F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	1
	ILLINOIS	CONTRACT NO. 62K69		

D–91–366–20

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE CITY OF CRYSTAL LAKE, VILLAGE OF PRAIRIE GROVE, NUNDA TOWNSHIP (UNINCORPORATED MCHENRY COUNTY), AND THE CITY OF MCHENRY.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAP ROUTE 336A: ILLINOIS ROUTE 31
ILLINOIS ROUTE 176 TO NORTH OF CHARLES J. MILLER ROAD
SECTION 2019–196–W&R
PROJECT NO. 0V6H(821)
ROADWAY RECONSTRUCTION
MCHENRY COUNTY
C–91–176–20

TRAFFIC DATA	ADT 2023 / 2050	SPEED DESIGN / POSTED
ILLINOIS ROUTE 31		
IL ROUTE 176 TO RAY ST	25,100 / 35,400	45 / 40
RAY ST TO DRAKE DRIVE	25,100 / 35,400	45 / 45
DRAKE DRIVE TO VETERANS PKWY	22,000 / 31,000	45 / 45
VETERANS PKWY TO ALBANY ST /PRIME PKWY	22,000 / 30,600	45 / 45
ALBANY ST/PRIME PKWY TO MILLER RD	22,000 / 32,400	45 / 45

DESIGN DESIGNATION

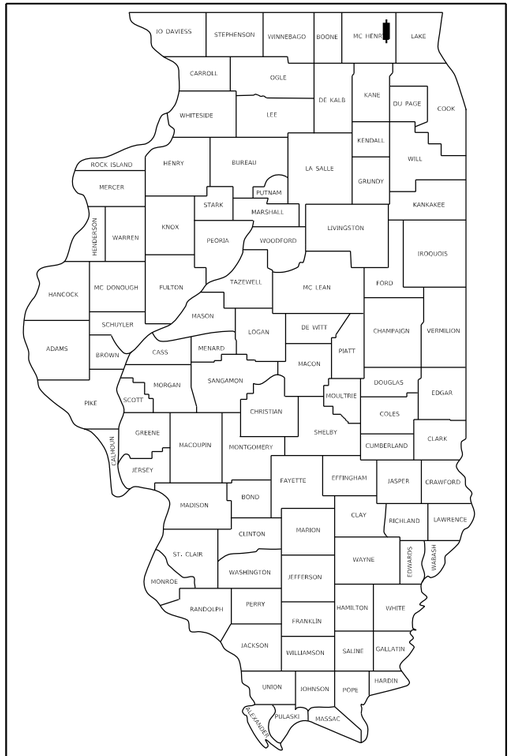
ILLINOIS ROUTE 31 – OTHER PRINCIPAL ARTERIAL

R 8 E

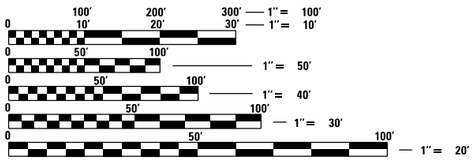
LOCATION MAP

GROSS LENGTH = 27,000 FT. = 5.21 MILE

NET LENGTH = 27,000 FT. = 5.21 MILE



LOCATION OF SECTION INDICATED THUS: –



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1–800–892–0123
OR 811

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED _____ 20 _____

_____
REGIONAL ENGINEER

_____ 20 _____

_____
ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____

_____
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT MANAGER – BRIAN KUTTAB
PROJECT ENGINEER – DARPIT SHAH (847) 705–4755

CONTRACT NO. 62K69

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

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		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

IDOT DISTRICT ONE STANDARDS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER > = 15' (4.5 m)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5 m)
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-24	CURB OR CURB GUTTER REMOVAL AND REPLACEMENT
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TS-03	HANDHOLE TO INTERCEPT EXISTING CONDUIT
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

IDOT STANDARDS

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424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSING
515001-04	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET - TYPE A
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 m) DIAMETER
602402-03	PRECAST MANHOLE, TYPE A, 5' (1.52 m) DIAMETER
602406-11	PRECAST MANHOLE, TYPE A, 6' (1.83 m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
604091-04	FRAME AND GRATE, TYPE 24
606006-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PC CONCRETE MEDIANS
664001-02	CHAIN LINK FENCE
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701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
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701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
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701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
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729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS AND MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL RELFECTOR MOUNTING DETAILS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	3
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJACENT PROPERTY'S AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.

2. PROPERTY OWNERS OF THE DRIVEWAYS SCHEDULED TO BE CLOSED SHALL BE PROVIDED A FORMAL NOTICE AT LEAST 7 DAYS PRIOR TO CLOSING THE DRIVEWAY.

3. REMOVAL OF EXISTING AGGREGATE SHOULDER AND AGGREGATE DRIVEWAYS ARE INCLUDED IN QUANTITIES FOR EARTH EXCAVATION.

4. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

5. THE CONTRACTOR SHALL CONTACT "JULIE" AT 1-800-892-0123 OR 811 TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO EXCAVATION.

6. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES, THE CITY OF CRYSTAL LAKE, THE VILLAGE OF PRAIRIE GROVE, AND THE CITY OF MCHENRY.

7. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL-INCLUSIVE.

8. THE CONTRACTOR, AT THEIR OWN EXPENSE, SHALL CONDUCT HIS/HER OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR, AND ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR REPLACED UNDER THE UTILITY OWNER'S DIRECTION AND AT NO ADDITIONAL COST TO THE DEPARTMENT.

9. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12"LOWER LIFT SHALL BE CS 1 OR RR 1".

10. TEN (10) FOOT LONG TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO THE EXISTING CURB AND GUTTER UNLESS OTHERWISE SHOWN ON THE PLANS. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

11. SAW CUTTING OF PAVEMENT, SHOULDERS, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN CLEAN, STRAIGHT EDGES ON THE PORTIONS REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

12. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF ANY WORK.

13. THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION ACTIVITIES AND ORDERING OF MATERIAL.

15. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

16. THE CONTRACTOR SHALL VERIFY THE INVERTS OF ALL EXISTING AND PROPOSED CULVERTS AND STORM SEWERS PRIOR TO STARTING CONSTRUCTION ACTIVITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

17. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

18. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

19. THE CONTRACTOR SHALL MAINTAIN BUS STOPS ENCOUNTERED WITHIN THE PROJECT AREA WITH AT LEAST A HARD SURFACE FOR WAITING AND A PAD FOR BOARDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH PACE AND OTHER BUS SERVICES AND MAINTENANCE OF THE BUS STOPS ALONG THE CONSTRUCTION ROUTE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT BE CONSIDERED AS INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES CONTRACT ONE

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	4
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0003 80% FED 20% STATE	RETAINING WALLS 0044 80% FED 20% STATE	CULVERT 056-0102 0010 80% FED 20% STATE	SANITARY SEWER AND WATERMAIN 100% CITY OF CRYSTAL LAKE	SANITARY SEWER AND WATERMAIN 100% CITY OF MCHENRY	EMERGENCY VEHICLE PREEMPTION HALF MILE TRAIL 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION EDGEWOOD ROAD 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION ALBANY ST / PRIME PKWY 0021 100% MCHENRY TWP F.P.D.	EMERGENCY VEHICLE PREEMPTION SHAMROCK LN 0021 100% MCHENRY TWP F.P.D.	TRAFFIC SIGNALS INTERCONNECT 0021 80% FED 20% STATE	TRAFFIC SIGNALS ILLINOIS ROUTE 176 0021 80% FED 20% STATE	TRAFFIC SIGNALS HALF MILE TRAIL 0021 80% FED 20% STATE	TRAFFIC SIGNALS EDGEWOOD ROAD 0021 80% FED 20% STATE	TRAFFIC SIGNALS ALBANY ST / PRIME PKWY 0021 80% FED 20% STATE	TRAFFIC SIGNALS SHAMROCK LANE 0021 80% FED 20% STATE	TRAFFIC SIGNALS BULL VALLEY ROAD 0022 80% FED 20% STATE	SIDEWALK 0021 80% FED 20% STATE	MULTI-USE PATH 0028 80% FED 20% STATE
	*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	2,066	2,066																	
	*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	718	718																	
		20100500	TREE REMOVAL, ACRES	ACRE	8.8	8.8																	
		20101400	NITROGEN FERTILIZER NUTRIENT	POUND	2,773	2,773																	
		20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2,773	2,773																	
		20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	2,773	2,773																	
		20200100	EARTH EXCAVATION	CU YD	153,450	153,450																	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	33,349	31,520	404	1,425															
		20400800	FURNISHED EXCAVATION	CU YD	16,390	16,390																	
		20700220	POROUS GRANULAR EMBANKMENT	CU YD	2,942		13	2,929															
		20800150	TRENCH BACKFILL	CU YD	12,458	12,458																	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	28,592	28,592																	
	*	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	43,435	43,435																	
		25000210	SEEDING, CLASS 2A	ACRE	30.8	30.8																	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 1 OF 27 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	5
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		25000310	SEEDING, CLASS 4	ACRE	1.4	1.4																	
	*	25000312	SEEDING, CLASS 4A	ACRE	0.2	0.2																	
		25000314	SEEDING, CLASS 4B	ACRE	0.4	0.4																	
		25000320	SEEDING, CLASS 5	ACRE	2.0	2.0																	
		25000324	SEEDING, CLASS 5B	ACRE	0.1	0.1																	
	*	25100115	MULCH, METHOD 2	ACRE	31.9	31.9																	
		25100630	EROSION CONTROL BLANKET	SQ YD	19,900	19,900																	
		25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	4,450	4,450																	
		28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	1,645	1,645																	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	5,697	5,697																	
		28000305	TEMPORARY DITCH CHECKS	FOOT	2,400	2,400																	
	*	28000400	PERIMETER EROSION BARRIER	FOOT	21,999	21,999																	
	*	28000500	INLET AND PIPE PROTECTION	EACH	44	44																	
	*	28000510	INLET FILTERS	EACH	625	625																	

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PATRICK a RJR company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 2 OF 27 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	6

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
						80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	120,948	120,948																	
		28100107	STONE RIPRAP, CLASS A4	SQ YD	654	230		424															
	*	28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	273	273																	
	*	28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	800	800																	
		28100709	STONE DUMPED RIPRAP, CLASS A5	SQ YD	1,392	1,392																	
		28100713	STONE DUMPED RIPRAP, CLASS A7	SQ YD	274	274																	
		28200200	FILTER FABRIC	SQ YD	2,292	1,868		424															
		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	20,815	20,815																	
		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	179,556	179,556																	
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	12,925	12,925																	
		31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	40,117																	14,942	25,175
		35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	724	724																	
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	91,660	91,660																	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,166	9,166																	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 3 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	7

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
						80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		40600370	LONGITUDINAL JOINT SEALANT	FOOT	16,422	16,422																	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	217	217																	
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3,525																		3,525
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	2,196																		2,196
		40701821	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"	SQ YD	4,394	4,394																	
		40701841	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"	SQ YD	5,222	5,222																	
		40701876	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"	SQ YD	5,774	5,774																	
		42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	164,167	164,167																	
		42001300	PROTECTIVE COAT	SQ YD	48,008	33,066																14,942	
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	454	454																	
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	134,478																	134,478	
		42400800	DETECTABLE WARNINGS	SQ FT	1,657	1,657																	
		44000100	PAVEMENT REMOVAL	SQ YD	119,854	119,854																	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	13,447	13,447																	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 4 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	8

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
						80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	17,441	17,441																	
		44000600	SIDEWALK REMOVAL	SQ FT	7,282	7,282																	
		44003100	MEDIAN REMOVAL	SQ FT	1,914	1,914																	
		44004250	PAVED SHOULDER REMOVAL	SQ YD	25,872	25,872																	
		48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1,295	1,295																	
		50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1			1															
		50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1																	
		50105220	PIPE CULVERT REMOVAL	FOOT	3,674	3,674																	
		50200100	STRUCTURE EXCAVATION	CU YD	23,274		2,096	21,178															
		50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1		1																
		50300255	CONCRETE SUPERSTRUCTURE	CU YD	41			41															
		50300300	PROTECTIVE COAT	SQ YD	1,015		869	146															
		50500505	STUD SHEAR CONNECTORS	EACH	2,318		2,042	276															
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	211,540		192,130	19,410															

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 5 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	9

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		50900105	ALUMINUM RAILING, TYPE L	FOOT	514		424	90															
		50901750	PARAPET RAILING	FOOT	1,586		1,495	91															
		51500100	NAME PLATES	EACH	10		9	1															
		52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	2,276			2,276															
		52200100	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	4,629		3,909	720															
		52200150	DRIVING SOLDIER PILES	FOOT	4,629		3,909	720															
		52200250	UNTREATED TIMBER LAGGING	SQ FT	1,649		484	1,165															
		52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	1,775		1,775																
		54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2																	
		54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2	2																	
		54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2	2																	
		54001004	BOX CULVERT END SECTIONS, CULVERT NO. 4	EACH	2	2																	
		54001005	BOX CULVERT END SECTIONS, CULVERT NO. 5	EACH	2	2																	
		54001006	BOX CULVERT END SECTIONS, CULVERT NO. 6	EACH	2	2																	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 6 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	10

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		54001007	BOX CULVERT END SECTIONS, CULVERT NO. 7	EACH	2	2																	
		54001008	BOX CULVERT END SECTIONS, CULVERT NO. 8	EACH	6	6																	
		54001009	BOX CULVERT END SECTIONS, CULVERT NO. 9	EACH	2	2																	
		54001010	BOX CULVERT END SECTIONS, CULVERT NO. 10	EACH	2	2																	
		54001011	BOX CULVERT END SECTIONS, CULVERT NO. 11	EACH	2	2																	
		54001012	BOX CULVERT END SECTIONS, CULVERT NO. 12	EACH	2	2																	
		54001013	BOX CULVERT END SECTIONS, CULVERT NO. 13	EACH	2	2																	
		54003000	CONCRETE BOX CULVERTS	CU YD	22			22															
		54010303	PRECAST CONCRETE BOX CULVERTS 3' X 3'	FOOT	258	258																	
		54010502	PRECAST CONCRETE BOX CULVERTS 5' X 2'	FOOT	125	125																	
		54010603	PRECAST CONCRETE BOX CULVERTS 6' X 3'	FOOT	273	273																	
		54010605	PRECAST CONCRETE BOX CULVERTS 6' X 5'	FOOT	128	128																	
		54010606	PRECAST CONCRETE BOX CULVERTS 6' X 6'	FOOT	273	273																	
		54010703	PRECAST CONCRETE BOX CULVERTS 7' X 3'	FOOT	258	258																	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 7 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	11

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	FOOT	114	114																	
		54010805	PRECAST CONCRETE BOX CULVERTS 8' X 5'	FOOT	156	156																	
		54010808	PRECAST CONCRETE BOX CULVERTS 8' X 8'	FOOT	188			188															
		54011004	PRECAST CONCRETE BOX CULVERTS 10' X 4'	FOOT	65	65																	
		54011202	PRECAST CONCRETE BOX CULVERTS 12' X 2'	FOOT	523	523																	
		54011208	PRECAST CONCRETE BOX CULVERTS 12' X 8'	FOOT	94			94															
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	43	43																	
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	12	12																	
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	29	29																	
		54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	15	15																	
		54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4	4																	
		54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	5	5																	
		54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	3	3																	
		54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	3	3																	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 8 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	12
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2	2																	
		54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	2	2																	
		54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	2	2																	
		54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	2	2																	
		54244805	INLET BOX, STANDARD 542501	EACH	2	2																	
		5422A024	PIPE CULVERTS, CLASS A, TYPE 2 24" (TEMPORARY)	FOOT	12	12																	
		542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	55	55																	
		542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	208	208																	
		542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	509	509																	
		542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	62	62																	
		542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	142	142																	
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	12,313	12,313																	
		550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	1,510	1,510																	
		550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	3,880	3,880																	

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 9 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	13

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	1,436	1,436																	
		550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	297	297																	
		550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	284	284																	
		550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	233	233																	
		550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	281	281																	
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	4,333	4,333																	
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	385	385																	
		550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	5,815	5,815																	
		550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,782	1,782																	
		550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	492	492																	
		550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	671	671																	
		550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	125	125																	
		550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	186	186																	
		550A0660	STORM SEWERS, CLASS A, TYPE 3 15"	FOOT	106	106																	

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PATRICK a RJR company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 10 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	14

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0003 80% FED 20% STATE	RETAINING WALLS 0044 80% FED 20% STATE	CULVERT 056-0102 0010 80% FED 20% STATE	SANITARY SEWER AND WATERMAIN 100% CITY OF CRYSTAL LAKE	SANITARY SEWER AND WATERMAIN 100% CITY OF MCHENRY	EMERGENCY VEHICLE PREEMPTION HALF MILE TRAIL 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION EDGEWOOD ROAD 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION ALBANY ST / PRIME PKWY 0021 100% MCHENRY TWP F.P.D.	EMERGENCY VEHICLE PREEMPTION SHAMROCK LN 0021 100% MCHENRY TWP F.P.D.	TRAFFIC SIGNALS INTERCONNECT 0021 80% FED 20% STATE	TRAFFIC SIGNALS ILLINOIS ROUTE 176 0021 80% FED 20% STATE	TRAFFIC SIGNALS HALF MILE TRAIL 0021 80% FED 20% STATE	TRAFFIC SIGNALS EDGEWOOD ROAD 0021 80% FED 20% STATE	TRAFFIC SIGNALS ALBANY ST / PRIME PKWY 0021 80% FED 20% STATE	TRAFFIC SIGNALS SHAMROCK LANE 0021 80% FED 20% STATE	TRAFFIC SIGNALS BULL VALLEY ROAD 0022 80% FED 20% STATE	SIDEWALK 0021 80% FED 20% STATE	MULTI-USE PATH 0028 80% FED 20% STATE
		550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	39	39																	
		550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	365	365																	
		550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	690	690																	
		550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	577	577																	
		550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	271	271																	
		550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	1,572	1,572																	
		550A4900	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 24"	FOOT	89	89																	
		550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	309	309																	
		550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	FOOT	1,070	1,070																	
		550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	33	33																	
		55100500	STORM SEWER REMOVAL 12"	FOOT	2,527	2,527																	
		55100700	STORM SEWER REMOVAL 15"	FOOT	3,005	3,005																	
		55100800	STORM SEWER REMOVAL 16"	FOOT	146	146																	
		55100900	STORM SEWER REMOVAL 18"	FOOT	2,084	2,084																	

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PATRICK a WSP company

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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 11 OF 27 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	15
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0003 80% FED 20% STATE	RETAINING WALLS 0044 80% FED 20% STATE	CULVERT 056-0102 0010 80% FED 20% STATE	SANITARY SEWER AND WATERMAIN 100% CITY OF CRYSTAL LAKE	SANITARY SEWER AND WATERMAIN 100% CITY OF MCHENRY	EMERGENCY VEHICLE PREEMPTION HALF MILE TRAIL 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION EDGEWOOD ROAD 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION ALBANY ST / PRIME PKWY 0021 100% MCHENRY TWP F.P.D.	EMERGENCY VEHICLE PREEMPTION SHAMROCK LN 0021 100% MCHENRY TWP F.P.D.	TRAFFIC SIGNALS INTERCONNECT 0021 80% FED 20% STATE	TRAFFIC SIGNALS ILLINOIS ROUTE 176 0021 80% FED 20% STATE	TRAFFIC SIGNALS HALF MILE TRAIL 0021 80% FED 20% STATE	TRAFFIC SIGNALS EDGEWOOD ROAD 0021 80% FED 20% STATE	TRAFFIC SIGNALS ALBANY ST / PRIME PKWY 0021 80% FED 20% STATE	TRAFFIC SIGNALS SHAMROCK LANE 0021 80% FED 20% STATE	TRAFFIC SIGNALS BULL VALLEY ROAD 0022 80% FED 20% STATE	SIDEWALK 0021 80% FED 20% STATE	MULTI-USE PATH 0028 80% FED 20% STATE
		55101100	STORM SEWER REMOVAL 21"	FOOT	548	548																	
		55101200	STORM SEWER REMOVAL 24"	FOOT	354	354																	
		55101300	STORM SEWER REMOVAL 27"	FOOT	51	51																	
		55101400	STORM SEWER REMOVAL 30"	FOOT	45	45																	
		55101600	STORM SEWER REMOVAL 36"	FOOT	308	308																	
		56100500	WATER MAIN 4"	FOOT	6					6													
		56100600	WATER MAIN 6"	FOOT	109				85	24													
		56100700	WATER MAIN 8"	FOOT	200					200													
		56100800	WATER MAIN 10"	FOOT	37					37													
		56100900	WATER MAIN 12"	FOOT	5,222				890	4,332													
		56105200	WATER VALVES 12"	EACH	4				1	3													
		56400500	FIRE HYDRANTS TO BE REMOVED	EACH	6				6														
		56400825	FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE	EACH	6				6														
		58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	831		831																

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PATRICK a RJR company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 12 OF 27 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	16
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0003 80% FED 20% STATE	RETAINING WALLS 0044 80% FED 20% STATE	CULVERT 056-0102 0010 80% FED 20% STATE	SANITARY SEWER AND WATERMAIN 100% CITY OF CRYSTAL LAKE	SANITARY SEWER AND WATERMAIN 100% CITY OF MCHENRY	EMERGENCY VEHICLE PREEMPTION HALF MILE TRAIL 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION EDGEWOOD ROAD 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION ALBANY ST / PRIME PKWY 0021 100% MCHENRY TWP F.P.D.	EMERGENCY VEHICLE PREEMPTION SHAMROCK LN 0021 100% MCHENRY TWP F.P.D.	TRAFFIC SIGNALS INTERCONNECT 0021 80% FED 20% STATE	TRAFFIC SIGNALS ILLINOIS ROUTE 176 0021 80% FED 20% STATE	TRAFFIC SIGNALS HALF MILE TRAIL 0021 80% FED 20% STATE	TRAFFIC SIGNALS EDGEWOOD ROAD 0021 80% FED 20% STATE	TRAFFIC SIGNALS ALBANY ST / PRIME PKWY 0021 80% FED 20% STATE	TRAFFIC SIGNALS SHAMROCK LANE 0021 80% FED 20% STATE	TRAFFIC SIGNALS BULL VALLEY ROAD 0022 80% FED 20% STATE	SIDEWALK 0021 80% FED 20% STATE	MULTI-USE PATH 0028 80% FED 20% STATE
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	1,362		1,265	97															
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4		4																
		60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	26	26																	
		60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	3,729	3,729																	
		60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	835		722	113															
		60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	39	39																	
		60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	12	12																	
		60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	196	196																	
		60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1																	
		60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	16	16																	
		60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	47	47																	
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	51	51																	
		60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	17	17																	
		60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	11	11																	

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PATRICK a WSP company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 13 OF 27 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	17
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	54	54																	
		60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	7	7																	
		60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	7	7																	
		60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1																	
		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	38	38																	
		60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	3	3																	
		60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	5	5																	
		60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	15	15																	
		60224449	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1																	
		60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1																	
		60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	9	9																	
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	25	25																	
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	161	161																	
		60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6				3	3													

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 14 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	18

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		60251200	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	4	4																	
		60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	4	4																	
		60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4				4														
		60500040	REMOVING MANHOLES	EACH	30	30																	
		60500050	REMOVING CATCH BASINS	EACH	21	21																	
		60500060	REMOVING INLETS	EACH	51	51																	
		60600605	CONCRETE CURB, TYPE B	FOOT	1,769	1,769																	
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4,609	4,609																	
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	93,907	93,907																	
		60620000	CONCRETE MEDIAN, TYPE SB-6.24	SQ FT	4,881	4,881																	
		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	200	200																	
		63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4																	
		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4																	
		63200310	GUARDRAIL REMOVAL	FOOT	4,237	4,237																	

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PATRICK a RJR company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 15 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	19

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		66400510	CHAIN LINK FENCE, 10'	FOOT	35				35														
**	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	TBD																		
**	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	TBD																		
**	*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	TBD																		
**	*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	TBD																		
**	*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	TBD																		
		67100100	MOBILIZATION	L SUM	1	1																	
		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	913	913																	
	*	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	1,025	913											56	56					
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	116,014	116,014																	
		70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	454,797	454,797																	
		70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	25,648	25,648																	
		70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	12,718	12,718																	
		70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	1,078	1,078																	

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PATRICK a RJR company

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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 16 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	20

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,200	2,200																	
		70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	1,056	1,056																	
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,251	2,251																	
		70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE,NARROW), TEST LEVEL 3	EACH	10	10																	
		70600320	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	10	10																	
		72000100	SIGN PANEL - TYPE 1	SQ FT	909	800											45	25	14	25			
		72000200	SIGN PANEL - TYPE 2	SQ FT	98	60													38				
		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	81	81																	
		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	80	80																	
		72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3																	
		72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	75	75																	
		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	2,620	2,620																	
		72900100	METAL POST - TYPE A	FOOT	87	87																	
		72900200	METAL POST - TYPE B	FOOT	82	82																	

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PATRICK a RJR company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 17 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	21

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		78003137	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 7"	FOOT	11,819	11,819																	
		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	3,710	3,710																	
		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	55,322	55,322																	
		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	27,048	27,048																	
		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	7,297	7,297																	
		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	946	946																	
		78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	11,819	11,819																	
	*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,194	1,194																	
		78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	916	916																	
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	796	796																	
		78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	3,472	3,472																	
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	36,130	36,130																	
		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	7,136										4,212	112	616	685	765	746			
		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	800												271	182	145	202			

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PATRICK a RJR company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 18 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	22

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
						80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,189												277	240	523	149			
**		81400100	HANDHOLE	EACH	23										7		4	4	4	4			
		81400200	HEAVY-DUTY HANDHOLE	EACH	8												2	2	2	2			
		81400300	DOUBLE HANDHOLE	EACH	6												1	2	2	1			
		85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2											1					1		
		86000100	MASTER CONTROLLER	EACH	1										1								
		86400100	TRANSCEIVER - FIBER OPTIC	EACH	2										2								
		87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5,122										5,122								
		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	6,215											2,552	675	540	2,241	207			
		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6,822											931	1,261	963	2,775	892			
		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4,578												1,949	605	752	1,272			
		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	7,269												691	1,164	4,342	1,072			
		87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,753												1,072	454	577	650			
		87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	350												95	70	117	68			

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PATRICK a MJR company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 19 OF 27 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	23
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
						80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,779											118	544	461	255	401			
		87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	10												3	3	2	2			
		87700120	STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	1														1				
		87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1															1			
		87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2												1	1					
		87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1														1				
		87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1												1						
		87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1													1					
		87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	4												1		1	2			
		87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1															1			
		87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1													1					
		87700400	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1														1				
		87702740	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT. AND 20 FT.	EACH	1														1				
		87800100	CONCRETE FOUNDATION, TYPE A	FOOT	56												16	16	12	12			

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PATRICK a RJR company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 20 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	24
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
						80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		87800150	CONCRETE FOUNDATION, TYPE C	FOOT	16												4	4	4	4			
		87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10														10				
		87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	169												37	39	41	52			
		87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21														21				
		87900200	DRILL EXISTING HANDHOLE	EACH	3										1	2							
		88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	18												6	4	4	4			
		88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8												4	2		2			
		88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	12												2	4	4	2			
		88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	24												2	4	12	6			
		88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	24											4	4	4	8	4			
		88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	42												8	8	16	10			
		88500100	INDUCTIVE LOOP DETECTOR	EACH	27												9	6	6	6			
		88600100	DETECTOR LOOP, TYPE I	FOOT	3,649												368	1,326	1,338	617			
		88700200	LIGHT DETECTOR	EACH	12						3	3	3	3									

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 21 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	25

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		88700300	LIGHT DETECTOR AMPLIFIER	EACH	4						1	1	1	1									
		89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2														1	1			
		89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	4											4							
**		89501510	RELOCATE EXISTING FLASHING BEACON	EACH	6	6																	
		89502200	MODIFY EXISTING CONTROLLER	EACH	1											1							
		89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1											1							
		89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2														1	1			
		89502380	REMOVE EXISTING HANDHOLE	EACH	14														8	6			
		89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2														1	1			
		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	15														8	7			
		A2000086	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	129	129																	
		A2000320	TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	123	123																	
		A2002820	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	143	143																	
		A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	161	161																	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 22 OF 27 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	26

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0003 80% FED 20% STATE	RETAINING WALLS 0044 80% FED 20% STATE	CULVERT 056-0102 0010 80% FED 20% STATE	SANITARY SEWER AND WATERMAIN 100% CITY OF CRYSTAL LAKE	SANITARY SEWER AND WATERMAIN 100% CITY OF MCHENRY	EMERGENCY VEHICLE PREEMPTION HALF MILE TRAIL 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION EDGEWOOD ROAD 0021 100% CITY OF CRYSTAL LAKE	EMERGENCY VEHICLE PREEMPTION ALBANY ST / PRIME PKWY 0021 100% MCHENRY TWP F.P.D.	EMERGENCY VEHICLE PREEMPTION SHAMROCK LN 0021 100% MCHENRY TWP F.P.D.	TRAFFIC SIGNALS INTERCONNECT 0021 80% FED 20% STATE	TRAFFIC SIGNALS ILLINOIS ROUTE 176 0021 80% FED 20% STATE	TRAFFIC SIGNALS HALF MILE TRAIL 0021 80% FED 20% STATE	TRAFFIC SIGNALS EDGEWOOD ROAD 0021 80% FED 20% STATE	TRAFFIC SIGNALS ALBANY ST / PRIME PKWY 0021 80% FED 20% STATE	TRAFFIC SIGNALS SHAMROCK LANE 0021 80% FED 20% STATE	TRAFFIC SIGNALS BULL VALLEY ROAD 0022 80% FED 20% STATE	SIDEWALK 0021 80% FED 20% STATE	MULTI-USE PATH 0028 80% FED 20% STATE
		A2004614	TREE, GLEDITSIA TRIACANTHOS INERMIS PRINCETON (PRINCETON THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	137	137																	
		A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	120	120																	
		A2005520	TREE, NYSSA SYLVATICA (BLACK TUPELO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	177	177																	
		A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	105	105																	
		A2006618	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	130	130																	
		A2006720	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	210	210																	
		A2007016	TREE, QUERCUS ROBUR FASTIGIATA (FASTIGIATE ENGLISH OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	100	100																	
		A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	146	146																	
		A3005012	TREE, GYMNOCLADUS DIOICUS 'MORTON' SKINY LATTE KENTUCKY COFFEE TREE, 2-1/2" CAL, BALLED AND BURLAPPED	EACH	144	144																	
		B2002816	TREE, MALUS BACCATA COLUMNARIS (SIBERIAN CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	142	142																	
		K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	20	20																	
**		X0323577	SANITARY SEWER TELEVISION INSPECTION, VIDEOTAPING AND RECORDING	FOOT	1				1														
		X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2,448						582	414	773	679									
**		X0324769	SANITARY SEWER LIFT STATION	L SUM	1				1														

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 23 OF 27 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	27
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

											EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS								
					ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN			HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD	SIDEWALK 0021	MULTI-USE PATH 0028
					0003	0044	0010				0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	2,440		2,440																
		X0325922	CELLULAR MODEM	EACH	1										1								
		X0327301	RELOCATE EXISTING MAILBOX	EACH	21	21																	
**		X1200015	VALVE VAULTS TO BE ABANDONED	EACH	3				3														
		X1200042	MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PL	EACH	2	2																	
		X1200050	BOX CULVERT REMOVAL	FOOT	908	908																	
		X1200160	CONNECTION TO EXISTING DRAINAGE STRUCTURE	EACH	2	2																	
**		X1200236	STEEL CASING PIPE, OPEN CUT TRENCH, 24"	FOOT	40				40														
		X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	4												1	1	1	1			
		X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1												1						
		X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1														1				
		X1900011	NATIVE SODDING, SPECIAL	SQ YD	1,527	1,527																	
		X2010516	SELECTIVE CLEARING	UNIT	42	42																	
		X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	28.7	28.7																	

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PATRICK a RJR company

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PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 24 OF 27 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	28
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	2.0	2.0																	
		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	12	12																	
		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	58	58																	
		X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	12	12																	
		X5020102	CONTROLLED STIFFNESS COLUMN GROUND IMPROVEMENT	L SUM	1		1																
		X5427602	REMOVE EXISTING FLARED END SECTION	EACH	83	83																	
		X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	322	322																	
		X5510011	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	6	6																	
**		X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	5,539				1,100	4,439													
**		X5631012	CUT AND CAP EXISTING 12" FORCE MAIN	EACH	10				8	2													
**		X5632000	ABANDON EXISTING FORCE MAIN, FILL WITH CLSM	FOOT	600				600														
		X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	420			420															
		X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLA	EACH	5	5																	
		X6020293	MANHOLES, TYPE A, 8'-DIAMETER, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PL	EACH	2	2																	

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PATRICK a RSR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 25 OF 27 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	29
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

					ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS								SIDEWALK 0021	MULTI-USE PATH 0028
										HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
					0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
		X6025604	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	28	28																	
		X6640104	FENCE REMOVAL	FOOT	1,602	1,602																	
**		X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	30	30																	
**		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1																	
		X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	4												1	1	1	1			
		X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	4												1	1	1	1			
		X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	5,122										5,122								
		X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	28											8	4	4	8	4			
		X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16											8	4		4				
		X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	5												1	1	2	1			
		Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	1,343	1,343																	
		Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	11,347	11,347																	
**		Z0013796	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE	SQ YD	2,000	2,000																	
**	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1																	

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PATRICK a MJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
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PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 26 OF 27 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	29A
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

						ROADWAY	RETAINING WALLS	CULVERT 056-0102	SANITARY SEWER AND WATERMAIN		EMERGENCY VEHICLE PREEMPTION				TRAFFIC SIGNALS							SIDEWALK 0021	MULTI-USE PATH 0028
											HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LN	INTERCONNECT	ILLINOIS ROUTE 176	HALF MILE TRAIL	EDGEWOOD ROAD	ALBANY ST / PRIME PKWY	SHAMROCK LANE	BULL VALLEY ROAD		
						0003	0044	0010			0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0021	0028
SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF CRYSTAL LAKE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
**	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1,500	1,500																	
		Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1											1							
**		Z0058000	SANITARY SEWER (SPECIAL)	FOOT	713				713														
		Z0062456	TEMPORARY PAVEMENT	SQ YD	25,682	25,682																	
**	*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2														1	1			
**		Z0076600	TRAINEES	HOUR	4,000	4,000																	
**		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	4,000	4,000																	
			CROSS VANE WEIR	EACH	22	22																	

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PATRICK a RJR company

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PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

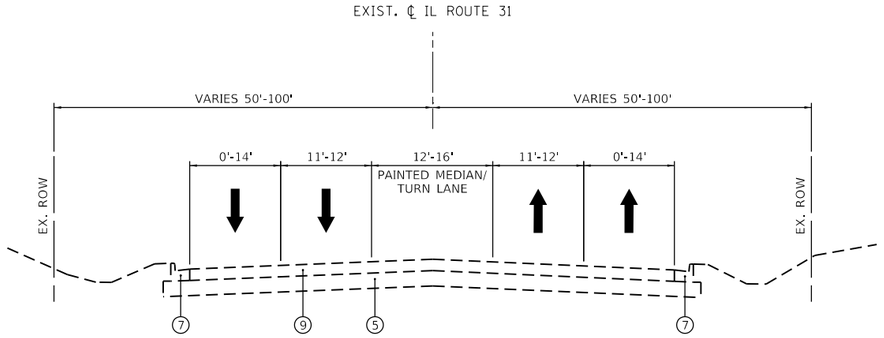
SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 27 OF 27 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	29B

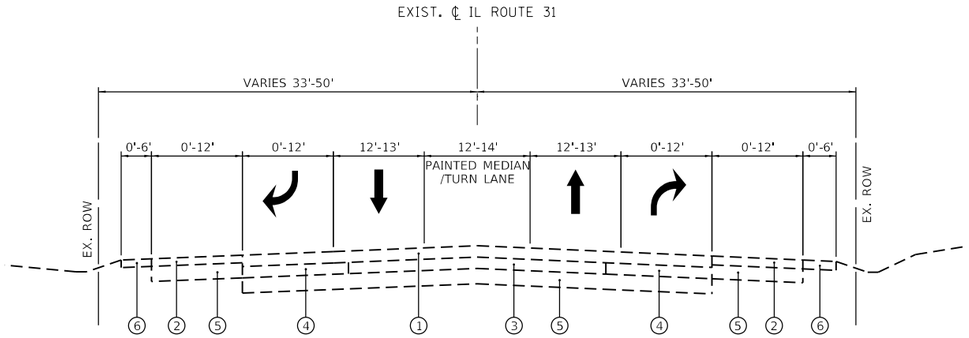
CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



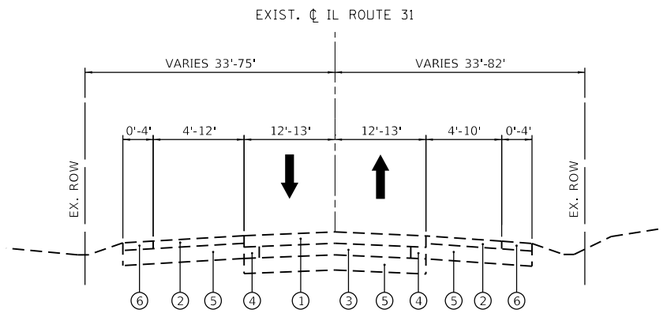
ILLINOIS ROUTE 31
EXISTING TYPICAL SECTION

STA. 127+15 TO 140+90
STA. 371+69 TO 385+44



ILLINOIS ROUTE 31
EXISTING TYPICAL SECTION

STA. 140+90 TO 160+50
STA. 186+00 TO 210+23
STA. 232+06 TO 259+00
STA. 317+33 TO 371+69



ILLINOIS ROUTE 31
EXISTING TYPICAL SECTION

STA. 160+50 TO 186+00
STA. 210+23 TO 232+06
STA. 259+00 TO 317+33

EXISTING TYPICAL SECTION LEGEND

1. HMA PAVEMENT
2. HMA SHOULDER
3. PCC BASE COURSE
4. HMA BASE COURSE
5. AGGREGATE SUBGRADE
6. AGGREGATE SHOULDER
7. COMBINATION CONCRETE C&G TYPE B-6.24
8. COMBINATION CONCRETE C&G TYPE B-6.12
9. PCC PAVEMENT
10. PCC SIDEWALK

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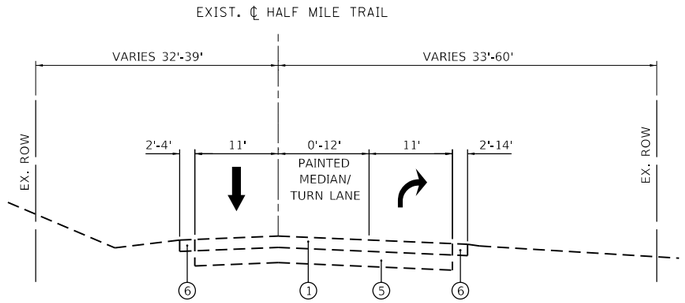
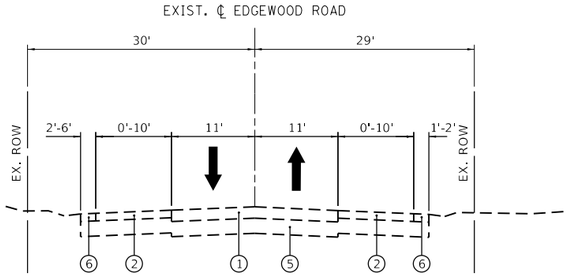
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS
		DRAWN - EJB	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	30
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



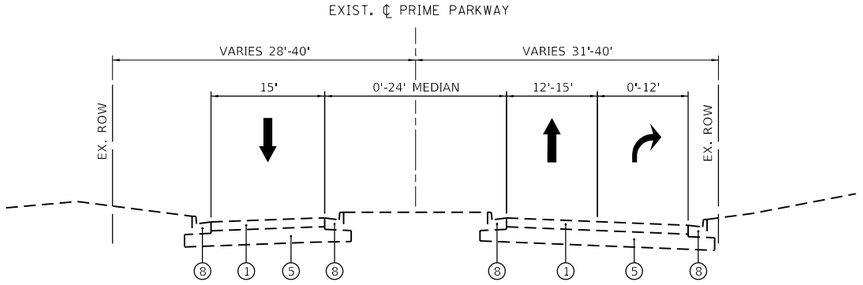
HALF MILE TRAIL
EXISTING TYPICAL SECTION

STA. 38+08 TO 49+49



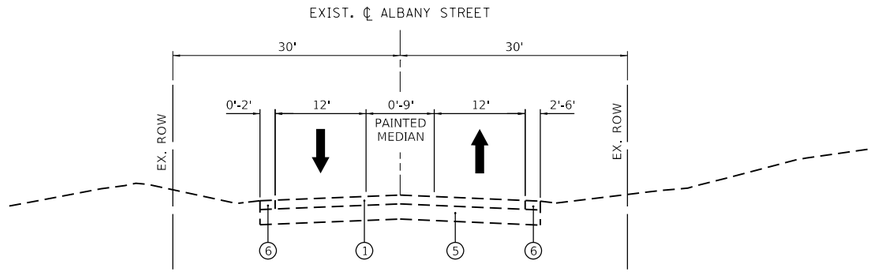
EDGEWOOD ROAD
EXISTING TYPICAL SECTION

STA. 03+90 TO 09+31



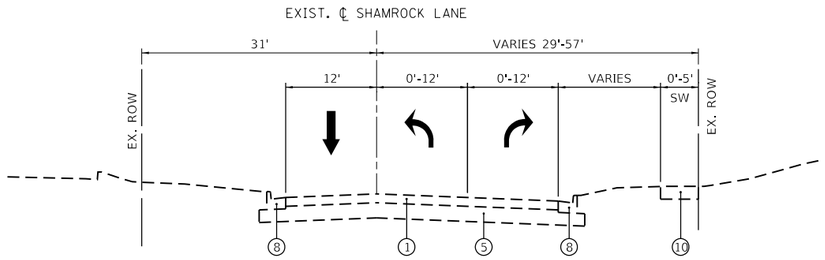
PRIME PARKWAY
EXISTING TYPICAL SECTION

STA. 10+83 TO 18+88



ALBANY STREET
EXISTING TYPICAL SECTION

STA. 11+27 TO 15+00



SHAMROCK LANE
EXISTING TYPICAL SECTION

STA. 10+25 TO 13+29

EXISTING TYPICAL SECTION LEGEND

1. HMA PAVEMENT
2. HMA SHOULDER
3. PCC BASE COURSE
4. HMA BASE COURSE
5. AGGREGATE SUBGRADE
6. AGGREGATE SHOULDER
7. COMBINATION CONCRETE C&G TYPE B-6.24
8. COMBINATION CONCRETE C&G TYPE B-6.12
9. PCC PAVEMENT
10. PCC SIDEWALK

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PATRICK a Jacobs company

USER NAME = bwitort	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

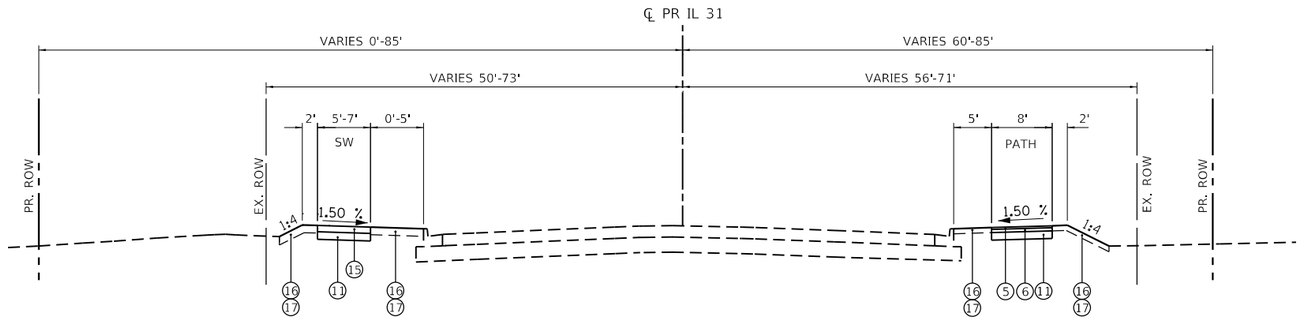
EXISTING TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	31
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PROPOSED TYPICAL SECTION LEGEND

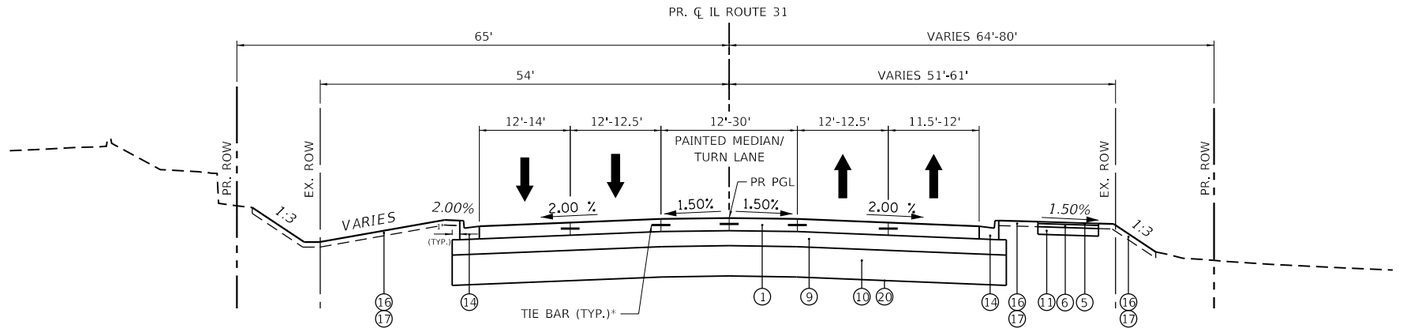
1. PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
2. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"
3. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
4. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
5. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
6. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ YD)
10. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
11. SUBBASE GRANULAR MATERIAL, TYPE B 6"
12. NOT USED
13. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
15. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
16. SEEDING, CLASS 2A
17. TOPSOIL FURNISH AND PLACE, 4"
18. TOPSOIL FURNISH AND PLACE, 24"
19. CONCRETE MEDIAN, TYPE SB-6.24
20. GEOTECHNICAL FABRIC



ILLINOIS ROUTE 31
PROPOSED TYPICAL SECTION

STA. 123+21.89 TO 138+38.22

* INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)



ILLINOIS ROUTE 31
PROPOSED TYPICAL SECTION

STA. 138+38.22 TO 145+00.00

* INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)

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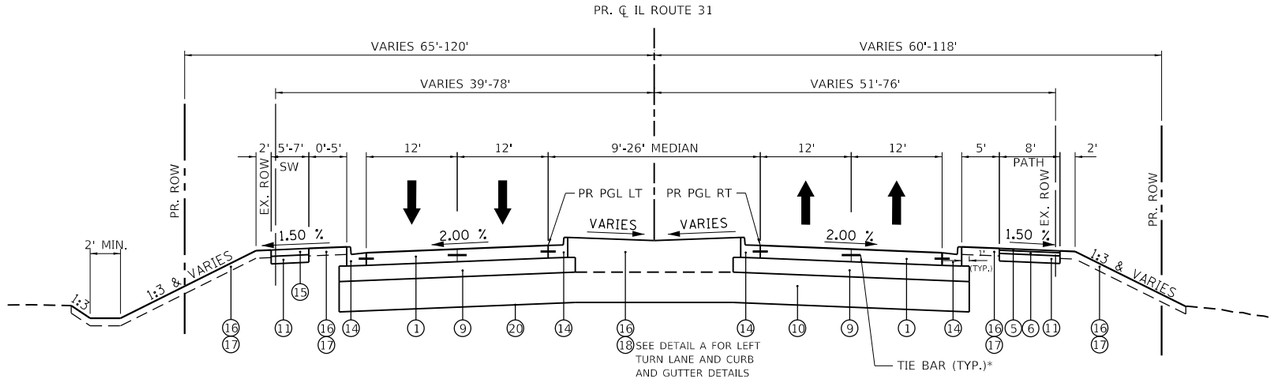
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - EJB	REVISED -
		DRAWN - EJB	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 1 OF 4 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	32
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



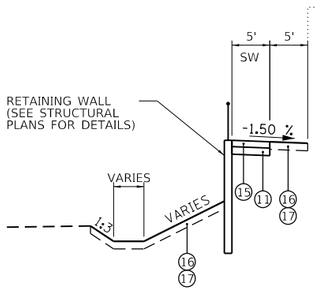
PROPOSED TYPICAL SECTION LEGEND

1. PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
2. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"
3. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
4. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
5. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
6. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ YD)
10. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
11. SUBBASE GRANULAR MATERIAL, TYPE B 6"
12. NOT USED
13. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
15. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
16. SEEDING, CLASS 2A
17. TOPSOIL FURNISH AND PLACE, 4"
18. TOPSOIL FURNISH AND PLACE, 24"
19. CONCRETE MEDIAN, TYPE SB-6.24
20. GEOTECHNICAL FABRIC

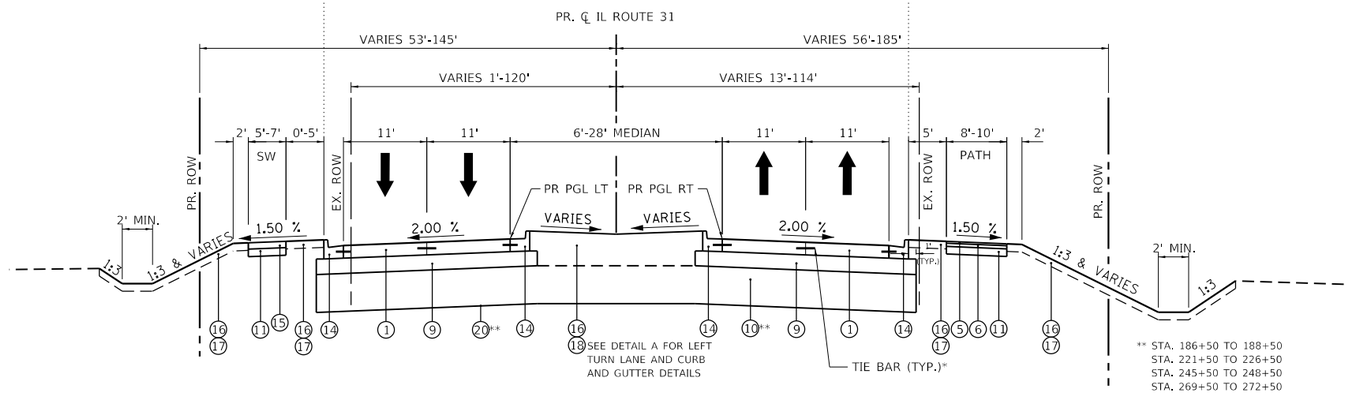
ILLINOIS ROUTE 31
PROPOSED TYPICAL SECTION

STA. 127+16.00 TO 153+00.00

* INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)



STA. 177+30.00 TO 179+75.00
STA. 191+81.50 TO 193+60.50
STA. 211+77.50 TO 212+68.66



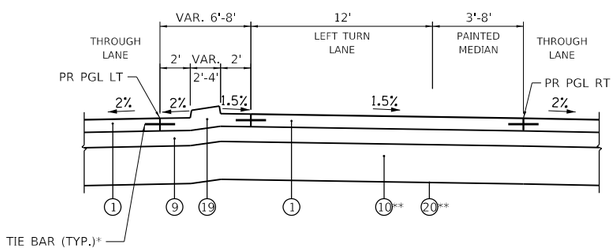
** STA. 186+50 TO 188+50
STA. 221+50 TO 226+50
STA. 245+50 TO 248+50
STA. 269+50 TO 272+50
STA. 275+50 TO 278+50
STA. 315+00 TO 320+50
STA. 348+50 TO 352+50
STA. 356+50 TO 359+50
STA. 374+50 TO 377+50
STA. 383+50 TO 385+45

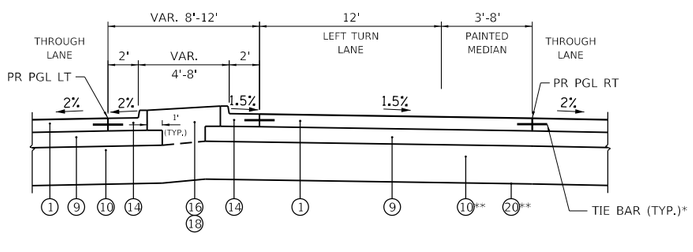
STA. 173+17.00 TO 179+88.00
STA. 180+25.42 TO 182+77.09
STA. 199+52.65 TO 200+52.56
STA. 207+90.00 TO 209+80.00
STA. 211+89.82 TO 212+85.99
STA. 214+83.00 TO 216_93.00
STA. 339+55.00 TO 341+47.00

ILLINOIS ROUTE 31
PROPOSED TYPICAL SECTION

STA. 153+00.00 TO 295+00.00
STA. 315+00.00 TO 385+45.00

* INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)





DETAIL A
(SEE ROADWAY PLAN AND PROFILES FOR LOCATIONS)

* INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)

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PATRICK a RJR company

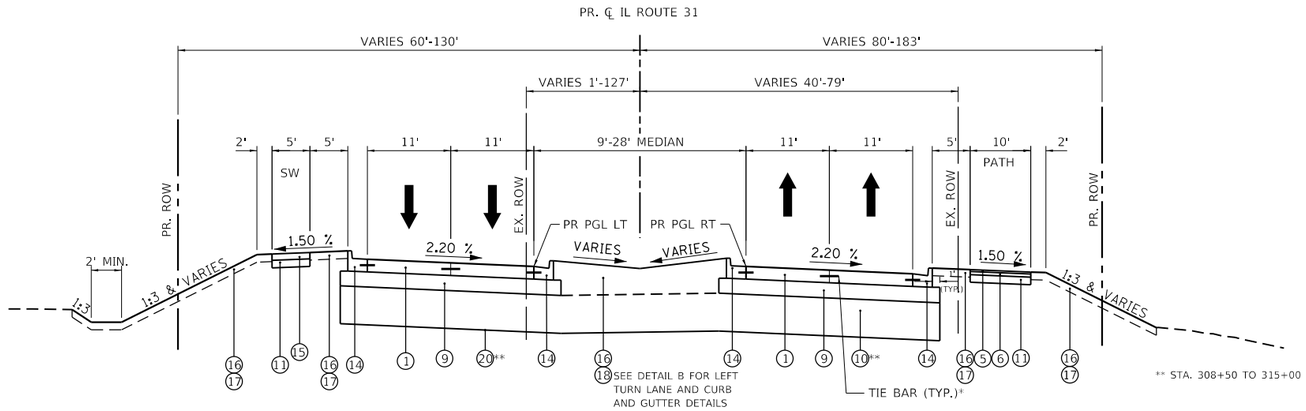
USER NAME = bwitort		DESIGNED - EJB	REVISED -	
		DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.		CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024		DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	33
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



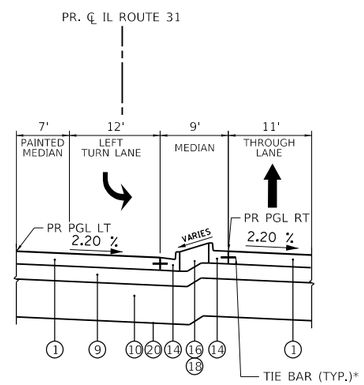
ILLINOIS ROUTE 31
PROPOSED TYPICAL SECTION

STA. 295+00.00 TO 315+00.00

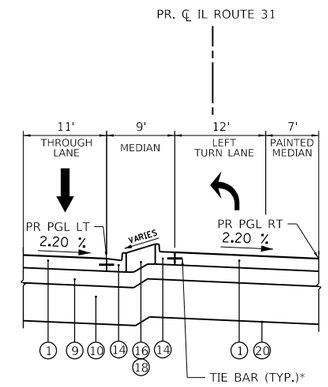
* INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)

PROPOSED TYPICAL SECTION LEGEND

1. PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
2. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"
3. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
4. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
5. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
6. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ YD)
10. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
11. SUBBASE GRANULAR MATERIAL, TYPE B 6"
12. NOT USED
13. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
15. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
16. SEEDING, CLASS 2A
17. TOPSOIL FURNISH AND PLACE, 4"
18. TOPSOIL FURNISH AND PLACE, 24"
19. CONCRETE MEDIAN, TYPE SB-6.24
20. GEOTECHNICAL FABRIC



PROPOSED MEDIAN SECTION AT TURN LANE



PROPOSED MEDIAN SECTION AT TURN LANE

DETAIL B
(SEE ROADWAY PLAN AND PROFILES FOR LOCATIONS)

* INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)

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PATRICK a RJR company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS
		DRAWN - EJB	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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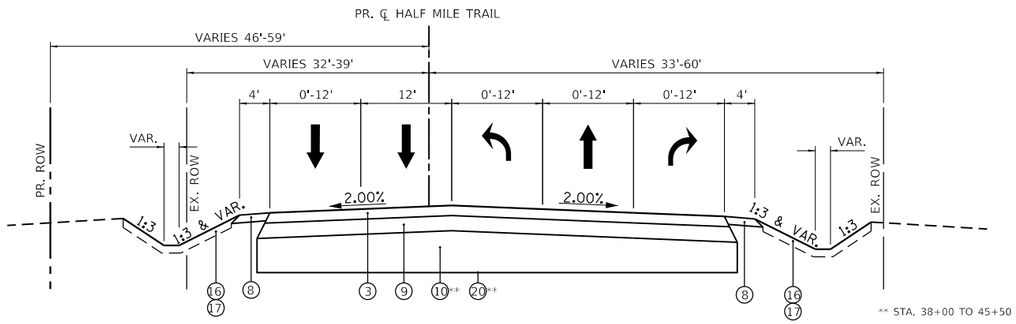
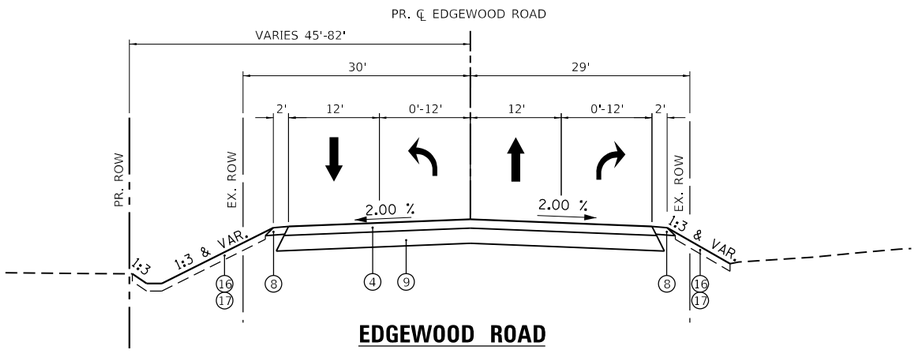
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



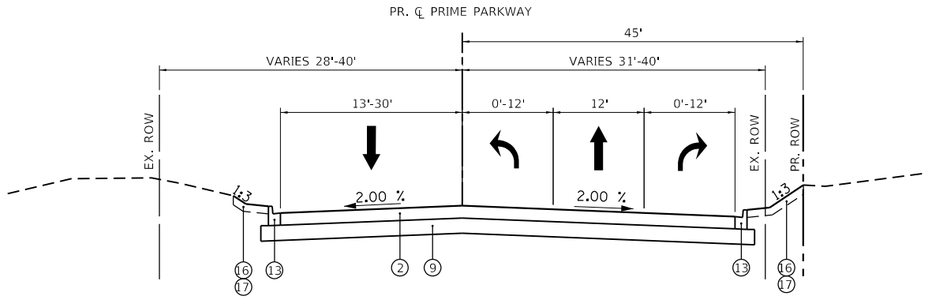
HALF MILE TRAIL
PROPOSED TYPICAL SECTION

STA. 38+08.00 TO 48+94.12



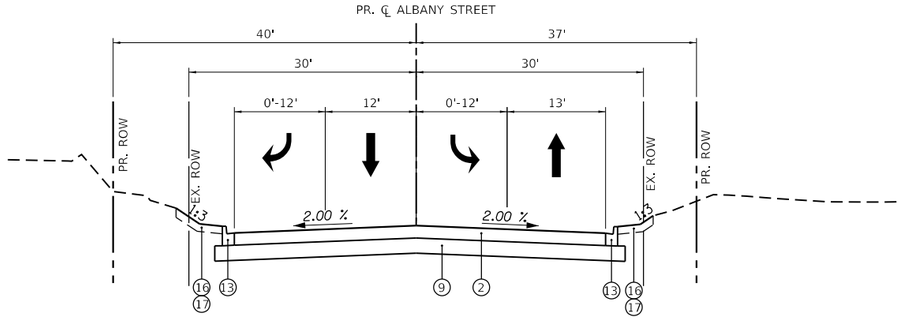
EDGEWOOD ROAD
PROPOSED TYPICAL SECTION

STA. 03+95.68 TO 08+91.98



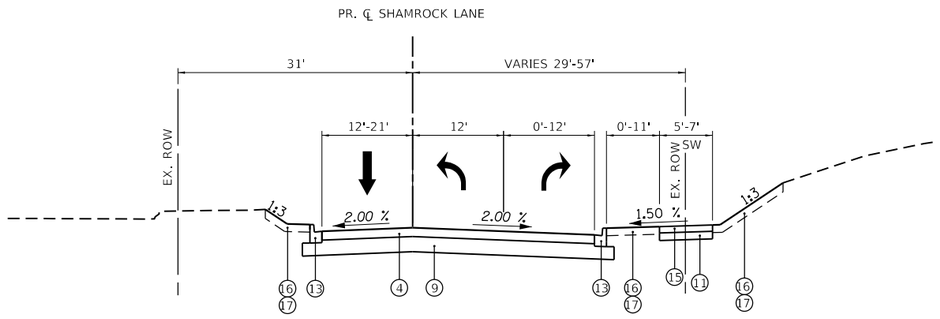
PRIME PARKWAY
PROPOSED TYPICAL SECTION

STA. 10+80.00 TO 18+51.30



ALBANY STREET
PROPOSED TYPICAL SECTION

STA. 10+89.80 TO 15+00.00



SHAMROCK LANE
PROPOSED TYPICAL SECTION

STA. 10+25.00 TO 12+67.20

PROPOSED TYPICAL SECTION LEGEND

1. PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
2. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"
3. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
4. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
5. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
6. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ YD)
10. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
11. SUBBASE GRANULAR MATERIAL, TYPE B 6"
12. NOT USED
13. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
15. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
16. SEEDING, CLASS 2A
17. TOPSOIL FURNISH AND PLACE, 4"
18. TOPSOIL FURNISH AND PLACE, 24"
19. CONCRETE MEDIAN, TYPE SB-6.24
20. GEOTECHNICAL FABRIC

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		DRAWN - EJB	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 4 OF 4 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	35
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

HOT–MIX ASPHALT MIXTURE REQUIREMENTS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"	4% @ 50 GYR.	QCP
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 5"	4% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 9 3/4"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 7 3/4"	4% @ 70 GYR.	QCP
MULTI-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"	4% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE,IL-19.0, N50, 2 1/2"	4% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10" (COMMERCIAL ENTRANCE)		
HOT-MIX ASPHALT SURFACE COURSE, IL- 9.5, MIX "D", N50, 2"	4% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"	4% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" (PRIVATE ENTRANCE)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE,IL-19.0, N50, 6"	4% @ 50 GYR.	QC/QA
FIELD ENTRANCE		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR.	QC/QA
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 2"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE,IL-19.0 mm, N70, 8"	4% @ 70 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. PC CONCRETE TEMPORARY PAVEMENT SHALL CONIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, PCC PAVEMENT 10". TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF PATRICK ENGINEERING AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF PATRICK ENGINEERING.

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EARTHWORK VOLUME (CU YD)

STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
IL ROUTE 31																								
124+00.00	125+00.00	100.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.7	0.0	0.0	-38.7	0.0	0.0	9.6	0.0	0.0	21.5	0.0	0.0	0.0	0.0
125+00.00	126+00.00	100.00	0.8	0.0	0.0	0.7	0.0	0.0	2.2	40.3	0.0	-1.5	-40.3	0.0	2.5	9.8	0.0	7.6	21.5	0.0	0.0	0.0	0.0
126+00.00	126+63.42	63.42	5.5	5.7	0.0	4.7	4.8	0.0	1.4	7.8	0.0	3.3	-3.0	0.0	1.6	5.9	0.0	15.7	12.8	0.0	0.0	0.0	0.0
126+63.42	127+01.19	37.77	3.0	11.7	0.0	2.5	9.9	0.0	2.5	0.4	0.0	0.0	9.5	0.0	0.8	1.7	0.0	9.5	13.3	0.0	0.0	0.0	0.0
127+01.19	127+88.33	87.14	0.1	45.0	0.0	0.1	38.2	0.0	7.0	0.0	0.0	-7.0	38.2	0.0	3.4	0.0	0.0	13.4	46.0	0.0	0.0	0.0	0.0
127+88.33	128+50.00	61.67	0.1	19.8	0.0	0.0	16.9	0.0	3.1	2.0	0.0	-3.0	14.9	0.0	2.0	2.7	0.0	9.2	23.2	0.0	0.0	0.0	0.0
128+50.00	129+35.32	85.32	0.0	5.1	0.0	0.0	4.3	0.0	3.1	2.7	0.0	-3.1	1.6	0.0	1.3	3.7	0.0	6.4	40.0	0.0	0.0	0.0	0.0
129+35.32	130+00.00	64.68	0.0	2.2	0.0	0.0	1.9	0.0	2.5	13.4	0.0	-2.5	-11.5	0.0	1.0	4.3	0.0	4.8	31.0	0.0	0.0	0.0	0.0
130+00.00	131+00.00	100.00	0.0	4.9	0.0	0.0	4.1	0.0	13.7	20.7	0.0	-13.7	-16.5	0.0	4.7	6.7	0.0	27.0	39.9	0.0	0.0	0.0	0.0
131+00.00	132+00.00	100.00	0.0	4.9	0.0	0.0	4.1	0.0	20.0	37.3	0.0	-20.0	-33.2	0.0	6.5	8.1	0.0	27.9	40.6	0.0	0.0	0.0	0.0
132+00.00	133+00.00	100.00	0.0	0.0	0.0	0.0	0.0	0.0	28.2	59.5	0.0	-28.2	-59.5	0.0	7.8	15.5	0.0	17.0	22.8	0.0	0.0	0.0	0.0
133+00.00	134+00.00	100.00	0.0	4.6	0.0	0.0	3.9	0.0	20.9	25.6	0.0	-20.9	-21.7	0.0	5.8	13.2	0.0	16.3	21.8	0.0	0.0	0.0	0.0
134+00.00	134+29.90	29.90	0.0	6.9	0.0	0.0	5.9	0.0	1.6	1.0	0.0	-1.6	4.9	0.0	1.8	1.7	0.0	4.4	14.1	0.0	0.0	0.0	0.0
134+29.90	135+00.00	70.10	4.7	13.0	0.0	4.0	11.1	0.0	3.3	41.8	0.0	0.7	-30.7	0.0	10.2	8.4	0.0	11.7	35.1	0.0	0.0	0.0	0.0
135+00.00	136+00.00	100.00	19.3	0.0	0.0	16.4	0.0	0.0	5.3	114.4	0.0	11.1	-114.4	0.0	20.4	25.3	0.0	19.4	27.8	0.0	0.0	0.0	0.0
136+00.00	137+00.00	100.00	12.5	0.0	0.0	10.6	0.0	0.0	23.8	167.1	0.0	-13.2	-167.1	0.0	19.0	28.7	0.0	18.7	33.2	0.0	0.0	0.0	0.0
137+00.00	138+00.00	100.00	0.0	0.0	0.0	0.0	0.0	0.0	20.8	112.2	0.0	-20.8	-112.2	0.0	8.3	15.4	0.0	8.8	19.0	0.0	0.0	0.0	0.0
138+00.00	139+00.00	100.00	42.3	25.2	9.9	35.9	21.4	8.4	21.1	26.1	0.0	14.9	-4.7	8.4	16.7	8.5	0.0	6.9	14.2	0.0	0.0	0.0	0.0
139+00.00	139+32.25	32.25	26.5	17.1	6.3	22.5	14.5	5.4	10.9	27.7	0.0	11.6	-13.2	5.4	11.8	2.8	0.0	5.2	28.2	0.0	0.0	0.0	0.0
139+32.25	140+21.45	89.20	81.9	39.7	20.2	69.6	33.8	17.2	19.7	149.8	0.0	49.9	-116.1	17.2	17.6	0.0	0.0	32.1	121.2	0.0	0.0	0.0	0.0
140+21.45	141+22.17	100.72	113.0	42.0	32.3	96.0	35.7	27.4	11.6	122.3	0.0	84.4	-86.7	27.4	14.6	0.0	0.0	45.6	103.5	0.0	0.0	0.0	0.0
141+22.17	142+16.41	94.24	184.6	57.1	40.8	156.9	48.5	34.7	2.1	23.7	0.0	154.8	24.8	34.7	13.7	12.5	0.0	60.7	50.2	0.0	0.0	0.0	0.0
142+16.41	142+63.95	47.54	88.2	34.4	23.6	75.0	29.3	20.0	0.0	7.2	0.0	75.0	22.1	20.0	1.3	8.7	0.0	24.9	12.2	0.0	0.0	0.0	0.0
142+63.95	143+00.00	36.05	72.0	24.3	18.7	61.2	20.7	15.9	0.0	8.8	0.0	61.2	11.9	15.9	6.0	4.1	0.0	7.8	10.9	0.0	0.0	0.0	0.0
143+00.00	144+00.00	100.00	189.4	114.1	57.9	160.9	97.0	49.2	33.9	69.7	0.0	127.0	27.4	49.2	24.7	23.6	0.0	31.5	44.0	0.0	0.0	0.0	0.0
144+00.00	144+86.35	86.35	57.1	159.1	27.1	48.5	135.2	23.1	77.6	41.9	0.0	-29.1	93.4	23.1	21.7	14.9	0.0	30.5	57.7	0.0	0.0	0.0	0.0
144+86.35	146+00.00	113.65	78.0	182.9	43.1	66.3	155.5	36.6	146.5	12.1	0.0	-80.2	143.4	36.6	31.6	7.5	27.8	48.4	73.1	-27.8	0.0	0.0	0.0
146+00.00	147+00.00	100.00	81.9	126.9	51.7	69.6	107.8	43.9	363.6	10.8	0.0	-294.0	97.1	43.9	34.1	12.8	48.9	55.8	41.7	-48.9	0.0	0.0	0.0
147+00.00	147+67.50	67.50	53.1	69.2	21.1	45.2	58.8	17.9	400.2	23.0	0.0	-355.0	35.8	17.9	31.0	4.2	40.7	43.4	39.4	-40.7	0.0	0.0	0.0
147+67.50	148+00.00	32.50	27.5	23.8	12.4	23.4	20.3	10.6	168.5	30.5	0.0	-145.1	-10.3	10.6	15.6	3.7	26.8	21.0	19.2	-26.8	0.0	0.0	0.0
148+00.00	149+00.00	100.00	86.4	79.6	39.0	73.4	67.6	33.1	246.7	106.1	0.0	-173.2	-38.5	33.1	30.3	29.6	115.7	58.8	37.1	-115.7	0.0	0.0	0.0
149+00.00	150+00.00	100.00	71.7	143.2	27.8	60.9	121.7	23.6	117.8	56.3	0.0	-56.9	65.4	23.6	20.7	42.6	124.0	56.1	39.0	-124.0	0.0	0.0	0.0
150+00.00	151+00.00	100.00	39.2	682.1	11.8	33.3	579.8	10.0	1063.4	31.6	0.0	-1030.1	548.2	10.0	55.8	68.2	79.3	77.9	55.1	-79.3	0.0	0.0	0.0
151+00.00	151+70.00	70.00	6.1	912.9	1.5	5.2	776.0	1.3	1357.9	53.7	0.7	-1352.6	722.3	0.6	58.3	67.1	34.3	66.3	50.8	-34.3	0.0	0.0	0.0
151+70.00	152+00.00	30.00	1.0	458.4	0.1	0.8	389.6	0.0	622.6	30.3	15.3	-621.7	359.4	-15.2	24.8	30.3	14.7	28.5	22.3	-14.7	0.0	0.0	0.0
152+00.00	153+19.80	119.80	10.1	981.1	0.2	8.6	833.9	0.2	2539.3	54.8	59.8	-2530.7	779.2	-59.6	102.2	58.3	29.4	113.6	43.4	-29.4	0.0	0.0	0.0
153+19.80	154+00.00	80.20	13.5	45.1	3.1	11.5	38.3	2.7	1445.3	0.8	0.0	-1433.8	37.5	2.7	65.1	9.6	19.7	72.5	15.4	-19.7	0.0	0.0	0.0
154+00.00	155+00.00	100.00	78.3	147.8	7.2	66.5	125.6	6.1	837.5	1.0	0.0	-771.0	124.6	6.1	60.2	32.2	49.1	77.0	44.9	-49.1	0.0	0.0	0.0
155+00.00	155+34.70	34.70	41.5	92.1	2.3	35.3	78.3	1.9	15.1	0.0	0.0	20.2	78.3	1.9	7.8	14.4	17.0	28.8	18.5	-17.0	0.0	0.0	0.0
155+34.70	156+00.00	65.30	215.5	268.8	6.7	183.2	228.5	5.7	0.0	0.0	0.0	183.2	228.5	5.7	12.2	28.6	41.0	49.9	38.4	-41.0	0.0	0.0	0.0
156+00.00	157+00.00	100.00	542.6	626.2	16.9	461.2	532.2	14.3	0.0	0.0	0.0	461.2	532.2	14.3	35.4	44.8	109.5	54.1	62.3	-109.5	0.0	0.0	0.0
157+00.00	158+00.00	100.00	539.8	874.0	19.7	458.8	742.9	16.8	0.0	0.0	0.0	458.8	742.9	16.8	32.1	43.4	162.0	56.7	64.3	-162.0	0.0	0.0	0.0
158+00.00	159+00.00	100.00	642.0	1057.8	18.0	545.7	899.1	15.3	0.0	0.0	0.0	545.7	899.1	15.3	31.2	48.0	163.7	62.7	63.9	-163.7	0.0	0.0	0.0
159+00.00	160+00.00	100.00	496.3	1130.3	9.6	421.9	960.8	8.2	0.0	0.0	0.0	421.9	960.8	8.2	27.0	59.1	116.7	61.9	62.6	-116.7	0.0	0.0	0.0
160+00.00	161+00.00	100.00	678.4	884.9	14.9	576.6	752.2	12.7	0.0	0.0	0.0	576.6	752.2	12.7	35.2	53.6	68.2	63.2	55.2	-68.2	0.0	0.0	0.0
161+00.00	162+00.00	100.00	593.9	534.5	37.9	504.8	454.4	32.2	51.8	0.0	0.0	453.1	454.4	32.2	38.8	39.8	49.1	68.5	42.8	-49.1	0.0	0.0	0.0
162+00.00	163+18.07	118.07	486.7	866.5	99.6	413.7	736.5	84.6	61.1	0.0	0.0	352.5	736.5	84.6	17.5	21.8	29.0	121.3	22.9	-29.0	0.0	0.0	0.0
163+18.07	164+00.00	81.93	1419.4	1117.6	96.9	1206.5	950.0	82.4	0.0	0.0	0.0	1206.5	950.0	82.4	34.1	26.4	20.1	92.1	28.4	-20.1	0.0	0.0	0.0
164+00.00	165+00.00	100.00	3026.5	1974.7	108.8	2572.5	1678.5	92.4	0.0	0.0	0.0	2572.5	1678.5	92.4	85.8	70.9	49.1	95.3	70.1	-49.1	0.0	0.0	0.0
165+00.00	166+00.00	100.00	3689.1	2383.3	82.8	3135.7	2025.8	70.4	0.0	0.0	0.0	3135.7	2025.8	70.4	92.2	86.8	58.4	114.1	72.0	-58.4	0.0	0.0	0.0
166+00.00	167+00.00	100.00	3851.9	2590.4	40.5	3274.1	2201.9	34.4	0.0	0.0	0.0	3274.1	2201.9	34.4	93.5	97.5	100.8	120.2	75.4	-100.8	0.0	0.0	0.0
167+00.00	168+00.00	100.00	3497.1	2243.4	30.4	2972.5	1906.9	25.9	0.0	0.0	3.5	2972.5	1906.9	22.4	89.6	91.5	157.6	124.7	73.1	-157.6	0.0	0.0	0.0
168+00.00	169+00.00	100.00	3196.7	1625.7	40.7	2717.2	1381.8	34.6	0.0	0.0	10.4	2717.2	1381.8	24.2	88.6	78.0	181.4	127.2	63.5	-181.4	0.0	0.0	0.0
169+00.00	170+00.00	100.00	2811.8	1019.6	36.1	2390.0	866.6	30.7	0.0	1.0	12.4	2390.0	865.6	18.3	83.0	63.0	181.4	113.6	51.1	-181.4	0.0	0.0	0.0
170+00.00	170+95.80	95.80	1657.6	406.4	17.2	1408.9	345.5	14.6	0.0	2.1	13.5	1408.9	343.4	1.1	37.0	43.2	163.0	50.7	43.1	-163.0	0.0	0.0	0.0
170+95.80	172+00.00	104.20	460.9	167.2	1.6	391.7	142.1	1.4	412.9	53.1	16.3	-21.1	89.0	-14.9	16.8	33.3	141.6	70.4	49.8	-141.6	0.0	0.0	0.0
172+00.00	173+00.00	100.00	97.3	50.5	2.3	82.7	42.9	1.9	676.9	139.7	8.4	-594.2	-96.8	-6.5	53.2	25.3	90.9	127.1	48.0	-90.9	0.0	0.0	0.0
173+00.00	174+00.00	100.00	472.3	14.8	1.6	401.4	12.6	1.3	282.0	190.0	6.5	119.5	-177.4	-5.1	62.7	15.9	59.0	110.4	43.9	-59.0	0.0	0.0	0.0
174+00.00	175+00.00	100.00	556.5	12.8	0.9	473.0	10.9	0.8	46.4	214.4	16.1	426.7	-203.5	-15.4	47.3	9.1	49.1	125.4	38.3	-49.1	0.0	0.0	0.0
175+00.00	176+00.00	100.00	584.7	10.4	0.0	497.0	8.9	0.0	46.4	225.1	34.9	450.6	-216.2	-34.9	40.0	9.1	49.1	129.4	34.9	-49.1	0.0	0.0	0.0
176+00.00	176+99.11	99.11	399.6	13.8	0.0	339.7	11.7	0.0	1.3	186.0	23.6	338.4	-174.3	-23.6	18.1	9.3	24.3	54.4	32.9	-24.3	0.0	0.0	0.0
176+99.11	178+00.00	100.89	477.4	173.4	28.7	405.8	147.4	24.4	853.7	138.8	48.3	-447.8	8.6	-24.0	7.0	24.6	28.9	46.8	45.3	-28.9	0.0	0.0	0.0
178+00.00	179+00.00	100.00	804.0	431.1	31.3	683.4	366.4	26.6	1337.6	114.7	75.7	-654.2	251.7	-49.1	13.9	56.8	60.4	98.1	65.3	-60.4	0.0	0.0	0.0
179+00.00	179+96.60	96.60	319.6	259.3	2.7	271.6	220.4	2.3	1503.9	292.9	71.5	-1232.3	-72.5	-69.1	39.8	36.0	90.2	102.2	73.3	-90.2	0.0	0.0	0.0
179+96.60	181+00.00	103.40	0.0	46.0	0.0	0.0	39.1	0.0	1967.6	510.7	131.3	-1967.6	-471.5	-131.3	66.9	41.0	157.5	110.0	84.4	-157.5	0.0	0.0	0.0
181+00.00	182+00.00	100.00	0.0	113.2	0.0	0.0	96.2	0.0	1221.9	495.9	114.2	-1221.9	-399.7	-114.2	51.2	80.9	181.4	96.2	86.5	-181.4	0.0	0.0	0.0
182+00.00	183+09.64	109.64	0.6	220.5	3.9	0.5	187.4	3.3	491.3	389.6	45.0	-490.8	-202.1	-41.8	22.8	113.5	198.9	129.8	98.7	-198.9	0.0	0.0	0.0
183+09.64	184+00.00	90.36	0.5	507.9	31.2	0.4	431.7	26.5	172.3	239.3	66.7	-171.9	192.4	-40.2	8.5	103.7	163.9	106.9	98.7	-163.9	0.0	0.0	0.0
184+00.00	184+26.17	26.17	1.3	215.9	18.4	1.1	183.6	15.6	46.5	59.1	17.3	-45.4	124.4	-1.7	2.5	31.2	47.5	31.9	29.7	-47.5	0.0	0.0	0.0
184+26.17	184+74.30	48.13	21.3	397.3	44.6	18.1	337.7	37.9	30.8	55.4	0.0	-12.7	282.4	37.9	0.0	63.5	87.3	69.0	49.3	-87.3	0.0	0.0	0.0
184+74.30	185+00.00	25.70	19.8	211.5	28.5	16.8	179.8	24.2	7.9	24.9	0.0	8.9	154.9	24.2	1.4	33.7	46.6	27.2	27.1	-46.6	0.0	0.0	0.0

PATRICK a RJN company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	37
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
IL ROUTE 31																							
185+00.00	186+00.00	100.00	85.7	779.2	124.9	72.8	662.3	106.1	125.6	161.2	60.3	-52.7	501.1	45.8	10.6	130.7	181.4	80.5	108.8	-181.4	0.0	0.0	0.0
186+00.00	186+63.75	63.75	43.2	432.4	73.1	36.7	367.6	62.2	109.5	159.4	66.0	-72.8	208.2	-3.8	6.1	81.2	109.2	53.3	71.7	-109.2	0.0	0.0	0.0
186+63.75	187+00.00	36.25	34.7	246.3	32.5	29.5	209.4	27.7	26.7	57.3	15.7	2.7	152.0	12.0	3.4	46.1	54.5	104.6	133.2	223.8	77.5	92.5	278.2
187+00.00	187+50.94	50.94	63.2	281.9	39.6	53.7	239.6	33.6	29.0	87.1	0.0	24.7	152.6	33.6	2.6	63.1	65.1	151.3	229.7	122.2	135.5	174.9	187.3
187+50.94	188+00.00	49.06	42.9	148.5	27.8	36.4	126.2	23.6	47.1	172.7	0.0	-10.6	-46.5	23.6	4.0	58.7	47.9	149.7	252.3	156.2	133.8	201.3	204.1
188+00.00	189+00.00	100.00	81.9	409.2	28.7	69.6	347.8	24.4	161.1	275.9	0.0	-91.5	72.0	24.4	25.2	60.6	64.2	71.5	154.7	-64.2	0.0	0.0	0.0
189+00.00	190+00.00	100.00	45.5	446.5	7.1	38.7	379.5	6.0	364.3	176.8	10.5	-325.6	202.7	-4.5	39.2	59.9	49.1	70.9	147.2	-49.1	0.0	0.0	0.0
190+00.00	191+07.05	107.05	29.1	187.6	0.0	24.7	159.5	0.0	642.1	339.9	11.2	-617.4	-180.4	-11.2	55.7	64.2	26.3	70.8	47.2	-26.3	0.0	0.0	0.0
191+07.05	191+39.68	32.63	17.2	5.0	0.0	14.6	4.2	0.0	241.1	143.8	0.0	-226.5	-139.5	0.0	19.8	0.0	0.0	22.3	3.4	0.0	0.0	0.0	0.0
191+39.68	192+00.00	60.32	183.4	189.1	0.0	155.9	160.7	0.0	466.0	351.9	22.7	-310.1	-191.2	-22.7	34.1	40.3	14.8	40.1	31.4	-14.8	0.0	0.0	0.0
192+00.00	192+40.00	40.00	484.9	247.7	0.3	412.1	210.5	0.2	359.7	265.9	43.3	52.5	-55.4	-43.1	15.4	51.8	19.6	31.5	40.3	-19.6	0.0	0.0	0.0
192+40.00	192+90.00	50.00	770.6	212.3	0.3	655.0	180.4	0.3	459.4	257.6	47.0	195.5	-77.2	-46.7	11.2	60.9	24.5	36.6	57.6	-24.5	0.0	0.0	0.0
192+90.00	193+00.00	10.00	95.3	18.4	0.0	81.0	15.7	0.0	81.1	62.5	6.1	-0.1	-46.8	-6.1	1.7	12.6	4.9	5.5	10.3	-4.9	0.0	0.0	0.0
193+00.00	194+00.00	100.00	377.8	214.7	0.0	321.1	182.5	0.0	749.2	709.5	85.0	-428.1	-527.0	-85.0	34.3	129.6	54.8	55.9	97.3	-54.8	0.0	0.0	0.0
194+00.00	195+00.00	100.00	82.1	279.9	0.0	69.8	237.9	0.0	585.8	638.1	109.2	-516.0	-400.2	-109.2	54.2	129.9	90.6	60.0	98.8	-90.6	0.0	0.0	0.0
195+00.00	196+00.00	100.00	147.1	177.2	0.0	125.0	150.6	0.0	399.3	710.2	133.7	-274.3	-559.6	-133.7	57.4	134.5	150.5	65.4	96.1	-150.5	0.0	0.0	0.0
196+00.00	196+49.02	49.02	46.5	37.9	0.0	39.5	32.2	0.0	133.0	354.1	91.4	-93.5	-321.9	-91.4	14.7	66.0	88.7	39.6	47.1	-88.7	0.0	0.0	0.0
196+49.02	197+00.00	50.98	52.1	50.1	0.0	44.3	42.6	0.0	115.8	388.8	81.4	-71.5	-346.2	-81.4	15.0	69.0	92.5	38.1	50.8	-92.5	0.0	0.0	0.0
197+00.00	198+00.00	100.00	208.4	135.5	0.0	177.1	115.2	0.0	204.9	711.3	79.1	-27.8	-596.1	-79.1	58.7	135.8	181.4	56.3	101.8	-181.4	0.0	0.0	0.0
198+00.00	198+57.02	57.02	60.5	139.4	0.0	51.4	118.5	0.0	120.0	296.2	36.5	-68.6	-177.7	-36.5	16.7	76.9	103.4	45.4	58.5	-103.4	0.0	0.0	0.0
198+57.02	199+04.72	47.70	69.0	77.2	0.0	58.6	65.6	0.0	112.4	150.1	30.6	-53.8	-84.5	-30.6	16.3	31.7	86.5	37.9	47.8	-86.5	0.0	0.0	0.0
199+04.72	199+88.50	83.78	121.2	790.2	196.8	103.0	671.6	167.3	205.8	504.8	106.4	-102.8	166.8	60.9	37.7	20.2	152.0	58.3	77.7	-152.0	0.0	0.0	0.0
199+88.50	200+00.00	11.50	0.0	209.5	51.6	0.0	178.0	43.9	36.5	169.6	38.6	-36.5	8.5	5.2	2.9	4.5	20.9	7.3	8.8	-20.9	0.0	0.0	0.0
200+00.00	200+34.55	34.55	0.0	593.0	114.2	0.0	504.0	97.0	93.8	456.3	102.0	-93.8	47.7	-4.9	11.0	9.4	62.7	2.0	36.9	-62.7	0.0	0.0	0.0
200+34.55	201+00.00	65.45	0.0	564.9	76.3	0.0	480.2	64.9	53.6	317.1	47.8	-53.6	163.1	17.1	11.1	25.3	110.2	-11.1	79.1	-110.2	0.0	0.0	0.0
201+00.00	202+00.00	100.00	0.0	273.5	0.0	0.0	232.5	0.0	13.5	229.5	21.1	-13.5	3.0	-21.1	0.0	80.7	125.2	0.0	96.7	-125.2	0.0	0.0	0.0
202+00.00	203+00.00	100.00	0.0	502.8	0.0	0.0	427.4	0.0	36.2	454.0	0.0	-36.2	-26.6	0.0	0.0	108.0	63.5	0.0	105.8	-63.5	0.0	0.0	0.0
203+00.00	204+00.00	100.00	0.0	264.5	0.0	0.0	224.9	0.0	70.6	1068.3	0.0	-70.6	-843.5	0.0	0.0	104.2	16.0	0.0	112.0	-16.0	0.0	0.0	0.0
204+00.00	205+00.00	100.00	0.0	22.3	0.0	0.0	18.9	0.0	76.6	1214.7	0.0	-76.6	-1195.8	0.0	0.0	93.3	0.0	0.0	111.4	0.0	0.0	0.0	0.0
205+00.00	206+00.00	100.00	0.0	75.1	0.0	0.0	63.8	0.0	76.6	843.9	0.0	-76.6	-780.1	0.0	0.0	84.2	0.0	0.0	116.5	0.0	0.0	0.0	0.0
206+00.00	206+87.94	87.94	0.0	160.4	0.0	0.0	136.4	0.0	39.1	538.6	10.0	-39.1	-402.2	-10.0	0.0	49.3	0.0	0.0	94.3	0.0	0.0	0.0	0.0
206+87.94	208+00.00	112.06	15.6	448.3	0.0	13.2	381.1	0.0	132.4	461.5	47.9	-119.2	-80.4	-47.9	13.6	54.9	27.5	55.5	70.8	-27.5	0.0	0.0	0.0
208+00.00	209+00.00	100.00	19.5	288.6	0.0	16.5	245.3	0.0	396.9	260.7	81.7	-380.3	-15.4	-81.7	23.5	67.9	49.1	100.4	3.8	-49.1	0.0	0.0	0.0
209+00.00	210+00.00	100.00	38.2	20.4	1.0	32.4	17.3	0.8	290.0	216.5	65.7	-257.5	-199.2	-64.9	15.7	43.1	57.5	100.9	-5.8	-57.5	0.0	0.0	0.0
210+00.00	210+81.89	81.89	53.4	10.2	0.8	45.4	8.7	0.7	11.7	158.5	25.5	33.7	-149.8	-24.8	3.6	14.7	74.0	100.2	19.5	-74.0	0.0	0.0	0.0
210+81.89	211+00.00	18.11	10.5	2.2	0.0	9.0	1.9	0.0	4.1	33.9	5.5	4.8	-32.0	-5.5	1.0	3.5	21.8	21.9	5.2	-21.8	0.0	0.0	0.0
211+00.00	212+00.00	100.00	25.5	11.3	0.0	21.7	9.6	0.0	567.9	315.1	226.6	-546.2	-305.5	-226.6	20.3	26.7	153.7	112.8	35.4	-153.7	0.0	0.0	0.0
212+00.00	213+00.00	100.00	52.8	1.7	1.5	44.9	1.4	1.2	650.2	316.3	279.1	-605.3	-314.9	-277.9	41.1	25.5	181.4	128.3	31.2	-181.4	0.0	0.0	0.0
213+00.00	214+00.00	100.00	65.8	3.1	1.5	55.9	2.6	1.2	174.4	188.7	140.6	-118.5	-186.1	-139.4	39.3	18.7	181.4	118.6	13.2	-181.4	0.0	0.0	0.0
214+00.00	215+00.00	100.00	13.0	22.6	136.3	11.0	19.2	115.9	809.3	257.3	377.5	-798.3	-238.0	-261.6	34.9	21.4	181.4	116.0	10.7	-181.4	0.0	0.0	0.0
215+00.00	216+00.00	100.00	523.8	256.2	646.4	445.2	217.8	549.5	1723.5	345.1	1040.5	-1278.3	-127.3	-491.0	30.1	25.6	181.4	120.1	14.6	-181.4	0.0	0.0	0.0
216+00.00	217+00.00	100.00	523.8	235.0	510.1	445.2	199.8	433.6	1453.2	326.6	897.6	-1008.0	-126.9	-464.1	30.0	21.2	178.7	115.7	13.6	-178.7	0.0	0.0	0.0
217+00.00	218+00.00	100.00	0.0	0.0	0.0	0.0	0.0	0.0	713.8	191.7	196.5	-713.8	-191.7	-196.5	29.9	14.1	141.0	112.9	11.7	-141.0	0.0	0.0	0.0
218+00.00	218+85.46	85.46	1.9	14.6	0.2	1.6	12.4	0.2	267.0	92.1	38.1	-265.4	-79.7	-38.0	12.5	5.6	66.3	91.8	4.9	-66.3	0.0	0.0	0.0
218+85.46	219+85.59	100.13	107.7	59.4	2.5	159.5	50.5	2.1	143.1	95.9	13.2	16.4	-45.4	-11.1	45.1	0.0	49.1	116.9	0.0	-49.1	0.0	0.0	0.0
219+85.59	220+00.00	14.41	54.9	12.1	0.7	46.7	10.3	0.6	26.5	10.0	0.9	20.2	0.3	-0.3	11.1	0.2	7.1	19.1	-0.2	-7.1	0.0	0.0	0.0
220+00.00	221+00.00	100.00	751.0	89.0	2.8	638.4	75.6	2.4	383.1	30.0	2.4	255.2	45.7	0.0	89.6	3.4	24.5	138.8	-0.6	-24.5	0.0	0.0	0.0
221+00.00	221+21.90	21.90	266.3	21.7	0.0	226.4	18.5	0.0	101.3	4.4	0.0	125.1	14.1	0.0	22.7	1.3	0.0	31.5	0.2	0.0	0.0	0.0	0.0
221+21.90	222+00.00	78.10	817.2	355.9	52.0	694.7	302.5	44.2	144.8	19.7	0.0	549.8	282.8	44.2	60.9	28.4	19.2	101.0	9.0	-19.2	0.0	0.0	0.0
222+00.00	223+00.00	100.00	1162.8	1066.3	138.3	988.4	906.4	117.6	0.0	19.8	0.0	988.4	886.6	117.6	54.1	74.9	49.1	328.4	399.2	69.6	213.7	369.5	118.6
223+00.00	224+00.00	100.00	1423.8	1184.7	143.4	1210.3	1007.0	121.9	0.0	15.9	0.0	1210.3	991.1	121.9	52.2	79.4	49.1	326.5	407.6	69.6	213.7	369.7	118.6
224+00.00	225+00.00	100.00	917.7	1083.5	120.1	780.0	921.0	102.1	0.0	12.9	0.0	780.0	908.1	102.1	31.1	75.1	59.8	312.0	398.1	71.0	214.3	356.7	130.8
225+00.00	226+00.00	100.00	321.2	1290.6	84.9	273.0	1097.0	72.2	87.5	10.0	0.0	185.5	1087.0	72.2	41.3	90.0	95.6	313.6	360.5	75.4	214.3	313.8	171.0
226+00.00	227+00.00	100.00	50.1	1541.8	64.4	42.6	1310.5	54.8	438.9	11.5	0.0	-396.3	1299.1	54.8	63.0	106.7	145.7	112.3	53.0	-145.7	0.0	0.0	0.0
227+00.00	228+00.00	100.00	29.1	937.6	43.9	24.7	797.0	37.3	1048.4	13.0	25.0	-1023.7	784.0	12.4	68.8	76.1	176.1	118.6	38.2	-176.1	0.0	0.0	0.0
228+00.00	229+00.00	100.00	54.5	233.9	28.4	46.3	198.8	24.1	1688.2	94.6	81.5	-1641.9	104.2	-57.4	80.9	53.4	181.4	130.3	29.5	-181.4	0.0	0.0	0.0
229+00.00	229+37.27	37.27	9.5	97.0	8.7	8.0	82.5	7.4	507.3	96.2	73.3	-499.3	-13.7	-65.9	23.0	22.9	67.6	49.7	18.7	-67.6	0.0	0.0	0.0
229+37.27	230+00.00	62.73	0.0	124.9	17.4	0.0	106.2	14.8	860.0	212.3	87.9	-860.0	-106.1	-73.1	33.6	35.4	113.8	78.4	30.5	-113.8	0.0	0.0	0.0
230+00.00	231+00.00	100.00	0.0	97.9	35.3	0.0	83.2	30.0	1447.1	305.5	35.7	-1447.1	-222.3	-5.7	59.5	50.3	181.4	115.0	35.2	-181.4	0.0	0.0	0.0
231+00.00	232+00.00	100.00	471.0	517.0	60.1	400.3	439.4	51.1	446.3	138.4	35.7	-45.9	301.0	15.4	44.5	58.4	181.4	115.1	33.3	-181.4	0.0	0.0	0.0
232+00.00	233+00.00	100.00	966.7	960.2	106.5	821.7	816.2	90.5	0.0	7.2	0.0	821.7	809.0	90.5	41.0	70.5	181.4	111.7	38.8	-181.4	0.0	0.0	0.0
233+00.00	234+00.00	100.00	690.2	855.5	158.4	586.7	727.2	134.7	0.0	7.8	0.0	586.7	719.4	134.7	35.4	62.3	181.4	95.5	44.5	-181.4	0.0	0.0	0.0
234+00.00	235+00.00	100.00	382.1	763.9	192.3	324.8	649.3	163.4	0.0	1.9	0.0	324.8	647.4	163.4	30.1	57.2	181.4	84.0	39.8	-181.4	0.0	0.0	0.0
235+00.00	235+60.47	60.47	241.2	466.2	107.3	205.0	396.3	91.2	0.0	0.0	0.0	205.0	396.3	91.2	24.1	18.1	103.4	48.9	44.4	-103.4	0.0	0.0	0.0
235+60.47	236+00.00	39.53	170.4	218.3	58.2	144.9	185.5	49.5	0.0	0.3	0.0	144.9	185.3	49.5	19.2	7.3	58.4	32.3	25.9	-58.4	0.0	0.0	0.0
236+00.00	237+00.00	100.00	306.2	490.8	95.0	260.2	417.2	80.8	5.7	7.8	0.0	254.6	409.4	80.8	50.5	50.6	102.1	82.8	26.7	-102.1	0.0	0.0	0.0
237+00.00	238+00.00	100.00	102.8	535.5	31.5	87.4	455.2	26.8	62.6	23.9	0.0	24.8	431.3	26.8	44.2	63.6	63.4	80.0	32.5	-63.4	0.0	0.0	0.0
238+00.00	239+00.00	100.00	42.0	343.4	7.1	35.7	291.9	6.0	93.0	30.8	1.7	-57.3	261.1	4.3	35.7	57.3	57.4	74.2	31.1	-57.4	0.0	0.0	0.0
239+00.00	239+45.36	45.36	11.6	74.7	0.9	9.8	63.5	0.8	114.6	8.9	2.1	-104.8	54.7	-1.3	7.2	11.7	13.0	16.1	44.1	-13.0	0.0	0.0	0.0
239+45.36	240+00.00	54.64	11.7	55.3	0.0	9.9	47.0	0.0	144.6	11.5	4.5	-134.7	35.5	-4.5	3.5	5.8	13.4	20.7	50.3	-13.4	0.0	0.0	0.0
240+00.00	241+00.00	100.00	55.5	132.7	1.8	47.2	112.8	1.6	84.8	31.3	5.2	-37.6	81.5	-3.6	14.3	24.0	49.1	71.2	19.7	-49.1	0.0	0.0	0.0
241+00.00	241+98.74	98.74	67.4	136.3	3.5	57.3	115.8	3.0	63.3	34.2	0.9	-6.0	81.7	2.1	15.3	13.2	49.6	66.0	9.9	-49.6	0.0	0.0	0.0

MODEL: Default
FILE NAME: pw:\\patrick-ecs-pw.bentley.com:patrick-ecs-pw-07\Documents\IDOT\21177.01\12_Design\12.3_CADD\SHEETS\C1-SHT-SCHEDULE-01.dgn

PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY SCHEDULE OF QUANTITIES ILLINOIS ROUTE 31
	DRAWN - BAW	REVISED -		
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: NTS SHEET 2 OF 17 SHEETS STA. TO STA.
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	38
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
IL ROUTE 31																							
241+98.74	243+00.00	101.26	37.5	299.9	7.4	31.9	254.9	6.3	121.9	45.0	3.1	-90.0	209.9	3.2	19.0	29.8	82.9	70.0	15.8	-82.9	0.0	0.0	0.0
243+00.00	243+90.22	90.22	3.9	253.1	12.5	3.3	215.2	10.7	213.5	39.3	5.4	-210.2	175.9	5.3	22.0	26.6	125.9	65.2	24.3	-125.9	0.0	0.0	0.0
243+90.22	244+73.69	83.47	20.6	201.0	13.3	17.5	170.9	11.3	173.1	38.4	7.0	-155.6	132.4	4.3	11.0	23.5	145.3	78.1	20.6	-145.3	0.0	0.0	0.0
244+73.69	245+39.47	65.78	31.3	150.6	9.5	26.6	128.0	8.1	66.0	38.2	5.1	-39.4	89.9	3.0	5.5	18.6	119.3	61.3	8.8	-119.3	0.0	0.0	0.0
245+39.47	246+00.00	60.53	18.7	169.0	6.6	15.9	143.6	5.6	63.5	40.2	4.6	-47.6	103.4	1.0	10.4	19.5	109.8	43.1	9.2	-109.8	0.0	0.0	0.0
246+00.00	246+76.68	76.68	5.0	196.0	3.1	4.3	166.6	2.7	221.8	87.3	19.9	-217.5	79.3	-17.2	17.7	24.6	139.1	183.4	178.7	44.3	128.2	163.6	183.4
246+76.68	247+82.00	105.32	0.0	57.9	0.0	0.0	49.2	0.0	363.5	168.2	79.2	-363.5	-119.0	-79.2	27.0	24.5	189.3	238.9	236.9	3.9	145.6	193.2	193.3
247+82.00	248+00.00	18.00	0.0	13.5	0.0	0.0	11.5	0.0	79.1	47.2	27.4	-79.1	-35.8	-27.4	6.0	8.8	31.1	40.2	36.5	-5.8	23.4	27.3	25.3
248+00.00	248+81.08	81.08	0.0	21.9	0.0	0.0	18.6	0.0	547.1	318.4	110.7	-547.1	-299.8	-110.7	33.8	20.6	116.1	66.0	61.4	-116.1	0.0	0.0	0.0
248+81.08	250+00.00	118.92	2.8	52.7	0.0	2.4	44.8	0.0	720.7	323.4	52.6	-718.3	-278.7	-52.6	42.1	26.7	99.8	91.1	87.5	-99.8	0.0	0.0	0.0
250+00.00	250+44.77	44.77	11.3	30.8	0.9	9.6	26.2	0.8	161.0	41.3	3.5	-151.4	-15.1	-2.7	11.7	10.0	22.0	32.5	5.6	-22.0	0.0	0.0	0.0
250+44.77	251+00.00	55.23	92.1	63.1	4.0	78.3	53.6	3.4	84.9	43.2	0.7	-6.7	10.4	2.7	12.8	13.0	27.1	40.6	7.2	-27.1	0.0	0.0	0.0
251+00.00	252+00.00	100.00	449.8	199.0	13.3	382.3	169.1	11.3	40.5	56.3	0.0	341.8	112.8	11.3	30.8	39.3	49.1	80.2	30.0	-49.1	0.0	0.0	0.0
252+00.00	252+56.69	56.69	207.3	251.7	4.7	176.2	213.9	4.0	0.0	6.2	0.0	176.2	207.7	4.0	23.3	8.9	13.9	47.5	9.6	-13.9	0.0	0.0	0.0
252+56.69	254+00.00	143.31	101.3	558.8	0.0	86.1	475.0	0.0	131.0	35.6	4.6	-44.9	439.4	-4.6	69.0	17.5	35.2	120.0	34.2	-35.2	0.0	0.0	0.0
254+00.00	255+00.00	100.00	23.7	107.8	0.1	20.1	91.6	0.1	262.1	55.5	11.5	-242.0	36.1	-11.4	44.9	25.0	49.1	83.6	46.3	-49.1	0.0	0.0	0.0
255+00.00	256+00.00	100.00	12.8	83.9	6.4	10.9	71.3	5.5	334.2	71.5	8.9	-323.3	-0.1	-3.4	19.6	41.4	73.1	106.8	20.8	-73.1	0.0	0.0	0.0
256+00.00	257+00.00	100.00	0.0	71.5	24.3	0.0	60.7	20.7	163.5	248.5	0.6	-163.5	-187.8	20.1	0.0	58.7	126.7	65.4	61.6	-126.7	0.0	0.0	0.0
257+00.00	258+00.00	100.00	0.0	85.1	38.3	0.0	72.3	32.6	0.0	350.2	0.0	0.0	-277.9	32.6	0.0	56.8	168.9	0.0	125.4	-168.9	0.0	0.0	0.0
258+00.00	259+00.00	100.00	0.0	159.7	40.1	0.0	135.7	34.1	0.0	225.2	0.0	0.0	-89.4	34.1	0.0	57.2	181.4	0.0	130.7	-181.4	0.0	0.0	0.0
259+00.00	260+00.00	100.00	0.0	171.8	41.3	0.0	146.0	35.1	0.0	175.6	0.0	0.0	-29.6	35.1	0.0	59.3	181.4	0.0	136.4	-181.4	0.0	0.0	0.0
260+00.00	261+00.00	100.00	0.0	120.1	40.5	0.0	102.1	34.5	0.0	166.8	0.0	0.0	-64.8	34.5	0.0	59.0	181.4	0.0	134.8	-181.4	0.0	0.0	0.0
261+00.00	262+00.00	100.00	59.4	133.8	32.4	50.5	113.8	27.6	0.7	82.9	0.0	49.7	30.9	27.6	10.4	48.6	156.7	30.8	103.3	-156.7	0.0	0.0	0.0
262+00.00	263+00.00	100.00	224.8	212.8	14.8	191.1	180.9	12.6	0.7	11.9	0.0	190.4	169.0	12.6	24.5	36.3	101.8	67.7	70.5	-101.8	0.0	0.0	0.0
263+00.00	264+00.00	100.00	465.7	269.1	7.1	395.8	228.7	6.1	0.0	16.2	1.0	395.8	212.5	5.1	31.4	34.3	60.4	78.8	63.3	-60.4	0.0	0.0	0.0
264+00.00	265+00.00	100.00	428.3	192.3	6.1	364.0	163.4	5.1	1.4	69.4	4.6	362.6	94.1	0.6	36.3	32.9	49.1	86.2	58.7	-49.1	0.0	0.0	0.0
265+00.00	266+00.00	100.00	175.3	90.6	0.4	149.0	77.0	0.3	82.4	140.0	3.6	66.5	-63.0	-3.2	36.8	33.6	24.5	92.4	50.9	-24.5	0.0	0.0	0.0
266+00.00	267+00.00	100.00	63.3	54.7	0.0	53.8	46.5	0.0	199.4	201.5	30.9	-145.6	-154.9	-30.9	36.9	35.3	24.5	100.4	40.8	-24.5	0.0	0.0	0.0
267+00.00	268+00.00	100.00	39.4	47.1	0.0	33.4	40.0	0.0	280.0	279.2	69.0	-246.6	-239.2	-69.0	40.1	37.1	49.1	108.2	33.7	-49.1	0.0	0.0	0.0
268+00.00	269+00.00	100.00	52.1	34.0	0.0	44.3	28.9	0.0	345.1	329.2	87.0	-300.8	-300.3	-87.0	44.3	39.1	61.1	118.2	26.4	-61.1	0.0	0.0	0.0
269+00.00	270+00.00	100.00	43.5	44.8	0.0	37.0	38.0	0.0	382.8	350.2	101.5	-345.8	-312.1	-101.5	45.8	42.5	102.0	127.0	21.0	-102.0	0.0	0.0	0.0
270+00.00	271+00.00	100.00	18.9	388.8	0.0	16.1	330.5	0.0	350.3	254.4	83.4	-334.2	76.1	-83.4	44.2	82.7	156.1	227.9	161.2	-30.7	97.4	120.6	125.4
271+00.00	272+00.00	100.00	7.3	679.5	0.0	6.2	577.6	0.0	395.8	190.4	155.3	-389.6	387.2	-155.3	42.7	125.6	181.4	181.8	192.5	-93.2	49.3	136.0	88.2
272+00.00	273+00.00	100.00	3.0	658.8	0.0	2.6	560.0	0.0	497.1	225.2	240.8	-494.5	334.8	-240.8	41.8	130.4	181.4	160.6	117.7	-146.6	26.8	69.9	34.8
273+00.00	273+44.44	44.44	0.0	174.1	0.0	0.0	148.0	0.0	133.3	65.5	56.8	-133.3	82.5	-56.8	13.3	42.4	80.6	62.0	19.0	-80.6	0.0	0.0	0.0
273+44.44	273+59.46	15.02	0.0	11.1	0.0	0.0	9.5	0.0	43.2	19.2	16.3	-43.2	-9.7	-16.3	3.6	8.0	27.2	20.5	3.1	-27.2	0.0	0.0	0.0
273+59.46	273+74.44	14.98	0.0	5.6	0.0	0.0	4.8	0.0	71.2	25.8	29.4	-71.2	-21.1	-29.4	4.3	6.6	27.2	19.2	-0.1	-27.2	0.0	0.0	0.0
273+74.44	274+00.00	25.56	0.0	7.7	0.0	0.0	6.5	0.0	115.1	42.7	50.6	-115.1	-36.2	-50.6	7.3	10.0	46.4	32.7	-1.1	-46.4	0.0	0.0	0.0
274+00.00	275+00.00	100.00	0.0	13.8	0.0	0.0	11.7	0.0	436.4	158.1	162.5	-436.4	-146.3	-162.5	29.0	25.0	161.0	131.4	-9.3	-161.0	0.0	0.0	0.0
275+00.00	276+00.00	100.00	0.0	2.6	0.0	0.0	2.2	0.0	401.9	138.1	93.2	-401.9	-135.9	-93.2	28.0	6.5	110.5	131.1	5.3	-110.5	0.0	0.0	0.0
276+00.00	277+00.00	100.00	0.0	15.3	0.0	0.0	13.0	0.0	317.0	137.8	48.2	-317.0	-124.7	-48.2	25.4	5.4	64.7	270.8	327.7	49.5	143.4	321.4	114.2
277+00.00	277+77.43	77.43	0.0	22.7	0.0	0.0	19.3	0.0	203.6	129.3	27.3	-203.6	-110.0	-27.3	18.5	4.2	38.0	231.5	264.0	43.4	133.2	268.1	81.4
277+77.43	278+00.00	22.57	0.0	7.4	0.0	0.0	6.3	0.0	57.4	35.8	7.7	-57.4	-29.5	-7.7	5.4	1.2	11.1	69.5	77.8	12.9	40.7	79.0	24.0
278+00.00	279+06.08	106.08	11.0	87.2	0.0	9.3	74.1	0.0	205.4	74.3	19.0	-196.0	-0.1	-19.0	22.8	5.6	26.0	228.5	179.7	29.6	96.3	185.3	55.7
279+06.08	279+65.29	59.21	15.6	108.2	0.6	13.2	92.0	0.5	63.5	30.9	0.0	-50.2	61.1	0.5	5.6	15.4	14.5	84.1	1.4	-14.5	0.0	0.0	0.0
279+65.29	280+00.00	34.71	5.5	79.7	0.4	4.7	67.7	0.3	43.7	39.9	10.2	-39.0	27.8	-9.9	3.3	19.1	17.0	50.5	1.1	-17.0	0.0	0.0	0.0
280+00.00	281+00.00	100.00	34.0	196.8	0.0	28.9	167.3	0.0	130.7	175.3	63.6	-101.8	-8.0	-63.6	27.9	55.6	49.1	130.5	-0.3	-49.1	0.0	0.0	0.0
281+00.00	282+00.00	100.00	47.1	119.4	0.0	40.1	101.5	0.0	301.6	275.1	104.5	-261.5	-173.6	-104.5	41.4	50.0	63.8	136.5	-3.4	-63.8	0.0	0.0	0.0
282+00.00	283+00.00	100.00	23.6	59.4	0.0	20.1	50.5	0.0	588.5	394.6	185.3	-568.4	-344.2	-185.3	47.3	46.7	103.5	137.6	-5.0	-103.5	0.0	0.0	0.0
283+00.00	284+00.00	100.00	22.5	166.7	0.0	19.2	141.7	0.0	645.4	554.9	270.0	-626.2	-413.2	-270.0	47.7	88.2	153.3	135.7	16.4	-153.3	0.0	0.0	0.0
284+00.00	285+00.00	100.00	20.6	172.4	0.0	17.5	146.5	0.0	612.8	717.3	307.5	-595.3	-570.7	-307.5	46.3	129.4	179.8	134.8	38.7	-179.8	0.0	0.0	0.0
285+00.00	286+00.00	100.00	16.1	35.1	0.0	13.7	29.9	0.0	642.8	708.7	324.6	-629.1	-678.8	-324.6	46.4	89.3	181.4	139.1	17.7	-181.4	0.0	0.0	0.0
286+00.00	287+00.00	100.00	18.9	24.0	0.0	16.1	20.4	0.0	757.3	680.0	380.7	-741.2	-659.7	-380.7	50.7	54.0	181.4	142.0	0.2	-181.4	0.0	0.0	0.0
287+00.00	287+95.00	95.00	28.6	51.7	0.0	24.3	44.0	0.0	527.9	523.4	259.7	-503.7	-479.4	-259.7	45.2	51.3	148.8	156.2	17.0	-148.8	0.0	0.0	0.0
287+95.00	288+00.00	5.00	2.0	3.1	0.0	1.7	2.6	0.0	26.2	34.9	13.4	-24.6	-32.3	-13.4	2.1	3.0	6.5	8.9	1.0	-6.5	0.0	0.0	0.0
288+00.00	289+00.00	100.00	62.8	55.6	0.0	53.4	47.2	0.0	891.2	1095.5	328.6	-837.8	-1048.3	-328.6	55.9	66.5	98.1	153.8	8.2	-98.1	0.0	0.0	0.0
289+00.00	290+00.00	100.00	63.7	29.5	0.0	54.1	25.1	0.0	1139.1	1301.9	214.4	-1084.9	-1276.8	-214.4	68.7	55.1	33.7	142.0	2.5	-33.7	0.0	0.0	0.0
290+00.00	291+00.00	100.00	50.0	0.0	0.0	42.5	0.0	0.0	1247.9	1435.5	176.3	-1205.5	-1435.5	-176.3	68.8	48.4	0.0	141.5	-1.0	0.0	0.0	0.0	0.0
291+00.00	292+00.00	100.00	0.0	0.0	0.0	0.0	0.0	0.0	1288.6	1148.7	87.2	-1288.6	-1148.7	-87.2	68.6	52.3	0.0	141.0	1.0	0.0	0.0	0.0	0.0
292+00.00	293+00.00	100.00	77.7	7.0	0.0	66.1	6.0	0.0	1201.6	775.7	55.9	-1135.6	-769.7	-55.9	65.4	53.9	0.0	139.6	3.6	0.0	0.0	0.0	0.0
293+00.00	294+00.00	100.00	70.2	22.0	0.0	59.6	18.7	0.0	966.3	617.4	102.9	-906.7	-598.7	-102.9	61.0	53.1	0.0	137.8	4.0	0.0	0.0	0.0	0.0
294+00.00	295+00.00	100.00	80.2	35.4	0.0	68.2	30.1	0.0	750.1	450.2	77.2	-681.9	-420.0	-77.2	59.3	49.6	14.1	136.9	2.6	-14.1	0.0	0.0	0.0
295+00.00	295+64.73	64.73	29.1	31.8	1.3	24.7	27.1	1.1	356.6	189.0	20.7	-331.9	-161.9	-19.6	19.2	30.8	31.2	113.6	0.8	-31.2	0.0	0.0	0.0
295+64.73	296+00.00	35.27	25.4	17.4	1.6	21.6	14.8	1.3	129.2	75.0	2.6	-107.6	-60.2	-1.3	10.2	16.3	12.0	61.0	0.4	-12.0	0.0	0.0	0.0
296+00.00	297+00.00	100.00	246.4	63.3	61.0	209.4	53.8	51.8	151.3	154.9	5.6	58.1	-101.1	46.2	57.2	43.1	90.0	128.2	4.0	-90.0	0.0	0.0	0.0
297+00.00	298+00.00	100.00	297.0	133.5	151.4	252.4	113.4	128.6	22.9	99.6	0.0	229.5	13.8	128.6	33.3	42.1	180.4	116.4	11.2	-180.4	0.0	0.0	0.0
298+00.00	299+00.00	100.00	269.0	982.3	161.3	228.6	835.0	137.1	0.0	83.5	0.0	228.6	751.5	137.1	16.4	87.0	180.8	104.8	40.7	-180.8	0.0	0.0	0.0
299+00.00	299+67.33	67.33	139.7	1111.6	77.9	118.8	944.9	66.2	2.0	55.6	0.0	116.7	889.3	66.2	7.6	89.1	121.7	70.6	43.9	-121.7	0.0	0.0	0.0
299+67.33	300+00.00	32.67	30.0	481.9	23.2	25.5	409.6	19.8	11.8	27.0	0.2	13.6	382.5	19.6	2.5	43.6	59.1	33.4	22.1	-59.1	0.0	0.0	0.0
300+00.00	301+00.00	100.00	30.9	1179.4	36.8	26.3	1002.5	31.3	135.4	73.2	5.0	-109.2	929.3	26.3	20.7	133.9	180.8	94.2	69.9	-180.8	0.0	0.0	0.0
301+00.00	302+00.00	100.00	0.0	730.4	17.5	0.0	620.8	14.8	352.8	152.8	9.8	-352.8	468.0	5.0	30.8	133.7	180.8	90.9	74.3	-180.8	0.0	0.0	0.0
302+00.00	303+00.00	100.00	0.0	286.6	5.7	0.0	243.6	4.8	550.4	213.0	20.0	-550.4	30.6	-15.1	35.8	87.9	171.0	87.3	58.6	-171.0	0.0	0.0	0.0

MODEL: Default
FILE NAME: pw:\\patrick-pw.bentley.com:patrick-pw-07\Documents\IDOT\22177.01\12_Design\12.3_CADD\SHEETS\C1-SHT-SCHEDULE-01.dgn

PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY SCHEDULE OF QUANTITIES ILLINOIS ROUTE 31	
	DRAWN - BAW	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: NTS SHEET 3 OF 17 SHEETS STA. TO STA.	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	39
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
IL ROUTE 31																							
303+00.00	304+00.00	100.00	0.0	54.5	2.4	0.0	46.3	2.0	586.8	157.1	31.7	-586.8	-110.8	-29.7	36.4	43.3	135.3	83.5	41.6	-135.3	0.0	0.0	0.0
304+00.00	304+80.00	80.00	0.0	62.3	2.4	0.0	52.9	2.0	282.5	72.4	15.8	-282.5	-19.5	-13.8	23.0	32.8	65.2	69.8	41.2	-65.2	0.0	0.0	0.0
304+80.00	305+00.00	20.00	0.0	15.4	0.7	0.0	13.1	0.6	67.3	16.1	2.7	-67.3	-2.9	-2.1	5.5	8.3	9.2	16.9	10.8	-9.2	0.0	0.0	0.0
305+00.00	306+00.00	100.00	36.6	86.8	27.1	31.1	73.8	23.0	445.3	107.3	10.6	-414.2	-33.5	12.4	38.7	45.0	30.8	75.7	49.5	-30.8	0.0	0.0	0.0
306+00.00	307+00.00	100.00	66.2	70.4	58.8	56.3	59.9	50.0	337.4	108.1	0.0	-281.1	-48.2	50.0	38.9	22.6	23.6	74.7	25.2	-23.6	0.0	0.0	0.0
307+00.00	308+00.00	100.00	44.0	60.3	57.9	37.4	51.2	49.2	317.0	106.8	0.0	-279.6	-55.6	49.2	17.5	19.0	11.8	97.8	30.3	-11.8	0.0	0.0	0.0
308+00.00	309+00.00	100.00	16.5	109.6	24.3	14.0	93.1	20.7	355.5	132.2	7.7	-341.4	-39.1	13.0	15.1	43.2	11.9	91.2	60.0	-11.9	0.0	0.0	0.0
309+00.00	309+64.48	64.48	1.7	43.0	0.0	1.4	36.5	0.0	261.0	171.5	22.3	-259.6	-134.9	-22.3	19.4	15.6	15.4	159.4	101.4	119.3	119.8	82.2	134.6
309+64.48	310+00.00	35.52	0.2	13.9	0.0	0.1	11.8	0.0	138.4	105.7	21.8	-138.2	-93.9	-21.8	10.7	0.0	8.5	88.6	61.1	56.3	66.5	41.7	64.8
310+00.00	311+00.00	100.00	0.0	94.5	0.0	0.0	80.3	0.0	286.3	221.3	91.0	-286.3	-141.0	-91.0	24.1	24.0	57.6	271.1	221.8	100.0	211.5	133.4	157.6
311+00.00	312+12.99	112.99	6.2	69.8	0.0	5.3	59.4	0.0	175.0	186.4	141.7	-169.7	-127.1	-141.7	17.6	27.1	153.8	318.0	213.8	-2.0	257.2	138.7	151.8
312+12.99	313+00.00	87.01	12.0	65.6	0.0	10.2	55.8	0.0	92.9	102.7	110.2	-82.8	-46.9	-110.2	12.7	20.2	157.3	255.7	171.6	-36.3	210.9	111.6	121.1
313+00.00	313+64.60	64.60	5.3	88.4	0.0	4.5	75.1	0.0	115.0	75.5	69.8	-110.5	-0.4	-69.8	5.2	30.7	121.8	203.4	153.5	-9.2	153.2	105.8	112.6
313+64.60	314+00.00	35.40	0.0	45.2	0.0	0.0	38.4	0.0	79.9	39.8	32.1	-79.9	-1.4	-32.1	3.9	16.5	66.7	111.1	88.4	1.2	83.6	62.7	67.9
314+00.00	315+00.00	100.00	0.0	78.6	0.0	0.0	66.8	0.0	208.8	151.4	79.4	-208.8	-84.6	-79.4	22.1	42.7	181.0	281.2	241.7	3.9	230.4	171.9	184.8
315+00.00	316+02.85	102.85	1.0	43.8	0.0	0.9	37.2	0.0	240.0	225.1	83.8	-239.1	-187.9	-83.8	11.3	42.5	186.4	275.7	237.5	1.4	185.6	166.4	187.8
316+02.85	317+17.72	114.87	1.7	45.1	0.0	1.4	38.3	0.0	364.4	284.8	90.4	-362.9	-246.5	-90.4	0.0	47.5	208.2	298.1	261.9	5.8	154.9	184.0	214.0
317+17.72	318+00.00	82.28	0.7	29.8	0.0	0.6	25.3	0.0	345.3	232.6	127.5	-344.7	-207.3	-127.5	0.0	34.9	149.2	221.3	179.2	-5.2	112.0	124.5	144.0
318+00.00	319+00.00	100.00	0.4	53.4	0.0	0.3	45.3	0.0	491.2	386.1	195.0	-490.9	-340.7	-195.0	19.3	47.5	181.4	217.8	162.6	-60.6	118.5	96.4	120.8
319+00.00	320+00.00	100.00	0.0	88.1	0.0	0.0	74.9	0.0	422.3	364.8	152.7	-422.3	-289.9	-152.7	32.4	50.6	179.3	110.7	106.9	-111.1	51.4	36.8	68.3
320+00.00	320+01.60	1.60	0.0	1.8	0.0	0.0	1.5	0.0	5.1	4.5	2.4	-5.1	-2.9	-2.4	0.4	0.8	2.8	1.2	1.3	-2.4	0.1	0.1	0.4
320+01.60	321+00.00	98.40	0.0	92.3	0.0	0.0	78.5	0.0	447.0	368.6	138.4	-447.0	-290.1	-138.4	31.0	48.5	141.4	51.4	71.4	-141.4	0.0	0.0	0.0
321+00.00	322+00.00	100.00	0.0	74.3	0.0	0.0	63.2	0.0	476.7	400.1	90.5	-476.7	-336.9	-90.5	32.7	45.6	80.2	26.8	68.6	-80.2	0.0	0.0	0.0
322+00.00	322+67.21	67.21	0.6	55.7	0.0	0.5	47.4	0.0	253.7	192.0	30.3	-253.2	-144.6	-30.3	9.6	29.3	32.9	61.7	47.7	-32.9	0.0	0.0	0.0
322+67.21	323+00.00	32.79	1.0	32.6	0.0	0.8	27.7	0.0	90.2	71.4	12.3	-89.3	-43.7	-12.3	3.2	14.1	16.1	31.2	24.4	-16.1	0.0	0.0	0.0
323+00.00	324+00.00	100.00	3.3	58.4	0.0	2.8	49.6	0.0	203.0	313.9	18.4	-200.2	-264.2	-18.4	9.6	21.4	24.5	58.5	37.2	-24.5	0.0	0.0	0.0
324+00.00	324+54.17	54.17	0.7	2.4	0.0	0.6	2.0	0.0	147.7	236.9	0.0	-147.2	-234.8	0.0	4.6	0.0	0.0	37.2	0.0	0.0	0.0	0.0	0.0
324+54.17	325+00.00	45.83	0.0	84.6	0.0	0.0	71.9	0.0	141.8	128.8	15.1	-141.8	-56.9	-15.1	7.9	11.2	11.2	24.0	19.5	-11.2	0.0	0.0	0.0
325+00.00	326+00.00	100.00	0.0	331.6	0.0	0.0	281.8	0.0	321.5	191.1	73.4	-321.5	90.8	-73.4	17.1	51.3	49.1	51.8	74.6	-49.1	0.0	0.0	0.0
326+00.00	326+36.45	36.45	0.0	113.2	0.0	0.0	96.2	0.0	140.5	95.6	29.6	-140.5	0.6	-29.6	3.1	19.8	17.9	24.8	22.9	-17.9	0.0	0.0	0.0
326+36.45	327+00.00	63.55	1.4	236.4	0.0	1.2	201.0	0.0	228.7	145.5	50.4	-227.5	55.5	-50.4	4.6	34.3	36.8	43.6	40.1	-36.8	0.0	0.0	0.0
327+00.00	328+00.00	100.00	16.4	372.1	0.0	13.9	316.2	0.0	169.7	135.7	56.1	-155.7	180.5	-56.1	8.7	49.5	99.5	51.6	63.9	-99.5	0.0	0.0	0.0
328+00.00	328+67.73	67.73	33.0	238.7	5.8	28.1	202.9	4.9	21.9	24.6	11.9	6.2	178.4	-7.0	0.9	31.3	89.5	28.9	40.1	-89.5	0.0	0.0	0.0
328+67.73	329+00.00	32.27	37.8	125.7	8.8	32.2	106.8	7.5	0.0	0.1	0.0	32.2	106.7	7.5	0.8	14.7	39.8	12.7	18.3	-39.8	0.0	0.0	0.0
329+00.00	330+03.66	103.66	216.0	535.7	47.3	183.6	455.4	40.2	0.0	0.0	0.0	183.6	455.4	40.2	2.5	47.3	84.8	52.6	64.8	-84.8	0.0	0.0	0.0
330+03.66	331+00.00	96.34	189.5	576.7	43.1	161.1	490.2	36.7	0.0	0.0	0.0	161.1	490.2	36.7	2.1	43.7	47.3	49.7	66.5	-47.3	0.0	0.0	0.0
331+00.00	332+57.77	157.77	120.1	754.2	28.2	102.1	641.0	23.9	279.5	3.0	0.0	-177.4	638.0	23.9	3.4	75.8	38.7	36.5	118.2	-38.7	0.0	0.0	0.0
332+57.77	333+31.57	73.80	3.8	257.6	0.0	3.2	219.0	0.0	206.3	6.5	8.5	-203.1	212.5	-8.5	0.0	38.1	19.3	31.4	56.4	-19.3	0.0	0.0	0.0
333+31.57	334+00.00	68.43	0.0	186.5	0.0	0.0	158.5	0.0	145.2	32.2	21.7	-145.2	126.4	-21.7	6.7	33.9	34.7	45.4	50.1	-34.7	0.0	0.0	0.0
334+00.00	334+29.26	29.26	0.2	72.9	0.0	0.1	61.9	0.0	75.8	27.3	13.3	-75.7	34.7	-13.3	2.9	14.7	14.4	22.8	21.0	-14.4	0.0	0.0	0.0
334+29.26	335+00.00	70.74	0.4	115.6	0.0	0.3	98.2	0.0	242.0	126.4	40.9	-241.6	-28.2	-40.9	8.9	33.7	34.7	54.4	49.2	-34.7	0.0	0.0	0.0
335+00.00	335+22.00	22.00	0.0	7.6	0.0	0.0	6.5	0.0	89.9	69.9	15.2	-89.9	-63.5	-15.2	5.6	4.7	11.2	10.4	21.2	-11.2	0.0	0.0	0.0
335+22.00	336+00.00	78.00	0.0	13.4	0.0	0.0	11.4	0.0	347.7	291.8	55.1	-347.7	-280.4	-55.1	18.0	15.4	40.0	36.1	75.3	-40.0	0.0	0.0	0.0
336+00.00	336+87.89	87.89	0.0	29.4	0.0	0.0	25.0	0.0	398.8	326.0	53.5	-398.8	-301.0	-53.5	9.2	35.7	43.4	18.9	59.8	-43.4	0.0	0.0	0.0
336+87.89	338+00.00	112.11	9.3	38.3	0.0	7.9	32.6	0.0	382.3	328.5	48.0	-374.4	-295.9	-48.0	15.1	45.8	55.0	16.5	76.4	-55.0	0.0	0.0	0.0
338+00.00	339+00.00	100.00	27.6	63.2	0.0	23.5	53.7	0.0	196.5	145.4	23.7	-173.0	-91.6	-23.7	27.4	37.7	49.1	32.3	73.8	-49.1	0.0	0.0	0.0
339+00.00	340+00.00	100.00	44.6	172.3	0.2	38.0	146.5	0.2	144.8	47.9	8.4	-106.8	98.5	-8.2	30.3	29.1	49.1	37.3	79.5	-49.1	0.0	0.0	0.0
340+00.00	341+00.00	100.00	92.2	261.7	3.4	78.4	222.4	2.9	143.7	7.6	0.6	-65.3	214.8	2.2	22.8	15.7	49.1	10.6	77.0	-49.1	0.0	0.0	0.0
341+00.00	342+31.99	131.99	389.8	731.5	4.2	331.3	621.8	3.6	103.1	1.4	0.0	228.2	620.4	3.6	8.5	5.7	32.4	21.4	48.8	-32.4	0.0	0.0	0.0
342+31.99	343+00.00	68.01	241.9	314.2	0.0	205.7	267.1	0.0	0.0	0.8	0.0	205.7	266.3	0.0	3.2	1.0	0.0	16.5	24.9	0.0	0.0	0.0	0.0
343+00.00	344+14.86	114.86	223.6	57.3	4.5	190.1	48.7	3.8	10.4	49.5	0.0	179.7	-0.7	3.8	20.5	1.7	28.2	57.8	49.3	-28.2	0.0	0.0	0.0
344+14.86	345+00.00	85.14	62.0	11.9	3.3	52.7	10.1	2.8	318.8	133.4	63.6	-266.2	-123.3	-60.8	21.6	4.6	44.4	44.8	29.5	-44.4	0.0	0.0	0.0
345+00.00	346+00.00	100.00	13.4	6.5	0.0	11.3	5.6	0.0	487.6	166.7	80.0	-476.2	-161.2	-80.0	27.4	10.5	88.4	53.9	57.3	-88.4	0.0	0.0	0.0
346+00.00	347+00.00	100.00	8.0	55.9	0.0	6.8	47.5	0.0	122.1	232.7	24.4	-115.3	-185.2	-24.4	15.2	42.2	151.1	27.5	82.2	-151.1	0.0	0.0	0.0
347+00.00	348+00.00	100.00	0.0	90.2	0.0	0.0	76.7	0.0	0.0	438.9	48.9	0.0	-362.2	-48.9	0.0	75.9	180.8	0.0	104.2	-180.8	0.0	0.0	0.0
348+00.00	349+00.00	100.00	0.0	67.6	0.0	0.0	57.5	0.0	0.0	544.3	103.0	0.0	-486.8	-103.0	0.0	81.1	148.0	0.0	102.9	-148.0	0.0	0.0	0.0
349+00.00	349+97.66	97.66	0.0	81.3	0.0	0.0	69.1	0.0	0.0	350.9	80.2	0.0	-281.9	-80.2	0.0	74.4	80.9	0.0	387.5	113.1	0.0	273.1	194.0
349+97.66	350+00.00	2.34	0.0	2.3	0.0	0.0	2.0	0.0	0.0	3.4	0.4	0.0	-1.4	-0.4	0.0	1.6	1.2	0.0	9.4	3.6	0.0	6.3	4.8
350+00.00	350+06.75	6.75	0.0	6.6	0.0	0.0	5.6	0.0	0.0	9.6	1.0	0.0	-4.0	-1.0	0.0	4.5	3.3	0.0	27.0	10.6	0.0	18.1	13.9
350+06.75	351+00.00	93.25	0.0	70.0	0.0	0.0	59.5	0.0	0.0	251.5	14.8	0.0	-192.0	-14.8	0.0	65.7	45.8	0.0	409.4	170.2	0.0	304.2	216.0
351+00.00	352+00.00	100.00	0.0	65.2	0.0	0.0	55.5	0.0	0.0	287.9	9.2	0.0	-232.4	-9.2	0.0	59.4	24.5	0.0	655.3	103.6	0.0	569.0	128.1
352+00.00	352+34.92	34.92	0.0	36.5	0.0	0.0	31.0	0.0	0.0	51.3	0.0	0.0	-20.3	0.0	0.0	7.4	0.0	0.0	272.4	0.0	0.0	245.1	0.0
352+34.92	353+00.00	65.08	0.0	60.2	0.0	0.0	51.2	0.0	0.0	142.7	9.2	0.0	-91.5	-9.2	0.0	17.6	16.0	0.0	265.2	-16.0	0.0	210.3	0.0
353+00.00	354+00.00	100.00	53.4	39.6	0.0	45.4	33.7	0.0	94.0	300.5	41.6	-48.6	-266.8	-41.6	25.0	41.3	49.1	33.2	59.9	-49.1	0.0	0.0	0.0
354+00.00	355+00.00	100.00	64.5	21.8	0.0	54.8	18.6	0.0	189.7	184.4	70.8	-134.9	-165.8	-70.8	40.2	27.5	55.2	62.7	30.5	-55.2	0.0	0.0	0.0
355+00.00	356+10.10	110.10	17.0	81.4	0.0	14.5	69.2	0.0	216.7	167.8	77.8	-202.2	-98.6	-77.8	16.8	36.8	66.9	32.6	37.0	-66.9	0.0	0.0	0.0
356+10.10	357+00.00	89.90	3.9	104.0	0.0	3.3	88.4	0.0	174.6	172.3	42.8	-171.2	-83.9	-42.8	4.8	33.5	49.2	24.7	33.2	-49.2	0.0	0.0	0.0
357+00.00	358+00.00	100.00	2.0	68.0	0.0	1.7	57.8	0.0	200.6	134.5	31.8	-198.9	-76.7	-31.8	14.2	31.3	49.1	349.6	189.4	37.8	293.9	159.6	86.9
358+00.00	358+80.01	80.01	16.1	19.4	0.0	13.7	16.5	0.0	168.1	89.6	10.5	-154.4	-73.1	-10.5	22.8	11.4	19.6	261.4	217.9	71.6	213.1	208.5	91.2
358+80.01	359+17.40	37.39	17.8	5.6	0.0	15.2	4.7	0.0	77.1	47.2	1.2	-62.0	-42.5	-1.2	15.0	0.0	0.0	109.3	130.2	43.7	85.1	130.2	43.7
359+17.40	360+00.00	82.60	61.7	27.2	20.1	52.4	23.1	17.1	162.6	54.9	1.4	-110.1	-31.8	15.7	35.4	4.5	74.9	156.4	152.3	-33.0	101.8	144.3	41.9

MODEL: Default
FILE NAME: pw:\\patrick-pw.bentley.com:patrick-pw-07\Documents\IDOT\22177.01\12_Design\12.3_CADD\SHEETS\C1-SHT-SCHEDULE-01.dgn

PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 4 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	40
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
IL ROUTE 31																							
360+00.00	361+00.00	100.00	113.7	78.8	71.3	96.7	67.0	60.6	156.7	34.3	0.0	-60.1	32.7	60.6	43.1	18.7	181.4	64.6	21.5	-181.4	0.0	0.0	0.0
361+00.00	362+00.00	100.00	164.5	141.2	120.4	139.8	120.0	102.3	138.1	312.2	141.6	1.7	-192.2	-39.3	43.4	27.0	181.4	64.1	28.6	-181.4	0.0	0.0	0.0
362+00.00	363+00.00	100.00	268.5	212.3	173.5	228.2	180.5	147.5	74.4	283.9	141.6	153.8	-103.4	5.8	44.3	28.0	181.4	65.2	37.1	-181.4	0.0	0.0	0.0
363+00.00	364+00.00	100.00	439.5	362.1	214.1	373.6	307.8	182.0	0.0	4.4	0.0	373.6	303.4	182.0	42.7	34.7	181.4	64.9	43.0	-181.4	0.0	0.0	0.0
364+00.00	365+00.00	100.00	684.4	529.6	202.9	581.7	450.2	172.5	0.0	0.0	0.0	581.7	450.2	172.5	46.6	37.8	149.1	71.4	44.2	-149.1	0.0	0.0	0.0
365+00.00	366+00.00	100.00	1012.1	598.6	139.5	860.3	508.8	118.6	0.0	0.0	0.0	860.3	508.8	118.6	53.2	35.1	84.8	82.6	47.8	-84.8	0.0	0.0	0.0
366+00.00	367+00.00	100.00	1146.2	611.4	92.5	974.3	519.7	78.6	0.0	0.0	0.0	974.3	519.7	78.6	55.0	37.5	51.0	85.0	52.5	-51.0	0.0	0.0	0.0
367+00.00	368+53.84	153.84	1117.4	986.0	64.2	949.8	838.1	54.6	0.0	0.0	0.0	949.8	838.1	54.6	49.3	30.5	37.8	118.7	40.4	-37.8	0.0	0.0	0.0
368+53.84	368+92.22	38.38	117.3	184.3	0.0	99.7	156.6	0.0	0.0	0.0	0.0	99.7	156.6	0.0	1.8	4.5	0.0	32.0	7.6	0.0	0.0	0.0	0.0
368+92.22	369+00.00	7.78	18.7	24.3	0.0	15.9	20.6	0.0	7.8	18.7	0.0	8.0	1.9	0.0	0.4	2.1	0.0	6.4	3.1	0.0	0.0	0.0	0.0
369+00.00	370+00.00	100.00	117.8	234.7	4.7	100.1	199.5	4.0	467.4	354.1	0.0	-367.2	-154.6	4.0	29.7	34.9	24.5	82.3	38.3	-24.5	0.0	0.0	0.0
370+00.00	370+73.90	73.90	23.5	90.4	4.4	20.0	76.8	3.7	603.3	266.2	2.6	-583.3	-189.4	1.1	39.3	35.0	36.3	71.8	30.7	-36.3	0.0	0.0	0.0
370+73.90	371+00.00	26.10	10.4	25.6	0.9	8.8	21.8	0.8	228.7	127.1	2.0	-219.8	-105.3	-1.2	14.5	14.5	12.9	25.2	12.4	-12.9	0.0	0.0	0.0
371+00.00	372+00.00	100.00	48.2	57.7	2.4	41.0	49.1	2.0	601.6	321.9	9.3	-560.7	-272.8	-7.3	51.5	45.2	50.4	94.8	37.9	-50.4	0.0	0.0	0.0
372+00.00	372+44.59	44.59	16.0	12.4	0.0	13.6	10.5	0.0	131.6	47.5	4.2	-118.0	-37.0	-4.2	10.9	9.9	22.6	51.9	8.7	-22.6	0.0	0.0	0.0
372+44.59	372+73.17	28.58	4.2	6.7	0.0	3.6	5.7	0.0	53.4	10.6	2.7	-49.8	-4.9	-2.7	0.0	2.1	14.3	39.7	3.6	-14.3	0.0	0.0	0.0
372+73.17	373+00.00	26.83	8.1	5.7	0.0	6.9	4.8	0.0	35.5	7.8	2.9	-28.6	-3.0	-2.9	4.1	6.3	13.3	31.1	6.1	-13.3	0.0	0.0	0.0
373+00.00	374+00.00	100.00	111.6	37.7	0.0	94.9	32.1	0.0	238.0	215.8	5.8	-143.2	-183.7	-5.8	30.5	42.7	49.1	91.7	28.3	-49.1	0.0	0.0	0.0
374+00.00	375+00.00	100.00	148.6	26.1	0.0	126.3	22.2	0.0	204.8	259.6	0.0	-78.4	-237.4	0.0	24.9	21.4	24.5	86.5	12.6	-24.5	0.0	0.0	0.0
375+00.00	375+31.88	31.88	29.7	0.0	0.0	25.2	0.0	0.0	28.8	46.5	0.0	-3.5	-46.5	0.0	3.1	1.1	0.0	111.4	101.4	0.0	98.4	102.5	0.0
375+31.88	376+00.00	68.12	102.9	22.6	0.0	87.4	19.2	0.0	45.2	87.8	9.8	42.2	-68.6	-9.8	2.2	12.1	16.7	219.1	237.2	15.3	191.1	237.3	32.0
376+00.00	377+00.00	100.00	239.9	162.1	2.5	203.9	137.7	2.1	72.1	322.5	67.0	131.8	-184.7	-64.9	20.8	43.1	49.1	322.2	372.3	49.3	241.6	361.5	98.3
377+00.00	378+00.00	100.00	230.2	393.4	5.3	195.6	334.4	4.5	69.6	307.3	58.9	126.1	27.1	-54.4	31.3	60.9	54.3	184.7	198.8	-2.9	106.9	180.6	51.4
378+00.00	379+00.00	100.00	235.5	425.6	3.0	200.2	361.8	2.6	5.5	52.3	11.1	194.7	309.5	-8.6	32.3	59.9	90.2	75.5	20.6	-90.2	0.0	0.0	0.0
379+00.00	380+00.00	100.00	252.2	248.4	11.8	214.4	211.1	10.1	0.8	52.3	5.8	213.6	158.8	4.3	35.8	55.2	148.7	70.1	22.8	-148.7	0.0	0.0	0.0
380+00.00	380+74.89	74.89	144.8	84.4	22.5	123.0	71.7	19.1	0.6	75.6	0.7	122.5	-3.9	18.5	12.9	20.5	134.0	55.0	9.6	-134.0	0.0	0.0	0.0
380+74.89	380+92.77	17.88	23.8	9.1	7.0	20.2	7.7	5.9	0.3	30.1	0.0	20.0	-22.4	5.9	2.1	0.0	32.4	11.9	0.0	-32.4	0.0	0.0	0.0
380+92.77	382+16.29	123.52	171.0	62.4	62.1	145.4	53.0	52.8	1.9	138.1	0.0	143.4	-85.1	52.8	14.5	13.4	224.0	111.6	7.9	-224.0	0.0	0.0	0.0
382+16.29	383+00.00	83.71	145.7	37.7	51.7	123.9	32.1	43.9	0.0	24.7	0.0	123.9	7.3	43.9	13.4	18.1	151.5	68.3	11.5	-151.5	0.0	0.0	0.0
383+00.00	384+00.00	100.00	253.0	41.8	56.8	215.0	35.6	48.2	0.0	25.7	0.0	215.0	9.8	48.2	33.4	23.6	155.3	33.1	16.7	-155.3	0.0	0.0	0.0
384+00.00	384+73.10	73.10	190.9	32.0	32.4	162.2	27.2	27.5	0.0	24.9	0.0	162.2	2.3	27.5	12.7	20.6	82.4	276.4	171.2	53.1	240.0	156.2	135.4
384+73.10	385+00.00	26.90	49.4	14.2	9.9	42.0	12.0	8.4	0.0	11.9	0.0	42.0	0.1	8.4	1.8	9.0	24.1	107.0	56.4	13.3	94.9	50.0	37.4
385+00.00	386+00.00	100.00	93.4	30.7	17.0	79.4	26.1	14.5	0.7	21.5	0.0	78.7	4.7	14.5	12.4	23.5	41.8	198.5	106.9	20.5	176.8	86.6	62.2
386+00.00	387+00.00	100.00	26.6	0.0	0.0	22.6	0.0	0.0	0.7	2.6	0.0	21.9	-2.6	0.0	5.8	10.1	0.0	31.5	14.9	0.0	0.0	0.0	0.0
387+00.00	387+06.57	6.57	1.6	0.0	0.0	1.4	0.0	0.0	0.0	0.3	0.0	1.4	-0.3	0.0	0.0	0.6	0.0	2.8	1.0	0.0	0.0	0.0	0.0
387+06.57	387+94.58	88.01	11.5	15.5	0.0	9.8	13.2	0.0	1.6	2.3	0.0	8.2	10.9	0.0	0.0	4.2	0.0	31.5	31.5	0.0	0.0	0.0	0.0
387+94.58	388+00.00	5.42	0.0	2.0	0.0	0.0	1.7	0.0	0.2	1.0	0.0	-0.2	0.7	0.0	0.0	0.0	0.0	1.6	3.1	0.0	0.0	0.0	0.0
388+00.00	389+00.00	100.00	0.9	18.7	0.0	0.8	15.9	0.0	8.9	29.3	0.0	-8.1	-13.4	0.0	6.1	6.2	0.0	25.6	36.4	0.0	0.0	0.0	0.0
389+00.00	389+34.80	34.80	2.1	0.0	0.0	1.8	0.0	0.0	2.4	9.2	0.0	-0.6	-9.2	0.0	2.1	4.7	0.0	9.8	5.9	0.0	0.0	0.0	0.0
389+34.80	390+00.00	65.20	4.0	0.0	0.0	3.4	0.0	0.0	5.7	21.4	0.0	-2.3	-21.4	0.0	3.4	4.8	0.0	18.1	16.7	0.0	0.0	0.0	0.0
390+00.00	391+00.00	100.00	3.5	0.0	0.0	2.9	0.0	0.0	9.8	21.7	0.0	-6.9	-21.7	0.0	6.7	1.4	0.0	18.2	29.1	0.0	0.0	0.0	0.0
SUBTOTAL			61365.7	76895.2	7548.3	52160.9	65361.0	6416.1	78432.6	53632.7	13781.2	-26271.7	11728.3	-7365.1	7800.8	11931.0	23103.8	25839.4	21265.4	-18001.6	5886.5	8342.4	5102.1

MODEL: Default
FILE NAME: pw:\\stateftcxc-pw.bentley.com:pairf-tcxc-pw-07\Documents\IDOT\221770.01\12 Design\12-3 CADD\SHEETS\CT-SHT-SCHEDULE-01.dgn

PATRICK a RJH company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 5 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	41
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
HALF MILE ROAD																							
38+00.00	39+00.00	100.00	0.0	7.4	0.0	0.0	6.3	0.0	0.0	5.9	0.0	0.0	0.4	0.0	0.0	1.3	0.0	0.0	122.2	0.0	0.0	111.9	0.0
39+00.00	40+00.00	100.00	0.0	137.3	0.0	0.0	116.7	0.0	0.0	5.9	0.0	0.0	110.8	0.0	0.0	19.8	0.0	0.0	264.8	0.0	0.0	235.2	0.0
40+00.00	41+00.00	100.00	0.0	362.6	0.0	0.0	308.2	0.0	0.0	0.0	0.0	0.0	308.2	0.0	0.0	44.3	0.0	0.0	165.8	0.0	0.0	123.4	0.0
41+00.00	42+00.00	100.00	0.0	379.5	0.0	0.0	322.6	0.0	0.0	0.0	0.0	0.0	322.6	0.0	0.0	46.4	0.0	0.0	46.6	0.0	0.0	0.0	0.0
42+00.00	43+00.00	100.00	0.0	255.8	0.0	0.0	217.5	0.0	0.0	3.3	0.0	0.0	214.2	0.0	0.0	43.5	0.0	0.0	209.6	0.0	0.0	160.7	0.0
43+00.00	44+00.00	100.00	0.0	209.2	0.0	0.0	177.8	0.0	0.0	9.6	0.0	0.0	168.2	0.0	0.0	43.4	0.0	0.0	379.0	0.0	0.0	332.0	0.0
44+00.00	45+00.00	100.00	0.0	418.2	0.0	0.0	355.4	0.0	0.0	6.4	0.0	0.0	349.1	0.0	0.0	33.6	0.0	0.0	367.6	0.0	0.0	344.2	0.0
45+00.00	46+00.00	100.00	0.0	537.8	0.0	0.0	457.1	0.0	0.0	0.0	0.0	0.0	457.1	0.0	0.0	26.3	0.0	0.0	192.4	0.0	0.0	172.9	0.0
46+00.00	47+05.00	105.00	0.0	514.0	0.0	0.0	436.9	0.0	0.0	0.0	0.0	0.0	436.9	0.0	0.0	26.0	0.0	0.0	33.4	0.0	0.0	0.0	0.0
47+05.00	48+00.00	95.00	0.0	539.9	0.0	0.0	458.9	0.0	0.0	0.0	0.0	0.0	458.9	0.0	0.0	23.7	0.0	0.0	36.6	0.0	0.0	0.0	0.0
48+00.00	49+00.00	100.00	0.0	424.7	0.0	0.0	361.0	0.0	0.0	138.1	0.0	0.0	222.9	0.0	0.0	20.7	0.0	0.0	48.5	0.0	0.0	0.0	0.0
SUBTOTAL			0.0	3786.4	0.0	0.0	3218.5	0.0	0.0	169.1	0.0	0.0	3049.4	0.0	0.0	328.9	0.0	0.0	1866.6	0.0	0.0	1480.2	0.0

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
EDGEWOOD ROAD																							
04+00.00	05+00.00	100.00	0.0	24.5	0.0	0.0	20.8	0.0	0.0	40.2	0.0	0.0	-19.4	0.0	0.0	12.4	0.0	0.0	14.0	0.0	0.0	0.0	0.0
05+00.00	06+00.00	100.00	0.0	16.9	0.0	0.0	14.4	0.0	0.0	94.0	0.0	0.0	-79.6	0.0	0.0	30.2	0.0	0.0	34.0	0.0	0.0	0.0	0.0
06+00.00	07+00.00	100.00	0.0	20.0	0.0	0.0	17.0	0.0	0.0	91.6	0.0	0.0	-74.6	0.0	0.0	29.4	0.0	0.0	54.6	0.0	0.0	0.0	0.0
07+00.00	08+00.00	100.00	0.0	98.5	0.0	0.0	83.7	0.0	0.0	40.4	0.0	0.0	43.3	0.0	0.0	25.4	0.0	0.0	52.1	0.0	0.0	0.0	0.0
08+00.00	09+00.00	100.00	0.0	357.5	0.0	0.0	303.9	0.0	0.0	12.1	0.0	0.0	291.8	0.0	0.0	33.6	0.0	0.0	36.3	0.0	0.0	0.0	0.0
SUBTOTAL			0.0	517.5	0.0	0.0	439.9	0.0	0.0	278.4	0.0	0.0	161.5	0.0	0.0	131.1	0.0	0.0	191.1	0.0	0.0	0.0	0.0

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
PRIME PARKWAY																							
11+00.00	12+27.29	127.29	103.8	0.0	0.0	88.2	0.0	0.0	113.3	0.0	0.0	-25.1	0.0	0.0	2.3	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0
12+27.29	13+00.00	72.71	55.6	0.0	0.0	47.2	0.0	0.0	64.7	0.0	0.0	-17.5	0.0	0.0	2.2	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0
13+00.00	14+00.00	100.00	70.9	0.0	0.0	60.3	0.0	0.0	4.1	0.0	0.0	56.2	0.0	0.0	4.8	0.0	0.0	20.6	0.0	0.0	0.0	0.0	0.0
14+00.00	15+00.00	100.00	93.9	0.0	0.0	79.8	0.0	0.0	12.2	0.0	0.0	67.6	0.0	0.0	1.8	0.0	0.0	15.5	0.0	0.0	0.0	0.0	0.0
15+00.00	18+82.08	382.08	136.7	0.0	0.0	116.2	0.0	0.0	32.5	0.0	0.0	83.7	0.0	0.0	1.3	0.0	0.0	17.8	0.0	0.0	0.0	0.0	0.0
15+82.08	16+00.00	17.92	41.3	0.0	0.0	35.1	0.0	0.0	8.8	0.0	0.0	26.4	0.0	0.0	1.1	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0
16+00.00	17+00.00	100.00	324.9	0.0	0.0	276.2	0.0	0.0	18.5	0.0	0.0	257.7	0.0	0.0	11.5	0.0	0.0	33.7	0.0	0.0	0.0	0.0	0.0
17+00.00	18+00.00	100.00	403.1	0.0	0.0	342.7	0.0	0.0	201.6	0.0	0.0	141.0	0.0	0.0	11.3	0.0	0.0	24.1	0.0	0.0	0.0	0.0	0.0
SUBTOTAL			1230.3	0.0	0.0	1045.8	0.0	0.0	455.8	0.0	0.0	589.9	0.0	0.0	36.3	0.0	0.0	132.1	0.0	0.0	0.0	0.0	0.0

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
ALBANY STREET																							
11+00.00	12+00.00	100.00	0.0	544.0	0.0	0.0	462.4	0.0	0.0	0.0	0.0	0.0	462.4	0.0	0.0	18.2	0.0	0.0	47.0	0.0	0.0	0.0	0.0
12+00.00	12+23.42	23.42	0.0	135.0	0.0	0.0	114.8	0.0	0.0	0.0	0.0	0.0	114.8	0.0	0.0	2.9	0.0	0.0	8.6	0.0	0.0	0.0	0.0
12+23.42	13+00.00	76.58	0.0	342.6	0.0	0.0	291.2	0.0	0.0	0.0	0.0	0.0	291.2	0.0	0.0	4.6	0.0	0.0	24.1	0.0	0.0	0.0	0.0
13+00.00	13+66.91	66.91	0.0	164.3	0.0	0.0	139.7	0.0	0.0	5.0	0.0	0.0	134.7	0.0	0.0	2.2	0.0	0.0	32.5	0.0	0.0	0.0	0.0
13+66.91	14+00.00	33.09	0.0	61.8	0.0	0.0	52.6	0.0	0.0	6.6	0.0	0.0	46.0	0.0	0.0	5.2	0.0	0.0	12.5	0.0	0.0	0.0	0.0
14+00.00	15+00.00	100.00	0.0	112.2	0.0	0.0	95.4	0.0	0.0	34.4	0.0	0.0	61.0	0.0	0.0	29.0	0.0	0.0	17.2	0.0	0.0	0.0	0.0
SUBTOTAL			0.0	1360.0	0.0	0.0	1156.0	0.0	0.0	45.9	0.0	0.0	1110.1	0.0	0.0	62.1	0.0	0.0	141.9	0.0	0.0	0.0	0.0

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PATRICK a WSP company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 6 OF 17 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	42
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION		LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
SHAMROCK LANE																							
10+00.00	10+77.78	77.78	0.0	36.0	0.0	0.0	30.6	0.0	0.0	11.5	0.0	0.0	19.1	0.0	0.0	5.8	0.0	0.0	9.2	0.0	0.0	0.0	0.0
10+77.78	11+00.00	22.22	0.0	22.1	0.0	0.0	18.8	0.0	0.0	5.1	0.0	0.0	13.7	0.0	0.0	1.9	0.0	0.0	3.9	0.0	0.0	0.0	0.0
11+00.00	12+00.00	100.00	0.0	215.6	0.0	0.0	183.3	0.0	0.0	8.0	0.0	0.0	175.2	0.0	0.0	8.9	0.0	0.0	26.0	0.0	0.0	0.0	0.0
12+00.00	13+00.00	100.00	0.0	470.6	0.0	0.0	400.0	0.0	0.0	0.0	0.0	0.0	400.0	0.0	0.0	21.9	0.0	0.0	44.5	0.0	0.0	0.0	0.0
SUBTOTAL			0.0	744.4	0.0	0.0	632.7	0.0	0.0	24.7	0.0	0.0	608.1	0.0	0.0	38.5	0.0	0.0	83.6	0.0	0.0	0.0	0.0

EARTHWORK VOLUME (CU YD)																							
STATION TO STATION	LENGTH	EARTH EXCAVATION (SUITABLE CUT)			EARTH EXCAVATION (15% S.F.) USED FOR EMBANKMENT			EMBANKMENT (SUITABLE FILL)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			TOPSOIL EXCAVATION AND PLACEMENT			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL*			AGGREGATE SUBGRADE IMPROVEMENT		
		STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
SUBTOTAL BY STAGE		62596.0	83303.6	7548.3	53206.6	70808.0	6416.1	78888.4	54150.7	13781.2	-25681.8	16657.4	-7365.1	7837.2	12491.7	23103.8	25971.5	23548.5	-18001.6	5886.5	9822.6	5102.1
TOTAL BY PAY ITEM		153447.9			130430.7			146820.2			-16389.6			43432.6			31518.4			20811.2		

*UNSUITABLE MATERIAL INCLUDES EXCESS TOPSOIL AND MATERIAL REMOVED WITHIN UNDERCUTS

PAY ITEM NO.	DESIGNATION	TOTAL (CU YD)
20200100	EARTH EXCAVATION	153450
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	31520
20400800	FURNISHED EXCAVATION	16390
21101505	TOPSOIL EXCAVATION AND PLACEMENT	43435
30300001	AGGREGATE SUBGRADE IMPROVEMENT	20815

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**ROADWAY SCHEDULE OF QUANTITIES**
	DRAWN - BAW	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -		
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

SCALE: NTS | SHEET 7 OF 17 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	43
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SHARED-USE PATH								
FROM STA	TO STA	LT/RT	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	SUBBASE GRANULAR MATERIAL, TYPE B 6"	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	DETECTABLE WARNINGS
			TON	TON	SQ YD	POUND	POUND	SQ FT
IL-31								
122+72	137+67	RT	95	158	1126	2534	253	33
138+27	152+77	RT	94	157	1124	2529	253	65
153+50	162+86	RT	70	116	828	1863	186	43
163+50	190+80	RT	201	336	2398	5396	540	56
191+59	210+69	RT	142	236	1686	3794	379	35
210+95	239+14	RT	210	350	2501	5627	563	27
239+76	278+76	RT	360	599	4281	9633	963	100
279+38	306+72	RT	245	409	2918	6566	657	52
307+29	323+89	RT	144	241	1719	3869	387	36
324+74	341+78	RT	163	271	1937	4359	436	69
342+66	368+73	RT	231	385	2753	6195	620	200
368+84	391+04	RT	160	266	1901	4277	428	67
TOTAL			2,115	3,525	25,175	56,643	5,665	782

SIDEWALK					
FROM STA	TO STA	LT/RT	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SUBBASE GRANULAR MATERIAL, TYPE B 6"	DETECTABLE WARNINGS
			SQ FT	SQ YD	SQ FT
IL-31					
125+67	137+61	LT	7210	801	170
138+23	163+01	LT	10452	1161	91
163+42	182+94	LT	9178	1020	78
183+25	206+43	LT	11025	1225	28
207+44	239+22	LT	17828	1981	27
239+68	252+30	LT	5918	658	32
253+09	279+53	LT	13878	1542	17
279+77	299+48	LT	9712	1079	0
299+87	326+15	LT	12083	1343	0
326+55	341+84	LT	7215	802	200
342+79	367+82	LT	12612	1401	140
368+59	391+06	LT	15690	1743	92
TOTAL			132,800	14,756	876

CONCRETE MEDIAN, TYPE SB-6.24		
FROM STA	TO STA	QUANTITY
		SQ FT
IL-31		
203+25	*206+35*	*1,872*
289+84	*291+74*	*1,497*
292+83	*294+76*	*1,511*
TOTAL		4,881

PAVEMENT						
FROM STA	TO STA	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"	AGGREGATE SUBGRADE IMPROVEMENT, 12"
		SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
IL-31						
138+04	139+00	768	0	0	0	768
139+00	152+00	9818	0	0	0	9818
152+00	165+00	9274	0	0	0	9274
165+00	190+00	15158	0	0	0	15158
190+00	203+00	8120	0	0	0	8120
203+00	242+00	25156	0	0	0	25156
242+00	255+00	8622	0	0	0	8622
255+00	281+00	16012	0	0	0	16012
281+00	306+00	14791	0	0	0	14791
306+00	333+00	18261	0	0	0	18261
333+00	346+00	11405	0	0	0	11405
346+00	373+00	18405	0	0	0	18405
373+00	385+44	8375	0	0	0	8375
HALF-MILE TRAIL						
38+08	48+94	0	0	5222	0	5222
EDGEWOOD ROAD						
3+96	8+92	0	1857	0	0	1857
SHAMROCK LANE						
10+25	12+67	0	889	0	0	889
RIVER BIRCH BOULEVARD						
152+90	153+46	0	263	0	0	263
DRAKE DRIVE						
162+98	163+37	0	237	0	0	237
SHADY OAKS LANE						
170+82	171+10	0	179	0	0	179
OAK CREST ROAD						
176+61	176+81	0	82	0	0	82
BRIGHTON LANE						
190+92	191+52	0	223	0	0	223
AMES ROAD						
239+27	239+58	0	136	0	0	136
VETERANS PARKWAY						
323+95	324+66	0	273	0	0	273
HI-POINT ROAD						
331+99	332+26	0	139	0	0	139
DAYTON STREET						
352+18	352+50	0	116	0	0	116
PRIME PARKWAY						
341+94	342+61	0	0	0	3990	3990
ALBANY STREET						
341+96	342+56	0	0	0	1784	1784
TOTAL		164,167	4,394	5,222	5,774	179,556

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PATRICK a WJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 8 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	44
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PAVEMENT REMOVAL		
FROM STA	TO STA	QUANTITY
		SQ YD
IL-31		
127+17	*172+00*	25,652
172+00	*192+00*	7,528
192+00	*281+00*	30,124
281+00	*294+00*	3,277
294+00	*319+00*	6,344
319+00	*346+00*	13,667
346+00	*373+00*	12,659
373+00	*385+44*	7,761
HALF MILE TRAIL		
38+08.00	*49+82.00*	*4,927*
EDGEWOOD ROAD		
3+95.68	*9+67.99*	1,575
PRIME PARKWAY		
10+80.00	*19+21.62*	3,603
WEST ALBANY STREET		
10+24.33	*15+00.00*	1,540
WEST SHAMROCK LANE		
10+25.00	*13+85.06*	1,197
	TOTAL	**119,854**

SIDEWALK REMOVAL			
FROM STA	TO STA	[LT/RT]	QUANTITY
			SQ FT
IL-31			
134+08	137+62	LT	1,713
138+22	138+60	LT	194
141+74	142+64	LT	455
144+55	144+74	LT	94
155+48	158+17	LT	1,062
320+42	323+80	RT	2,369
324+79	-	RT	879
375+20	-	RT	333
375+83	-	RT	183
		TOTAL	**7,282**

MEDIAN REMOVAL			
FROM STA	TO STA	LT/RT	QUANTITY
			SQ FT
IL-31			
127+68	128+96	LT/RT	1,914
		TOTAL	**1,914**

DRIVEWAY PAVEMENT REMOVAL		
STATION	[LT/RT]	QUANTITY
		SQ YD
IL-31		
126+61	LT	59
126+97	RT	163
127+91	RT	109
129+45	RT	252
131+00	RT	116
134+24	RT	70
139+51	RT	584
140+44	RT	541
141+18	RT	205
142+20	LT	202
144+74	RT	1,112
147+66	RT	64
155+38	LT	188
163+21	LT	320
175+02	LT	325
179+97	RT	48
183+17	LT	130
187+35	LT	131
196+51	LT	23
198+58	LT	96
199+05	RT	71
210+94	RT	174
218+85	LT	24
219+86	LT	24
220+49	LT	58
235+63	LT	59
239+73	LT	134
241+99	LT	54
243+53	RT	58
245+39	LT	47
246+85	LT	155
248+93	LT	75
250+44	LT	47
275+96	RT	48
277+78	RT	27
279+39	LT	211
299+82	LT	45
307+02	RT	278
309+25	RT	328
312+18	RT	45
313+50	LT	43
316+62	LT	1,129
319+55	LT	79
321+01	LT	58
322+17	LT	52
322+83	LT	619

DRIVEWAY PAVEMENT REMOVAL		
STATION	[LT/RT]	QUANTITY
		SQ YD
324+00	LT	502
326+37	LT	176
329+41	LT	462
331+92	LT	74
333+21	LT	69
334+40	LT	28
335+37	RT	92
336+94	LT	374
344+75	RT	483
352+36	LT	79
356+05	RT	269
358+94	LT	578
368+87	RT	30
372+40	RT	249
373+70	RT	122
375+03	LT	38
382+10	RT	356
384+70	RT	135
West Shamrock Lane		
10+78	LT	67
11+00	RT	126
West Albany Street		
12+23	LT	*235*
13+63	RT	*155*
Prime Parkway		
15+03	RT	134
15+82	LT	113
Edgewood Road		
7+05	RT	42
	TOTAL	**13,447**

COMBINATION CURB AND GUTTER REMOVAL				
FROM STA	OFFSET	TO STA	OFFSET	QUANTITY
				FOOT
IL-31				
138+09	110 LT	138+38	36 LT	86
138+11	62 RT	139+34	50 RT	151
141+13	41 LT	141+99	88 LT	128
141+96	31 LT	142+38	31 LT	129
142+34	88 LT	144+42	42 LT	246
150+47	43 RT	152+90	132 RT	315
153+47	147 RT	162+98	80 RT	1,068
155+63	25 LT	162+27	25 LT	672
162+28	25 LT	163+02	40 LT	97
163+39	40 LT	170+37	9 LT	710
163+37	72 RT	171+32	38 RT	817
190+92	103 RT	190+96	142 RT	39
191+18	69 RT	191+28	69 RT	144
191+51	141 RT	191+54	102 RT	39
218+30	4 LT/RT	226+77	4 LT/RT	788
221+04	49 LT	227+20	41 LT	617
241+67	42 LT	241+82	73 LT	31
242+17	58 LT	243+72	73 LT	182
244+06	56 LT	245+23	58 LT	132
245+57	59 LT	246+62	59 LT	124
246+95	58 LT	247+11	42 LT	25
275+48	63 RT	275+84	82 RT	47
276+07	82 RT	276+41	63 RT	45
309+26	30 RT	309+49	81 RT	57
309+72	40 RT	309+80	85 RT	46
315+57	105 LT	315+71	23 LT	115
316+20	22 LT	317+06	22 LT	266
317+26	116 LT	317+58	22 LT	106
319+17	20 LT	319+34	35 LT	24
319+75	36 LT	320+83	35 LT	124
321+14	23 LT	321+97	23 LT	235
322+25	23 LT	322+68	23 LT	126
322+80	73 LT	323+85	40 LT	148
324+17	42 LT	324+36	22 LT	31
322+03	38 RT	323+98	163 RT	295
324+29	163 RT	324+41	163 RT	187
324+67	163 RT	325+10	33 RT	150
326+01	22 LT	326+19	40 LT	29
326+53	42 LT	326+70	23 LT	27
328+41	23 LT	328+50	36 LT	18
328+93	37 LT	329+78	37 LT	113
330+25	39 LT	330+41	24 LT	25
332+53	43 LT	333+06	40 LT	73
333+29	38 LT	333+50	23 LT	27
336+33	34 LT	336+70	131 LT	114
336+71	37 LT	337+08	37 LT	126

COMBINATION CURB AND GUTTER REMOVAL				
FROM STA	OFFSET	TO STA	OFFSET	QUANTITY
				FOOT
337+06	131 LT	337+58	35 LT	126
357+93	36 LT	358+67	99 LT	106
358+93	98 LT	359+07	99 LT	95
359+27	99 LT	360+06	36 LT	110
366+51	25 LT	367+74	36 LT	123
369+01	41 LT	380+74	97 LT	1,206
371+56	16 RT	375+57	116 RT	474
375+83	107 RT	381+98	53 RT	724
381+69	28 RT	382+46	33 RT	77
382+33	54 RT	384+57	80 RT	269
384+39	44 RT	385+03	44 RT	65
384+88	80 RT	385+44	49 RT	87
381+12	97 LT	385+44	38 LT	470
379+79	18 LT	385+44	13 LT	565
379+79	7 LT	385+44	3 LT	567
PRIME PARKWAY				
10+80	19 RT	19+21	79 RT	845
10+80	14 LT	12+15	60 LT	192
12+45	62 LT	19+21	136 LT	812
16+19	0 RT/LT	18+97	0 RT/LT	572
SHAMROCK LANE				
10+25	12 RT	13+41	61 RT	335
10+25	13 LT	13+84	59 LT	379
10+48	13 LT	10+63	30 LT	25
10+93	13 LT	11+08	30 LT	25
10+65	13 RT	10+88	48 RT	49
11+18	45 RT	11+42	13 RT	52
			TOTAL	**17,441**

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 9 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	45
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

PAVED SHOULDER REMOVAL			
FROM STA	TO STA	[LT/RT]	QUANTITY
			SQ YD
IL-31			
138+38	141+75	LT	303
139+30	150+47	RT	1,309
144+24	155+15	LT	978
155+86	160+60	RT	170
157+15	163+04	LT	478
163+45	171+32	RT	704
164+38	170+90	LT	450
171+32	180+14	RT	541
171+09	176+74	LT	227
177+00	182+85	LT	262
180+14	190+92	RT	376
183+49	206+63	LT	1,630
191+52	239+34	RT	3,466
207+08	241+67	LT	2,876
239+55	278+90	RT	1,949
247+15	252+45	LT	527
252+70	315+43	LT	3,300
279+21	322+04	RT	1,799
315+43	324+36	LT	727
324+36	326+70	LT	129
326+70	328+42	LT	86
328+42	330+42	LT	167
330+42	332+03	LT	142
325+09	342+14	RT	792
332+55	336+39	LT	219
337+58	341+88	LT	131
342+50	343+90	RT	20
344+41	352+18	RT	300
344+58	358+27	LT	750
352+52	371+66	RT	796
360+06	366+51	LT	266
	TOTAL		25,872

AGGREGATE SHOULDERS, TYPE B, 6 IN						
FROM STA	OFFSET	LT/RT	TO STA	OFFSET	LT/RT	QUANTITY
						SQ YD
IL-31						
162+98	76.40	RT	162+99	135.91	RT	13
163+37	76.40	RT	163+32	136.40	RT	13
170+82	57.30	LT	170+84	136.00	LT	18
171+10	57.30	LT	170+98	136.00	LT	18
176+61	87.00	LT	176+56	107.00	LT	5
176+81	93.20	LT	176+71	127.30	LT	8
239+24	80.73	RT	239+34	128.02	RT	19
239+55	127.87	RT	239+62	80.73	RT	21
332+08	136.02	LT	332+28	99.18	LT	9
352+18	86.90	RT	352+21	121.00	RT	8
352+50	86.90	RT	352+50	121.00	RT	8
HALF MILE TRAIL						
38+08	13.39	RT	48+31	31.00	RT	456
38+08	16.46	LT	44+81	140.38	LT	338
45+23	140.38	LT	46+97	62.88	LT	129
47+18	62.88	LT	47+82	25.00	LT	37
EDGEWOOD ROAD						
3+96	12.44	RT	6+93	36.66	RT	69
7+15	33.23	RT	8+32	14.00	RT	29
3+96	15.05	LT	8+32	26.00	LT	97
				TOTAL		1,295

GUARDRAIL REMOVAL			
FROM STA	TO STA	[LT/RT]	QUANTITY
			FOOT
IL-31			
150+06	154+07	LT	501
175+17	179+82	RT	465
177+16	182+86	LT	575
191+71	194+13	LT	242
191+77	193+03	RT	128
199+35	200+63	LT	128
199+21	200+73	RT	152
211+10	214+48	LT	338
211+24	217+60	LT	636
227+24	231+34	RT	410
227+81	231+66	LT	386
369+54	372+29	LT	275
		TOTAL	4,237

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24					
FROM STA	TO STA	NORTHBOUND		SOUTHBOUND	
		OUTSIDE	MEDIAN	OUTSIDE	MEDIAN
		FOOT	FOOT	FOOT	FOOT
IL-31					
126+40	131+37	498			
126+40	127+16			76	
134+01	134+58	57			
138+08	170+82			3345	
138+09	152+91	1562			
145+24	152+70		747		747
153+46	162+98	1051			
153+73	162+68		896		895
163+37	190+97	2853			
163+69	176+34		1265		1266
171+10	176+61			595	
176+81	206+58			3130	
177+41	190+59		1318		1319
191+50	239+27	4887			
191+73	203+25		1153		1154
207+04	252+45			4789	
207+61	220+61		1301		1301
221+60	238+98		1739		1739
239+58	278+92	4014			
239+82	252+06		1225		1225
252+16	265+59		1247		1246
252+81	291+11			3917	
266+32	278+71		1221		1242
279+19	292+29	1367			
279+57	289+84		1028		1027
291+11	292+25			115	
292+25	306+37			1422	
292+29	293+43	115			
293+43	307+53	1399			
294+76	306+96		1218		
294+76	306+97				1226
306+37	307+50			114	
307+50	331+81			2532	
307+53	308+68	114			
308+18	323+77		1558		1561
308+68	323+99	1607			
324+66	342+06	1933			
324+86	332+02		717		717
332+26	341+94			934	
332+86	341+50		864		864
342+55	352+18	1055			
342+58	367+76			2675	
343+12	351+89		878		878
352+50	375+59	2387			
352+71	358+55		585		585
359+60	367+76		818		816
368+37	380+75			1293	
369+18	374+75		558		557
375+82	385+44	1018			
376+04	385+44		941		940
381+11	385+44			472	
	SUBTOTAL	25,917	21,278	25,408	21,305
	TOTAL	93908			

MODEL: Default
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PATRICK a WSP company

USER NAME = bwitort	DESIGNED - EJB	REVISED -
	DRAWN - BAW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 10 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	46
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

TEMPORARY CONCRETE BARRIER

FROM STA	TO STA	[LT/RT]	TEMPORARY CONCRETE BARRIER						BARRIER WALL REFLECTORS, TYPE C						IMPACT ATTENUATORS, TEMPORARY (SEVERE USE-NARROW), TEST LEVEL 3					
			PRE-STAGE	STAGE 1	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	PRE-	STAGE 1	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3	PRE-STAGE	STAGE 1	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
IL-31																				
338+07	341+57	LT	0	350	0	0	0	0	0	28	0	0	0	0	0	2	0	0	0	0
343+30	347+97	LT	0	475	0	0	0	0	0	38	0	0	0	0	0	2	0	0	0	0
353+21	355+48	RT	0	225	0	0	0	0	0	18	0	0	0	0	0	2	0	0	0	0
356+76	368+20	RT	0	1,150	0	0	0	0	0	92	0	0	0	0	0	2	0	0	0	0
EXTRA			0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
		TOTAL	**0**	**2,200**	**0**	**0**	**0**	**0**	**0**	**176**	**0**	**0**	**0**	**0**	**0**	**10**	**0**	**0**	**0**	**0**

TEMPORARY PAVEMENT

FROM STA	TO STA	[LT/RT]	QUANTITY					
			PRE-STAGE	STAGE 1	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3
			SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
IL-31								
129+77	134+21	RT	0.0	0.0	301.5	0.0	0.0	0.0
163+32	163+48	RT	0.0	0.0	159.1	0.0	0.0	0.0
176+61	177+15	LT	150.3	0.0	0.0	0.0	0.0	0.0
187+18	190+68	LT	0.0	0.0	0.0	295.8	0.0	0.0
190+63	191+23	LT/RT	0.0	0.0	0.0	81.8	0.0	0.0
190+69	192+27	LT	0.0	152.9	0.0	0.0	0.0	0.0
190+78	190+97	RT	0.0	0.0	0.0	49.2	0.0	0.0
191+23	191+71	LT/RT	0.0	0.0	0.0	60.5	0.0	0.0
193+68	197+80	RT	334.5	0.0	0.0	0.0	0.0	0.0
194+07	202+30	LT/RT	0.0	0.0	0.0	1668.2	0.0	0.0
200+77	210+73	RT	695.6	0.0	0.0	0.0	0.0	0.0
200+93	206+23	LT	0.0	790.3	0.0	0.0	0.0	0.0
206+29	207+64	LT	0.0	0.0	127.0	0.0	0.0	0.0
206+73	207+64	LT/RT	0.0	0.0	0.0	0.0	144.7	0.0
207+52	211+21	RT	0.0	0.0	0.0	335.3	0.0	0.0
238+61	239+44	RT	0.0	353.2	0.0	0.0	0.0	0.0
239+06	240+19	RT	0.0	0.0	0.0	0.0	166.7	0.0
239+09	239+79	RT	0.0	39.5	0.0	0.0	0.0	0.0
239+53	239+93	RT	286.8	0.0	0.0	0.0	0.0	0.0
239+55	240+19	RT	0.0	170.0	0.0	0.0	0.0	0.0
246+73	248+93	RT	0.0	0.0	0.0	72.6	0.0	0.0
252+12	253+00	RT	0.0	61.5	0.0	0.0	0.0	0.0
252+15	252+68	LT	0.0	0.0	0.0	34.7	0.0	0.0
253+08	265+59	LT/RT	0.0	0.0	0.0	1634.8	0.0	0.0
256+97	261+12	LT	0.0	515.5	0.0	0.0	0.0	0.0
263+37	267+21	RT	0.0	0.0	509.3	0.0	0.0	0.0
278+41	278+79	LT	0.0	0.0	18.5	0.0	0.0	0.0
278+81	278+95	RT	0.0	0.0	147.1	0.0	0.0	0.0
279+19	279+31	RT	0.0	0.0	0.0	0.0	189.9	0.0
312+54	321+33	RT	374.2	0.0	0.0	0.0	0.0	0.0
323+15	325+17	LT	0.0	263.3	0.0	0.0	0.0	0.0
323+85	324+25	LT/RT	0.0	0.0	0.0	61.9	0.0	0.0
324+23	324+42	RT	0.0	0.0	165.5	0.0	0.0	0.0
324+25	324+51	LT/RT	0.0	0.0	0.0	41.3	0.0	0.0
324+51	324+78	LT/RT	0.0	0.0	0.0	41.9	0.0	0.0
325+22	340+96	RT	2106.4	0.0	0.0	0.0	0.0	0.0
335+90	341+58	LT	0.0	0.0	0.0	695.5	0.0	0.0
343+04	349+37	LT/RT	0.0	0.0	0.0	1370.4	0.0	0.0
344+80	346+55	RT	69.9	0.0	0.0	0.0	0.0	0.0
346+70	351+96	LT	0.0	426.9	0.0	0.0	0.0	0.0

TEMPORARY PAVEMENT

FROM STA	TO STA	[LT/RT]	QUANTITY					
			PRE-STAGE	STAGE 1	STAGE 1A	STAGE 1B	STAGE 2	STAGE 3
			SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
351+73	352+18	RT	0.0	0.0	20.1	0.0	0.0	0.0
351+88	352+18	LT/RT	0.0	0.0	0.0	12.8	0.0	0.0
352+04	352+22	RT	0.0	0.0	51.7	0.0	0.0	0.0
352+18	352+48	RT	0.0	0.0	13.3	0.0	0.0	0.0
352+18	352+63	LT/RT	0.0	0.0	0.0	19.3	0.0	0.0
352+47	352+65	RT	0.0	179.8	0.0	0.0	0.0	0.0
352+48	352+65	RT	0.0	0.0	7.1	0.0	0.0	0.0
367+66	367+84	LT	0.0	0.0	0.0	0.0	20.5	0.0
367+84	368+29	LT/RT	0.0	0.0	0.0	0.0	69.8	0.0
367+93	369+17	RT	0.0	68.1	0.0	0.0	0.0	0.0
374+81	375+27	LT	0.0	30.3	0.0	0.0	0.0	0.0
375+25	375+76	RT	0.0	44.3	0.0	0.0	0.0	0.0
375+27	375+57	LT	0.0	20.0	0.0	0.0	0.0	0.0
376+11	375+78	RT	208.8	0.0	0.0	0.0	0.0	0.0
379+74	385+44	RT	1329.4	0.0	0.0	0.0	0.0	0.0
HALF MILE TRAIL								
36+45	49+52	RT	0.0	0.0	0.0	1707.0	0.0	0.0
36+45	44+18	LT	0.0	0.0	0.0	0.0	652.6	0.0
45+71	46+98	LT	0.0	0.0	0.0	0.0	120.3	0.0
46+21	49+57	RT	0.0	0.0	0.0	0.0	428.9	0.0
47+29	49+39	LT	0.0	0.0	0.0	0.0	380.5	0.0
EDGEWOOD ROAD								
2+00	9+53	RT	0.0	0.0	0.0	922.6	0.0	0.0
2+00	4+72	LT	0.0	0.0	0.0	0.0	58.1	0.0
5+39	9+56	LT	0.0	0.0	368.7	0.0	0.0	0.0
PRIME PARKWAY								
9+86	11+97	LT	211.0	0.0	0.0	0.0	0.0	0.0
10+12	14+31	RT	0.0	370.6	0.0	0.0	0.0	0.0
12+63	14+00	LT	46.8	0.0	0.0	0.0	0.0	0.0
16+19	18+98	LT/RT	603.4	0.0	0.0	0.0	0.0	0.0
17+20	19+06	RT	0.0	222.0	0.0	0.0	0.0	0.0
ALBANY STREET								
10+25	12+90	RT	0.0	589.4	0.0	0.0	0.0	0.0
11+43	15+39	RT	0.0	737.9	0.0	0.0	0.0	0.0
12+86	16+35	LT	0.0	0.0	292.2	0.0	0.0	0.0
SHAMROCK LANE								
9+41	13+66	LT	0.0	0.0	0.0	610.0	0.0	0.0
9+77	11+64	RT	0.0	0.0	0.0	0.0	100.2	0.0
		SUBTOTAL	**6,417**	**5,036**	**2,181**	**9,715**	**2,332**	**0**
		ROUNDED TOTAL	**25,682**					

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PATRICK a RJN company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 11 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	47
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

DRIVEWAY							
STATION	LT/RT	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	SUBBASE GRANULAR MATERIAL, TYPE B 4"	AGGREGATE BASE COURSE, TYPE B 8"
		SQ YD	SQ YD	SQ YD	TON	SQ YD	SQ YD
IL-31							
126+63	*LT*	57.0				57.0	
127+01	*RT*	157.0				157.0	
127+88	*RT*	96.5				96.5	
129+46	*RT*	50.7		126.5		177.2	
131+00	*RT*	23.4		80.5		103.9	
134+30	*RT*		69.8			69.8	
139+79	*RT*	1,009.8				1009.8	
141+22	*RT*	191.6				191.6	
142+16	*LT*	254.9				254.9	
142+64	*RT*	392.9				392.9	
144+86	*RT*	128.6				128.6	
147+68	*RT*				7.9		70.2
155+35	*LT*	154.3				154.3	
163+23	*LT*	339.7				339.7	
175+00	*LT*		137.9			137.9	
179+97	*RT*				13.6		121.4
183+10	*LT*	143.5		75.7		219.2	
184+26	*LT*	133.6				133.6	
184+74	*LT*	79.1				79.1	
187+31	*LT*		88.7			88.7	
196+49	*LT*		100.7			100.7	
198+57	*LT*		87.8			87.8	
199+05	*RT*	62.5				62.5	
210+82	*RT*	110.4				110.4	
218+85	*LT*	59.3				59.3	
219+86	*LT*	49.5				49.5	
221+00	*LT*	678.2				678.2	
235+60	*LT*	229.1				229.1	
239+63	*LT*	459.3				459.3	
241+99	*LT*	134.9				134.9	
243+90	*LT*	136.3				136.3	
244+74	*RT*		68.6			68.6	
245+39	*LT*	132.1				132.1	
246+77	*LT*	201.5				201.5	
248+81	*LT*	218.4				218.4	
250+44	*LT*		45.0			45.0	
275+95	*RT*	103.6				103.6	
277+78	*RT*	59.8				59.8	
279+65	*LT*		85.1			85.1	
295+65	*LT*				28.2		252.1
299+67	*LT*		94.4			94.4	
307+05	*RT*	226.2				226.2	
307+92	*LT*				14.3		127.5
309+61	*RT*	203.6				203.6	
312+13	*RT*		55.1			55.1	
313+43	*LT*		96.4			96.4	

DRIVEWAY							
STATION	LT/RT	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	SUBBASE GRANULAR MATERIAL, TYPE B 4"	AGGREGATE BASE COURSE, TYPE B 8"
		SQ YD	SQ YD	SQ YD	TON	SQ YD	SQ YD
316+64	*LT*	895.0				895.0	
318+15	*LT*	227.6				227.6	
322+74	*LT*	592.0				373.3	
324+00	*LT*	268.4				268.4	
326+35	*LT*	152.0				152.0	
328+66	*LT*	87.3				87.3	
330+02	*LT*	171.2				171.2	
333+13	*LT*		78.7			78.7	
334+29	*LT*		77.6			77.6	
335+47	*RT*				9.1		80.9
336+88	*LT*	478.5				478.5	
344+12	*RT*			139.4		139.4	
352+34	LT	*82.9*				82.9	
356+10	RT	*129.4*				129.4	
359+03	LT	*529.3*				529.3	
368+79	RT		75.7			75.7	
372+40	RT		63.9			63.9	
372+69	RT	139.8				139.8	
375+02	LT	65.4				65.4	
380+75	RT		56.1			56.1	
382+16	RT	280.6				280.6	
384+73	RT	123.4				123.4	
387+07	RT	63.5				63.5	
387+92	RT	109.1				109.1	
387+95	LT				8.0		71.6
389+35	RT	82.2				82.2	
West Shamrock Lane							
10+78	LT	58.2				58.2	
11+02	RT			31.1		31.1	
11+04	LT	56.1				56.1	
West Albany Street							
12+24	LT	*188.2*				188.2	
13+67	RT	*93.1*				93.1	
Prime Parkway							
15+00	RT	87.8				87.8	
15+82	LT	108.7				108.7	
Edgewood Road							
7+04	RT		61.3			61.3	
TOTALS		**11,346.9**	**1,343.0**	**453.2**	**81.0**	**12,924.4**	**723.6**
ROUNDED TOTALS		**11,347**	**1,343**	**454**	**82**	**12,925**	**724**

MODEL: Default
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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 12 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	48
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

TREE REMOVAL									
STA	OFFSET	LT/RT	NO. OF STEMS	STREET	SIZE	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES
					INCH	UNIT	UNIT	UNIT	ACRES
142+46.00	62.5	LT	1	IL 31	10.0	-	10	-	
142+69.10	61.5	LT	2	IL 31	-	-	17	-	
143+21.31	64.0	LT	6	IL 31	-	10	28	-	
143+51.96	64.1	LT	4	IL 31	-	10	16	-	
143+66.00	58.2	LT	1	IL 31	11.0	-	11	-	
143+86.40	53.3	LT	1	IL 31	10.0	-	10	-	
143+91.80	53.7	LT	1	IL 31	9.0	-	9	-	
144+10.25	59.8	LT	1	IL 31	6.0	-	6	-	
144+16.85	56.1	LT	1	IL 31	6.0	-	6	-	
144+23.64	60.6	LT	1	IL 31	10.0	-	10	-	
144+28.96	58.3	LT	1	IL 31	6.0	-	6	-	
144+32.25	62.3	LT	1	IL 31	8.0	-	8	-	
160+32.20	68.1	RT	1	IL 31	5.0	5	-	-	
160+34.30	70.6	RT	1	IL 31	5.0	5	-	-	
160+39.80	65.5	RT	1	IL 31	8.0	-	8	-	
160+44.20	58.7	RT	1	IL 31	6.0	-	6	-	
160+46.50	62.6	RT	1	IL 31	8.0	-	8	-	
160+47.00	69.6	RT	3	IL 31	-	5	12	-	
160+50.80	59.3	RT	1	IL 31	9.0	-	9	-	
160+51.40	61.1	RT	2	IL 31	-	-	17	-	
161+13.60	63.2	RT	3	IL 31	-	10	6	-	
161+19.70	77.3	RT	1	IL 31	17.0	-	-	17	
161+24.30	63.1	RT	2	IL 31	-	-	14	-	
161+48.40	65.3	RT	1	IL 31	8.0	-	8	-	
161+54.90	63.7	RT	1	IL 31	23.0	-	-	23	
161+76.70	63.9	RT	3	IL 31	-	10	6	-	
161+80.50	62.7	RT	3	IL 31	-	10	6	-	
161+93.80	62.6	RT	3	IL 31	-	10	6	-	
162+18.50	65.1	RT	1	IL 31	52.0	-	-	52	
162+74.90	94.9	RT	1	IL 31	27.0			27	
166+00.00	43.5	RT	-	IL 31	-	-	-	-	0.45
167+50.00	9.0	LT	-	IL 31	-	-	-	-	1.22
171+50.00	64.4	RT	-	IL 31	-	-	-	-	0.17
172+75.00	13.6	LT	-	IL 31	-	-	-	-	0.51
177+29.20	67.6	LT	1	IL 31	19.0	-	-	19	
179+50.00	13.6	LT	-	IL 31	-	-	-	-	0.26
187+87.48	135.0	RT	2	IL 31	-	9	-	-	
188+10.35	114.0	RT	1	IL 31	5.0	5	-	-	
188+21.71	111.9	RT	2	IL 31	-	9	-	-	
188+26.44	142.2	RT	2	IL 31	-	-	12	-	
188+40.75	128.3	RT	1	IL 31	5.0	5	-	-	
189+25.00	22.5	LT	-	IL 31	-	-	-	-	0.69
192+31.47	88.0	LT	4	IL 31	-	18	-	-	
192+33.50	66.0	LT	3	IL 31	-	10	7	-	
192+33.90	27.7	LT	1	IL 31	12.0	-	12	-	
192+34.80	64.9	LT	4	IL 31	-	13	6	-	
192+35.04	90.9	LT	6	IL 31	-	15	19	-	
192+37.70	34.9	LT	1	IL 31	8.0	-	8	-	
192+40.20	47.5	LT	2	IL 31	-	-	16	-	
192+40.20	68.6	LT	4	IL 31	-	18	-	-	
195+00.00	22.5	RT	-	IL 31	-	-	-	-	1.7

TREE REMOVAL									
STA	OFFSET	LT/RT	NO. OF STEMS	STREET	SIZE	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES
					INCH	UNIT	UNIT	UNIT	ACRES
195+71.70	57.9	LT	1	IL 31	32.0	-	-	32	
196+11.30	71.0	LT	1	IL 31	16.0	-	-	16	
196+96.10	77.6	LT	1	IL 31	12.0	-	12	-	
197+71.30	74.8	LT	1	IL 31	40.0	-	-	40	
198+01.50	77.4	LT	1	IL 31	9.0	-	9	-	
198+29.40	42.5	LT	1	IL 31	11.0	-	11	-	
198+46.20	57.5	LT	1	IL 31	54.0	-	-	54	
198+74.00	57.3	LT	1	IL 31	12.0	-	12	-	
198+78.60	77.7	LT	2	IL 31	-	-	19	-	
198+98.20	54.1	LT	1	IL 31	5.0	5	-	-	
199+34.90	57.9	LT	1	IL 31	15.0	-	15	-	
199+54.01	39.7	LT	1	IL 31	10.0	-	10	-	
199+55.80	62.2	LT	1	IL 31	5.0	5	-	-	
199+59.70	87.7	LT	1	IL 31	14.0	-	14	-	
199+63.70	79.2	LT	1	IL 31	5.0	5	-	-	
199+79.00	86.0	LT	1	IL 31	11.0	-	11	-	
199+80.40	87.2	LT	1	IL 31	13.0	-	13	-	
199+94.40	54.0	LT	1	IL 31	15.0	-	15	-	
202+50.00	40.0	RT	-	IL 31	-	-	-	-	0.65
204+51.93	78.8	LT	2	IL 31	-	-	22	-	
205+87.13	83.6	LT	1	IL 31	5.0	5	-	-	
206+08.85	65.5	RT	3	IL 31	-	5	14	-	
206+28.89	49.2	RT	1	IL 31	5.0	5	-	-	
206+33.59	46.0	RT	1	IL 31	5.0	5	-	-	
206+47.29	52.2	RT	3	IL 31	-	9	-	-	
206+68.77	53.7	RT	1	IL 31	5.0	5	-	-	
208+75.00	11.3	RT	-	IL 31	-	-	-	-	0.08
210+01.09	44.0	RT	1	IL 31	8.0	-	8	-	
212+38.05	67.0	LT	1	IL 31	10.0	-	10	-	
212+42.57	68.6	LT	1	IL 31	5.0	5	-	-	
212+43.56	66.8	LT	1	IL 31	5.0	5	-	-	
215+00.00	3.6	RT	-	IL 31	-	-	-	-	0.95
220+92.37	71.4	LT	1	IL 31	5.0	5	-	-	
221+02.52	69.3	LT	1	IL 31	22.0	-	-	22	
221+07.39	78.1	LT	2	IL 31	-	5	6	-	
221+07.62	158.1	LT	2	IL 31	-	-	18	-	
221+07.71	92.0	LT	1	IL 31	5.0	5	-	-	
221+08.77	109.4	LT	1	IL 31	11.0	-	11	-	
221+09.08	141.6	LT	2	IL 31	-	-	14	-	
221+10.06	128.8	LT	2	IL 31	-	9	-	-	
221+10.24	106.3	LT	1	IL 31	5.0	5	-	-	
221+11.02	131.5	LT	2	IL 31	-	-	25	-	
221+12.99	114.9	LT	1	IL 31	5.0	5	-	-	
221+13.17	113.2	LT	1	IL 31	5.0	5	-	-	
221+23.96	96.1	LT	1	IL 31	13.0	-	13	-	
223+00.00	46.9	LT	-	IL 31	-	-	-	-	0.38
239+75.40	87.5	RT	1	IL 31	12.0	-	12	-	
239+76.26	86.6	RT	1	IL 31	12.0	-	12	-	
239+77.62	67.1	RT	3	IL 31	-		9	29	
239+77.71	75.9	RT	1	IL 31	5.0	5			
239+81.13	69.8	RT	2	IL 31	-	-	18	-	

TREE REMOVAL									
STA	OFFSET	LT/RT	NO. OF STEMS	STREET	SIZE	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES
					INCH	UNIT	UNIT	UNIT	ACRES
239+84.03	77.3	RT	3	IL 31	-	10	6	-	
239+85.66	66.2	RT	1	IL 31	10.0	-	10	-	
239+87.09	90.0	RT	1	IL 31	12.0	-	12	-	
239+88.66	65.0	RT	1	IL 31	9.0	-	9	-	
239+89.48	61.1	RT	1	IL 31	9.0	-	9	-	
245+75.00	38.1	RT	-	IL 31	-	-	-	-	0.18
247+38.16	64.2	RT	1	IL 31	5.0	5	-	-	
248+30.10	77.7	LT	1	IL 31	16.0	-	-	16	
248+38.18	80.5	LT	1	IL 31	5.0	5	-	-	
249+30.53	48.0	RT	1	IL 31	5.0	5	-	-	
252+00.00	33.1	RT	-	IL 31	-	-	-	-	0.36
255+30.80	52.4	RT	1	IL 31	5.0	5	-	-	
255+61.45	46.3	RT	1	IL 31	7.0	-	7	-	
255+63.02	41.9	RT	1	IL 31	9.0	-	9	-	
255+64.34	40.8	RT	3	IL 31	-	-	38	-	
255+66.52	43.0	RT	1	IL 31	5.0	5	-	-	
255+68.14	42.9	RT	1	IL 31	8.0	-	8	-	
255+71.03	48.0	RT	1	IL 31	5.0	5	-	-	
255+74.98	40.0	RT	1	IL 31	5.0	5	-	-	
255+84.83	40.1	RT	1	IL 31	5.0	5	-	-	
255+85.07	39.4	RT	1	IL 31	5.0	5	-	-	
255+95.78	40.2	RT	1	IL 31	5.0	5	-	-	
255+96.79	37.3	RT	1	IL 31	5.0	5	-	-	
255+98.78	46.5	RT	1	IL 31	7.0	-	7	-	
256+03.09	43.2	RT	1	IL 31	11.0	-	11	-	
256+04.27	42.7	RT	1	IL 31	5.0	5	-	-	
256+08.20	43.6	RT	1	IL 31	6.0	-	6	-	
256+11.60	42.0	RT	1	IL 31	9.0	-	9	-	
256+12.67	42.1	RT	1	IL 31	7.0	-	7	-	
256+13.76	41.3	RT	2	IL 31	-	-	27	23	
256+23.38	40.4	RT	1	IL 31	11.0	-	11	-	
257+39.43	41.1	RT	2	IL 31	-	-	11	16	
257+79.04	50.6	RT	1	IL 31	5.0	5	-	-	
257+96.20	45.3	RT	2	IL 31	-	-	28	-	
258+61.55	51.1	RT	1	IL 31	5.0	5	-	-	
258+80.96	53.3	RT	1	IL 31	6.0	-	6	-	
258+99.54	49.0	RT	2	IL 31	-	10	-	-	
259+00.11	41.2	RT	2	IL 31	-	-	15	16	
259+12.40	39.8	RT	4	IL 31	-	21	-	-	
264+50.00	41.0	RT	-	IL 31	-	-	-	-	0.62
268+10.74	16.2	LT	3	IL 31	-	-	23	-	
269+66.88	74.2	RT	1	IL 31	5.0	5	-	-	
270+60.95	6.3	LT	5	IL 31	-	10	18	-	
270+62.62	82.1	RT	1	IL 31	17.0	-	-	17	
270+67.39	83.3	RT	4	IL 31	-	-	28	-	
270+82.95	78.4	RT	1	IL 31	16.0	-	-	16	
271+04.90	15.0	LT	1	IL 31	9.0	-	9	-	
271+07.41	15.1	LT	1	IL 31	7.0	-	7	-	
271+14.03	13.0	LT	1	IL 31	7.0	-	7	-	
271+20.67	14.0	LT	1	IL 31	7.0	-	7	-	
271+23.31	15.1	LT	2	IL 31	-	5	7	-	

TREE REMOVAL									
STA	OFFSET	LT/RT	NO. OF STEMS	STREET	SIZE	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES
					INCH	UNIT	UNIT	UNIT	ACRES
271+28.53	88.1	RT	1	IL 31	26.0	-	-	26	
271+35.66	15.9	LT	3	IL 31	-	5	14	-	
271+35.98	14.9	LT	1	IL 31	6.0	-	6	-	
271+37.85	13.0	LT	1	IL 31	5.0	5	-	-	
271+40.27	21.0	LT	2	IL 31	-	-	13	-	
271+44.33	17.2	LT	1	IL 31	8.0	-	8	-	
271+49.05	19.7	LT	1	IL 31	5.0	5	-	-	
271+50.41	14.7	LT	1	IL 31	6.0	-	6	-	
271+54.06	86.6	RT	9	IL 31	-	10	44	-	
271+58.79	90.5	RT	1	IL 31	6.0	-	6	-	
271+59.24	16.4	LT	1	IL 31	6.0	-	6	-	
271+62.04	18.7	LT	1	IL 31	6.0	-	6	-	
271+65.47	89.4	RT	1	IL 31	17.0	-	-	17	
271+68.41	24.4	LT	1	IL 31	5.0	5	-	-	
271+69.21	91.1	RT	1	IL 31	8.0	-	8	-	
271+70.65	88.0	RT	1	IL 31	6.0	-	6	-	
271+72.88	26.5	LT	1	IL 31	6.0	-	6	-	
271+76.78	23.8	LT	2	IL 31	-	5	6	-	
271+77.36	28.6	LT	1	IL 31	6.0	-	6	-	
271+77.95	23.3	LT	1	IL 31	7.0	-	7	-	
271+78.21	24.7	LT	1	IL 31	7.0	-	7	-	
271+84.34	24.7	LT	1	IL 31	7.0	-	7	-	
271+84.93	25.8	LT	1	IL 31	5.0	5	-	-	
271+91.82	41.4	LT	1	IL 31	7.0	-	7	-	
271+93.47	43.5	LT	1	IL 31	5.0	5	-	-	
271+93.98	26.9	LT	2	IL 31		0	14	-	
272+02.35	38.5	LT	1	IL 31	5.0	5	-	-	
272+33.68	45.9	LT	2	IL 31	-	5	6	-	
272+34.68	45.4	LT	3	IL 31	-	5	13	-	
272+35.50	44.6	LT	2	IL 31	-	5	8	-	
272+36.27	21.1	LT	3	IL 31	-	10	6		
272+37.21	37.4	LT	2	IL 31	-	5	8	-	
272+38.57	36.9	LT	2	IL 31	-	-	13	-	
272+40.30	36.6	LT	1	IL 31	5.0	5	-	-	
272+43.39	48.2	LT	1	IL 31	7.0	-	7	-	
272+44.62	50.8	LT	2	IL 31	-	5	7	-	
272+45.24	50.0	LT	1	IL 31	6.0	-	6	-	
272+45.84	47.6	LT	2	IL 31	-	-	12	-	
272+48.05	49.5	LT	1	IL 31	6.0	-	6	-	
272+51.19	23.1	LT	1	IL 31	5.0	5	-	-	
272+54.40	25.3	LT	1	IL 31	6.0	-	6	-	
272+55.10	19.4	LT	1	IL 31	5.0	5	-	-	
272+57.66	52.3	LT	1	IL 31	6.0	-	6	-	
272+61.94	19.8	LT	1	IL 31	5.0	5	-	-	
272+66.51	24.9	LT	4	IL 31	-	-	37	-	
272+67.67	26.1	LT	1	IL 31	9.0	-	9	-	
272+77.71	42.2	LT	1	IL 31	5.0	5	-	-	
272+86.83	54.0	LT	1	IL 31	5.0	5	-	-	
273+19.79	53.4	LT	2	IL 31	-	-	21	-	
273+22.17	45.4	LT	3	IL 31	-	5	12	-	
273+59.95	51.1	LT	1	IL 31	6.0	-	6	-	

MODEL: Default
FILE NAME: pw:\\patrick.cc-pw.bentley.com:patrick-cc-pw-07\Documents\IDOT\22177.01\912_Design\12.3_CADD\SHEETS\GC1-SHT-SCHEDULE-01.dgn

PATRICK a RJN company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 14 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	50
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

TREE REMOVAL									
STA	OFFSET	LT/RT	NO. OF STEMS	STREET	SIZE	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES
					INCH	UNIT	UNIT	UNIT	ACRES
273+63.42	54.6	LT	1	IL 31	12.0	-	12	-	
277+17.29	4.9	LT	1	IL 31	8.0	-	8	-	
277+22.53	6.6	LT	1	IL 31	5.0	5	-	-	
277+38.87	5.8	LT	3	IL 31	-	15	-	-	
277+66.60	6.0	LT	1	IL 31	5.0	5	-	-	
277+74.88	6.1	LT	1	IL 31	5.0	5	-	-	
278+90.18	6.0	LT	3	IL 31	-	5	14	-	
278+97.84	13.6	LT	1	IL 31	6.0	-	6	-	
278+99.17	18.1	LT	1	IL 31	7.0	-	7	-	
279+07.32	36.4	LT	6	IL 31	-	15	18	-	
279+11.73	28.3	LT	1	IL 31	5.0	5	-	-	
279+13.33	25.7	LT	1	IL 31	5.0	5	-	-	
279+14.66	26.6	LT	1	IL 31	5.0	5	-	-	
279+24.35	22.3	LT	1	IL 31	7.0	-	7	-	
279+26.85	2.1	LT	1	IL 31	8.0	-	8	-	
279+53.86	85.0	RT	2	IL 31	-			39	
279+67.47	1.4	LT	1	IL 31	6.0	-	6	-	
279+67.93	1.8	LT	1	IL 31	6.0	-	6	-	
279+73.49	1.0	LT	1	IL 31	5.0	5	-	-	
279+82.67	2.2	LT	1	IL 31	5.0	5	-	-	
279+84.38	0.9	LT	5	IL 31	-	10	21	-	
280+47.49	2.2	LT	1	IL 31	5.0	5	-	-	
280+51.68	1.3	LT	1	IL 31	5.0	5	-	-	
280+58.18	3.4	LT	1	IL 31	5.0	5	-	-	
280+62.27	4.6	LT	1	IL 31	5.0	5	-	-	
280+63.09	2.7	LT	1	IL 31	5.0	5	-	-	
280+63.89	2.2	LT	1	IL 31	5.0	5	-	-	
280+64.08	0.5	LT	1	IL 31	5.0	5	-	-	
280+66.74	2.9	LT	1	IL 31	5.0	5	-	-	
280+69.09	2.1	LT	1	IL 31	5.0	5	-	-	
280+97.58	1.1	LT	1	IL 31	7.0	-	7	-	
281+06.76	5.1	LT	1	IL 31	5.0	5	-	-	
281+08.58	1.7	LT	1	IL 31	5.0	5	-	-	
281+13.29	2.3	LT	1	IL 31	5.0	5	-	-	
281+16.17	4.4	LT	1	IL 31	5.0	5	-	-	
281+26.53	3.7	LT	1	IL 31	6.0	-	6	-	
284+28.20	2.0	LT	2	IL 31	-	-	20	-	
287+12.10	94.6	RT	1	IL 31	7.0	-	7	-	
287+17.47	96.8	RT	2	IL 31	-	10	-	-	
287+35.50	101.4	RT	1	IL 31	5.0	5	-	-	
287+81.50	98.7	RT	1	IL 31	10.0	-	10	-	
287+85.98	103.9	RT	1	IL 31	5.0	5	-	-	
288+13.06	102.3	RT	2	IL 31	-	10	-	-	
288+16.76	98.1	RT	6	IL 31	-	30	-	-	
289+50.76	81.9	RT	1	IL 31	7.0	-	7	-	
289+56.97	13.8	LT	1	IL 31	14.0	-	14	-	
289+93.53	79.9	RT	2	IL 31	-	10	-	-	
289+99.07	85.1	RT	1	IL 31	5.0	5	-	-	
290+05.89	82.4	RT	1	IL 31	13.0	-	13	-	
290+09.26	21.3	LT	2	IL 31	-	-	10	16	
290+13.12	85.9	RT	5	IL 31	-	15	12	-	

TREE REMOVAL									
STA	OFFSET	LT/RT	NO. OF STEMS	STREET	SIZE	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES
					INCH	UNIT	UNIT	UNIT	ACRES
290+21.65	35.9	LT	1	IL 31	16.0	-	-	16	
290+21.93	85.8	RT	5	IL 31	-	20	6	-	
290+24.17	84.4	RT	2	IL 31	-	-	13	-	
290+26.14	35.8	LT	1	IL 31	22.0	-	-	22	
290+29.26	87.2	RT	4	IL 31	-	15	6	-	
291+29.36	8.0	LT	1	IL 31	7.0	-	7	-	
291+32.41	7.3	LT	1	IL 31	10.0	-	10	-	
291+39.06	15.0	LT	1	IL 31	8.0	-	8	-	
291+96.52	84.4	RT	1	IL 31	5.0	5	-	-	
292+00.00	4.2	LT	-	IL 31	-	-	-	-	0.12
292+01.00	81.3	RT	1	IL 31	5.0	5	-	-	
292+04.96	79.9	RT	1	IL 31	5.0	5	-	-	
292+05.02	86.7	RT	1	IL 31	6.0	-	6	-	
292+10.01	83.8	RT	2	IL 31	-	-	12	-	
292+15.18	79.8	RT	1	IL 31	5.0	5	-	-	
292+23.90	81.1	RT	1	IL 31	5.0	5	-	-	
292+27.57	80.0	RT	1	IL 31	5.0	5	-	-	
292+38.37	82.7	RT	1	IL 31	5.0	5	-	-	
292+48.09	87.1	RT	1	IL 31	10.0	-	10	-	
292+48.31	91.3	RT	2	IL 31	-	5	6	-	
292+48.70	79.4	RT	2	IL 31	-	10	-	-	
292+65.43	92.8	RT	2	IL 31	-	5	7	-	
292+70.84	88.8	RT	1	IL 31	6.0	-	6	-	
292+72.24	82.6	RT	2	IL 31	-	10	-	-	
292+73.57	83.0	RT	1	IL 31	14.0	-	14	-	
292+78.21	82.7	RT	1	IL 31	6.0	-	6	-	
292+79.96	82.1	RT	1	IL 31	8.0	-	8	-	
292+87.10	90.4	RT	3	IL 31	-	5	12	-	
293+00.27	94.6	RT	1	IL 31	5.0	5	-	-	
293+05.88	81.0	RT	1	IL 31	5.0	5	-	-	
293+19.22	92.0	RT	1	IL 31	5.0	5	-	-	
293+25.01	91.9	RT	1	IL 31	6.0	-	6	-	
293+25.09	4.8	LT	2	IL 31	-	-	24	-	
293+25.97	90.1	RT	1	IL 31	8.0	-	8	-	
293+76.87	84.7	RT	1	IL 31	7.0	-	7	-	
295+16.00	85.9	RT	2	IL 31	-	5	6	-	
295+25.03	90.4	RT	1	IL 31	10.0	-	10	-	
295+25.50	82.3	RT	1	IL 31	18.0	-	-	18	
295+42.78	82.6	RT	4	IL 31	-	-	41	-	
299+00.00	56.8	RT	-	IL 31	-	-	-	-	0.32
303+09.17	74.3	RT	1	IL 31	5.0	5	-	-	
303+22.21	76.2	RT	1	IL 31	5.0	5	-	-	
303+27.24	71.2	RT	1	IL 31	5.0	5	-	-	
303+29.91	70.9	RT	1	IL 31	5.0	5	-	-	
303+32.29	71.1	RT	1	IL 31	5.0	5	-	-	
303+59.27	66.1	RT	1	IL 31	8.0	-	8	-	
303+64.85	72.1	RT	3	IL 31	-	15	-	-	
303+73.46	66.2	RT	3	IL 31	-	15	-	-	
303+87.99	59.0	RT	4	IL 31	-	20	-	-	
303+91.96	59.4	RT	1	IL 31	6.0	-	6	-	
303+92.87	64.3	RT	1	IL 31	5.0	5	-	-	

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PATRICK a RER company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 15 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	51
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

TREE REMOVAL									
STA	OFFSET	LT/RT	NO. OF STEMS	STREET	SIZE	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES
					INCH	UNIT	UNIT	UNIT	ACRES
304+11.65	58.6	RT	1	IL 31	5.0	5	-	-	
304+32.86	61.6	RT	1	IL 31	5.0	5	-	-	
304+54.13	61.9	RT	1	IL 31	5.0	5	-	-	
304+64.63	63.4	RT	1	IL 31	5.0	5	-	-	
304+67.46	61.9	RT	1	IL 31	5.0	5	-	-	
304+70.45	61.8	RT	2	IL 31	-	10	-	-	
304+76.49	62.7	RT	2	IL 31	-	-	12	-	
304+79.84	63.4	RT	3	IL 31	-	5	12	-	
305+03.04	63.7	RT	1	IL 31	5.0	5	-	-	
310+75.00	35.4	LT	-	IL 31	-	-	-	-	0.05
332+78.20	76.3	RT	1	IL 31	10.0	-	10	-	
337+87.43	53.7	LT	1	IL 31	14.0	-	14	-	
338+58.06	54.3	LT	1	IL 31	14.0	-	14	-	
339+25.32	55.2	LT	1	IL 31	16.0	-	-	16	
339+30.04	55.4	LT	1	IL 31	14.0	-	14	-	
353+84.66	80.8	RT	1	IL 31	6.0	-	6	-	
354+28.73	42.7	RT	1	IL 31	31.0	-	-	31	
354+83.68	74.8	RT	1	IL 31	9.0	-	9	-	
364+02.08	64.6	LT	1	IL 31	25.0	-	-	25	
41+20.97	42.4	LT	1	HALF MILE	7.0	-	7	-	
41+31.10	45.1	LT	4	HALF MILE	-	15	6	-	
41+45.00	45.4	LT	1	HALF MILE	9.0	-	9	-	
41+76.71	41.6	LT	1	HALF MILE	10.0	-	10	-	
41+80.47	41.2	LT	1	HALF MILE	5.0	5	-	-	
43+40.81	45.9	LT	1	HALF MILE	8.0	-	8	-	
48+29.19	58.0	LT	1	HALF MILE	17.0	-	-	17	
48+84.93	55.8	LT	1	HALF MILE	18.0	-	-	18	
5+02.36	35.5	LT	2	EDGEWOOD	-	-	17	-	
5+07.39	34.7	LT	1	EDGEWOOD	6.0	-	6	-	
5+08.22	39.3	LT	2	EDGEWOOD	-	10	-	-	
5+09.84	40.2	LT	1	EDGEWOOD	22.0	-	-	22	
5+27.10	32.8	LT	4	EDGEWOOD	-	-	28	-	
7+50.00	32.0	LT	-	EDGEWOOD	-	-	-	-	0.08
8+89.31	37.2	LT	2	EDGEWOOD	-	10	-	-	
8+94.43	33.3	LT	4	EDGEWOOD	-	-	32	-	
					TOTAL	**1061**	**2066**	**718**	**8.79**

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PATRICK a kci company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - BAW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 16 OF 17 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	52
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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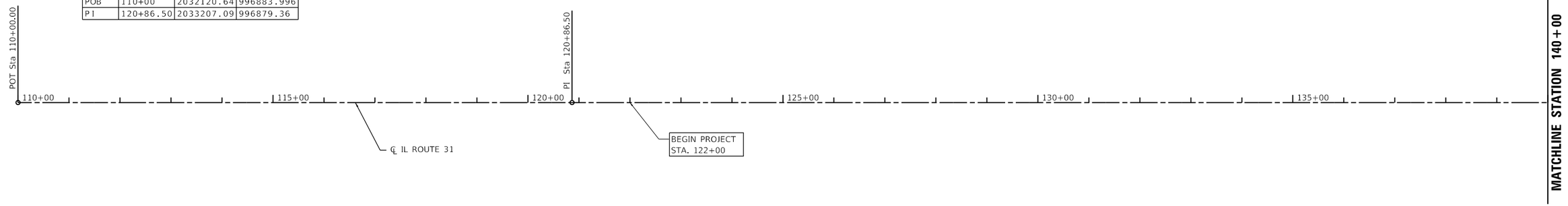
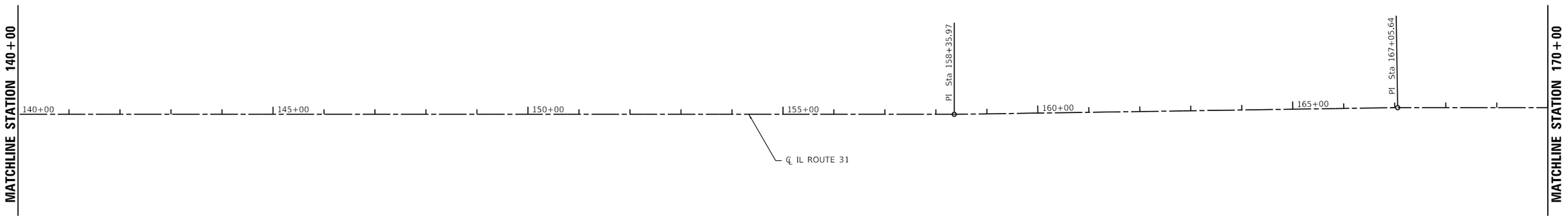
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY SCHEDULE OF QUANTITIES ILLINOIS ROUTE 31
		DRAWN - BAW	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: NTS SHEET 17 OF 17 SHEETS STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	53
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

ALIGNMENT COORDINATES - IL RTE. 31			
IL-31	STATION	N	E
POB	110+00	2032120.64	996883.996
PI	120+86.50	2033207.09	996879.36



ALIGNMENT COORDINATES - IL RTE. 31			
IL-31	STATION	N	E
PI	158+35.97	2033960.92	997896.16
PI	167+05.64	2034830.46	997879.31



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TransLand Engineering Group

USER NAME = bwitort		DESIGNED -	TRANS	REVISED -	
		DRAWN -	TRANS	REVISED -	
PLOT SCALE = 200.0000 ' / in.		CHECKED -	TRANS	REVISED -	
PLOT DATE = 10/3/2024		DATE -	04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
ILLINOIS ROUTE 31

SCALE: 1"=100' | SHEET 1 OF 8 SHEETS | STA. 110+00 | TO STA. 170+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	54
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

N

ALIGNMENT COORDINATES - IL RTE. 31			
IL 31	STATION	N	E
PI	183+99.90	2039520.37	996838.90
PI	196+76.88	2040797.23	996846.17
PC	198+28.16	2040948.51	996845.50
PI	199+99.96	2041120.34	996846.24

MATCHLINE STATION 170+00

170+00 | 175+00 | 180+00 | PI Sta 183+99.90 | 185+00 | ℄ IL ROUTE 31 | 190+00 | 195+00 | PI Sta 196+76.88 | PC Sta 198+28.16 | CURVE P_IL31_S_13 | PI Sta 199+99.96

MATCHLINE STATION 200+00

PROP. CURVE P_IL31_S_13
PI STA. = 199+99.96
Δ = 2° 00' 16" (RT)
D = 0° 35' 00"
R = 9,821.00'
T = 171.80'
L = 343.57'
E = 1.50'
P.C. STA. = 198+28.16
P.T. STA. = 201+71.73

PROP. CURVE P_HALF_3
PI STA. = 38+55.97
Δ = 22° 54' 47" (LT)
D = 11° 27' 33"
R = 500.00'
T = 101.33'
L = 199.95'
E = 10.16'
P.C. STA. = 37+54.64
P.T. STA. = 39+54.59

POT Sta 36+89.98 | PC Sta 37+54.64 | PI Sta 38+55.97 | CURVE P_HALF_3 | PT Sta 39+54.59 | 40+00 | ℄ HALF MILE TRAIL | 45+00 | PI Sta 45+65.29

ALIGNMENT COORDINATES - HALF MILE TRAIL			
SIDE STREET	STATION	N	E
POT	50+23.79	2038808.67	997884.51
PI	49+99.87	2041808.92	996841.64
PI	45+65.29	2041807.83	996407.06
PT	39+54.59	2041804.60	995796.37
PI	38+55.97	2041804.06	995695.04
PC	37+54.64	2041843.02	995601.50
POT	36+89.98	2041867.88	995552.98

ALIGNMENT COORDINATES - IL RTE. 31			
IL 31	STATION	N	E
PT	201+71.73	2038291.71	997868.91
PC	206+28.62	2038748.39	997882.85
PI	208+00.40	2038920.15	997888.21
PT	209+72.14	2039091.87	997887.31
PI	220+00.38	2040120.10	997882.71
PI	225+00.45	2040620.06	997872.47

MATCHLINE STATION 200+00

200+00 | PT Sta 201+71.73 | CURVE P_IL31_S_13 | 205+00 | PC Sta 206+28.62 | PI Sta 49+99.87 | ℄ POT Sta 50+23.79 | 00+00 | PI Sta 208+00.40 | CURVE P_IL31_S_16 | PT Sta 209+72.14 | 210+00 | 215+00 | ℄ IL ROUTE 31 | PI Sta 220+00.38 | 220+00 | PI Sta 225+00.45 | 225+00

PROP. CURVE P_IL31_S_16
PI STA. = 208+00.40
Δ = 2° 00' 15" (LT)
D = 0° 35' 00"
R = 9,821.00'
T = 171.78'
L = 343.52'
E = 1.50'
P.C. STA. = 206+28.62
P.T. STA. = 209+72.14

MATCHLINE STATION 230+00

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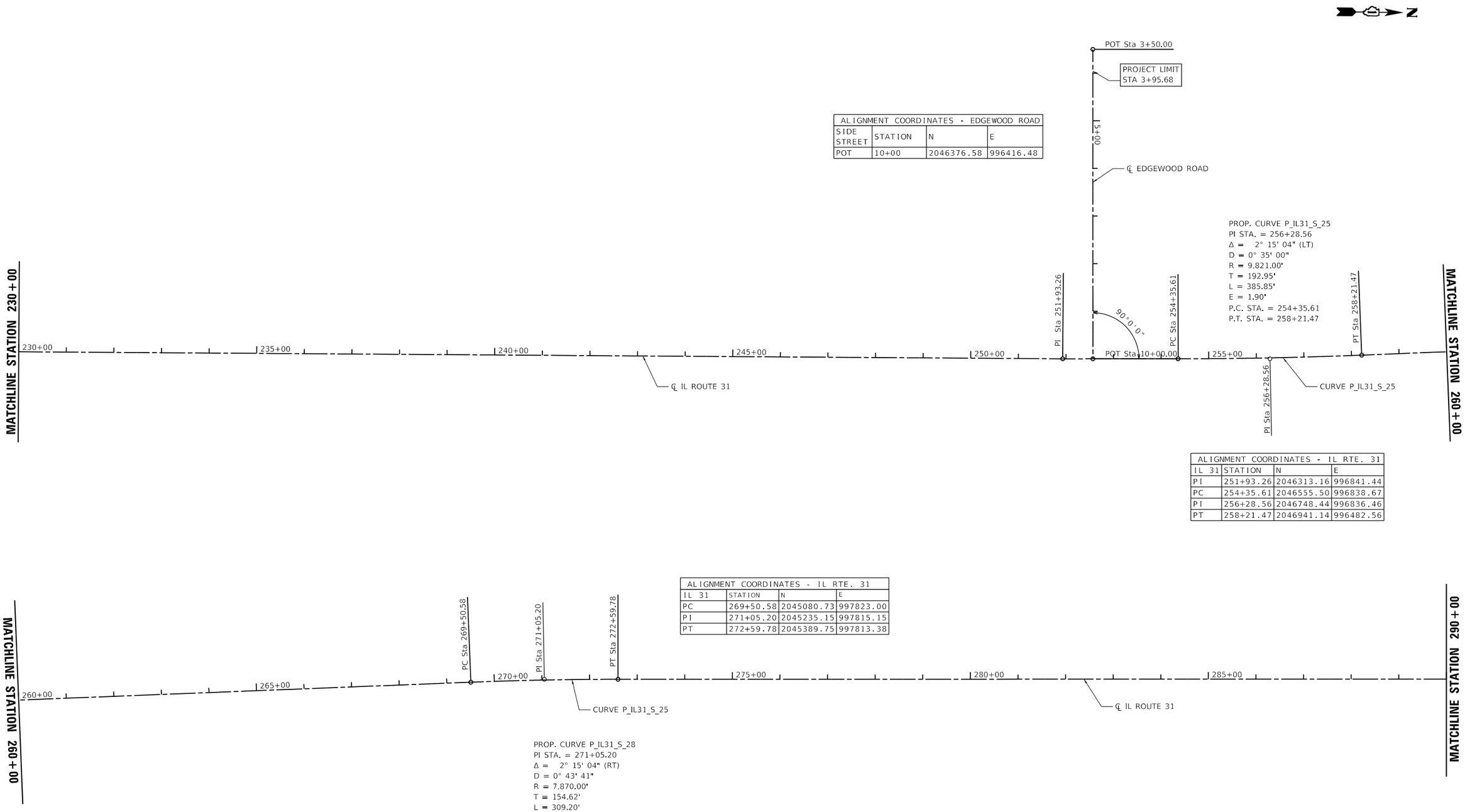
TransLand Engineering Group

USER NAME = bwitort	DESIGNED - TRANS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES AND BENCHMARKS ILLINOIS ROUTE 31
	DRAWN - TRANS	REVISED -		
PLOT SCALE = 200.0000 ' / in.	CHECKED - TRANS	REVISED -		
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=100' SHEET 2 OF 8 SHEETS STA. 170+00 TO STA. 230+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	55
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



ALIGNMENT COORDINATES - EDGEWOOD ROAD			
SIDE STREET	STATION	N	E
POT	10+00	2046376.58	996416.48

ALIGNMENT COORDINATES - IL RTE. 31			
IL 31	STATION	N	E
PI	251+93.26	2046313.16	996841.44
PC	254+35.61	2046555.50	996838.67
PI	256+28.56	2046748.44	996836.46
PT	258+21.47	2046941.14	996482.56

ALIGNMENT COORDINATES - IL RTE. 31			
IL 31	STATION	N	E
PC	269+50.58	2045080.73	997823.00
PI	271+05.20	2045235.15	997815.15
PT	272+59.78	2045389.75	997813.38

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TransLand Engineering Group

USER NAME = bwitort	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED - TRANS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

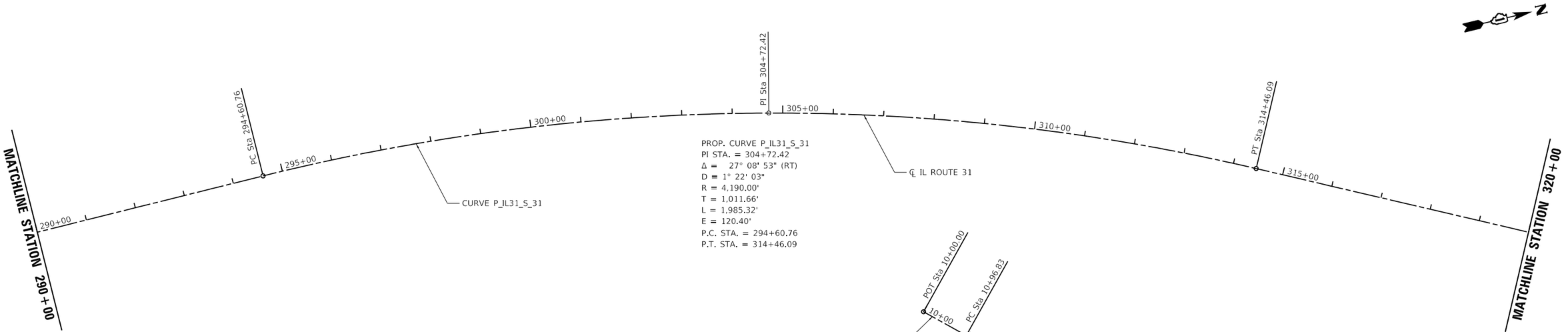
ALIGNMENT AND TIES
ILLINOIS ROUTE 31

SCALE: 1"=100' | SHEET 3 OF 8 SHEETS | STA. 230+00 TO STA. 290+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	56

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



ALIGNMENT COORDINATES - IL RTE. 31			
IL 31	STATION	N	E
PC	294+60.76	2050617.99	996734.51
PI	304+72.42	2051590.26	996722.97
PT	314+46.09	2052495.70	997174.24

ALIGNMENT COORDINATES - PRIME PARKWAY			
SIDE STREET	STATION	N	E
POT	19+56.97	2052021.47	998239.58
PT	18+39.74	2041050.29	996436.11
PI	15+07.58	2041233.52	996068.49
PC	10+96.83	2041001.95	995729.24
POT	10+00.00	2040999.57	996541.82

ALIGNMENT COORDINATES - ALBANY STREET			
SIDE STREET	STATION	N	E
POT	10+00	2040947.36	995649.26
PC	12+54.97	2040884.89	996769.54
PI	13+66.67	2040834.65	996869.31
PT	14+74.13	2040835.76	996981.00
POT	15+39.18	2040836.41	997046.05

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TransLand Engineering Group

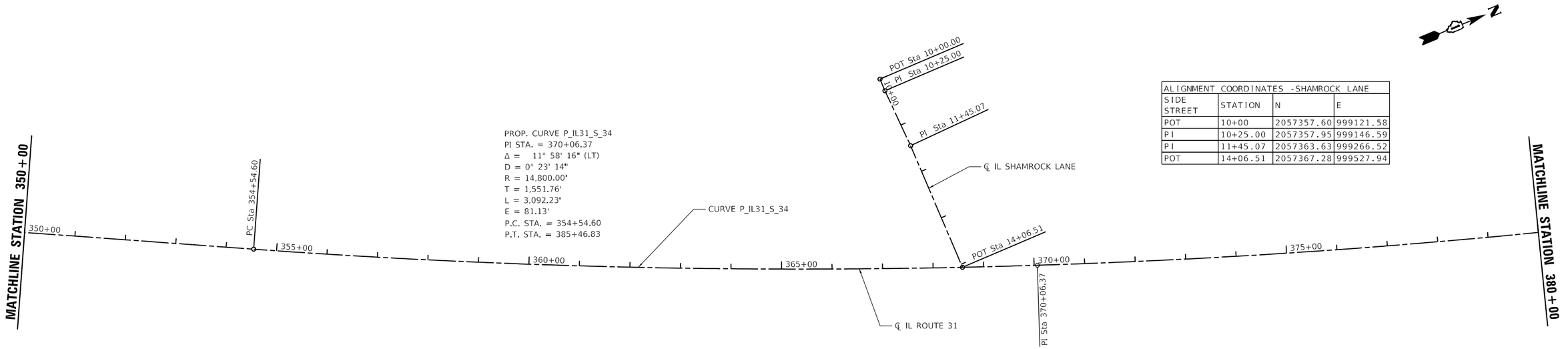
USER NAME = bwitort	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED - TRANS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES
ILLINOIS ROUTE 31

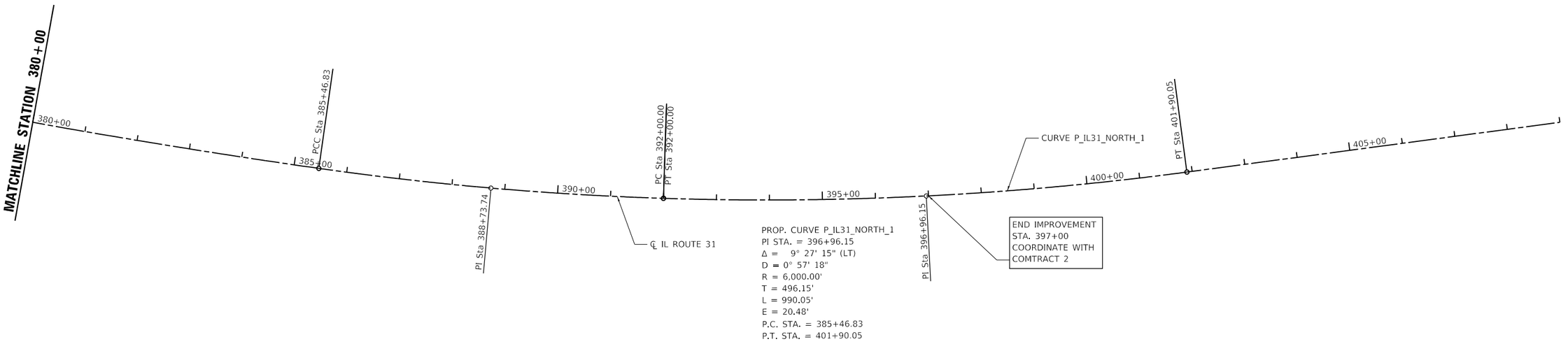
SCALE: 1"=100' | SHEET 4 OF 8 SHEETS | STA. 290+00 TO STA. 350+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	57
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



ALIGNMENT COORDINATES -SHAMROCK LANE			
SIDE STREET	STATION	N	E
POT	10+00	2057357.60	999121.58
PI	10+25.00	2057357.95	999146.59
PI	11+45.07	2057363.63	999266.52
POT	14+06.51	2057367.28	999527.94

ALIGNMENT COORDINATES -IL RTE. 30			
IL 31	STATION	N	E
PC	354+54.60	2056083.32	998962.31
PI	370+06.37	2057472.14	999654.50
PCC	385+46.83	2055755.64	999988.54
PI	388+73.74	2056037.60	1000153.97
PC / PT	392+00.00	2056335.86	1000287.79
PI	396+96.15	2056788.53	1000490.89
PT	401+90.05	2057268.42	1000616.88



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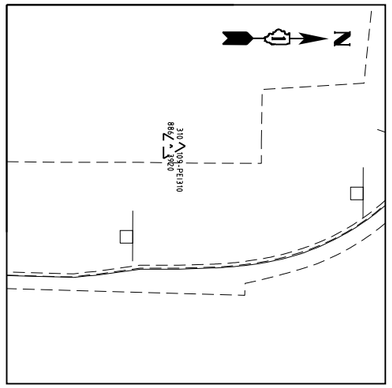
TransLand Engineering Group	USER NAME = bwitort	DESIGNED - TRANS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT AND TIES ILLINOIS ROUTE 31
		DRAWN - TRANS	REVISED -		
	PLOT SCALE = 200.0000 ' / in.	CHECKED - TRANS	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=100' SHEET 5 OF 8 SHEETS STA. 350+00 TO STA. 409+00

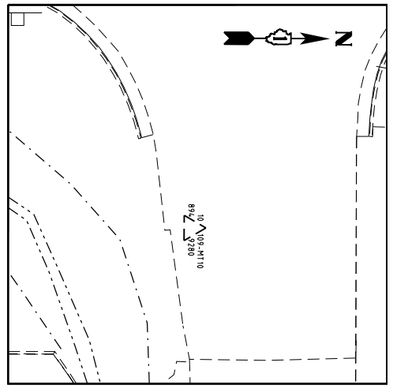
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	58
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



CONTROL POINT #310

FOUND MAG NAIL IN PARKING LOT

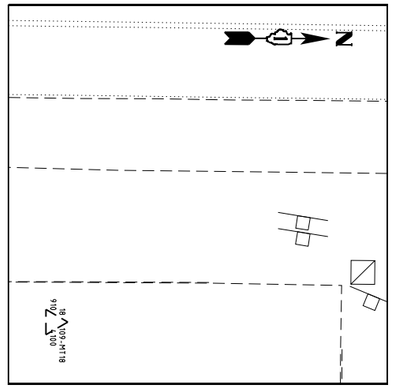
STA 128+78.03, 61.72' LT
N 2033998.349
E 996814.270
ELEV. 886.392



CONTROL POINT #10

FOUND MAG NAIL IN CONCRETE DRIVEWAY

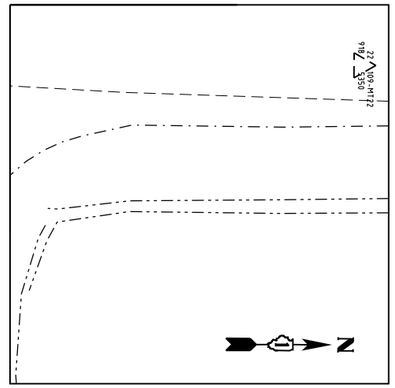
STA 137+81.87, 77.38' RT
N 2034902.780
E 996949.506
ELEV. 894.928



CONTROL POINT #18

FOUND MAG NAIL IN PARKING LOT

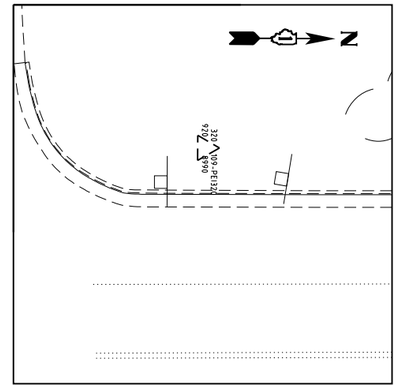
STA 146+60.61, 57.80' RT
N 2035781.424
E 996926.180
ELEV. 910.41



CONTROL POINT #22

FOUND MAG NAIL IN HMA DRIVEWAY / ROAD

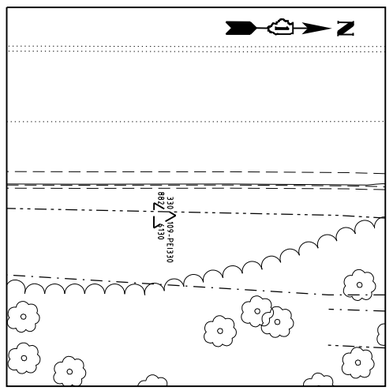
STA 154+86.79, 95.86' RT
N 2036607.761
E 996960.722
ELEV. 918.535



CONTROL POINT #320

FOUND #5 REBAR IN GRASS PARKWAY

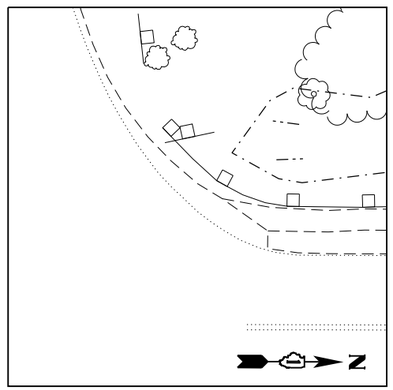
STA 163+68.95, 25.44' LT
N 2037488.918
E 996827.931
ELEV. 920.899



CONTROL POINT #330

FOUND #5 REBAR IN GRASS SWALE

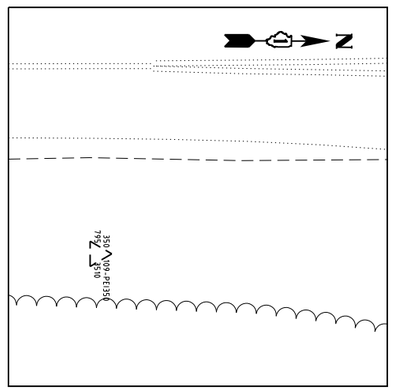
STA 170+71.57, 41.15' RT
N 2038192.143
E 996886.007
ELEV. 882.613



CONTROL POINT #340

FOUND #5 REBAR IN GRASS PARKWAY

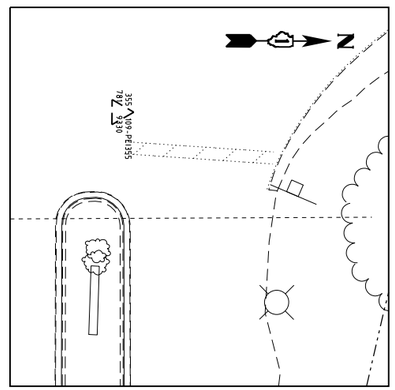
STA 177+18.51, 15.31' LT
N 2038838.826
E 996826.654
ELEV. 842.831



CONTROL POINT #350

FOUND #5 REBAR IN GRASS PARKWAY

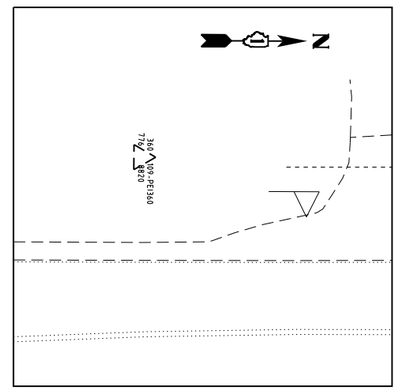
STA 185+90.67, 42.97' RT
N 2039710.803
E 996882.960
ELEV. 795.351



CONTROL POINT #355

FOUND MAG NAIL IN DRIVEWAY / ROAD ENTRANCE

STA 191+27.27, 55.26' RT
N 2040247.319
E 996898.303
ELEV. 781.933



CONTROL POINT #360

FOUND #5 REBAR IN GRASS PARKWAY

STA 196+09.84, 33.36' LT
N 2040730.387
E 996812.441
ELEV. 776.882

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TransLand Engineering Group

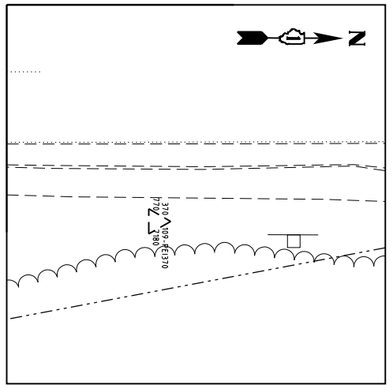
USER NAME = bwitort		DESIGNED - TRANS		REVISED -	
		DRAWN - TRANS		REVISED -	
PLOT SCALE = 200.0000 ' / in.		CHECKED - TRANS		REVISED -	
PLOT DATE = 10/3/2024		DATE - 04/30/2024		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 6 OF 8 SHEETS | STA. | TO STA.

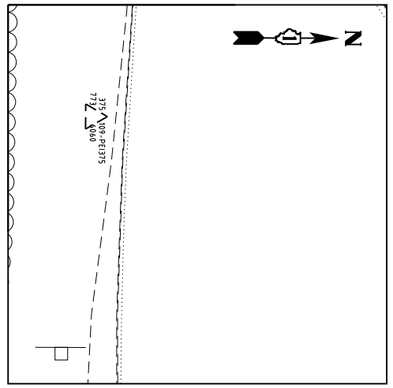
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	59
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



CONTROL POINT #370

FOUND #5 REBAR IN GRASS PARKWAY

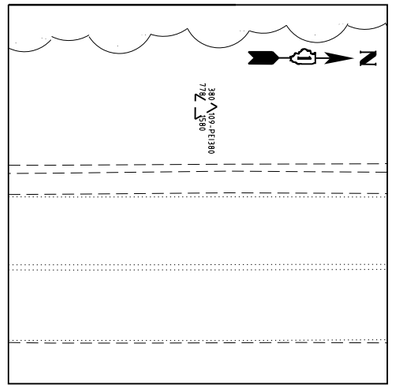
STA 206+50.54, 9.08' RT
N 2041770.367
E 996873.620
ELEV. 770.718



CONTROL POINT #375

FOUND #5 REBAR IN GRASS PARKWAY

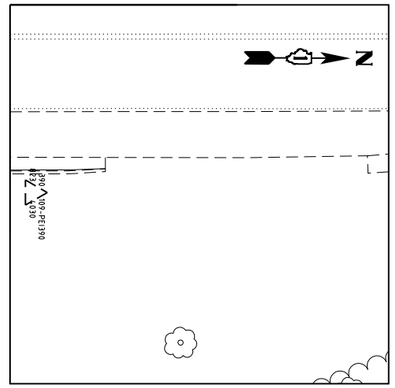
STA 44+87.82, 28.09' RT
N 2041779.328
E 996329.746
ELEV. 773.606



CONTROL POINT #380

FOUND #5 REBAR IN GRASS PARKWAY

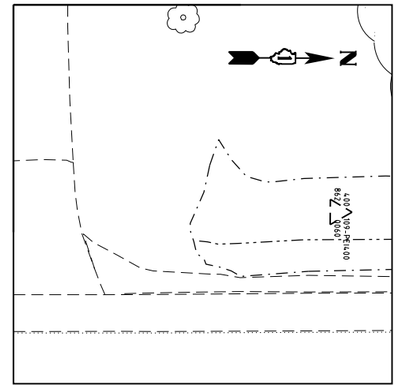
STA 216+56.89, 52.94' LT
N 2043784.826
E 996860.334
ELEV. 823.403



CONTROL POINT #390

FOUND #5 REBAR IN GRASS PARKWAY

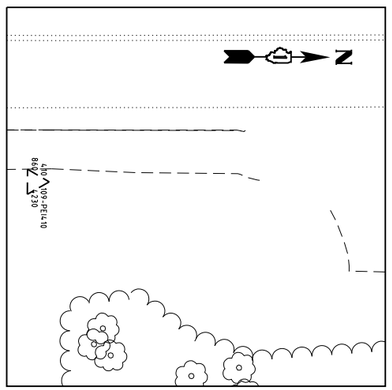
STA 226+64.86, 7.55' RT
N 1797539.003
E 1109250.757
ELEV. 699.99



CONTROL POINT #400

FOUND MAG NAIL IN HMA ENTRANCE

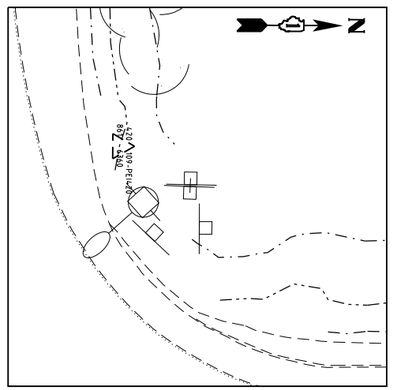
STA 236+16.23, 50.81' LT
N 2044735.920
E 996797.705
ELEV. 862.006



CONTROL POINT #410

FOUND #5 REBAR IN GRASS PARKWAY

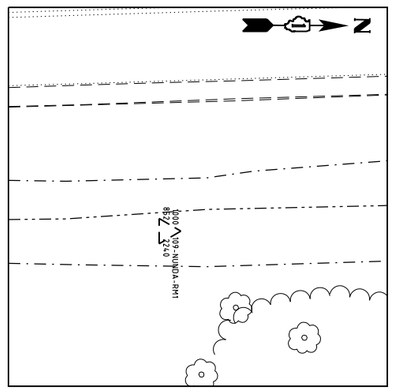
STA 243+97.50, 17.12' RT
N 2045517.495
E 996862.135
ELEV. 860.423



CONTROL POINT #420

FOUND GRASS PARKWAY IN #5 REBAR

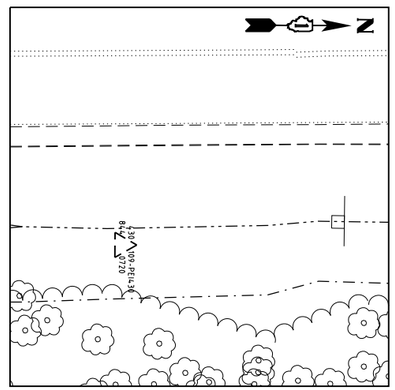
STA 252+85.76, 74.92' LT
N 2046404.806
E 996765.478
ELEV. 861.636



CONTROL POINT #1000

FOUND BRASS DISK IN NGS MONUMENT GRASS SWALE

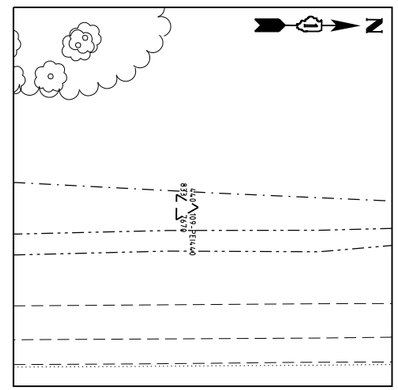
STA 257+74.27, 26.66' RT
N 2046895.23
E 996855.59
ELEV. 852.224



CONTROL POINT #430

FOUND #5 REBAR IN GRASS SWALE

STA 262+77.95, 38.33' RT
N 2047398.988
E 996841.805
ELEV. 844.072



CONTROL POINT #440

FOUND #5 REBAR IN GRASS SWALE

STA 272+83.73, 1.92' RT
N 2048401.811
E 996761.433
ELEV. 833.767

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TransLand Engineering Group

USER NAME = bwitort	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED - TRANS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 7 OF 8 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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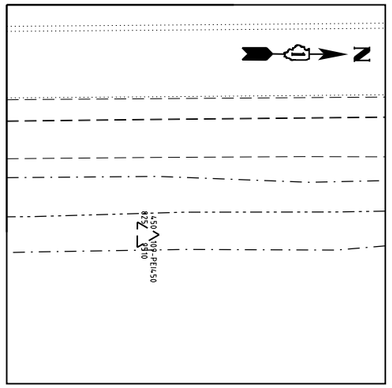
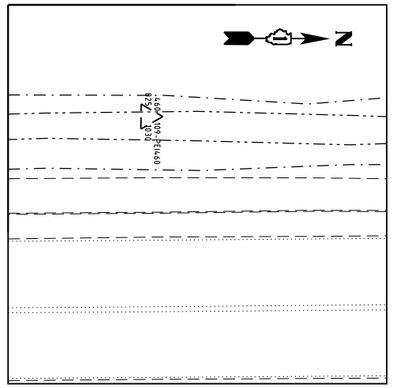
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



CONTROL POINT #450

FOUND #5 REBAR IN GRASS SWALE

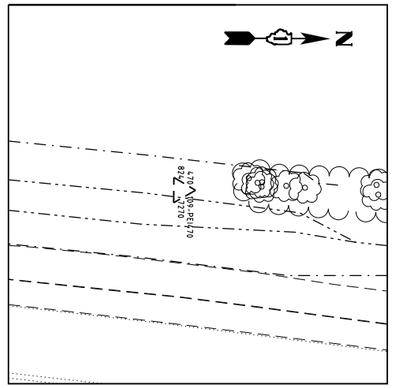
STA 283+57.32, 73.25' RT
N 2049476.145
E 996820.459
ELEV. 825.951



CONTROL POINT #460

FOUND #5 REBAR IN GRASS SWALE

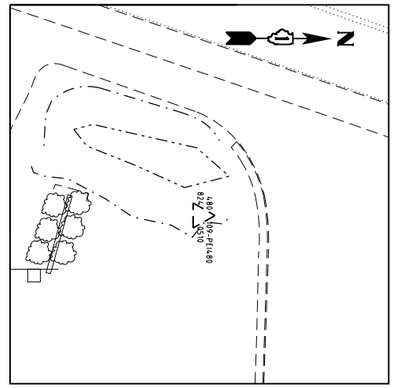
STA 293+60.59, 7.19' RT
N 2050478.594
E 996742.905
ELEV. 825.103



CONTROL POINT #470

FOUND #5 REBAR IN GRASS SWALE

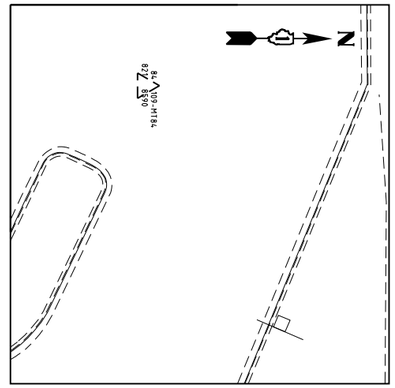
STA 301+00.30, 13.85' LT
N 2051218.197
E 996762.273
ELEV. 824.727



CONTROL POINT #480

FOUND #5 REBAR IN GRASS SWALE

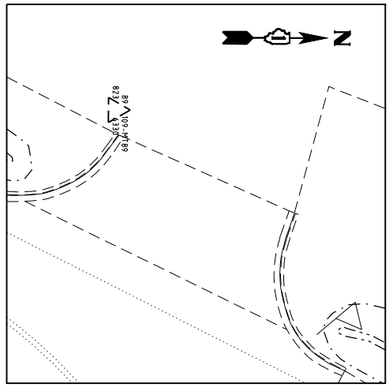
STA 309+24.51, 42.38' RT
N 2052001.585
E 997011.191
ELEV. 824.051



CONTROL POINT #84

FOUND MAG NAIL IN PARKING LOT

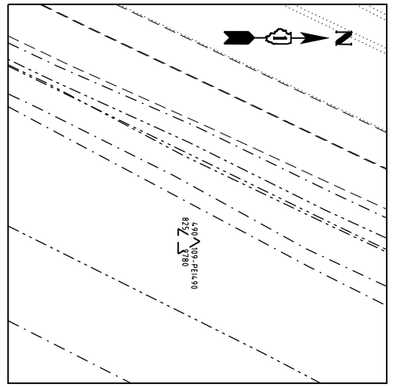
STA 317+03.46, 78.97' LT
N 2052761.282
E 997218.373
ELEV. 821.859



CONTROL POINT #89

FOUND MAG NAIL IN PARKING LOT

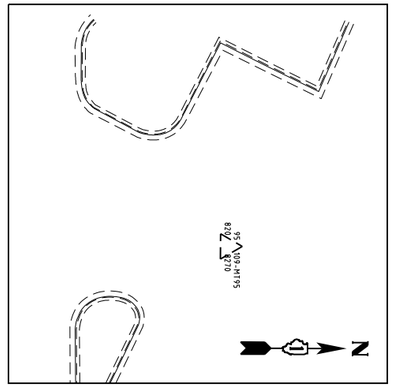
STA 323+82.64, 43.88' LT
N 2053353.494
E 997552.747
ELEV. 823.633



CONTROL POINT #490

FOUND #5 REBAR IN GRASS PARKWAY

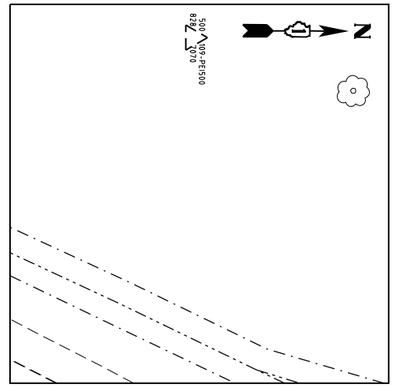
STA 329+79.58, 44.73' RT
N 2053848.228
E 997898.327
ELEV. 825.978



CONTROL POINT #95

FOUND MAG NAIL IN PARKING LOT

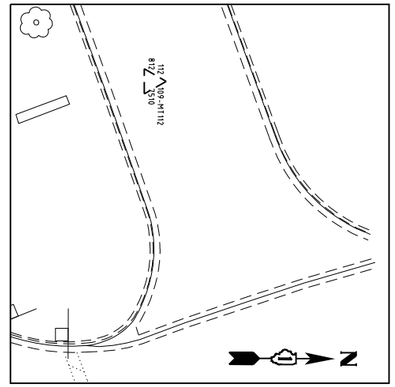
STA 335+62.32, 169.97' LT
N 2054465.552
E 997966.113
ELEV. 820.827



CONTROL POINT #500

FOUND #5 REBAR IN GRASS PARKWAY

STA 340+74.82, 87.48' LT
N 2054887.437
E 998268.546
ELEV. 828.707



CONTROL POINT #112

FOUND MAG NAIL IN HMA DRIVEWAY / PARKING LOT

STA 11+80.24, 70.61' LT
N 2055096.913
E 997643.305
ELEV. 812.751

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		DRAWN - TRANS	REVISED -
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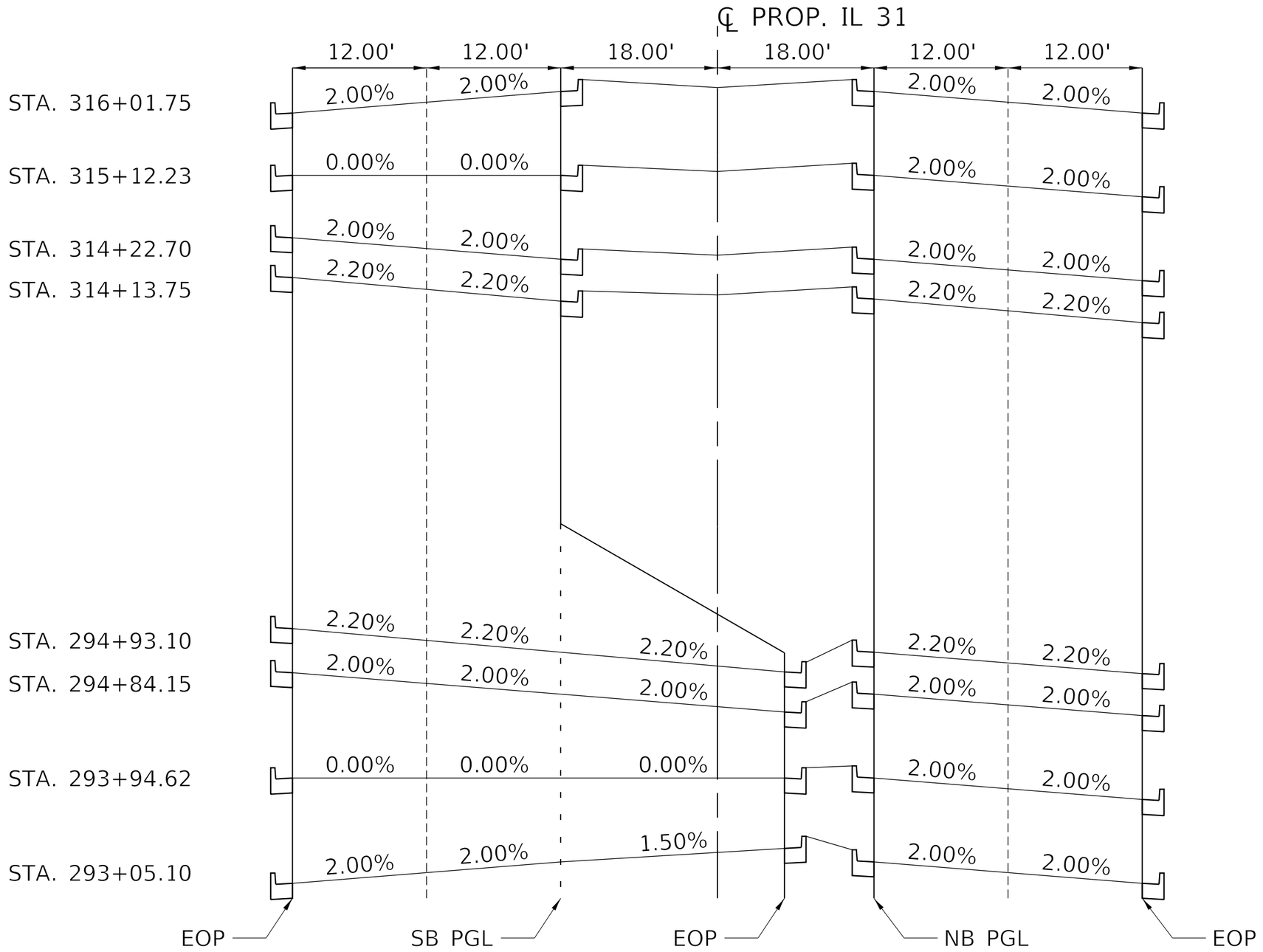
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTROL POINTS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 8 OF 8 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	61
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PROPOSED IL 31 SUPERELEVATION SECTION

PROP. CURVE P IL31 S 31
STA. 294+60.76 TO STA. 314+46.09

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PATRICK a RSR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

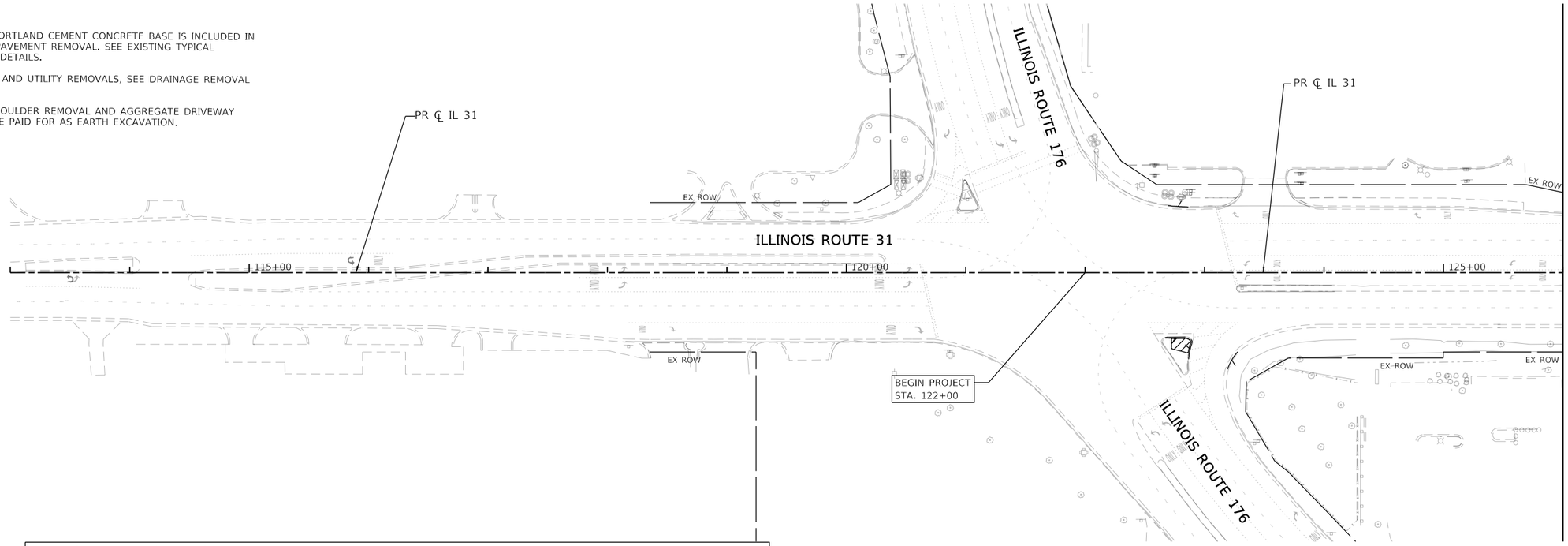
SUPERELEVATION SECTION
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	62
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

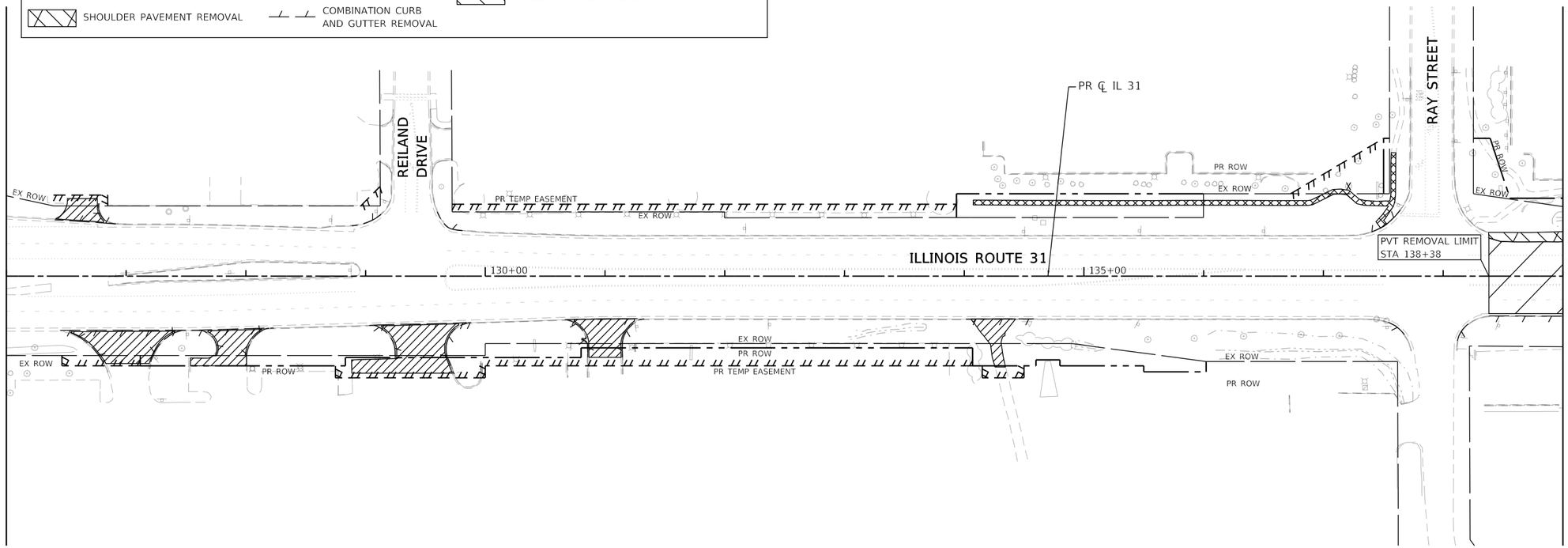
NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.



ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)



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PATRICK a WSP company

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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

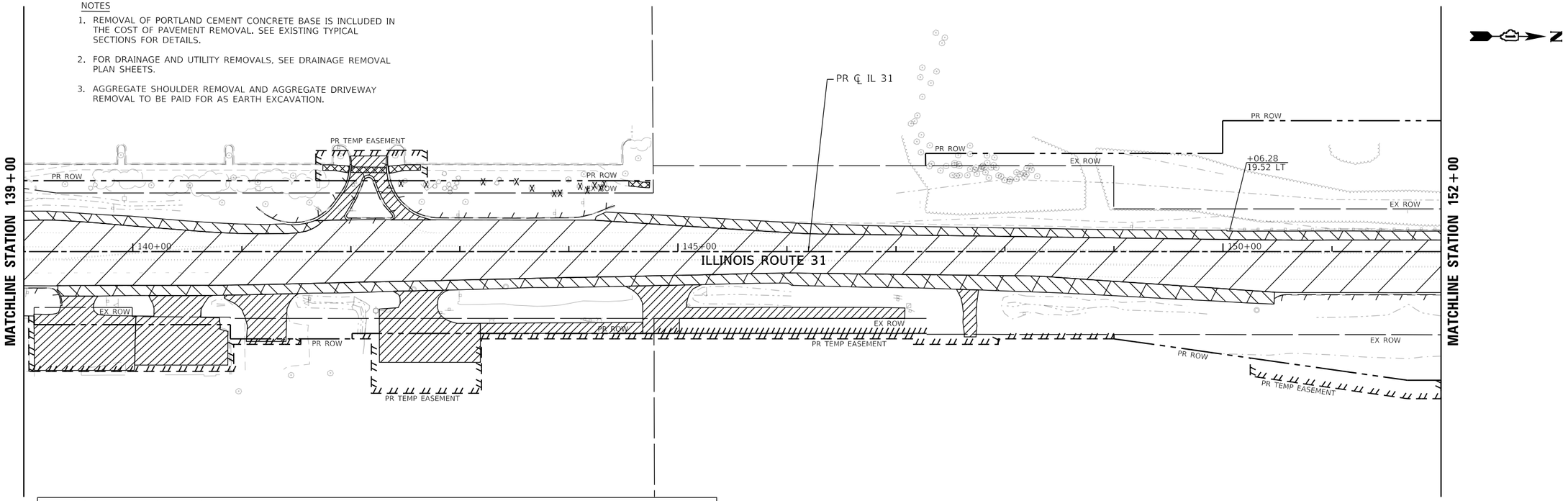
ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 13 SHEETS | STA. 113+00 | TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	63
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

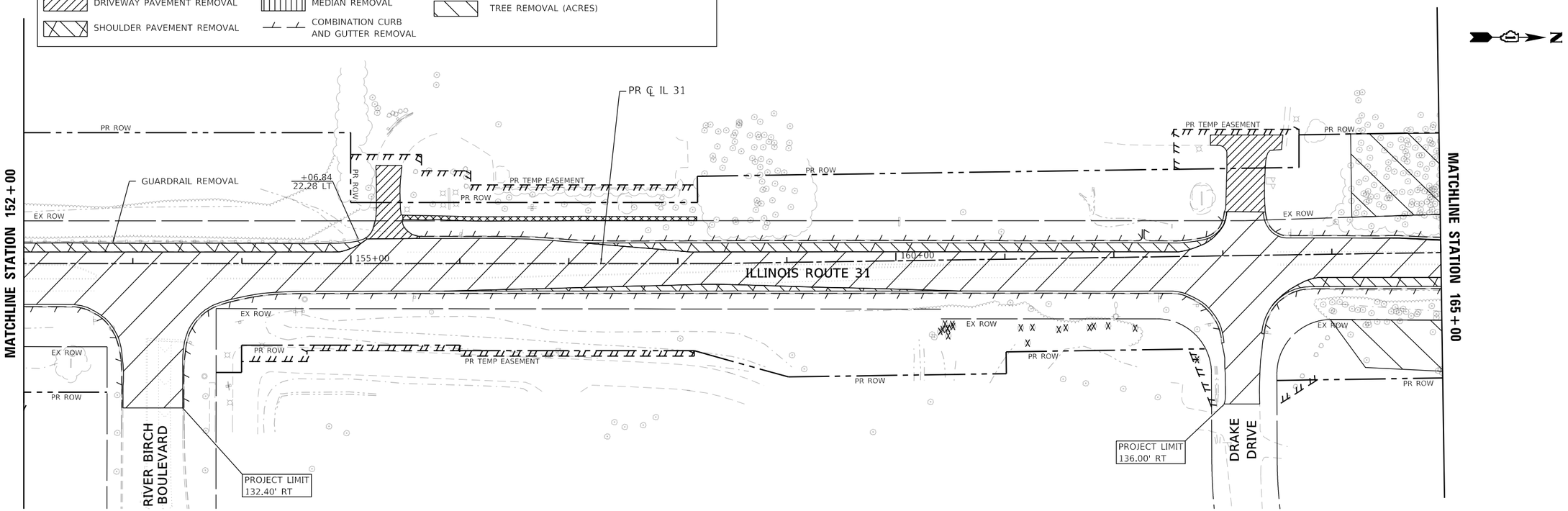
NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.



ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)



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		DRAWN - EJB	REVISED -
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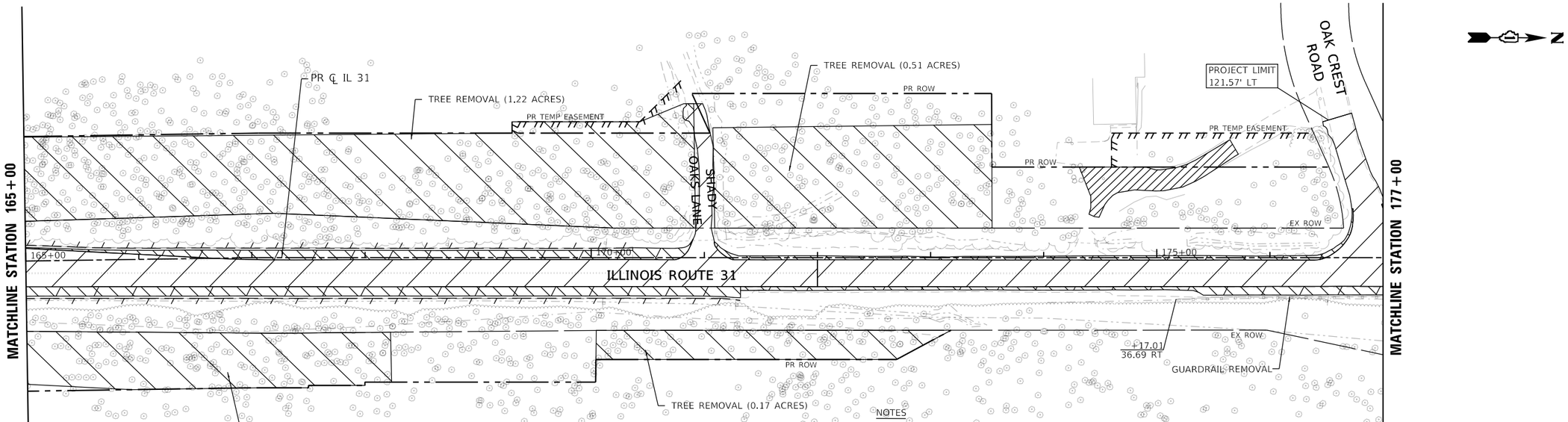
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 13 SHEETS | STA. 132+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	64
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

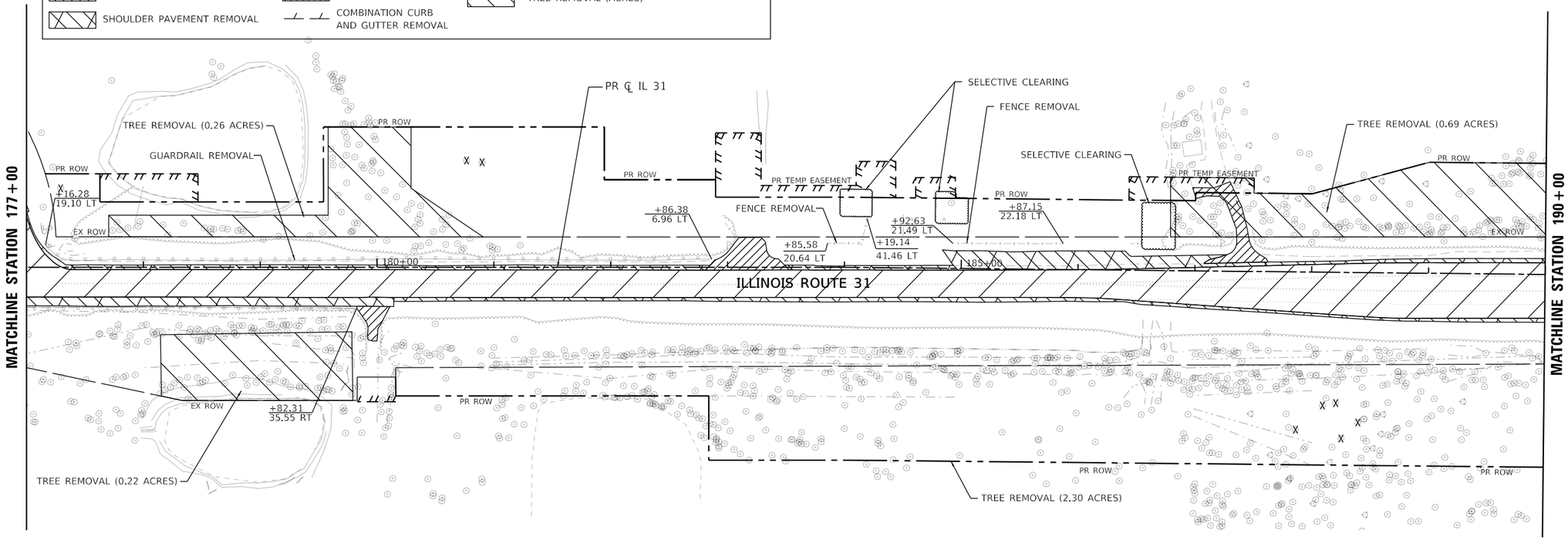


NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.

ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)



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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

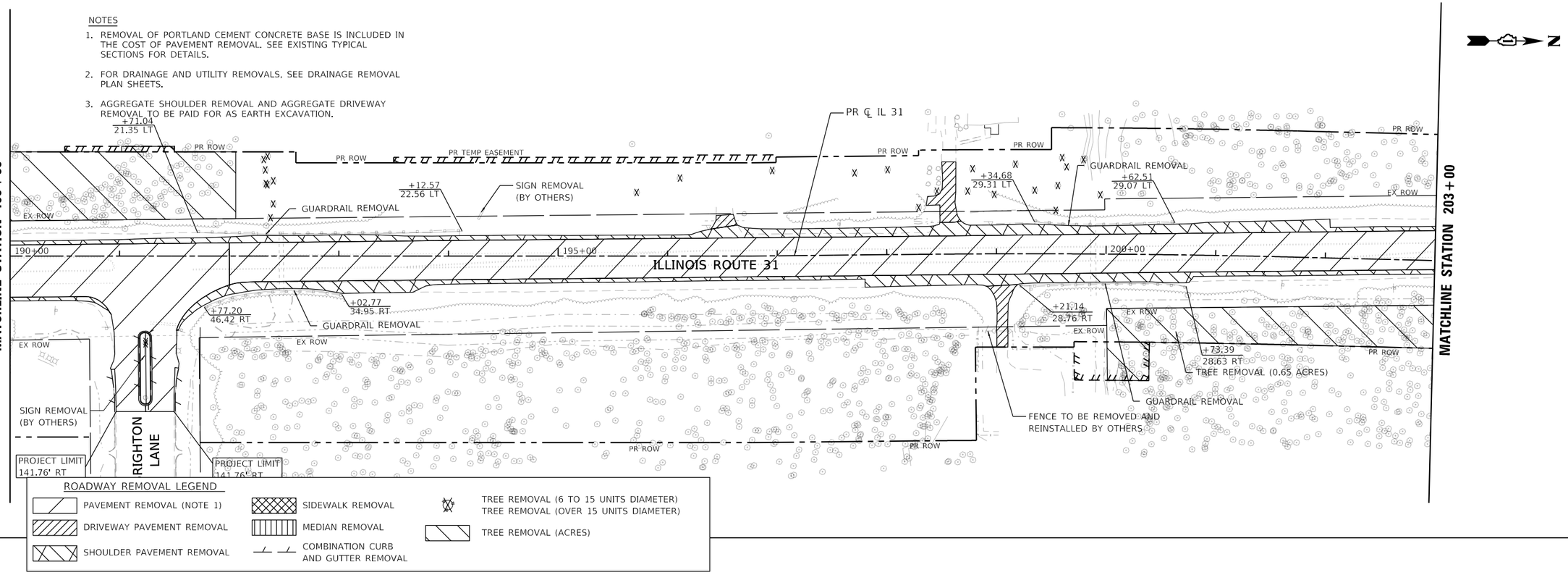
ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

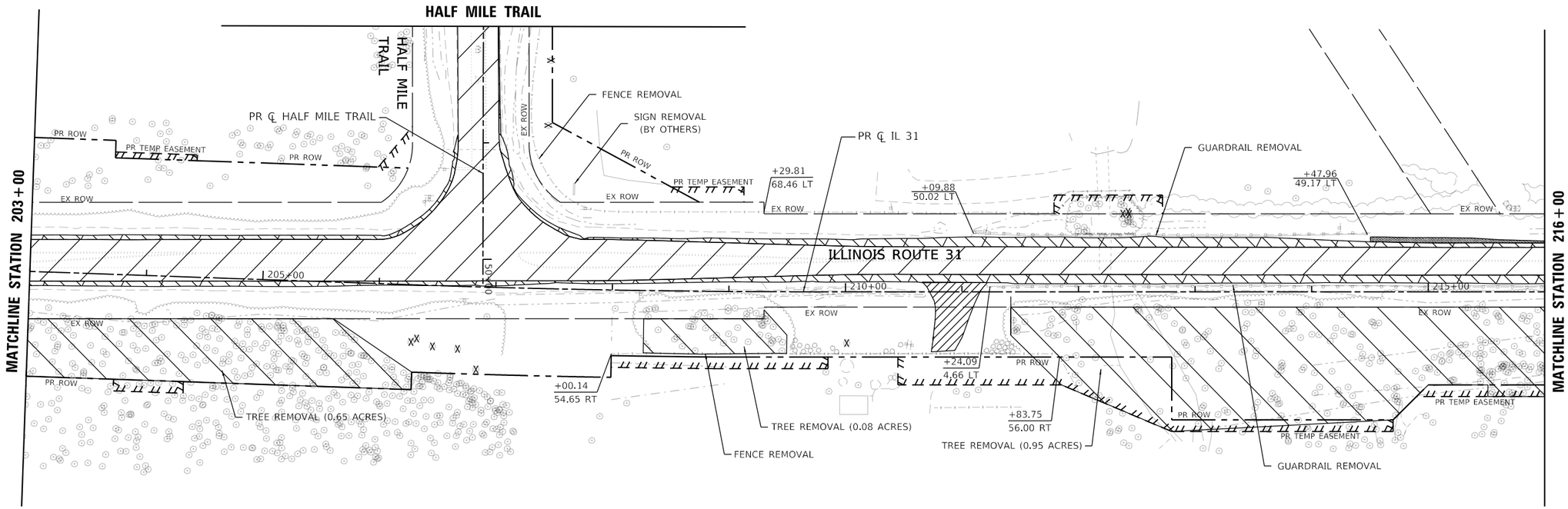
SCALE: 1"=50' | SHEET 3 OF 13 SHEETS | STA. 165+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	65
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.





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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 13 SHEETS | STA. 190+00 TO STA. 216+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	66
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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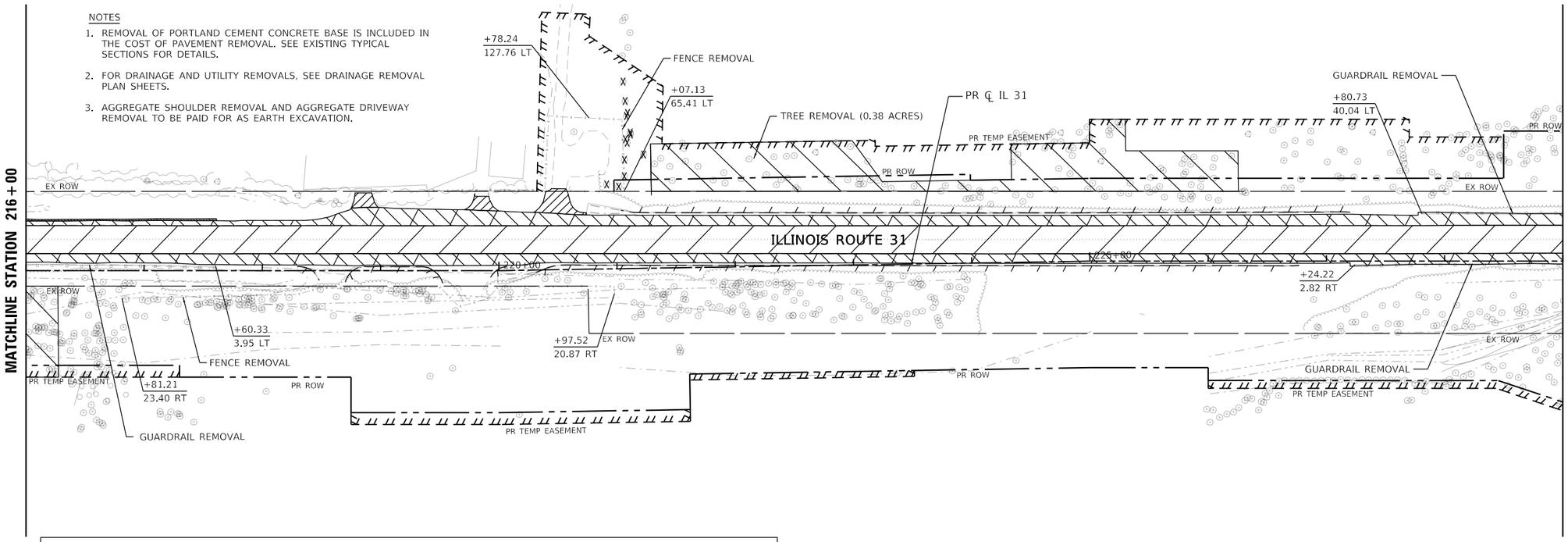
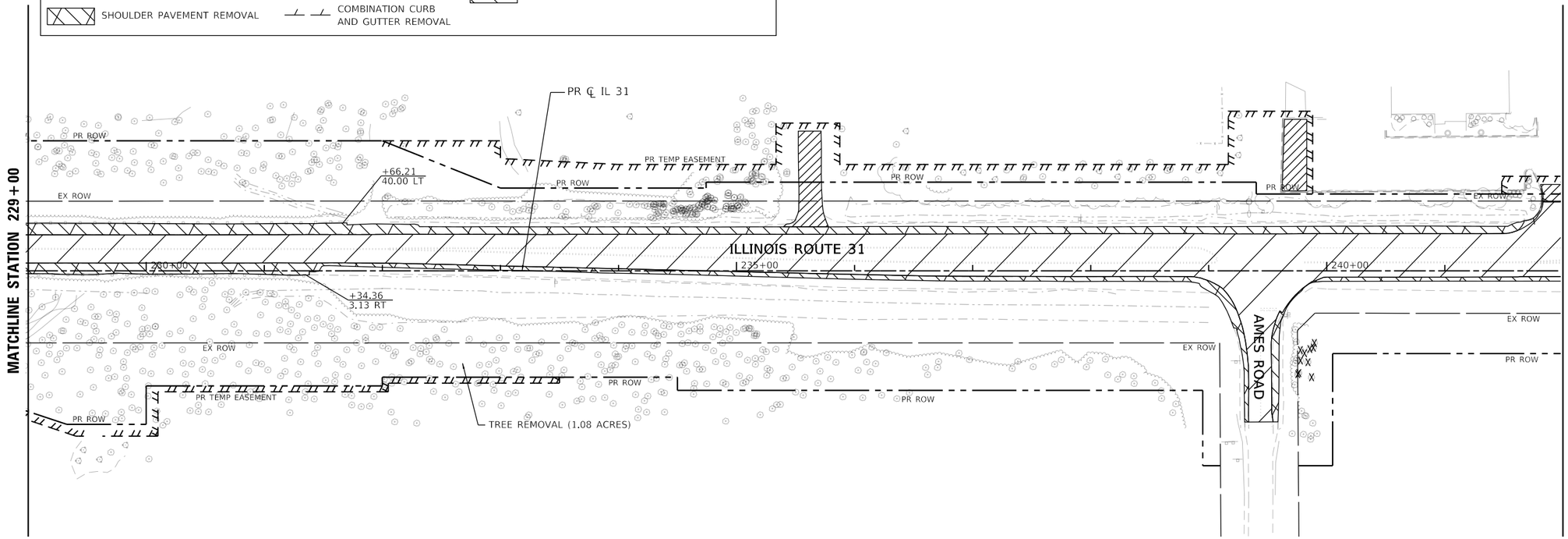
NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.



ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)



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PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

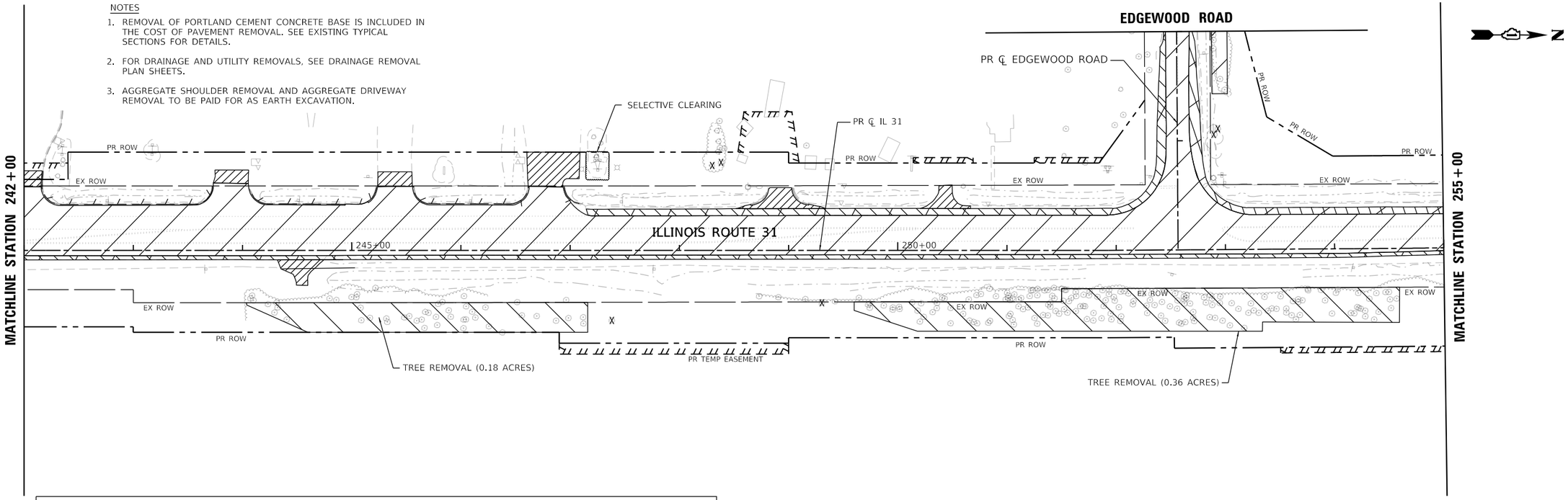
ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 13 SHEETS | STA. 216+00 TO STA. 242+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	67
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

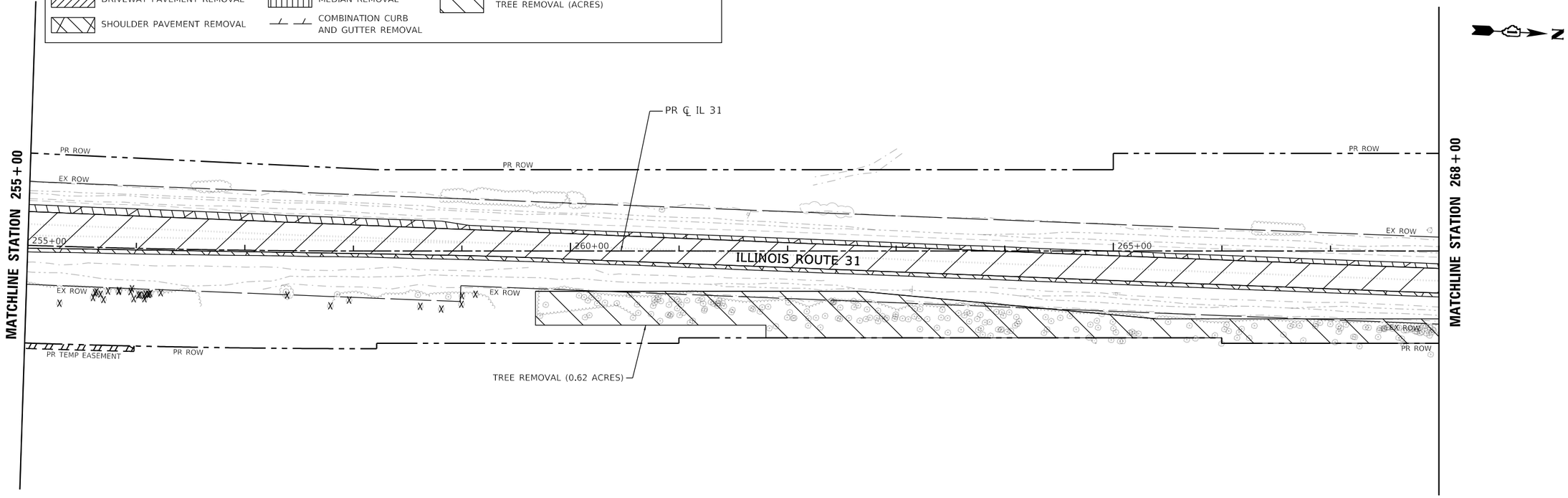
NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.



ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)



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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 13 SHEETS | STA. 242+00 TO STA. 268+00

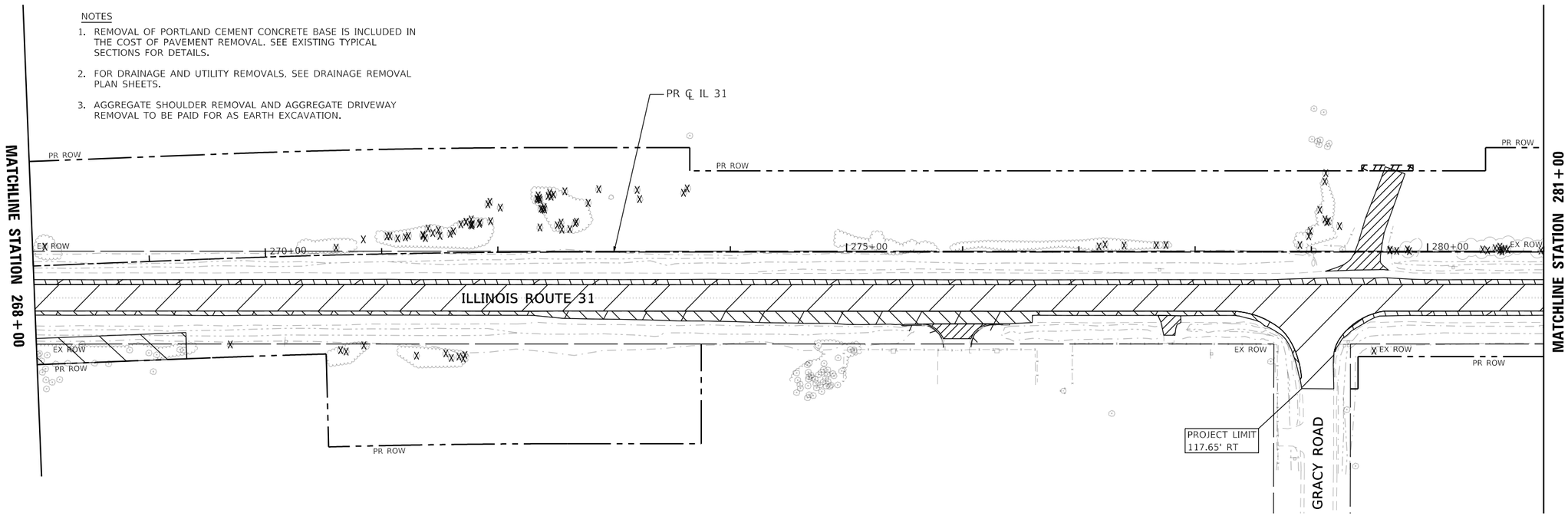
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	68

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

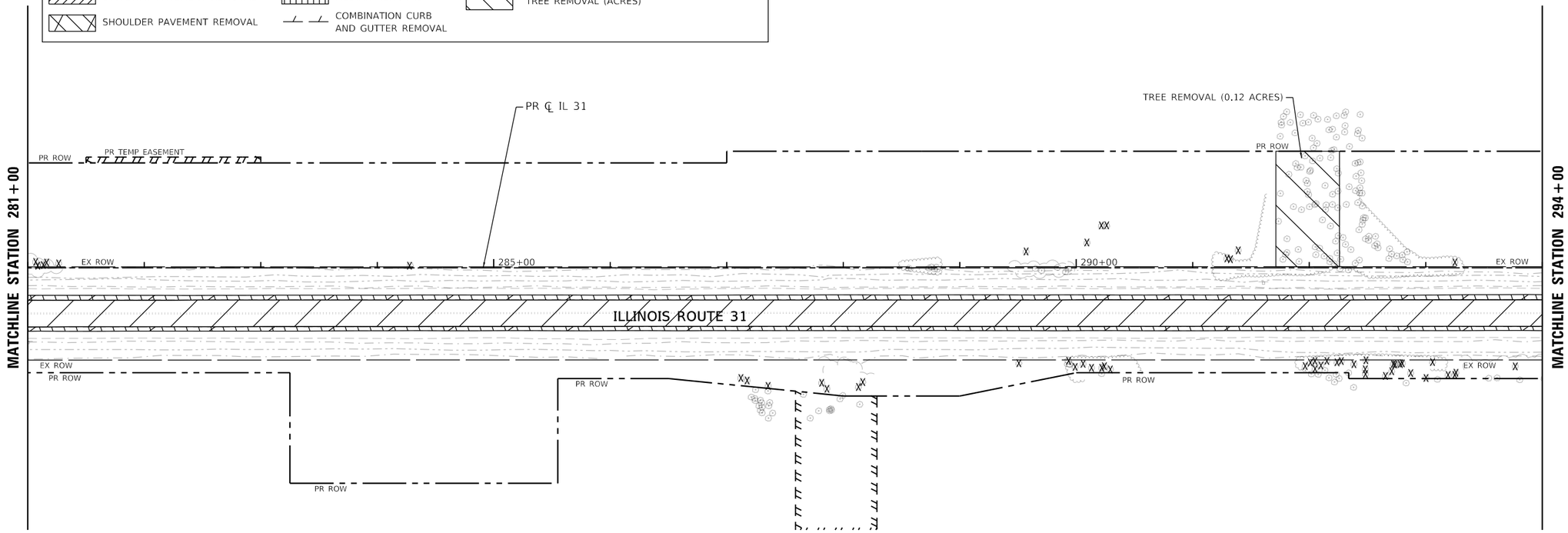
NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.



ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)



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PATRICK a RAJA company

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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

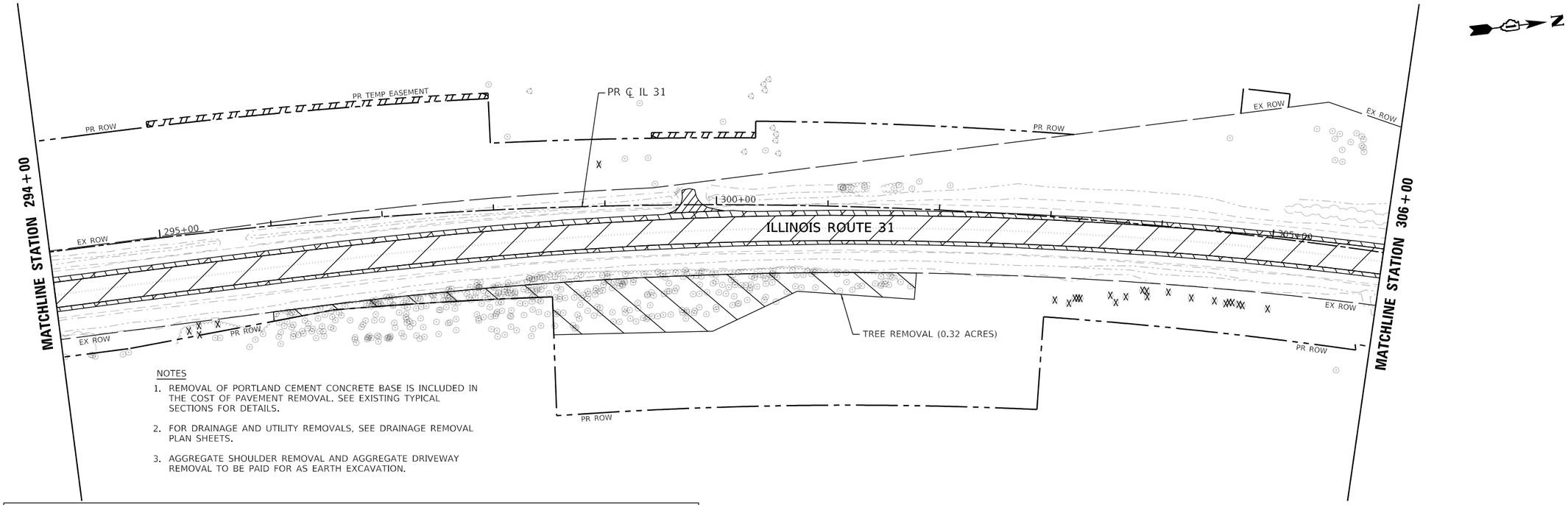
ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 13 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	69

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

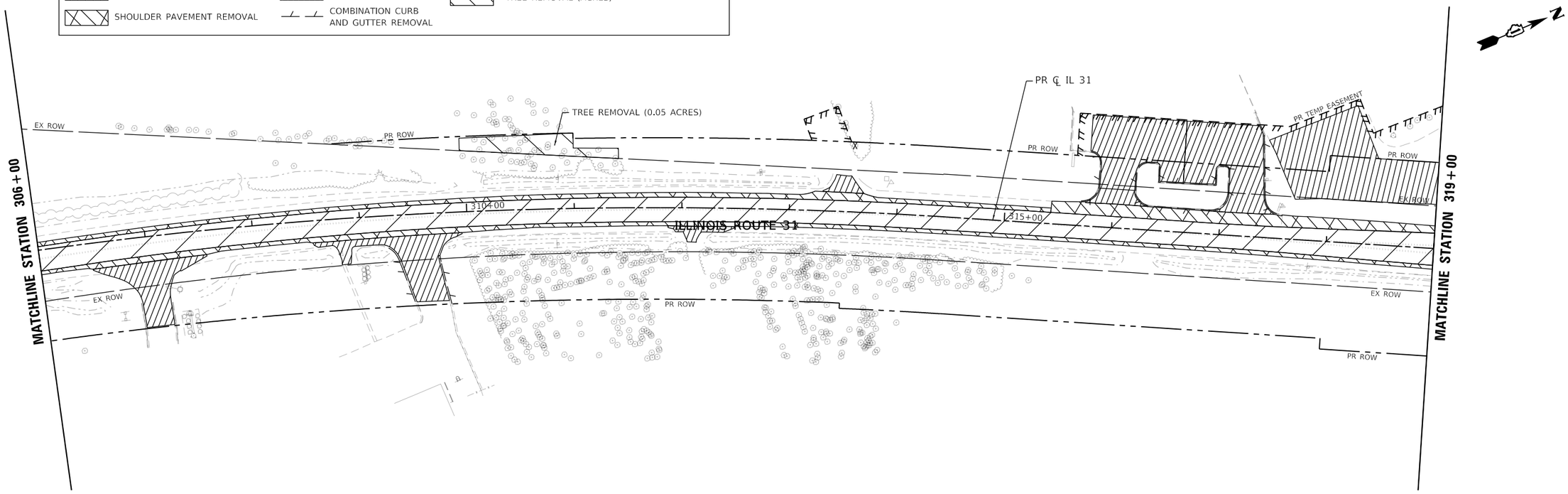


NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.

ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)



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	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

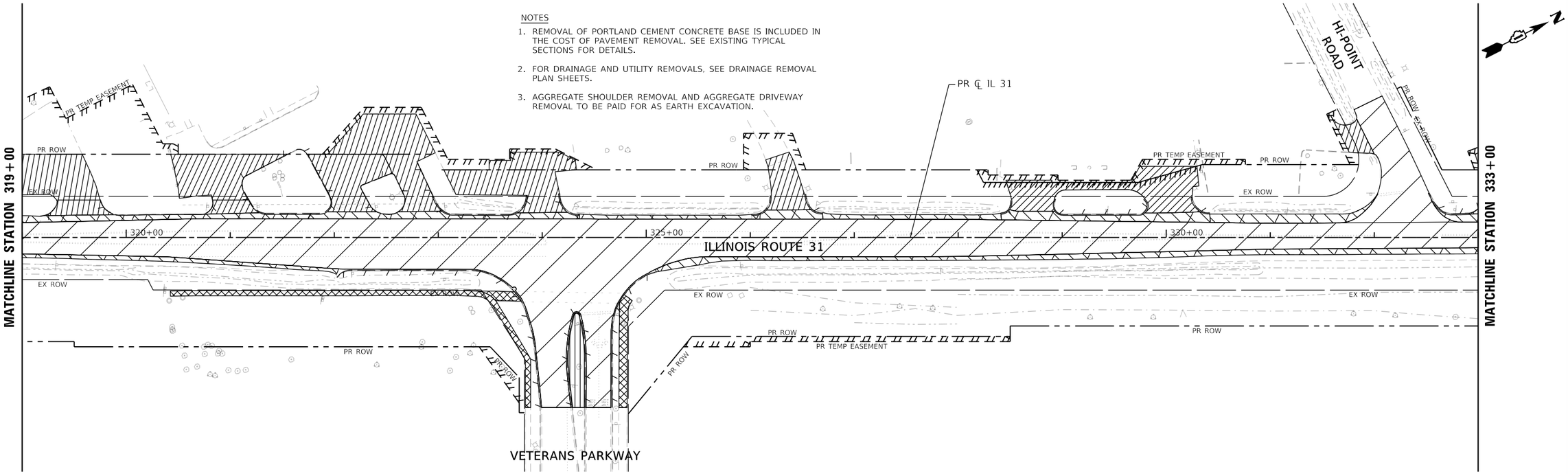
ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 13 SHEETS | STA. 294+00 TO STA. 319+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	70
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

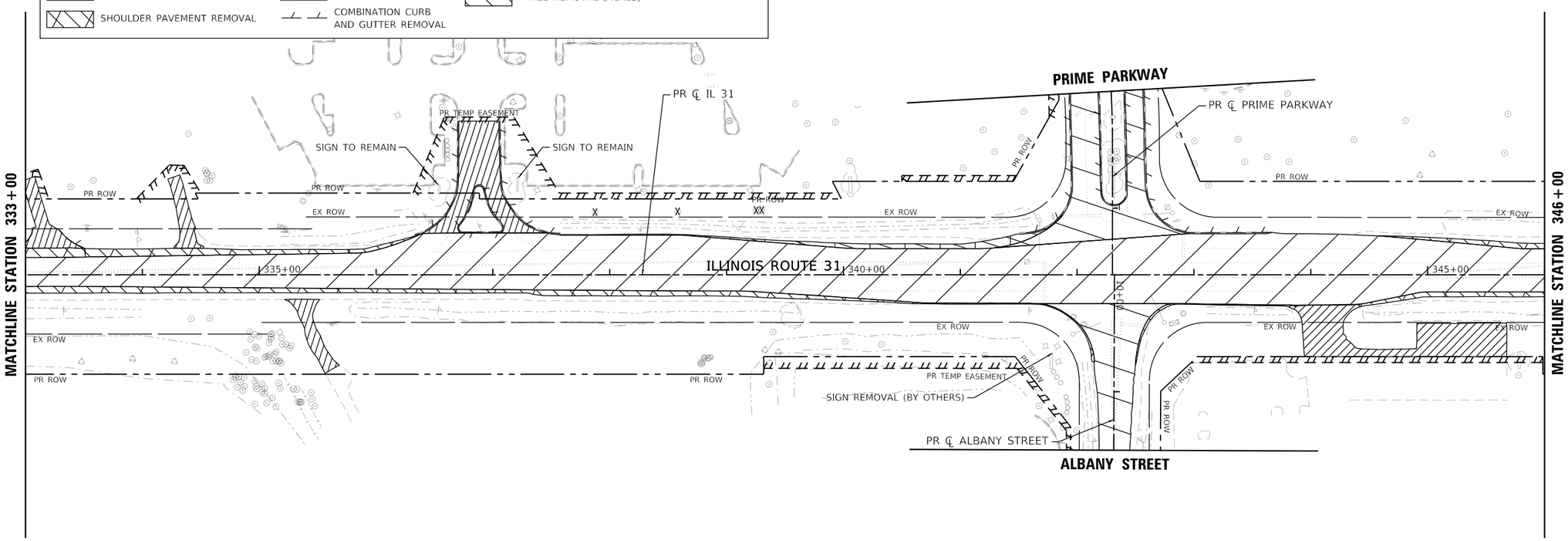
NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.



ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)



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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

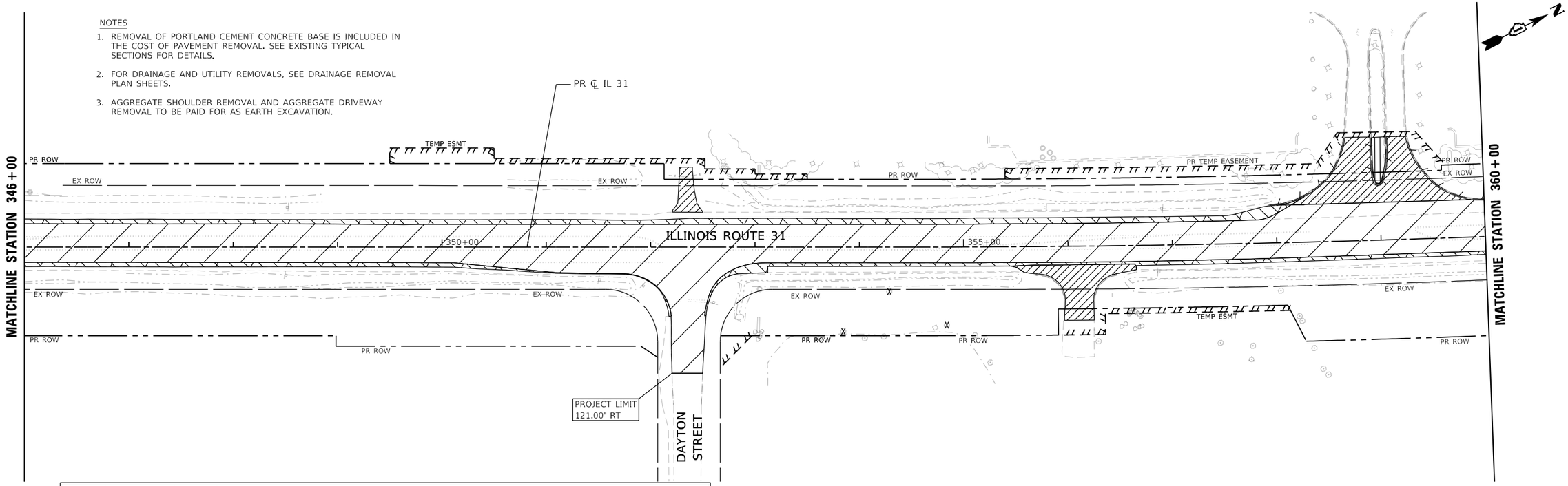
ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 13 SHEETS | STA. 319+00 TO STA. 346+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	71
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

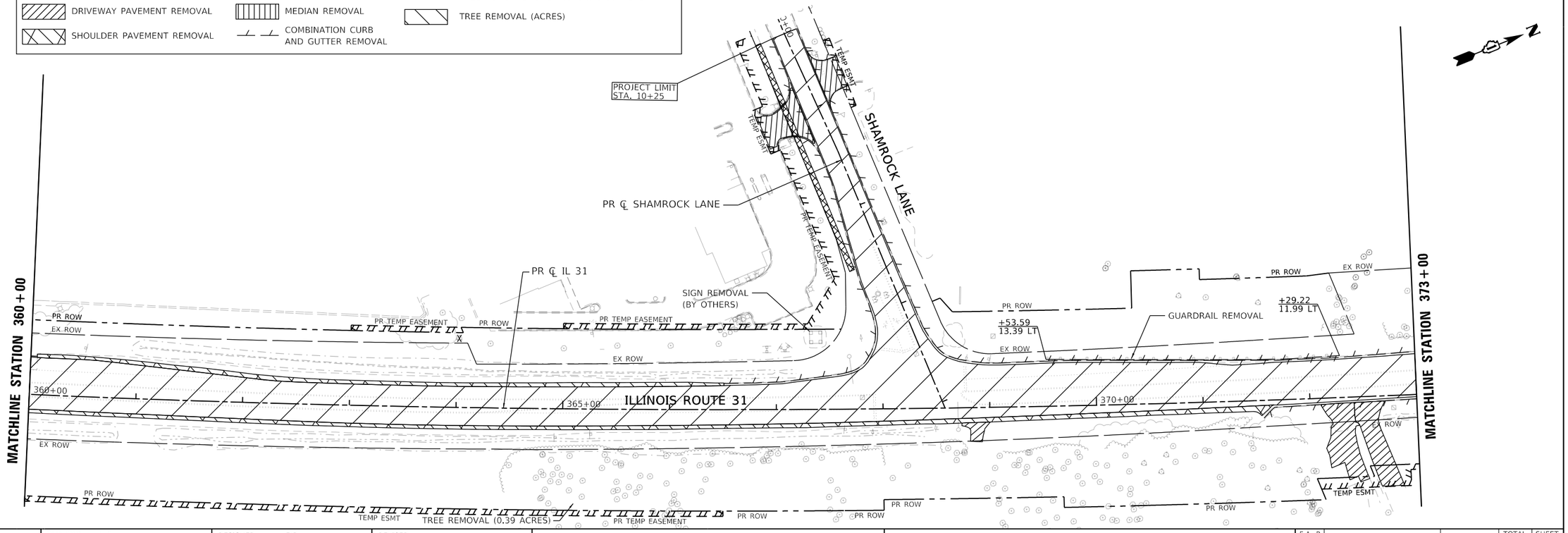
NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.



ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)



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PATRICK a RSJR company

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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

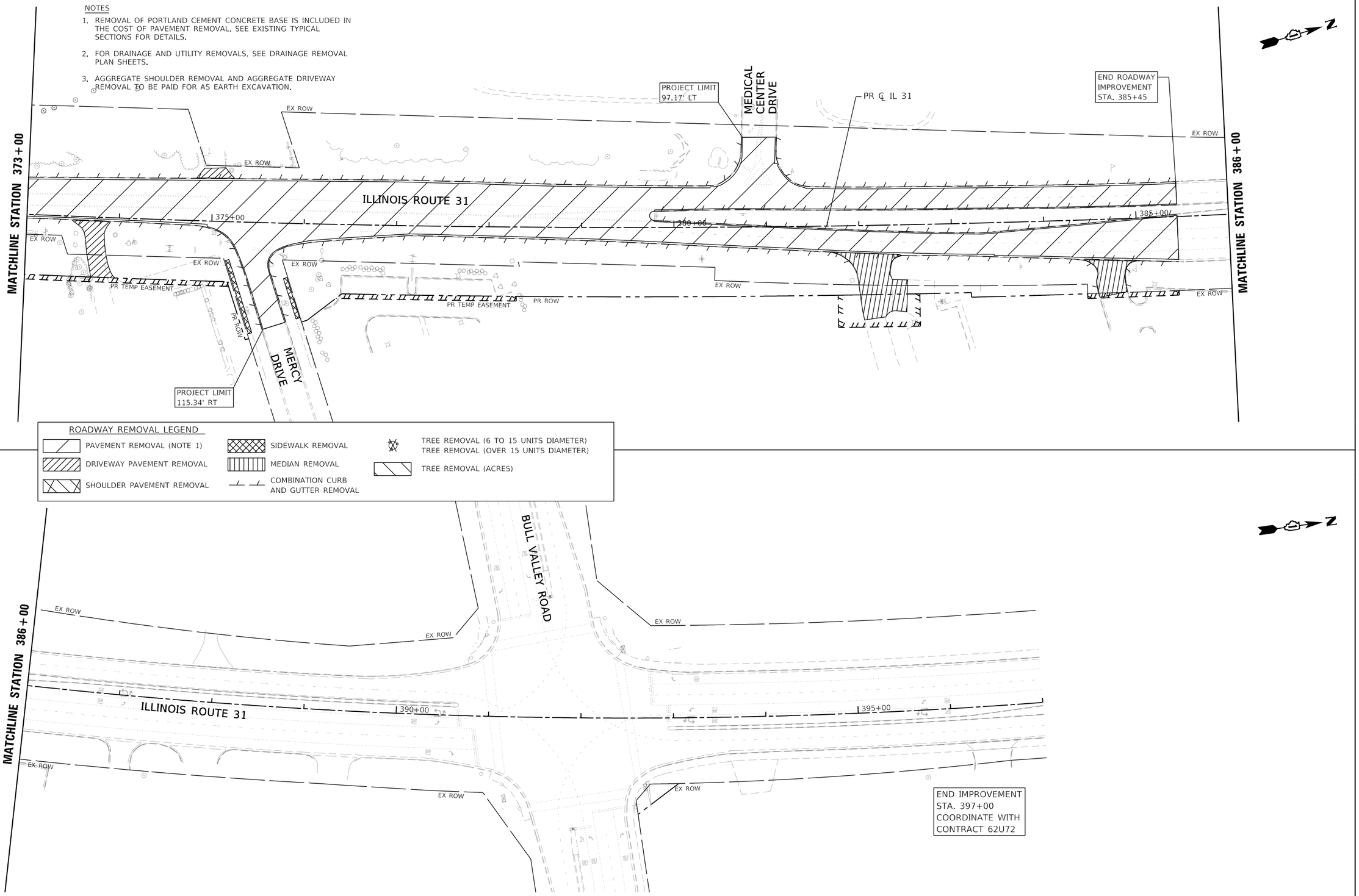
ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 13 SHEETS | STA. 346+00 TO STA. 373+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	72
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.



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PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

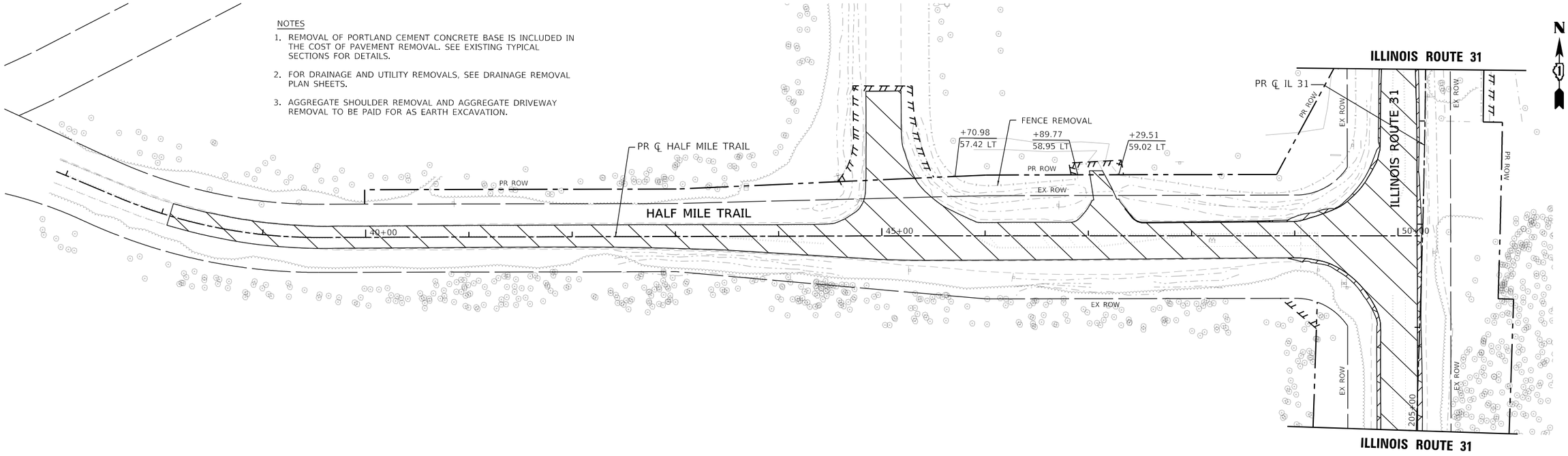
ROADWAY REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 13 SHEETS | STA. 373+00 TO STA. 397+00

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	73
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

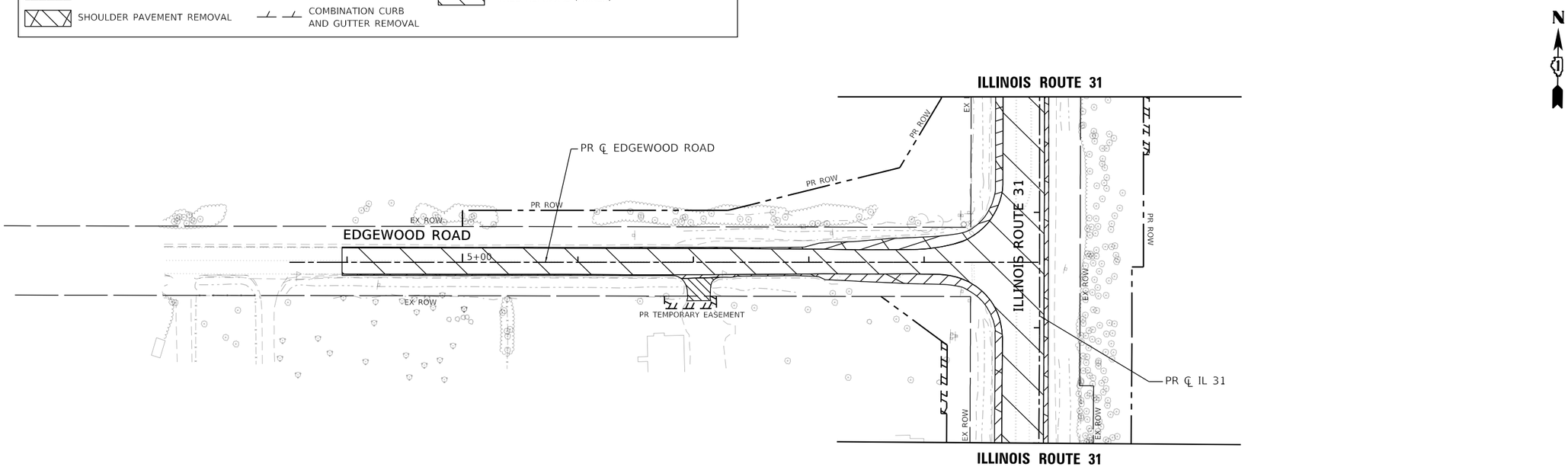
NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.



ROADWAY REMOVAL LEGEND

PAVEMENT REMOVAL (NOTE 1)	SIDEWALK REMOVAL	TREE REMOVAL (6 TO 15 UNITS DIAMETER) TREE REMOVAL (OVER 15 UNITS DIAMETER)
DRIVEWAY PAVEMENT REMOVAL	MEDIAN REMOVAL	TREE REMOVAL (ACRES)
SHOULDER PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	



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PATRICK a RSR company	USER NAME = bwitort	DESIGNED - EJB	REVISED -
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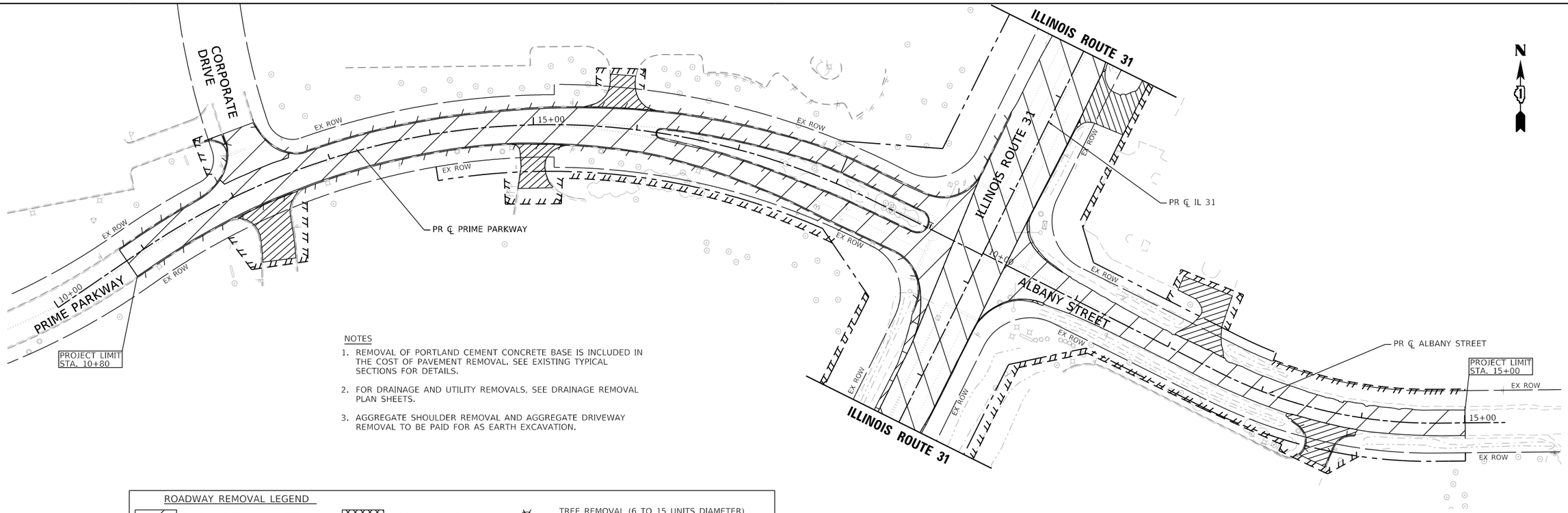
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY REMOVAL PLAN
HALF MILE TRAIL AND EDGEWOOD ROAD

SCALE: 1"=50' | SHEET 12 OF 13 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	74
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. REMOVAL OF PORTLAND CEMENT CONCRETE BASE IS INCLUDED IN THE COST OF PAVEMENT REMOVAL. SEE EXISTING TYPICAL SECTIONS FOR DETAILS.
2. FOR DRAINAGE AND UTILITY REMOVALS, SEE DRAINAGE REMOVAL PLAN SHEETS.
3. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTH EXCAVATION.

ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL (NOTE 1)
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- TREE REMOVAL (OVER 15 UNITS DIAMETER)
- TREE REMOVAL (ACRES)

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PATRICK a RJN company

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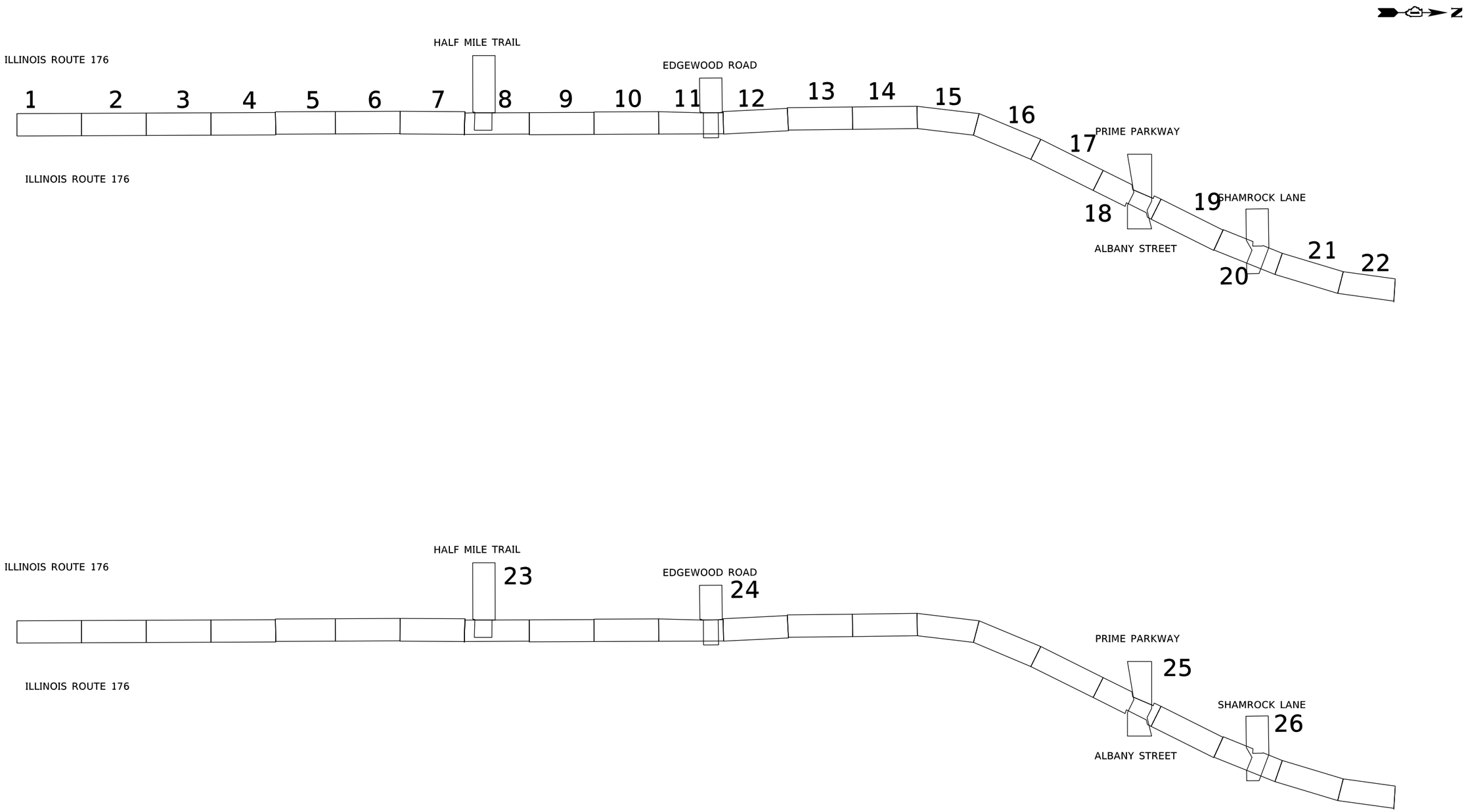
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY REMOVAL PLAN
PRIME PARKWAY/ALBANY STREET

SCALE: 1"=50' | SHEET 13 OF 13 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	75
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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PATRICK a RJR company	USER NAME = bwitort	DESIGNED - BAW	REVISED -
		DRAWN - BAW	REVISED -
	PLOT SCALE = 2000.0000 ' / in.	CHECKED - KE	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

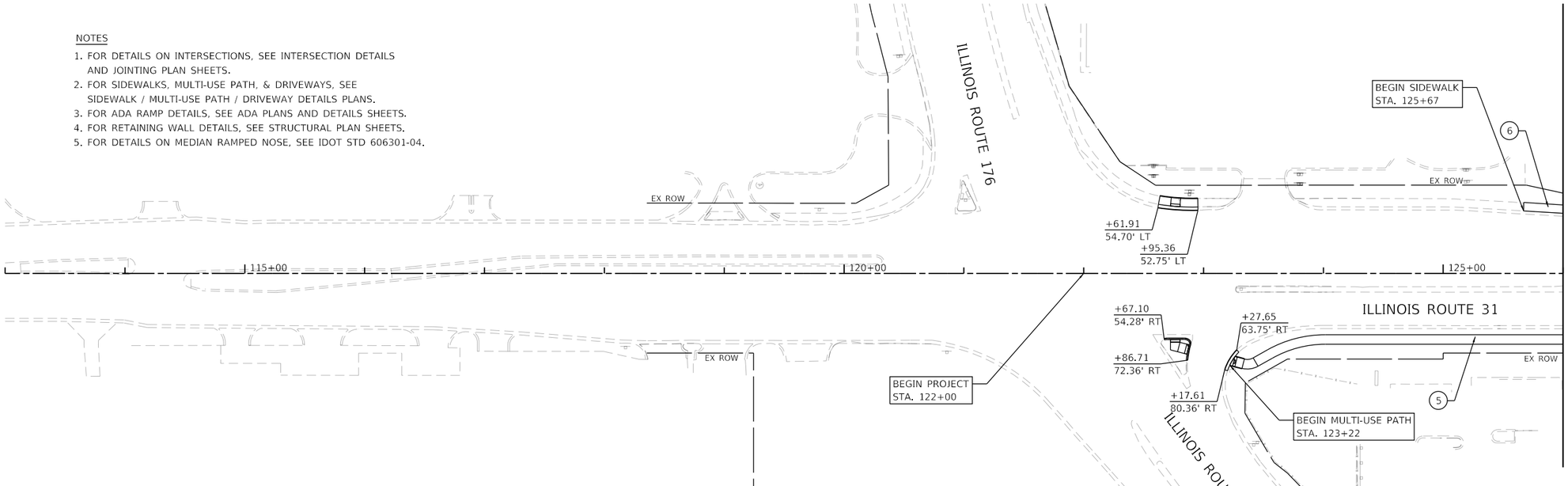
ROADWAY PLAN AND PROFILE SHEET LAYOUT
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	76
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

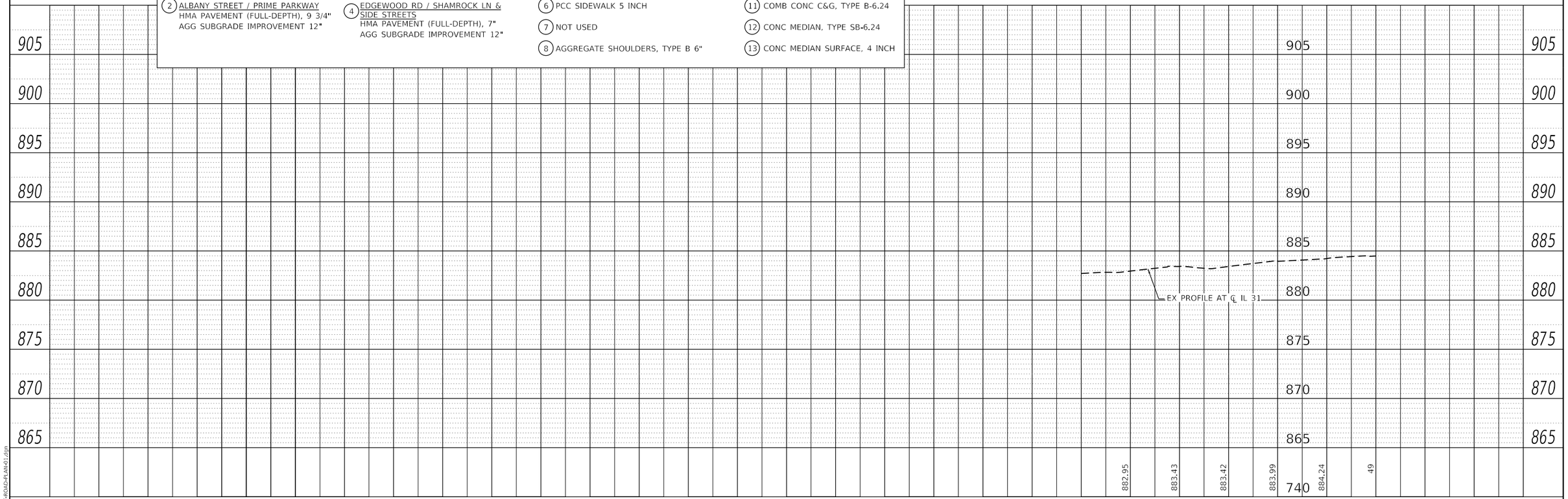
NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH



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PATRICK a RAM company

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	DRAWN - EJB	REVISED -	
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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 26 SHEETS | STA. 113+00 TO STA. 126+00

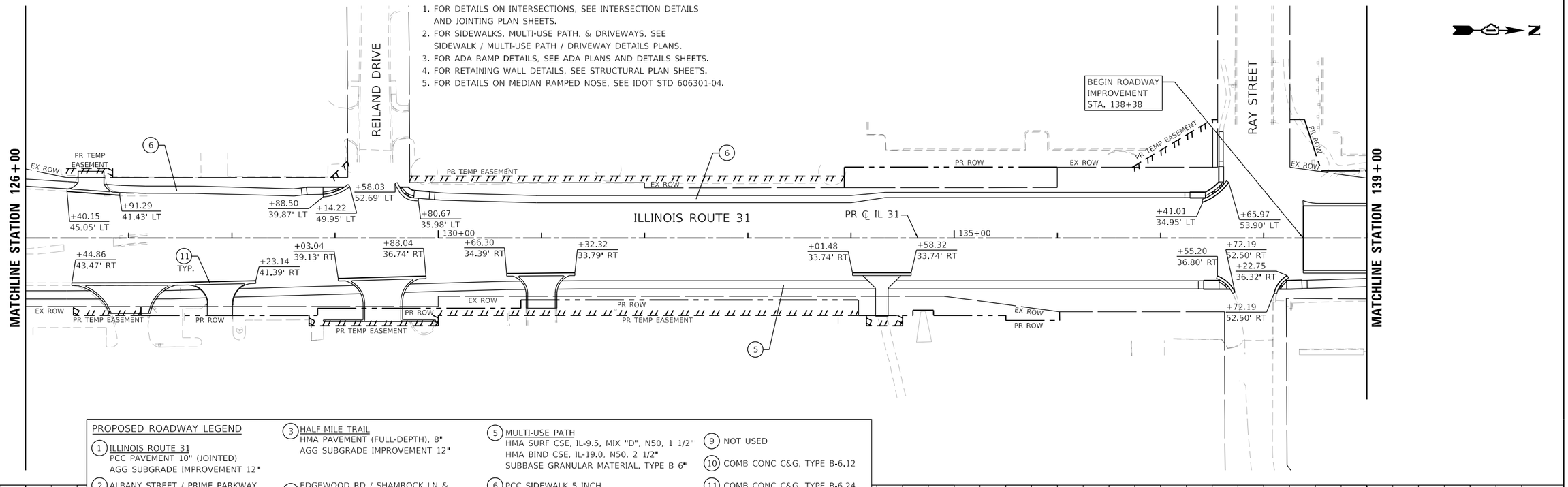
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	77

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

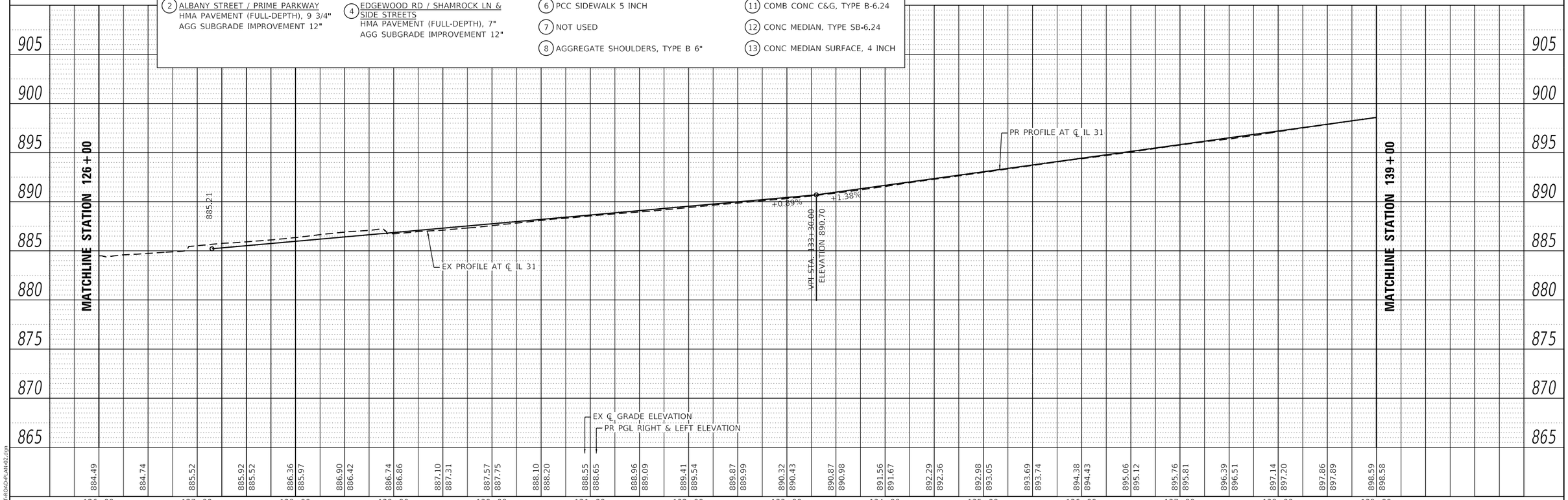
NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH



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PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

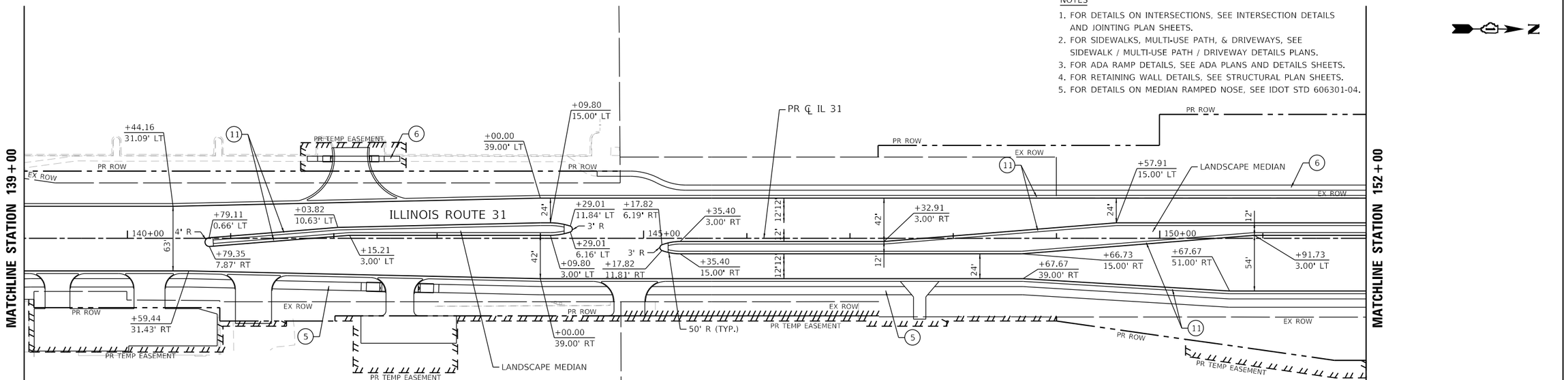
ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 26 SHEETS | STA. 126+00 | TO STA. 139+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	78
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

NOTES

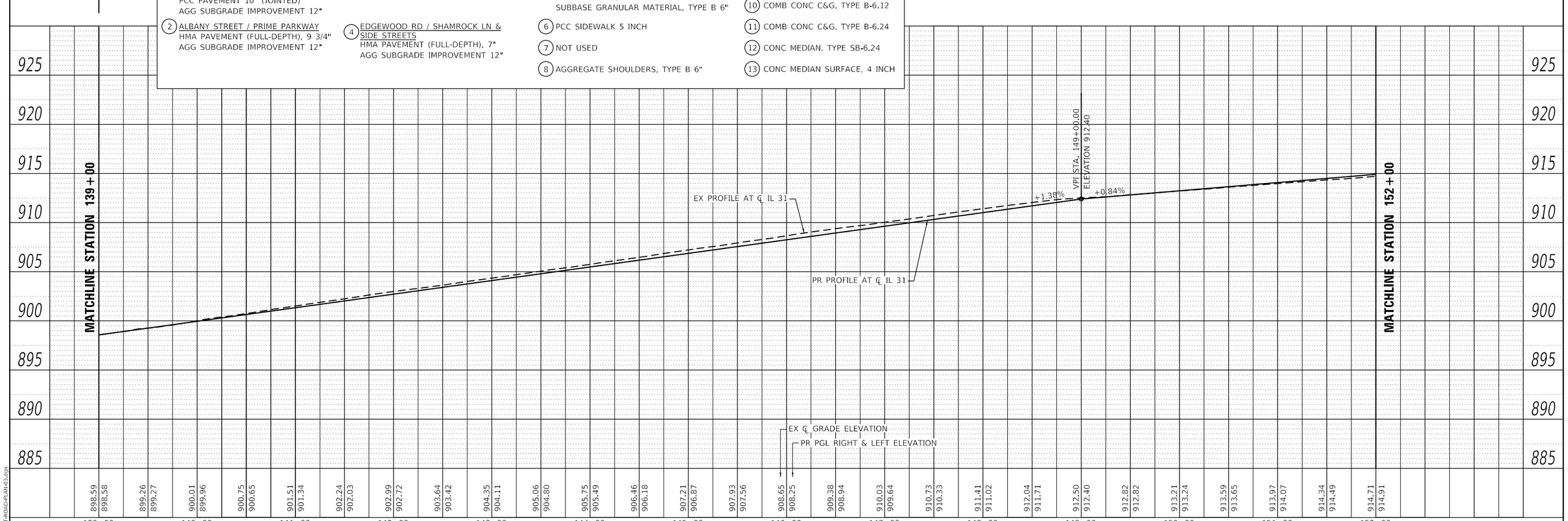
1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., DATE, BY



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PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 26 SHEETS | STA. 139+00 | TO STA. 152+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	79
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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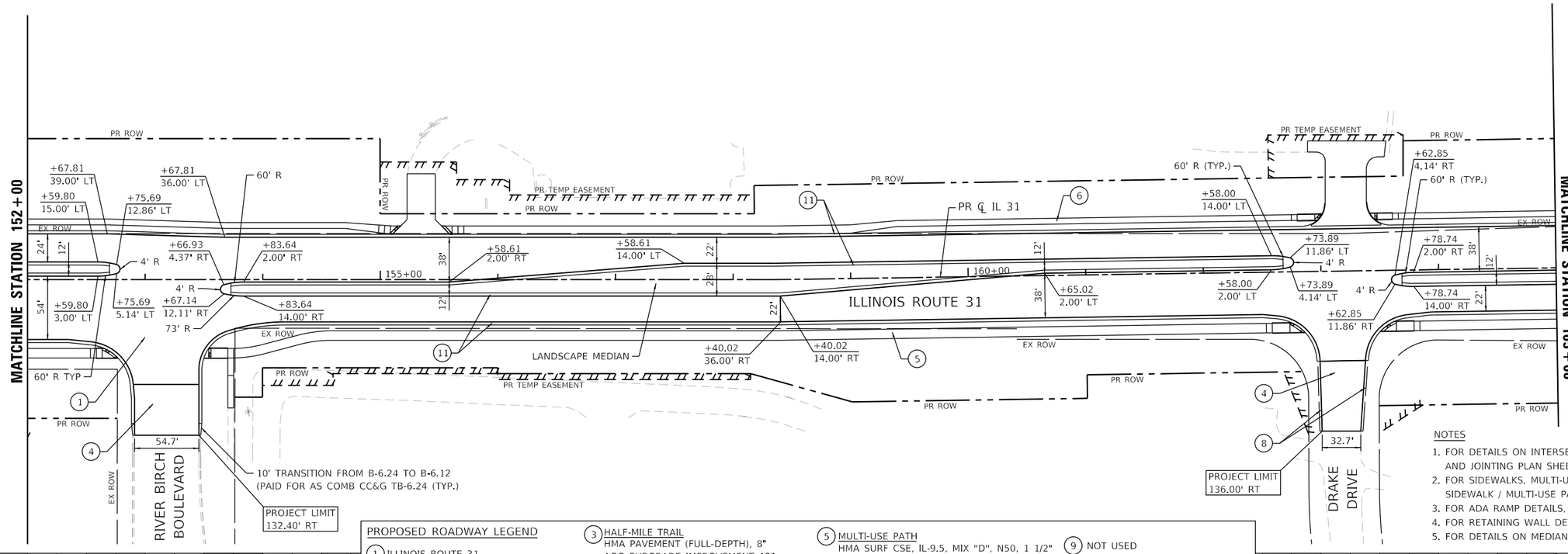


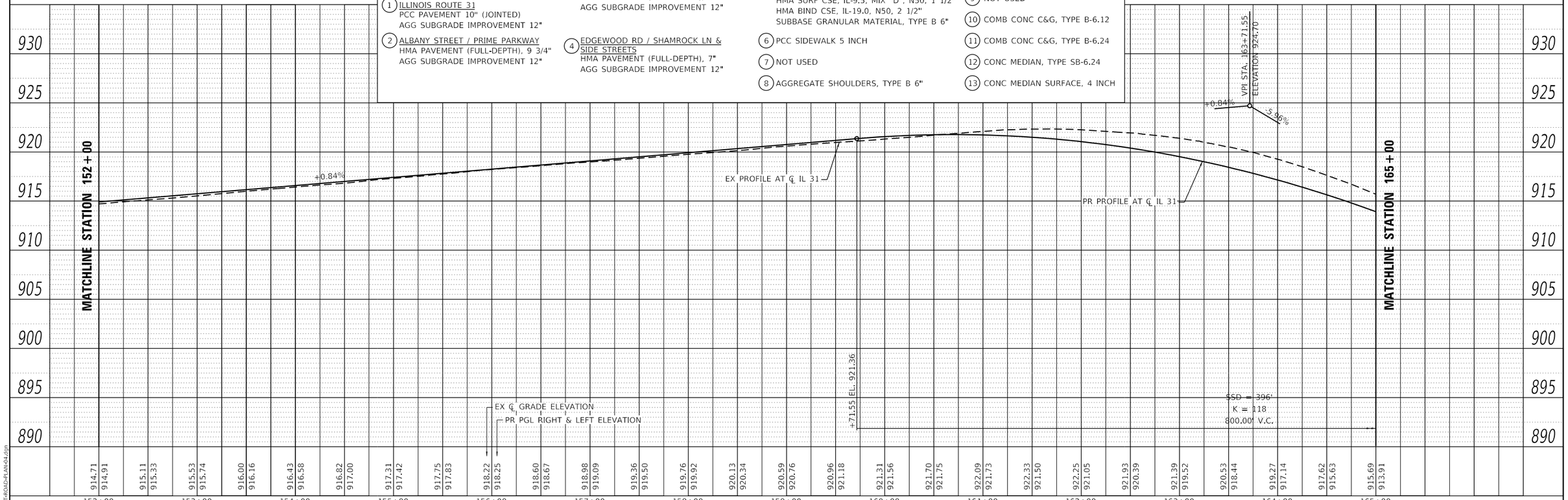
PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE



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PATRICK a kpfi company

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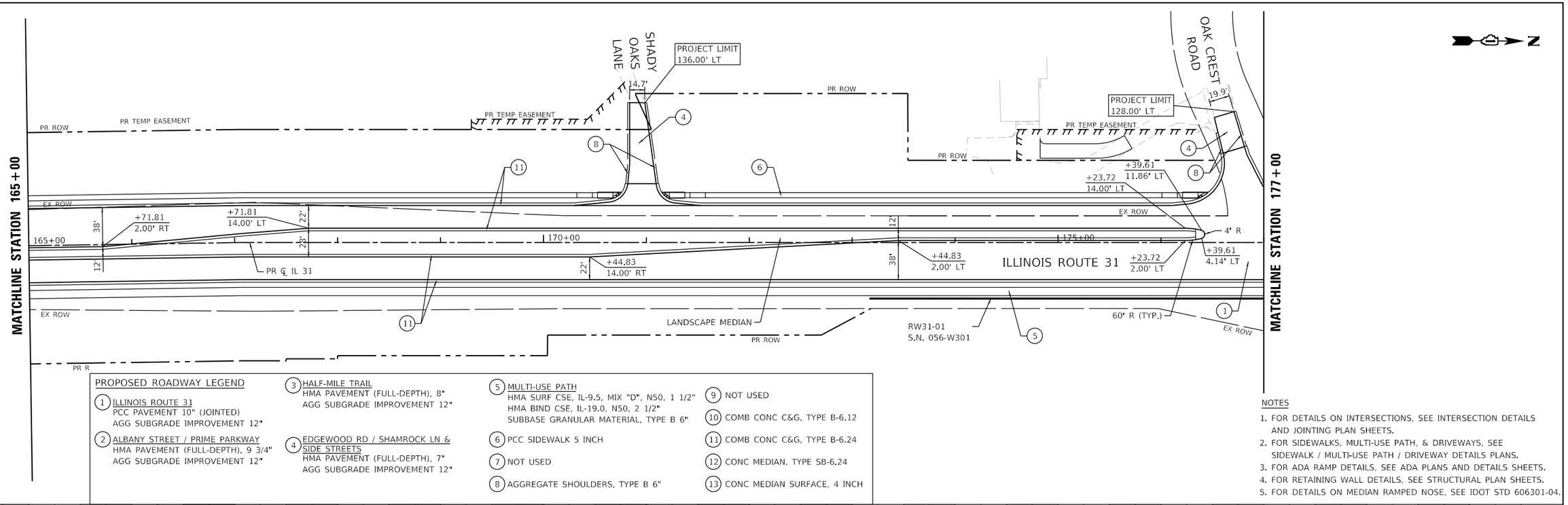
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 26 SHEETS | STA. 152+00 | TO STA. 165+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	80
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
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5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

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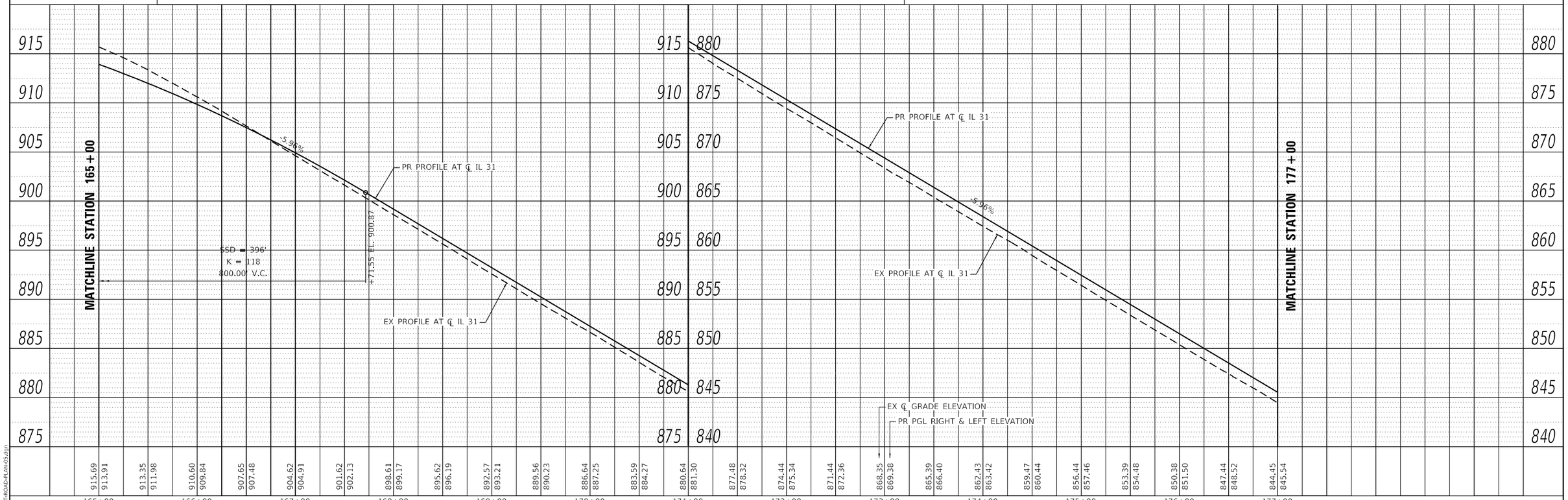

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PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 26 SHEETS | STA. 165+00 | TO STA. 177+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	81
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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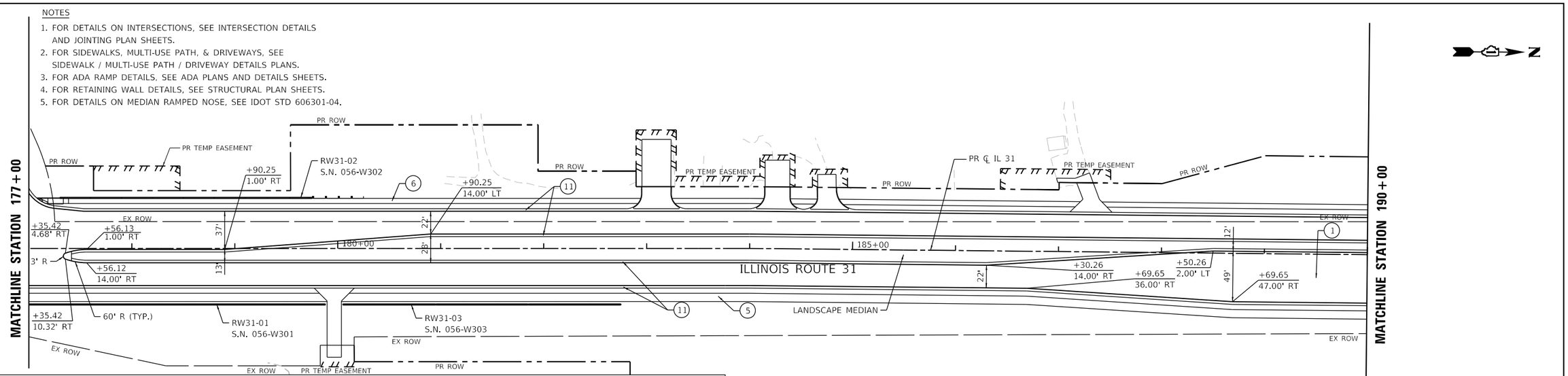
NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
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10. COMB CONC C&G, TYPE B-6.12
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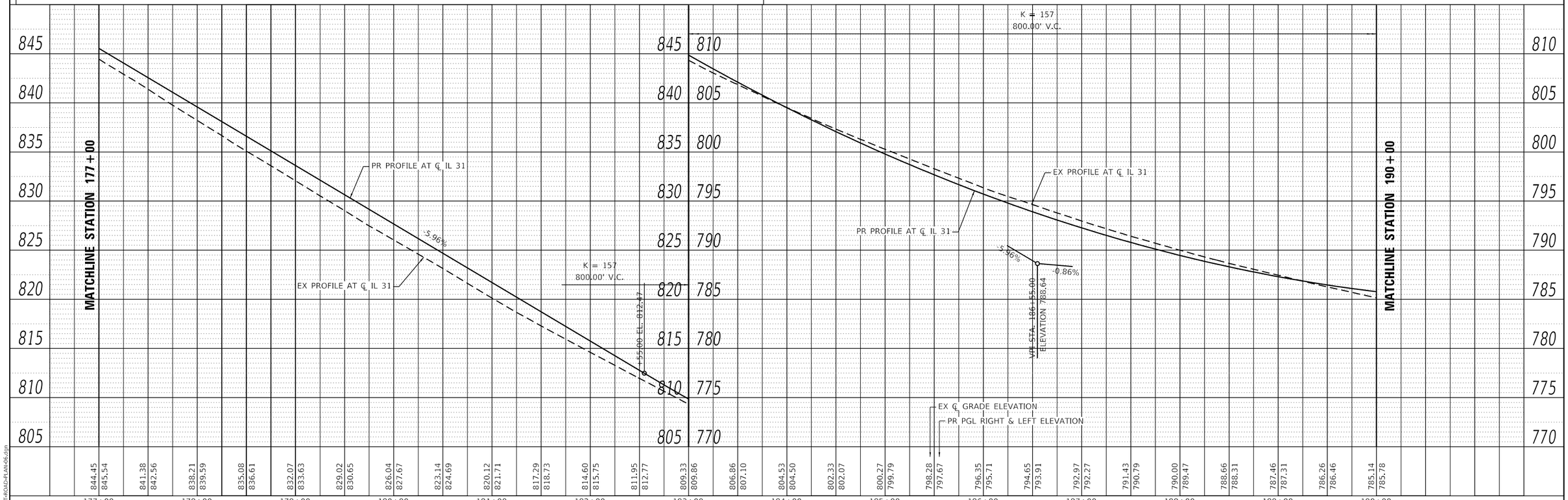

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PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 26 SHEETS | STA. 178+00 | TO STA. 190+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	82
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

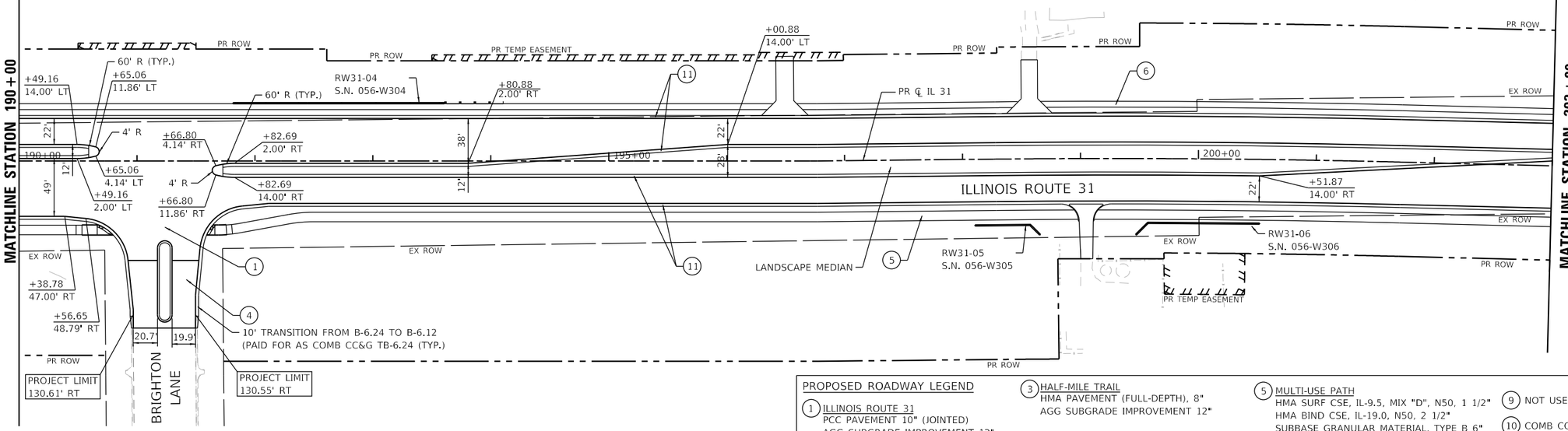
PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO'S&TN'S CHKD, NOTE BOOK, NO., BY, DATE

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-06.dgn

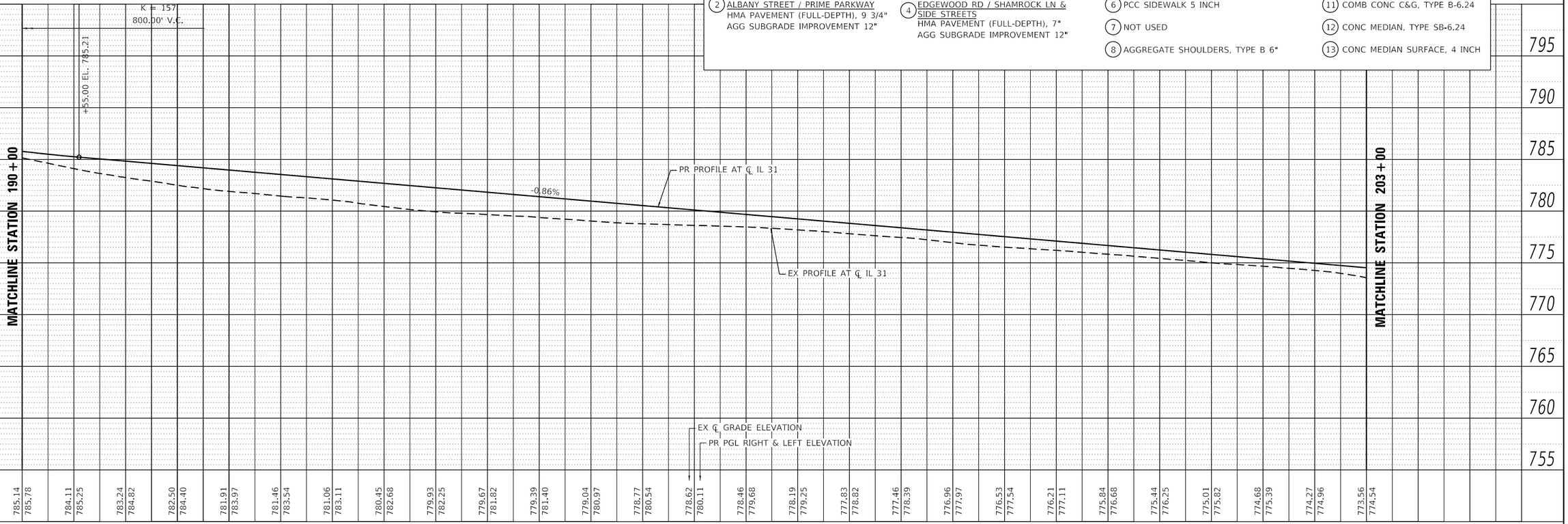
NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH



PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK NO. / BY / DATE

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-07.dgn

PATRICK a RAM company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

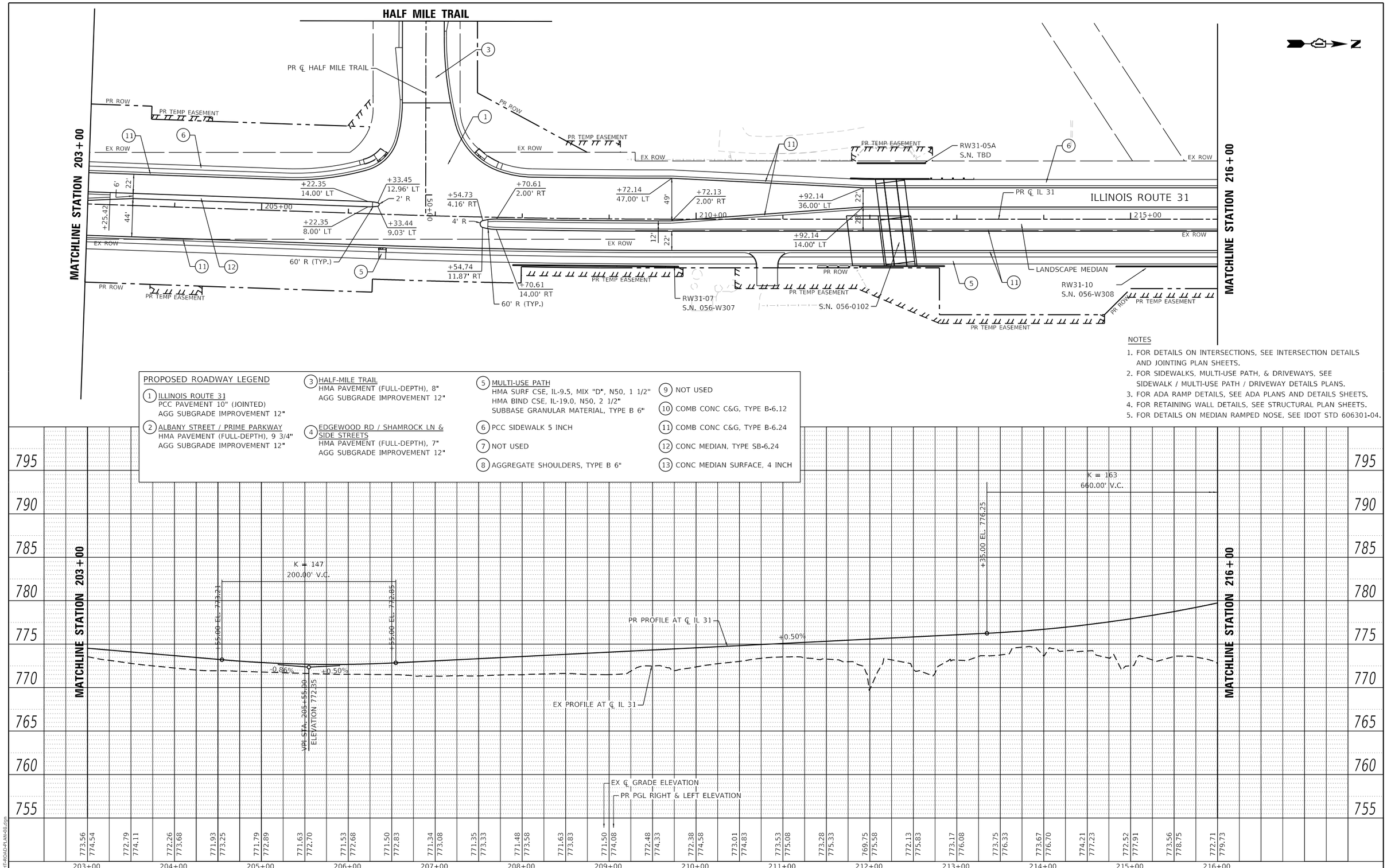
ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 26 SHEETS | STA. 190+00 TO STA. 203+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	83

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PLAN: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ BY ___ DATE ___

PROFILE: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTATNS CHKD ___ BY ___ DATE ___

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-08.dgn

PATRICK a RAM company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

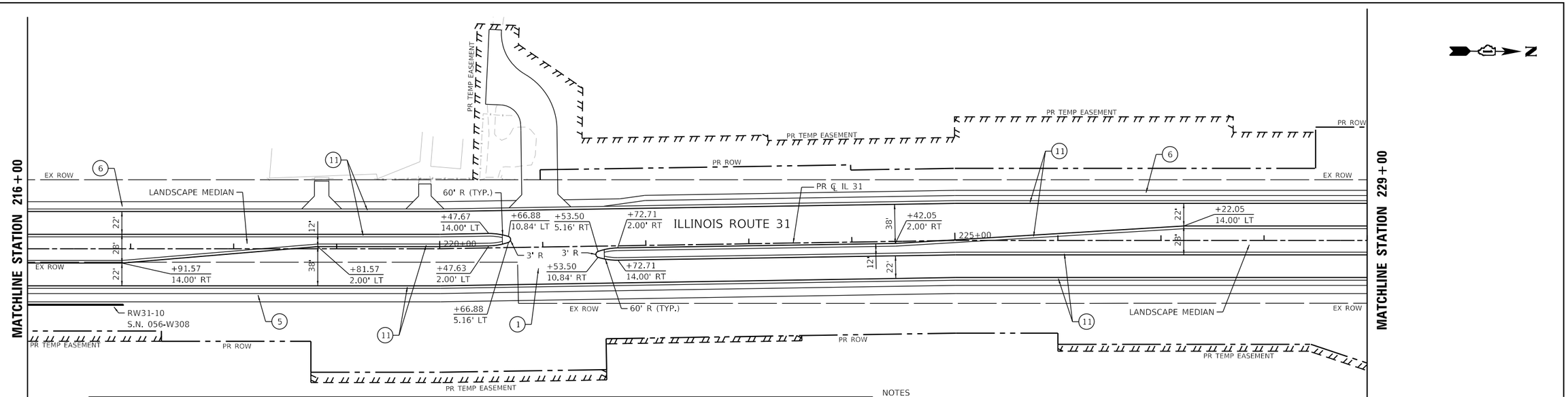
ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 26 SHEETS | STA. 203+00 TO STA. 216+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	84

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

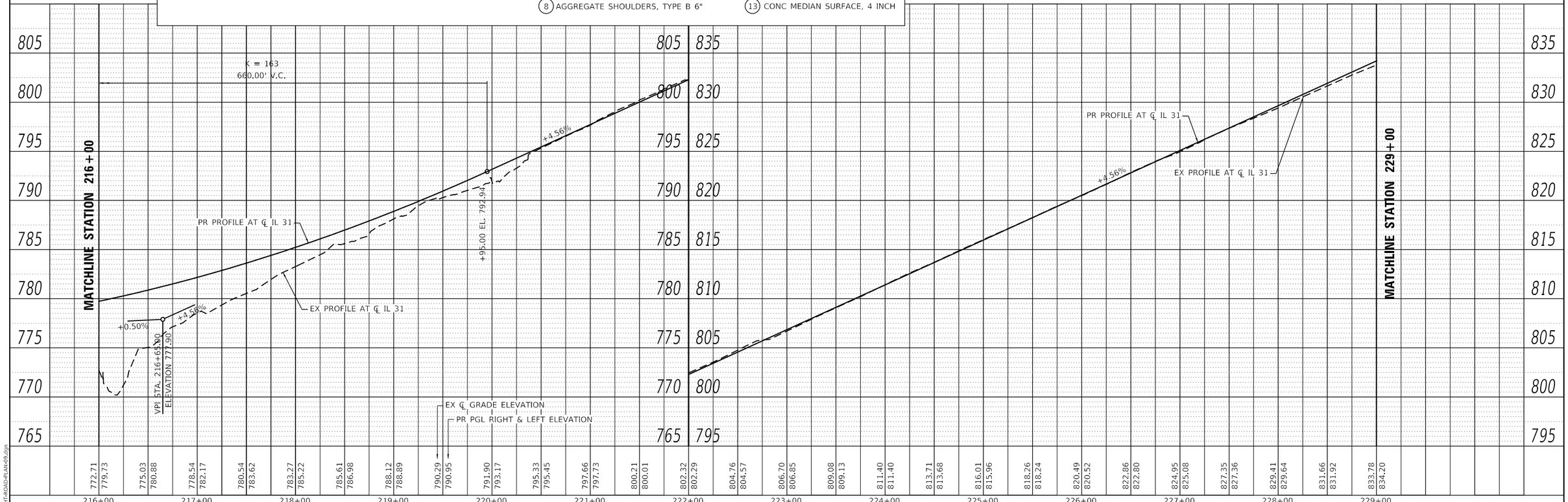


PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

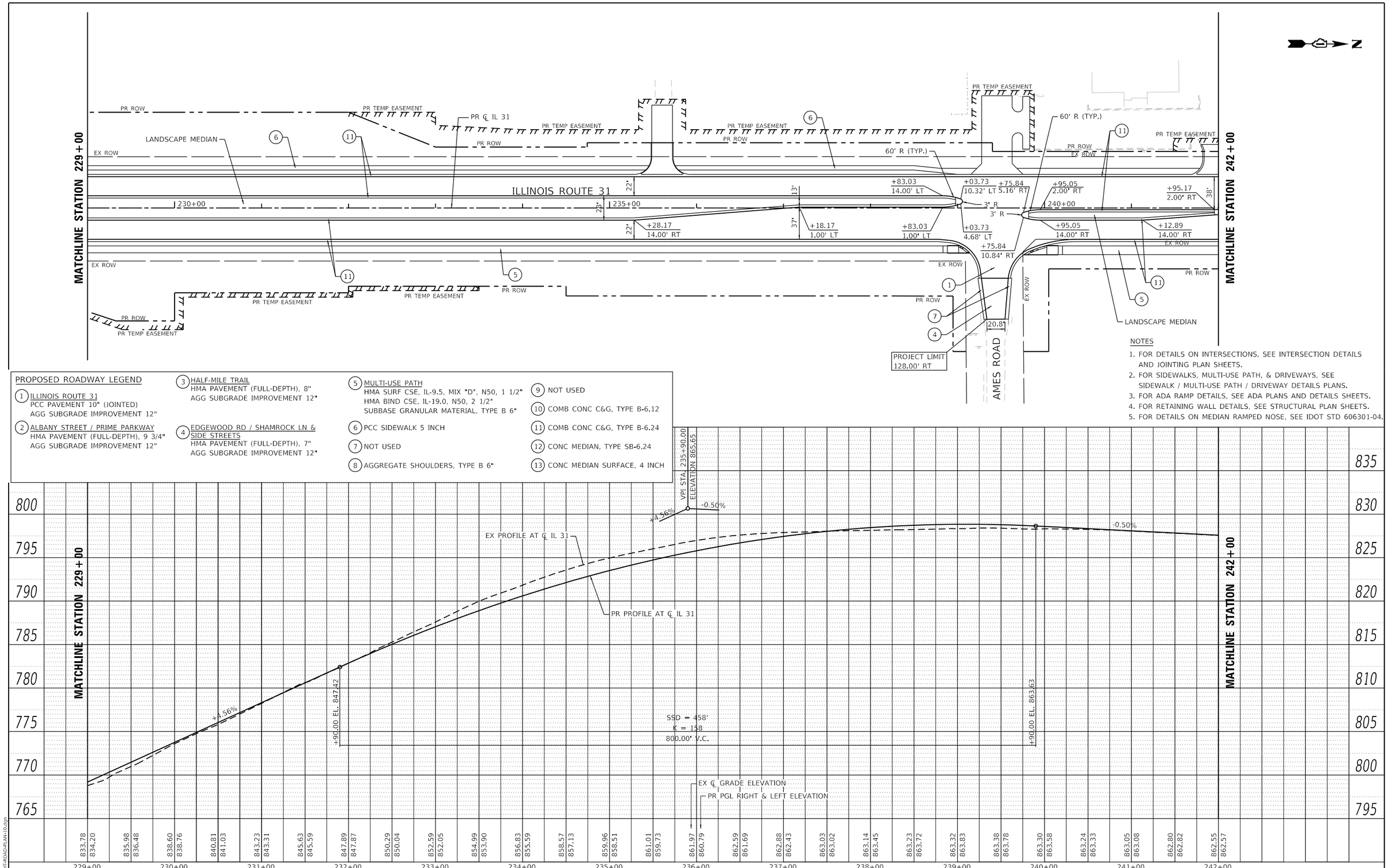
SCALE: 1"=50' | SHEET 9 OF 26 SHEETS | STA. 216+00 | TO STA. 229+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	85
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NoTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-09.dgn



NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK NO. / BY / DATE

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-10.dgn

PATRICK a RJN company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

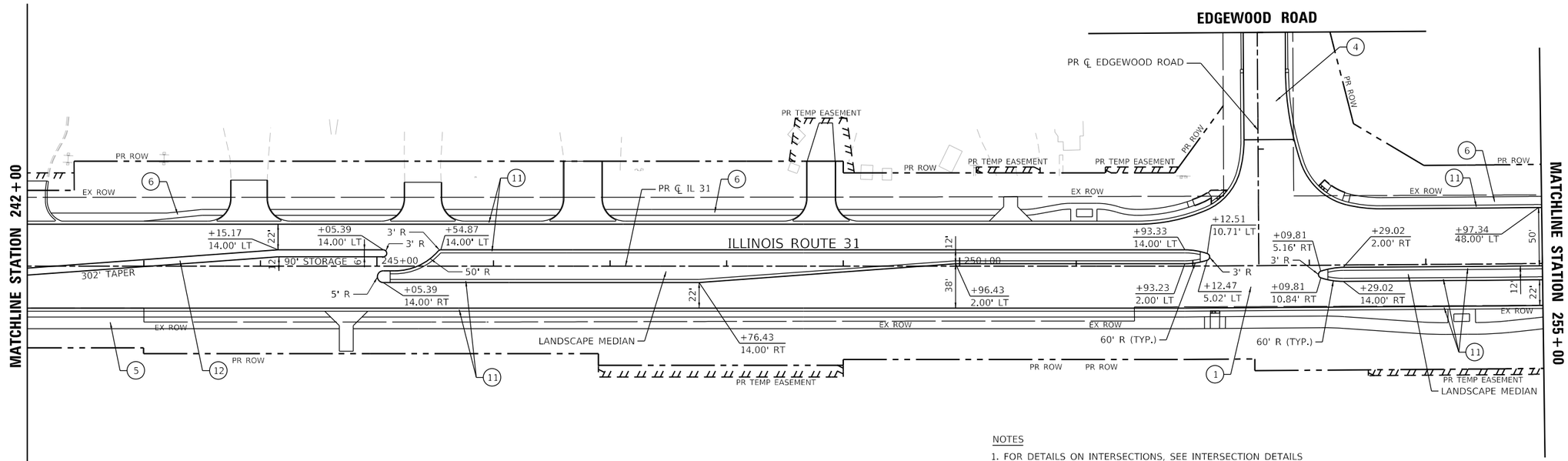
ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 26 SHEETS | STA. 229+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	86

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
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   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
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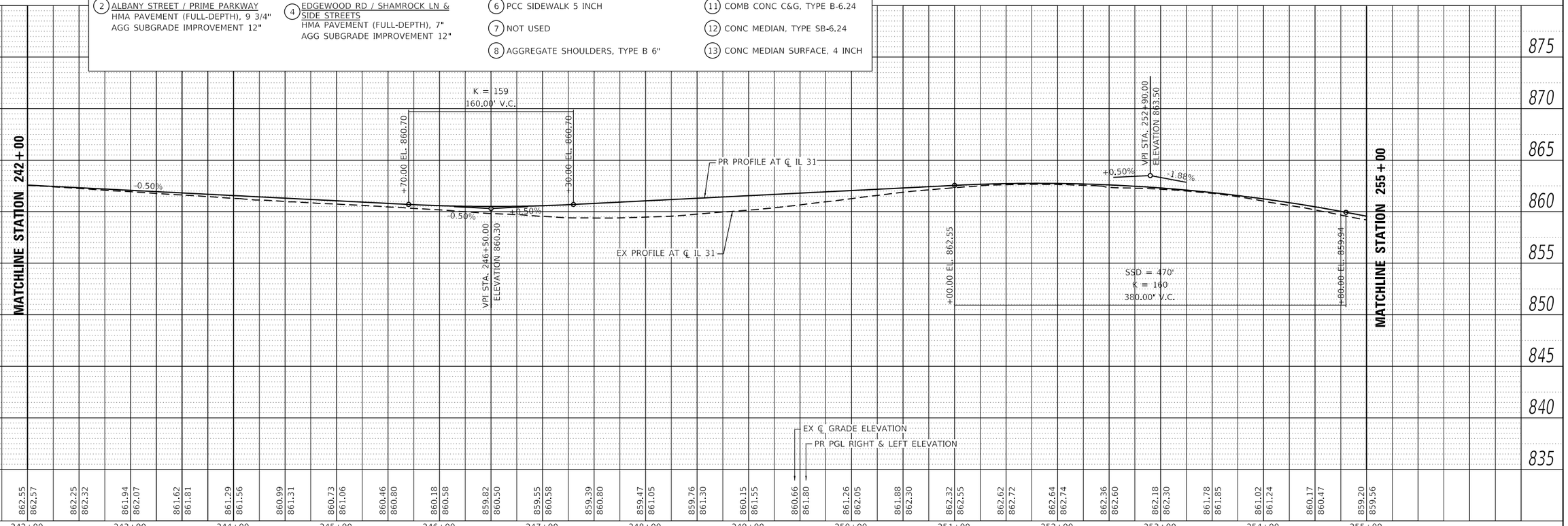
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



| | | |

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
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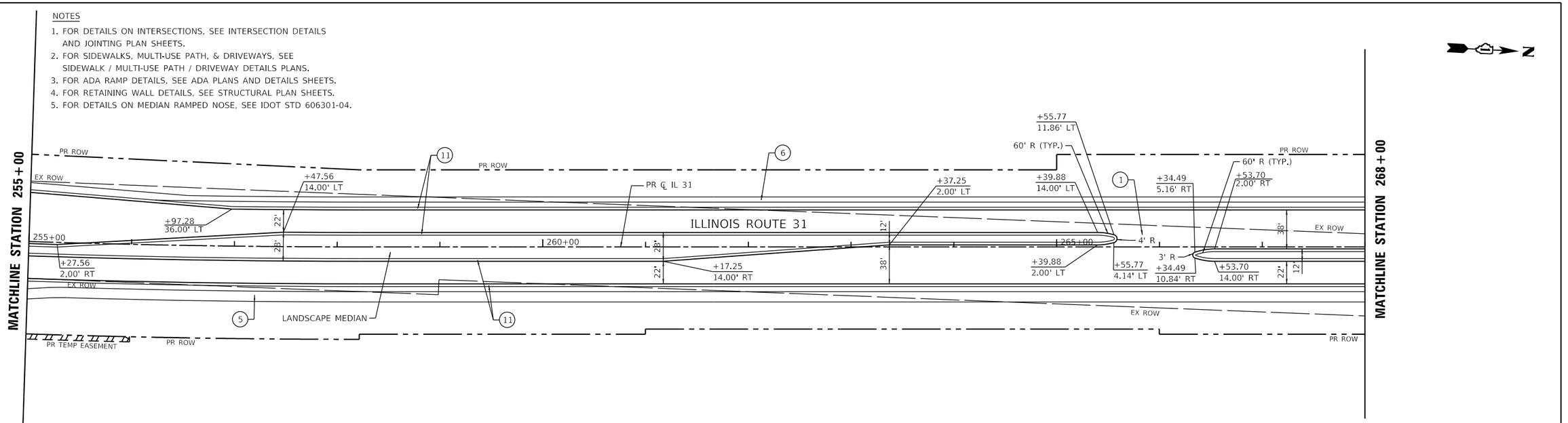
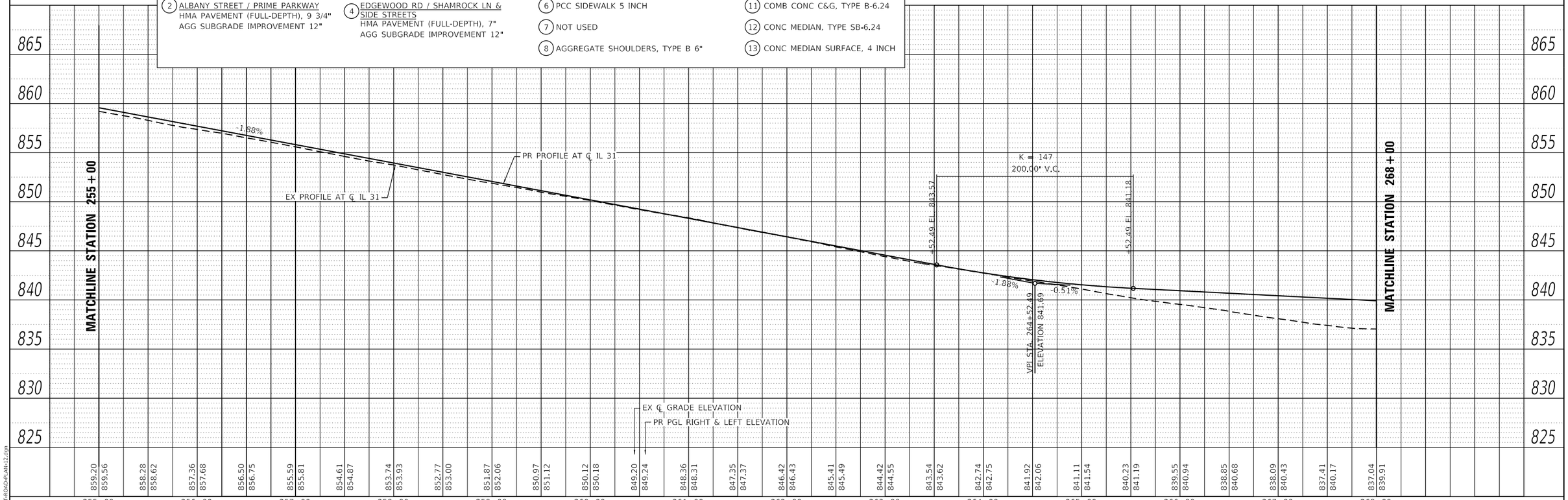
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH



PLAN — NOTE BOOK NO. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. — SURVEYED — PLOTTED — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTATNS CHKD — BY — DATE

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-12.dgn

PATRICK a RJN company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

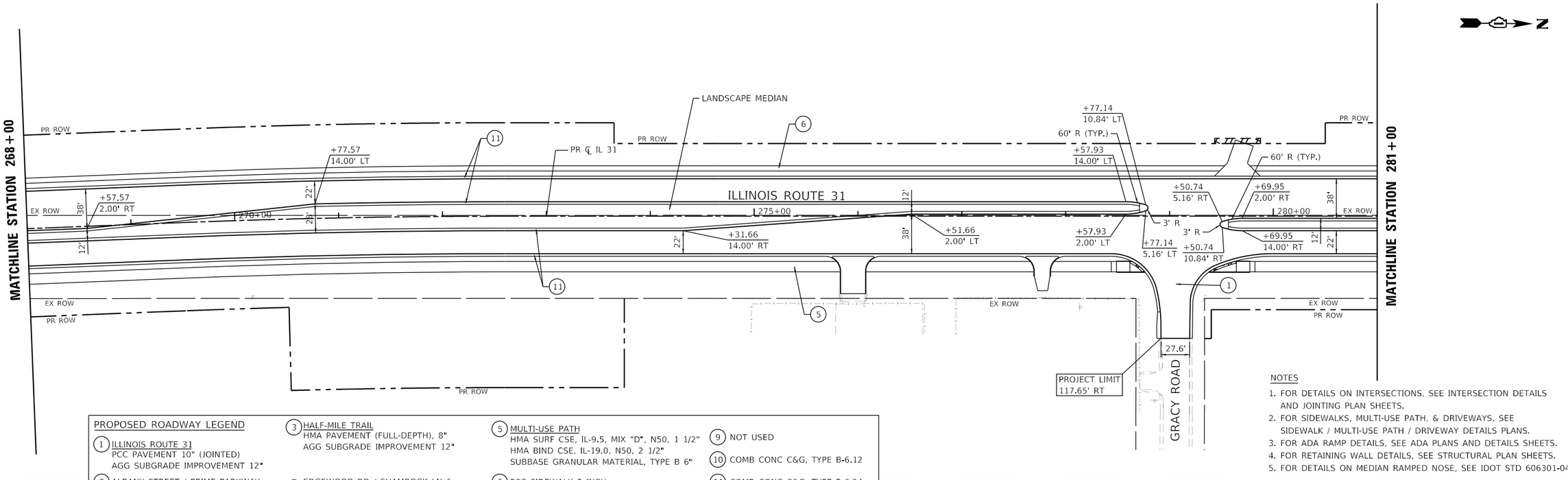
ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 12 OF 26 SHEETS | STA. 255+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	88

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
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12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
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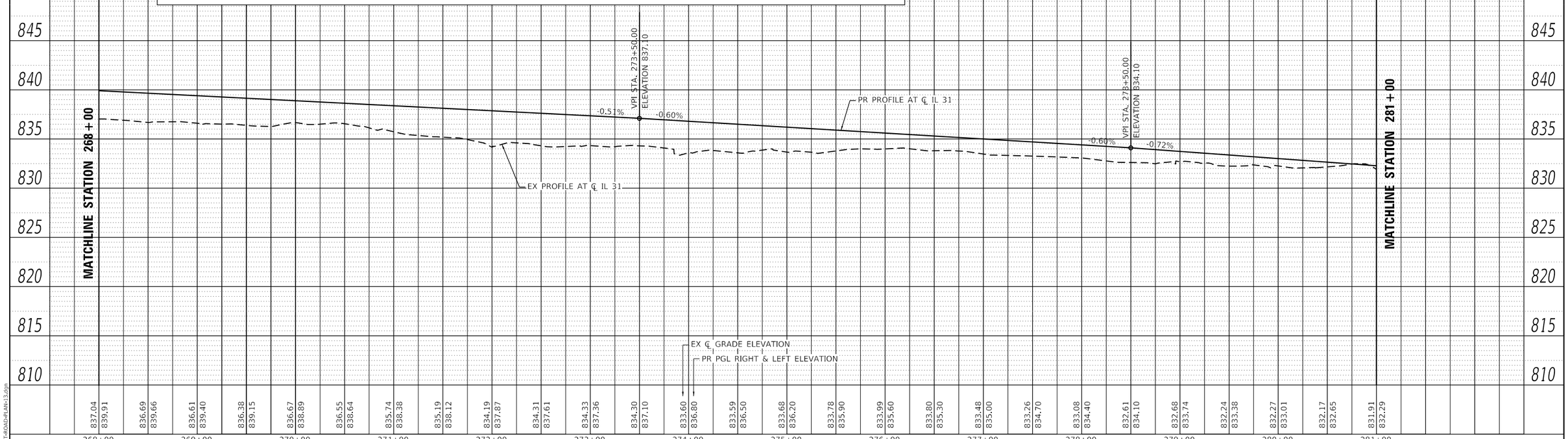
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE



PROFILE — SURVEYED, PLOTTED, CROSS SECTIONS CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-13.dgn

PATRICK a RJH company

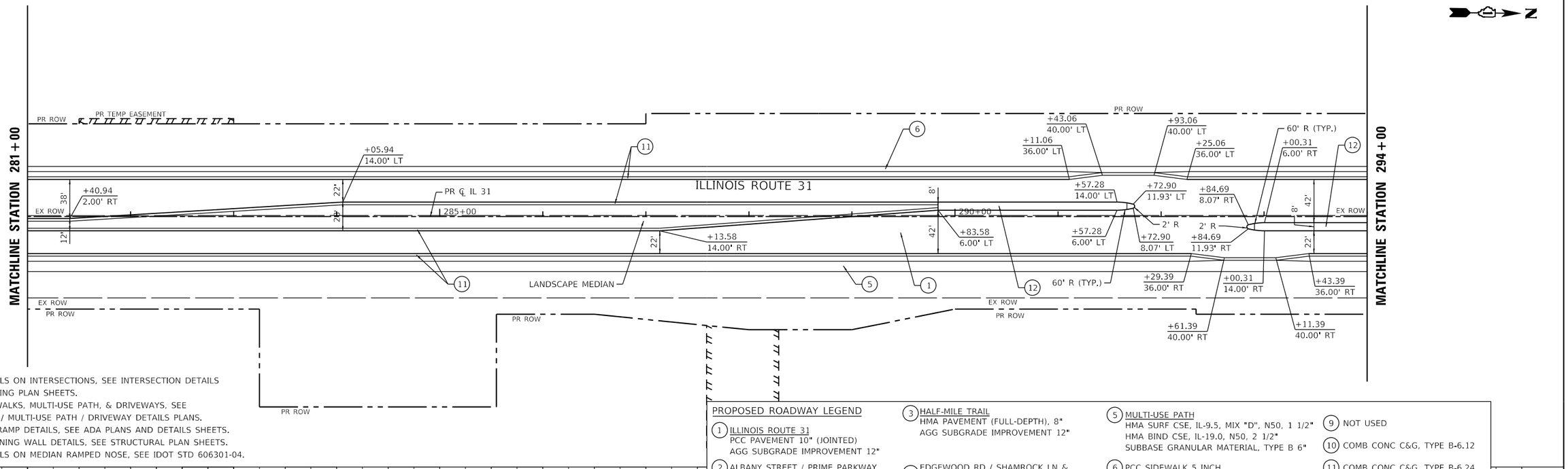
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 13 OF 26 SHEETS | STA. 286+00 | TO STA. 281+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	89
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

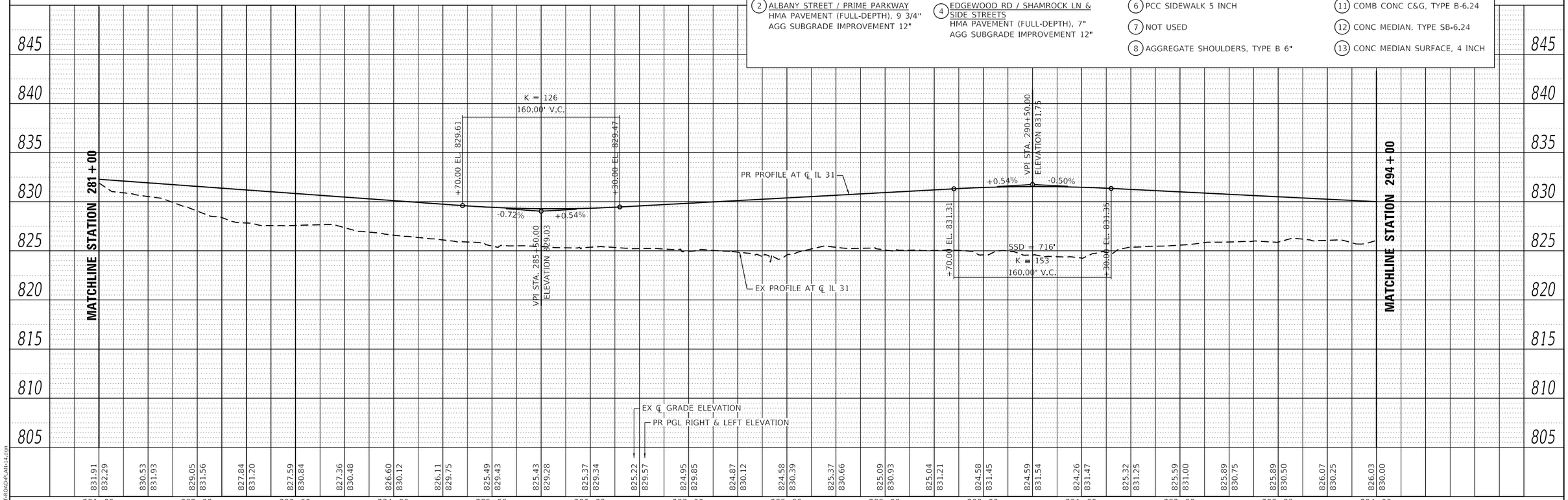


NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH



PLAN / PROFILE — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

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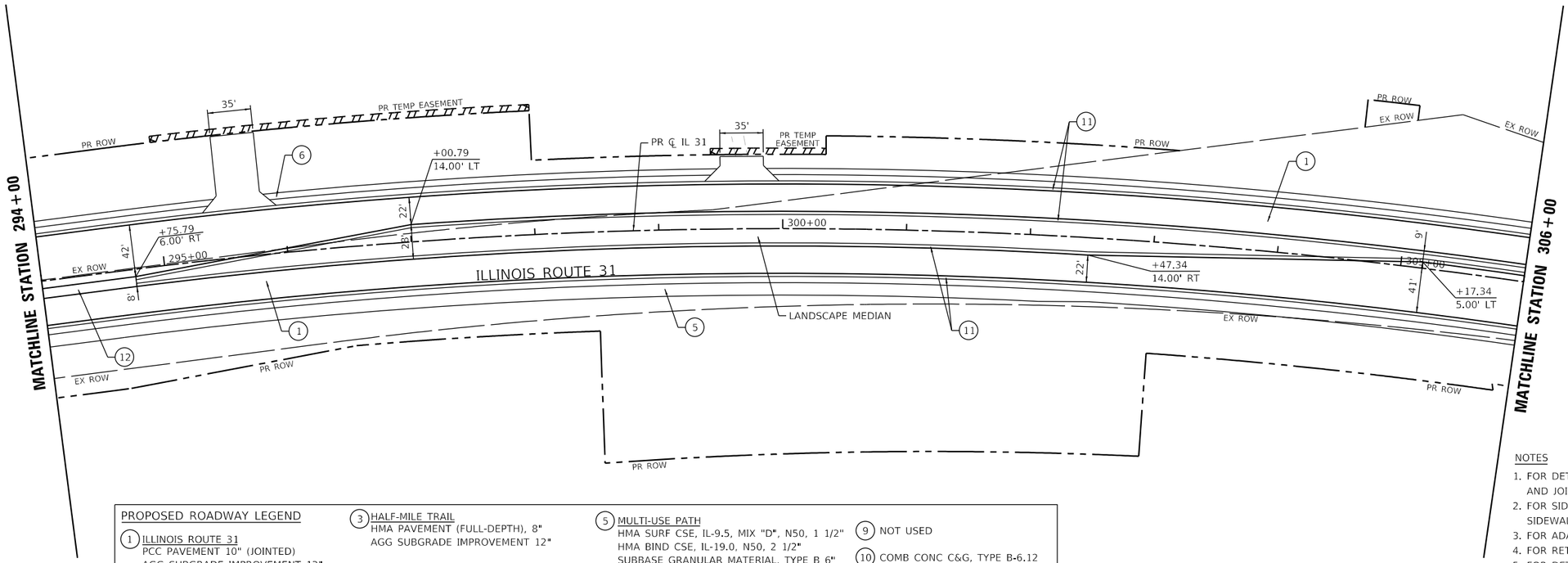
	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 14 OF 26 SHEETS | STA. 281+00 | TO STA. 294+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	90
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

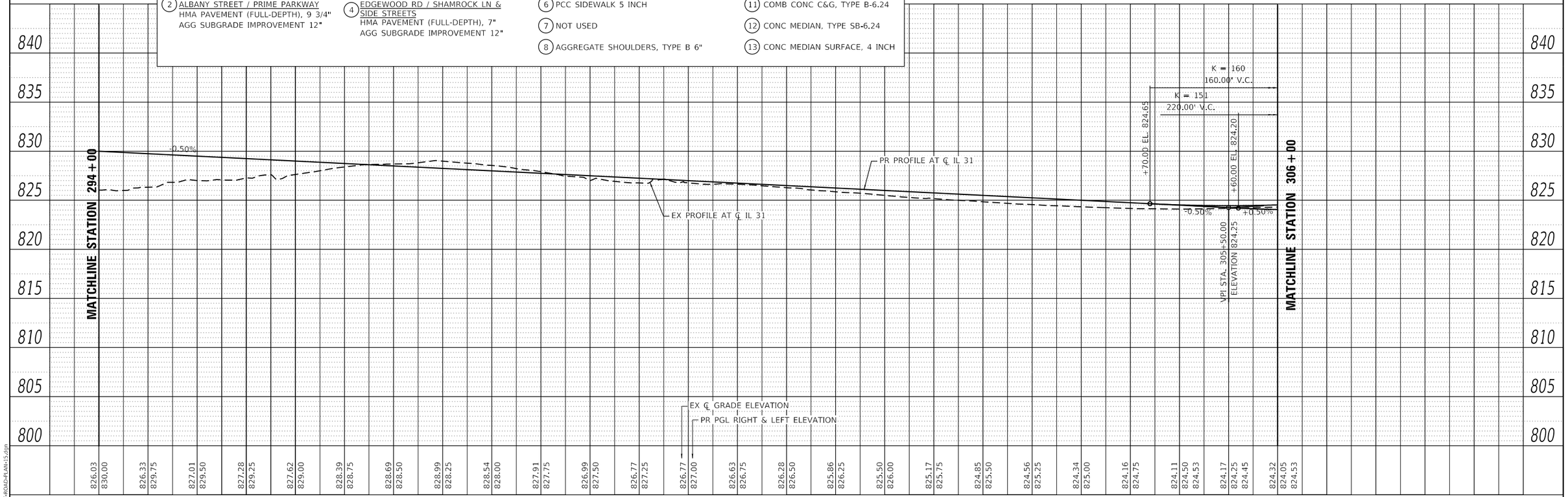


PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



PLAN: SURVEYED; PLOTTED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE: SURVEYED; PLOTTED; GRADES CHECKED; B.M. NOTED; STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-15.dgn

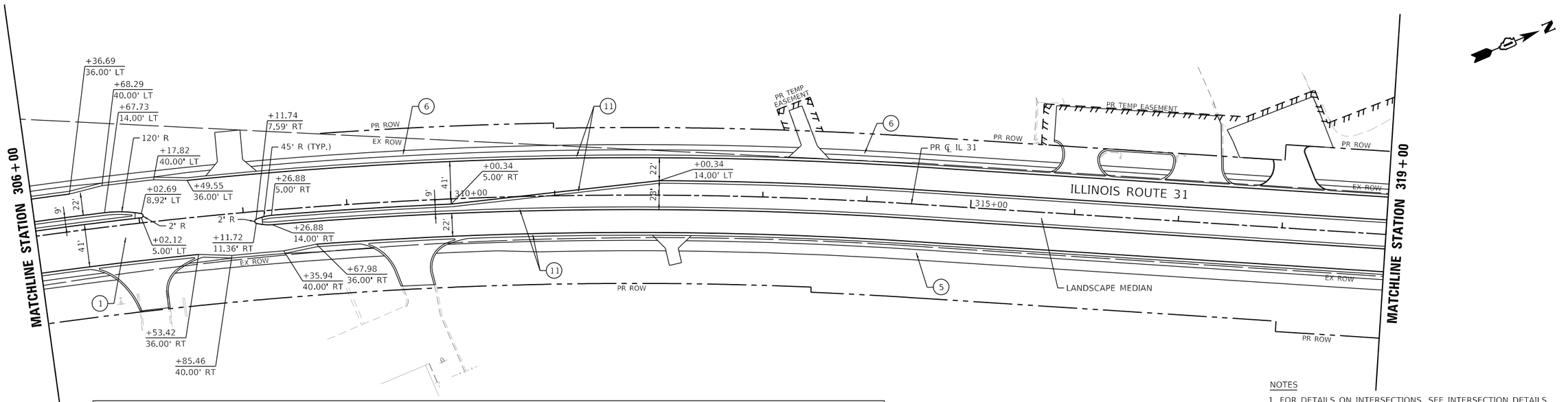
USER NAME = bwitort	DESIGNED - EJB	REVISED -	REVBY1
	DRAWN - EJB	REVISED -	REVBY2
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	REVBY3
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	REVBY4

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 15 OF 26 SHEETS | STA. 294+00 | TO STA. 306+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	91
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

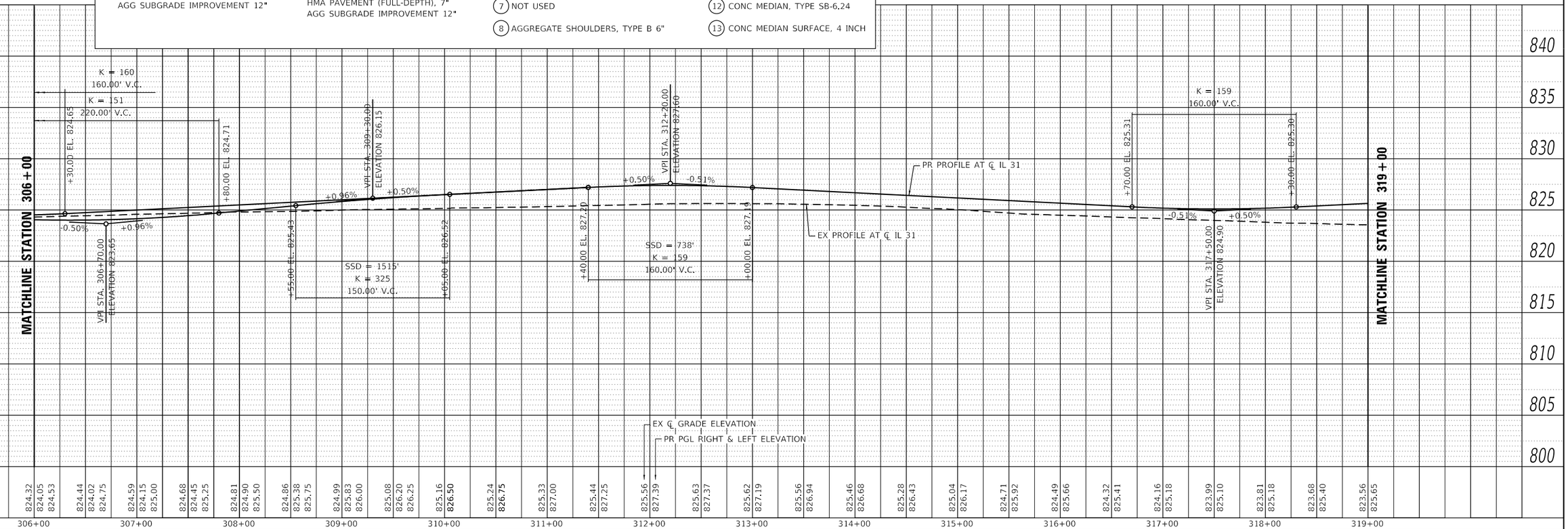


PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



306+00	307+00	308+00	309+00	310+00	311+00	312+00	313+00	314+00	315+00	316+00	317+00	318+00	319+00
824.32	824.44	824.59	824.68	824.81	824.86	824.99	825.08	825.16	825.24	825.33	825.44	825.56	825.63	825.62	825.56	825.46	825.28	825.04	824.71	824.49	824.32	824.16	823.99	823.81	823.68	823.56
824.05	824.02	824.15	824.45	824.90	825.38	825.83	826.20	**826.50**	**826.75**	827.00	827.25	827.39	827.37	827.19	826.94	826.68	826.43	826.17	825.92	825.66	825.41	825.18	825.10	825.18	825.40	825.65
824.53	824.75	825.00	825.25	825.50	825.75	826.00	826.25																			

USER NAME = bwitort	DESIGNED - EJB	REVISED - REVBY1	**STATE OF ILLINOIS**	**ROADWAY PLAN AND PROFILE**	
	DRAWN - EJB	REVISED - REVBY2	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED - REVBY3		SCALE: 1"=50' | SHEET 16 OF 26 SHEETS | STA. 306+00 TO STA. 319+00	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED - REVBY4			

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	92
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PLAN / PROFILE — SURVEYED, PLOTTED, CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

MODEL: Default
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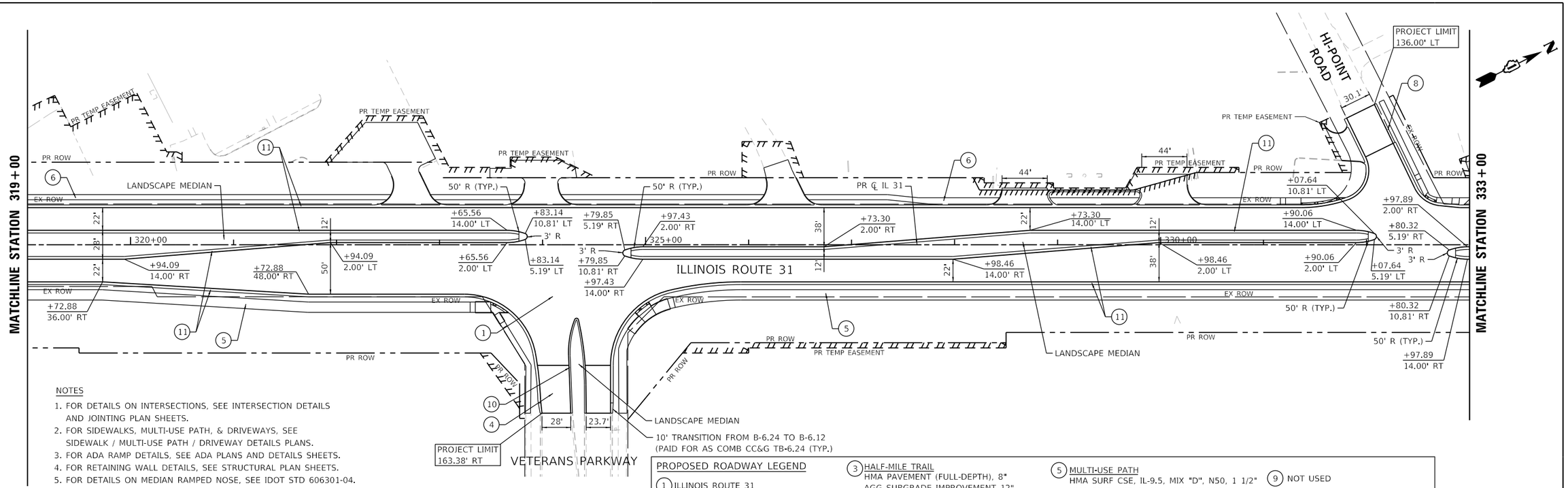
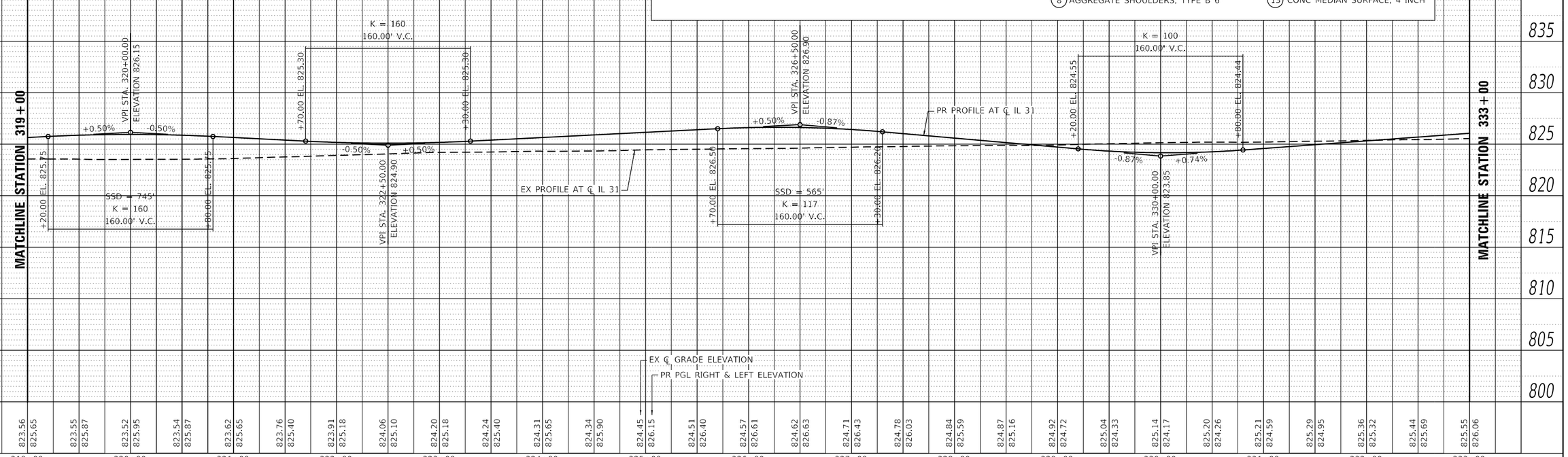


NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH



319+00	320+00	321+00	322+00	323+00	324+00	325+00	326+00	327+00	328+00	329+00	330+00	331+00	332+00	333+00
823.56 / 825.65	823.55 / 825.87	823.52 / 825.95	823.54 / 825.87	823.62 / 825.65	823.76 / 825.40	823.91 / 825.18	824.06 / 825.10	824.20 / 825.18	824.24 / 825.40	824.31 / 825.65	824.34 / 825.90	824.45 / 826.15	824.51 / 826.40	824.57 / 826.61	824.62 / 826.63	824.71 / 826.43	824.78 / 826.03	824.84 / 825.59	824.87 / 825.16	824.92 / 824.72	825.04 / 824.33	825.14 / 824.17	825.20 / 824.26	825.21 / 824.59	825.29 / 824.95	825.36 / 825.32	825.44 / 825.69	825.55 / 826.06

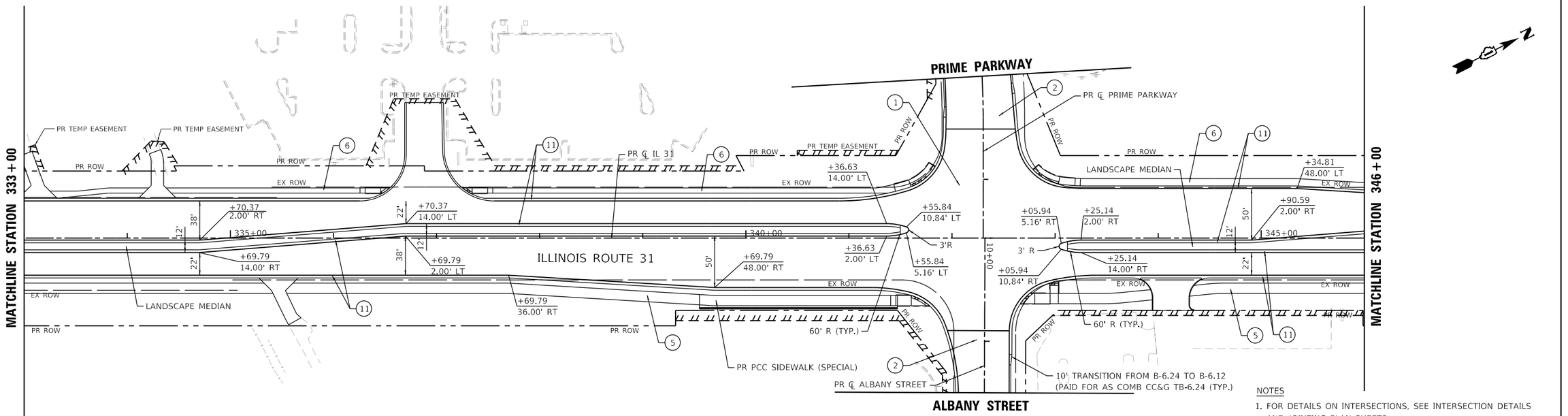
PROFILE — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-17.dgn

PATRICK a STV company

USER NAME = bwitort	DESIGNED - EJB	REVISED - REVBY1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PROFILE ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED - REVBY2			
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED - REVBY3		SCALE: 1"=50' | SHEET 17 OF 26 SHEETS | STA. 319+00 TO STA. 333+00	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED - REVBY4			

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	93
		CONTRACT NO. 62K69		
		ILLINOIS | FED. AID PROJECT		



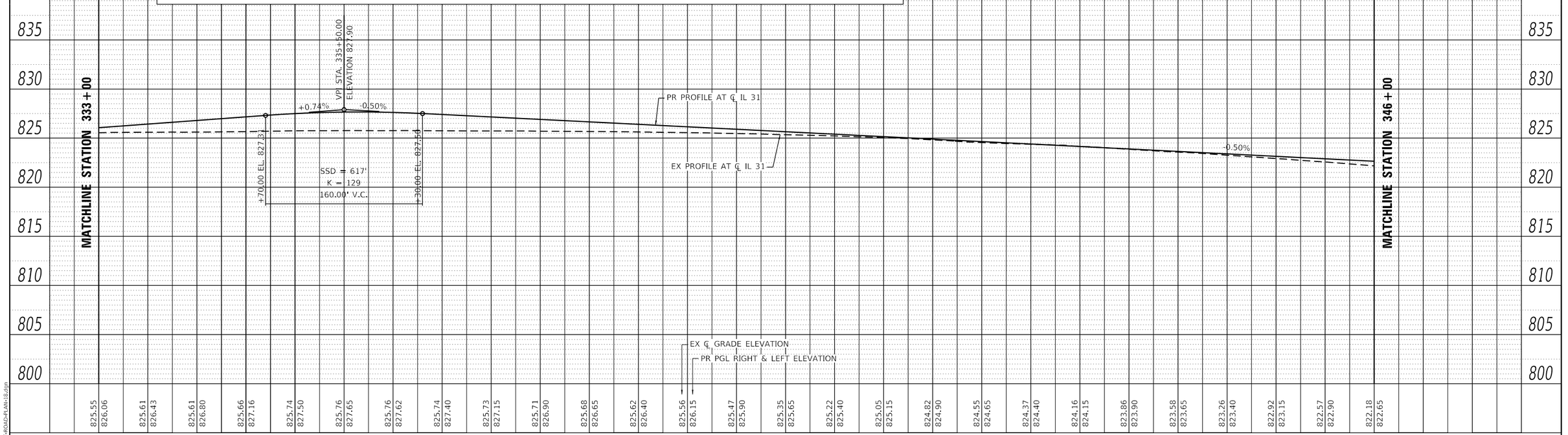
PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PLAN — DATE / BY / SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO.



PROFILE — DATE / BY / SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO.

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FILE NAME: C:\SHT-ROAD-PLAN-18.dgn

PATRICK a RJH company

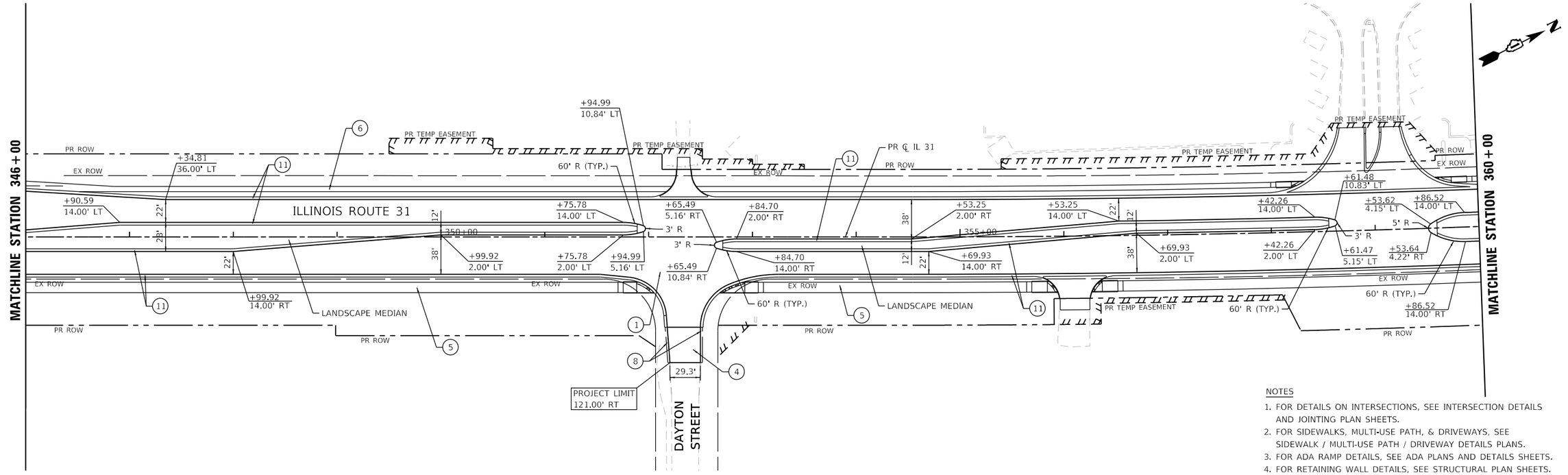
USER NAME = bwitort	DESIGNED - EJB	REVISED -	REVBY1
	DRAWN - EJB	REVISED -	REVBY2
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	REVBY3
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	REVBY4

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 18 OF 26 SHEETS | STA. 333+00 | TO STA. 346+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	94
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



PROPOSED ROADWAY LEGEND

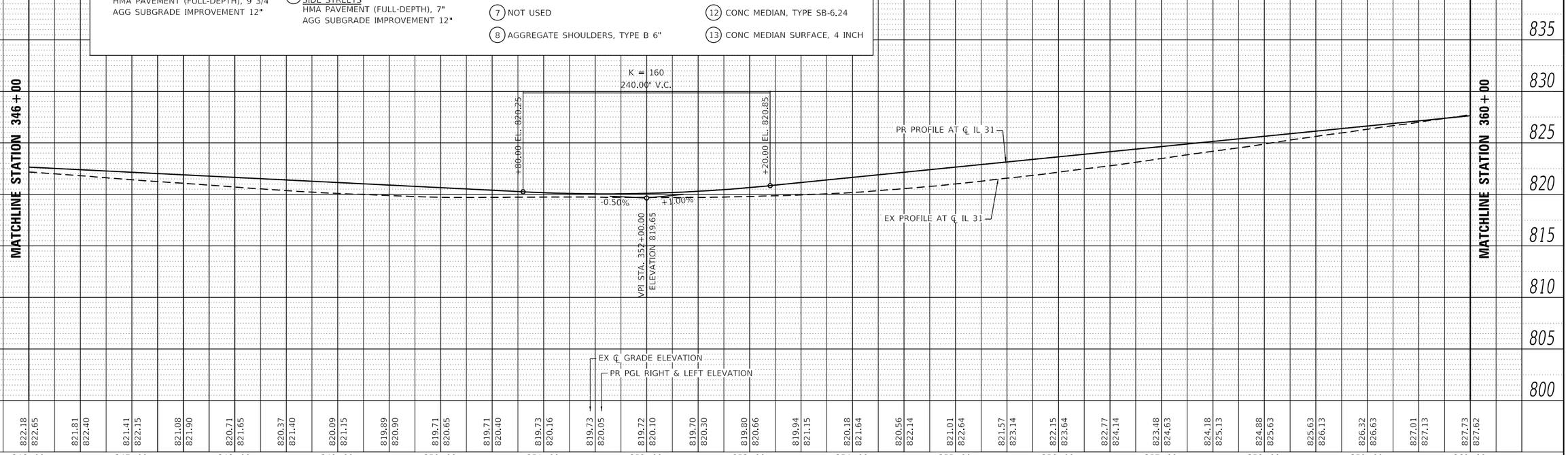
1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PLAN: DATE | BY | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO.

PROFILE: DATE | BY | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO.



PROFILE: SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO.

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-19.dgn

PATRICK a RJH company

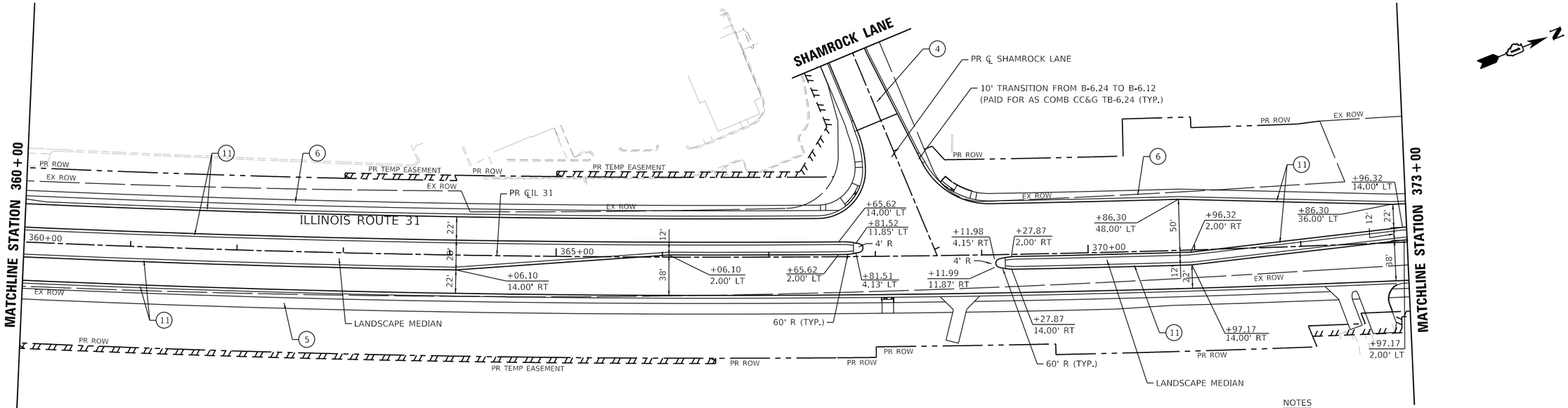
USER NAME = bwitort	DESIGNED - EJB	REVISED - REVBY1	
	DRAWN - EJB	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED - REVBY3	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 19 OF 26 SHEETS | STA. 346+00 | TO STA. 360+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	95
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

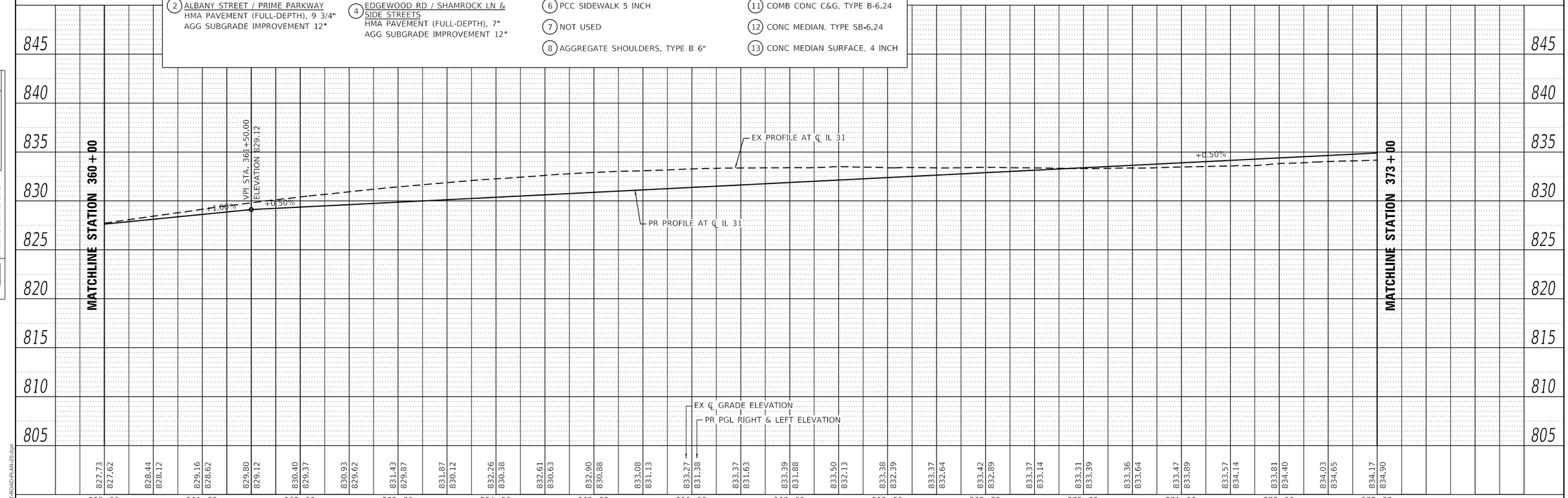


NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

MODEL: Default
FILE NAME: C:\SHT-ROAD-PLAN-20.dgn

PATRICK a RJN company

USER NAME = bwitort	DESIGNED - EJB	REVISED - REVBY1	
	DRAWN - EJB	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED - REVBY3	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

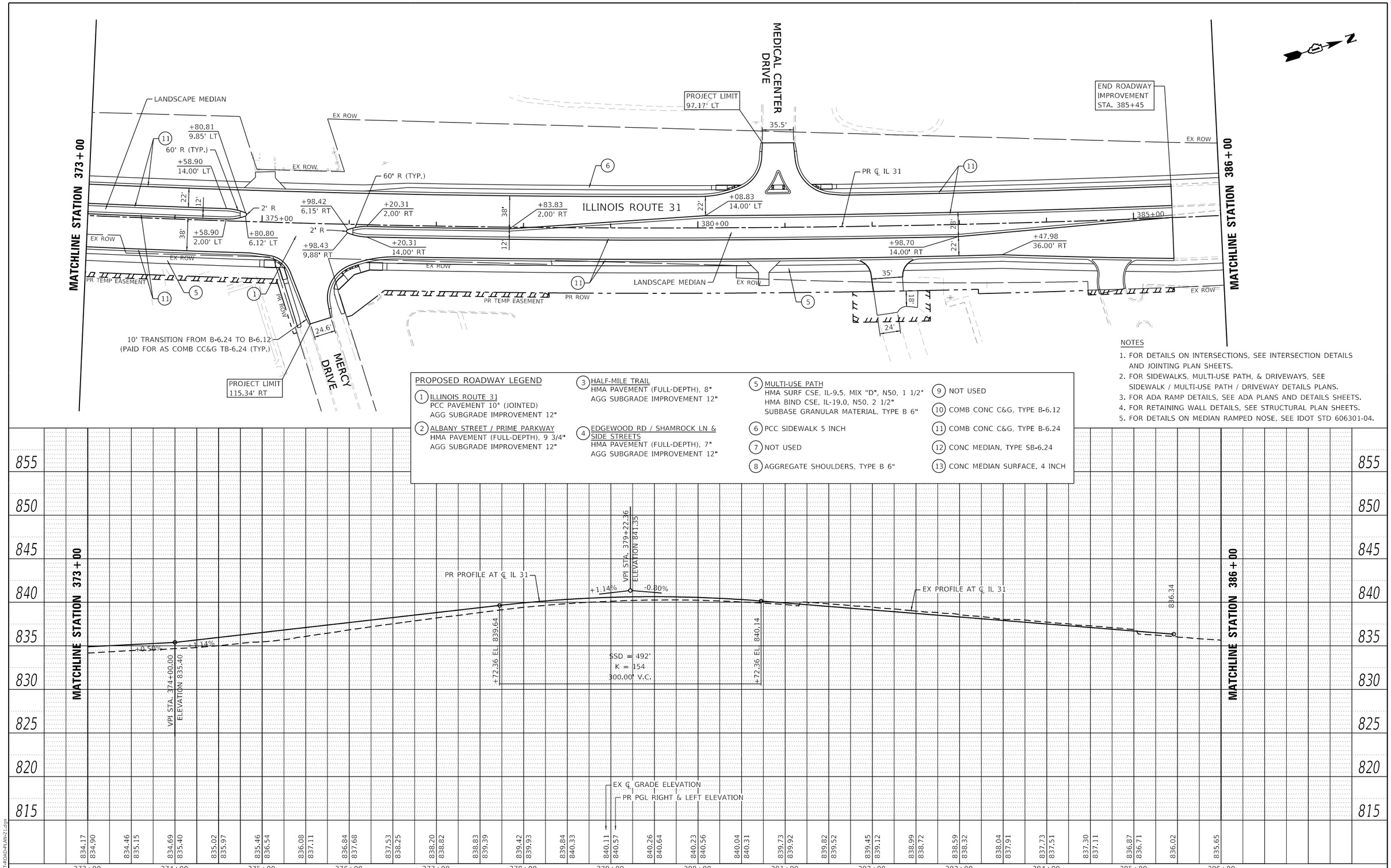
ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 20 OF 26 SHEETS | STA. 360+00 TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	96

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

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PATRICK a RJN company

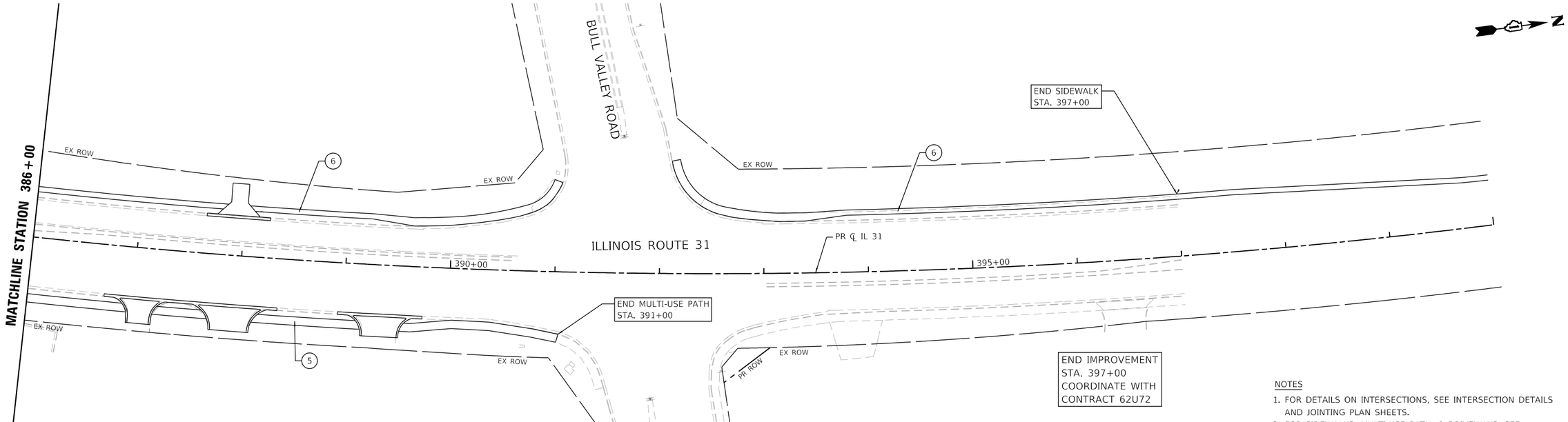
USER NAME = bwitort	DESIGNED - EJB	REVISED - REVBY1	
	DRAWN - EJB	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED - REVBY3	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 21 OF 26 SHEETS | STA. 373+00 TO STA. 386+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	97
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

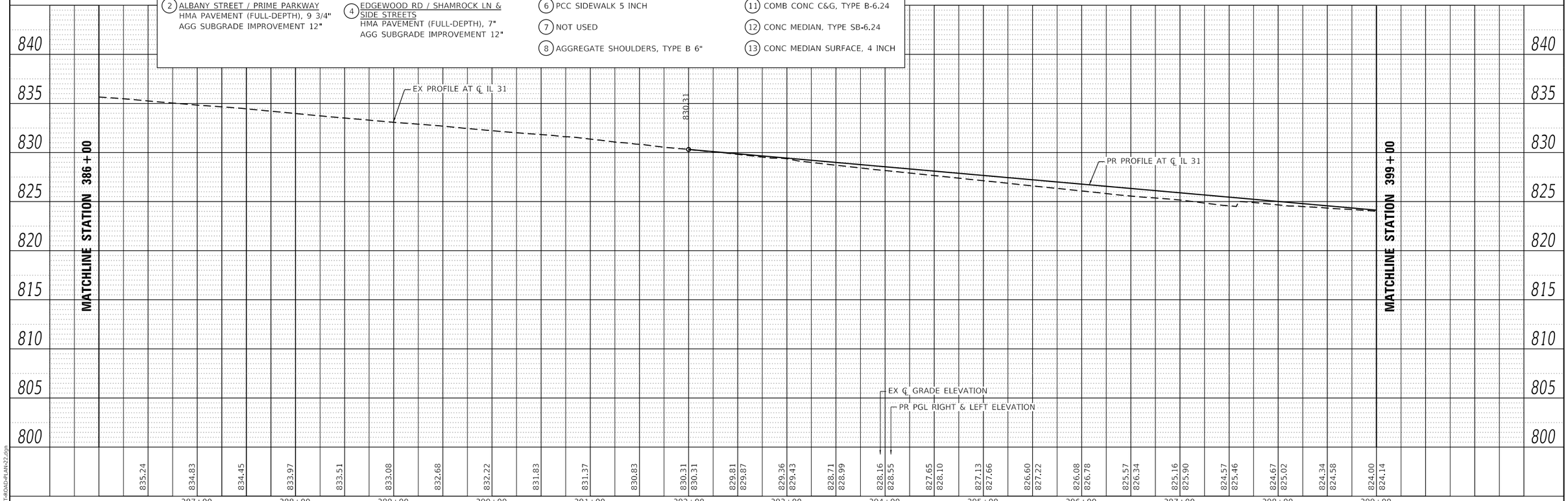


PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



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PROFILE — NOTE BOOK NO. — SURVEYED — PLOTTED — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTATNS CHKD — BY — DATE

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PATRICK a RAM company

USER NAME = bwitort	DESIGNED - EJB	REVISED - REVBY1	
	DRAWN - EJB	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED - REVBY3	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

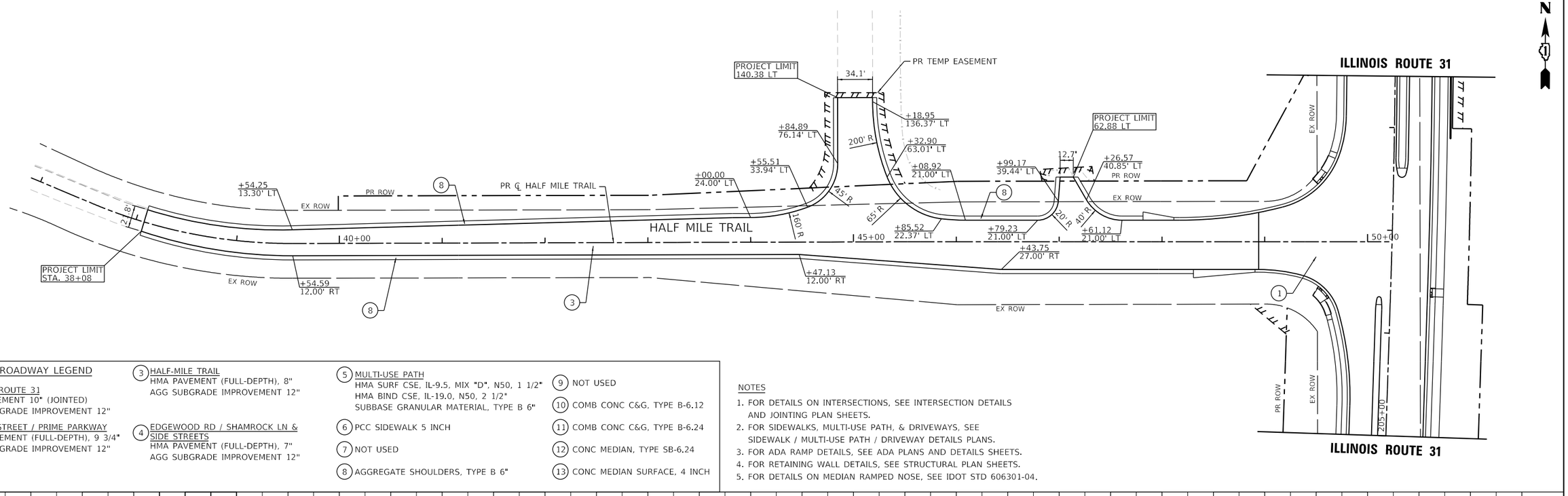
ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 22 OF 26 SHEETS | STA. 386+00 TO STA. 397+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	98

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
11. COMB CONC C&G, TYPE B-6.24
12. CONC MEDIAN, TYPE SB-6.24
13. CONC MEDIAN SURFACE, 4 INCH

NOTES

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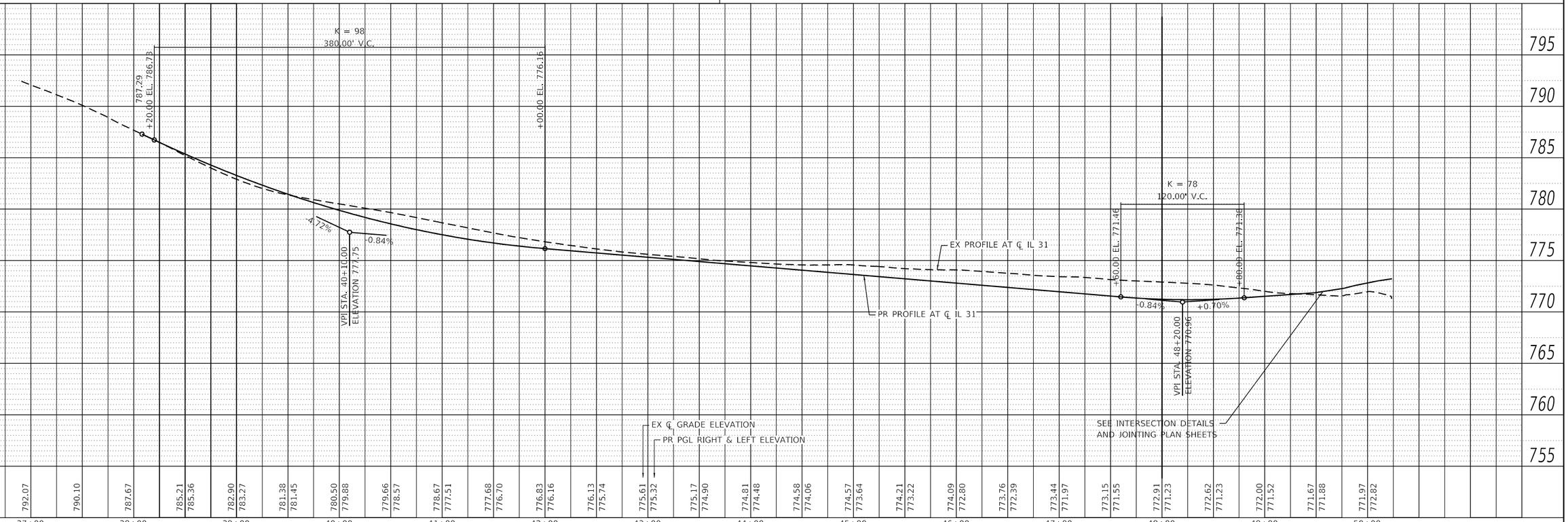
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO/ATNS CHKD, NOTE BOOK, NO., BY, DATE

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PATRICK a WSP company

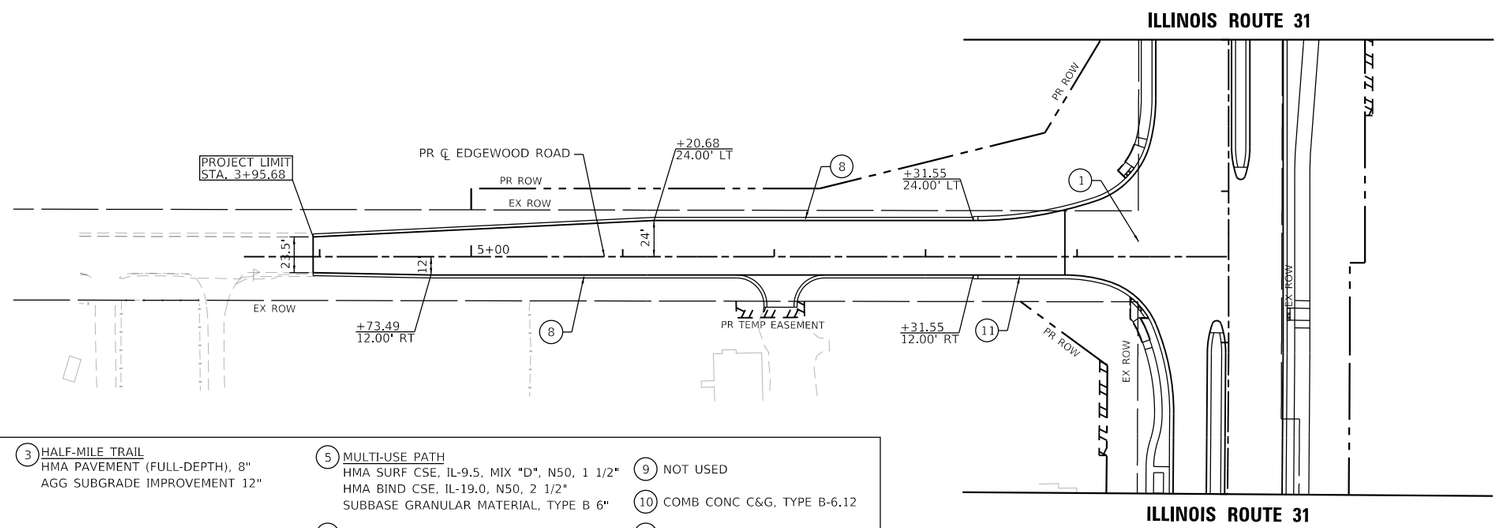
USER NAME = bwitort	DESIGNED - EJB	REVISED - REVBY1	
	DRAWN - EJB	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED - REVBY3	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
HALF MILE TRAIL

SCALE: 1"=50' | SHEET 23 OF 26 SHEETS | STA. 37+00 | TO STA. 48+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	99
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
   HMA PAVEMENT (FULL-DEPTH), 7"
   AGG SUBGRADE IMPROVEMENT 12"
5. MULTI-USE PATH
   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
   HMA BIND CSE, IL-19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
7. NOT USED
8. AGGREGATE SHOULDERS, TYPE B 6"
9. NOT USED
10. COMB CONC C&G, TYPE B-6.12
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NOTES

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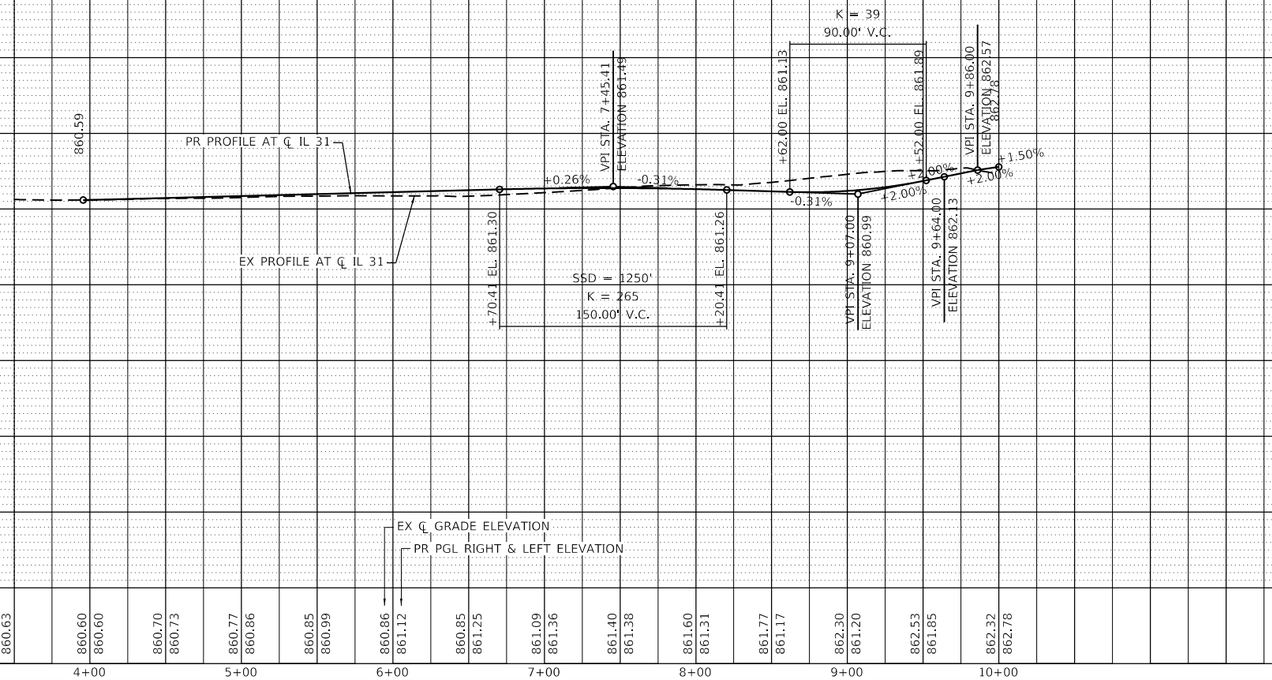
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PLAN — DATE / BY / SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO.

PROFILE — DATE / BY / SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NO/PATNS CHKD / NOTE BOOK / NO.



USER NAME = bwitort	DESIGNED - EJB	REVISED - REVBY1	**STATE OF ILLINOIS**	**ROADWAY PLAN AND PROFILE**	
	DRAWN - EJB	REVISED - REVBY2	**DEPARTMENT OF TRANSPORTATION**	**EDGEWOOD ROAD**	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED - REVBY3		SCALE: 1"=50' / SHEET 24 OF 26 SHEETS / STA. 3+00 TO STA. 10+00	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED - REVBY4			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	100
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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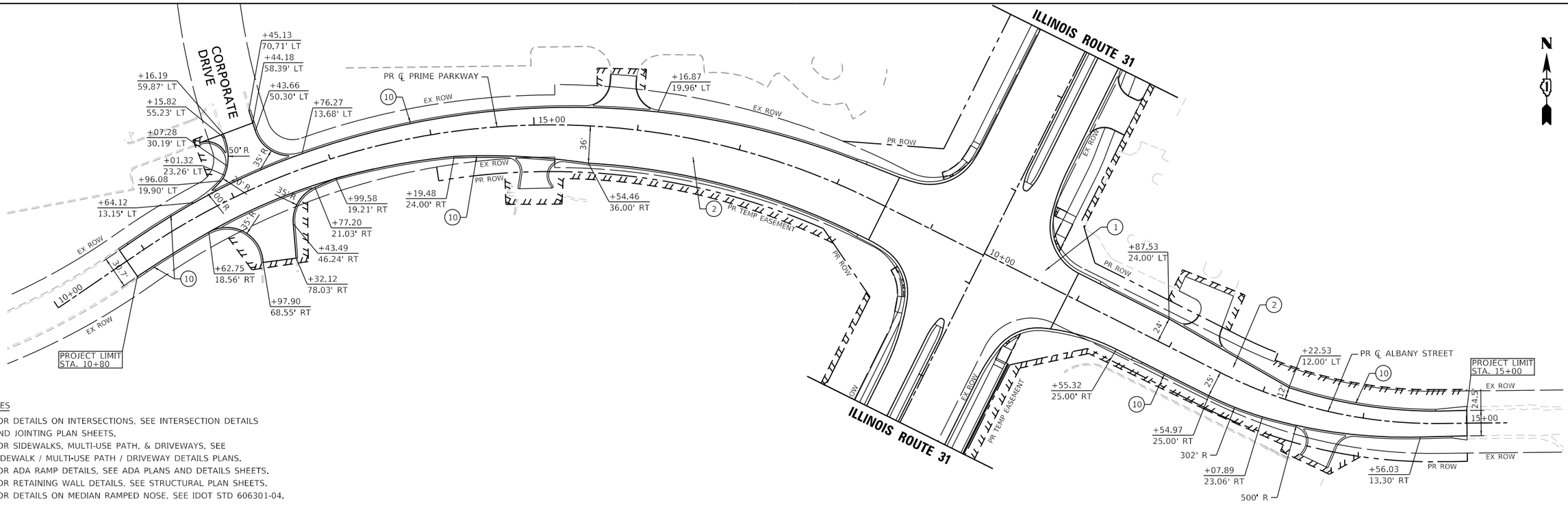

NOTES

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PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
   AGG SUBGRADE IMPROVEMENT 12"
4. EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
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   HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
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   SUBBASE GRANULAR MATERIAL, TYPE B 6"
6. PCC SIDEWALK 5 INCH
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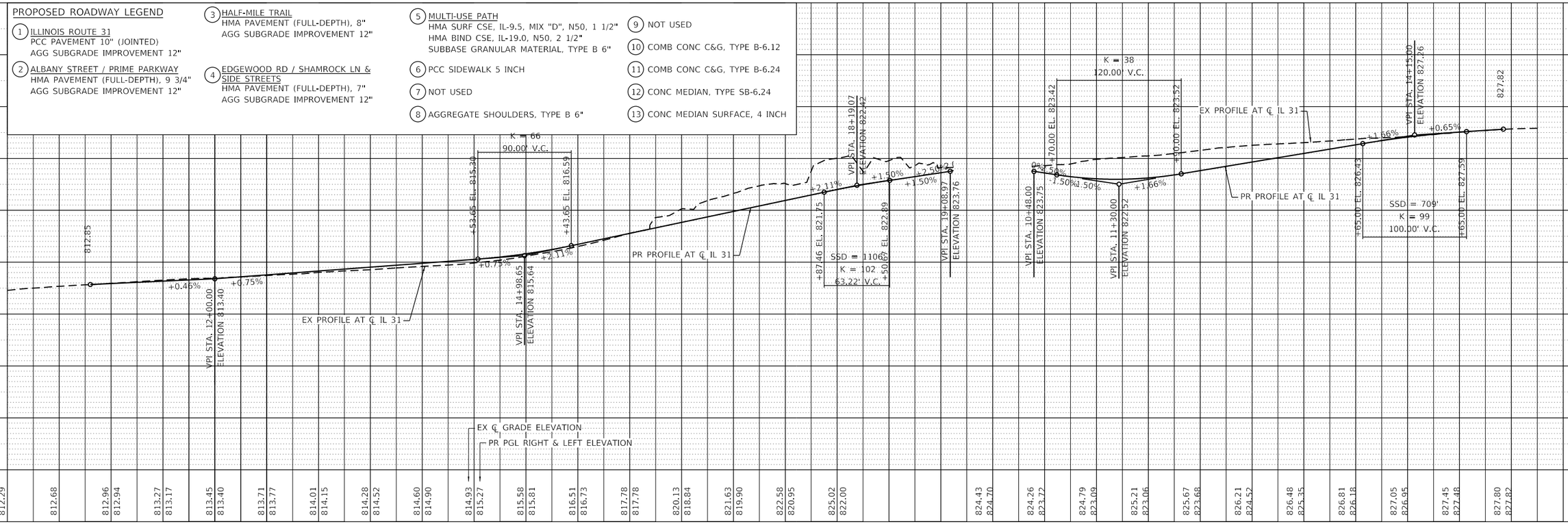
13. CONC MEDIAN SURFACE, 4 INCH



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	DRAWN - EJB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - NJS	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

ROADWAY PLAN AND PROFILE
PRIME PARKWAY /ALBANY STREET

SCALE: 1"=50' | SHEET 25 OF 26 SHEETS | STA. 10+00 | TO STA. 15+00.43

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	101
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PLAN: SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE: SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NO/ATNS CHKD | NOTE BOOK | NO. | BY | DATE

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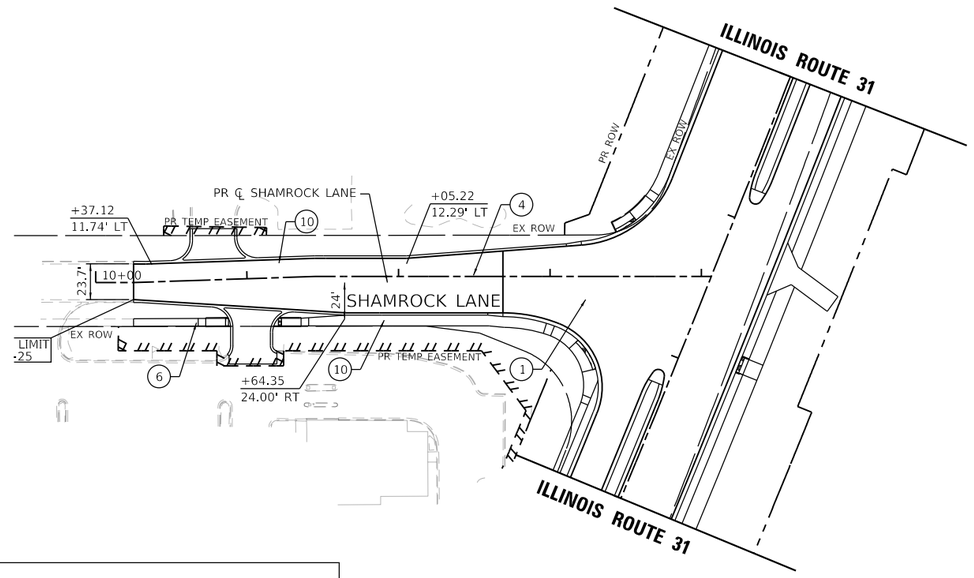

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NOTES

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2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLANS.
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5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

PROPOSED ROADWAY LEGEND

1. ILLINOIS ROUTE 31
   PCC PAVEMENT 10" (JOINTED)
   AGG SUBGRADE IMPROVEMENT 12"
2. ALBANY STREET / PRIME PARKWAY
   HMA PAVEMENT (FULL-DEPTH), 9 3/4"
   AGG SUBGRADE IMPROVEMENT 12"
3. HALF-MILE TRAIL
   HMA PAVEMENT (FULL-DEPTH), 8"
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   HMA PAVEMENT (FULL-DEPTH), 7"
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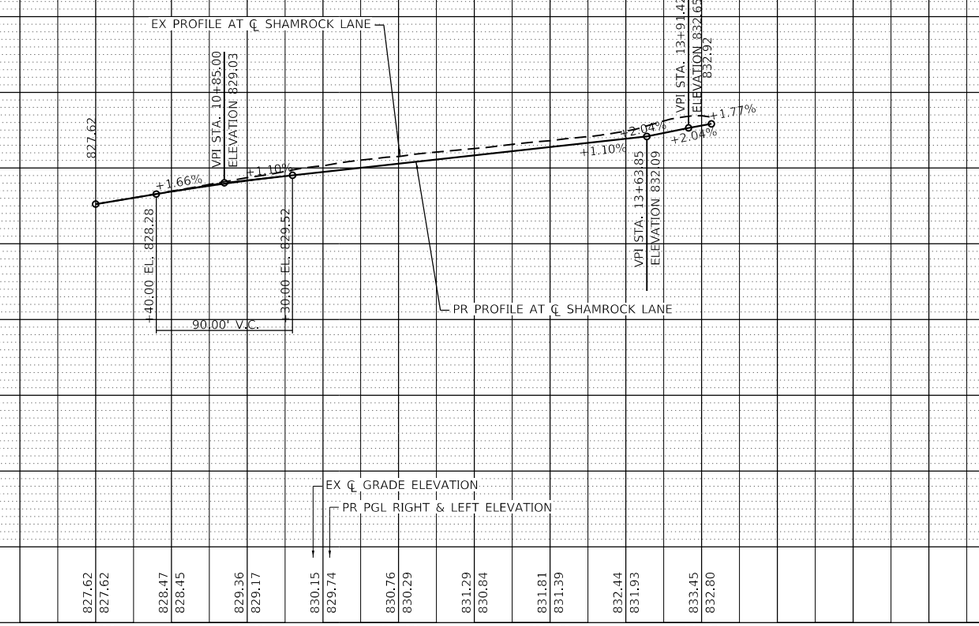

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DATE
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PROFILE
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B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
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DATE
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PATRICK engineering

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		DRAWN - EJB		REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.		CHECKED - NJS		REVISED - REVBY3	
PLOT DATE = 10/3/2024		DATE - 04/30/2024		REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
SHAMROCK LANE

SCALE: 1"=50' | SHEET 26 OF 26 SHEETS | STA. 10+00 | TO STA. 14+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	102
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL TRAFFIC CONTROL MATERIAL AND DEVICES SHALL CONFORM TO THE TRAFFIC CONTROL PLANS AND THE LATEST EDITION OF THE ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.

2. MAINTENANCE OF TRAFFIC AS DENOTED ON THE PLANS IS INTENDED TO BE USED AS A GENERAL GUIDE FOR THE SEQUENCE OF CONSTRUCTION OF THE WORK. NO CHANGES WILL BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

3. ACCESS TO ENTRANCES SHALL BE MAINTAINED. WHEN A PROPERTY IS SERVED BY A SINGLE ENTRANCE, CONSTRUCTION OF THE ENTRANCE SHALL BE COMPLETED ONE HALF AT A TIME IN ORDER TO MAINTAIN ACCESS. WHEN A PROPERTY IS SERVED BY MULTIPLE ENTRANCES, ONE OF THE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES.

4. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT THE FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.

5. REMOVE ANY EXISTING PAVEMENT MARKINGS, AS REQUIRED, IF IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS FOR TRAFFIC CONTROL AND PROTECTION AS SHOWN ON THE PLANS. TEMPORARY PAVEMENT MARKINGS WHICH FALL BEYOND THE PROJECT LIMITS SHALL BE TEMPORARY PAVEMENT MARKING TAPE, TYPE IV. EXISTING PAVEMENT MARKINGS WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED USING PAVEMENT MARKING REMOVAL - GRINDING. EXISTING PAVEMENT MARKINGS OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE REMOVED USING PAVEMENT MARKING REMOVAL- WATER BLASTING.

6. THE FURNISHING, INSTALLATION, RELOCATION, AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES SHOWN ON THESE MAINTENANCE OF TRAFFIC PLANS AND ON THE APPLICABLE IDOT TRAFFIC CONTROL STANDARDS SHALL BE PAID FOR UNDER THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

7. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER. ACTUAL LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

8. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

9. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.

10. PRIOR TO INSTALLING POST-MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.

11. ALL EXISTING SIGNS THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

12. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS. THE ENGINEER SHALL BE INFORMED 2 WEEKS OF ANY STAGE CHANGE TO ALLOW FOR PUBLIC NOTIFICATION.

13. THE CONTRACTOR MUST VERIFY FIELD CONDITIONS BEFORE STARTING ANY WORK. CONFLICTS, DISCREPANCIES, OMISSIONS MUST BE REPORTED TO THE ENGINEER.

14. PEDESTRIAN ACCESS ALONG THE PROJECT AND TO ABUTTING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.

15. TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL FOLLOW DISTRICT 1 DETAIL TC-10.

16. THE CONTRACTOR SHALL PLACE "STOP HERE ON RED" SIGNS (R10-6 2430) NEXT TO STOP BARS AT ALL SIGNALIZED INTERSECTIONS.

17. THE CONTRACTOR SHALL PLACE "CAUTION NEW LANES OPEN STOP HERE" SIGNS AT EVERY INTERSECTING ROAD AND DRIVEWAY AT LEAST 2 WEEKS PRIOR TO THE OPENING OF NEW LANES TO TRAFFIC AND/OR AS DIRECTED BY THE ENGINEER. SEE SIGN DETAIL.

18. THE CONTRACTOR SHALL COORDINATE MAINTENANCE OF TRAFFIC ACTIVITIES WITH CONTRACT 62U72, WHICH IS ILLINOIS ROUTE 31 FROM NORTH OF CHARLES J MILLER ROAD TO AND INCLUDING PART OF ILLINOIS ROUTE 120.

SUGGESTED MAINTENANCE OF TRAFFIC STAGING

PRE-STAGE

1. DURING THE PRE-STAGE, THE FOLLOWING ACTIVITIES WILL BE COMPLETED: TREE REMOVAL, REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT, INSTALLATION OF TEMPORARY TRAFFIC SIGNALS, AND INSTALLATION OF TEMPORARY PAVEMENT AND TEMPORARY CONCRETE BARRIERS IN LOCATIONS SHOWN ON THE SUGGESTED MAINTENANCE OF TRAFFIC PLAN SHEETS.

STAGE 1

1. DURING STAGE 1, THE FOLLOWING WILL BE CONSTRUCTED: PROPOSED PAVEMENT, CURB AND GUTTER, DRAINAGE STRUCTURES, DRIVEWAYS, SIDEWALK, SHARED-USE PATH, RETAINING WALLS, AND OTHER ROADWAY FEATURES.

2. BETWEEN IL 176 AND HALF MILE TRAIL, TRAFFIC IS SHIFTED SLIGHTLY TOWARDS THE EAST SIDE OF THE EXISTING PAVEMENT UTILIZING A 2-LANE CROSS-SECTION (ONE 11' LANE IN EACH DIRECTION). THE WEST SIDE OF THE ROADWAY IS CONSTRUCTED UP TO THE PROPOSED CENTER MEDIAN DURING THIS STAGE. TEMPORARY PAVEMENT IS INSTALLED ON THE WEST SIDE BETWEEN STATIONS 200+92 AND 206+23.

3. BETWEEN HALF MILE TRAIL AND EDGEWOOD ROAD, TRAFFIC CONTINUES TO REMAIN ON THE EXISTING PAVEMENT UTILIZING A 2-LANE CROSS-SECTION (ONE 11' LANE IN EACH DIRECTION). HOWEVER, THE WORK ZONE SHIFTS TO THE EAST SIDE DUE TO THE SHIFT IN THE PROPOSED ALIGNMENT TO THE EAST OF THE EXISTING ALIGNMENT. WITHIN THIS SECTION OF IL 31, THE EAST SIDE OF THE ROADWAY IS CONSTRUCTED UP TO THE PROPOSED CENTER MEDIAN. TEMPORARY PAVEMENT IS INSTALLED ON THE WEST SIDE BETWEEN STATIONS 256+97 and 261+12.

4. BETWEEN EDGEWOOD ROAD AND DAYTON STREET, TRAFFIC REMAINS ON THE EXISTING PAVEMENT UTILIZING A 2-LANE CROSS-SECTION (ONE 11' LANE IN EACH DIRECTION). HOWEVER, THE WORK ZONE SHIFTS TO THE WEST SIDE DUE TO THE SHIFT IN THE PROPOSED ALIGNMENT TO THE WEST OF THE EXISTING ALIGNMENT. WITHIN THIS SECTION OF IL 31, THE WEST SIDE OF THE ROADWAY IS CONSTRUCTED UP TO THE PROPOSED CENTER MEDIAN. TEMPORARY PAVEMENT IS INSTALLED ON THE WEST SIDE BETWEEN STATIONS 346+70 AND 351+96.

5. BETWEEN DAYTON STREET AND BULL VALLEY ROAD/CHARLES J. MILLER ROAD, TRAFFIC IS SHIFTED TO THE WEST SIDE OF THE EXISTING PAVEMENT UTILIZING A 2-LANE CROSS-SECTION (ONE 11' LANE IN EACH DIRECTION). THE EAST SIDE OF THE ROADWAY IS CONSTRUCTED UP TO THE PROPOSED CENTER MEDIAN DURING THIS STAGE.

STAGE 1A

1. DURING STAGE 1A, THE FOLLOWING WILL BE CONSTRUCTED: PROPOSED PAVEMENT, CURB AND GUTTER, DRAINAGE STRUCTURES, DRIVEWAYS, SIDEWALK, SHARED-USE PATH, AND OTHER ROADWAY FEATURES.

2. BETWEEN IL 176 AND HALF MILE TRAIL, SOUTHBOUND TRAFFIC IS SHIFTED TO THE WEST SIDE ON THE PROPOSED PAVEMENT AND TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1. THE NORTHBOUND TRAFFIC REMAINS ON THE EAST SIDE OF THE EXISTING PAVEMENT. THE REMAINING PORTION ALONG THE WEST SIDE OF THE ROADWAY UP TO THE PROPOSED CENTER MEDIAN IS CONSTRUCTED BETWEEN STATIONS 127+16 AND 134+00. TEMPORARY PAVEMENT IS INSTALLED IN THE CENTER OF THE ROADWAY BETWEEN STATIONS 129+77 AND 134+21. IN ADDITION, THE EAST SIDE OF THE ROADWAY IS CONSTRUCTED UP TO THE PROPOSED CENTER MEDIAN BETWEEN STATIONS 196+00 AND 207+71.

3. BETWEEN HALF MILE TRAIL AND EDGEWOOD ROAD, TRAFFIC REMAINS ON THE WEST SIDE OF THE EXISTING PAVEMENT UTILIZING A 2-LANE CROSS-SECTION (ONE 11' LANE IN EACH DIRECTION).

4. BETWEEN EDGEWOOD ROAD AND DAYTON STREET, SOUTHBOUND TRAFFIC IS SHIFTED TO THE WEST SIDE ON THE PROPOSED PAVEMENT AND TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1. THE NORTHBOUND TRAFFIC REMAINS ON THE EAST SIDE OF THE EXISTING PAVEMENT. THE EAST SIDE OF THE ROADWAY IS CONSTRUCTED UP TO THE PROPOSED CENTER MEDIAN DURING THIS STAGE BETWEEN STATIONS 256+00 AND 263+37 AND BETWEEN 331+98 AND 353+25. TEMPORARY PAVEMENT IS CONSTRUCTED BETWEEN STATIONS 263+37 AND 267+21.

5. BETWEEN DAYTON STREET AND BULL VALLEY ROAD/CHARLES J. MILLER ROAD, SOUTHBOUND TRAFFIC REMAINS ON THE WEST SIDE OF THE EXISTING PAVEMENT, WHILE NORTHBOUND TRAFFIC IS SHIFTED TO THE WEST SIDE UTILIZING THE PROPOSED PAVEMENT CONSTRUCTED IN STAGE 1.

STAGE 1B

1. DURING STAGE 1B, THE FOLLOWING WILL BE CONSTRUCTED: PROPOSED PAVEMENT, CURB AND GUTTER, DRAINAGE STRUCTURES, AND OTHER ROADWAY FEATURES.

2. BETWEEN IL 176 AND HALF MILE TRAIL, SOUTHBOUND TRAFFIC REMAINS ALONG THE WEST SIDE ON THE PROPOSED PAVEMENT AND TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1. THE NORTHBOUND TRAFFIC REMAINS ON THE EAST SIDE ON EXISTING PAVEMENT TO STATION 196+00. BETWEEN STATION 196+00 AND HALF MILE TRAIL, NORTHBOUND TRAFFIC IS SHIFTED TO THE EAST SIDE ONTO THE PROPOSED PAVEMENT AND TEMPORARY PAVEMENT CONSTRUCTED IN STAGES 1 AND 1A. THE PROPOSED SOUTHBOUND LEFT TURN LANE AND CENTER PAVEMENT BETWEEN STATIONS 138+07 AND 142+40, 145+16 AND 149+58, 153+64 AND 157+59, 163+60 AND 167+72, 177+33 AND 180+90, 191+00 AND 196+00, AND THE NORTHBOUND LEFT TURN LANE AND CENTER PAVEMENT BETWEEN STATIONS 200+52 AND 206+32 WILL BE CONSTRUCTED DURING THIS STAGE. TEMPORARY PAVEMENT IS CONSTRUCTED IN THE CENTER OF THE ROADWAY, AS SHOWN ON THE STAGE 1B PLANS.

3. BETWEEN HALF MILE TRAIL AND EDGEWOOD ROAD, SOUTHBOUND TRAFFIC REMAINS ON THE WEST SIDE UTILIZING THE EXISTING PAVEMENT, WHILE NORTHBOUND TRAFFIC REMAINS ALONG THE EAST SIDE ON THE PROPOSED PAVEMENT CONSTRUCTED IN STAGE 1. THE PROPOSED NORTHBOUND LEFT TURN LANE AND CENTER PAVEMENT IS CONSTRUCTED BETWEEN STATIONS 235+28 AND 239+06 AND BETWEEN STATIONS 247+76 AND 252+50. TEMPORARY PAVEMENT IS CONSTRUCTED ALONG THE EAST SIDE IN VARIOUS LOCATIONS, AS SHOWN ON THE PLANS.

4. BETWEEN EDGEWOOD ROAD AND BULL VALLEY ROAD/CHARLES J. MILLER ROAD, SOUTHBOUND TRAFFIC REMAINS ALONG THE WEST SIDE, UTILIZING THE PROPOSED PAVEMENT AND TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1. THE NORTHBOUND TRAFFIC REMAINS ON THE EAST SIDE, USING THE EXISTING PAVEMENT UNTIL HIPOINT ROAD. BETWEEN HIPOINT ROAD AND DAYTON STREET, NORTHBOUND TRAFFIC REMAINS ALONG THE EAST SIDE BUT TRANSITIONS ONTO THE PROPOSED PAVEMENT THAT WAS PREVIOUSLY CONSTRUCTED. THE CENTER LEFT-TURN LANES AND CENTER PAVEMENT WILL BE CONSTRUCTED DURING THIS STAGE BETWEEN STATIONS 261+17 AND 266+54, STATIONS 323+66 AND 328+73, STATIONS 332+10 AND 346+70, STATIONS 348+00 AND 351+25, STATIONS 364+06 AND 367+84, AND STATIONS 370+97 AND 374+82. TEMPORARY PAVEMENT IS CONSTRUCTED ALONG THE EAST SIDE IN VARIOUS LOCATIONS, AS SHOWN ON THE PLANS.

STAGE 2

1. DURING STAGE 2, THE FOLLOWING WILL BE CONSTRUCTED: PROPOSED PAVEMENT, CURB AND GUTTER, DRAINAGE STRUCTURES, DRIVEWAYS, SIDEWALK, SHARED-USE PATH, RETAINING WALLS, AND OTHER ROADWAY FEATURES.

2. BETWEEN IL 176 AND BRIGHTON LANE, TRAFFIC IS SHIFTED TO THE WEST SIDE ONTO THE PROPOSED PAVEMENT AND TEMPORARY PAVEMENT CONSTRUCTED IN STAGES 1, 1A, AND 1B UTILIZING A 2-LANE CROSS-SECTION (ONE 11' LANE IN EACH DIRECTION). THE EAST SIDE OF THE PROPOSED ROADWAY IS CONSTRUCTED UP TO THE PROPOSED CENTER MEDIAN.

3. BETWEEN BRIGHTON LANE AND EDGEWOOD ROAD, TRAFFIC IS SHIFTED TO THE EAST SIDE ONTO THE PROPOSED PAVEMENT AND TEMPORARY PAVEMENT CONSTRUCTED IN STAGES 1, 1A, AND 1B UTILIZING A 2-LANE CROSS-SECTION (ONE 11' LANE IN EACH DIRECTION). THE WEST SIDE OF THE ROADWAY IS CONSTRUCTED UP TO THE PROPOSED CENTER MEDIAN DURING THIS STAGE.

4. BETWEEN EDGEWOOD ROAD AND HIPOINT ROAD, TRAFFIC IS SHIFTED BACK TO THE WEST SIDE ONTO THE PROPOSED PAVEMENT AND TEMPORARY PAVEMENT CONSTRUCTED IN STAGES 1, 1A, AND 1B UTILIZING A 2-LANE CROSS-SECTION (ONE 11' LANE IN EACH DIRECTION). THE EAST SIDE OF THE ROADWAY IS CONSTRUCTED UP TO THE CENTER MEDIAN IN THIS STAGE.

5. BETWEEN HIPOINT ROAD AND BULL VALLEY ROAD/MILLER ROAD, TRAFFIC IS SHIFTED TO THE EAST SIDE ONTO THE PROPOSED PAVEMENT AND TEMPORARY PAVEMENT CONSTRUCTED IN STAGES 1, 1A, AND 1B UTILIZING A 2-LANE CROSS-SECTION (ONE 11' LANE IN EACH DIRECTION). THE WEST SIDE OF THE PROPOSED ROADWAY IS CONSTRUCTED UP TO THE PROPOSED CENTER MEDIAN.

STAGE 3

1. DURING STAGE 3, THE FOLLOWING WILL BE CONSTRUCTED: PROPOSED PAVEMENT, CURB, AND GUTTER ALONG THE CENTER MEDIAN.

2. BETWEEN IL 176 AND BULL VALLEY RD/CHARLES J. MILLER ROAD, NORTHBOUND TRAFFIC IS SHIFTED TO THE OUTERMOST EAST LANE WHILE SOUTHBOUND TRAFFIC IS SHIFTED TO THE OUTERMOST WEST LANE UTILIZING THE PROPOSED PAVEMENT PREVIOUSLY CONSTRUCTED. THE NORTHBOUND AND SOUTHBOUND LANES ARE SEPARATED BY THE WORK ZONE FLANKED ON BOTH SIDES BY A 12-FOOT BUFFER ZONE. ALL REMAINING PROPOSED CENTER PAVEMENT, CURB AND GUTTER, AND CENTER MEDIANS ARE CONSTRUCTED DURING THIS STAGE. ALL PERMANENT PAVEMENT MARKINGS AND SIGNS ARE ALSO INSTALLED.

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC GENERAL NOTES & STAGING
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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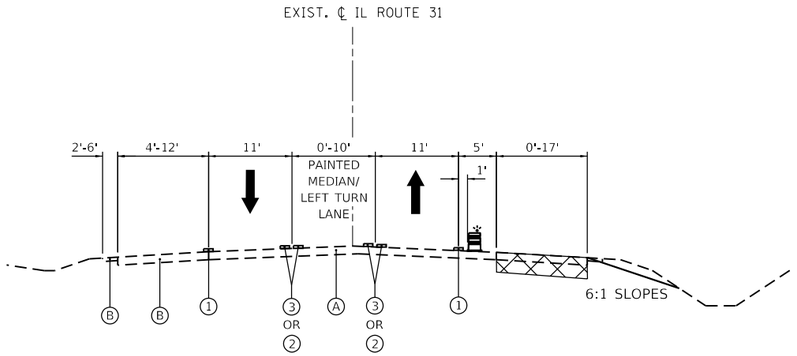
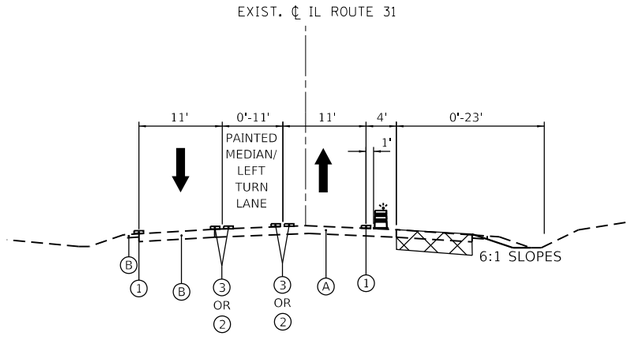
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



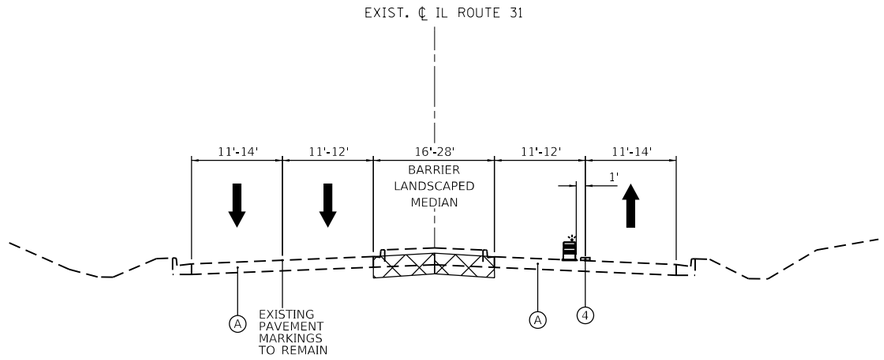
PRE–STAGE – IL ROUTE 31

STA. 193+32 TO 210+73



PRE–STAGE – IL ROUTE 31

STA. 310+00 TO 341+00



PRE–STAGE – IL ROUTE 31

STA. 380+32 TO 385+13

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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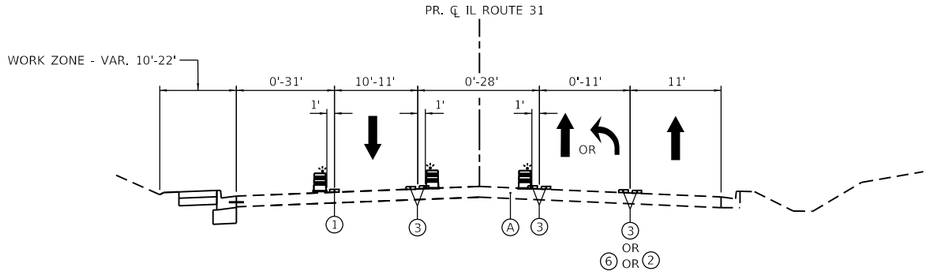
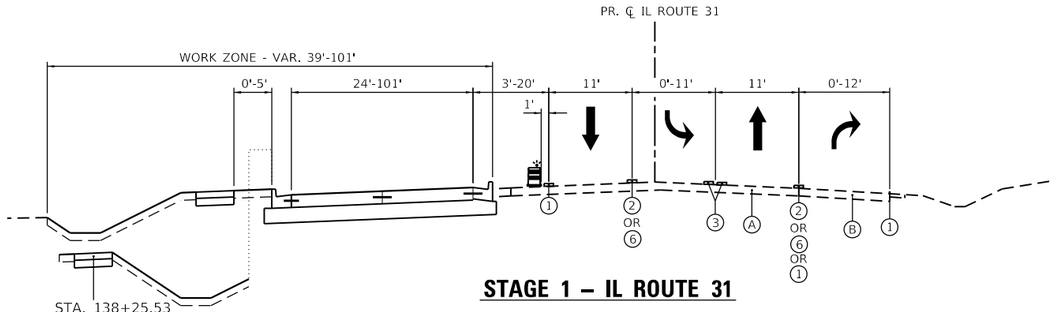
PATRICK a Rijft company	USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
		DRAWN - ACN	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -		SCALE: 1" = 20' SHEET 1 OF 22 SHEETS STA. TO STA.
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	104
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



STAGE 1 – IL ROUTE 31

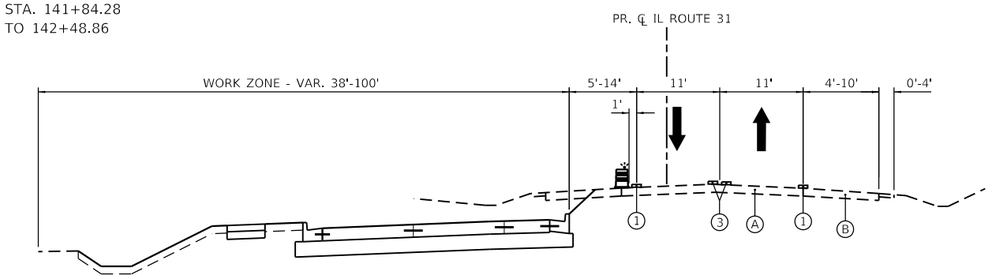
STA. 125+66.76 TO 138+38.22



STA. 138+25.53
TO 138+64.80
AND
STA. 141+84.28
TO 142+48.86

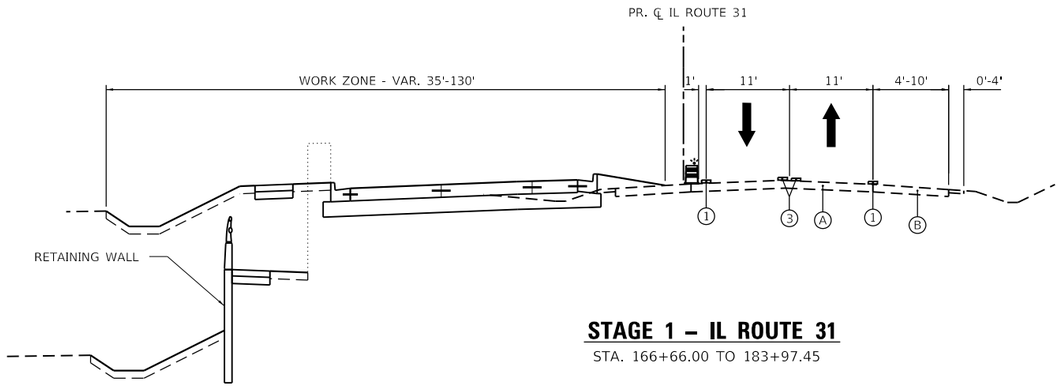
STAGE 1 – IL ROUTE 31

STA. 138+38.22 TO 160+50.04



STAGE 1 – IL ROUTE 31

STA. 160+50.04 TO 166+66.00



STAGE 1 – IL ROUTE 31

STA. 166+66.00 TO 183+97.45

STA. 177+56.13 TO 180+00.00

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
		DRAWN - ACN	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 20' | SHEET 2 OF 22 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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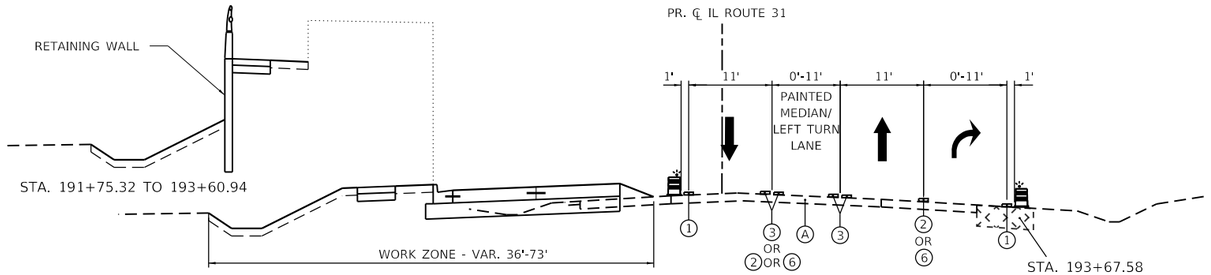
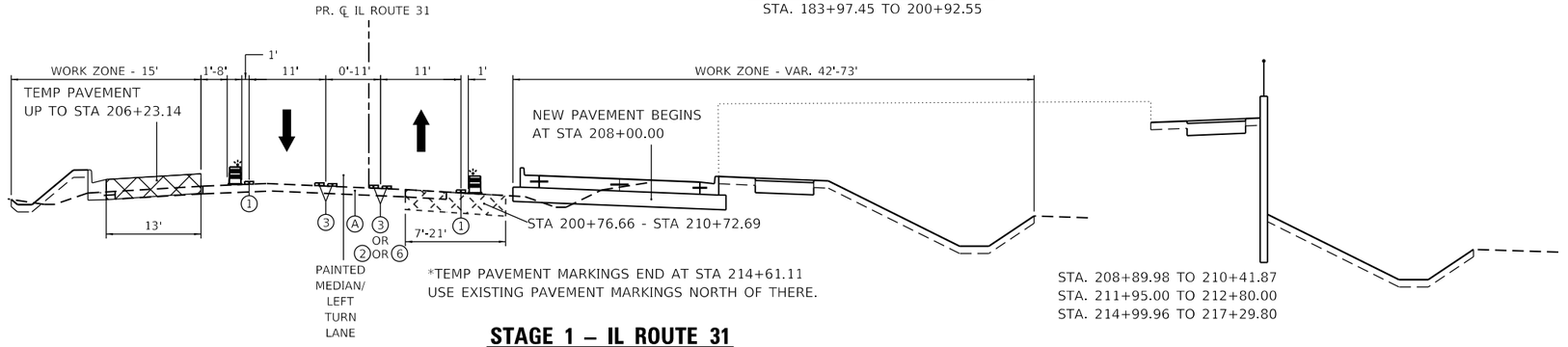
		CONTRACT NO. 62K69		
		ILLINOIS | FED. AID PROJECT		



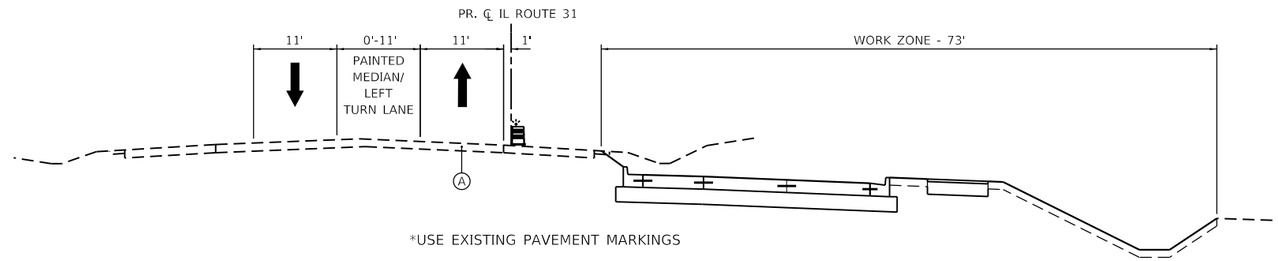
STAGE 1 – IL ROUTE 31

STA. 183+97.45 TO 200+92.55



STAGE 1 – IL ROUTE 31

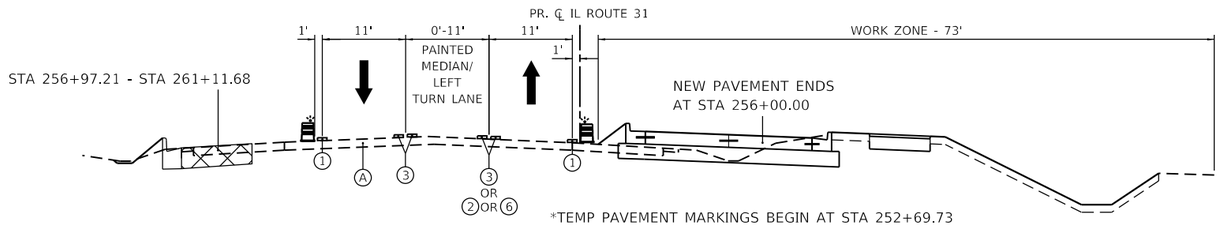
STA. 200+92.55 TO 232+05.72



*USE EXISTING PAVEMENT MARKINGS

STAGE 1 – IL ROUTE 31

STA. 232+05.72 TO 237+55.96



*TEMP PAVEMENT MARKINGS BEGIN AT STA 252+69.73
USE EXISTING MARKINGS UP TO THAT POINT.

STAGE 1 – IL ROUTE 31

STA. 237+55.96 TO 261+11.68

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- Ⓐ EXISTING HMA OR PCC PAVEMENT
- Ⓑ EXISTING HMA OR AGGREGATE SHOULDER
- ① TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- ② TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- ③ TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- ④ TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- ⑤ TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- ⑥ TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 3 OF 22 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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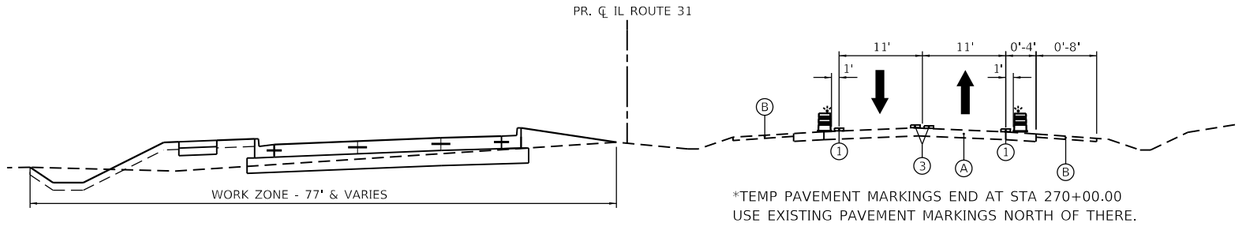
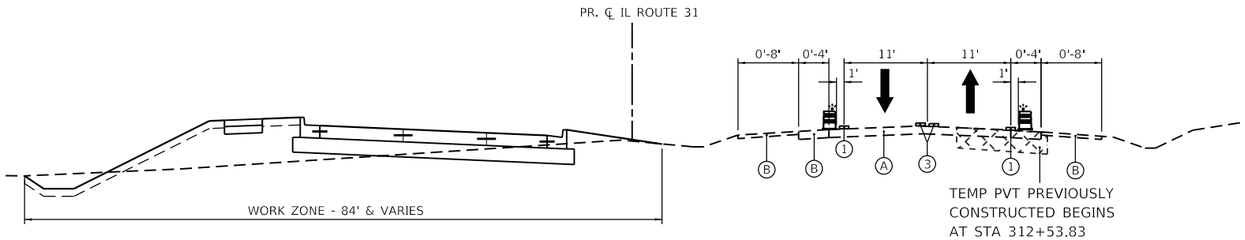
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



*TEMP PAVEMENT MARKINGS END AT STA 270+00.00
USE EXISTING PAVEMENT MARKINGS NORTH OF THERE.

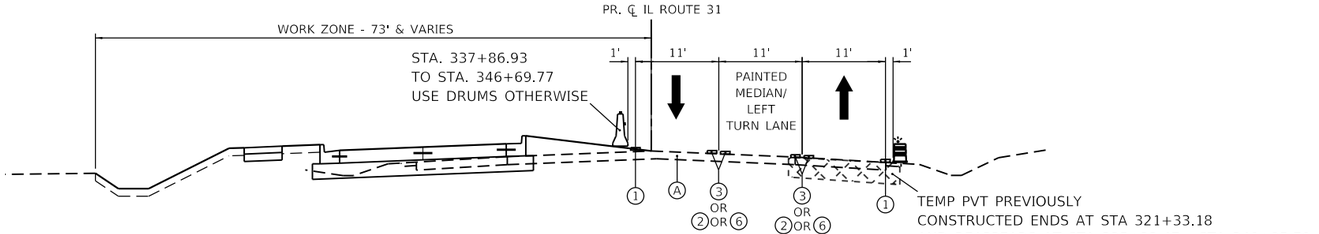
STAGE 1 – IL ROUTE 31
STA. 261+11.68 TO 295+00.00



TEMP PVT PREVIOUSLY
CONSTRUCTED BEGINS
AT STA 312+53.83

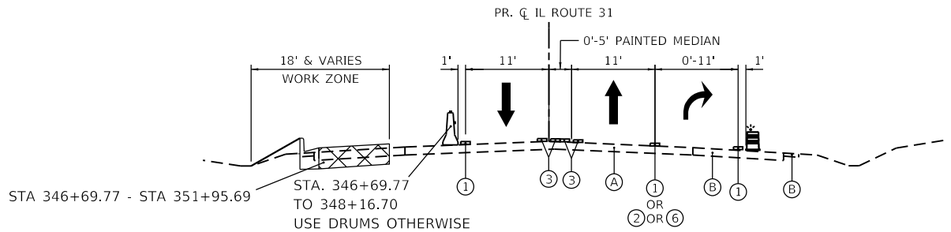
STAGE 1 – IL ROUTE 31
STA. 295+00.00 TO 315+00.00

*TEMP PAVEMENT MARKINGS BEGIN AT STA 306+21.23
USE EXISTING PAVEMENT MARKINGS NORTH OF THERE.

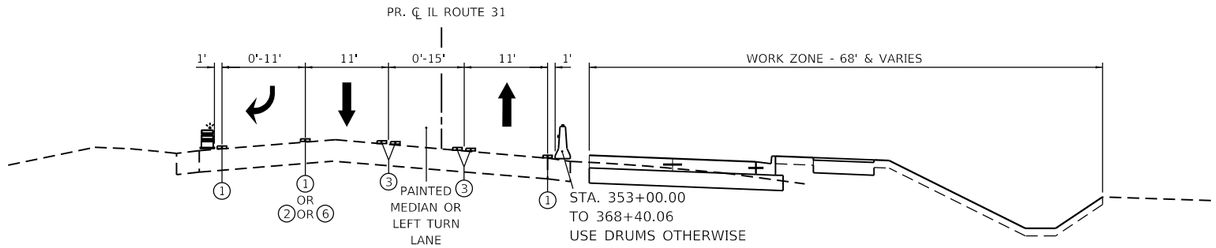


TEMP PVT PREVIOUSLY
CONSTRUCTED ENDS AT STA 321+33.18
AND REAPPEARS AT STA 325+22.47 - STA 340+95.70
AND AGAIN AT STA 344+90.33 - STA 346+55.22

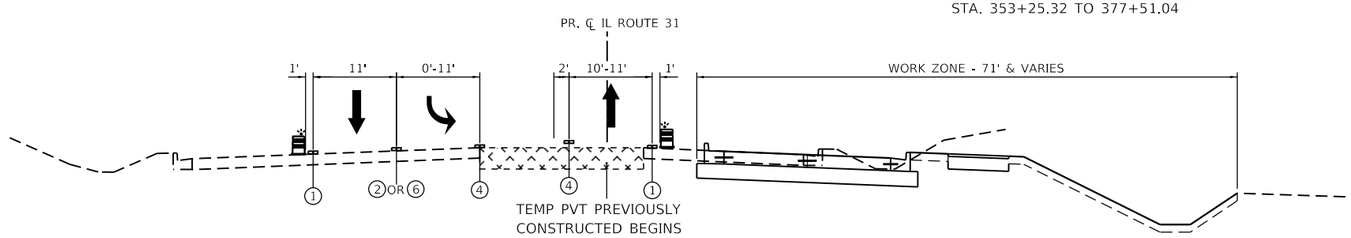
STAGE 1 – IL ROUTE 31
STA. 315+00.00 TO 346+69.77



STAGE 1 – IL ROUTE 31
STA. 346+69.77 TO 353+25.32



STAGE 1 – IL ROUTE 31
STA. 353+25.32 TO 377+51.04



TEMP PVT PREVIOUSLY
CONSTRUCTED BEGINS
AT STA 379+73.70

STAGE 1 – IL ROUTE 31
STA. 377+51.04 TO 385+44.45

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a Jacobs company

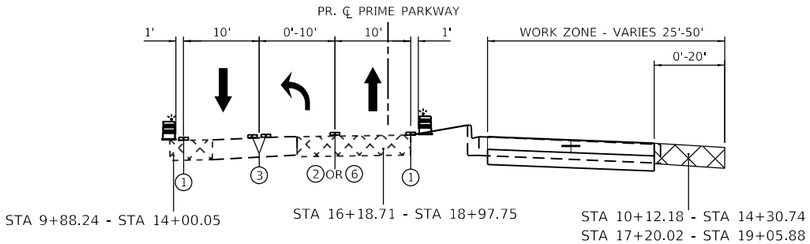
USER NAME = bwitort	DESIGNED - ACN	REVISED -
	DRAWN - ACN	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

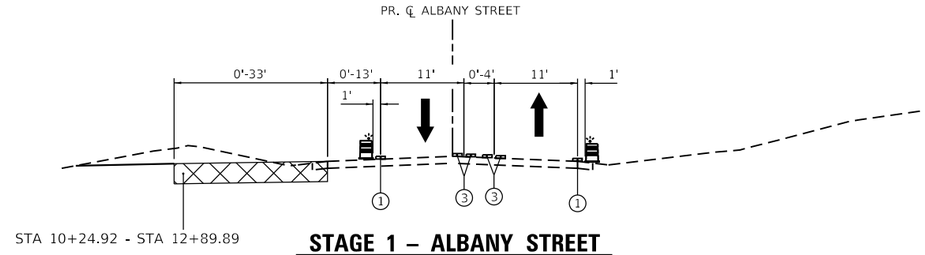
SCALE: 1" = 20' | SHEET 4 OF 22 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	107
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



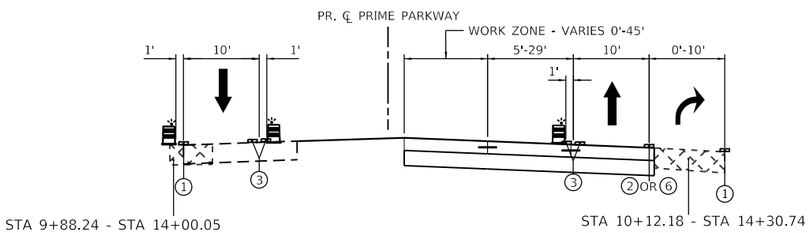
STAGE 1 – PRIME PARKWAY

STA. 10+83.17 TO 18+88.10
(LOOKING EAST)



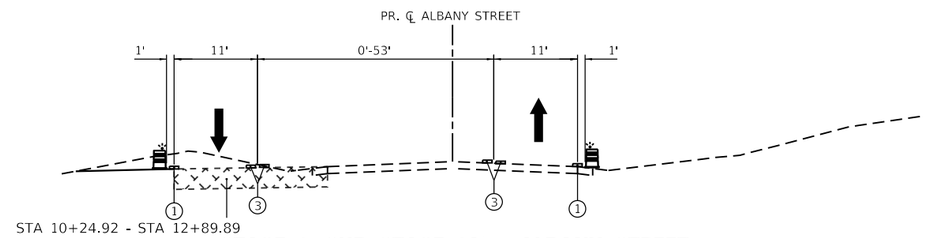
STAGE 1 – ALBANY STREET

STA. 11+27.39 TO 14+99.57
(LOOKING WEST)



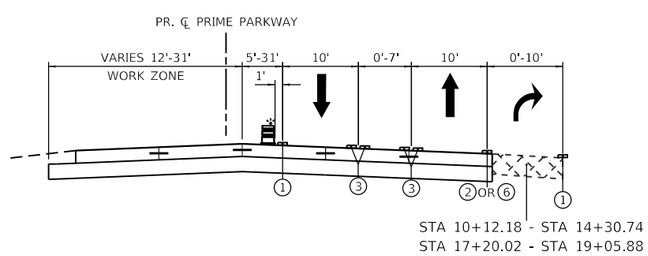
STAGE 1 (SUB–STAGE 1A) – PRIME PARKWAY

STA. 10+83.17 TO 18+88.10
(LOOKING EAST)



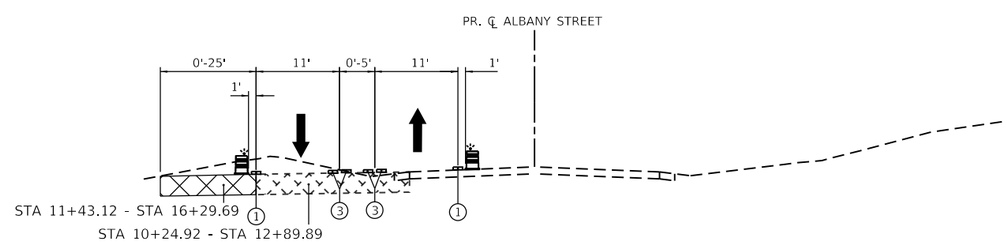
STAGE 1 (SUB–STAGE 1A) – ALBANY STREET

STA. 11+27.39 TO 14+99.57
(LOOKING WEST)



STAGE 1 (SUB–STAGE 1B) – PRIME PARKWAY

STA. 10+83.17 TO 18+88.10
(LOOKING EAST)



STAGE 1 (SUB–STAGE 1B) – ALBANY STREET

STA. 11+27.39 TO 14+99.57
(LOOKING WEST)

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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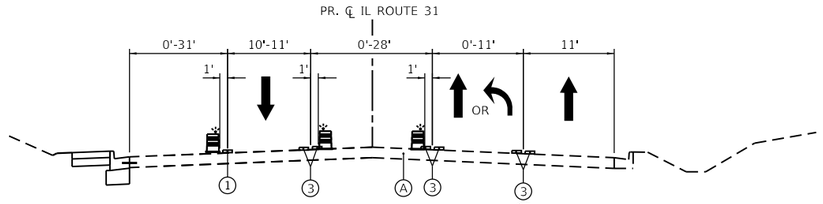
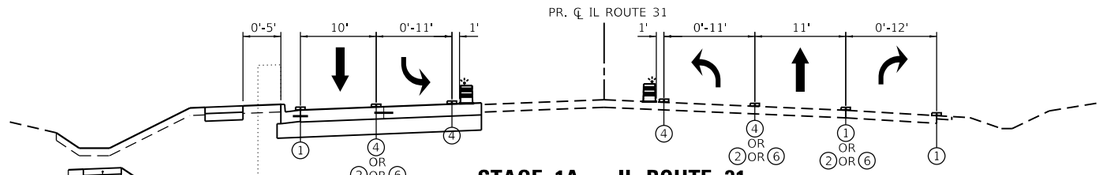
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
		DRAWN - ACN	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 20' SHEET 5 OF 22 SHEETS STA. TO STA.

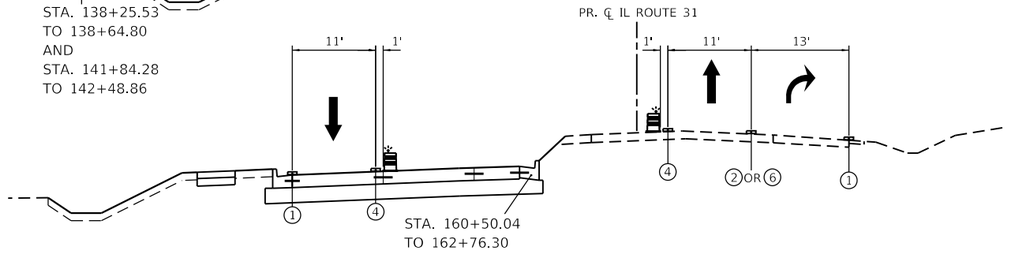
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	108
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



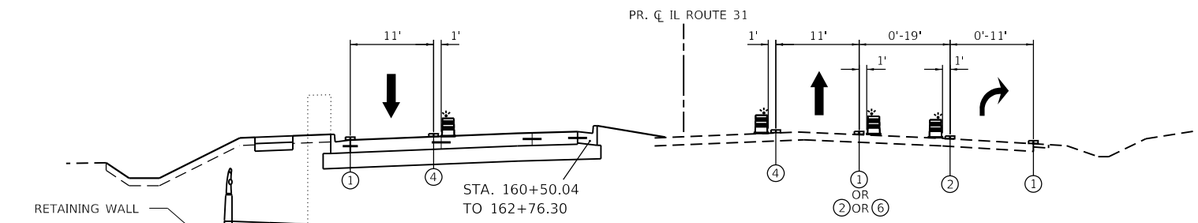
STAGE 1A – IL ROUTE 31
STA. 125+66.76 TO 138+38.22



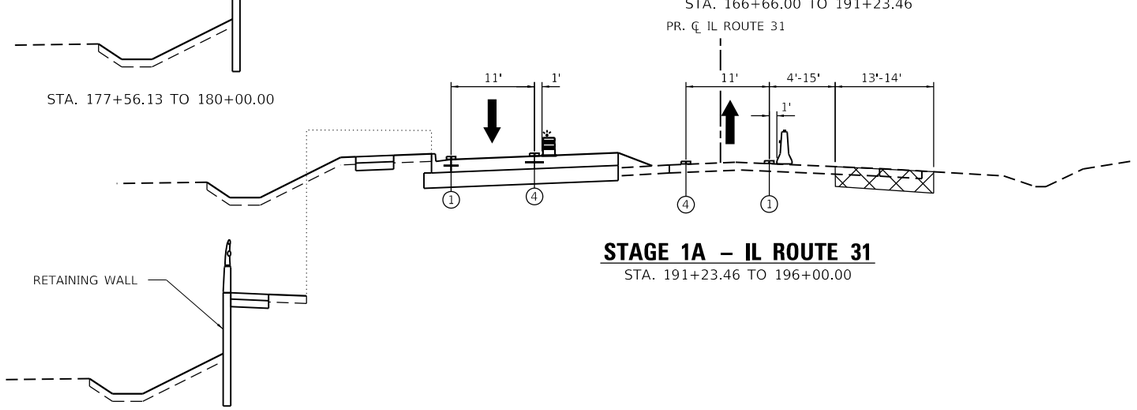
STAGE 1A – IL ROUTE 31
STA. 138+38.22 TO 160+50.04



STAGE 1A – IL ROUTE 31
STA. 160+50.04 TO 166+66.00



STAGE 1A – IL ROUTE 31
STA. 166+66.00 TO 191+23.46



STA. 177+56.13 TO 180+00.00

STAGE 1A – IL ROUTE 31
STA. 191+23.46 TO 196+00.00

STA. 191+75.32 TO 193+60.94

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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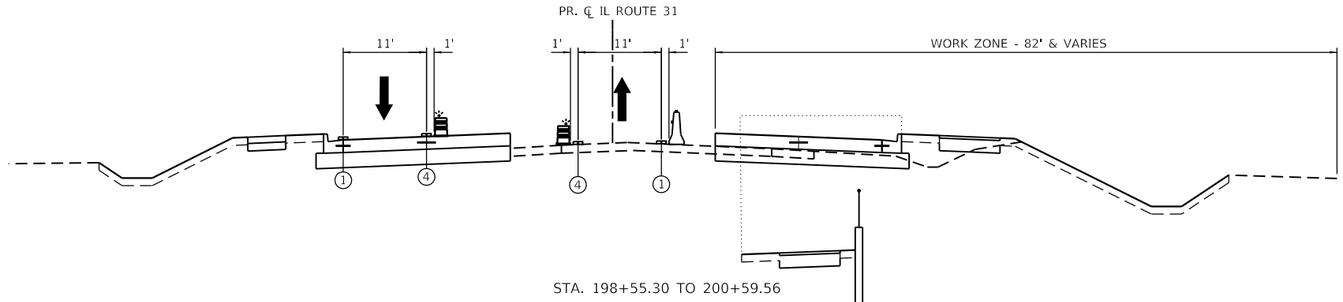
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -
		DRAWN - ACN	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

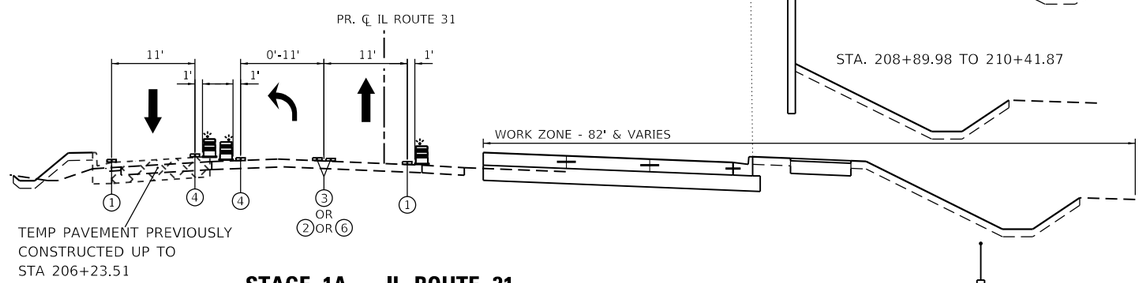
SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 6 OF 22 SHEETS | STA. TO STA.

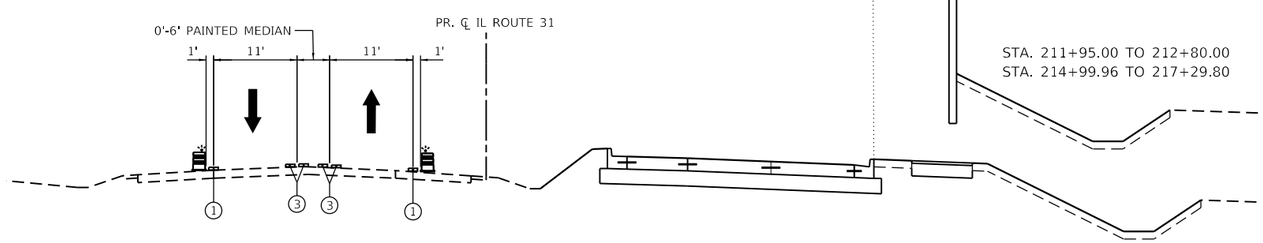
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	109
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



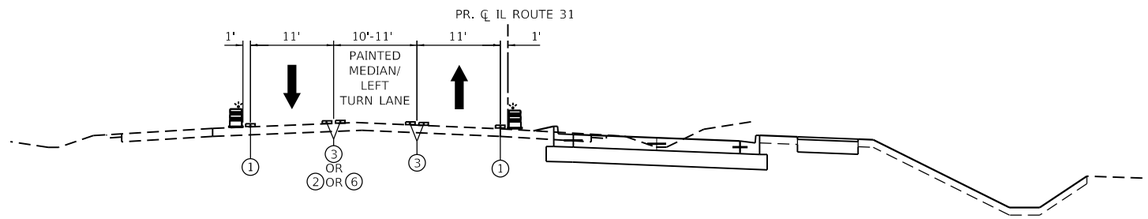
STAGE 1A – IL ROUTE 31
STA. 196+00.00 TO 200+92.55



STAGE 1A – IL ROUTE 31
STA. 200+92.55 TO 210+72.69



STAGE 1A – IL ROUTE 31
STA. 210+72.69 TO 232+05.72



STAGE 1A – IL ROUTE 31
STA. 232+05.72 TO 256+00.00

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

MODEL: Default
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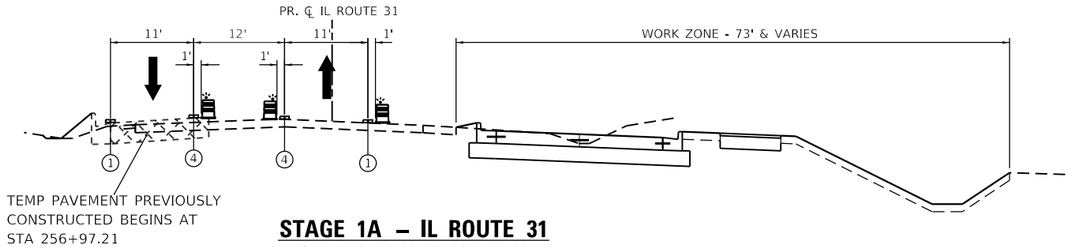
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -
		DRAWN - ACN	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

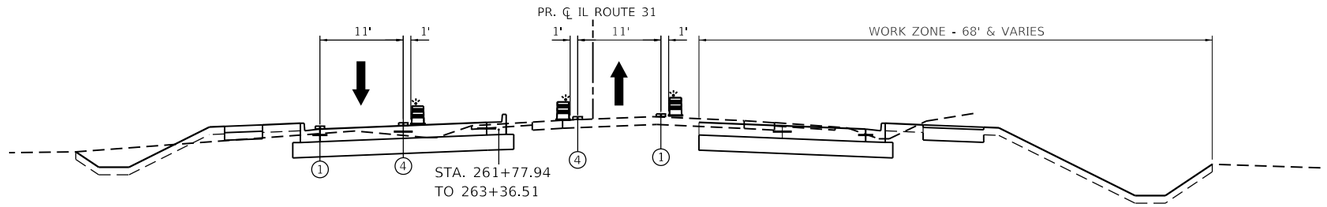
SCALE: 1" = 20' | SHEET 7 OF 22 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	110
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



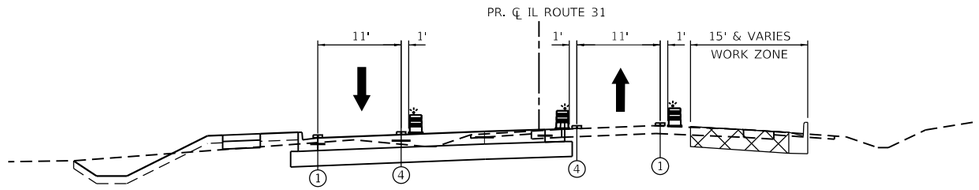
STAGE 1A – IL ROUTE 31

STA. 256+00.00 TO 261+11.68



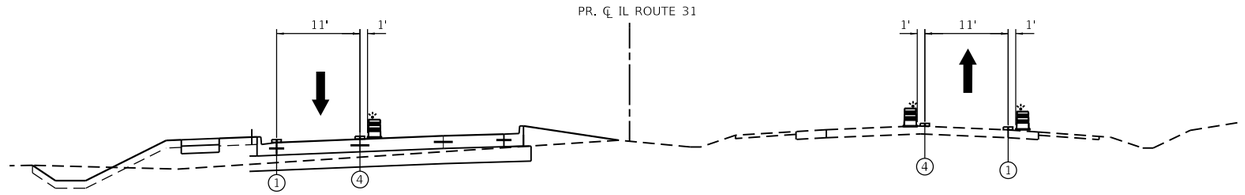
STAGE 1A – IL ROUTE 31

STA. 261+11.68 TO 263+36.51



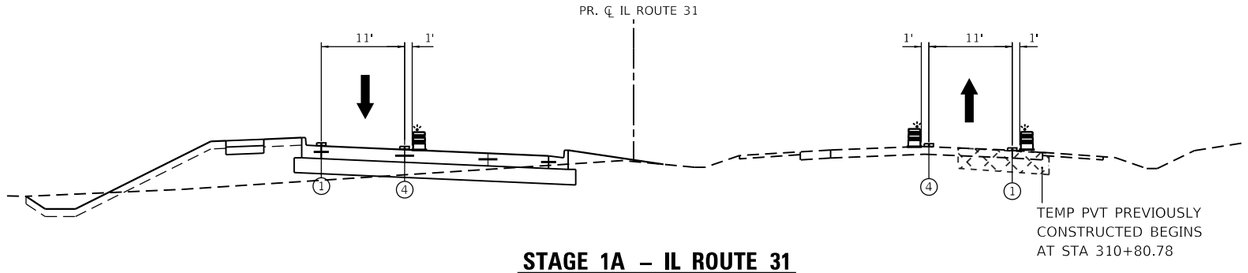
STAGE 1A – IL ROUTE 31

STA. 263+36.51 TO 267+20.87



STAGE 1A – IL ROUTE 31

STA. 267+20.87 TO 295+00.00



STAGE 1A – IL ROUTE 31

STA. 295+00.00 TO 315+00.00

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- Ⓐ EXISTING HMA OR PCC PAVEMENT
- Ⓑ EXISTING HMA OR AGGREGATE SHOULDER
- ① TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- ② TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- ③ TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- ④ TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- ⑤ TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- ⑥ TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a RJR company

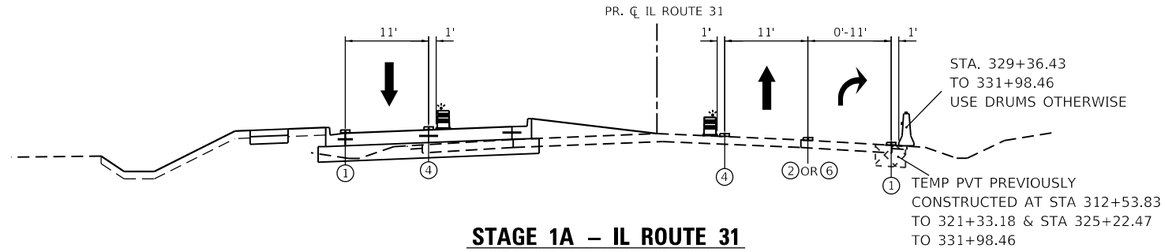
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

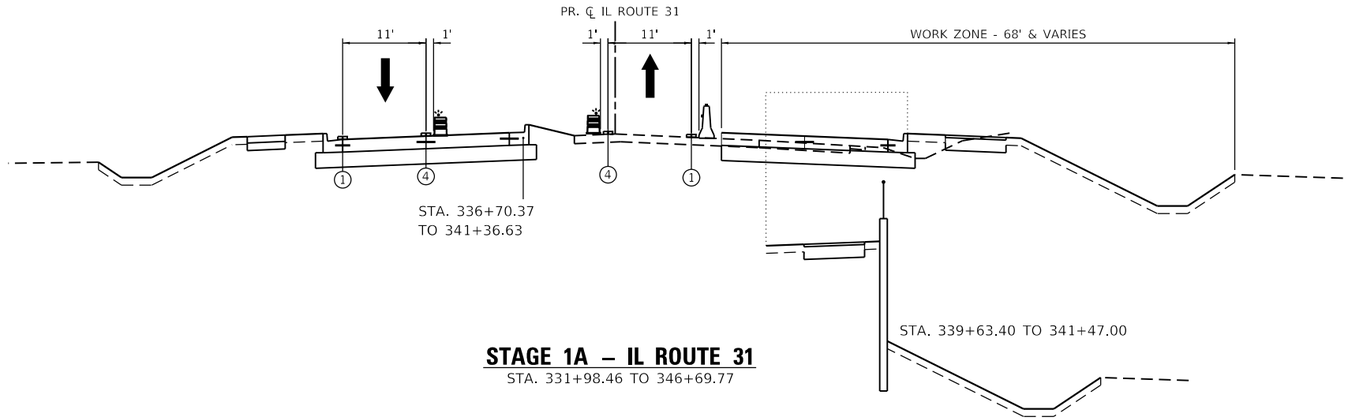
SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 8 OF 22 SHEETS | STA. | TO STA.

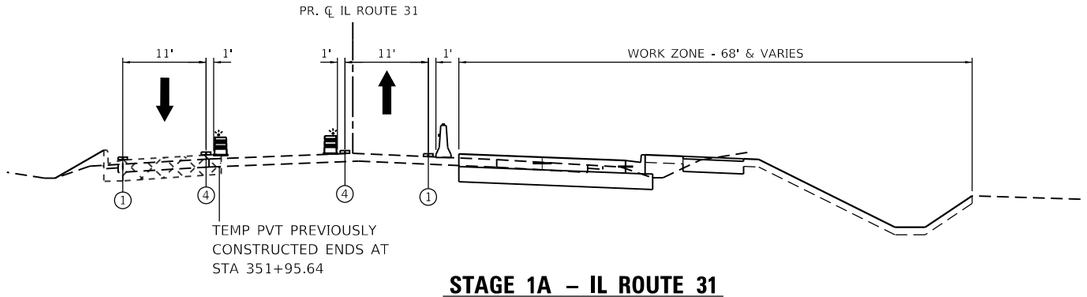
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	111
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



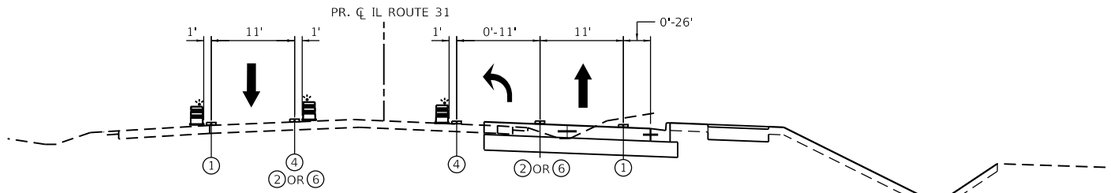
STAGE 1A – IL ROUTE 31
STA. 315+00.00 TO 331+98.46



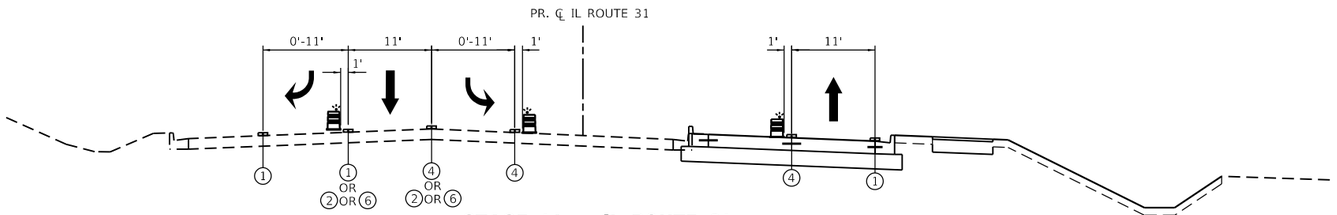
STAGE 1A – IL ROUTE 31
STA. 331+98.46 TO 346+69.77



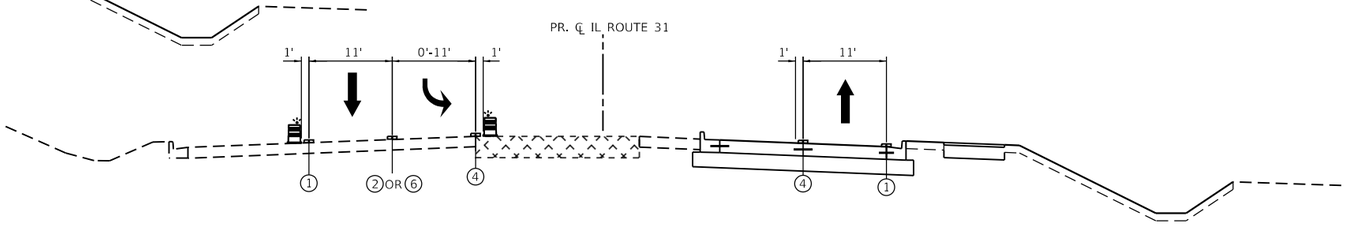
STAGE 1A – IL ROUTE 31
STA. 346+69.77 TO 353+25.32



STAGE 1A – IL ROUTE 31
STA. 353+25.32 TO 367+83.09



STAGE 1A – IL ROUTE 31
STA. 367+83.09 TO 377+51.04



STAGE 1A – IL ROUTE 31
STA. 377+51.04 TO 382+98.70

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

MODEL: Default
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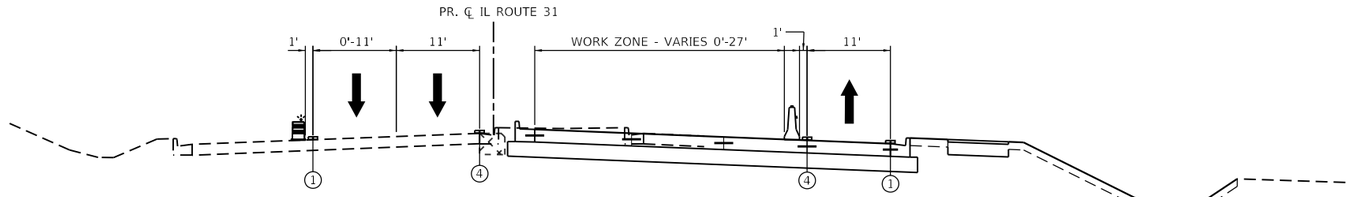
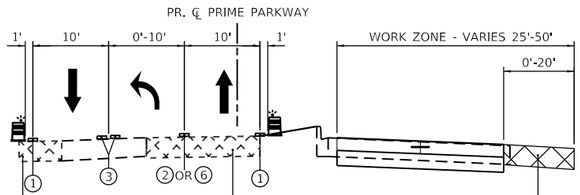
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
		DRAWN - ACN	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 20' SHEET 9 OF 22 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	112
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



STAGE 1A – IL ROUTE 31

STA. 382+98.70 TO 385+44.45



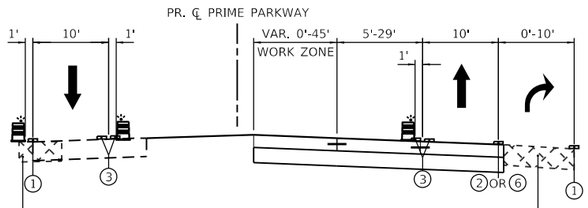
STA 9+88.24 - STA 14+00.05

STA 16+18.71 - STA 18+97.75

STA 10+12.18 - STA 14+30.74
STA 17+20.02 - STA 19+05.88

STAGE 1A – PRIME PARKWAY

STA. 10+83.17 TO 18+88.10
(LOOKING EAST)

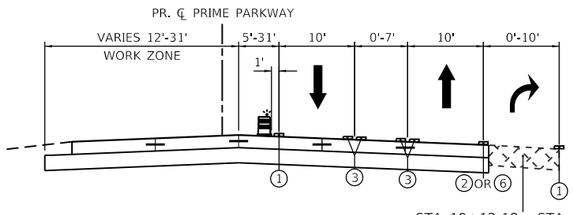


STA 9+88.24 - STA 14+00.05

STA 10+12.18 - STA 14+30.74
STA 17+20.02 - STA 19+05.88

STAGE 1A (SUB–STAGE 1A) – PRIME PARKWAY

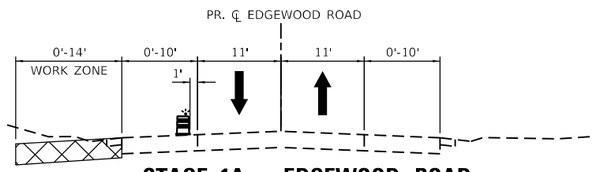
STA. 10+83.17 TO 18+88.10
(LOOKING EAST)



STA 10+12.18 - STA 14+30.74
STA 17+20.02 - STA 19+05.88

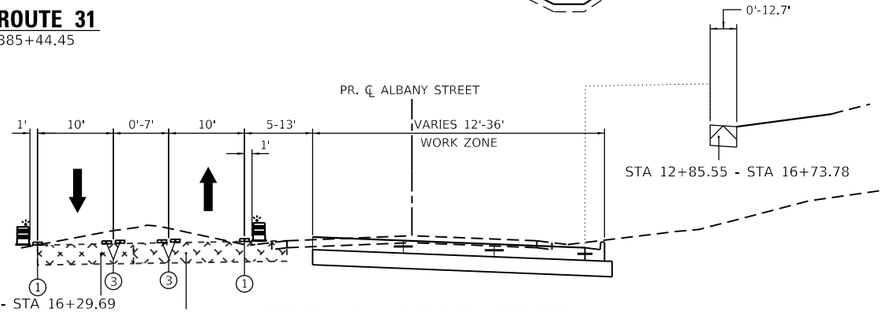
STAGE 1A (SUB–STAGE 1B) – PRIME PARKWAY

STA. 10+83.17 TO 18+88.10
(LOOKING EAST)



STAGE 1A – EDGEWOOD ROAD

STA. 03+95.68 TO 09+31.32
(LOOKING EAST)

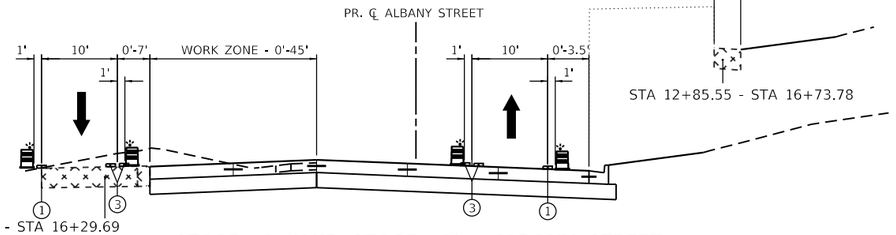


STA 11+43.12 - STA 16+29.69
STA 10+24.92 - STA 12+89.89

STA 12+85.55 - STA 16+73.78

STAGE 1A – ALBANY STREET

STA. 11+27.39 TO 14+99.57
(LOOKING WEST)

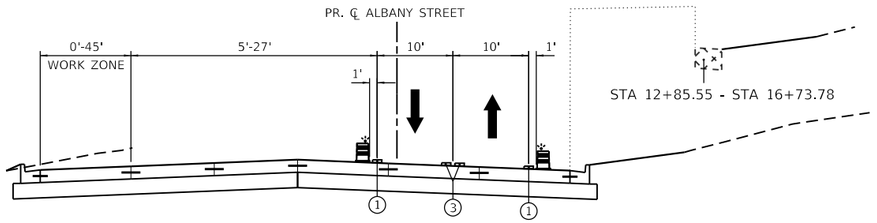


STA 11+43.12 - STA 16+29.69

STA 12+85.55 - STA 16+73.78

STAGE 1A (SUB–STAGE 1A) – ALBANY STREET

STA. 11+27.39 TO 14+99.57
(LOOKING WEST)



STA 12+85.55 - STA 16+73.78

STAGE 1A (SUB–STAGE 1B) – ALBANY STREET

STA. 11+27.39 TO 14+99.57
(LOOKING WEST)

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a RJN company

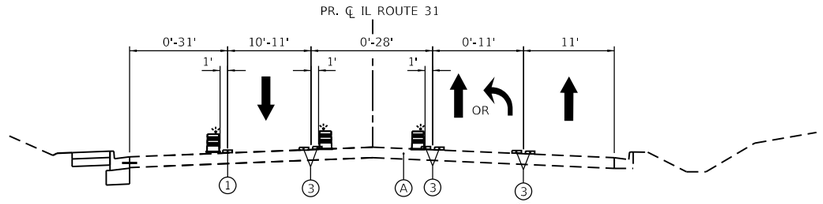
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

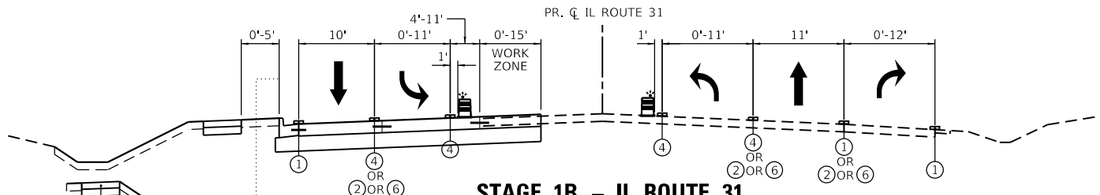
SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 10 OF 22 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	113
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

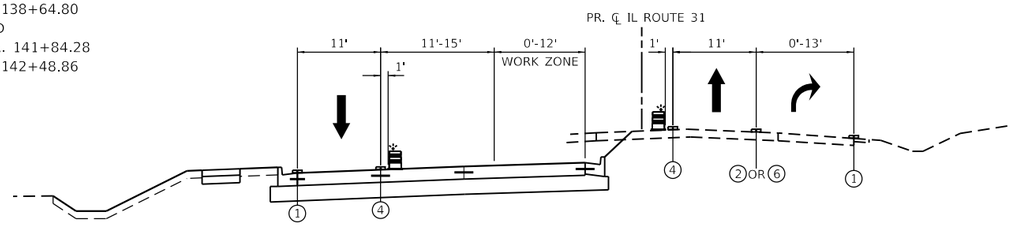


STAGE 1B – IL ROUTE 31
STA. 125+66.76 TO 138+38.22

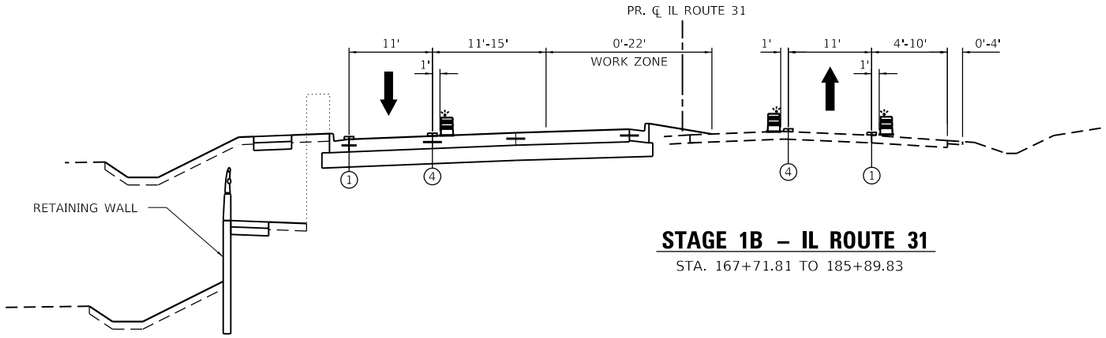


STAGE 1B – IL ROUTE 31
STA. 138+38.22 TO 160+50.04

STA. 138+25.53
TO 138+64.80
AND
STA. 141+84.28
TO 142+48.86

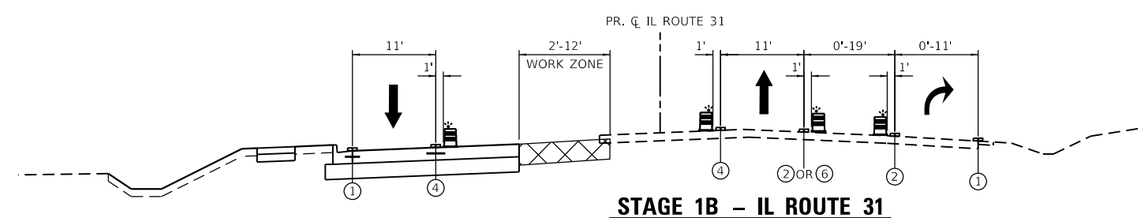


STAGE 1B – IL ROUTE 31
STA. 160+50.04 TO 167+71.81

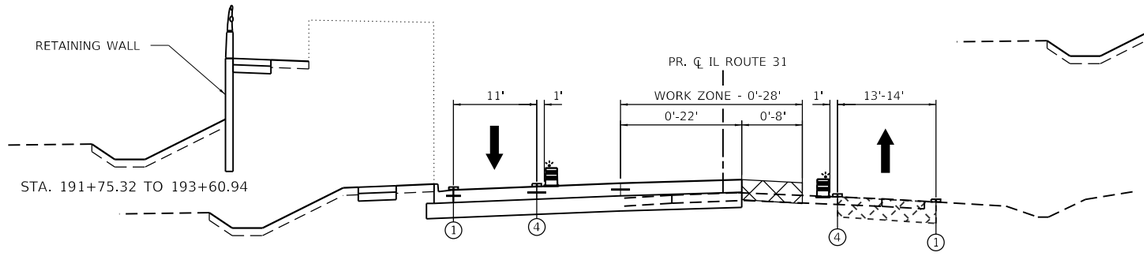


STAGE 1B – IL ROUTE 31
STA. 167+71.81 TO 185+89.83

STA. 177+56.13 TO 180+00.00

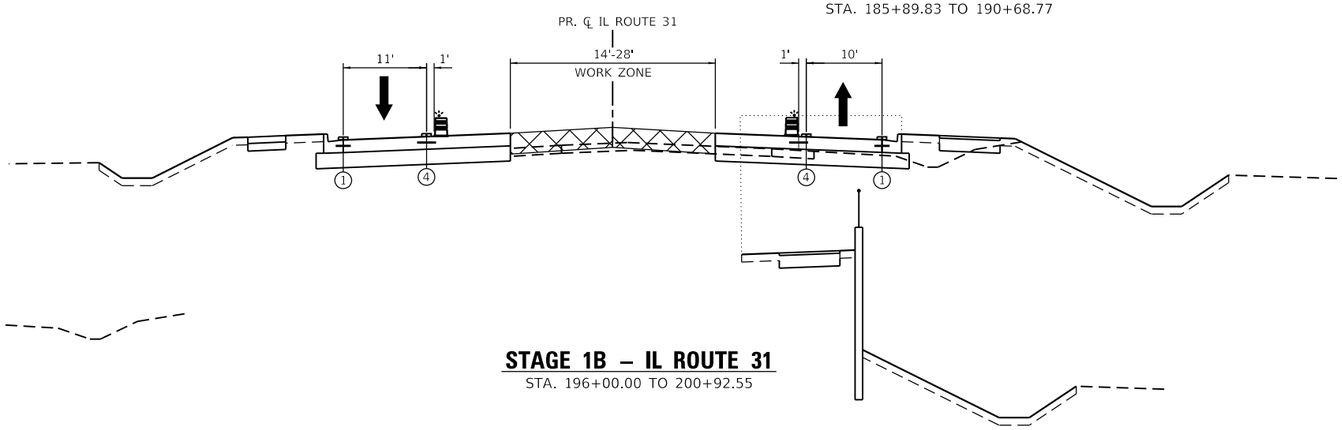


STAGE 1B – IL ROUTE 31
STA. 185+89.83 TO 190+68.77



STA. 191+75.32 TO 193+60.94

STAGE 1B – IL ROUTE 31
STA. 190+68.77 TO 196+00.00



STAGE 1B – IL ROUTE 31
STA. 196+00.00 TO 200+92.55

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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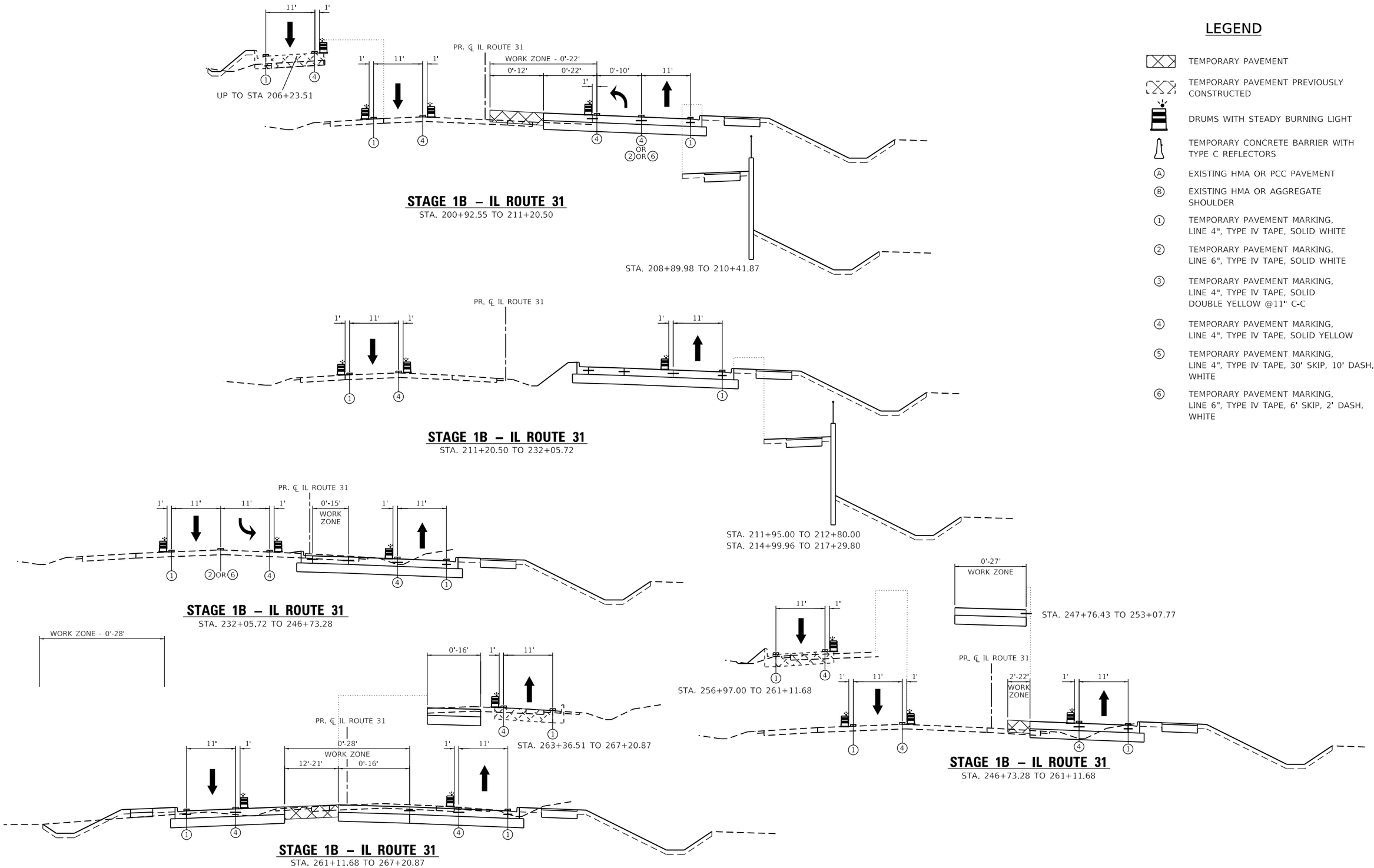
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -
		DRAWN - ACN	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 11 OF 22 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	114
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



STAGE 1B – IL ROUTE 31
STA. 200+92.55 TO 211+20.50

STAGE 1B – IL ROUTE 31
STA. 211+20.50 TO 232+05.72

STAGE 1B – IL ROUTE 31
STA. 232+05.72 TO 246+73.28

STAGE 1B – IL ROUTE 31
STA. 261+11.68 TO 267+20.87

STAGE 1B – IL ROUTE 31
STA. 246+73.28 TO 261+11.68

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -
		DRAWN - ACN	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 12 OF 22 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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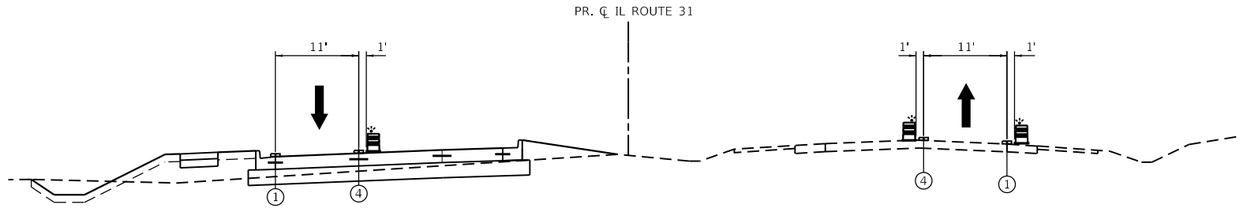
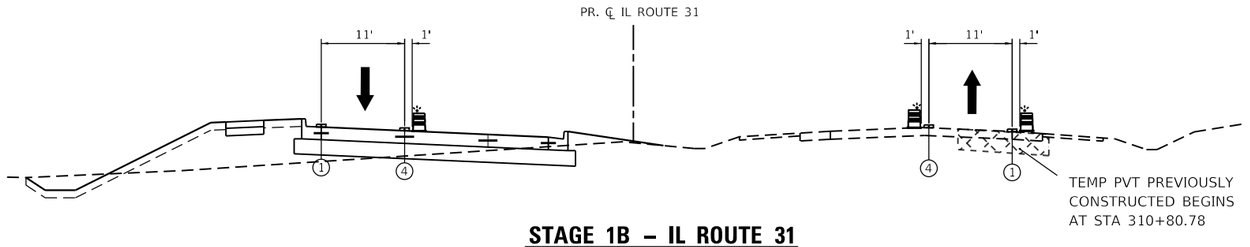
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



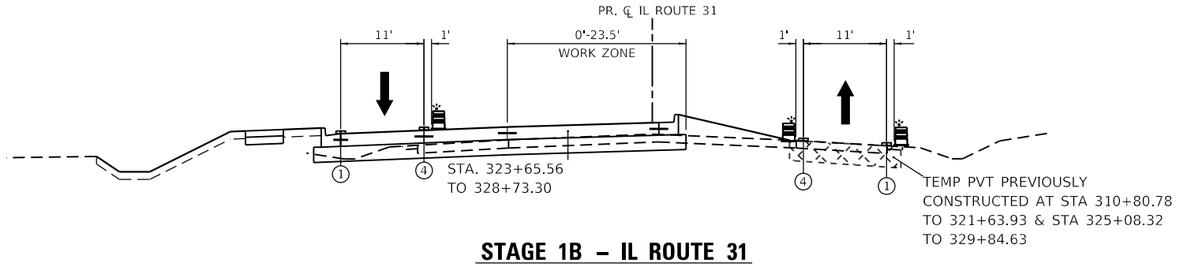
STAGE 1B – IL ROUTE 31

STA. 267+20.87 TO 295+00.00



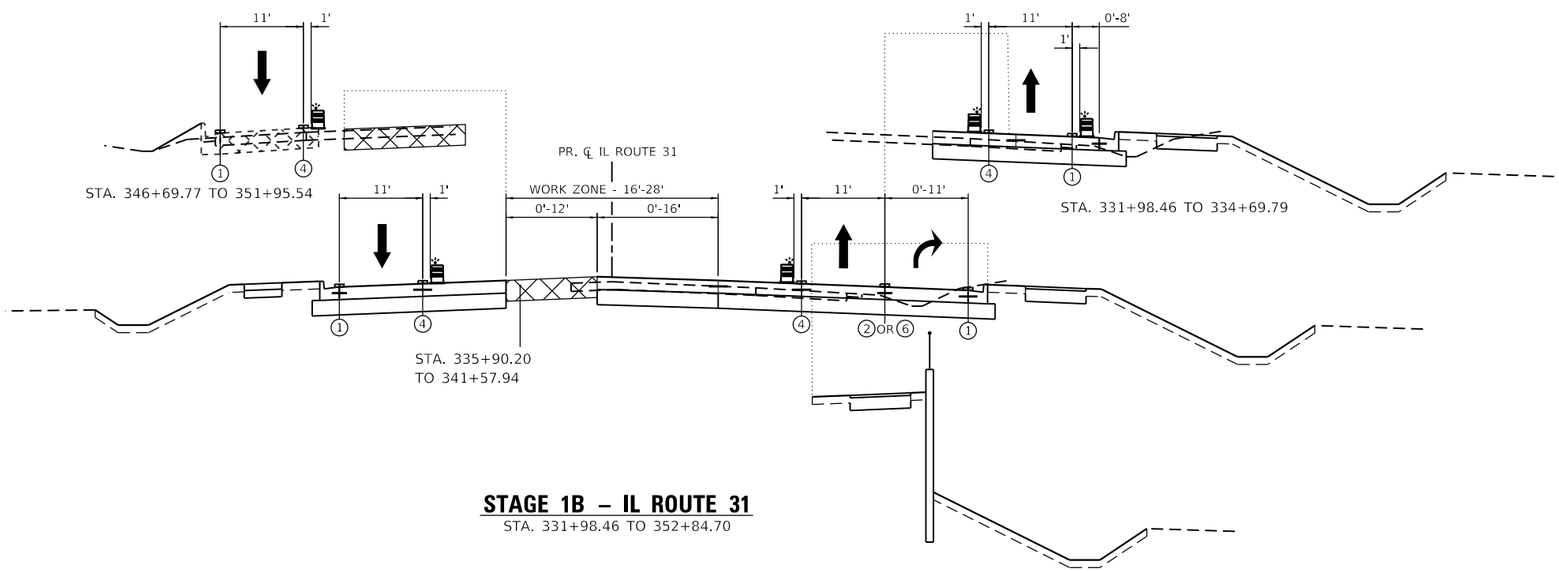
STAGE 1B – IL ROUTE 31

STA. 295+00.00 TO 315+00.00



STAGE 1B – IL ROUTE 31

STA. 315+00.00 TO 331+98.46



STAGE 1B – IL ROUTE 31

STA. 331+98.46 TO 352+84.70

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- Ⓐ EXISTING HMA OR PCC PAVEMENT
- Ⓑ EXISTING HMA OR AGGREGATE SHOULDER
- ① TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- ② TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- ③ TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- ④ TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- ⑤ TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- ⑥ TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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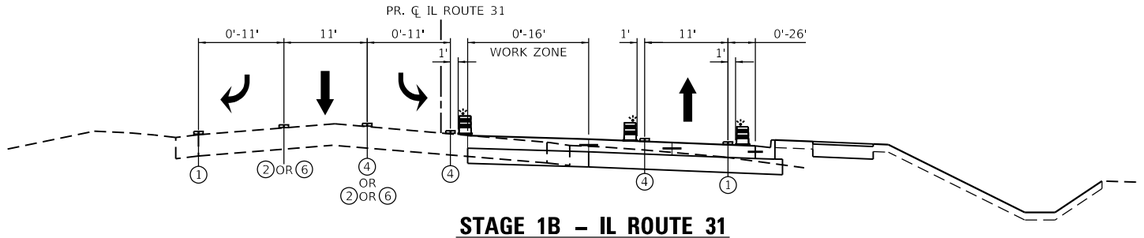
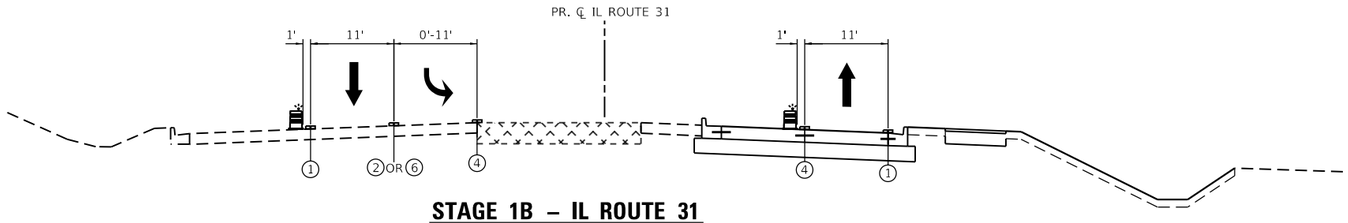
PATRICK a WSP company	USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
		DRAWN - ACN	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 20' | SHEET 13 OF 22 SHEETS | STA. TO STA.

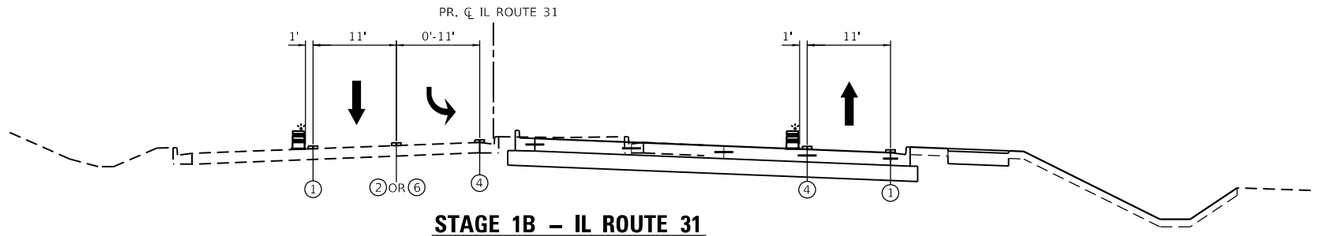
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	116
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



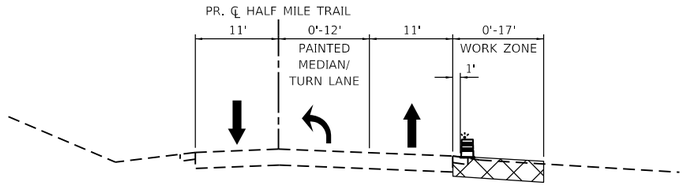
STAGE 1B – IL ROUTE 31
STA. 352+84.70 TO 377+51.04



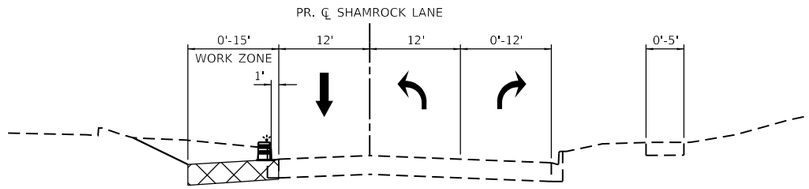
STAGE 1B – IL ROUTE 31
STA. 377+51.04 TO 382+98.70



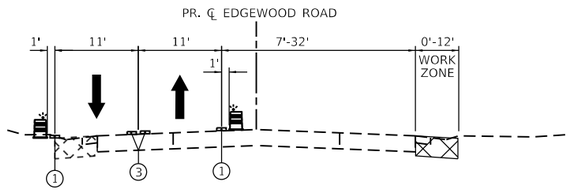
STAGE 1B – IL ROUTE 31
STA. 382+98.70 TO 385+44.45



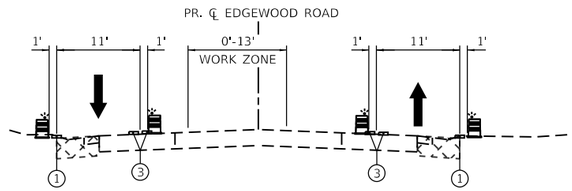
STAGE 1B – HALF MILE TRAIL
STA. 38+08.09 TO 49+48.73
(LOOKING EAST)



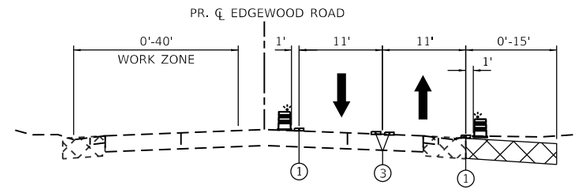
STAGE 1B – SHAMROCK LANE
STA. 10+25.00 TO 13+29.05
(LOOKING EAST)



STAGE 1B – EDGEWOOD ROAD
STA. 03+95.68 TO 09+31.32
(LOOKING EAST)



STAGE 1B (SUB–STAGE 1A) – EDGEWOOD ROAD
STA. 03+95.68 TO 09+31.32
(LOOKING EAST)



STAGE 1B (SUB–STAGE 1B) – EDGEWOOD ROAD
STA. 03+95.68 TO 09+31.32
(LOOKING EAST)

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a RJR company

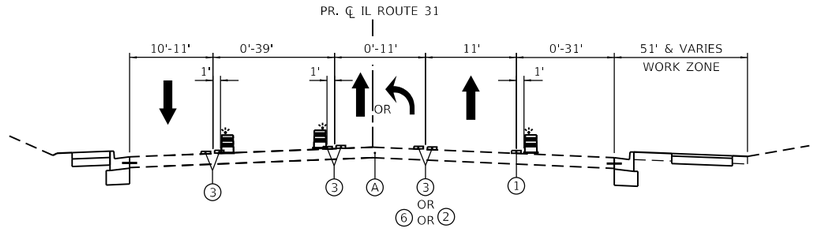
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

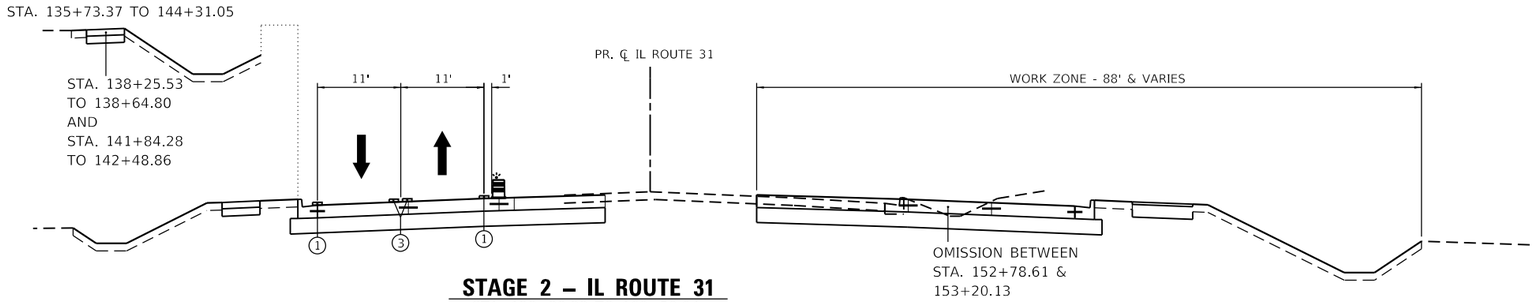
SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 14 OF 22 SHEETS | STA. TO STA.

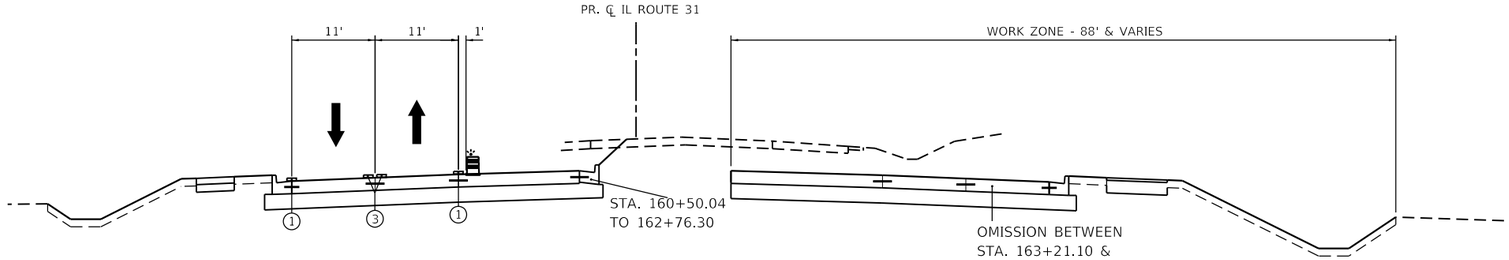
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	117
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



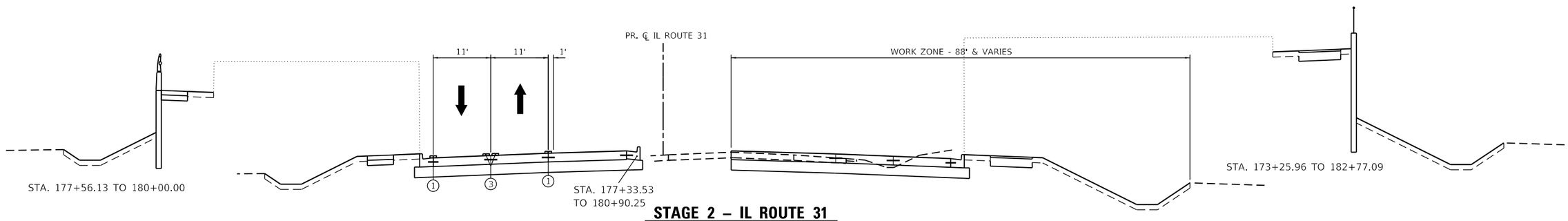
STAGE 2 – IL ROUTE 31
STA. 125+66.76 TO 138+38.22



STAGE 2 – IL ROUTE 31
STA. 138+38.22 TO 160+50.04



STAGE 2 – IL ROUTE 31
STA. 160+50.04 TO 167+71.81



STAGE 2 – IL ROUTE 31
STA. 167+71.81 TO 185+89.83

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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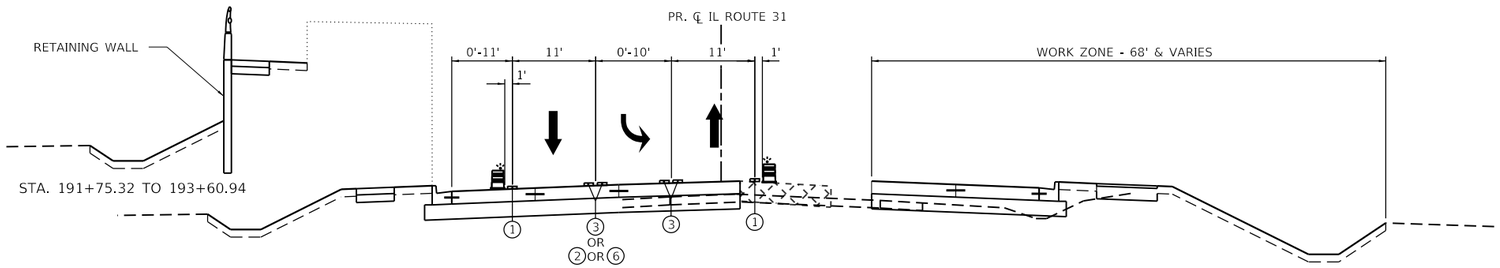
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -
		DRAWN - ACN	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

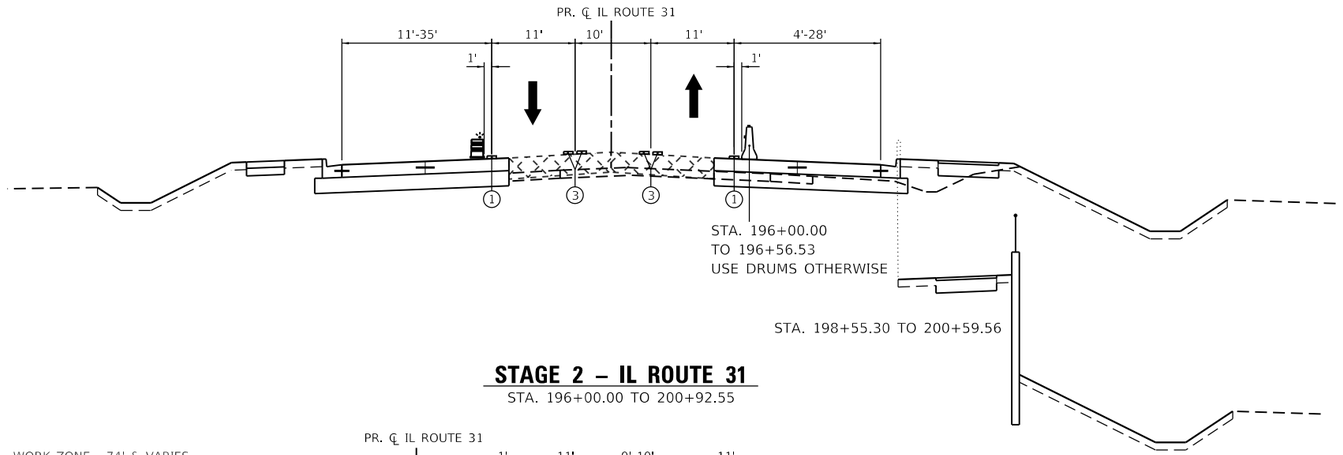
SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 15 OF 22 SHEETS | STA. TO STA.

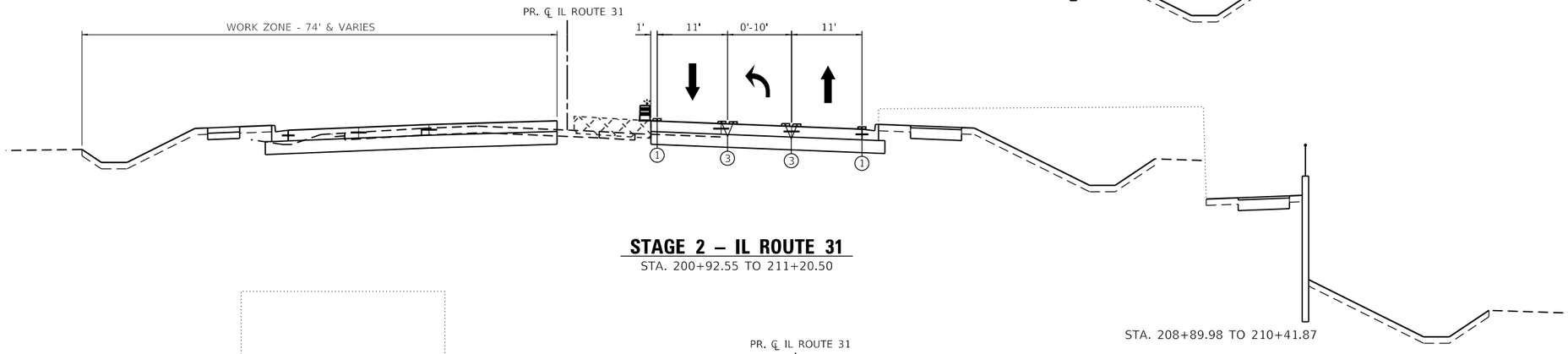
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	118
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



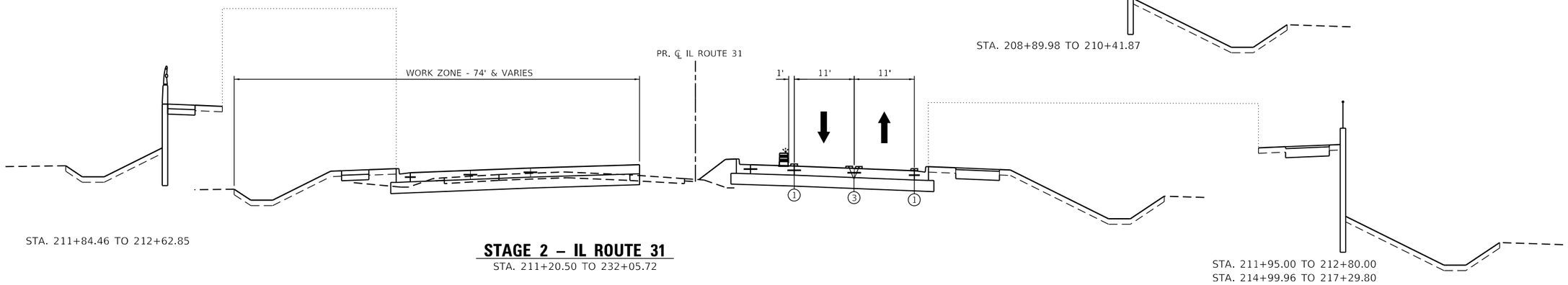
STAGE 2 – IL ROUTE 31
STA. 185+89.83 TO 196+00.00



STAGE 2 – IL ROUTE 31
STA. 196+00.00 TO 200+92.55



STAGE 2 – IL ROUTE 31
STA. 200+92.55 TO 211+20.50



STAGE 2 – IL ROUTE 31
STA. 211+20.50 TO 232+05.72

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

MODEL: Default
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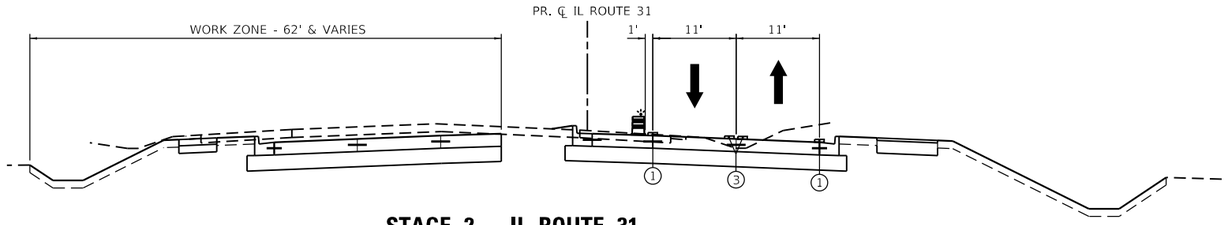
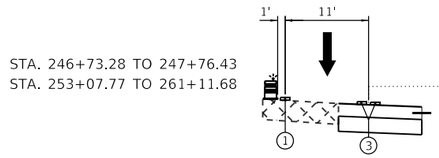
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
		DRAWN - ACN	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 20' SHEET 16 OF 22 SHEETS STA. TO STA.

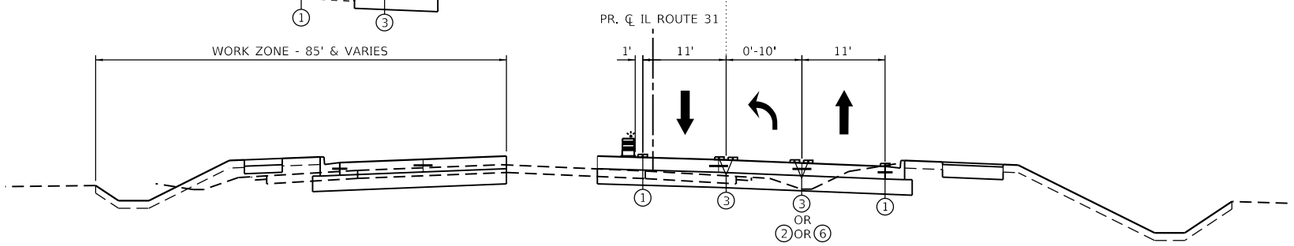
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	119
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



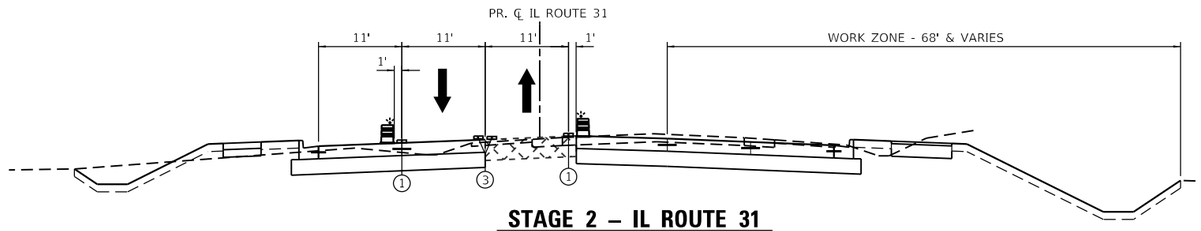
STAGE 2 – IL ROUTE 31
STA. 232+05.72 TO 246+73.28



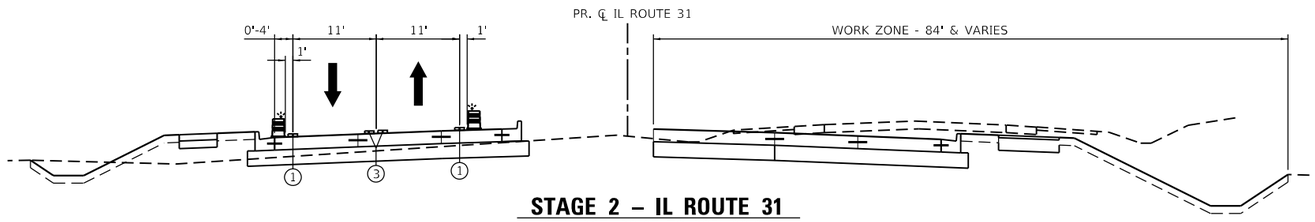
STA. 246+73.28 TO 247+76.43
STA. 253+07.77 TO 261+11.68



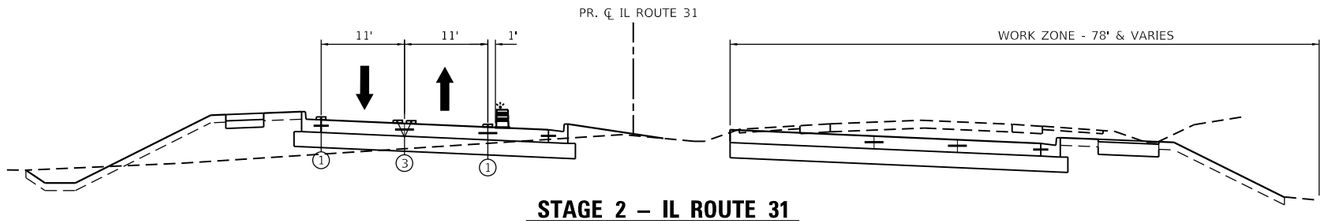
STAGE 2 – IL ROUTE 31
STA. 246+73.28 TO 261+11.68



STAGE 2 – IL ROUTE 31
STA. 261+11.68 TO 267+20.87



STAGE 2 – IL ROUTE 31
STA. 267+20.87 TO 295+00.00



STAGE 2 – IL ROUTE 31
STA. 295+00.00 TO 315+00.00

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a RJR company

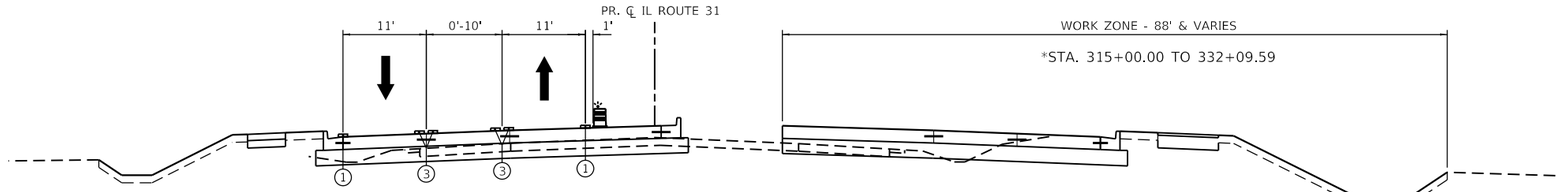
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

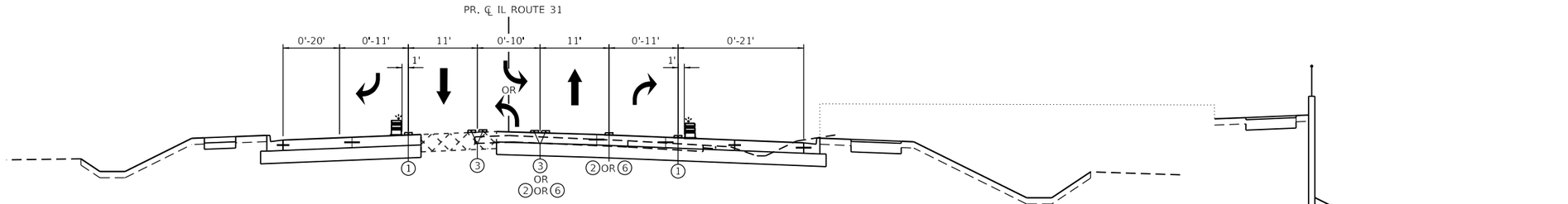
SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 17 OF 22 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	120
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

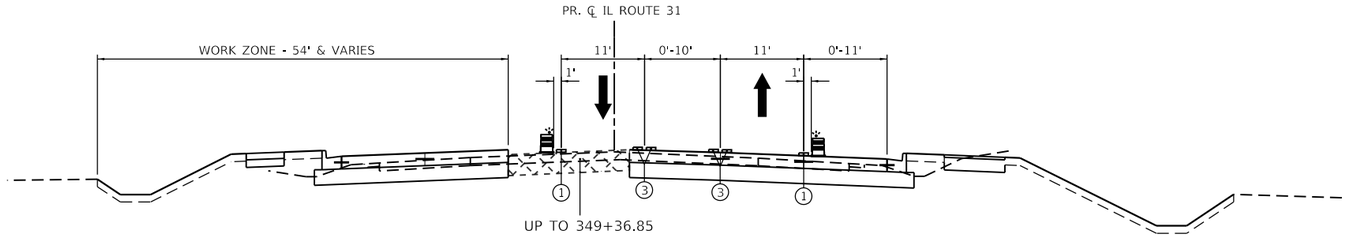


STAGE 2 – IL ROUTE 31
STA. 315+00.00 TO 335+18.52

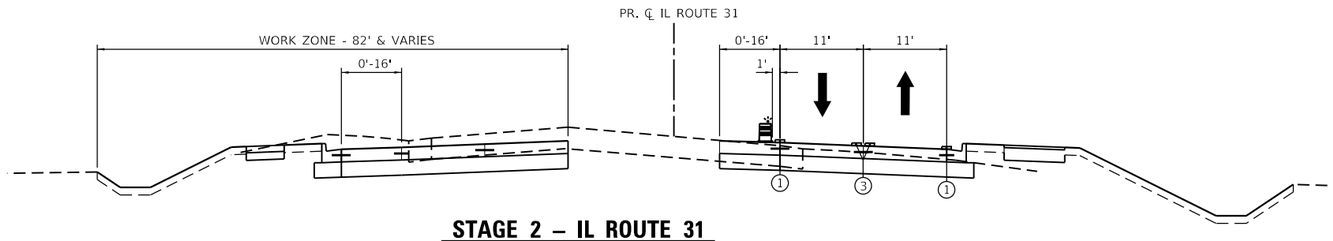


STAGE 2 – IL ROUTE 31
STA. 335+18.52 TO 346+69.77

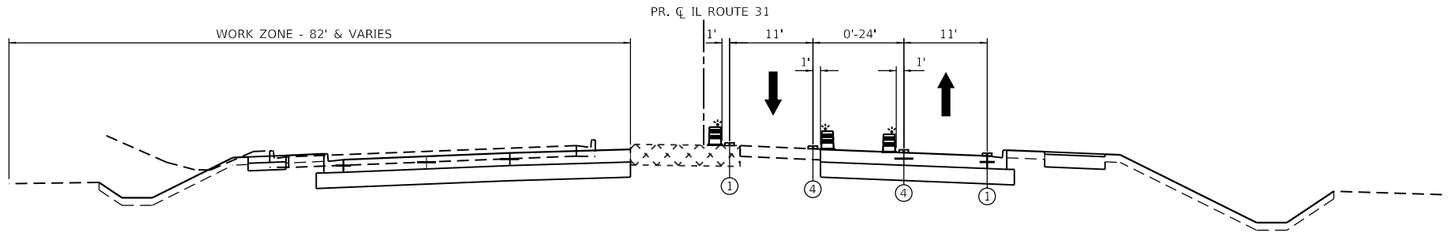
STA. 339+63.40 TO 341+47.00



STAGE 2 – IL ROUTE 31
STA. 346+69.77 TO 367+84.46



STAGE 2 – IL ROUTE 31
STA. 367+84.46 TO 377+51.04



STAGE 2 – IL ROUTE 31
STA. 377+51.04 TO 385+44.45

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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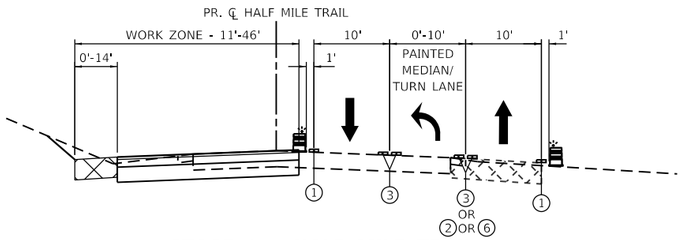
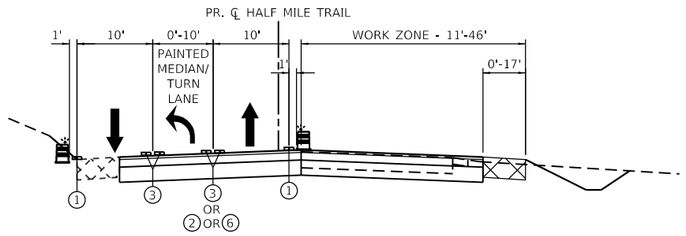
USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS	
	DRAWN - ACN	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -		SCALE: 1" = 20'	SHEET 18 OF 22 SHEETS STA. TO STA.
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	121
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



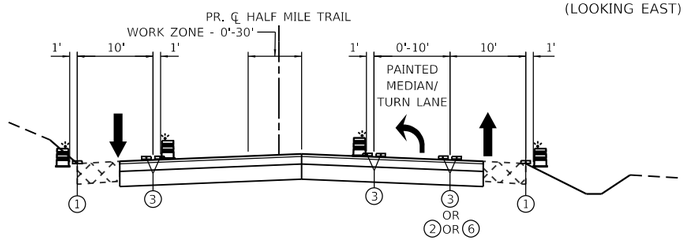
STAGE 2 – HALF MILE TRAIL

STA. 38+08.09 TO 49+48.73
(LOOKING EAST)



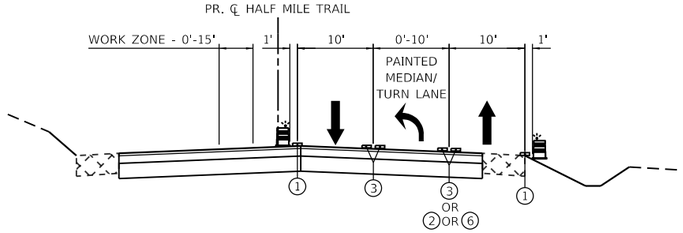
STAGE 2 (SUB–STAGE 2A) – HALF MILE TRAIL

STA. 38+08.09 TO 49+48.73
(LOOKING EAST)



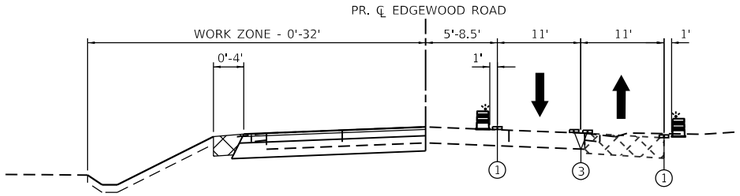
STAGE 2 (SUB–STAGE 2B) – HALF MILE TRAIL

STA. 38+08.09 TO 49+48.73
(LOOKING EAST)



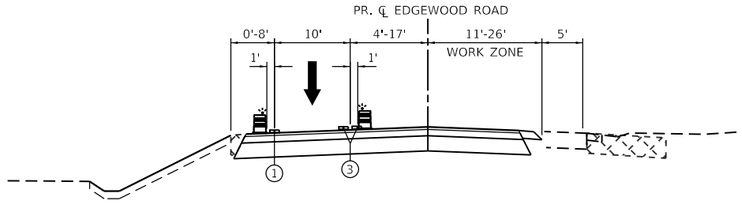
STAGE 2 (SUB–STAGE 2C) – HALF MILE TRAIL

STA. 38+08.09 TO 49+48.73
(LOOKING EAST)



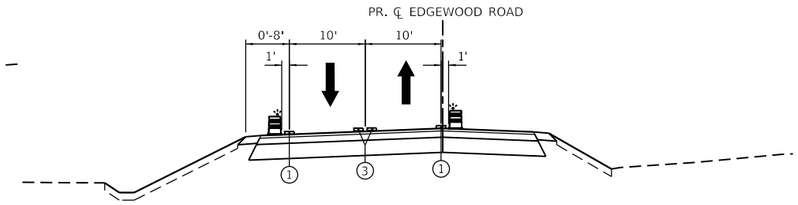
STAGE 2 – EDGEWOOD ROAD

STA. 03+95.68 TO 09+31.32
(LOOKING EAST)



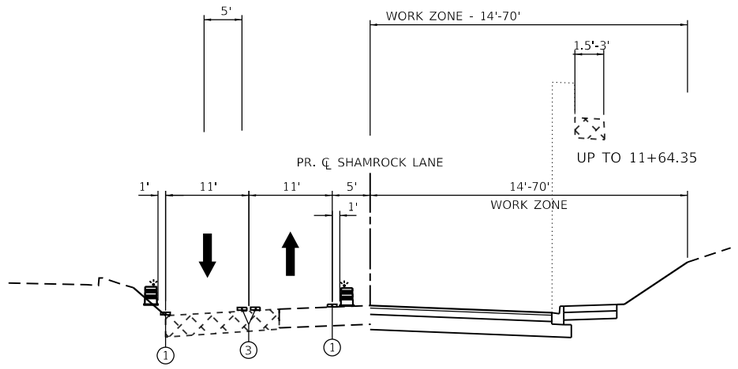
STAGE 2 (SUB–STAGE 2A) – EDGEWOOD ROAD

STA. 03+95.68 TO 09+31.32
(LOOKING EAST)



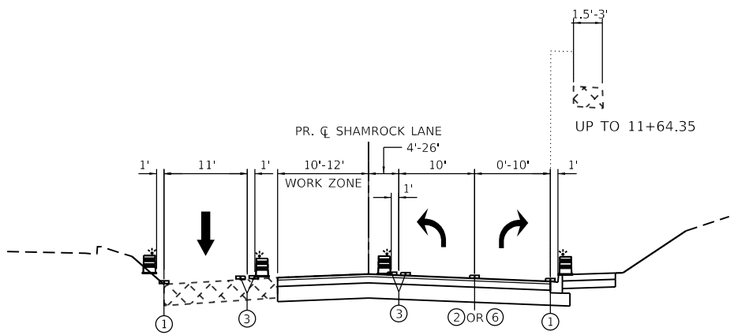
STAGE 2 (SUB–STAGE 2B) – EDGEWOOD ROAD

STA. 03+95.68 TO 09+31.32
(LOOKING EAST)



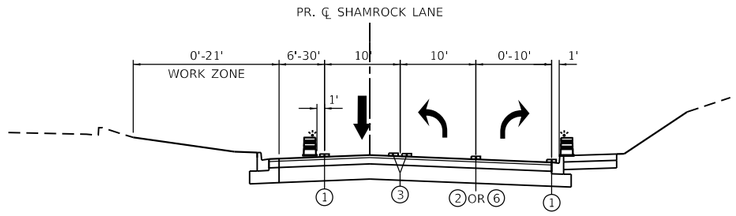
STAGE 2 – SHAMROCK LANE

STA. 10+25.00 TO 13+29.05
(LOOKING EAST)



STAGE 2 (SUB–STAGE 2A) – SHAMROCK LANE

STA. 10+25.00 TO 13+29.05
(LOOKING EAST)



STAGE 2 (SUB–STAGE 2B) – SHAMROCK LANE

STA. 10+25.00 TO 13+29.05
(LOOKING EAST)

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a Jacobs company

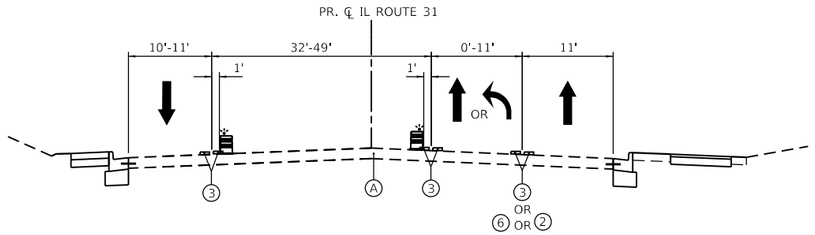
USER NAME = bwitort	DESIGNED - ACN	REVISED -
	DRAWN - ACN	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

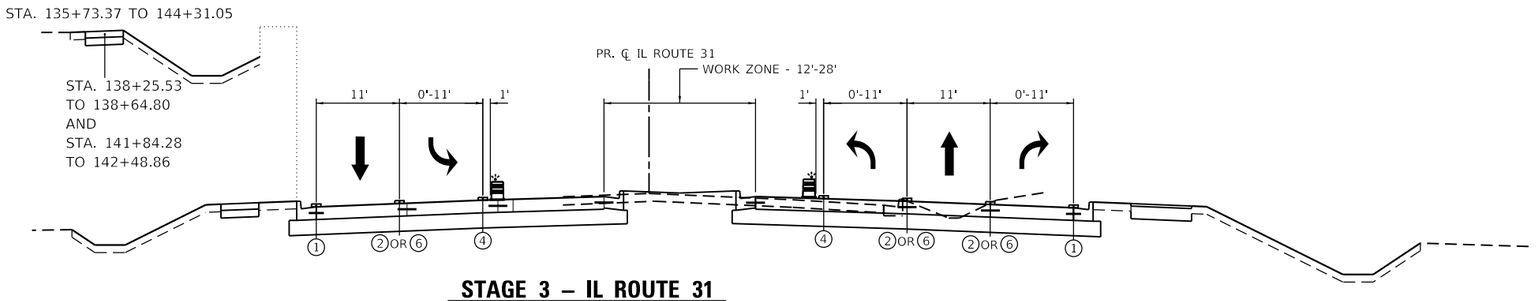
SCALE: 1" = 20' | SHEET 19 OF 22 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	122
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



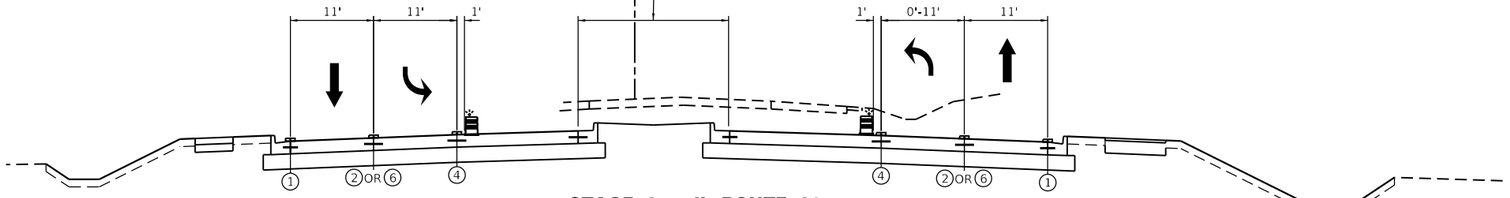
STAGE 3 – IL ROUTE 31

STA. 125+66.76 TO 138+38.22



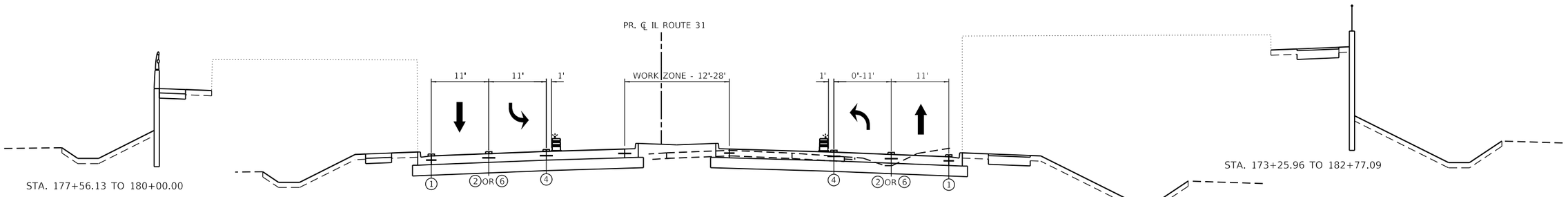
STAGE 3 – IL ROUTE 31

STA. 138+38.22 TO 160+50.04



STAGE 3 – IL ROUTE 31

STA. 160+50.04 TO 167+71.81



STAGE 3 – IL ROUTE 31

STA. 167+71.81 TO 185+89.83

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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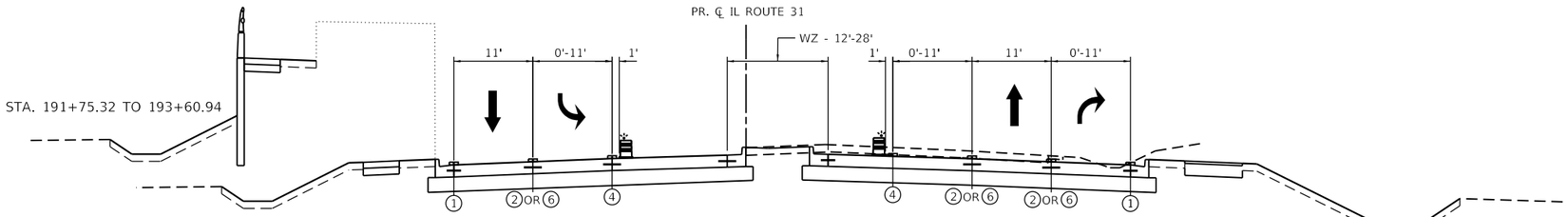
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

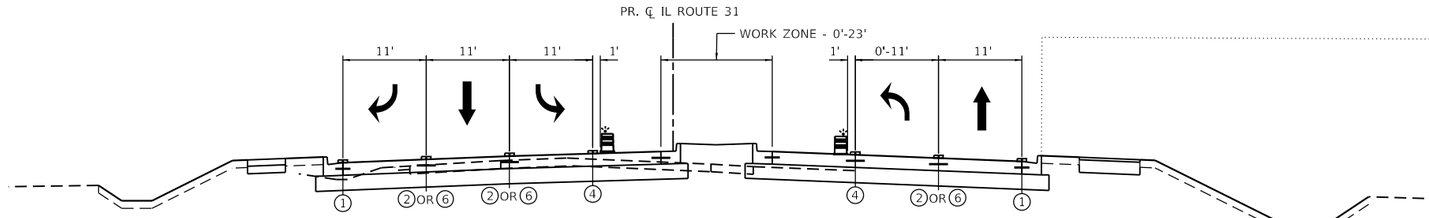
SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

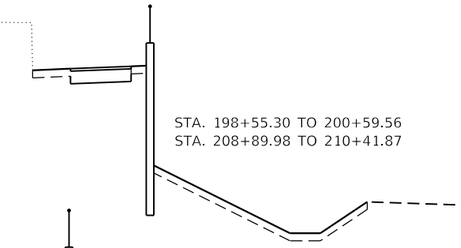
SCALE: 1" = 20' | SHEET 20 OF 22 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	123
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

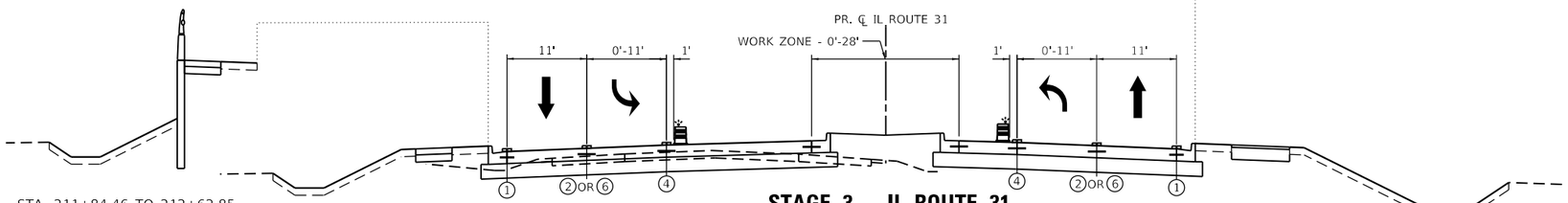


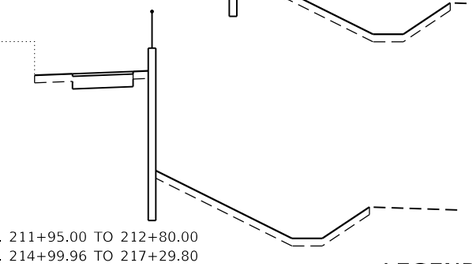
STAGE 3 – IL ROUTE 31
STA. 185+89.83 TO 196+00.00



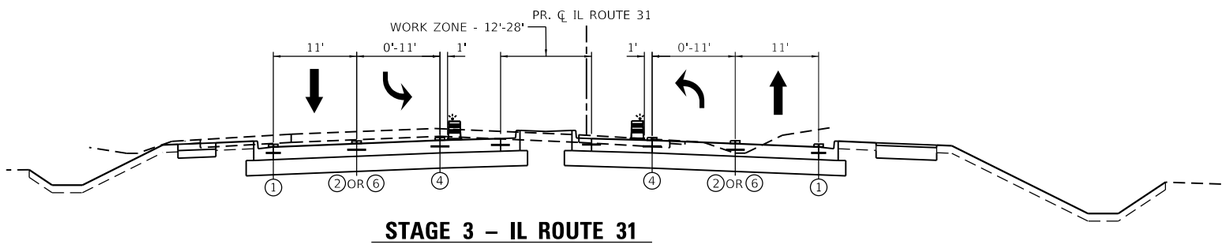


STAGE 3 – IL ROUTE 31
STA. 196+00.00 TO 211+20.50

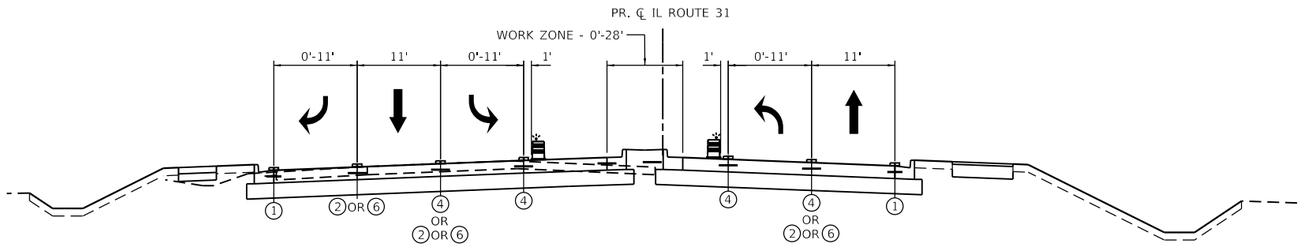




STAGE 3 – IL ROUTE 31
STA. 211+20.50 TO 232+05.72



STAGE 3 – IL ROUTE 31
STA. 232+05.72 TO 246+73.28



STAGE 3 – IL ROUTE 31
STA. 246+73.28 TO 267+20.87

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a RJR company

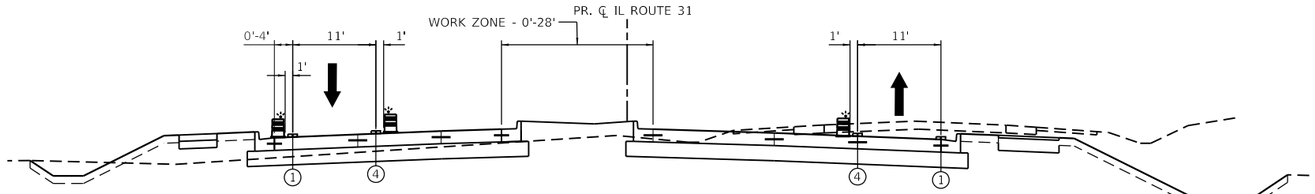
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

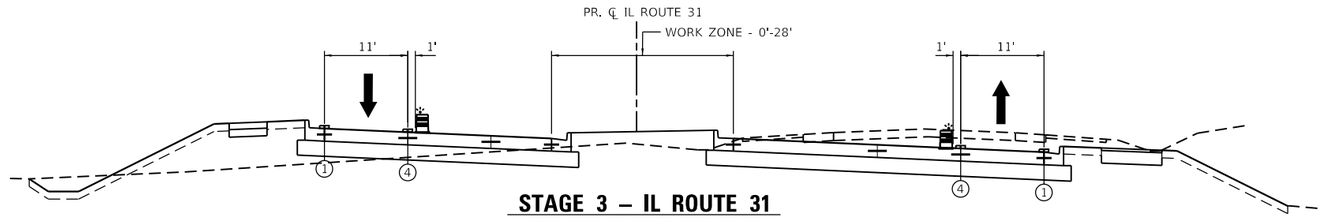
SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 21 OF 22 SHEETS | STA. TO STA.

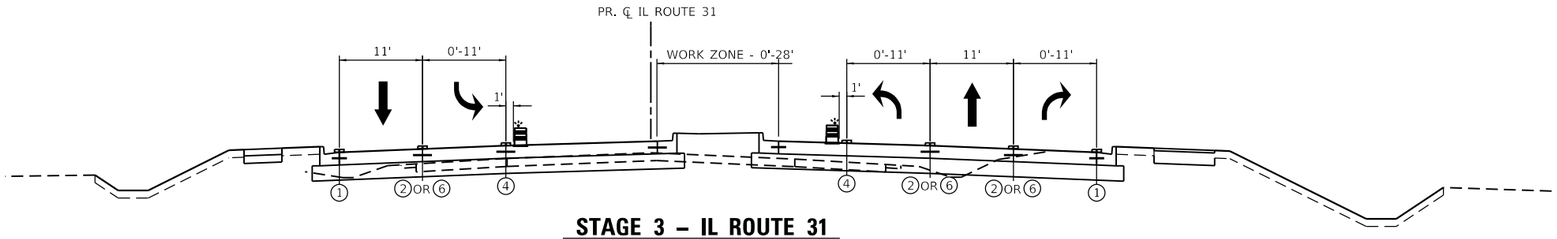
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	124
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



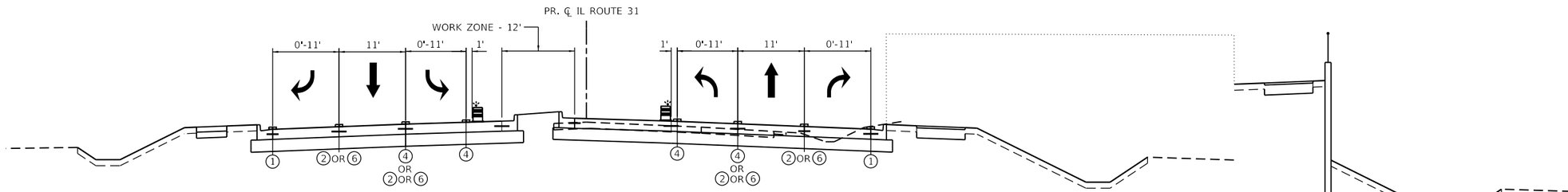
STAGE 3 – IL ROUTE 31
STA. 267+20.87 TO 295+00.00



STAGE 3 – IL ROUTE 31
STA. 295+00.00 TO 315+00.00

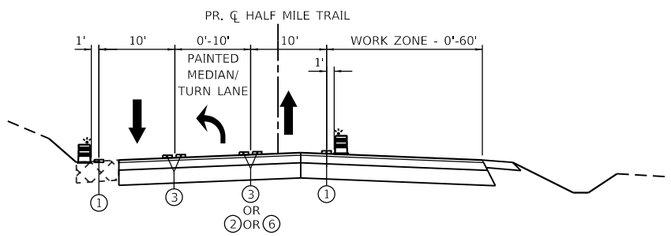


STAGE 3 – IL ROUTE 31
STA. 315+00.00 TO 332+09.59

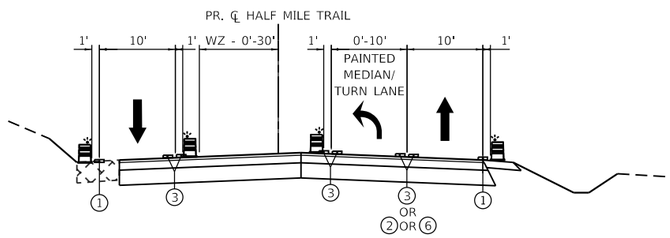


STAGE 3 – IL ROUTE 31
STA. 332+09.59 TO 385+44.45

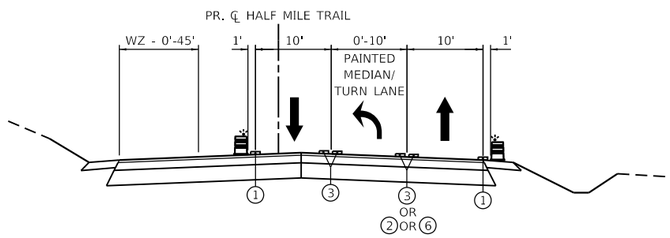
STA. 339+63.40 TO 341+47.00



STAGE 3 – HALF MILE TRAIL
STA. 38+08.09 TO 49+48.73
(LOOKING EAST)



STAGE 3 (SUB–STAGE 3A) – HALF MILE TRAIL
STA. 38+08.09 TO 49+48.73
(LOOKING EAST)



STAGE 3 (SUB–STAGE 3B) – HALF MILE TRAIL
STA. 38+08.09 TO 49+48.73
(LOOKING EAST)

LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- DRUMS WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
- (A) EXISTING HMA OR PCC PAVEMENT
- (B) EXISTING HMA OR AGGREGATE SHOULDER
- (1) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID WHITE
- (2) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID DOUBLE YELLOW @11" C-C
- (4) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING, LINE 4", TYPE IV TAPE, 30' SKIP, 10' DASH, WHITE
- (6) TEMPORARY PAVEMENT MARKING, LINE 6", TYPE IV TAPE, 6' SKIP, 2' DASH, WHITE

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PATRICK a RJN company

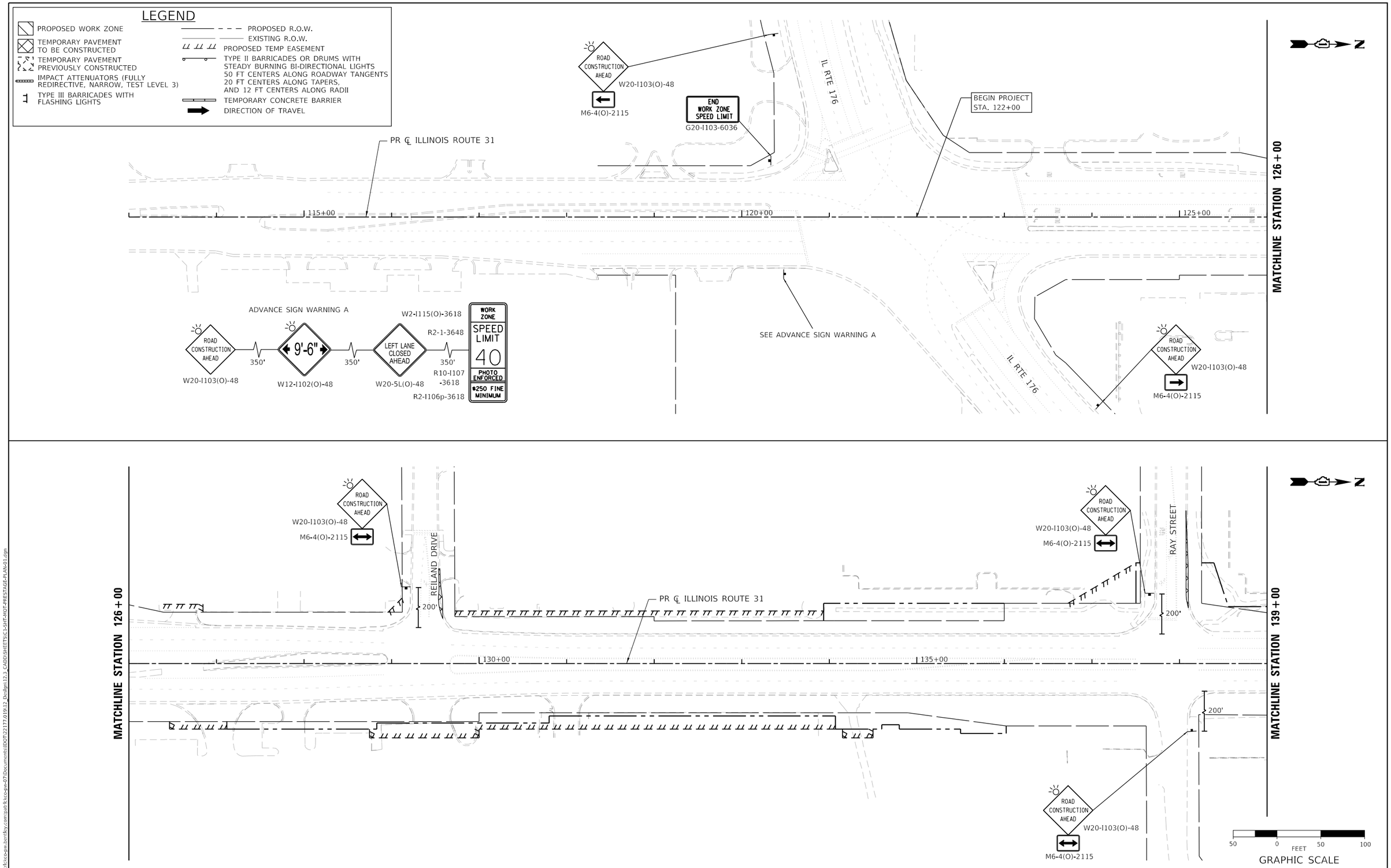
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET 22 OF 22 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2019-196-W&R	McHENRY	835	125
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PATRICK a RSR company

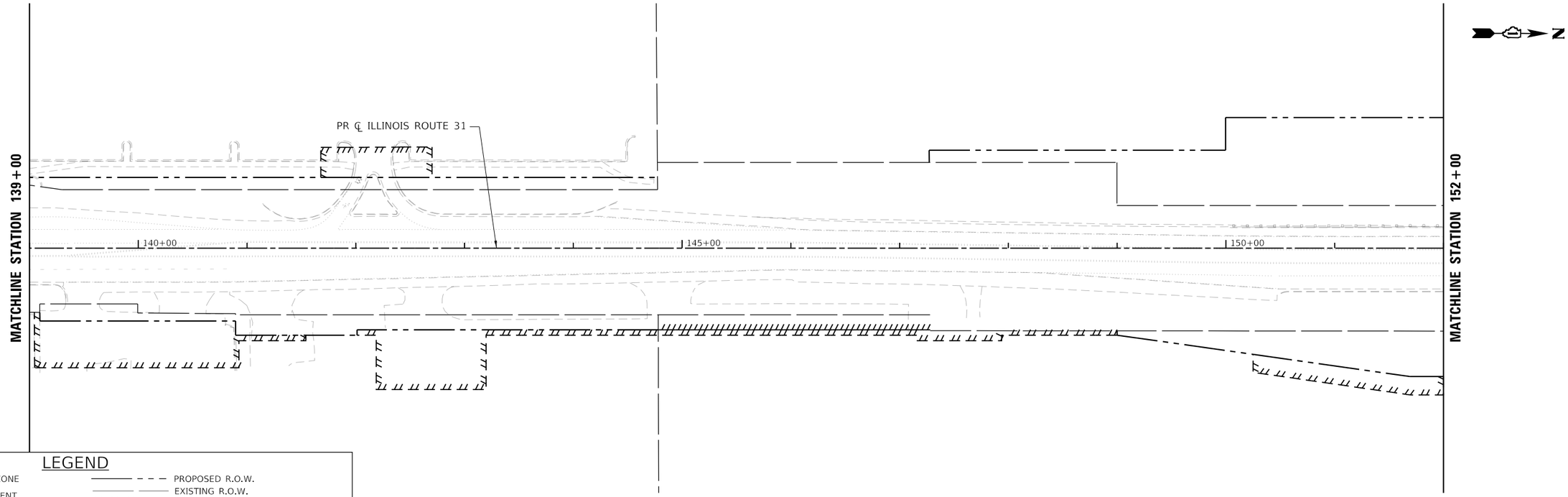
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

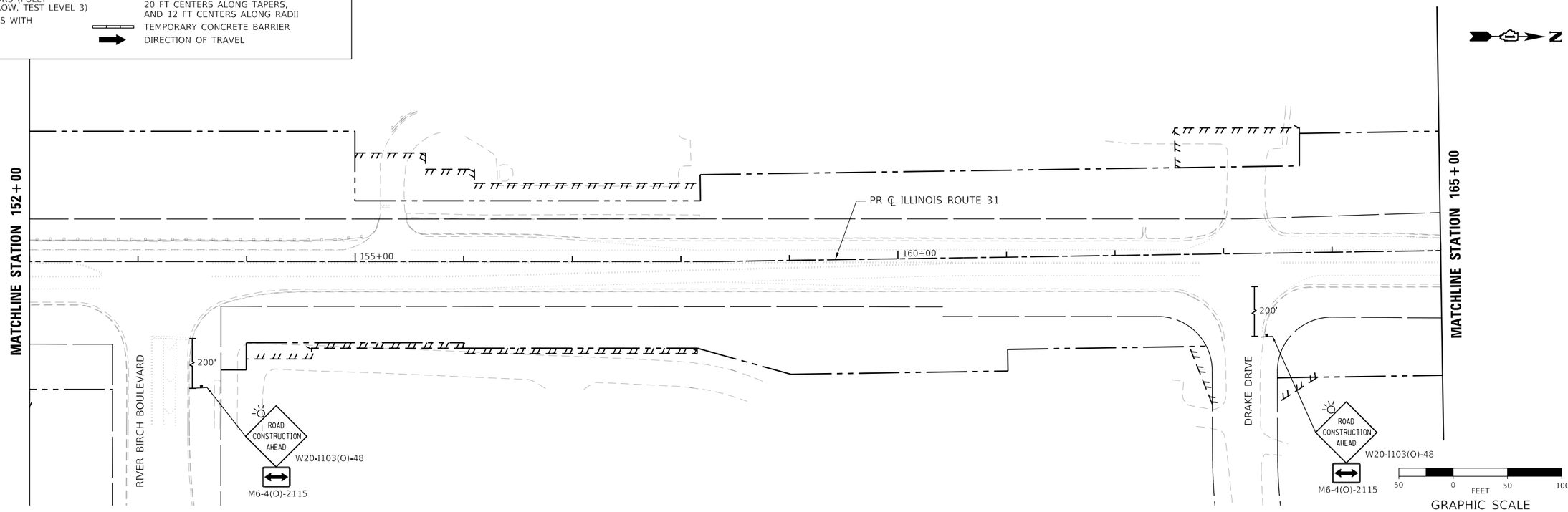
SCALE: 1"=50' | SHEET 1 OF 11 SHEETS | STA. 120+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	126
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a Jacobs company

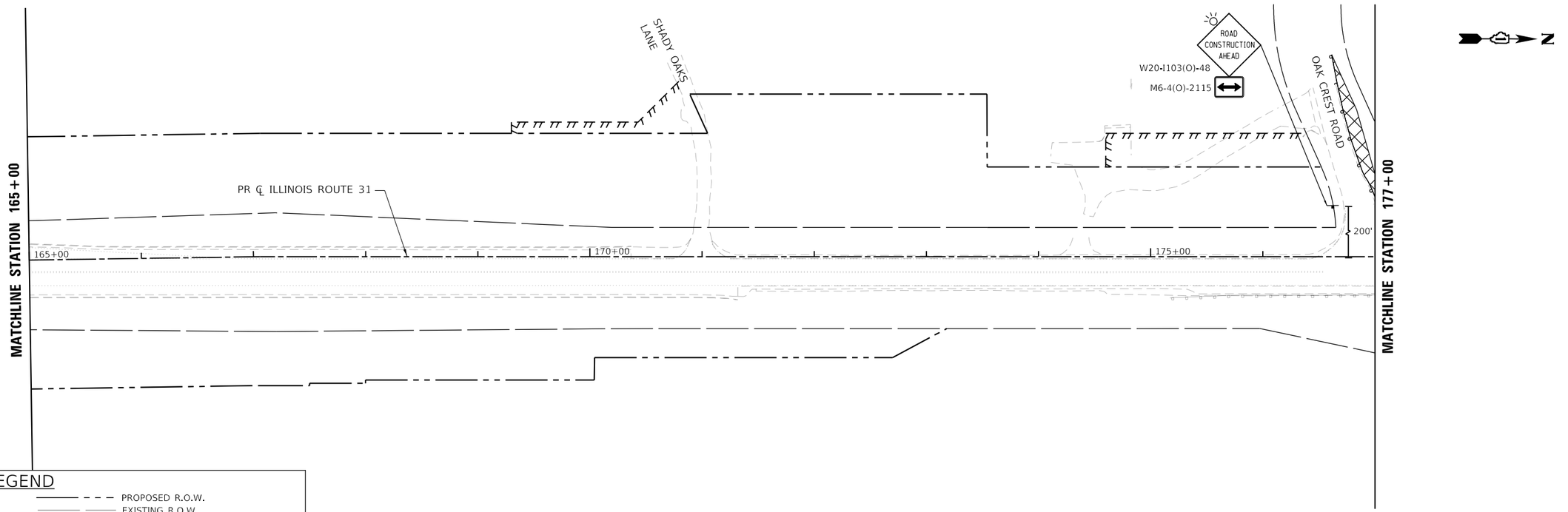
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

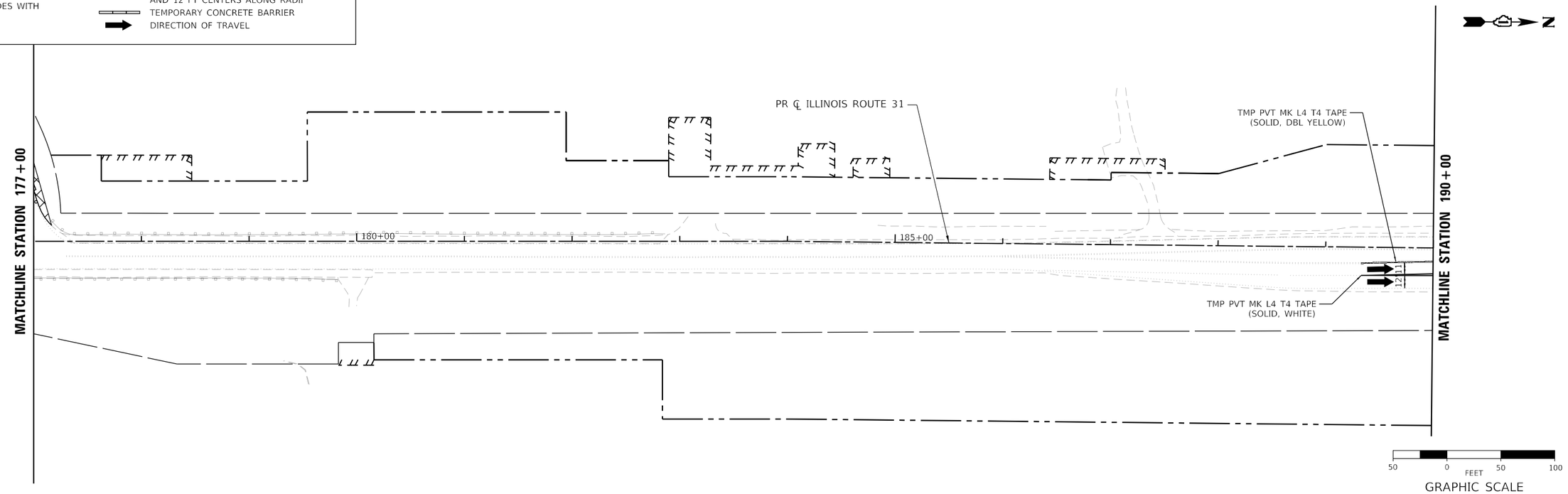
SCALE: 1"=50' | SHEET 2 OF 11 SHEETS | STA. 139+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	127
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 11 SHEETS | STA. 165+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	128
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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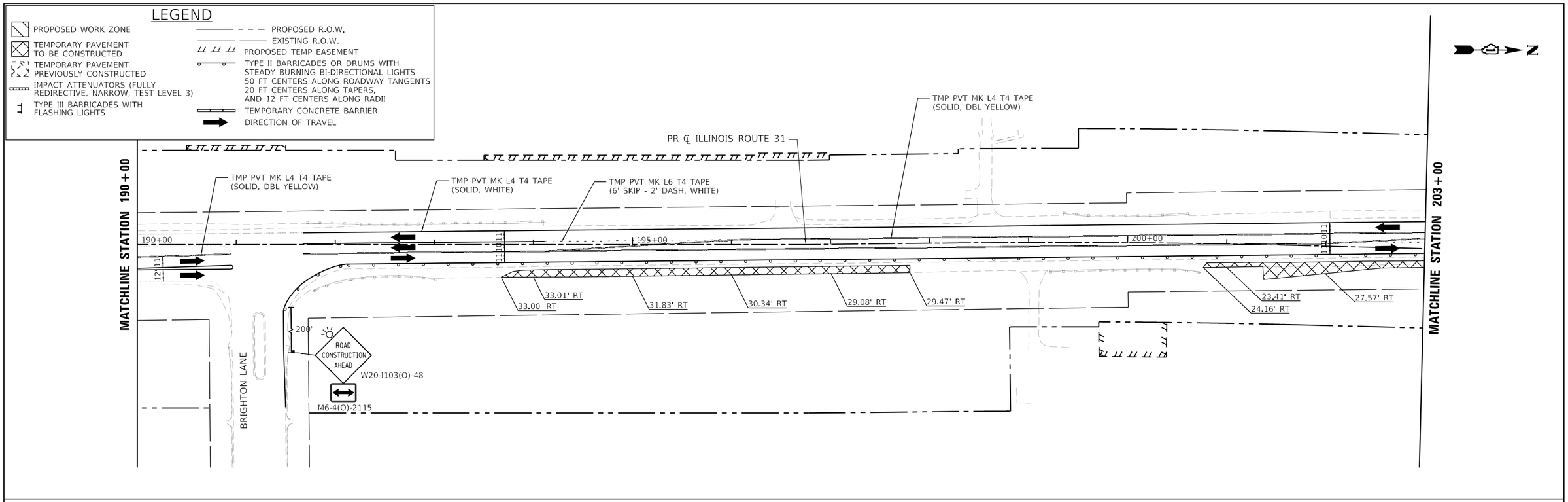

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USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 11 SHEETS | STA. 190+00 TO STA. 216+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	129
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STATION 216+00

PR ℄ ILLINOIS ROUTE 31

220+00

225+00

MATCHLINE STATION 229+00

N

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

MATCHLINE STATION 229+00

PR ℄ ILLINOIS ROUTE 31

230+00

235+00

240+00

200'

ROAD CONSTRUCTION AHEAD

W20-I103(O)-48

M6-4(O)-2115

AMES ROAD

MATCHLINE STATION 242+00

N

50 0 50 100

FEET

GRAPHIC SCALE

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PATRICK a Jacobs company

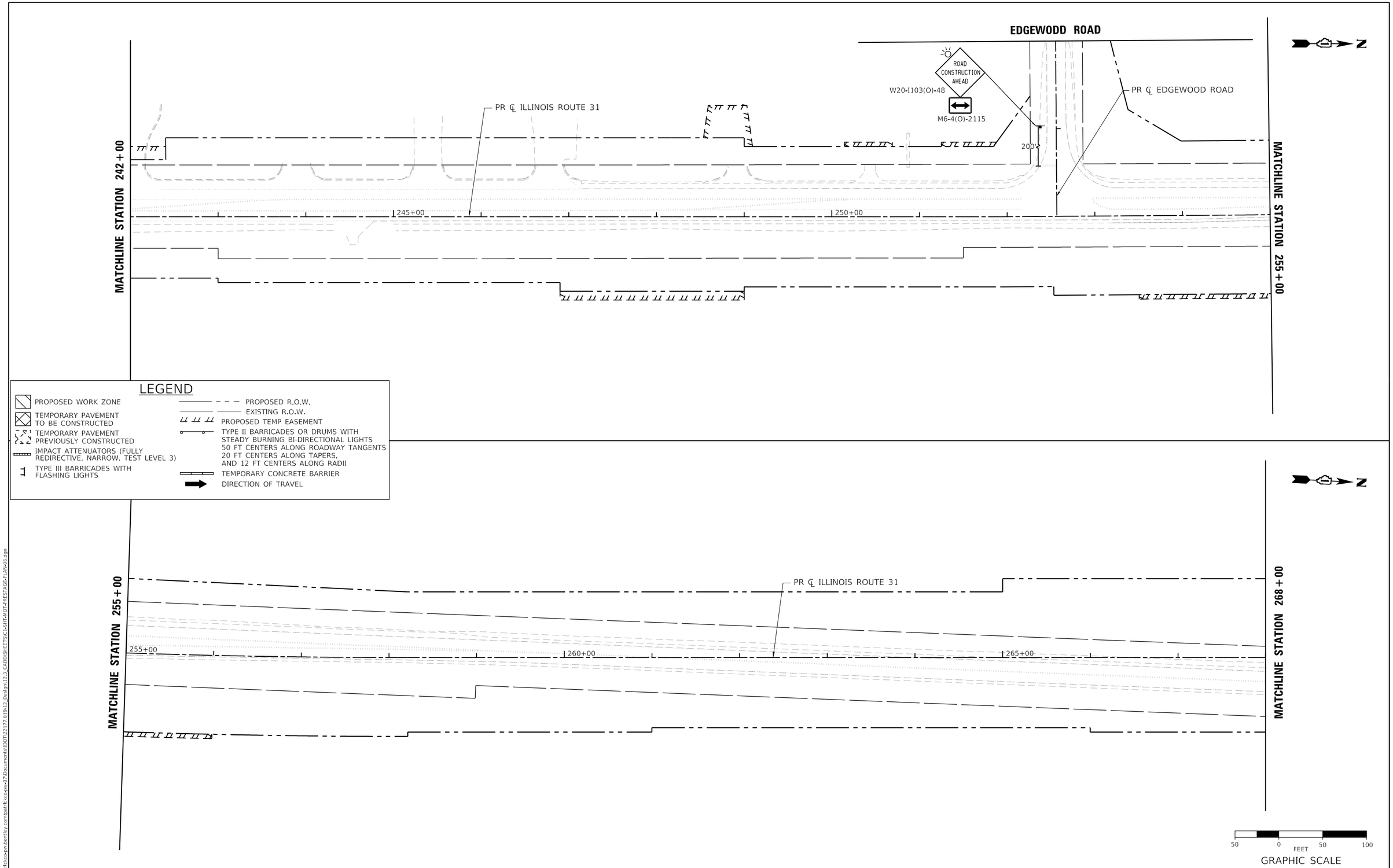
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 11 SHEETS | STA. 216+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	130
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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PATRICK a RJR company

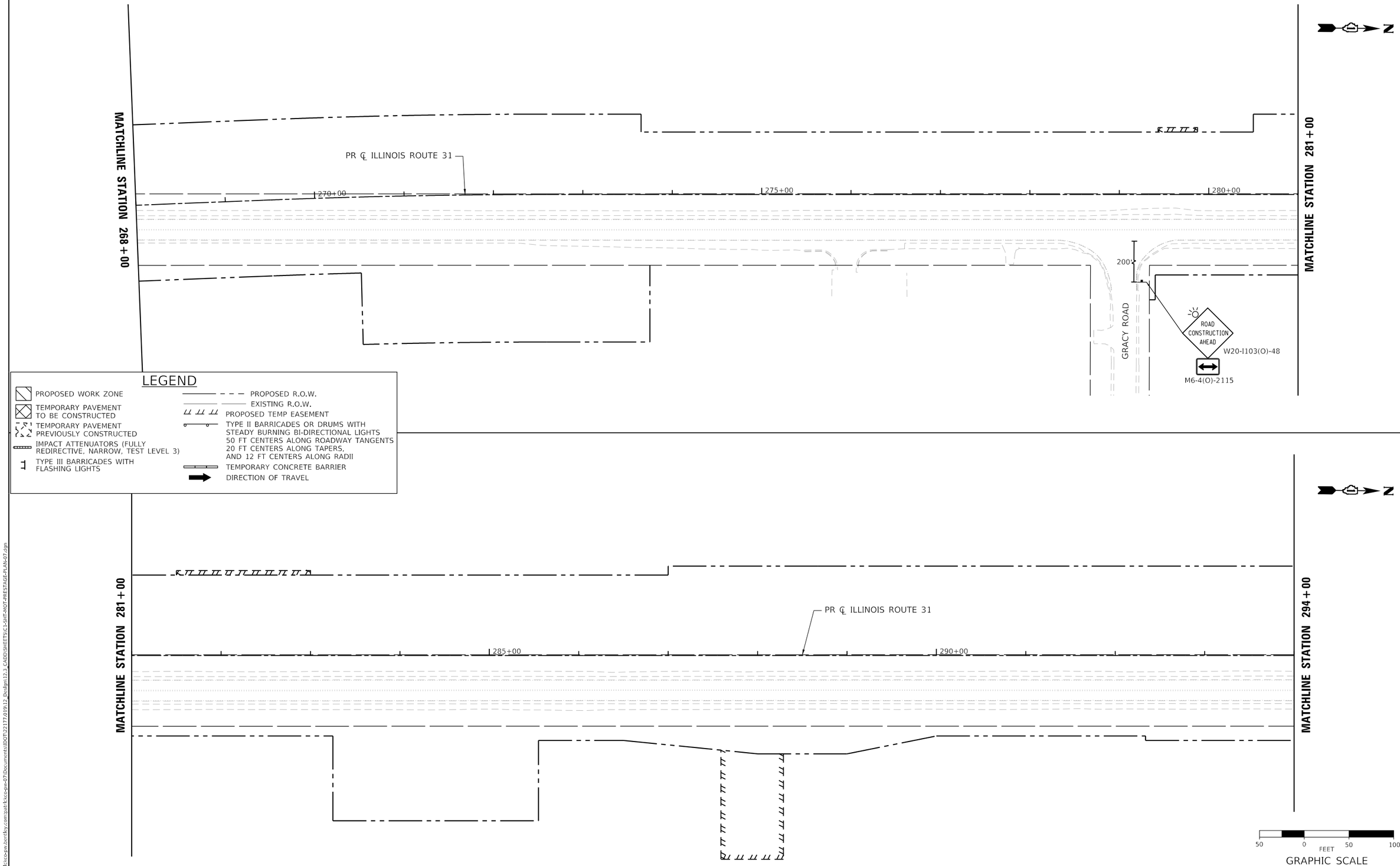
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 11 SHEETS | STA. 242+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	131
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PATRICK a RJN company

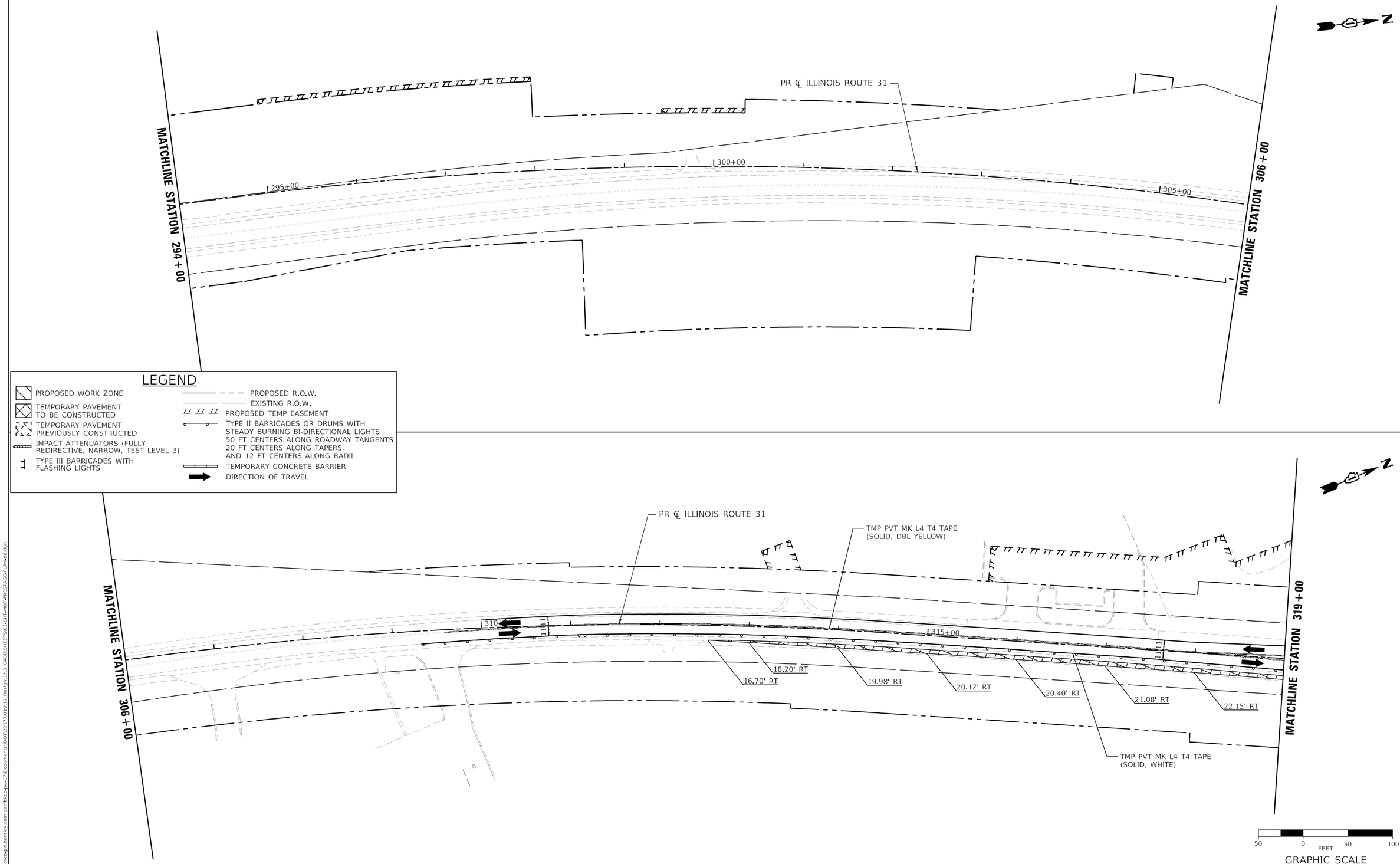
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 11 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	132
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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PATRICK a Jacobs company

USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 11 SHEETS | STA. 294+00 TO STA. 319+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	133
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

MATCHLINE STATION 319+00

PR ℄ ILLINOIS ROUTE 31

TMP PVT MK L4 T4 TAPE (SOLID, DBL YELLOW)

TMP PVT MK L6 T4 TAPE (6' SKIP - 2' DASH, WHITE)

TMP PVT MK L4 T4 TAPE (SOLID, DBL YELLOW)

TMP PVT MK L6 T4 TAPE (6' SKIP - 2' DASH, WHITE)

ROAD CONSTRUCTION AHEAD
W20-I103(O)-48
M6-4(O)-2115

HIPOINT ROAD

200'

320+00

325+00

330+00

23.62' RT
25.48' RT
28.57' RT
27.75' RT

TMP PVT MK L4 T4 TAPE (SOLID, WHITE)

TMP PVT MK L6 T4 TAPE (6' SKIP - 2' DASH, WHITE)

VETERANS PARKWAY

200'

ROAD CONSTRUCTION AHEAD
W20-I103(O)-48
M6-4(O)-2115

30.90' RT
30.99' RT
30.63' RT
30.27' RT
29.90' RT
29.54' RT
29.18' RT
28.82' RT

TMP PVT MK L4 T4 TAPE (SOLID, WHITE)

MATCHLINE STATION 333+00

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

MATCHLINE STATION 333+00

PR ℄ ILLINOIS ROUTE 31

ROAD CONSTRUCTION AHEAD
W20-I103(O)-48
M6-4(O)-2115

PRIME PARKWAY

PR ℄ PRIME PARKWAY

200'

335+00

340+00

345+00

28.46' RT
28.10' RT
27.73' RT
27.37' RT
30.75' RT
36.00' RT
36.00' RT
36.00' RT
36.00' RT

TMP PVT MK L4 T4 TAPE (SOLID, WHITE)

TMP PVT MK L4 T4 TAPE (SOLID, DBL YELLOW)

10+00

200'

19.86' RT

PR ℄ ALBANY STREET

ALBANY STREET

ROAD CONSTRUCTION AHEAD
W20-I103(O)-48
M6-4(O)-2115

MATCHLINE STATION 346+00

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GRAPHIC SCALE

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PATRICK a Rijft company

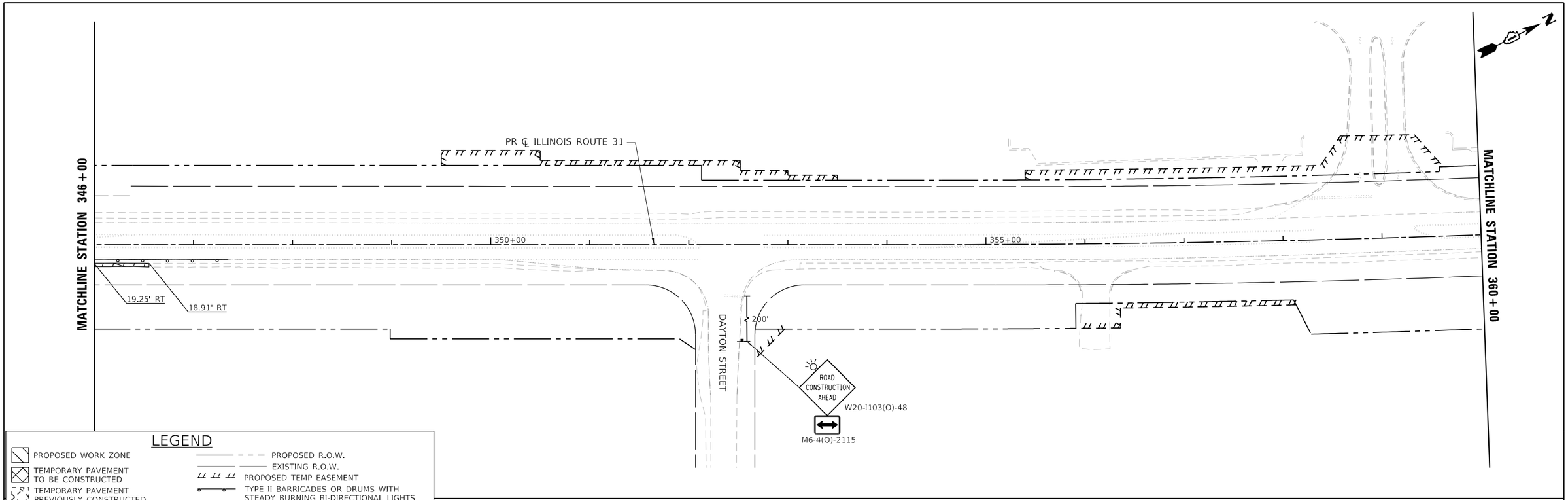
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 11 SHEETS | STA. 319+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	134
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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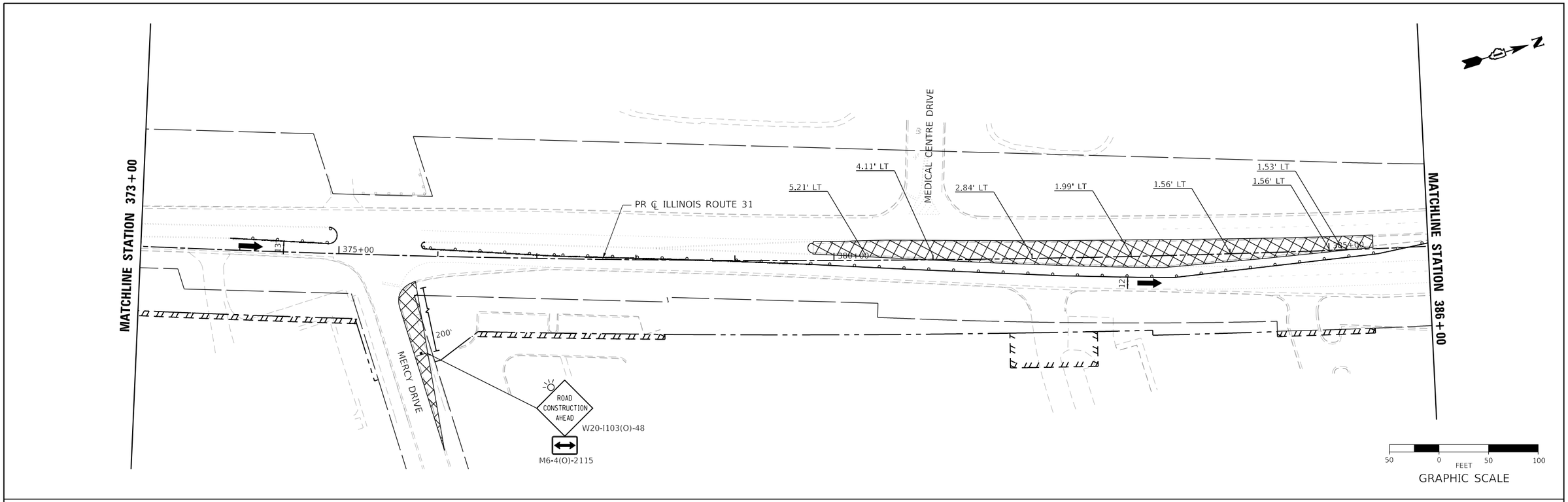
PATRICK a RSR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -
		DRAWN - ACN	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

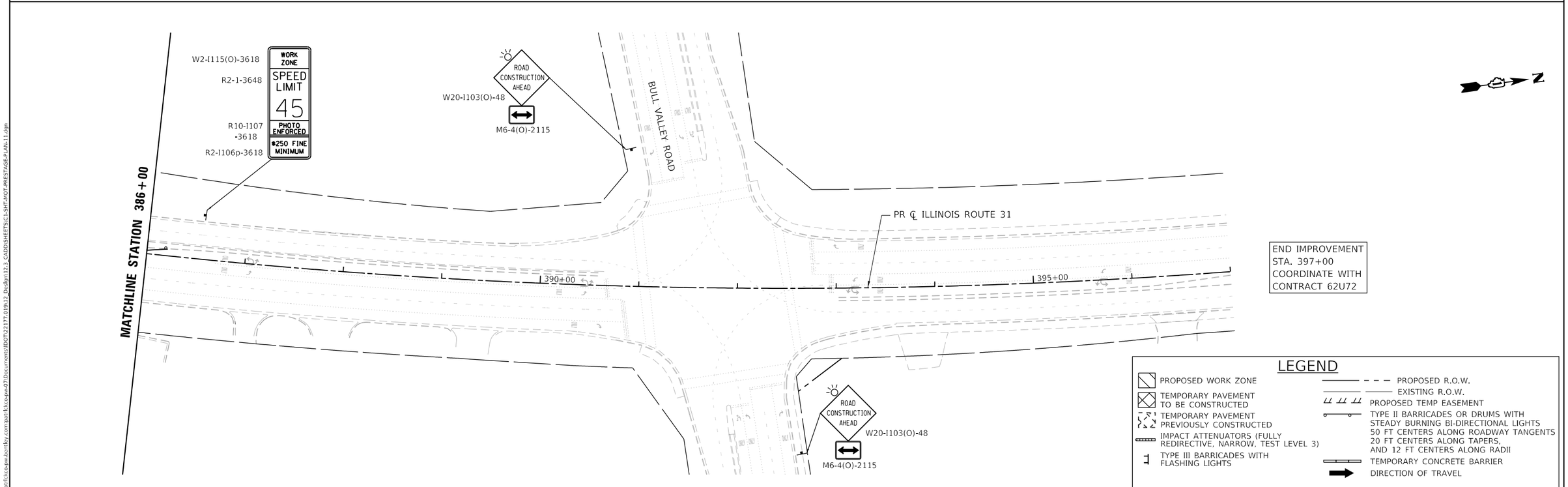
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 11 SHEETS | STA. 346+00 TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	135
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

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PATRICK a RAM company

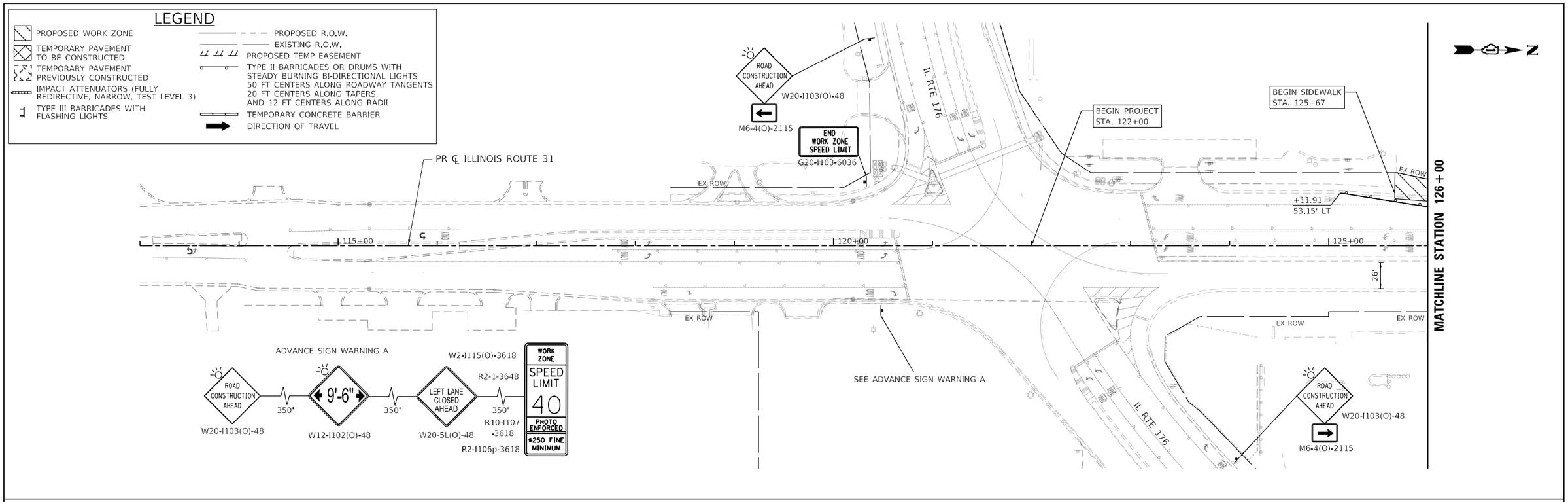
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PRESTAGE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 11 SHEETS | STA. 373+00 TO STA. 397+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	136
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PATRICK a RSR company

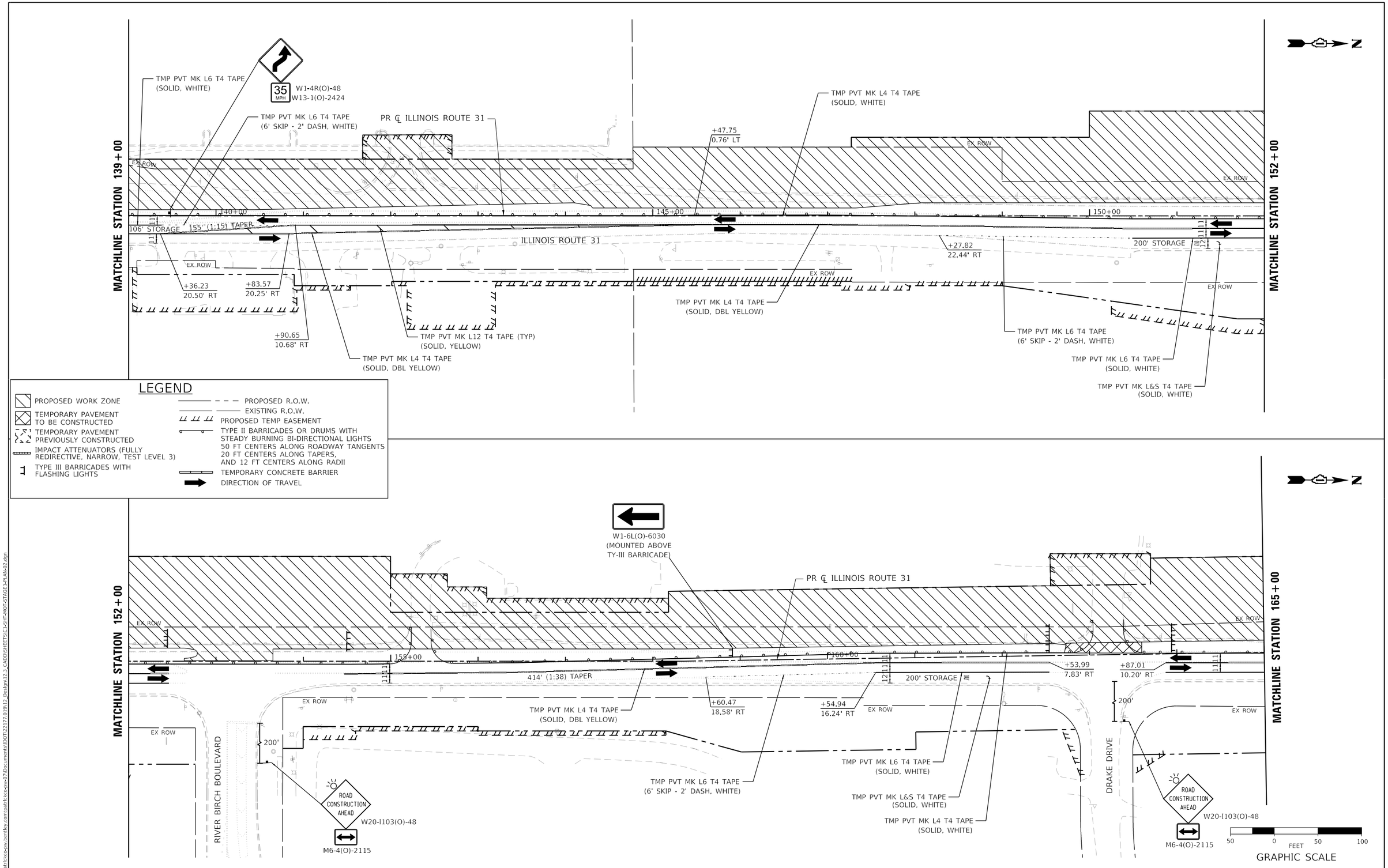
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 11 SHEETS | STA. 120+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	137
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PATRICK a RIVER company

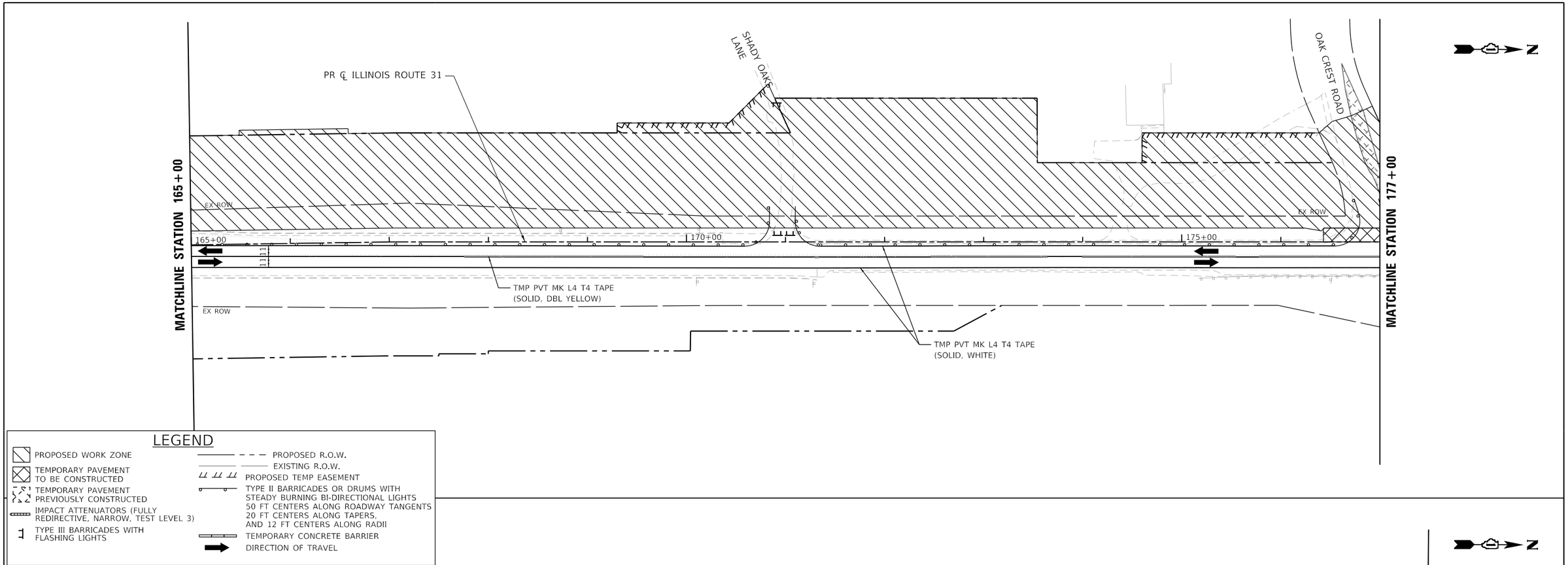
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

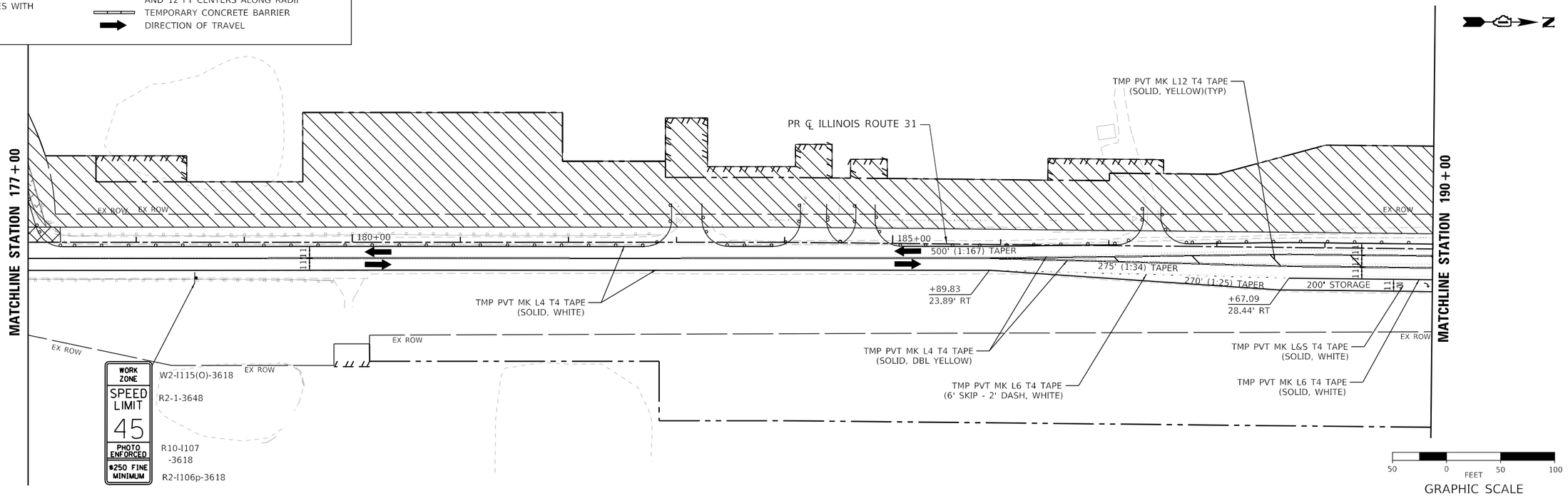
SCALE: 1"=50' | SHEET 2 OF 11 SHEETS | STA. 139+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	138
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a RSR company

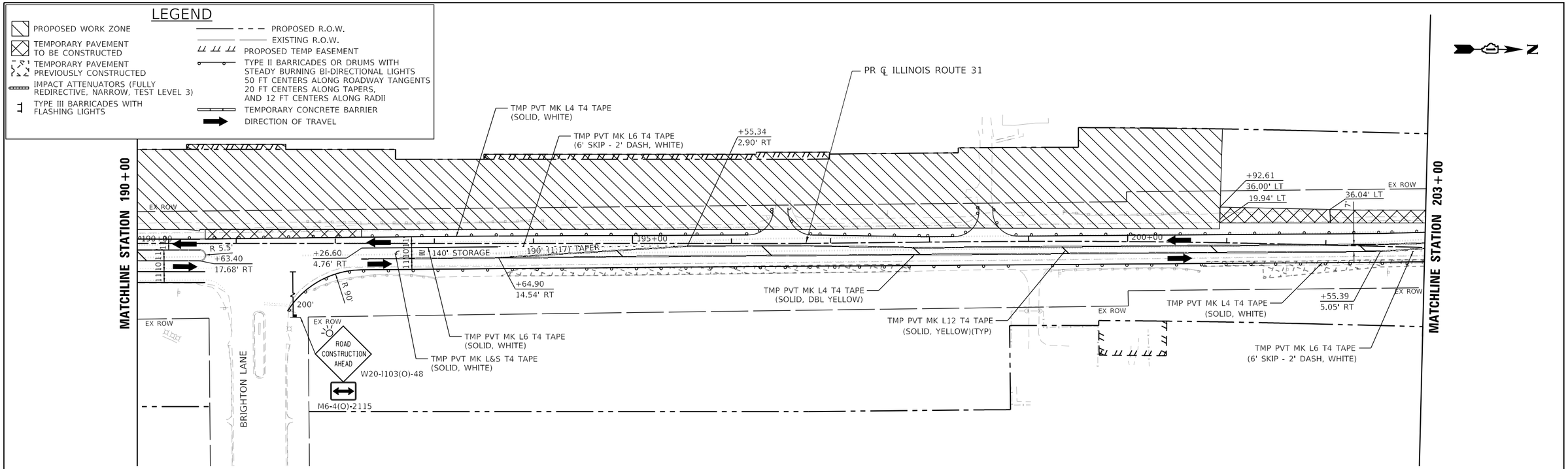
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 11 SHEETS | STA. 165+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	139
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

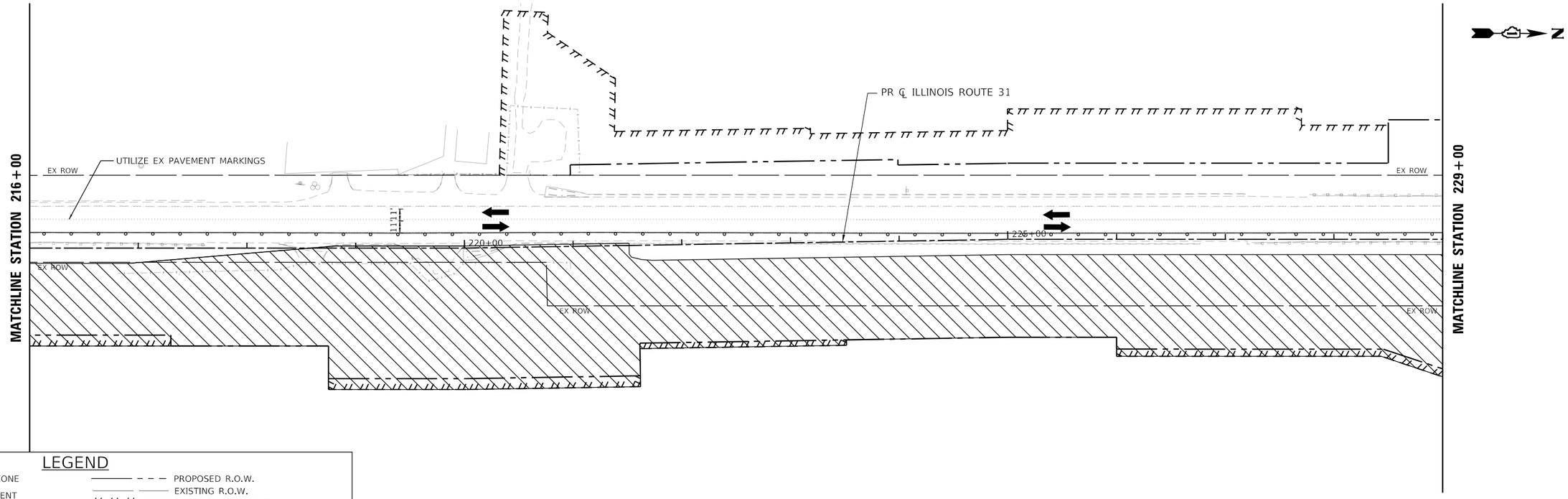
PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

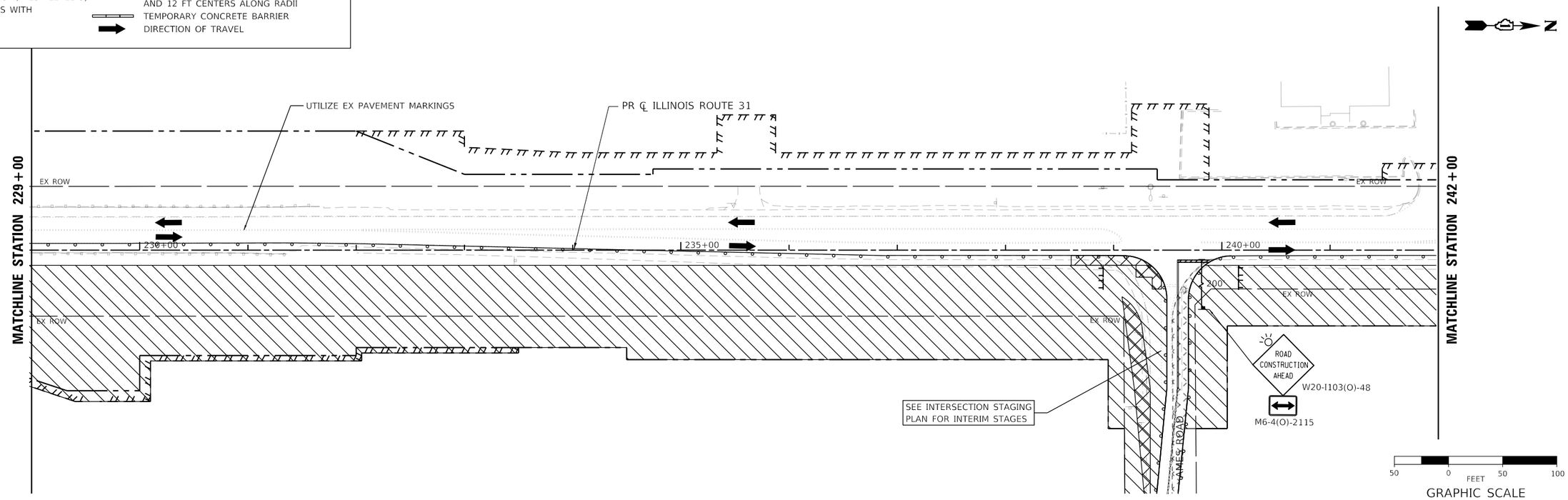
SCALE: 1"=50' | SHEET 4 OF 11 SHEETS | STA. 190+00 TO STA. 216+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	140
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a RSR company

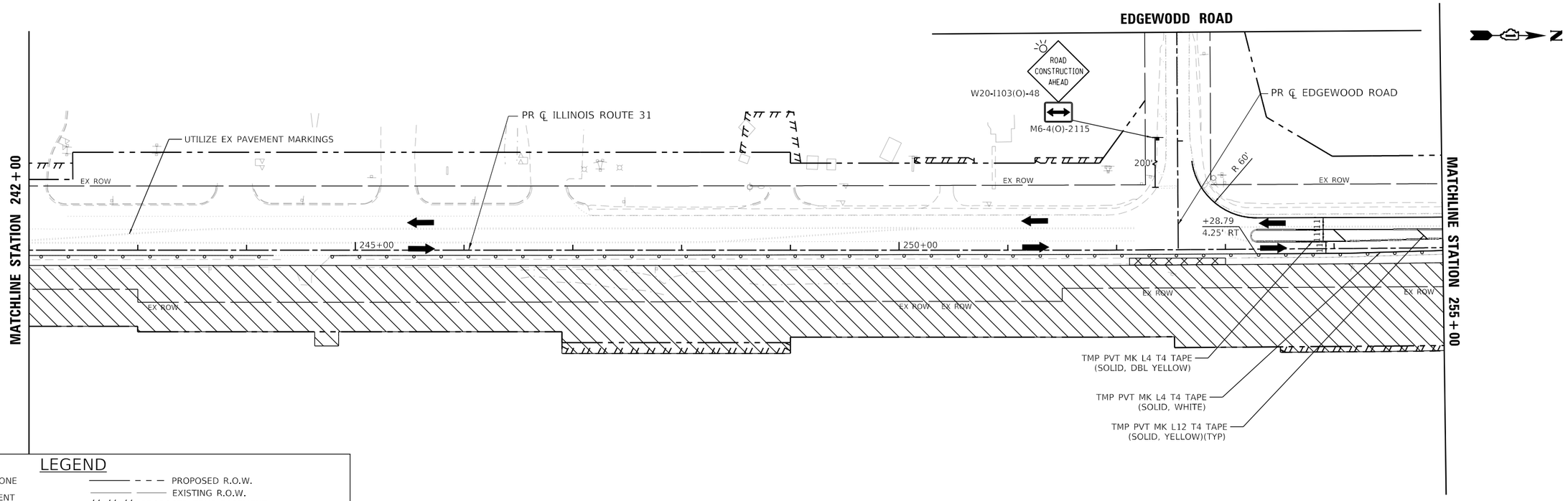
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

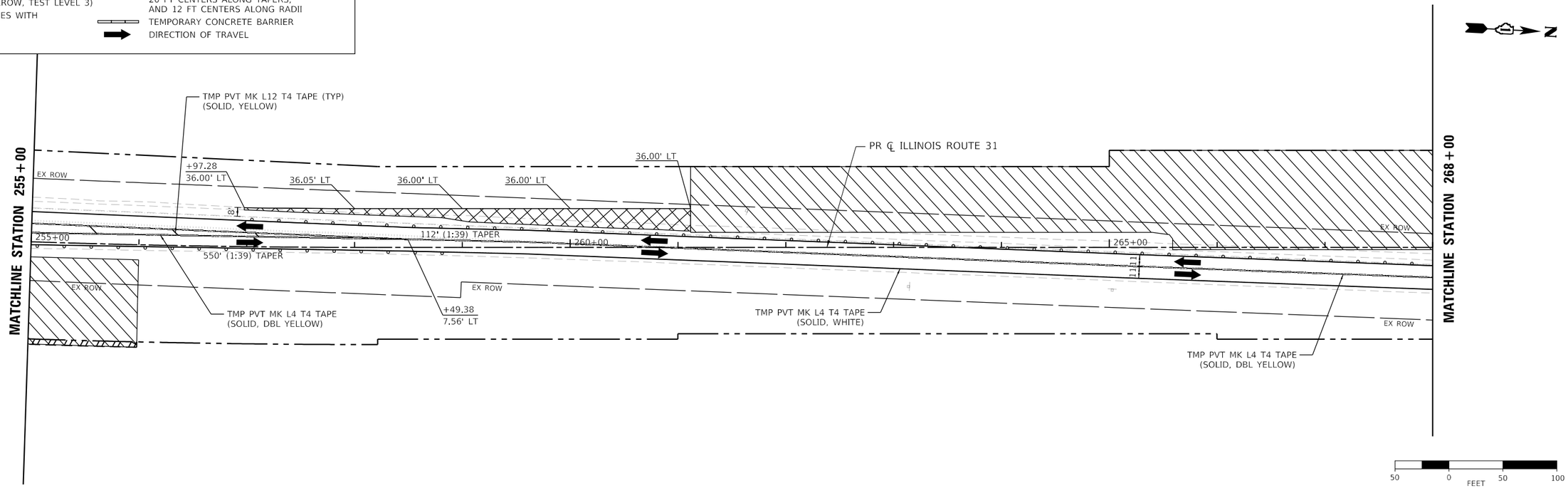
SCALE: 1"=50' | SHEET 5 OF 11 SHEETS | STA. 216+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	141
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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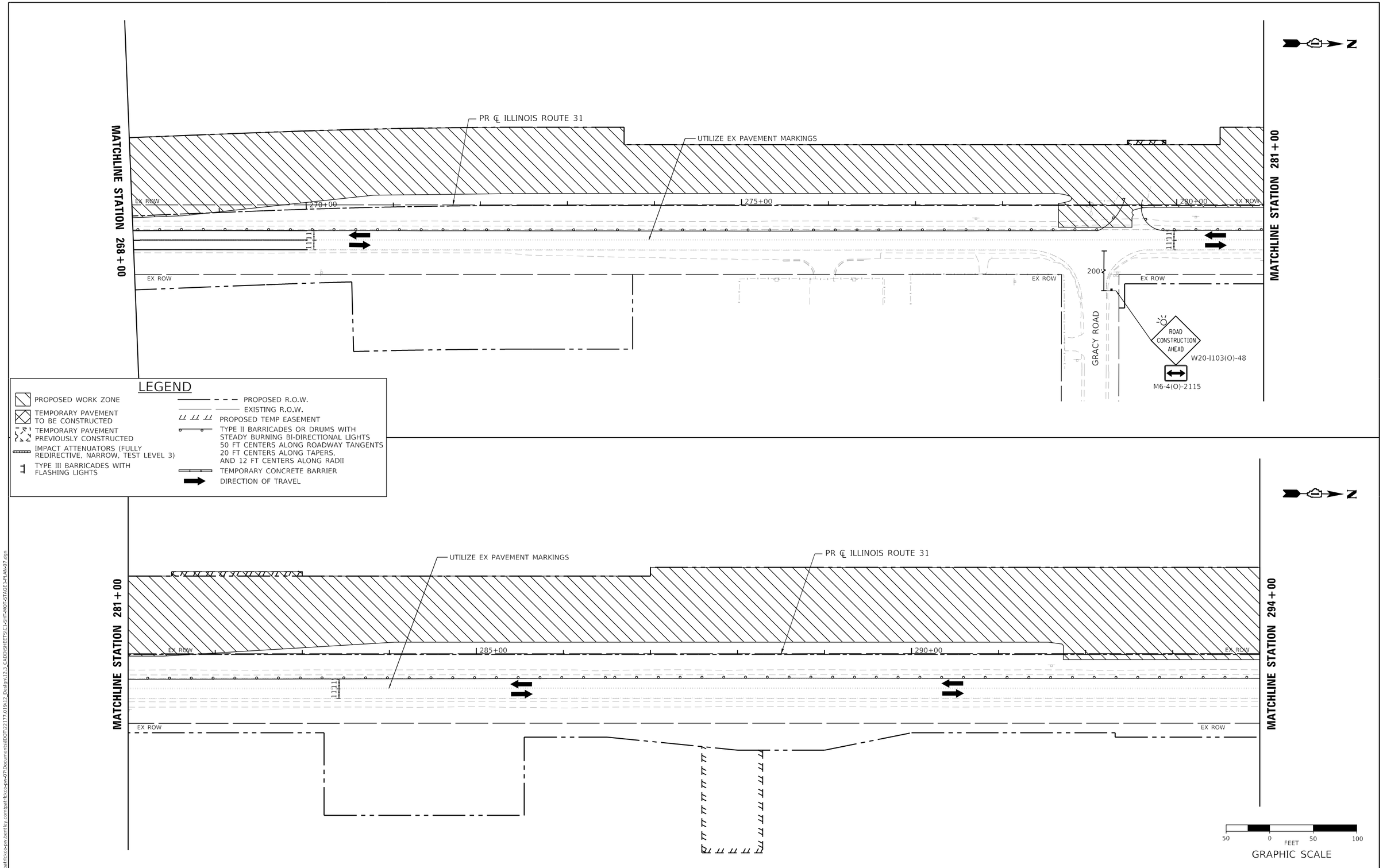
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 11 SHEETS | STA. 242+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	142
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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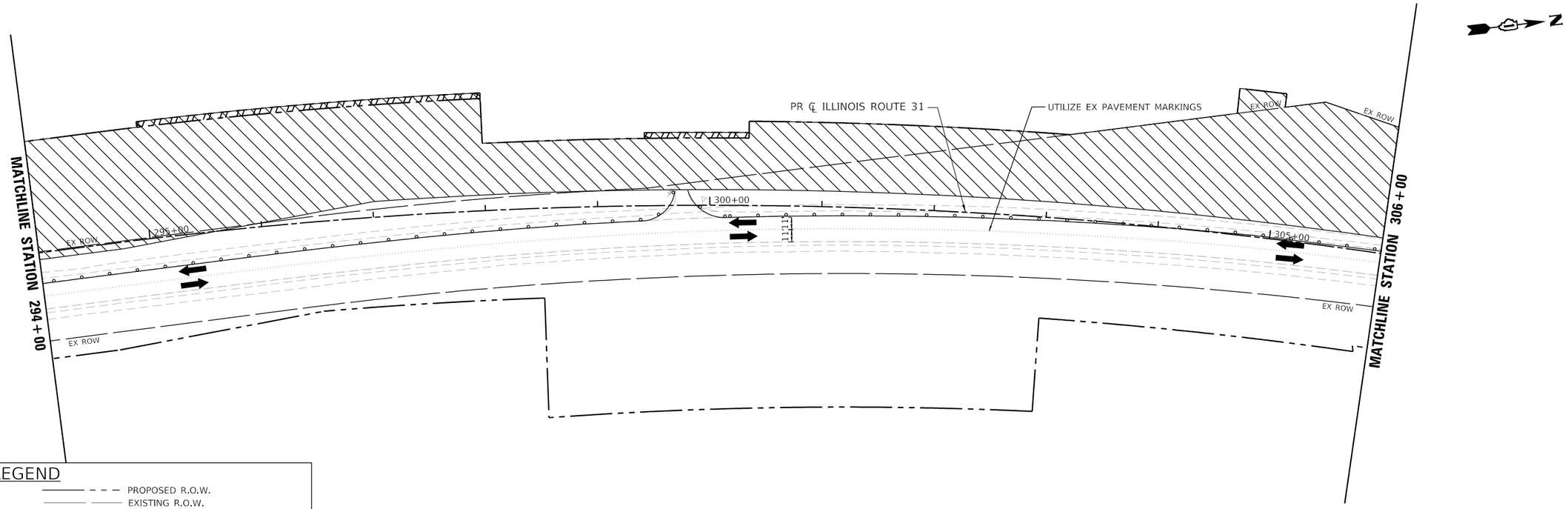
PATRICK a RSR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -
		DRAWN - ACN	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

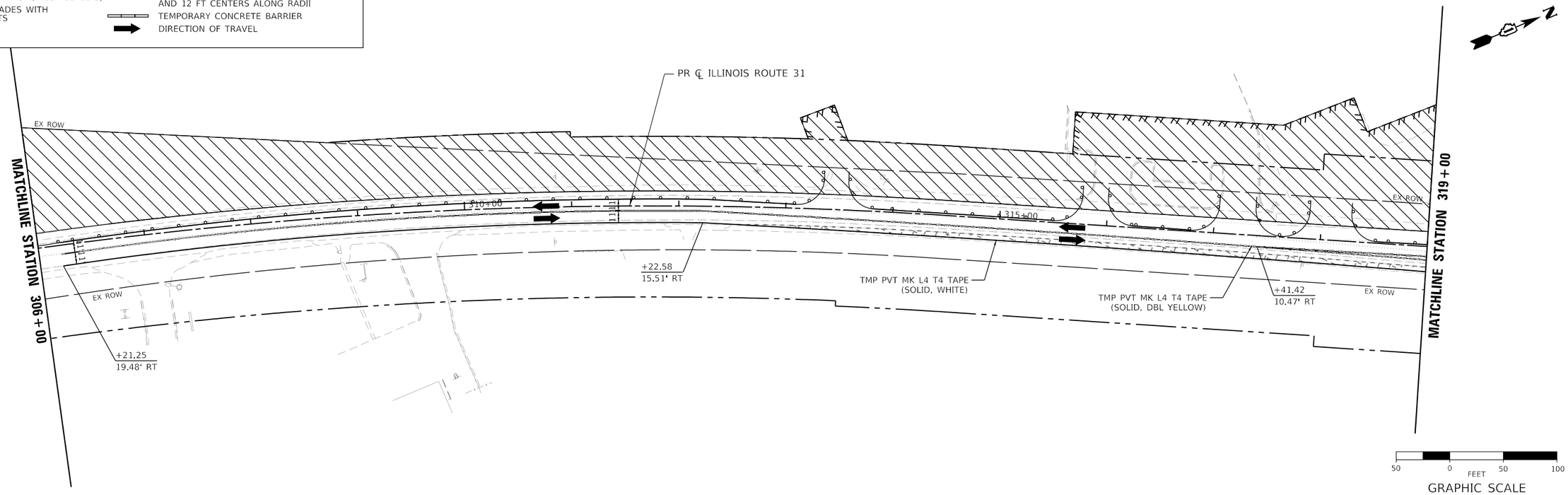
SCALE: 1"=50' | SHEET 7 OF 11 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	143
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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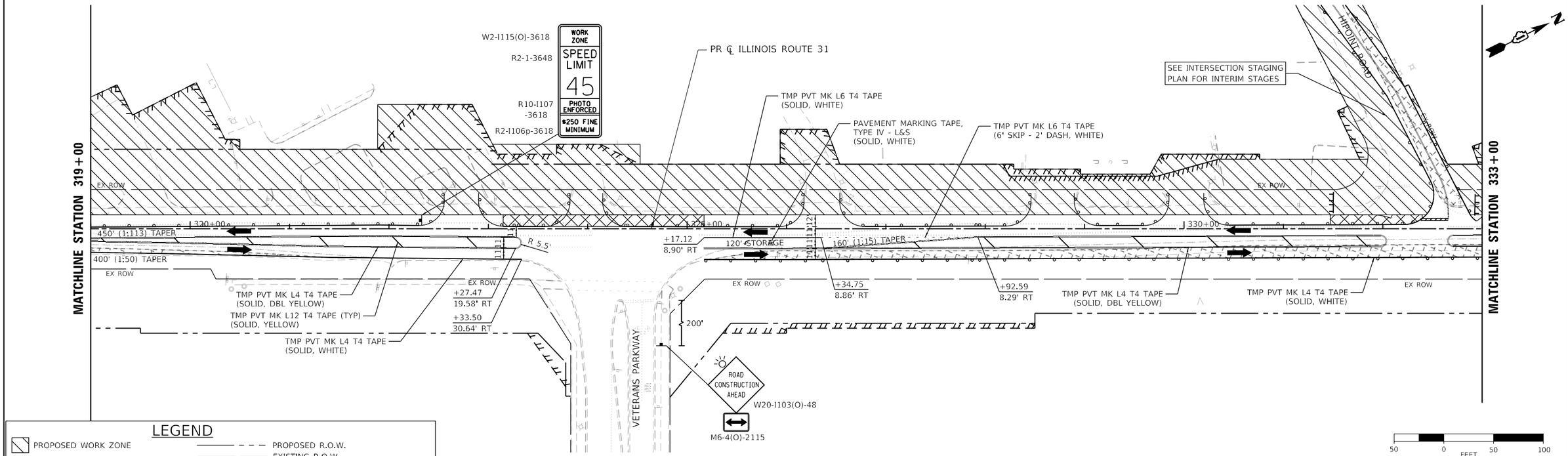
PATRICK a Jacobs company

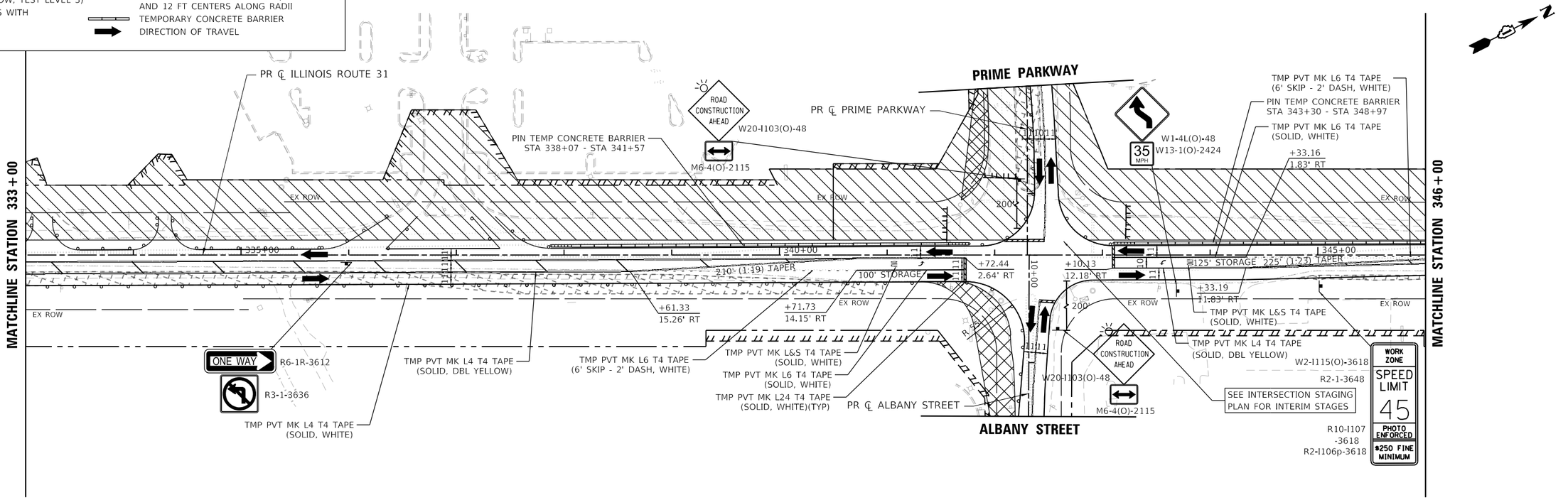
USER NAME = bwitort	DESIGNED - ACN	REVISED -	**STATE OF ILLINOIS**	**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN**
	DRAWN - ACN	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -		SCALE: 1"=50' | SHEET 8 OF 11 SHEETS | STA. 294+00 TO STA. 319+00
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	144
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a Jacobs company

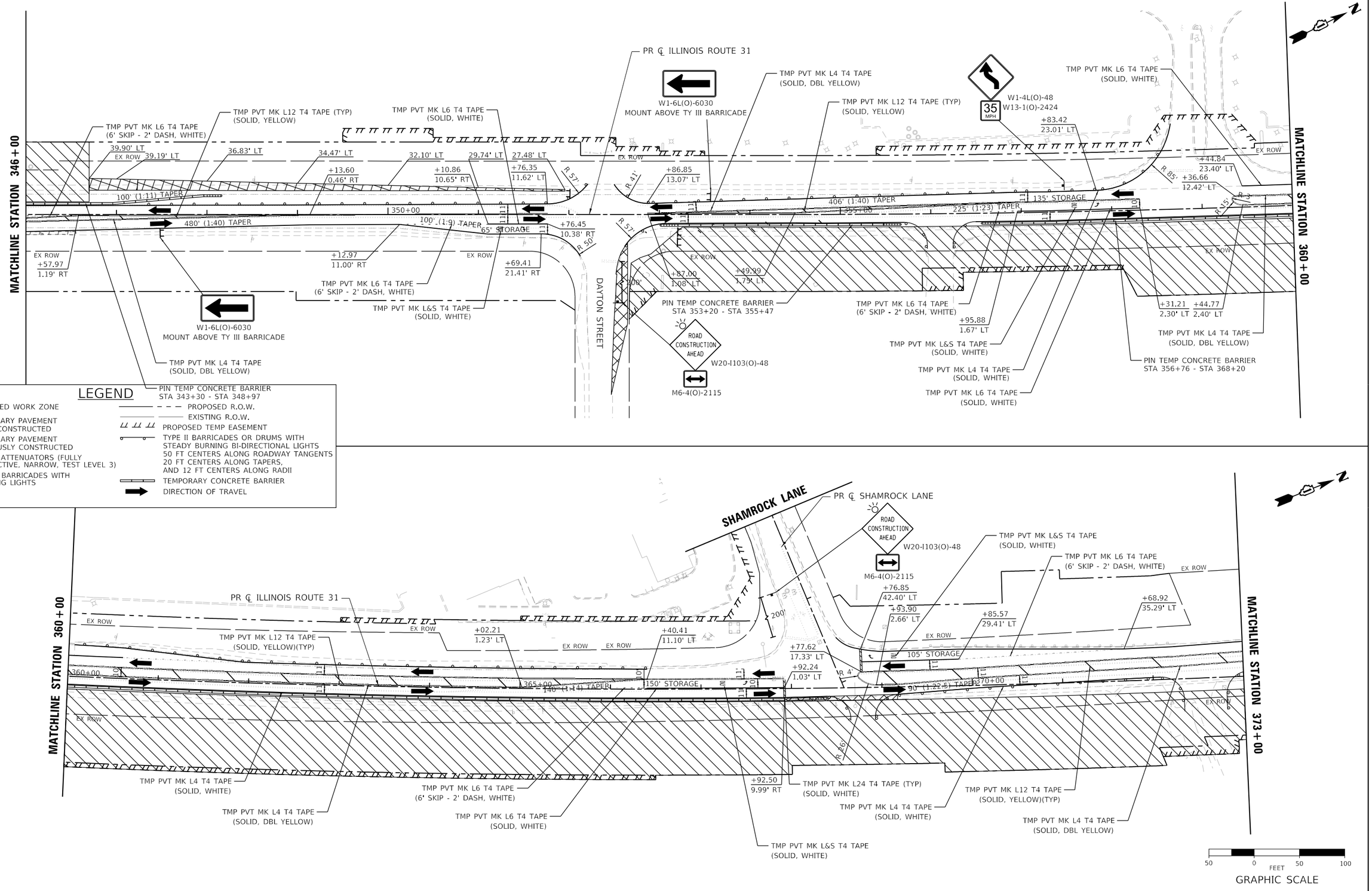
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 11 SHEETS | STA. 319+00 | TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	145
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PATRICK a RJH company

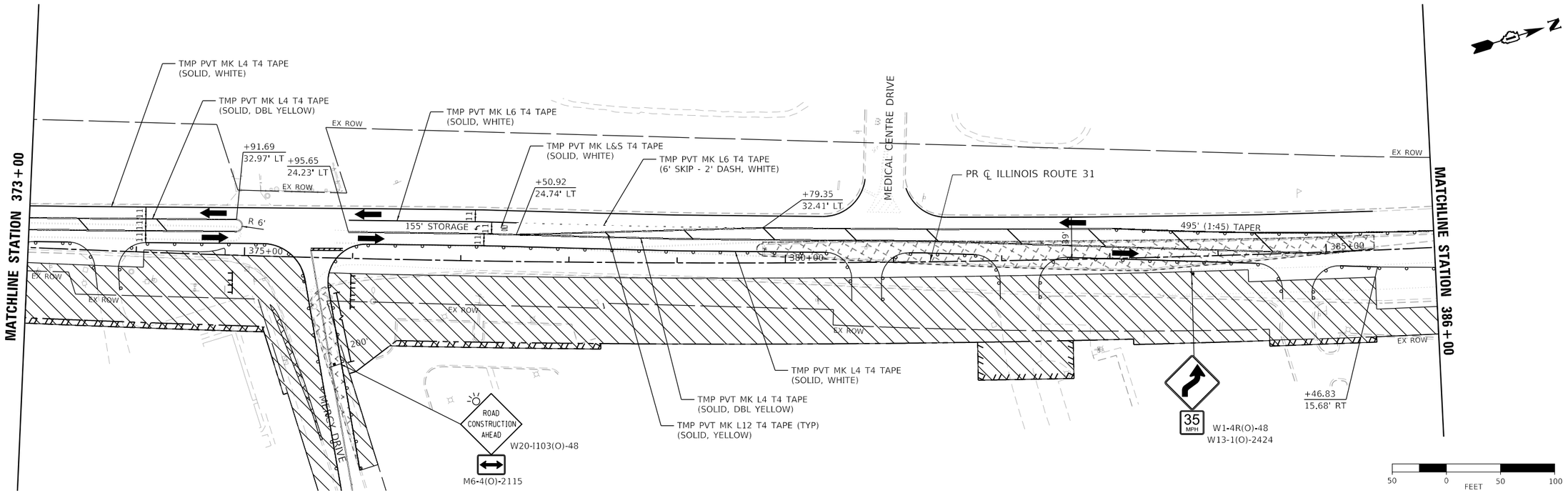
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

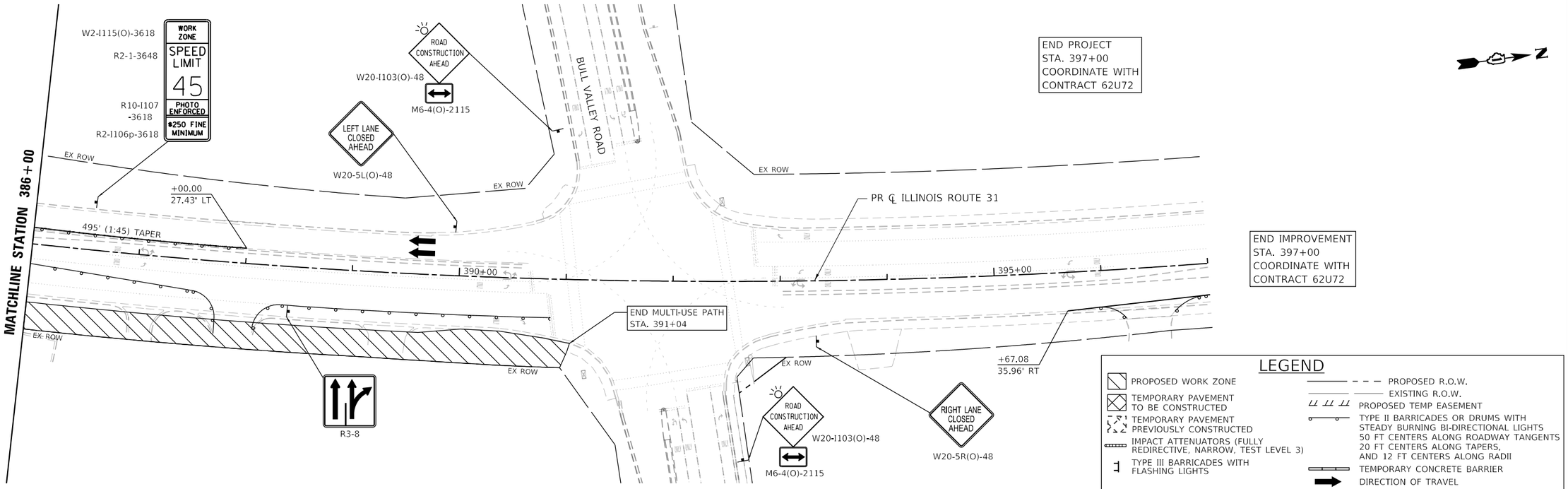
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 11 SHEETS | STA. 346+00 TO STA. 373+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	146
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

PATRICK a WSP company

USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 11 SHEETS | STA. 373+00 TO STA. 397+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	147
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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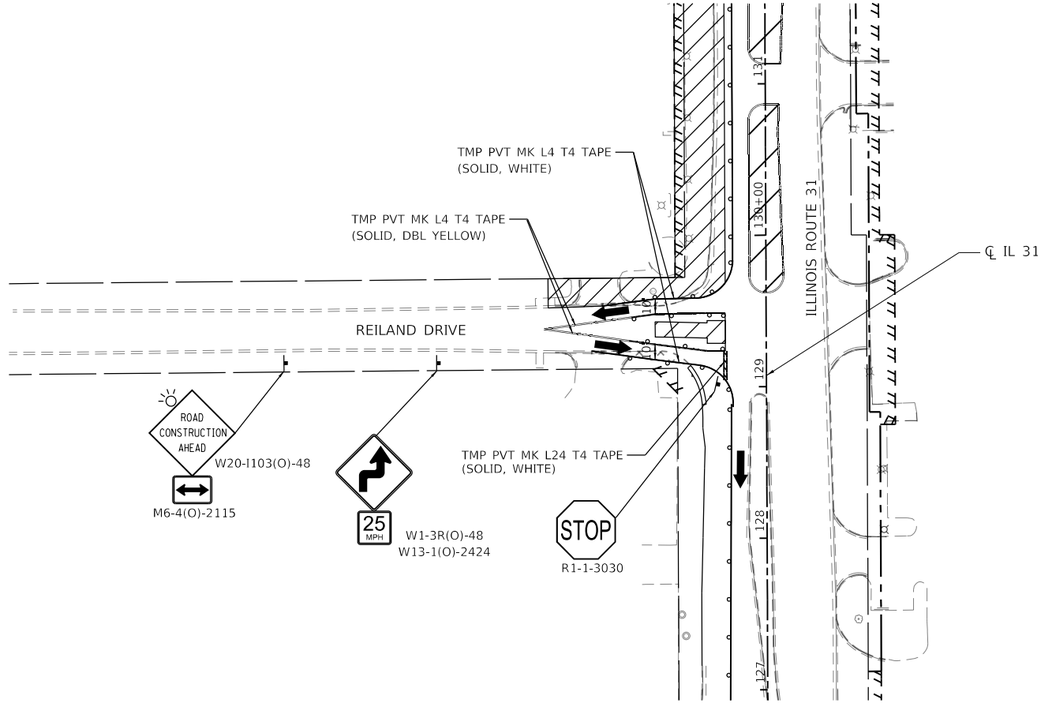
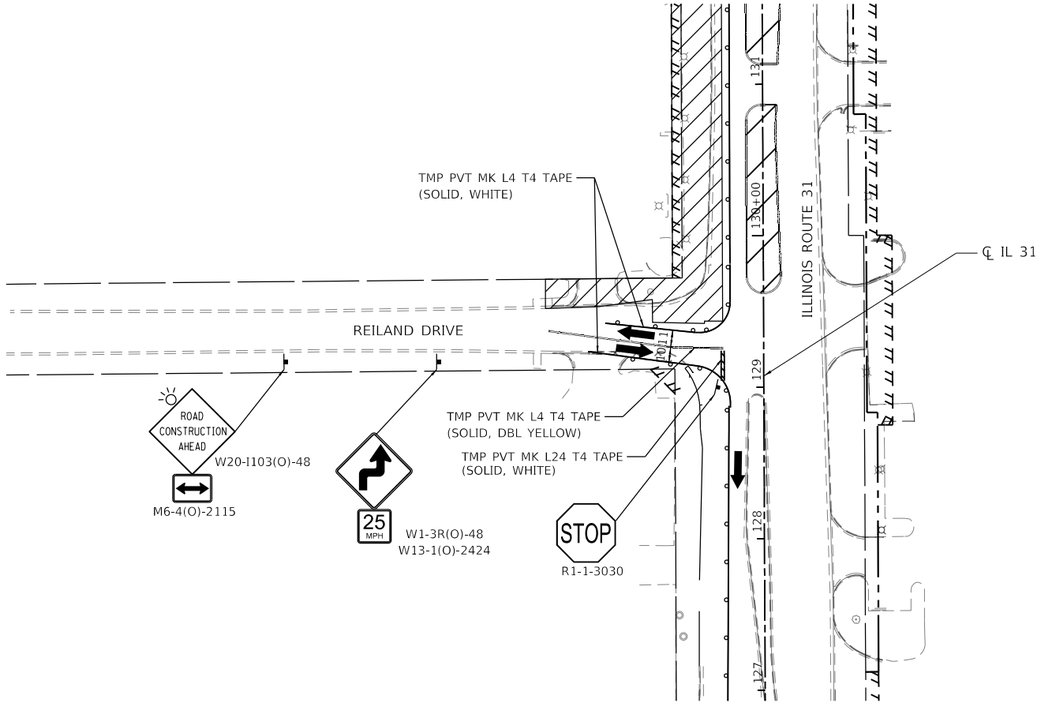


REILAND DRIVE - INTERSECTION SUB-STAGE 1A

N

50 0 50 100
FEET
GRAPHIC SCALE



REILAND DRIVE - INTERSECTION SUB-STAGE 1B

N

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

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PATRICK a RES company

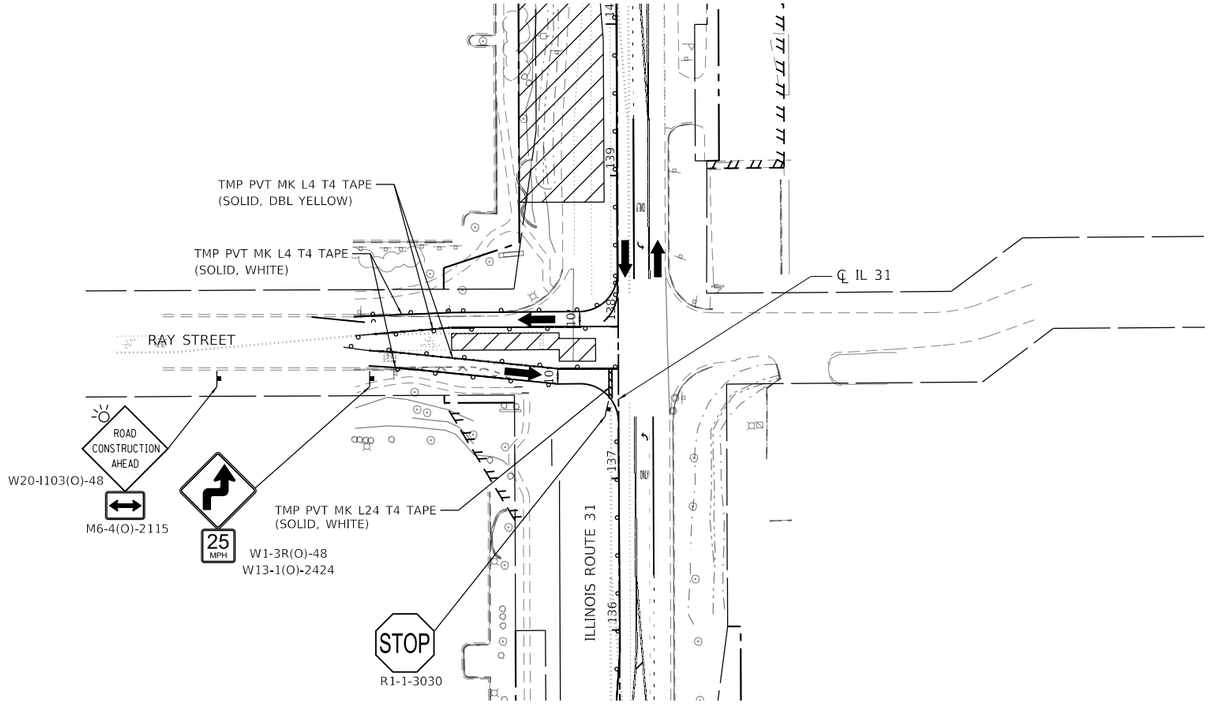
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 INTERSECTION PLAN
REILAND DRIVE

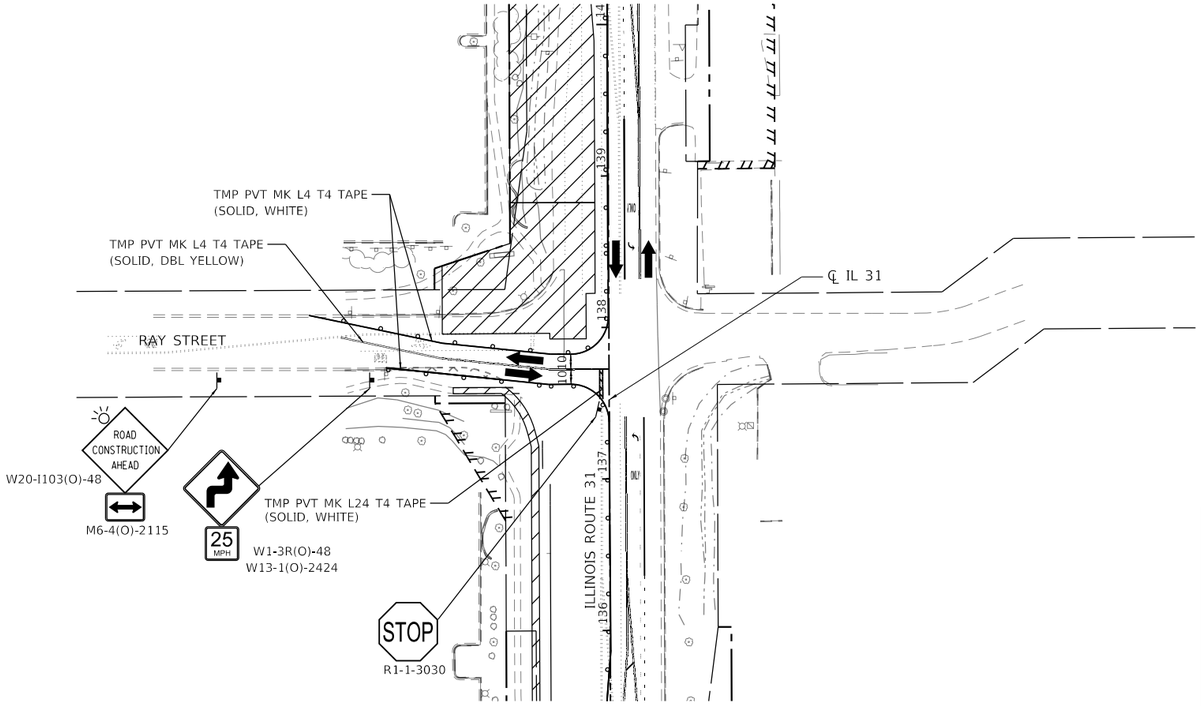
SCALE: 1"=50' | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	148
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



RAY STREET - INTERSECTION SUB-STAGE 1A

50 0 50 100
FEET
GRAPHIC SCALE



RAY STREET - INTERSECTION SUB-STAGE 1B

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

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PATRICK a RES company

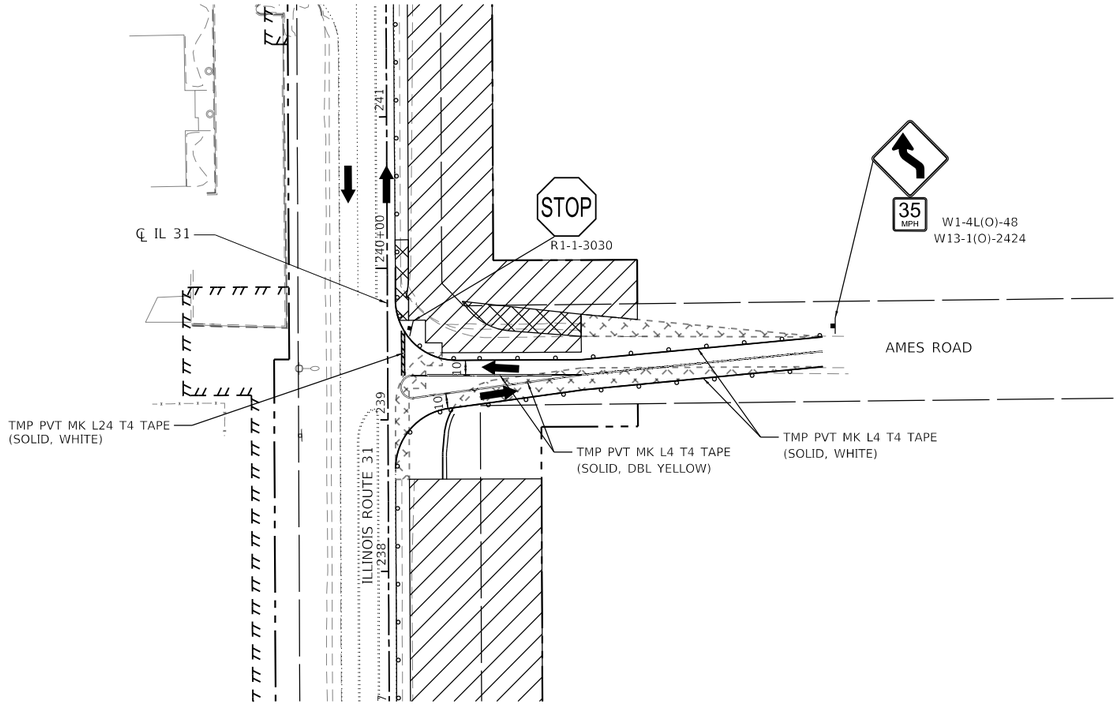
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 INTERSECTION PLAN
RAY STREET

SCALE: 1"=50' | SHEET 2 OF 6 SHEETS | STA. | TO STA.

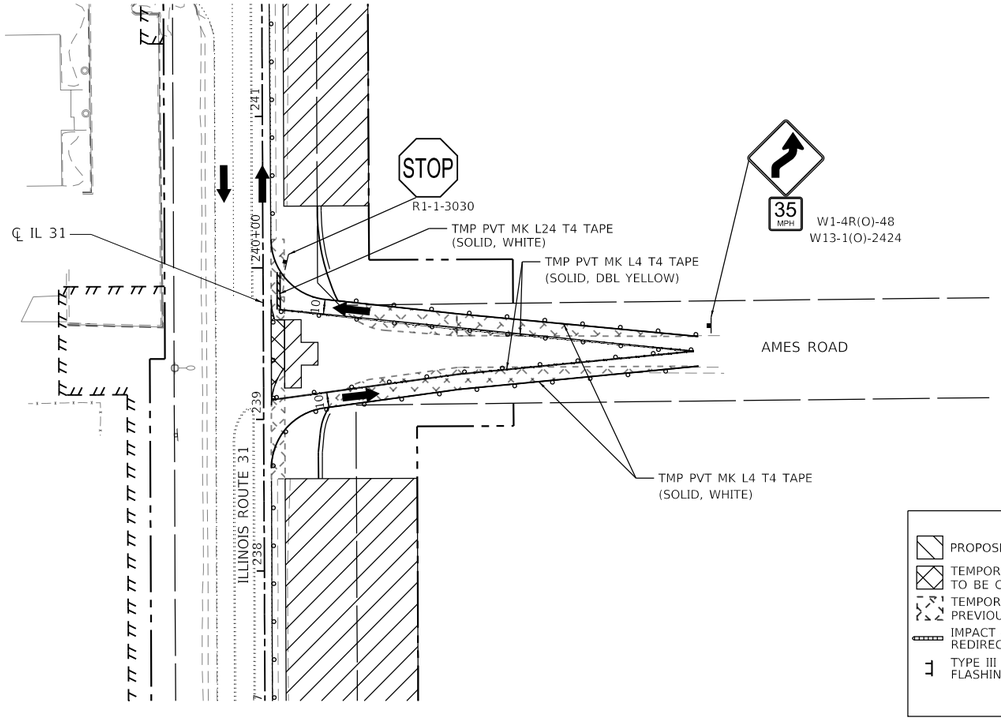
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	149
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



N

50 0 50 100
FEET
GRAPHIC SCALE

AMES ROAD - INTERSECTION SUB-STAGE 1A



N

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

AMES ROAD - INTERSECTION SUB-STAGE 1B

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PATRICK a RK company

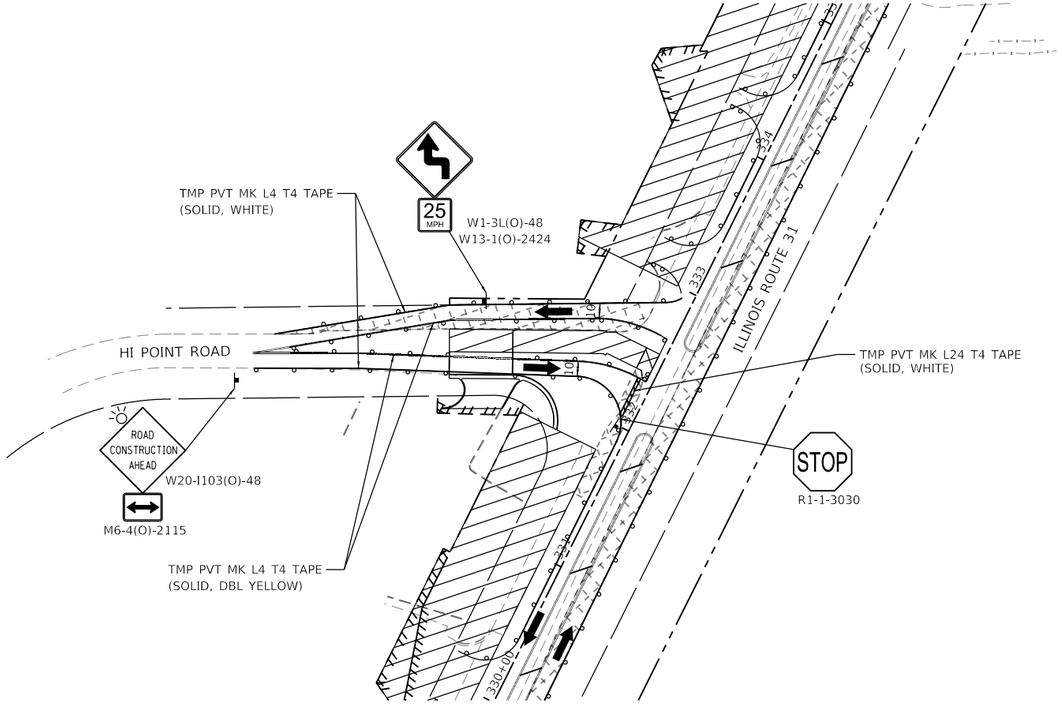
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

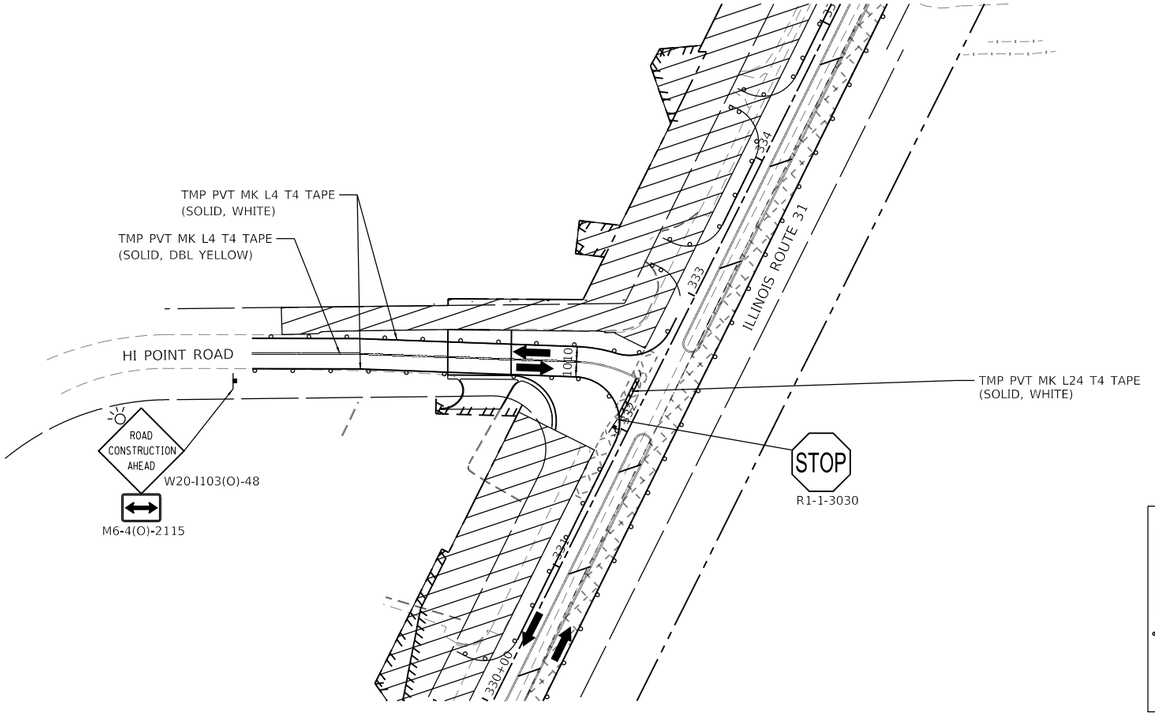
SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 INTERSECTION PLAN
AMES ROAD

SCALE: 1"=50' | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	150
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



HI POINT ROAD - INTERSECTION SUB-STAGE 1A



HI POINT ROAD - INTERSECTION SUB-STAGE 1B

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

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PATRICK a RSR company

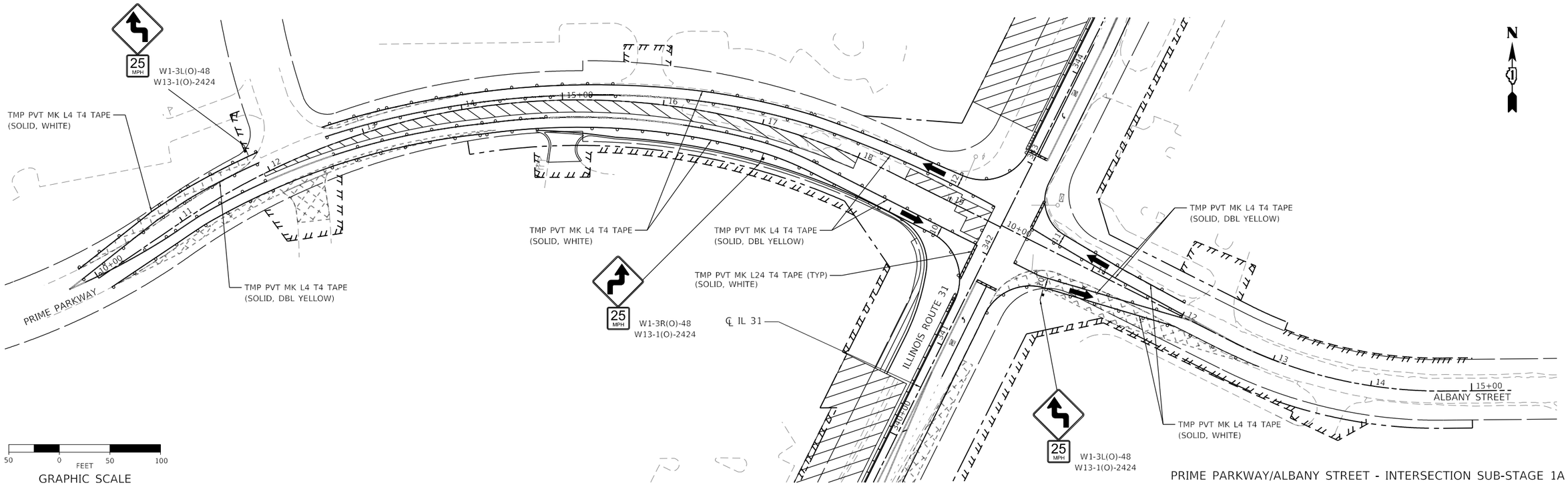
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

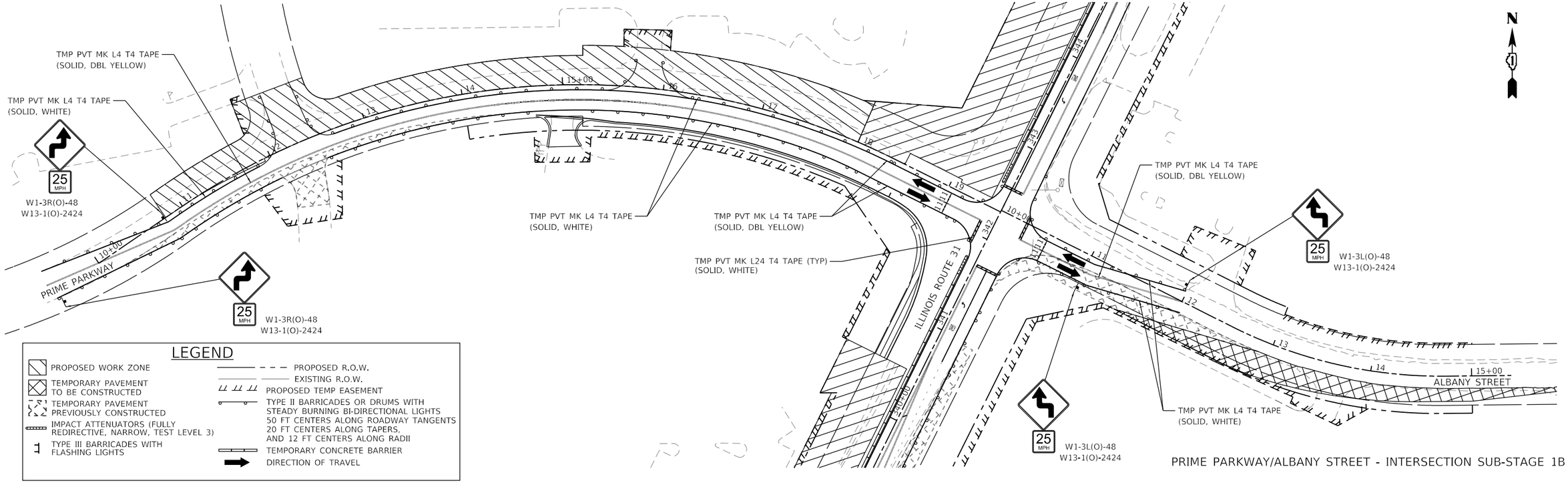
SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 INTERSECTION PLAN
HI POINT ROAD

SCALE: 1"=50' | SHEET 4 OF 6 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	151
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PRIME PARKWAY/ALBANY STREET - INTERSECTION SUB-STAGE 1A



PRIME PARKWAY/ALBANY STREET - INTERSECTION SUB-STAGE 1B

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PATRICK a AECOM company

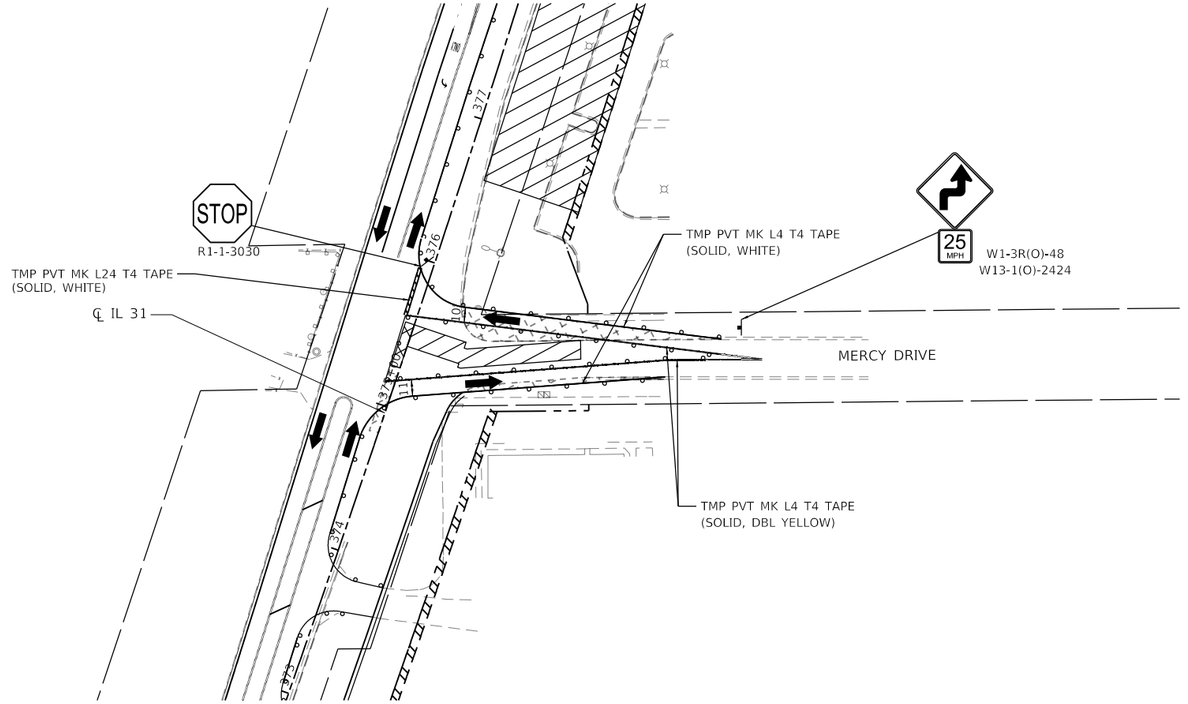
USER NAME = bwitort	DESIGNED - ACN	REVISED -
	DRAWN - ACN	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 INTERSECTION PLAN
PRIME PARKWAY/ALBANY STREET

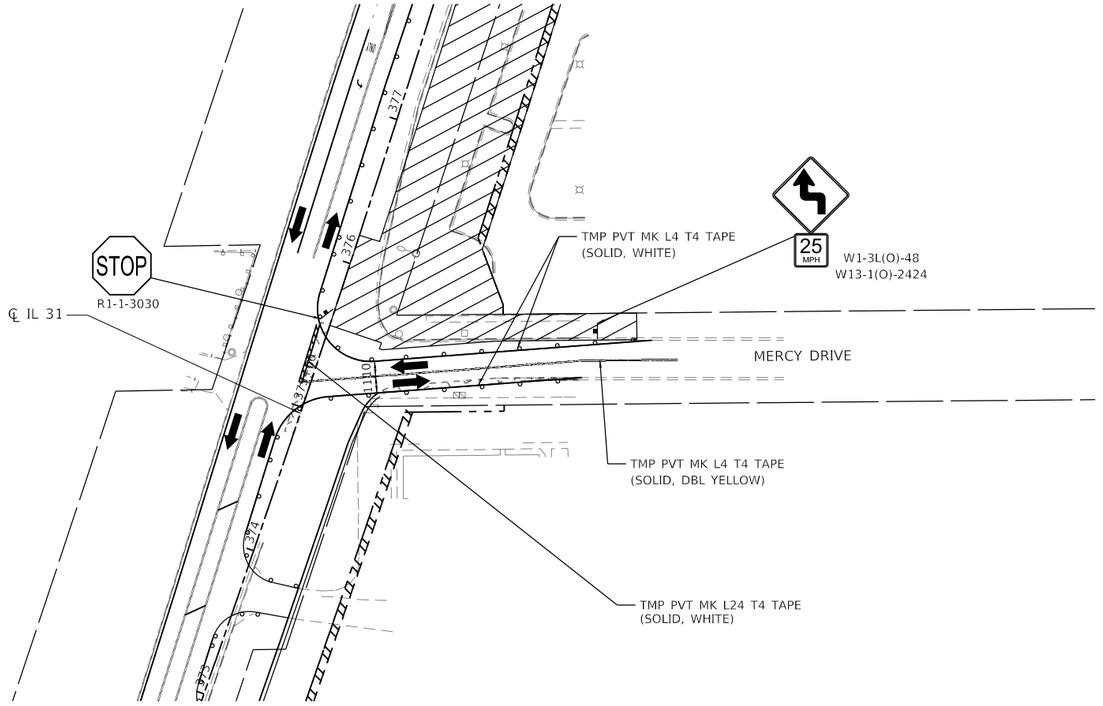
SCALE: 1"=50' | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	152
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



50 0 50 100
FEET
GRAPHIC SCALE

MERCY DRIVE - INTERSECTION SUB-STAGE 1A



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

MERCY DRIVE - INTERSECTION SUB-STAGE 1B

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PATRICK a RJN company

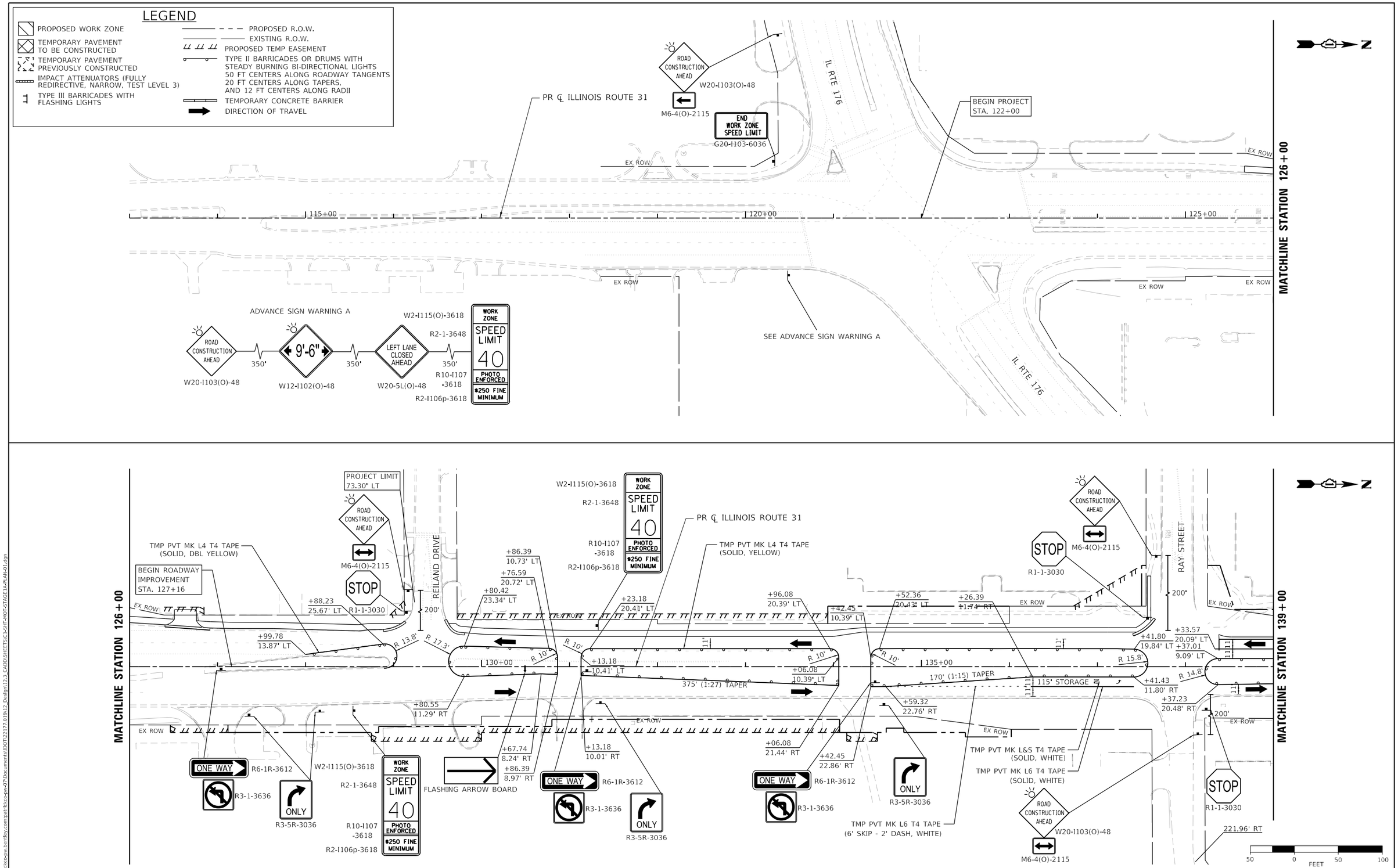
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 INTERSECTION PLAN
MERCY DRIVE

SCALE: 1"=50' | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	153
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN ILLINOIS ROUTE 31	
	DRAWN - ACN	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 1 OF 11 SHEETS STA. 120+00 TO STA. 139+00	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	154
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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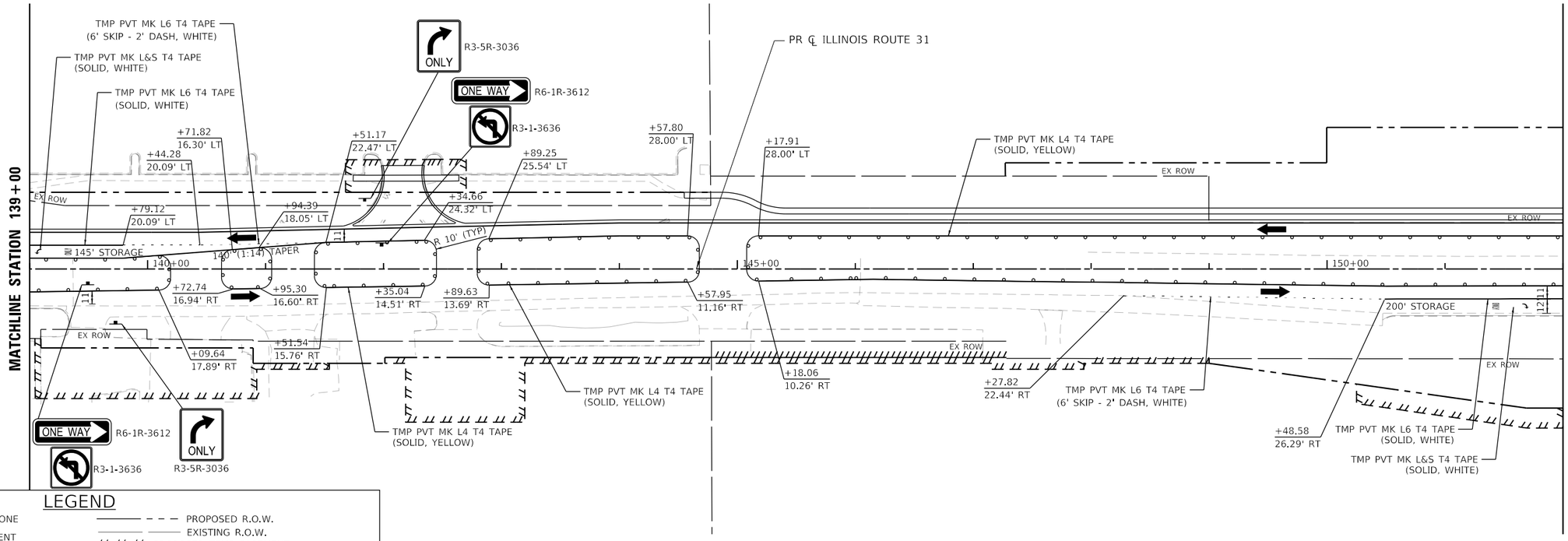
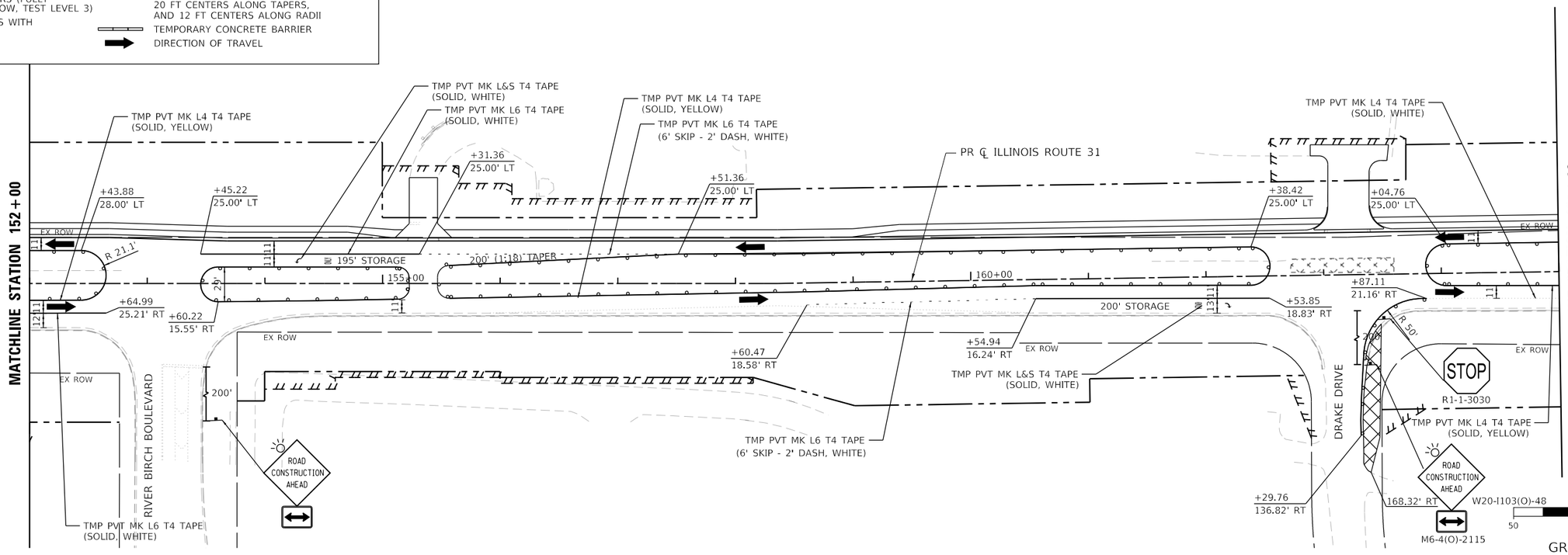


LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 11 SHEETS | STA. 139+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	155
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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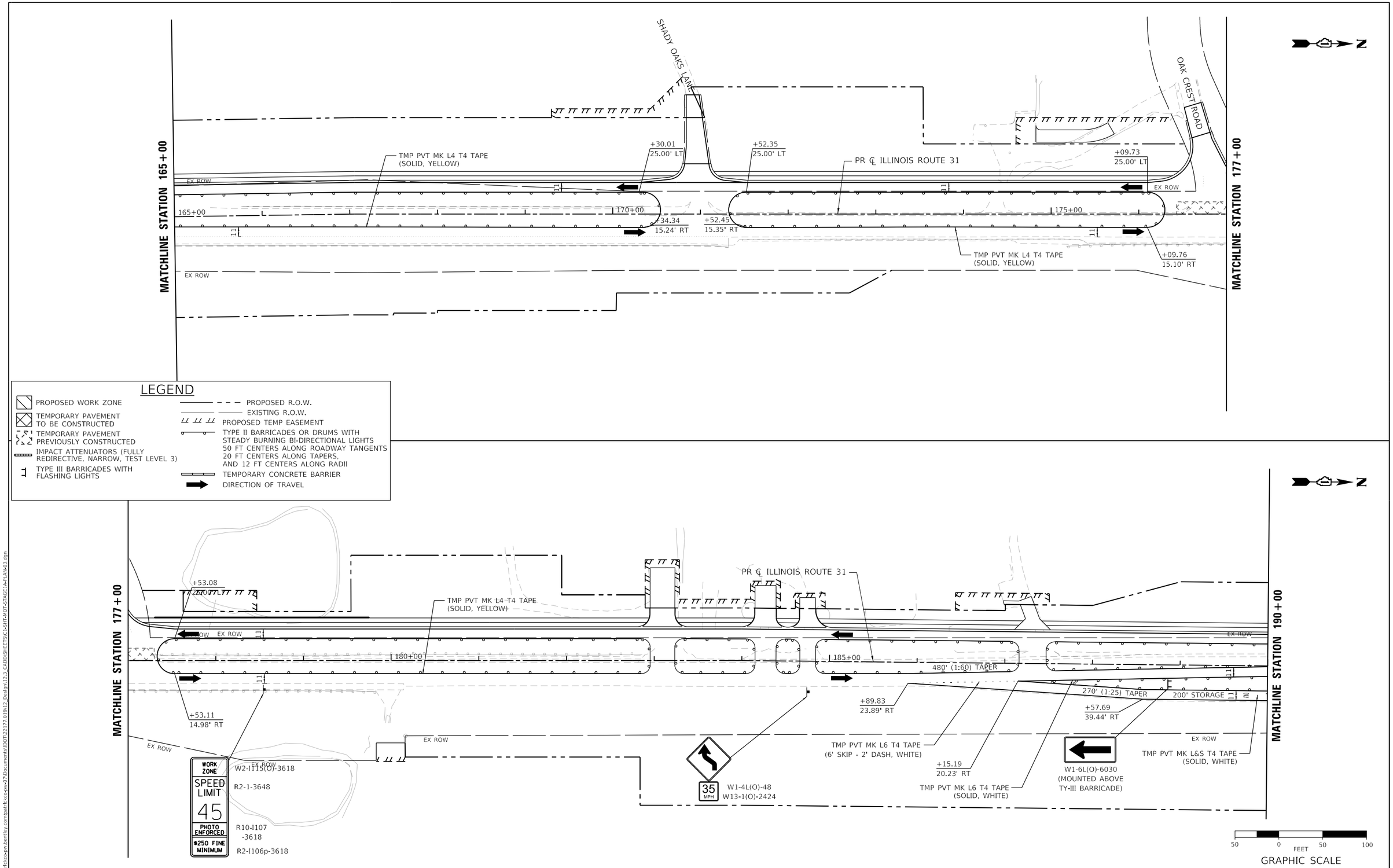

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PATRICK a RSR company

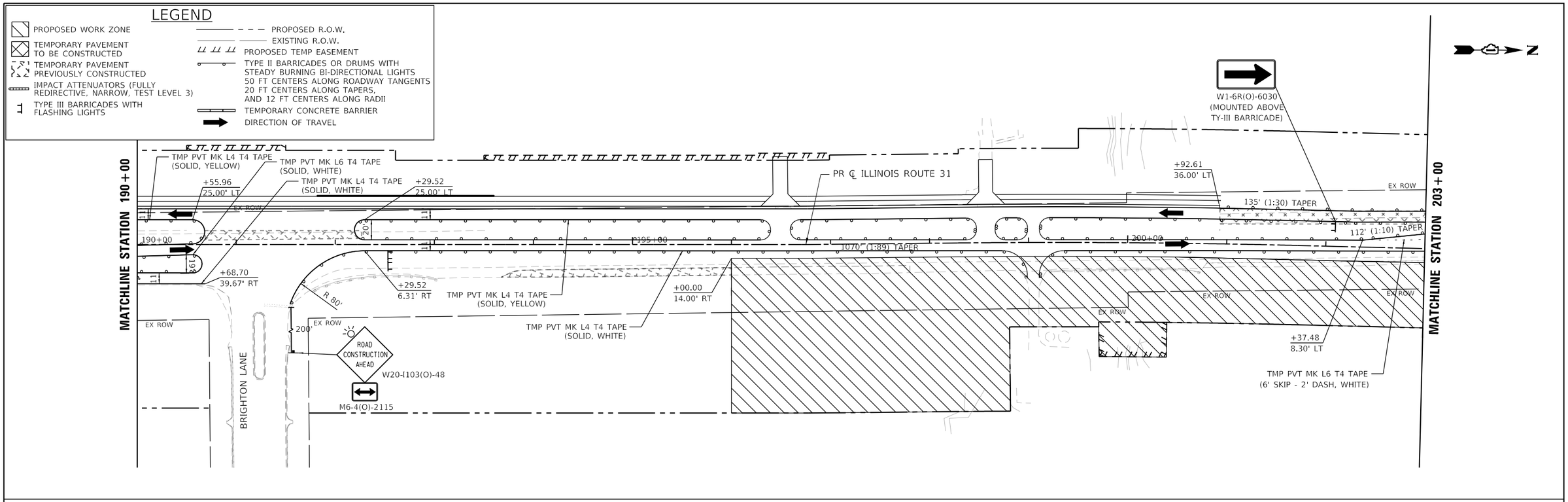
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 11 SHEETS | STA. 165+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	156
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PATRICK a RJR company

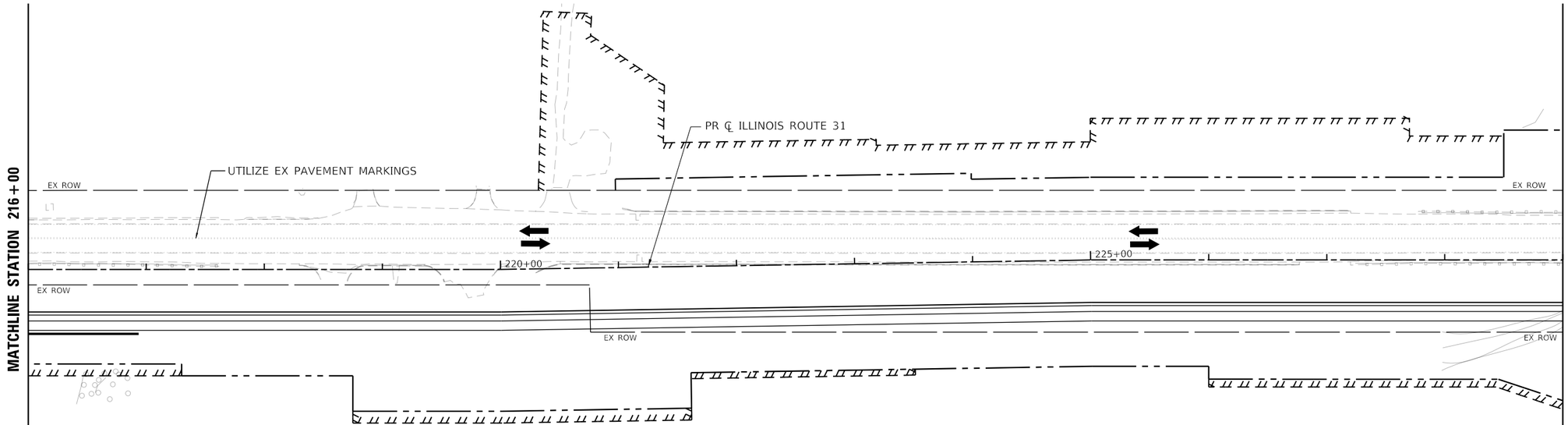
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

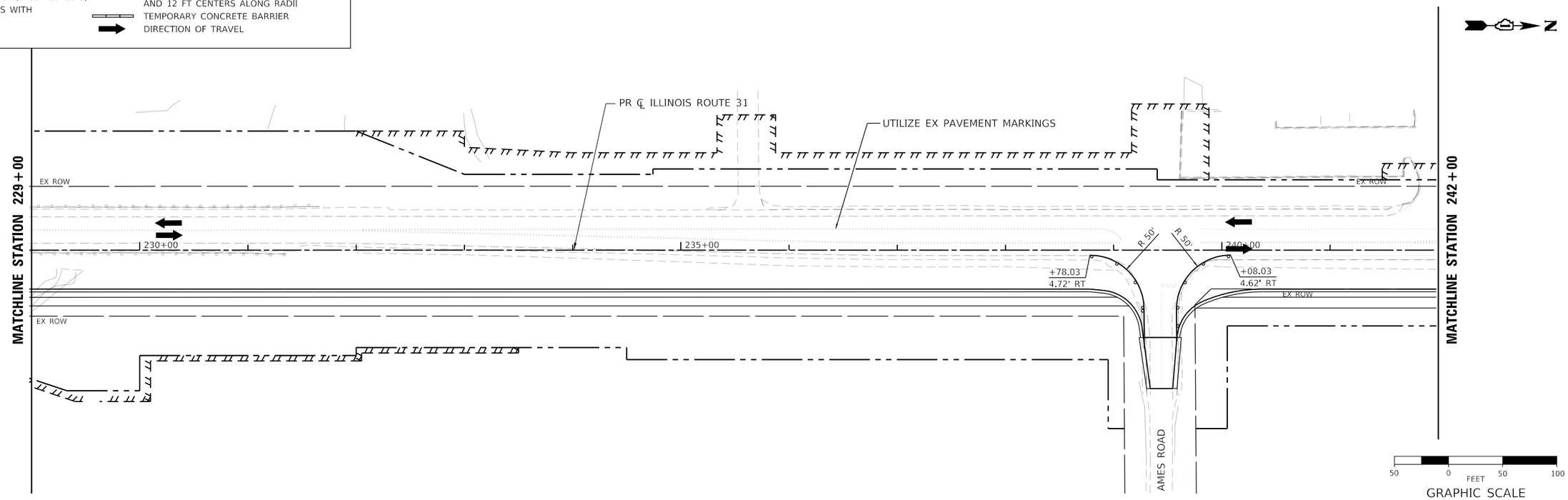
SCALE: 1"=50' | SHEET 4 OF 11 SHEETS | STA. 190+00 TO STA. 216+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	157
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a RJH company

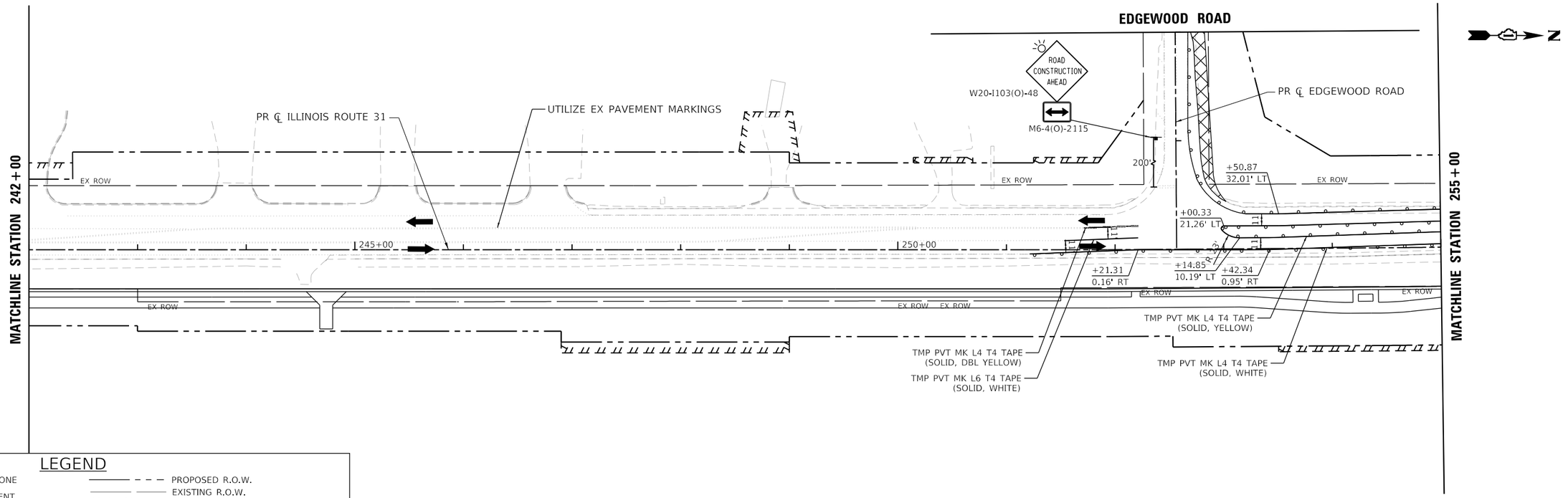
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

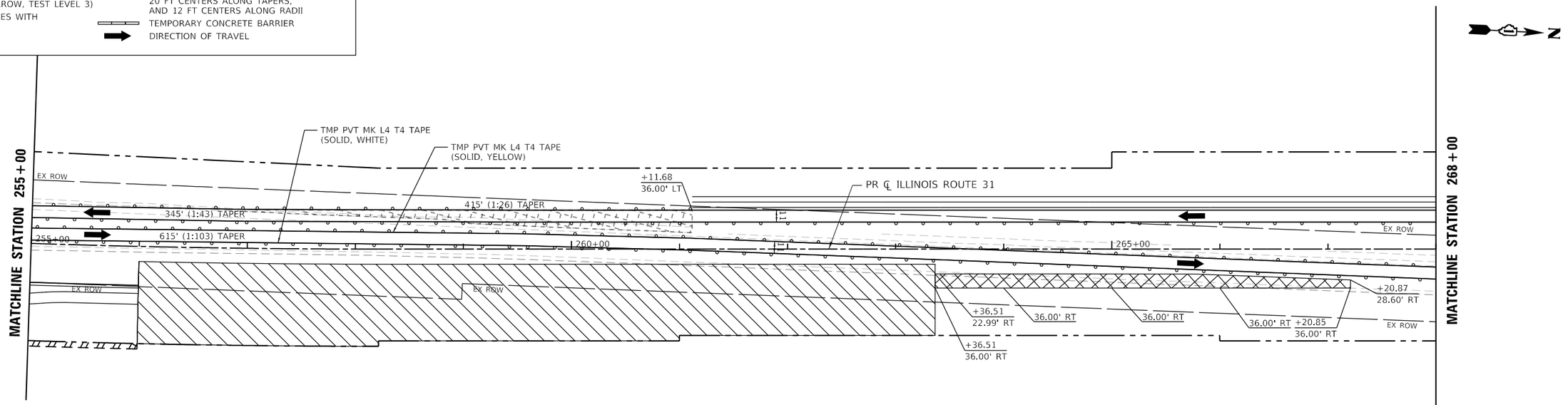
SCALE: 1"=50' | SHEET 5 OF 11 SHEETS | STA. 216+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	158
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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FEET
GRAPHIC SCALE

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PATRICK a Jacobs company

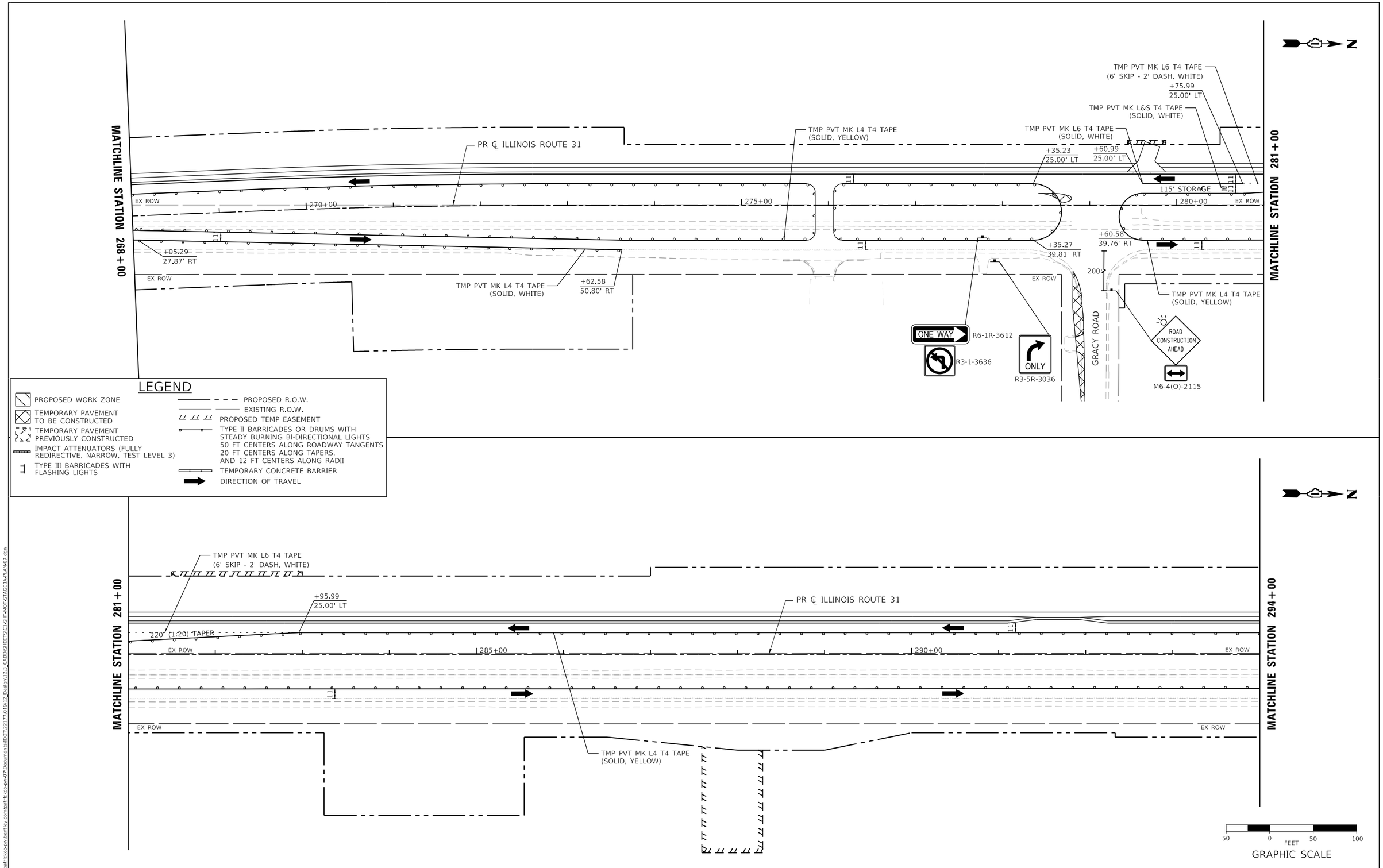
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 11 SHEETS | STA. 242+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	159
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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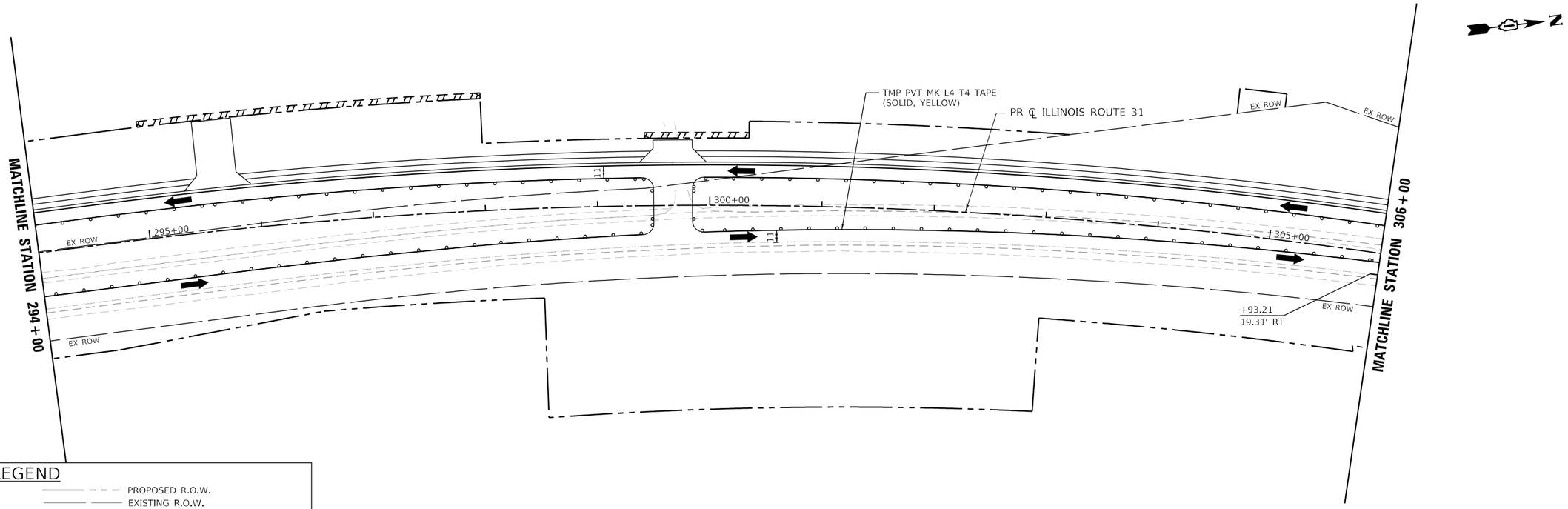
PATRICK a RSR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -
		DRAWN - ACN	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

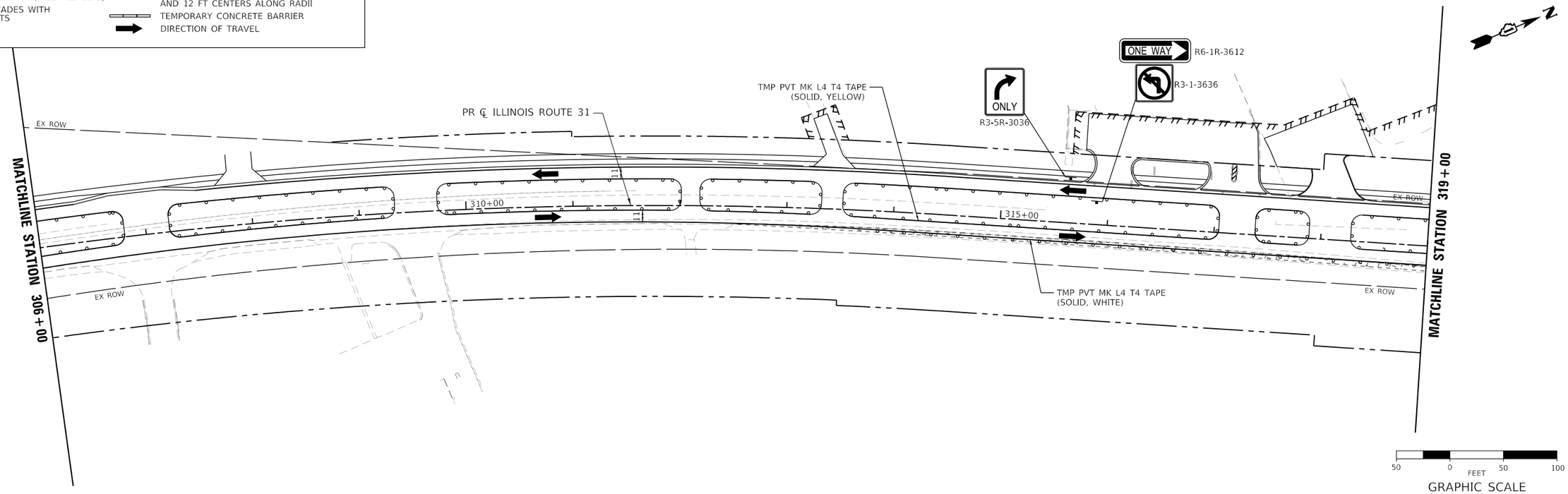
SCALE: 1"=50' | SHEET 7 OF 11 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	160
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a Jacobs company

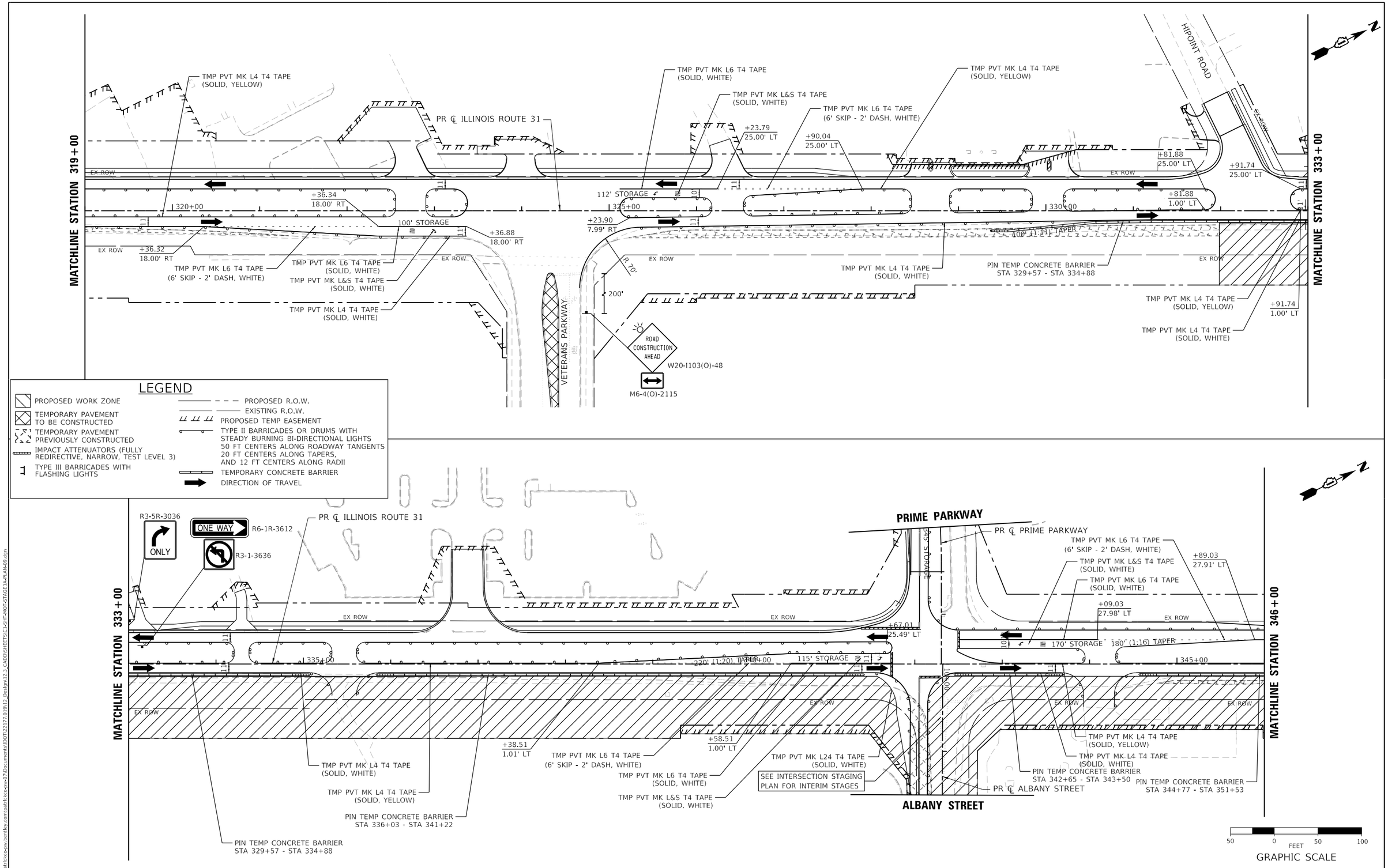
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 11 SHEETS | STA. 294+00 TO STA. 319+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	161
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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PATRICK a Rojo company

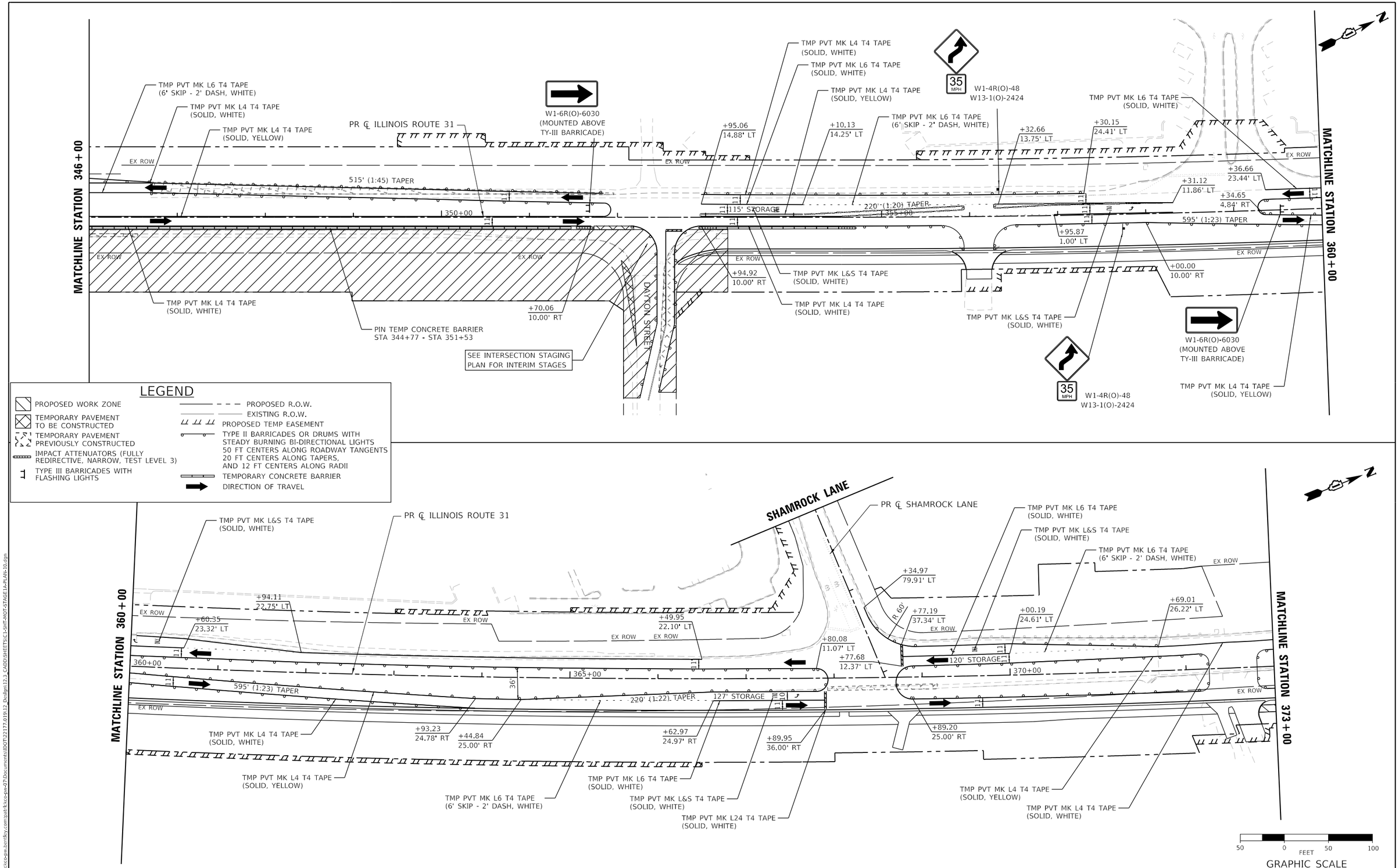
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 11 SHEETS | STA. 319+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	162
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

MODEL: Default
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PATRICK a Jacobs company

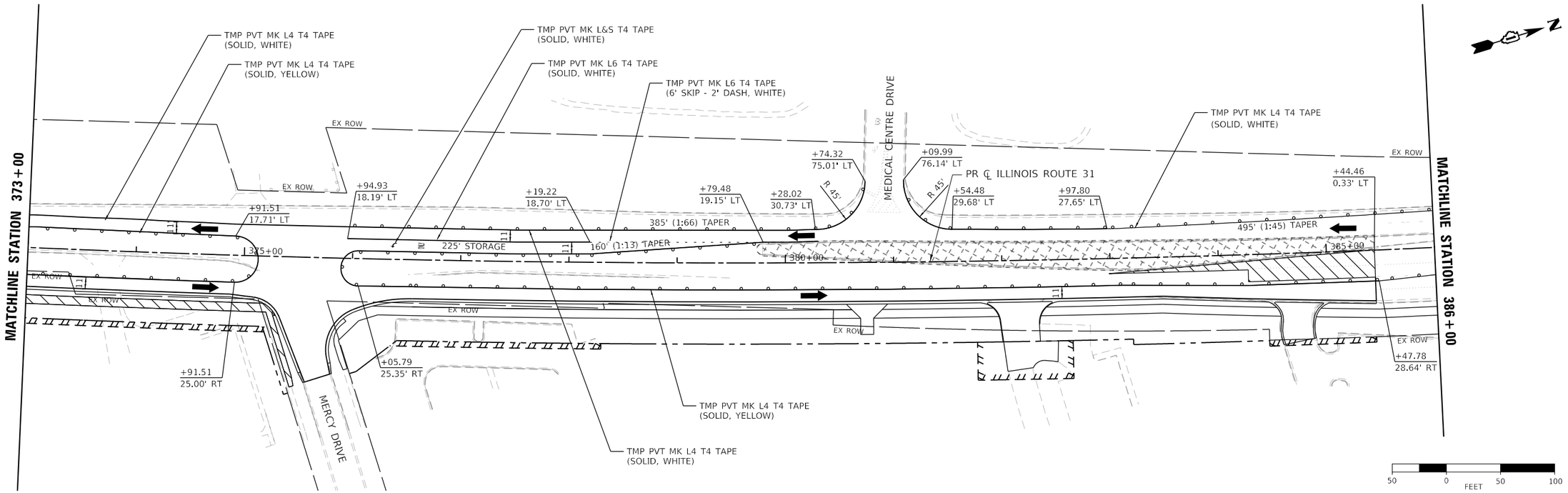
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

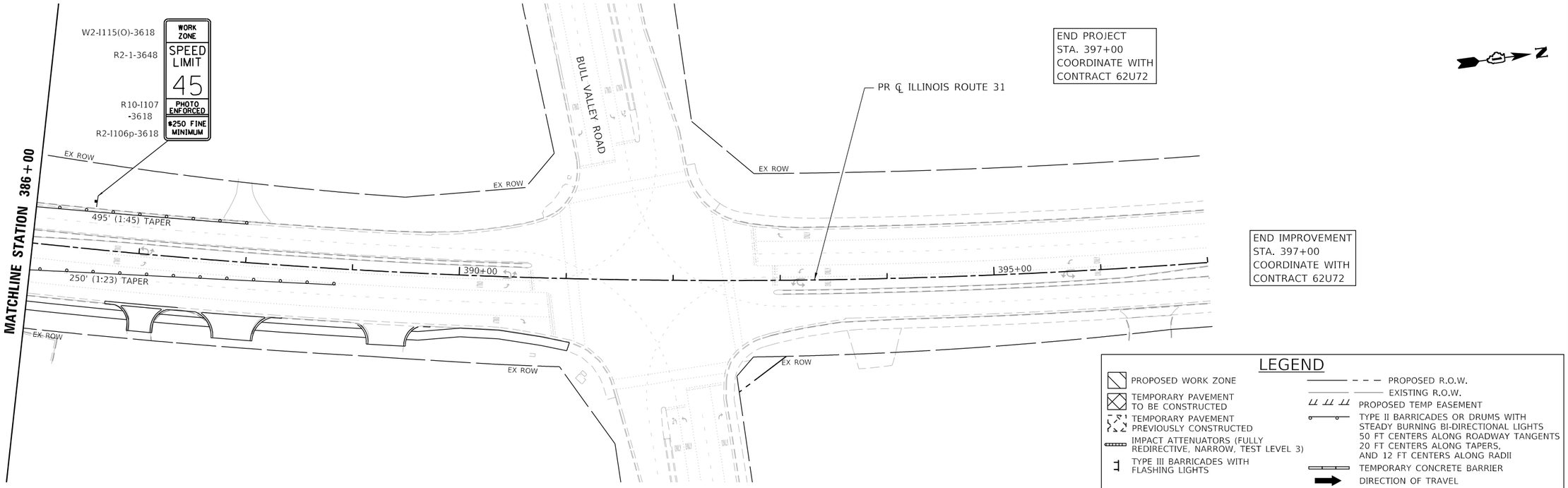
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 11 SHEETS | STA. 346+00 | TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	163
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

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PATRICK a RJR company

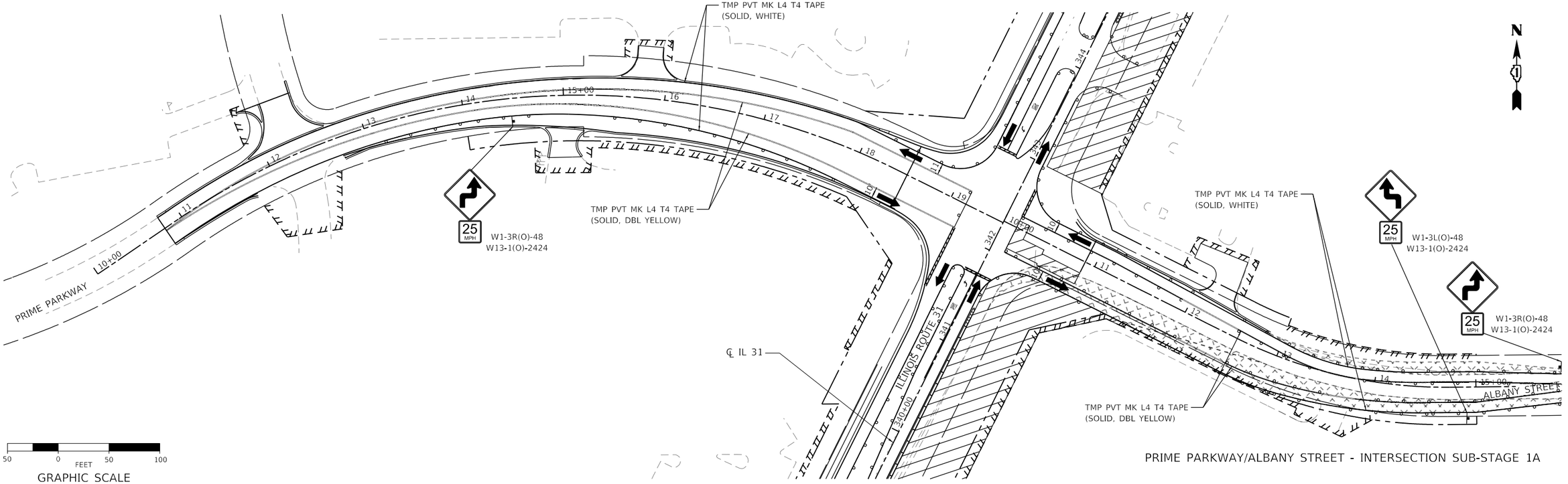
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

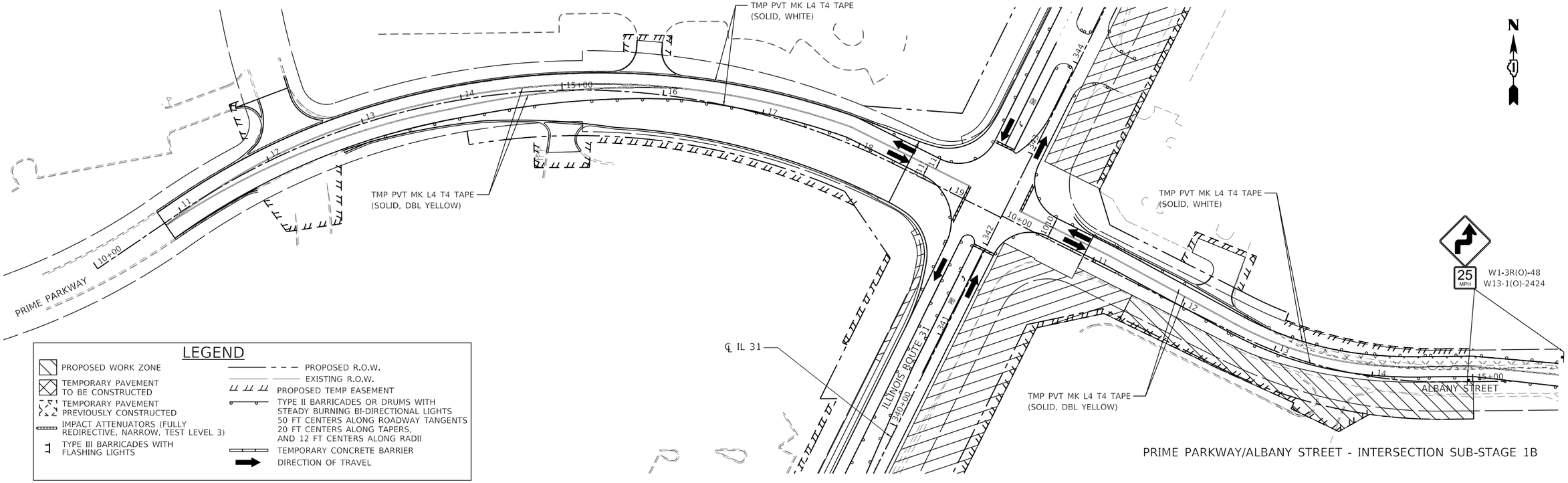
SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 11 SHEETS | STA. 373+00 TO STA. 397+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	164
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PRIME PARKWAY/ALBANY STREET - INTERSECTION SUB-STAGE 1A



PRIME PARKWAY/ALBANY STREET - INTERSECTION SUB-STAGE 1B

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PATRICK a RJR company

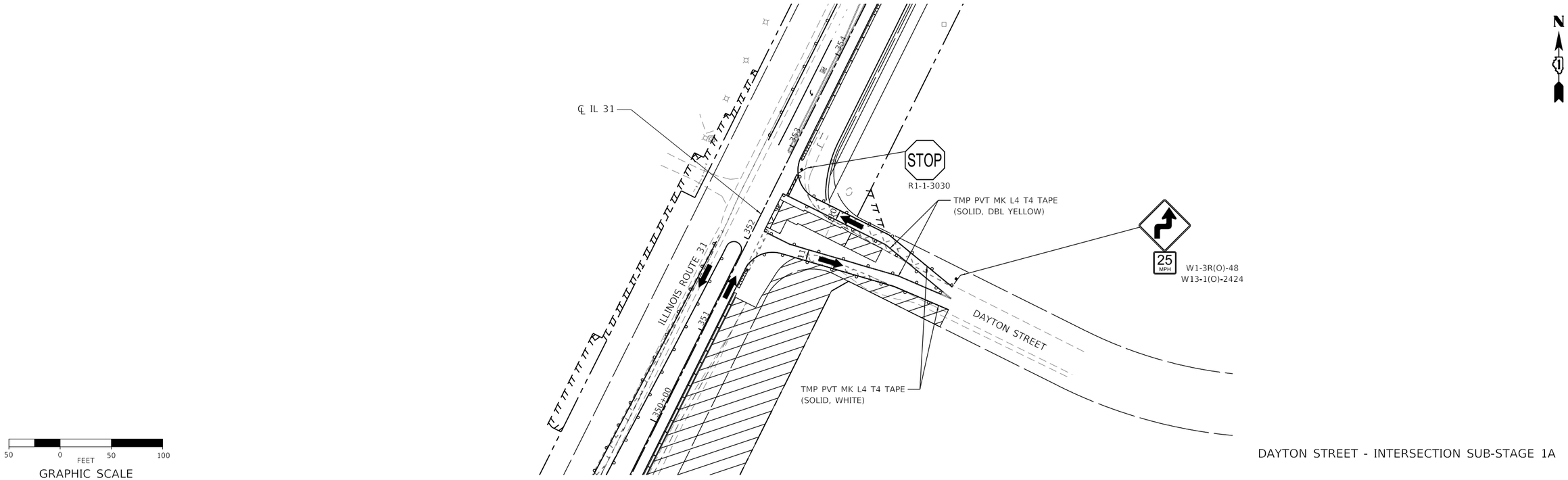
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

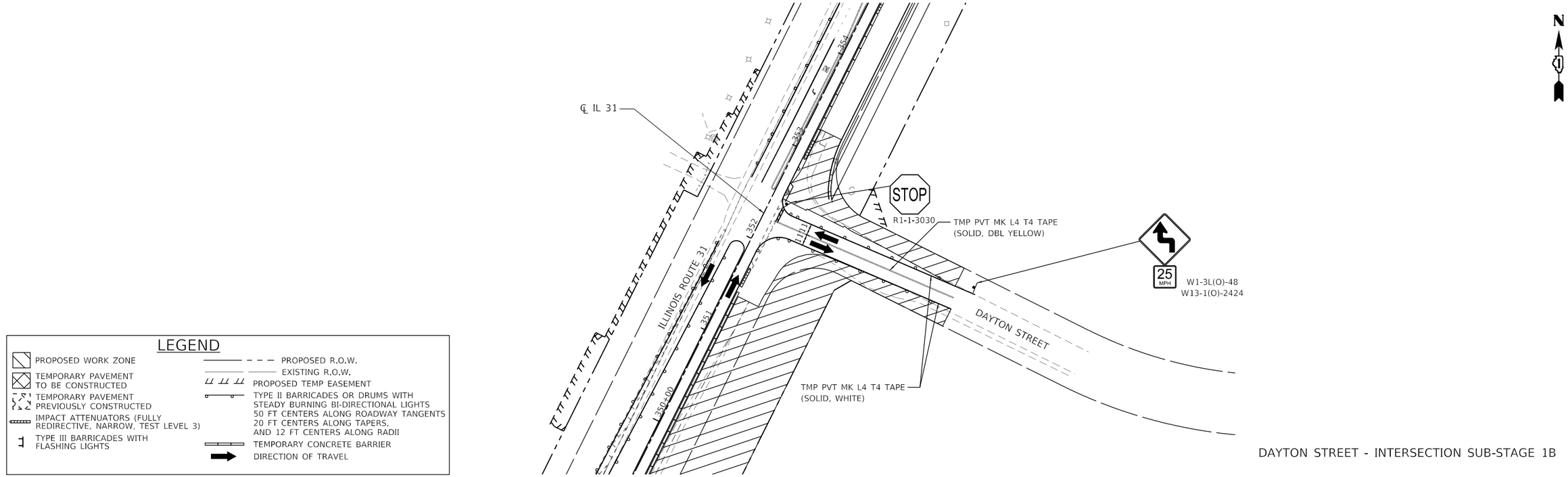
SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A INTERSECTION PLAN
PRIME PARKWAY/ALBANY STREET

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	165
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



DAYTON STREET - INTERSECTION SUB-STAGE 1A



DAYTON STREET - INTERSECTION SUB-STAGE 1B

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

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PATRICK a RSR company

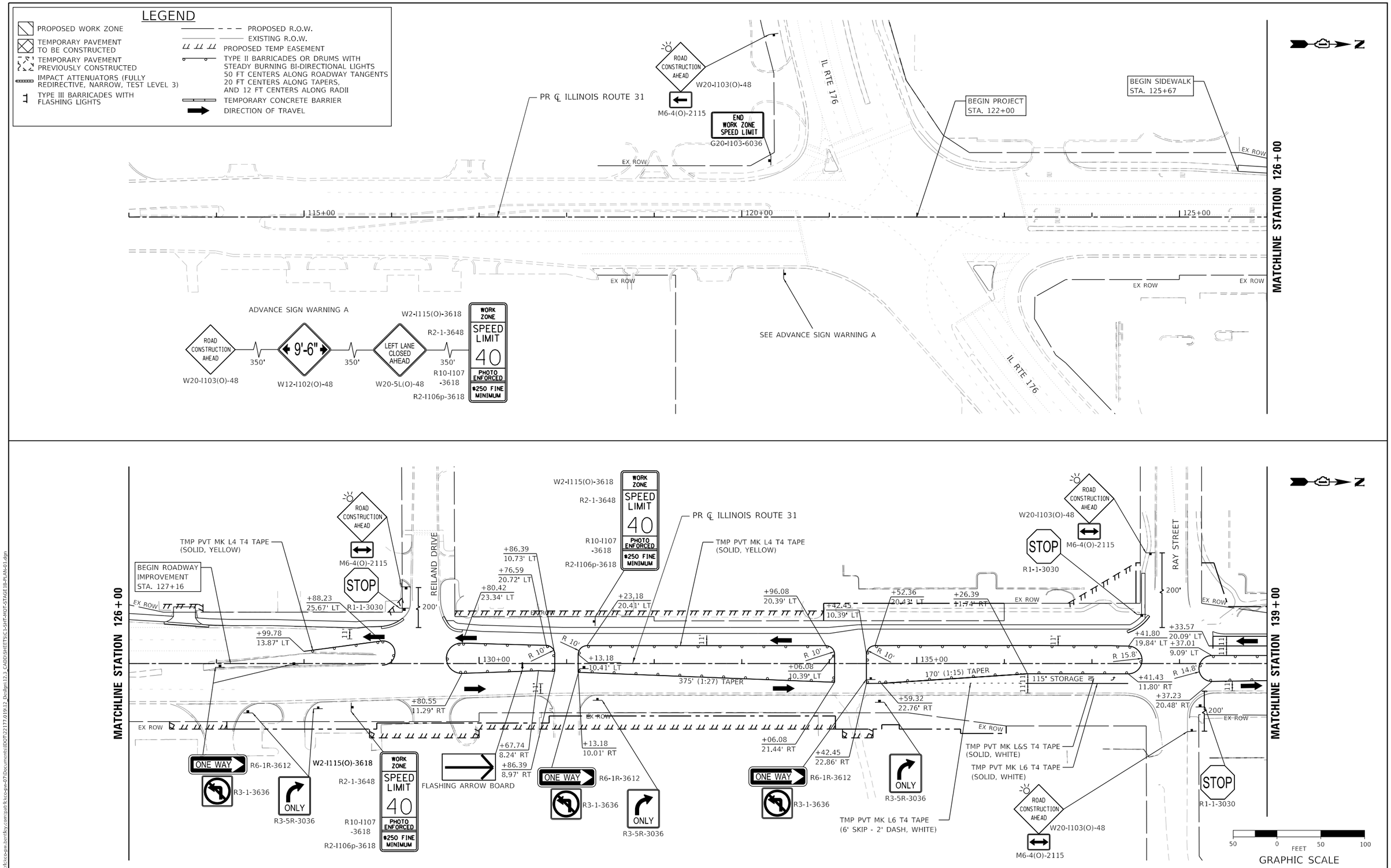
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A INTERSECTION PLAN
DAYTON STREET

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	166
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN ILLINOIS ROUTE 31	
	DRAWN - ACN	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 1 OF 11 SHEETS STA. 120+00 TO STA. 139+00	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	167
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PATRICK a RSR company

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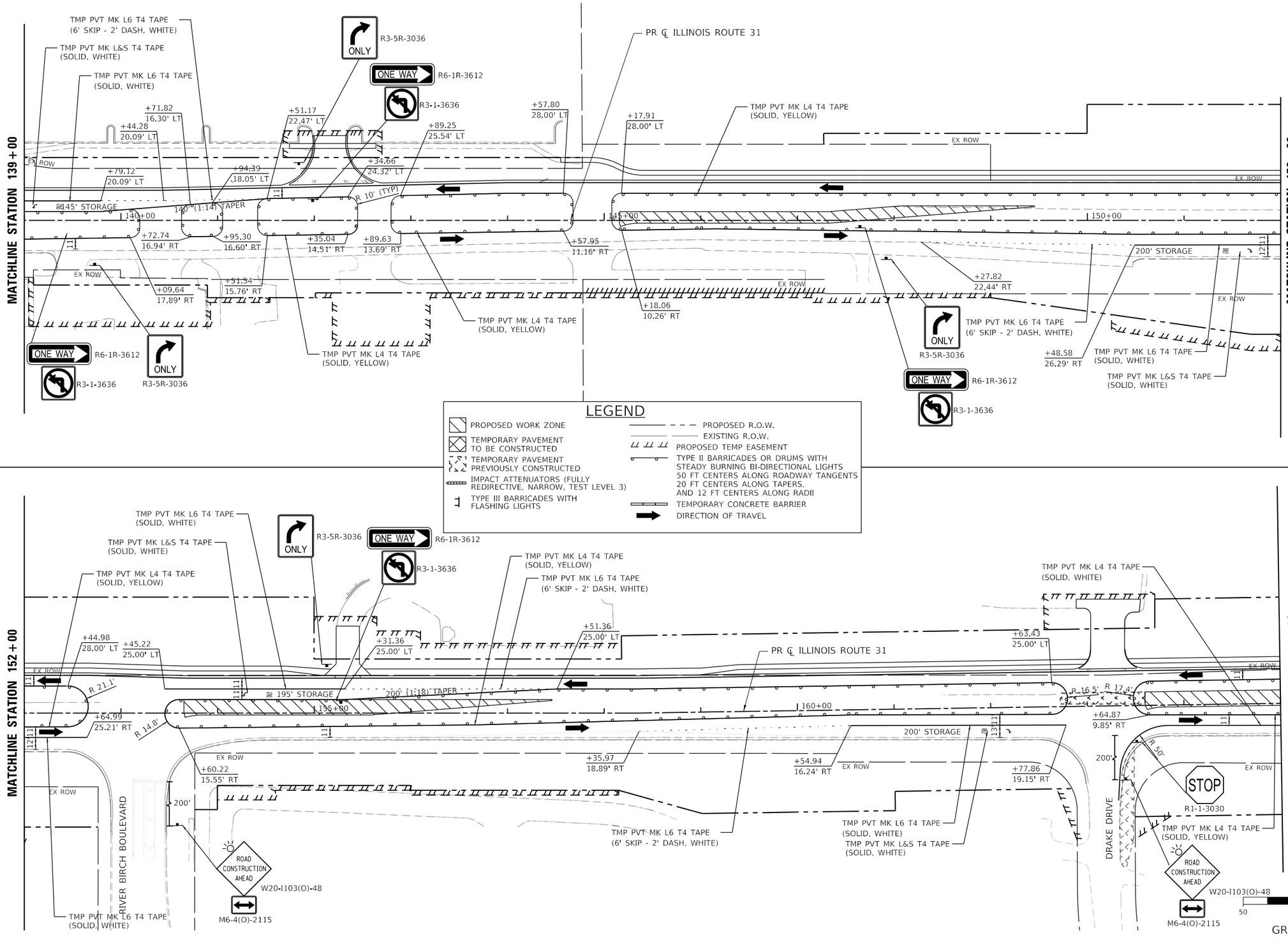

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

MODEL: Default
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PATRICK a RSR company

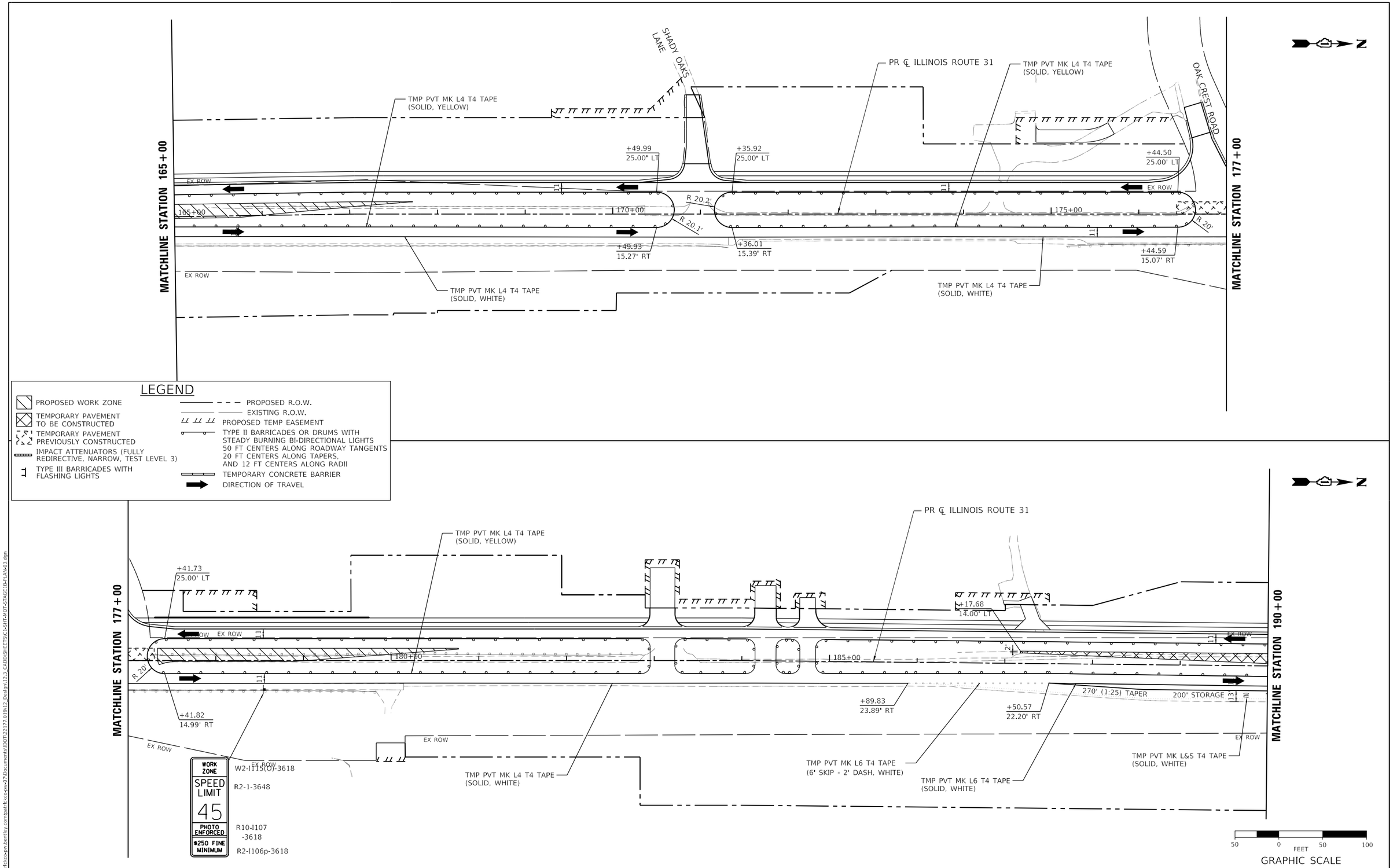
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 11 SHEETS | STA. 139+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	168
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



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PATRICK a RJR company

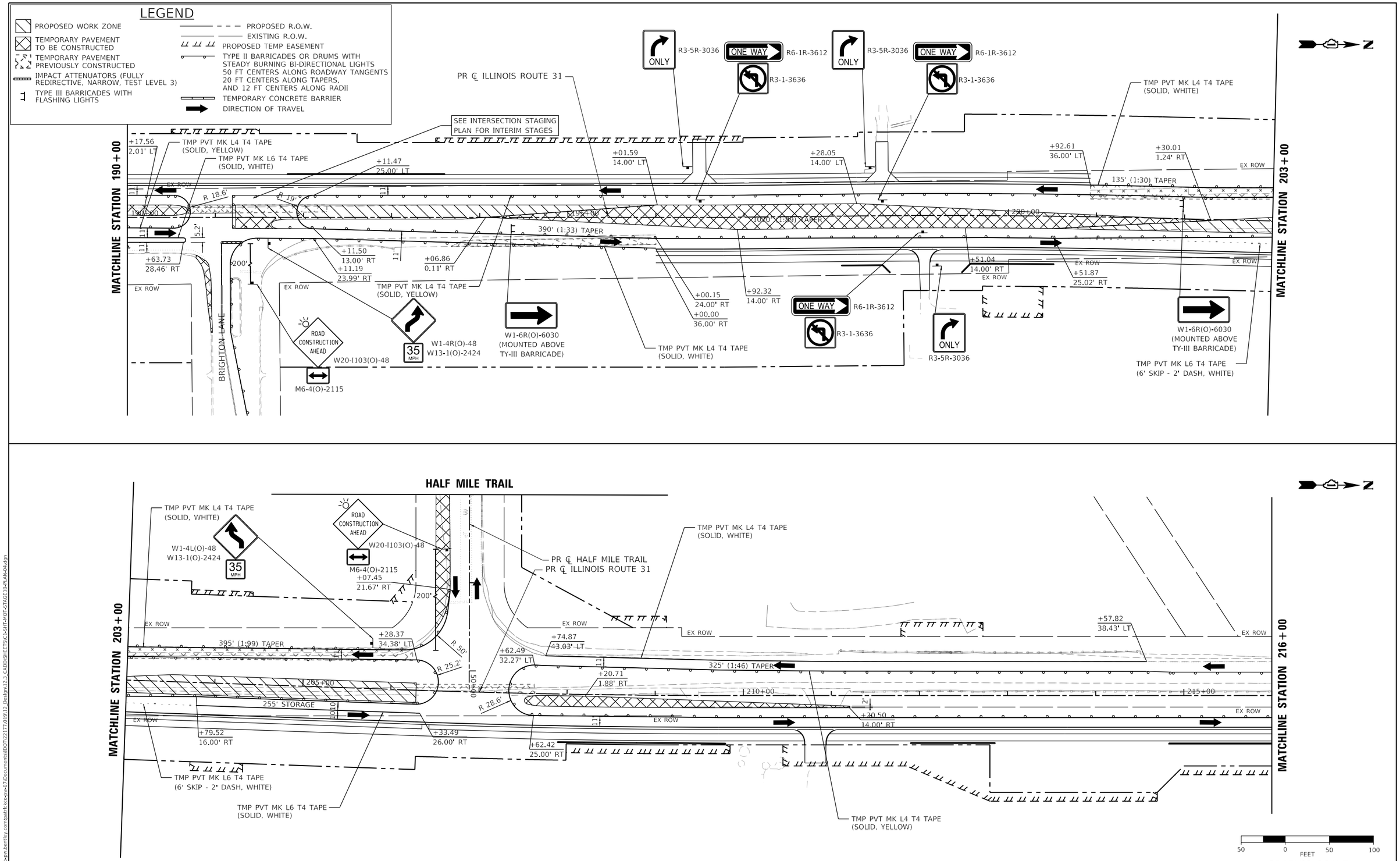
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 11 SHEETS | STA. 165+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	169
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN ILLINOIS ROUTE 31	
	DRAWN - ACN	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 4 OF 11 SHEETS STA. 190+00 TO STA. 216+00	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	170
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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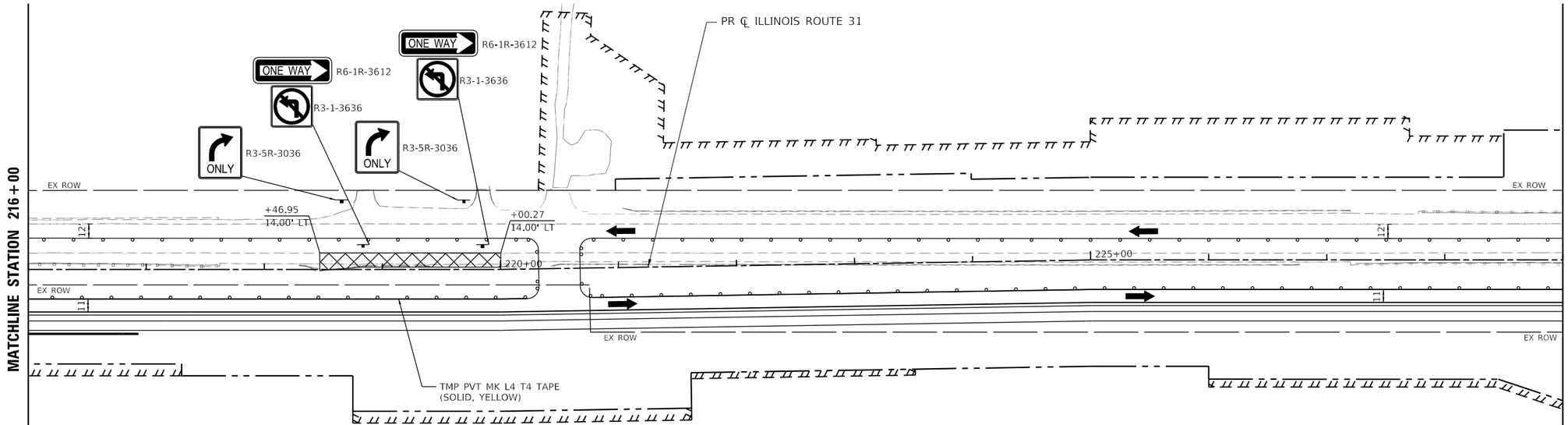
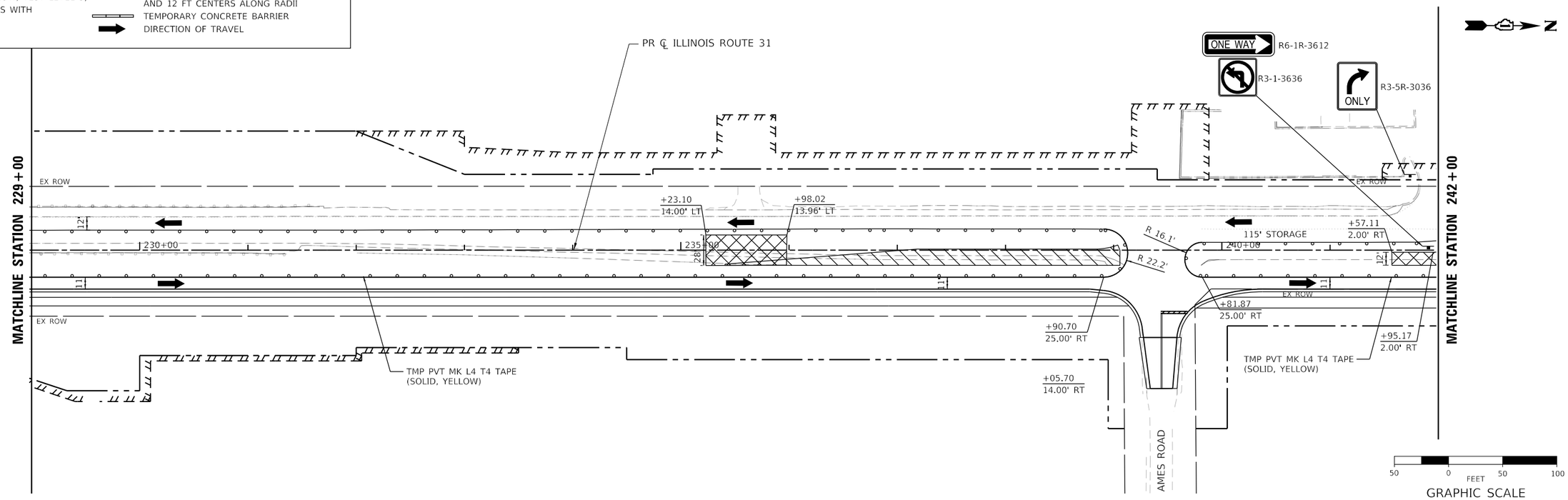


LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 11 SHEETS | STA. 216+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	171
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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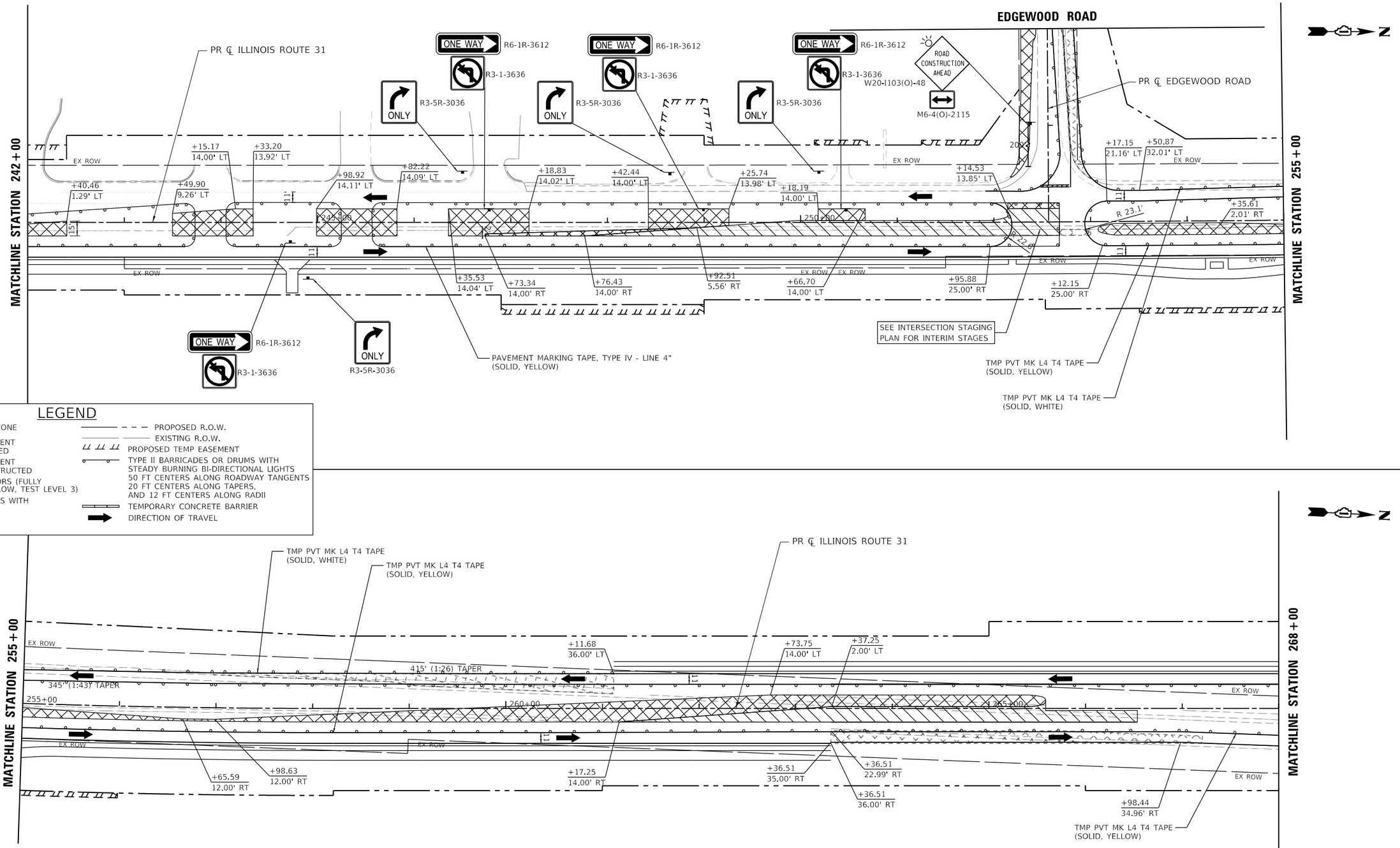

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

50 0 50 100
FEET
GRAPHIC SCALE

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PATRICK a Jacobs company

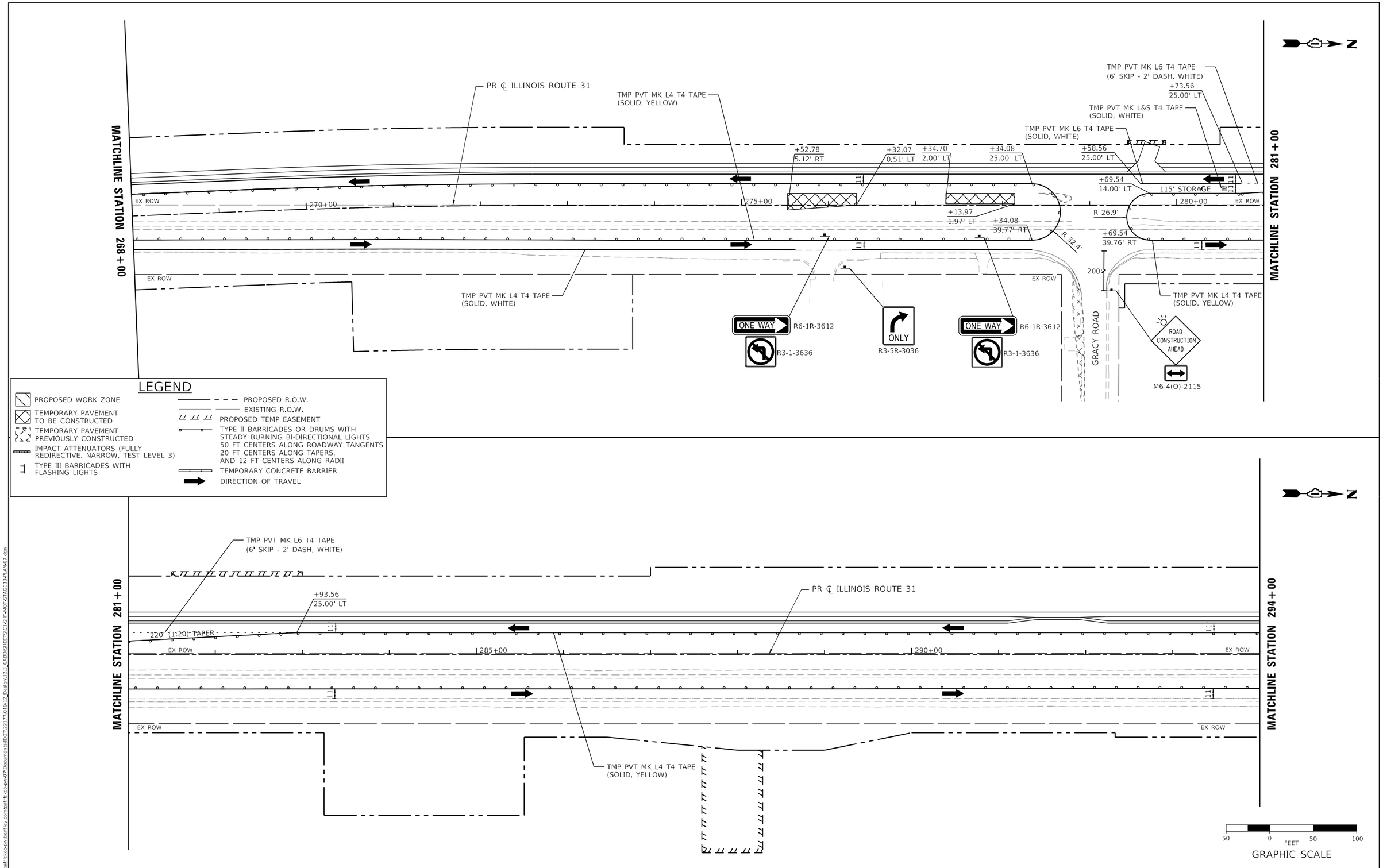
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 11 SHEETS | STA. 242+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	172
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

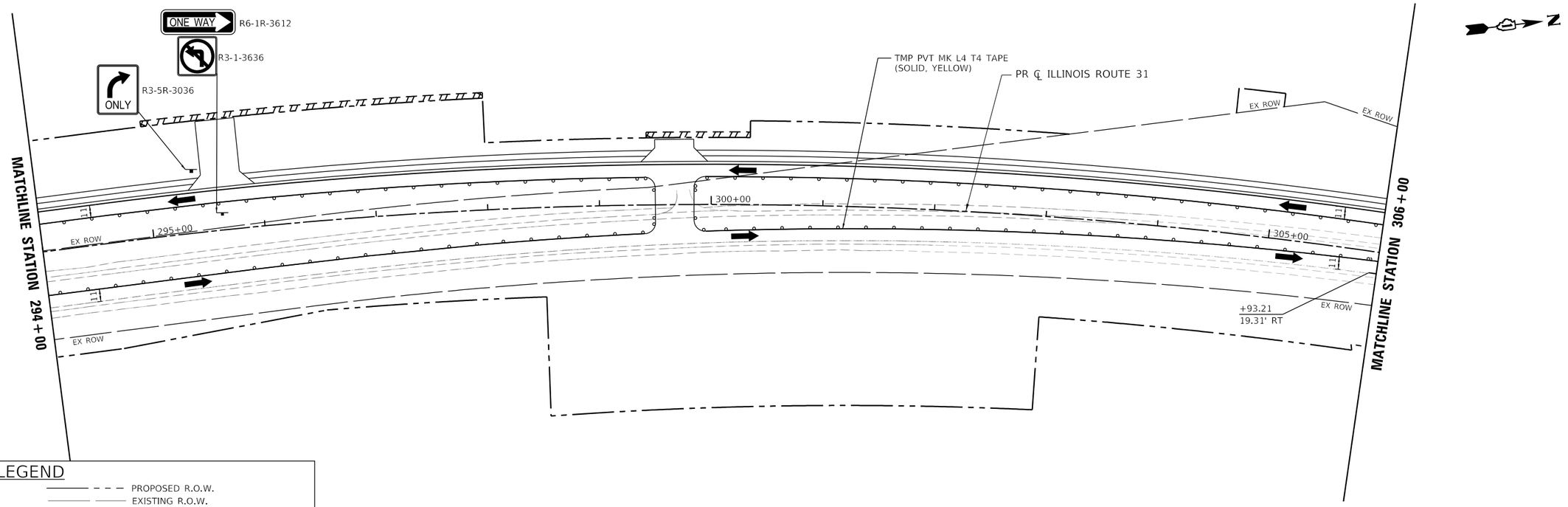
PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN
ILLINOIS ROUTE 31

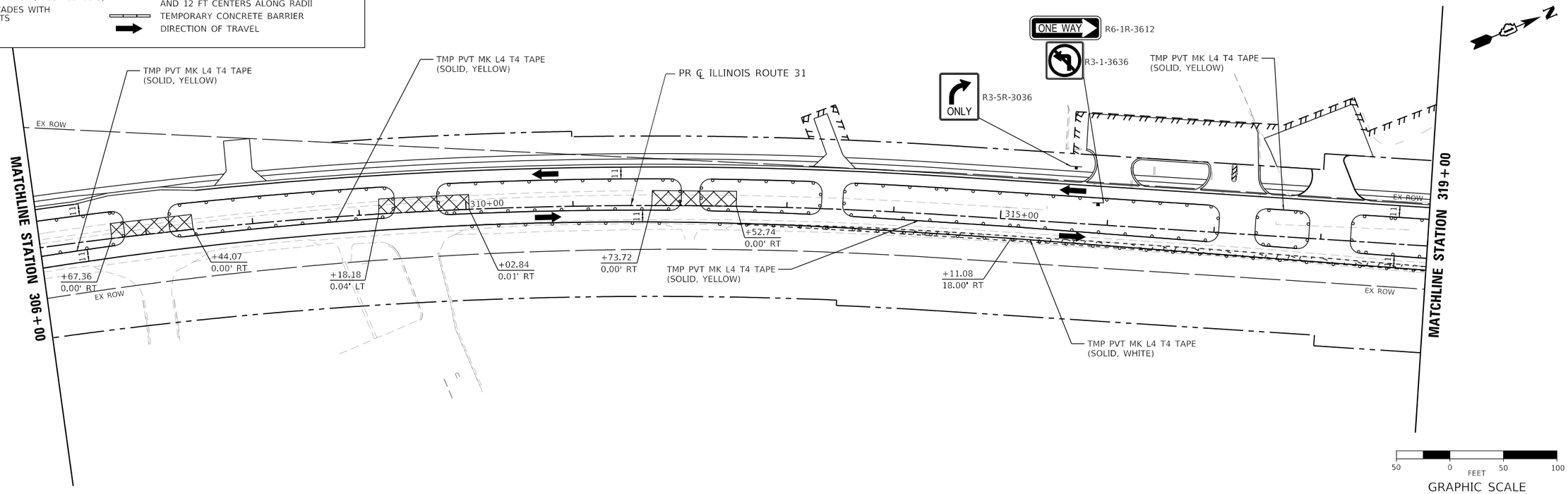
SCALE: 1"=50' | SHEET 7 OF 11 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	173
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 11 SHEETS | STA. 294+00 TO STA. 319+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	174
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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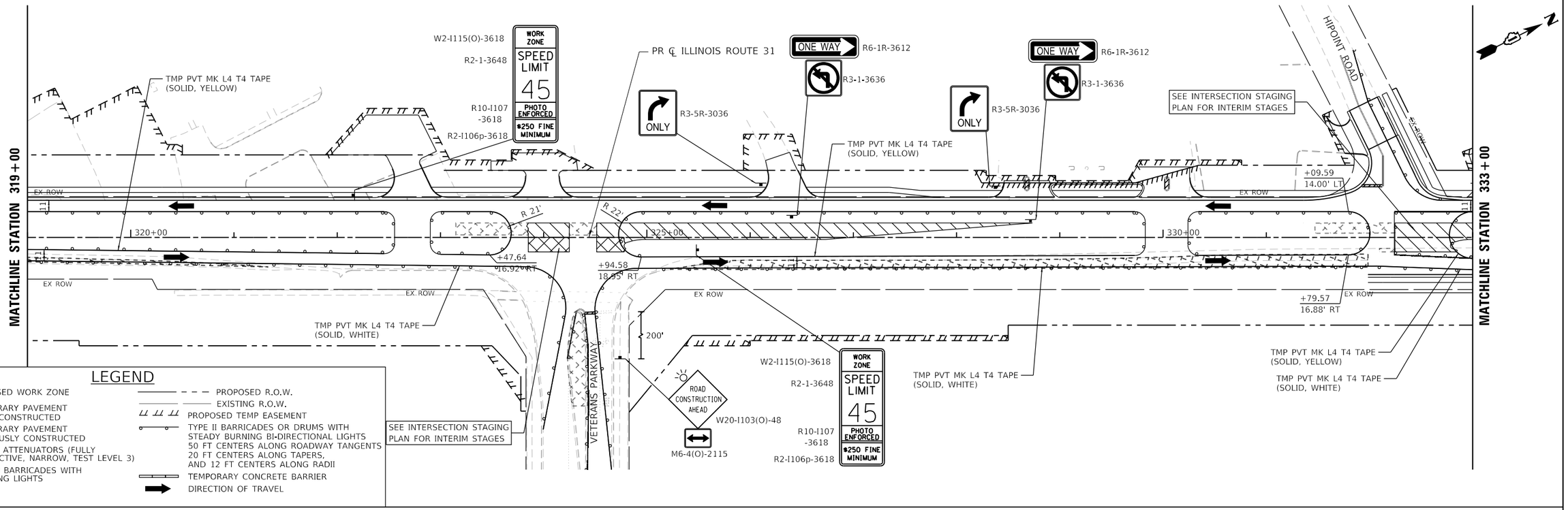

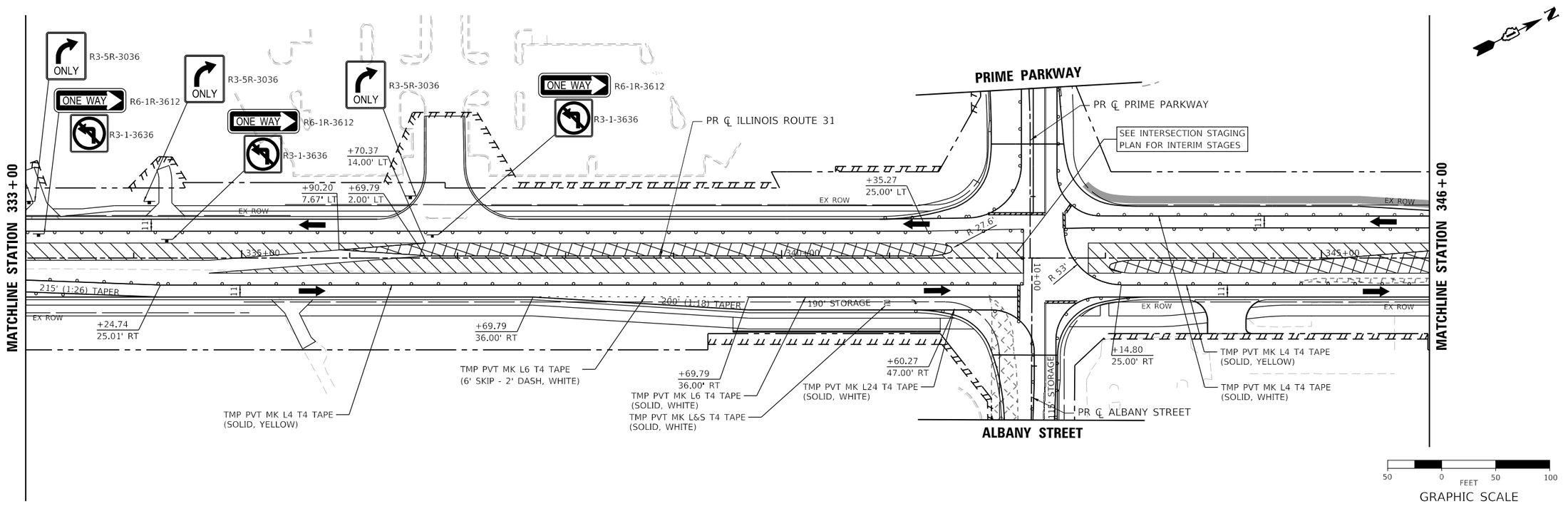

USER NAME = bwitort	DESIGNED - ACN	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN ILLINOIS ROUTE 31**	F.A. P RTE. 336A / SECTION 2019-196-W&R / COUNTY McHENRY / TOTAL SHEETS 835 / SHEET NO. 175
	DRAWN - ACN	REVISED -			CONTRACT NO. 62K69
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -		SCALE: 1"=50' / SHEET 9 OF 11 SHEETS / STA. 319+00 TO STA. 346+00	ILLINOIS / FED. AID PROJECT
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

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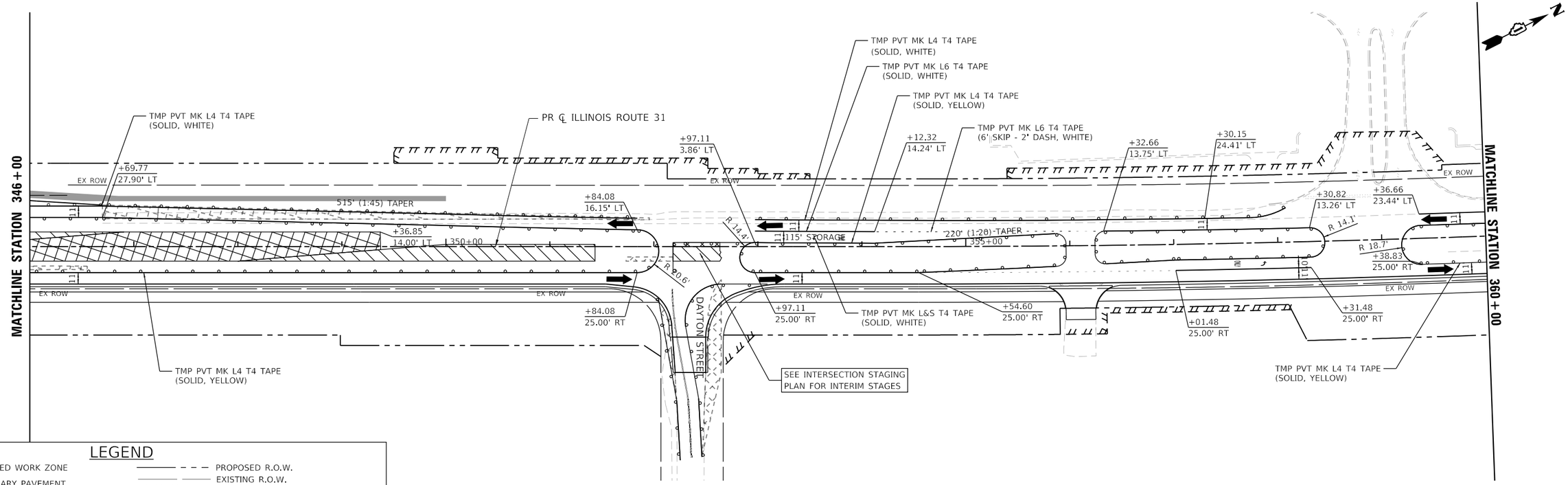
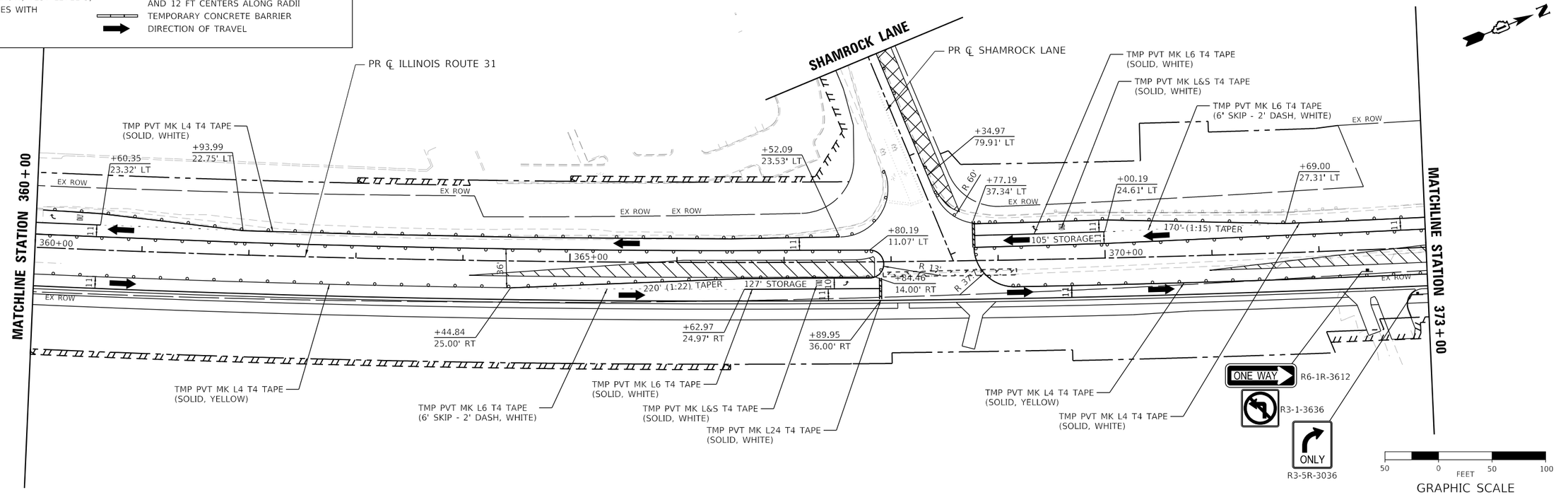


LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a Jacobs company

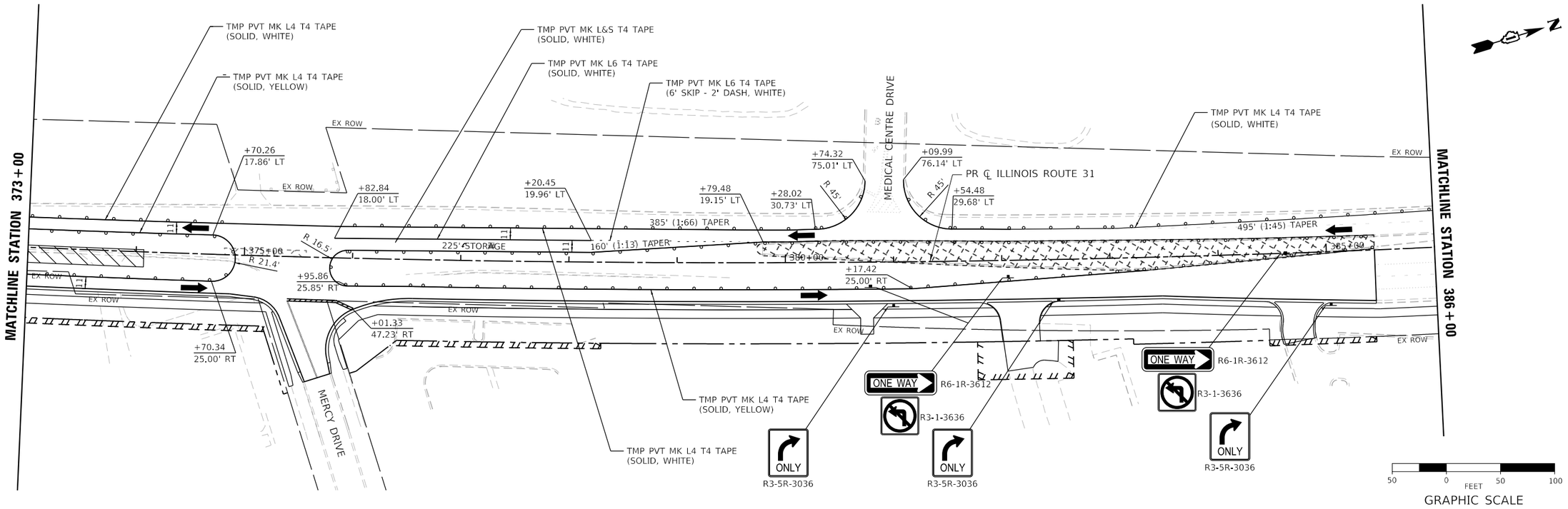
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

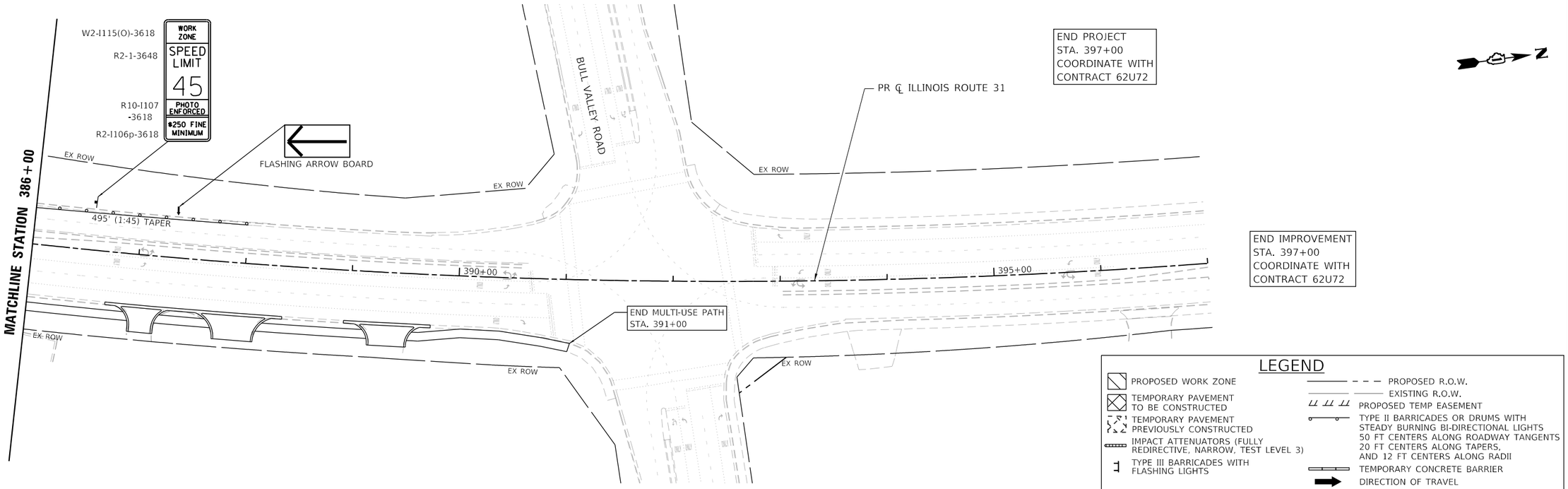
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 11 SHEETS | STA. 346+00 | TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	176
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

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PATRICK a RSR company

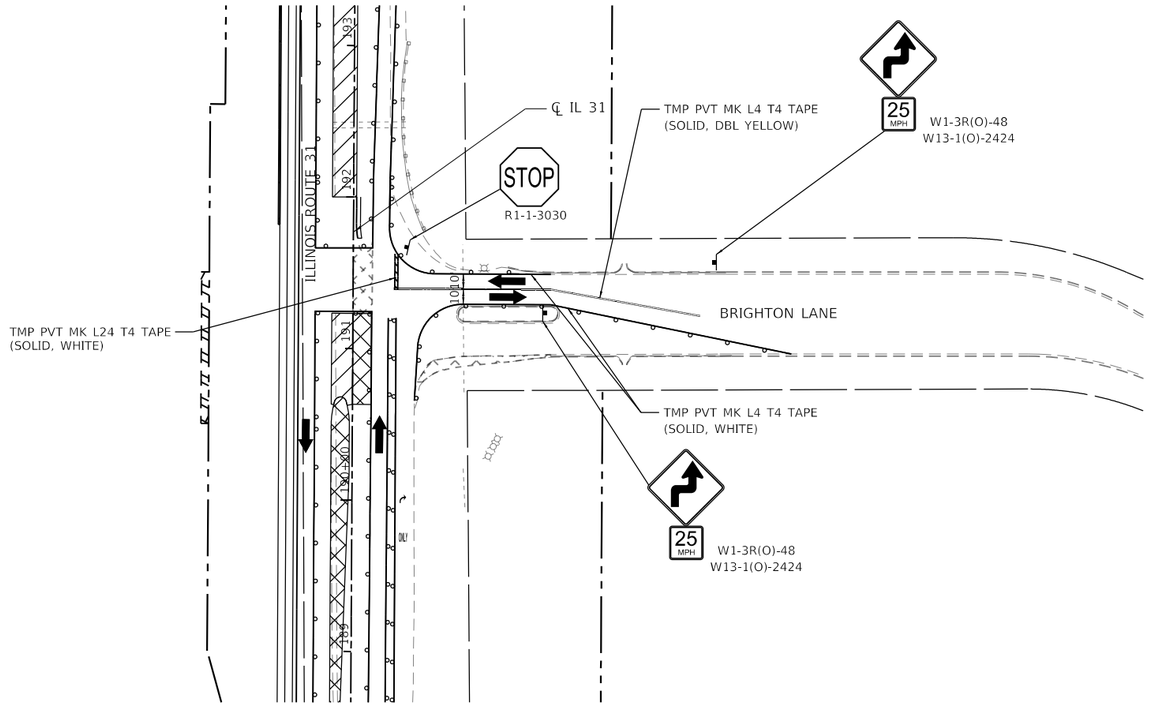
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 11 SHEETS | STA. 373+00 TO STA. 397+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	177
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

BRIGHTON LANE - INTERSECTION SUB-STAGE 1A

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PATRICK a RJR company

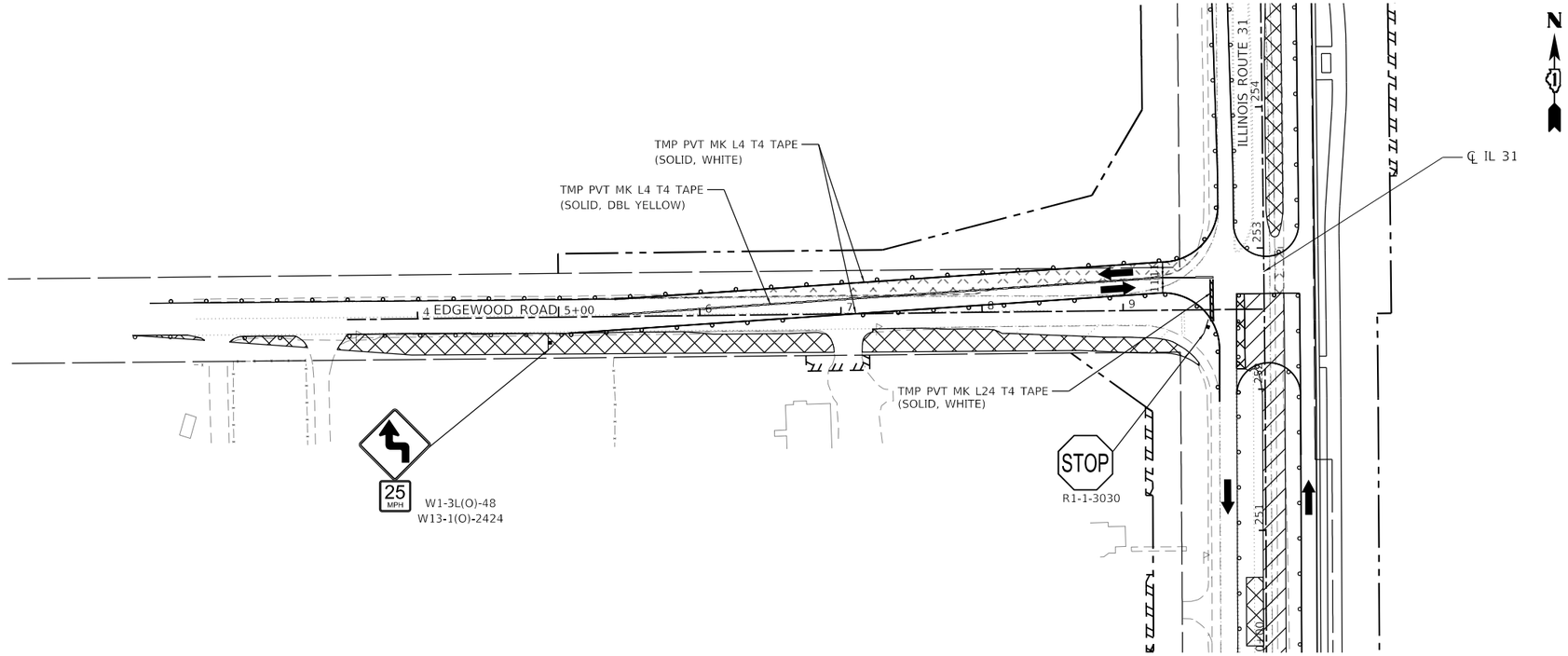
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B INTERSECTION PLAN
BRIGHTON LANE

SCALE: 1"=50' | SHEET 1 OF 6 SHEETS | STA. | TO STA.

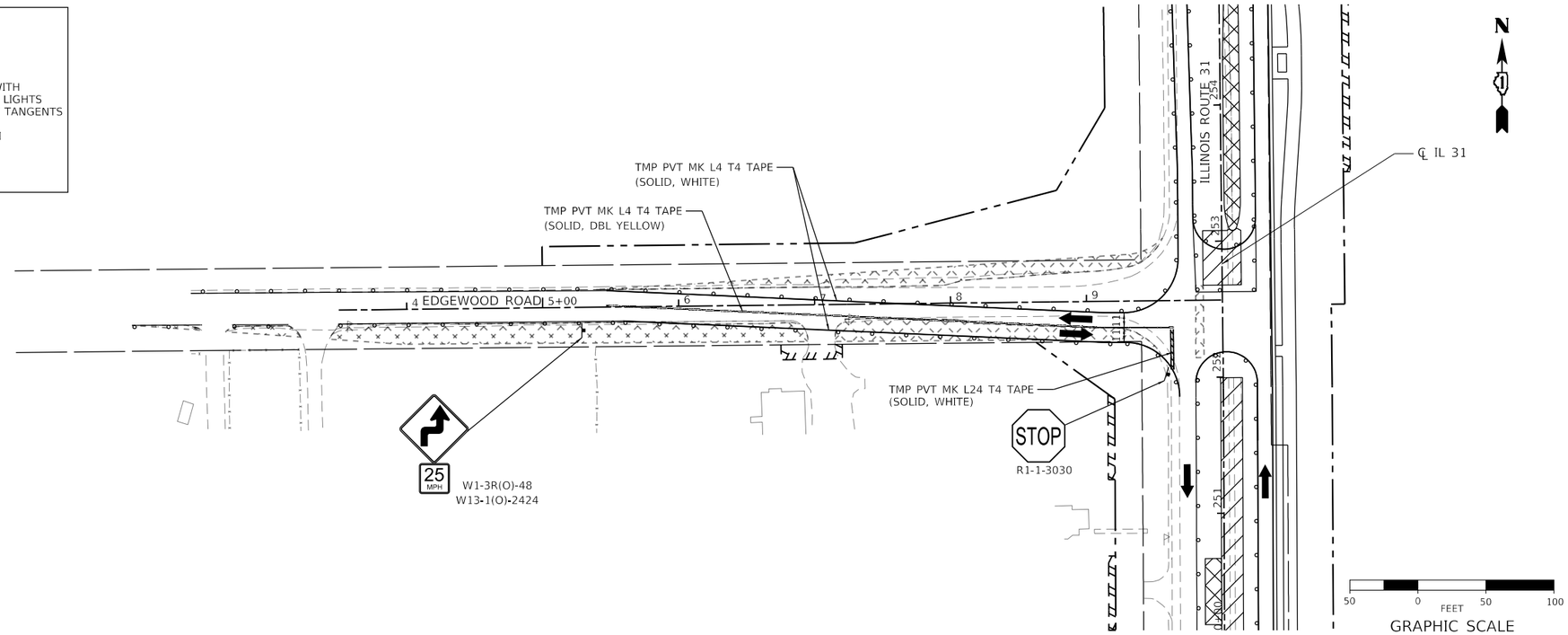
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	178
		CONTRACT NO.	62K69	
	ILLINOIS FED. AID PROJECT			



EDGEWOOD ROAD - INTERSECTION SUB-STAGE 1A

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



EDGEWOOD ROAD - INTERSECTION SUB-STAGE 1B

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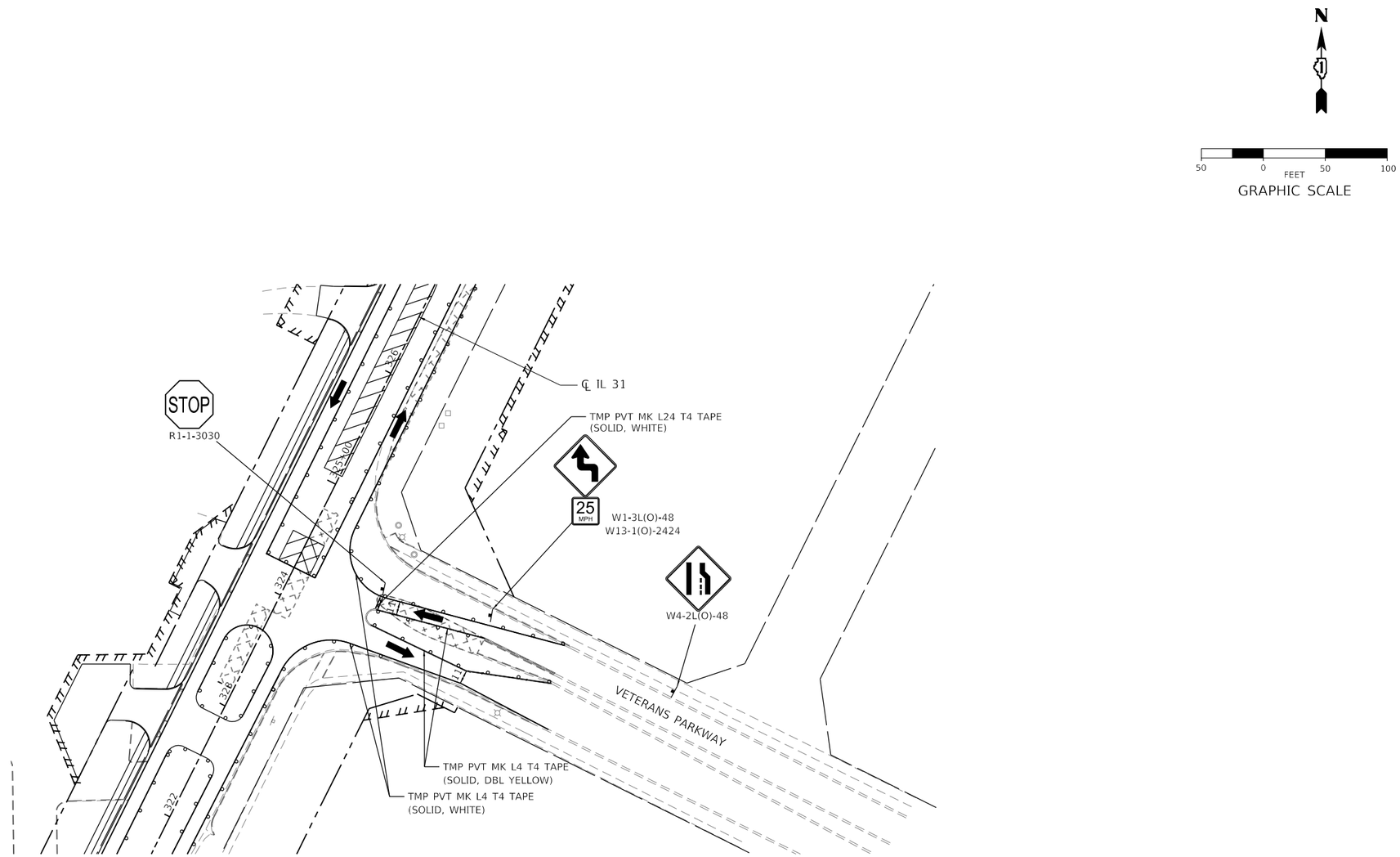
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - ACN	REVISED -
		DRAWN - ACN	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B INTERSECTION PLAN
EDGEWOOD ROAD

SCALE: 1"=50' | SHEET 2 OF 6 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	179
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

VETERANS PARKWAY - INTERSECTION SUB-STAGE 1A

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PATRICK a RAJA company

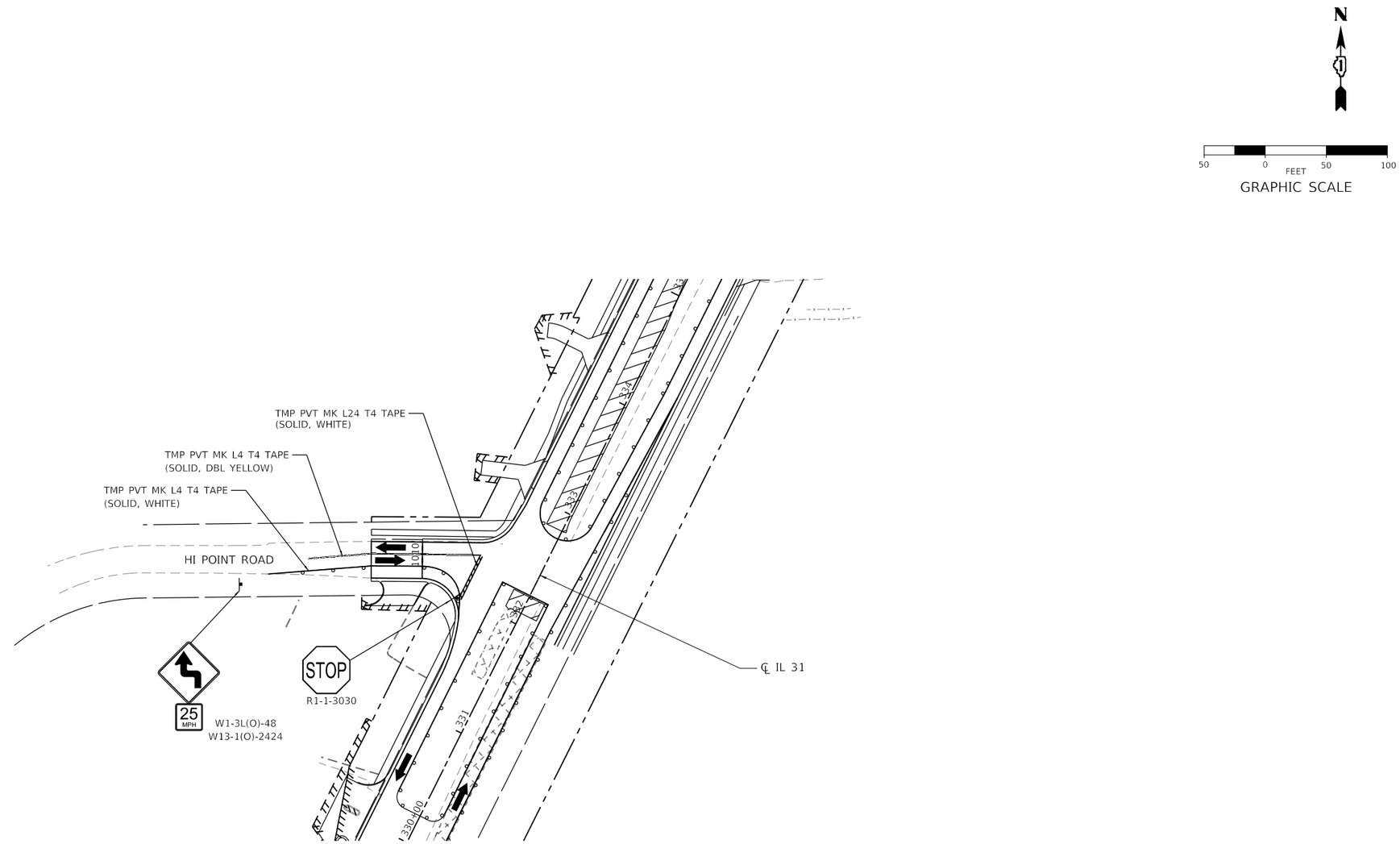
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B INTERSECTION PLAN
VETERANS PARKWAY

SCALE: 1"=50' | SHEET 3 OF 6 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	180
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

HI POINT ROAD - INTERSECTION SUB-STAGE 1A

MODEL: Default
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PATRICK a RJR company

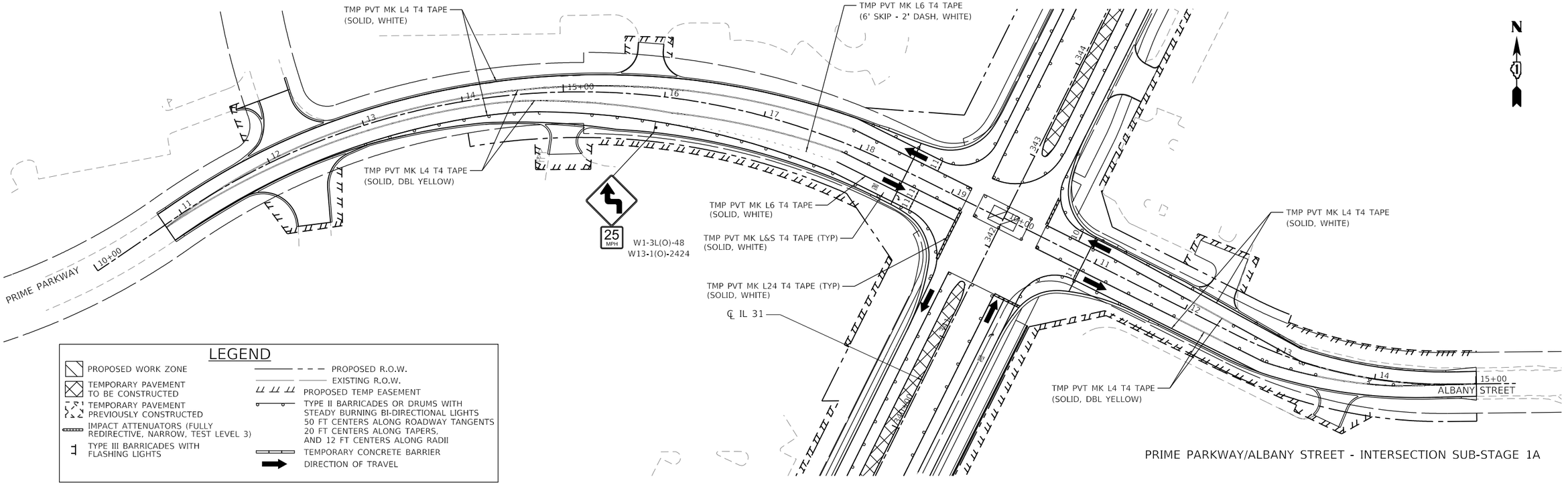
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

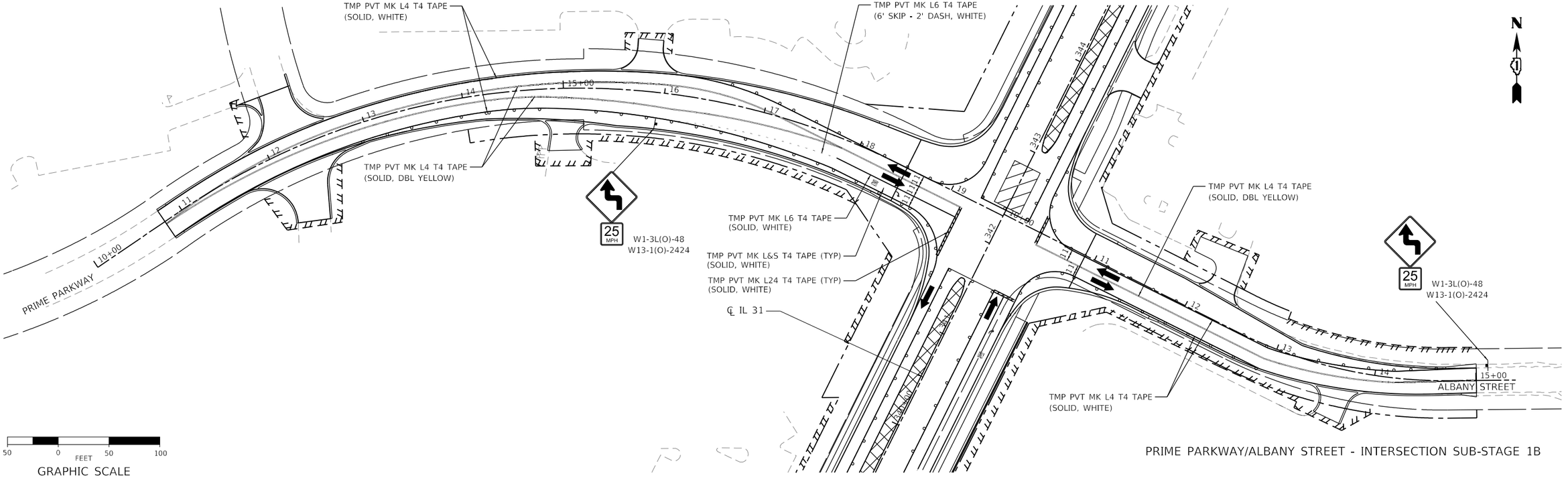
SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B INTERSECTION PLAN
HI POINT ROAD

SCALE: 1"=50' | SHEET 4 OF 6 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	181
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PRIME PARKWAY/ALBANY STREET - INTERSECTION SUB-STAGE 1A



PRIME PARKWAY/ALBANY STREET - INTERSECTION SUB-STAGE 1B

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PATRICK a RJR company

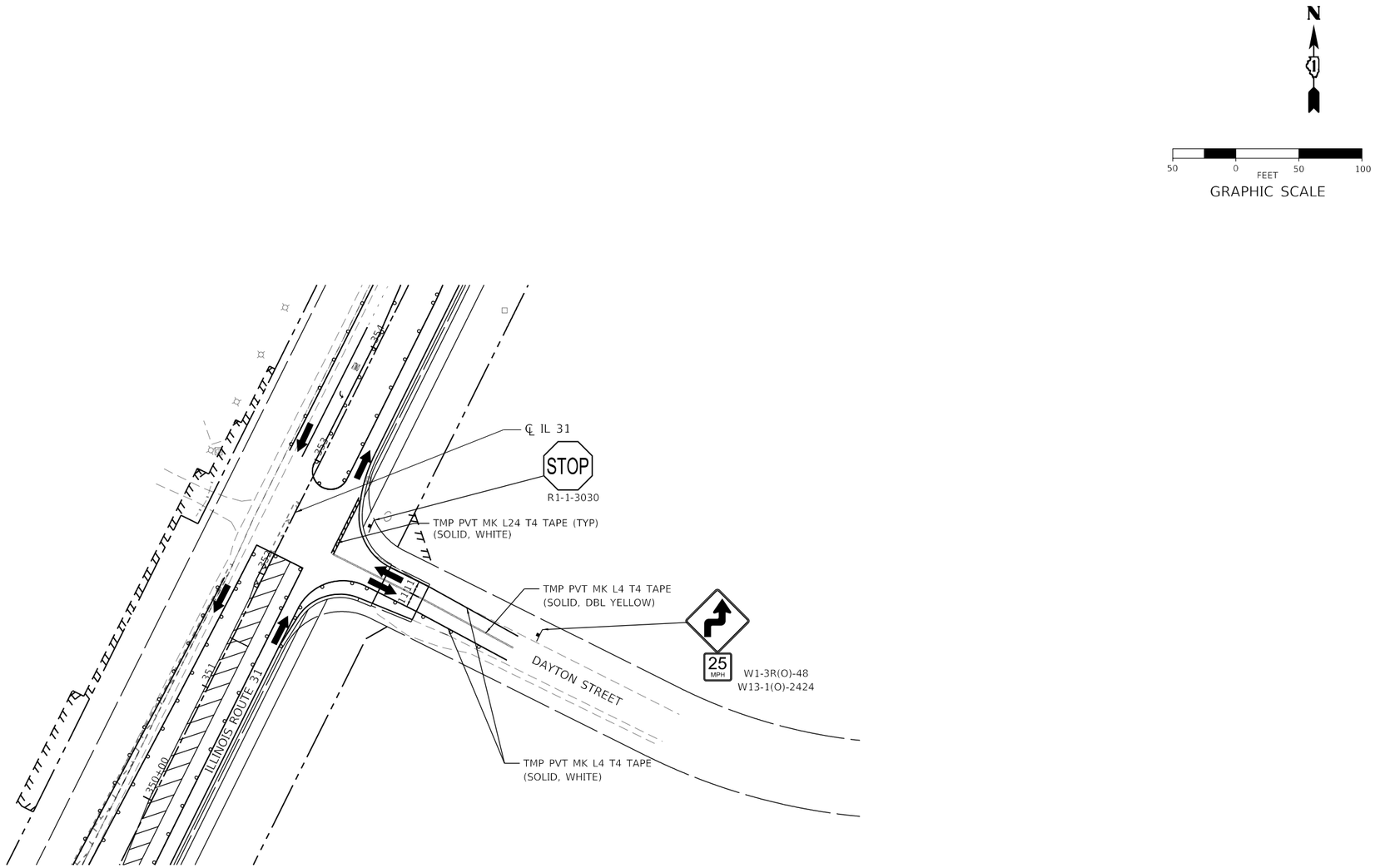
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B INTERSECTION PLAN
PRIME PARKWAY/ALBANY STREET

SCALE: 1"=50' | SHEET 5 OF 6 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	182
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

DAYTON STREET - INTERSECTION SUB-STAGE 1A

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PATRICK a Rojo company

USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

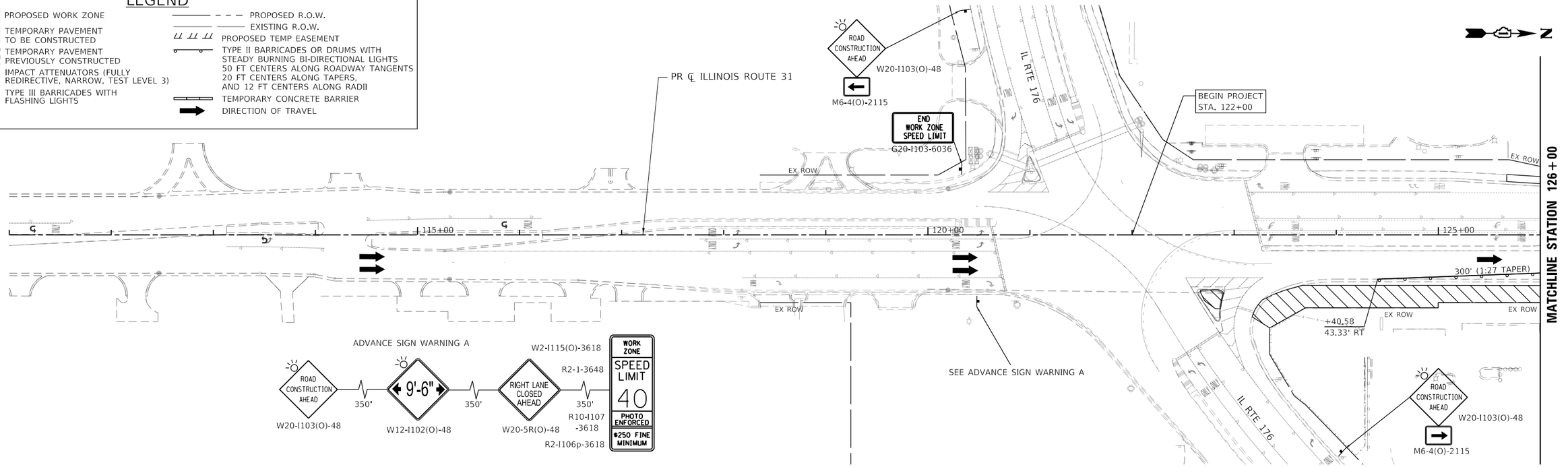
SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1B INTERSECTION PLAN
DAYTON STREET

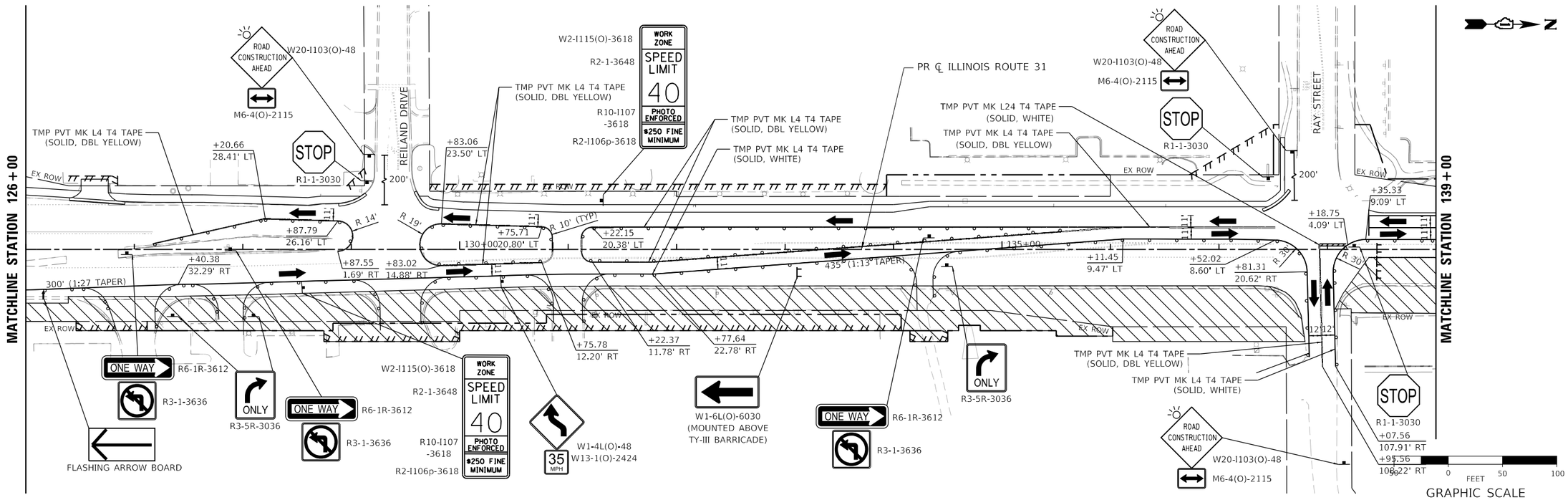
SCALE: 1"=50' | SHEET 6 OF 6 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	183
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL





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PATRICK a WSP company

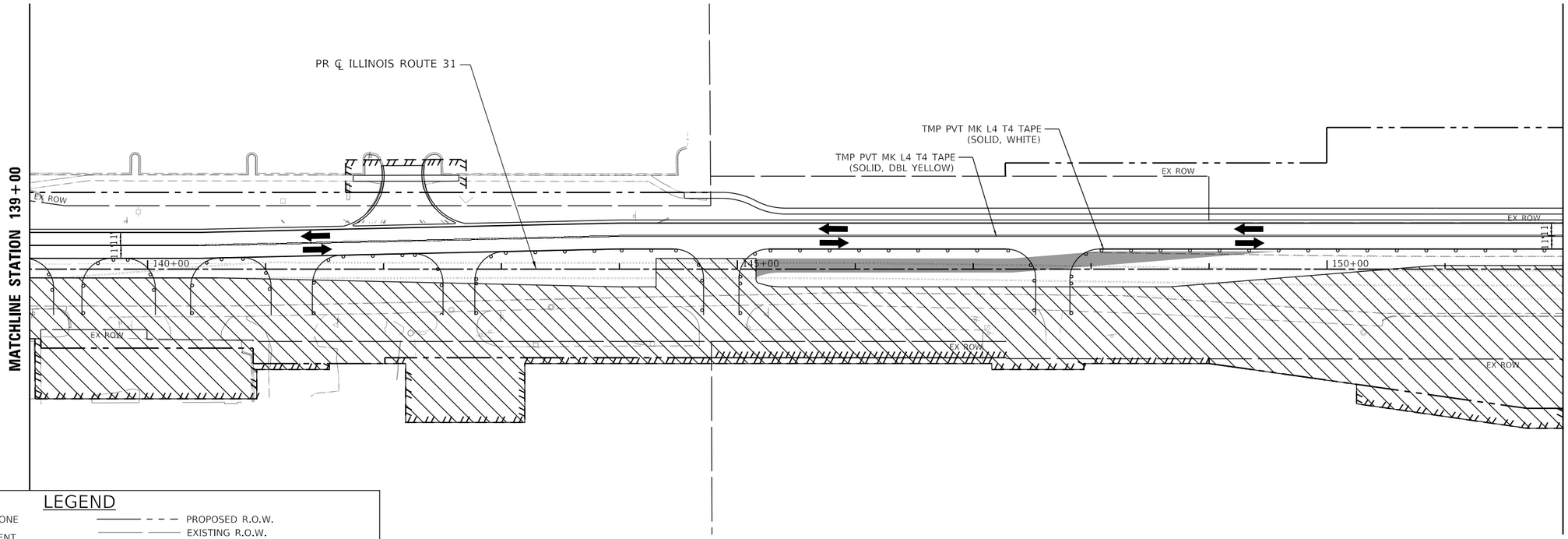
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

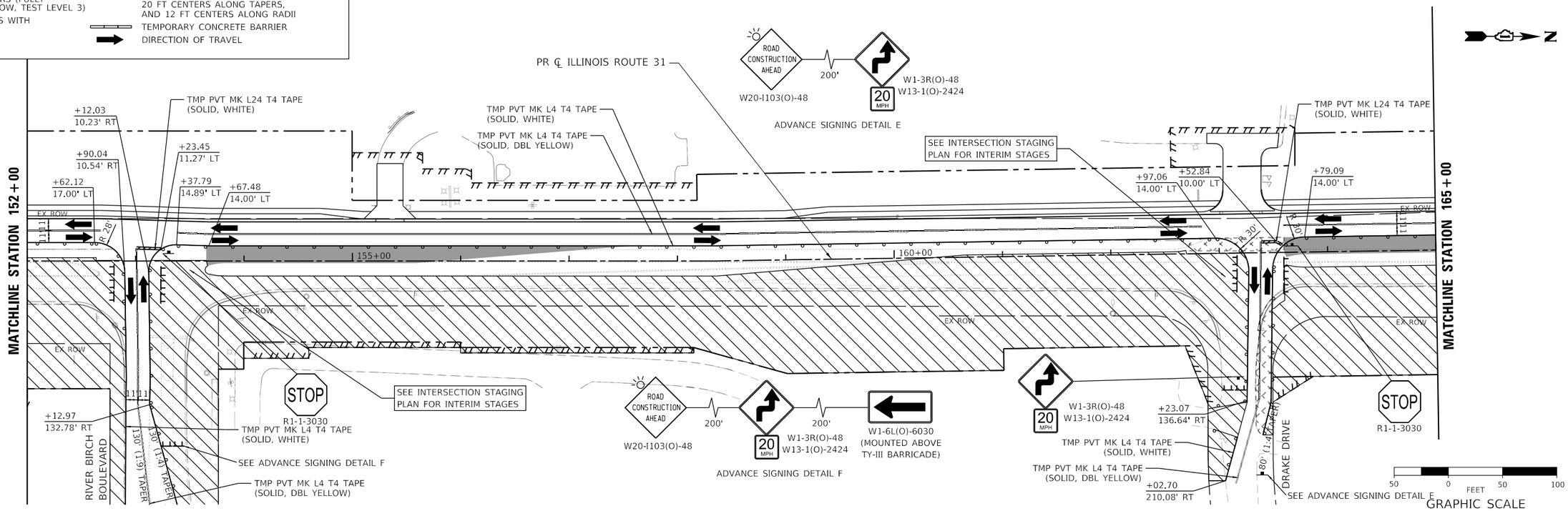
SCALE: 1"=50' | SHEET 1 OF 11 SHEETS | STA. 120+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	184
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 11 SHEETS | STA. 139+00 TO STA. 165+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	185
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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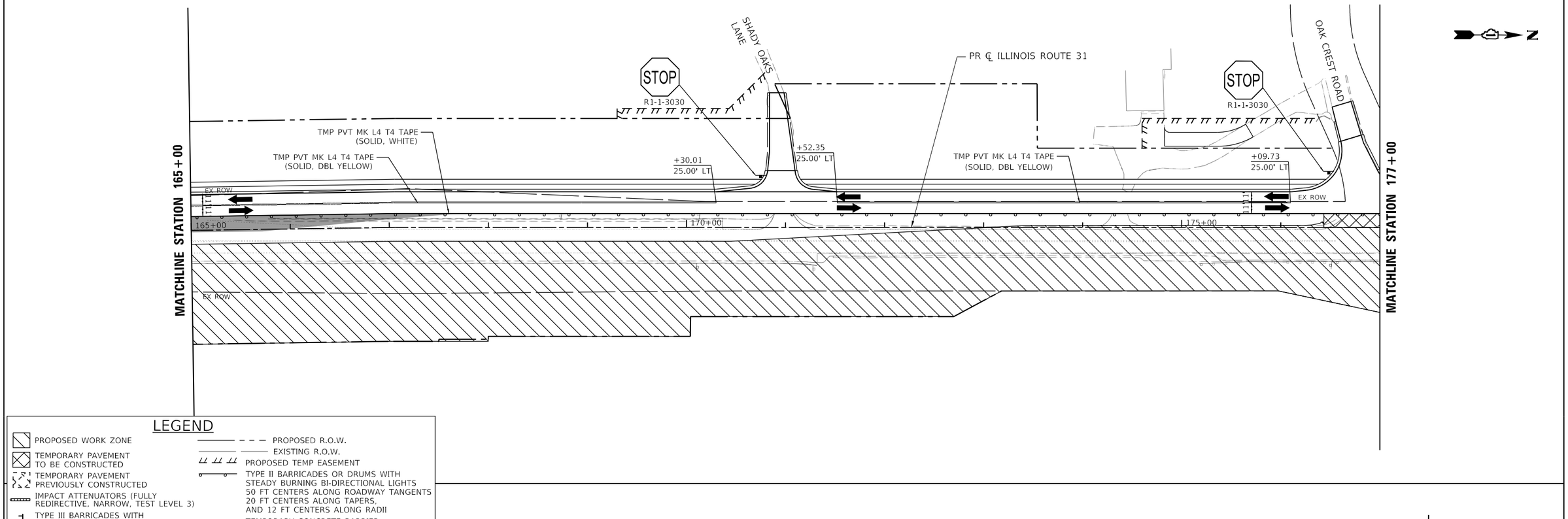
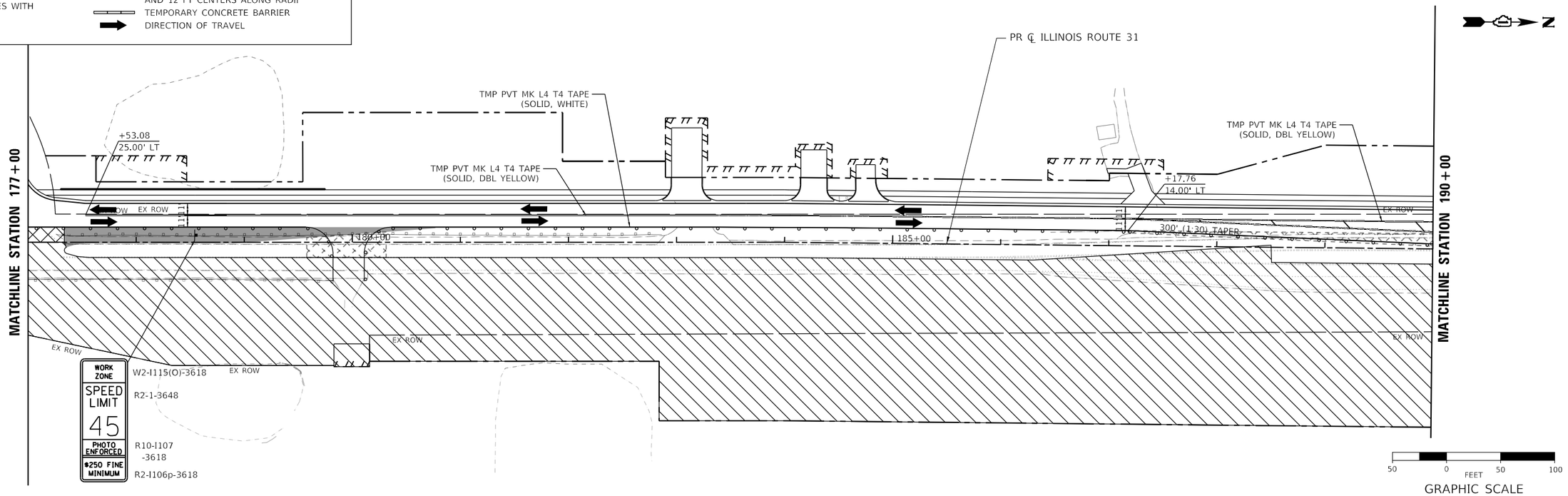


LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 11 SHEETS | STA. 165+00 | TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	186
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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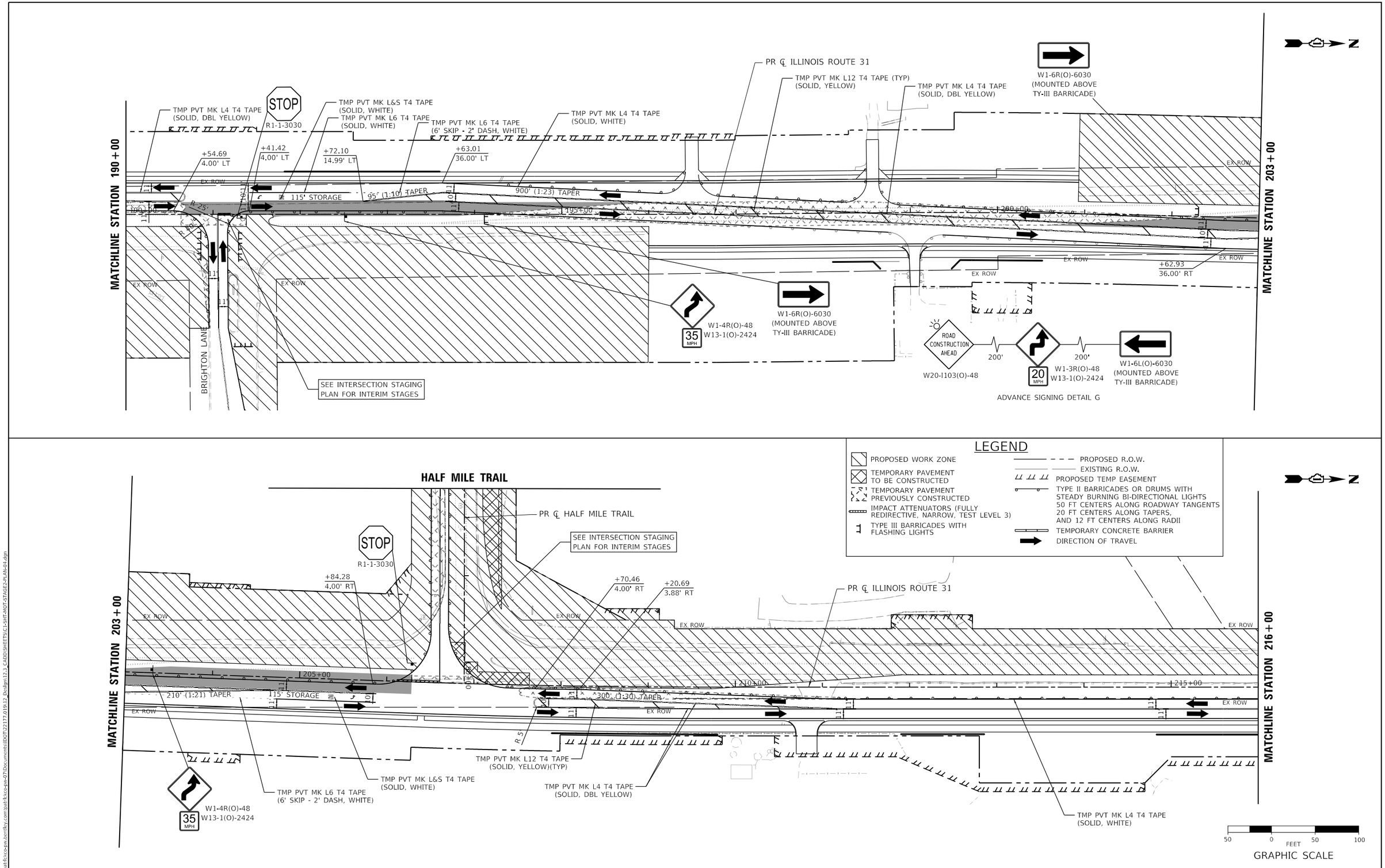

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PATRICK a RJR company

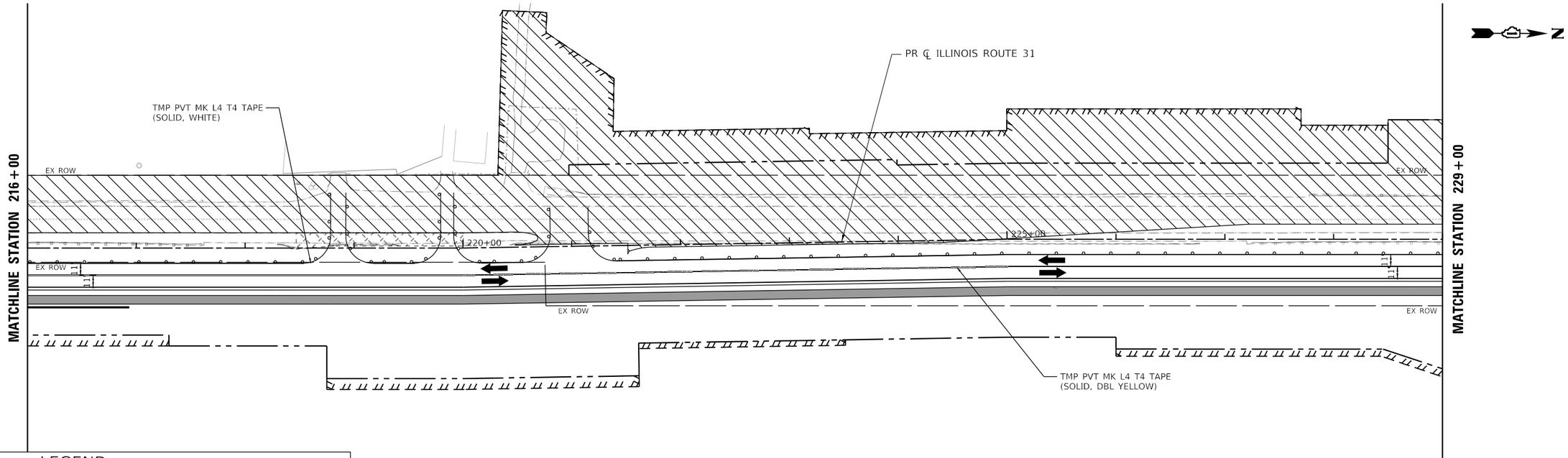
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

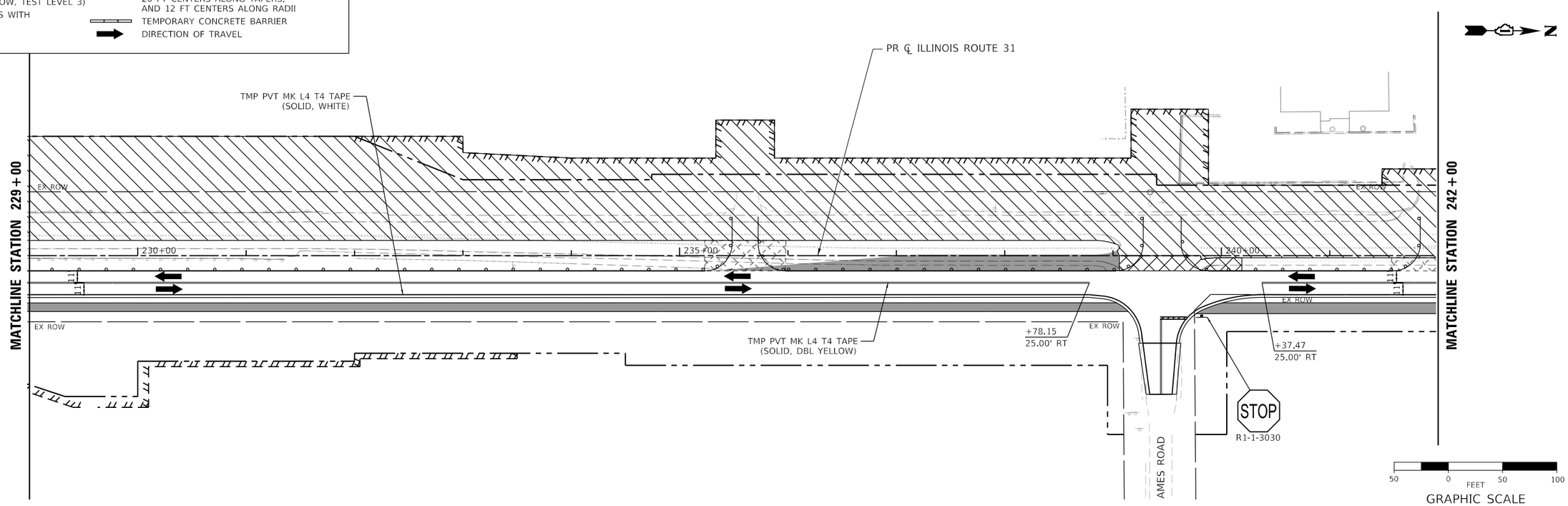
SCALE: 1"=50' | SHEET 4 OF 11 SHEETS | STA. 190+00 TO STA. 216+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	187
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a RSR company

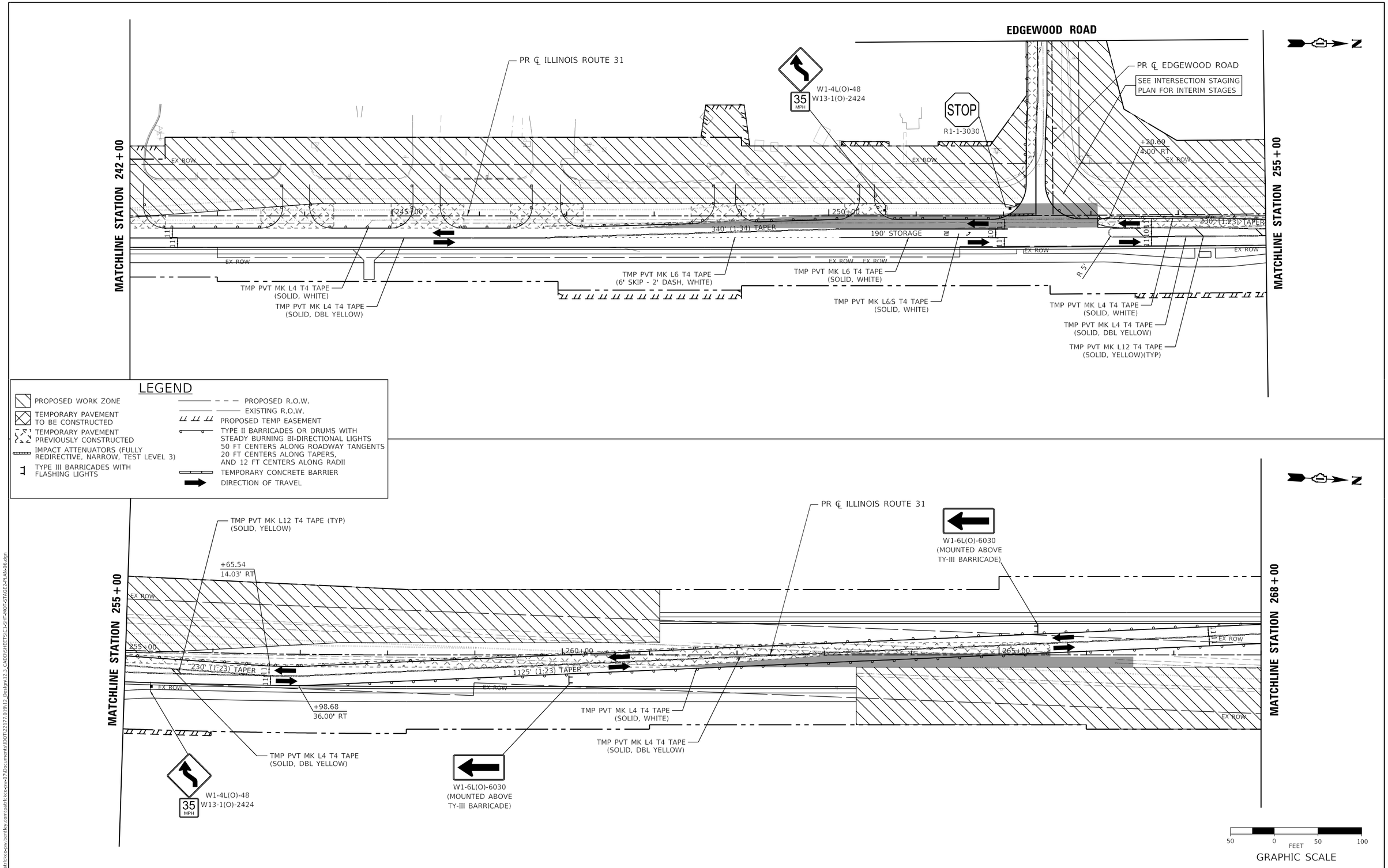
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 11 SHEETS | STA. 216+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	188
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PATRICK a RJR company

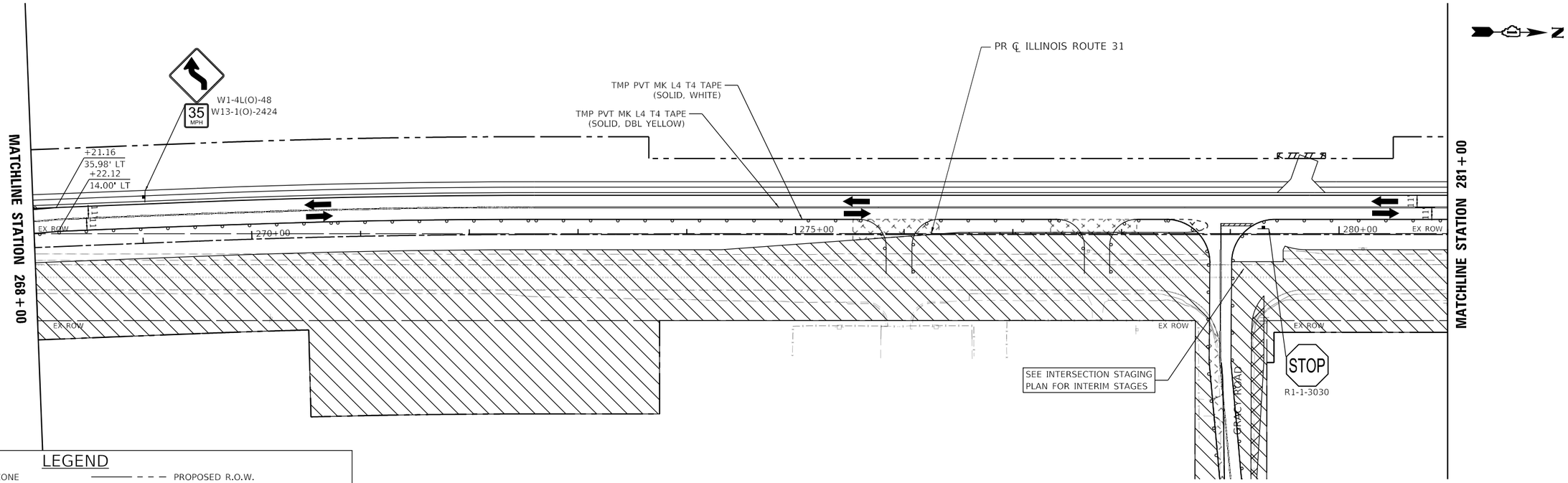
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

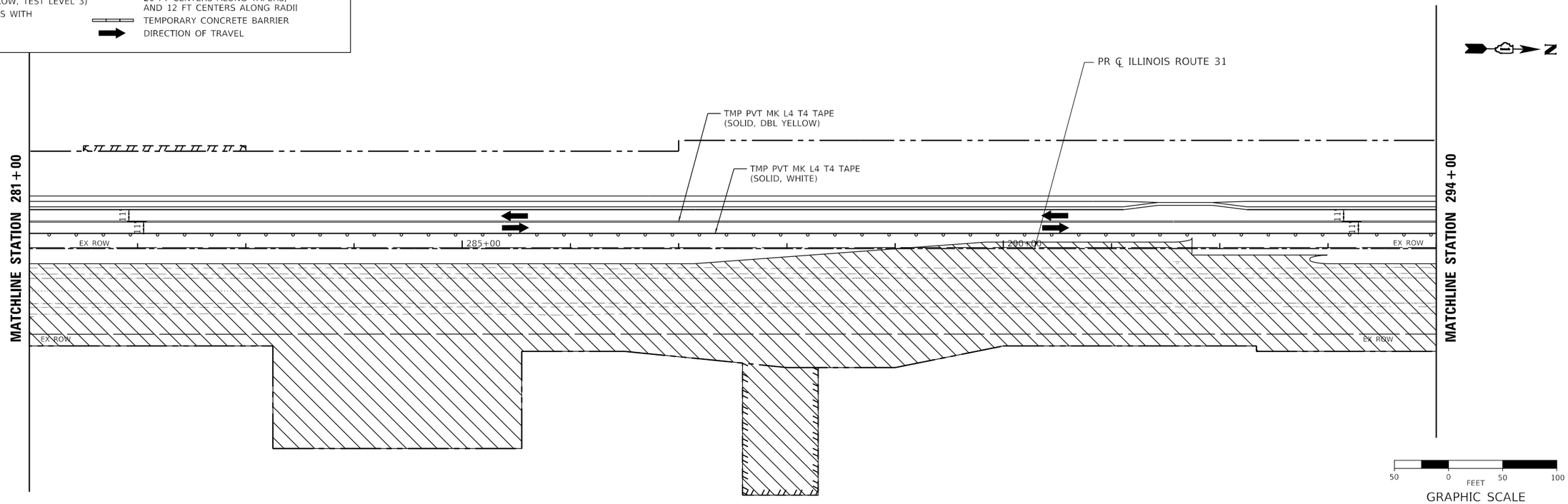
SCALE: 1"=50' | SHEET 6 OF 11 SHEETS | STA. 242+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	189
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 11 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	190
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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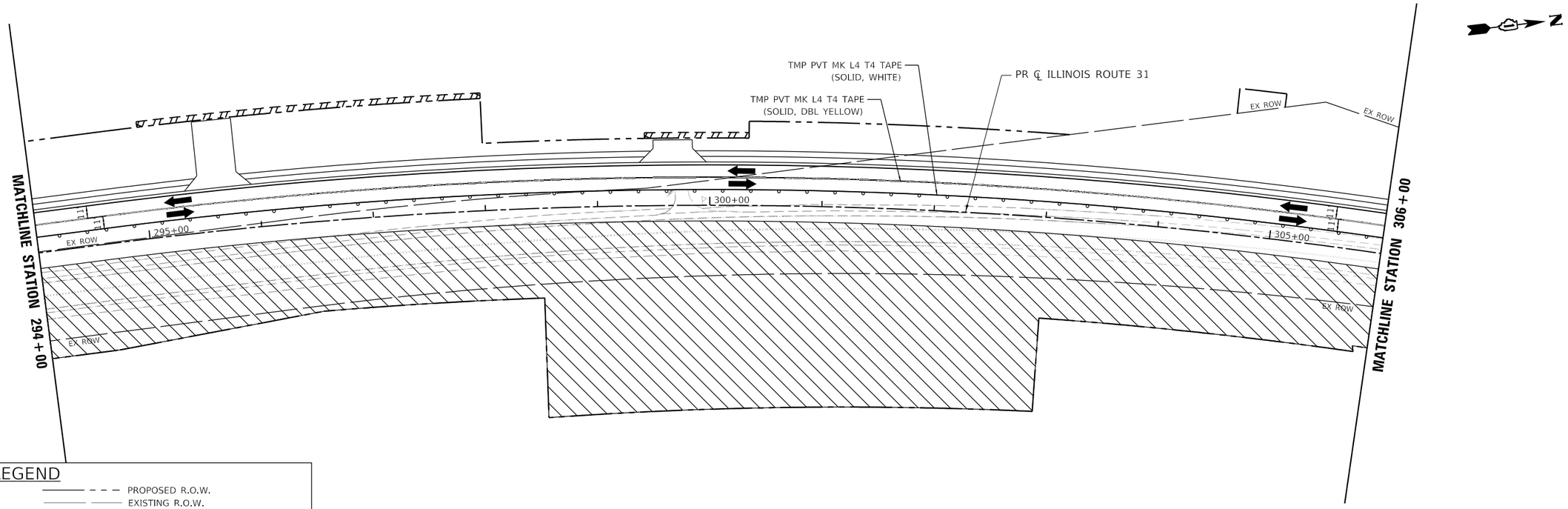
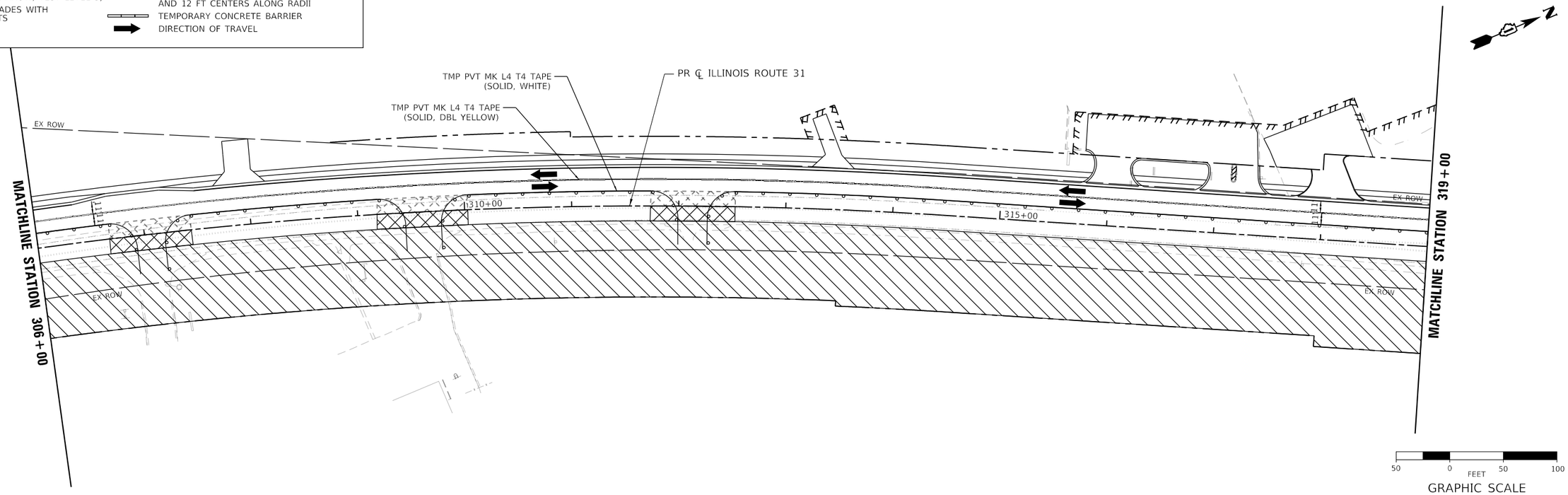


LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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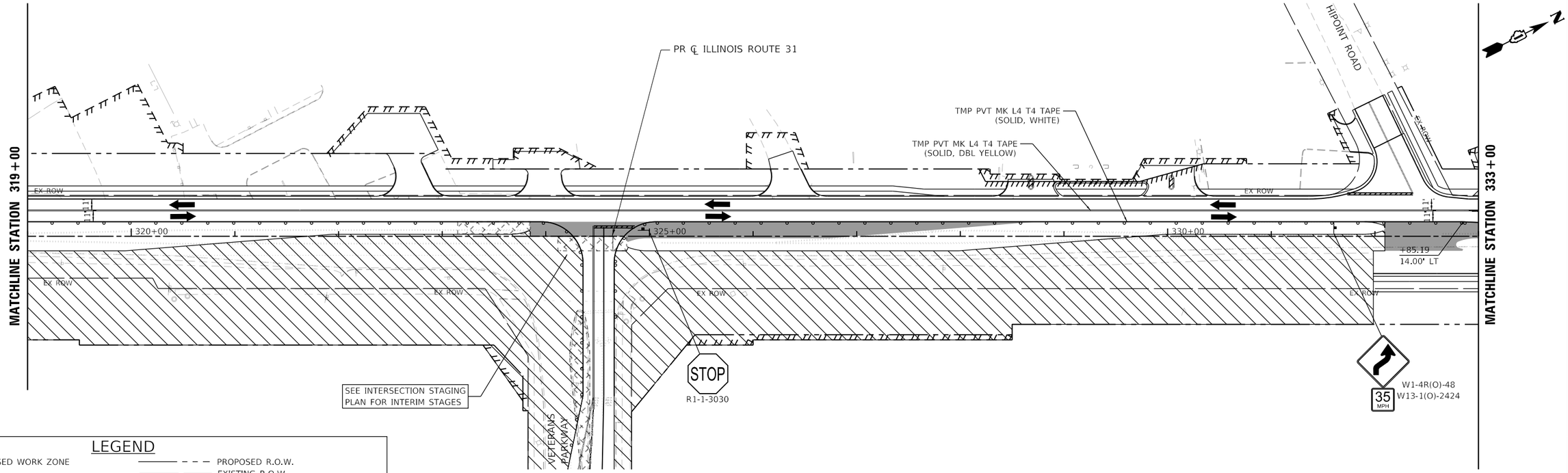
PATRICK a AECOM company

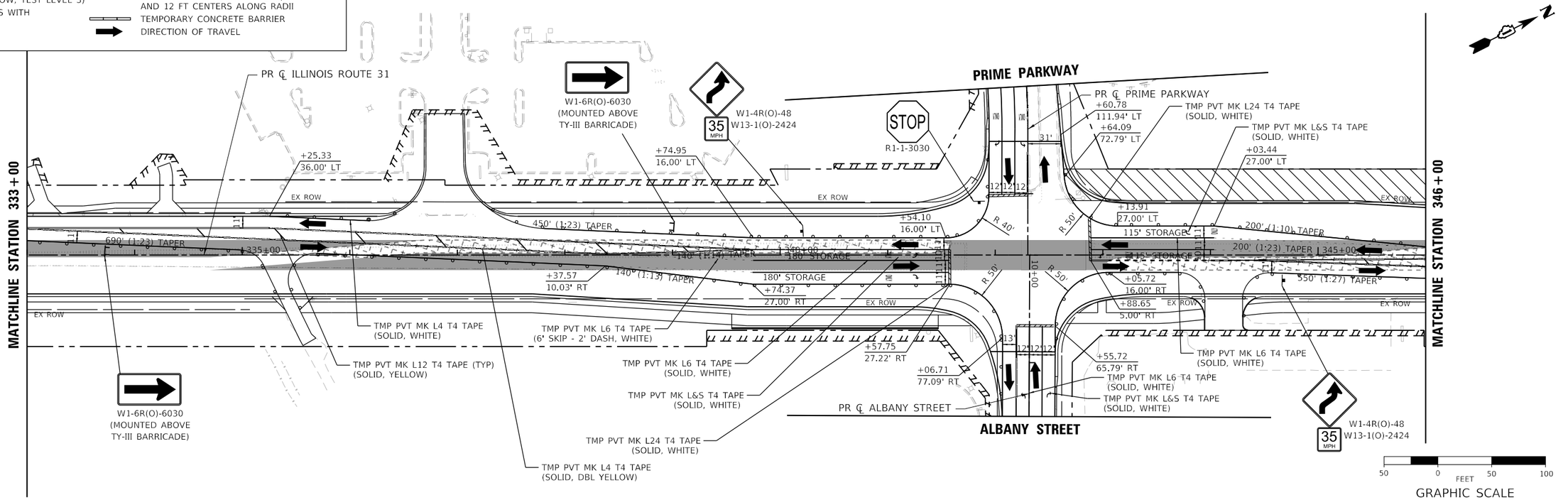
USER NAME = bwitort	DESIGNED - ACN	REVISED -	**STATE OF ILLINOIS**	**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN**	
	DRAWN - ACN	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -		SCALE: 1"=50' | SHEET 8 OF 11 SHEETS | STA. 294+00 TO STA. 319+00	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	191
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a Jacobs company

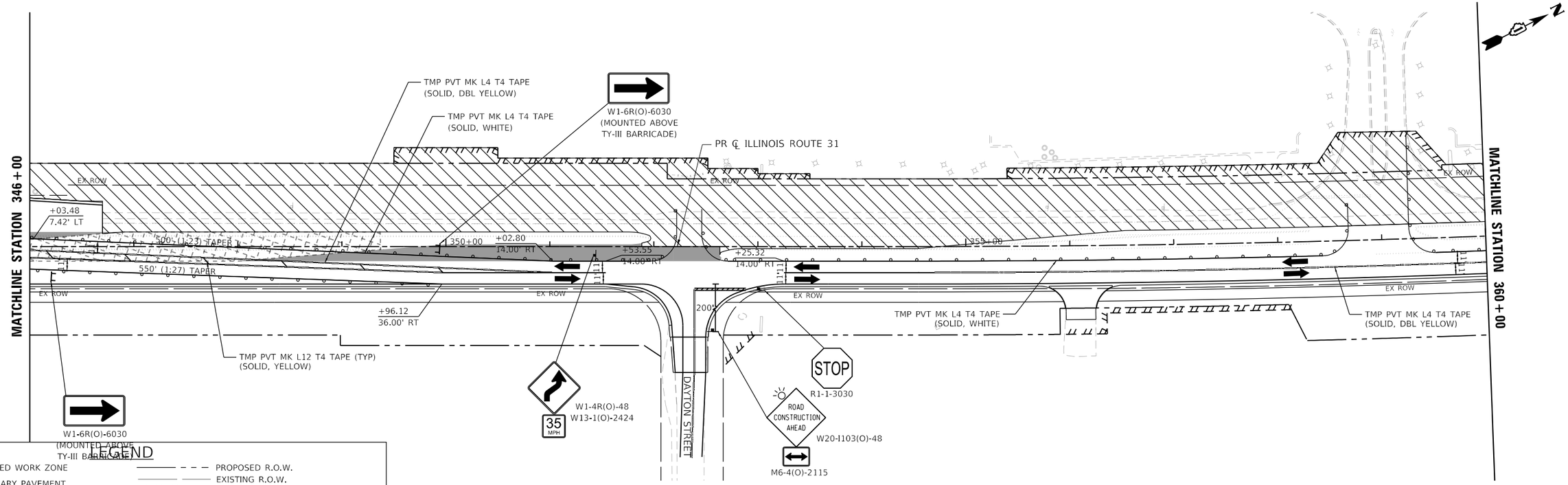
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

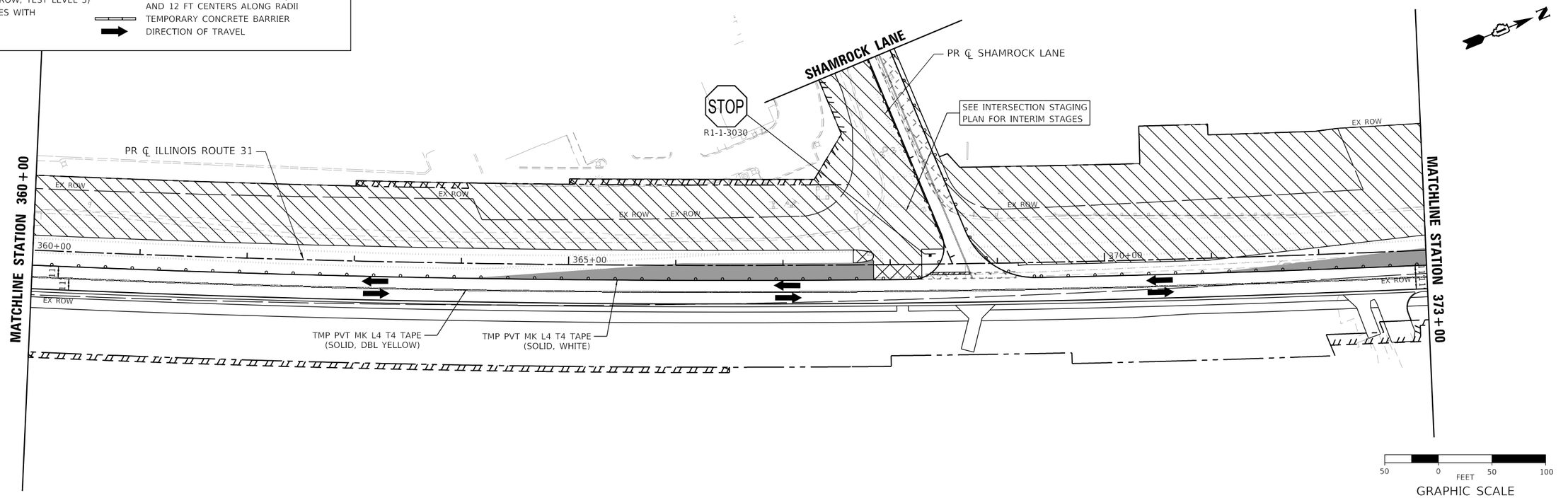
SCALE: 1"=50' | SHEET 9 OF 11 SHEETS | STA. 319+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	192
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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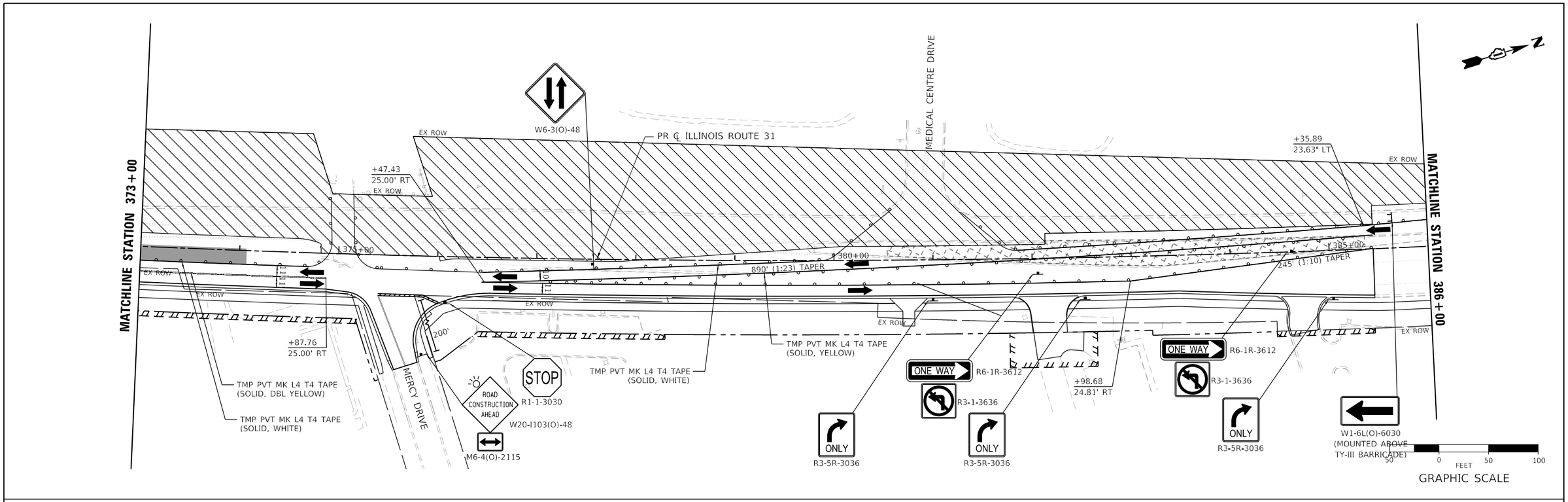
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

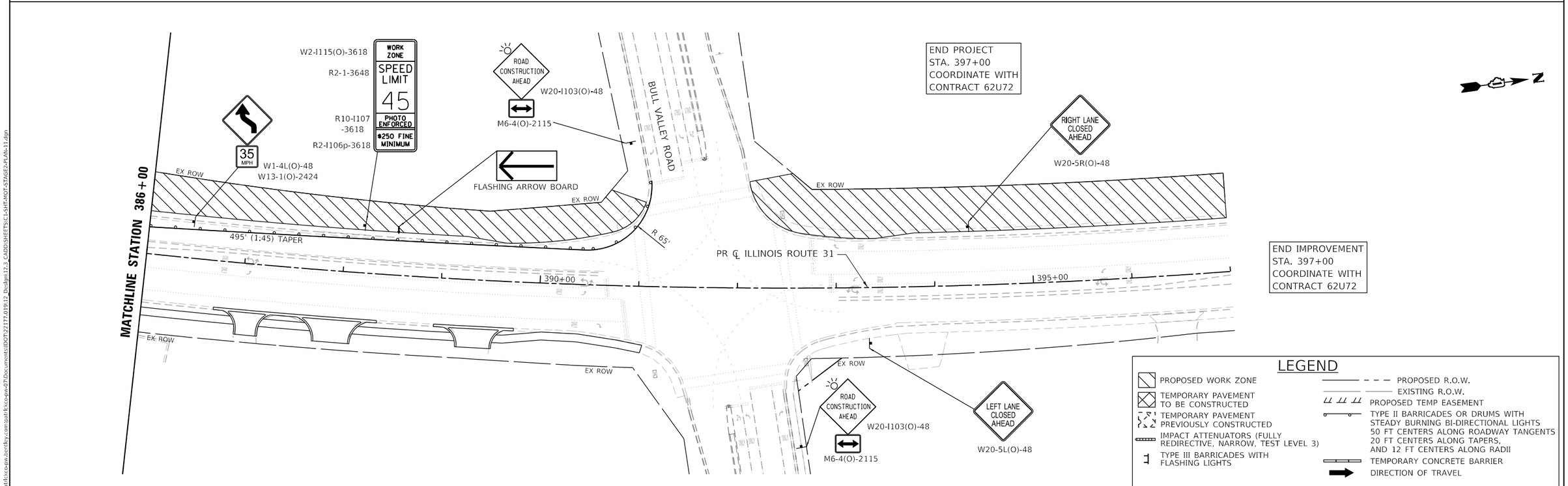
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 11 SHEETS | STA. 346+00 TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	193
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

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PATRICK a RJR company

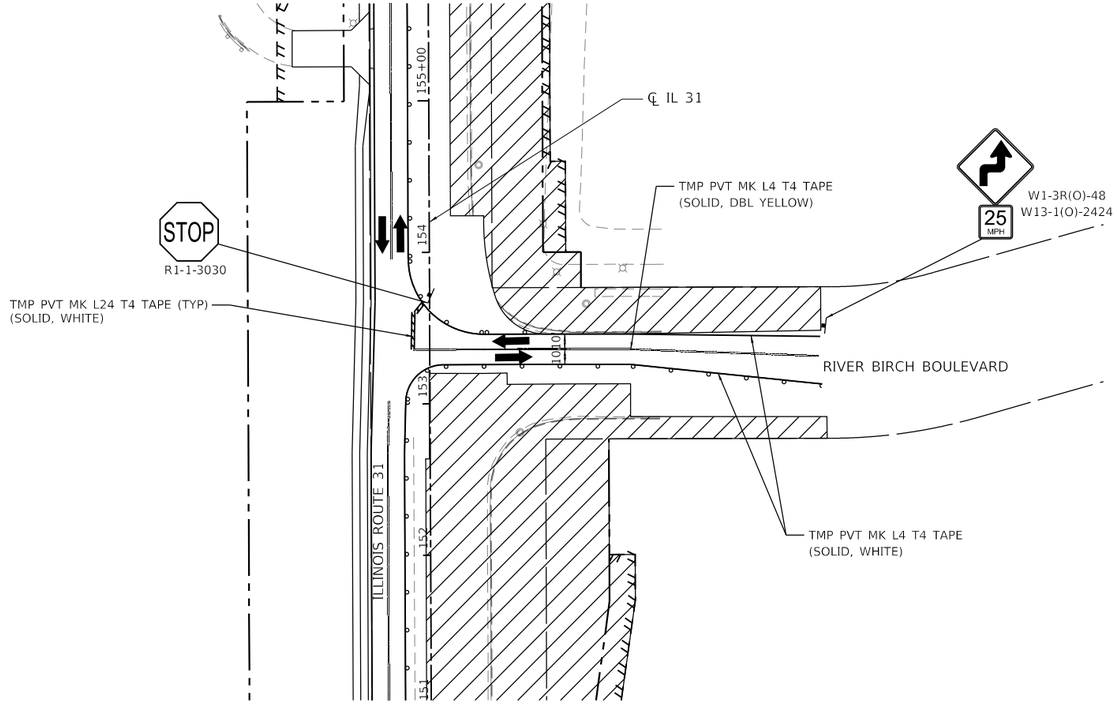
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 11 SHEETS | STA. 373+00 TO STA. 397+00

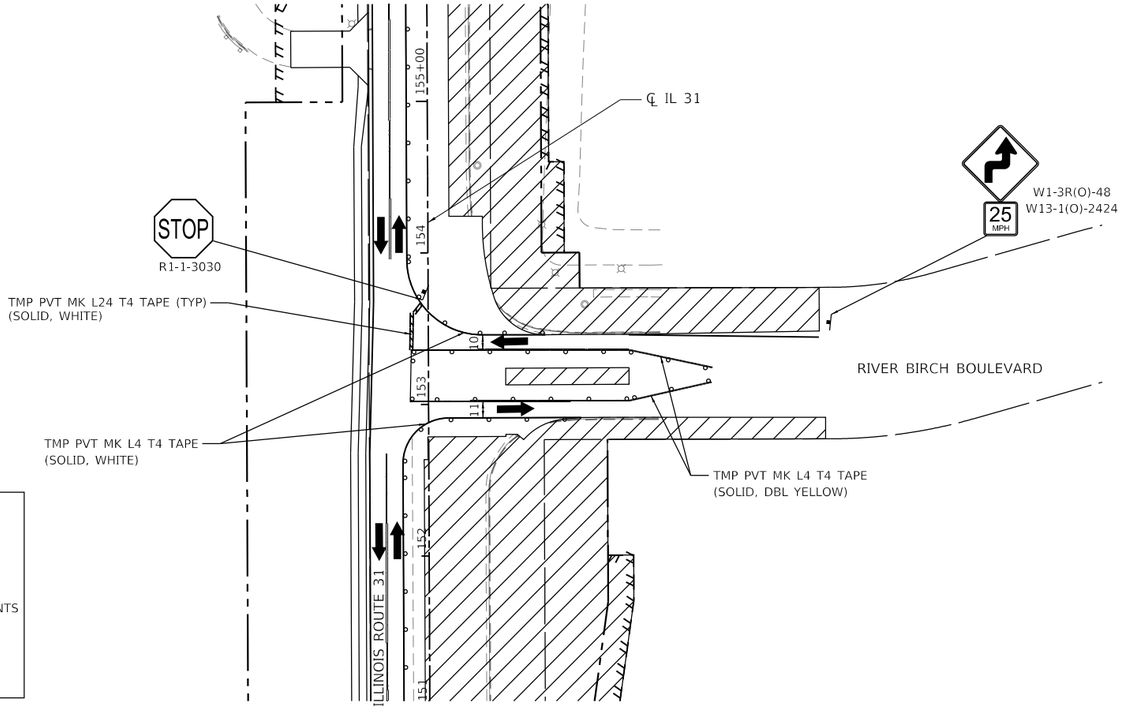
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	194
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



N

50 0 50 100
FEET
GRAPHIC SCALE

RIVER BIRCH BOULEVARD - INTERSECTION SUB-STAGE 2A



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LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

RIVER BIRCH BOULEVARD - INTERSECTION SUB-STAGE 2B

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PATRICK a RJN company

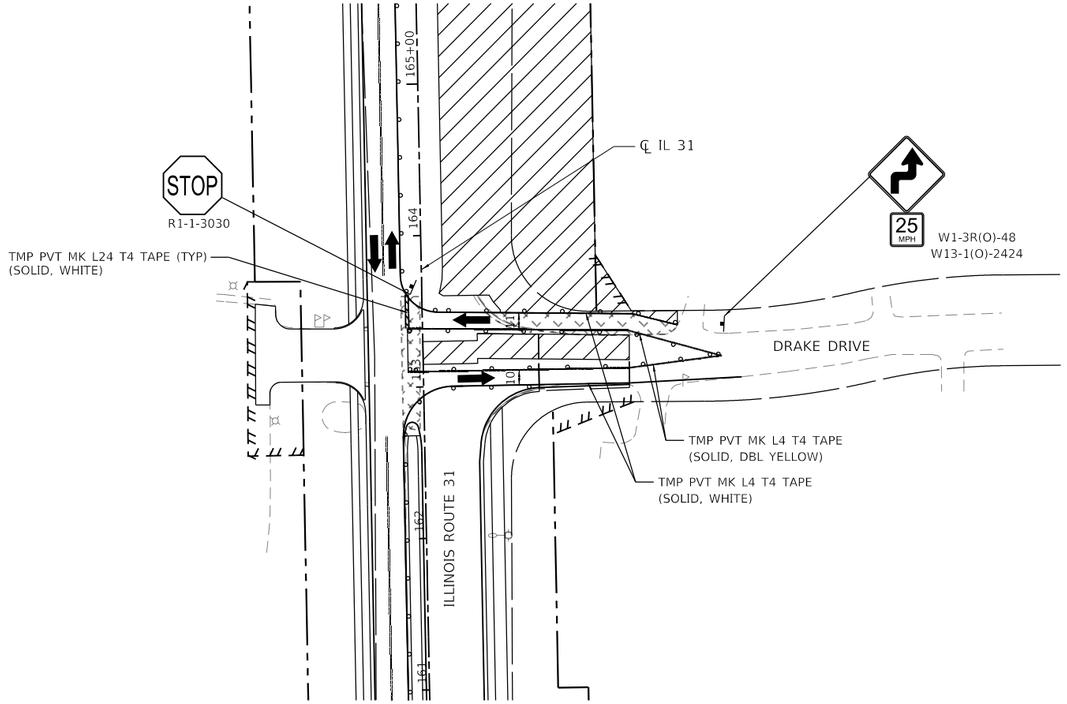
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 INTERSECTION PLAN
RIVER BIRCH BOULEVARD

SCALE: 1"=50' | SHEET 2 OF 8 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	195
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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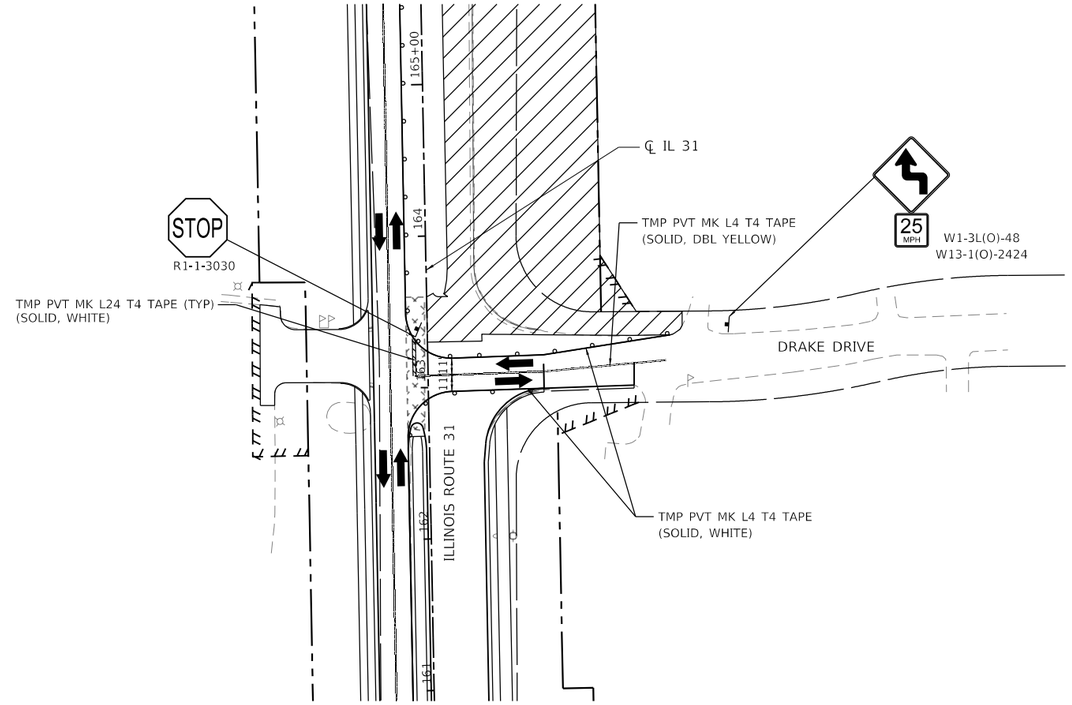
DRAKE DRIVE - INTERSECTION SUB-STAGE 2A



N

DRAKE DRIVE - INTERSECTION SUB-STAGE 2B

50 0 50 100
FEET
GRAPHIC SCALE

MODEL: Default
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PATRICK a RK&K company

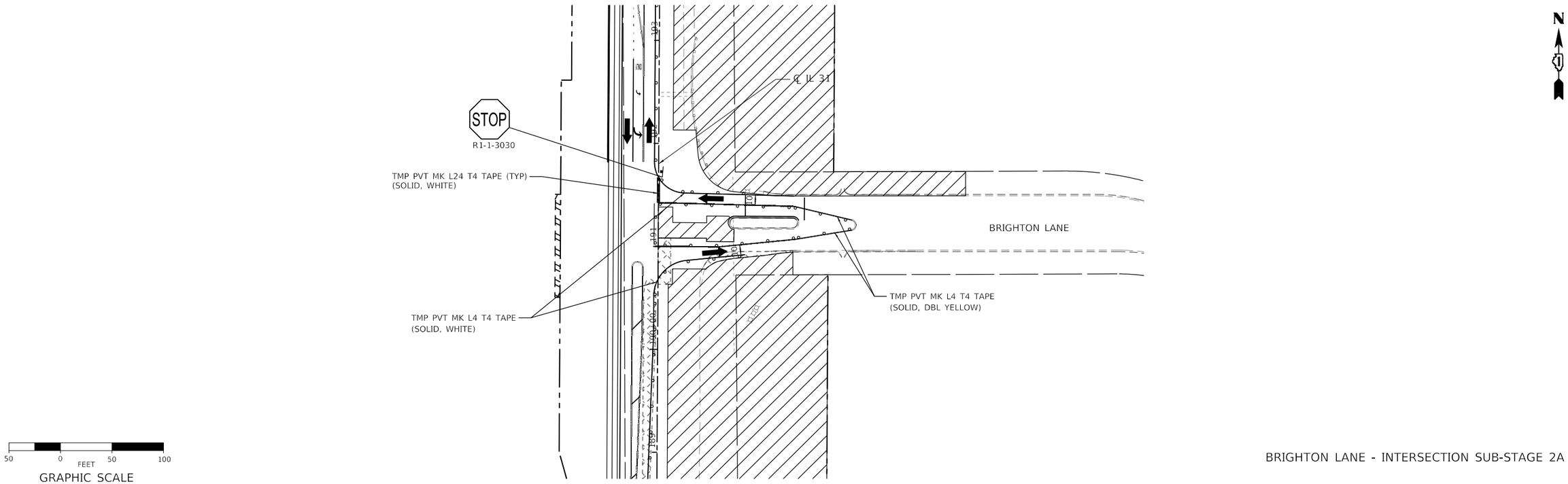
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

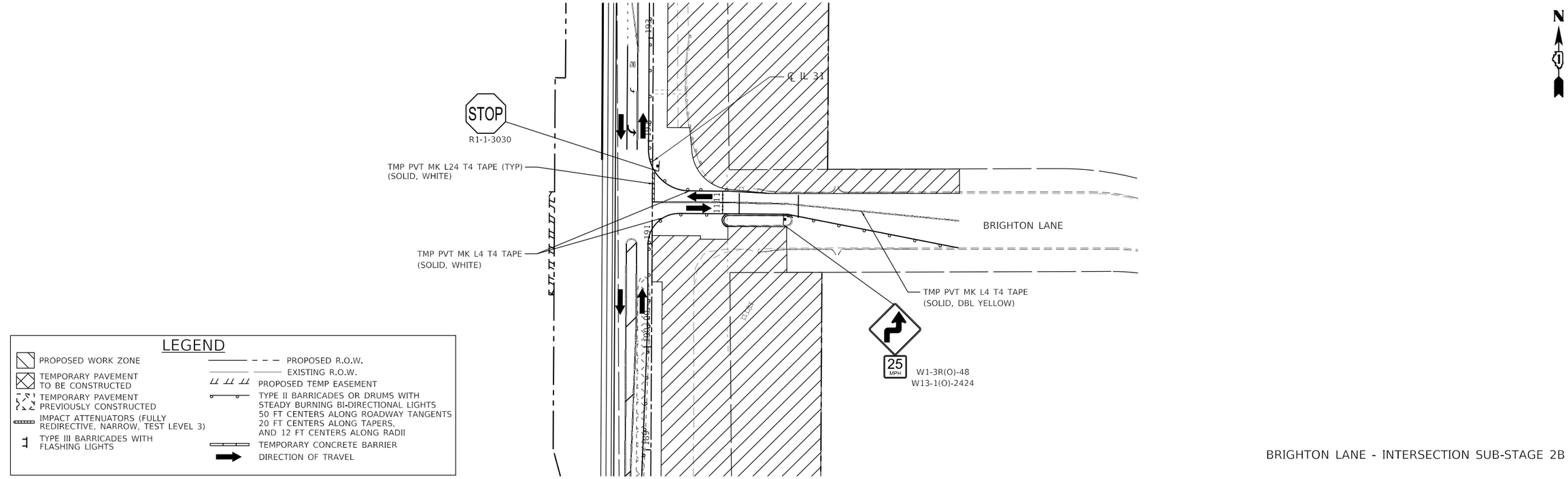
SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 INTERSECTION PLAN
DRAKE DRIVE

SCALE: 1"=50' | SHEET 3 OF 8 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	196
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



BRIGHTON LANE - INTERSECTION SUB-STAGE 2A



BRIGHTON LANE - INTERSECTION SUB-STAGE 2B

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

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PATRICK a RSR company

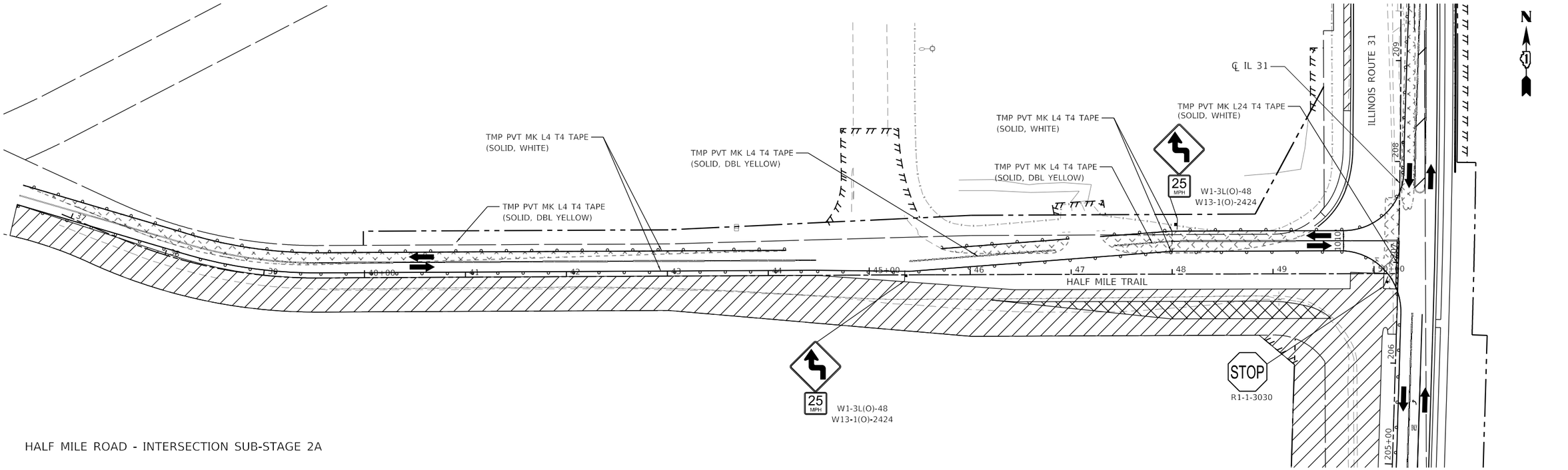
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

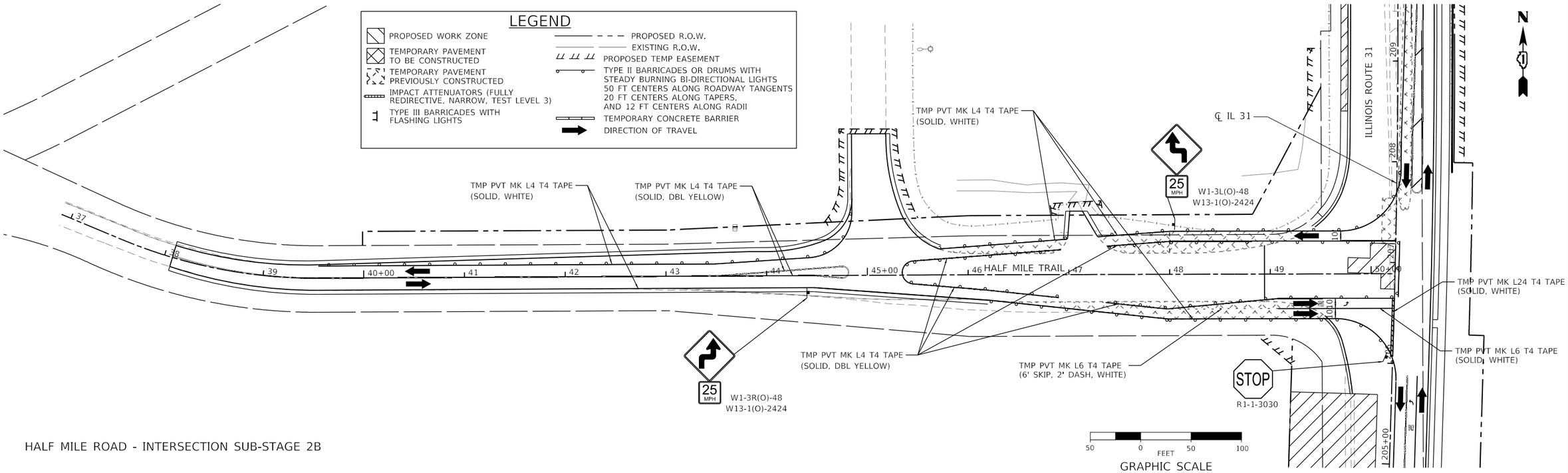
SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 INTERSECTION PLAN
BRIGHTON LANE

SCALE: 1"=50' | SHEET 4 OF 8 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	197
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



HALF MILE ROAD - INTERSECTION SUB-STAGE 2A



HALF MILE ROAD - INTERSECTION SUB-STAGE 2B

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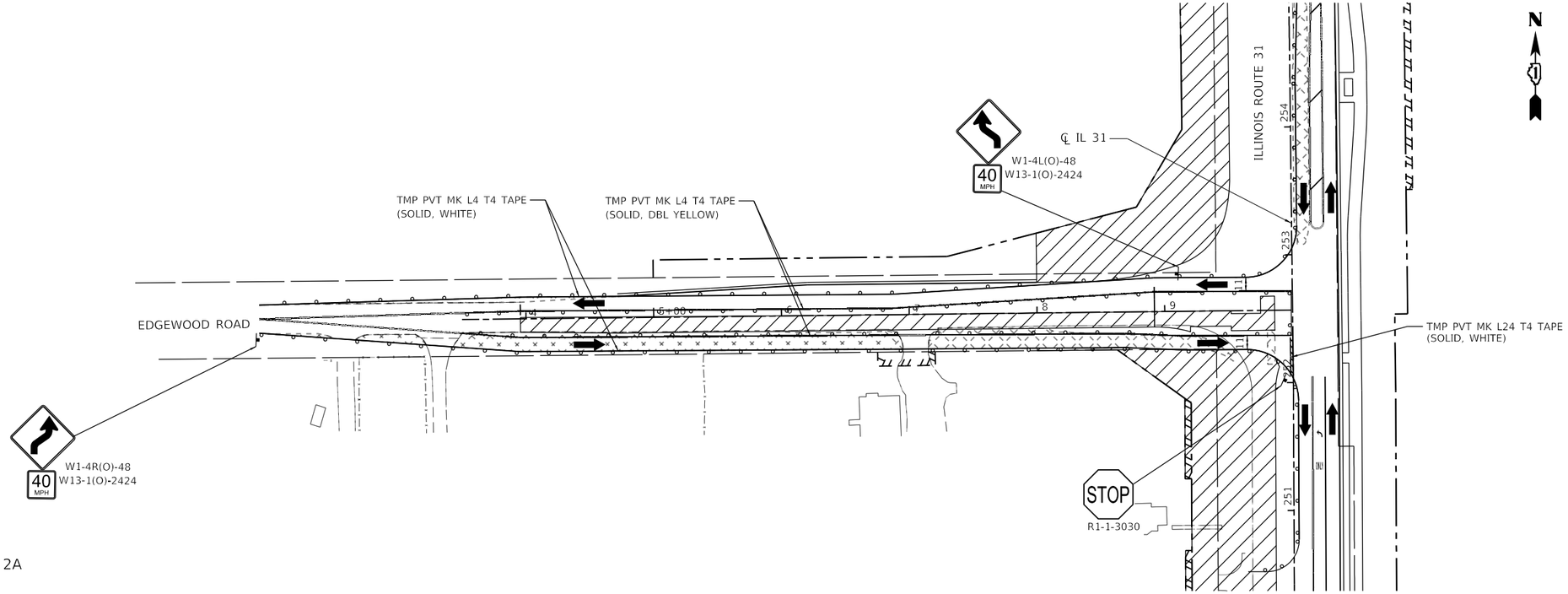
USER NAME = bwitort	DESIGNED - ACN	REVISED -	**STATE OF ILLINOIS**	**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 INTERSECTION PLAN**
	DRAWN - ACN	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**HALF MILE ROAD**
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -		SCALE: 1"=50' | SHEET 5 OF 8 SHEETS | STA. | TO STA.
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

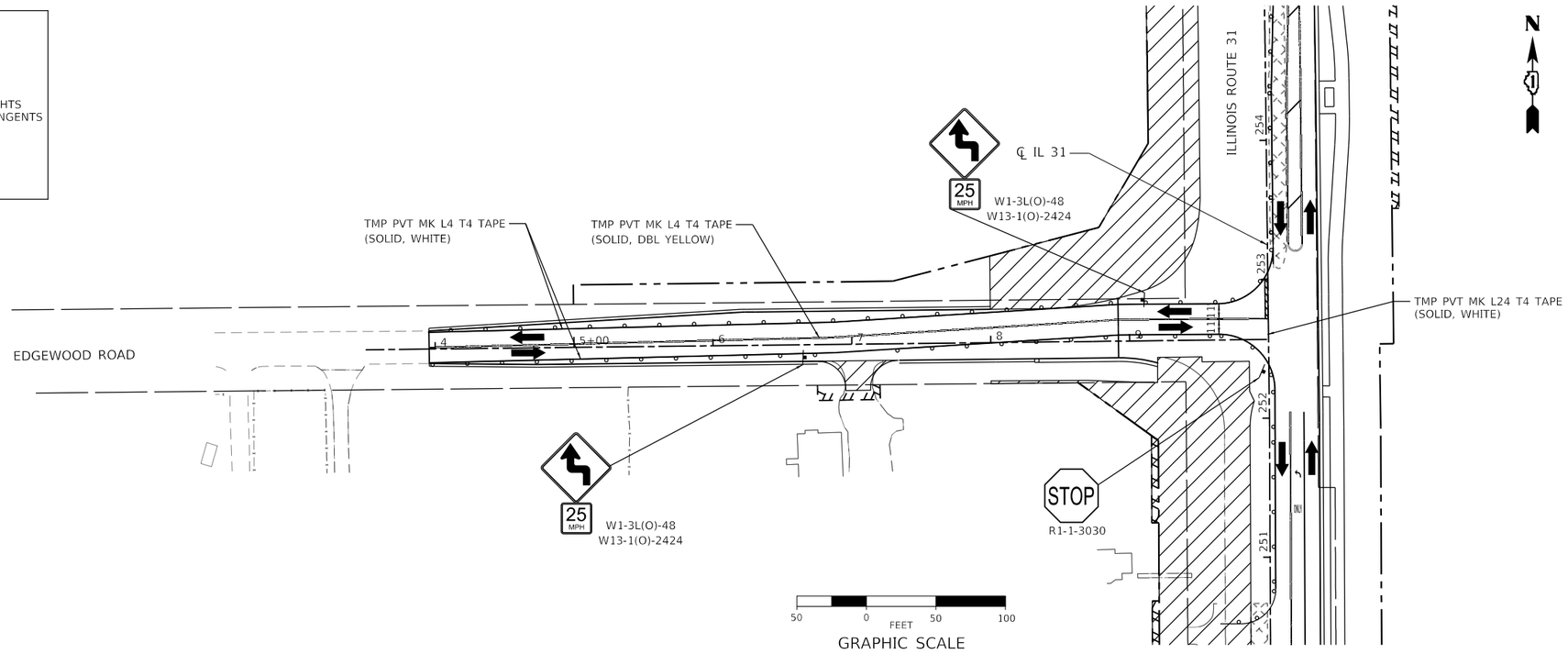
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	198
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



EDGEWOOD ROAD - INTERSECTION SUB-STAGE 2A

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



EDGEWOOD ROAD - INTERSECTION SUB-STAGE 2B

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 INTERSECTION PLAN
EDGEWOOD ROAD

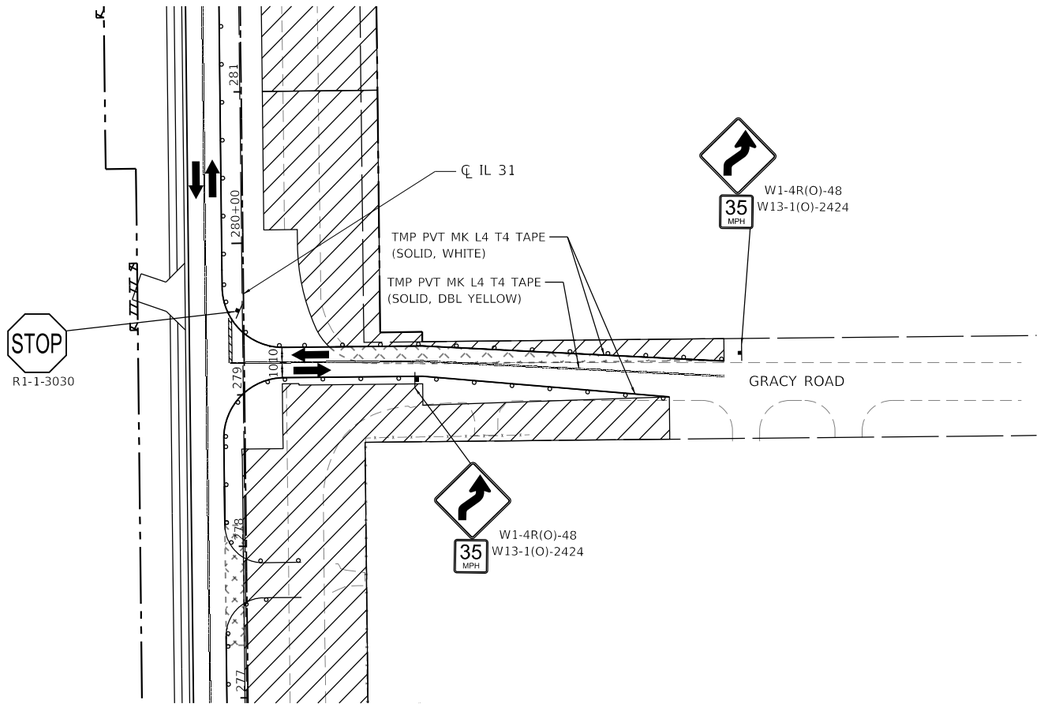
SCALE: 1"=50' | SHEET 6 OF 8 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	199
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

N



GRACY ROAD - INTERSECTION SUB-STAGE 2A

50 0 50 100
FEET
GRAPHIC SCALE

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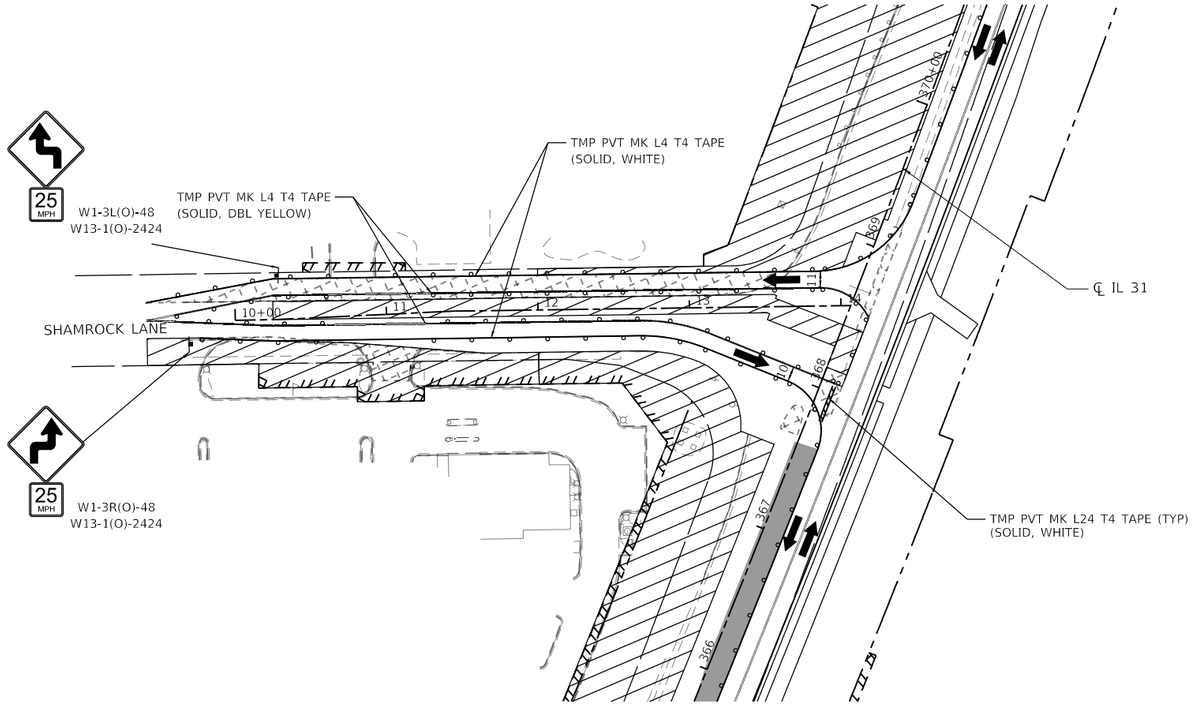
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 INTERSECTION PLAN
GRACY ROAD

SCALE: 1"=50' | SHEET 7 OF 8 SHEETS | STA. | TO STA.

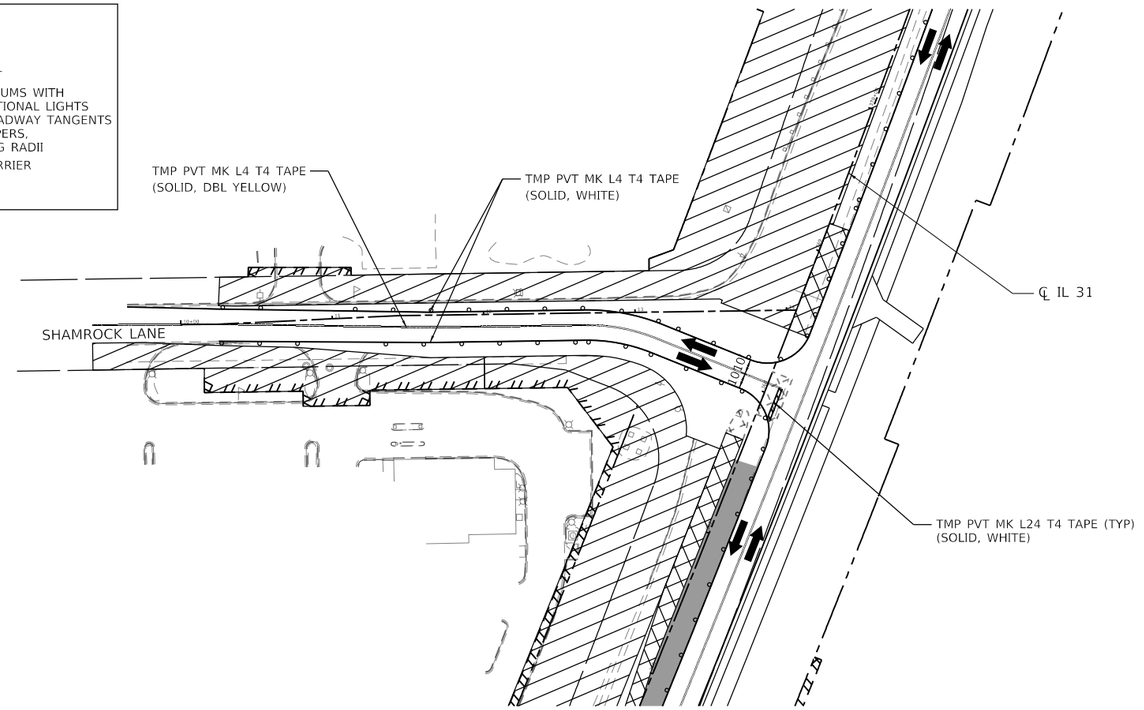
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	200
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



SHAMROCK LANE - INTERSECTION SUB-STAGE 2A

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



GRAPHIC SCALE

SHAMROCK LANE - INTERSECTION SUB-STAGE 2B

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PATRICK a RJR company

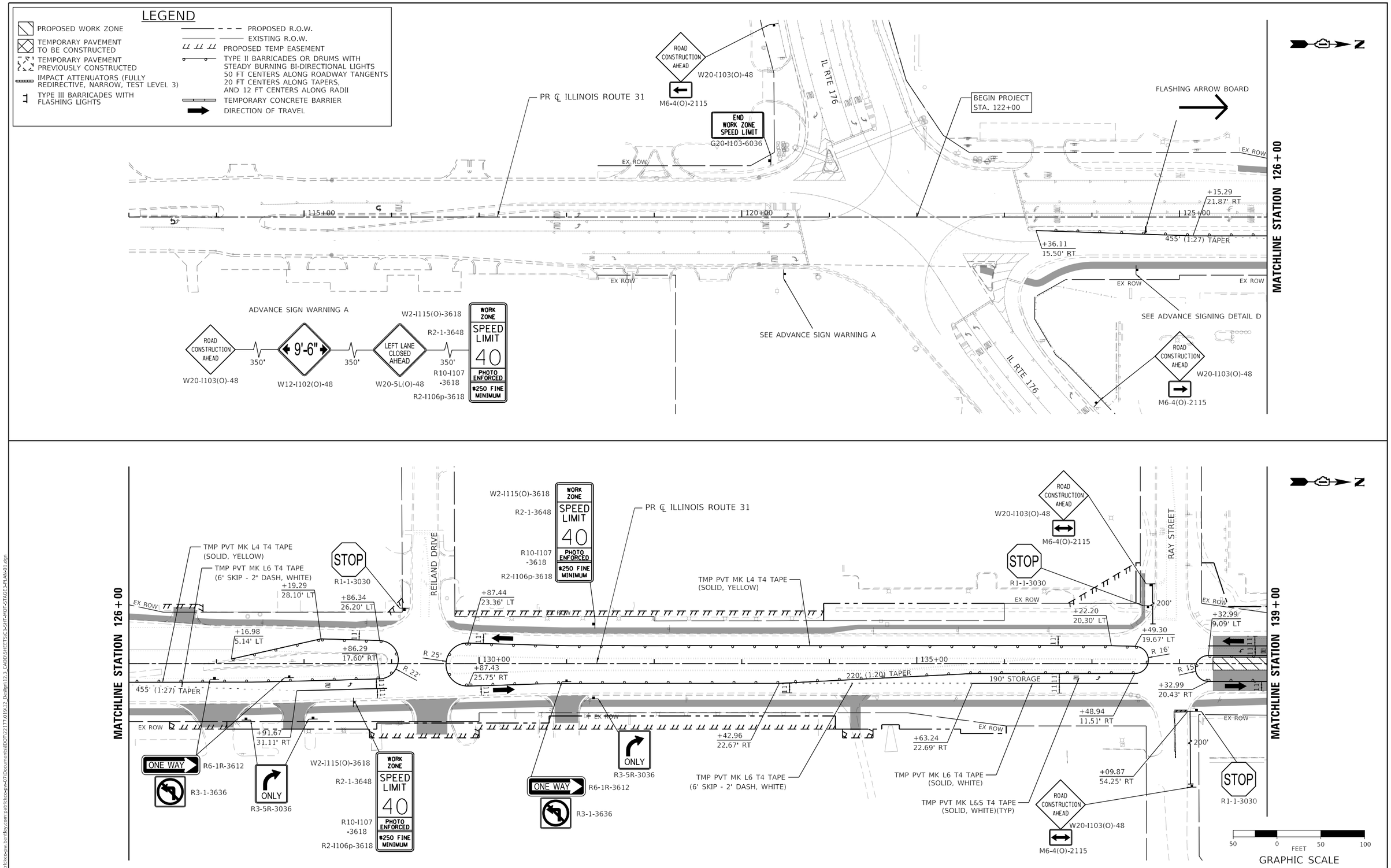
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 INTERSECTION PLAN
DAYTON STREET

SCALE: 1"=50' | SHEET 8 OF 8 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	201
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJN company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 11 SHEETS | STA. 120+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	202
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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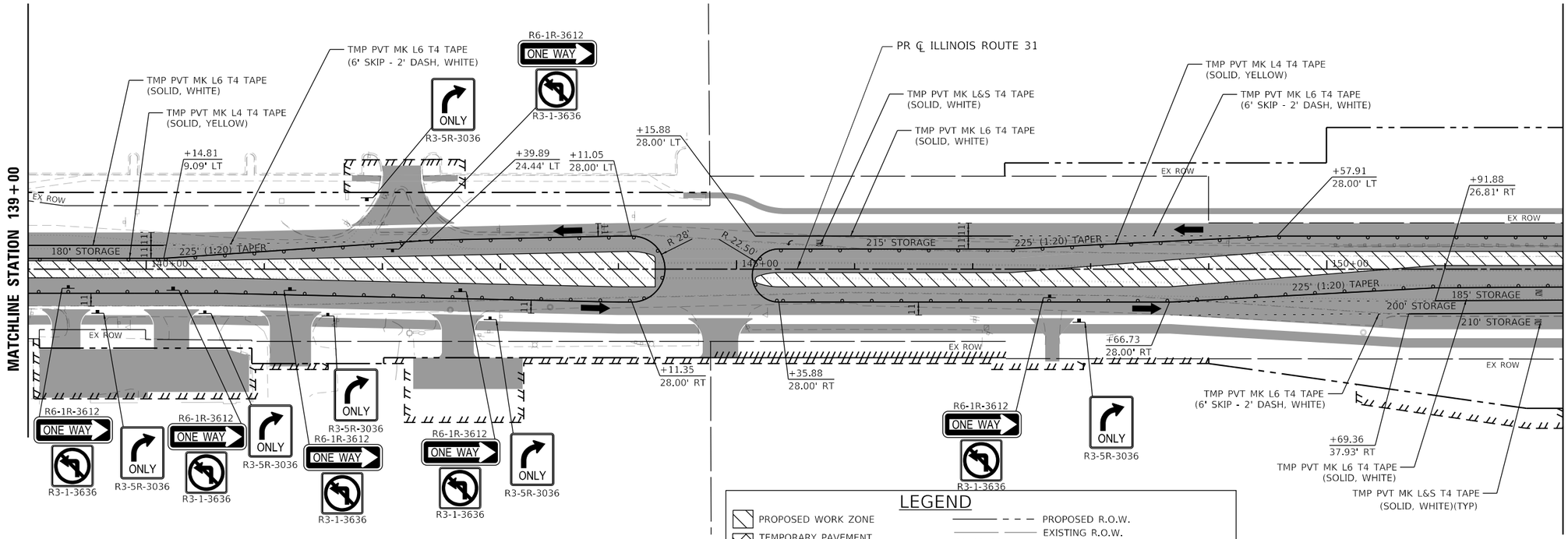

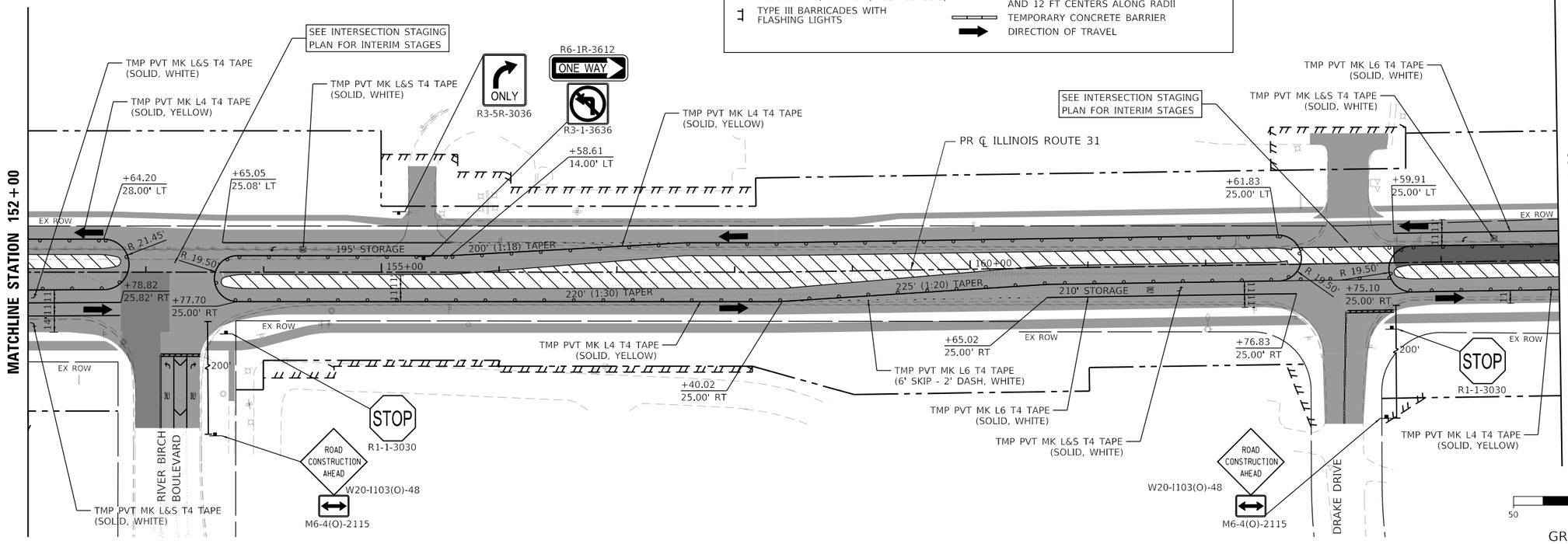

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

MODEL: Default
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PATRICK a Jacobs company

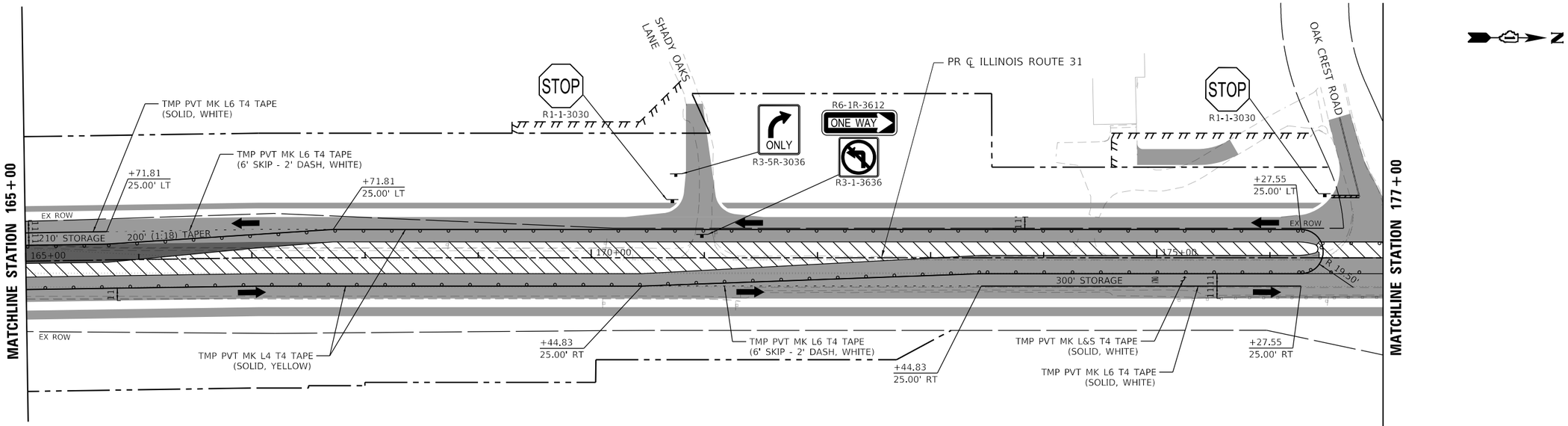
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN
ILLINOIS ROUTE 31

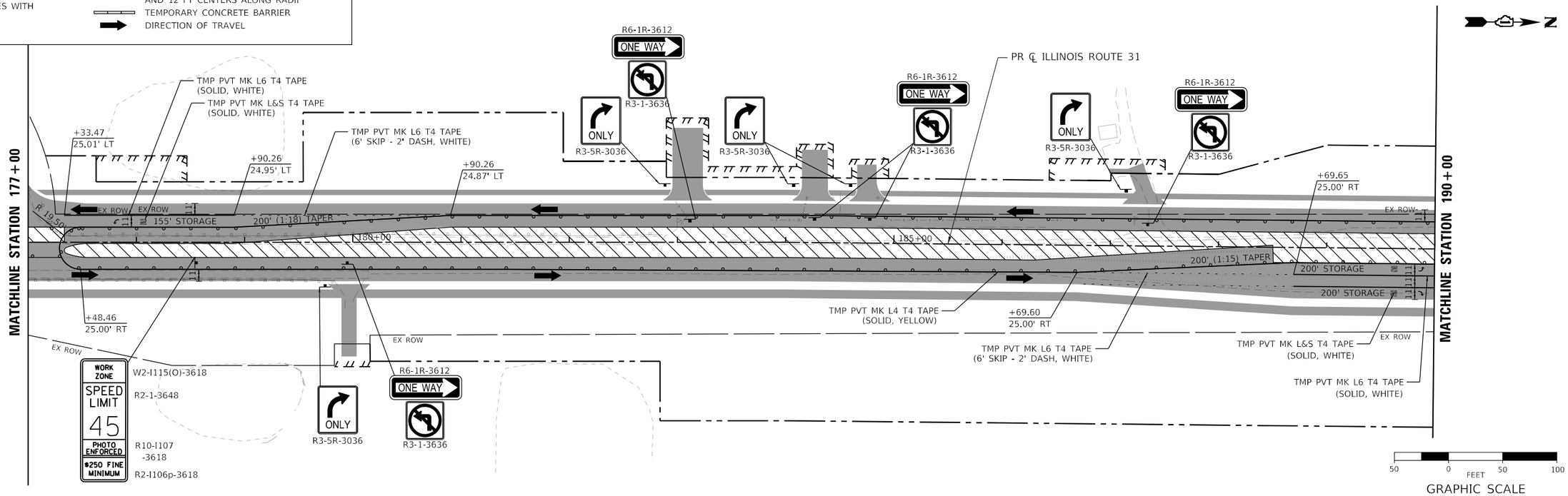
SCALE: 1"=50' | SHEET 2 OF 11 SHEETS | STA. 139+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	203
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a RSR company

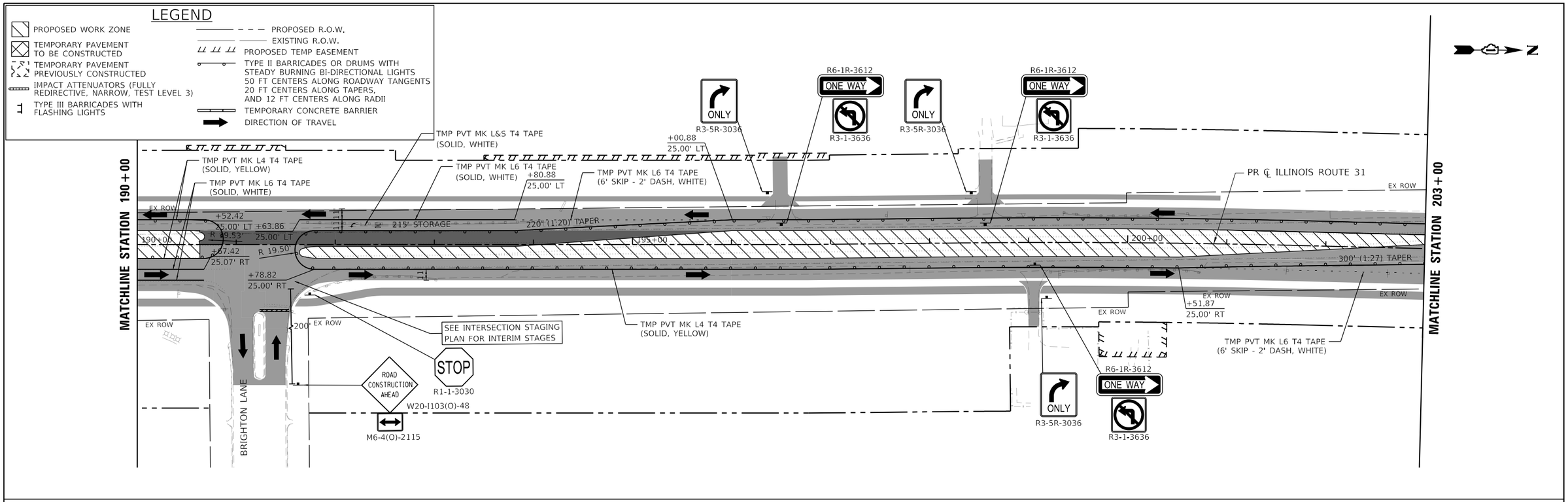
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 11 SHEETS | STA. 165+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	204
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN ILLINOIS ROUTE 31	
	DRAWN - ACN	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 4 OF 11 SHEETS STA. 190+00 TO STA. 216+00	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	205
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PATRICK a RJR company

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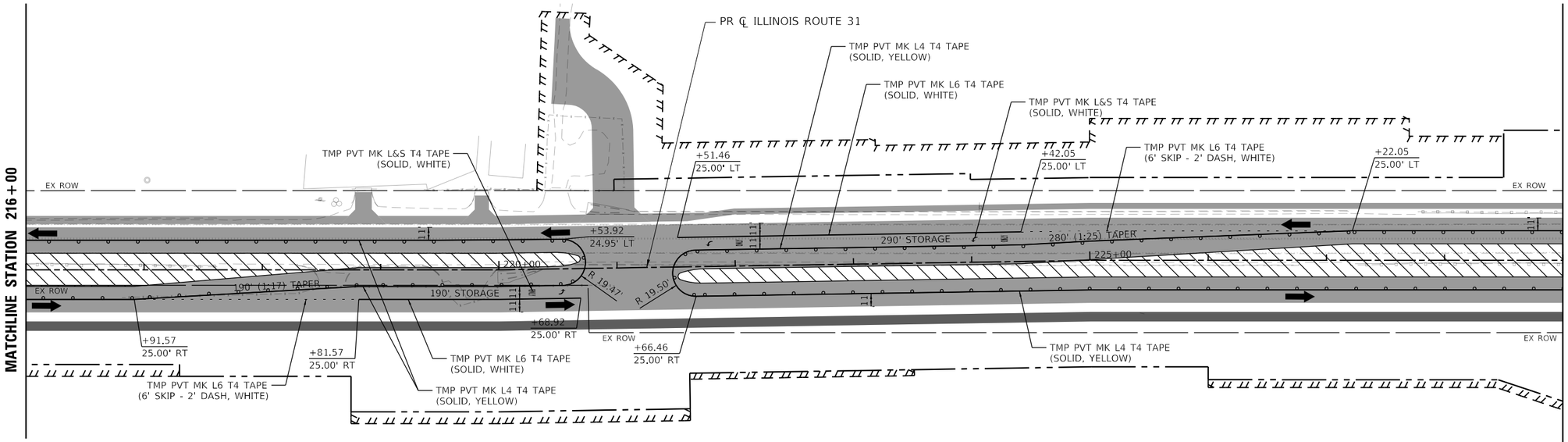
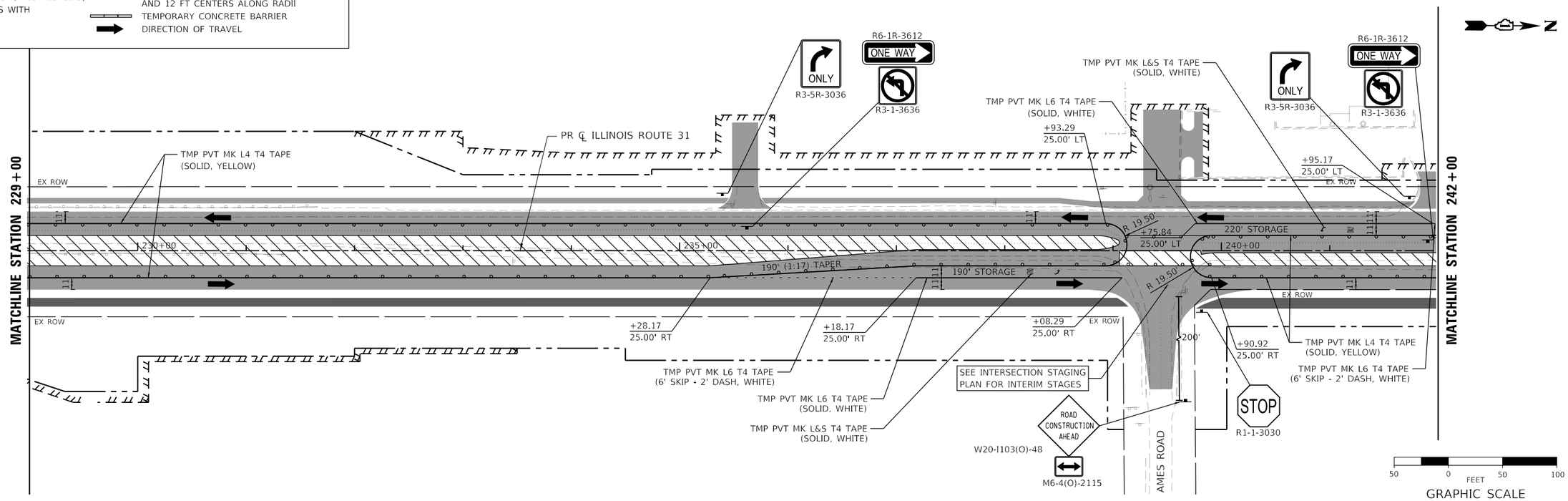


LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



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PATRICK a RSR company

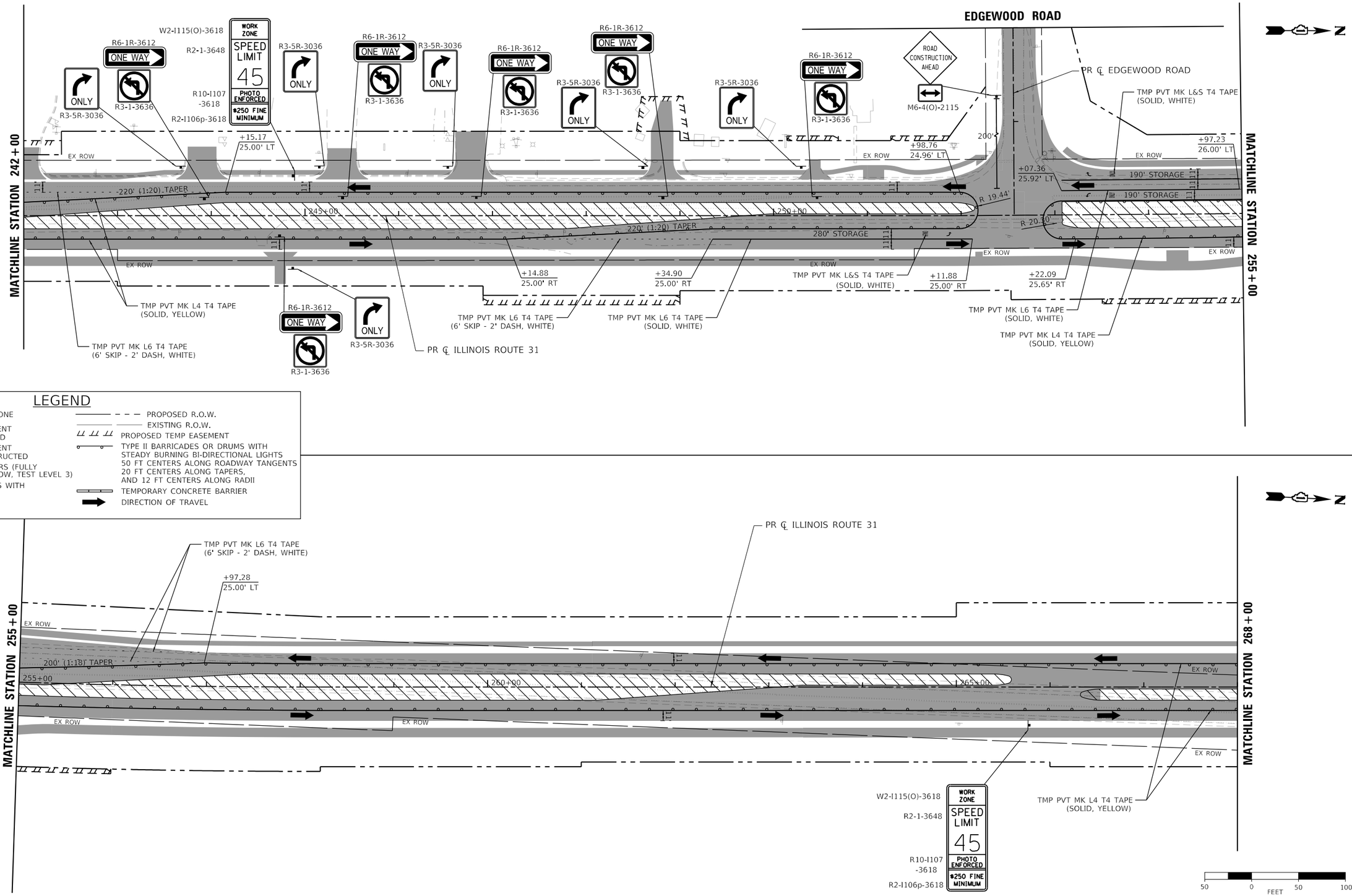
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 11 SHEETS | STA. 216+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	206
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

USER NAME = bwitort	DESIGNED - ACN	REVISED -
	DRAWN - ACN	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 11 SHEETS | STA. 242+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	207
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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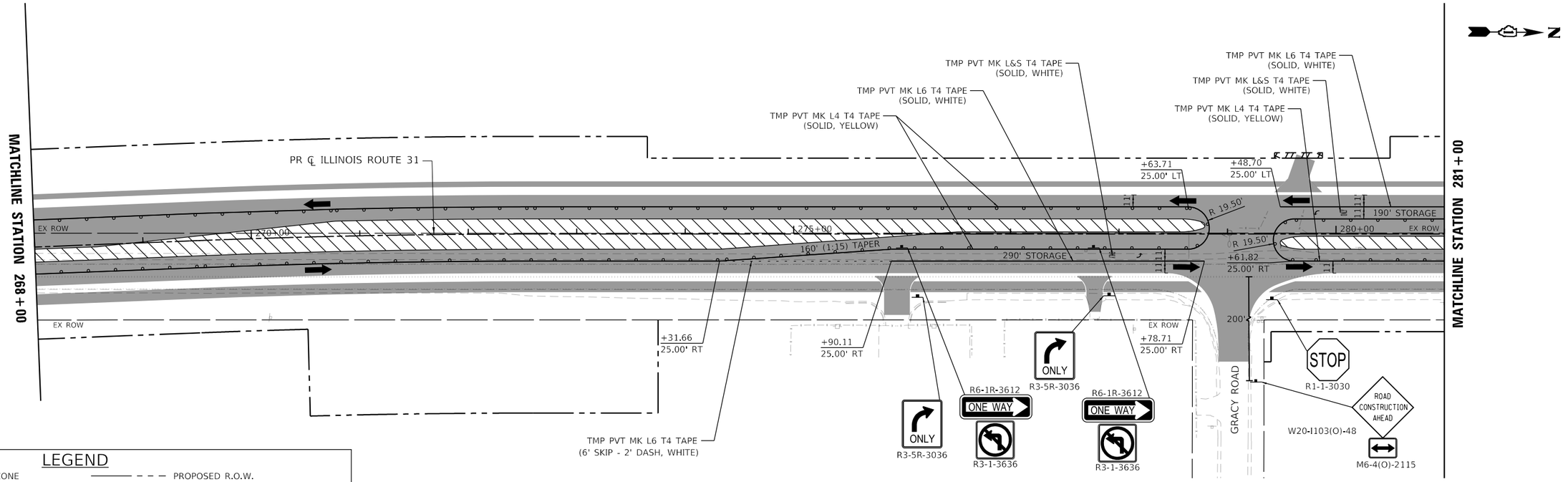
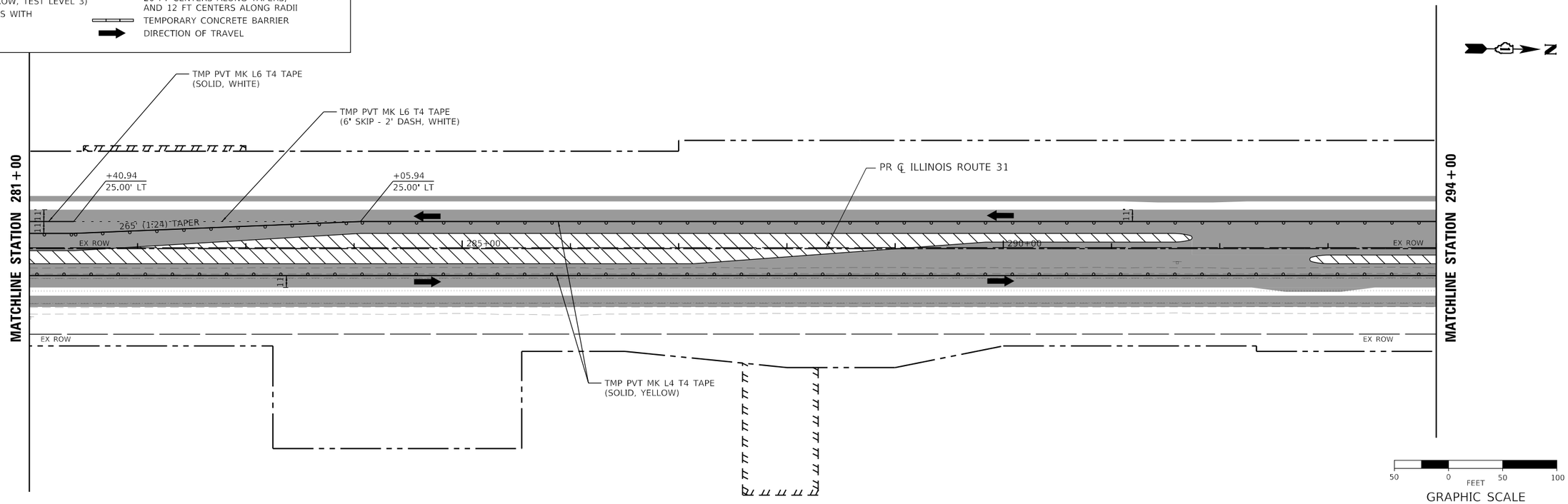


LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



USER NAME = bwitort	DESIGNED - ACN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN ILLINOIS ROUTE 31	
	DRAWN - ACN	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 7 OF 11 SHEETS STA. 268+00 TO STA. 294+00	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	208
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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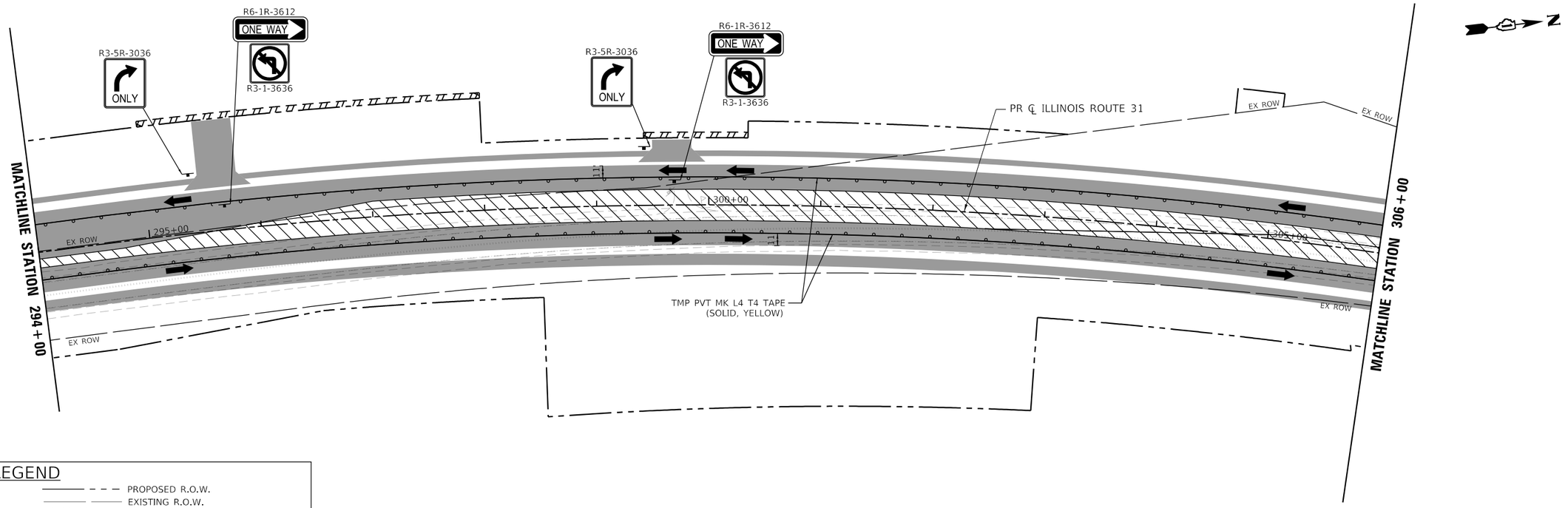

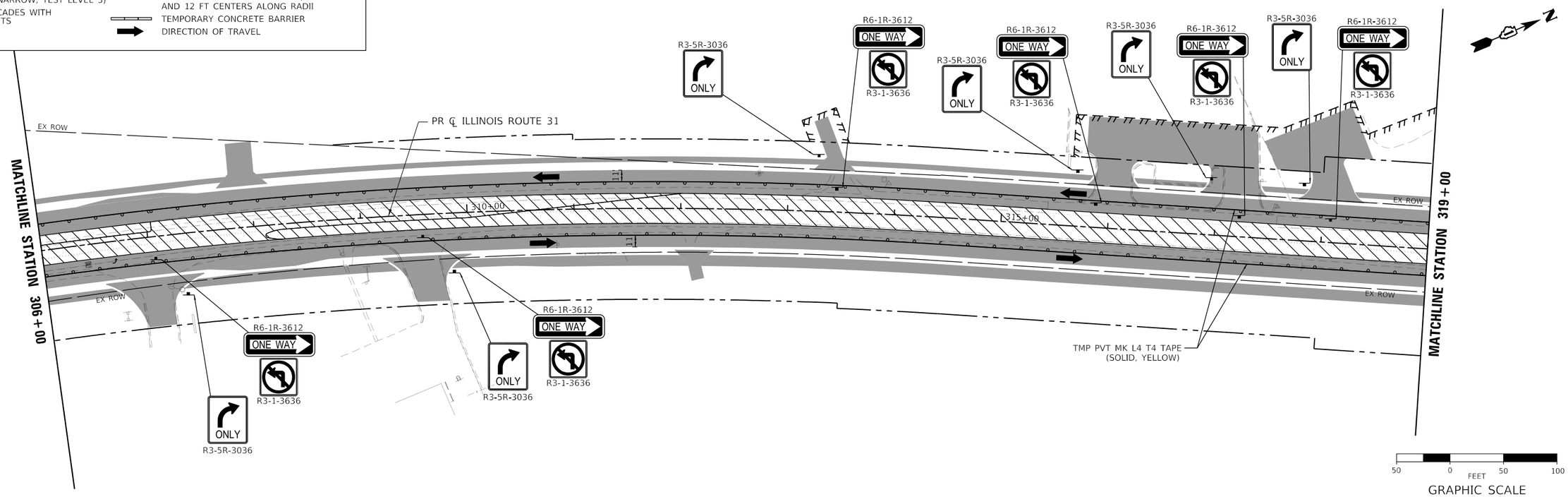

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

MODEL: Default
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PATRICK a Jacobs company

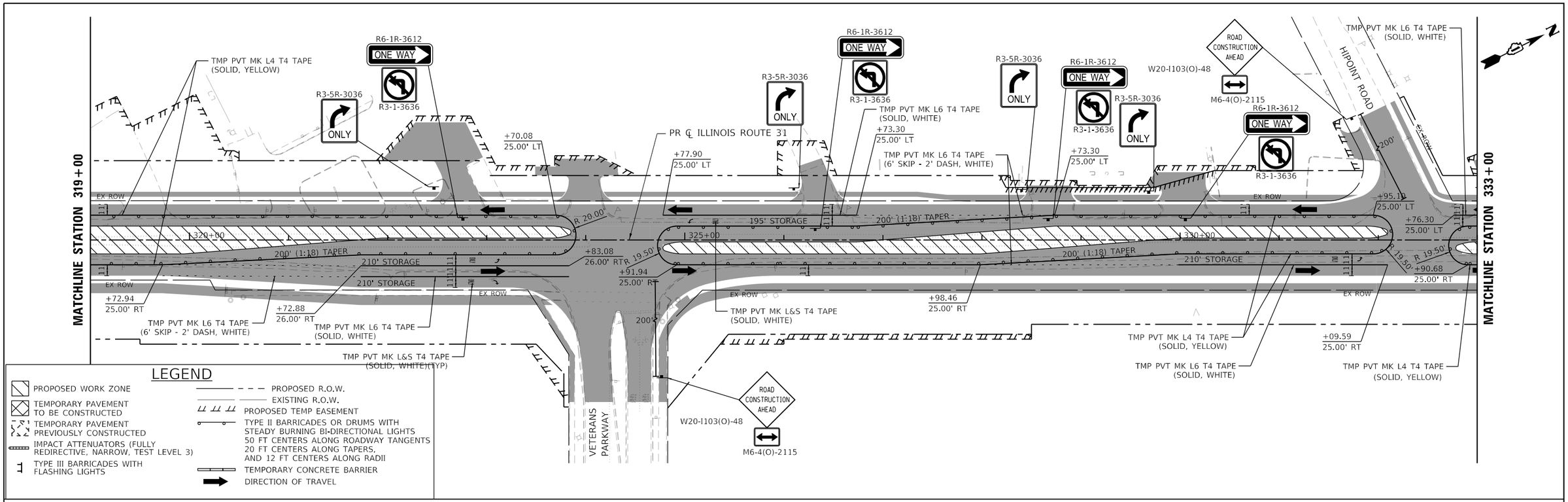
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 11 SHEETS | STA. 294+00 TO STA. 319+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	209
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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PATRICK a RJR company

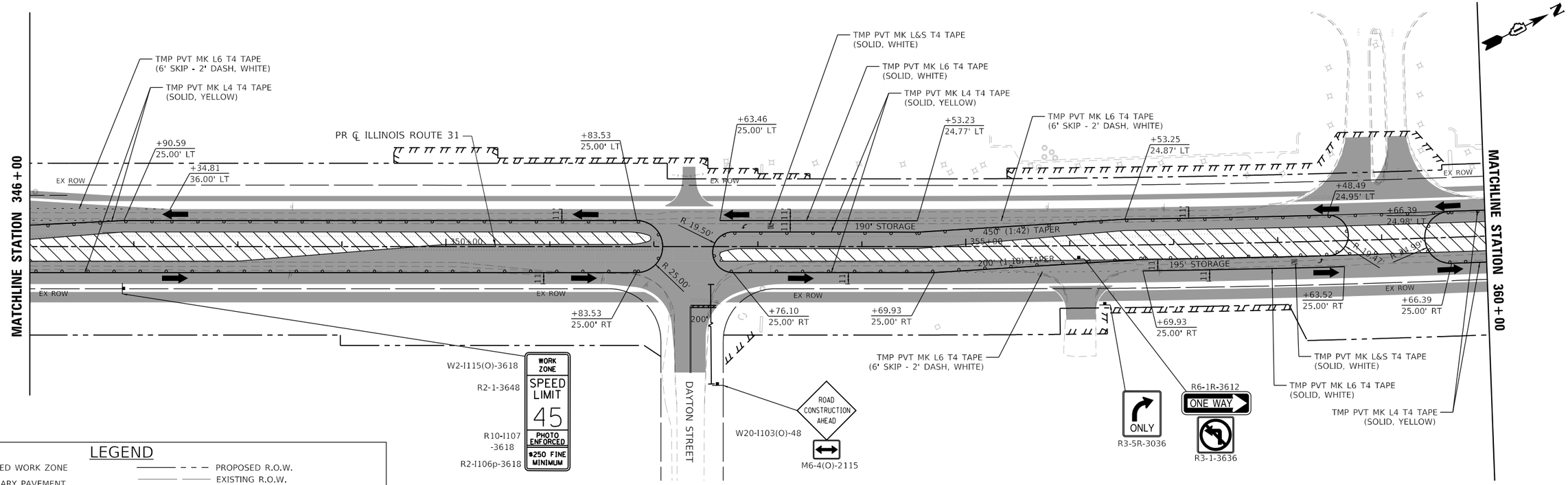
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

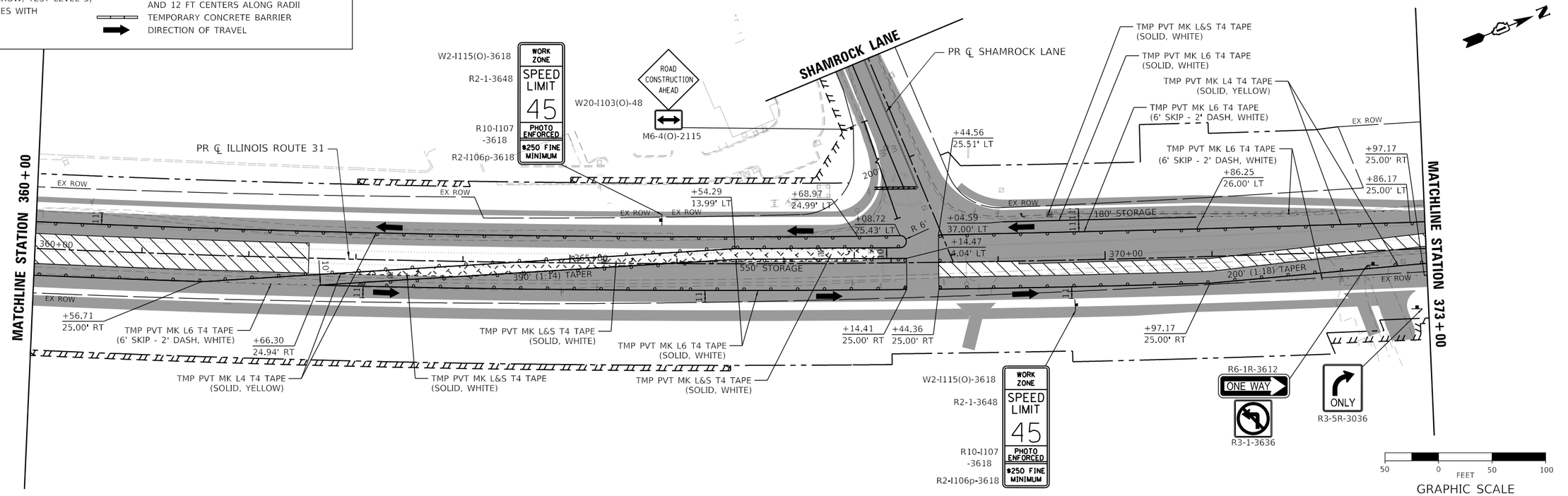
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 11 SHEETS | STA. 319+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	210
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL

MODEL: Default
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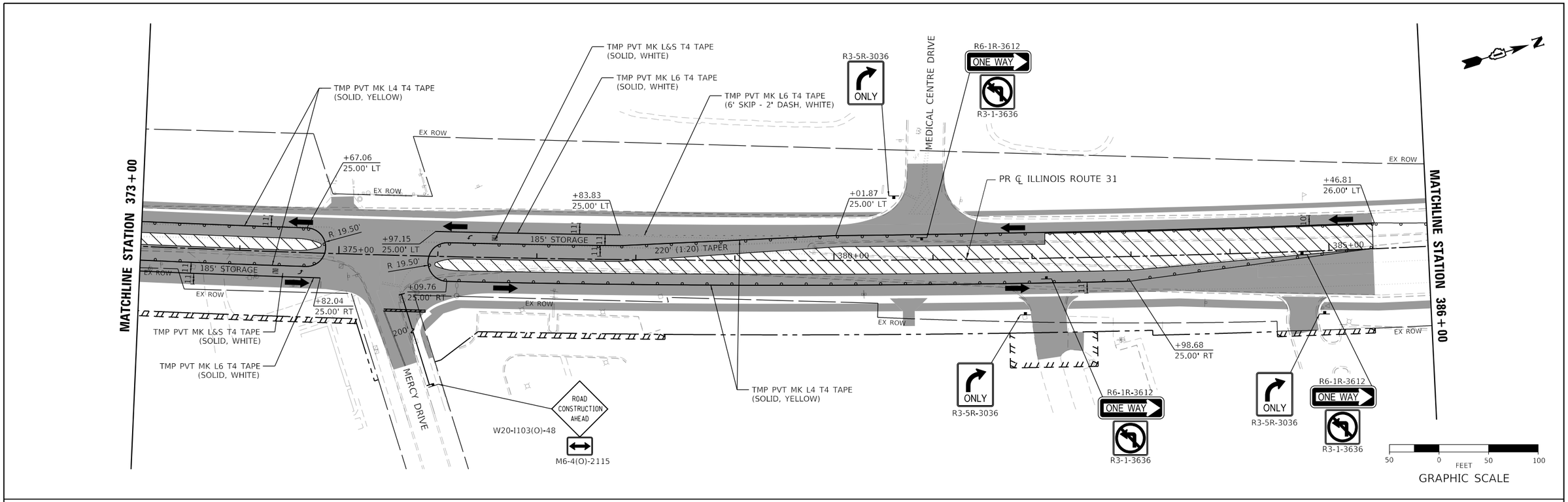
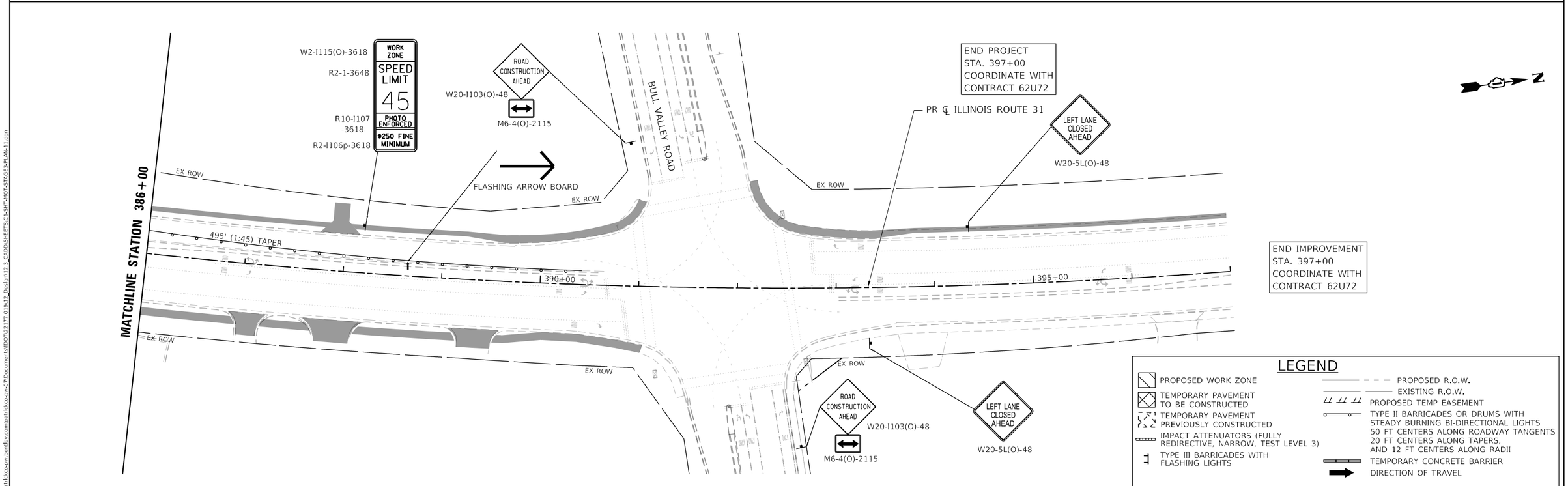
PATRICK a Jacobs company

USER NAME = bwitort	DESIGNED - ACN	REVISED -	**STATE OF ILLINOIS**	**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN**
	DRAWN - ACN	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -		SCALE: 1"=50' | SHEET 10 OF 11 SHEETS | STA. 346+00 TO STA. 373+00
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	211
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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PATRICK a RJN company

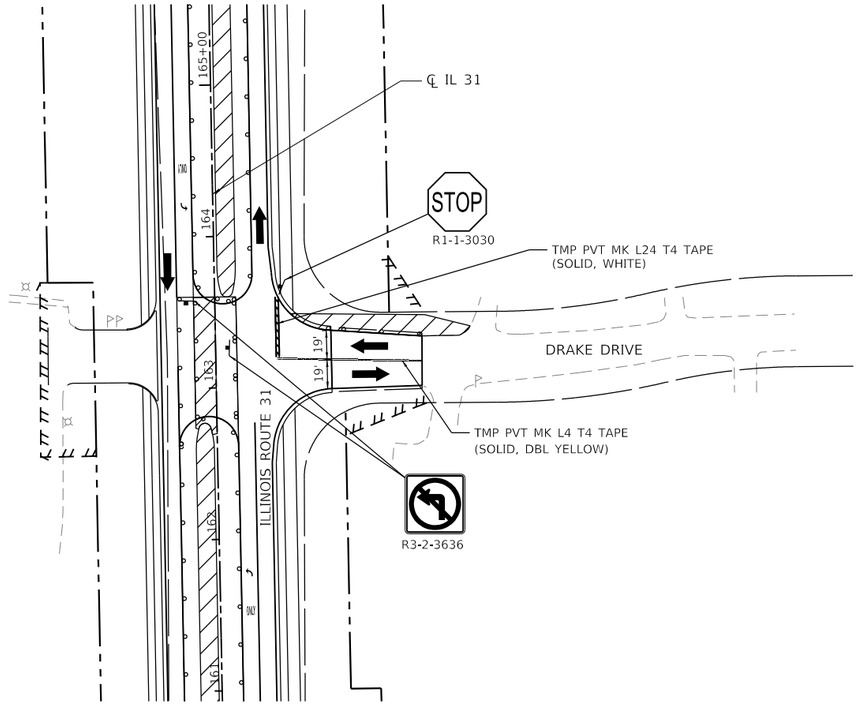
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 11 SHEETS | STA. 373+00 TO STA. 397+00

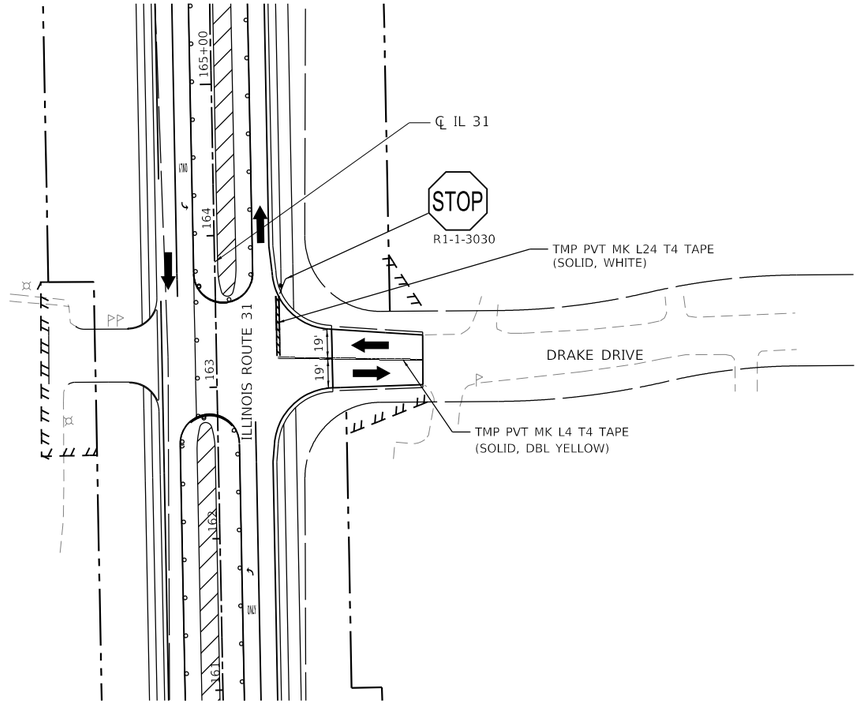
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	212
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



DRAKE DRIVE - INTERSECTION SUB-STAGE 3A

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



DRAKE DRIVE - INTERSECTION SUB-STAGE 3B

50 0 50 100
FEET
GRAPHIC SCALE

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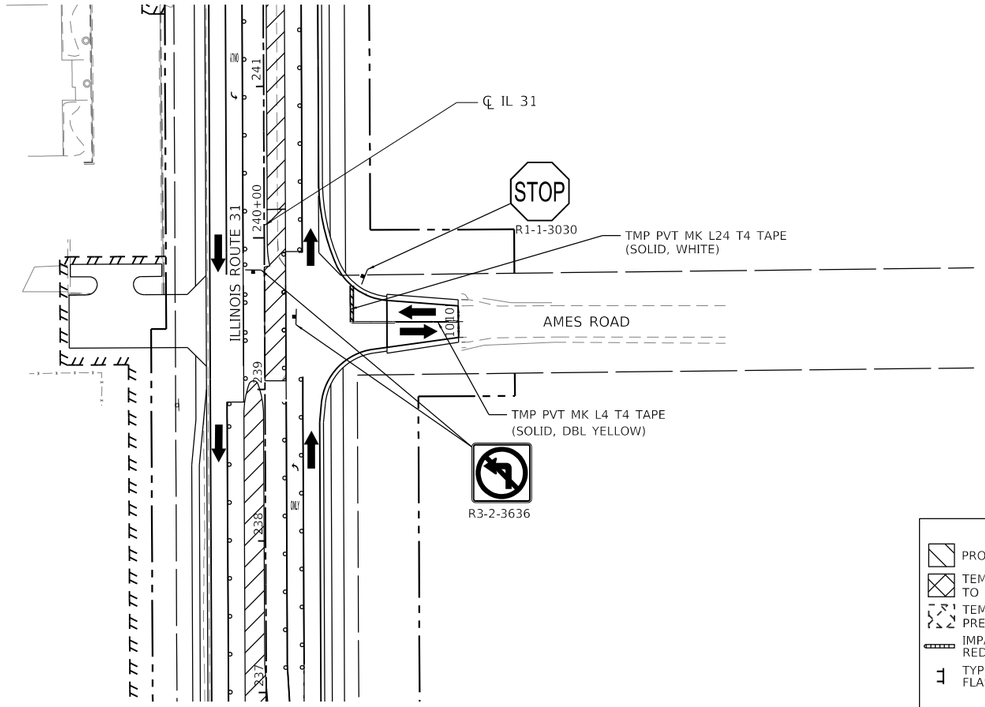
PATRICK a WSP company	USER NAME = bwitort	DESIGNED - ACN	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 INTERSECTION PLAN DRAKE DRIVE**
		DRAWN - ACN	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	213
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

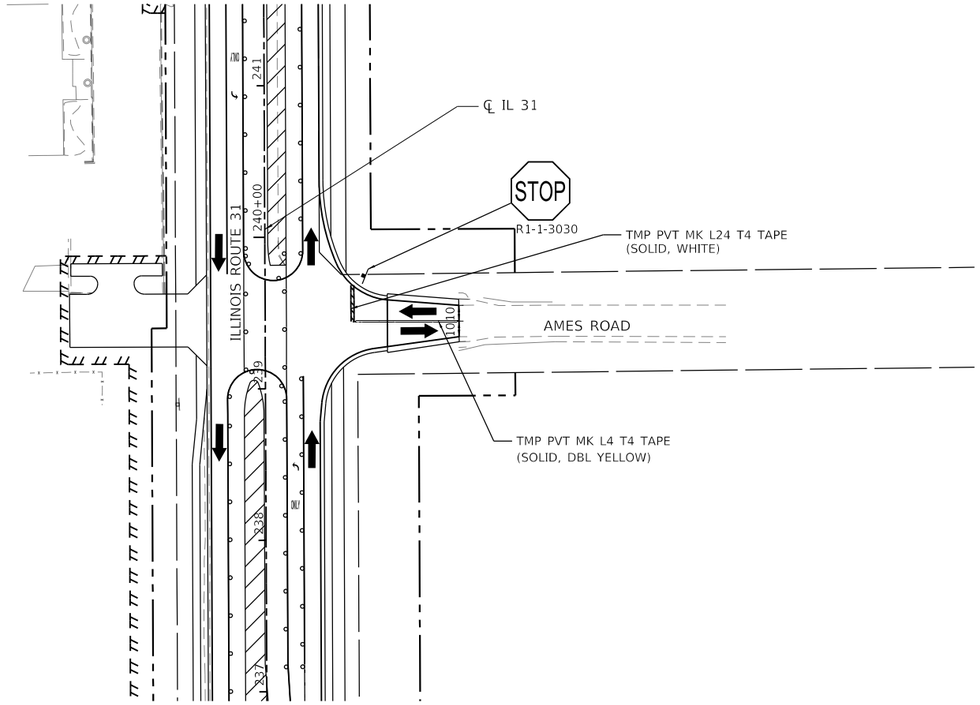


N

AMES ROAD - INTERSECTION SUB-STAGE 3A

LEGEND

- PROPOSED WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED
- TEMPORARY PAVEMENT PREVIOUSLY CONSTRUCTED
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW, TEST LEVEL 3)
- TYPE III BARRICADES WITH FLASHING LIGHTS
- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMP EASEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS 50 FT CENTERS ALONG ROADWAY TANGENTS 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAVEL



N

AMES ROAD - INTERSECTION SUB-STAGE 3B

50 0 50 100
FEET
GRAPHIC SCALE

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PATRICK a RK&K company

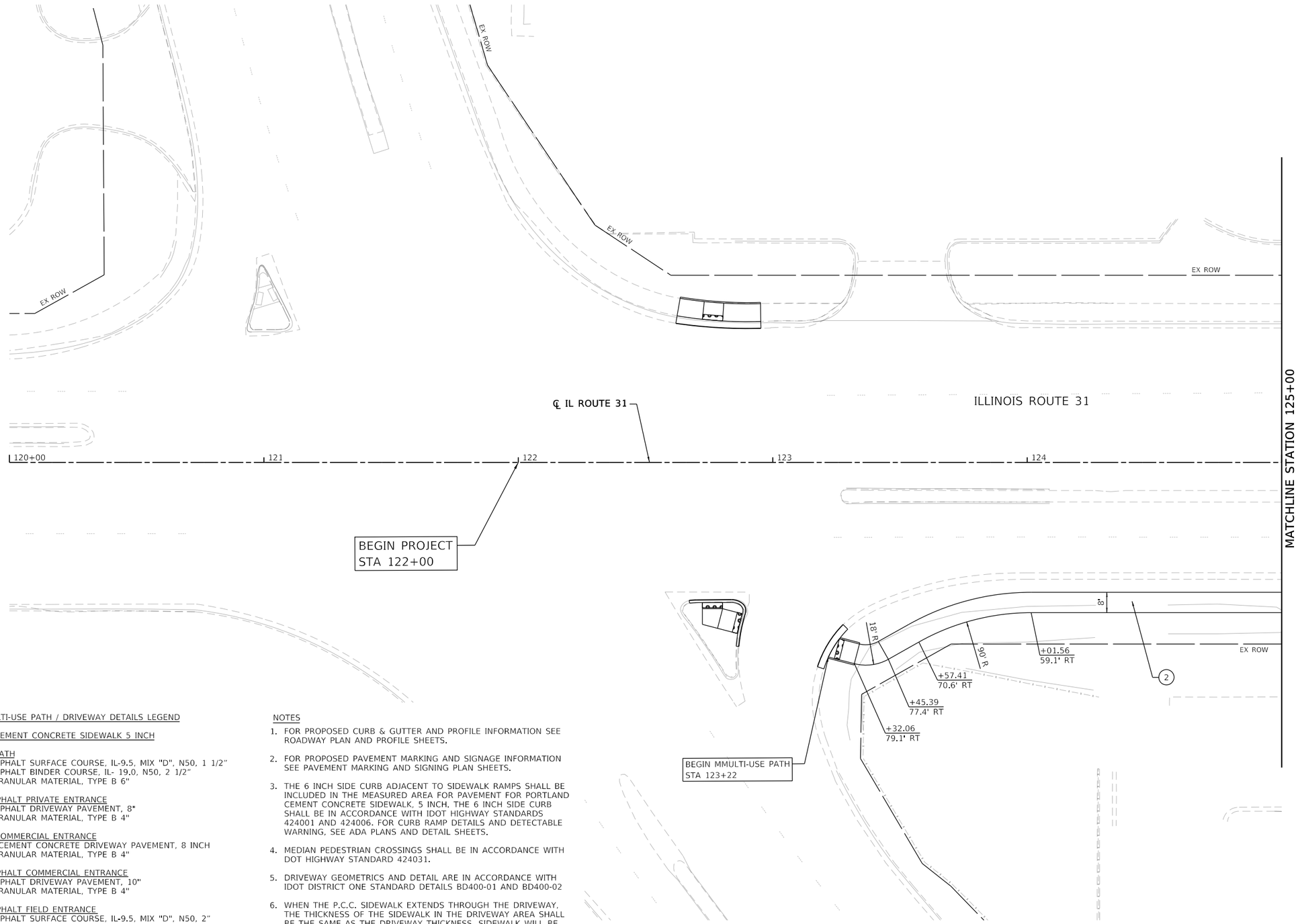
USER NAME = bwitort	DESIGNED - ACN	REVISED -	
	DRAWN - ACN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 INTERSECTION PLAN
AMES ROAD

SCALE: 1"=50' | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	214
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

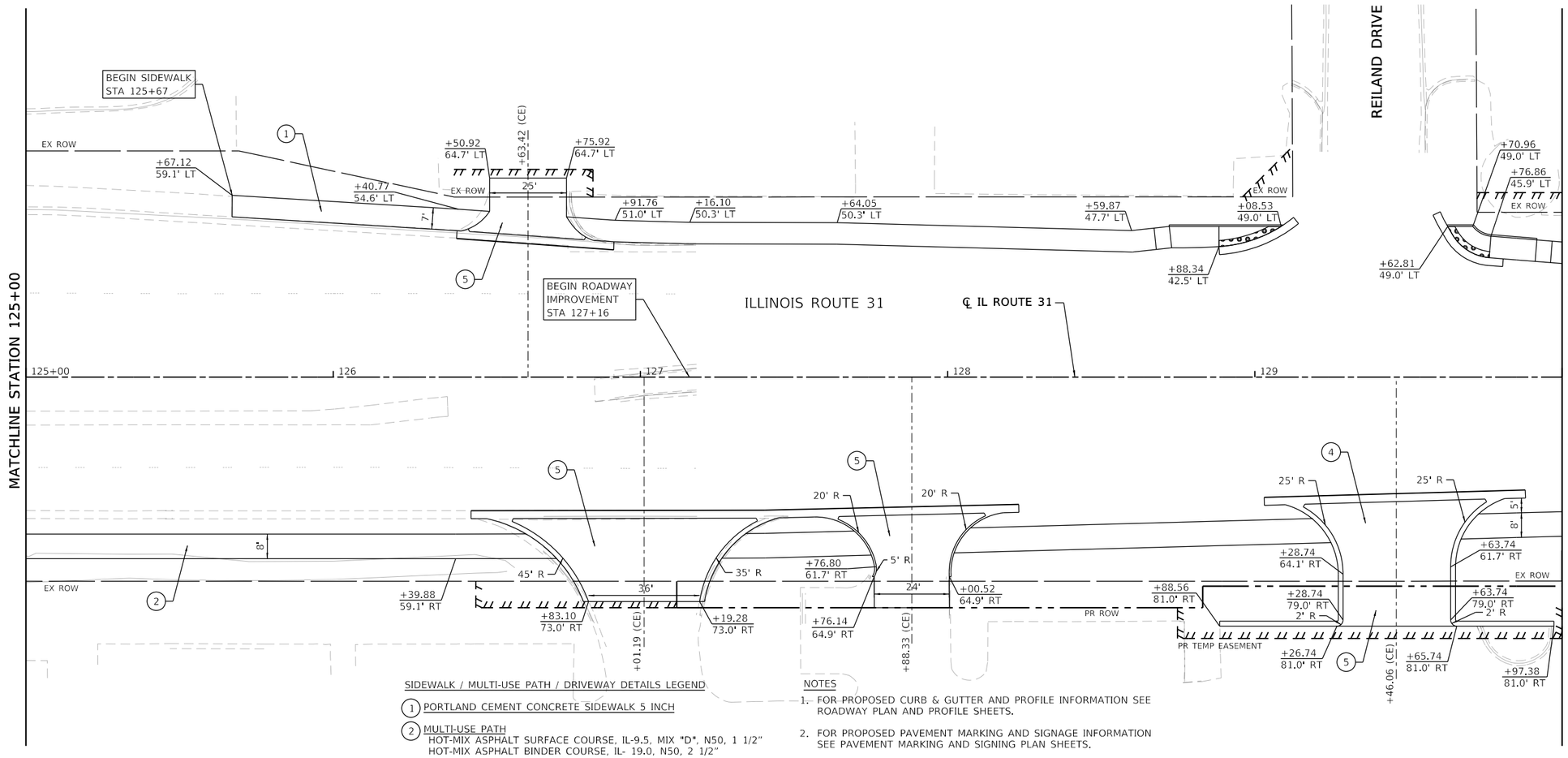
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 1 OF 58 SHEETS | STA. 120+00 | TO STA. 125+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	215
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
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4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

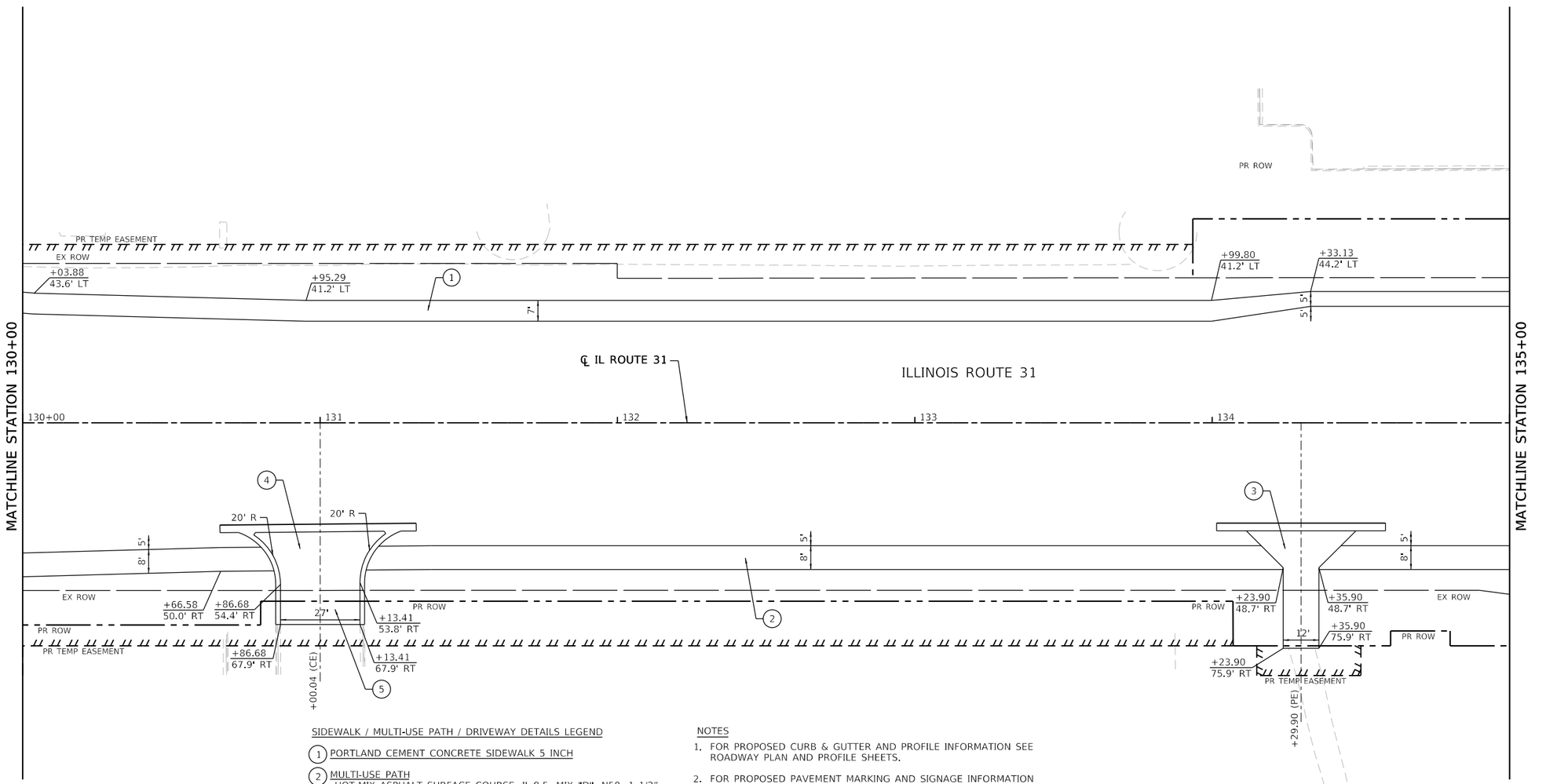
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 2 OF 58 SHEETS | STA. 125+00 TO STA. 130+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	216
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
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4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
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6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 3 OF 58 SHEETS | STA. 130+00 TO STA. 135+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	217
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
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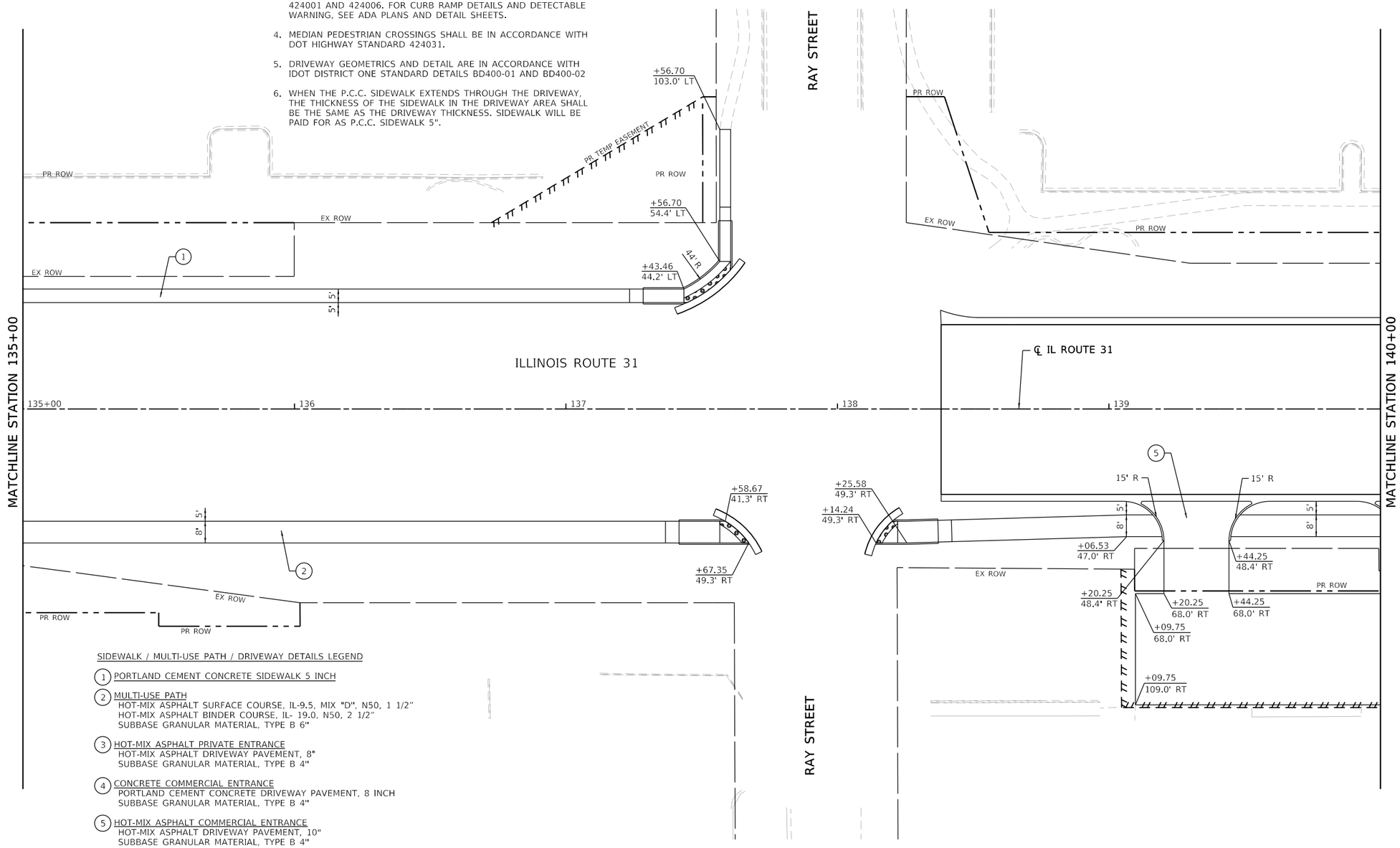

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 4 OF 58 SHEETS | STA. 135+00 TO STA. 140+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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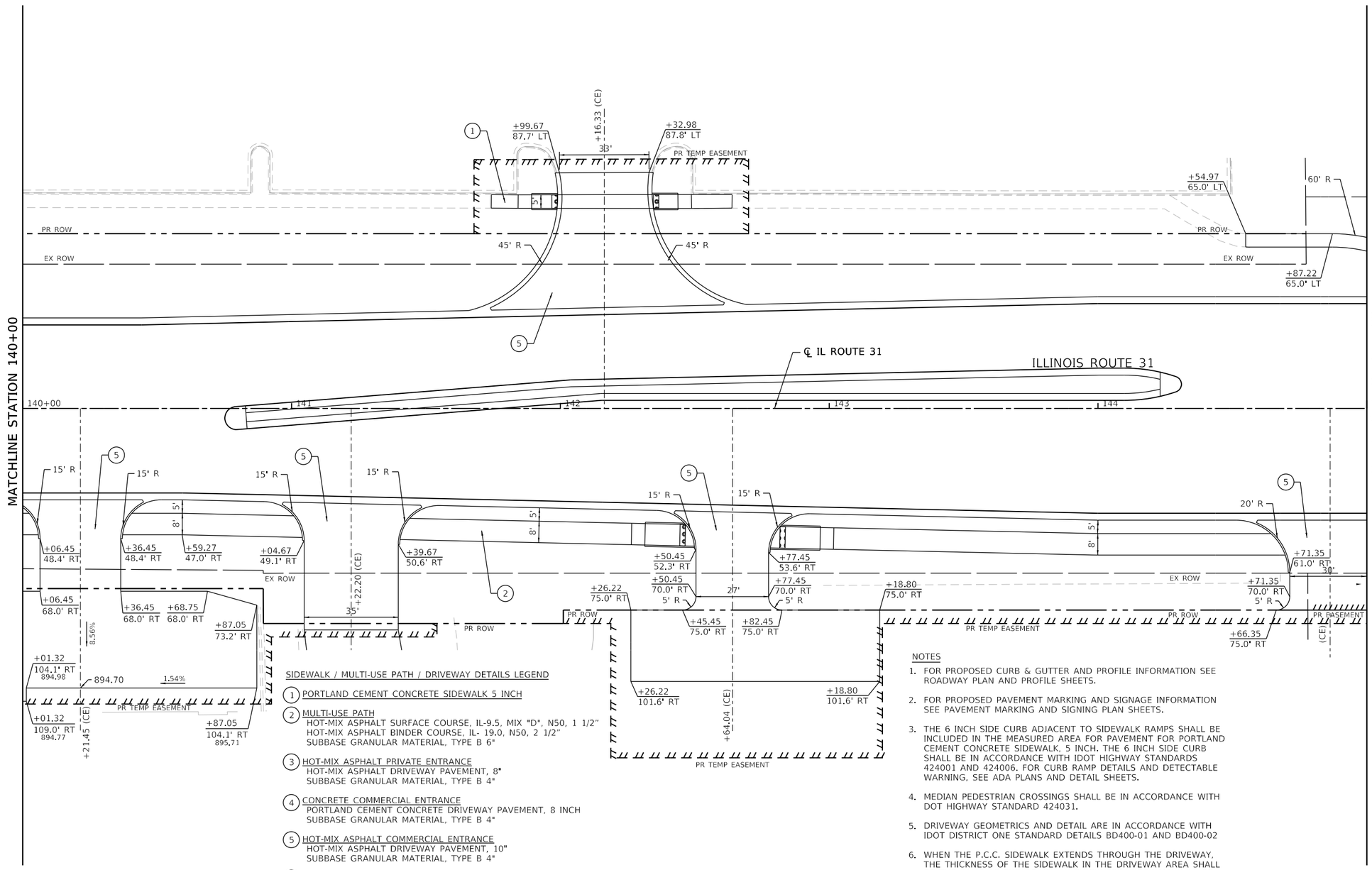
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
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NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
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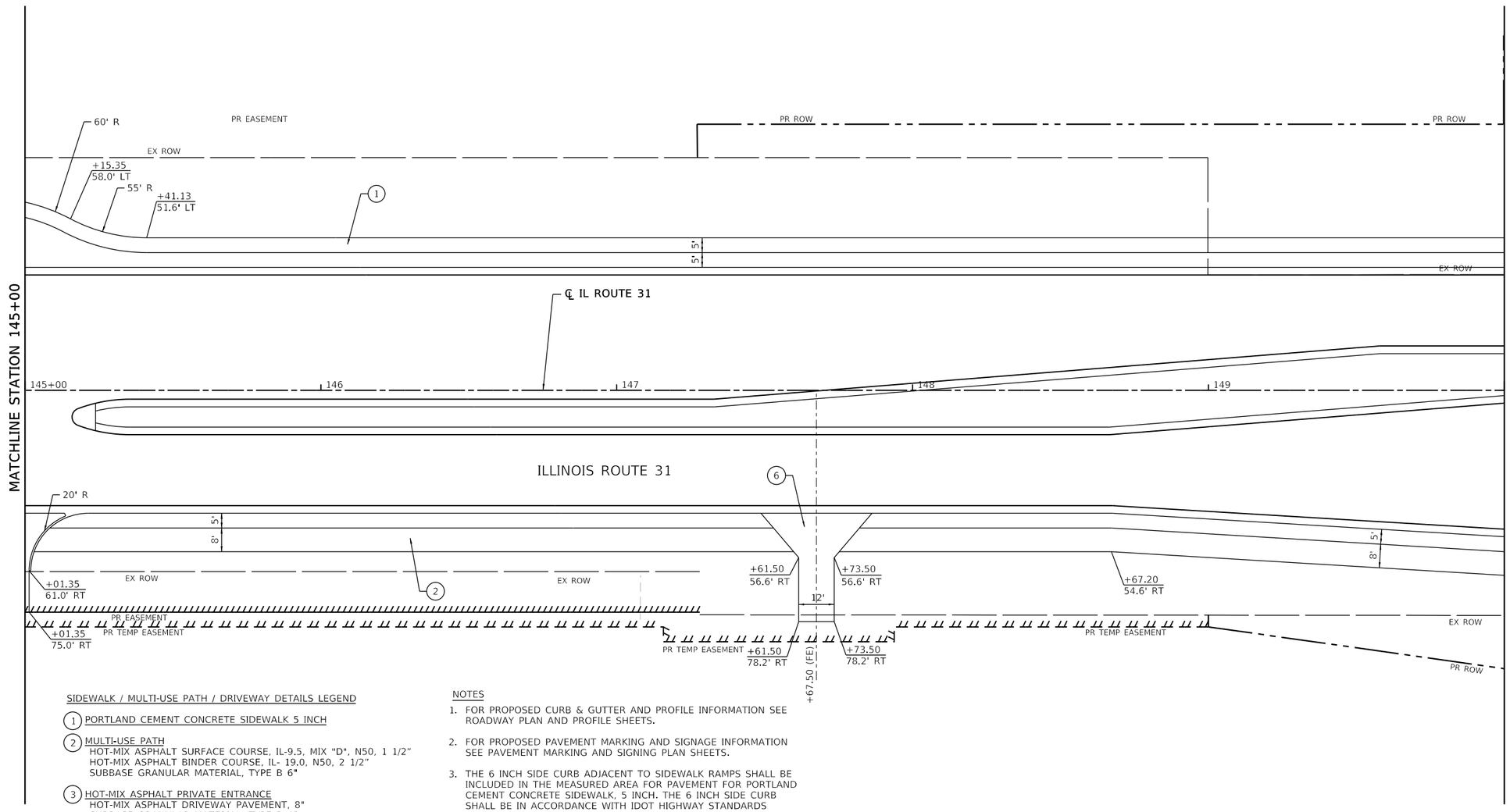
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 5 OF 58 SHEETS | STA. 140+00 TO STA. 145+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	219
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
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(3) HOT-MIX ASPHALT PRIVATE ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(4) CONCRETE COMMERCIAL ENTRANCE
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(5) HOT-MIX ASPHALT COMMERCIAL ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
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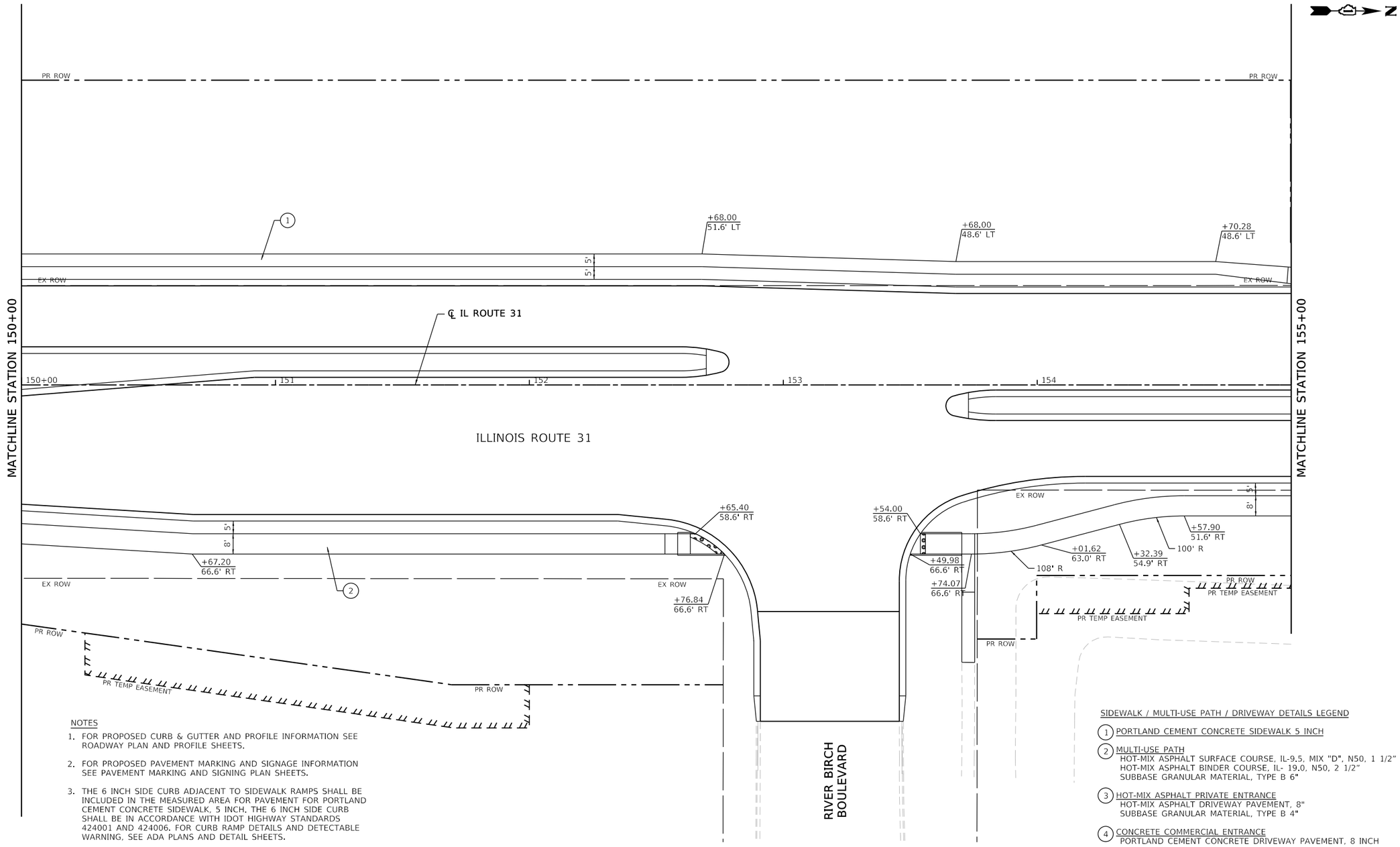
USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS**	F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	336A	2019-196-W&R	McHENRY	835	220
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -					CONTRACT NO. 62K69		
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=20' SHEET 6 OF 58 SHEETS STA. 145+00 TO STA. 150+00			ILLINOIS	FED. AID PROJECT	



NOTES

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SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

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PATRICK a RJR company

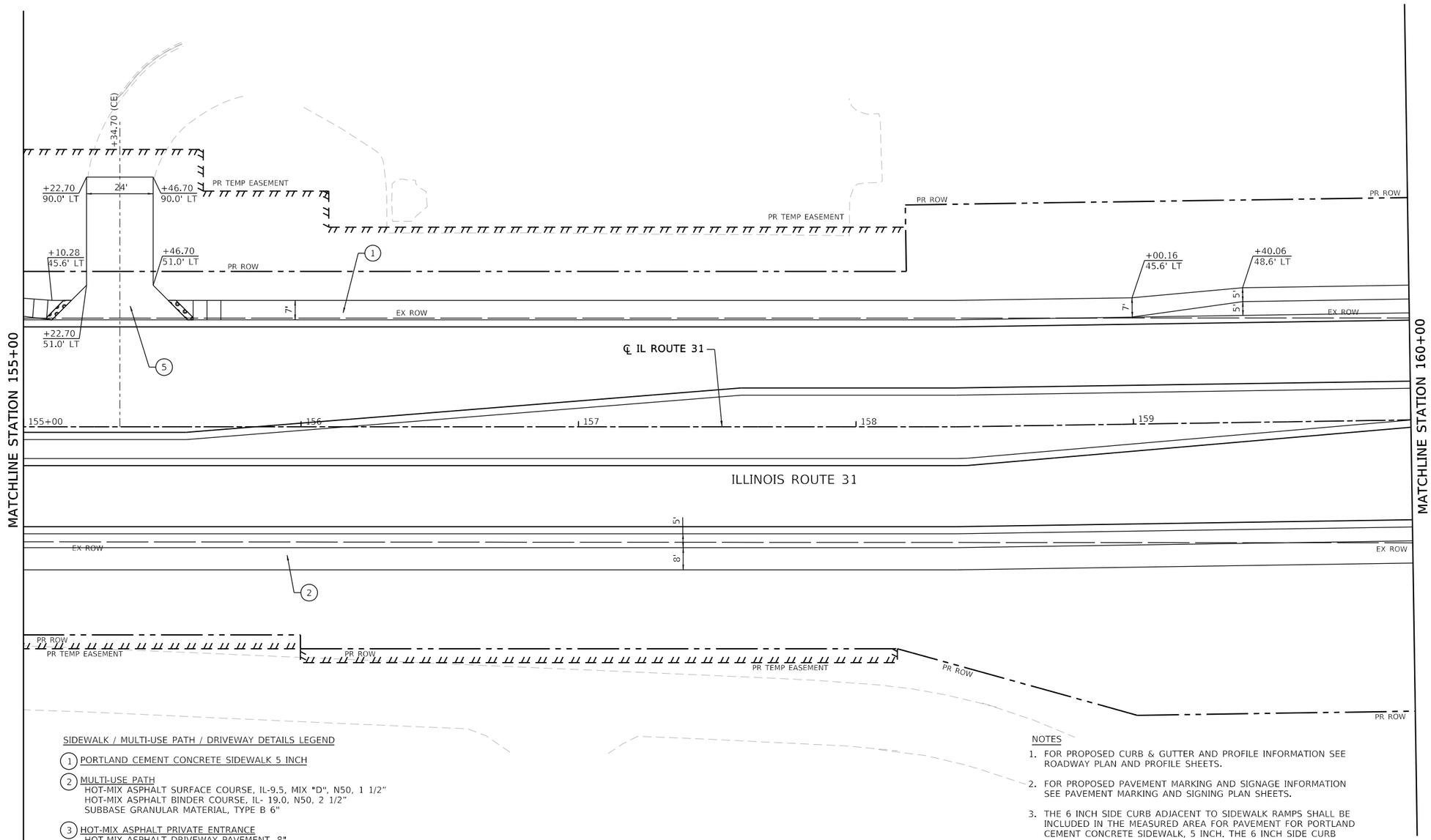
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 7 OF 58 SHEETS | STA. 150+00 TO STA. 155+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	221
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK engineering a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 8 OF 58 SHEETS | STA. 155+00 | TO STA. 160+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	222
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
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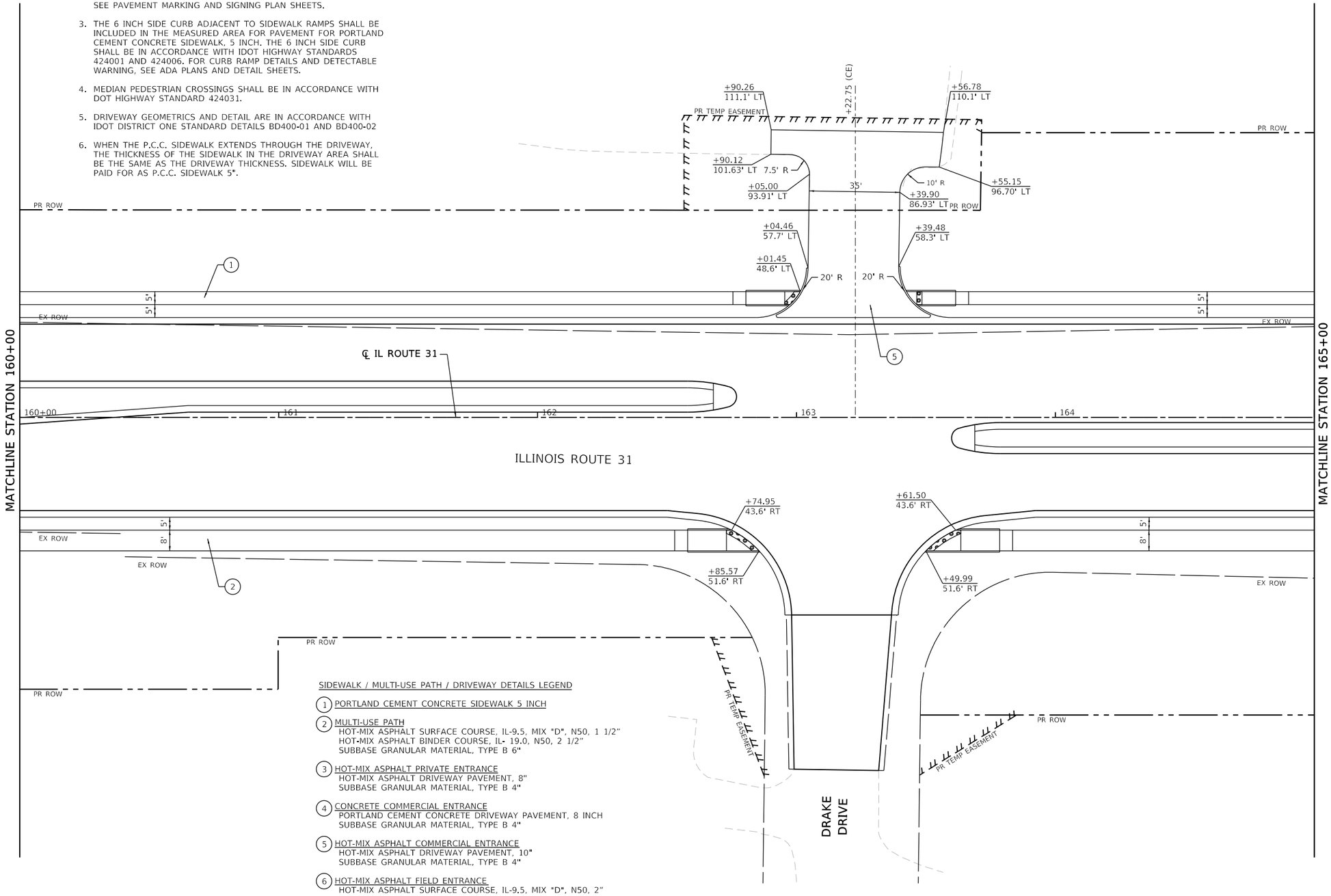

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

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USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 9 OF 58 SHEETS | STA. 160+00 | TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	223
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
SUBBASE GRANULAR MATERIAL, TYPE B 6"

(3) HOT-MIX ASPHALT PRIVATE ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

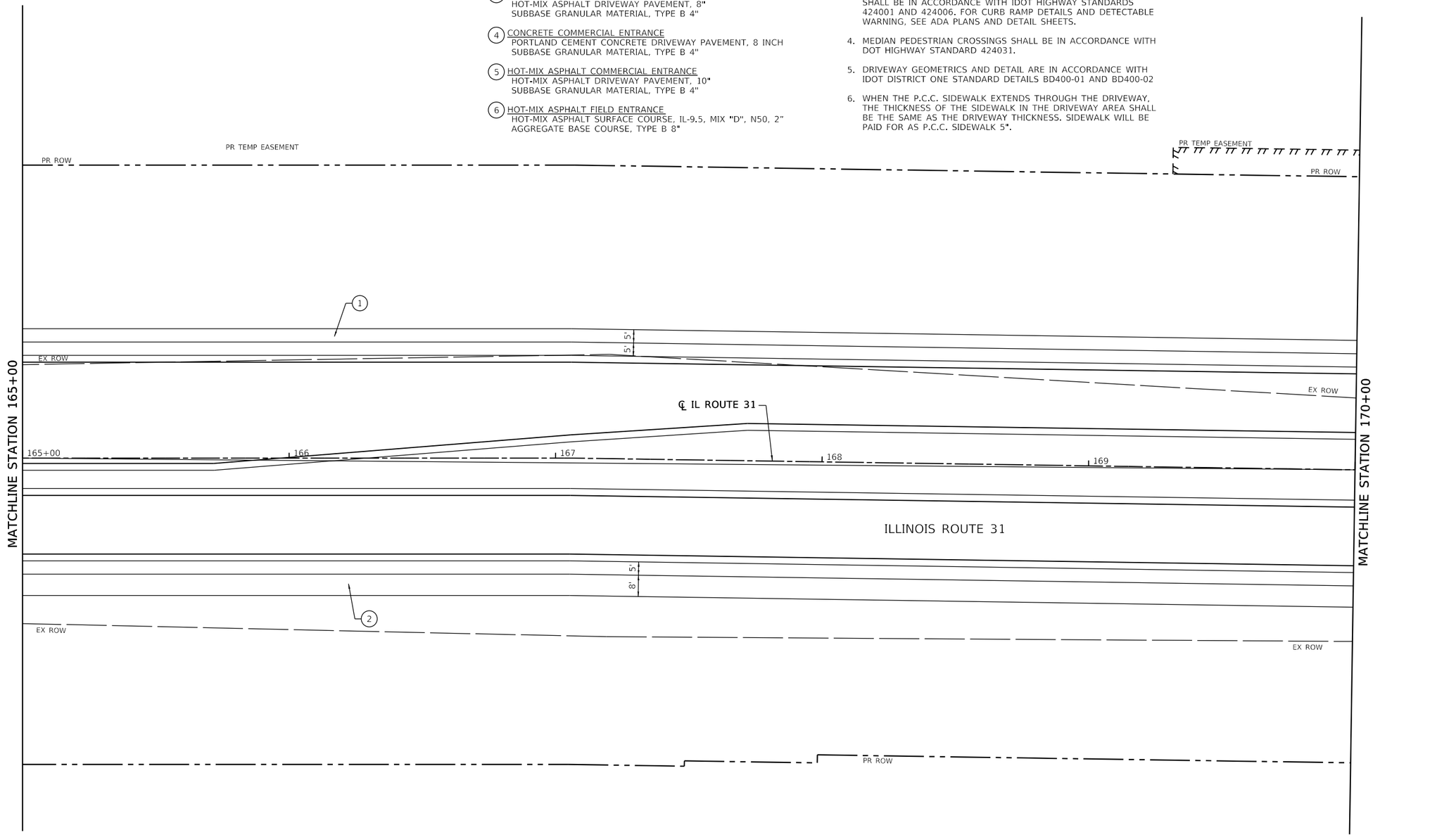
(4) CONCRETE COMMERCIAL ENTRANCE
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(5) HOT-MIX ASPHALT COMMERCIAL ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(6) HOT-MIX ASPHALT FIELD ENTRANCE
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".



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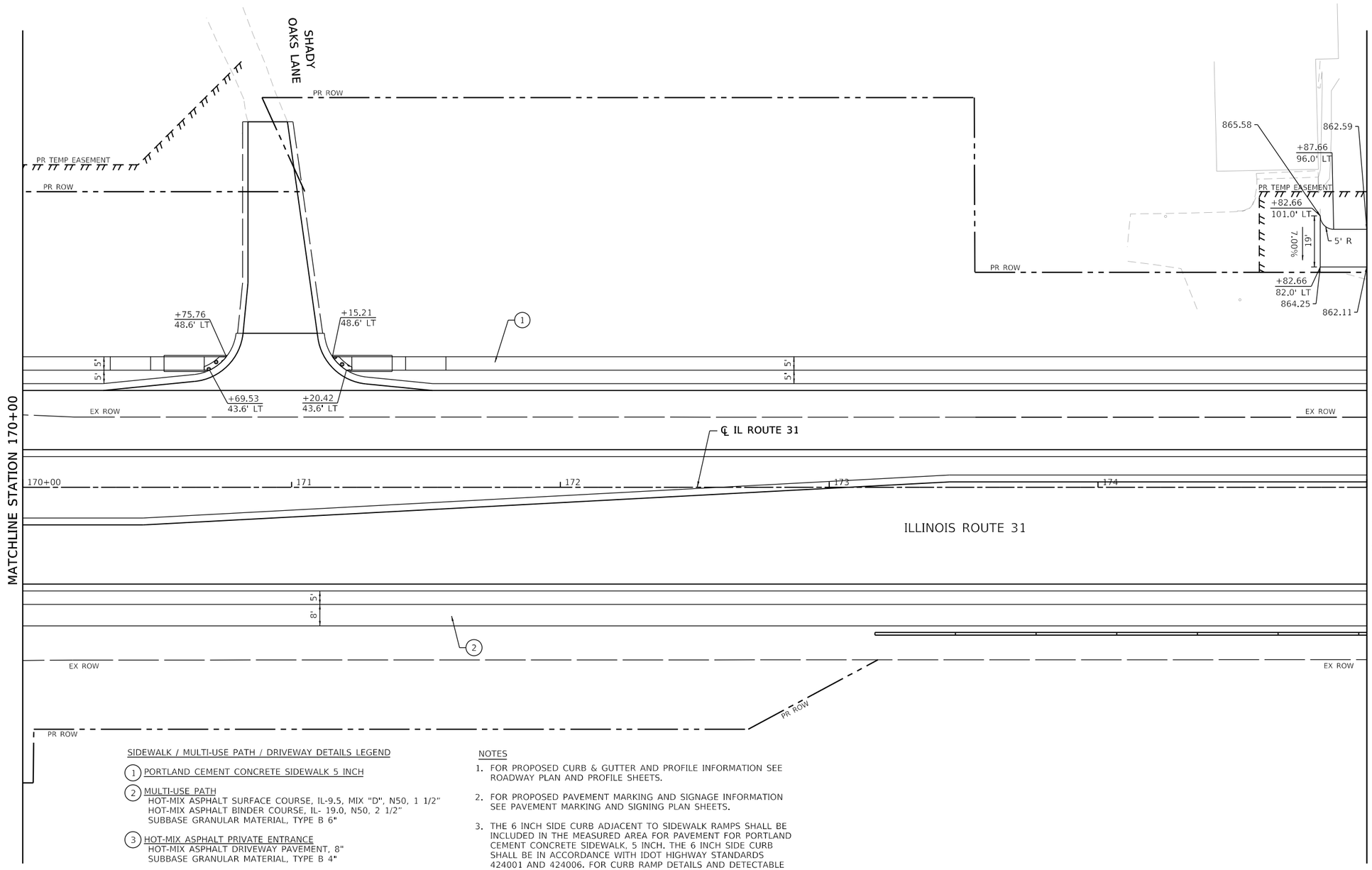
PATRICK a RJN company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - EJB	REVISED -	
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 10 OF 58 SHEETS | STA. 165+00 | TO STA. 170+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	224
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
SUBBASE GRANULAR MATERIAL, TYPE B 6"

(3) HOT-MIX ASPHALT PRIVATE ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(4) CONCRETE COMMERCIAL ENTRANCE
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(5) HOT-MIX ASPHALT COMMERCIAL ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(6) HOT-MIX ASPHALT FIELD ENTRANCE
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

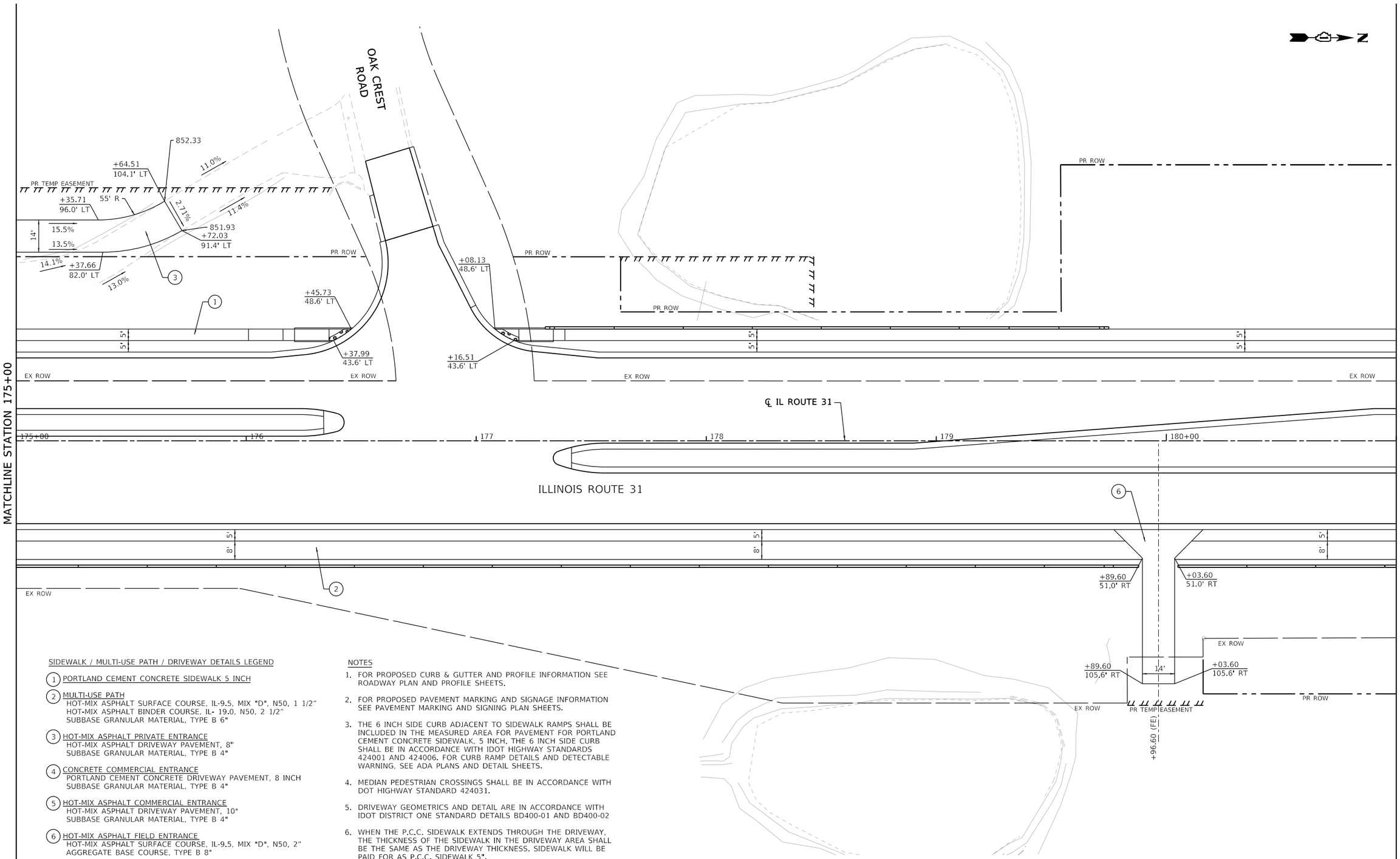
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 11 OF 58 SHEETS | STA. 170+00 | TO STA. 175+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	225
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
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6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 12 OF 58 SHEETS | STA. 175+00 TO STA. 181+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	226
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
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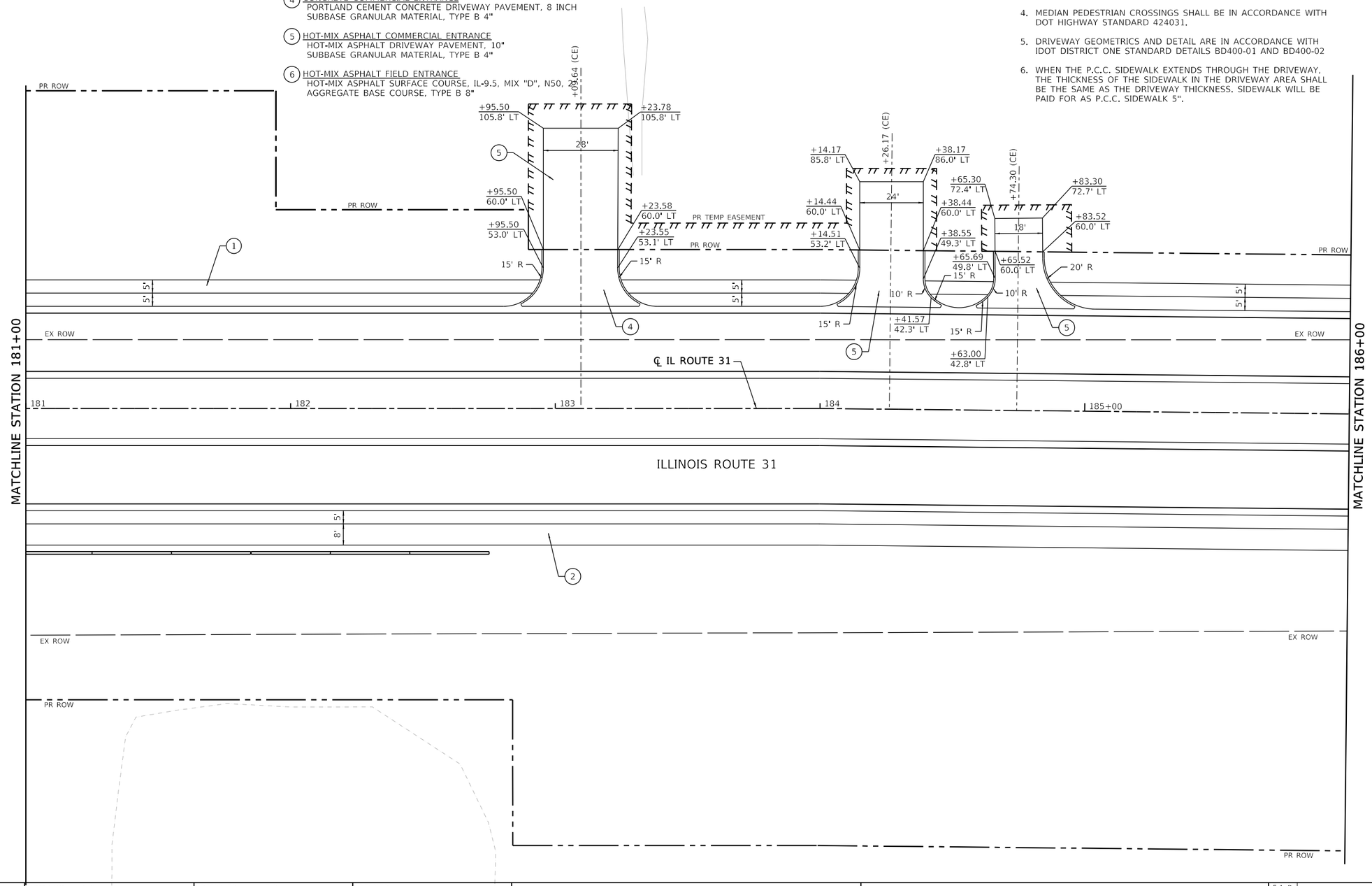

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PATRICK a Rajah company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 13 OF 58 SHEETS | STA. 181+00 TO STA. 186+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	227
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
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   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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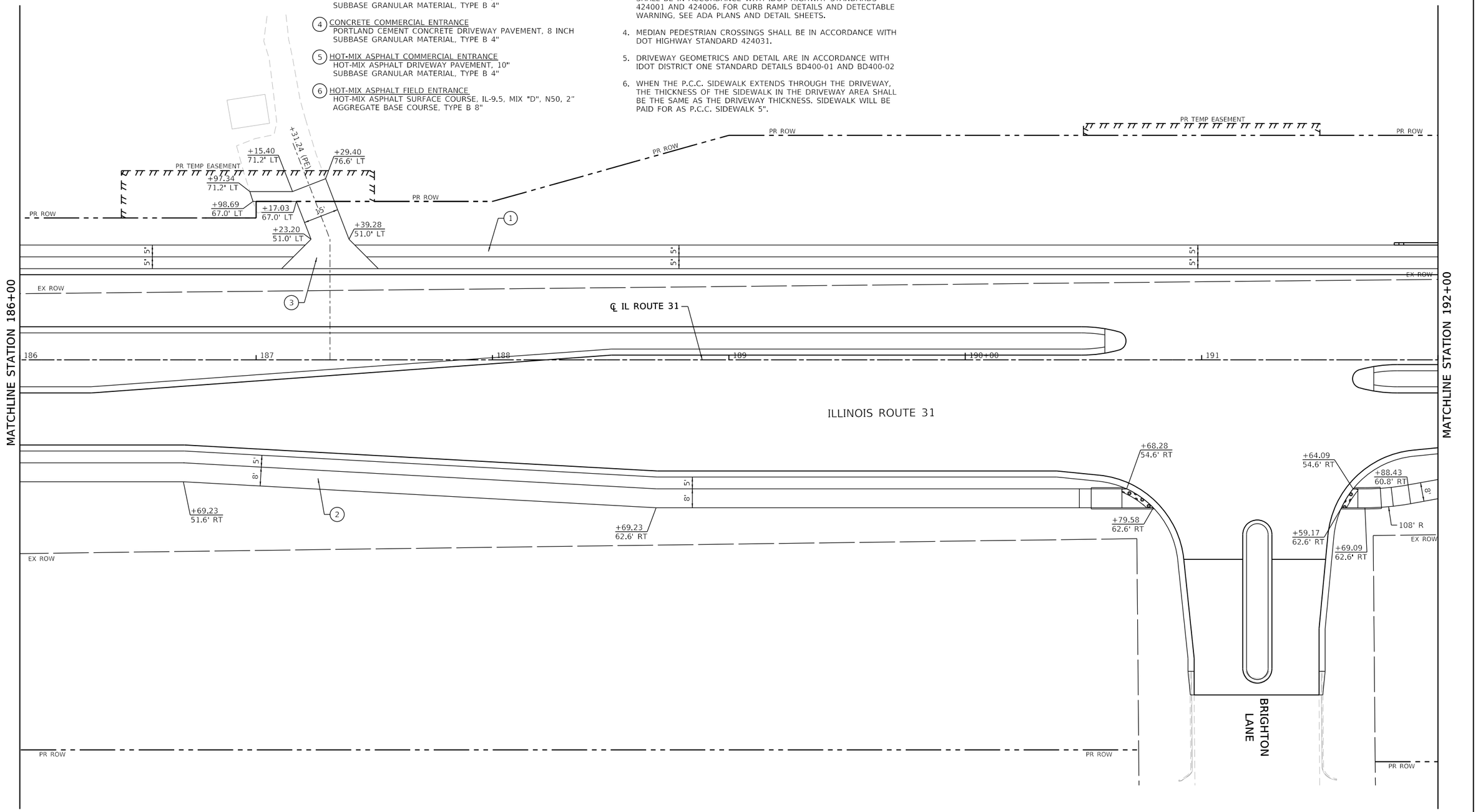
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".



USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS ILLINOIS ROUTE 31**	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=20' SHEET 14 OF 58 SHEETS STA. 186+00 TO STA. 192+00	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	228
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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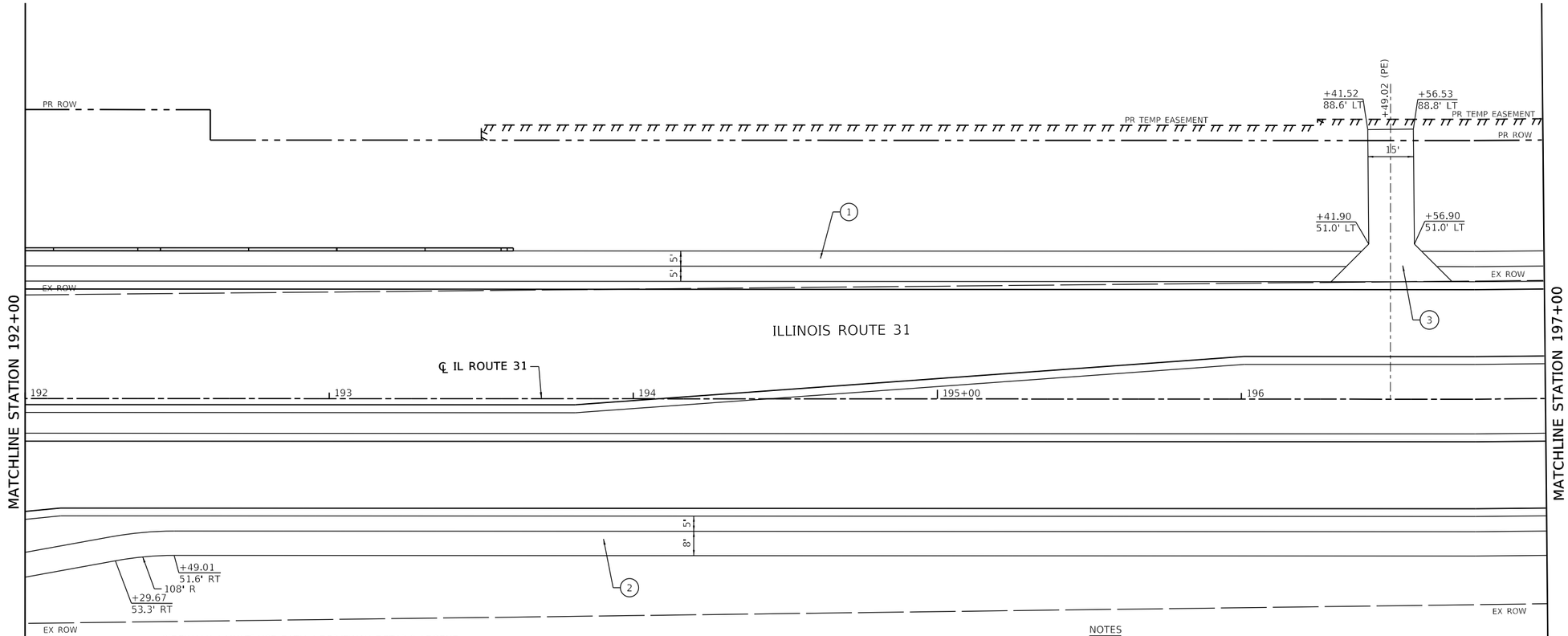

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
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6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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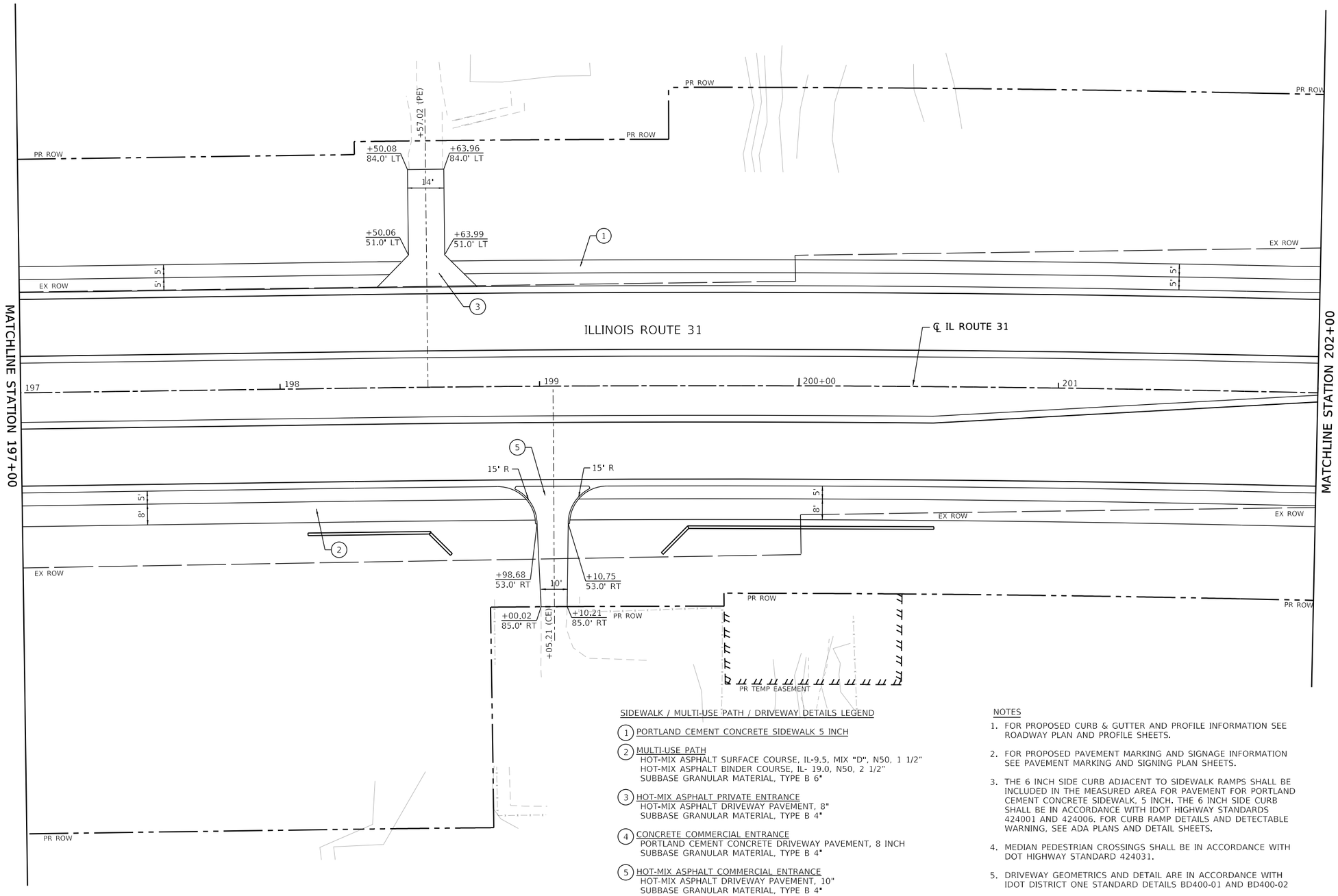
PATRICK a RJR company	USER NAME = bwitort	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0001 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/3/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 15 OF 58 SHEETS | STA. 192+00 TO STA. 197+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	229
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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PATRICK a RJR company

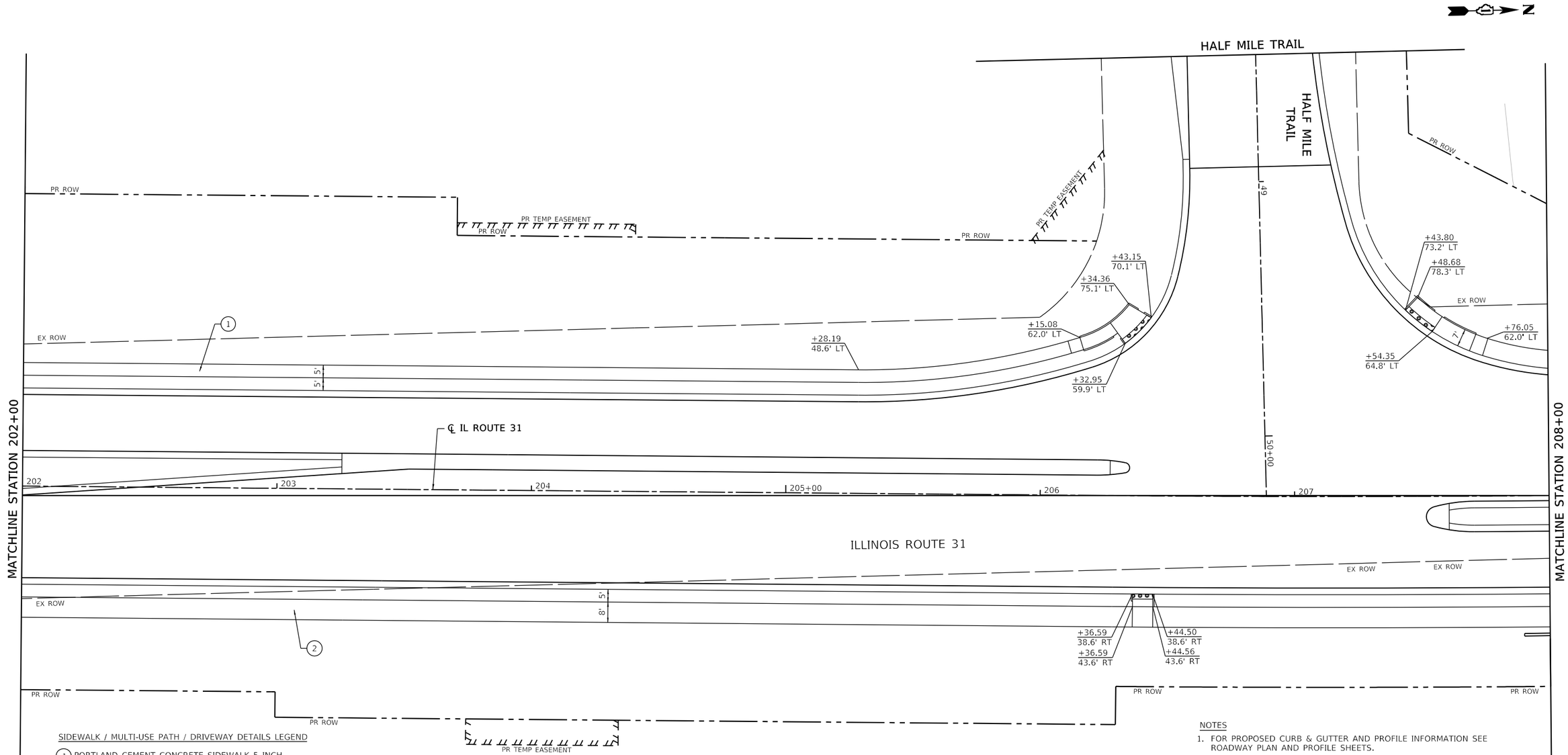
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0001 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 16 OF 58 SHEETS | STA. 197+00 TO STA. 202+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	230
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 17 OF 58 SHEETS | STA. 202+00 TO STA. 208+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	231
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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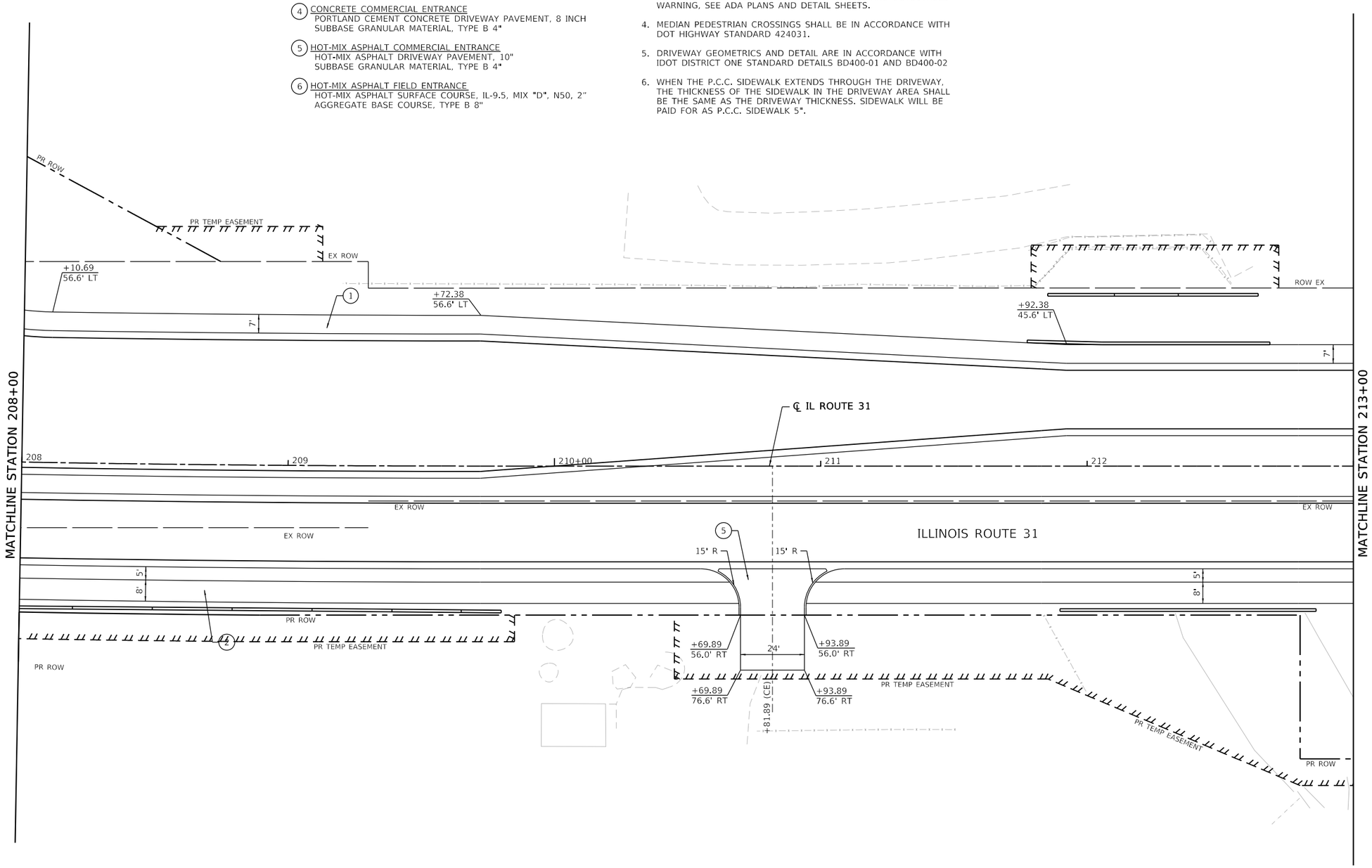

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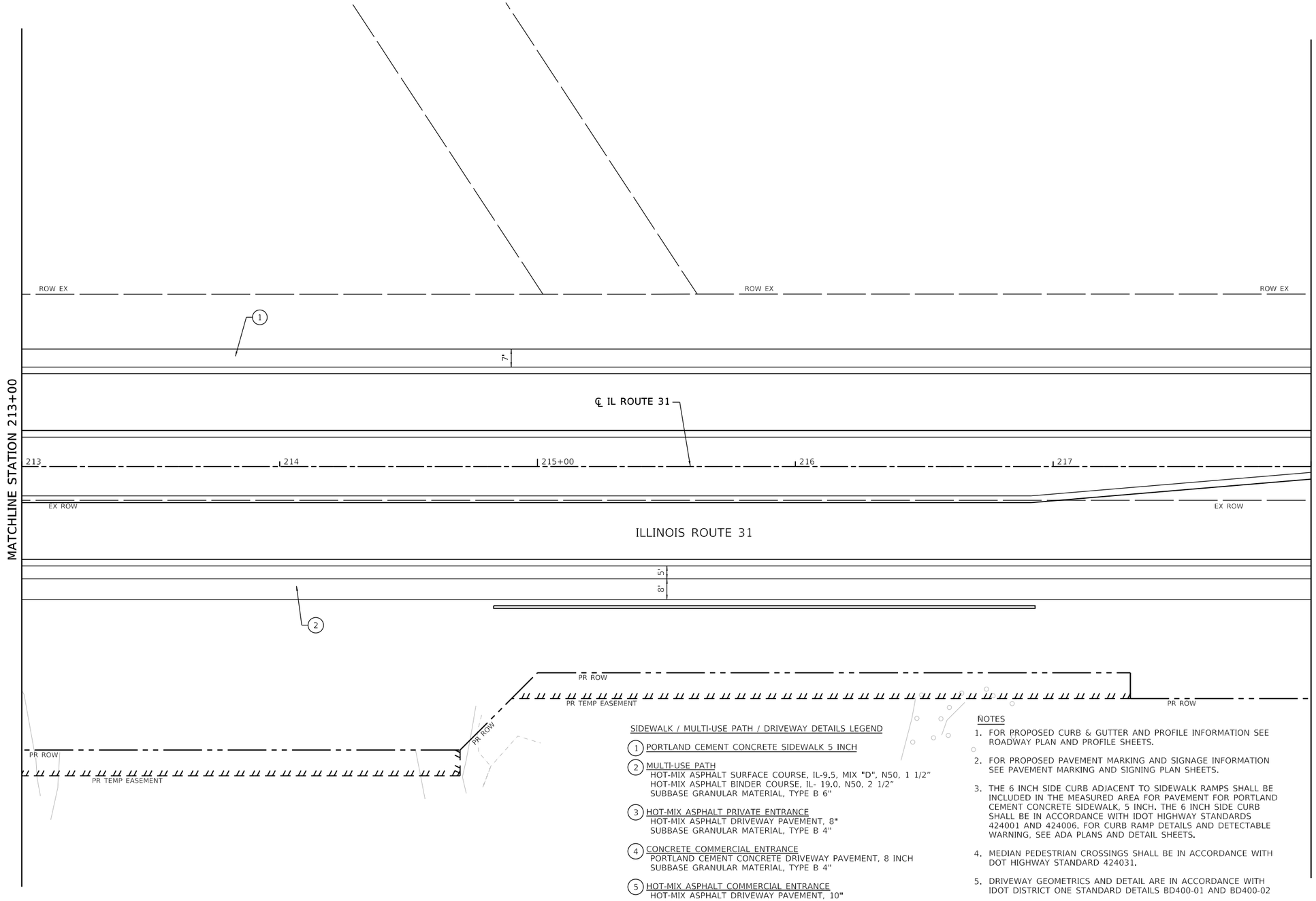
USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 18 OF 58 SHEETS | STA. 208+00 TO STA. 213+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	232
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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PATRICK a RSR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 19 OF 58 SHEETS | STA. 213+00 TO STA. 218+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	233
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
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3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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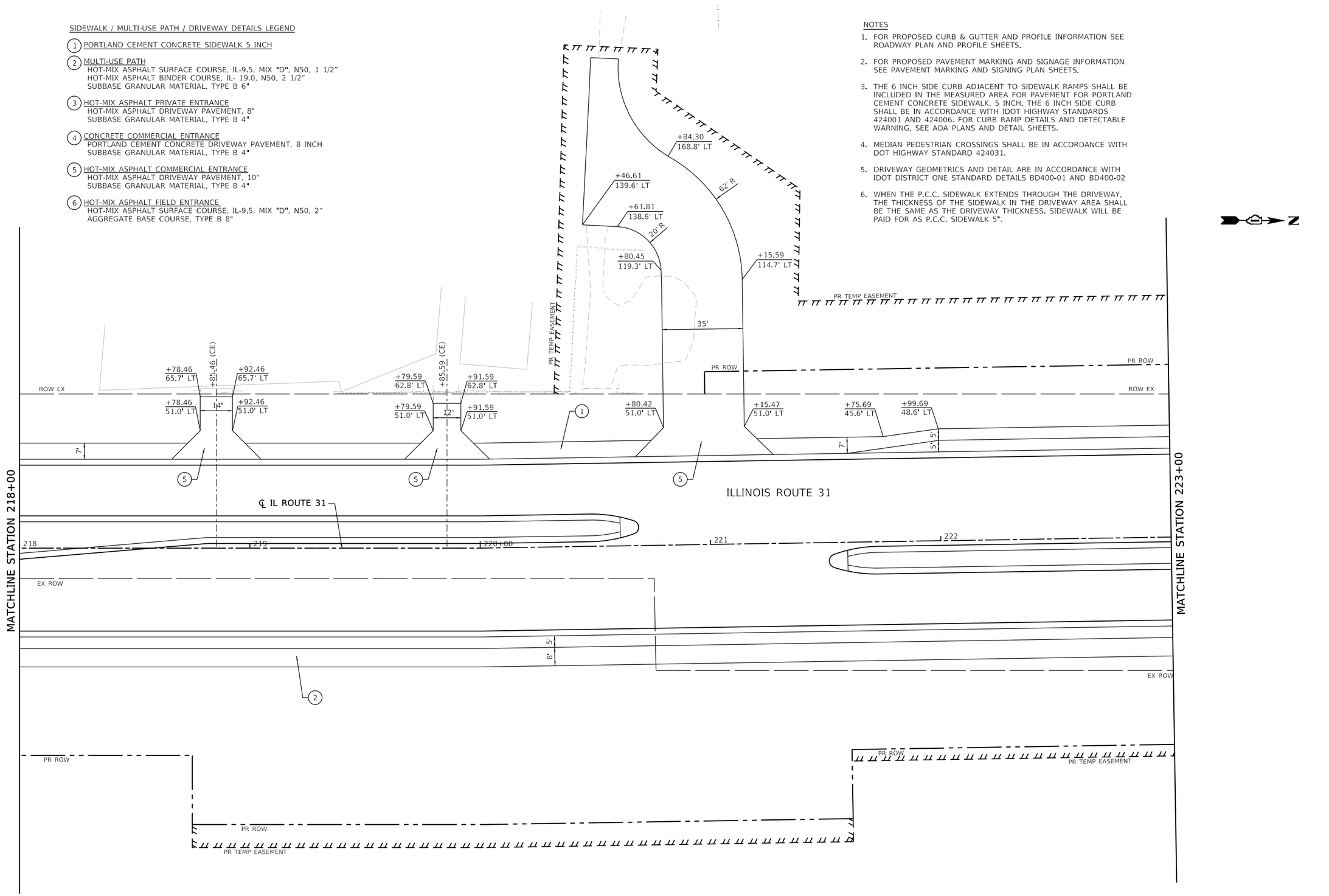

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=20'	SHEET 20 OF 58 SHEETS STA. 218+00 TO STA. 223+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	234
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
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1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
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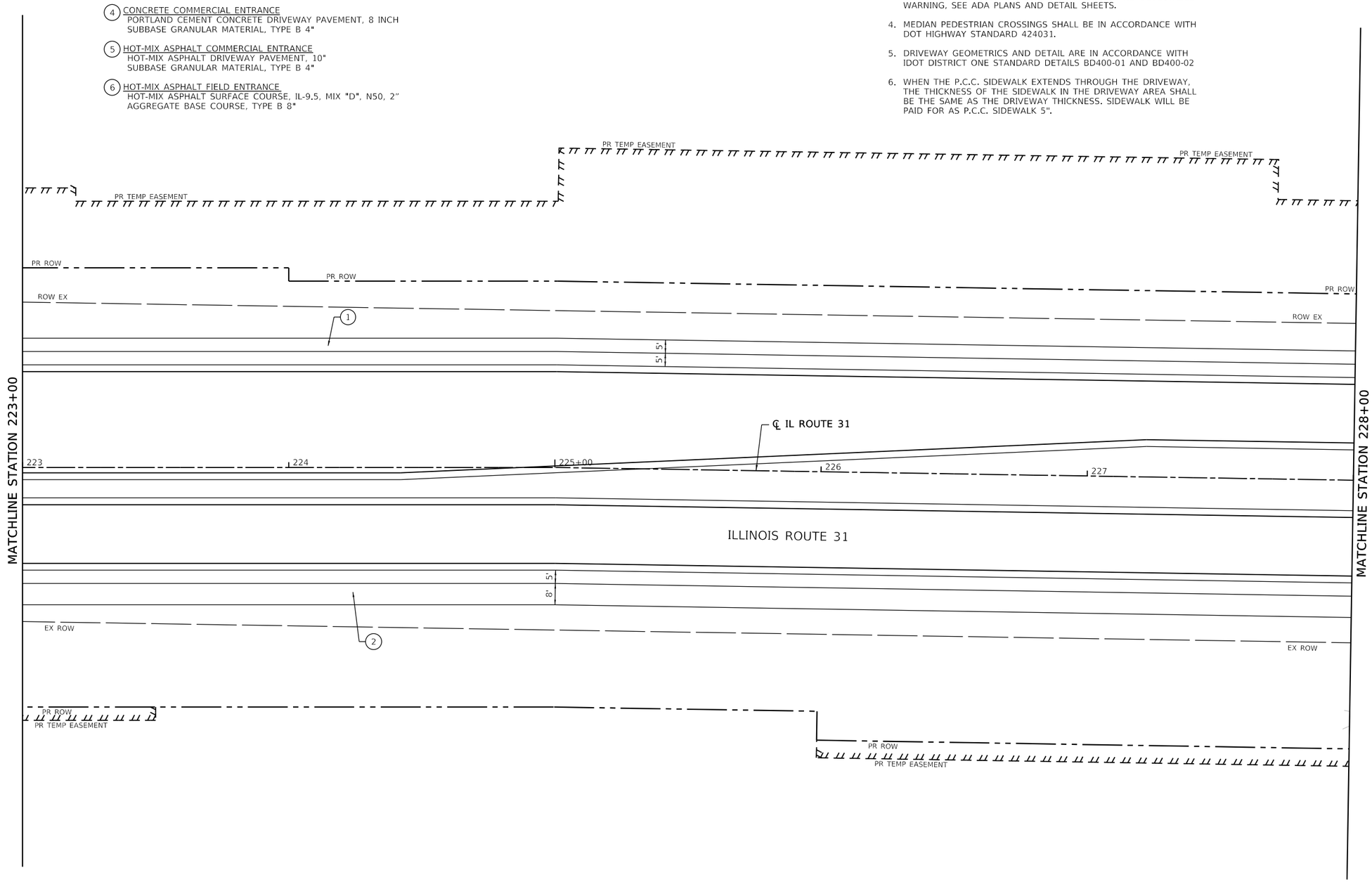
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".



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PATRICK a RJR company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS ILLINOIS ROUTE 31
		DRAWN - EJB	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=20' SHEET 21 OF 58 SHEETS STA. 223+00 TO STA. 228+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	235
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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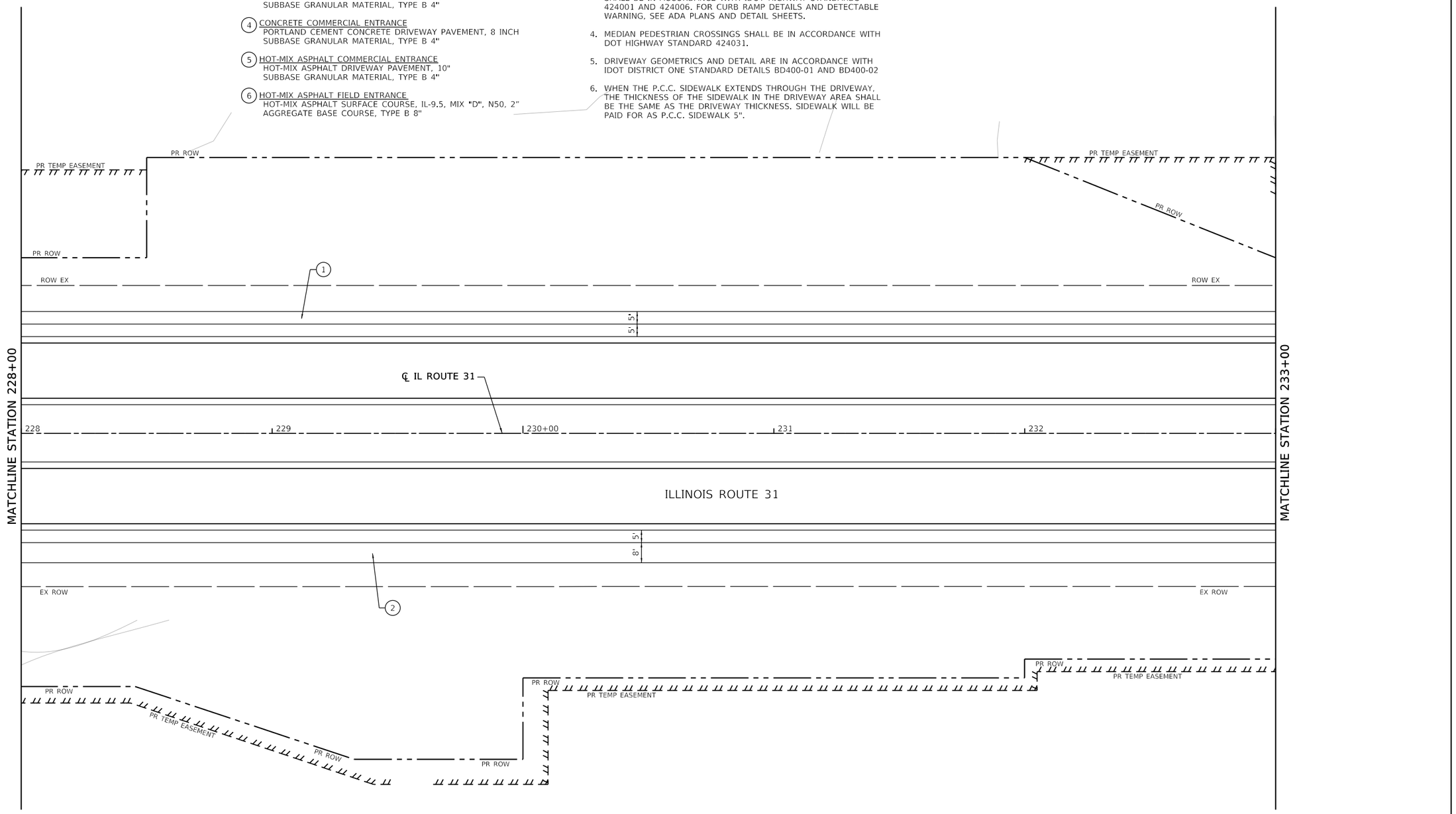

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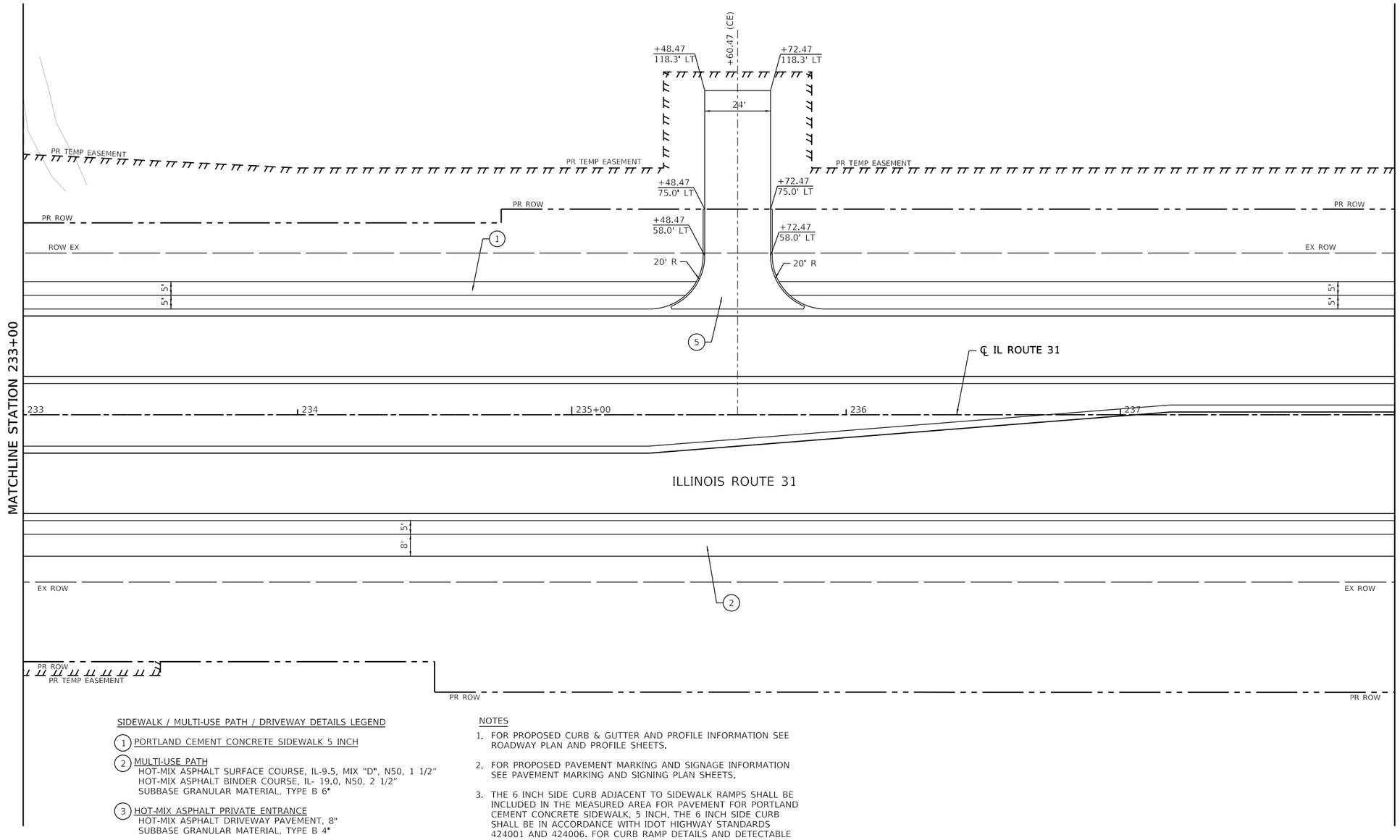
USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 22 OF 58 SHEETS | STA. 228+00 TO STA. 233+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	236
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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PATRICK a RJR company

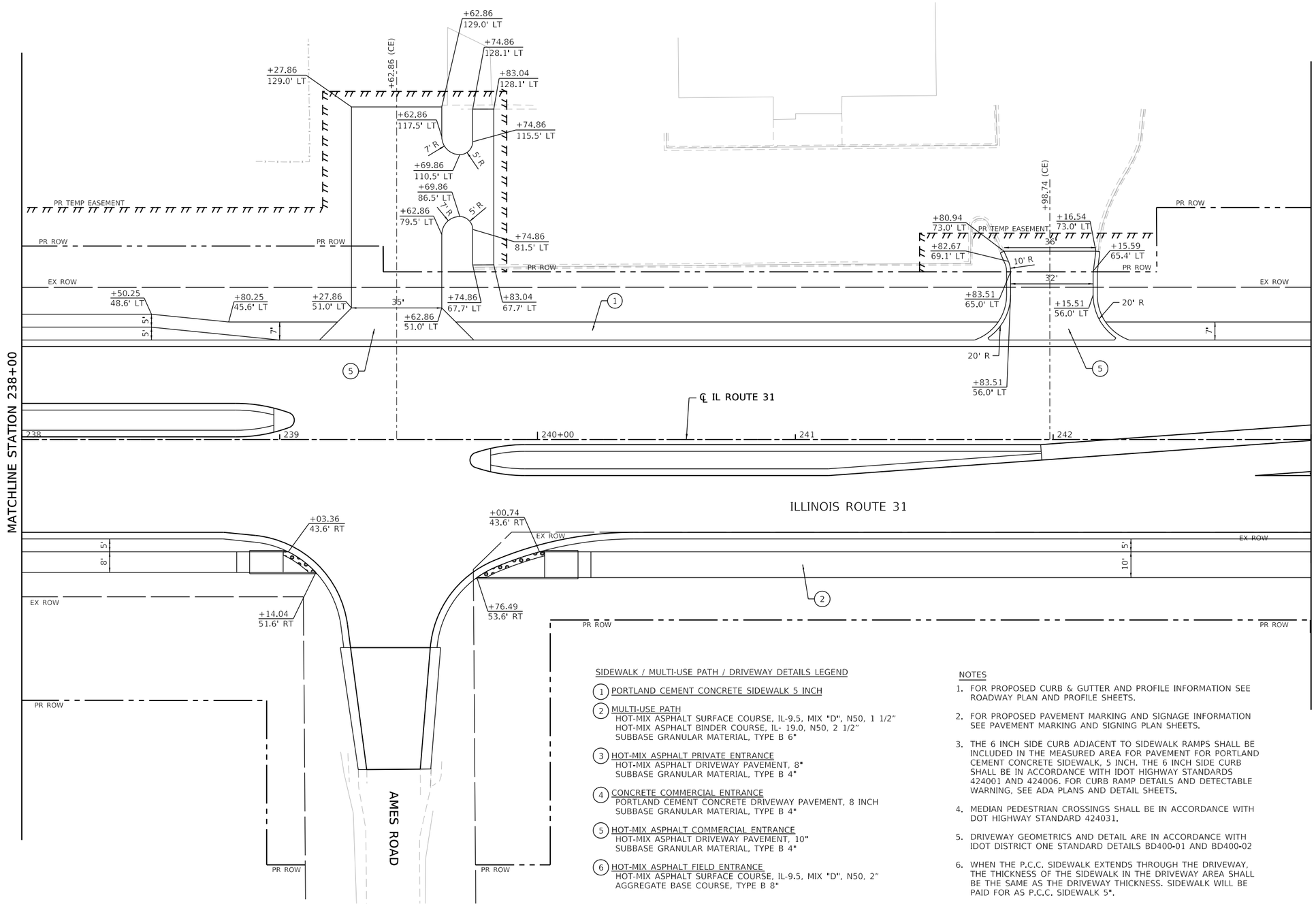
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 23 OF 58 SHEETS | STA. 233+00 TO STA. 238+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	237
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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PATRICK a RJR company

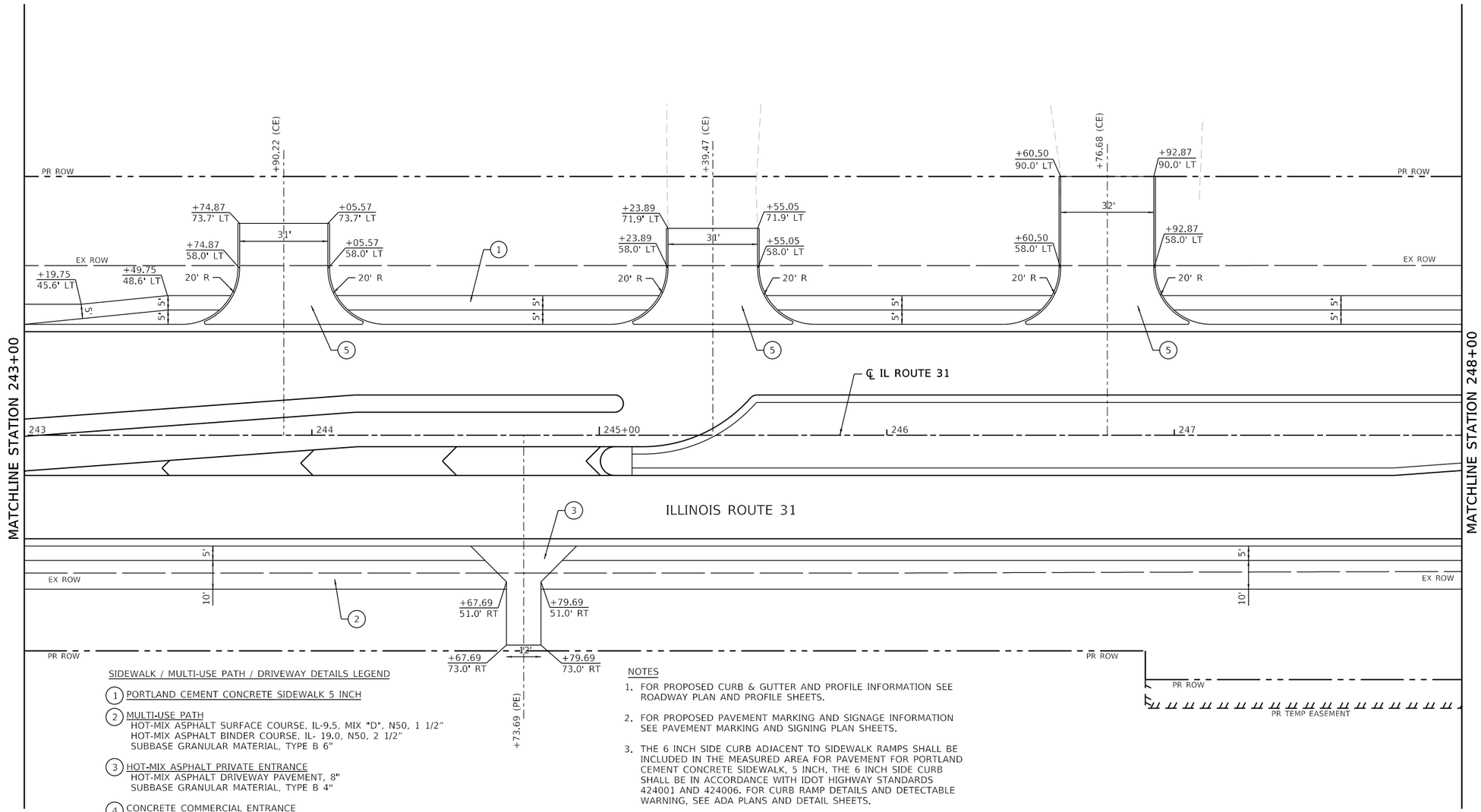
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 24 OF 58 SHEETS | STA. 238+00 TO STA. 243+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	238
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
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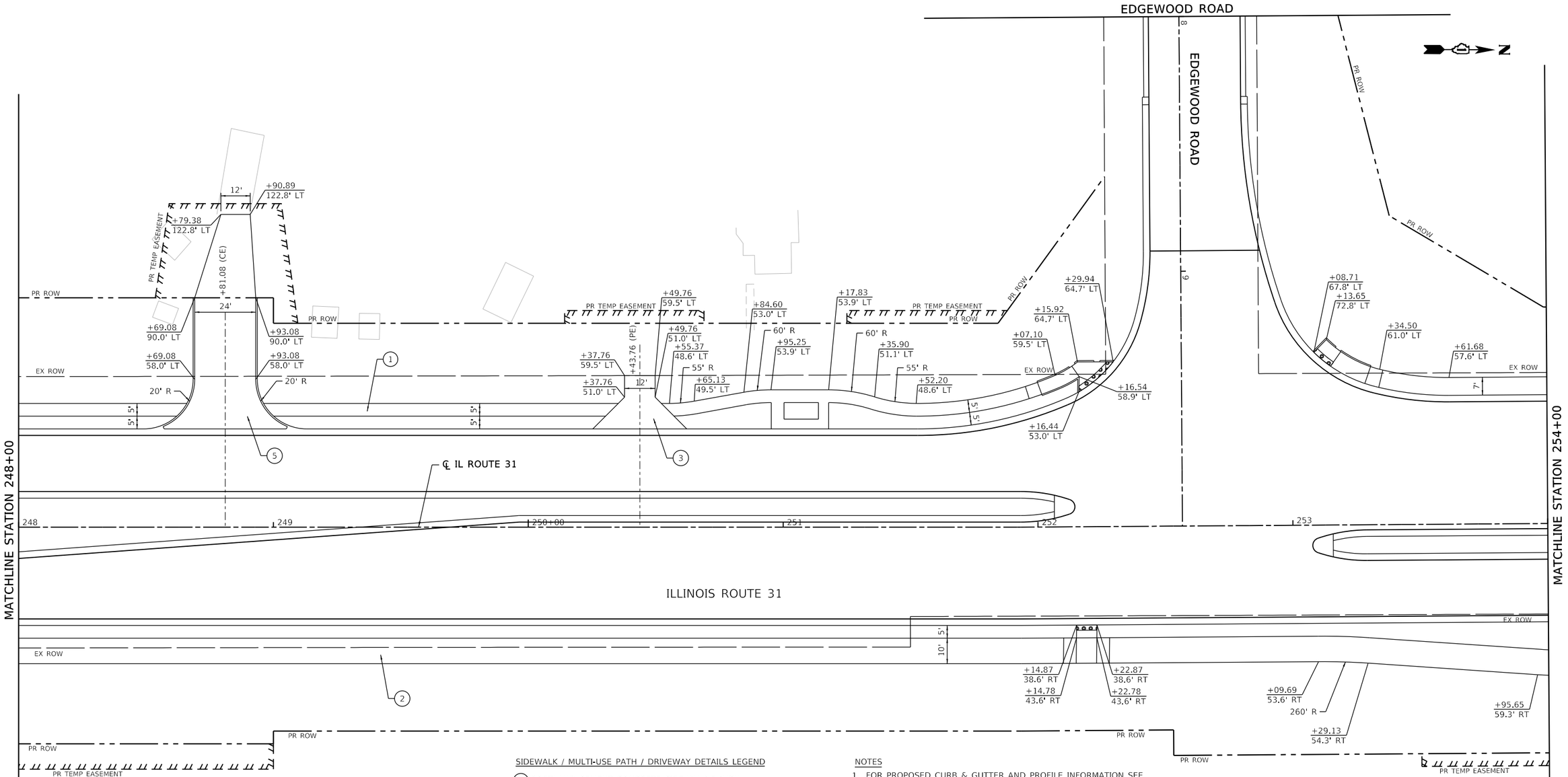
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 25 OF 58 SHEETS | STA. 243+00 TO STA. 248+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	239
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 26 OF 58 SHEETS | STA. 248+00 TO STA. 254+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	240
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

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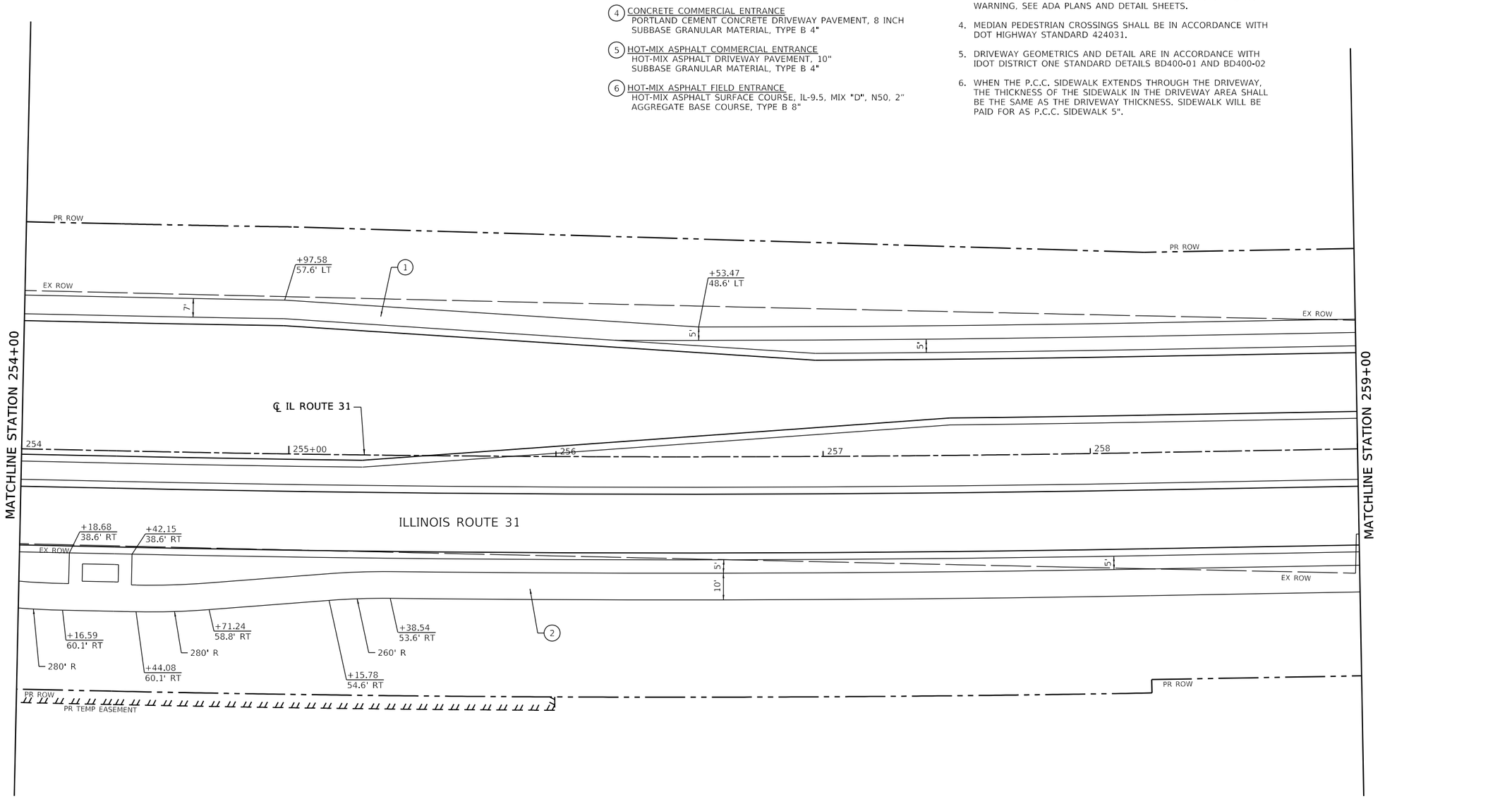

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 27 OF 58 SHEETS | STA. 254+00 TO STA. 259+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	241
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
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HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
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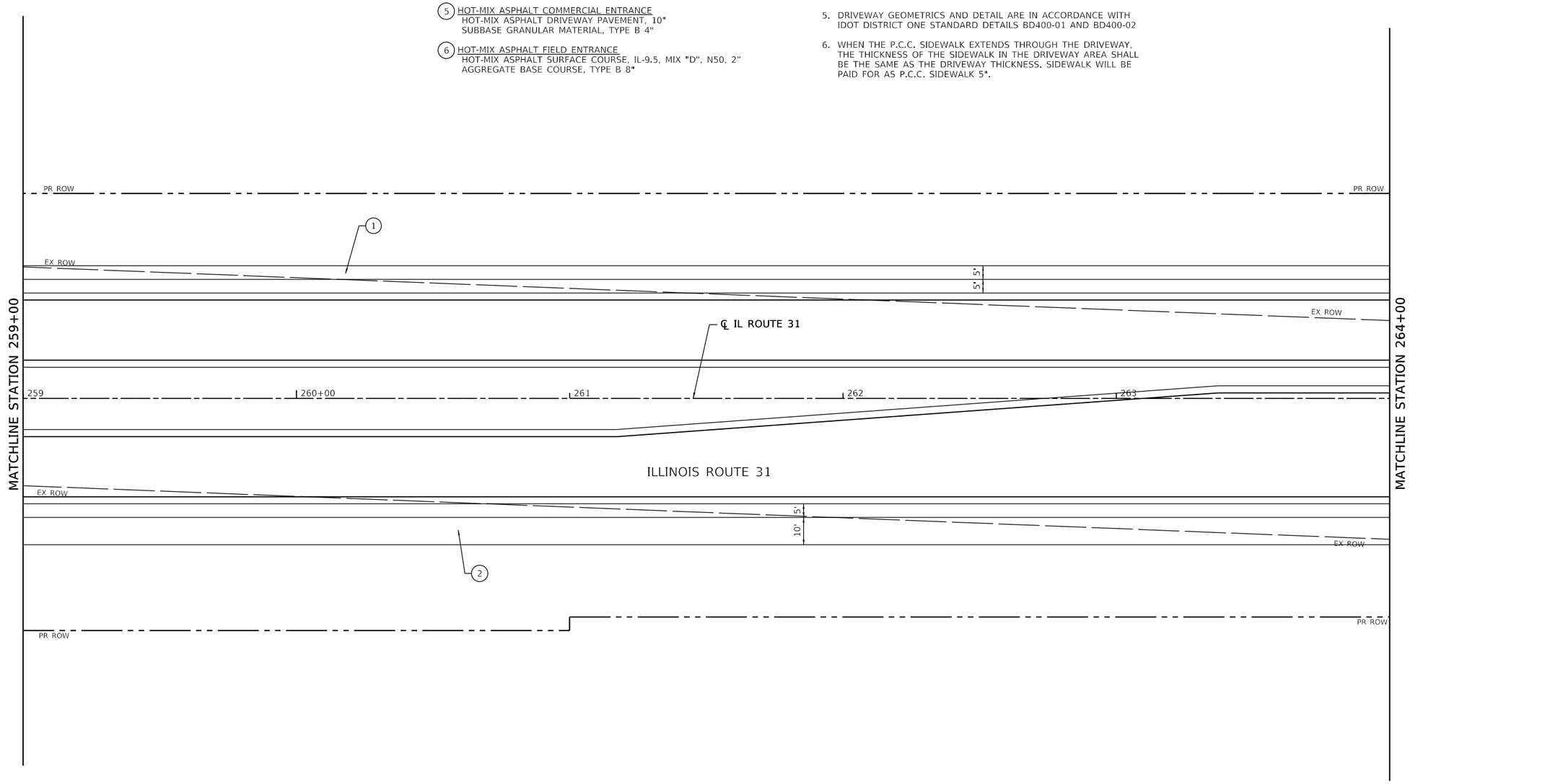
NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".



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PATRICK a MJR company

USER NAME = bwitort		DESIGNED - EJB	REVISED -	
		DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.		CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024		DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 28 OF 58 SHEETS | STA. 259+00 | TO STA. 264+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	242
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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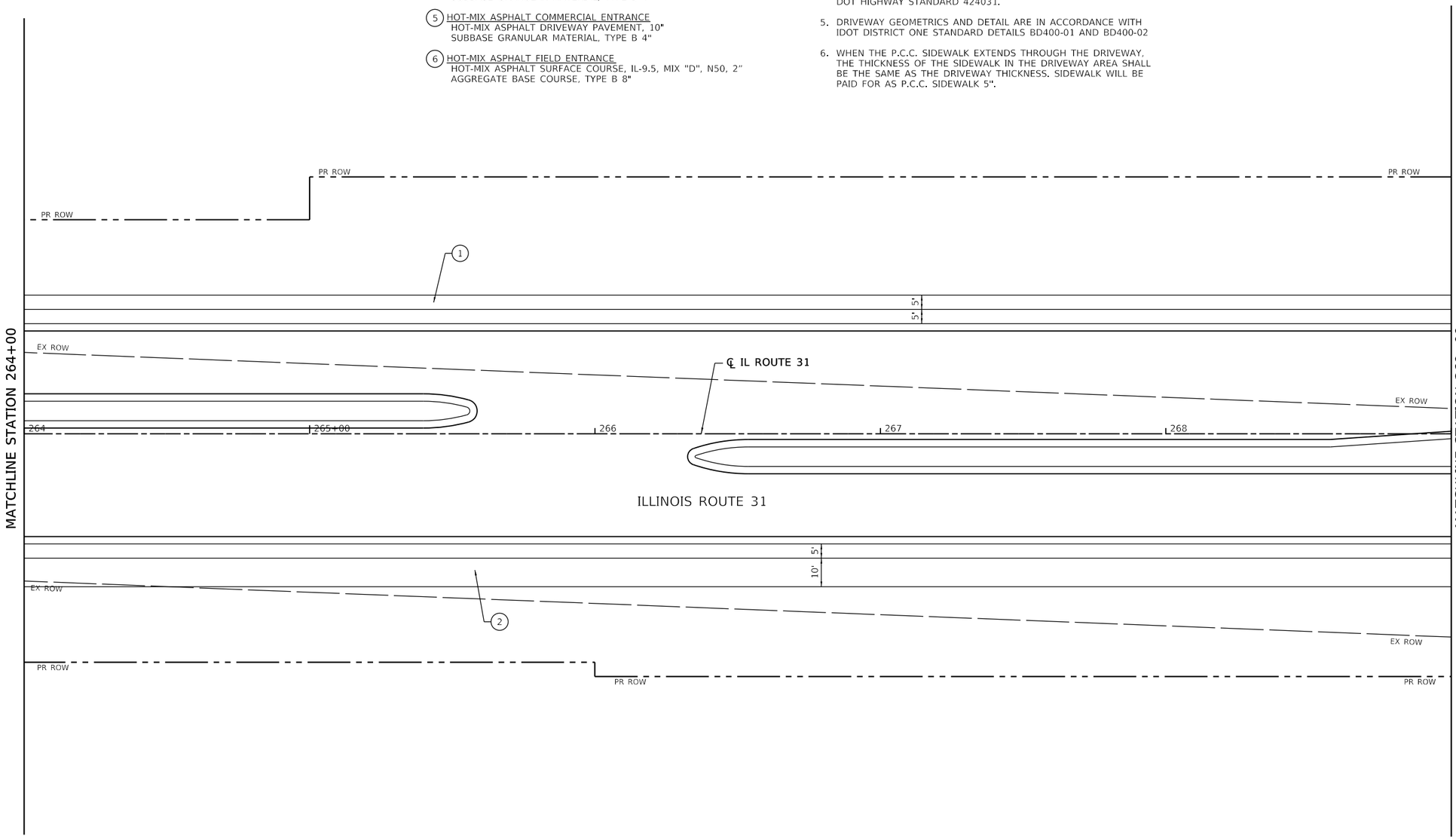

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USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 29 OF 58 SHEETS | STA. 264+00 TO STA. 269+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	243
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
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   AGGREGATE BASE COURSE, TYPE B 8"

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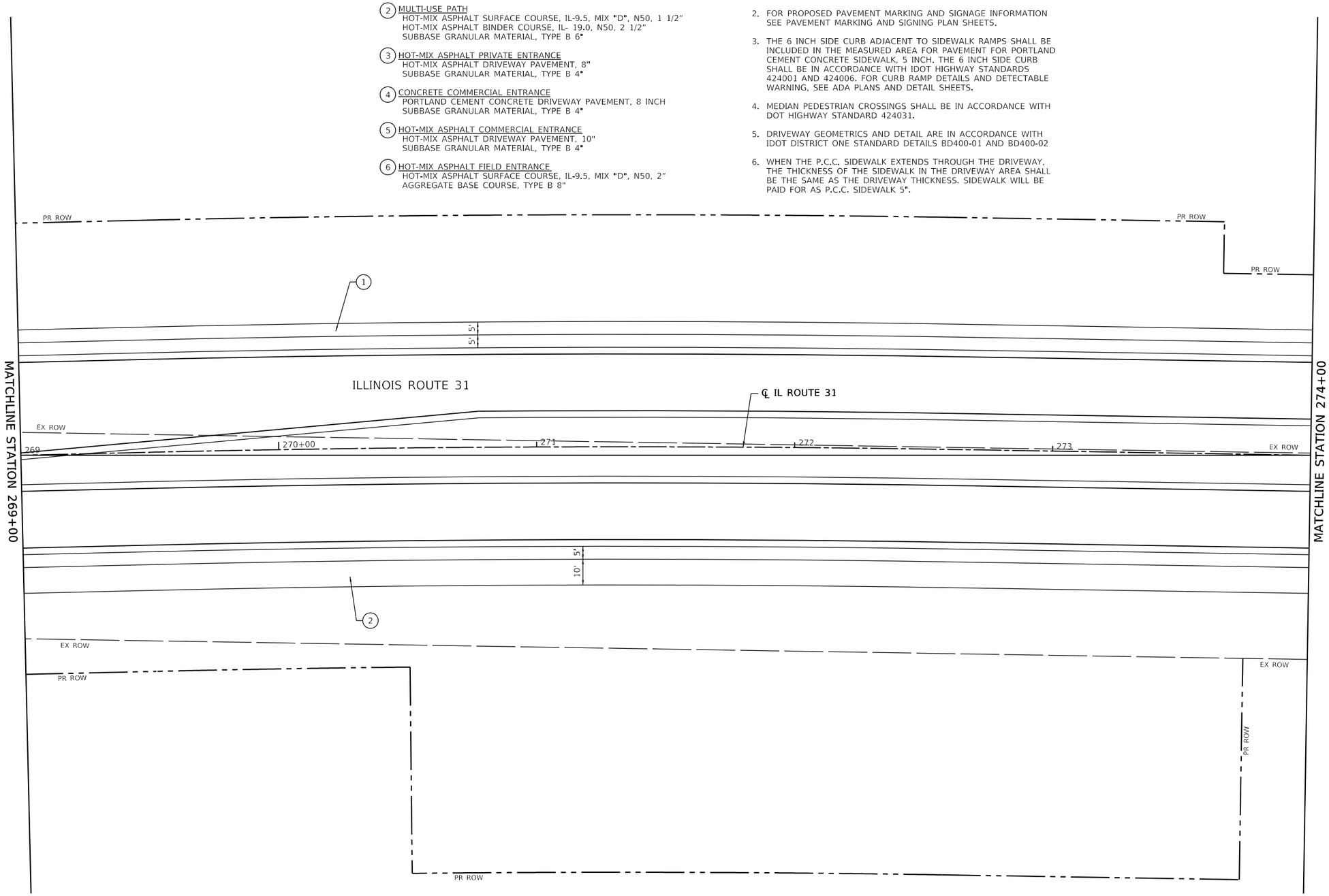

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PATRICK a RGR company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS ILLINOIS ROUTE 31
		DRAWN - EJB	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=20' SHEET 30 OF 58 SHEETS STA. 269+00 TO STA. 274+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	244
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
SUBBASE GRANULAR MATERIAL, TYPE B 6"

(3) HOT-MIX ASPHALT PRIVATE ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(4) CONCRETE COMMERCIAL ENTRANCE
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(5) HOT-MIX ASPHALT COMMERCIAL ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

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HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
AGGREGATE BASE COURSE, TYPE B 8"

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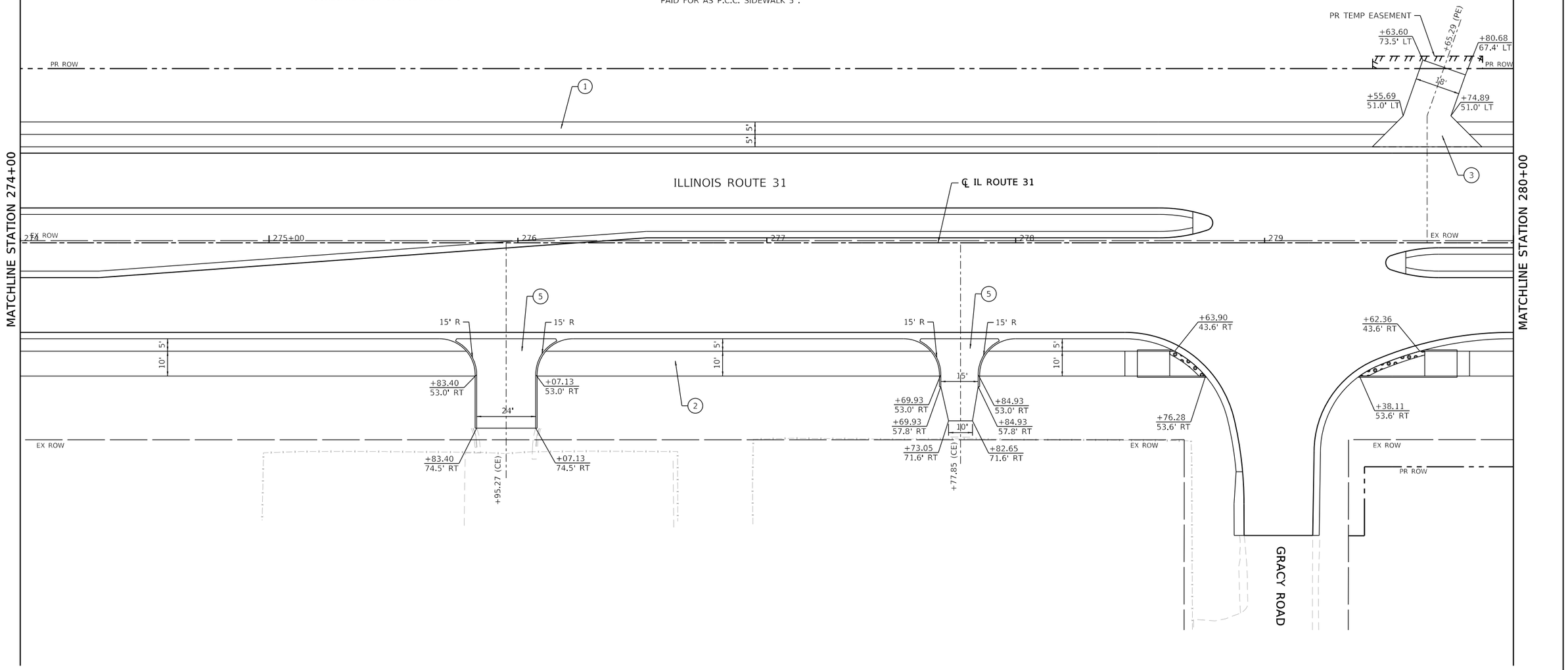

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 31 OF 58 SHEETS | STA. 274+00 | TO STA. 280+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	245
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

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HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
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SUBBASE GRANULAR MATERIAL, TYPE B 6"

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SUBBASE GRANULAR MATERIAL, TYPE B 4"

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PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
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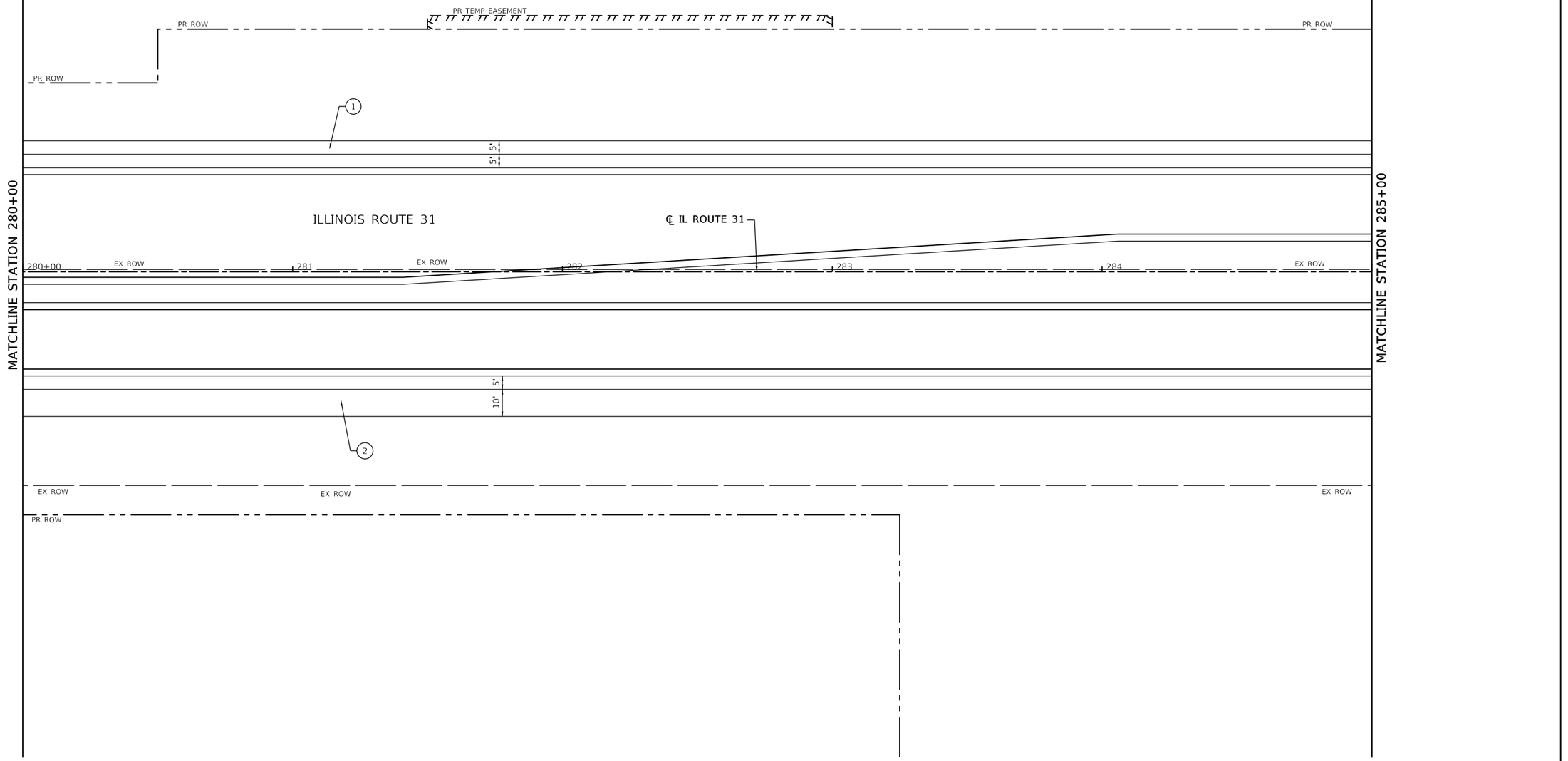

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 32 OF 58 SHEETS | STA. 280+00 | TO STA. 285+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	246
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
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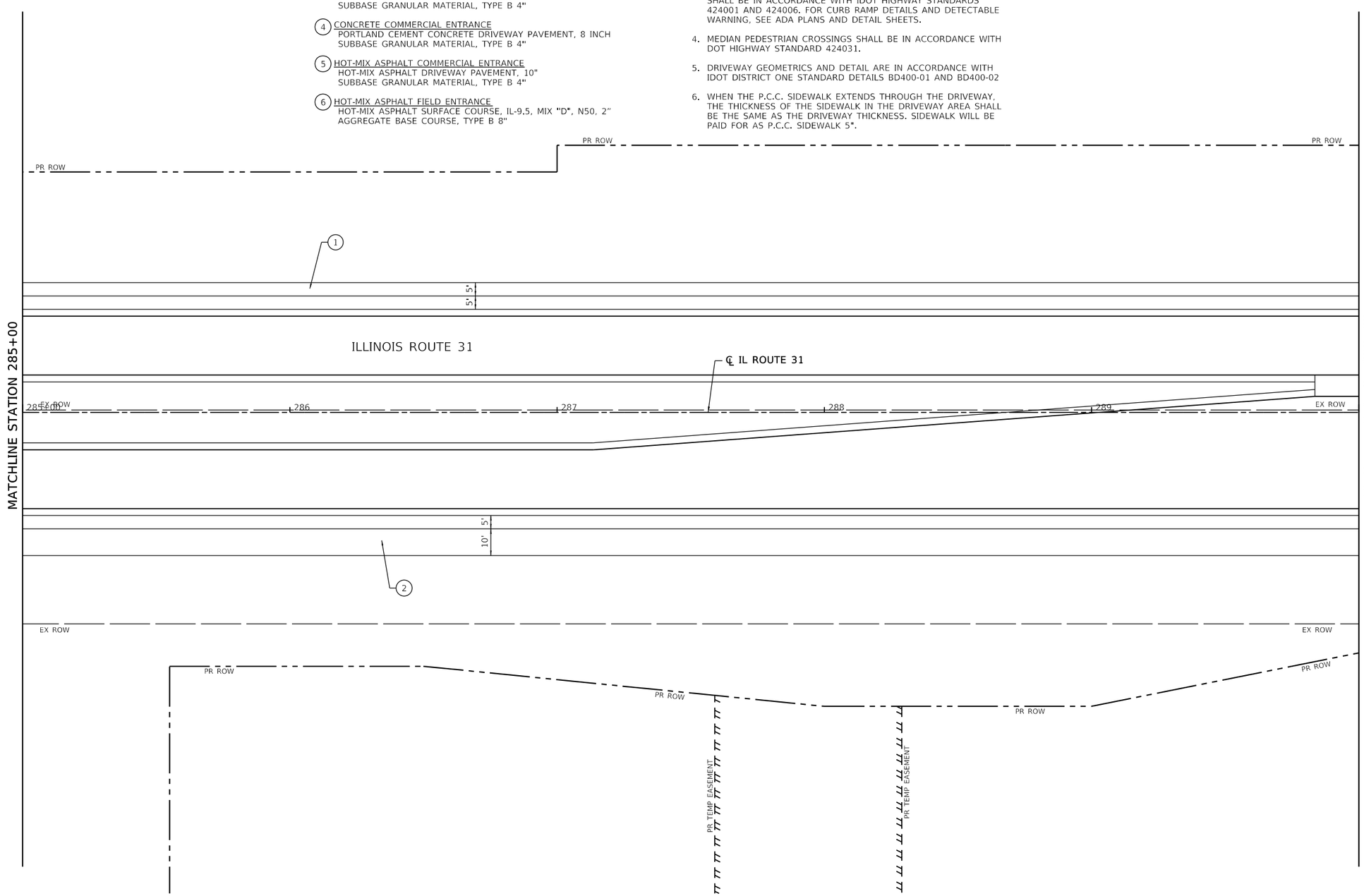

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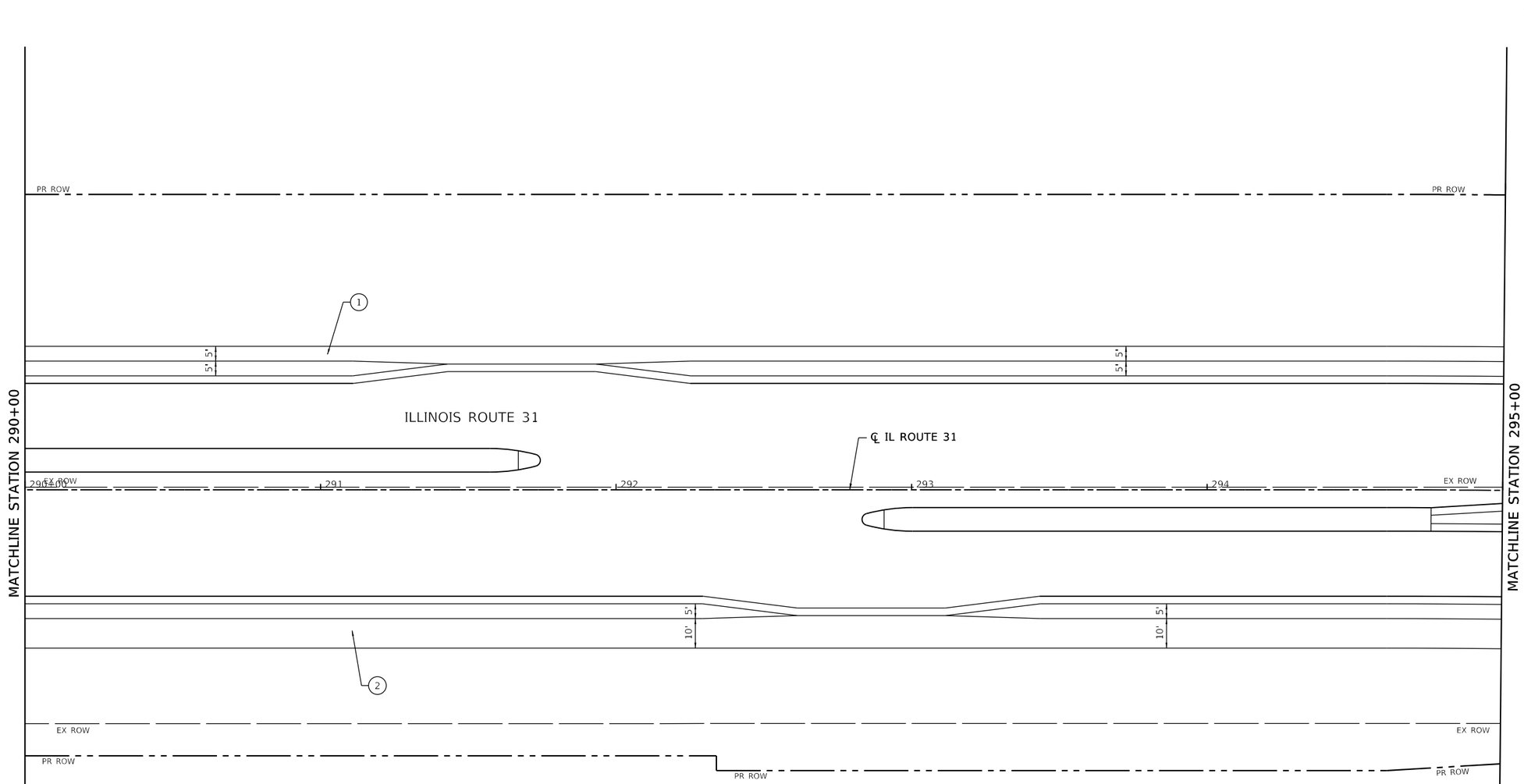
PATRICK a Rijft company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS ILLINOIS ROUTE 31
		DRAWN - EJB	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=20' | SHEET 33 OF 58 SHEETS | STA. 285+00 TO STA. 290+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	247
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
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PATRICK a Rajah company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
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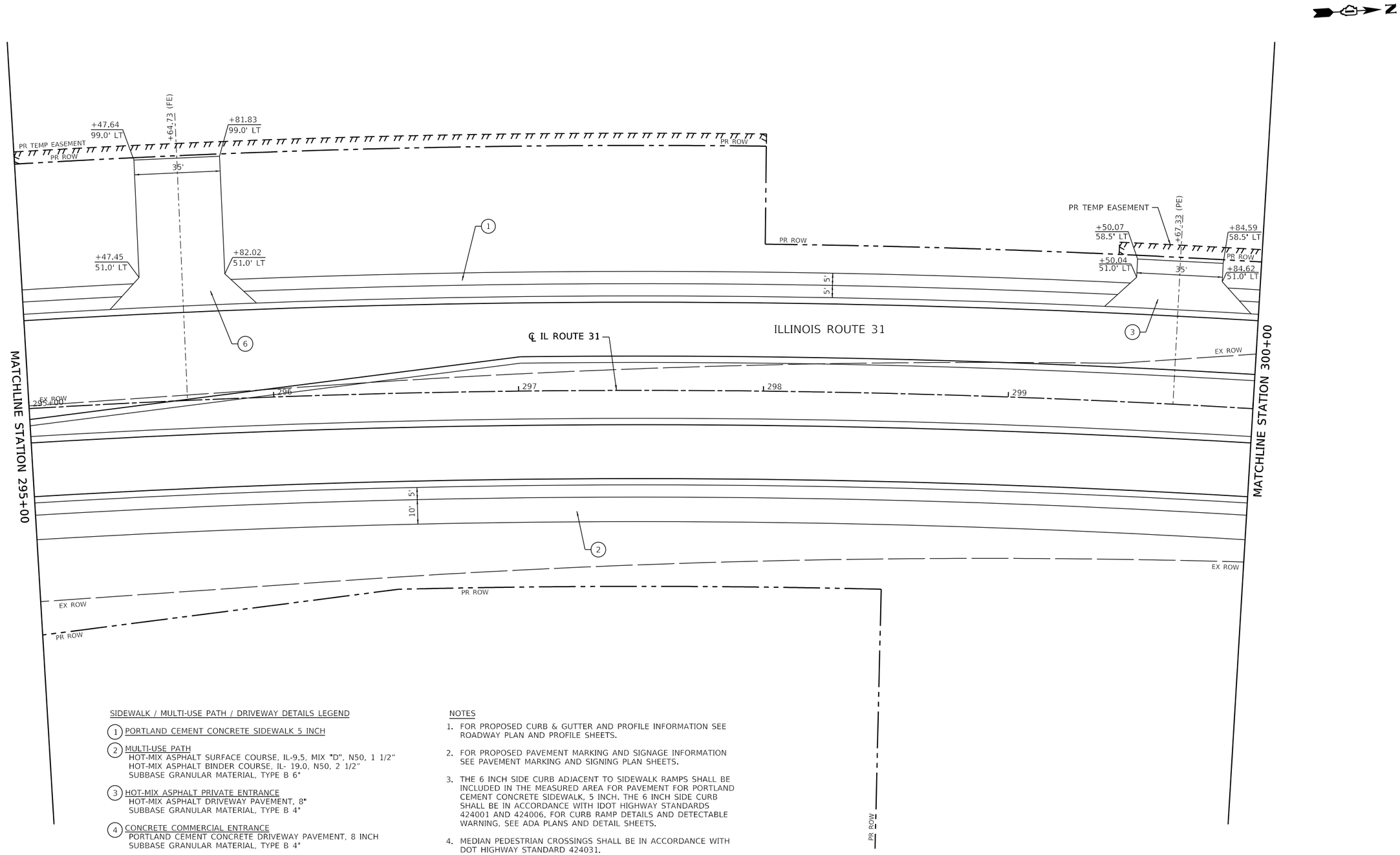
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 34 OF 58 SHEETS | STA. 290+00 TO STA. 295+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	248
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

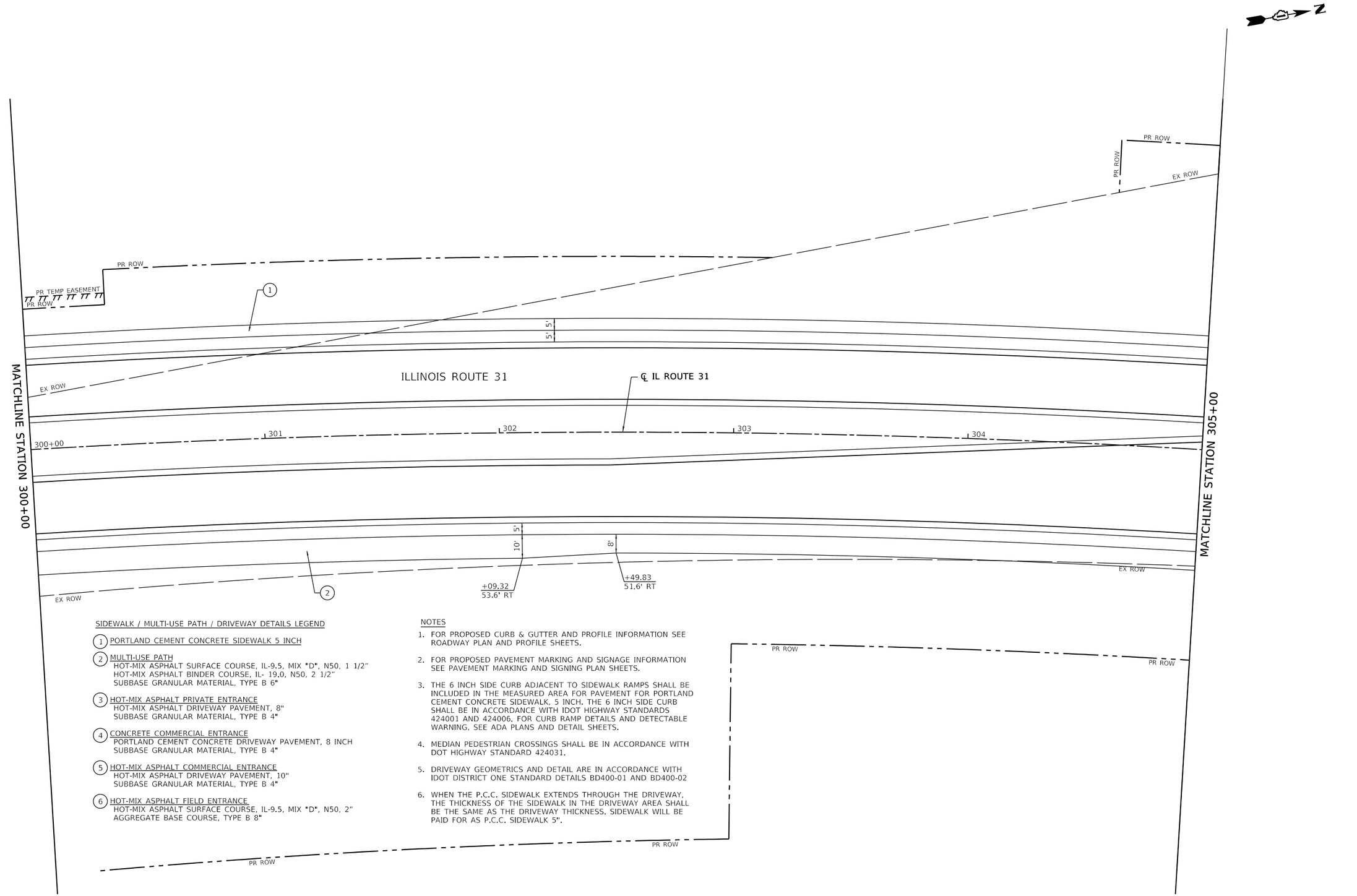
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 35 OF 58 SHEETS | STA. 295+00 TO STA. 300+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	249
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
SUBBASE GRANULAR MATERIAL, TYPE B 6"

(3) HOT-MIX ASPHALT PRIVATE ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(4) CONCRETE COMMERCIAL ENTRANCE
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(5) HOT-MIX ASPHALT COMMERCIAL ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(6) HOT-MIX ASPHALT FIELD ENTRANCE
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
AGGREGATE BASE COURSE, TYPE B 8"

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USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1"=20' | SHEET 36 OF 58 SHEETS | STA. 300+00 TO STA. 305+00
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	250
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
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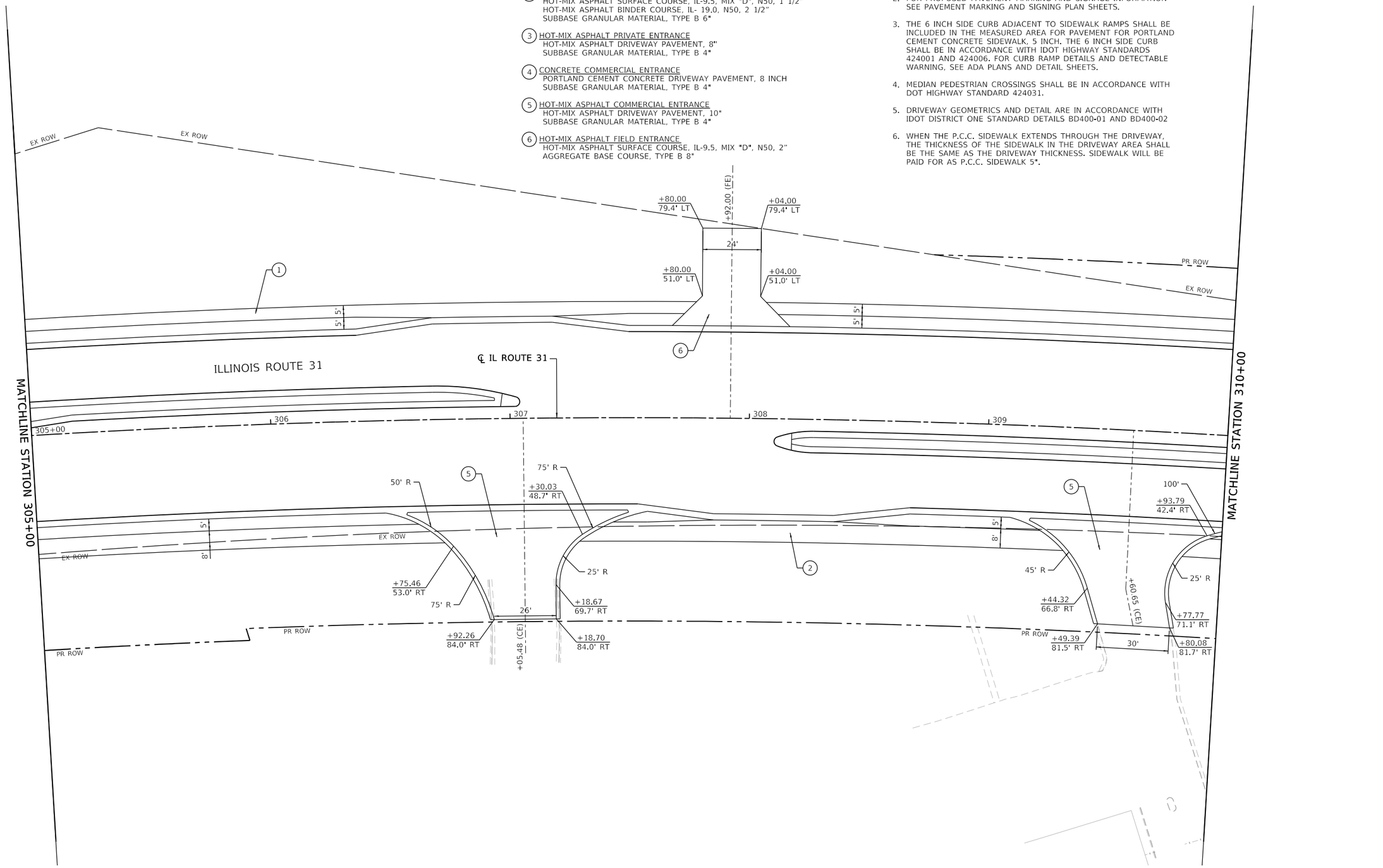
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".



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USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 37 OF 58 SHEETS | STA. 305+00 TO STA. 310+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	251
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
SUBBASE GRANULAR MATERIAL, TYPE B 6"

(3) HOT-MIX ASPHALT PRIVATE ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(4) CONCRETE COMMERCIAL ENTRANCE
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(5) HOT-MIX ASPHALT COMMERCIAL ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(6) HOT-MIX ASPHALT FIELD ENTRANCE
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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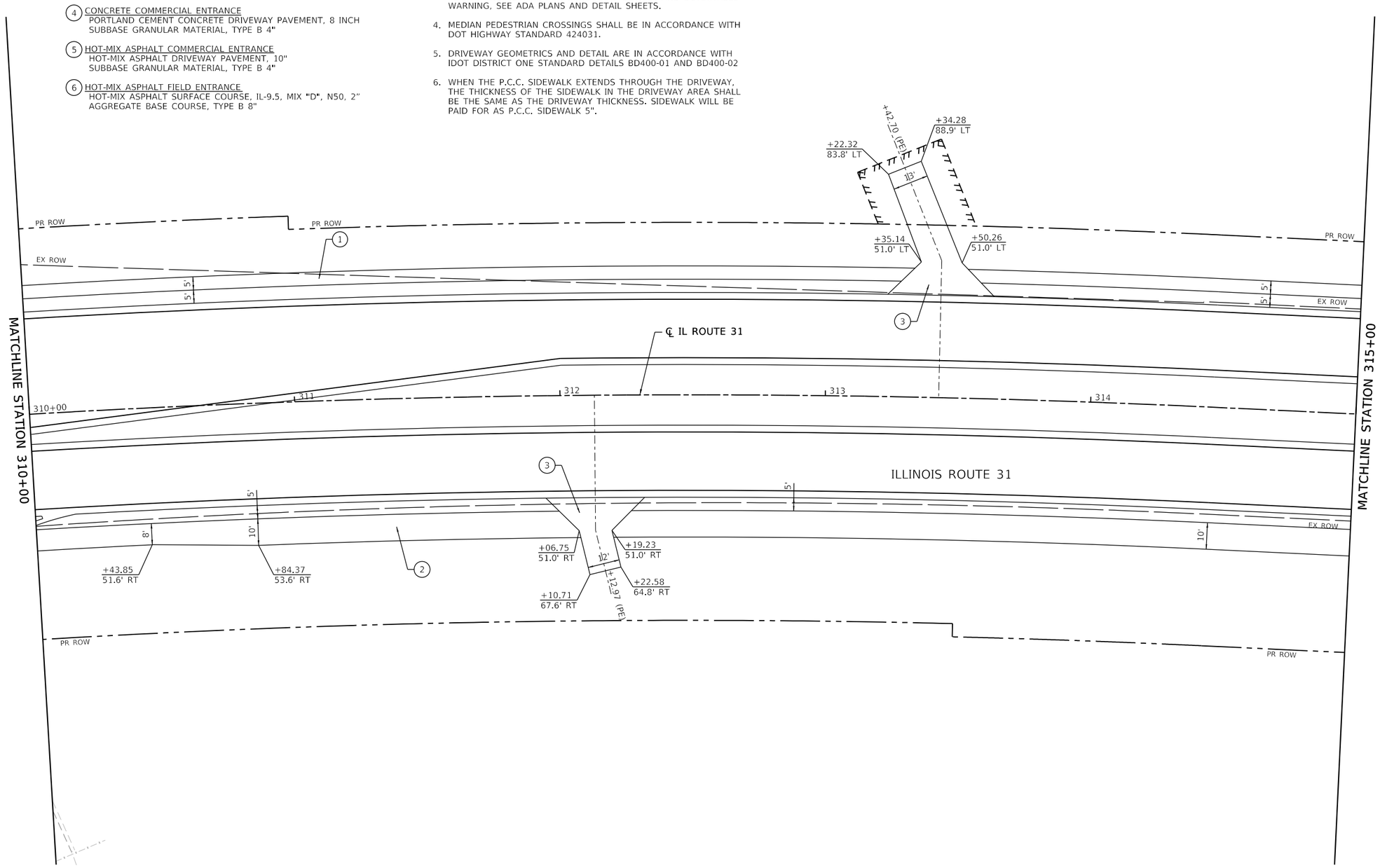

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PATRICK a RJR company

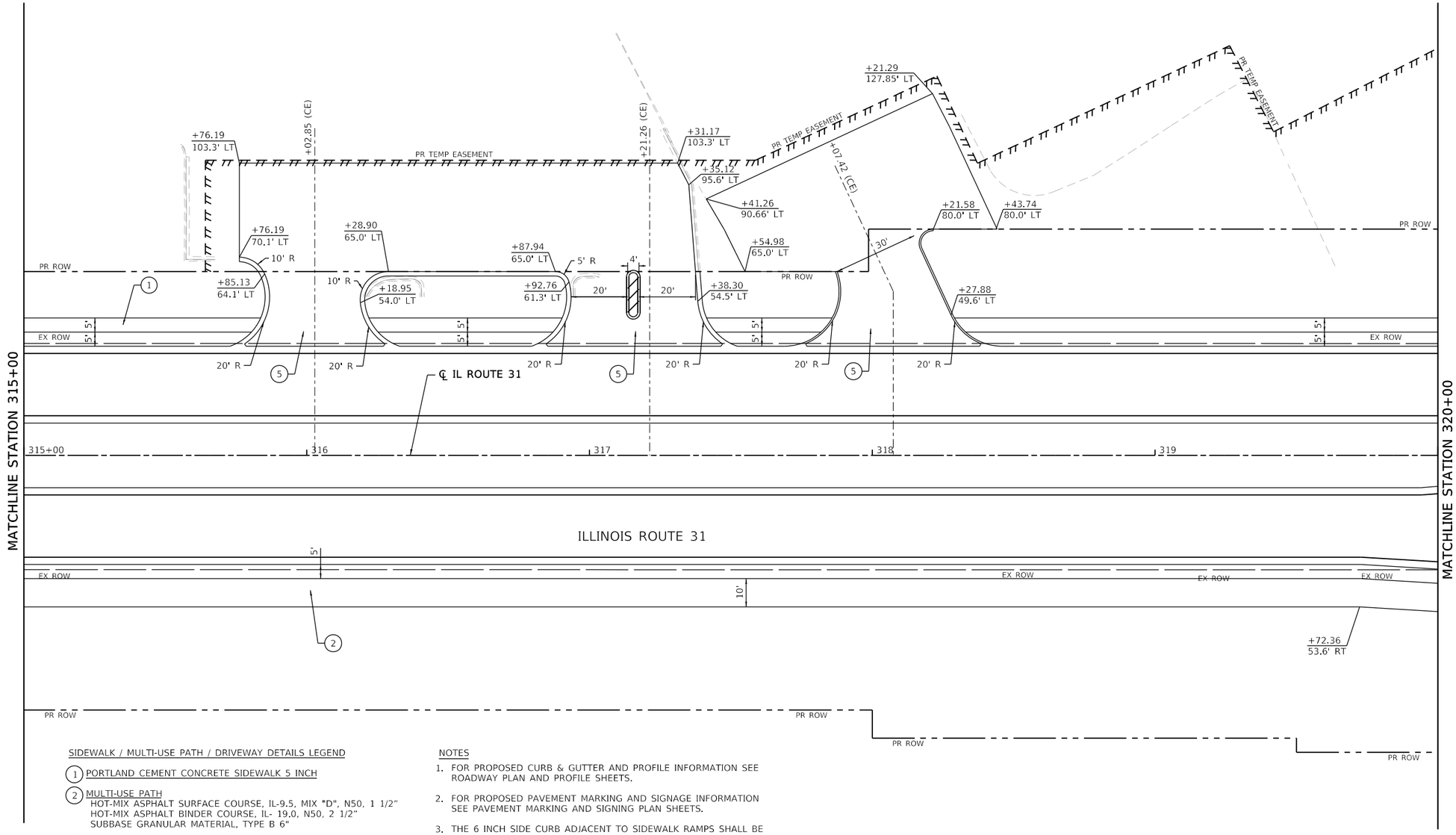
USER NAME = bwitort		DESIGNED - EJB		REVISED -	
		DRAWN - EJB		REVISED -	
PLOT SCALE = 40.0000 ' / in.		CHECKED - KE		REVISED -	
PLOT DATE = 10/3/2024		DATE - 04/30/2024		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 38 OF 58 SHEETS | STA. 310+00 | TO STA. 315+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	252
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
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NOTES

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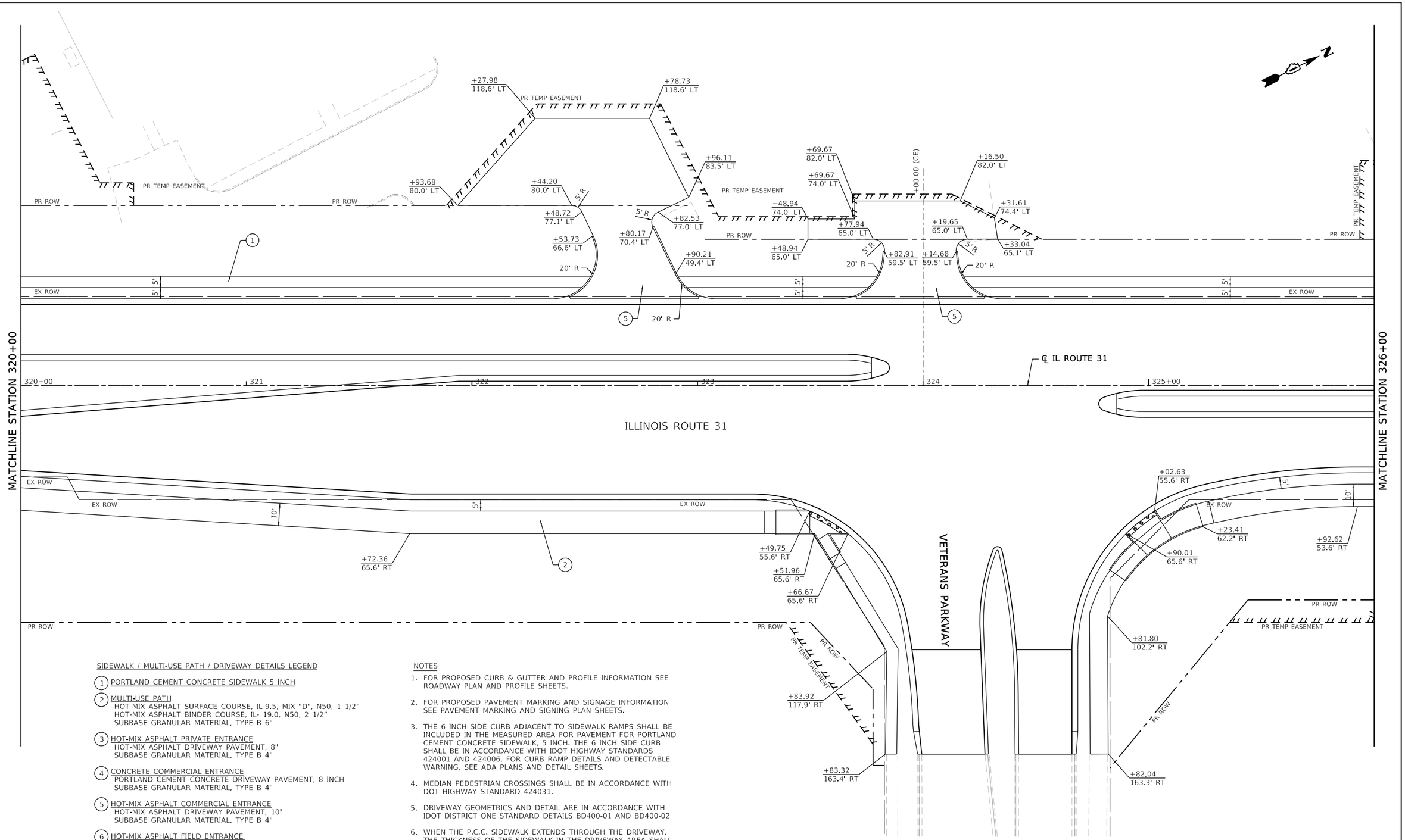
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI–USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 39 OF 58 SHEETS | STA. 315+00 | TO STA. 320+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	253
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
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PATRICK a Rajah company

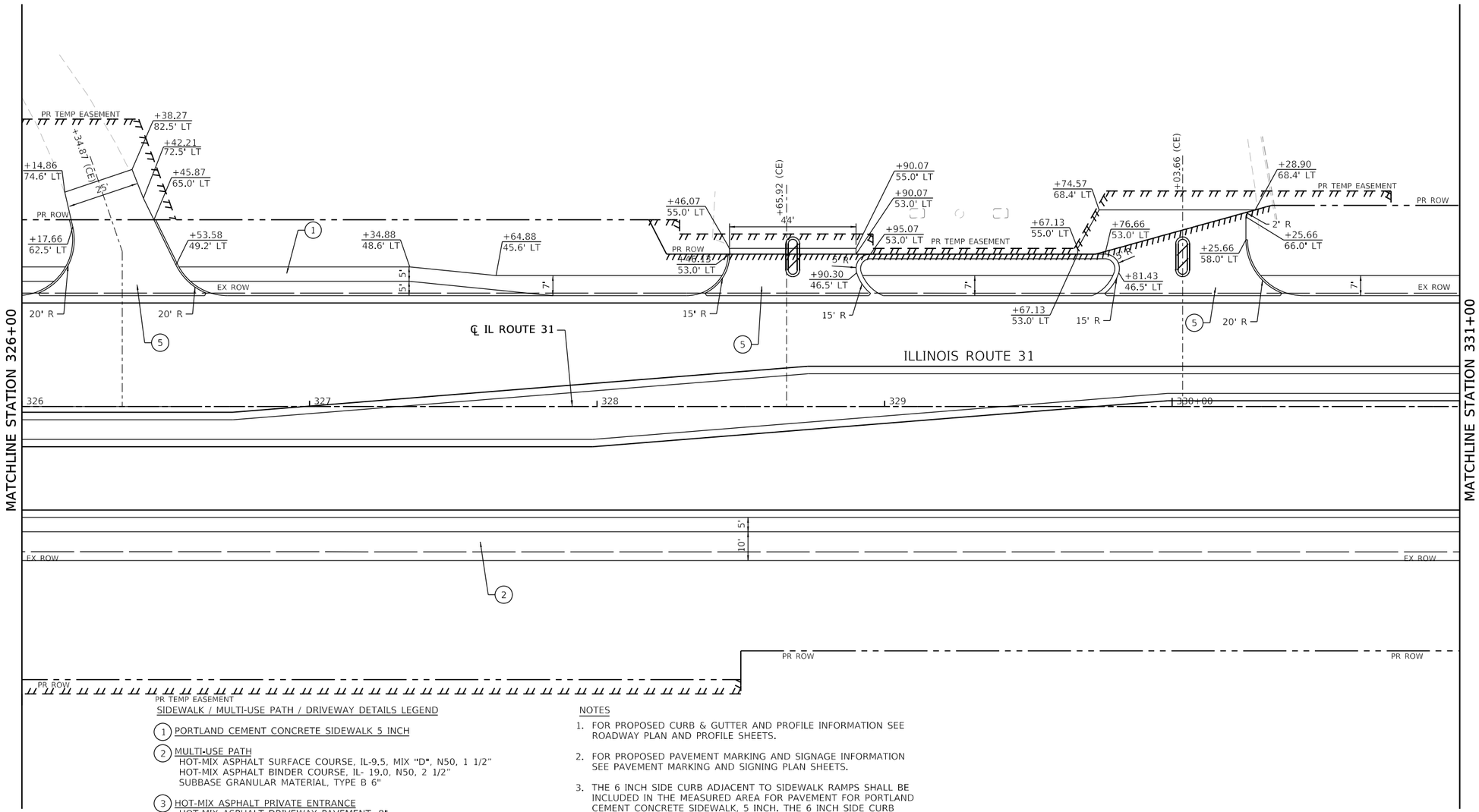
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 40 OF 58 SHEETS | STA. 320+00 TO STA. 326+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	254
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
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PATRICK a AECOM company

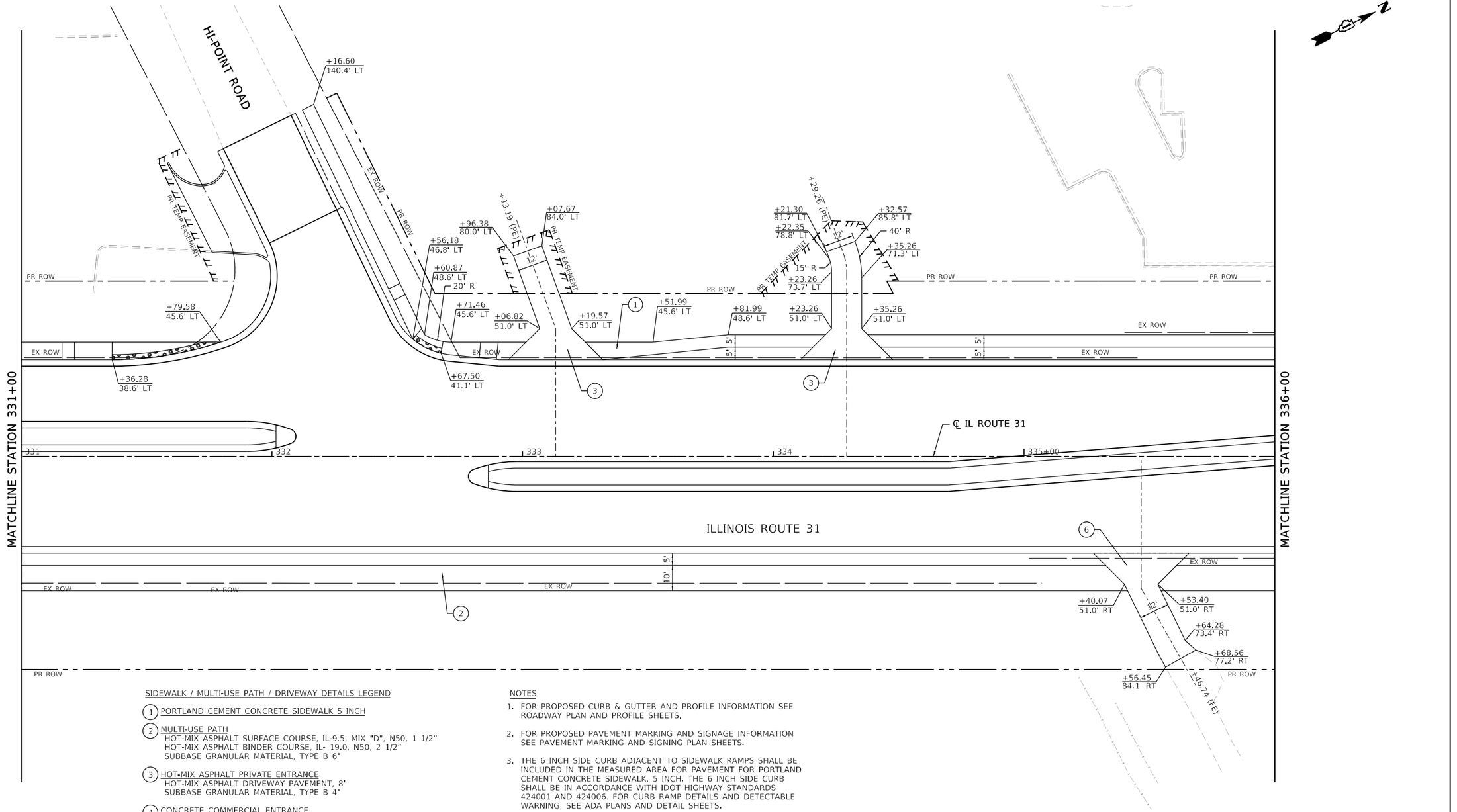
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 41 OF 58 SHEETS | STA. 326+00 | TO STA. 331+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	255
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
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6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

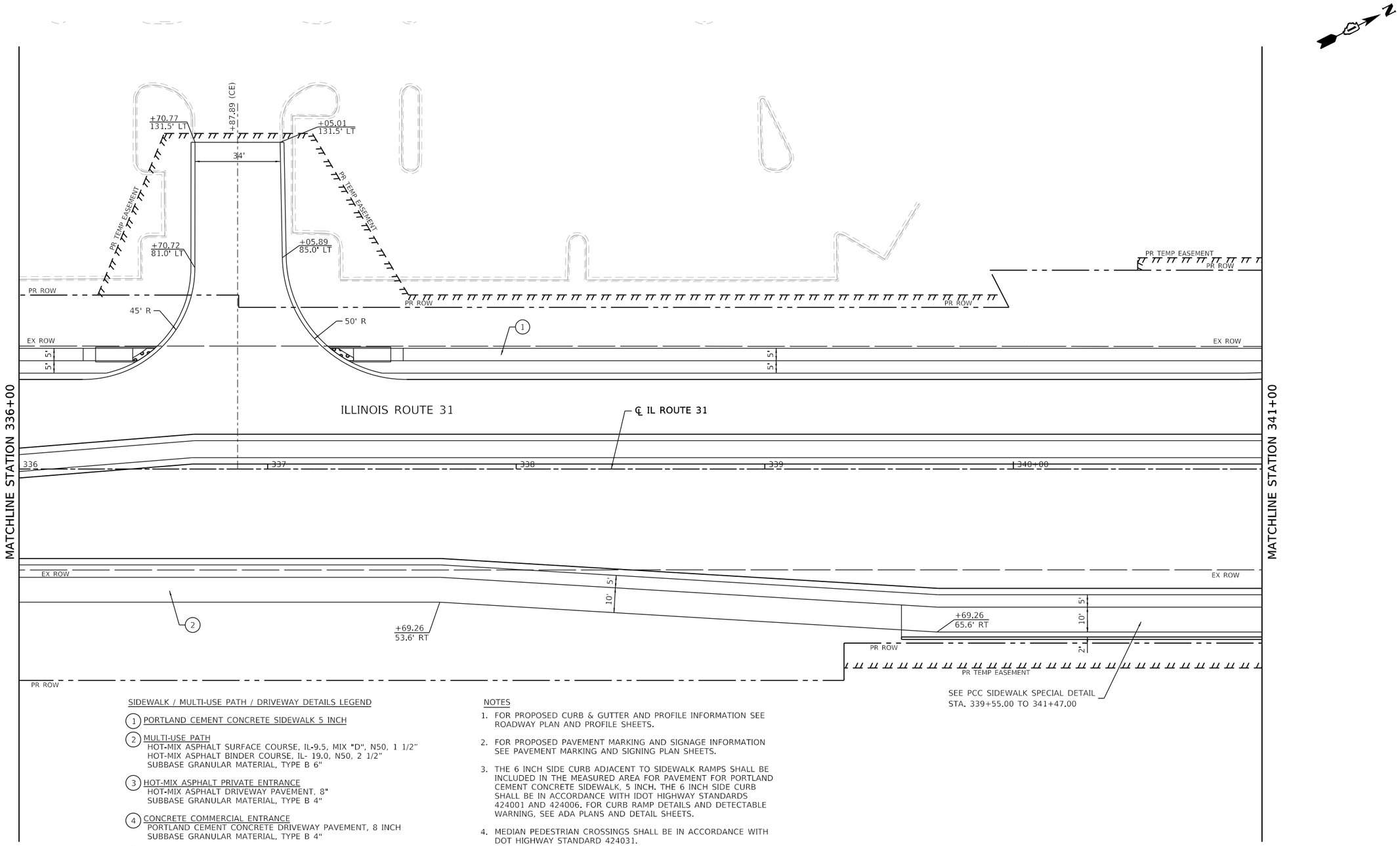
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 42 OF 58 SHEETS | STA. 331+00 TO STA. 336+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	256
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 43 OF 58 SHEETS | STA. 336+00 TO STA. 341+00

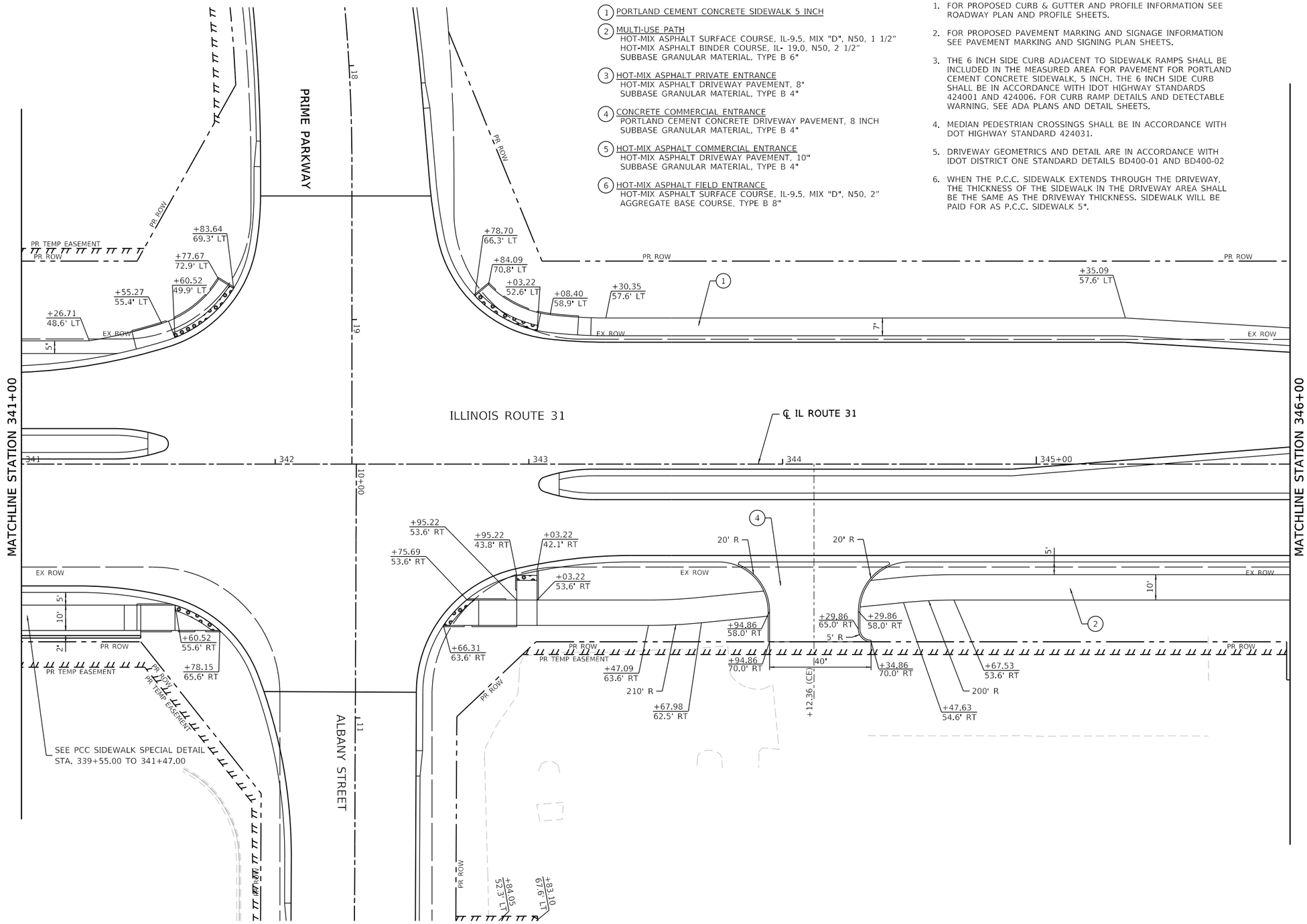
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	257
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".



USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS**	
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1"=20' SHEET 44 OF 58 SHEETS STA. 341+00 TO STA. 346+00	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	258
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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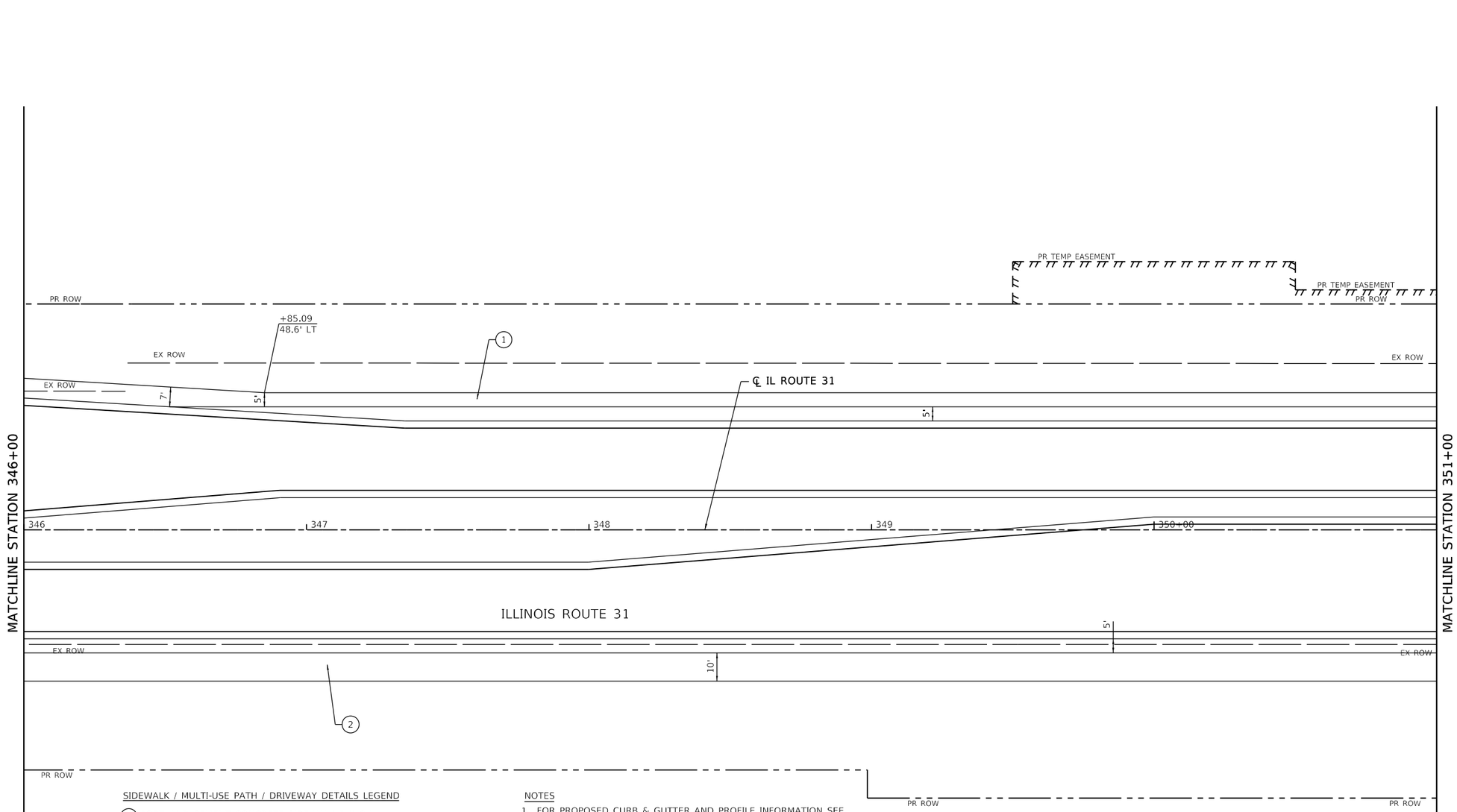

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
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PATRICK a RGR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 45 OF 58 SHEETS | STA. 346+00 TO STA. 351+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	259
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
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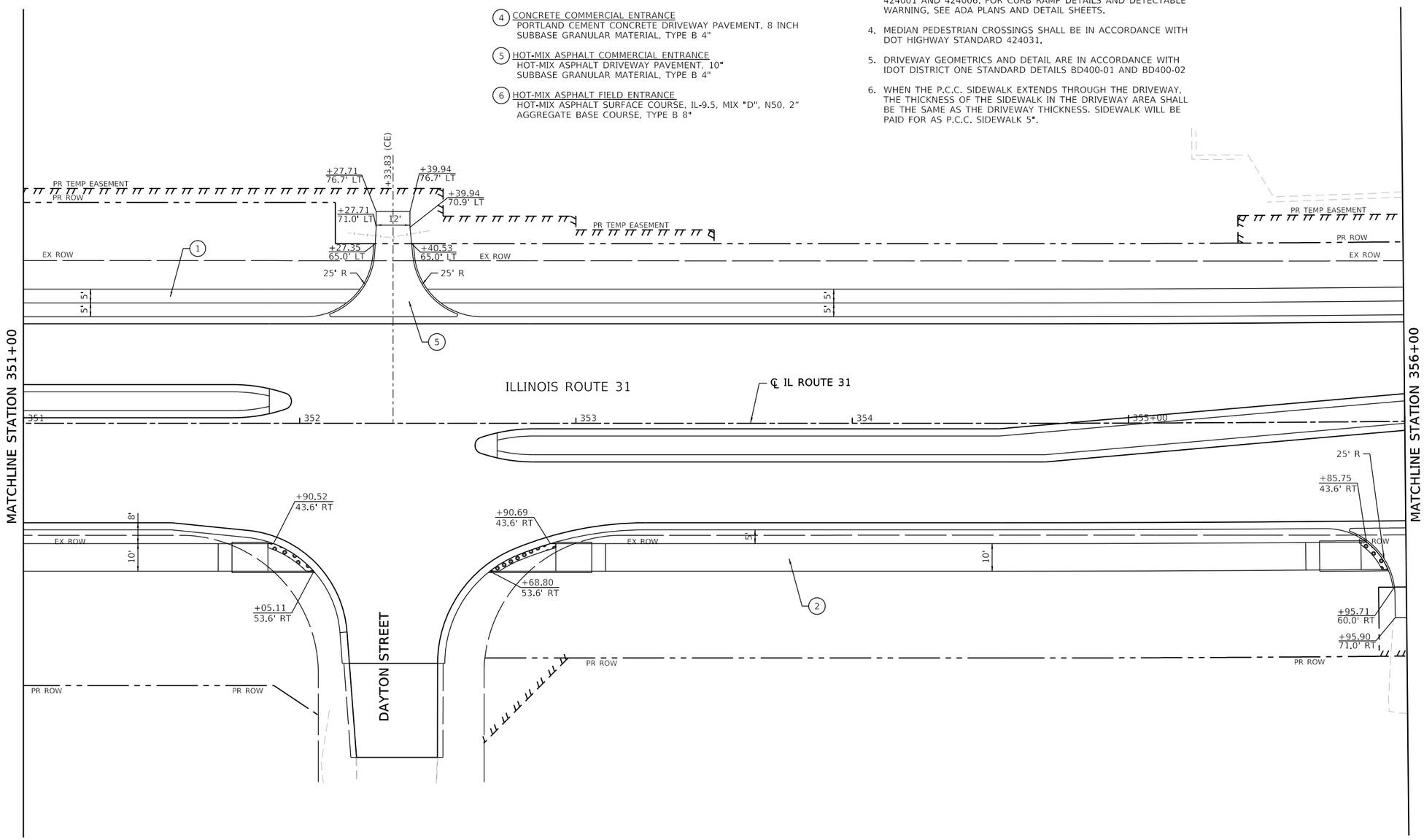
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".



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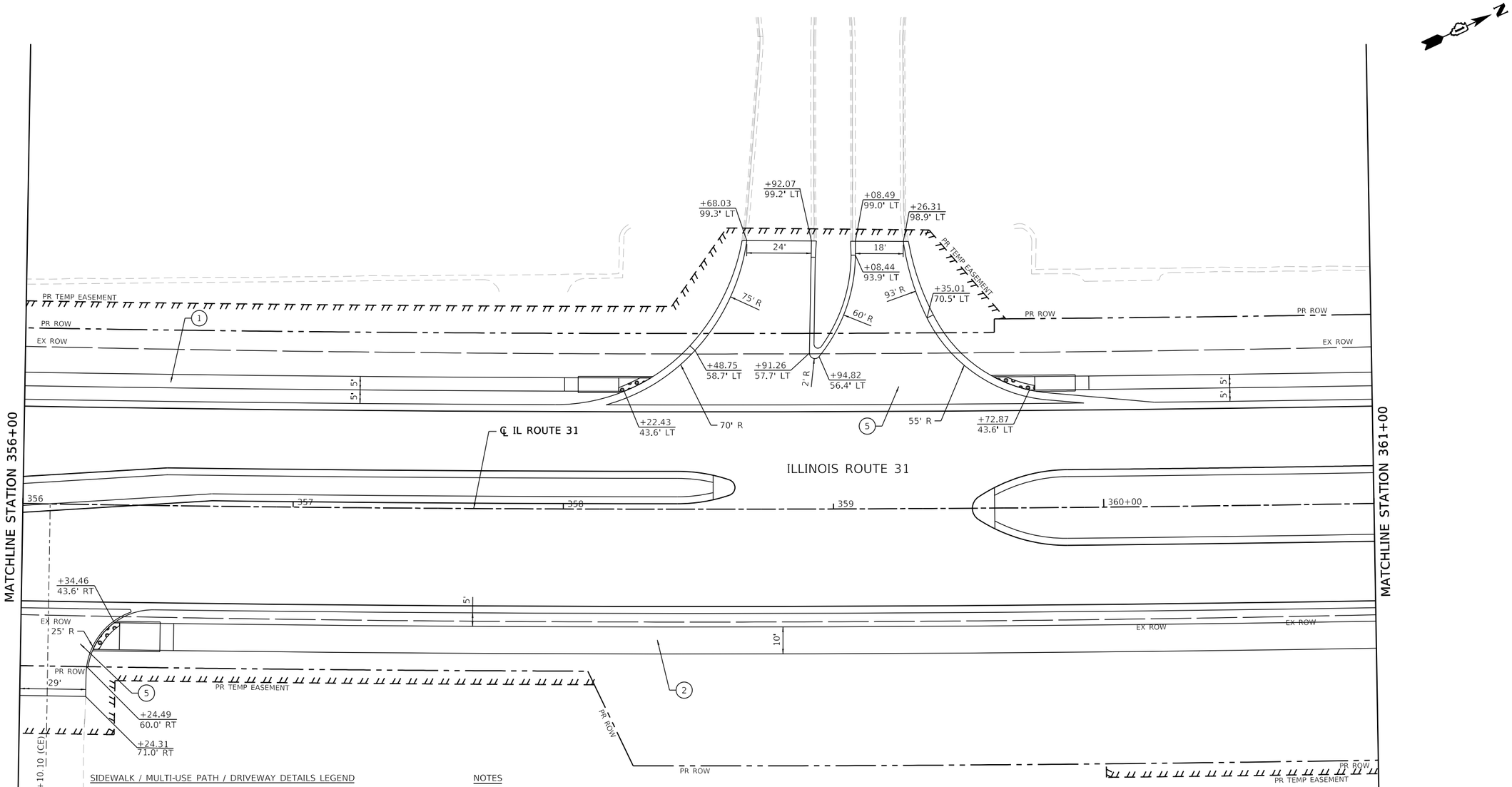
PATRICK a RSM company	USER NAME = bwitort	DESIGNED - EJB	REVISED -
		DRAWN - EJB	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 46 OF 58 SHEETS | STA. 351+00 TO STA. 356+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	260
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 47 OF 58 SHEETS | STA. 356+00 TO STA. 361+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	261
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
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4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
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   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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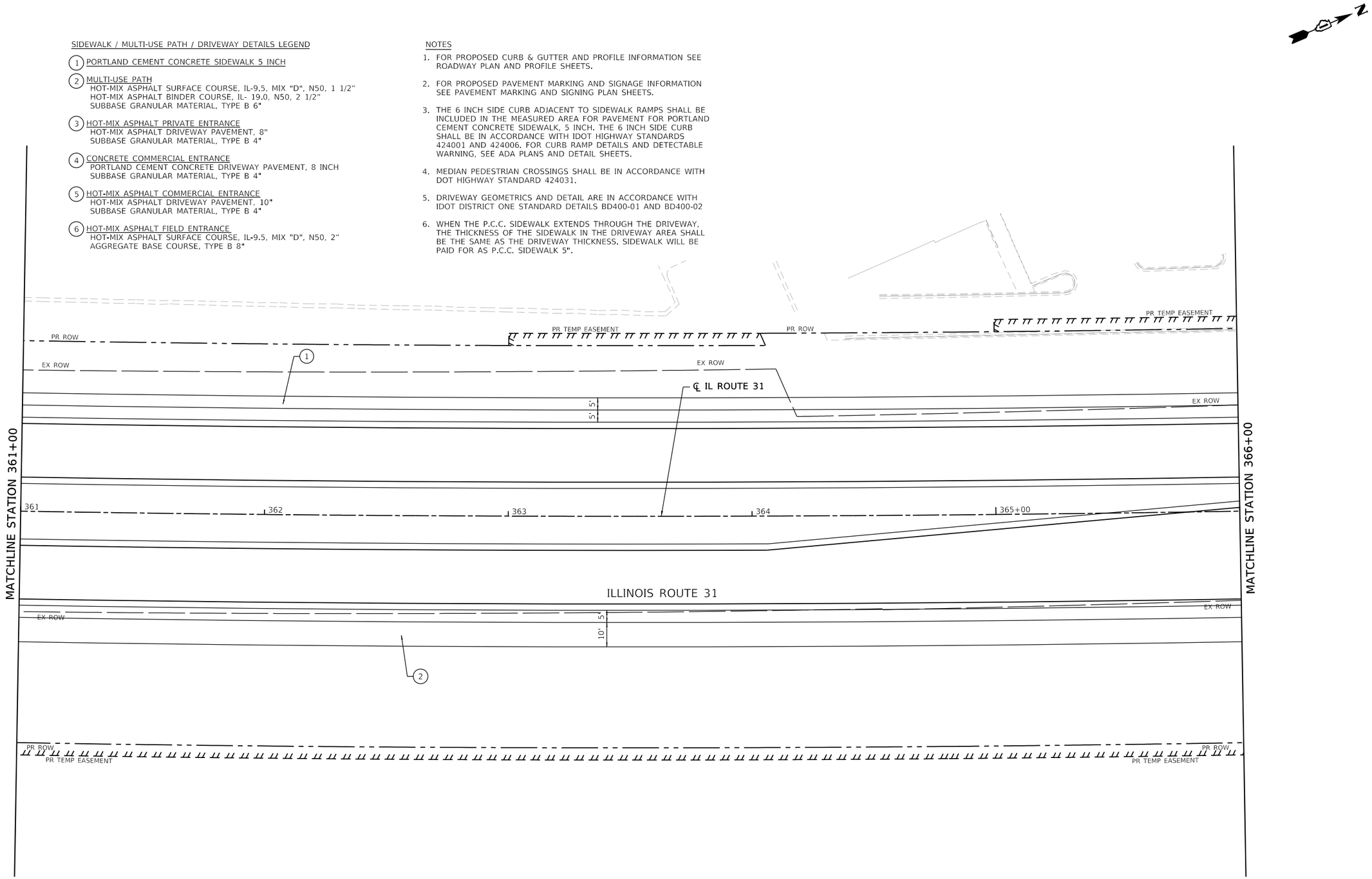

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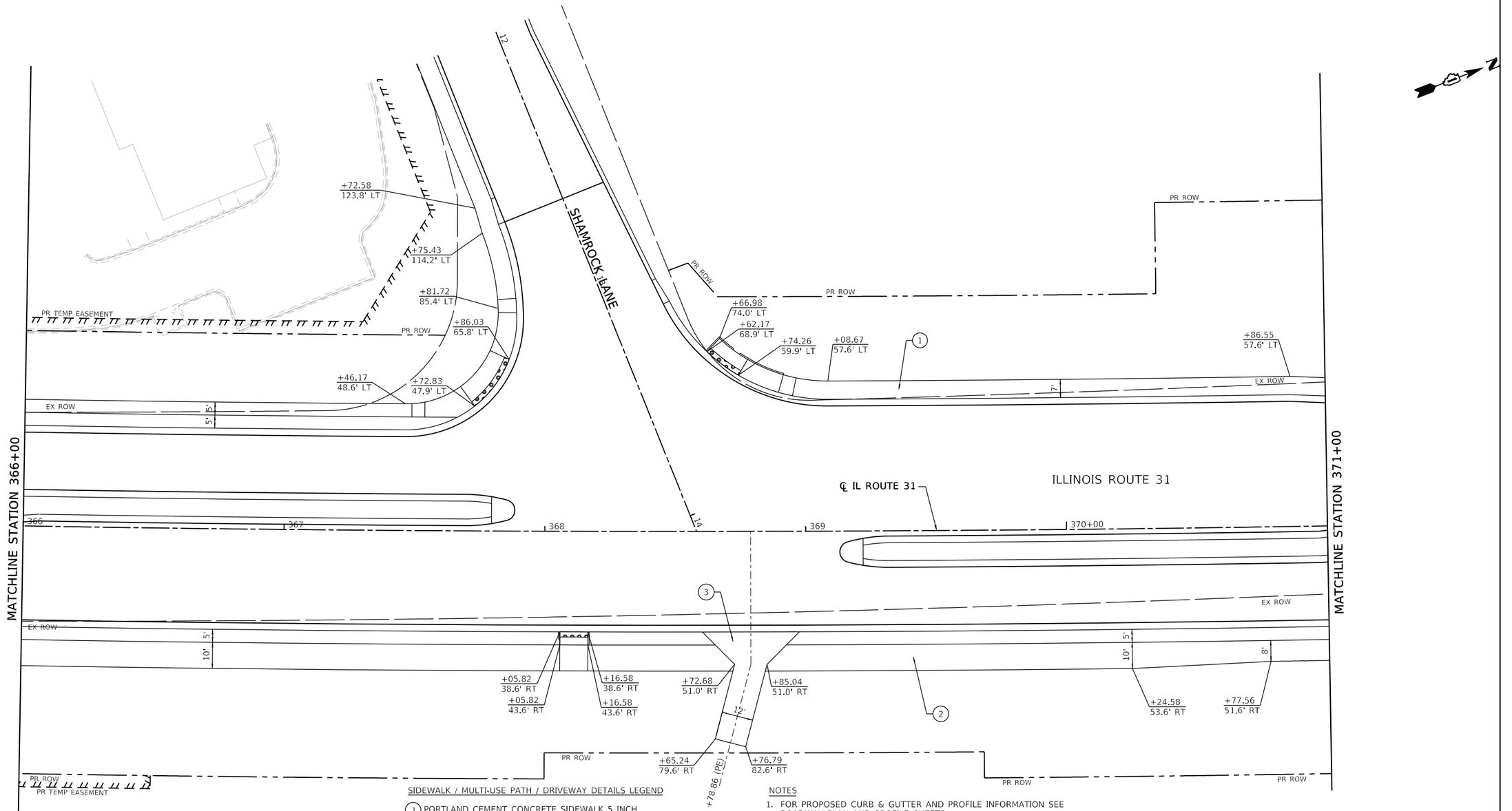
USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 48 OF 58 SHEETS | STA. 361+00 TO STA. 366+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	262
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
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   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a RJR company

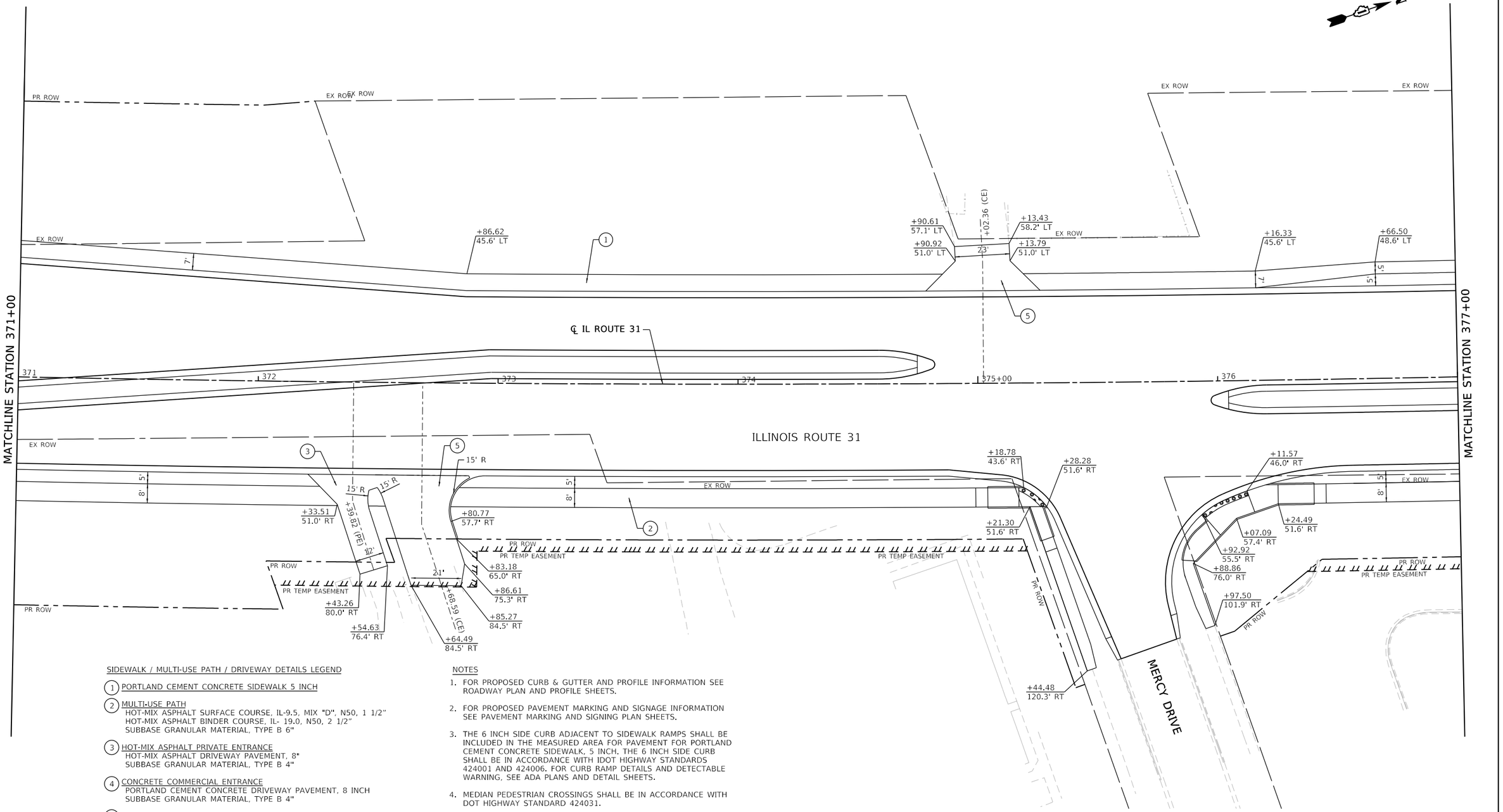
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 49 OF 58 SHEETS | STA. 366+00 TO STA. 371+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	263
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
SUBBASE GRANULAR MATERIAL, TYPE B 6"

(3) HOT-MIX ASPHALT PRIVATE ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(4) CONCRETE COMMERCIAL ENTRANCE
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(5) HOT-MIX ASPHALT COMMERCIAL ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(6) HOT-MIX ASPHALT FIELD ENTRANCE
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
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PATRICK a WSP company

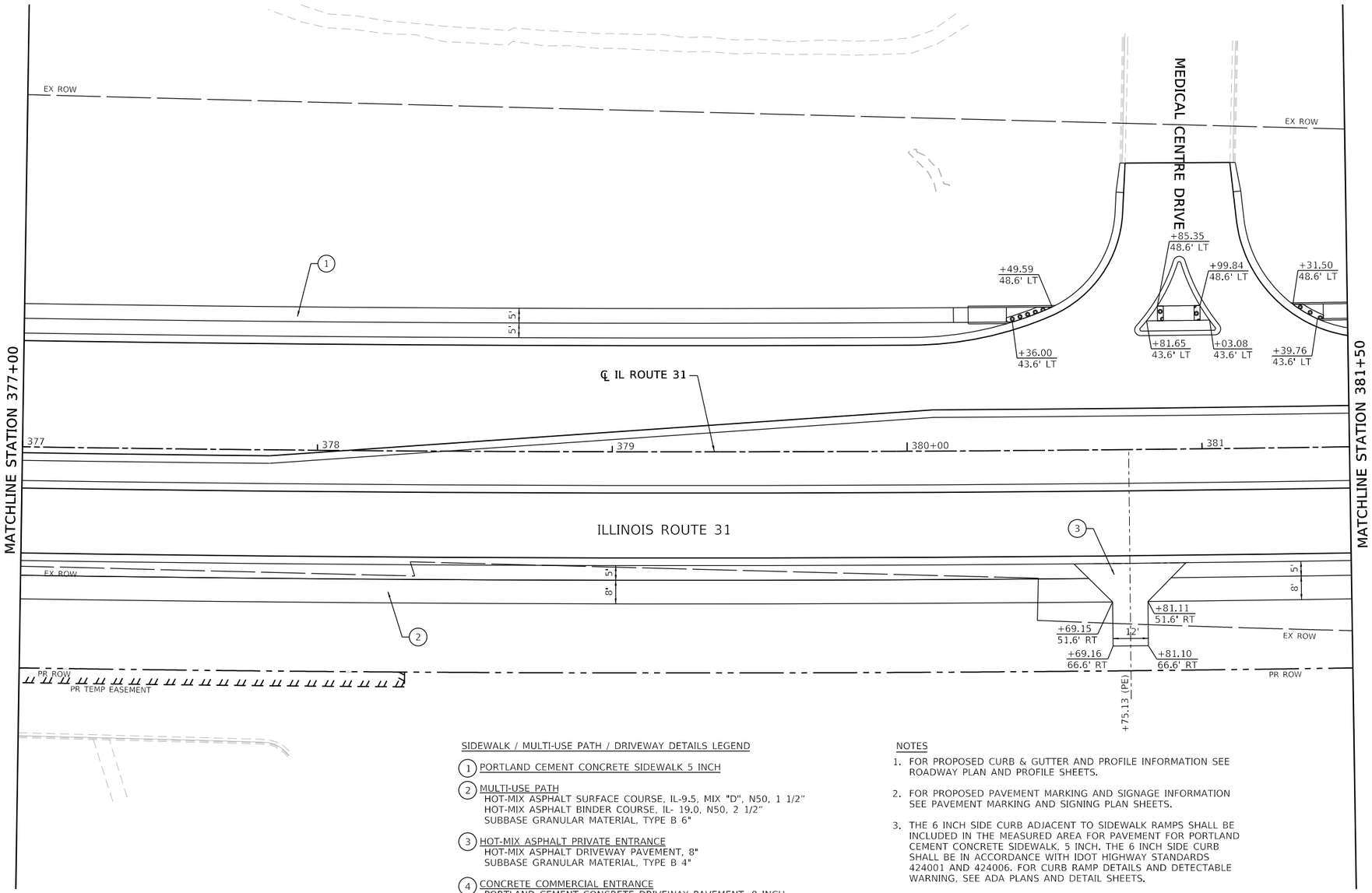
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 50 OF 58 SHEETS | STA. 371+00 | TO STA. 377+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	264
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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PATRICK a WSP company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 51 OF 58 SHEETS | STA. 377+00 | TO STA. 381+50

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	265
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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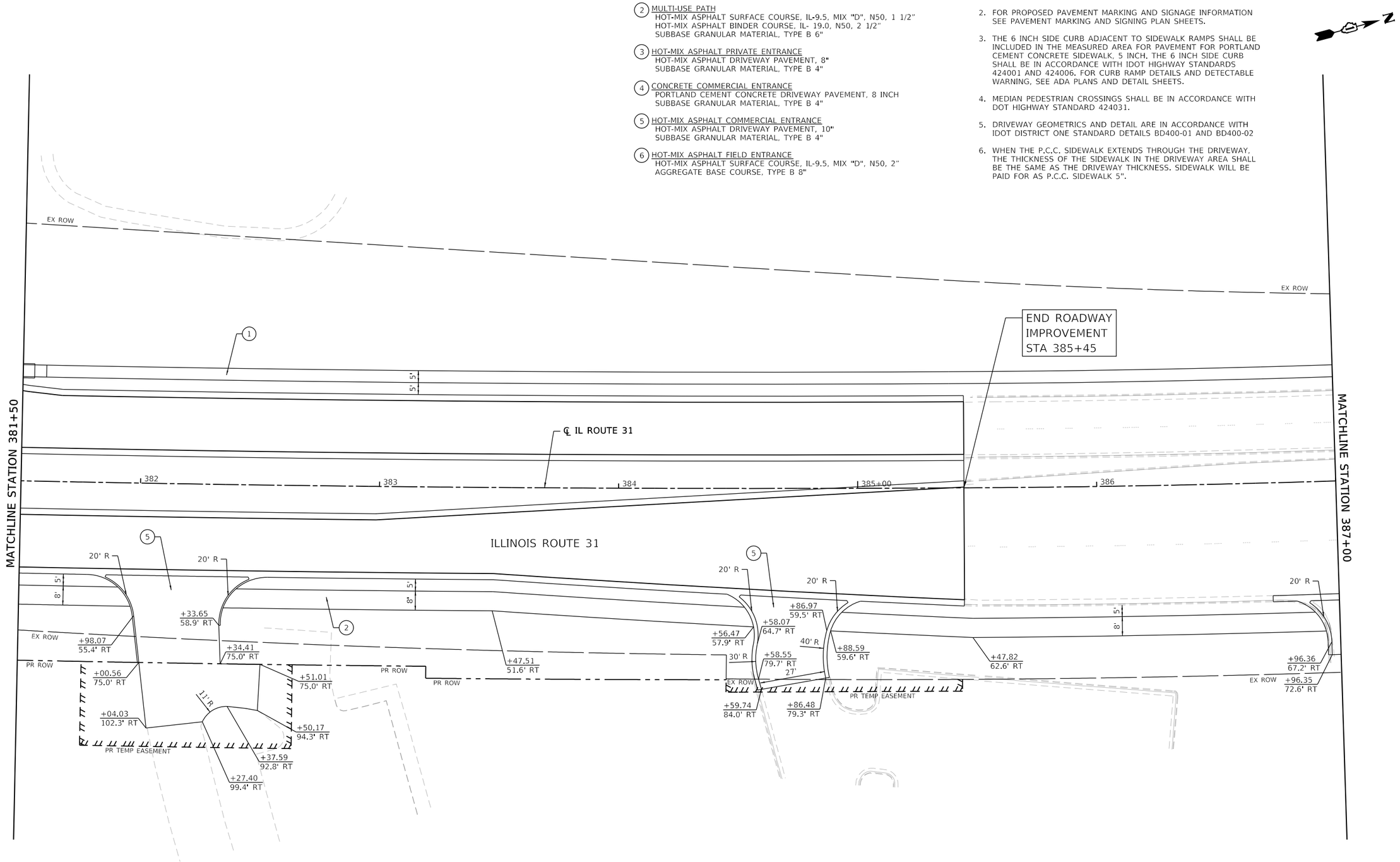

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USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 52 OF 58 SHEETS | STA. 381+50 TO STA. 387+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	266
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

BULL VALLEY ROAD

BULL VALLEY ROAD

N

EX ROW

+86.49
69.1' LT

+94.58 (FE)

16'

+02.68
69.1' LT

+86.49
50.9' LT

+02.63
50.9' LT

5'

5'

1

6

+23.96
48.6' LT

+63.38
46.9' LT

+96.14
48.8' LT

319' R

8'

+74.70
64.0' LT

38' R

+97.90
88.2' LT

EX ROW

+19.76
109.2' LT

+20.22
106.8' LT

54' R

EX ROW

+59.96
64.6' LT

283' R

8'

MATCHLINE STATION 387+00

℄ IL ROUTE 31

387

388

389

390+00

391

392

MATCHLINE STATION 393+00

ILLINOIS ROUTE 31

END MULTI-USE PATH
STA 391+00

EXISTING MULTI-USE
PATH

5

20' R

25' R

5

25' R

8'

5'

21'

+06.57 (CE)

+16.81
67.0' RT

2

EX ROW

+16.78
72.6' RT

+74.78
72.6' RT

35'

+92.17 (CE)

+09.56
72.6' RT

5

20' R

20' R

+18.25
67.0' RT

33'

+51.34
67.1' RT

+18.25
68.8' RT

+34.80 (CE)

+51.34
68.8' RT

+63.98
62.6' RT

+02.93
57.7' RT

+38.64
58.2' RT

EX ROW

EX ROW

CHARLES J. MILLER ROAD

CHARLES J MILLER HIGHWAY

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
SUBBASE GRANULAR MATERIAL, TYPE B 6"

(3) HOT-MIX ASPHALT PRIVATE ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(4) CONCRETE COMMERCIAL ENTRANCE
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(5) HOT-MIX ASPHALT COMMERCIAL ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(6) HOT-MIX ASPHALT FIELD ENTRANCE
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
AGGREGATE BASE COURSE, TYPE B 8"

NOTES

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PATRICK a RJN company

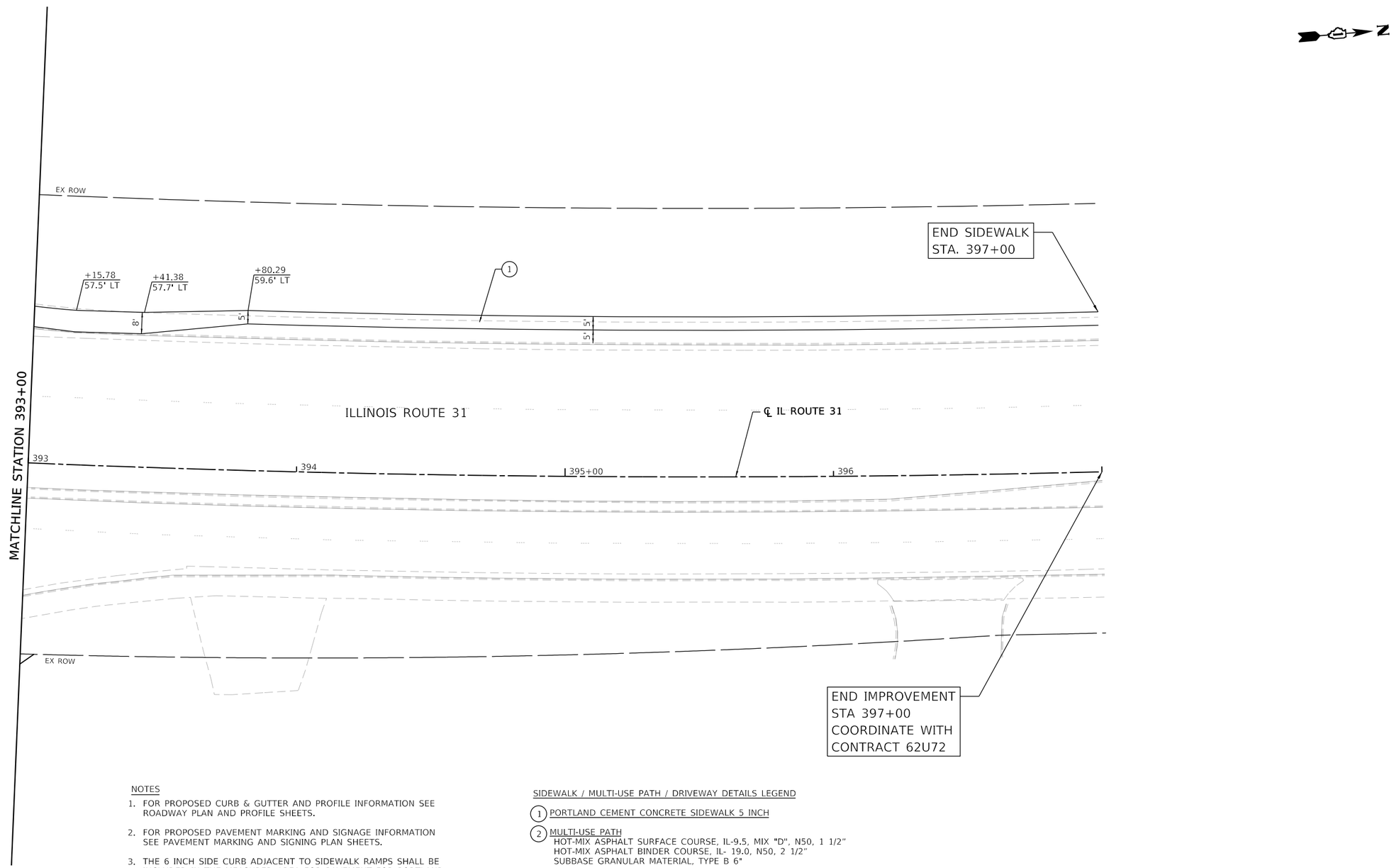
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 53 OF 58 SHEETS | STA. 387+00 | TO STA. 393+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	267
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

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PATRICK a RSR company

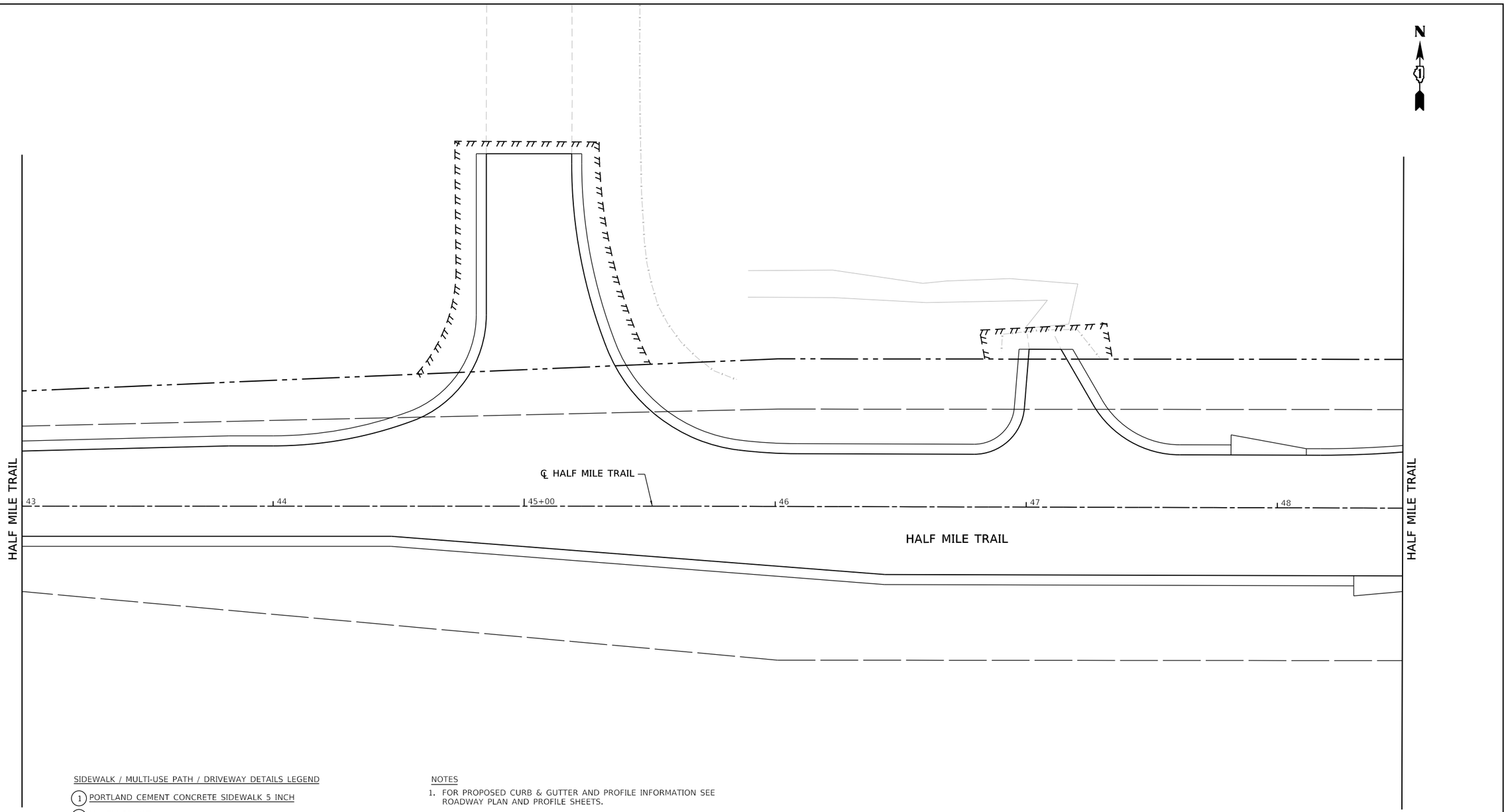
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 54 OF 58 SHEETS | STA. 393+00 TO STA. 397+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	268
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
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PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
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HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
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HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
AGGREGATE BASE COURSE, TYPE B 8"

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PATRICK a RJR company

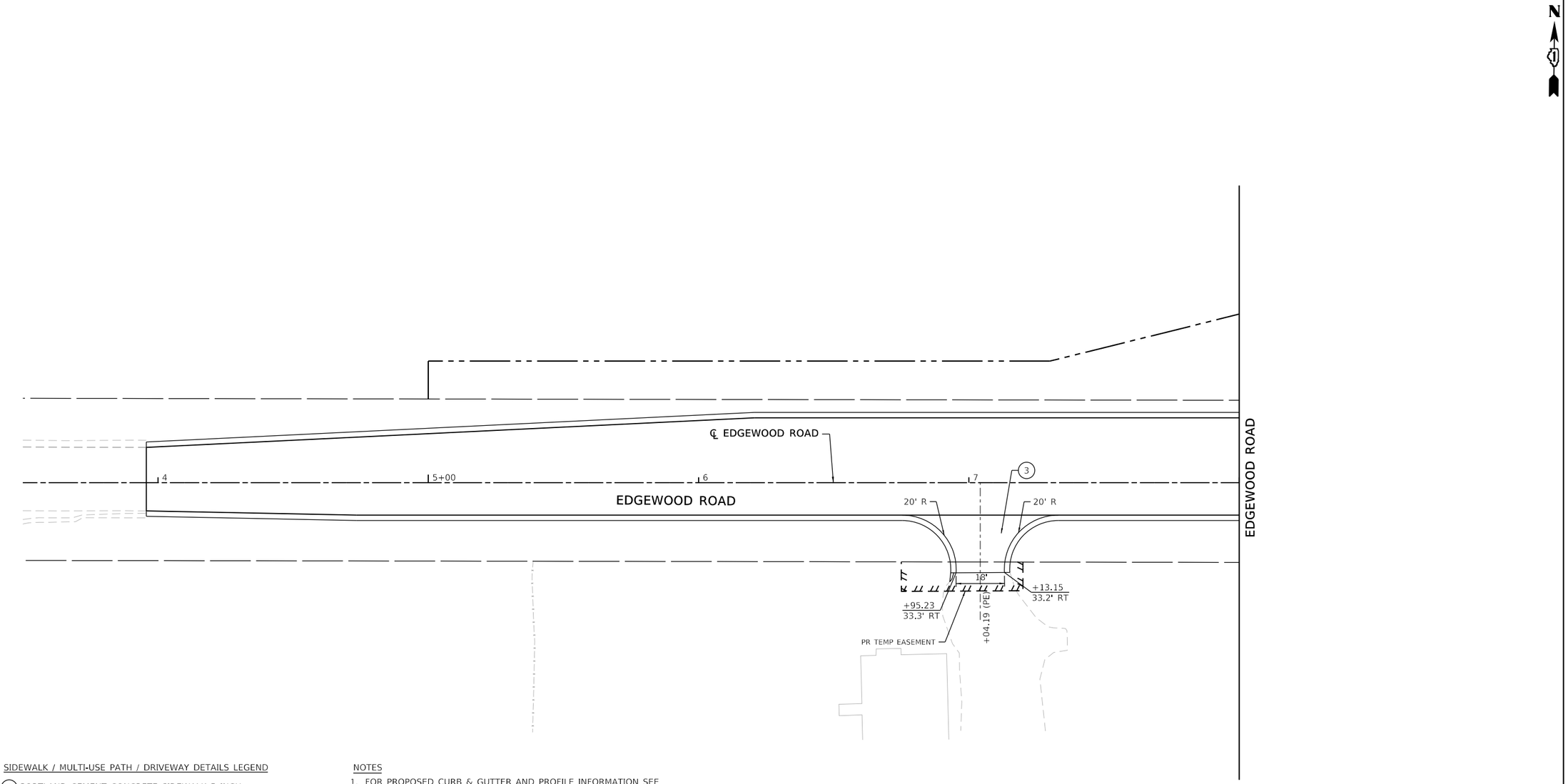
USER NAME = bwitort		DESIGNED - EJB	REVISED -	
		DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.		CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024		DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
HALF MILE TRAIL

SCALE: 1"=20' | SHEET 55 OF 58 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	269
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

MODEL: Default
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PATRICK a RJR company

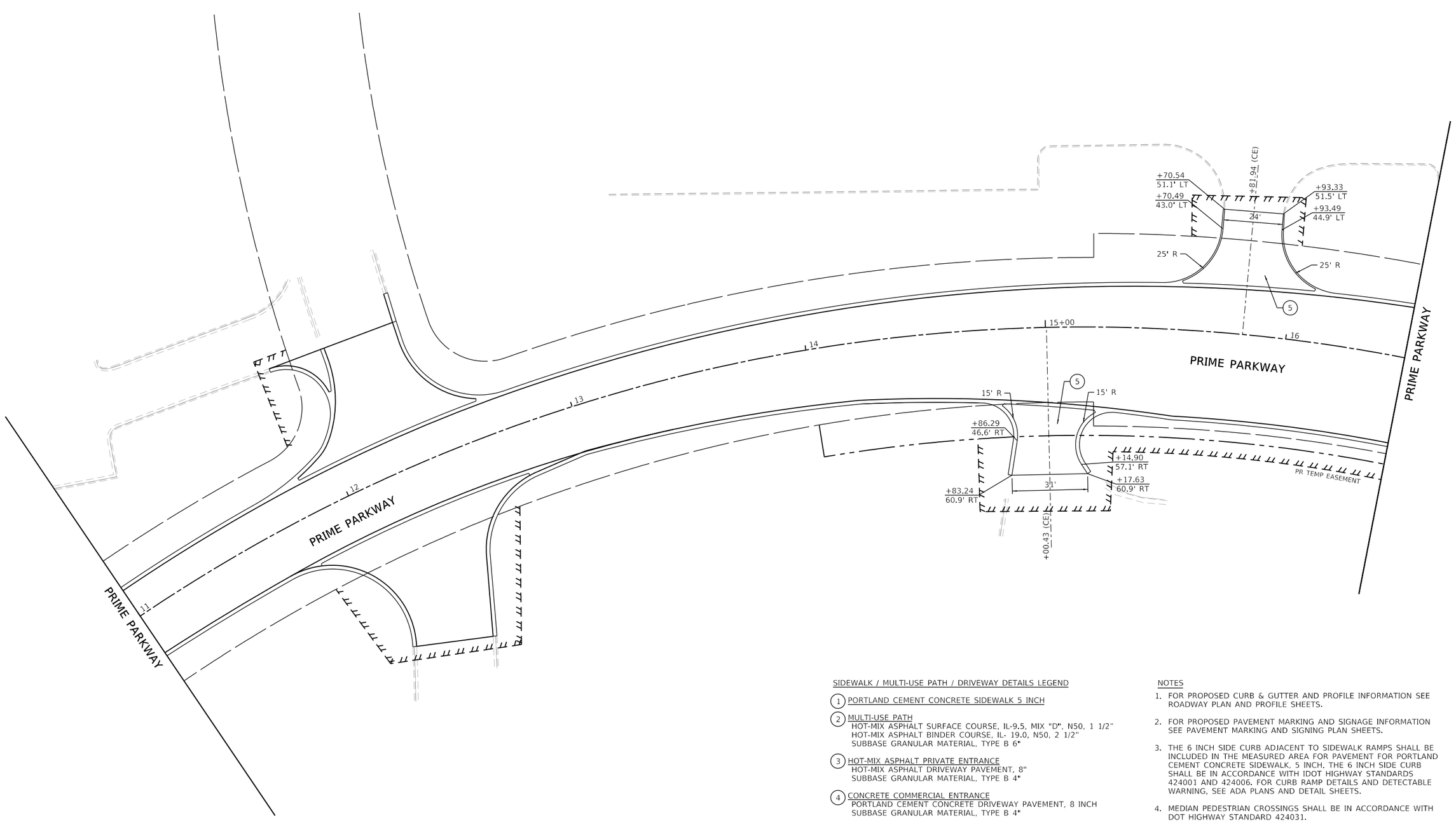
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
EDGEWOOD ROAD

SCALE: 1"=20' | SHEET 56 OF 58 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	270
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

1. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
2. MULTI-USE PATH
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
   HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
   SUBBASE GRANULAR MATERIAL, TYPE B 6"
3. HOT-MIX ASPHALT PRIVATE ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
4. CONCRETE COMMERCIAL ENTRANCE
   PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. HOT-MIX ASPHALT COMMERCIAL ENTRANCE
   HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
   SUBBASE GRANULAR MATERIAL, TYPE B 4"
6. HOT-MIX ASPHALT FIELD ENTRANCE
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
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4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".

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PATRICK a Jacobs company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK /MULTI-USE PATH /DRIVEWAY DETAILS
PRIME PARKWAY

SCALE: 1"=20' | SHEET 57 OF 58 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	271
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS LEGEND

(1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

(2) MULTI-USE PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50, 2 1/2"
SUBBASE GRANULAR MATERIAL, TYPE B 6"

(3) HOT-MIX ASPHALT PRIVATE ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

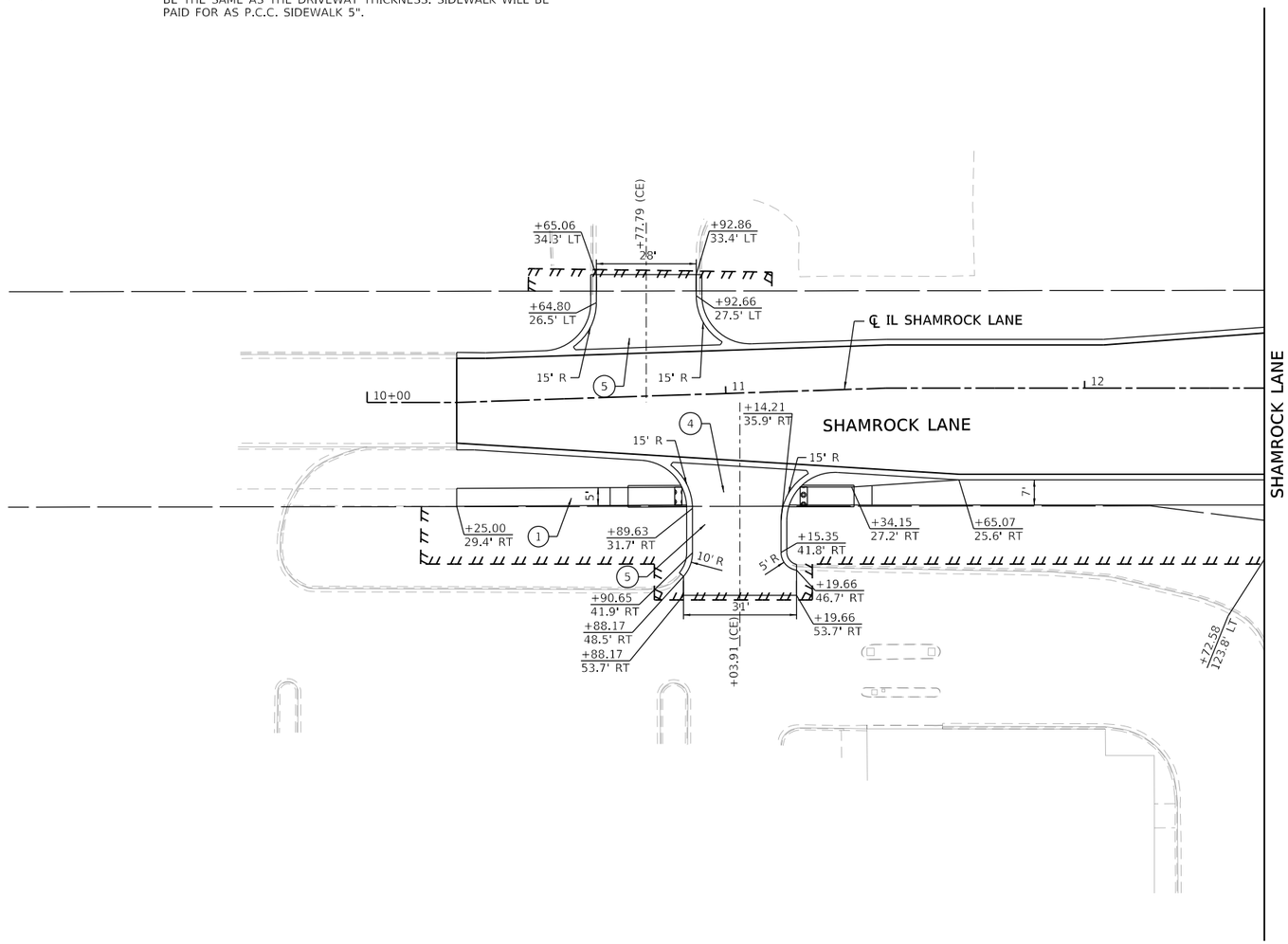
(4) CONCRETE COMMERCIAL ENTRANCE
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(5) HOT-MIX ASPHALT COMMERCIAL ENTRANCE
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(6) HOT-MIX ASPHALT FIELD ENTRANCE
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
AGGREGATE BASE COURSE, TYPE B 8"

NOTES

1. FOR PROPOSED CURB & GUTTER AND PROFILE INFORMATION SEE ROADWAY PLAN AND PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING AND SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS.
3. THE 6 INCH SIDE CURB ADJACENT TO SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA FOR PAVEMENT FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH. THE 6 INCH SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 AND 424006. FOR CURB RAMP DETAILS AND DETECTABLE WARNING, SEE ADA PLANS AND DETAIL SHEETS.
4. MEDIAN PEDESTRIAN CROSSINGS SHALL BE IN ACCORDANCE WITH DOT HIGHWAY STANDARD 424031.
5. DRIVEWAY GEOMETRICS AND DETAIL ARE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD DETAILS BD400-01 AND BD400-02
6. WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK 5".



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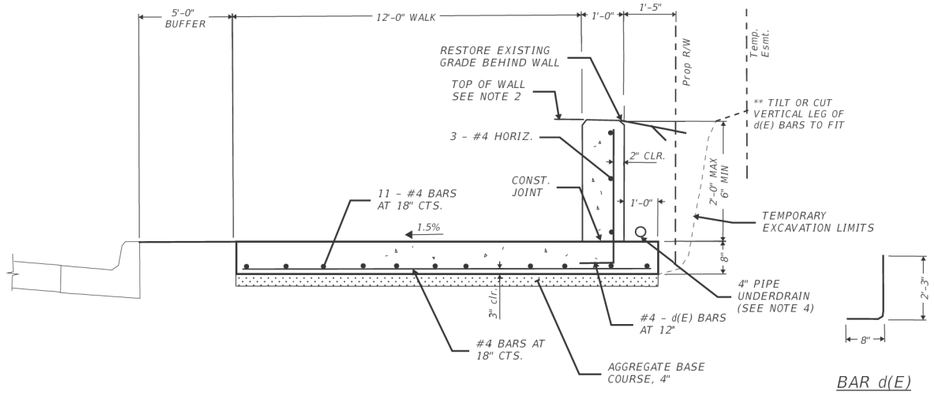
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 31 MULTI-USE PATH PLAN SHAMROCK LANE
		DRAWN - EJB	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1"=20' SHEET 58 OF 58 SHEETS STA. TO STA.
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	272
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



BAR d(E)

TYPICAL SECTION
PCC SIDEWALK (SPECIAL) WITH RETAINING WALL IN CUT LOCATIONS*

NOTES:
1. ALL REINFORCEMENT SHALL BE EPOXY COATED
2. THE TOP OF WALL SHALL MATCH THE EXISTING GRADE AT THE BACK FACE OF WALL.
3. IF LAPPING OF REINFORCEMENT BARS IS REQUIRED, THE MINIMUM BAR LAP LENGTH SHALL BE 2'-8" .
4. THE PIPE UNDERDRAIN SHALL BE WRAPPED WITH GEOTEXTILE FABRIC AND OUTLET TO A DRAINAGE STRUCTURE.

*IL 31 STA. 339+55 RT TO STA. 341+47 RT

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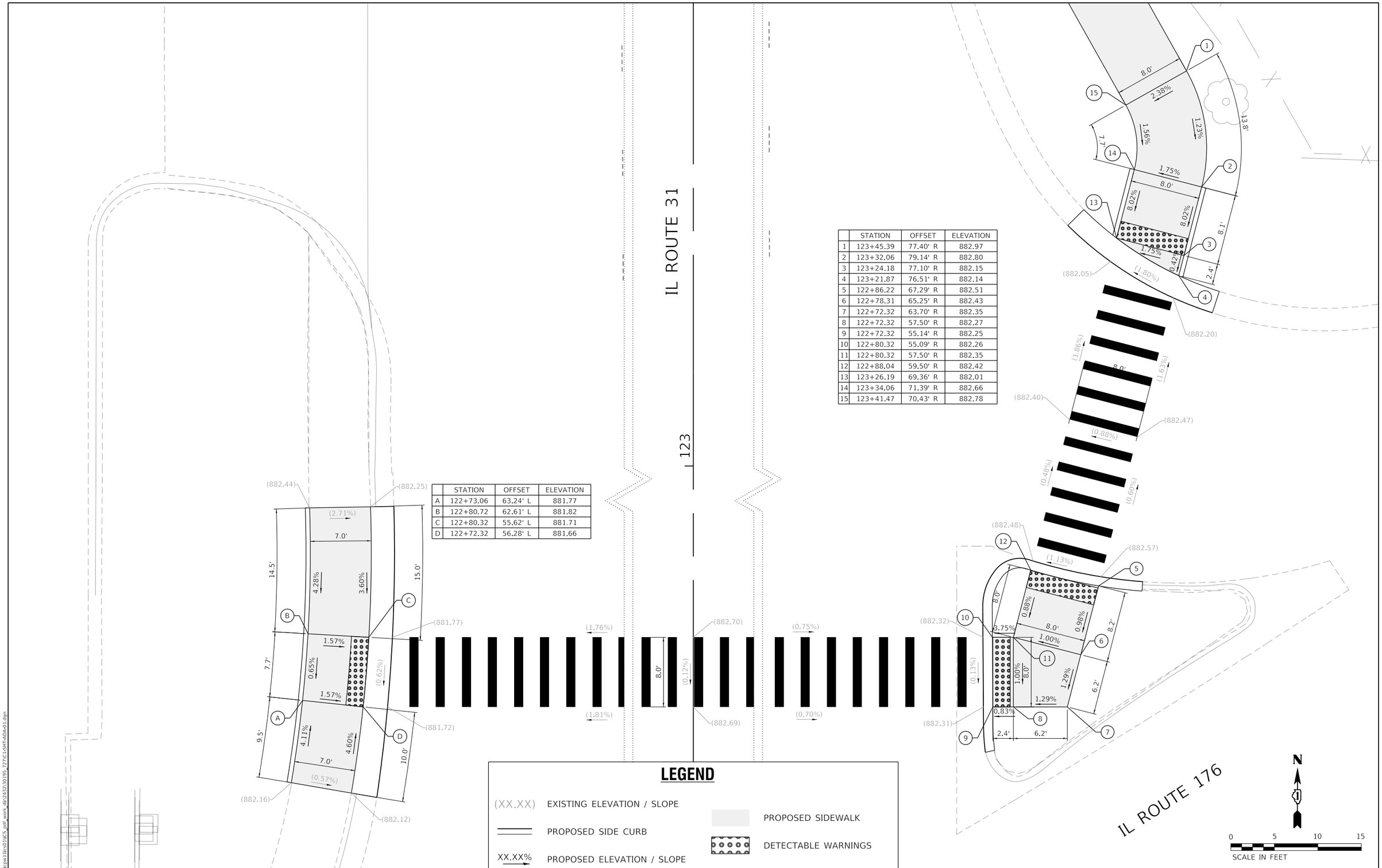
PATRICK a RJR company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PCC SIDEWALK (SPECIAL) DETAIL ILLINOIS ROUTE 31
		DRAWN - EJB	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KE	REVISED -		
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	273
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
1	123+45.39	77.40' R	882.97
2	123+32.06	79.14' R	882.80
3	123+24.18	77.10' R	882.15
4	123+21.87	76.51' R	882.14
5	122+86.22	67.29' R	882.51
6	122+78.31	65.25' R	882.43
7	122+72.32	63.70' R	882.35
8	122+72.32	57.50' R	882.27
9	122+72.32	55.14' R	882.25
10	122+80.32	55.09' R	882.26
11	122+80.32	57.50' R	882.35
12	122+88.04	59.50' R	882.42
13	123+26.19	69.36' R	882.01
14	123+34.06	71.39' R	882.66
15	123+41.47	70.43' R	882.78

	STATION	OFFSET	ELEVATION
A	122+73.06	63.24' L	881.77
B	122+80.72	62.61' L	881.82
C	122+80.32	55.62' L	881.71
D	122+72.32	56.28' L	881.66

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\patricpw11ics01\ICS_pdf_work_dir\2432\30195_727\C1-SHT-ADA-01.dgn

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE -	REVISED -	

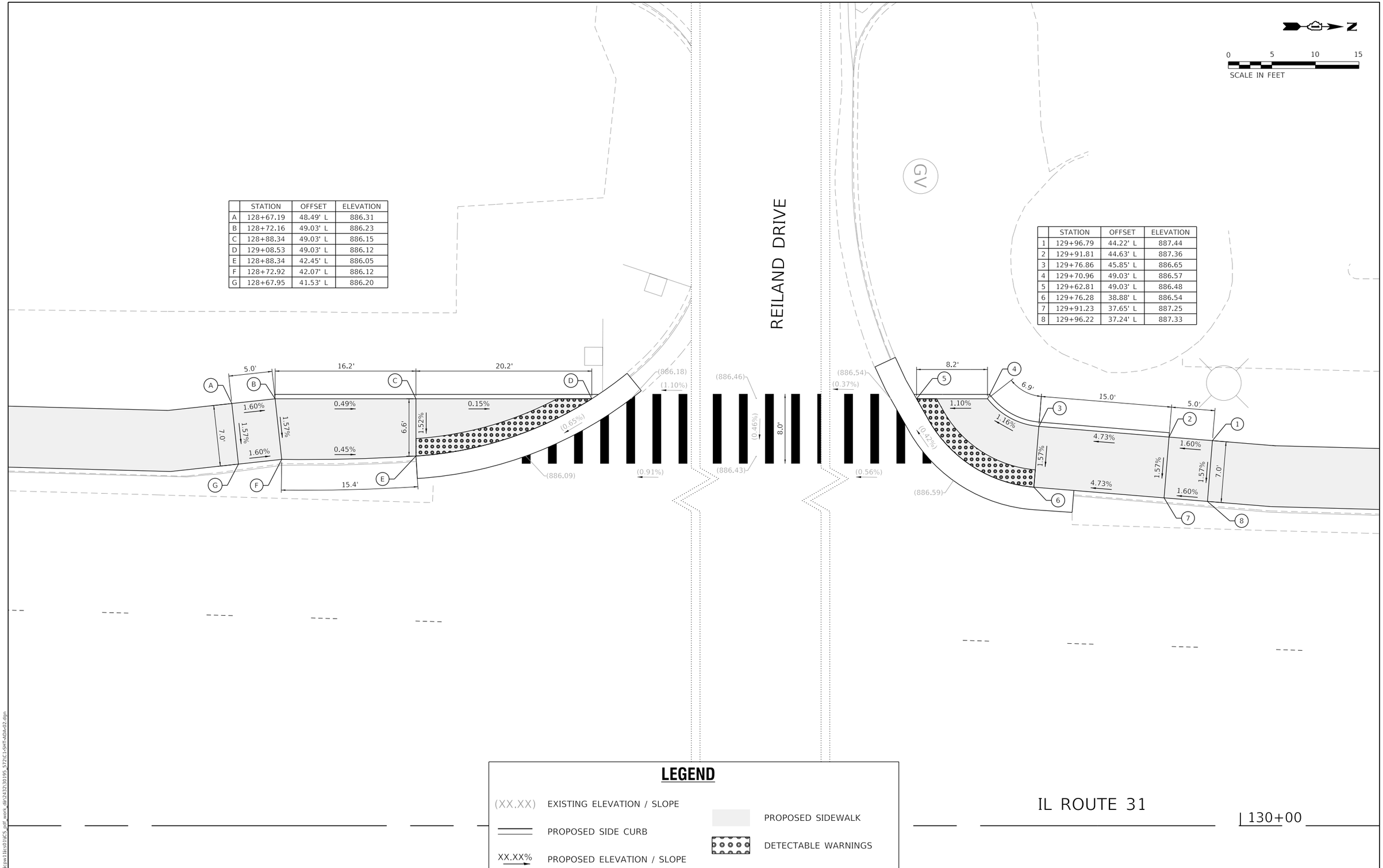
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	274

CONTRACT NO.

ILLINOIS FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	128+67.19	48.49' L	886.31
B	128+72.16	49.03' L	886.23
C	128+88.34	49.03' L	886.15
D	129+08.53	49.03' L	886.12
E	128+88.34	42.45' L	886.05
F	128+72.92	42.07' L	886.12
G	128+67.95	41.53' L	886.20

	STATION	OFFSET	ELEVATION
1	129+96.79	44.22' L	887.44
2	129+91.81	44.63' L	887.36
3	129+76.86	45.85' L	886.65
4	129+70.96	49.03' L	886.57
5	129+62.81	49.03' L	886.48
6	129+76.28	38.88' L	886.54
7	129+91.23	37.65' L	887.25
8	129+96.22	37.24' L	887.33

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
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Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

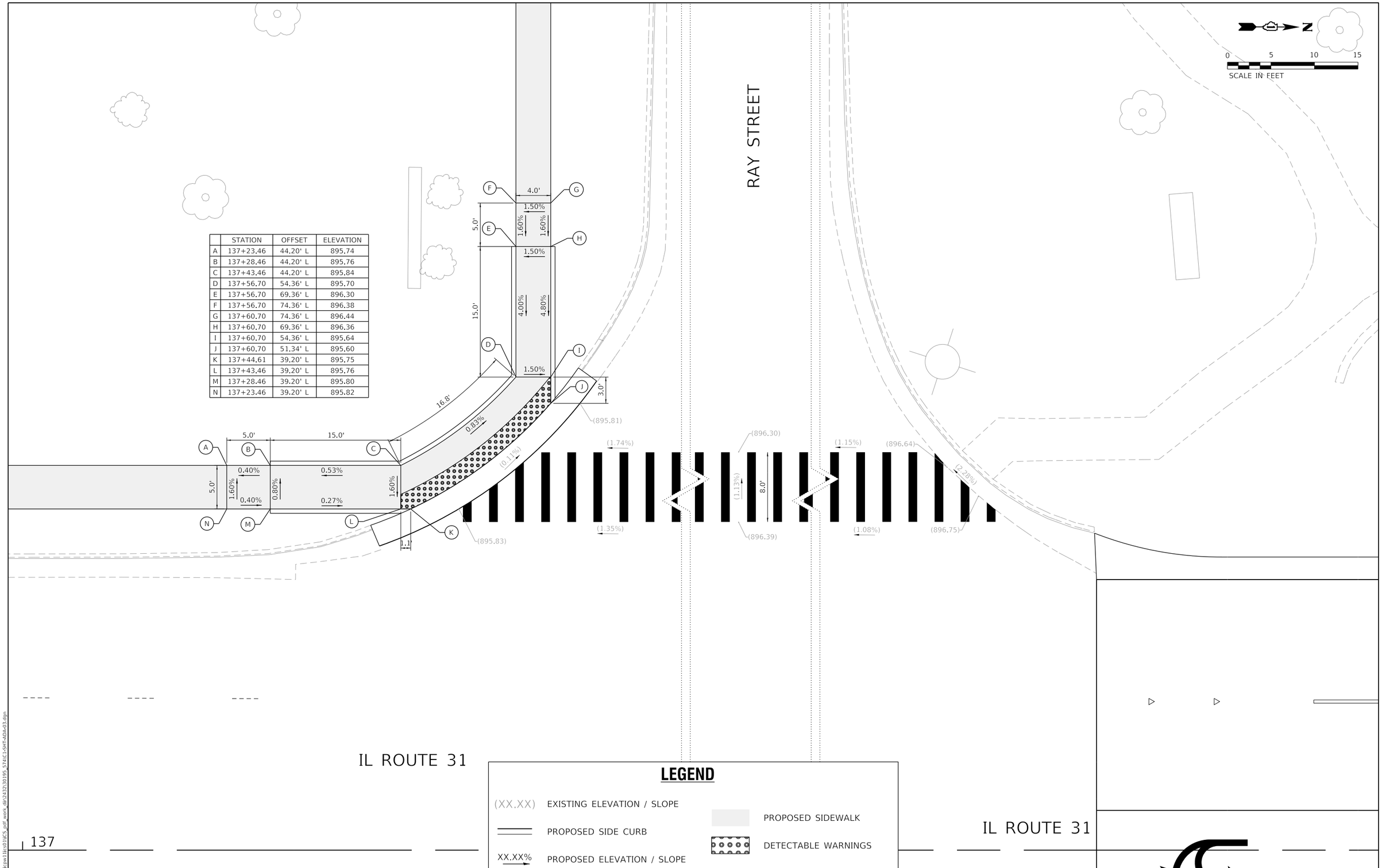
ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /REILAND DRIVE

SCALE: 1"=5' | SHEET 2 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	275

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	137+23.46	44.20' L	895.74
B	137+28.46	44.20' L	895.76
C	137+43.46	44.20' L	895.84
D	137+56.70	54.36' L	895.70
E	137+56.70	69.36' L	896.30
F	137+56.70	74.36' L	896.38
G	137+60.70	74.36' L	896.44
H	137+60.70	69.36' L	896.36
I	137+60.70	54.36' L	895.64
J	137+60.70	51.34' L	895.60
K	137+44.61	39.20' L	895.75
L	137+43.46	39.20' L	895.76
M	137+28.46	39.20' L	895.80
N	137+23.46	39.20' L	895.82

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
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Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /RAY STREET

SCALE: 1"=5' | SHEET 3 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	276

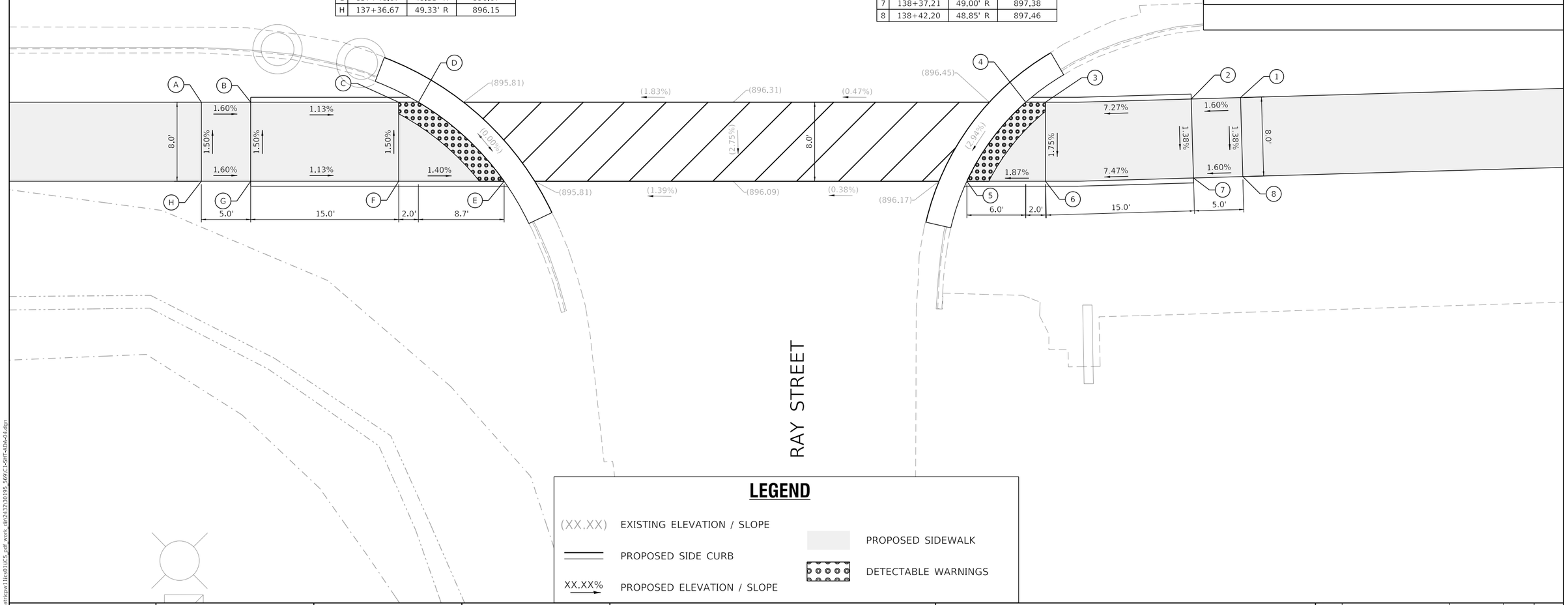
CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

IL ROUTE 31

	STATION	OFFSET	ELEVATION
A	137+36.67	41.33' R	896.03
B	137+41.67	41.33' R	895.95
C	137+56.67	41.33' R	895.78
D	137+58.67	41.33' R	895.75
E	137+67.35	49.33' R	895.75
F	137+56.67	49.33' R	895.90
G	137+41.67	49.33' R	896.07
H	137+36.67	49.33' R	896.15

	STATION	OFFSET	ELEVATION
1	138+41.98	40.86' R	897.57
2	138+36.98	41.00' R	897.49
3	138+22.21	41.33' R	896.40
4	138+20.21	41.33' R	896.39
5	138+14.24	49.33' R	896.11
6	138+22.21	49.33' R	896.26
7	138+37.21	49.00' R	897.38
8	138+42.20	48.85' R	897.46



LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

0 5 10 15
SCALE IN FEET

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Peralte-Clark LLC

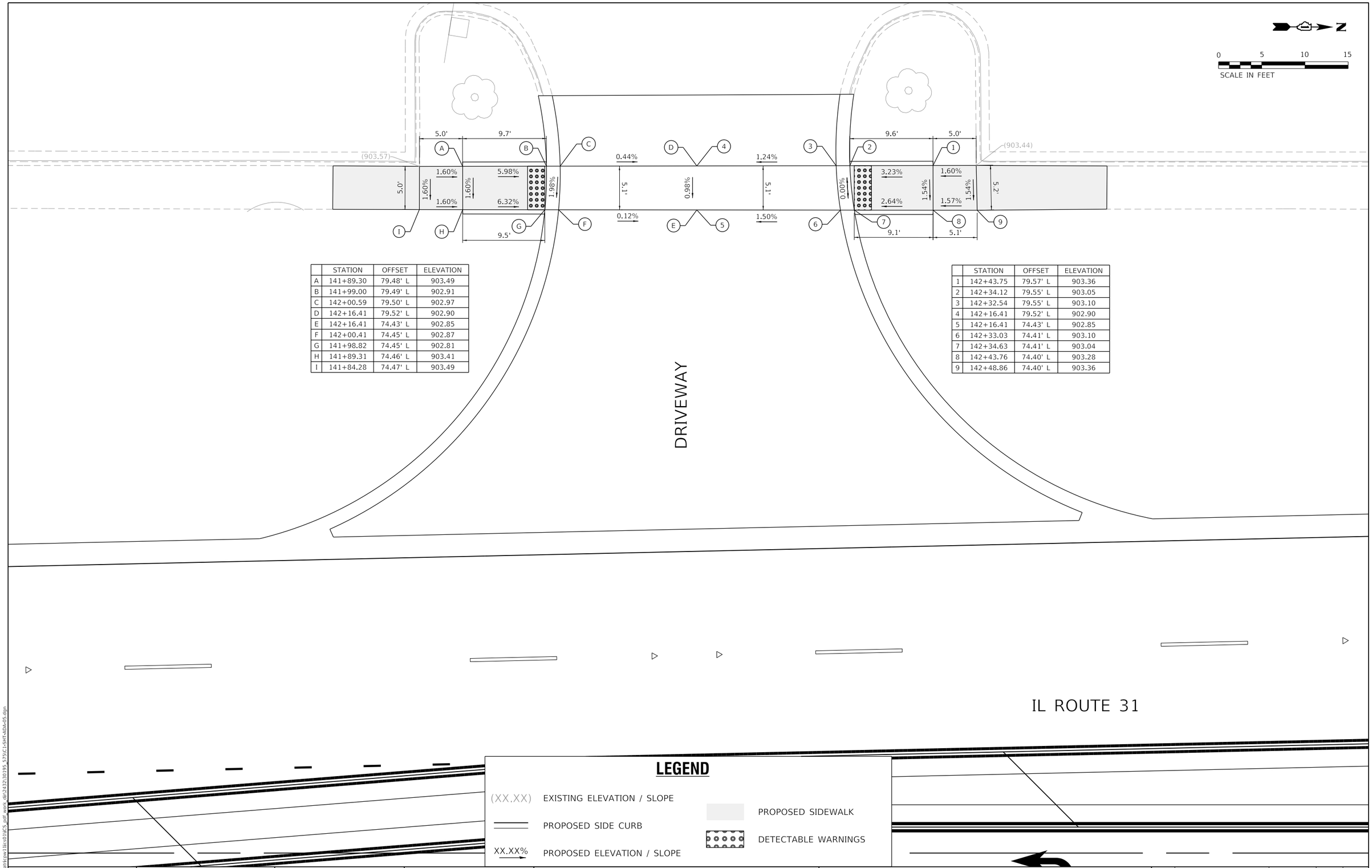
USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /RAY STREET

SCALE: 1"=5' | SHEET 4 OF 31 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	277
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
A	141+89.30	79.48' L	903.49
B	141+99.00	79.49' L	902.91
C	142+00.59	79.50' L	902.97
D	142+16.41	79.52' L	902.90
E	142+16.41	74.43' L	902.85
F	142+00.41	74.45' L	902.87
G	141+98.82	74.45' L	902.81
H	141+89.31	74.46' L	903.41
I	141+84.28	74.47' L	903.49

	STATION	OFFSET	ELEVATION
1	142+43.75	79.57' L	903.36
2	142+34.12	79.55' L	903.05
3	142+32.54	79.55' L	903.10
4	142+16.41	79.52' L	902.90
5	142+16.41	74.43' L	902.85
6	142+33.03	74.41' L	903.10
7	142+34.63	74.41' L	903.04
8	142+43.76	74.40' L	903.28
9	142+48.86	74.40' L	903.36

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
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Peralte-Clark LLC

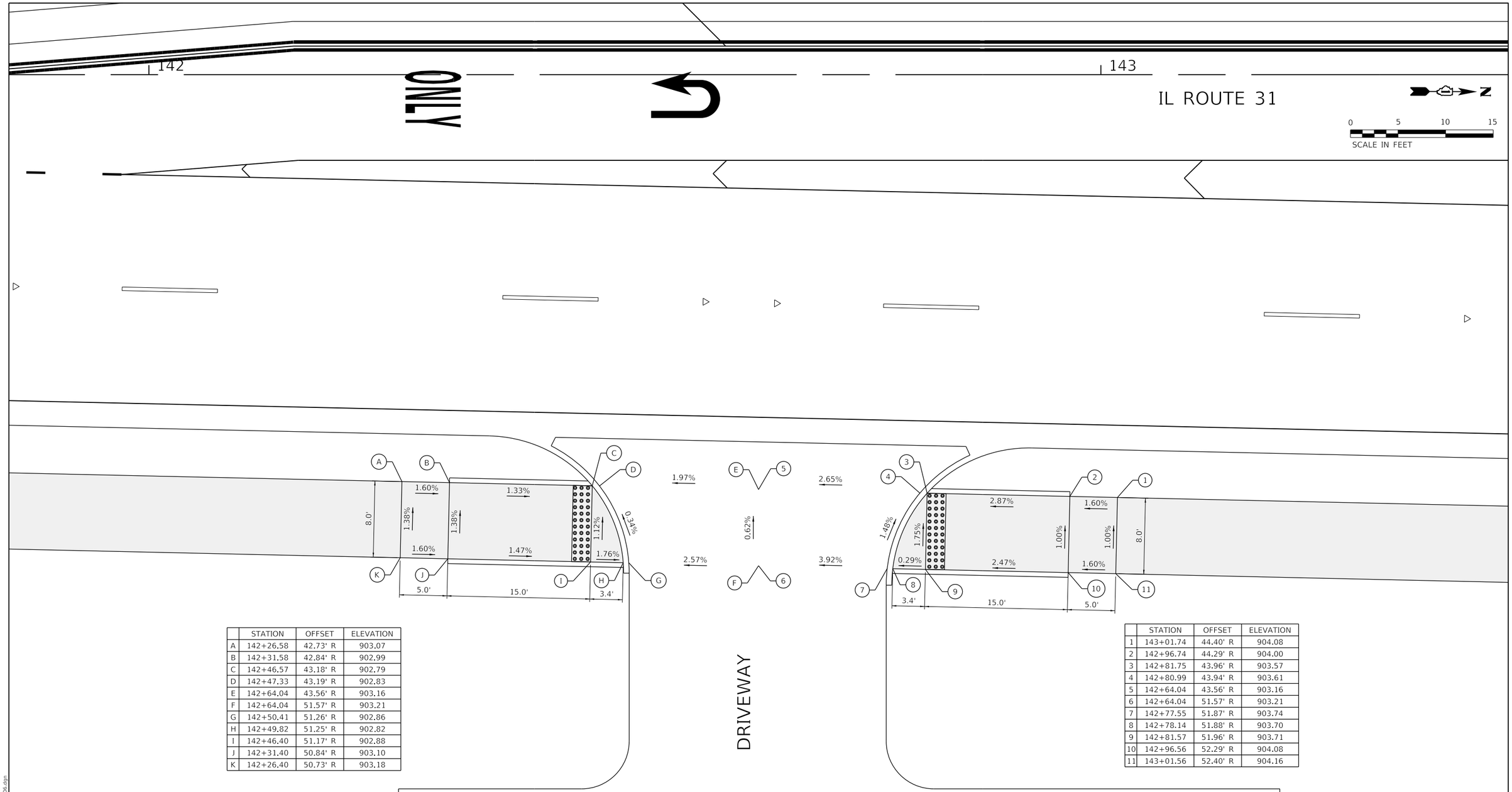
USER NAME = eboelter		DESIGNED - MJJ	REVISED -	
		DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1		CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024		DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /COLUMBIA COLLEGE DRIVEWAY

SCALE: 1"=5' | SHEET 5 OF 31 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	278
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
A	142+26.58	42.73' R	903.07
B	142+31.58	42.84' R	902.99
C	142+46.57	43.18' R	902.79
D	142+47.33	43.19' R	902.83
E	142+64.04	43.56' R	903.16
F	142+64.04	51.57' R	903.21
G	142+50.41	51.26' R	902.86
H	142+49.82	51.25' R	902.82
I	142+46.40	51.17' R	902.88
J	142+31.40	50.84' R	903.10
K	142+26.40	50.73' R	903.18

	STATION	OFFSET	ELEVATION
1	143+01.74	44.40' R	904.08
2	142+96.74	44.29' R	904.00
3	142+81.75	43.96' R	903.57
4	142+80.99	43.94' R	903.61
5	142+64.04	43.56' R	903.16
6	142+64.04	51.57' R	903.21
7	142+77.55	51.87' R	903.74
8	142+78.14	51.88' R	903.70
9	142+81.57	51.96' R	903.71
10	142+96.56	52.29' R	904.08
11	143+01.56	52.40' R	904.16

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\pathcow11\c$\DCS_prof_work_dir\2432\30195_1043\C1-SHT-ADA-06.dgn

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /DRIVEWAY STA. 142+64.00

SCALE: 1"=5' | SHEET 6 OF 31 SHEETS | STA. 142+64.00 TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	279
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

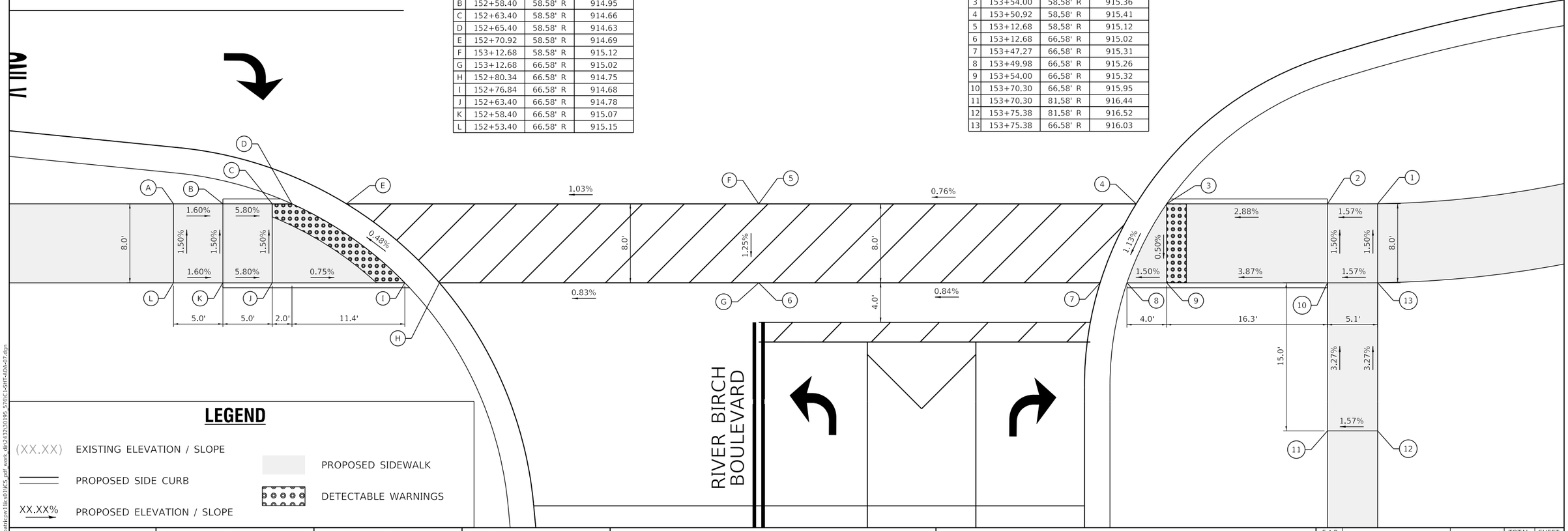
153

IL ROUTE 31

0 5 10
SCALE IN FEET

	STATION	OFFSET	ELEVATION
A	152+53.40	58.58' R	915.03
B	152+58.40	58.58' R	914.95
C	152+63.40	58.58' R	914.66
D	152+65.40	58.58' R	914.63
E	152+70.92	58.58' R	914.69
F	153+12.68	58.58' R	915.12
G	153+12.68	66.58' R	915.02
H	152+80.34	66.58' R	914.75
I	152+76.84	66.58' R	914.68
J	152+63.40	66.58' R	914.78
K	152+58.40	66.58' R	915.07
L	152+53.40	66.58' R	915.15

	STATION	OFFSET	ELEVATION
1	153+75.38	58.57' R	915.91
2	153+70.30	58.58' R	915.83
3	153+54.00	58.58' R	915.36
4	153+50.92	58.58' R	915.41
5	153+12.68	58.58' R	915.12
6	153+12.68	66.58' R	915.02
7	153+47.27	66.58' R	915.31
8	153+49.98	66.58' R	915.26
9	153+54.00	66.58' R	915.32
10	153+70.30	66.58' R	915.95
11	153+70.30	81.58' R	916.44
12	153+75.38	81.58' R	916.52
13	153+75.38	66.58' R	916.03



LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

Peralte-Clark LLC

USER NAME = eboelter		DESIGNED - MJJ	REVISED -	
		DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1		CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024		DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /RIVER BIRCH BLVD

SCALE: 1"=5' | SHEET 7 OF 31 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	280
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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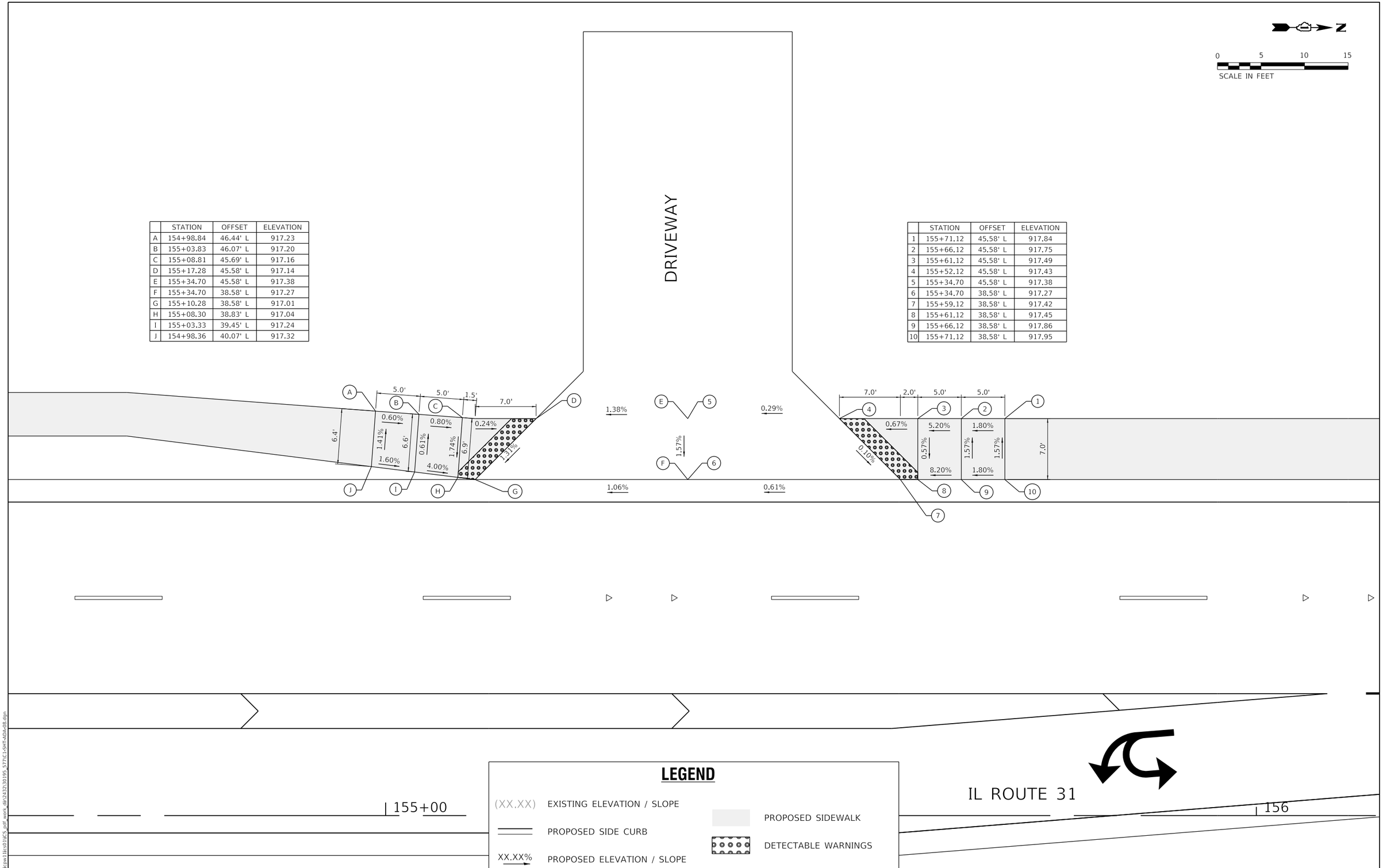


	STATION	OFFSET	ELEVATION
A	154+98.84	46.44' L	917.23
B	155+03.83	46.07' L	917.20
C	155+08.81	45.69' L	917.16
D	155+17.28	45.58' L	917.14
E	155+34.70	45.58' L	917.38
F	155+34.70	38.58' L	917.27
G	155+10.28	38.58' L	917.01
H	155+08.30	38.83' L	917.04
I	155+03.33	39.45' L	917.24
J	154+98.36	40.07' L	917.32

	STATION	OFFSET	ELEVATION
1	155+71.12	45.58' L	917.84
2	155+66.12	45.58' L	917.75
3	155+61.12	45.58' L	917.49
4	155+52.12	45.58' L	917.43
5	155+34.70	45.58' L	917.38
6	155+34.70	38.58' L	917.27
7	155+59.12	38.58' L	917.42
8	155+61.12	38.58' L	917.45
9	155+66.12	38.58' L	917.86
10	155+71.12	38.58' L	917.95

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\patricpw11ics01\ICS_pdf_work_dir\2432\30195_577\C1-SHT-ADA-08.dgn

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

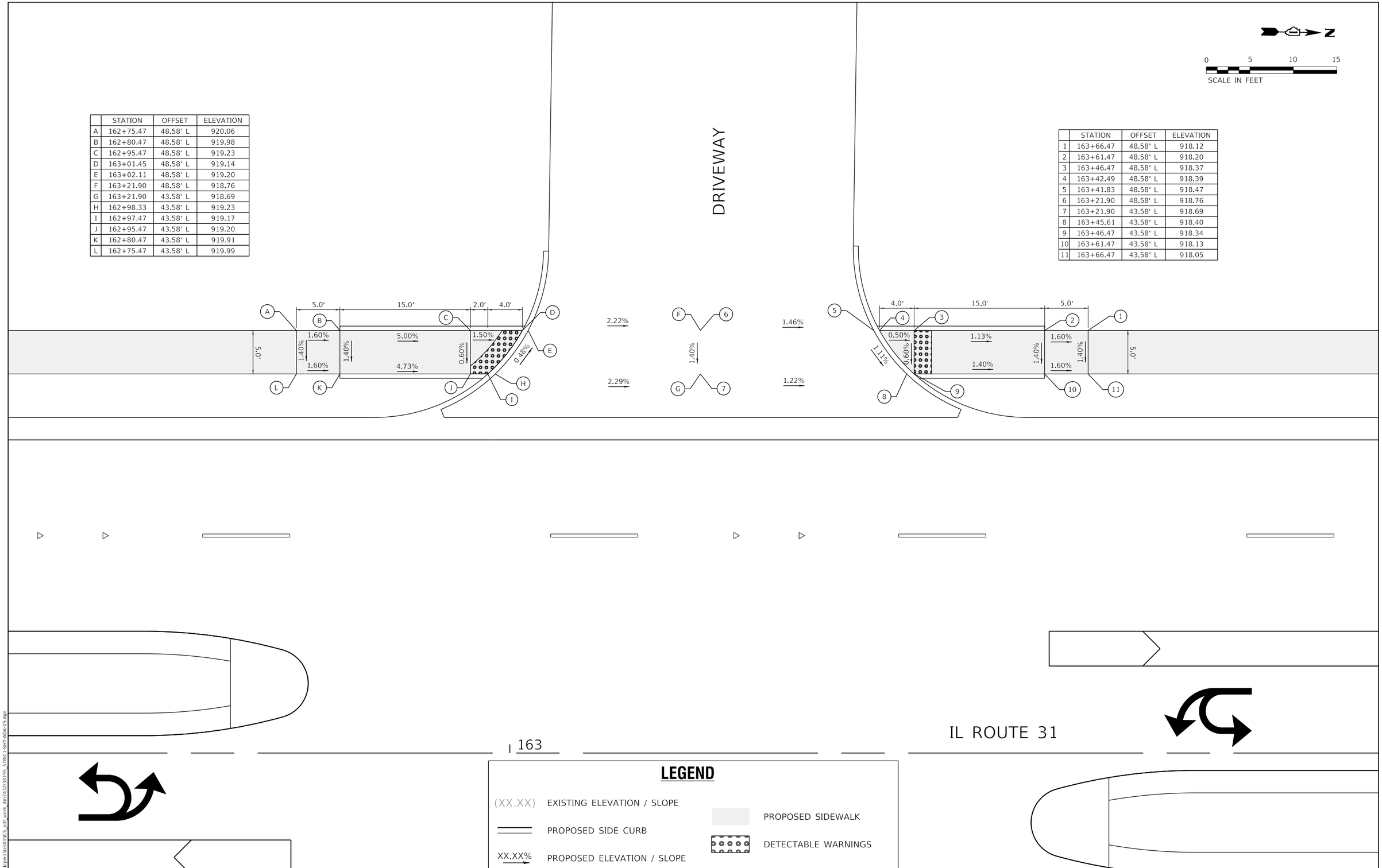
ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /DRIVEWAY STA. 155+34.70

SCALE: 1"=5' | SHEET 8 OF 31 SHEETS | STA. 155+34.70 TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	281
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

	STATION	OFFSET	ELEVATION
A	162+75.47	48.58' L	920.06
B	162+80.47	48.58' L	919.98
C	162+95.47	48.58' L	919.23
D	163+01.45	48.58' L	919.14
E	163+02.11	48.58' L	919.20
F	163+21.90	48.58' L	918.76
G	163+21.90	43.58' L	918.69
H	162+98.33	43.58' L	919.23
I	162+97.47	43.58' L	919.17
J	162+95.47	43.58' L	919.20
K	162+80.47	43.58' L	919.91
L	162+75.47	43.58' L	919.99

	STATION	OFFSET	ELEVATION
1	163+66.47	48.58' L	918.12
2	163+61.47	48.58' L	918.20
3	163+46.47	48.58' L	918.37
4	163+42.49	48.58' L	918.39
5	163+41.83	48.58' L	918.47
6	163+21.90	48.58' L	918.76
7	163+21.90	43.58' L	918.69
8	163+45.61	43.58' L	918.40
9	163+46.47	43.58' L	918.34
10	163+61.47	43.58' L	918.13
11	163+66.47	43.58' L	918.05



LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\patricpw11ics01\ICS_pdf_work_dir\2432\30195_578\C1-SHT-ADA-09.dgn

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /DRIVEWAY STA. 163+20.00

SCALE: 1"=5' | SHEET 9 OF 31 SHEETS | STA. 163+20.00 TO STA.

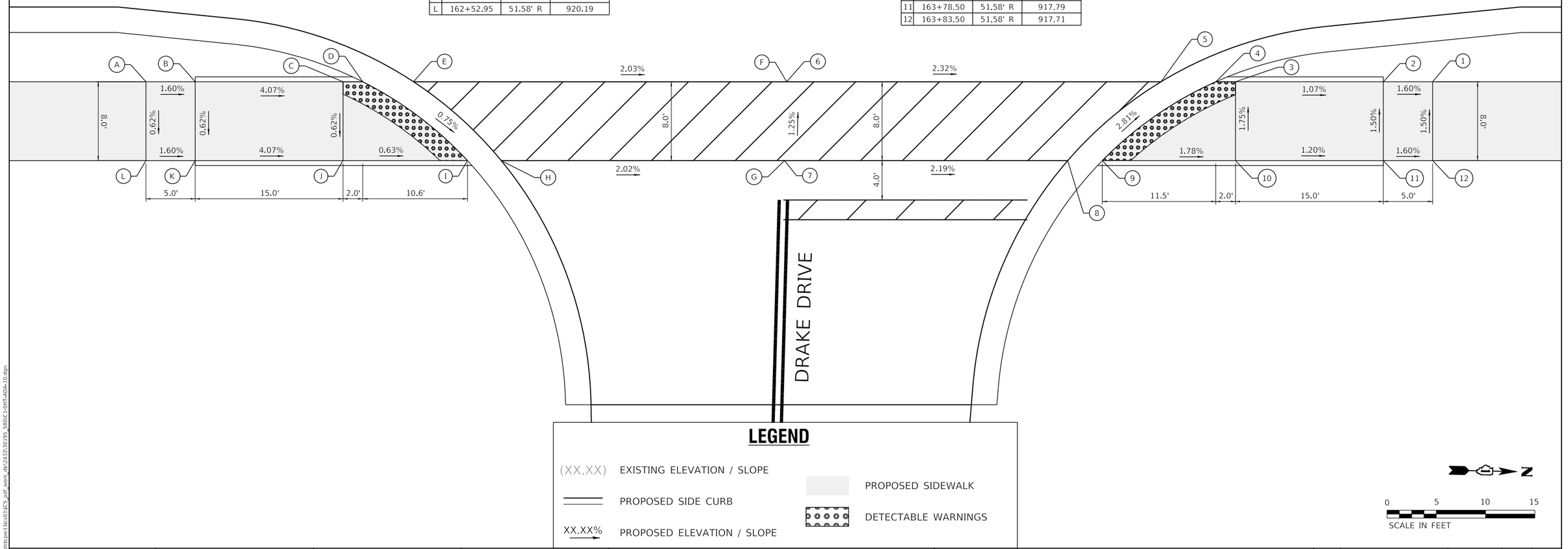
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	282

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

	STATION	OFFSET	ELEVATION
A	162+52.95	43.58' R	920.24
B	162+57.95	43.58' R	920.16
C	162+72.95	43.58' R	919.55
D	162+74.95	43.58' R	919.52
E	162+80.10	43.58' R	919.57
F	163+17.96	43.58' R	918.80
G	163+17.74	51.58' R	918.90
H	162+89.00	51.58' R	919.48
I	162+85.57	51.58' R	919.42
J	162+72.95	51.58' R	919.50
K	162+57.95	51.58' R	920.11
L	162+52.95	51.58' R	920.19

	STATION	OFFSET	ELEVATION
1	163+83.50	43.58' R	917.59
2	163+78.50	43.58' R	917.67
3	163+63.50	43.58' R	917.83
4	163+61.50	43.58' R	917.86
5	163+55.94	43.58' R	917.92
6	163+17.96	43.58' R	918.80
7	163+17.74	51.58' R	918.90
8	163+46.48	51.58' R	918.27
9	163+49.99	51.58' R	918.21
10	163+63.50	51.58' R	917.97
11	163+78.50	51.58' R	917.79
12	163+83.50	51.58' R	917.71



LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

N

0 5 10 15

SCALE IN FEET

MODEL: Default
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Peralte-Clark LLC

USER NAME = eboelter		DESIGNED - MJJ	REVISED -	
		DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1		CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024		DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /DRAKE DRIVE

SCALE: 1"=5' | SHEET 10 OF 31 SHEETS | STA. | TO STA.

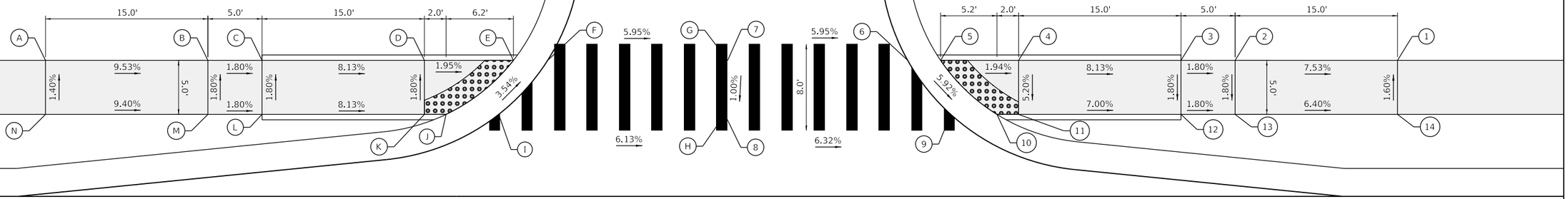
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	283
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

	STATION	OFFSET	ELEVATION
A	170+32.53	48.58' L	885.11
B	170+47.53	48.58' L	883.68
C	170+52.53	48.58' L	883.59
D	170+67.53	48.58' L	882.37
E	170+75.76	48.58' L	882.21
F	170+78.91	48.58' L	882.27
G	170+95.54	48.58' L	881.28
H	170+95.28	43.58' L	881.23
I	170+74.39	43.58' L	882.51
J	170+69.53	43.58' L	882.45
K	170+67.53	43.58' L	882.46
L	170+52.53	43.58' L	883.68
M	170+47.53	43.58' L	883.77
N	170+32.53	43.58' L	885.18

	STATION	OFFSET	ELEVATION
1	171+57.42	48.58' L	877.66
2	171+42.42	48.58' L	878.79
3	171+37.42	48.58' L	878.88
4	171+22.42	48.58' L	880.10
5	171+15.21	48.58' L	880.24
6	171+12.17	48.58' L	880.29
7	170+95.54	48.58' L	881.28
8	170+95.28	43.58' L	881.23
9	171+16.15	43.58' L	879.91
10	171+20.42	43.58' L	879.85
11	171+22.42	43.58' L	879.84
12	171+37.42	43.58' L	878.79
13	171+42.42	43.58' L	878.70
14	171+57.42	43.58' L	877.74

0 5 10 15
SCALE IN FEET

SHADY OAKS LANE



IL ROUTE 31

171

LEGEND

(XX.XX)	EXISTING ELEVATION / SLOPE
	PROPOSED SIDE CURB
XX.XX%	PROPOSED ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS

MODEL: Default
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Peralte-Clark LLC

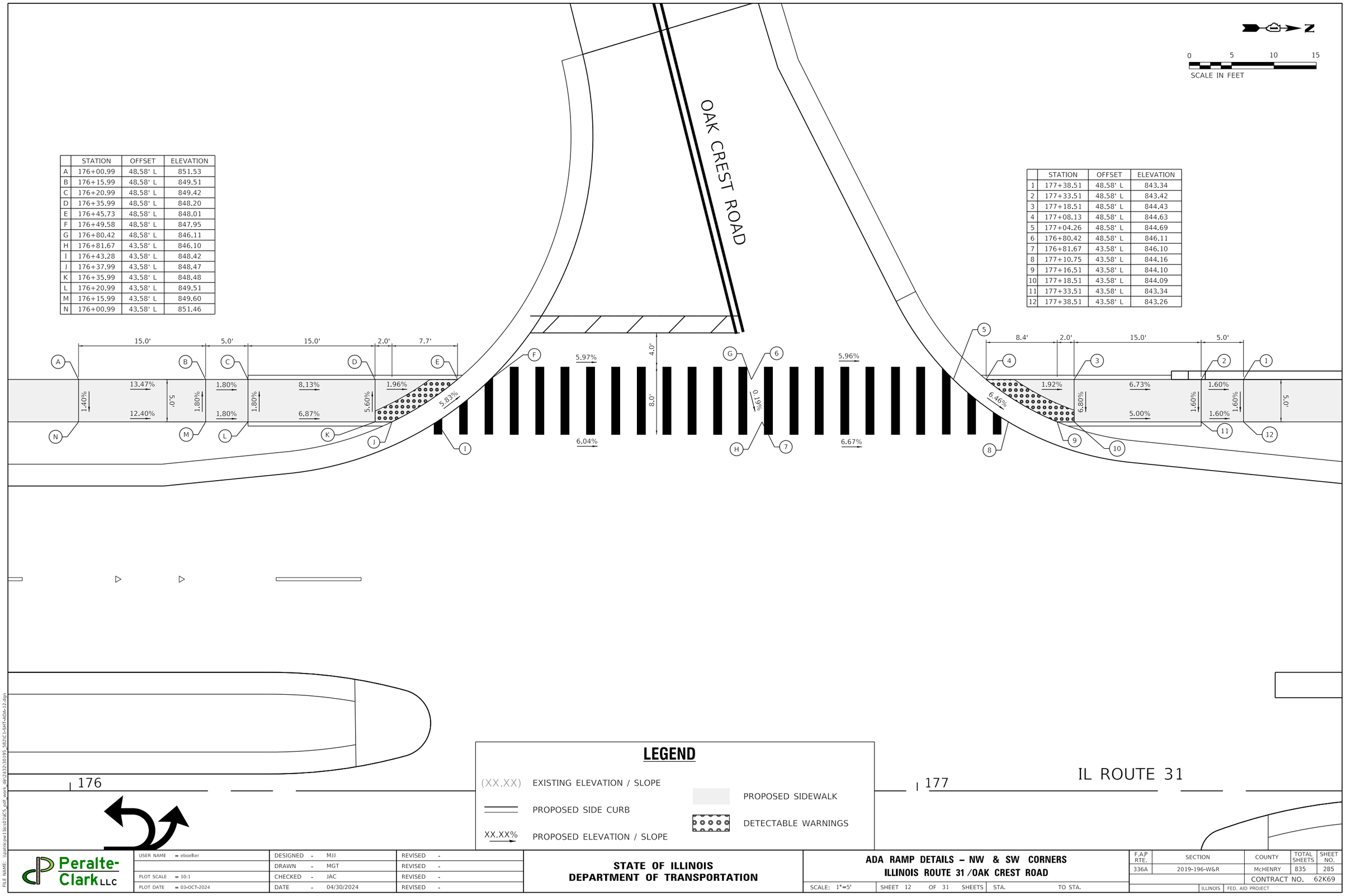
USER NAME	= eboelter	DESIGNED	- MJJ	REVISED	-
		DRAWN	- MGT	REVISED	-
PLOT SCALE	= 10:1	CHECKED	- JAC	REVISED	-
PLOT DATE	= 03-OCT-2024	DATE	- 04/30/2024	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /SHADY OAKS LANE

SCALE: 1"=5' | SHEET 11 OF 31 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	284
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
A	176+00.99	48.58' L	851.53
B	176+15.99	48.58' L	849.51
C	176+20.99	48.58' L	849.42
D	176+35.99	48.58' L	848.20
E	176+45.73	48.58' L	848.01
F	176+49.58	48.58' L	847.95
G	176+80.42	48.58' L	846.11
H	176+81.67	43.58' L	846.10
I	176+43.28	43.58' L	848.42
J	176+37.99	43.58' L	848.47
K	176+35.99	43.58' L	848.48
L	176+20.99	43.58' L	849.51
M	176+15.99	43.58' L	849.60
N	176+00.99	43.58' L	851.46

	STATION	OFFSET	ELEVATION
1	177+38.51	48.58' L	843.34
2	177+33.51	48.58' L	843.42
3	177+18.51	48.58' L	844.43
4	177+08.13	48.58' L	844.63
5	177+04.26	48.58' L	844.69
6	176+80.42	48.58' L	846.11
7	176+81.67	43.58' L	846.10
8	177+10.75	43.58' L	844.16
9	177+16.51	43.58' L	844.10
10	177+18.51	43.58' L	844.09
11	177+33.51	43.58' L	843.34
12	177+38.51	43.58' L	843.26

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
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Peralte-Clark LLC

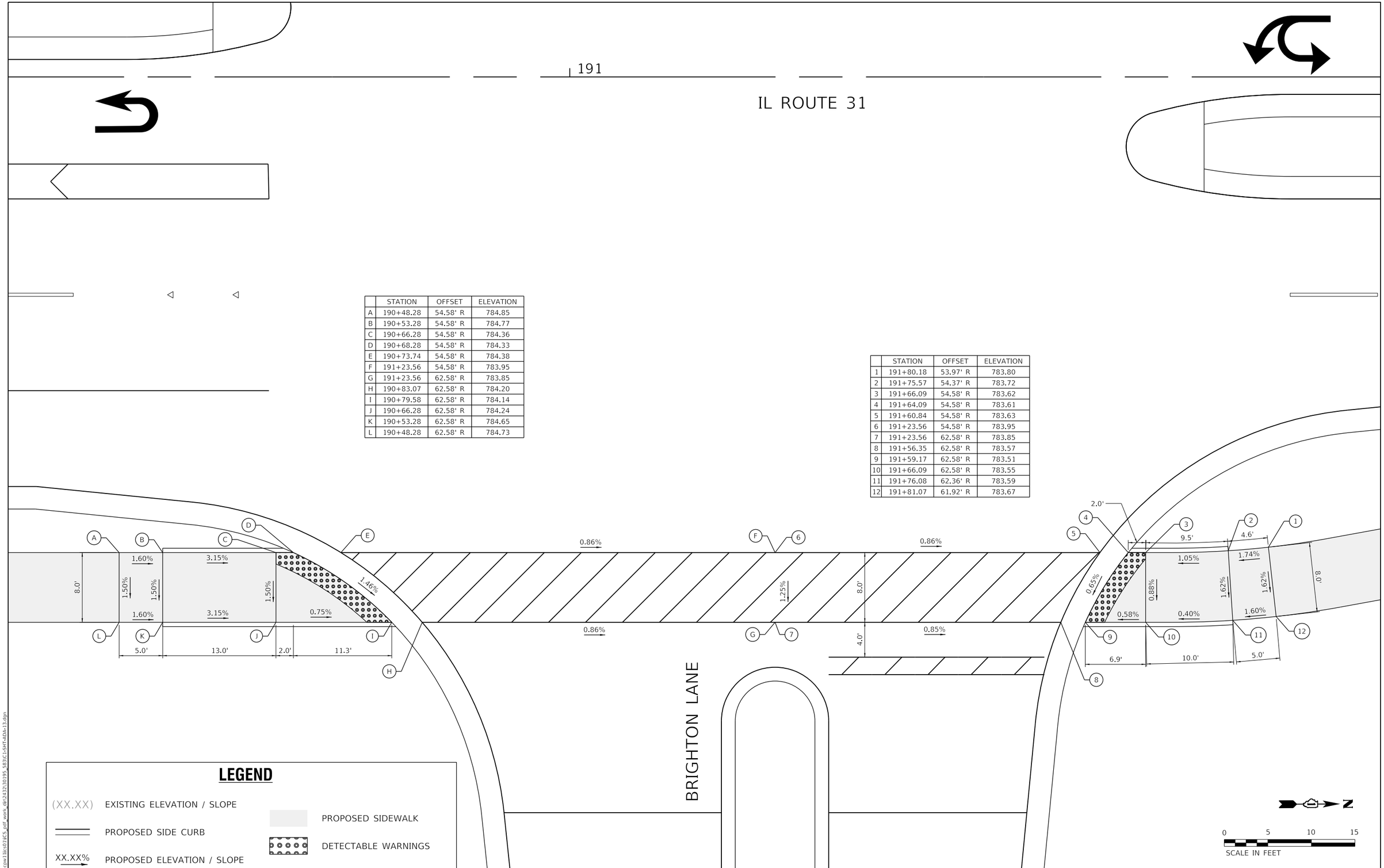
USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /OAK CREST ROAD

SCALE: 1"=5' | SHEET 12 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	285
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



	STATION	OFFSET	ELEVATION
A	190+48.28	54.58' R	784.85
B	190+53.28	54.58' R	784.77
C	190+66.28	54.58' R	784.36
D	190+68.28	54.58' R	784.33
E	190+73.74	54.58' R	784.38
F	191+23.56	54.58' R	783.95
G	191+23.56	62.58' R	783.85
H	190+83.07	62.58' R	784.20
I	190+79.58	62.58' R	784.14
J	190+66.28	62.58' R	784.24
K	190+53.28	62.58' R	784.65
L	190+48.28	62.58' R	784.73

	STATION	OFFSET	ELEVATION
1	191+80.18	53.97' R	783.80
2	191+75.57	54.37' R	783.72
3	191+66.09	54.58' R	783.62
4	191+64.09	54.58' R	783.61
5	191+60.84	54.58' R	783.63
6	191+23.56	54.58' R	783.95
7	191+23.56	62.58' R	783.85
8	191+56.35	62.58' R	783.57
9	191+59.17	62.58' R	783.51
10	191+66.09	62.58' R	783.55
11	191+76.08	62.36' R	783.59
12	191+81.07	61.92' R	783.67

MODEL: Default
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Peralte-Clark LLC

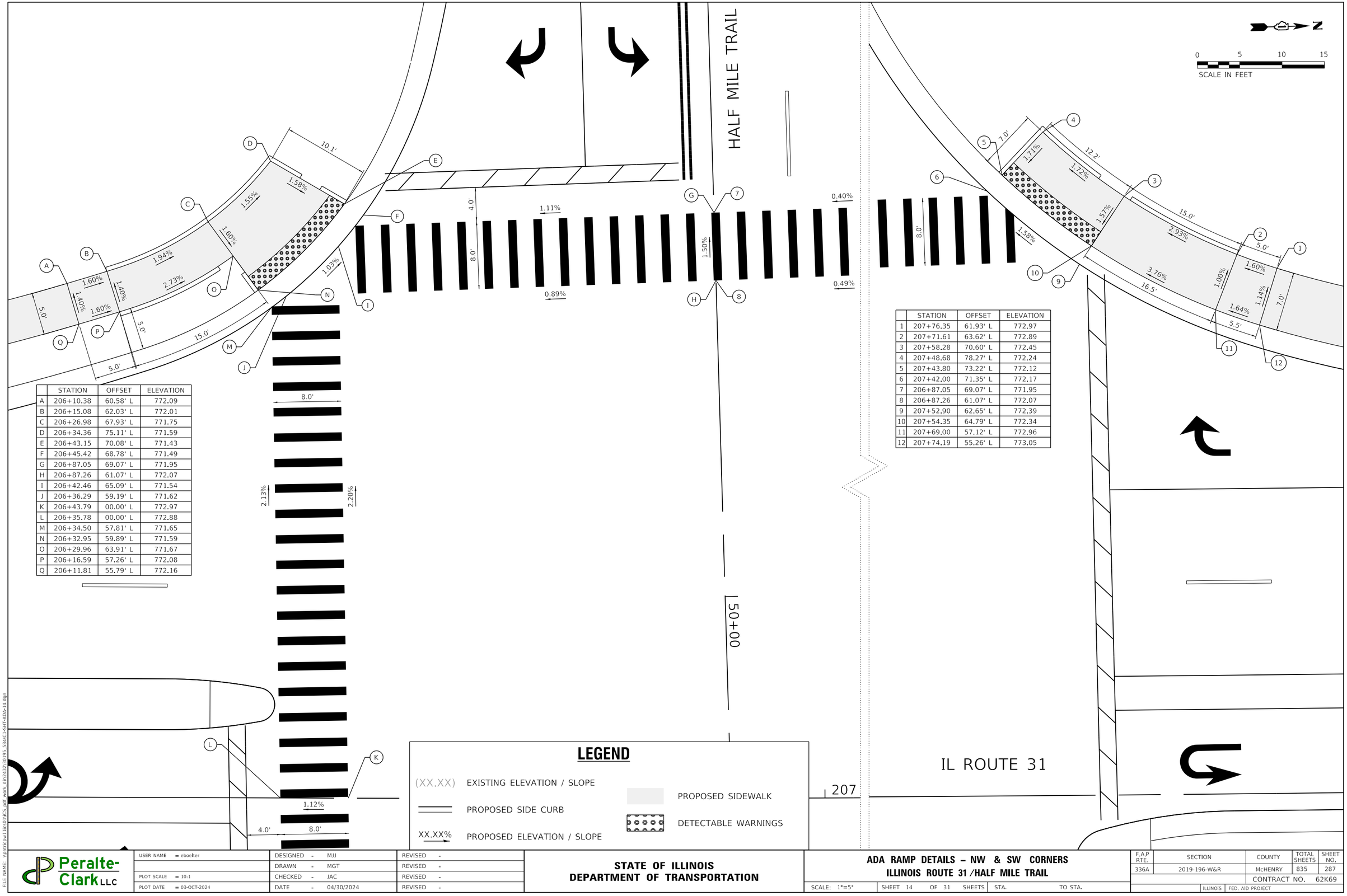
USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /BRIGHTON LANE

SCALE: 1"=5' | SHEET 13 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	286
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



	STATION	OFFSET	ELEVATION
A	206+10.38	60.58' L	772.09
B	206+15.08	62.03' L	772.01
C	206+26.98	67.93' L	771.75
D	206+34.36	75.11' L	771.59
E	206+43.15	70.08' L	771.43
F	206+45.42	68.78' L	771.49
G	206+87.05	69.07' L	771.95
H	206+87.26	61.07' L	772.07
I	206+42.46	65.09' L	771.54
J	206+36.29	59.19' L	771.62
K	206+43.79	00.00' L	772.97
L	206+35.78	00.00' L	772.88
M	206+34.50	57.81' L	771.65
N	206+32.95	59.89' L	771.59
O	206+29.96	63.91' L	771.67
P	206+16.59	57.26' L	772.08
Q	206+11.81	55.79' L	772.16

	STATION	OFFSET	ELEVATION
1	207+76.35	61.93' L	772.97
2	207+71.61	63.62' L	772.89
3	207+58.28	70.60' L	772.45
4	207+48.68	78.27' L	772.24
5	207+43.80	73.22' L	772.12
6	207+42.00	71.35' L	772.17
7	206+87.05	69.07' L	771.95
8	206+87.26	61.07' L	772.07
9	207+52.90	62.65' L	772.39
10	207+54.35	64.79' L	772.34
11	207+69.00	57.12' L	772.96
12	207+74.19	55.26' L	773.05

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\patricpw11\ics01\ICS_pdf_work_dir\2432\30195_584\C1-SHT-ADA-14.dgn

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

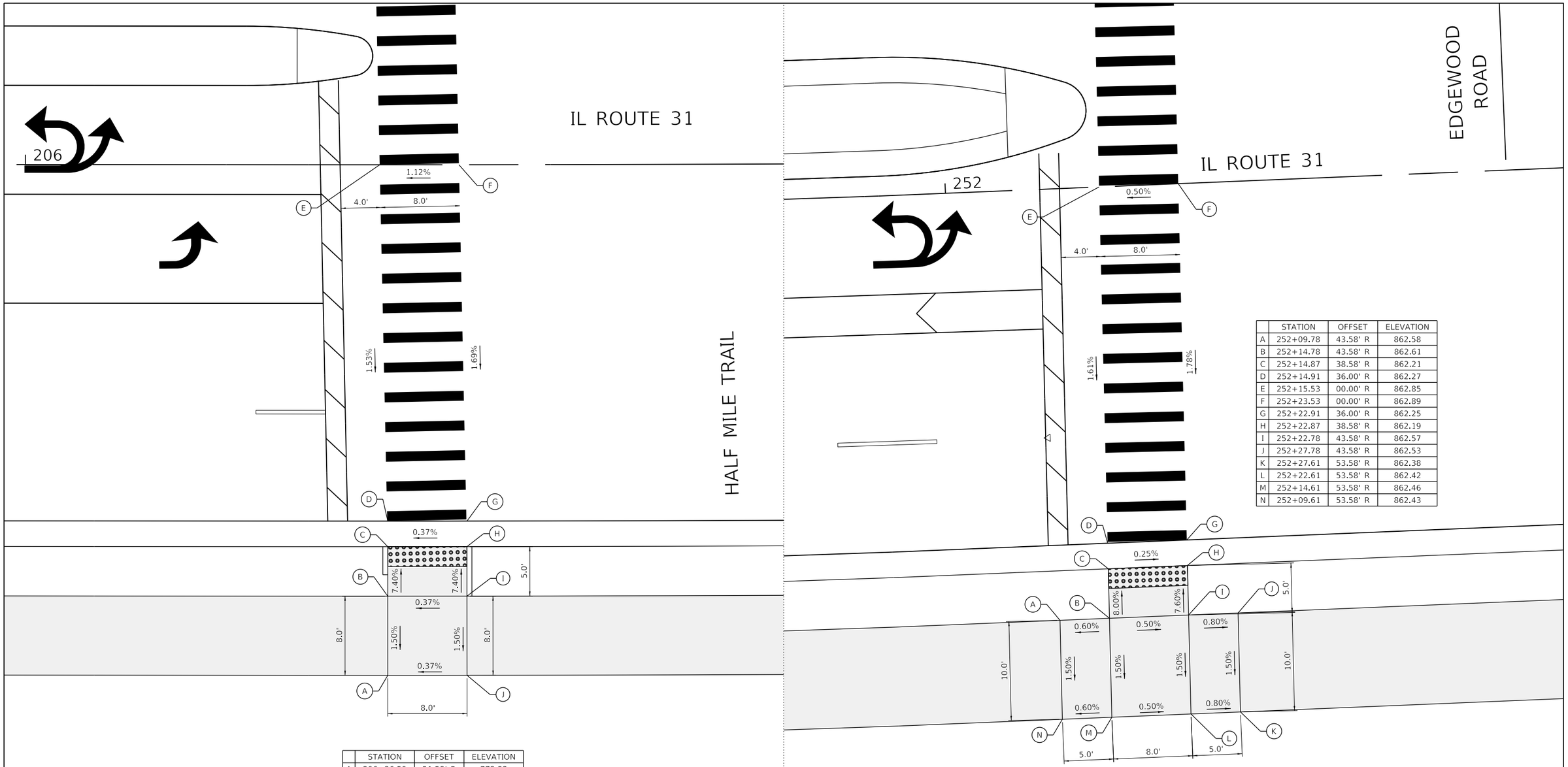
ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /HALF MILE TRAIL

SCALE: 1"=5' | SHEET 14 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	287

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	206+36.59	51.58' R	772.52
B	206+36.59	43.58' R	772.64
C	206+36.59	38.58' R	772.27
D	206+36.60	36.00' R	772.33
E	206+35.78	00.00' R	772.88
F	206+43.79	00.00' R	772.97
G	206+44.57	36.00' R	772.36
H	206+44.56	38.58' R	772.30
I	206+44.56	43.58' R	772.67
J	206+44.56	51.58' R	772.55

	STATION	OFFSET	ELEVATION
A	252+09.78	43.58' R	862.58
B	252+14.78	43.58' R	862.61
C	252+14.87	38.58' R	862.21
D	252+14.91	36.00' R	862.27
E	252+15.53	00.00' R	862.85
F	252+23.53	00.00' R	862.89
G	252+22.91	36.00' R	862.25
H	252+22.87	38.58' R	862.19
I	252+22.78	43.58' R	862.57
J	252+27.78	43.58' R	862.53
K	252+27.61	53.58' R	862.38
L	252+22.61	53.58' R	862.42
M	252+14.61	53.58' R	862.46
N	252+09.61	53.58' R	862.43

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

N

0 5 10 15

SCALE IN FEET

MODEL: Default
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Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

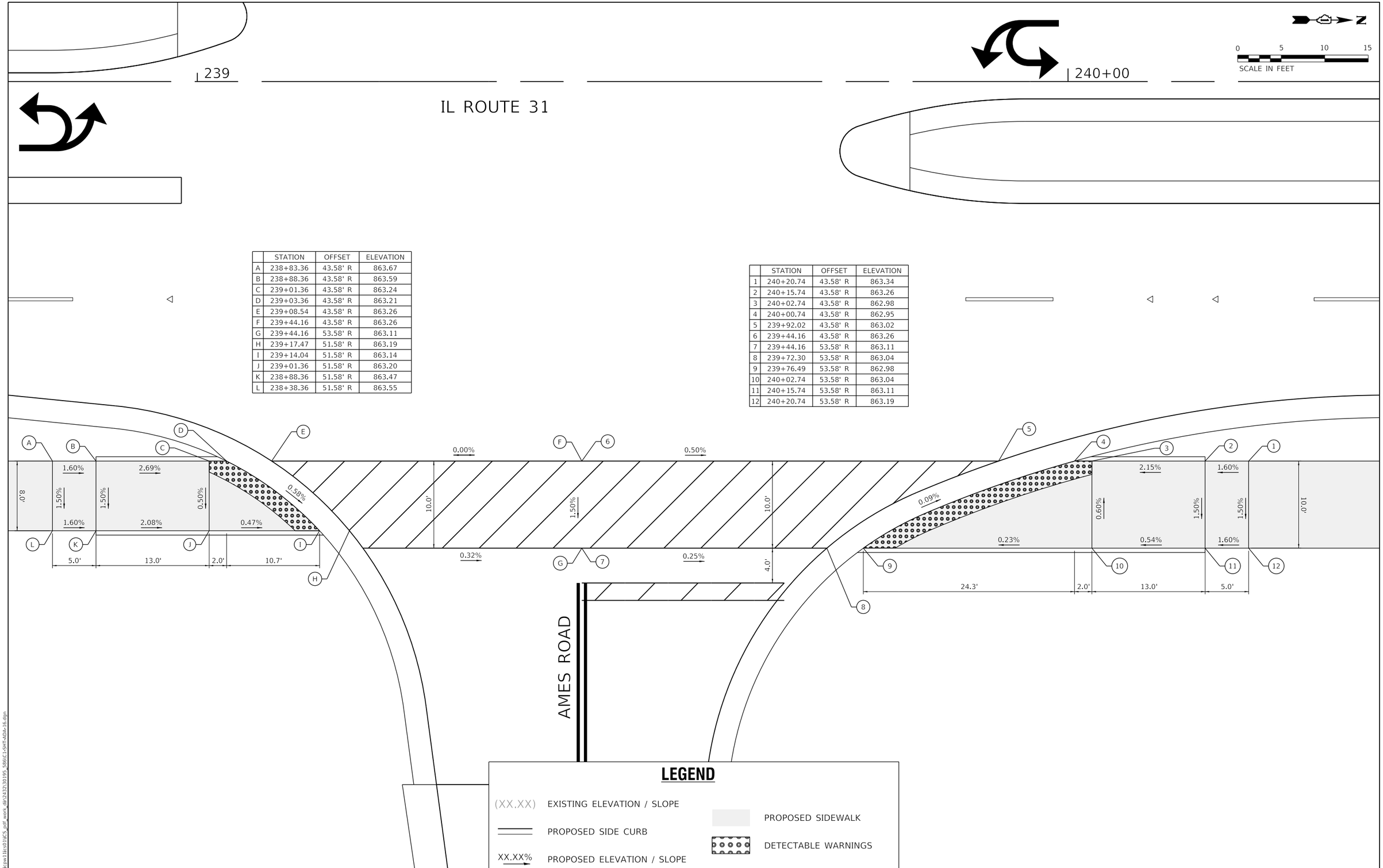
ADA RAMP DETAILS – SE CORNER
ILLINOIS ROUTE 31 /HALF MILE TRAIL & EDGEWOOD RD

SCALE: 1"=5' | SHEET 15 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	288

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	238+83.36	43.58' R	863.67
B	238+88.36	43.58' R	863.59
C	239+01.36	43.58' R	863.24
D	239+03.36	43.58' R	863.21
E	239+08.54	43.58' R	863.26
F	239+44.16	43.58' R	863.26
G	239+44.16	53.58' R	863.11
H	239+17.47	51.58' R	863.19
I	239+14.04	51.58' R	863.14
J	239+01.36	51.58' R	863.20
K	238+88.36	51.58' R	863.47
L	238+38.36	51.58' R	863.55

	STATION	OFFSET	ELEVATION
1	240+20.74	43.58' R	863.34
2	240+15.74	43.58' R	863.26
3	240+02.74	43.58' R	862.98
4	240+00.74	43.58' R	862.95
5	239+92.02	43.58' R	863.02
6	239+44.16	43.58' R	863.26
7	239+44.16	53.58' R	863.11
8	239+72.30	53.58' R	863.04
9	239+76.49	53.58' R	862.98
10	240+02.74	53.58' R	863.04
11	240+15.74	53.58' R	863.11
12	240+20.74	53.58' R	863.19

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\patricpw11\ics01\ICS_pdf_work_dir\2432\30195_586\C1-SHT-ADA-16.dgn

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

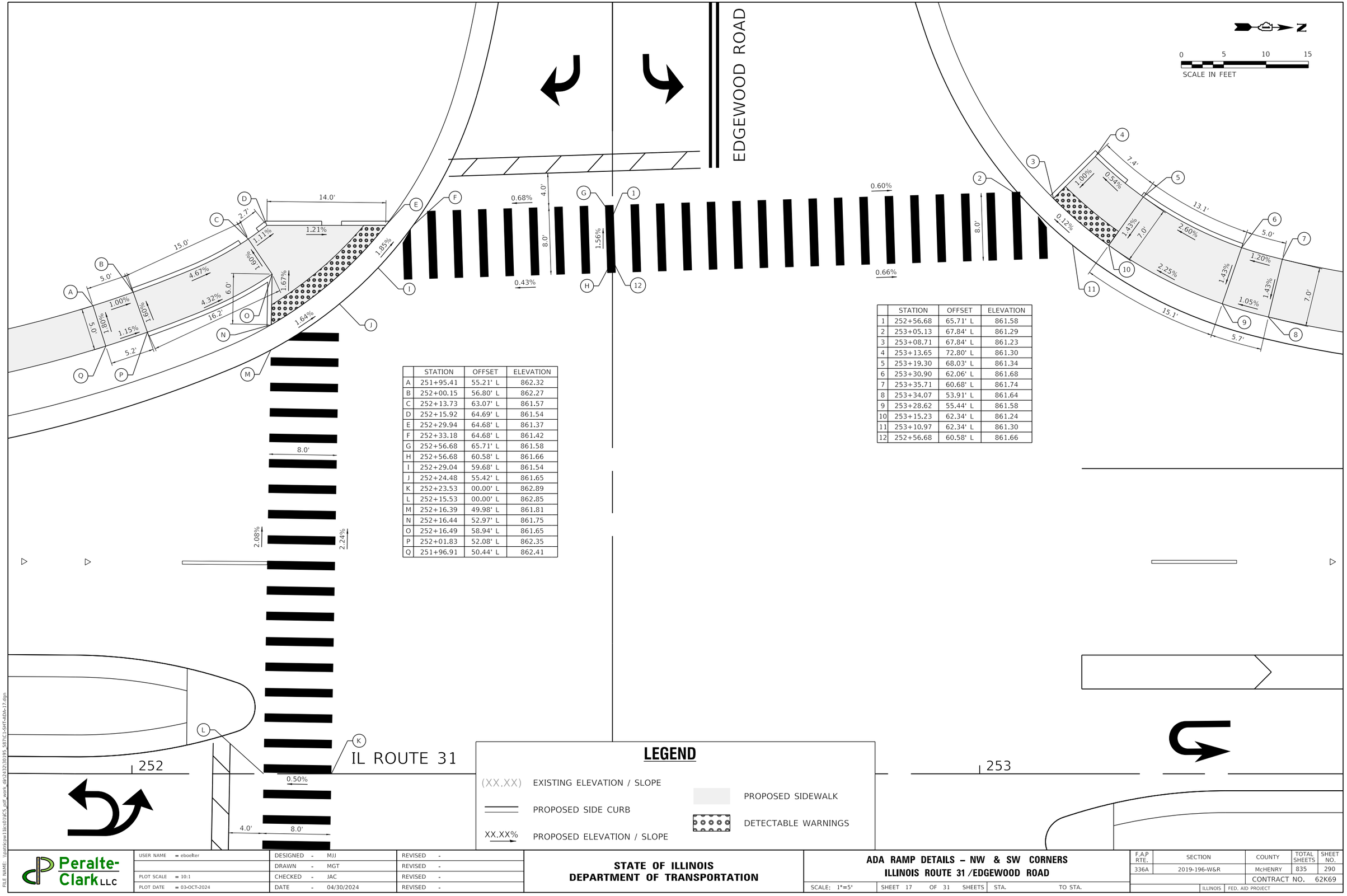
ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /AMES ROAD

SCALE: 1"=5' | SHEET 16 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	289

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	251+95.41	55.21' L	862.32
B	252+00.15	56.80' L	862.27
C	252+13.73	63.07' L	861.57
D	252+15.92	64.69' L	861.54
E	252+29.94	64.68' L	861.37
F	252+33.18	64.68' L	861.42
G	252+56.68	65.71' L	861.58
H	252+56.68	60.58' L	861.66
I	252+29.04	59.68' L	861.54
J	252+24.48	55.42' L	861.65
K	252+23.53	00.00' L	862.89
L	252+15.53	00.00' L	862.85
M	252+16.39	49.98' L	861.81
N	252+16.44	52.97' L	861.75
O	252+16.49	58.94' L	861.65
P	252+01.83	52.08' L	862.35
Q	251+96.91	50.44' L	862.41

	STATION	OFFSET	ELEVATION
1	252+56.68	65.71' L	861.58
2	253+05.13	67.84' L	861.29
3	253+08.71	67.84' L	861.23
4	253+13.65	72.80' L	861.30
5	253+19.30	68.03' L	861.34
6	253+30.90	62.06' L	861.68
7	253+35.71	60.68' L	861.74
8	253+34.07	53.91' L	861.64
9	253+28.62	55.44' L	861.58
10	253+15.23	62.34' L	861.24
11	253+10.97	62.34' L	861.30
12	252+56.68	60.58' L	861.66

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\patricpw11\ics01\ICS_pdf_work_dir\2432\30195_587\C1-SHT-ADA-17.dgn

Peralte-Clark LLC

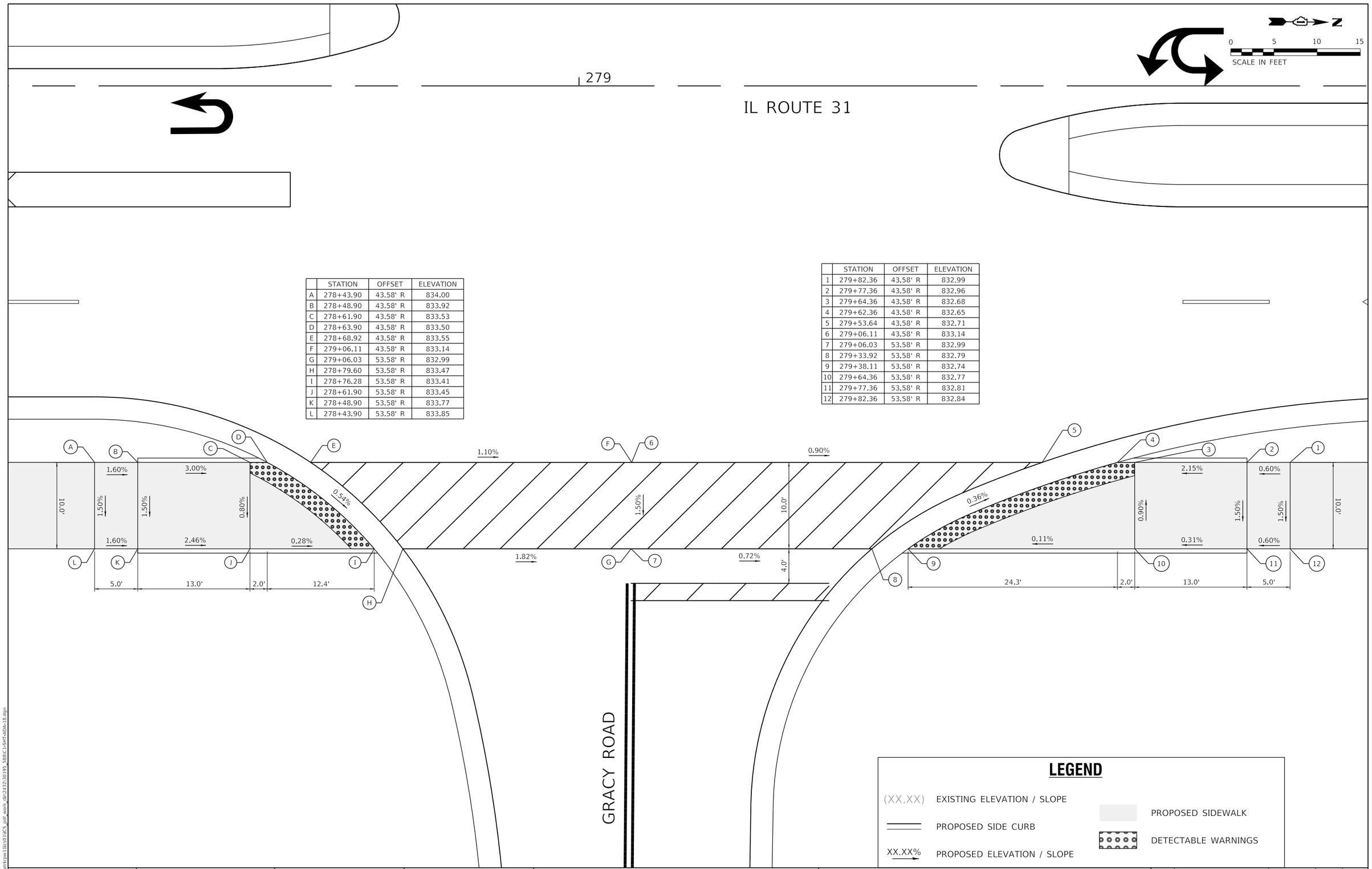
USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /EDGEWOOD ROAD

SCALE: 1"=5' | SHEET 17 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	290
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



	STATION	OFFSET	ELEVATION
A	278+43.90	43.58' R	834.00
B	278+48.90	43.58' R	833.92
C	278+61.90	43.58' R	833.53
D	278+63.90	43.58' R	833.50
E	278+68.92	43.58' R	833.55
F	279+06.11	43.58' R	833.14
G	279+06.03	53.58' R	832.99
H	278+79.60	53.58' R	833.47
I	278+76.28	53.58' R	833.41
J	278+61.90	53.58' R	833.45
K	278+48.90	53.58' R	833.77
L	278+43.90	53.58' R	833.85

	STATION	OFFSET	ELEVATION
1	279+82.36	43.58' R	832.99
2	279+77.36	43.58' R	832.96
3	279+64.36	43.58' R	832.68
4	279+62.36	43.58' R	832.65
5	279+53.64	43.58' R	832.71
6	279+06.11	43.58' R	833.14
7	279+06.03	53.58' R	832.99
8	279+33.92	53.58' R	832.79
9	279+38.11	53.58' R	832.74
10	279+64.36	53.58' R	832.77
11	279+77.36	53.58' R	832.81
12	279+82.36	53.58' R	832.84

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\patricpw11ics01\ICS_pdf_work_dir\2432\30195_588\C1-SHT-ADA-18.dgn

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

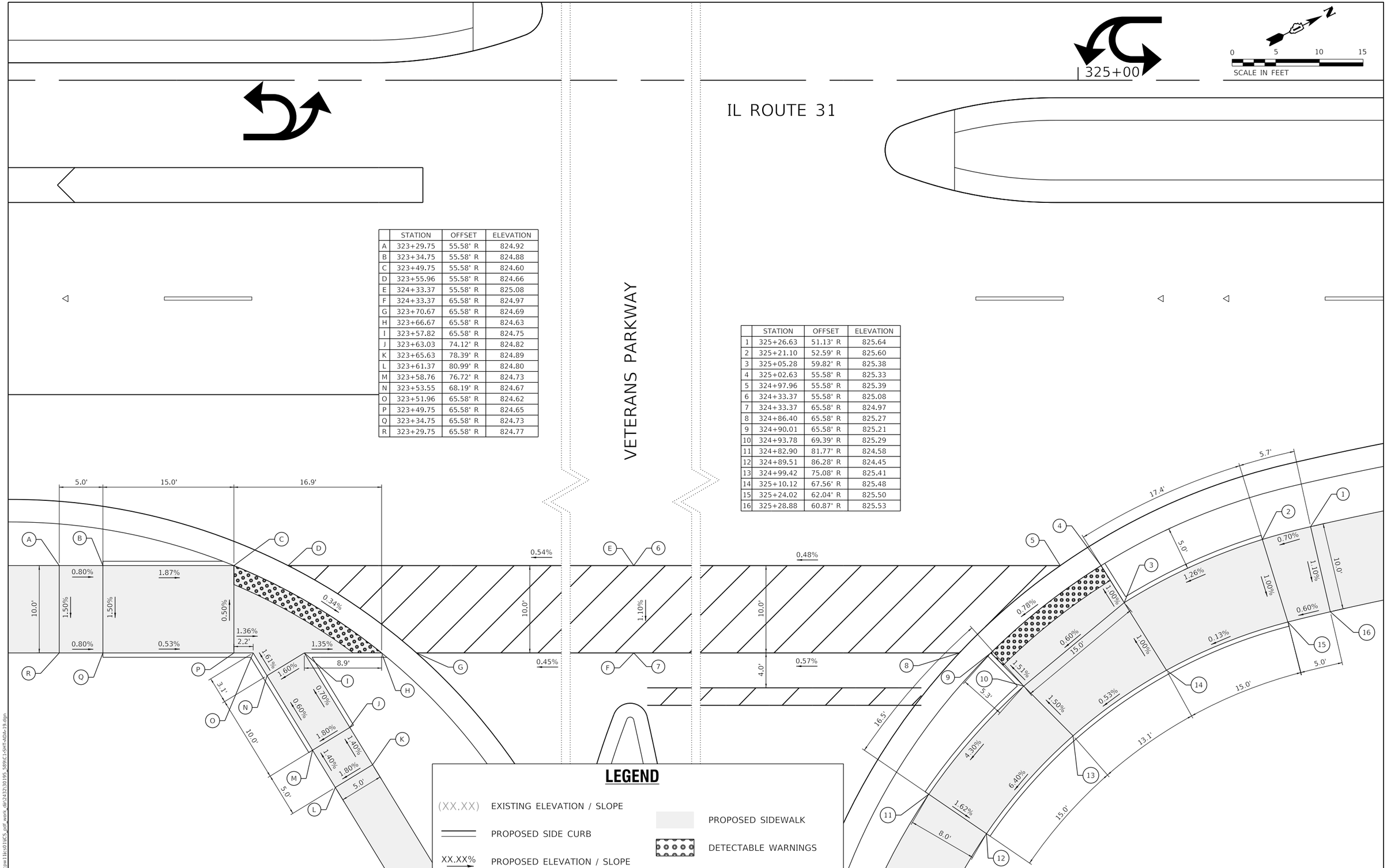
ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /GRACY ROAD

SCALE: 1"=5' | SHEET 18 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	291

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	323+29.75	55.58' R	824.92
B	323+34.75	55.58' R	824.88
C	323+49.75	55.58' R	824.60
D	323+55.96	55.58' R	824.66
E	324+33.37	55.58' R	825.08
F	324+33.37	65.58' R	824.97
G	323+70.67	65.58' R	824.69
H	323+66.67	65.58' R	824.63
I	323+57.82	65.58' R	824.75
J	323+63.03	74.12' R	824.82
K	323+65.63	78.39' R	824.89
L	323+61.37	80.99' R	824.80
M	323+58.76	76.72' R	824.73
N	323+53.55	68.19' R	824.67
O	323+51.96	65.58' R	824.62
P	323+49.75	65.58' R	824.65
Q	323+34.75	65.58' R	824.73
R	323+29.75	65.58' R	824.77

	STATION	OFFSET	ELEVATION
1	325+26.63	51.13' R	825.64
2	325+21.10	52.59' R	825.60
3	325+05.28	59.82' R	825.38
4	325+02.63	55.58' R	825.33
5	324+97.96	55.58' R	825.39
6	324+33.37	55.58' R	825.08
7	324+33.37	65.58' R	824.97
8	324+86.40	65.58' R	825.27
9	324+90.01	65.58' R	825.21
10	324+93.78	69.39' R	825.29
11	324+82.90	81.77' R	824.58
12	324+89.51	86.28' R	824.45
13	324+99.42	75.08' R	825.41
14	325+10.12	67.56' R	825.48
15	325+24.02	62.04' R	825.50
16	325+28.88	60.87' R	825.53

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\patricpw11lcs01\LCS_pdf_work_dir\2432\30195_589\C1-SHT-ADA-19.dgn

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

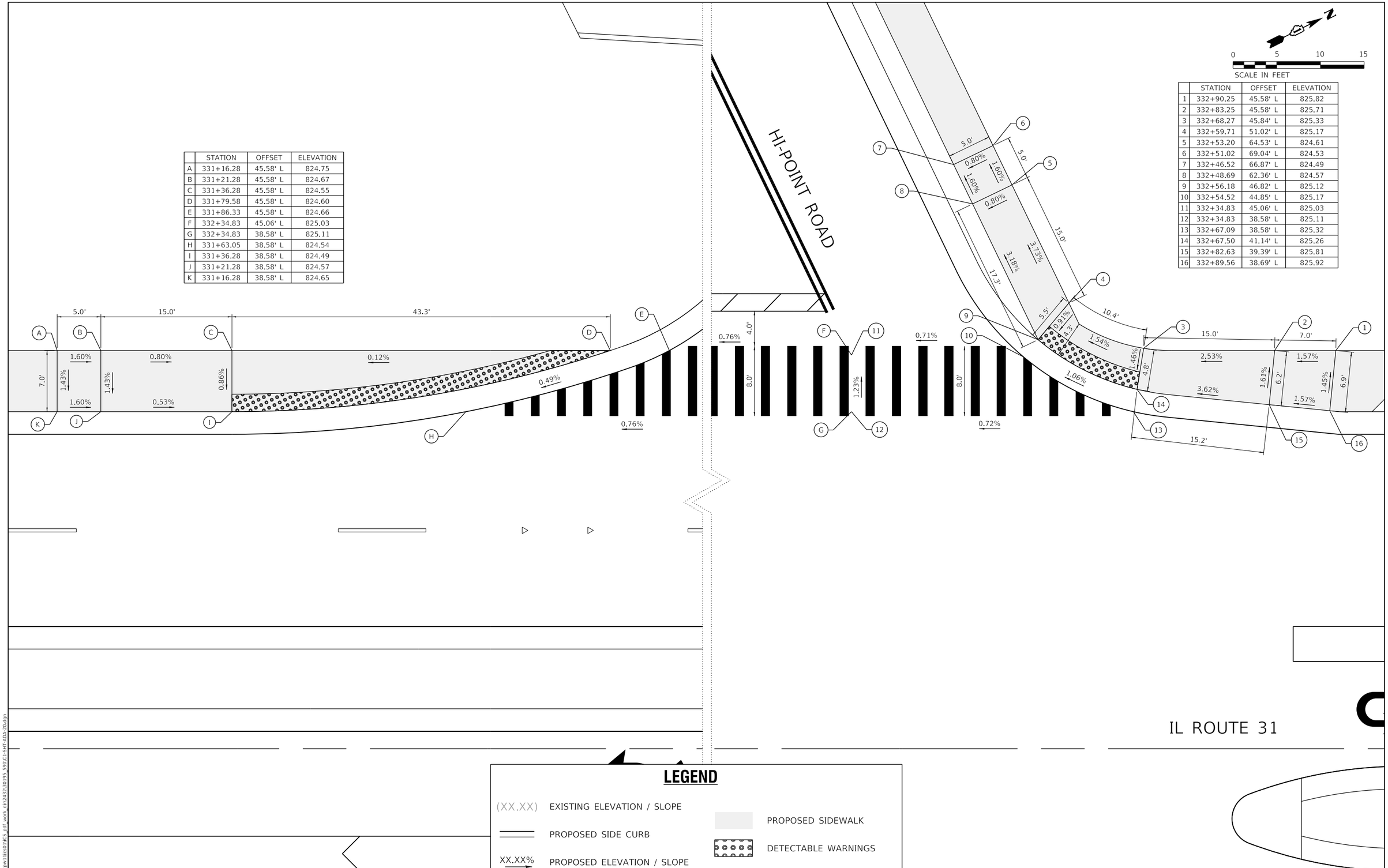
ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /VETERANS PARKWAY

SCALE: 1"=5' | SHEET 19 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	292

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	331+16.28	45.58' L	824.75
B	331+21.28	45.58' L	824.67
C	331+36.28	45.58' L	824.55
D	331+79.58	45.58' L	824.60
E	331+86.33	45.58' L	824.66
F	332+34.83	45.06' L	825.03
G	332+34.83	38.58' L	825.11
H	331+63.05	38.58' L	824.54
I	331+36.28	38.58' L	824.49
J	331+21.28	38.58' L	824.57
K	331+16.28	38.58' L	824.65

	STATION	OFFSET	ELEVATION
1	332+90.25	45.58' L	825.82
2	332+83.25	45.58' L	825.71
3	332+68.27	45.84' L	825.33
4	332+59.71	51.02' L	825.17
5	332+53.20	64.53' L	824.61
6	332+51.02	69.04' L	824.53
7	332+46.52	66.87' L	824.49
8	332+48.69	62.36' L	824.57
9	332+56.18	46.82' L	825.12
10	332+54.52	44.85' L	825.17
11	332+34.83	45.06' L	825.03
12	332+34.83	38.58' L	825.11
13	332+67.09	38.58' L	825.32
14	332+67.50	41.14' L	825.26
15	332+82.63	39.39' L	825.81
16	332+89.56	38.69' L	825.92

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
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Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /HI-POINT ROAD

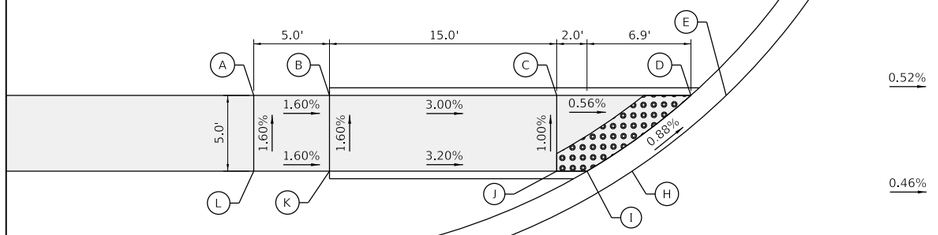
SCALE: 1"=5' | SHEET 20 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	293

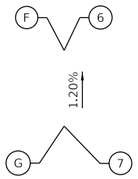
CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

	STATION	OFFSET	ELEVATION
A	336+25.74	48.58' L	827.31
B	336+30.74	48.58' L	827.23
C	336+45.74	48.58' L	826.78
D	336+54.60	48.58' L	826.73
E	336+56.93	48.58' L	826.77
F	336+87.89	48.58' L	826.61
G	336+87.89	43.58' L	826.67
H	336+50.72	43.58' L	826.84
I	336+47.74	43.58' L	826.80
J	336+45.74	43.58' L	826.83
K	336+30.74	43.58' L	827.31
L	336+25.74	43.58' L	827.39



DRIVEWAY



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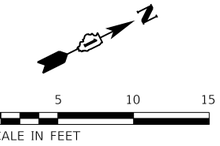
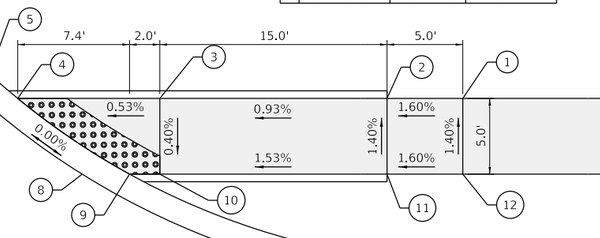


	STATION	OFFSET	ELEVATION
1	337+54.54	48.58' L	826.67
2	337+49.54	48.58' L	826.59
3	337+34.54	48.58' L	826.45
4	337+25.16	48.58' L	826.40
5	337+22.72	48.58' L	826.44
6	336+87.89	48.58' L	826.61
7	336+87.89	43.58' L	826.67
8	337+29.41	43.58' L	826.44
9	337+32.54	43.58' L	826.40
10	337+34.54	43.58' L	826.43
11	337+49.54	43.58' L	826.66
12	337+54.54	43.58' L	826.74



337

IL ROUTE 31

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
FILE NAME: \\oaklepw1\ilc-01\ICS_pdf_work_dir\2432\301195_638\C1-SHT-ADA-21.dgn

Peralte-Clark LLC

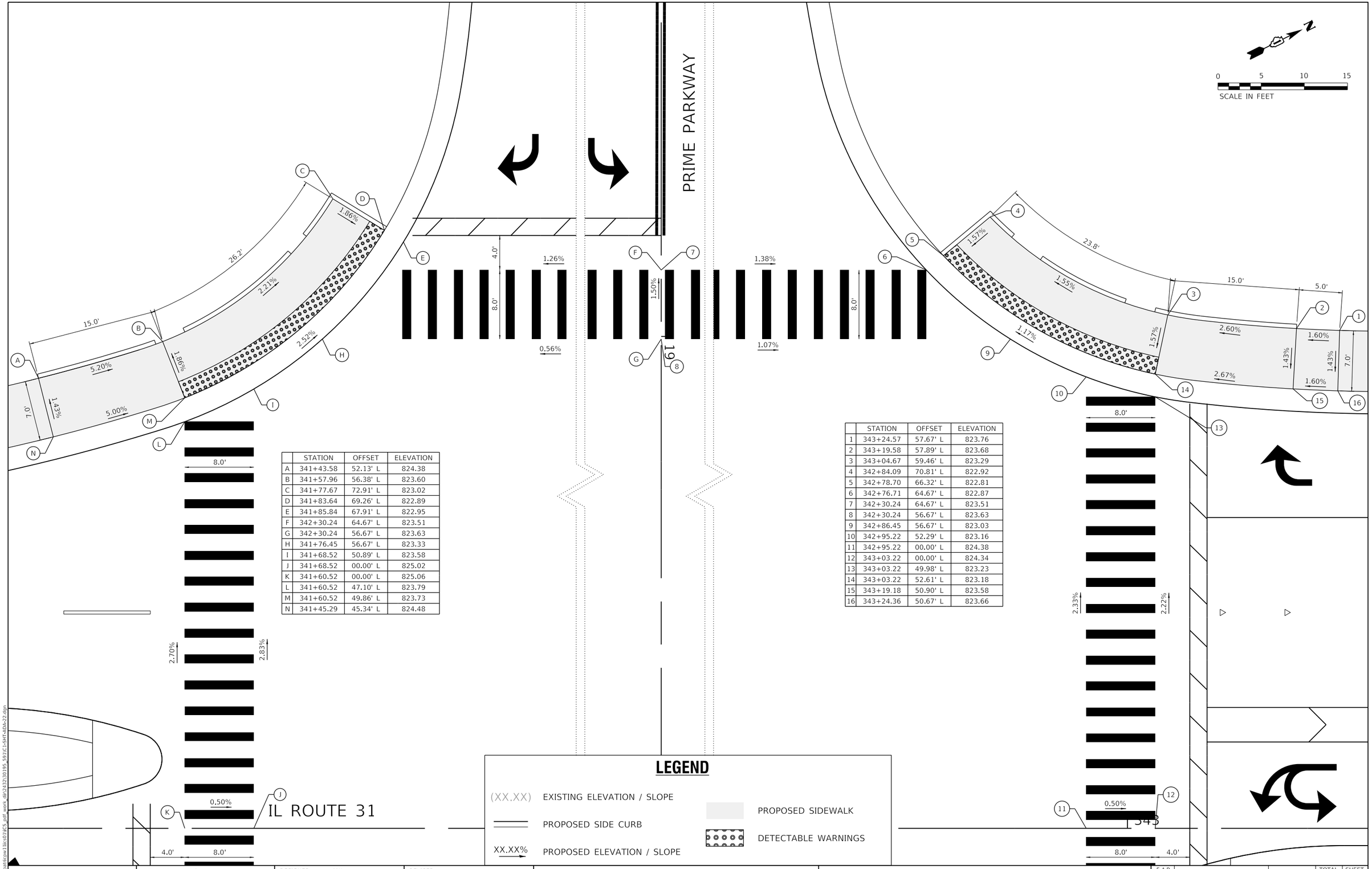
USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /DRIVEWAY STA. 336+90.00

SCALE: 1"=5' | SHEET 21 OF 31 SHEETS | STA. 336+90.00 TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	294
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
A	341+43.58	52.13' L	824.38
B	341+57.96	56.38' L	823.60
C	341+77.67	72.91' L	823.02
D	341+83.64	69.26' L	822.89
E	341+85.84	67.91' L	822.95
F	342+30.24	64.67' L	823.51
G	342+30.24	56.67' L	823.63
H	341+76.45	56.67' L	823.33
I	341+68.52	50.89' L	823.58
J	341+68.52	00.00' L	825.02
K	341+60.52	00.00' L	825.06
L	341+60.52	47.10' L	823.79
M	341+60.52	49.86' L	823.73
N	341+45.29	45.34' L	824.48

	STATION	OFFSET	ELEVATION
1	343+24.57	57.67' L	823.76
2	343+19.58	57.89' L	823.68
3	343+04.67	59.46' L	823.29
4	342+84.09	70.81' L	822.92
5	342+78.70	66.32' L	822.81
6	342+76.71	64.67' L	822.87
7	342+30.24	64.67' L	823.51
8	342+30.24	56.67' L	823.63
9	342+86.45	56.67' L	823.03
10	342+95.22	52.29' L	823.16
11	342+95.22	00.00' L	824.38
12	343+03.22	00.00' L	824.34
13	343+03.22	49.98' L	823.23
14	343+03.22	52.61' L	823.18
15	343+19.18	50.90' L	823.58
16	343+24.36	50.67' L	823.66

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

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Peralte-Clark LLC

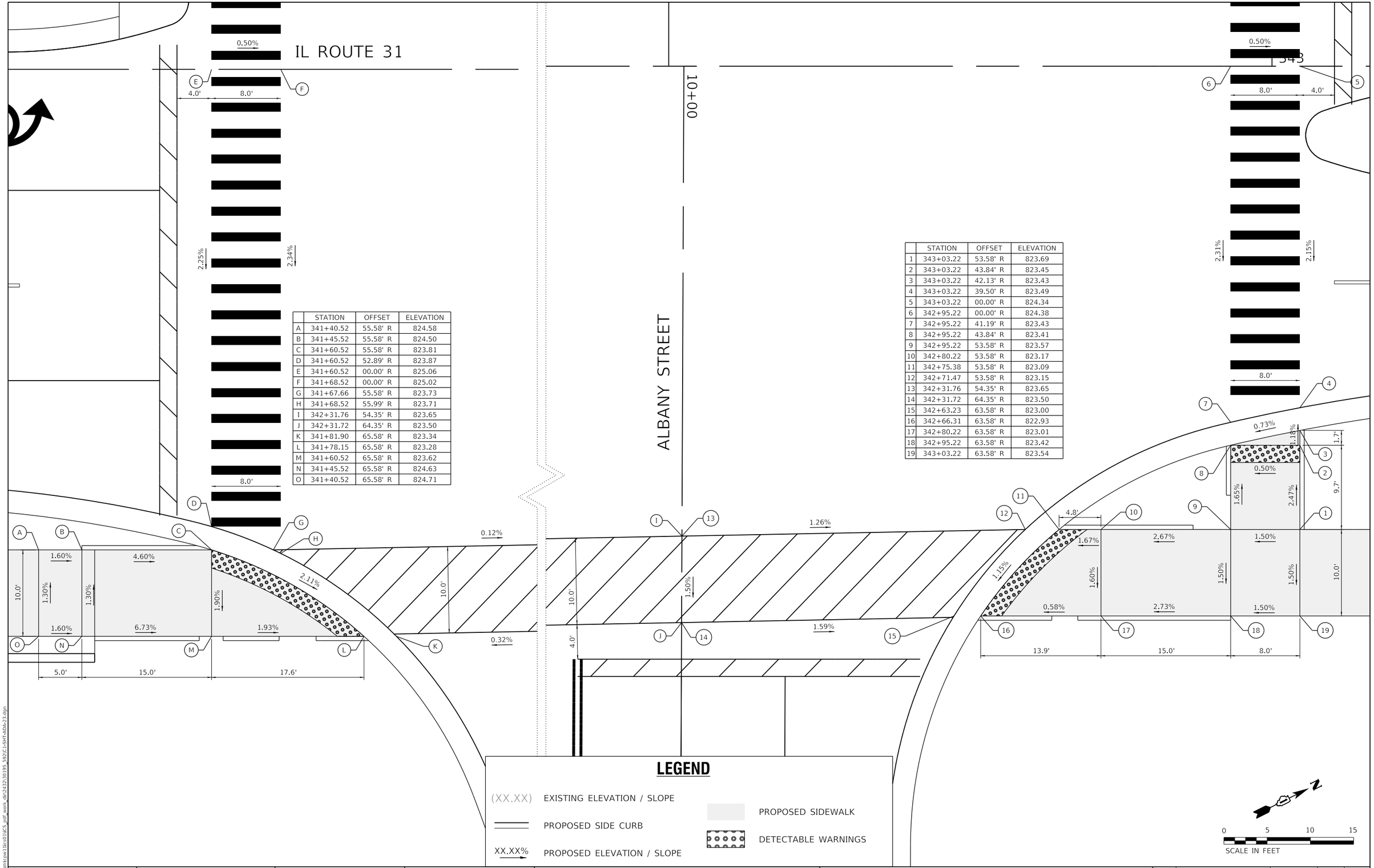
USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /PRIME PARKWAY

SCALE: 1"=5' | SHEET 22 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	295
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



	STATION	OFFSET	ELEVATION
A	341+40.52	55.58' R	824.58
B	341+45.52	55.58' R	824.50
C	341+60.52	55.58' R	823.81
D	341+60.52	52.89' R	823.87
E	341+60.52	00.00' R	825.06
F	341+68.52	00.00' R	825.02
G	341+67.66	55.58' R	823.73
H	341+68.52	55.99' R	823.71
I	342+31.76	54.35' R	823.65
J	342+31.72	64.35' R	823.50
K	341+81.90	65.58' R	823.34
L	341+78.15	65.58' R	823.28
M	341+60.52	65.58' R	823.62
N	341+45.52	65.58' R	824.63
O	341+40.52	65.58' R	824.71

	STATION	OFFSET	ELEVATION
1	343+03.22	53.58' R	823.69
2	343+03.22	43.84' R	823.45
3	343+03.22	42.13' R	823.43
4	343+03.22	39.50' R	823.49
5	343+03.22	00.00' R	824.34
6	342+95.22	00.00' R	824.38
7	342+95.22	41.19' R	823.43
8	342+95.22	43.84' R	823.41
9	342+95.22	53.58' R	823.57
10	342+80.22	53.58' R	823.17
11	342+75.38	53.58' R	823.09
12	342+71.47	53.58' R	823.15
13	342+31.76	54.35' R	823.65
14	342+31.72	64.35' R	823.50
15	342+63.23	63.58' R	823.00
16	342+66.31	63.58' R	822.93
17	342+80.22	63.58' R	823.01
18	342+95.22	63.58' R	823.42
19	343+03.22	63.58' R	823.54

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /ALBANY STREET

SCALE: 1"=5' | SHEET 23 OF 31 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	296
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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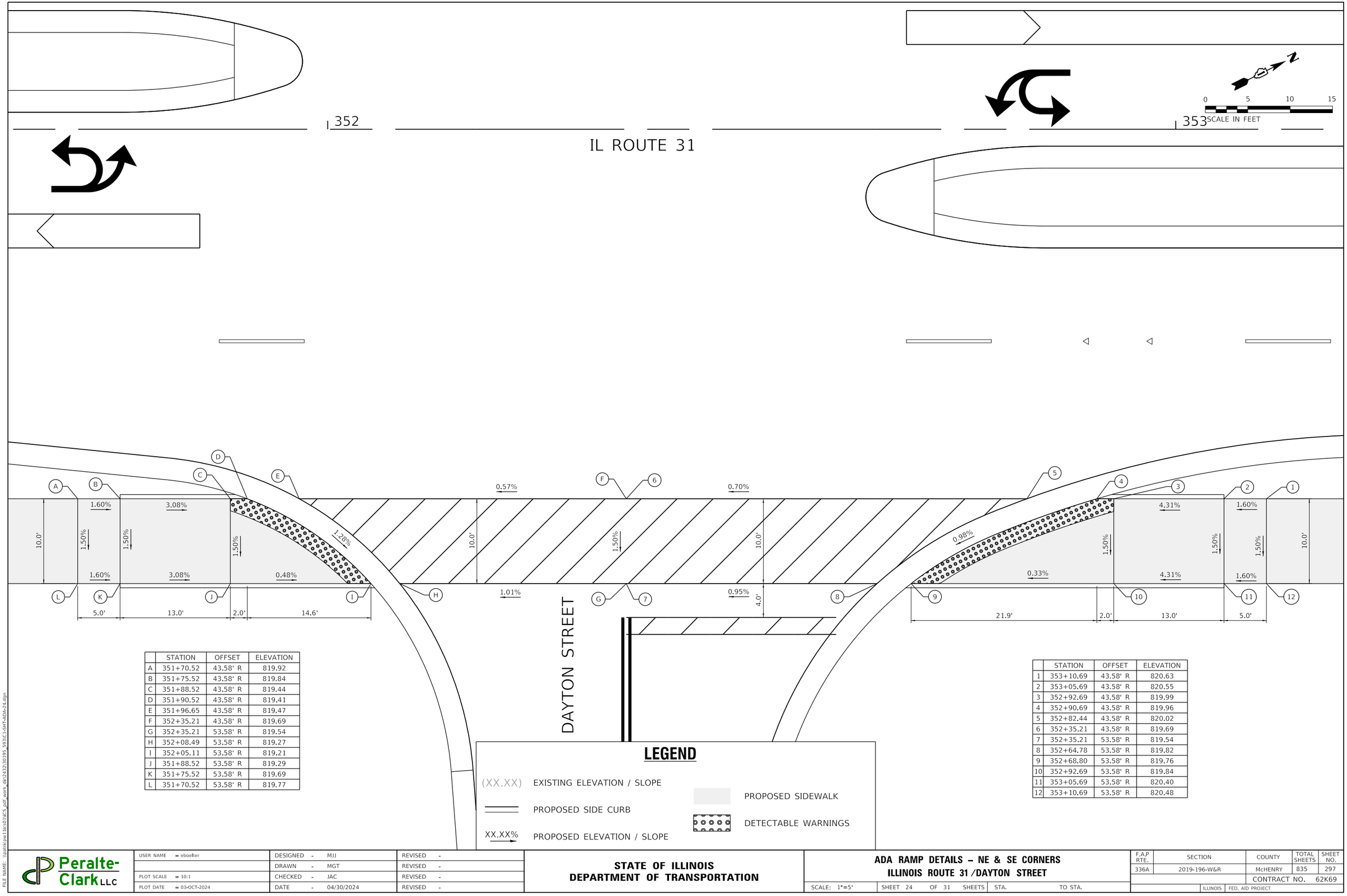

	STATION	OFFSET	ELEVATION
A	351+70.52	43.58' R	819.92
B	351+75.52	43.58' R	819.84
C	351+88.52	43.58' R	819.44
D	351+90.52	43.58' R	819.41
E	351+96.65	43.58' R	819.47
F	352+35.21	43.58' R	819.69
G	352+35.21	53.58' R	819.54
H	352+08.49	53.58' R	819.27
I	352+05.11	53.58' R	819.21
J	351+88.52	53.58' R	819.29
K	351+75.52	53.58' R	819.69
L	351+70.52	53.58' R	819.77

	STATION	OFFSET	ELEVATION
1	353+10.69	43.58' R	820.63
2	353+05.69	43.58' R	820.55
3	352+92.69	43.58' R	819.99
4	352+90.69	43.58' R	819.96
5	352+82.44	43.58' R	820.02
6	352+35.21	43.58' R	819.69
7	352+35.21	53.58' R	819.54
8	352+64.78	53.58' R	819.82
9	352+68.80	53.58' R	819.76
10	352+92.69	53.58' R	819.84
11	353+05.69	53.58' R	820.40
12	353+10.69	53.58' R	820.48

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
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Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

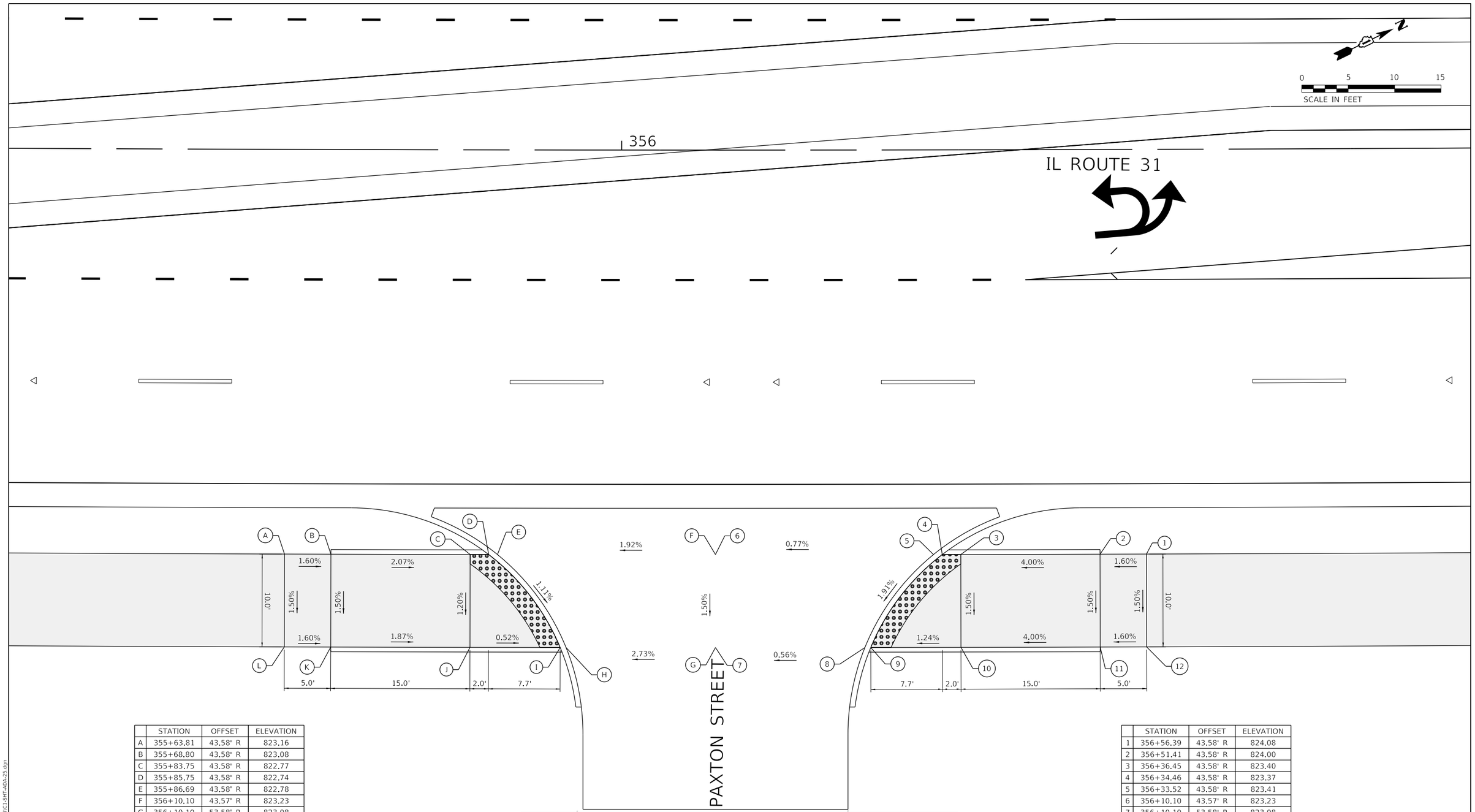
ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /DAYTON STREET

SCALE: 1"=5' | SHEET 24 OF 31 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	297

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	355+63.81	43.58' R	823.16
B	355+68.80	43.58' R	823.08
C	355+83.75	43.58' R	822.77
D	355+85.75	43.58' R	822.74
E	355+86.69	43.58' R	822.78
F	356+10.10	43.57' R	823.23
G	356+10.10	53.58' R	823.08
H	355+94.06	53.59' R	822.64
I	355+93.44	53.59' R	822.60
J	355+83.75	53.58' R	822.65
K	355+68.81	53.58' R	822.93
L	355+63.82	53.58' R	823.01

	STATION	OFFSET	ELEVATION
1	356+56.39	43.58' R	824.08
2	356+51.41	43.58' R	824.00
3	356+36.45	43.58' R	823.40
4	356+34.46	43.58' R	823.37
5	356+33.52	43.58' R	823.41
6	356+10.10	43.57' R	823.23
7	356+10.10	53.58' R	823.08
8	356+26.14	53.59' R	823.17
9	356+26.77	53.59' R	823.13
10	356+36.45	53.58' R	823.25
11	356+51.40	53.58' R	823.85
12	356+56.38	53.58' R	823.93

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

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Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /PAXTON STREET

SCALE: 1"=5' | SHEET 25 OF 31 SHEETS | STA. TO STA.

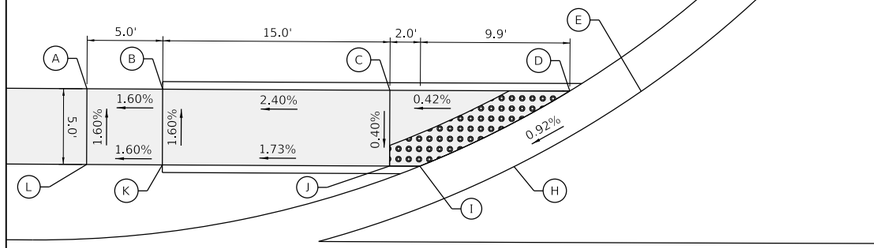
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	298

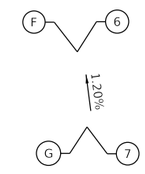
CONTRACT NO. 62K69

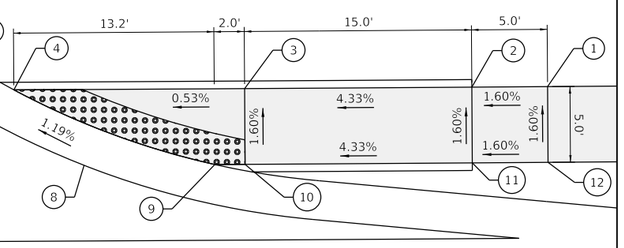
ILLINOIS FED. AID PROJECT

	STATION	OFFSET	ELEVATION
A	358+00.35	48.58' L	825.42
B	358+05.37	48.58' L	825.50
C	358+20.42	48.58' L	825.86
D	358+32.33	48.58' L	825.91
E	358+37.06	48.58' L	825.95
F	358+95.80	48.70' L	826.00
G	358+96.44	43.74' L	826.06
H	358+28.66	43.58' L	825.86
I	358+22.43	43.58' L	825.82
J	358+20.42	43.58' L	825.84
K	358+05.37	43.58' L	825.58
L	358+00.36	43.58' L	825.50

	STATION	OFFSET	ELEVATION
1	359+94.94	48.58' L	827.36
2	359+89.92	48.58' L	827.28
3	359+74.87	48.58' L	826.63
4	359+59.59	48.58' L	826.55
5	359+54.53	48.58' L	826.59
6	358+95.80	48.70' L	826.00
7	358+96.44	43.74' L	826.06
8	359+64.21	43.58' L	826.72
9	359+72.87	43.58' L	826.68
10	359+74.87	43.58' L	826.71
11	359+89.92	43.58' L	827.36
12	359+94.93	43.58' L	827.44







LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

0 5 10 15

SCALE IN FEET

Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS – NW & SW CORNERS ILLINOIS ROUTE 31 /DRIVEWAY AT GARY LANG	
	DRAWN - MGT	REVISED -			
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -			
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=5' SHEET 26 OF 31 SHEETS STA. TO STA.	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	299
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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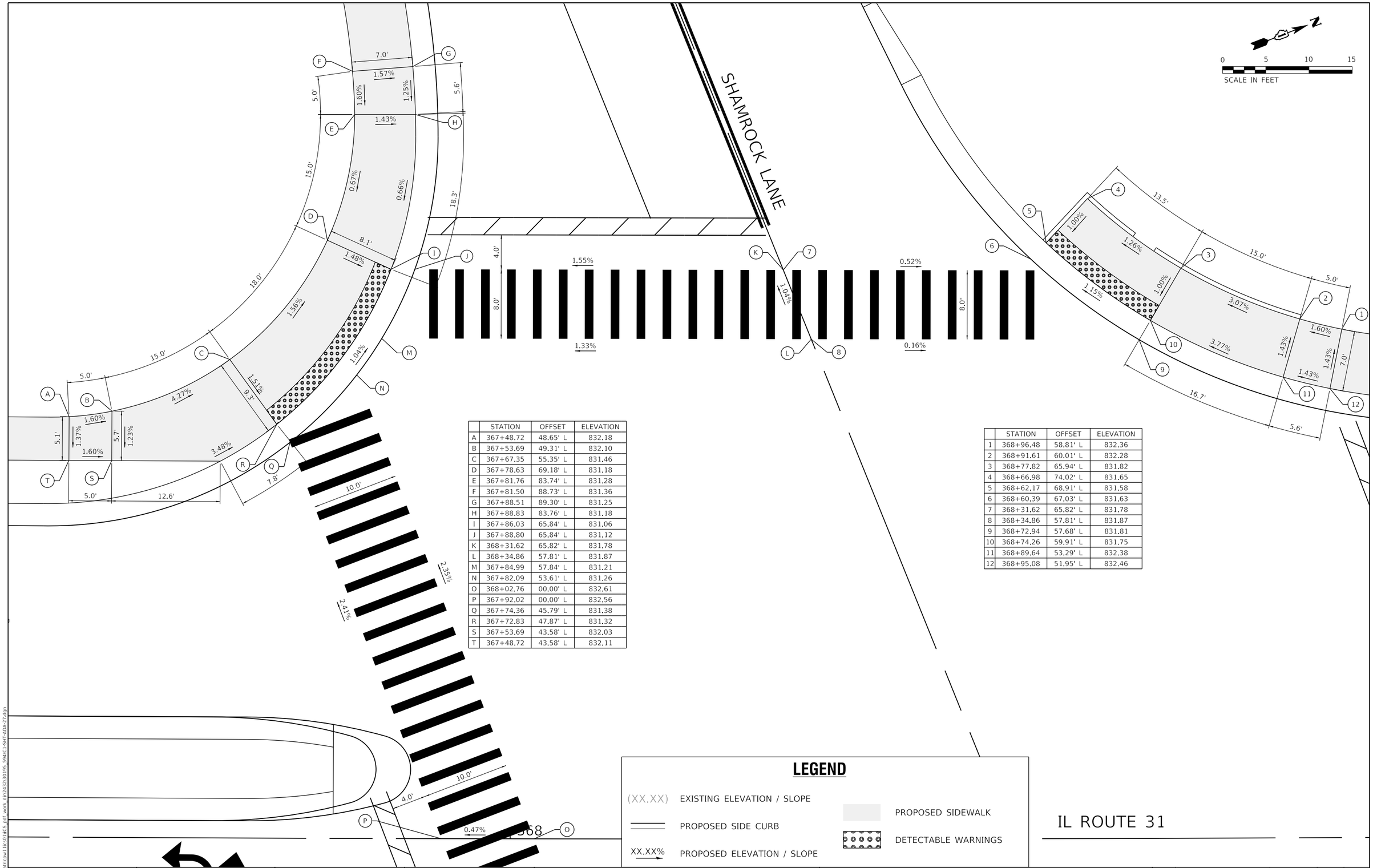

	STATION	OFFSET	ELEVATION
A	367+48.72	48.65' L	832.18
B	367+53.69	49.31' L	832.10
C	367+67.35	55.35' L	831.46
D	367+78.63	69.18' L	831.18
E	367+81.76	83.74' L	831.28
F	367+81.50	88.73' L	831.36
G	367+88.51	89.30' L	831.25
H	367+88.83	83.76' L	831.18
I	367+86.03	65.84' L	831.06
J	367+88.80	65.84' L	831.12
K	368+31.62	65.82' L	831.78
L	368+34.86	57.81' L	831.87
M	367+84.99	57.84' L	831.21
N	367+82.09	53.61' L	831.26
O	368+02.76	00.00' L	832.61
P	367+92.02	00.00' L	832.56
Q	367+74.36	45.79' L	831.38
R	367+72.83	47.87' L	831.32
S	367+53.69	43.58' L	832.03
T	367+48.72	43.58' L	832.11

	STATION	OFFSET	ELEVATION
1	368+96.48	58.81' L	832.36
2	368+91.61	60.01' L	832.28
3	368+77.82	65.94' L	831.82
4	368+66.98	74.02' L	831.65
5	368+62.17	68.91' L	831.58
6	368+60.39	67.03' L	831.63
7	368+31.62	65.82' L	831.78
8	368+34.86	57.81' L	831.87
9	368+72.94	57.68' L	831.81
10	368+74.26	59.91' L	831.75
11	368+89.64	53.29' L	832.38
12	368+95.08	51.95' L	832.46

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

IL ROUTE 31

MODEL: Default
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Peralte-Clark LLC

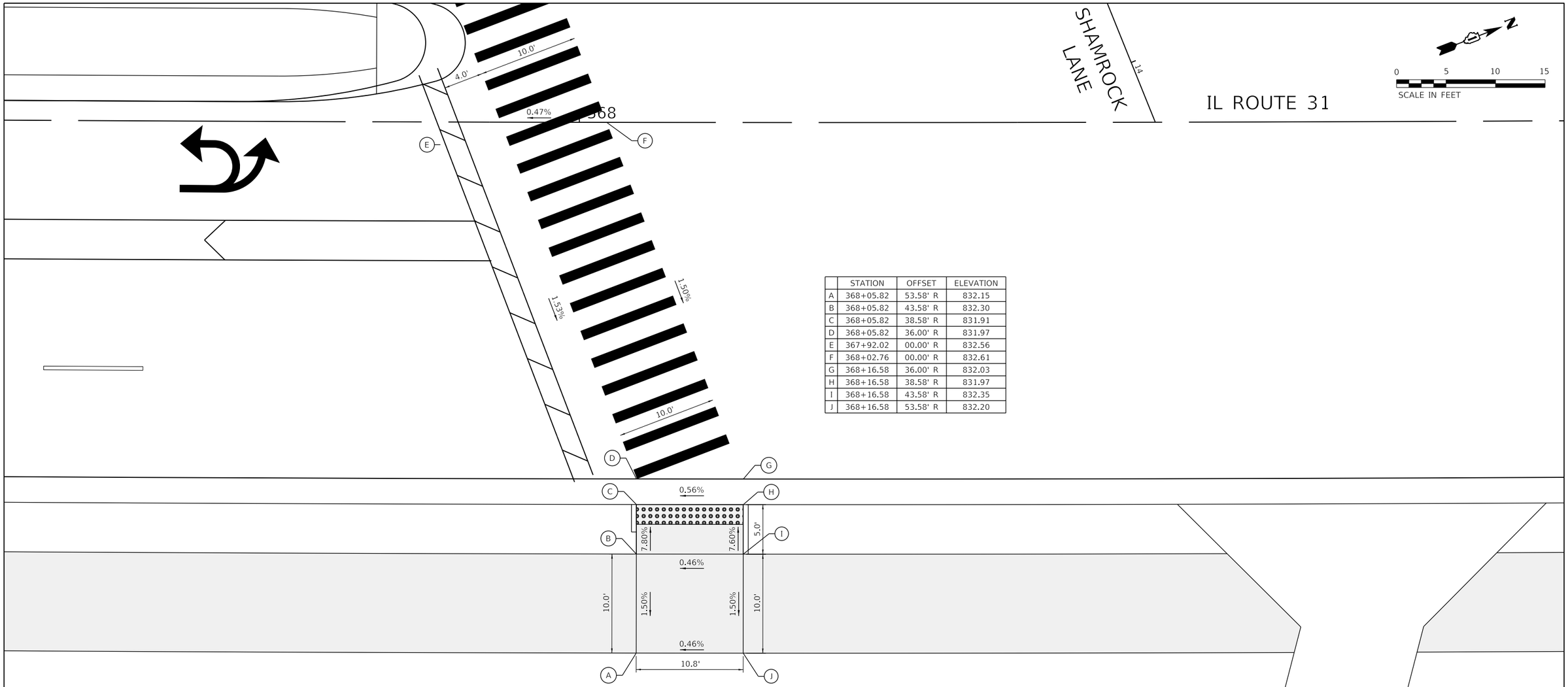
USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /SHAMROCK LANE

SCALE: 1"=5' | SHEET 27 OF 31 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	300
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
A	368+05.82	53.58' R	832.15
B	368+05.82	43.58' R	832.30
C	368+05.82	38.58' R	831.91
D	368+05.82	36.00' R	831.97
E	367+92.02	00.00' R	832.56
F	368+02.76	00.00' R	832.61
G	368+16.58	36.00' R	832.03
H	368+16.58	38.58' R	831.97
I	368+16.58	43.58' R	832.35
J	368+16.58	53.58' R	832.20

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
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Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -
	DRAWN - MGT	REVISED -
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – SE CORNER
ILLINOIS ROUTE 31 /SHAMROCK LANE

SCALE: 1"=5' | SHEET 28 OF 31 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	301
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

375+00

376

IL ROUTE 31

	STATION	OFFSET	ELEVATION
A	374+98.84	43.58' R	836.39
B	375+03.83	43.58' R	836.42
C	375+16.79	43.58' R	836.20
D	375+18.78	43.58' R	836.17
E	375+23.75	43.58' R	836.23
F	375+41.84	43.54' R	836.54
G	375+45.18	51.54' R	836.55
H	375+31.42	51.59' R	836.27
I	375+28.28	51.59' R	836.21
J	375+26.57	51.59' R	836.22
K	375+30.83	64.18' R	835.97
L	375+32.43	68.91' R	835.89
M	375+27.72	70.52' R	835.82
N	375+26.11	65.78' R	835.90
O	375+21.30	51.58' R	836.25
P	375+16.79	51.58' R	836.28
Q	375+03.83	51.58' R	836.35
R	374+98.85	51.58' R	836.27

	STATION	OFFSET	ELEVATION
1	376+44.43	43.58' R	838.01
2	376+39.45	43.58' R	837.93
3	376+24.49	43.58' R	837.38
4	376+19.39	43.58' R	837.30
5	376+11.57	46.03' R	837.18
6	376+10.71	43.59' R	837.24
7	375+41.84	43.54' R	836.54
8	375+45.18	51.54' R	836.55
9	375+91.25	53.49' R	836.95
10	375+92.92	55.46' R	836.89
11	375+95.24	58.19' R	836.94
12	375+84.67	74.52' R	836.60
13	375+89.87	74.93' R	836.52
14	376+00.35	64.25' R	837.05
15	376+14.66	54.86' R	837.32
16	376+24.49	51.58' R	837.42
17	376+39.44	51.58' R	837.81
18	376+44.42	51.58' R	837.89

0 5 10 15
SCALE IN FEET

MERCY DRIVE

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

MODEL: Default
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Peralte-Clark LLC

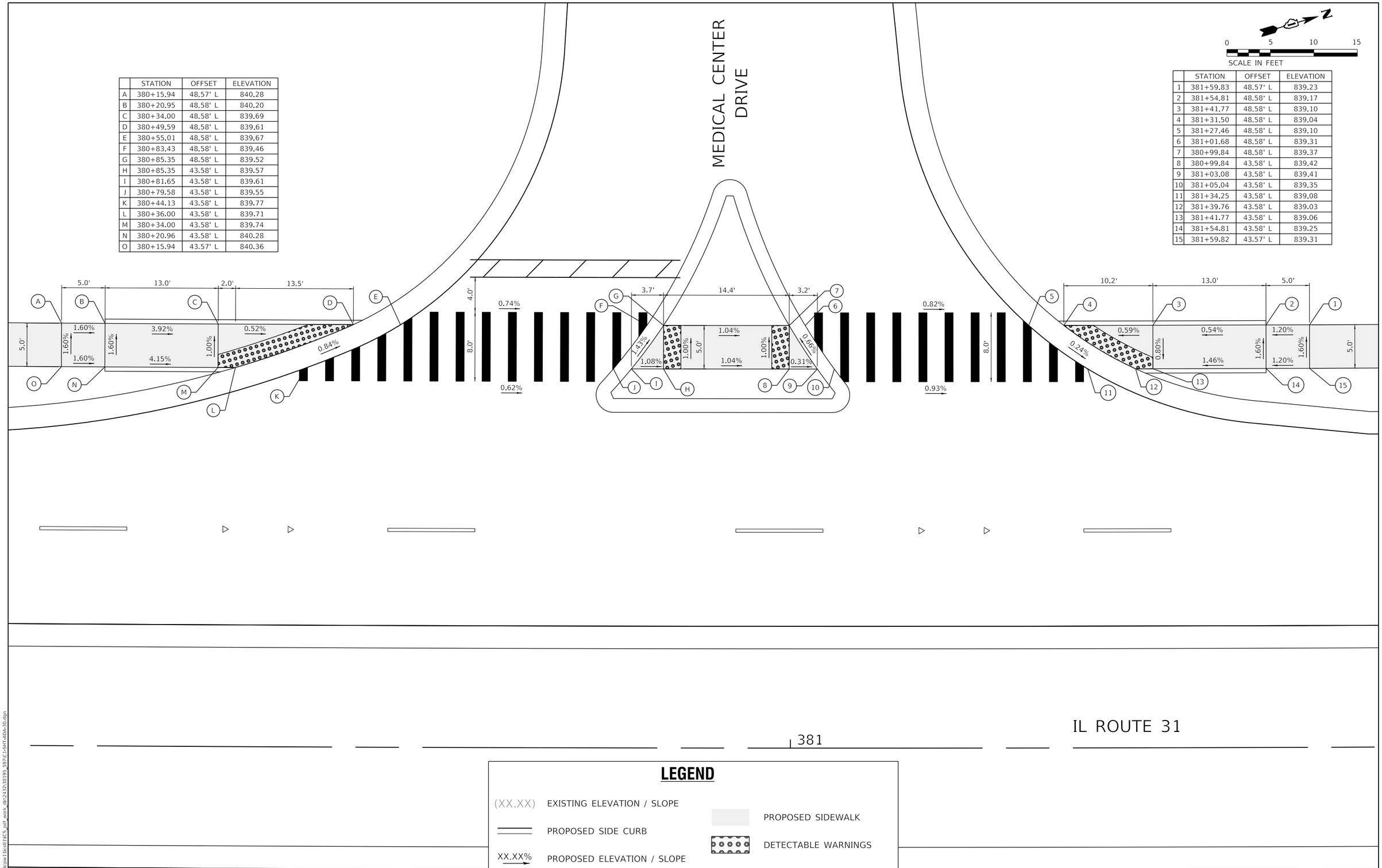
USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – NE & SE CORNERS
ILLINOIS ROUTE 31 /MERCY DRIVE

SCALE: 1"=5' | SHEET 29 OF 31 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	302
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



	STATION	OFFSET	ELEVATION
A	380+15.94	48.57' L	840.28
B	380+20.95	48.58' L	840.20
C	380+34.00	48.58' L	839.69
D	380+49.59	48.58' L	839.61
E	380+55.01	48.58' L	839.67
F	380+83.43	48.58' L	839.46
G	380+85.35	48.58' L	839.52
H	380+85.35	43.58' L	839.57
I	380+81.65	43.58' L	839.61
J	380+79.58	43.58' L	839.55
K	380+44.13	43.58' L	839.77
L	380+36.00	43.58' L	839.71
M	380+34.00	43.58' L	839.74
N	380+20.96	43.58' L	840.28
O	380+15.94	43.57' L	840.36

	STATION	OFFSET	ELEVATION
1	381+59.83	48.57' L	839.23
2	381+54.81	48.58' L	839.17
3	381+41.77	48.58' L	839.10
4	381+31.50	48.58' L	839.04
5	381+27.46	48.58' L	839.10
6	381+01.68	48.58' L	839.31
7	380+99.84	48.58' L	839.37
8	380+99.84	43.58' L	839.42
9	381+03.08	43.58' L	839.41
10	381+05.04	43.58' L	839.35
11	381+34.25	43.58' L	839.08
12	381+39.76	43.58' L	839.03
13	381+41.77	43.58' L	839.06
14	381+54.81	43.58' L	839.25
15	381+59.82	43.57' L	839.31

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

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Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
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PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

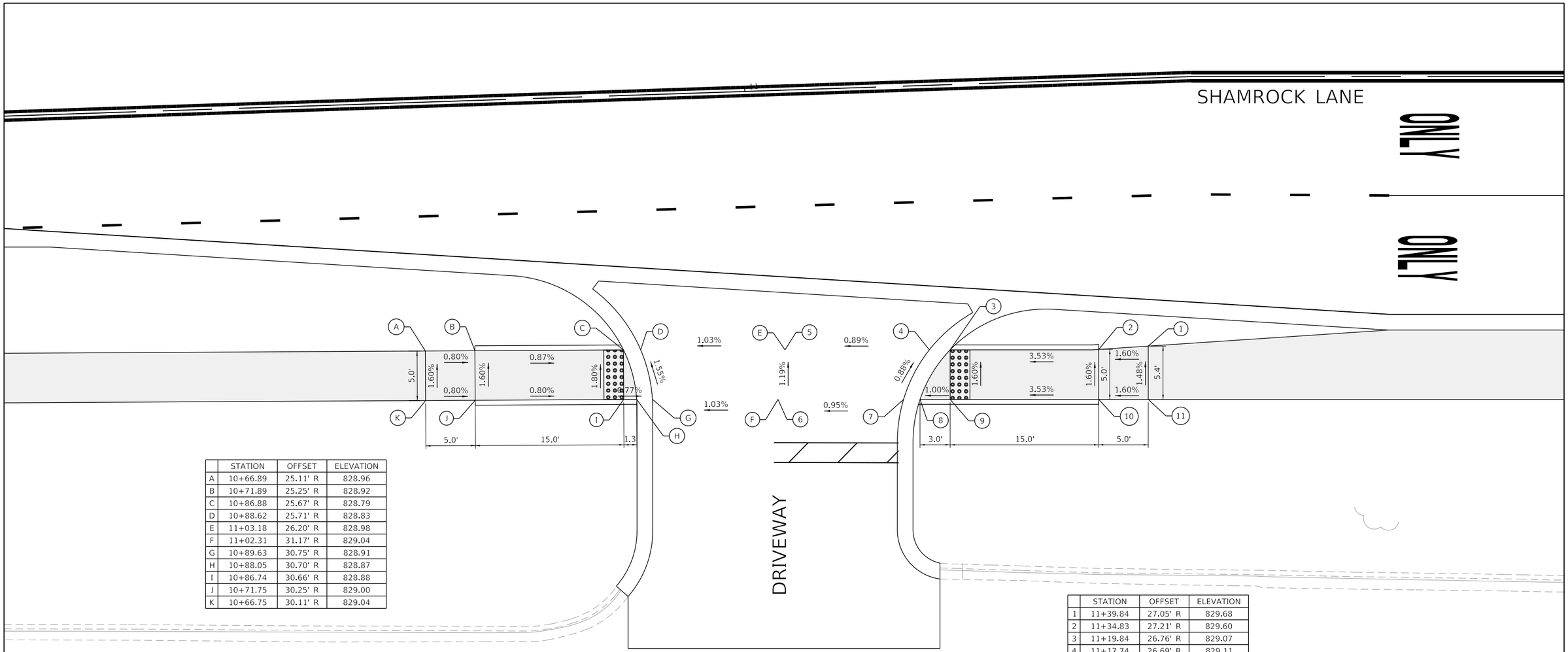
ADA RAMP DETAILS – NW & SW CORNERS
ILLINOIS ROUTE 31 /MEDICAL CENTER DRIVE

SCALE: 1"=5' | SHEET 30 OF 31 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	303

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	10+66.89	25.11' R	828.96
B	10+71.89	25.25' R	828.92
C	10+86.88	25.67' R	828.79
D	10+88.62	25.71' R	828.83
E	11+03.18	26.20' R	828.98
F	11+02.31	31.17' R	829.04
G	10+89.63	30.75' R	828.91
H	10+88.05	30.70' R	828.87
I	10+86.74	30.66' R	828.88
J	10+71.75	30.25' R	829.00
K	10+66.75	30.11' R	829.04

	STATION	OFFSET	ELEVATION
1	11+39.84	27.05' R	829.68
2	11+34.83	27.21' R	829.60
3	11+19.84	26.76' R	829.07
4	11+17.74	26.69' R	829.11
5	11+03.18	26.20' R	828.98
6	11+02.31	31.17' R	829.04
7	11+14.98	31.60' R	829.16
8	11+16.64	31.65' R	829.12
9	11+19.67	31.75' R	829.15
10	11+34.66	32.25' R	829.68
11	11+39.66	32.42' R	829.76

LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

PROPOSED SIDE CURB

XX.XX% PROPOSED ELEVATION / SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

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Peralte-Clark LLC

USER NAME = eboelter	DESIGNED - MJJ	REVISED -	
	DRAWN - MGT	REVISED -	
PLOT SCALE = 10:1	CHECKED - JAC	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS – SE & SW CORNERS
SHAMROCK LANE /DRIVEWAY STA. 11+00.00

SCALE: 1"=5' | SHEET 31 OF 31 SHEETS | STA. 11+00.00 TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	304

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

EROSION CONTROL GENERAL NOTES

1. THE CONSTRUCTION LIMITS WILL BE STAKED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE BID FOR THE WORK.

2. EROSION CONTROL ITEMS ARE CONSIDERED HIGH PRIORITY ITEMS IN THIS CONTRACT. THE CONTRACTOR WILL IMPLEMENT ALL PROVISIONS OF SPECIFICATION NECESSARY TO ENSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL ERODIBLE CONDITIONS. PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION LIMITS.

3. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR THE MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.

4. TEMPORARY EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 280 OF THE STANDARD OF SPECIFICATIONS. CONTRACT SPECIAL PROVISIONS AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

5. ALL EROSION CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT:
   https://idot.illinois.gov/transportation-system/environment/storm-water-management-program/erosion-and-sediment-control.html

6. THE CONTRACTOR SHALL UTILIZE THE GENERAL MAINTENANCE GUIDELINES AS OUTLINED IN THE SWPPP TO ENSURE GOOD AND EFFECTIVE OPERATING CONDITION OF THE VEGETATION AND EROSION AND SEDIMENT CONTROL MEASURES.

7. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE.

8. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN HIGHWAY STANDARD 280001.

9. THE EROSION CONTROL MEASURES SHOWN ARE A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.

10. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

11. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24-HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOWMELT.

12. ANY AREA THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.

13. TEMPORARY STOCKPILE LOCATIONS SHALL BE APPROVED BY THE ENGINEER AND WILL REQUIRE SILT FENCE AND TEMPORARY SEEDING AND ALL OTHER MEASURES REQUIRED TO THE SATISFACTION OF THE ENGINEER. THE SILT FENCE AND TEMPORARY SEEDING SHALL BE PAID AS 28000400 - PERIMETER EROSION BARRIER AND 28000250 - TEMPORARY EROSION CONTROL SEEDING, RESPECTIVELY.

14. THE CONTRACTOR SHALL INSTALL AND MAINTAIN INLET FILTERS AT ALL EXISTING INLETS ADJACENT TO THE EDGE OF PAVEMENT PRIOR TO THE START OF PRE-STAGE WORK. THE INLET FILTERS SHALL BE MAINTAINED AT EACH SUBSEQUENT STAGE UNTIL NO LONGER REQUIRED OR AS DIRECTED BY THE ENGINEER.

15. THE CONTRACTOR SHALL IMMEDIATELY INSTALL AND MAINTAIN INLET FILTERS AT ALL NEW OPEN LID INLETS AND DRAINAGE STRUCTURES. THE INLET FILTERS SHALL BE MAINTAINED AT EACH SUBSEQUENT STAGE UNTIL COMPLETION OF STAGING OR UNTIL NO LONGER REQUIRED.

16. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS, OR DRAINAGE STRUCTURES, OBSTRUCTING THE NATURAL FLOW OF WATER, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. THIS INCLUDES ANY MATERIAL WITHIN THE FLOW LINE OF DRAINAGE STRUCTURES. PRIOR TO THE ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES MUST BE FREE OF DIRT AND DEBRIS. ALTHOUGH THIS WORK WILL NOT BE PAID FOR SEPARATELY, IT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

17. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THEREOF.

18. THE CONTRACTOR SHOULD PROVIDE THE RESIDENT ENGINEER WITH A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE, LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

19. LOCATIONS OF THE STABILIZED CONSTRUCTION ENTRANCE/EXISTS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE INSTALLATION OF THE CONSTRUCTION ENTRANCE/EXITS SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL OR AS DIRECTED BY THE ENGINEER. COST OF THESE ENTRANCES ARE INCLUDED IN THE COST OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

20. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INSTALLED ON ALL AREAS DISTURBED DURING EACH STAGE OF CONSTRUCTION PRIOR TO SWITCHING TRAFFIC TO BEGIN THE SUBSEQUENT STAGE. ALSO, ALL EROSION CONTROL MEASURES PLACED DURING CONSTRUCTION SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL COMPLETION OF THE FINAL STAGE OF CONSTRUCTION OR NO LONGER REQUIRED.

21. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE. IF SEEDING DATES ARE WITHIN THE PERMANENT SEEDING DATES, PERMANENT STABILIZATION SHALL BE INSTALLED PRIOR TO STAGE CHANGES.

22. THE CONTRACTOR WILL BE NOTIFIED BY THE ENGINEER WHEN AND WHERE TO USE THE TEMPORARY SEEDING AND STABILIZATION ITEMS.

23. FOR PERMANENT EROSION CONTROL, THE CONTRACTOR SHALL PLACE TOPSOIL SO THAT IT HAS A BOND WITH THE EXISTING SURFACE TO WHICH IT IS APPLIED. IT SHALL BE DISKED OR RAKED OR OTHERWISE BROKEN UP IF NECESSARY TO PROVIDE SUCH BOND. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED AND EXISTING STRUCTURE RIMS SHALL NOT BE COVERED. EXISTING VEGETATION SHALL NOT BE COVERED.

24. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

25. THE CONTRACTOR SHALL COORDINATE OVERLAPPING WORK AREAS, SEQUENCING OF CONSTRUCTION, AND THE PLACEMENT AND MAINTENANCE OF EROSION CONTROL MEASURES WITH ADJACENT CONTRACT(S) AND AT THE DIRECTION OF THE ENGINEER.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION.

27. ALL TEMPORARY CONNECTIONS FOR TEMPORARY PIPE CULVERTS INTO EXISTING/PROPOSED STRUCTURES/PIPES SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE FOR PIPE CULVERT OF THE CLASS, TYPE, SIZE (TEMPORARY).

28. ALL RIM AND INVERTS FOR TEMPORARY DRAINAGE STRUCTURES ARE ESTIMATES AND NEED TO BE FIELD VERIFIED, NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO INSTALLATION. NO EXTRA COMPENSATION WILL BE PROVIDED FOR ANY DISCREPANCIES DETERMINED IN THE FIELD.

29. THE CONTRACTOR SHALL ATTACH A MINIMUM OF 2 ALUMINUM SIGNS WITH THE FOLLOWING TEXT: PROTECTED WETLAND NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE TEMPORARY FENCE BY A METHOD APPROVED BY THE ENGINEER. THE SIGNS WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT LANDSCAPE ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED, UNDAMAGED OR REPLACED SIGNS SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP AND RETURNING THE SIGNS WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.

30. THE DEPARTMENT HAS OBTAINED ANY PERMITS FOR OFFSITE BORROW OR WASTE/USE(BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EROSION AND SEDIMENT CONTROL LEGEND

- PERIMETER EROSION BARRIER*
- TEMPORARY DITCH CHECK
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- INLET FILTER
- SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE
- TD — TEMPORARY DITCH
- DITCH FLOW
- DB — DEWATERING BASIN
- ROCK DITCH CHECK
- SEDIMENT TRAP
- EROSION CONTROL BLANKET WITH TEMPORARY EROSION CONTROL SEEDING
- WOUS (IMPACTED)
- WETLAND (IMPACTED)
- TEMPORARY PAVEMENT (SEE SUGGESTED MAINTENENCE OF TRAFFIC PLANS)
- WORK ZONE
- OVERLAND FLOW
- A — WETLAND INTRUSION AREA

"WETLAND - NO INTRUSION" SIGN 6'X3"

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

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TransLand Engineering Group

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		DRAWN - TRANS	REVISED -	
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PLOT DATE = 03-OCT-2024		DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL GENERAL NOTES AND LEGEND

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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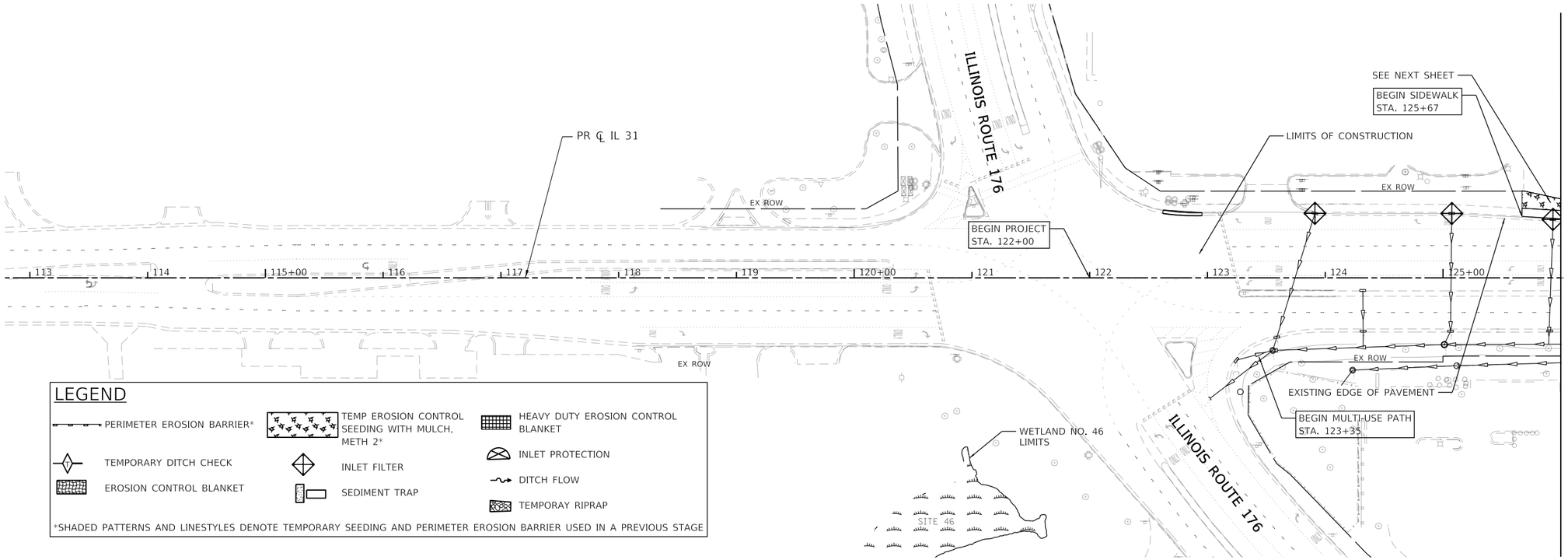
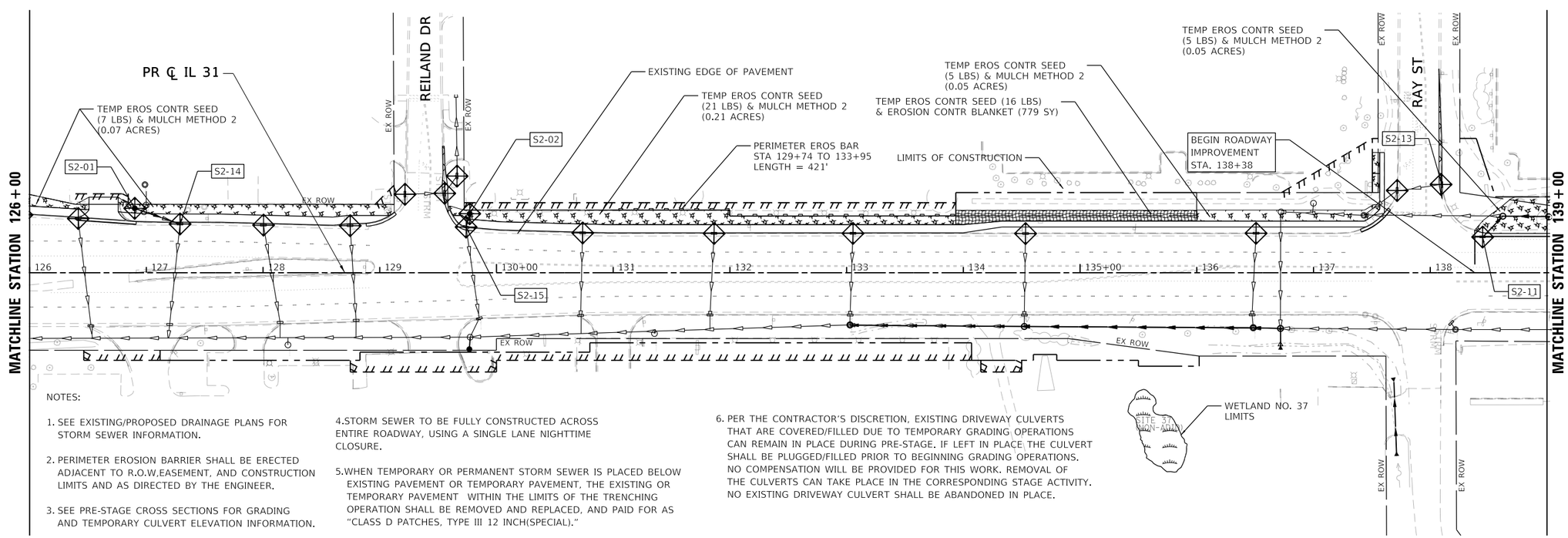
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			





NOTES:

1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.

2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W,EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.

3. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.

4. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHTTIME CLOSURE.

5. WHEN TEMPORARY OR PERMANENT STORM SEWER IS PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION SHALL BE REMOVED AND REPLACED, AND PAID FOR AS "CLASS D PATCHES, TYPE III 12 INCH(SPECIAL)."

6. PER THE CONTRACTOR'S DISCRETION, EXISTING DRIVEWAY CULVERTS THAT ARE COVERED/FILLED DUE TO TEMPORARY GRADING OPERATIONS CAN REMAIN IN PLACE DURING PRE-STAGE. IF LEFT IN PLACE THE CULVERT SHALL BE PLUGGED/FILLED PRIOR TO BEGINNING GRADING OPERATIONS. NO COMPENSATION WILL BE PROVIDED FOR THIS WORK. REMOVAL OF THE CULVERTS CAN TAKE PLACE IN THE CORRESPONDING STAGE ACTIVITY. NO EXISTING DRIVEWAY CULVERT SHALL BE ABANDONED IN PLACE.

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TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL STAGE 1 PLAN ILLINOIS ROUTE 31
		DRAWN - TRANS	REVISED -		
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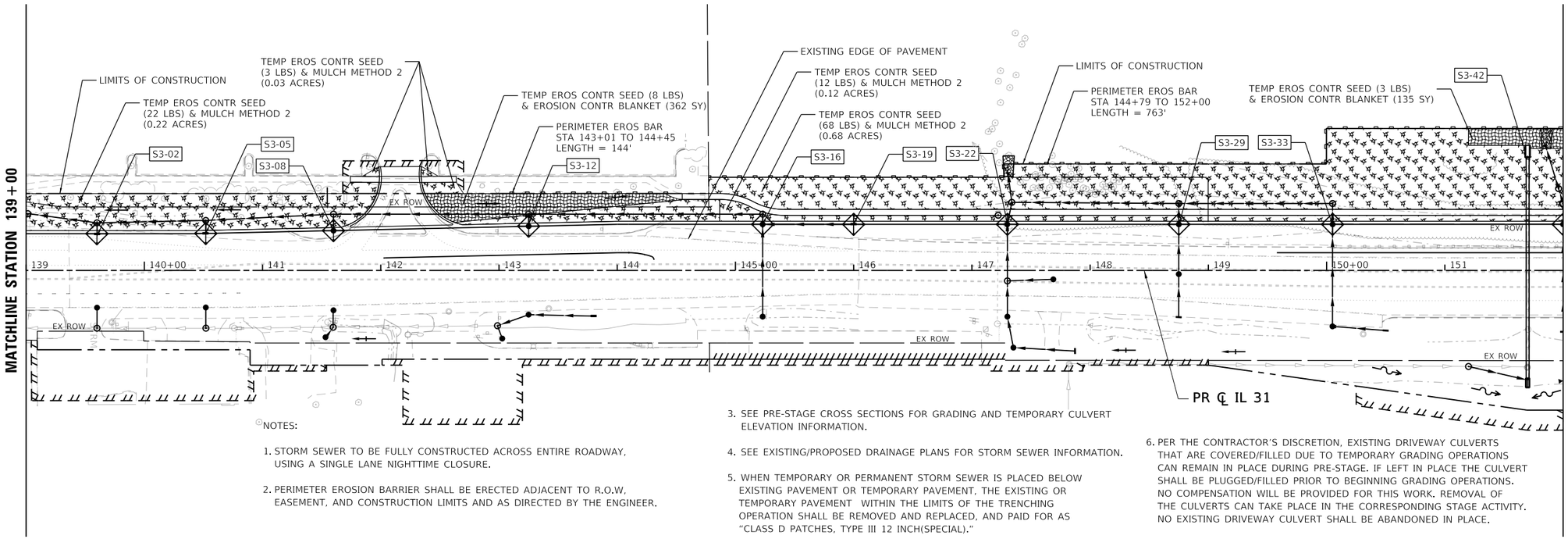
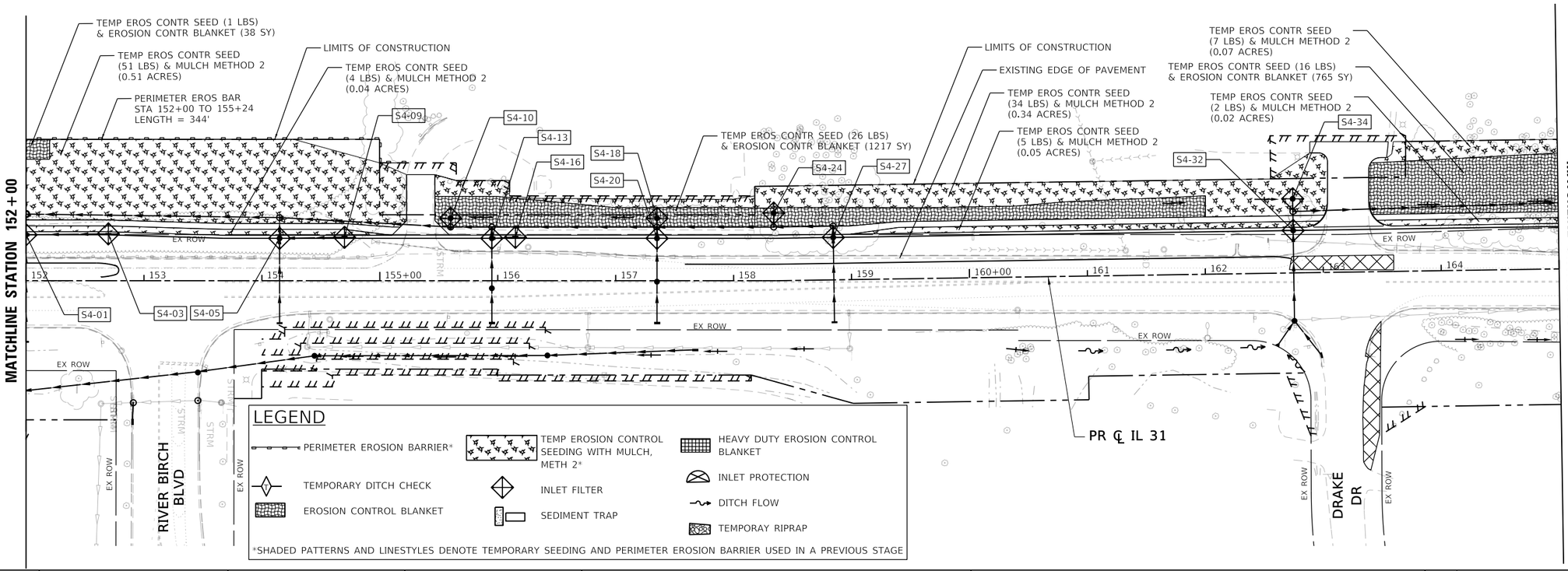
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 1 OF 13 SHEETS STA. 113+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	306
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHTTIME CLOSURE.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.
4. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
5. WHEN TEMPORARY OR PERMANENT STORM SEWER IS PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION SHALL BE REMOVED AND REPLACED, AND PAID FOR AS "CLASS D PATCHES, TYPE III 12 INCH(SPECIAL)."
6. PER THE CONTRACTOR'S DISCRETION, EXISTING DRIVEWAY CULVERTS THAT ARE COVERED/FILLED DUE TO TEMPORARY GRADING OPERATIONS CAN REMAIN IN PLACE DURING PRE-STAGE. IF LEFT IN PLACE THE CULVERT SHALL BE PLUGGED/FILLED PRIOR TO BEGINNING GRADING OPERATIONS. NO COMPENSATION WILL BE PROVIDED FOR THIS WORK. REMOVAL OF THE CULVERTS CAN TAKE PLACE IN THE CORRESPONDING STAGE ACTIVITY. NO EXISTING DRIVEWAY CULVERT SHALL BE ABANDONED IN PLACE.



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TransLand Engineering Group

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	DRAWN - TRANS	REVISED -	
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PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 13 SHEETS | STA. 139+00 TO STA. 165+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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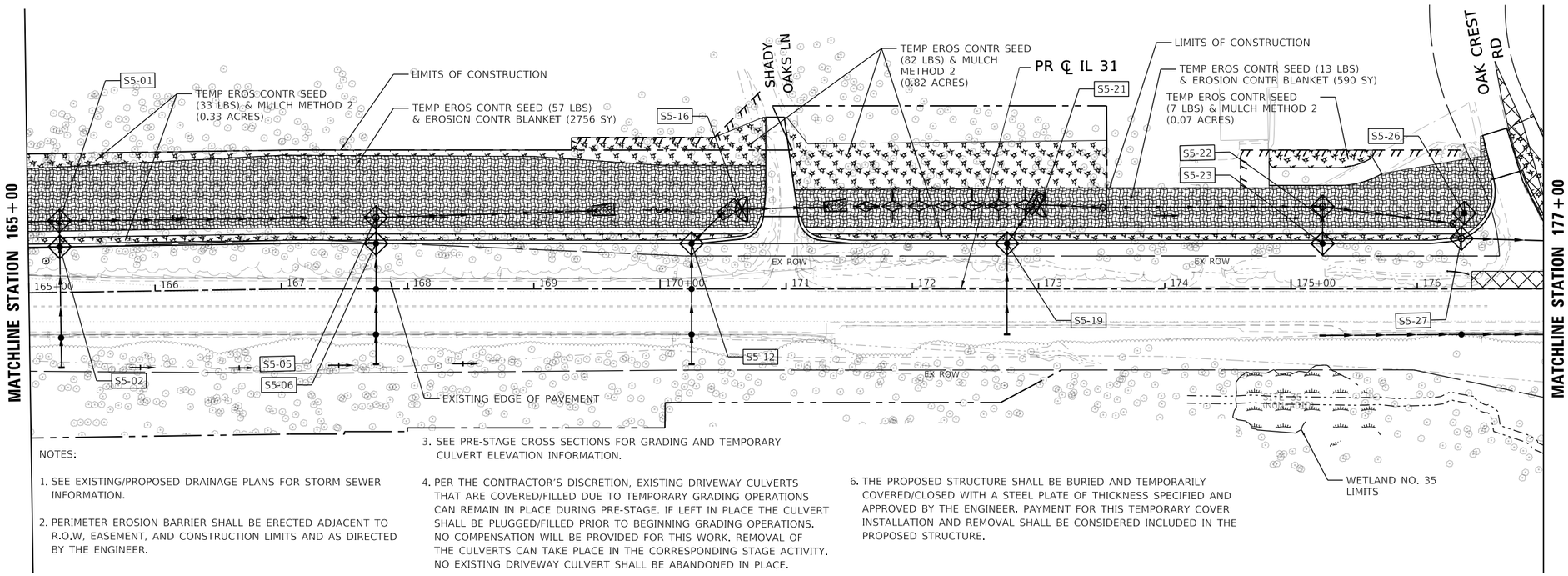
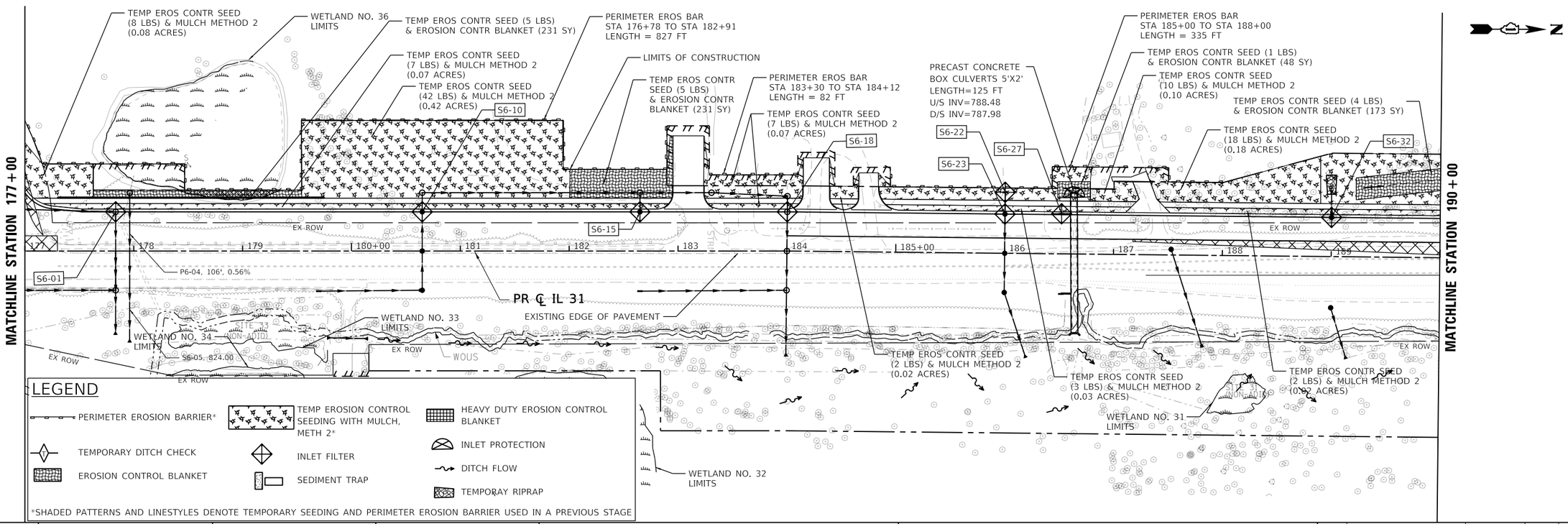
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.
4. PER THE CONTRACTOR'S DISCRETION, EXISTING DRIVEWAY CULVERTS THAT ARE COVERED/FILLED DUE TO TEMPORARY GRADING OPERATIONS CAN REMAIN IN PLACE DURING PRE-STAGE. IF LEFT IN PLACE THE CULVERT SHALL BE PLUGGED/FILLED PRIOR TO BEGINNING GRADING OPERATIONS. NO COMPENSATION WILL BE PROVIDED FOR THIS WORK. REMOVAL OF THE CULVERTS CAN TAKE PLACE IN THE CORRESPONDING STAGE ACTIVITY. NO EXISTING DRIVEWAY CULVERT SHALL BE ABANDONED IN PLACE.
6. THE PROPOSED STRUCTURE SHALL BE BURIED AND TEMPORARILY COVERED/CLOSED WITH A STEEL PLATE OF THICKNESS SPECIFIED AND APPROVED BY THE ENGINEER. PAYMENT FOR THIS TEMPORARY COVER INSTALLATION AND REMOVAL SHALL BE CONSIDERED INCLUDED IN THE PROPOSED STRUCTURE.



LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

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TransLand Engineering Group

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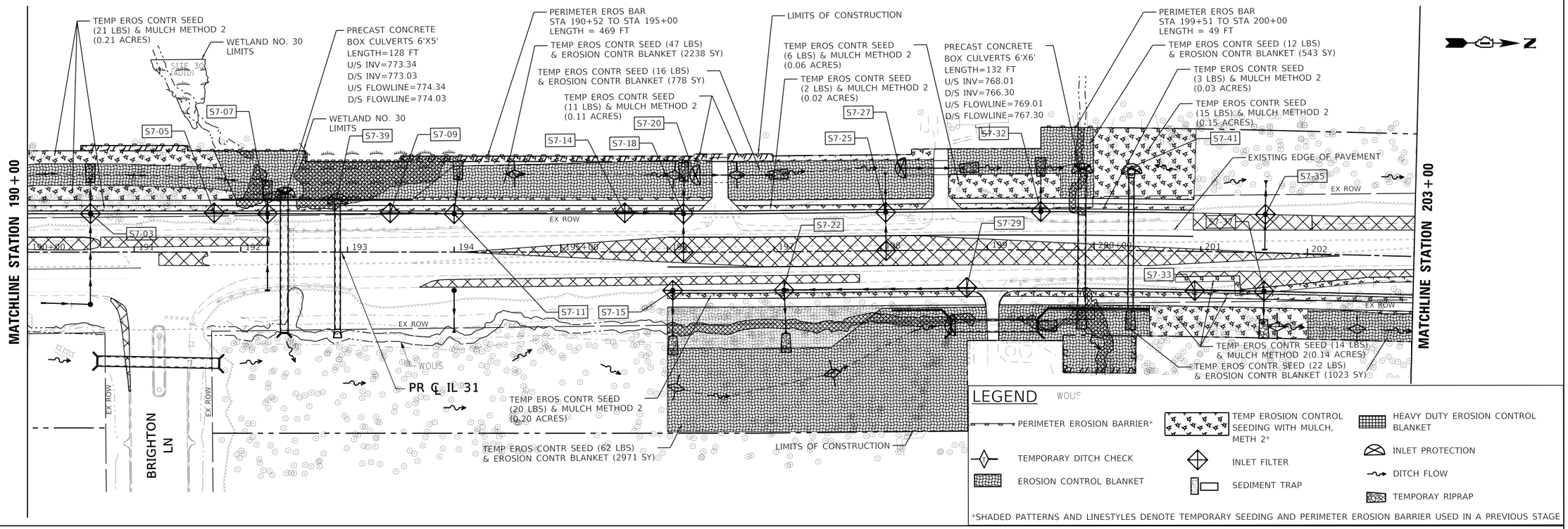
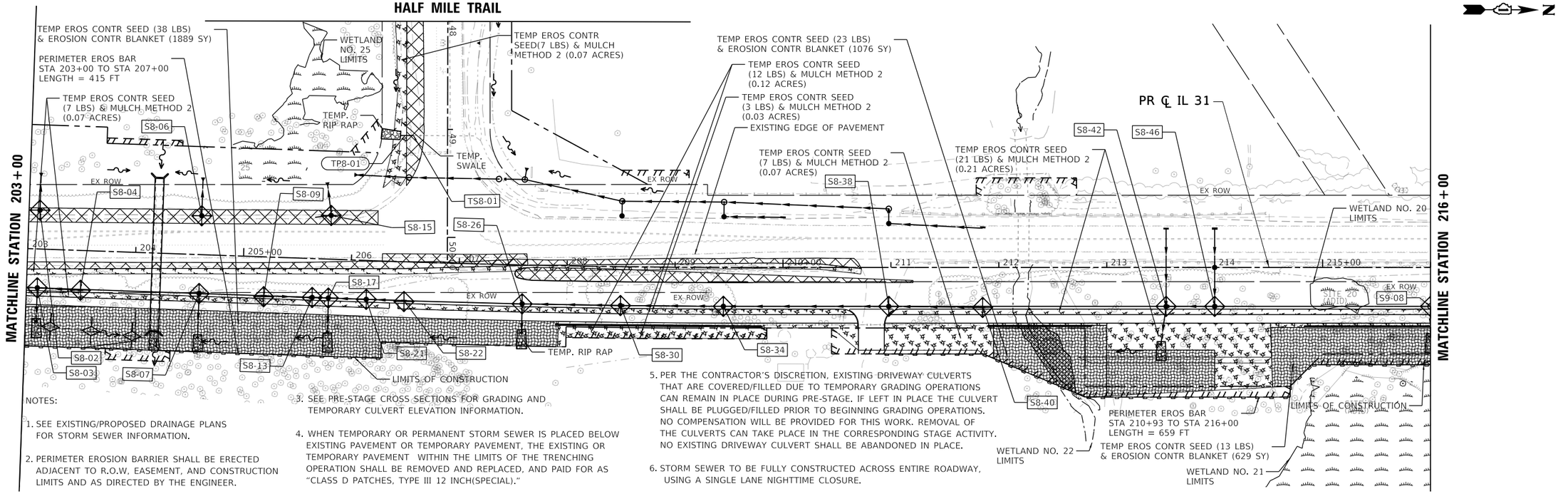
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 13 SHEETS | STA. 165+00 | TO STA. 190+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	308
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





NOTES:

1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.
4. WHEN TEMPORARY OR PERMANENT STORM SEWER IS PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION SHALL BE REMOVED AND REPLACED, AND PAID FOR AS "CLASS D PATCHES, TYPE III 12 INCH(SPECIAL)."
5. PER THE CONTRACTOR'S DISCRETION, EXISTING DRIVEWAY CULVERTS THAT ARE COVERED/FILLED DUE TO TEMPORARY GRADING OPERATIONS CAN REMAIN IN PLACE DURING PRE-STAGE. IF LEFT IN PLACE THE CULVERT SHALL BE PLUGGED/FILLED PRIOR TO BEGINNING GRADING OPERATIONS. NO COMPENSATION WILL BE PROVIDED FOR THIS WORK. REMOVAL OF THE CULVERTS CAN TAKE PLACE IN THE CORRESPONDING STAGE ACTIVITY. NO EXISTING DRIVEWAY CULVERT SHALL BE ABANDONED IN PLACE.
6. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHTTIME CLOSURE.

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TransLand Engineering Group

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PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 13 SHEETS | STA. 190+00 TO STA. 216+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	309
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. PER THE CONTRACTOR'S DISCRETION, EXISTING DRIVEWAY CULVERTS THAT ARE COVERED/FILLED DUE TO TEMPORARY GRADING OPERATIONS CAN REMAIN IN PLACE DURING PRE-STAGE. IF LEFT IN PLACE THE CULVERT SHALL BE PLUGGED/FILLED PRIOR TO BEGINNING GRADING OPERATIONS. NO COMPENSATION WILL BE PROVIDED FOR THIS WORK. REMOVAL OF THE CULVERTS CAN TAKE PLACE IN THE CORRESPONDING STAGE ACTIVITY. NO EXISTING DRIVEWAY CULVERT SHALL BE ABANDONED IN PLACE.
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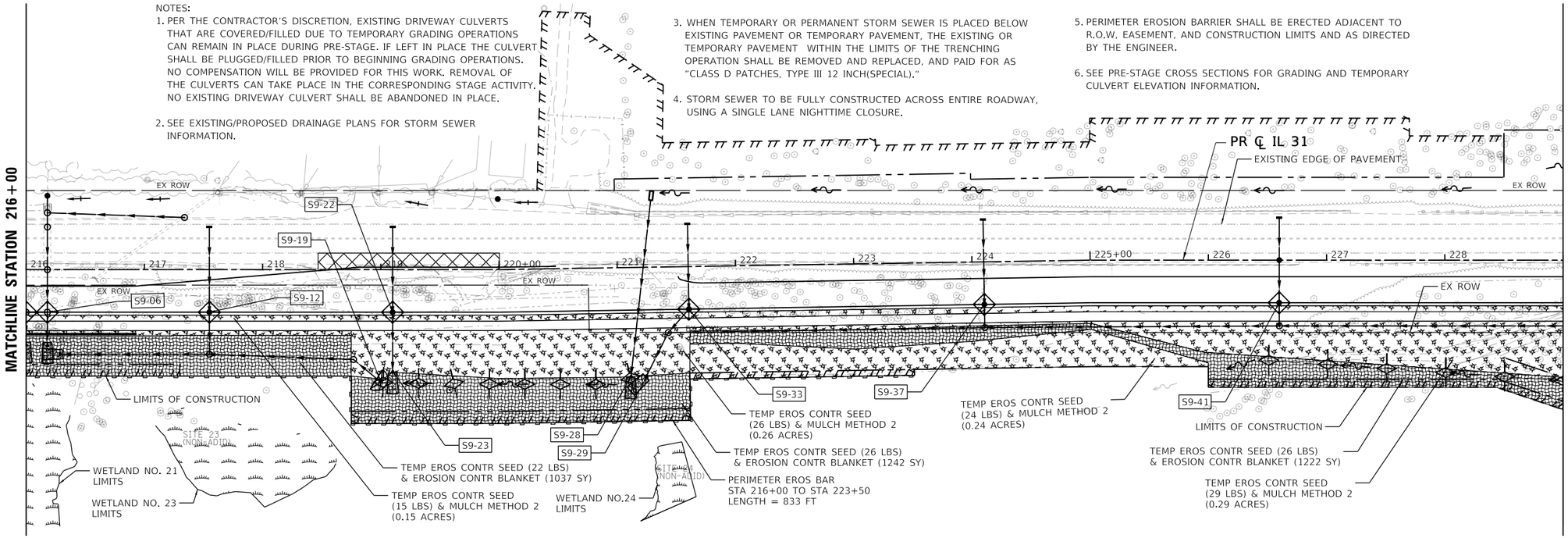
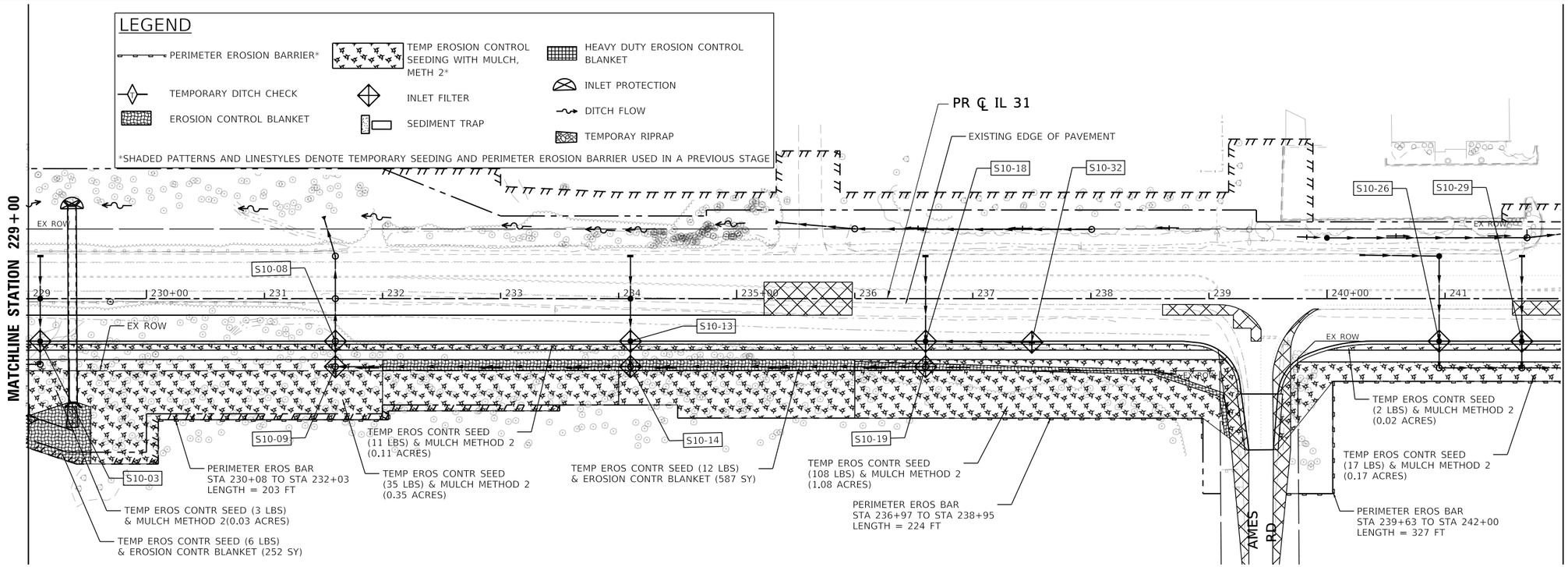
3. WHEN TEMPORARY OR PERMANENT STORM SEWER IS PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION SHALL BE REMOVED AND REPLACED, AND PAID FOR AS "CLASS D PATCHES, TYPE III 12 INCH(SPECIAL)."
4. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHTTIME CLOSURE.
5. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W. EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
6. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.



LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE



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TransLand Engineering Group

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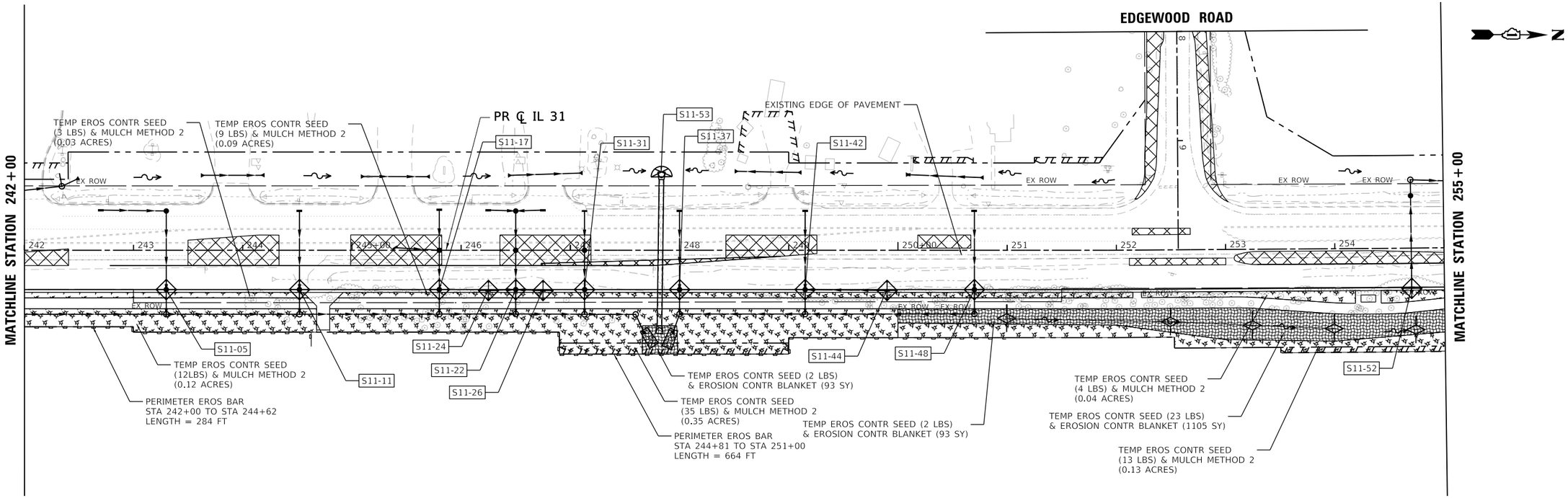
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 13 SHEETS | STA. 216+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	310
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.
4. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHTTIME CLOSURE.
5. WHEN TEMPORARY OR PERMANENT STORM SEWER IS PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION SHALL BE REMOVED AND REPLACED, AND PAID FOR AS "CLASS D PATCHES, TYPE III 12 INCH(SPECIAL)."
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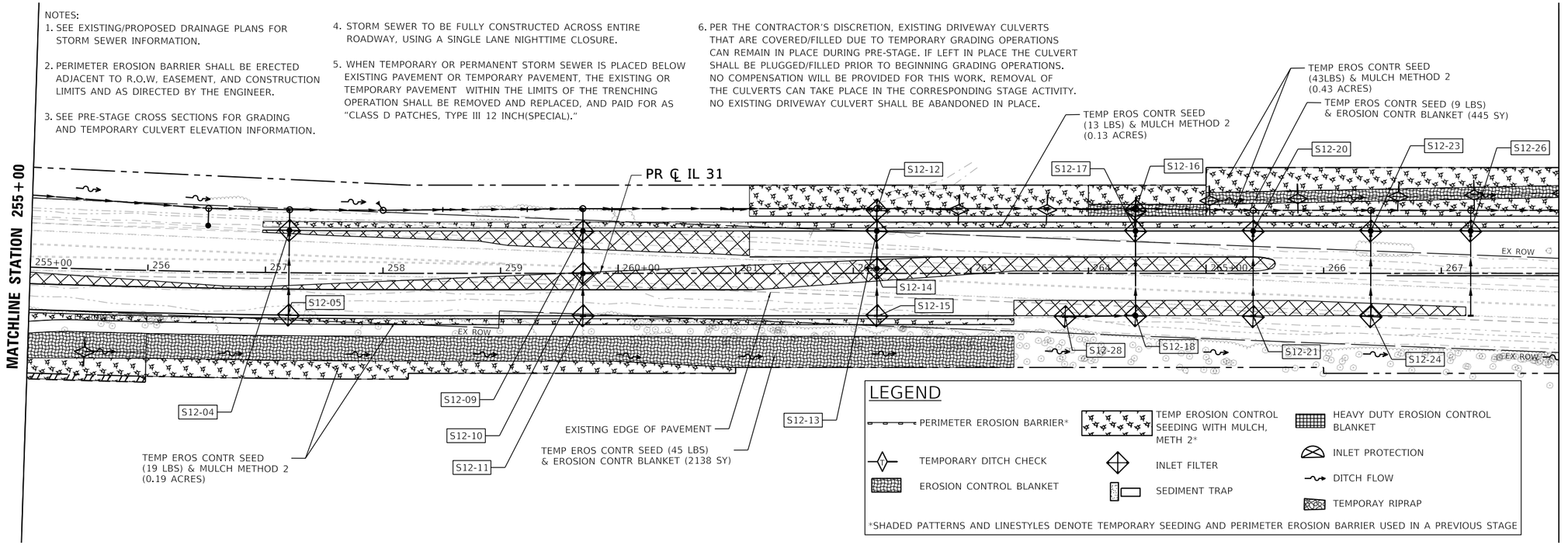

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TransLand Engineering Group

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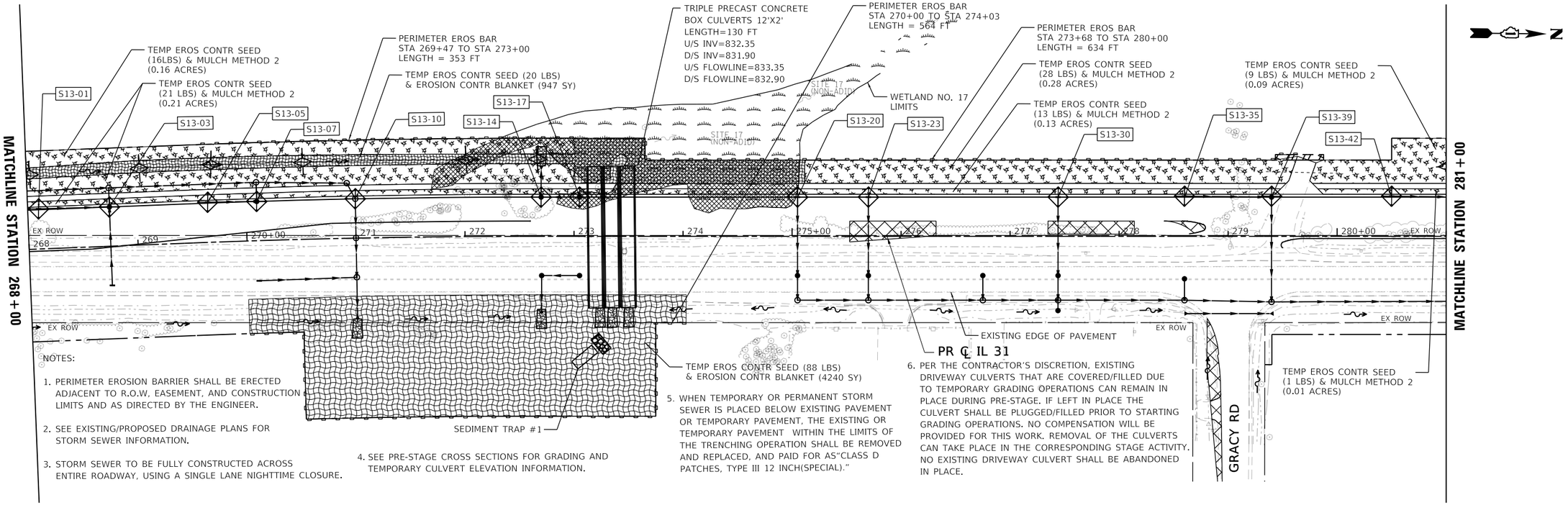
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 13 SHEETS | STA. 242+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	311
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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TransLand Engineering Group

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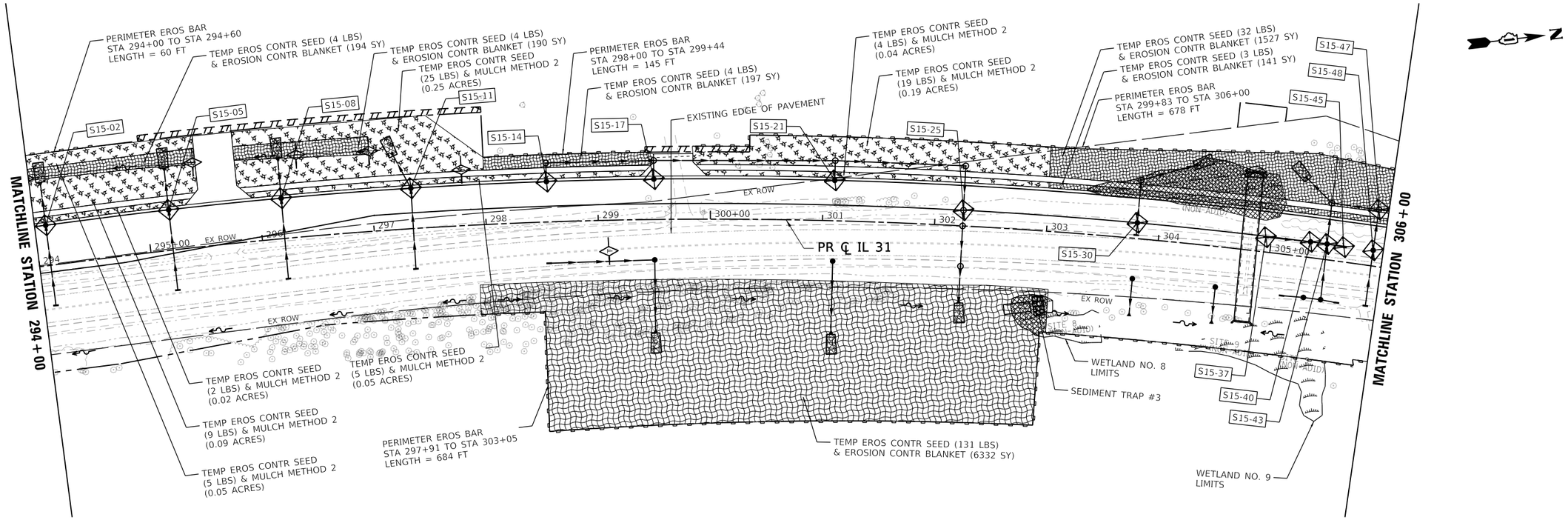
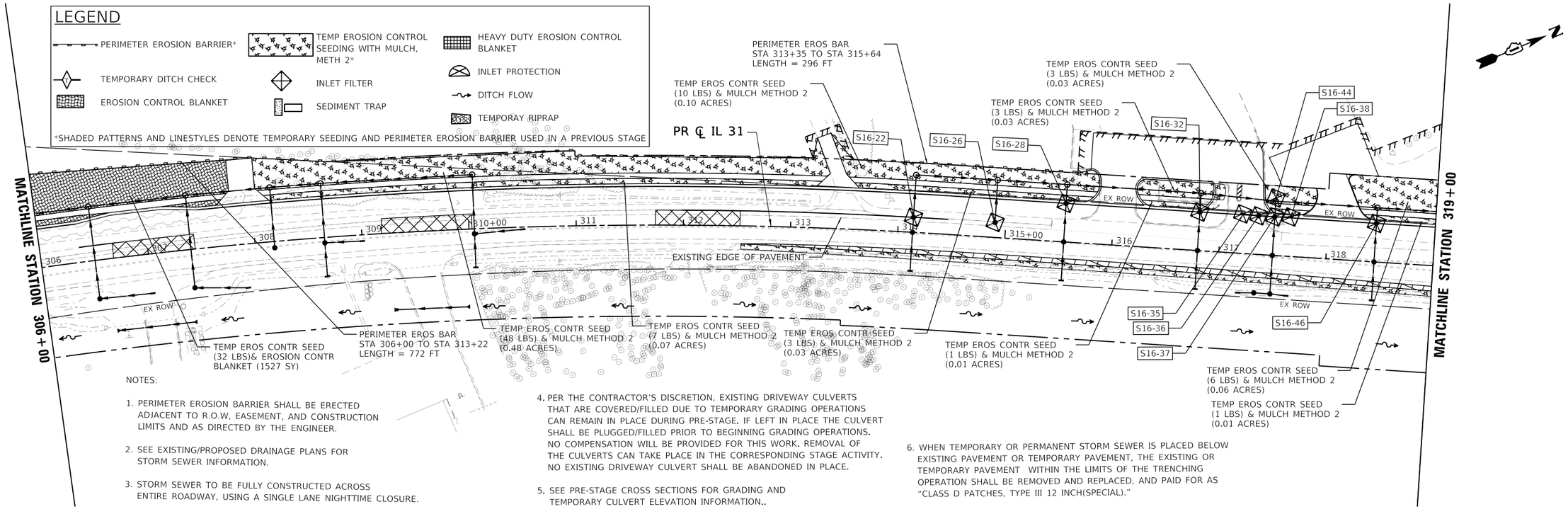
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 13 SHEETS | STA. 268+00 TO STA. 294+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	312
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





NOTES:

1. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
2. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
3. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHTTIME CLOSURE.
4. PER THE CONTRACTOR'S DISCRETION, EXISTING DRIVEWAY CULVERTS THAT ARE COVERED/FILLED DUE TO TEMPORARY GRADING OPERATIONS CAN REMAIN IN PLACE DURING PRE-STAGE. IF LEFT IN PLACE THE CULVERT SHALL BE PLUGGED/FILLED PRIOR TO BEGINNING GRADING OPERATIONS. NO COMPENSATION WILL BE PROVIDED FOR THIS WORK. REMOVAL OF THE CULVERTS CAN TAKE PLACE IN THE CORRESPONDING STAGE ACTIVITY. NO EXISTING DRIVEWAY CULVERT SHALL BE ABANDONED IN PLACE.
5. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION..
6. WHEN TEMPORARY OR PERMANENT STORM SEWER IS PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION SHALL BE REMOVED AND REPLACED, AND PAID FOR AS "CLASS D PATCHES, TYPE III 12 INCH(SPECIAL)."

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TransLand Engineering Group

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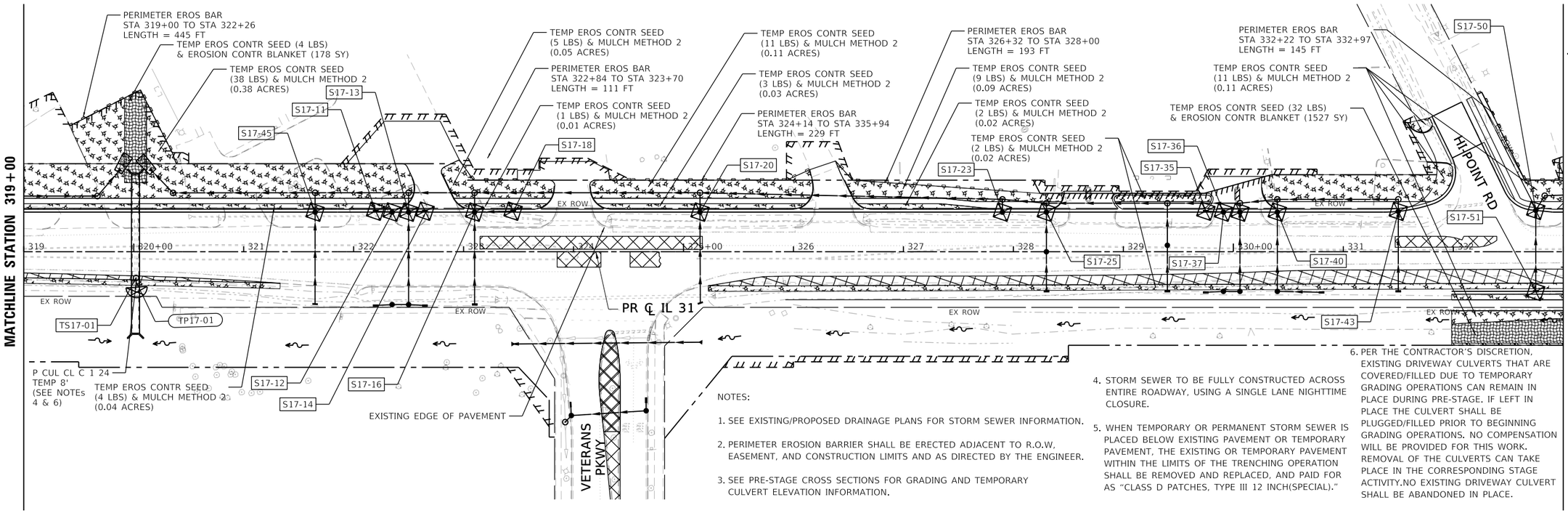
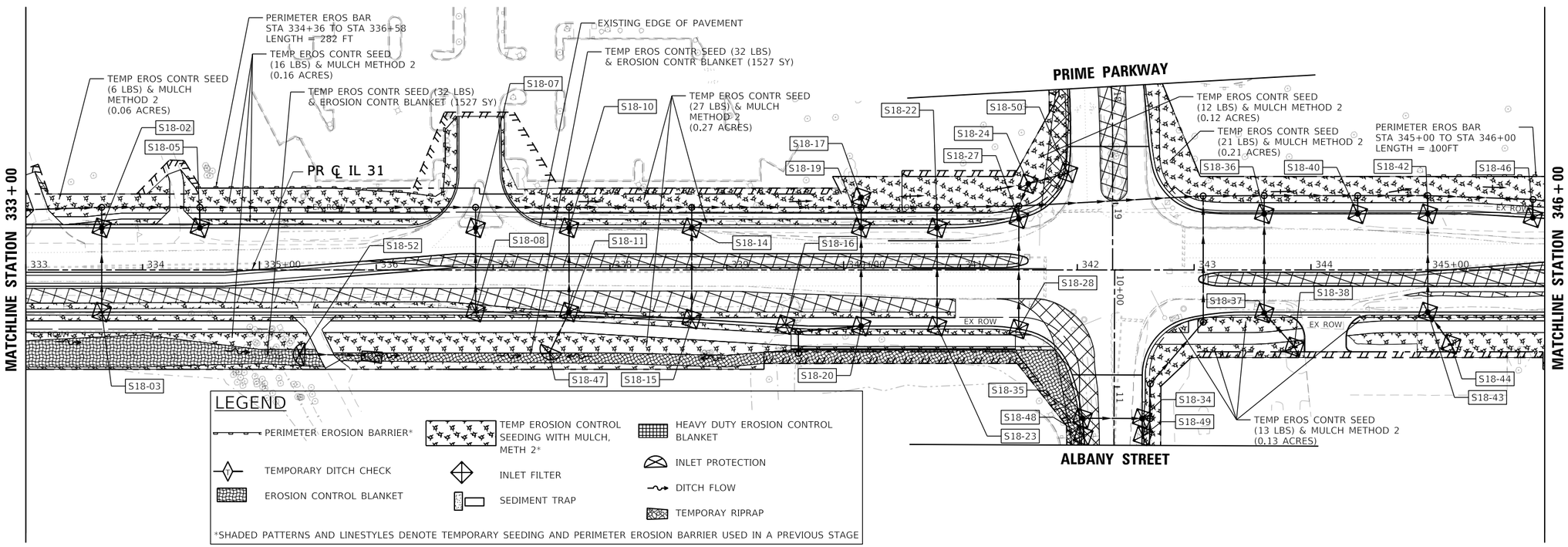
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 13 SHEETS | STA. 294+00 TO STA. 319+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	313
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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TransLand Engineering Group

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 13 SHEETS | STA. 319+00 TO STA. 346+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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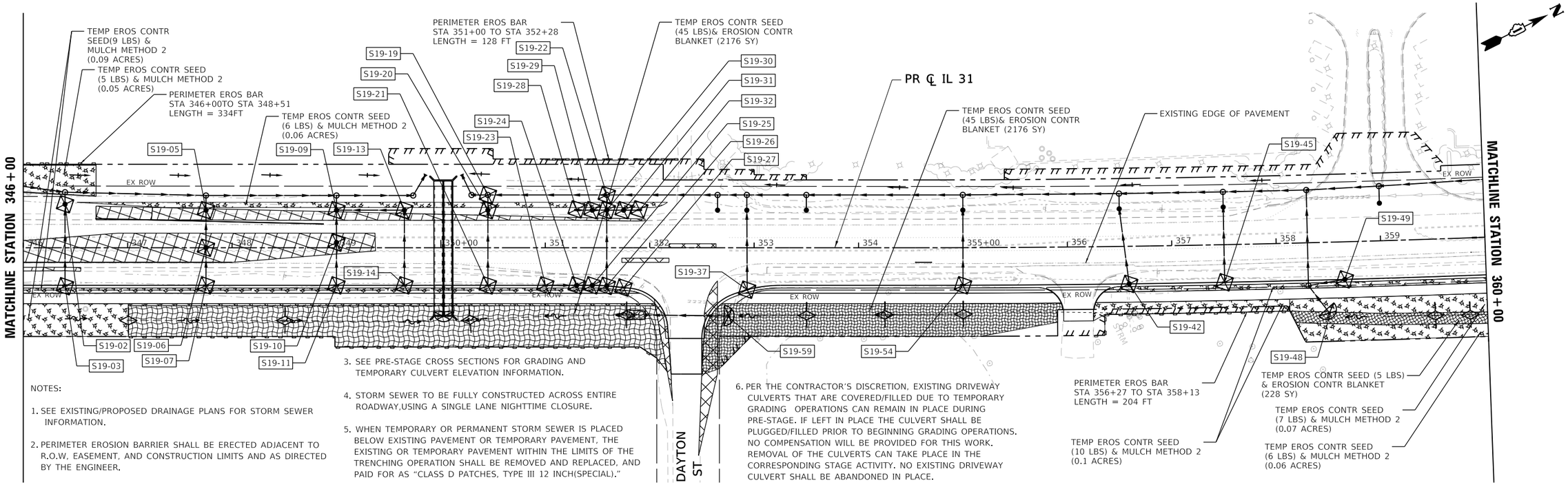
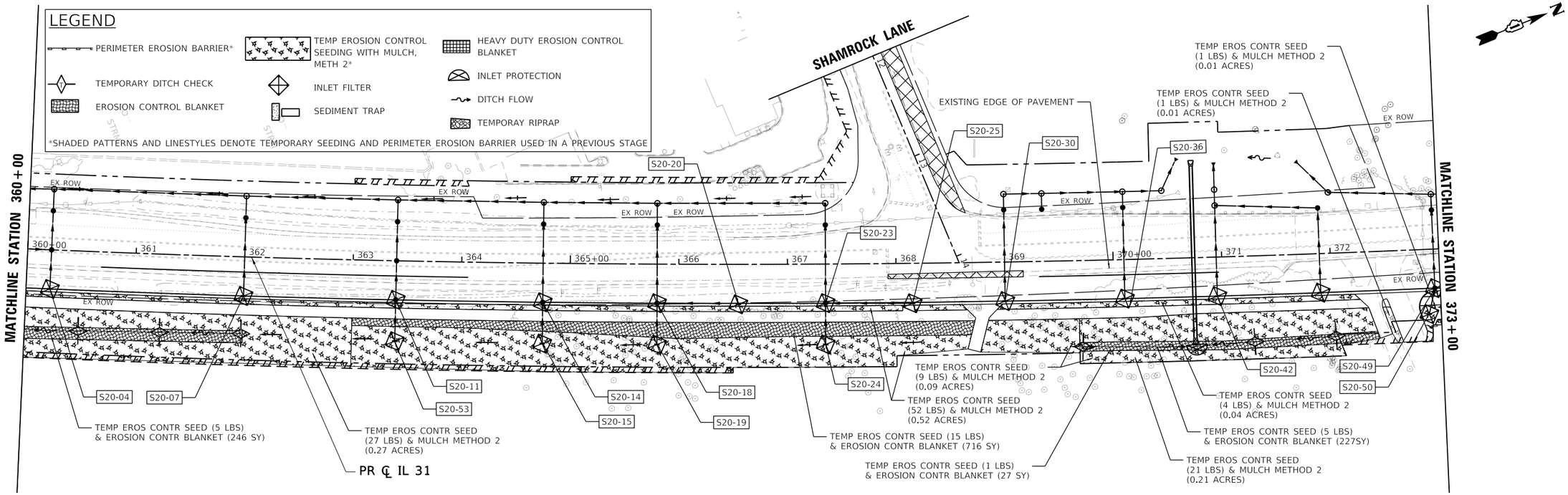
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 13 SHEETS | STA. 346+00 | TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	315
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
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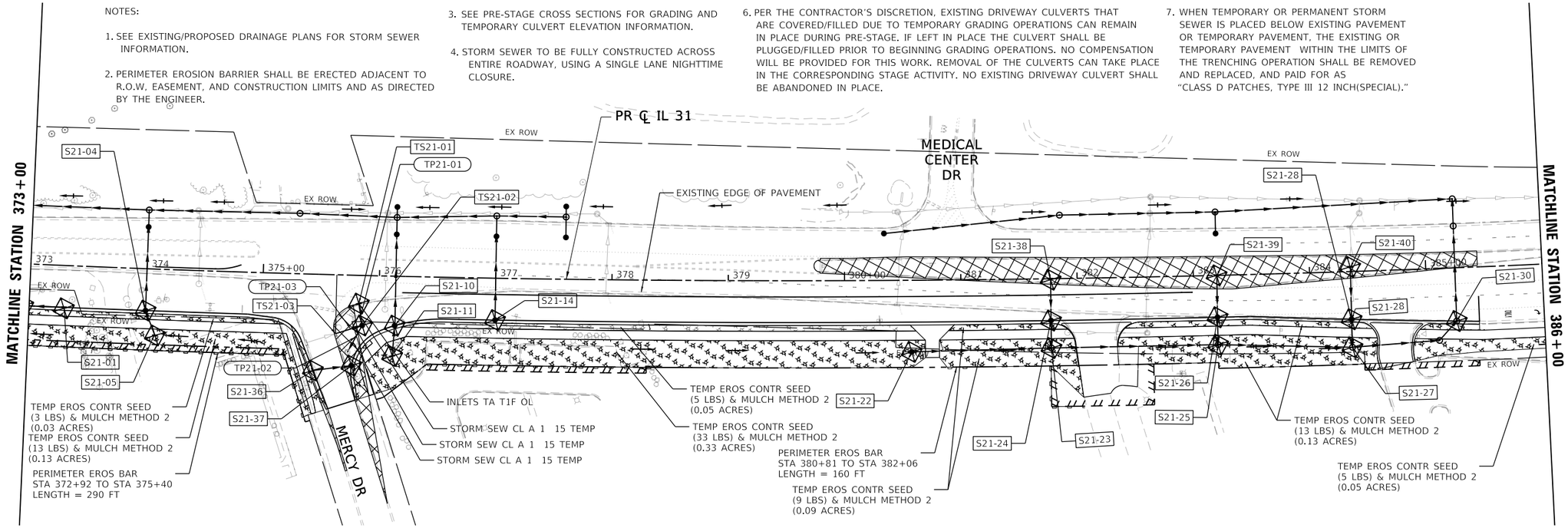

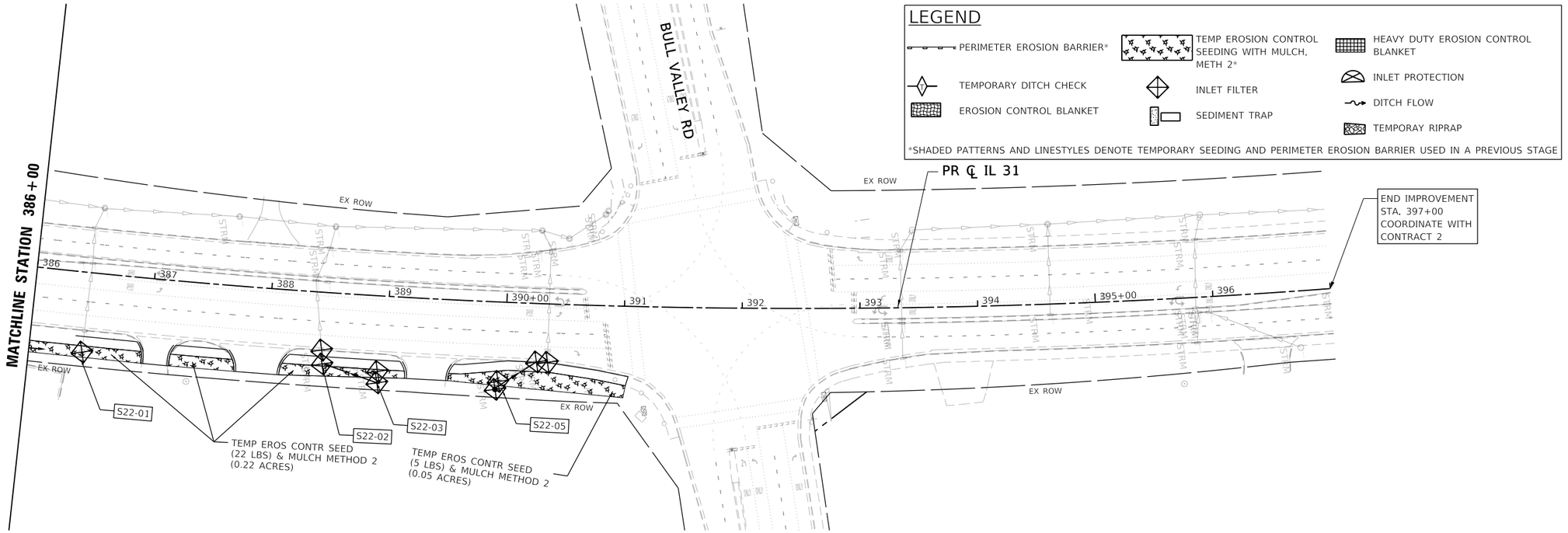

LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

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TransLand Engineering Group

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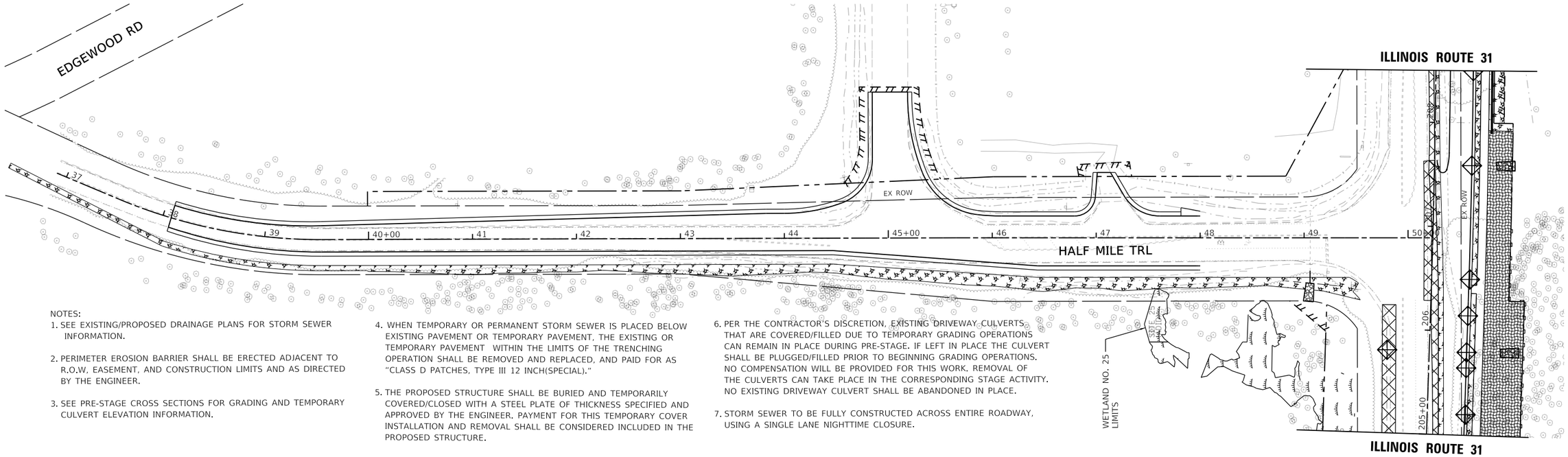
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 13 SHEETS | STA. 373+00 TO STA. 397+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	316
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES:

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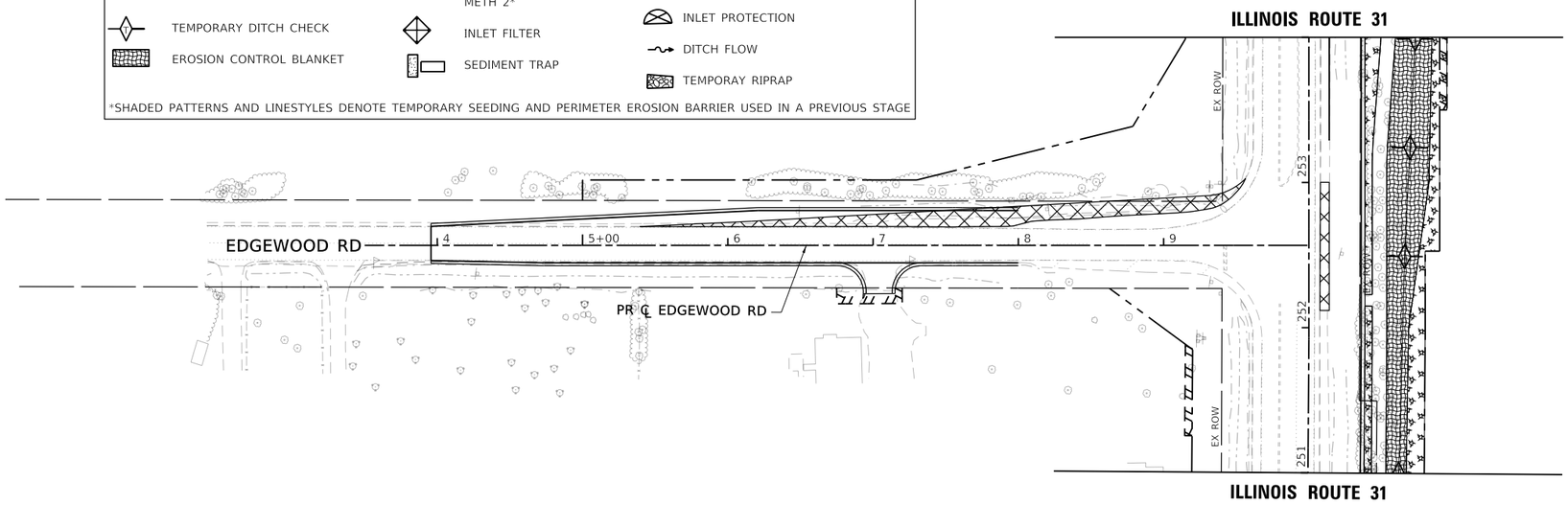
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.
4. WHEN TEMPORARY OR PERMANENT STORM SEWER IS PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION SHALL BE REMOVED AND REPLACED, AND PAID FOR AS "CLASS D PATCHES, TYPE III 12 INCH(SPECIAL)."
5. THE PROPOSED STRUCTURE SHALL BE BURIED AND TEMPORARILY COVERED/CLOSED WITH A STEEL PLATE OF THICKNESS SPECIFIED AND APPROVED BY THE ENGINEER. PAYMENT FOR THIS TEMPORARY COVER INSTALLATION AND REMOVAL SHALL BE CONSIDERED INCLUDED IN THE PROPOSED STRUCTURE.
6. PER THE CONTRACTOR'S DISCRETION, EXISTING DRIVEWAY CULVERTS THAT ARE COVERED/FILLED DUE TO TEMPORARY GRADING OPERATIONS CAN REMAIN IN PLACE DURING PRE-STAGE. IF LEFT IN PLACE THE CULVERT SHALL BE PLUGGED/FILLED PRIOR TO BEGINNING GRADING OPERATIONS. NO COMPENSATION WILL BE PROVIDED FOR THIS WORK. REMOVAL OF THE CULVERTS CAN TAKE PLACE IN THE CORRESPONDING STAGE ACTIVITY. NO EXISTING DRIVEWAY CULVERT SHALL BE ABANDONED IN PLACE.
7. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHTTIME CLOSURE.

LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE



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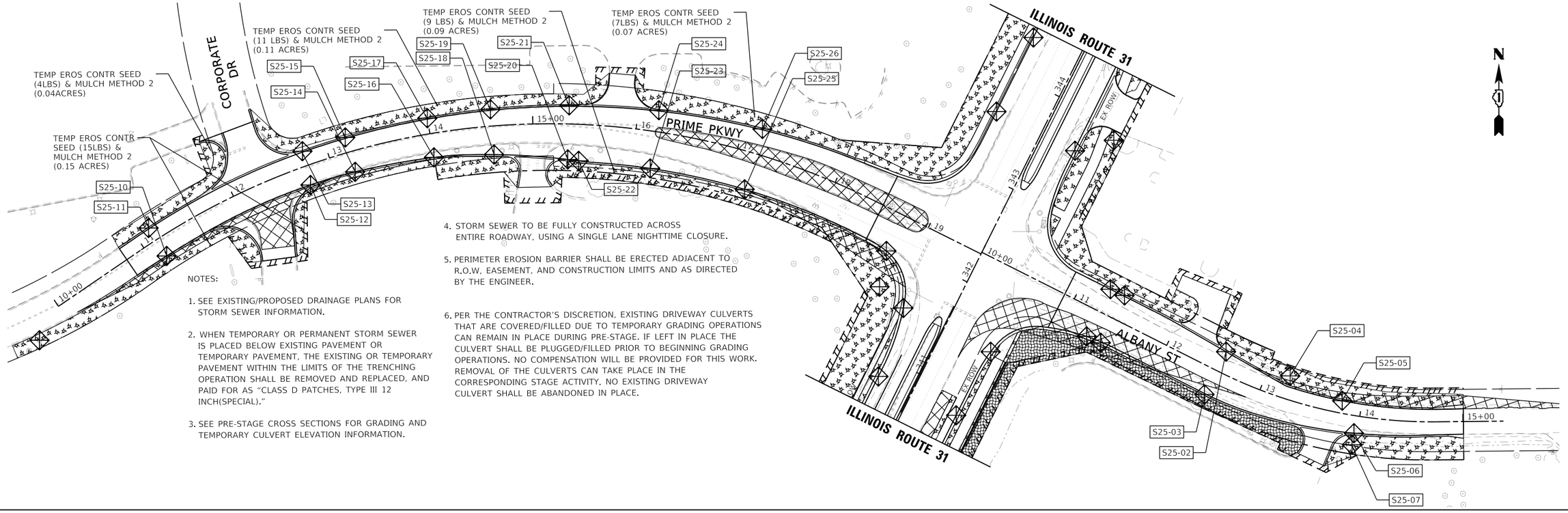
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -
		DRAWN - TRANS	REVISED -
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
HALF MILE TRAIL /EDGEWOOD ROAD

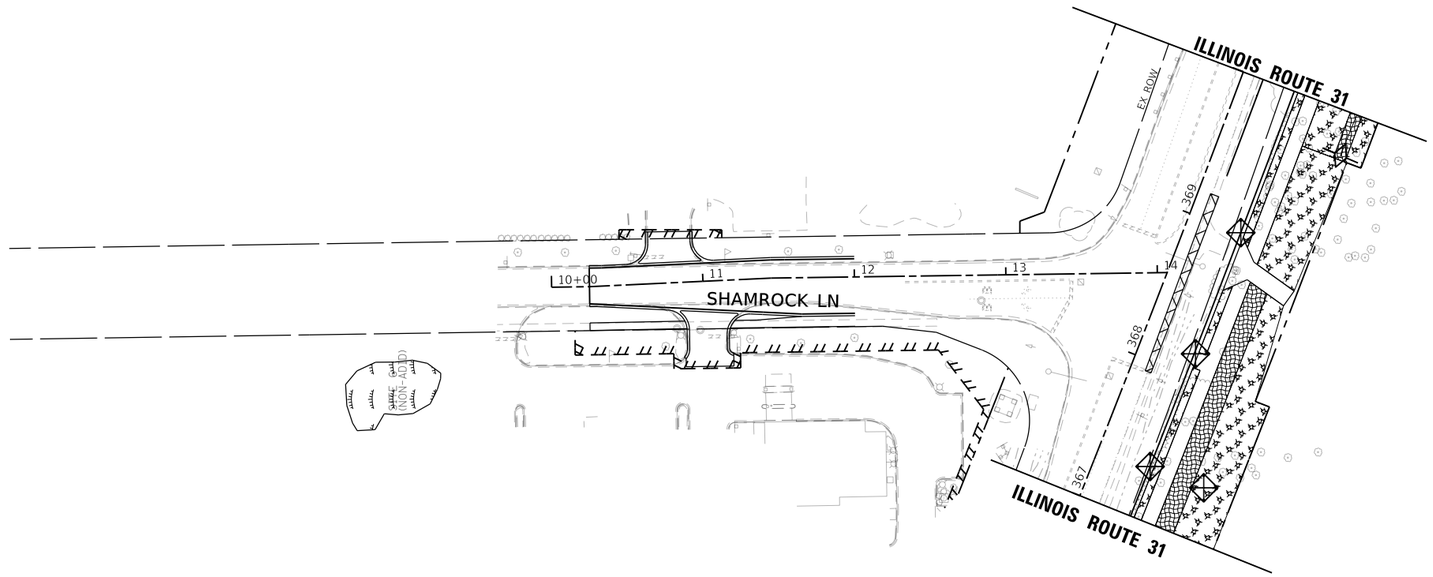
SCALE: 1"=50' | SHEET 12 OF 13 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	317
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. WHEN TEMPORARY OR PERMANENT STORM SEWER IS PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION SHALL BE REMOVED AND REPLACED, AND PAID FOR AS "CLASS D PATCHES, TYPE III 12 INCH(SPECIAL)."
3. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.
4. STORM SEWER TO BE FULLY CONSTRUCTED ACROSS ENTIRE ROADWAY, USING A SINGLE LANE NIGHTTIME CLOSURE.
5. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
6. PER THE CONTRACTOR'S DISCRETION, EXISTING DRIVEWAY CULVERTS THAT ARE COVERED/FILLED DUE TO TEMPORARY GRADING OPERATIONS CAN REMAIN IN PLACE DURING PRE-STAGE. IF LEFT IN PLACE THE CULVERT SHALL BE PLUGGED/FILLED PRIOR TO BEGINNING GRADING OPERATIONS. NO COMPENSATION WILL BE PROVIDED FOR THIS WORK. REMOVAL OF THE CULVERTS CAN TAKE PLACE IN THE CORRESPONDING STAGE ACTIVITY. NO EXISTING DRIVEWAY CULVERT SHALL BE ABANDONED IN PLACE.



LEGEND

- PERIMETER EROSION BARRIER*
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- INLET FILTER
- SEDIMENT TRAP
- HEAVY DUTY EROSION CONTROL BLANKET
- INLET PROTECTION
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

SHAMROCK LANE

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TransLand Engineering Group

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	DRAWN - TRANS	REVISED -	
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

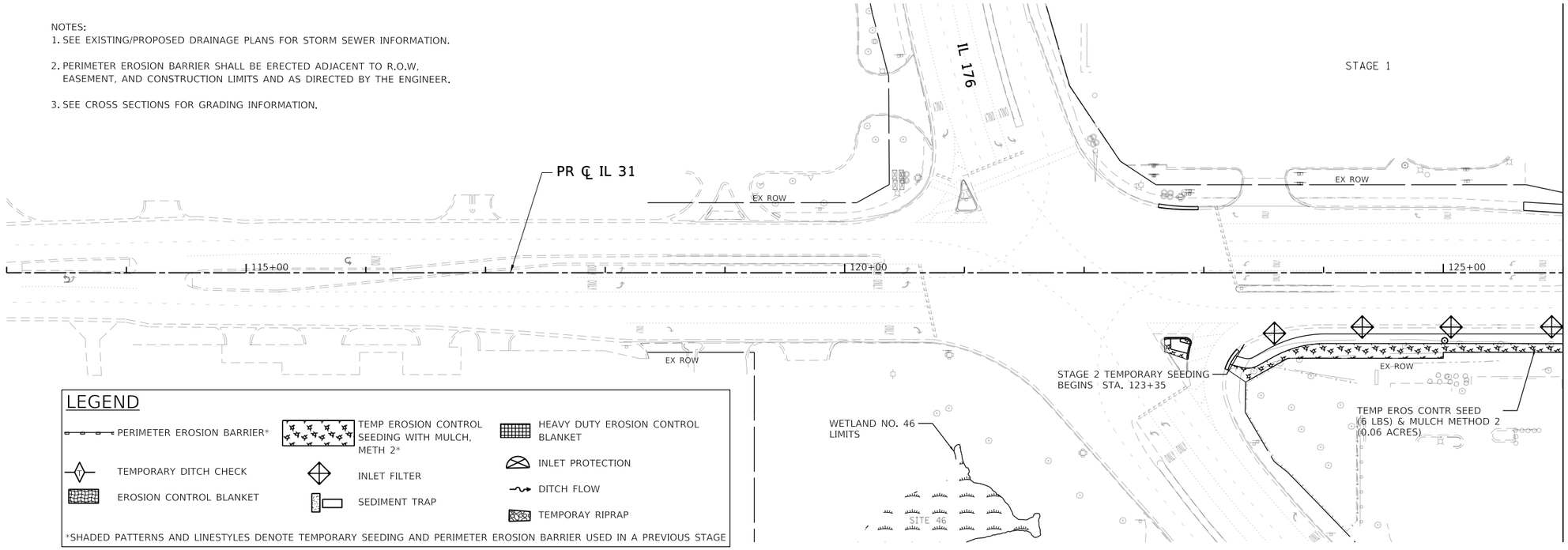
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

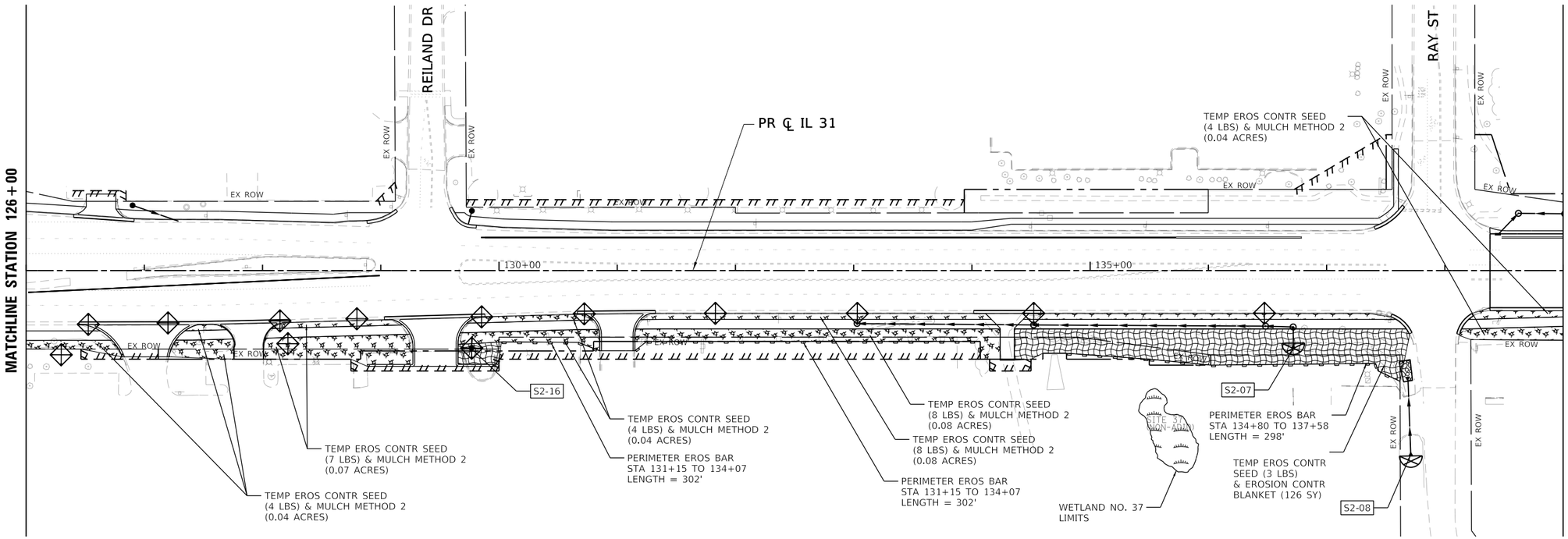
EROSION AND SEDIMENT CONTROL STAGE 1 PLAN
PRIME PRKWY /ALBANY ST & SHAMROCK LN

SCALE: 1"=50' | SHEET 13 OF 13 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	318
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.





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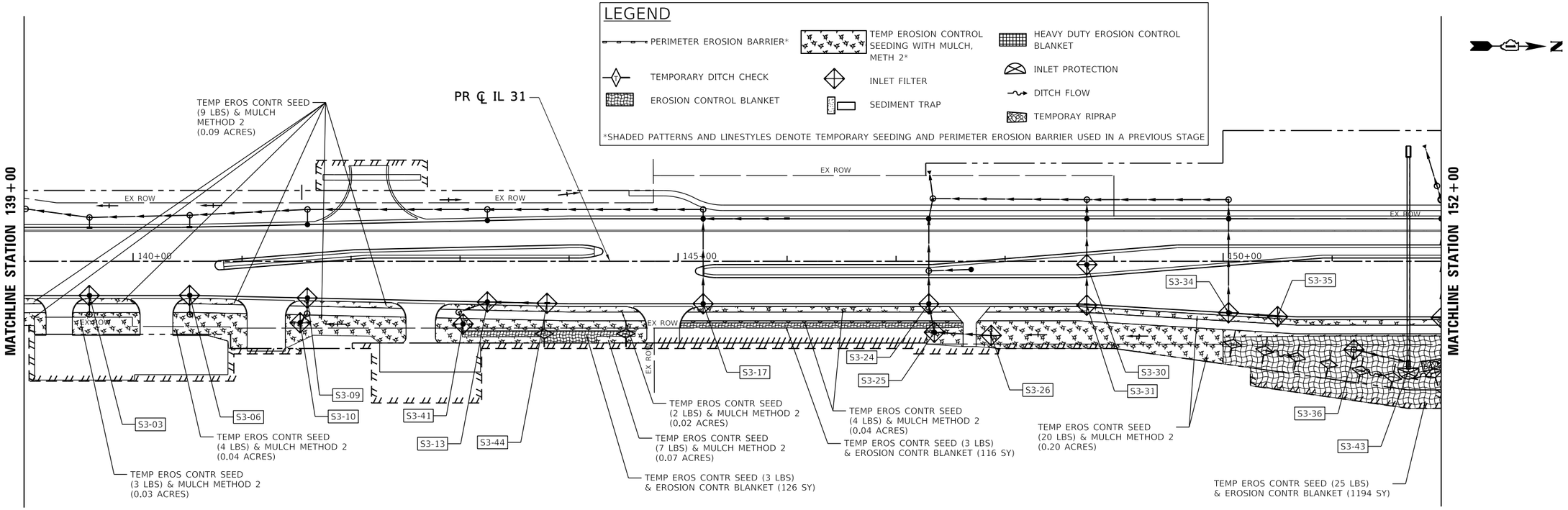
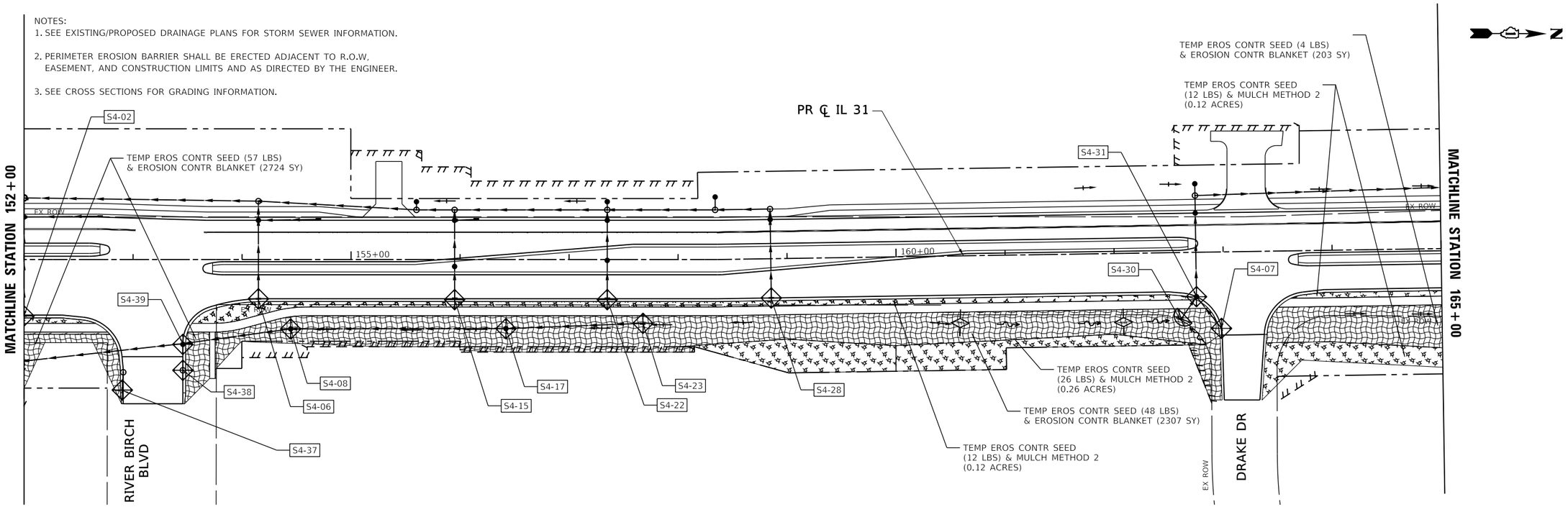
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL STAGE 2 PLAN ILLINOIS ROUTE 31
		DRAWN - TRANS	REVISED -		
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -		
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 1 OF 13 SHEETS STA. 113+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	319
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.



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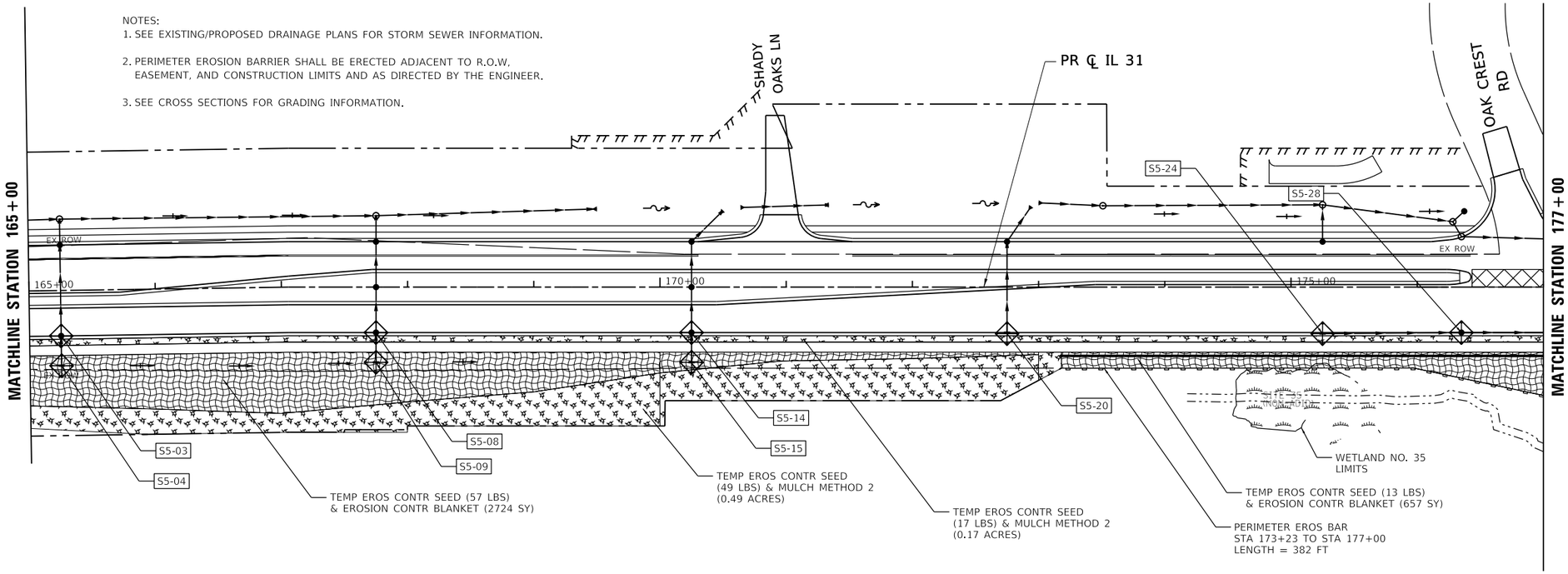
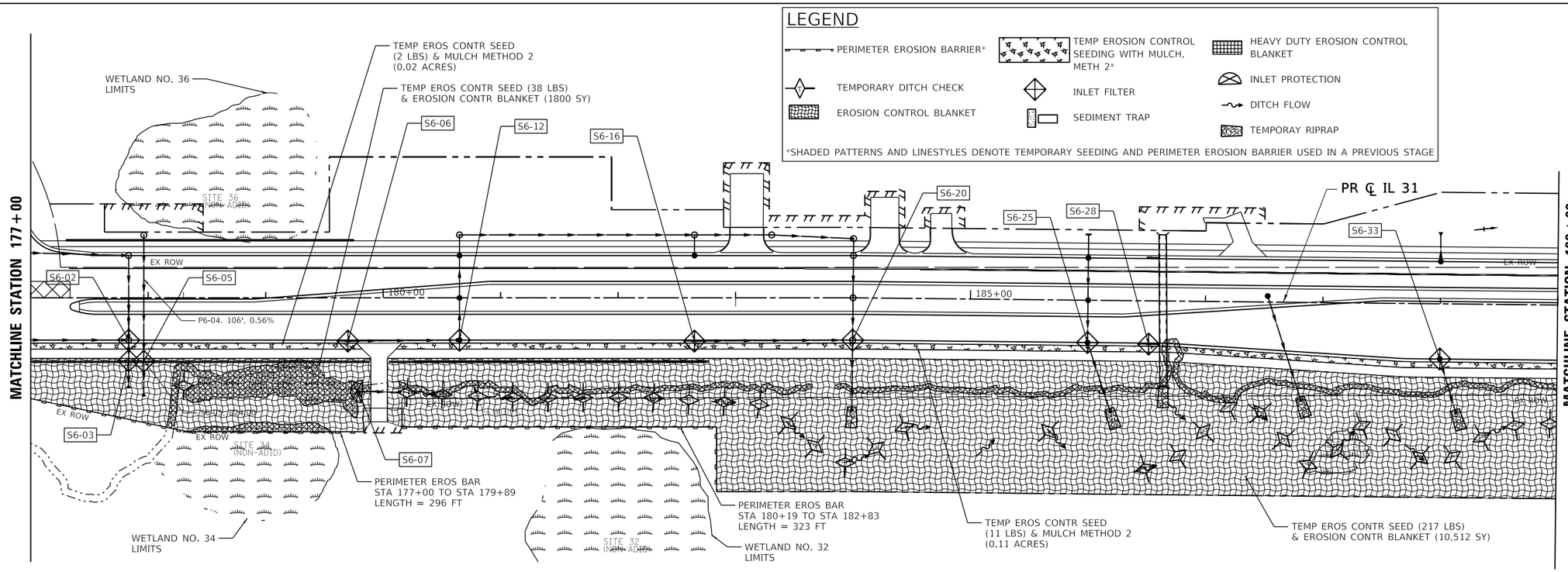
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL STAGE 2 PLAN ILLINOIS ROUTE 31
		DRAWN - TRANS	REVISED -		
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -		
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 2 OF 13 SHEETS STA. 139+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	320
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.





TransLand Engineering Group

USER NAME = eboelter	DESIGNED - TRANS	REVISED -
	DRAWN - TRANS	REVISED -
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 13 SHEETS | STA. 165+00 TO STA. 190+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	321
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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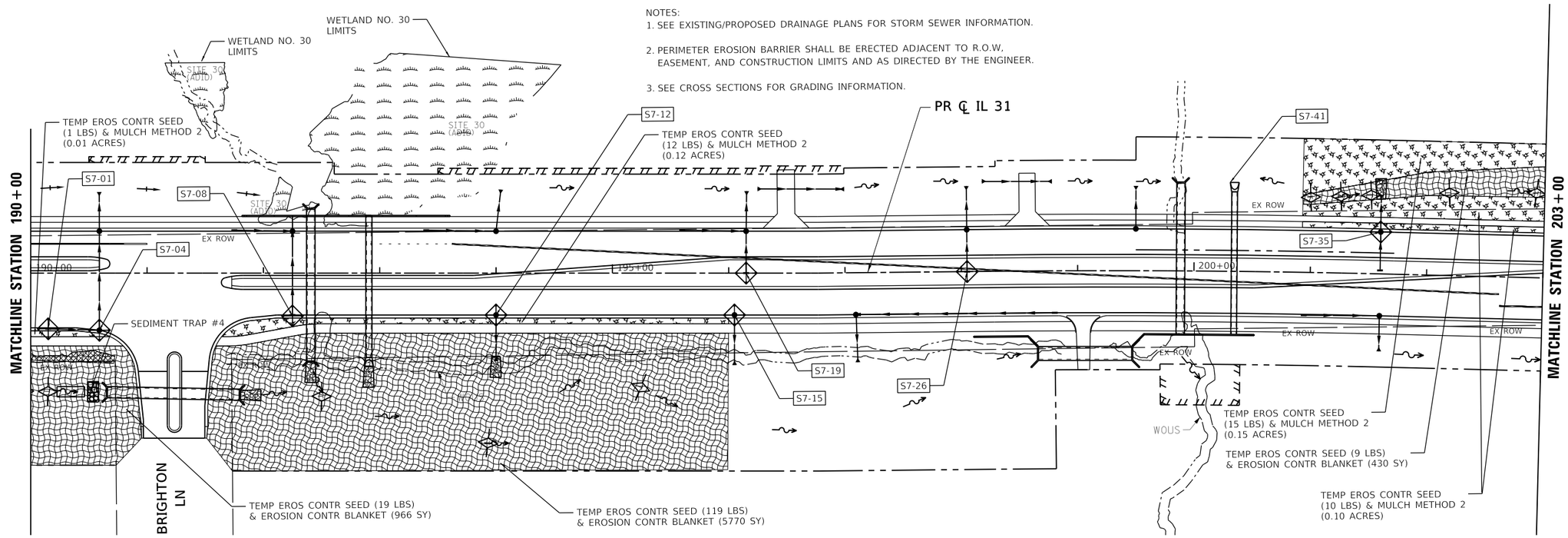
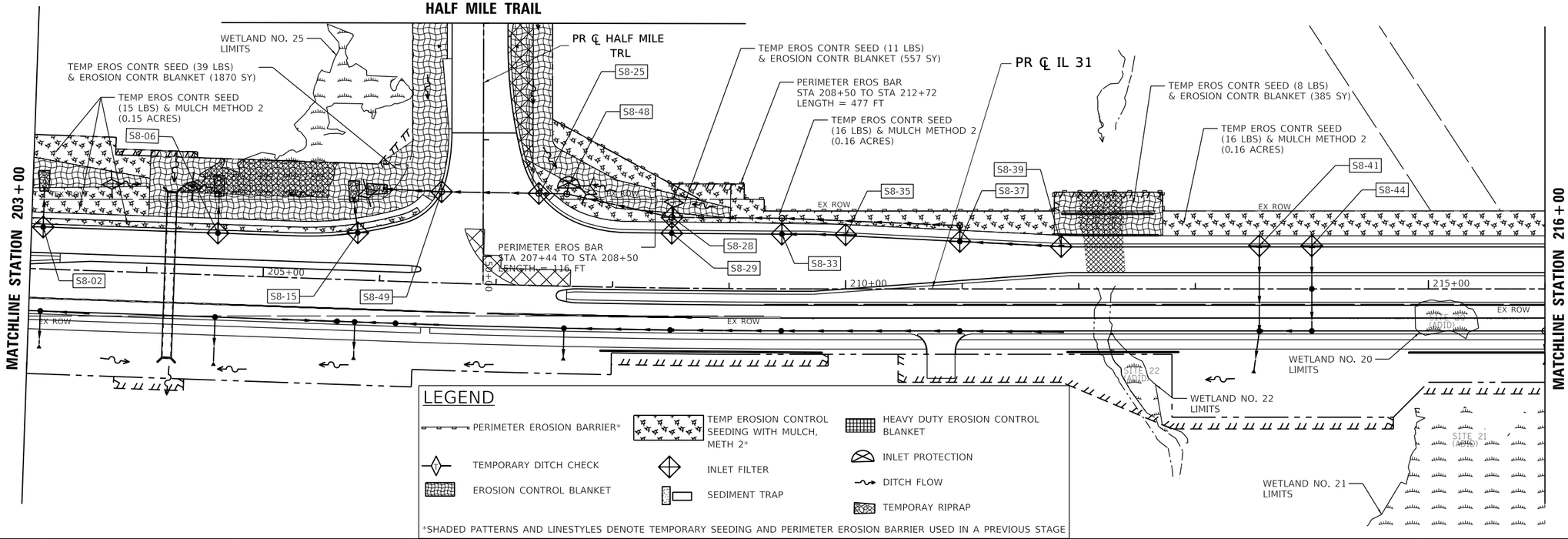
NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.





LEGEND

- PERIMETER EROSION BARRIER*
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- INLET FILTER
- SEDIMENT TRAP
- HEAVY DUTY EROSION CONTROL BLANKET
- INLET PROTECTION
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

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TransLand Engineering Group

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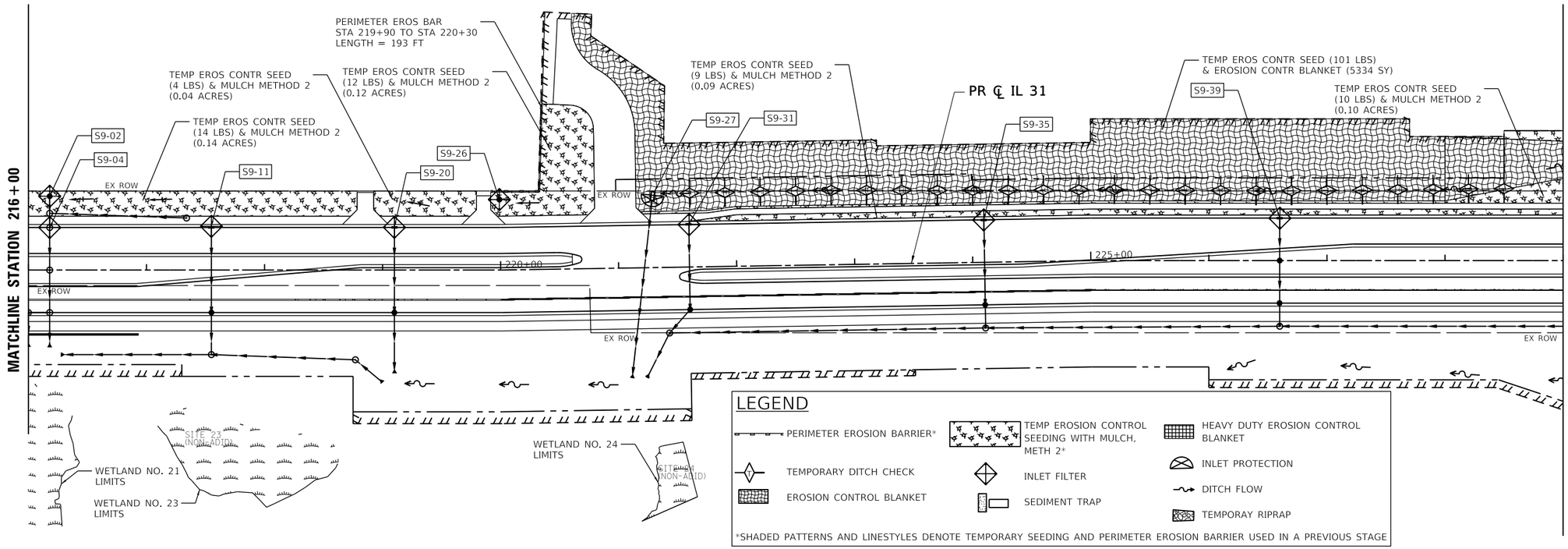
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

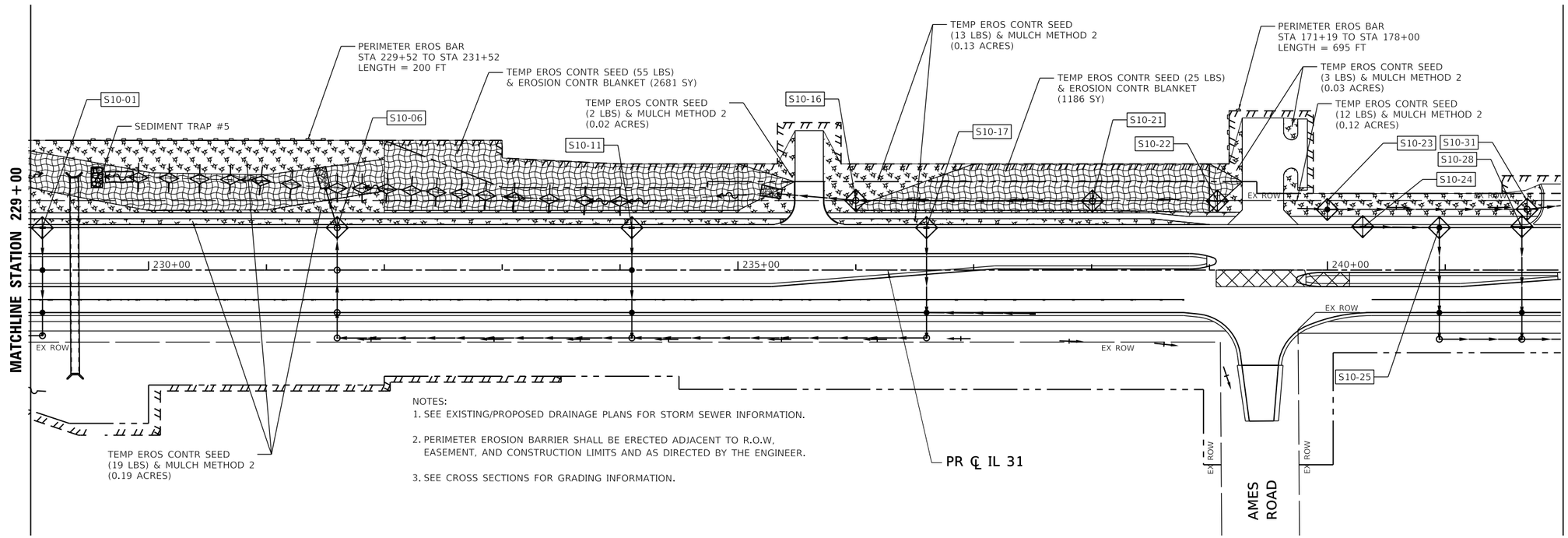
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 13 SHEETS | STA. 190+00 TO STA. 216+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	322
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.

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TransLand Engineering Group

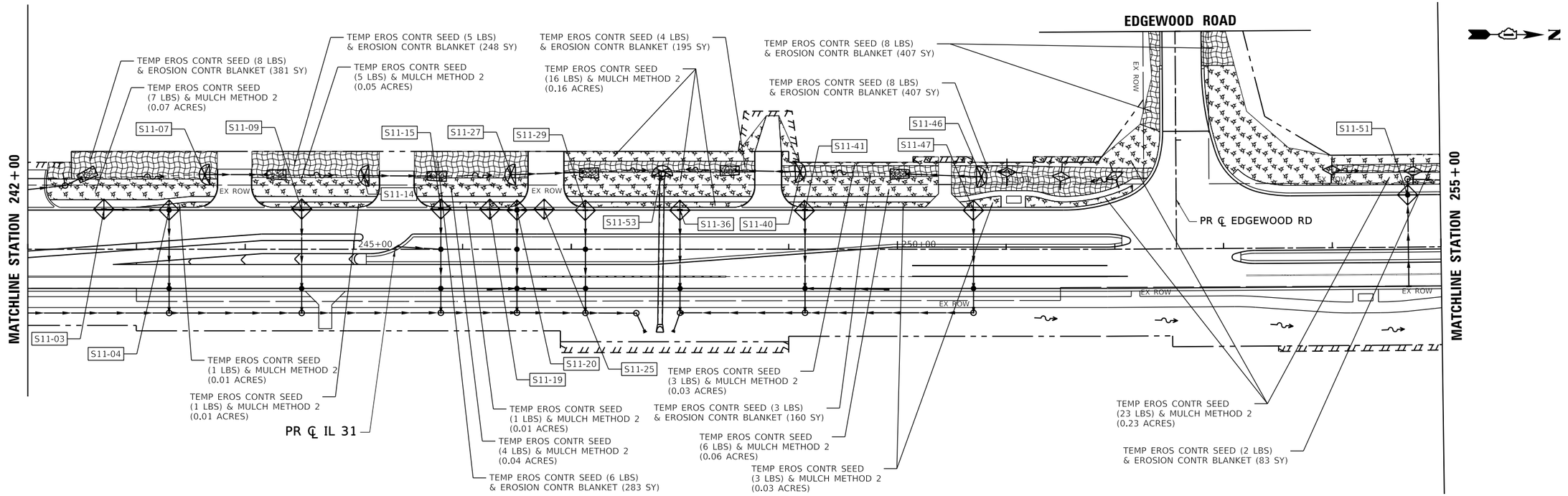
USER NAME = eboelter	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 13 SHEETS | STA. 216+00 TO STA. 242+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	323
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.

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TransLand Engineering Group

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PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

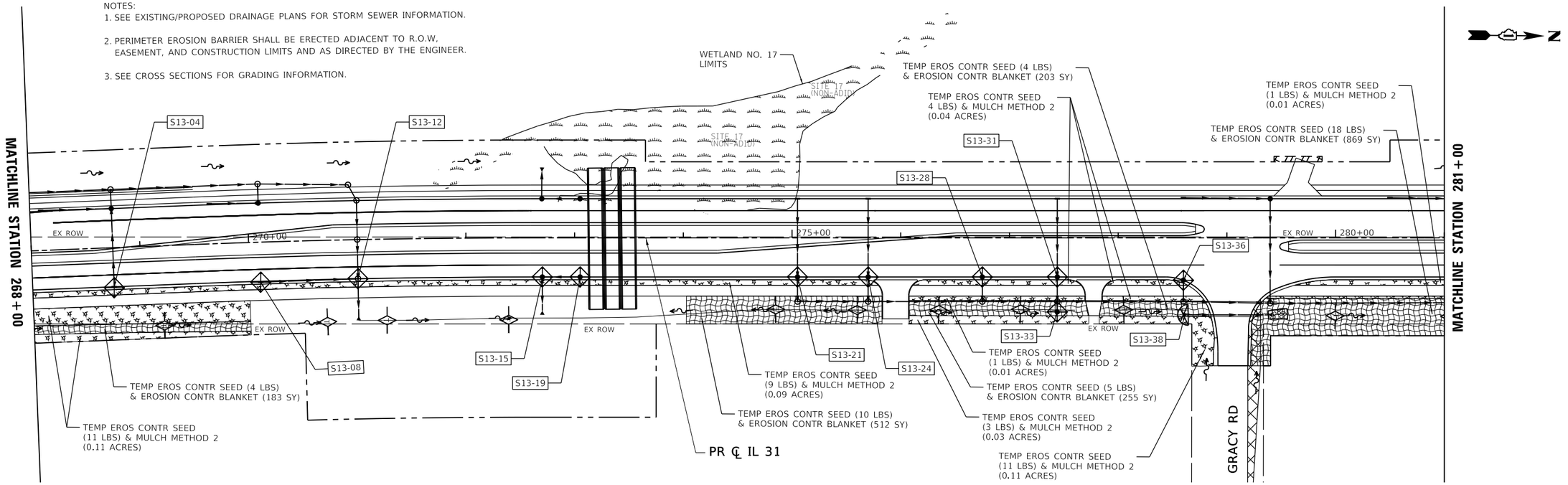
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

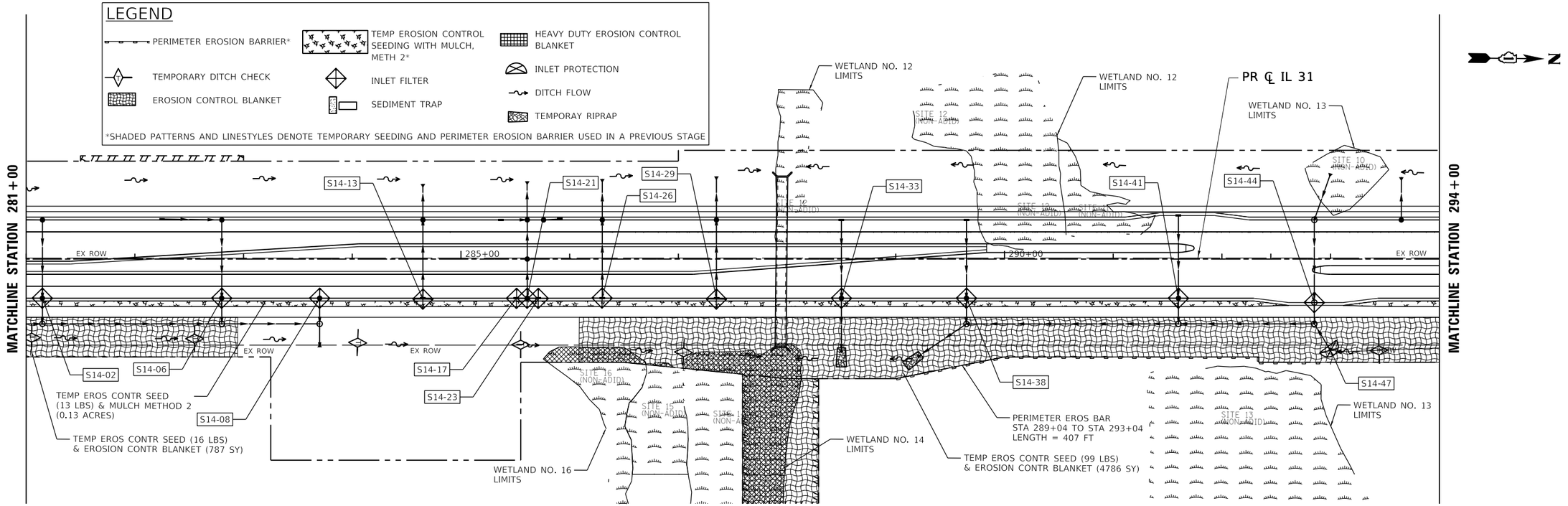
EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 13 SHEETS | STA. 242+00 TO STA. 268+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	324
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.





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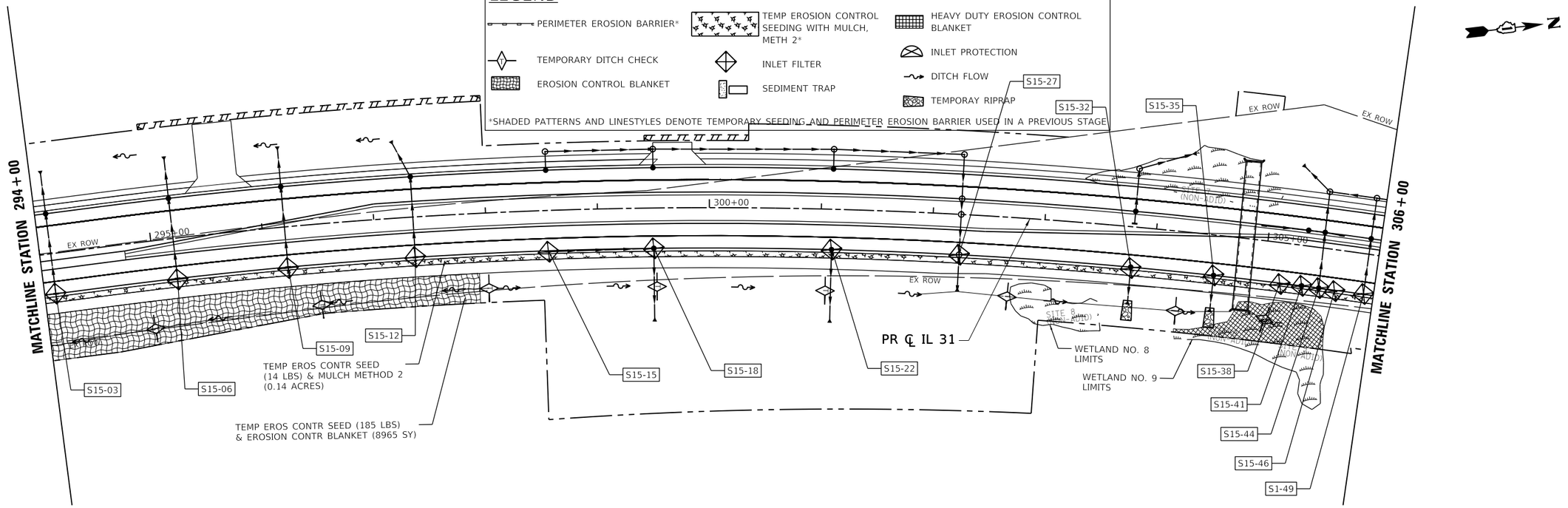
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

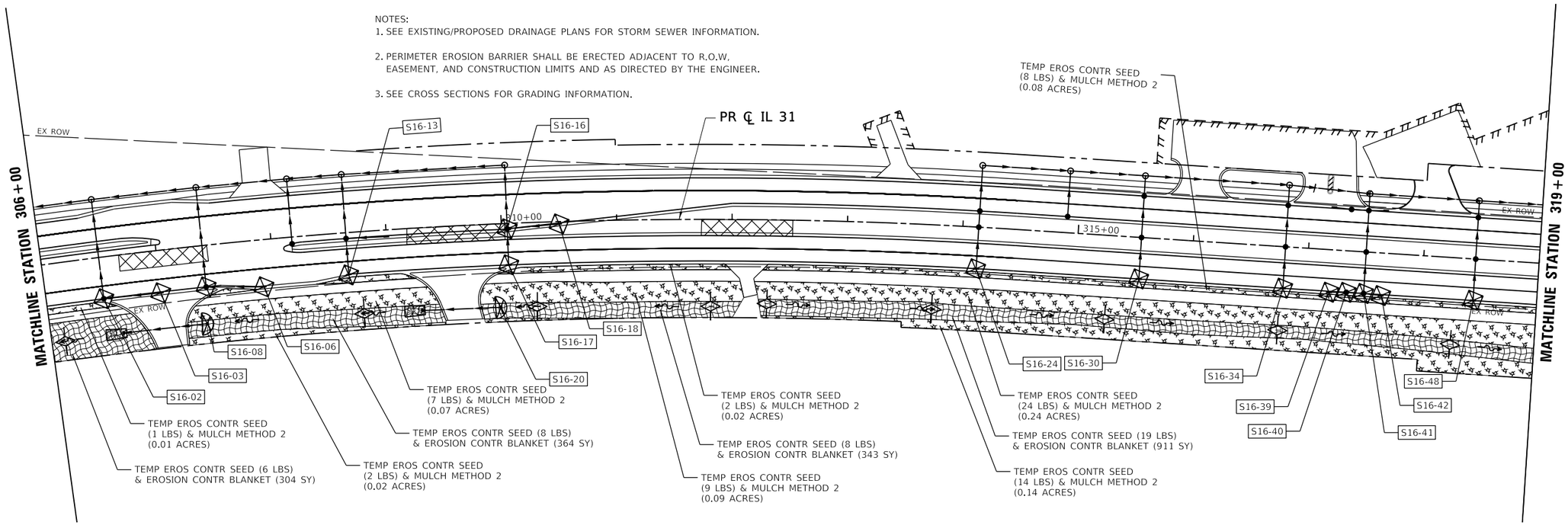
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 13 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	325
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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TransLand Engineering Group

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PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

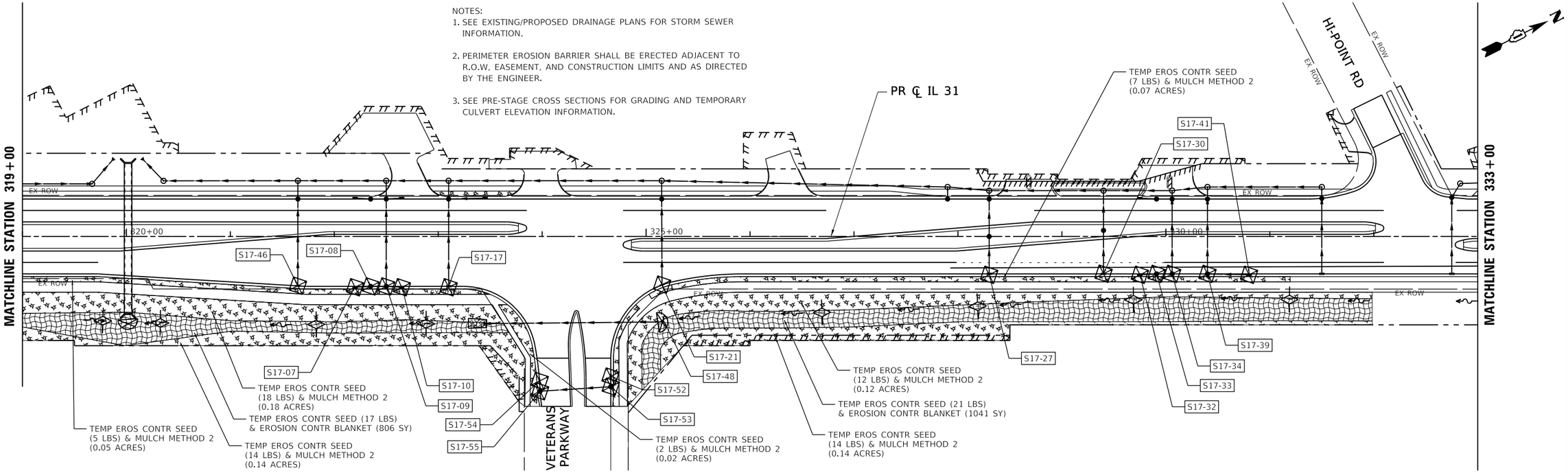
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

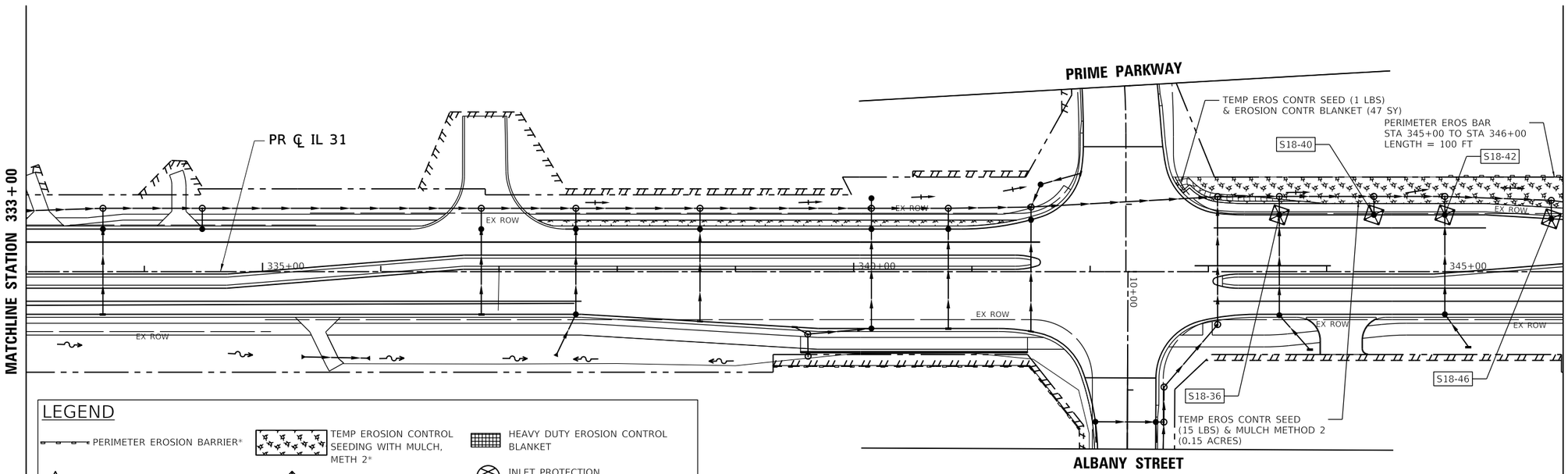
EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 13 SHEETS | STA. 294+00 TO STA. 319+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	326
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.





LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

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TransLand Engineering Group

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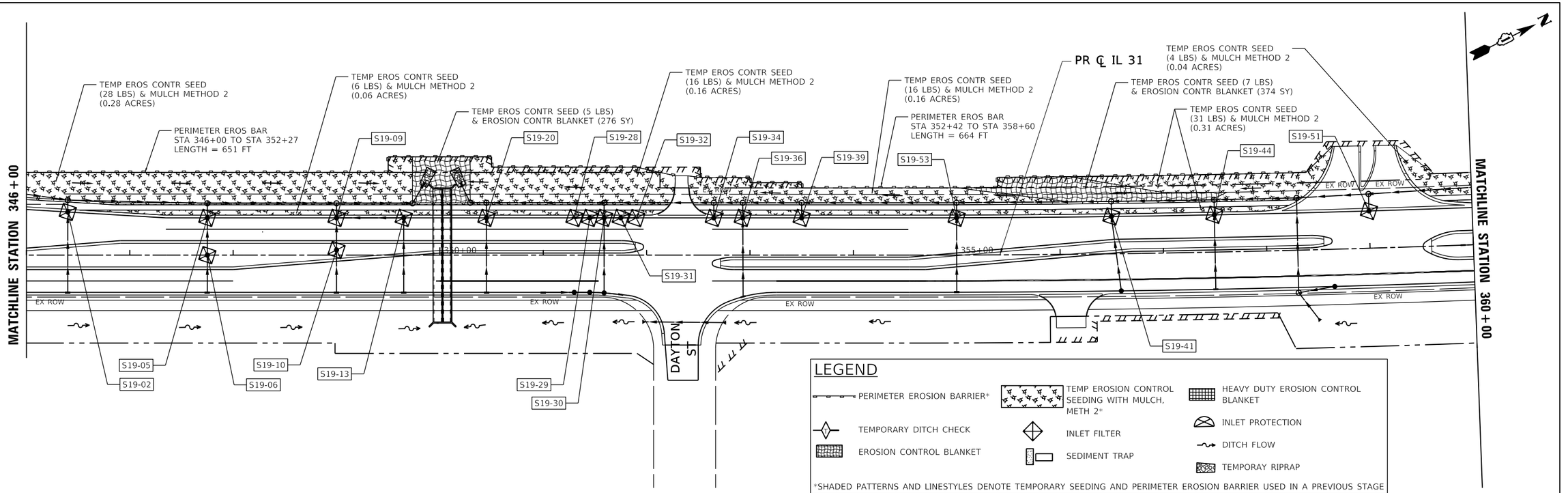
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

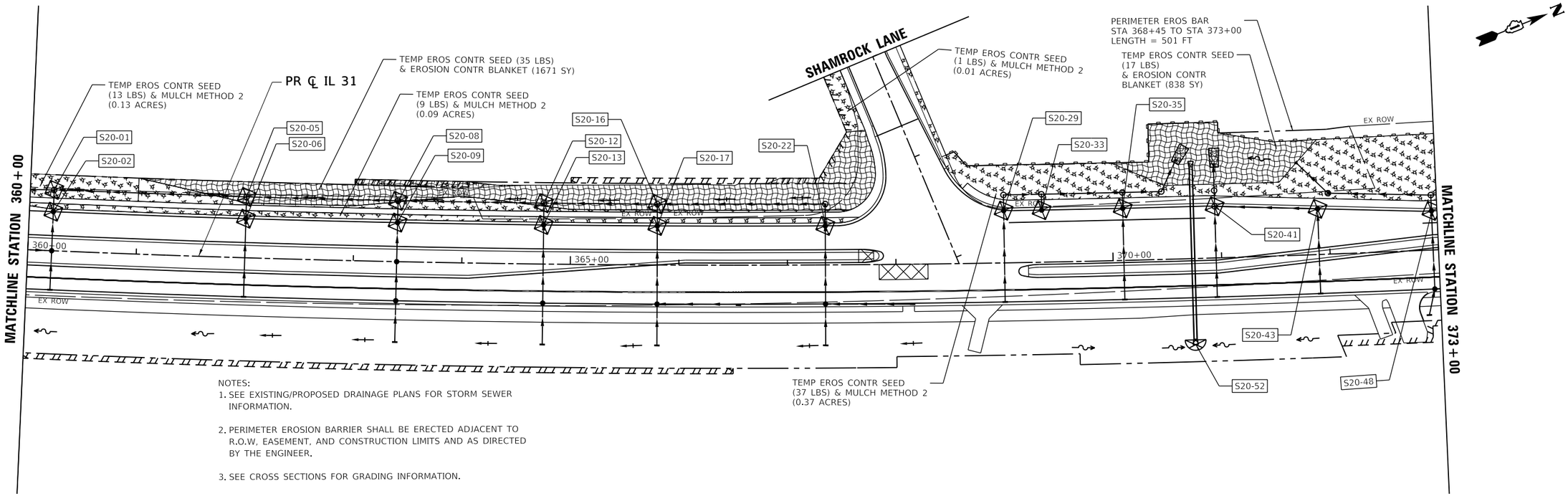
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 13 SHEETS | STA. 319+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	327
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.

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TransLand Engineering Group

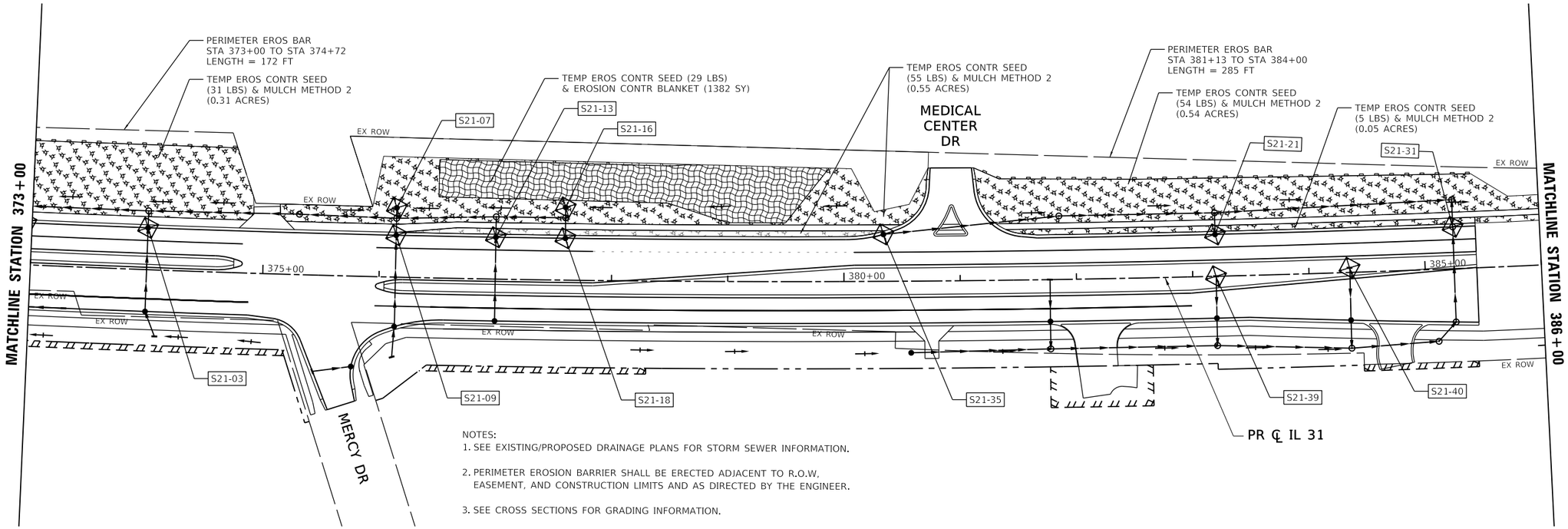
USER NAME = eboelter	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

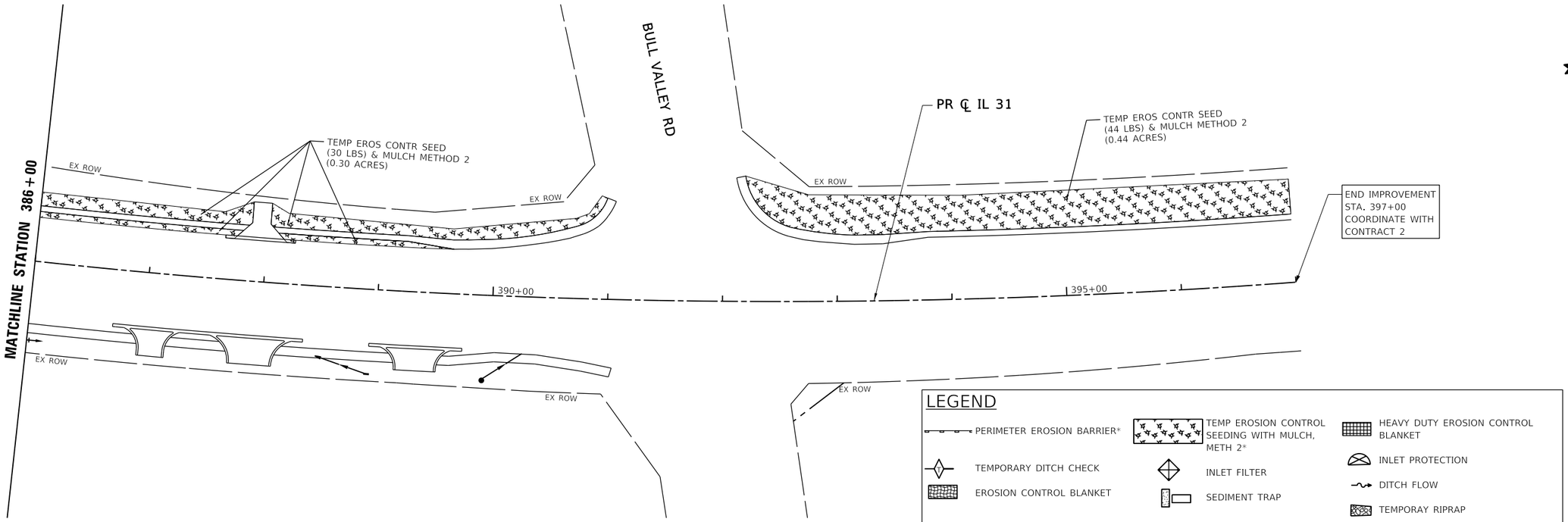
EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 13 SHEETS | STA. 346+00 TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	328
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.



LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

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TransLand Engineering Group

USER NAME = eboelter	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

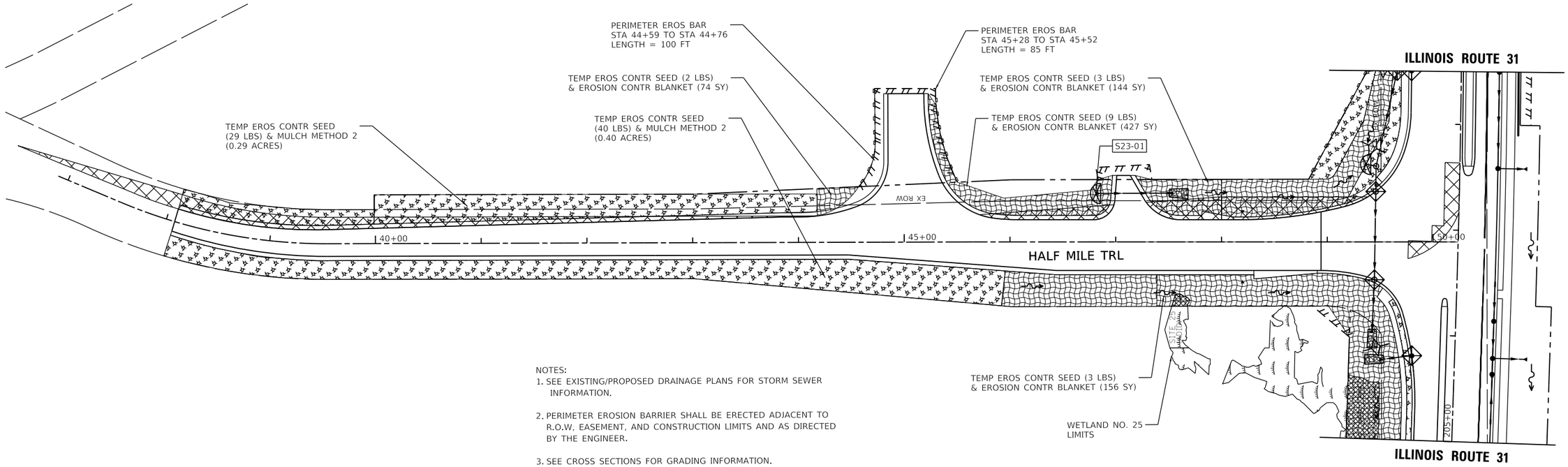
EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 13 SHEETS | STA. 373+00 TO STA. 397+00

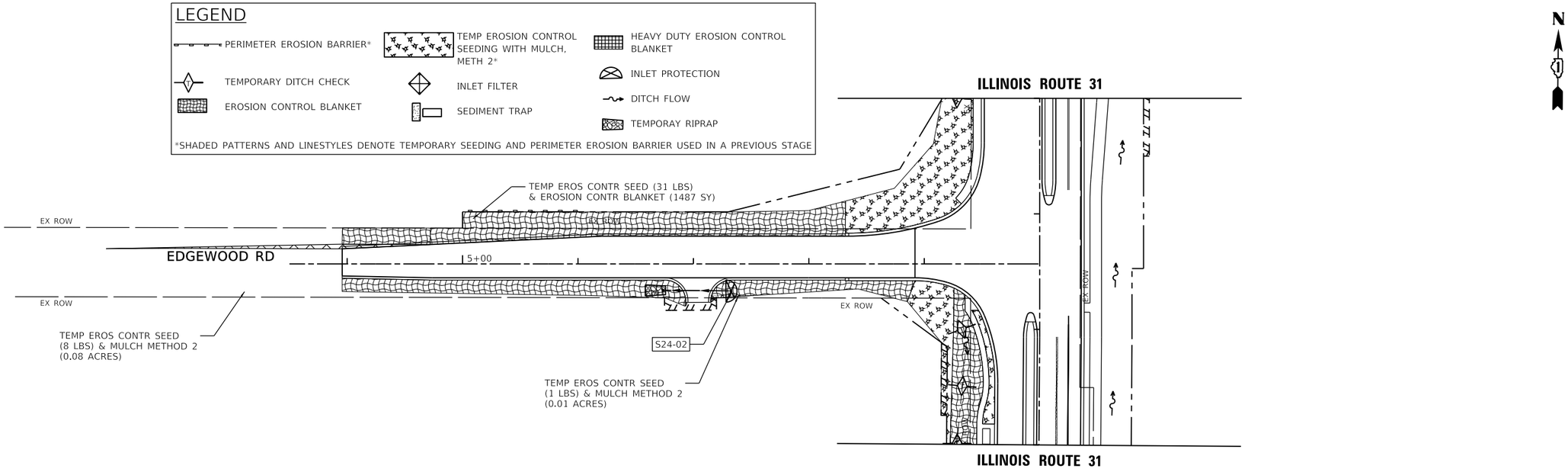
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	329

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.



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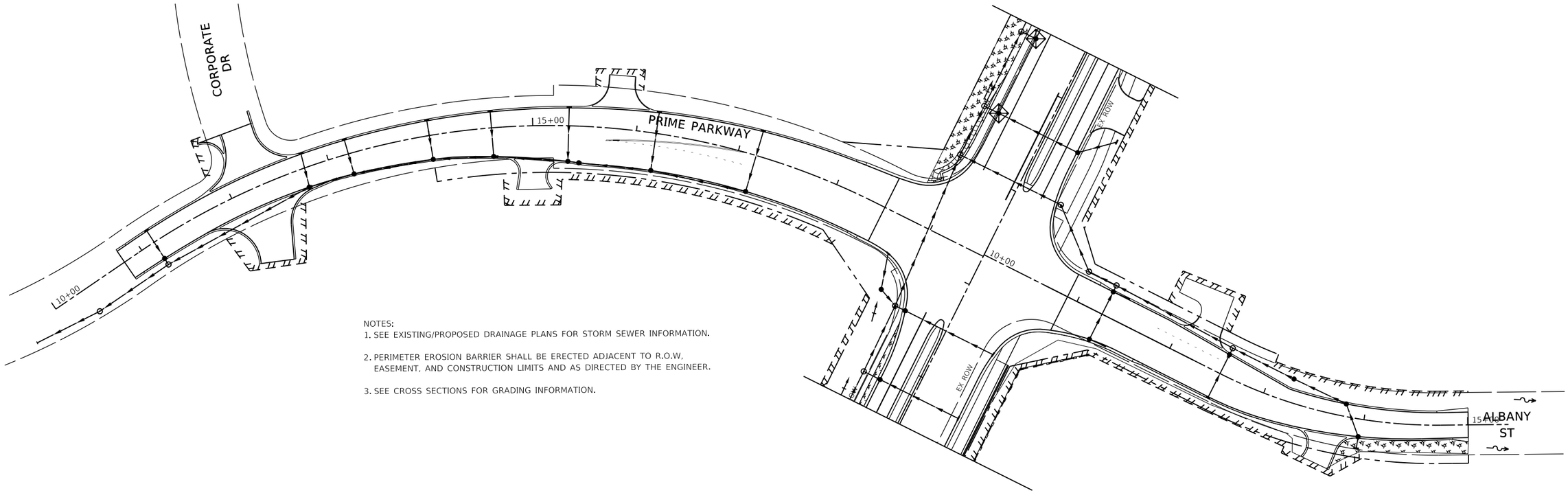
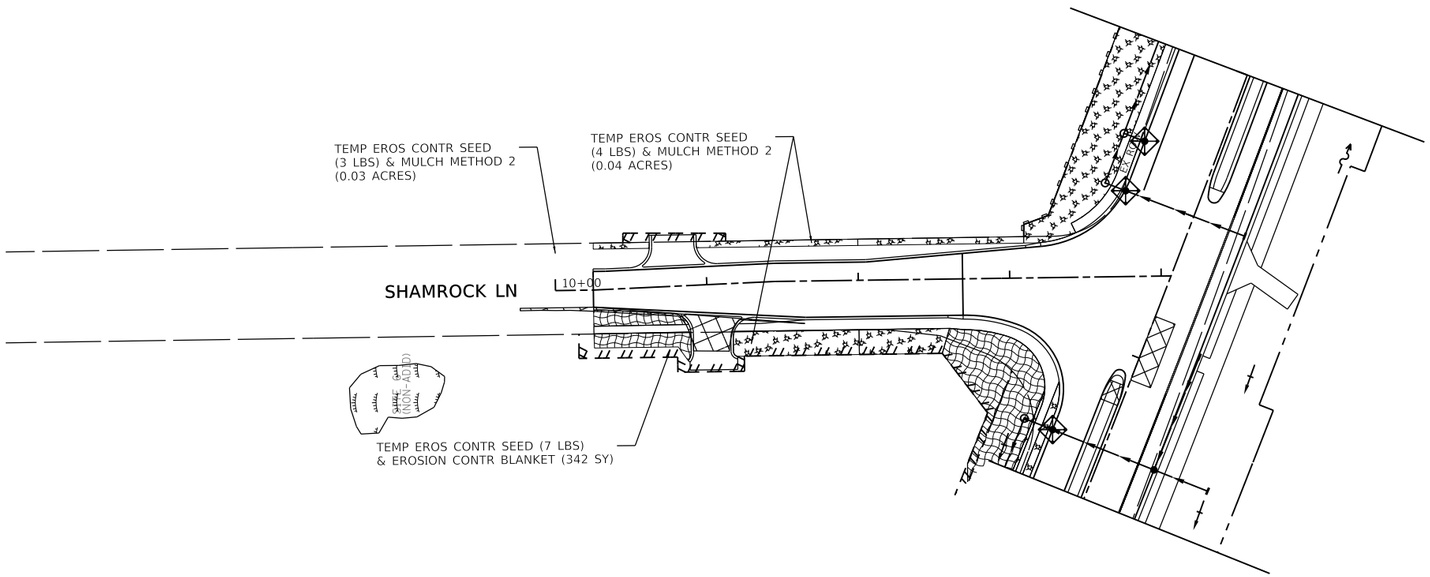
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL STAGE 2 PLAN HALF MILE TRAIL /EDGEWOOD ROAD
		DRAWN - TRANS	REVISED -		
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -		
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 12 OF 13 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	330
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.



N

LEGEND

- PERIMETER EROSION BARRIER*
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- INLET FILTER
- SEDIMENT TRAP
- HEAVY DUTY EROSION CONTROL BLANKET
- INLET PROTECTION
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

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TransLand Engineering Group

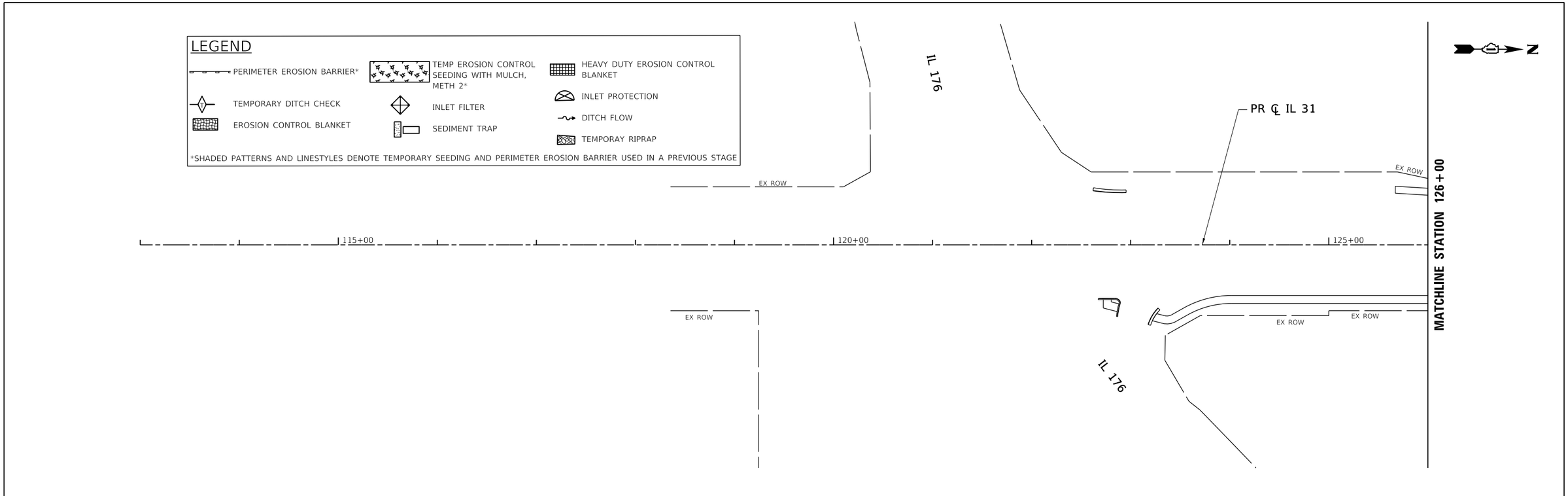
USER NAME = eboelter	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 2 PLAN
PRIME PRKWY /ALBANY ST & SHAMROCK LN

SCALE: 1"=50' | SHEET 13 OF 13 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	331
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.

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TransLand Engineering Group

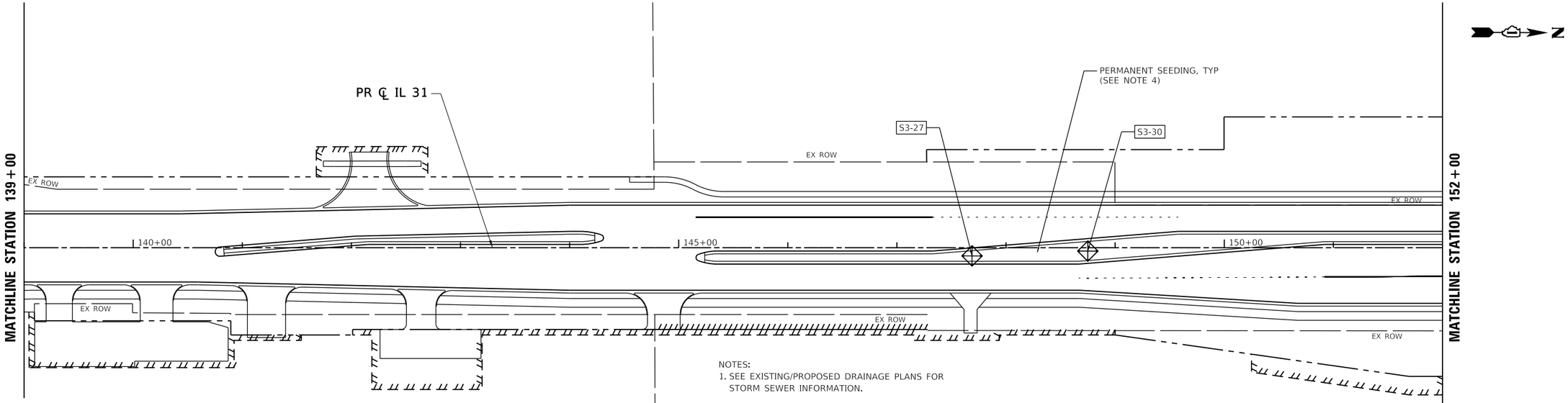
USER NAME = eboelter	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

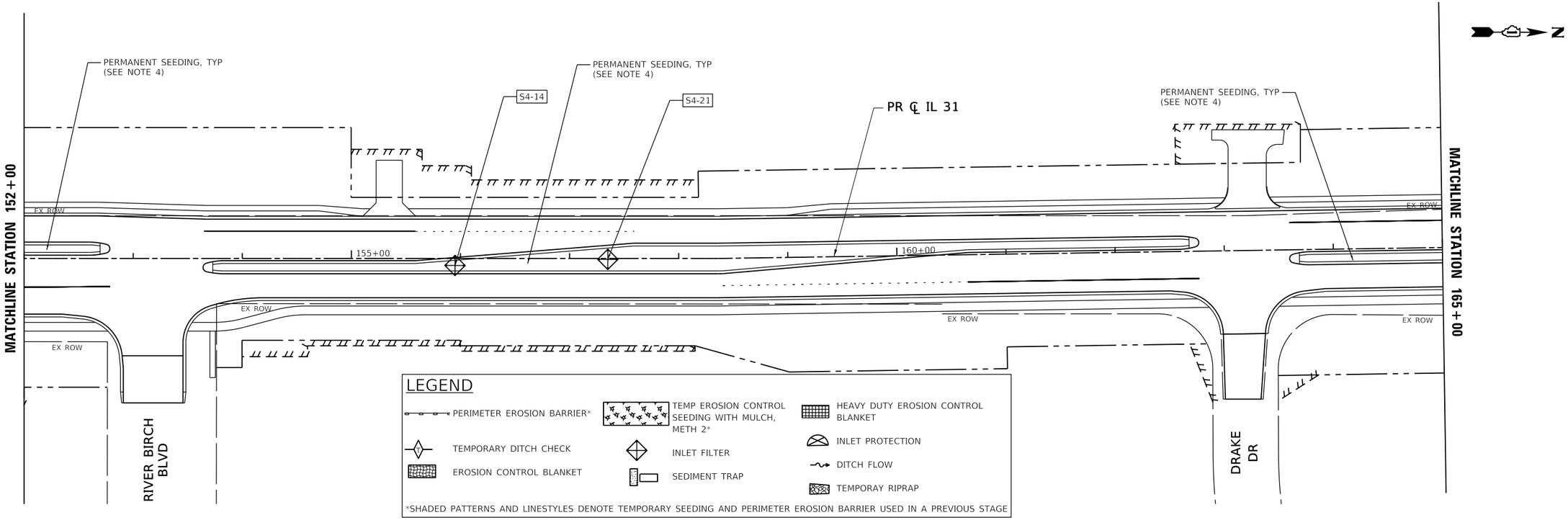
EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 13 SHEETS | STA. 113+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	332
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.



LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

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TransLand Engineering Group

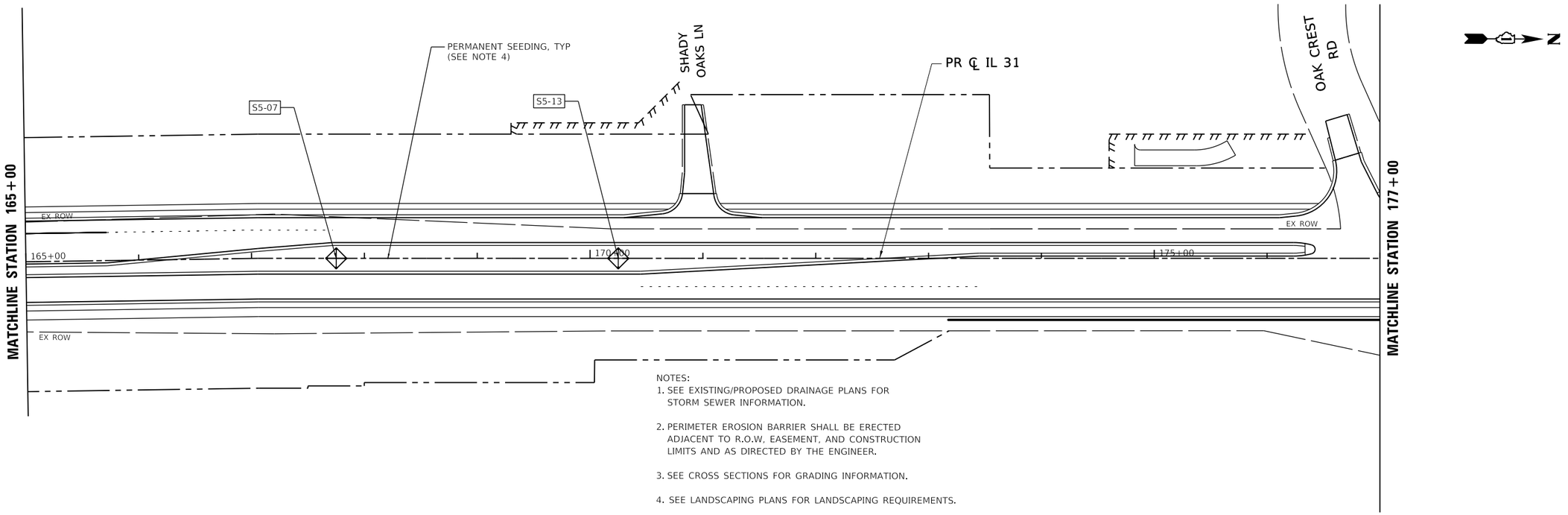
USER NAME = eboelter	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

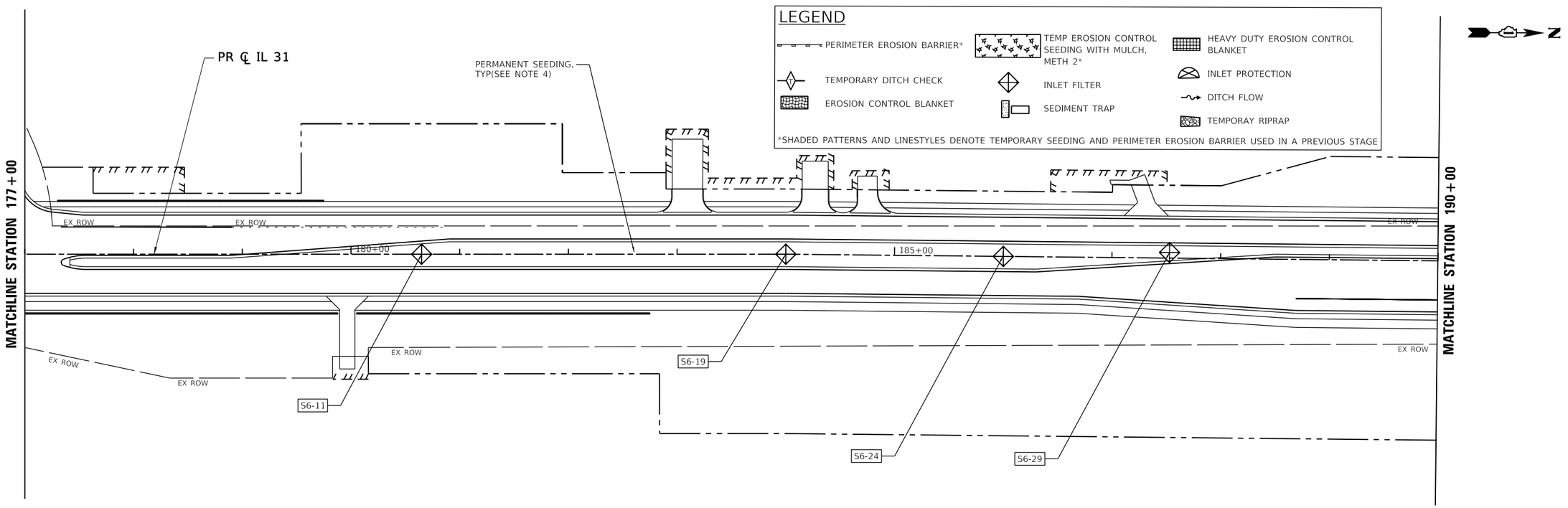
EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 13 SHEETS | STA. 139+00 TO STA. 165+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	333
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.



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TransLand Engineering Group

USER NAME = eboelter	DESIGNED - TRANS	REVISED -
	DRAWN - TRANS	REVISED -
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

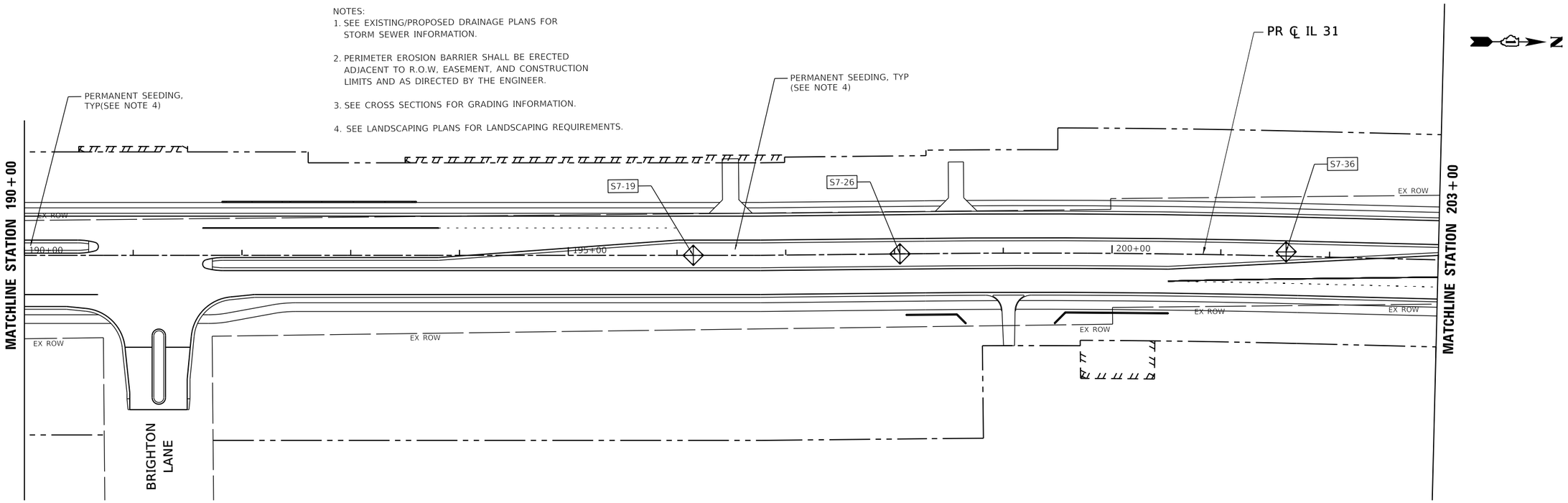
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

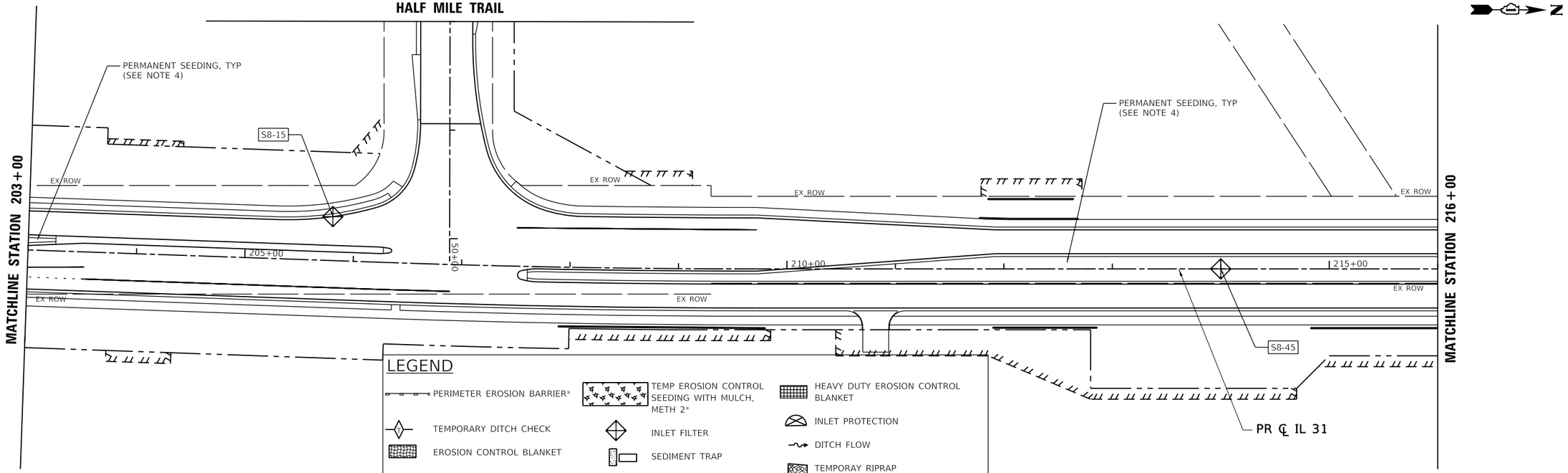
EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 13 SHEETS | STA. 165+00 | TO STA. 190+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	334
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.





*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

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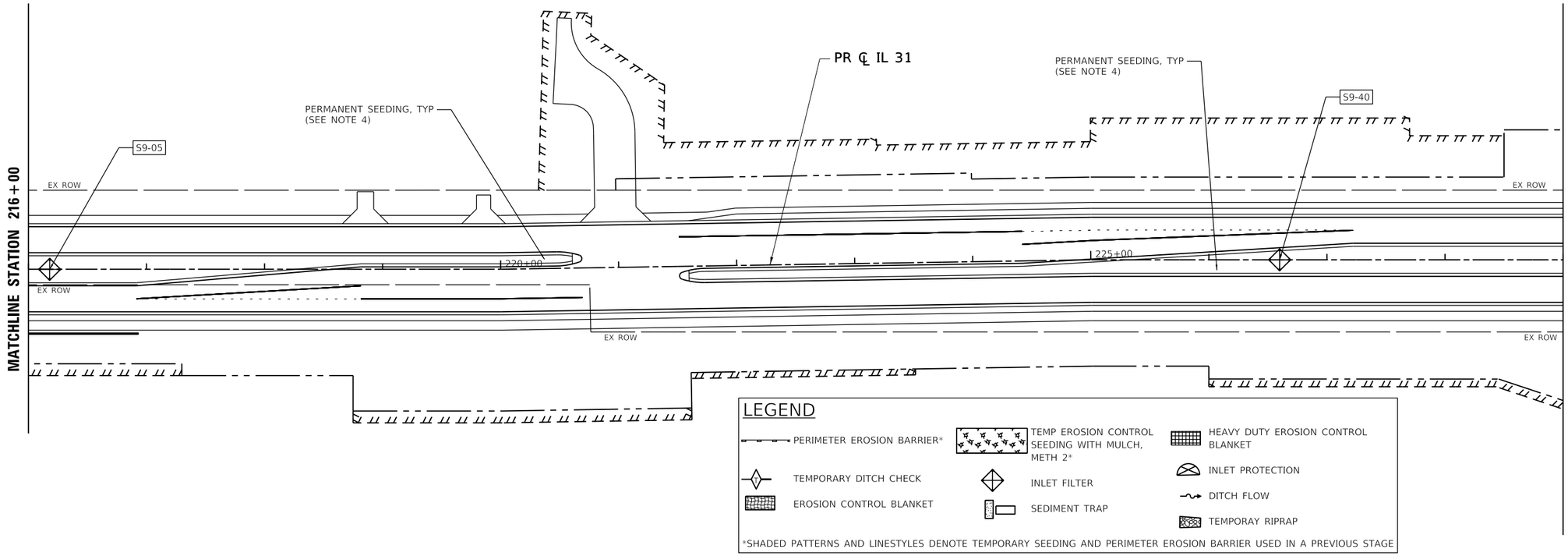
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -
		DRAWN - TRANS	REVISED -
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

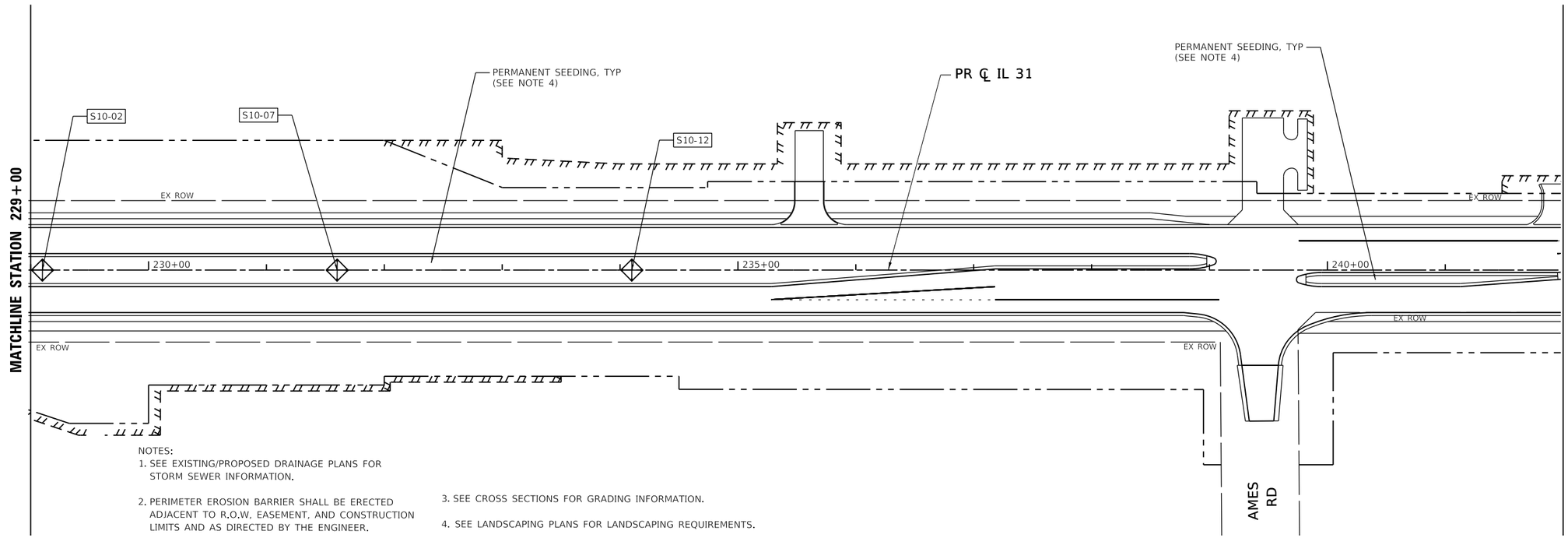
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 13 SHEETS | STA. 190+00 TO STA. 216+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	335
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.

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TransLand Engineering Group

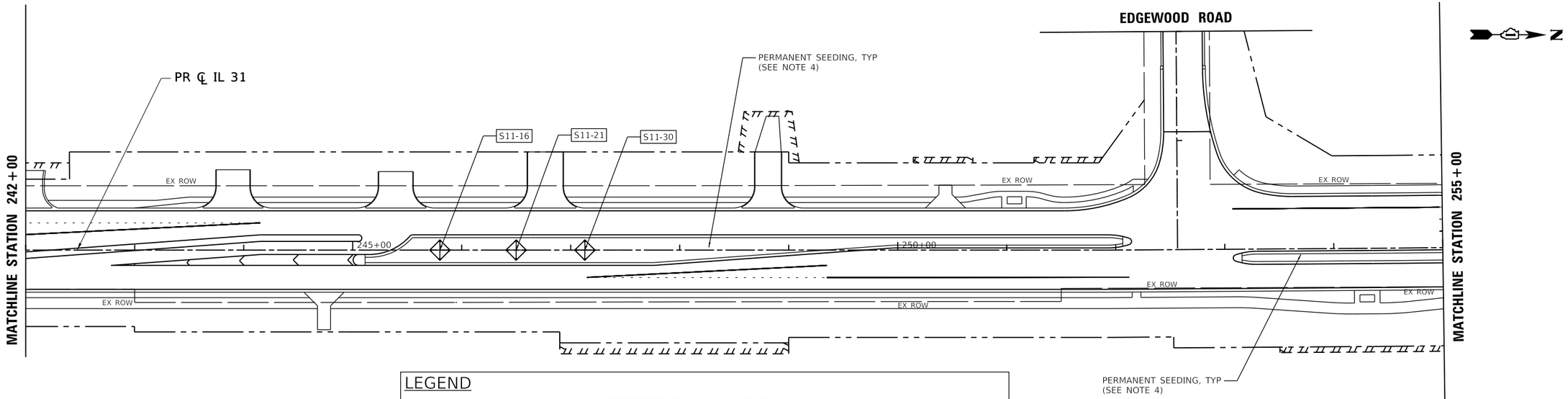
USER NAME = eboelter	DESIGNED - TRANS	REVISED -
	DRAWN - TRANS	REVISED -
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 13 SHEETS | STA. 216+00 TO STA. 242+00

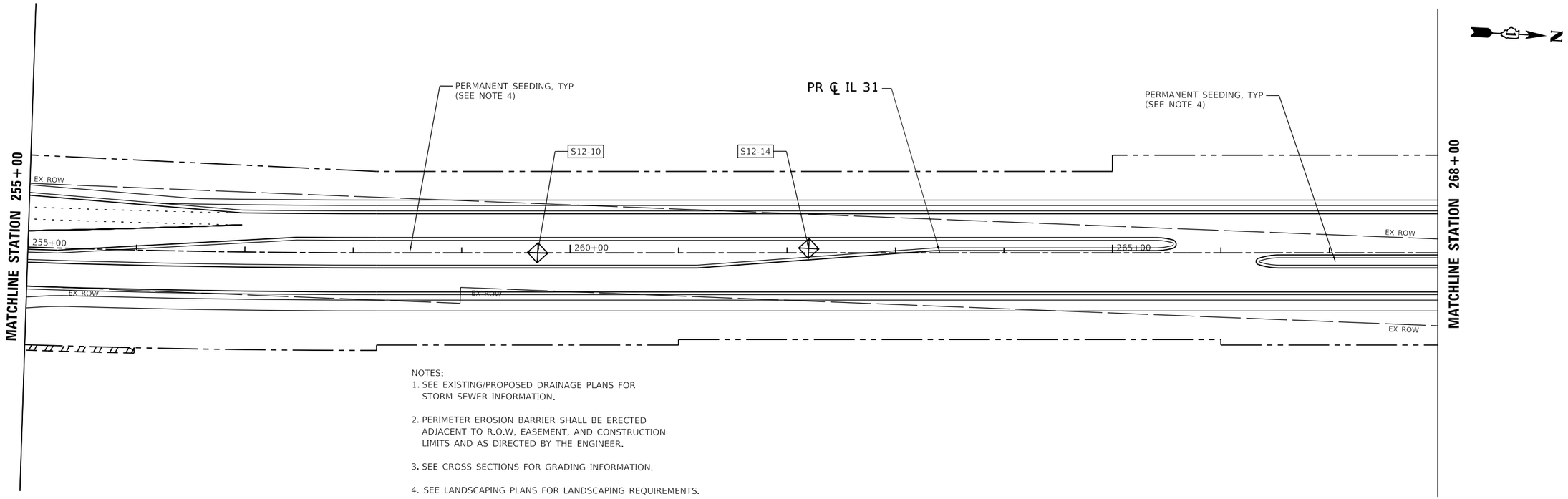
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	336
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.

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TransLand Engineering Group

USER NAME = eboelter	DESIGNED - TRANS	REVISED -
	DRAWN - TRANS	REVISED -
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 13 SHEETS | STA. 242+00 TO STA. 268+00

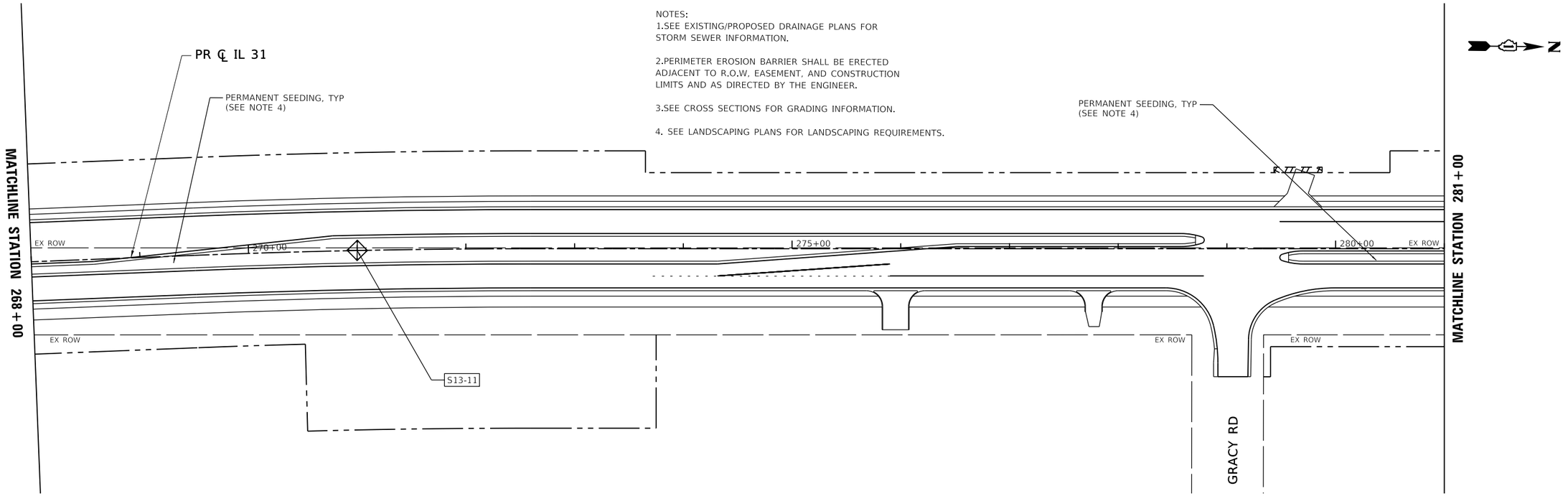
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	337
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

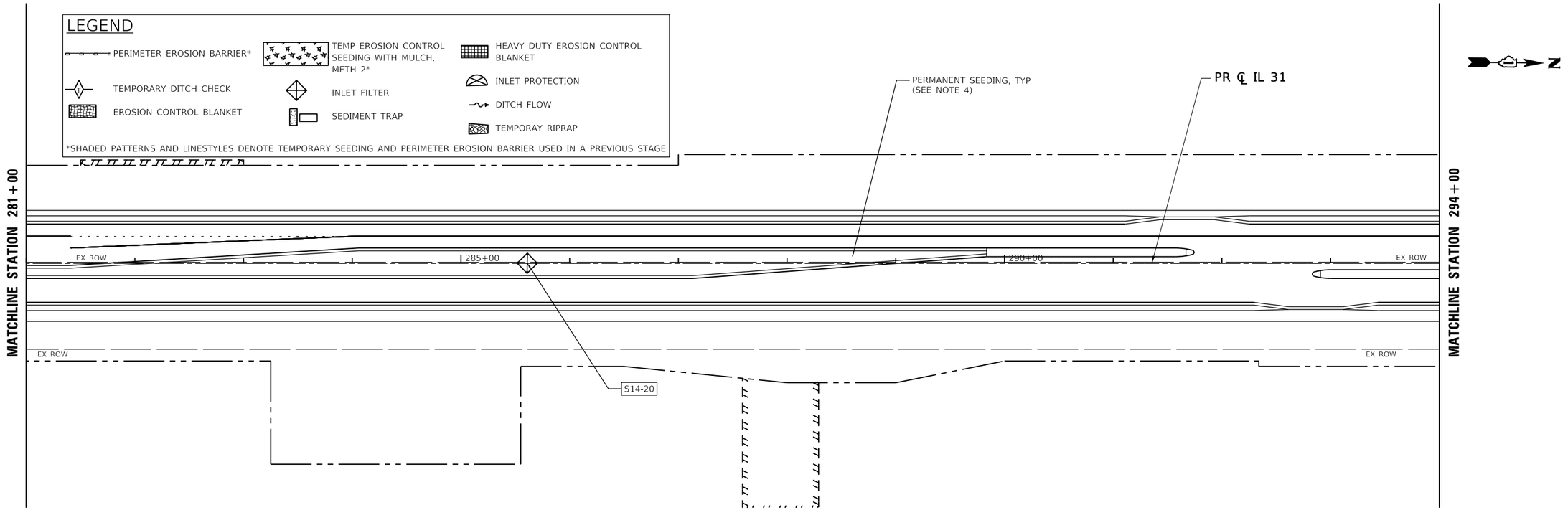
NOTES:
1.SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.

2.PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.

3.SEE CROSS SECTIONS FOR GRADING INFORMATION.

4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.





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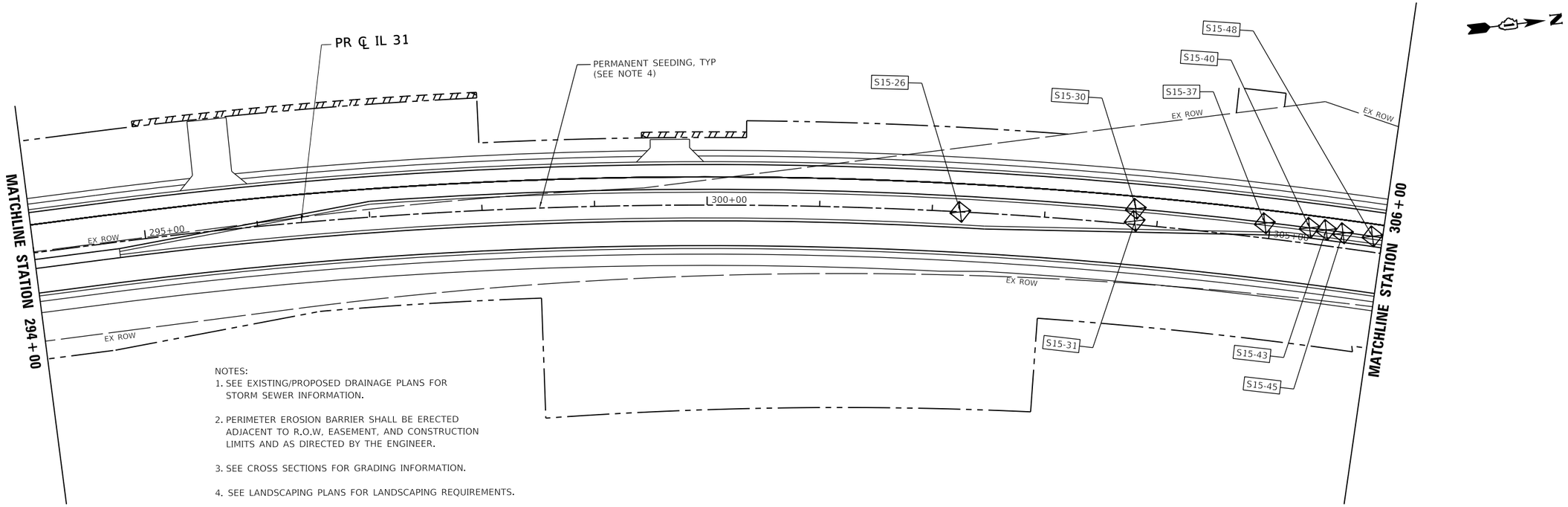
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -
		DRAWN - TRANS	REVISED -
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

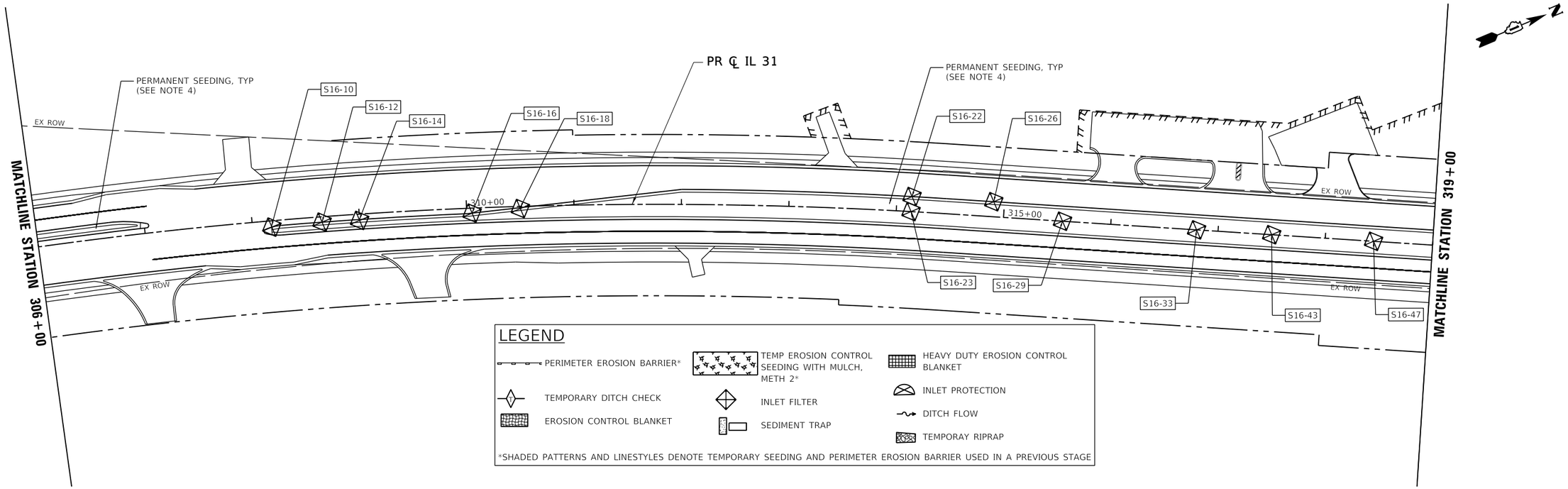
EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 13 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	338
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.



LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

MODEL: Default
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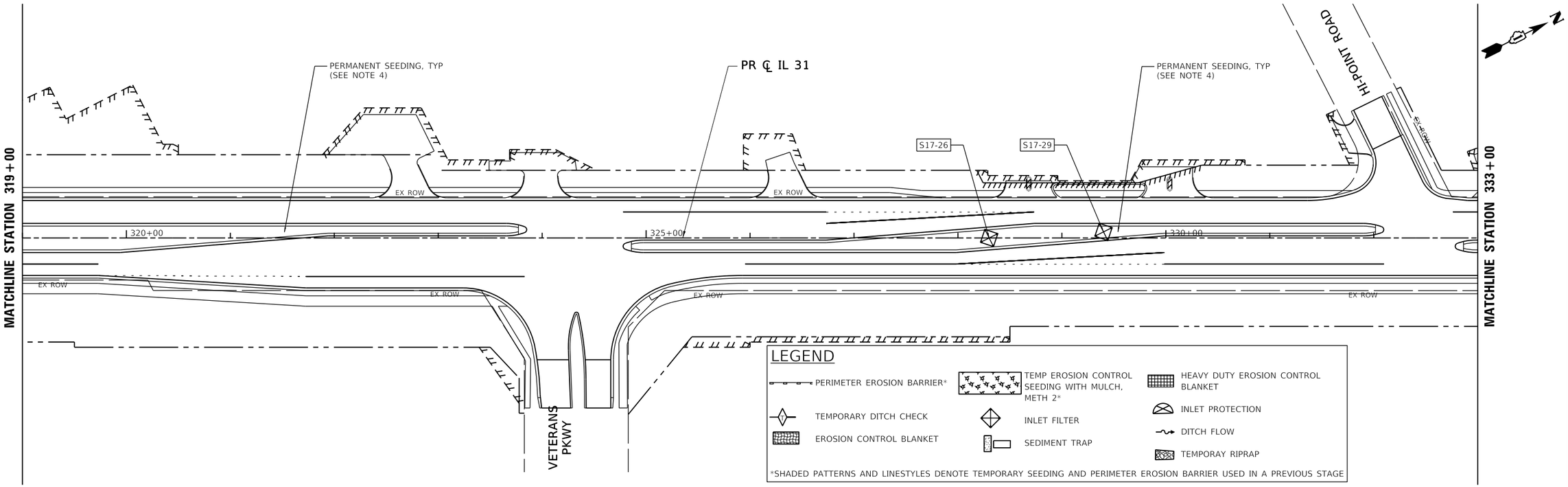
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -
		DRAWN - TRANS	REVISED -
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

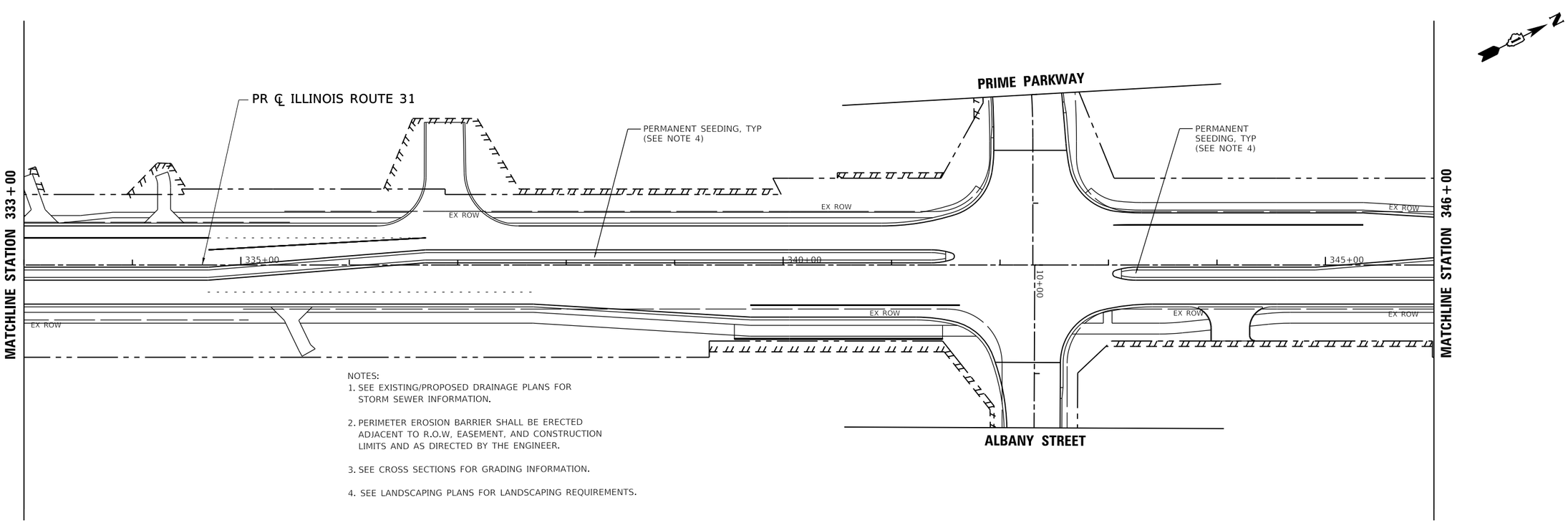
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 13 SHEETS | STA. 294+00 TO STA. 319+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	339
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.

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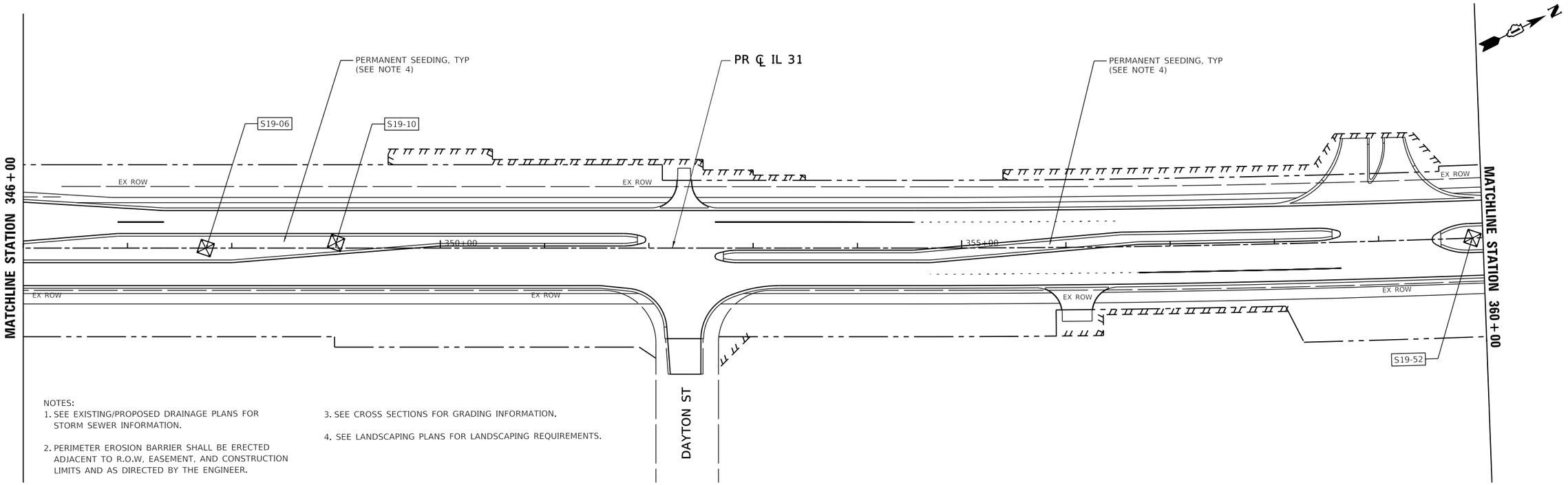
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -
		DRAWN - TRANS	REVISED -
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

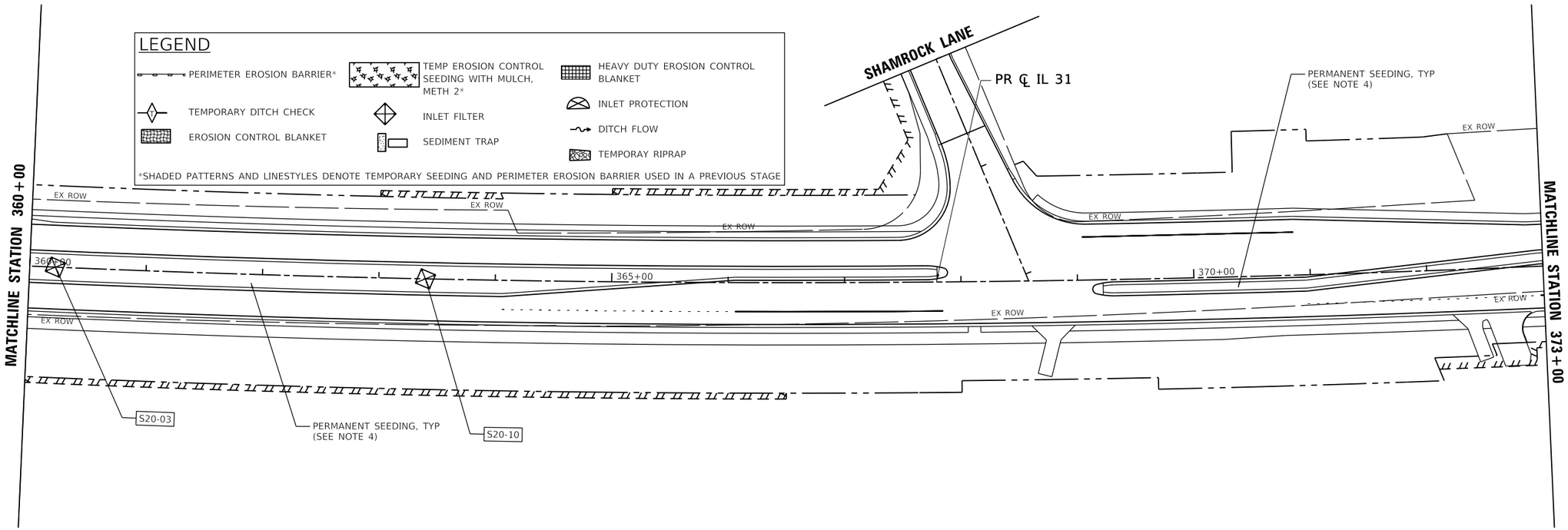
EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 13 SHEETS | STA. 319+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	340
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.



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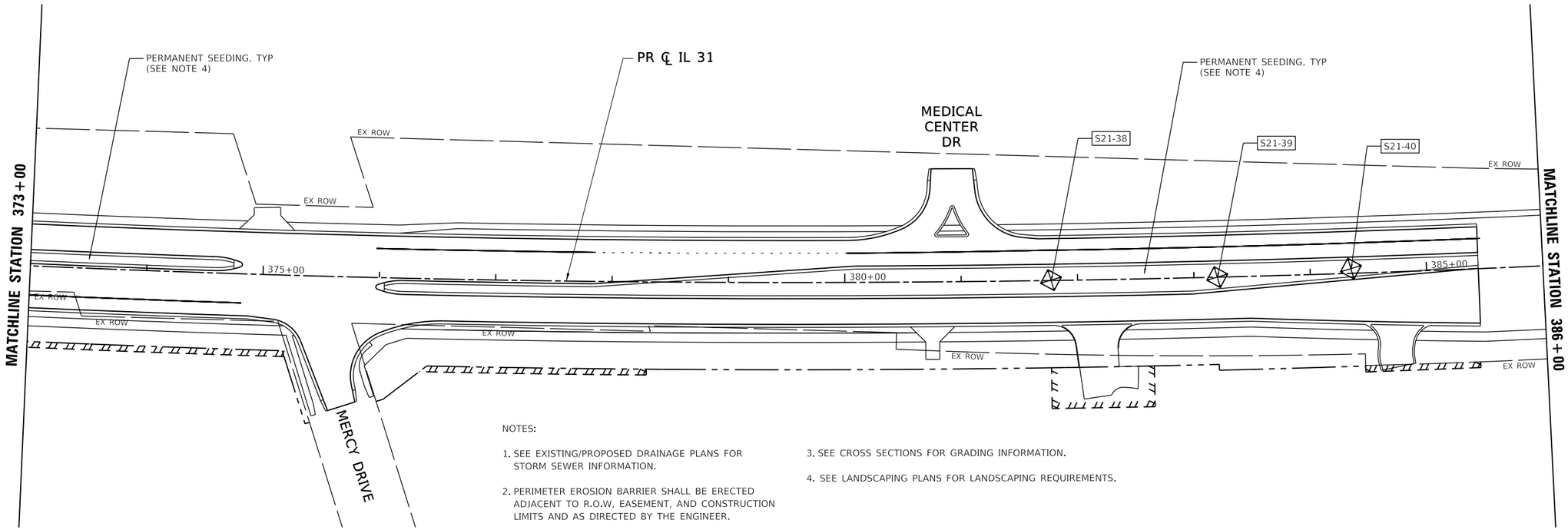
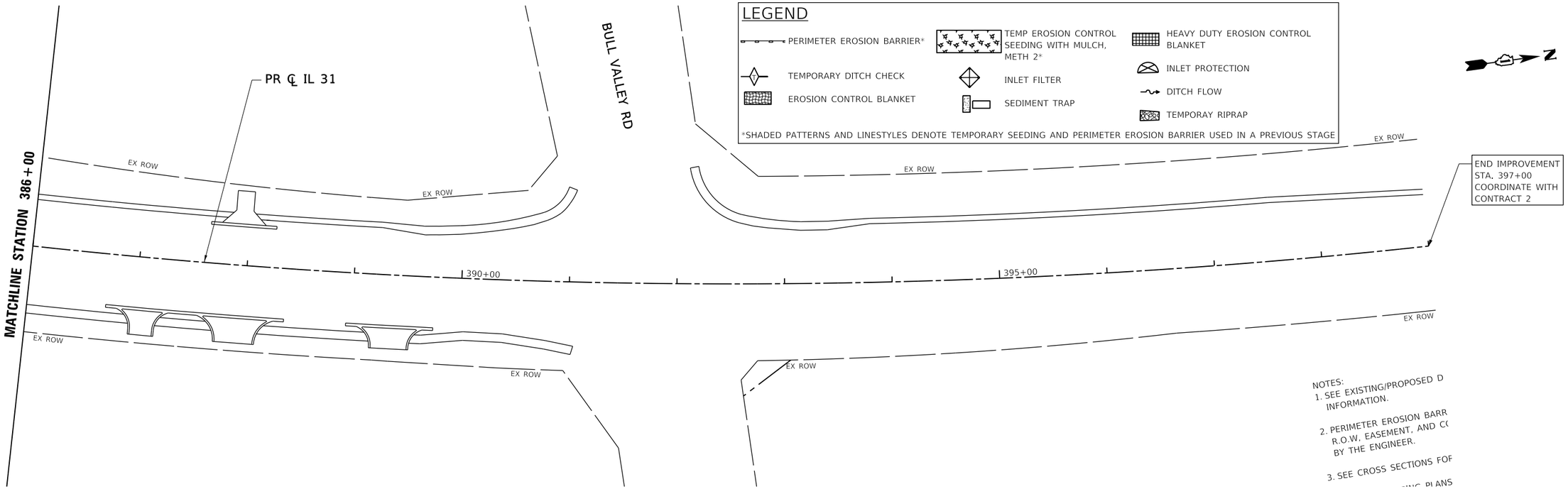
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL STAGE 3 PLAN ILLINOIS ROUTE 31
		DRAWN - TRANS	REVISED -		
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -		
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 10 OF 13 SHEETS STA. 346+00 TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	341
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
3. SEE CROSS SECTIONS FOR GRADING INFORMATION.
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.



LEGEND

- PERIMETER EROSION BARRIER*
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- INLET FILTER
- SEDIMENT TRAP
- HEAVY DUTY EROSION CONTROL BLANKET
- INLET PROTECTION
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

NOTES:
1. SEE EXISTING/PROPOSED D
INFORMATION.
2. PERIMETER EROSION BARR
R.O.W, EASEMENT, AND C(
BY THE ENGINEER.
3. SEE CROSS SECTIONS FOF
PLANS

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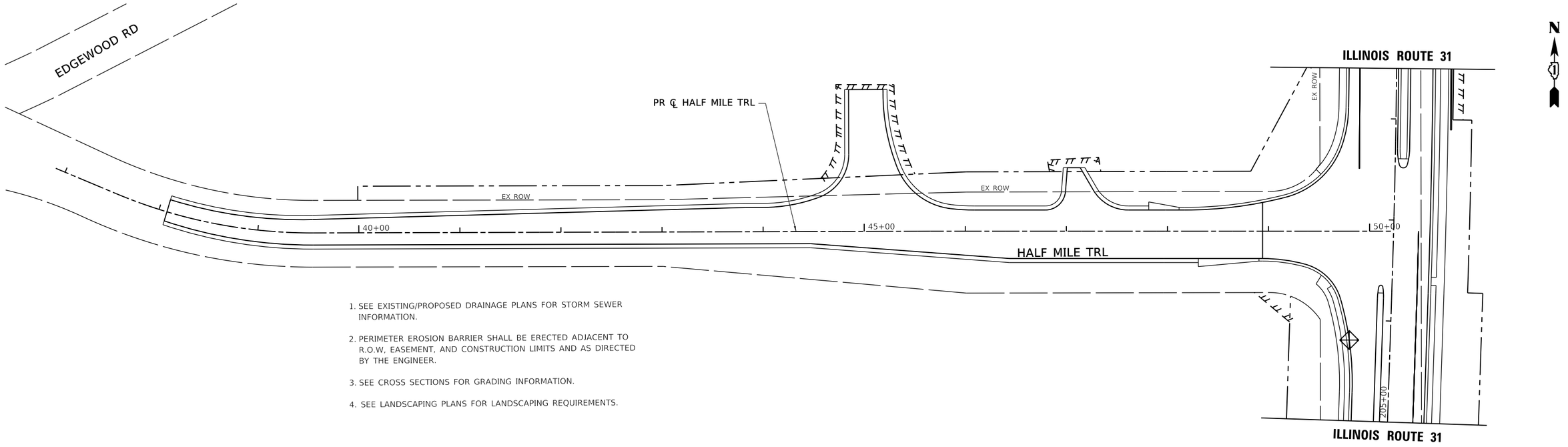
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL STAGE 3 PLAN ILLINOIS ROUTE 31
		DRAWN - TRANS	REVISED -		
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -		
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 11 OF 13 SHEETS STA. 373+00 TO STA. 397+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	342
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
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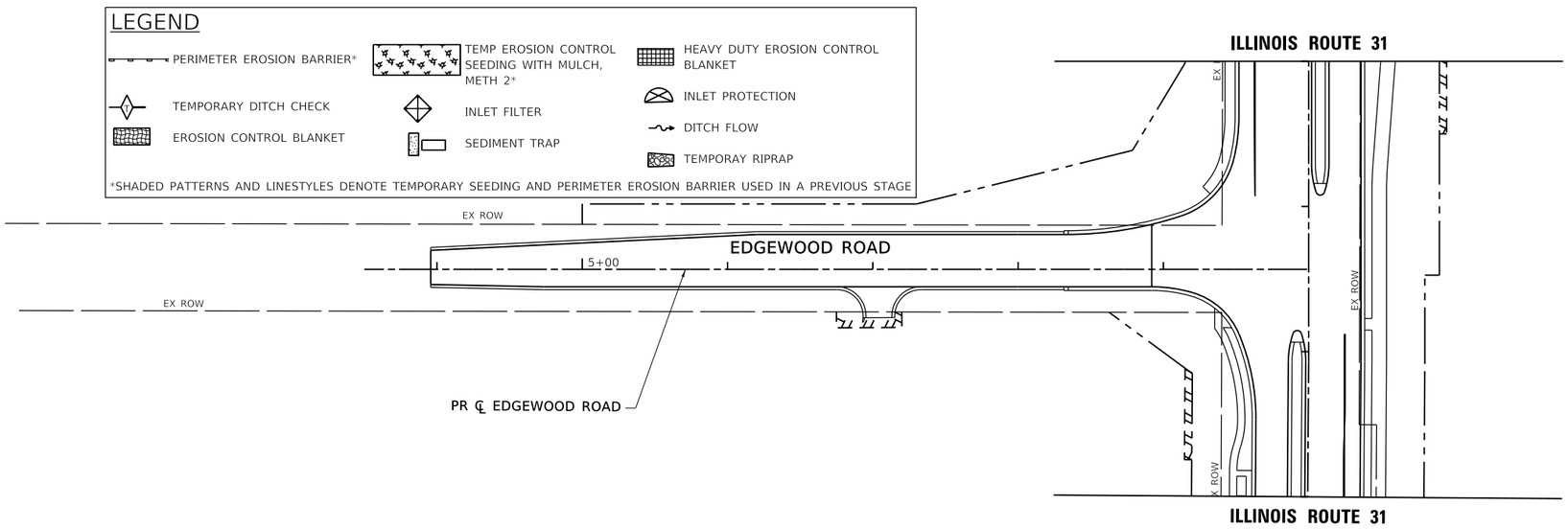
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.



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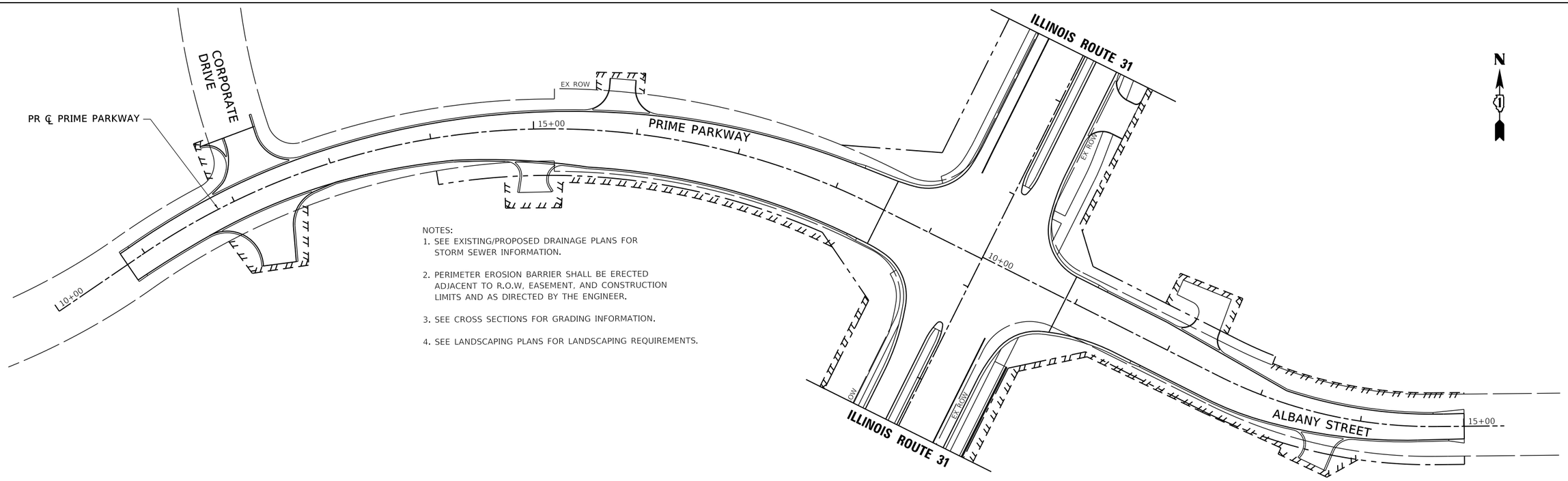
TransLand Engineering Group	USER NAME = eboelter	DESIGNED - TRANS	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - TRANS	REVISED -	
	PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
HALF MILE TRAIL /EDGEWOOD ROAD

SCALE: 1"=50' | SHEET 12 OF 13 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	343
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES:
1. SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W, EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
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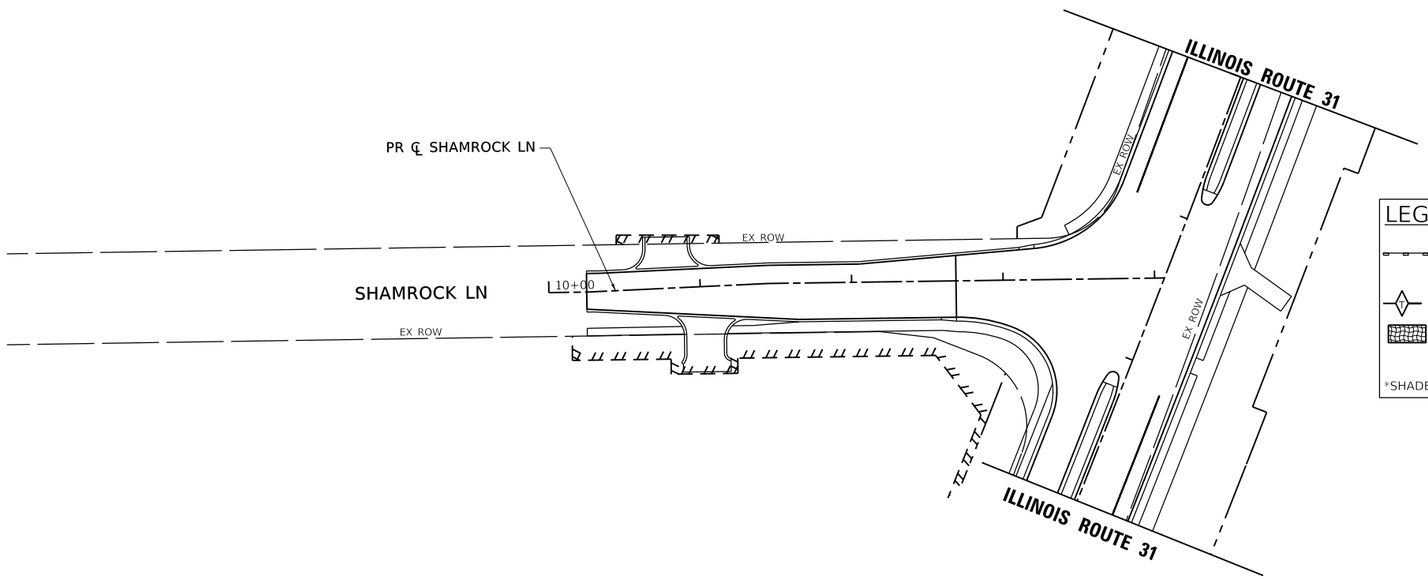
4. SEE LANDSCAPING PLANS FOR LANDSCAPING REQUIREMENTS.



LEGEND

- PERIMETER EROSION BARRIER*
- TEMP EROSION CONTROL SEEDING WITH MULCH, METH 2*
- HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- INLET FILTER
- INLET PROTECTION
- EROSION CONTROL BLANKET
- SEDIMENT TRAP
- DITCH FLOW
- TEMPORAY RIPRAP

*SHADED PATTERNS AND LINESTYLES DENOTE TEMPORARY SEEDING AND PERIMETER EROSION BARRIER USED IN A PREVIOUS STAGE

SHAMROCK LANE

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TransLand Engineering Group

USER NAME = eboelter	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

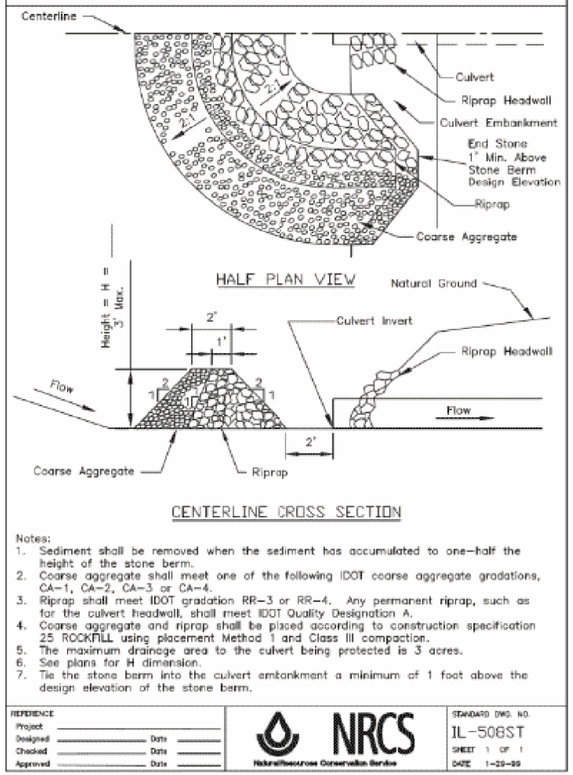
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL STAGE 3 PLAN
PRIME PRKWY /ALBANY ST & SHAMROCK LN

SCALE: 1"=50' | SHEET 13 OF 13 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	344
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

CULVERT INLET PROTECTION - STONE

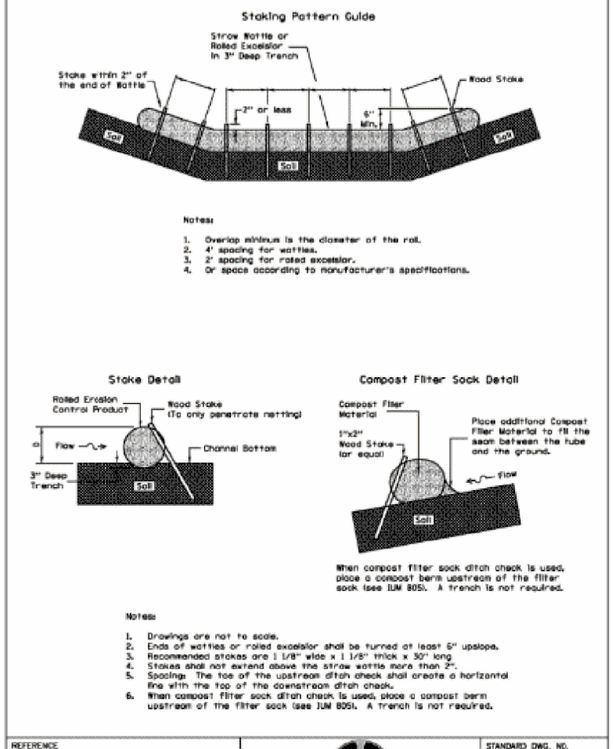


Notes:
1. Sediment shall be removed when the sediment has accumulated to one-half the height of the stone berm.
2. Coarse aggregate shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4.
3. Riprap shall meet IDOT gradation RR-3 or RR-4. Any permanent riprap, such as for the culvert headwall, shall meet IDOT Quality Designation A.
4. Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
5. The maximum drainage area to the culvert being protected is 3 acres.
6. See plans for H dimension.
7. Tie the stone berm into the culvert embankment a minimum of 1 foot above the design elevation of the stone berm.

REFERENCE		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-508ST
Designed Date		SHEET 1 OF 1
Checked Date		DATE 1-29-99
Approved Date		

NOTE:
CULVERT INLET PROTECTION-STONE SHALL BE PAID FOR AS AGGREGATE DITCH CHECK

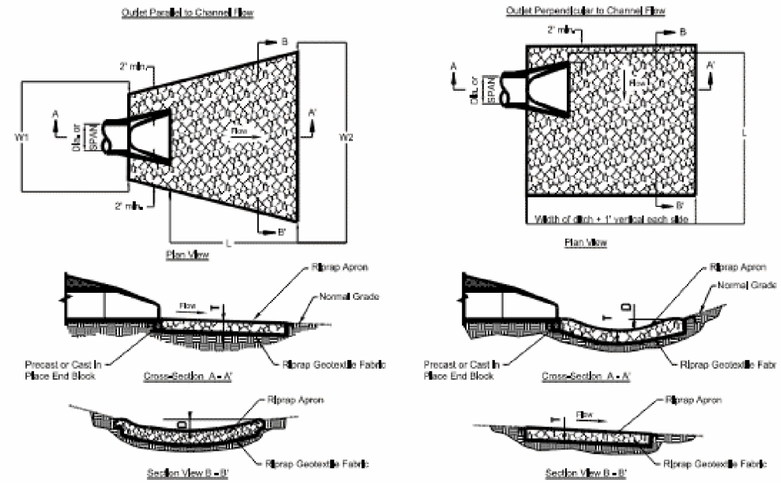
ROLLED EROSION CONTROL PRODUCTS



Notes:
1. Drawings are not to scale.
2. Ends of wattles or rolled excelsior shall be turned at least 6" upslope.
3. Recommended stakes are 1 1/8" wide x 1 1/8" thick x 30" long.
4. Stakes shall not extend above the straw wattle more than 2".
5. Spacings: The toe of the upstream ditch check shall create a horizontal line with the top of the downstream ditch check.
6. When compost filter sock ditch check is used, place a compost berm upstream of the filter sock (see IUM 805). A trench is not required.

REFERENCE		STANDARD DWG. NO.
Project		IUM-514
Designed Date		SHEET 1 OF 1
Checked Date		DATE 8-19-11
Approved Date		

NOTE:
ROLLED EROSION CONTROL PRODUCTS SHALL BE PAID FOR AS PERIMETER EROSION BARRIER (ROLLED EXCELSIOR)



ROCK OUTLET PROTECTION DETAIL
N.T.S.

DIA. OF ROUND INLET PIPE (IN)	IDOT RIPRAP GRADATION (RR)	RIPRAP BED THICKNESS (IN)	APRON LENGTH (FT)	APRON WITH UPSTREAM (FT)	APRON WIDTH DOWNSTREAM (FT)	DEPTH BELOW NORMAL GRADE
		T	L	W1	W2	D
12	RR-5	15.0	12.0	5.0	11.0	6.0
15	RR-5	15.0	14.0	5.0	12.0	6.0
18	RR-5	15.0	16.0	5.5	13.5	7.0
24	RR-5	15.0	20.0	6.0	16.0	10.0
30	RR-5	20.0	22.0	6.0	17.0	11.0
36	RR-5	20.0	24.0	7.0	19.0	11.0
42	RR-5	20.0	26.0	7.0	22.0	14.0
48	RR-5	20.0	28.0	8.0	22.0	14.0

NOTE: USE RR-7 AT ALL BOX CULVERT LOCATIONS

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TransLand Engineering Group

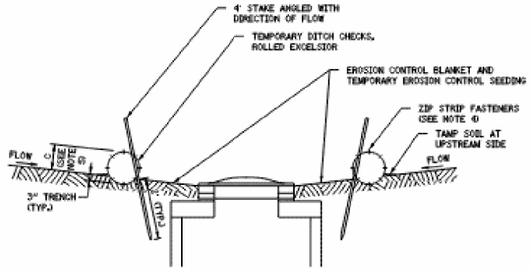
USER NAME = eboelter	DESIGNED - TRANS	REVISED -
	DRAWN - TRANS	REVISED -
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 3 SHEETS | STA. | TO STA.

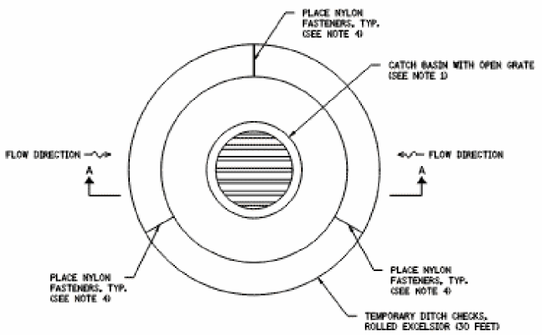
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	345
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



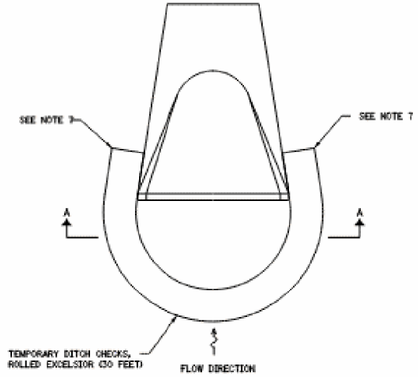
SECTION A - A

NOTES:

1. INLET FILTER IS TO BE PROVIDED FOR ALL OPEN-GRATED DRAINAGE STRUCTURES.
2. ROLLED EXCELSIOR LOG SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 3" AND SOIL SHALL BE TAMPED AGAINST THE UPSTRAEM SIDE TO ASSURE THAT STORM WATER IS FORCED THROUGH THE LOG, RATHER THAN UNDER IT.
3. STAKES SHALL BE 4' LONG, DRIVEN AT A SPACING OF 2' ON CENTER, 2' INTO THE GROUND. STAKES SHALL BE ENTWINED WITH THE MESH COVERING OF THE ROLL ON THE DOWNSTREAM SIDE AND ANGLED IN THE DIRECTION OF FLOW. WOOD STAKES TO BE A MINIMUM OF 1" SQUARE. METAL STAKES TO BE A MINIMUM OF 1" DIAMETER.
4. WHEN MORE THAN ONE LOG IS REQUIRED TO SURROUND THE INLET, BUTT LOGS TIGHTLY TOGETHER END TO END AND FASTEN TOGETHER WITH A MINIMUM OF EIGHT EQUALLY SPACED ZIP STRIP NYLON FASTENERS.
5. ROLLED EXCELSIOR LOG DITCH CHECKS ARE SUPPLIED IN STANDARD 10' LENGTHS AND SHOULD NOT BE CUT.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT SHALL BE REMOVED WHEN IT REACHES 50% OF ROLL HEIGHT. WHEN EXCELSIOR ROLL HEIGHT BECOMES LESS THAN 10", IT SHALL BE REPLACED.
7 ROLLED EXCELSIOR LOG DITCH CHECKS SHALL BE SUFFICIENTLY LONG ENOUGH THAT THE TOP OF THE DEVICE IN THE MIDDLE OF THE DITCH IS 6" LOWER THAN THE BOTTOM OF THE TERMINATING ENDS OF THE DITCH SIDE SLOPES.

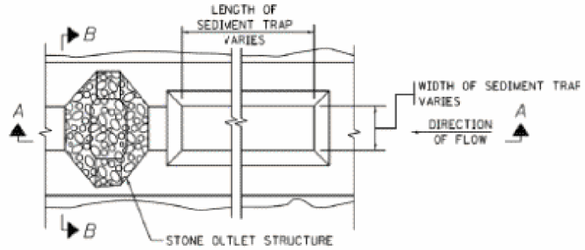


AT CATCH BASINS IN DITCHES OR AT AREA DRAINS

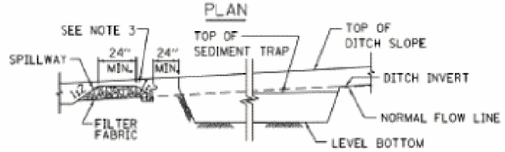


AT CULVERT INLETS

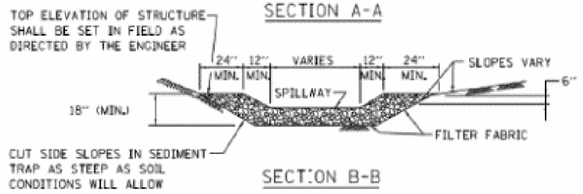
STORM DRAIN INLET PROTECTION DETAIL
SCALE=N.T.S.



PLAN



SECTION A-A



SECTION B-B

NOTES:

1. USE IN EXISTING, PROPOSED AND TEMPORARY DITCHES OF ALL TYPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
2. THE SEDIMENT TRAP SHALL BE REPLACED DUE TO WASHOUT, DAMAGE FROM CONSTRUCTION TRAFFIC, OR SILT ACCUMULATION. THE SILT SHALL BE REMOVED WHEN THE TRAP IS 50% FULL.
3. THIS COST TO PERFORM THIS WORK SHALL BE PAID FOR AS:
   - EARTH EXCAVATION FOR EROSION CONTROL
   - STONE RIPRAP, CLASS A4
   - FILTER FABRIC.
4. UPON COMPLETION OF CONSTRUCTION, ESTABLISHMENT OF FINAL STABILIZATION, AND WHEN DIRECTED BY THE ENGINEER, THE SEDIMENT TRAP SHALL BE REMOVED AND THE DITCH LINE RE-ESTABLISHED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. THE COST TO COMPLETE THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEMS LISTED ABOVE.

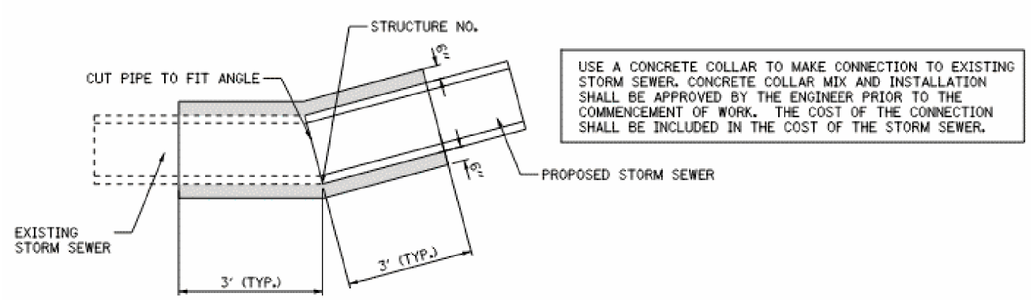
SEDIMENT TRAP

TRAP NO.	L (FT)	W (FT)	CAPACITY (CU FT)
1	127	55	17,325
2	115	40	11,500
3	58	24	3,480
4	235	14	8,225
5	150	10	3,750

DIMENSION NOTES:

1. ALL DIMENSIONS ARE BASED UPON AN AVERAGE DEPTH OF 30" AND PROVIDING, AS A MINIMUM, 3,600 CUBIC FEET OF STORAGE PER ACRE OF RUNOFF.
2. L AND W ARE MEASURED ALONG THE BOTTOM OF THE TRAP.
3. WHENEVER POSSIBLE, THE MAXIMUM AVERAGE DEPTH OF THE TRAP WIL BE 30".
4. THE MAXIMUM DRAINAGE AREA (INCLUDING OFF-SITE AREA) ALLOWED PER TRAP IS 5 ACRES.

CONCRETE PIPE COLLAR



USE A CONCRETE COLLAR TO MAKE CONNECTION TO EXISTING STORM SEWER. CONCRETE COLLAR MIX AND INSTALLATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK. THE COST OF THE CONNECTION SHALL BE INCLUDED IN THE COST OF THE STORM SEWER.

STUCTURE NO.	PIPE SIZE	STATION
TS 8-01	24"	206+59
TS 21-03	15"	375+63

TEMPORARY MANHOLE SCHEDULE

TEMPORARY MANHOLES				EXISTING CULVERT		PROPOSED TEMP. PIPE CULVERT	
STR. NO.	STATION	DIA.	RIM ELEV.	SIZE	INV. ELEV.	SIZE	INV. ELEV.
TS 8-01	206+59	4'	CON. COLLAR	24"	768.69	24"	765.90
TS 17-01	320+02	4'	823.50	2'X1.5'	820.34	24"	820.34
TS 21-01	375+83	4'	836.19	12"(PR-E)	833.88	12"	833.88
TS 21-02	375+86	4'	836.45	12"(PR-S)	831.65	12"	831.56
TS 21-03	375+63	4'	CON. COLLAR	12"(S)	831.99	12"	831.65

MODEL: Default
FILE NAME: \\natnepw11lc01\IC5_pdf_work_dir\24513\30195_1113\C1-SHT-EROSION - DETAILS3.dgn

TransLand Engineering Group

USER NAME = eboelter	DESIGNED - TRANS	REVISED -	
	DRAWN - TRANS	REVISED -	
PLOT SCALE = 100:1	CHECKED - TRANS	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	347
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

STRUCTURE NUMBER	STATION	OFFSET	BASELINE	REMOVING MANHOLES 60500040	REMOVING CATCH BASINS 60500050	REMOVING INLETS 60500060	REMOVE EXISTING FLARED END SECTIONS X0322936	CONCRETE HEADWALL REMOVAL 50104400	CATCH BASINS ADJUSTED W/ TYPE 8 F & G 60251200	MANHOLES TO BE ADJUSTED W/ TYPE 1 CLOSED LID 60255800	ELEVATION	COMMENTS
				EACH	EACH	EACH	EACH	EACH	EACH	EACH		
EXISTING DRAINAGE REMOVAL PLAN SHEET 1 - IL 31												
ES1-1	123+56	61.6	X_IL31							1	882.74	
ES1-2	126+98	-52.1	X_IL31		1							
ES1-3	129+75	-46.9	X_IL31		1							
ES1-6	138+18	43.1	X_IL31			1						
ES1-7	138+22	48.7	X_IL31							1	896.64	
ES1-8	127+29	-14.8	X_IL31									
ES1-9	125+02	56.6	X_IL31	1								
ES1-10	129+78	55.6	X_IL31						1		886.5	
ES1-11	128+21	61.8	X_IL31		1				1		885.3	
ES1-12	131+35	51.8	X_IL31						1		887.2	
			SHEET 1 TOTALS	1	3	1	0	0	3	2		
EXISTING DRAINAGE REMOVAL PLAN SHEET 2 - IL 31												
ES2-1	139+73	43.8	X_IL31	1								
ES2-2	140+76	48.7	X_IL31		1							
ES2-3	141+55	43.6	X_IL31		1							
ES2-4	142+99	46.7	X_IL31		1							
ES2-5	144+59	41.1	X_IL31				1					
ES2-6	145+17	40.0	X_IL31				1					
ES2-7	147+22.12	-49.0	X_IL31				1					
ES2-8	147+21.72	45.0	X_IL31		1							
ES2-9	148+01	46.4	X_IL31				1					
ES2-10	151+71	49.8	X_IL31		1							
ES2-11	151+70	81.7	X_IL31	1								
ES2-12	152+90	97.5	X_IL31			1						
ES2-14	153+66	103.4	X_IL31							1	914.8	
ES2-15	154+41	28.3	X_IL31			1						
ES2-16	154+39	56.1	X_IL31	1								
ES2-17	154+95	-33.2	X_IL31				1					
ES2-18	155+33	-29.3	X_IL31	1								
ES2-19	155+66	-25.1	X_IL31			1						
ES2-20	156+77	27.8	X_IL31			1						
ES2-21	156+77	56.6	X_IL31	1								
ES2-22	157+67	-19.8	X_IL31			1						
ES2-23	158+98	27.2	X_IL31			1						
ES2-24	158+99	57.6	X_IL31	1								
ES2-25	162+66	41.3	X_IL31		1							
ES2-26	162+73	33.4	X_IL31			1						
ES2-27	139+02	-47.6	X_IL31		1							
ES2-28	153+47	108.3	X_IL31			1						
ES2-29	153+47	101.8	X_IL31			1						
ES2-30	147+82	79.1	X_IL31									STRUCTURE TO REMAIN
ES2-31	162+53	-34.3	X_IL31					1				
			SHEET 2 TOTALS	6	7	9	5	1	0	1		
EXISTING DRAINAGE REMOVAL PLAN SHEET 3 - IL 31												
ES3-1	165+15	-23.4	X_IL31			1						
ES3-2	165+15	23.4	X_IL31			1						
ES3-3	167+69	6-21.3	X_IL31			1						
ES3-4	167+72	22.8	X_IL31			1						
ES3-5	170+15	-21.1	X_IL31			1						
ES3-6	170+14	22.7	X_IL31			1						
ES3-7	171+23	-29.1	X_IL31				1					
ES3-8	171+37	28.3	X_IL31				1					
ES3-9	176+41	-24.3	X_IL31				1					
ES3-10	177+42	-30.8	X_IL31				1					
ES3-11	183+45	-31.9	X_IL31		1							
			SHEET 3 TOTALS	0	1	6	4	0	0	0		
EXISTING DRAINAGE REMOVAL PLAN SHEET 4 - IL 31												
ES4-1	190+23	66.6	X_EL31				1					
ES4-2	190+68	67.5	X_EL31				1					
ES4-3	191+71	66.9	X_EL31				1					
ES4-4	198+81	66.0	X_EL31				1					
ES4-5	199+28	66.6	X_EL31				1					
			SHEET 4 TOTALS	0	0	0	5	0	0	0		

STRUCTURE NUMBER	STATION	OFFSET	BASELINE	REMOVING MANHOLES 60500040	REMOVING CATCH BASINS 60500050	REMOVING INLETS 60500060	REMOVE EXISTING FLARED END SECTIONS X0322936	CONCRETE HEADWALL REMOVAL 50104400	CATCH BASINS ADJUSTED W/ TYPE 8 F & G 60251200	MANHOLES TO BE ADJUSTED W/ TYPE 1 CLOSED LID 60255800	ELEVATION	COMMENTS
				EACH	EACH	EACH	EACH	EACH	EACH	EACH		
EXISTING DRAINAGE REMOVAL PLAN SHEET 5 - IL 31												
ES5-1	216+18	-24.6	X_IL31	1								
ES5-2	220+03	33.7	X_IL31	1								
ES5-3	221+16	-18.3	X_IL31			1						
ES5-4	221+18	20.1	X_IL31	1								
ES5-5	223+15	-20.7	X_IL31			1						
ES5-6	225+14	-20.8	X_IL31			1						
ES5-7	225+16	23.7	X_IL31			1						
ES5-8	235+28	-24.5	X_IL31				1					
ES5-9	235+94	-26.0	X_IL31				1					
ES5-11	241+66	-26.3	X_IL31				1					
ES5-12	220+79	-23.2	X_IL31			1						
ES5-13	219+43	-37.1	X_IL31									EX STRUCT REMAINS-PLUGGED AT
ES5-14	218+97	-37.8	X_IL31									STRUCTURE TO REMAIN
ES5-15	218+32	-36.4	X_IL31									STRUCTURE TO REMAIN
			SHEET 5 TOTALS	3	0	5	3	0	0	0		
EXISTING DRAINAGE REMOVAL PLAN SHEET 6 - IL 31												
ES6-1	242+31	-27.1	X_IL31				1					
ES6-2	242+36	-29.0	X_IL31				1					
ES6-3	243+60	-29.2	X_IL31				1					
ES6-4	244+20	-29.0	X_IL31				1					
ES6-5	244+28	46.6	X_IL31				1					
ES6-6	244+79	47.0	X_IL31				1					
ES6-7	245+08	-27.7	X_IL31				1					
ES6-8	245+71	-27.9	X_IL31				1					
ES6-9	246+47	-30.2	X_IL31				1					
ES6-10	247+06	-29.0	X_IL31				1					
ES6-11	248+73	-30.1	X_IL31				1					
ES6-12	249+12	-31.1	X_IL31				1					
ES6-13	250+23	-29.0	X_IL31				1					
ES6-14	250+69	-28.5	X_IL31				1					
			SHEET 6 TOTALS	0	0	0	14	0	0	0		
EXISTING DRAINAGE REMOVAL PLAN SHEET 7 - IL 31												
ES7-1	277+59	29.6	X_IL31				1					
ES7-2	277+94	29.1	X_IL31				1					
ES7-3	287+82	-27.1	X_IL31				1					
ES7-4	287+84	31.0	X_IL31				1					
			SHEET 7 TOTALS	0	0	0	4	0	0	0		
EXISTING DRAINAGE REMOVAL PLAN SHEET 8 - IL 31												
ES8-1	299+57	-28.1	X_IL31				1					
ES8-2	299+89	-28.4	X_IL31				1					
ES8-3	306+44	57.5	X_IL31				1					
ES8-4	307+37	56.8	X_IL31				1					
ES8-5	308+59	33.5	X_IL31				1					
ES8-6	308+92	33.8	X_IL31				1					
ES8-7	309+17	32.5	X_IL31				1					
ES8-8	309+75	30.1	X_IL31				1					
ES8-9	316+00	28.5	X_IL31				1					
ES8-10	316+36	28.1	X_IL31				1					
			SHEET 8 TOTALS	0	0	0	10	0	0	0		

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HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzzio	DESIGNED - DMS	REVISED -
	DRAWN - HRG	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL SCHEDULES
STRUCTURE REMOVAL SCHEDULE

SCALE: NTS | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	348
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

STRUCTURE NUMBER	STATION	OFFSET	BASELINE	REMOVING MANHOLES 60500040	REMOVING CATCH BASINS 60500050	REMOVING INLETS 60500060	REMOVE EXISTING FLARED END SECTIONS X0322936	CONCRETE HEADWALL REMOVAL 50104400	CATCH BASINS ADJUSTED W/ TYPE 8 F & G 60251200	MANHOLES TO BE ADJUSTED W/ TYPE 1 CLOSED LID 60255800	ELEVATION	COMMENTS
				EACH	EACH	EACH	EACH	EACH	EACH	EACH		
EXISTING DRAINAGE REMOVAL PLAN SHEET 9 - IL 31												
ES9-1	320+44	-31.8	X_IL31				1					
ES9-2	323+13	-33.3	X_IL31				1					
ES9-3	323+23	42.3	X_IL31				1					
ES9-4	323+23	44.8	X_IL31				1					
ES9-5	323+63	-28.3	X_IL31				1					
ES9-6	323+77	71.3	X_IL31			1						
ES9-7	323+79	78.6	X_IL31			1						
ES9-8	324+26	-27.8	X_IL31				1					
ES9-9	324+63	71.1	X_IL31			1						
ES9-10	324+61	78.4	X_IL31			1						
ES9-11	325+20	38.8	X_IL31				1					
ES9-12	325+20	41.0	X_IL31				1					
ES9-13	326+00	-27.6	X_IL31				1					
ES9-14	326+61	-28.0	X_IL31				1					
ES9-15	328+29	-26.7	X_IL31				1					
ES9-16	330+40	-25.6	X_IL31				1					
ES9-17	331+70	-115.6	X_IL31				1					
ES9-18	331+91	-74.5	X_IL31				1					
ES9-19	336+24	-43.3	X_IL31				1					
ES9-20	336+81	-46.3	X_IL31	1								
ES9-21	336+81	-36.8	X_IL31			1						
ES9-22	337+51	-43.9	X_IL31				1					
ES9-23	341+51	-49.2	X_IL31				1					
ES9-24	343+73	34.4	X_IL31				1					
ES9-25	344+41	33.0	X_IL31				1					
ES9-26	345+14	-48.5	X_IL31				1					
ES9-27	323+84	112.6	X_IL31	1								
ES9-28	339+53	66.79	X_IL31		1							
ES9-29	339+53	43.7	X_IL31				1					
ES9-30	339+53	34.7	X_IL31				1					
ES9-31	339+53	80	X_IL31									END SECTION TO
SHEET 9 TOTALS				2	1	5	22	0	0	0		
EXISTING DRAINAGE REMOVAL PLAN SHEET 10 - IL 31												
ES10-3	355+42	29.9	X_IL31				1					
ES10-4	356+50	31.0	X_IL31				1					
ES10-5	357+85	-44.2	X_IL31				1					
ES10-6	360+26	-42.6	X_IL31		1							
ES10-7	360+94	-48.2	X_IL31				1					
ES10-8	361+16	34.9	X_IL31				1					
ES10-9	366+95	-29.5	X_IL31		1							
ES10-10	369+95	-35.3	X_IL31	1								
ES10-11	369+96	-30.1	X_IL31			1						
ES10-12	370+55	-46.6	X_IL31				1					
ES10-13	372+35	-54.1	X_IL31				1					
ES10-14	372+75	-29.4	X_IL31	1								
ES10-15	372+80	-25.8	X_IL31	1								
ES10-16	372+79	-21.1	X_IL31			1						
ES10-17	372+77	23.6	X_IL31			1						
ES10-18	372+87	22.2	X_IL31			1						
SHEET 10 TOTALS				3	2	4	7	0	0	0		

STRUCTURE NUMBER	STATION	OFFSET	BASELINE	REMOVING MANHOLES 60500040	REMOVING CATCH BASINS 60500050	REMOVING INLETS 60500060	REMOVE EXISTING FLARED END SECTIONS X0322936	CONCRETE HEADWALL REMOVAL 50104400	CATCH BASINS ADJUSTED W/ TYPE 8 F & G 60251200	MANHOLES TO BE ADJUSTED W/ TYPE 1 CLOSED LID 60255800	ELEVATION	COMMENTS
				EACH	EACH	EACH	EACH	EACH	EACH	EACH		
EXISTING DRAINAGE REMOVAL PLAN SHEET 11 - IL 31												
ES11-1	374+35	-31.1	X_IL31	1								
ES11-2	374+37	-24.7	X_IL31			1						
ES11-3	374+37	24.3	X_IL31			1						
ES11-4	374+37	32.0	X_IL31		1							
ES11-5	375+98	-33.6	X_IL31	1								
ES11-6	375+97	-27.3	X_IL31			1						
ES11-7	375+97	41.5	X_IL31			1						
ES11-8	375+97	49.4	X_IL31		1							
ES11-9	377+77	-37.7	X_IL31	1								
ES11-10	377+87	-29.7	X_IL31			1						
ES11-11	377+87	30.5	X_IL31			1						
ES11-12	380+41	-35.9	X_IL31			1						
ES11-13	380.38	-6.4	X_IL31			1						
ES11-14	380+38	7.9	X_IL31			1						
ES11-15	380+38	33.2	X_IL31			1						
ES11-16	382+53	-51.7	X_IL31	1								
ES11-17	382+53	-38.1	X_IL31			1						
ES11-18	382+51	-12.4	X_IL31		1							
ES11-19	382+52	10.7	X_IL31			1						
ES11-20	382+52	36.7	X_IL31			1						
ES11-21	382+53	51.3	X_IL31	1								
ES11-22	381+85	52.8	X_IL31		1							
ES11-23	384+33	-56.8	X_IL31	1								
ES11-24	384+25	-44.9	X_IL31			1						
ES11-25	384+28	-2.6	X_IL31			1						
ES11-26	384+29	36.0	X_IL31			1						
ES11-27	384+28	50.5	X_IL31		1							
ES11-30	390+45	-87.0	X_IL31							1	831.2	
ES11-34	388+42	34.0	X_IL31						1		834.3	
ES11-35	388+88	36.0	X_IL31		1							
ES11-36	389+90	37.3	X_IL31		1							
ES11-38	379+87	-45.3	X_IL31				1					
ES11-39	380+36	-46.8	X_IL31	1								
ES11-40	382+53	-65.8	X_IL31	1								
ES11-41	384+33	-67.8	X_IL31	1								
ES11-42	375+30	80.1	X_IL31			1						
ES11-43	375+55	71.5	X_IL31			1						
ES11-44	375+66	87.2	X_IL31	1								
SHEET 11 TOTALS				10	7	18	1	0	1	1		
EXISTING DRAINAGE REMOVAL PLAN SHEET 12- HALF MILE RD/EDGEWOOD RD												
ES12-1	46+90	-41.9	X_HALF				1					
ES12-2	6+88	21.4	X_EDGEWOOD				1					
ES12-3	7+19	21.6	X_EDGEWOOD				1					
SHEET 12 TOTALS				0	0	0	3	0	0	0		
EXISTING DRAINAGE REMOVAL PLAN SHEET 13 - W ALBANY ST/PRIME PRKWY												
ES13-1	11+96	-27.0	X_ALBANY				1					
ES13-2	12+58	-23.6	X_ALBANY				1					
ES13-3	13+26	22.3	X_ALBANY				1					
ES13-4	14+11	25.9	X_ALBANY				1					
ES13-5	11+14	23.8	X_PRIME	1								
ES13-6	12+74	20.1	X_PRIME	1								
ES13-7	12+79	-14.3	X_PRIME			1						
ES13-8	14+24	20.0	X_PRIME	1								
ES13-9	14+69	24.3	X_PRIME			1						
ES13-10	15+67	23.9	X_PRIME	1								
ES13-11	17+19	29.9	X_PRIME	1								
ES13-12	17+17	-25.6	X_PRIME			1						
ES13-13	9+73	16.7	X_PRIME									STRUCTURE TO REMAIN
SHEET 13 TOTALS				5	0	3	4	0	0	0		
TOTALS				30	21	51	82	1	4	4		

PIPE NUMBER	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE CULVERT REMOVAL 50105220	STORM SEWER REMOVAL 6" 55100200	STORM SEWER REMOVAL 8" 55100300	STORM SEWER REMOVAL 12" 55100500	STORM SEWER REMOVAL 15" 55100700	STORM SEWER REMOVAL 16" 55100800	STORM SEWER REMOVAL 18" 55100900	STORM SEWER REMOVAL 21" 55101100	STORM SEWER REMOVAL 24" 55101200	STORM SEWER REMOVAL 27" 55101300	STORM SEWER REMOVAL 30" 55101400	STORM SEWER REMOVAL 36" 55101600	BOX CULVERT REMOVAL X1200050	ABANDON AND FILL EXISTING STORM SEWER - X1200216	TRENCH BACKFILL 20800150
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	CU YD
EXISTING DRAINAGE REMOVAL PLAN SHEET 1 - IL 31																	
EP1-1	ES1-3	ES1-4															10.6
EP1-2	ES2-26	EXIST SEWER											45				0
EP1-3	ES1-6	ES1-7				7											0
EP1-4	ES1-9	ES1-10								345							0
EP1-5	ES1-10	EXIST SEWER										51					1.4
EP1-6	ES1-2	ES1-8				32											4.9
EP1-7	-	-				35											5.3
EP1-8	EX1-11	BLIND CONNECTION				17											0
		SHEET 1 TOTALS	0	0	0	91	0	0	0	345	0	51	45	0	0	0	22
EXISTING DRAINAGE REMOVAL PLAN SHEET 2 - IL 31																	
EP2-1	ES2-1	BLIND CONNECTION				5											0.4
EP2-2	ES2-3	BLIND CONNECTION				5											5.1
EP2-3	ES2-2	ES2-4							223								0.0
EP2-4	ES2-5	ES2-6					56										8.4
EP2-5	ES2-7	ES2-8												92			5.1
EP2-6	ES2-8	ES2-9									77						11.9
EP2-7	BLIND CONNECTION	ES2-10									83						0.0
EP2-8	ES2-10	ES2-11									32						0.0
EP2-9	ES2-15	ES2-16				28											4.2
EP2-10	ES2-17	ES2-19				70											7.3
EP2-11	ES2-16	ES2-21				238											299.8
EP2-12	ES2-19	ES2-22					201										29.0
EP2-13	ES2-20	ES2-21				29											30.0
EP2-14	ES2-21	ES2-24				222											279.8
EP2-15	ES2-23	ES2-24				30											4.6
EP2-16	ES2-25	ES2-26					11										7.8
EP2-17	ES2-32	ES3-1					262										36.9
EP2-18	ES2-26	ES3-2				242											23.5
EP2-19	S3-36	ES2-11				50											0.0
		SHEET 2 TOTALS	0	0	0	919	530	0	223	0	192	0	0	92	0	0	754
EXISTING DRAINAGE REMOVAL PLAN SHEET 3 - IL 31																	
EP3-1	ES3-1	ES3-3					254										54.2
EP3-2	ES3-2	ES3-4					256										36.9
EP3-3	ES3-3	ES3-5					245										52.3
EP3-4	ES3-4	ES3-6					242										5.5
EP3-5	ES3-5	ES3-7					105										22.4
EP3-6	ES3-6	ES3-8					122										86.0
EP3-7	-	-	29														4.3
EP3-8	ES3-9	ES3-10	97														25.1
EP3-9	BLIND CONNECTION	-	25														1.9
EP3-10	-	-													86		0.0
EP3-11	-	-	86														12.9
EP3-12	BLIND CONNECTION	BLIND CONNECTION	31														0.0
EP3-13	BLIND CONNECTION	ES3-11	31														4.3
EP3-14	ES3-11	BLIND CONNECTION	80														3.4
EP3-15	BLIND CONNECTION	-	84														3.8
EP3-16	-	-													64		0.0
EP3-17	-	-	25														3.7
		SHEET 3 TOTALS	488	0	0	0	1225	0	0	0	0	0	0	0	150	0	317
EXISTING DRAINAGE REMOVAL PLAN SHEET 4 - IL 31																	
EP4-1	BLIND CONNECTION	ES4-1	26														0.0
EP4-2	ES4-2	ES4-3	98														33.9
EP4-3	-	-													58		0.0
EP4-4	BLIND CONNECTION	BLIND CONNECTION	36														4.8
EP4-5	BLIND CONNECTION	BLIND CONNECTION	32														4.0
EP4-6	ES4-4	ES4-5	44														0.0
EP4-7	-	-													74		0.0
EP4-8	BLIND CONNECTION	BLIND CONNECTION	28														3.8
EP4-9	BLIND CONNECTION	BLIND CONNECTION	94														0.0
EP4-10	BLIND CONNECTION	BLIND CONNECTION	57														2.1
EP4-11	BLIND CONNECTION	BLIND CONNECTION	45														6.8
EP4-12	-	-													46		0.0
EP4-13	BLIND CONNECTION	BLIND CONNECTION	15														0.0
		SHEET 4 TOTALS	474	0	0	0	0	0	0	0	0	0	0	0	179	0	55

PIPE NUMBER	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE CULVERT REMOVAL 50105220	STORM SEWER REMOVAL 6" 55100200	STORM SEWER REMOVAL 8" 55100300	STORM SEWER REMOVAL 12" 55100500	STORM SEWER REMOVAL 15" 55100700	STORM SEWER REMOVAL 16" 55100800	STORM SEWER REMOVAL 18" 55100900	STORM SEWER REMOVAL 21" 55101100	STORM SEWER REMOVAL 24" 55101200	STORM SEWER REMOVAL 27" 55101300	STORM SEWER REMOVAL 30" 55101400	STORM SEWER REMOVAL 36" 55101600	BOX CULVERT REMOVAL X1200050	ABANDON AND FILL EXISTING STORM SEWER - X1200216	TRENCH BACKFILL 20800150
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	CU YD
EXISTING DRAINAGE REMOVAL PLAN SHEET 5 - IL 31																	
EP5-1	BLIND CONNECTION	ES5-1	14														0.0
EP5-2	-	-													46		0.0
EP5-3	-	-													124		0.0
EP5-4	BLIND CONNECTION	ES5-2									162						34.6
EP5-5	ES5-2	ES5-4							115								15.4
EP5-6	ES5-3	ES5-4	37														5.9
EP5-7	ES5-4	BLIND CONNECTION	28														4.1
EP5-8	ES5-3	ES5-5							198								36.4
EP5-9	ES5-4	ES5-7					399										76.5
EP5-10	ES5-5	ES5-6							200								34.1
EP5-11	BLIND CONNECTION	BLIND CONNECTION	38														8.0
EP5-12	ES5-8	ES5-9	63														8.3
EP5-14	ES5-11	ES6-1	60														8.0
EP5-15	ES5-12	ES5-13														137	0.0
EP5-16	ES5-3	ES5-12							36								3.0
		SHEET 5 TOTALS	240	0	0	0	399	0	549	0	162	0	0	0	170	137	234
EXISTING DRAINAGE REMOVAL PLAN SHEET 6 - IL 31																	
EP6-1	BLIND CONNECTION	ES6-2	14														0.0
EP6-2	ES6-3	ES6-4	55														8.0
EP6-3	ES6-5	ES6-6	47														0.0
EP6-4	ES6-7	ES6-8	58														6.3
EP6-5	ES6-9	ES6-10	54														5.8
EP6-6	-	-													76		0.0
EP6-7	ES6-11	ES6-12	34														3.0
EP6-8	ES6-13	ES6-14	47														2.0
		SHEET 6 TOTALS	308	0	0	0	0	0	0	0	0	0	0	0	76	0	25
EXISTING DRAINAGE REMOVAL PLAN SHEET 7 - IL 31																	
EP7-1	-	-													48		0
EP7-2	BLIND CONNECTION	BLIND CONNECTION	80														1.5
EP7-3	ES7-1	ES7-2	30														1.6
EP7-4	BLIND CONNECTION	BLIND CONNECTION	70														9.3
EP7-5	ES7-3	ES7-4	53														0
EP7-6	-	-													47		0
		SHEET 7 TOTALS	233	0	0	0	0	0	0	0	0	0	0	0	95	0	12
EXISTING DRAINAGE REMOVAL PLAN SHEET 8 - IL 31																	
EP8-1	BLIND CONNECTION	BLIND CONNECTION	26														3.4
EP8-2	ES8-1	ES8-2	27														4
EP8-3	-	-													55		0
EP8-4	ES8-3	ES8-4	87														5.3
EP8-5	ES8-5	ES8-6	29														1.4
EP8-6	ES8-7	ES8-8	53														7.3
EP8-7	BLIND CONNECTION	BLIND CONNECTION	30														0
EP8-8	ES8-9	ES8-10	30														4.4
		SHEET 8 TOTALS	282	0	0	0	0	0	0	0	0	0	0	0	55	0	26

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL SCHEDULES
PIPE REMOVAL SCHEDULE

SCALE: NTS | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	350
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PIPE NUMBER	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE CULVERT REMOVAL 50105220	STORM SEWER REMOVAL 6" 55100200	STORM SEWER REMOVAL 8" 55100300	STORM SEWER REMOVAL 12" 55100500	STORM SEWER REMOVAL 15" 55100700	STORM SEWER REMOVAL 16" 55100800	STORM SEWER REMOVAL 18" 55100900	STORM SEWER REMOVAL 21" 55101100	STORM SEWER REMOVAL 24" 55101200	STORM SEWER REMOVAL 27" 55101300	STORM SEWER REMOVAL 30" 55101400	STORM SEWER REMOVAL 36" 55101600	BOX CULVERT REMOVAL X1200050	ABANDON AND FILL EXISTING STORM SEWER - X1200216	TRENCH BACKFILL 20800150
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	CU YD
EXISTING DRAINAGE REMOVAL PLAN SHEET 9 - IL 31																	
EP9-1	-	-													47		0
EP9-2	ES9-1	ES9-2	264														35.3
EP9-3	ES9-3	ES9-11	193														21.6
EP9-4	ES9-4	ES9-12	193														21.6
EP9-5	ES9-5	ES9-8	58														7.7
EP9-6	ES9-6	ES9-7				8											3.0
EP9-7	ES9-7	ES9-27					34										3.0
EP9-8	ES9-7	ES9-10				82											12.4
EP9-9	ES9-9	ES9-10				8											1.2
EP9-10	ES9-13	ES9-14	56														0.0
EP9-11	ES9-15	ES9-16	207														27.6
EP9-12	ES9-17	ES9-18	41														0.0
EP9-13	BLIND CONNECTION	BLIND CONNECTION	20														2.7
EP9-14	ES9-19	ES9-20							55								8.2
EP9-15	ES9-20	ES9-21				9											1.6
EP9-16	ES9-20	ES9-22							68								11.3
EP9-17	ES9-23	ES9-26	358														47.7
EP9-18	ES9-24	ES9-25	63														8.6
EP9-19	ES9-27	PR MH					42										0.0
EP9-20	ES9-31	ES9-28				6											0.0
EP9-21	ES9-28	ES9-29				22											7.0
EP9-22	ES9-30	END NOT FOUND					300										10.9
		SHEET 9 TOTALS	1453	0	0	134	376	0	123	0	0	0	0	0	47	0	231

EXISTING DRAINAGE REMOVAL PLAN SHEET 10 - IL 31																	
EP10-1	-	-													64		0.0
EP10-3	ES10-3	ES10-4	107														15.5
EP10-4	ES10-5	ES10-6							237								91.9
EP10-5	ES10-6	ES10-7							66								8.8
EP10-6	BLIND CONNECTION	ES10-8	42														0.0
EP10-7	ES10-9	ES10-10					299										45.2
EP10-8	ES10-10	ES10-11					5										6.1
EP10-9	ES10-10	ES10-12					59										20.9
EP10-10	-	-													72		0.0
EP10-11	ES10-13	ES10-14				45											16.6
EP10-12	ES10-14	ES10-15				6											2.1
EP10-13	ES10-15	ES10-16				5											1.3
EP10-14	ES10-16	ES10-17				45											6.8
EP10-15	ES10-17	ES10-18				9											1.6
		SHEET 10 TOTALS	149	0	0	110	363	0	303	0	0	0	0	0	136	0	217

PIPE NUMBER	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE CULVERT REMOVAL 50105220	STORM SEWER REMOVAL 6" 55100200	STORM SEWER REMOVAL 8" 55100300	STORM SEWER REMOVAL 12" 55100500	STORM SEWER REMOVAL 15" 55100700	STORM SEWER REMOVAL 16" 55100800	STORM SEWER REMOVAL 18" 55100900	STORM SEWER REMOVAL 21" 55101100	STORM SEWER REMOVAL 24" 55101200	STORM SEWER REMOVAL 27" 55101300	STORM SEWER REMOVAL 30" 55101400	STORM SEWER REMOVAL 36" 55101600	BOX CULVERT REMOVAL X1200050	ABANDON AND FILL EXISTING STORM SEWER - X1200216	TRENCH BACKFILL 20800150
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	CU YD
EXISTING DRAINAGE REMOVAL PLAN SHEET 11 - IL 31																	
EP11-1	ES10-14	ES11-1					159										56.4
EP11-2	ES11-1	ES11-2					7										1.2
EP11-3	ES11-2	ES11-3					50										7.4
EP11-4	ES11-3	ES11-4					7										1.2
EP11-5	ES11-1	ES11-5					163										38.6
EP11-6	ES11-5	ES11-6					6										1.1
EP11-7	ES11-6	ES11-7					69										10.5
EP11-8	ES11-7	ES11-8					8										1.2
EP11-9	ES11-5	ES11-9				180											0.0
EP11-10	ES11-9	ES11-10				13											0.0
EP11-11	ES11-10	ES11-11				60											18.1
EP11-12	BLIND CONNECTION	ES11-12				12											3.3
EP11-13	ES11-12	ES11-13				30											7.7
EP11-14	ES11-13	ES11-14				14											3.6
EP11-15	ES11-14	ES11-15				25											3.8
EP11-16	ES11-16	ES11-17				14											4.8
EP11-17	ES11-17	ES11-18				26											4.0
EP11-18	ES11-18	ES11-19				23											9.1
EP11-19	ES11-19	ES11-20				26											8.3
EP11-20	ES11-20	ES11-21				15											4.8
EP11-21	ES11-21	ES11-22				68											14.7
EP11-22	BLIND CONNECTION	ES11-23				11											1.6
EP11-23	ES11-23	ES11-24				14											3.6
EP11-24	ES11-24	ES11-25				42											9.9
EP11-25	ES11-25	ES11-26				39											0.0
EP11-26	ES11-26	ES11-27				15											0.0
EP11-27	ES11-38	ES11-39				47											13.0
EP11-28	ES11-39	ES11-40							218								290.2
EP11-29	ES11-40	ES11-41													180		370.4
EP11-30	ES11-41	NO STRUCTURE													36		373.0
EP11-31	ES11-42	ES11-43				25											4.0
EP11-32	ES11-43	ES11-44				16											3.3
EP11-33	ES11-44	PROP STRUCTURE				12											3.6
EP11-34	ES11-36	ES11-35				48											0.0
		SHEET 11 TOTALS	0	0	0	775	469	0	218	0	0	0	0	216	0	0	1272

EXISTING DRAINAGE REMOVAL PLAN SHEET 12 - HALF MILE RD/EDGEWOOD RD																	
EP12-1	ES12-1	BLIND CONNECTION					43										0
EP12-2	ES12-2	ES12-3	25														0
		SHEET 12 TOTALS	25	0	0	0	43	0	0	0	0	0	0	0	0	0	0

EXISTING DRAINAGE REMOVAL PLAN SHEET 13 - W ALBANY ST/PRIME PRKWY																	
EP13-1	ES13-1	ES13-2				58											0
EP13-2	ES13-3	ES13-4							84								0
EP13-3	ES13-5	ES13-13							147								0
EP13-4	ES13-6	ES13-5							154								0
EP13-5	ES13-7	ES13-9				32											0
EP13-6	ES13-9	ES13-6				4											0
EP13-7	ES13-8	ES13-6							145								0
EP13-8	ES13-10	ES13-9							94								0
EP13-9	ES13-11	ES13-10						146									0
EP13-10	ES13-12	ES13-111				55											0
EP13-11	ES13-9	ES13-8							44								0
		SHEET 13 TOTALS	0	0	0	149	0	146	668	0	0	0	0	0	0	0	0
		TOTALS	3653	0	0	2577	3005	146	2084	345	354	51	45	308	908	137	3166

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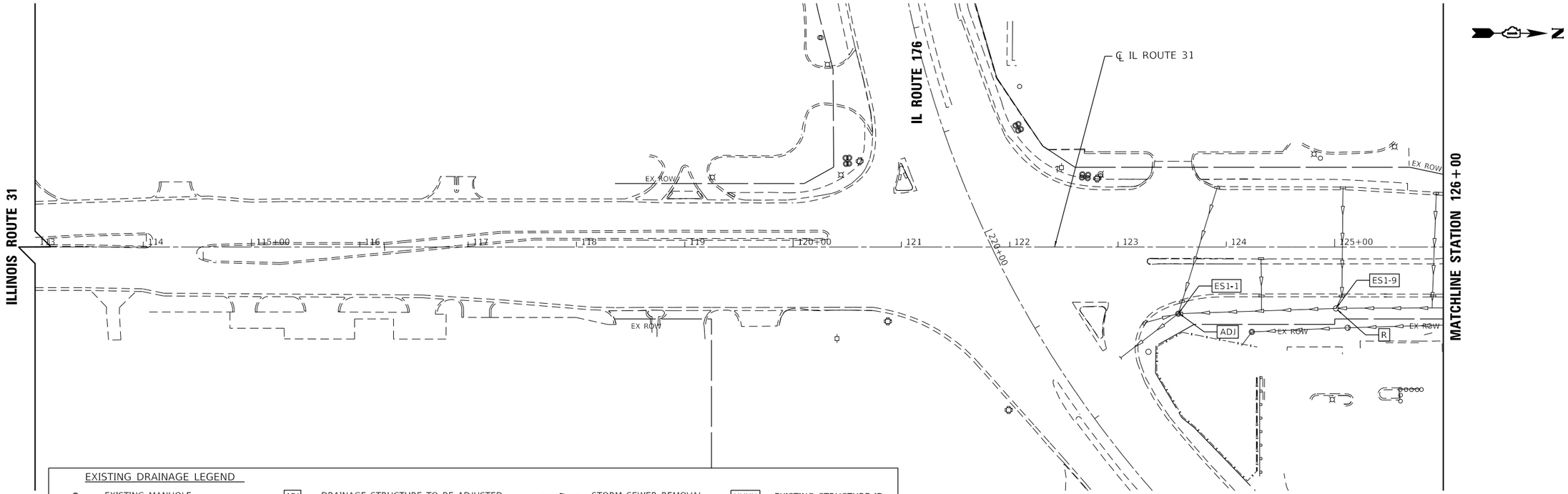
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL SCHEDULES
PIPE REMOVAL SCHEDULE

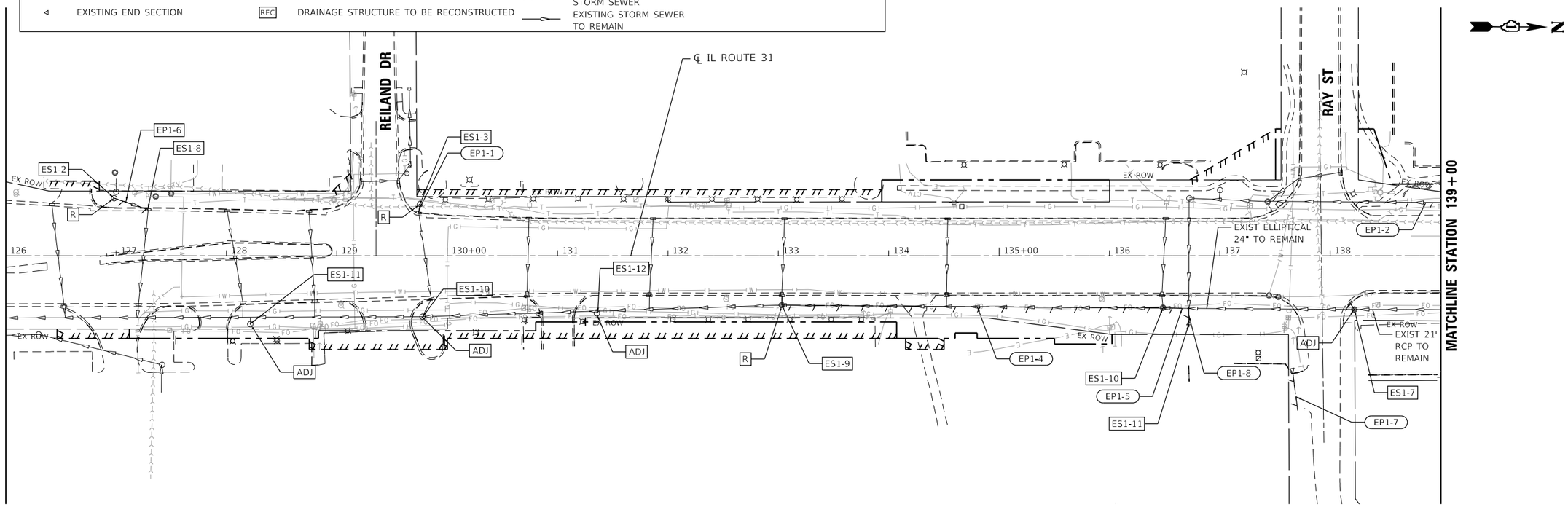
SCALE: NTS | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	351
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



EXISTING DRAINAGE LEGEND

EXISTING MANHOLE	ADJ	DRAINAGE STRUCTURE TO BE ADJUSTED	STORM SEWER REMOVAL	XXXX	EXISTING STRUCTURE ID
EXISTING CATCH BASIN	R	DRAINAGE STRUCTURE TO BE REMOVED	PIPE CULVERT REMOVAL	XXXX	EXISTING PIPE ID
EXISTING INLET	A	FRAMES AND LIDS TO BE ADJUSTED	ABANDON AND FILL EXISTING STORM SEWER		
EXISTING END SECTION	REC	DRAINAGE STRUCTURE TO BE RECONSTRUCTED	EXISTING STORM SEWER TO REMAIN		



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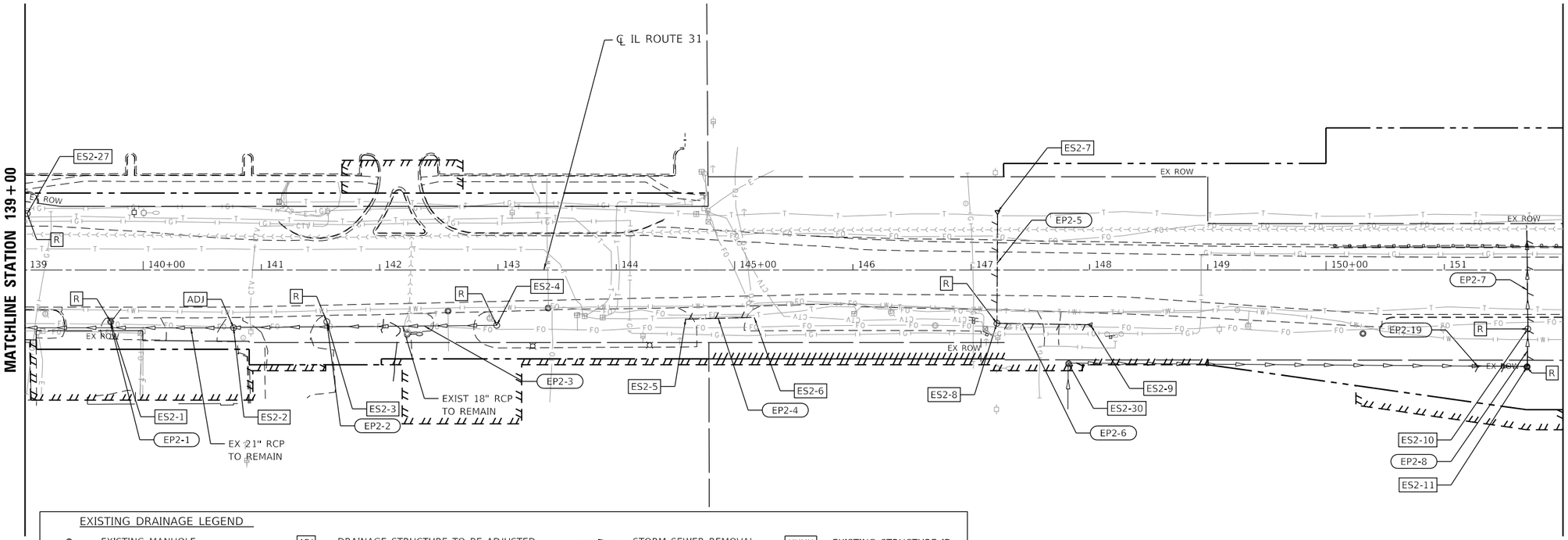
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

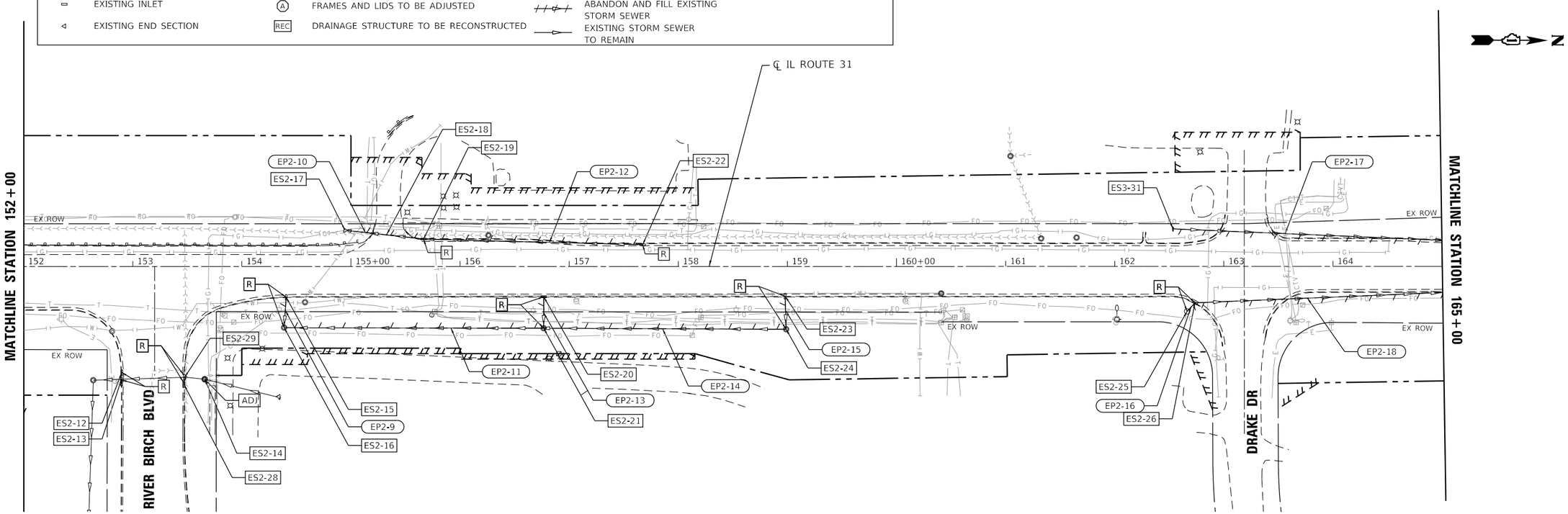
SCALE: 1"=50' | SHEET 1 OF 13 SHEETS | STA. 113+00 | TO STA. 139+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	352
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



EXISTING DRAINAGE LEGEND

○	EXISTING MANHOLE	ADJ	DRAINAGE STRUCTURE TO BE ADJUSTED		STORM SEWER REMOVAL	XXXX	EXISTING STRUCTURE ID
○	EXISTING CATCH BASIN	R	DRAINAGE STRUCTURE TO BE REMOVED		PIPE CULVERT REMOVAL	XXXX	EXISTING PIPE ID
▭	EXISTING INLET	A	FRAMES AND LIDS TO BE ADJUSTED		ABANDON AND FILL EXISTING STORM SEWER		
◁	EXISTING END SECTION	REC	DRAINAGE STRUCTURE TO BE RECONSTRUCTED		EXISTING STORM SEWER TO REMAIN		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

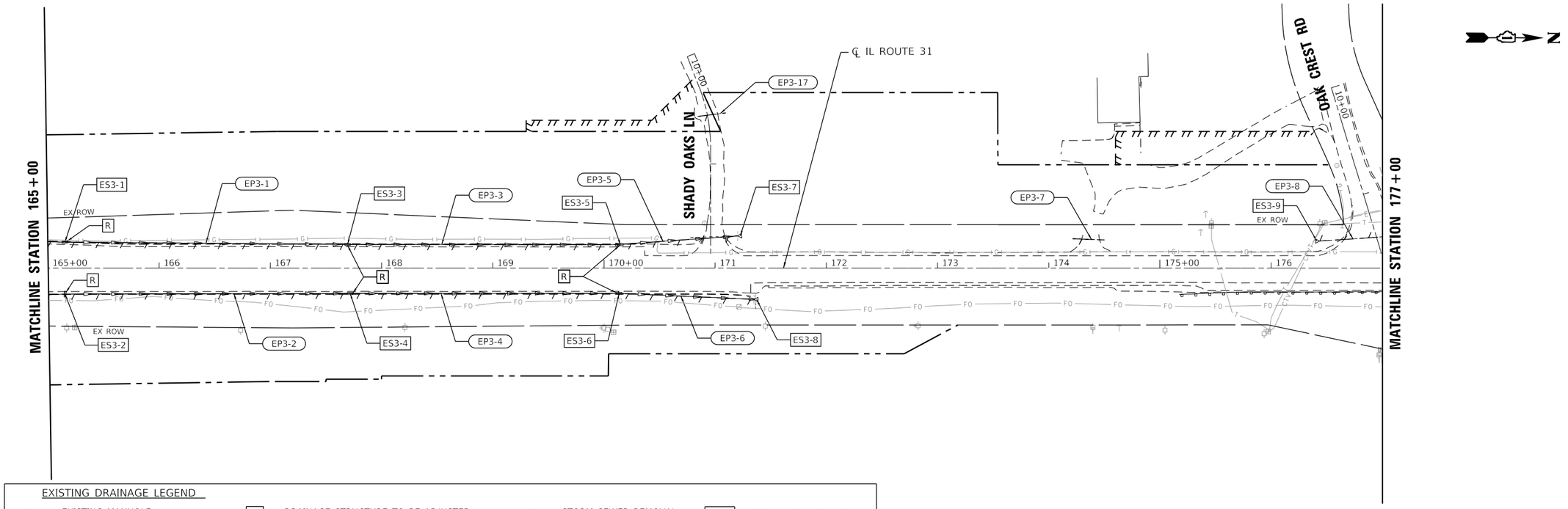
DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 13 SHEETS | STA. 132+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	353

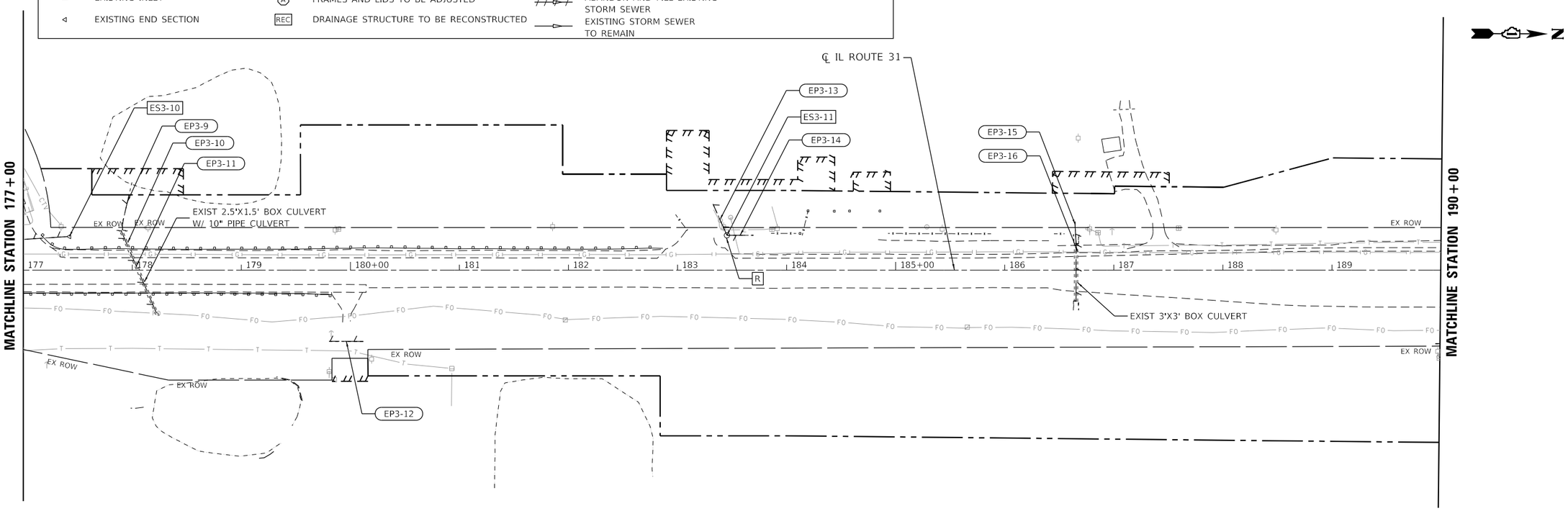
CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



EXISTING DRAINAGE LEGEND

○	EXISTING MANHOLE	ADJ	DRAINAGE STRUCTURE TO BE ADJUSTED		STORM SEWER REMOVAL	XXXX	EXISTING STRUCTURE ID
○	EXISTING CATCH BASIN	R	DRAINAGE STRUCTURE TO BE REMOVED		PIPE CULVERT REMOVAL	XXXX	EXISTING PIPE ID
▭	EXISTING INLET	A	FRAMES AND LIDS TO BE ADJUSTED		ABANDON AND FILL EXISTING STORM SEWER		
◁	EXISTING END SECTION	REC	DRAINAGE STRUCTURE TO BE RECONSTRUCTED		EXISTING STORM SEWER TO REMAIN		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

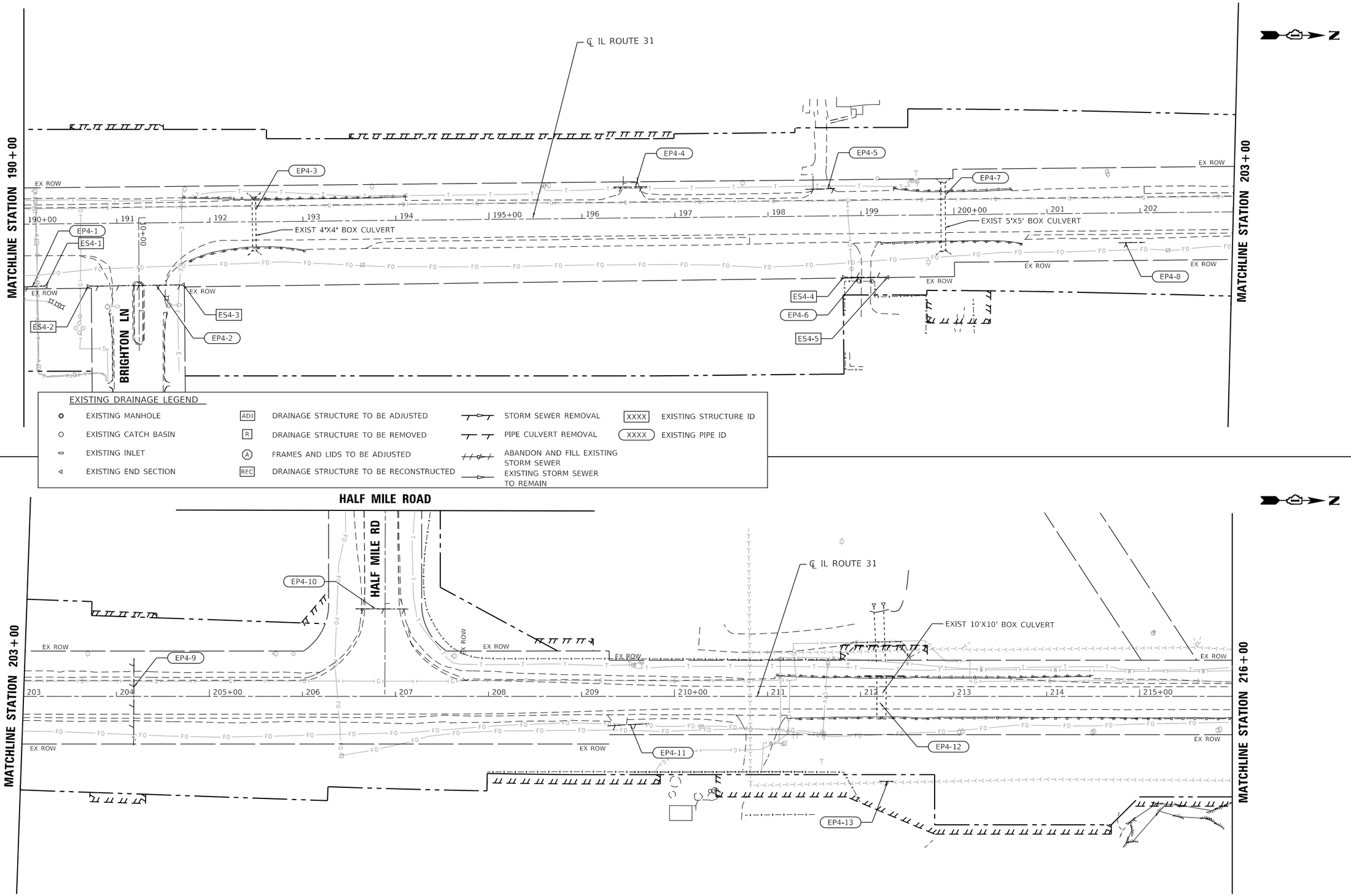
DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 13 SHEETS | STA. 165+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	354

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



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Illinois Professional Design Firm
184-001322

USER NAME = mzuzzio	DESIGNED - DMS	REVISED -	
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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

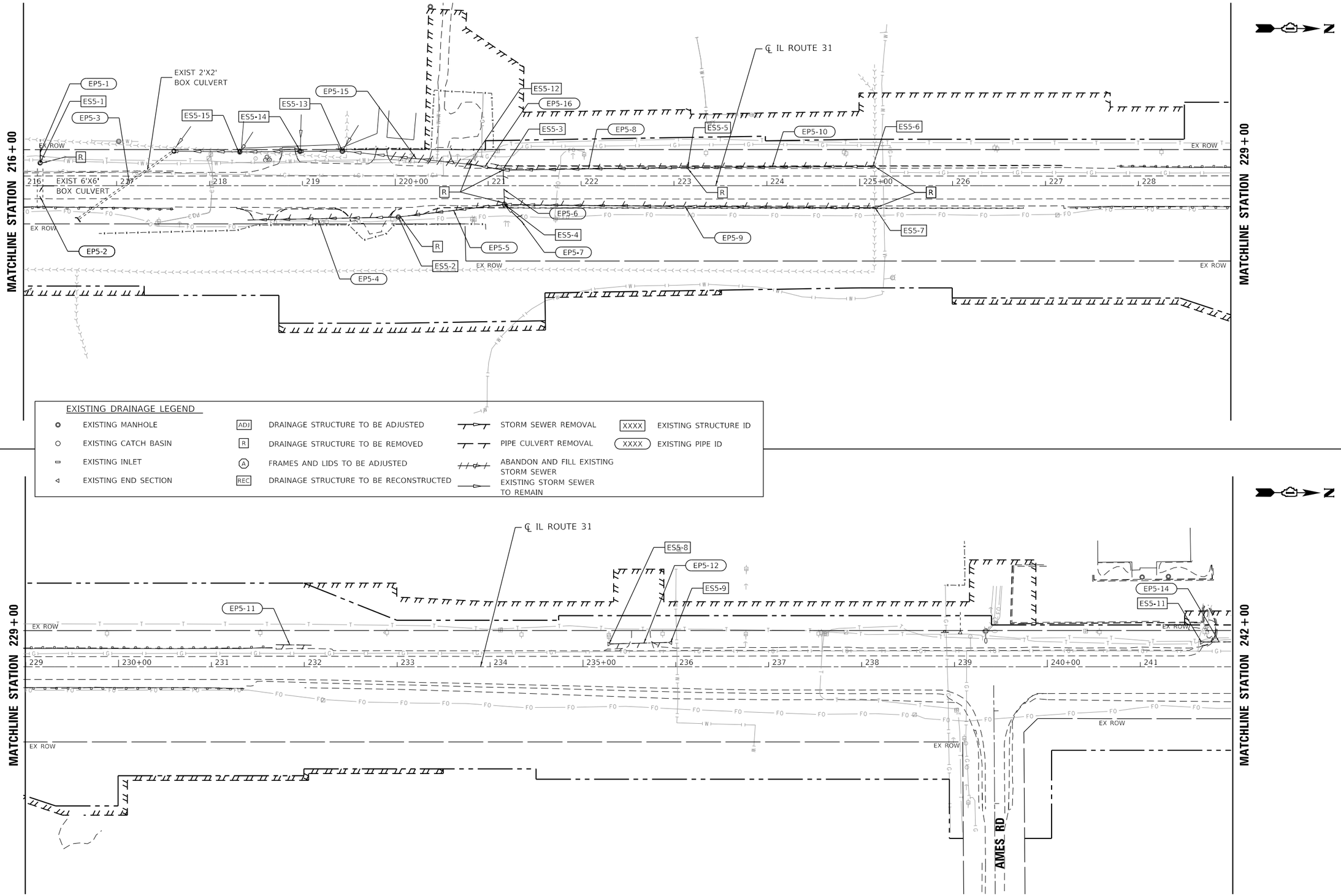
DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 13 SHEETS | STA. 190+00 TO STA. 216+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	355

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

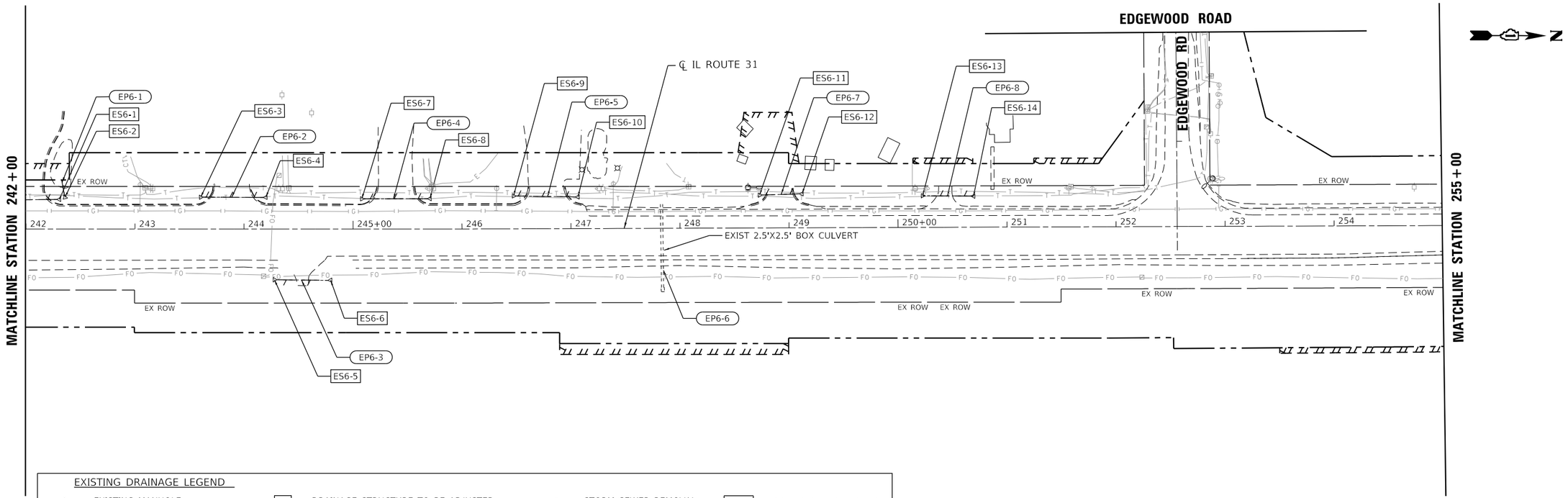
DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 13 SHEETS | STA. 216+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	356

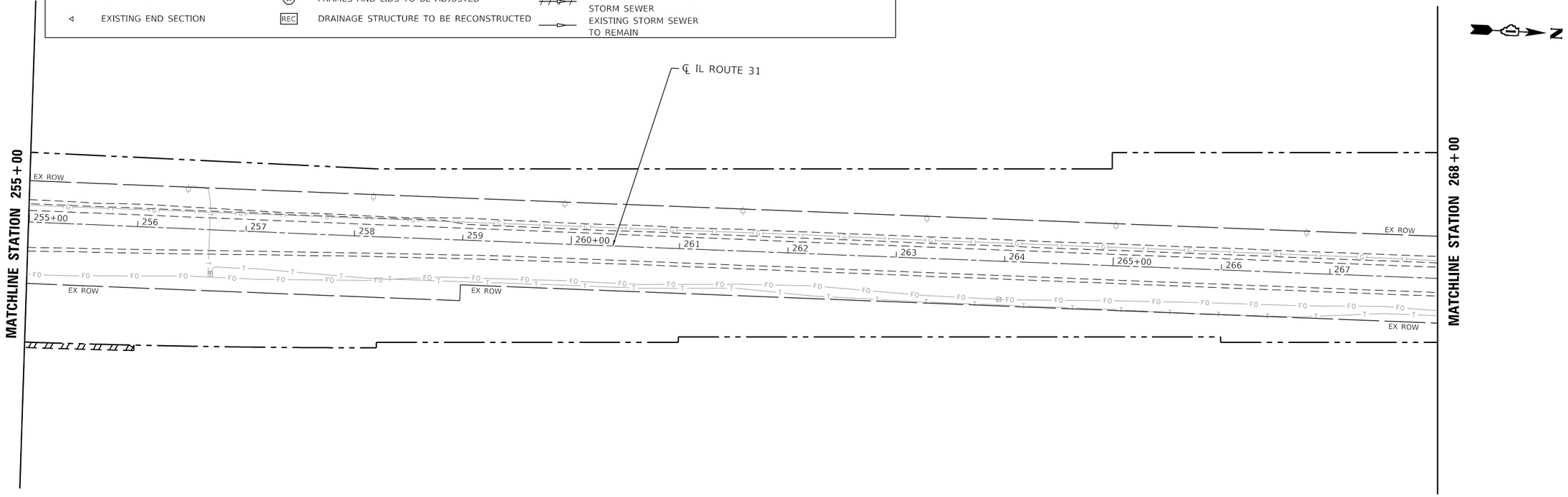
CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



EXISTING DRAINAGE LEGEND

- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- EXISTING END SECTION
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- R — DRAINAGE STRUCTURE TO BE REMOVED
- A — FRAMES AND LIDS TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- STORM SEWER REMOVAL
- PIPE CULVERT REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER
- EXISTING STORM SEWER TO REMAIN
- XXXX — EXISTING STRUCTURE ID
- XXXX — EXISTING PIPE ID



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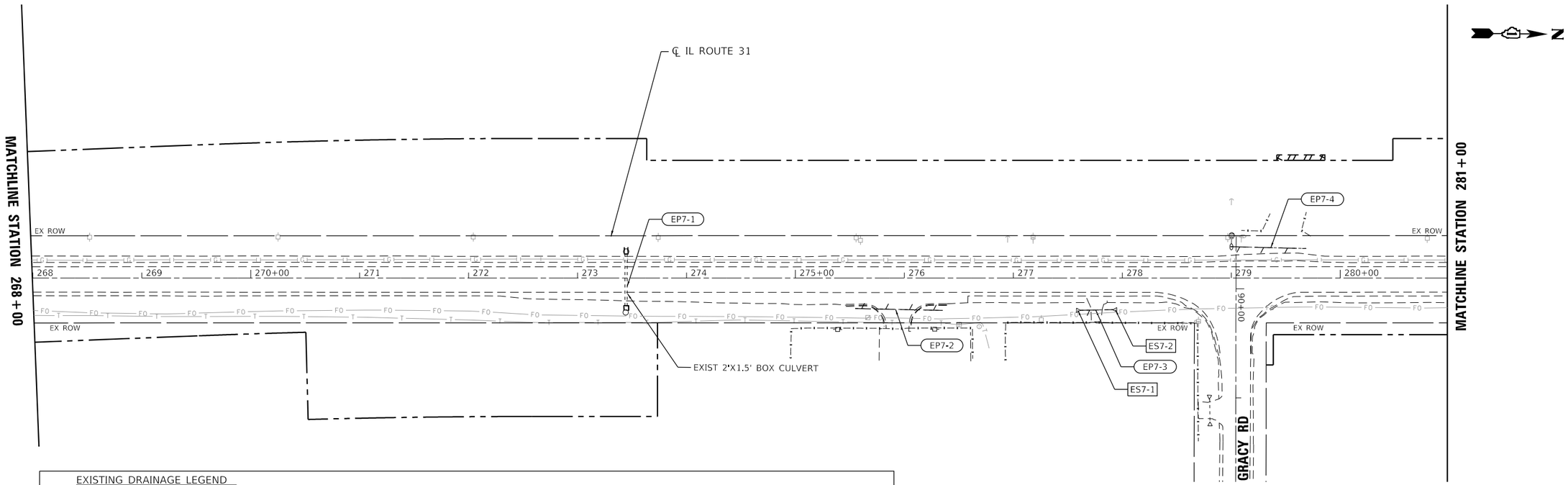
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

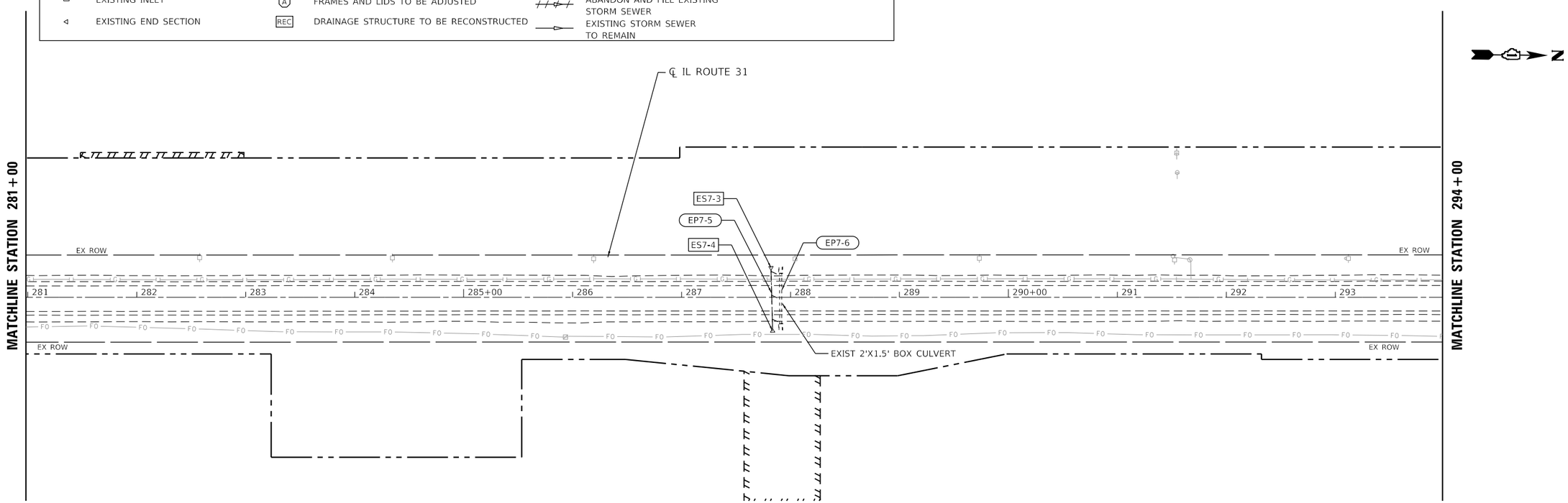
SCALE: 1"=50' | SHEET 6 OF 13 SHEETS | STA. 242+00 | TO STA. 268+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	357
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



EXISTING DRAINAGE LEGEND

●	EXISTING MANHOLE	ADJ	DRAINAGE STRUCTURE TO BE ADJUSTED		STORM SEWER REMOVAL	XXXX	EXISTING STRUCTURE ID
○	EXISTING CATCH BASIN	R	DRAINAGE STRUCTURE TO BE REMOVED		PIPE CULVERT REMOVAL	XXXX	EXISTING PIPE ID
▭	EXISTING INLET	A	FRAMES AND LIDS TO BE ADJUSTED		ABANDON AND FILL EXISTING STORM SEWER		
◁	EXISTING END SECTION	REC	DRAINAGE STRUCTURE TO BE RECONSTRUCTED		EXISTING STORM SEWER TO REMAIN		



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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

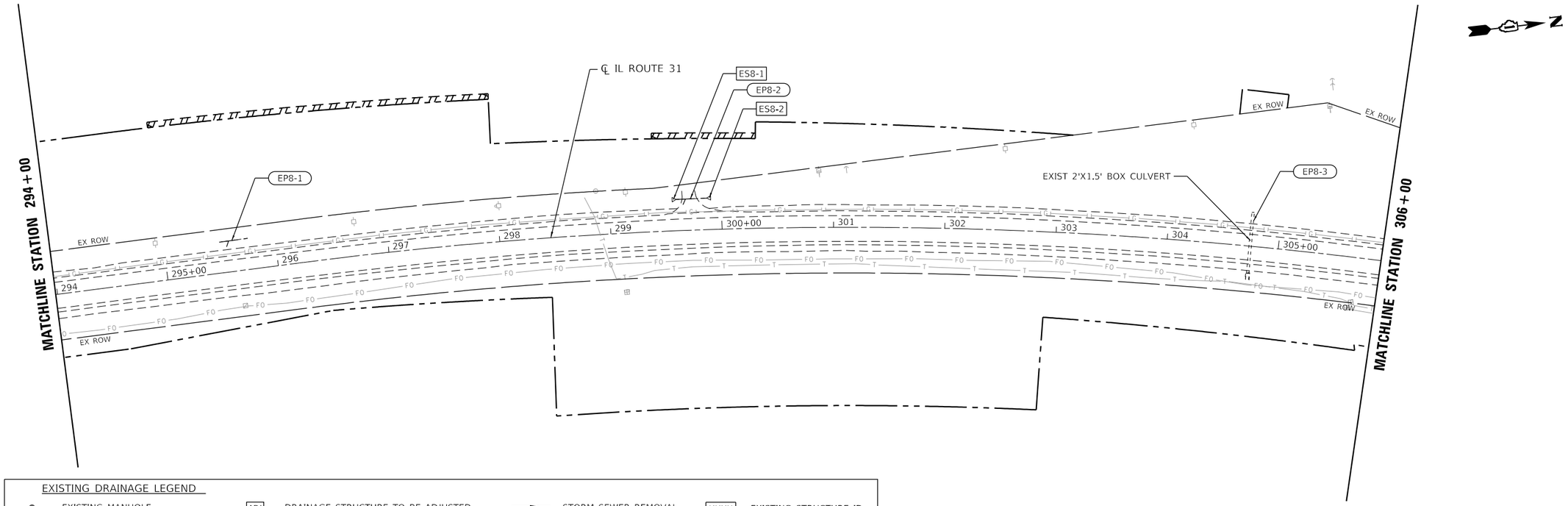
DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 13 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	358

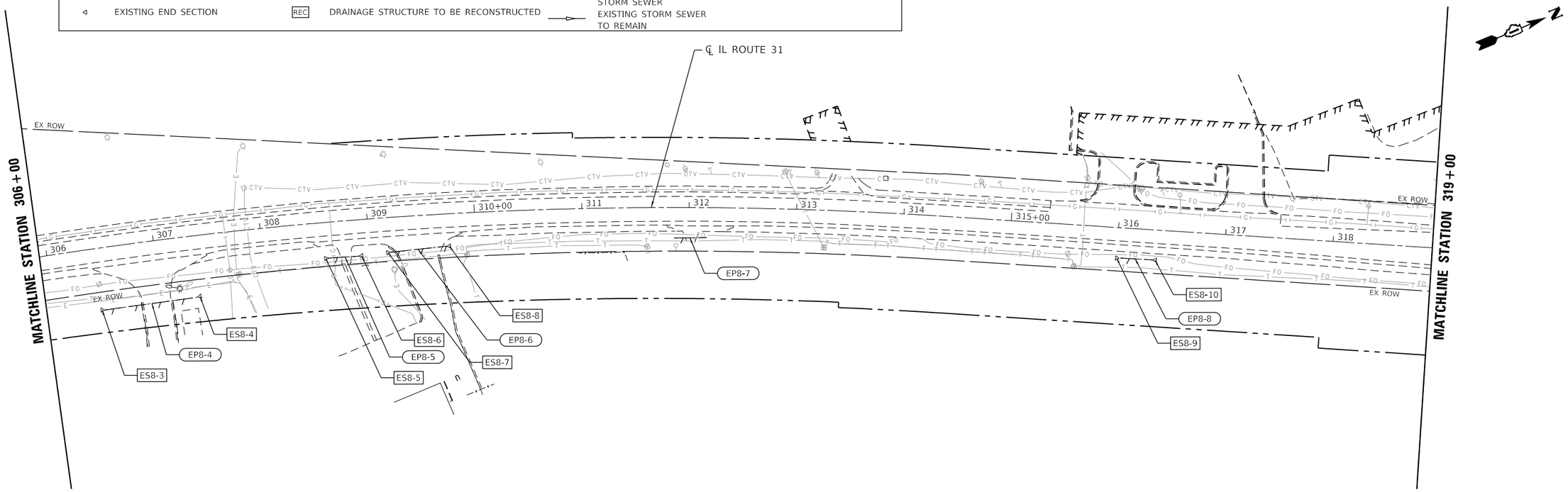
CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



EXISTING DRAINAGE LEGEND

EXISTING MANHOLE	ADJ DRAINAGE STRUCTURE TO BE ADJUSTED	STORM SEWER REMOVAL	XXXX EXISTING STRUCTURE ID
EXISTING CATCH BASIN	R DRAINAGE STRUCTURE TO BE REMOVED	PIPE CULVERT REMOVAL	XXXX EXISTING PIPE ID
EXISTING INLET	A FRAMES AND LIDS TO BE ADJUSTED	ABANDON AND FILL EXISTING STORM SEWER	
EXISTING END SECTION	REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED	EXISTING STORM SEWER TO REMAIN	



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	DRAWN - HRG	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
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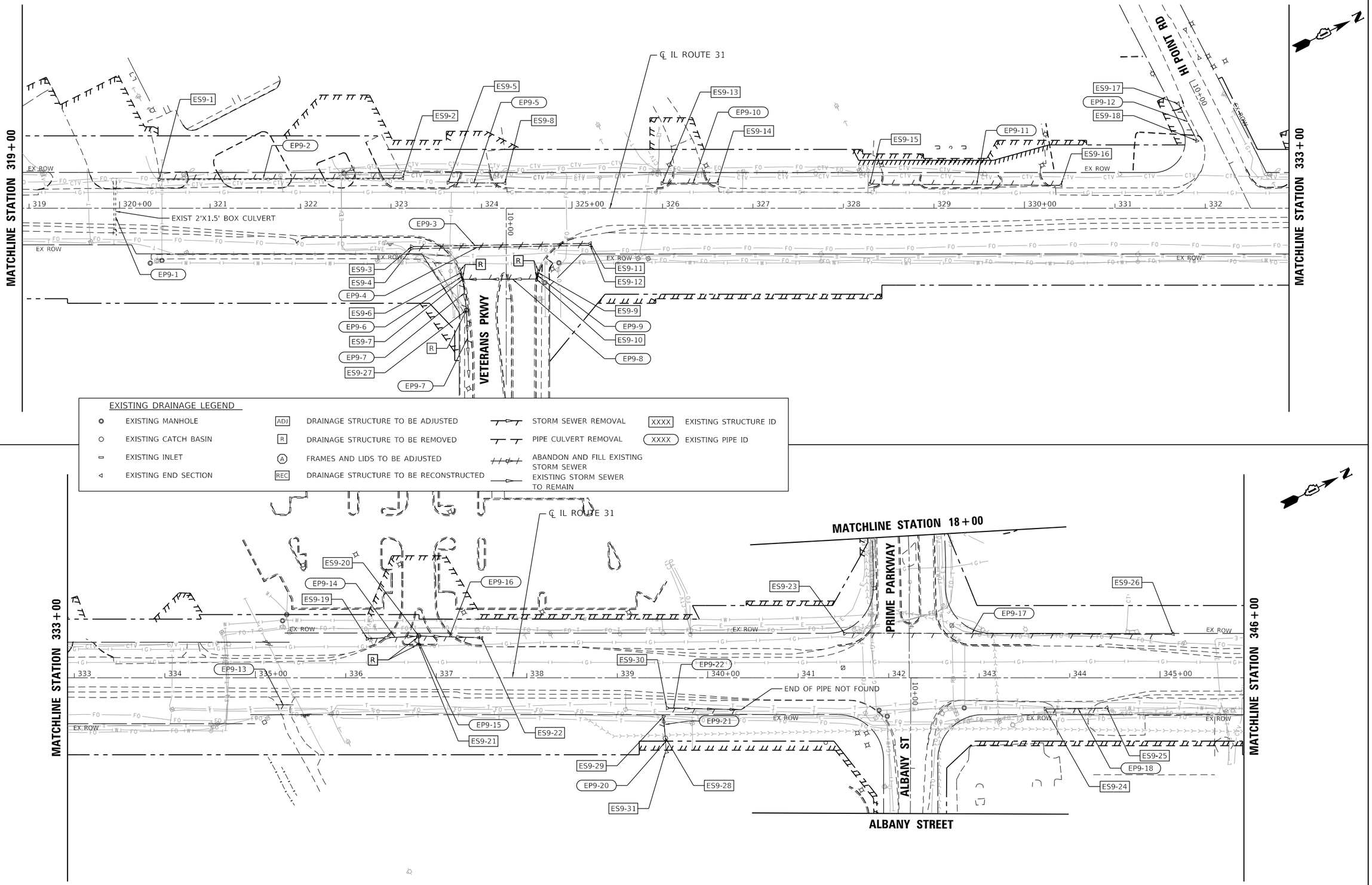
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -			

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	359
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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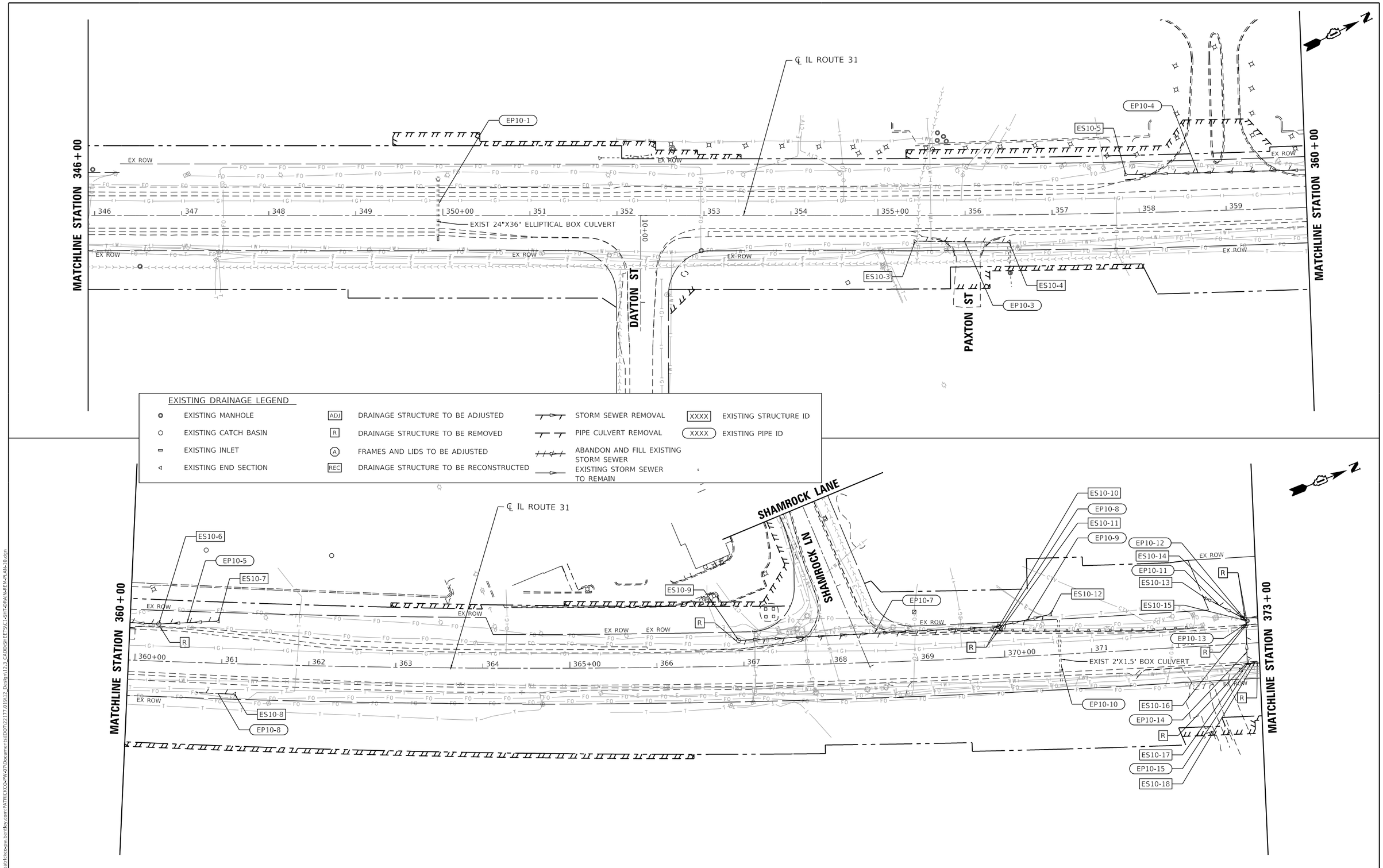
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 13 SHEETS | STA. 319+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	360
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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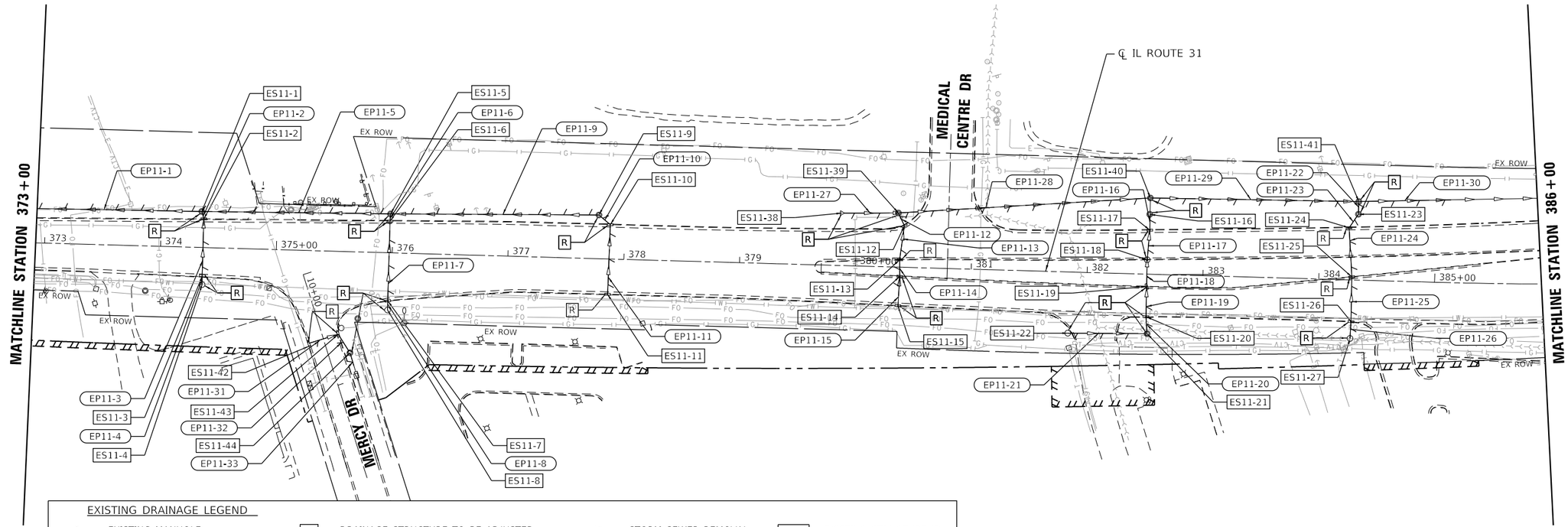
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -	
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

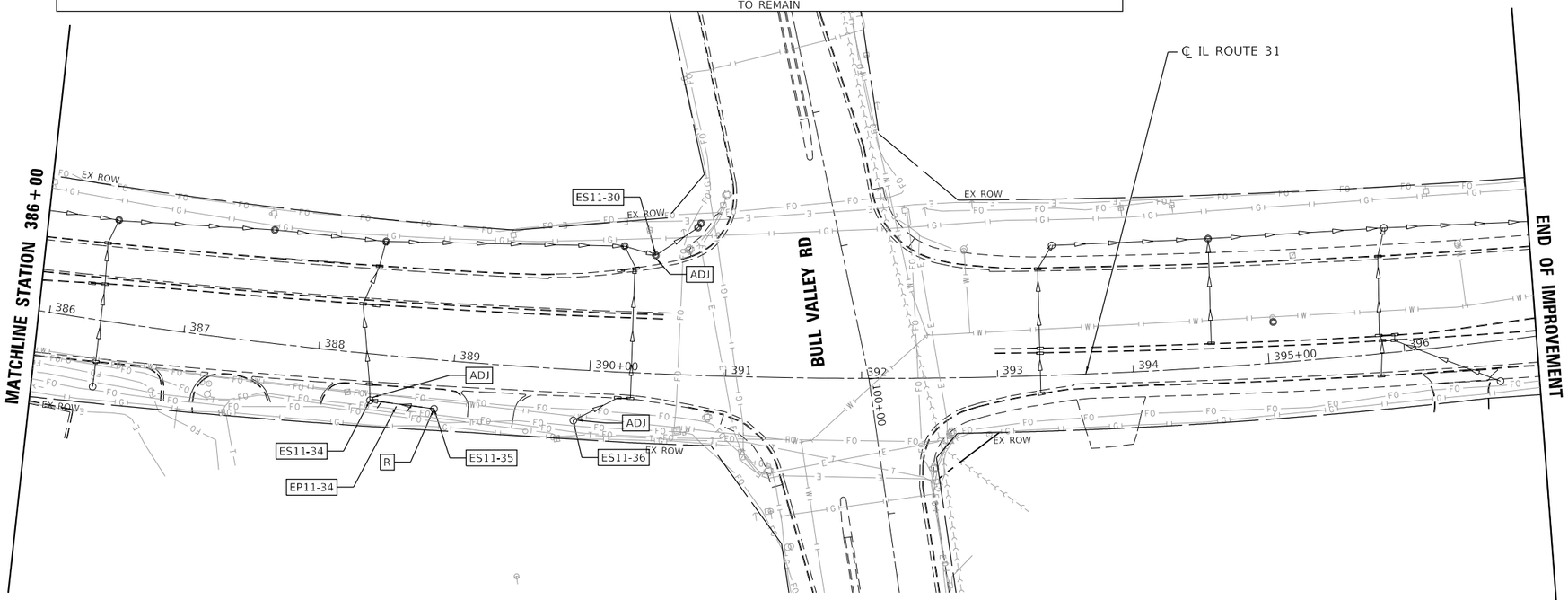
SCALE: 1"=50' | SHEET 10 OF 13 SHEETS | STA. 346+00 TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	361
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



EXISTING DRAINAGE LEGEND

EXISTING MANHOLE	ADJ	DRAINAGE STRUCTURE TO BE ADJUSTED		STORM SEWER REMOVAL	XXXX EXISTING STRUCTURE ID
EXISTING CATCH BASIN	R	DRAINAGE STRUCTURE TO BE REMOVED		PIPE CULVERT REMOVAL	XXXX EXISTING PIPE ID
EXISTING INLET	A	FRAMES AND LIDS TO BE ADJUSTED		ABANDON AND FILL EXISTING STORM SEWER	
EXISTING END SECTION	REC	DRAINAGE STRUCTURE TO BE RECONSTRUCTED		EXISTING STORM SEWER TO REMAIN	



END IMPROVEMENT
STA. 397+00
COORDINATE WITH
CONTRACT 2

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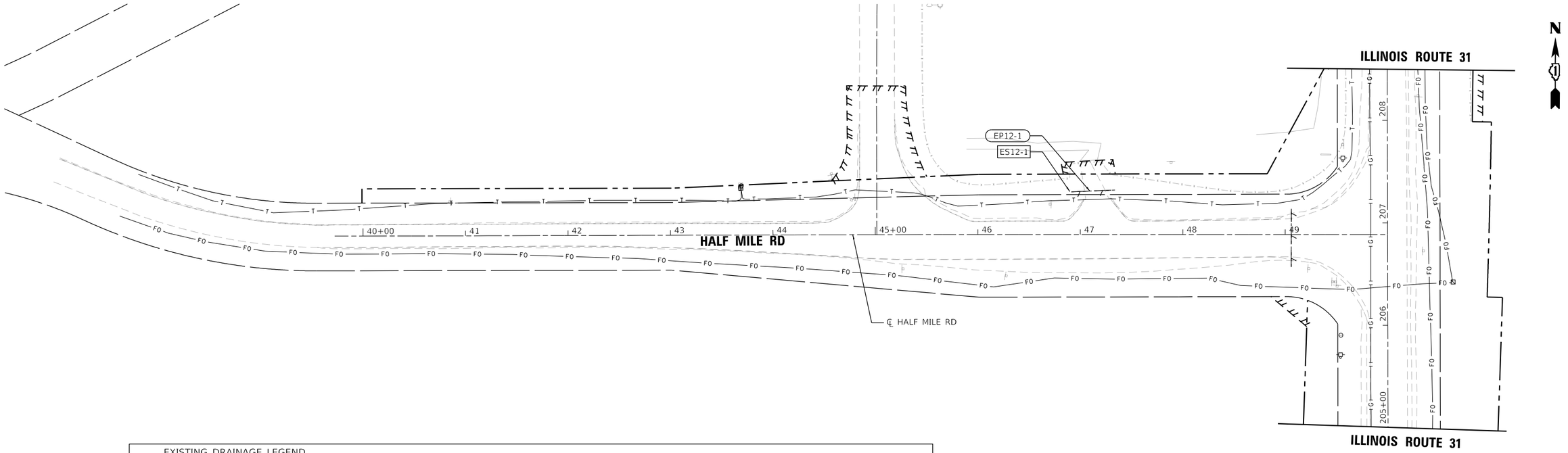
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL PLAN
ILLINOIS ROUTE 31

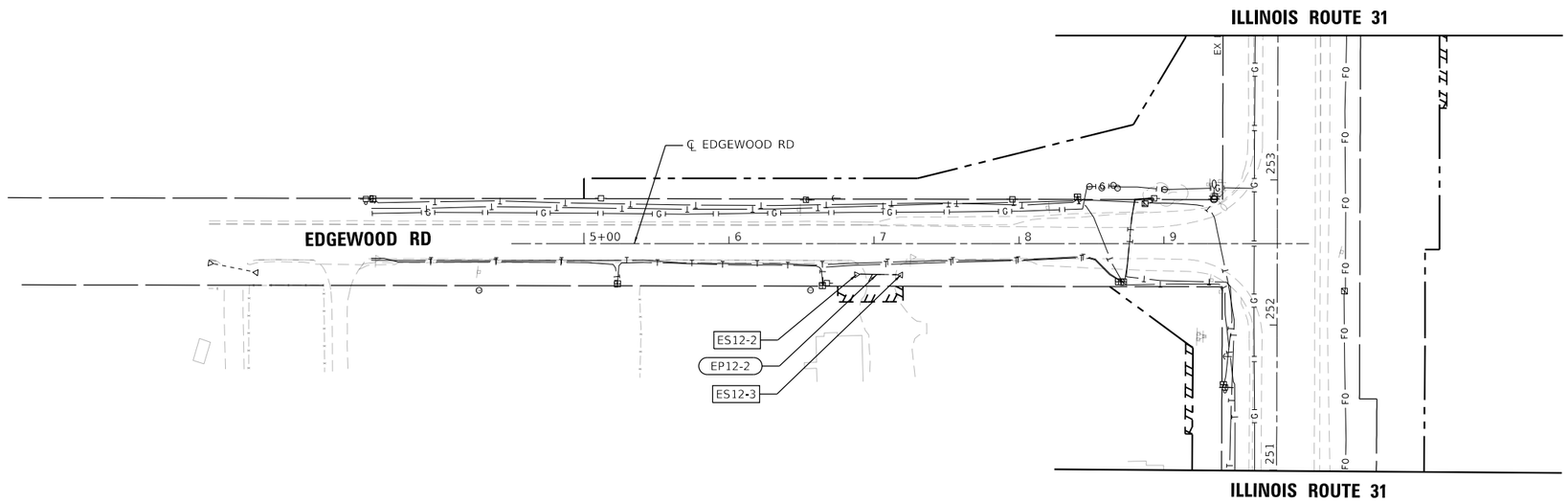
SCALE: 1"=50' | SHEET 11 OF 13 SHEETS | STA. 373+00 | TO STA. 397+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	362
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



EXISTING DRAINAGE LEGEND

EXISTING MANHOLE	DRAINAGE STRUCTURE TO BE ADJUSTED	STORM SEWER REMOVAL	XXXX EXISTING STRUCTURE ID
EXISTING CATCH BASIN	DRAINAGE STRUCTURE TO BE REMOVED	PIPE CULVERT REMOVAL	XXXX EXISTING PIPE ID
EXISTING INLET	FRAMES AND LIDS TO BE ADJUSTED	ABANDON AND FILL EXISTING STORM SEWER	
EXISTING END SECTION	DRAINAGE STRUCTURE TO BE RECONSTRUCTED	EXISTING STORM SEWER TO REMAIN	



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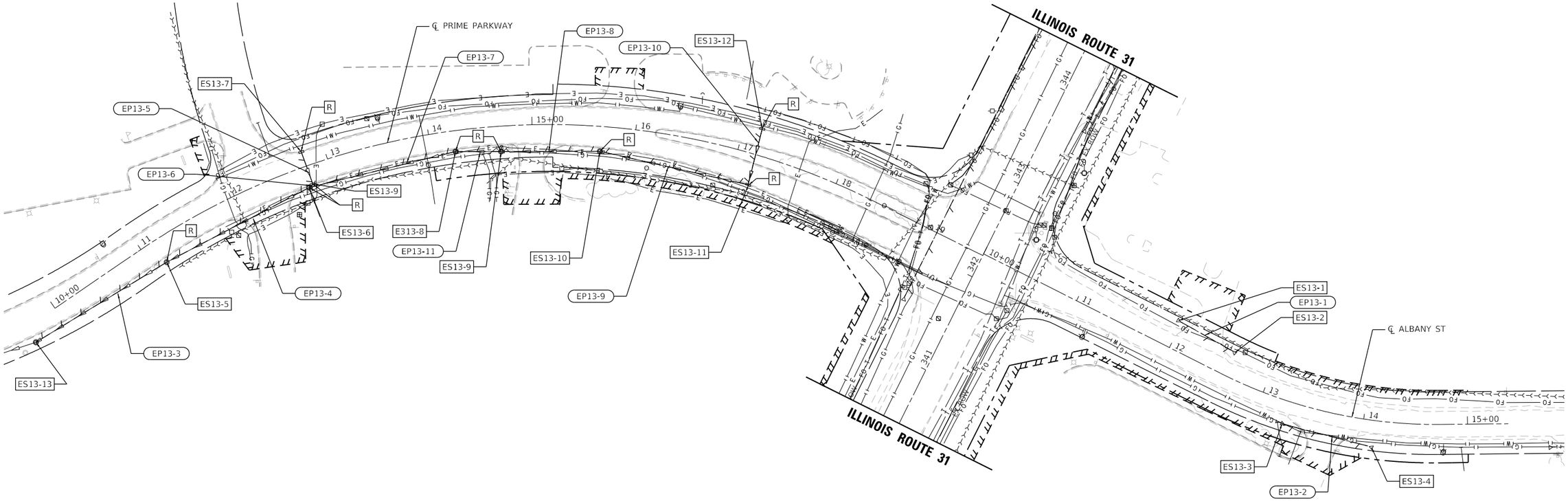
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL PLAN
HALF MILE TRAIL /EDGEWOOD ROAD

SCALE: 1"=50' | SHEET 12 OF 13 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	363
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



EXISTING DRAINAGE LEGEND

●	EXISTING MANHOLE	ADJ	DRAINAGE STRUCTURE TO BE ADJUSTED		STORM SEWER REMOVAL	XXXX	EXISTING STRUCTURE ID
○	EXISTING CATCH BASIN	R	DRAINAGE STRUCTURE TO BE REMOVED		PIPE CULVERT REMOVAL	XXXX	EXISTING PIPE ID
▭	EXISTING INLET	A	FRAMES AND LIDS TO BE ADJUSTED		ABANDON AND FILL EXISTING STORM SEWER		
◁	EXISTING END SECTION	REC	DRAINAGE STRUCTURE TO BE RECONSTRUCTED		EXISTING STORM SEWER TO REMAIN		

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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL PLAN
PRIME PRKWY /ALBANY STREET

SCALE: 1"=50' | SHEET 13 OF 13 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	364
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	EAST	SOUTH	WEST
S1-01	125+01.7	56.6	60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	883.72	874.78		874.63	875.28
S2-01	126+90.08	-55.2	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	884.50		880.81		
S2-02	129+77.06	-50.6	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	886.90		883.05		
S2-03	133+02.88	44.7	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	890.00	883.64		883.64	885.94
S2-04	134+52.21	46.0	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	891.86	884.78		884.78	887.58*
S2-05	136+48.37	47.1	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	894.61	886.30		886.30	889.31
S2-06	136+71.69	47.7	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	894.96	886.45	886.45	886.45	891.15*
S2-07	136+71.70	64.6	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-				886.53
S2-08	137+71.18	155.6	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-				888.22
S2-09	137+68.47	91.1	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-		887.55		
S2-10	138+28.13	33.5	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	896.88				893.28
S2-11	138+44.89	-30.6	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	897.25				893.75
S2-12	138+62.19	-48.4	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	898.40	891.75	893.29	891.75	
S2-14	127+29.00	-14.8		EXISTING CATCH BASIN TO REMAIN			880.47EX		880.57EX
S2-15	129+74.00	-36.4		EXISTING CATCH BASIN TO REMAIN			882.87EX		882.87EX
S2-16	129+77.50	65.7	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	886.30				883.36
ES1-10	129+77.50	55.6		EXISTING CATCH BASIN TO REMAIN	886.50	880.69EX	883.29	880.69EX	883.29EX
S3-01	139+60.00	-40.2	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	898.50	892.90	893.40	892.90	
S3-02	139+60.00	-31.1	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	898.92				893.56
S3-03	139+60.00	31.4	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	898.92				895.14
S3-04	140+52.00	-42.3	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	899.90	894.09	894.59	894.09	
S3-05	140+52.00	-31.3	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	900.19				894.67
S3-06	140+52.00	31.4	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	900.20		896.14		
S3-07	141+60.00	-47.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	903.00	895.49	895.99	895.49	
S3-08	141+60.00	-33.7	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	901.68				896.05
S3-09	141+60.00	33.7	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	901.96		897.61		
S3-10	141+53.28	56.6	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	900.61				897.56
S3-11	143+25.00	-47.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	903.40	897.64	898.14	897.64	
S3-12	143+25.00	-37.3	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	903.98				898.25
S3-13	143+25.00	37.3	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	903.96	899.24		899.24	
S3-14	142+98.71	46.7	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	904.11	899.00	899.00	898.74	
S3-15	145+23.00	-47.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	907.00		900.71	900.21	
S3-16	145+23.00	-39.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	906.71	902.23	900.85		900.85
S3-17	145+23.00	39.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	906.71		902.43		902.43
S3-18	139+01.70	-47.7	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	897.00	892.20		892.20	
S3-19	146+00.00	-39.8	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	907.77			903.77	
S3-20	147+30.56	81.8	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-		902.20		
S3-21	147+33.74	-57.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	908.77	902.53	904.40		902.53
S3-22	147+30.00	-39.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	909.57		904.51		904.51
S3-23	147+30.00	8.8	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	910.54	906.25	904.75		904.75
S3-24	147+30.00	39.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	909.57		904.90		904.90
S3-25	147+35.09	65.2	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	908.00	905.03			905.03
S3-26	147+87.20	68.0	60236200	INLETS, TYPE A, TYPE 8 GRATE	908.69			905.29	
S3-27	147+68.86	7.5	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	911.05			906.75	
S3-28	148+75.00	-56.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	911.02	904.87	906.94	904.87	
S3-29	148+75.00	-39.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	911.56		907.40		907.40
S3-30	148+75.00	3.1	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	912.42		907.61		907.61
S3-31	148+75.00	40.3	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	911.56				907.79
S3-32	150+05.00	-56.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	912.17		908.18	907.01	
S3-33	150+05.00	-39.1	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	912.72		908.28		908.28
S3-34	150+05.00	47.2	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	912.63	908.71			908.71
S3-35	150+50.00	50.8	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	912.93			908.93	
S3-36	151+20.00	81.1	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	909.50	903.65		903.65	
S3-37	140+52.00	48.9	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	900.40	895.80*		895.80*	896.00
S3-38	151+96.17	-69.2	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	-		901.00		
S3-39	151+96.17	-69.2	X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	909.50		901.33		901.33
S3-40	152+00.00	-56.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	913.80	901.41	909.55		901.41
S3-41	143+02.73	57.5	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	903.80				899.09
S3-42	151+70.00	-105.7	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-		901.00		
S3-43	151+70.00	91.0	54244805	INLET BOX, STANDARD 542501	-			903.41	
S3-44	143+79.83	38.6	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	904.72			899.76	
S3-45	139+60.00	31.4	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	899.11	894.83*		894.83*	895.00
S3-46	141+60.00	48.0	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	901.88	897.15*	897.50	897.15*	897.50
S4-01	152+00.00	-39.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	914.35	909.73	909.73		909.73
S4-02	152+00.00	51.8	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	914.19				910.19
S4-03	152+69.80	-39.8	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	915.01			911.01	
S4-04	154+15.00	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	915.71	901.62	911.71	901.62	
S4-05	154+15.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	916.26	911.89	911.89		911.89
S4-06	154+15.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	916.26				912.26
S4-07	162+97.54	70.2	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	919.42				915.42
S4-08	154+44.58	63.7	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	915.54	909.57		909.57	
S4-09	154+70.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	916.72			912.72	
S4-10	155+60.00	-53.1	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	916.90		912.42		
S4-11	155+60.00	-45.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	917.75	901.76		901.76	912.34
S4-12	155+95.00	-45.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	918.04	901.79	913.31	901.79	
S4-13	155+95.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	917.77	913.41	913.41		913.41
S4-14	155+95.00	6.4	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	918.68		913.62		913.62
S4-15	155+95.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	917.77				913.77
S4-16	156+15.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	917.94			913.94	
S4-17	156+42.00	63.4	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	916.32	912.11		911.51	
S4-18	157+35.00	-53.1	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	918.84		914.84		
S4-19	157+35.00	-45.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	919.42	911.60	914.47	901.93	914.76
S4-20	157+35.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	918.94		914.57		914.57
S4-21	157+35.00	0.8	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	919.78		914.76		914.76
S4-22	157+35.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	918.94				914.94
S4-23	157+67.33	58.6	60236200	INLETS, TYPE A, TYPE 8 GRATE	917.38			913.34	
S4-24	158+34.00	-57.4	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	920.12		916.04		
S4-25	158+34.00	-45.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	920.30	913.49		913.49	915.88

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	EAST	SOUTH	WEST
S4-26	158+85.00	-45.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	920.69		915.36	914.43	
S4-27	158+85.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	920.19		915.46		915.46
S4-28	158+85.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	920.19				916.19
S4-30	162+60.00	62.0	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-				918.25
S4-31	162+75.00	40.7	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	919.62	914.95NE	916.76		914.95
S4-32	162+75.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	919.56		914.22		914.09
S4-33	162+75.00	-52.0	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	919.80	913.07	913.79		914.04
S4-34	162+75.00	-62.9	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	919.00		914.15		
S4-35	152+00.00	93.9	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			906.80	
S4-36	152+90.97	103.5	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	914.32	908.14	910.12	908.08	
S4-37	152+90.97	119.8	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	914.29				910.29
S4-38	153+45.68	101.7	60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	914.64	908.38	910.46	908.33	
S4-39	153+45.68	77.6	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	914.62	908.44		908.44	
S5-01	165+25.00	-56.6	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	911.15	899.60	905.94	906.43	
S5-02	165+25.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	912.50		906.15		906.15
S5-03	165+25.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	912.50		906.87		906.87
S5-04	165+25.00	59.6	60236200	INLETS, TYPE A, TYPE 8 GRATE	911.21				907.21
S5-05	167+75.00	-56.6	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	898.40	892.12	893.18	893.18	
S5-06	167+75.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	900.22		893.39		893.39
S5-07	167+75.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	901.02		893.75		893.75
S5-08	167+75.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	900.22		894.11		894.11
S5-09	167+75.00	59.6	60236200	INLETS, TYPE A, TYPE 8 GRATE	898.35				894.35
S5-10	169+48.75	-61.9	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			887.62	
S5-11	170+49.11	-59.7	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		880.99		
S5-12	170+25.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	885.32		881.05		881.05
S5-13	170+25.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	886.13		881.21		881.21
S5-14	170+25.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	885.32		881.37		881.37
S5-15	170+25.00	59.6	60236200	INLETS, TYPE A, TYPE 8 GRATE	883.48				881.47
S5-16	170+65.00	-63.1	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-			880.40	
S5-17	171+32.54	-65.1	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-	875.78			
S5-18	171+33.79	-65.1	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				866.02
S5-19	172+75.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	870.43		866.11		866.11
S5-20	172+75.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	870.43				866.47
S5-21	173+01.25	-66.7	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-			865.60	
S5-22	175+25.00	-62.5	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	857.40	843.52	849.68	849.15	
S5-23	175+25.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	855.63				850.45
S5-24	175+25.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	855.53	849.55			
S5-25	176+28.18	-51.8	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	850.00		836.56NE	841.74	842.74NW
S5-26	176+37.24	-60.1	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	847.21		843.04SE		
S5-27	176+35.00	-40.0	60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	848.95	833.00			836.47SW
S5-28	176+35.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	848.98	841.40		843.13	
S5-29	173-50.92	-64.5	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	867.41	852.40		864.70	
S6-01	177+83.30	-36.0	60224449	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 24 FRAME AND GRATE	840.14		831.57	831.57	
S6-02	177+83.30	36.0	60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	840.14		824.17	834.00	830.85
S6-03	177+83.40	76.9	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	-		823.83		
S6-04	177+96.30	-53.3	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	828.89		824.59		825.60
S6-05	177+96.21	84.0	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-				823.83
S6-06	179+70.19	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	829.02	823.71			
S6-07	179+77.59	79.6	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-			813.96	
S6-08	180+15.17	80.5	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-	814.31			
S6-09	180+65.00	-53.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	822.81	811.51	818.25		
S6-10	180+65.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.36		818.39		818.39
S6-11	180+65.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	824.19		818.75		818.75
S6-12	180+65.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.36			819.11	819.11
S6-13	181+50.00	-61.7	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-			812.00	
S6-14	182+65.00	-53.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	810.89	804.65	806.80	804.65	
S6-15	182+65.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	811.44				807.34
S6-16	182+64.80	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	811.44	806.56			
S6-17	184+00.00	-50.4	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	803.79		799.40	799.40	
S6-18	184+00.00	-36.0	60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	804.06		799.34		799.38
S6-19	184+00.00	0.0	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	804.88		799.28		799.28
S6-20	184+00.00	36.0	60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	804.06		799.22	799.81	799.22
S6-21	184+00.00	96.8	54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	-				799.10
S6-22	186+00.00	-56.0	60236200	INLETS, TYPE A, TYPE 8 GRATE	794.47		791.37		
S6-23	186+00.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	795.27		791.27		791.27
S6-24	186+00.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	796.09		791.09		791.09
S6-25	186+00.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	795.27		790.91		790.91
S6-26	186+20.32	95.8	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-		790.59		
S6-27	186+52.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	793.41	789.18			
S6-28	186+52.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	793.41	789.38			
S6-29	187+52.95	-5.2	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	791.27		787.57		
S6-30	187+82.37	84.5	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				787.10
S6-31	189+00.00	-61.0	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		784.40		
S6-32	189+00.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	786.86				784.56
S6-33	189+00.00	47.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	786.65		783.05		
S6-34	189+14.40	93.8	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				782.80
S6-35	183+30.75	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	806.62	801.09		802.50	803.54EX
S7-01	190+14.58	47.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	784.95	780.95			
S7-02	190+59.00	49.1	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		780.15		
S7-03	190+59.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	784.74		780.32		780.32
S7-04	190+59.00	-66.2	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	784.42			780.74	780.74
S7-05	191+75.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	783.75	779.75			
S7-06	192+25.00	-49.6	-	N/A - HOLE IN WALL	-				777.39
S7-07	192+25.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	783.31		778.58	778.58	777.51
S7-08	192+25.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	783.31				779.31
S7-09	193+40.44	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	782.32	778.32			
S7-10	194+04.13	-71.7	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		774.94		
S7-11	194+00.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	781.81			777.81	776.02

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	DRAWN - HRG	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -	
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES
STRUCTURE SCHEDULE

SCALE: NTS | SHEET 1 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	365
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	INVERT ELEV. EAST	INVERT ELEV. SOUTH	INVERT ELEV. WEST
S7-12	194+00.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	781.81		777.81		
S7-13	194+00.00	73.4	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				775.00
S7-14	195+59.78	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	780.44	776.44			
S7-15	196+05.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	780.05		774.36		
S7-16	196+05.00	77.2	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				773.25
S7-17	196+15.00	-70.4	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		773.57		
S7-18	196+15.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	779.96		776.01	776.01	774.59
S7-19	196+15.00	0.0	60236200	INLETS, TYPE A, TYPE 8 GRATE	780.79				776.79
S7-20	196+24.80	-72.3	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-	773.40			
S7-21	197+00.00	-71.9	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			773.02	
S7-22	197+09.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	779.16	772.19	772.19		
S7-23	197+09.00	73.6	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		772.00		
S7-24	198+05.00	-73.4	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		772.84		
S7-25	198+05.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	778.34		774.39		774.39
S7-26	198+05.00	0.0	60236200	INLETS, TYPE A, TYPE 8 GRATE	779.20				775.70
S7-27	198+18.47	-77.2	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			772.25	
S7-28	198+78.26	-76.9	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-	771.86			
S7-29	198+80.19	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	777.69			772.66	
S7-31	199+50.00	-72.9	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		771.20		
S7-32	199+50.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	777.10				773.55
S7-33	200+94.55	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	775.85	771.85			
S7-34	201+60.00	-68.0	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				770.65
S7-35	201+60.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	775.30		771.30		771.30
S7-36	201+60.00	-3.9	60236200	INLETS, TYPE A, TYPE 8 GRATE	776.20				771.46
S7-37	201+60.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	775.30		771.35	771.35	
S7-38	201+60.00	66.5	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		771.19		
S7-39	192+90.60	-49.6	-	N/A - HOLE IN WALL	-		776.50		
S7-40	192+90.60	80.0	54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	-				775.75
S7-41	200+34.62	-76.4	54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	-		770.00		
S7-42	200+34.62	54.0	-	N/A - HOLE IN WALL	-				769.29
S8-01	203+10.00	-68.6	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		768.70		
S8-02	203+10.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	774.01				770.01
S8-03	203+10.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	774.01	769.47	769.47		
S8-04	203+50.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	773.67			769.67	
S8-05	204+60.00	-71.4	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		767.41		
S8-06	204+60.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	772.73				768.73
S8-07	204+60.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	772.73		768.73		
S8-08	204+60.00	71.2	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				766.40
S8-09	205+20.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	772.36	768.36			
S8-13	205+65.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	772.25	768.14		768.14	
S8-14	205+75.20	-70.9	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		767.76		
S8-15	205+80.00	-40.5	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	772.09				768.18
S8-17	205+80.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	772.25	768.02	768.02	768.02	
S8-18	205+80.00	68.6	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				767.94
S8-21	206+15.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	772.27	768.22		768.22	
S8-22	206+50.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	772.39			768.39	
S8-23	206+00.00	-78.8	54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	-			767.84	
S8-24	207+59.00	-79.2	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	771.50	768.29		768.29	768.59
S8-25	207+34.74	-79.2	60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	771.99	768.23		768.23	
S8-26	207+59.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	772.93	768.92	768.92		
S8-27	207+59.00	63.8	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		768.80		
S8-28	208+50.00	-60.6	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	773.40	768.56	769.10	768.56	
S8-29	208+50.00	-47.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	773.16				769.16
S8-30	208+50.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	773.38	769.26		769.26	
S8-32	209+45.28	-60.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	773.89	769.04	769.60	769.04	
S8-33	209+45.28	-47.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	773.64	769.67			769.67
S8-34	209+45.28	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	773.86	769.72		769.72	
S8-35	210+00.00	-45.6	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	773.94			769.94	
S8-36	210+98.00	-54.3	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	774.74		770.46	769.92	
S8-37	210+98.00	-40.7	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	774.53	770.51			770.51
S8-38	210+98.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	774.63	770.47		770.47	
S8-39	211+85.00	-36.4	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	775.05			770.98	
S8-40	211+85.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	775.05			770.89	
S8-41	213+55.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	775.93		771.93		
S8-42	213+55.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	775.93	771.57	771.57		771.57
S8-43	213+50.00	72.3	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		770.90		
S8-44	214+00.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	776.26		772.26		
S8-45	214+00.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	777.09		772.08		772.08
S8-46	214+00.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	776.26			771.90	771.90
S8-47	203+10.00	67.2	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		769.10		
S8-48	207+60.78	-90.0	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-		769.00		
S8-49	206+50.78	-78.1	60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	771.38	767.99		767.99	
S9-01	216+00.00	65.0	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-				767.00
S9-02	216+18.00	-60.7	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	777.00		769.01		769.80 E
S9-03	216+18.00	-48.0	60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	779.84	768.98	768.98		768.98
S9-04	216+18.00	-36.0	60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	779.71		768.81		768.81
S9-05	216+18.00	0.0	60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	780.50		768.30		768.30
S9-06	216+18.00	36.0	60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	779.71		768.30	767.28	767.80
S9-07	216+18.00	65.4	54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	-				767.88
S9-08	216+00.00	36.0	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	779.29	767.17	767.17		
S9-09	216+27.50	71.6	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-	767.50			
S9-10	217+33.96	-44.0	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	782.95	774.83EX		769.31	
S9-11	217+55.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	783.34		779.34		
S9-12	217+55.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	783.34		776.22		778.61
S9-13	217+55.00	71.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	779.39	774.14		769.26	775.14
S9-16	218+76.94	76.0	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	783.90	779.01		776.38	
S9-19	219+00.00	95.1	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-			779.40	
S9-20	219+10.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	788.86		784.86		

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	INVERT ELEV. EAST	INVERT ELEV. SOUTH	INVERT ELEV. WEST
S9-22	219+10.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	788.86		783.50		784.50
S9-23	219+10.00	87.4	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				779.40
S9-26	219+98.92	-56.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	792.70	789.32EX		789.32EX	
S9-27	221+30.00	-63.4	54244805	INLET BOX, STANDARD 542501	-				794.95
S9-28	221+10.00	93.2	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-		787.60		
S9-29	221+22.86	92.8	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-		789.00		
S9-31	221+60.00	-36.2	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	800.02		796.02		
S9-33	221+60.00	35.7	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	800.02		795.29		795.29
S9-34	221+42.27	55.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	800.60	794.09	789.77		795.09
S9-35	224+10.00	-36.2	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	811.42		807.42		
S9-37	224+10.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	811.42		806.69		806.69
S9-38	224+10.00	55.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	811.58	805.49		800.24	806.49
S9-39	226+60.00	-36.2	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	822.82		818.82		
S9-40	226+60.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	823.66		818.45		818.45
S9-41	226+60.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	822.82		818.09		818.09
S9-42	226+60.00	55.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	822.97	816.89		811.64	817.89
S10-01	229+10.00	-36.2	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	834.21		830.21		
S10-02	229+10.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	834.62		829.84		829.84
S10-03	229+10.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	834.21		829.48		829.48
S10-04	229+10.00	55.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	834.14			823.04	829.28
S10-05	231+50.00	-69.6	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-		839.00		
S10-06	231+60.00	-36.0	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	845.61		839.23		839.23
S10-07	231+60.00	0.0	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	846.38		839.45		839.45
S10-08	231+60.00	36.0	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	845.61		839.67		839.67
S10-09	231+60.00	57.2	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	844.87	840.40			839.80
S10-11	234+10.00	-36.2	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	855.46		851.46		
S10-12	234+10.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	856.27		851.28		851.28
S10-13	234+10.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	855.46		851.10		851.10
S10-14	234+10.00	57.2	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	854.62	850.20		845.81	850.66
S10-16	236+00.00	-59.1	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	858.88	855.35		855.35	
S10-17	236+60.00	-36.2	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	861.40		857.40		
S10-18	236+60.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	861.40	857.04	857.04		857.04
S10-19	236+60.00	57.2	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	860.55			855.61	856.60
S10-21	238+00.00	-58.6	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	861.21			856.77	
S10-22	239+06.69	-58.6	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	861.62			857.52	858.00
S10-23	240+00.00	-51.4	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	862.39	859.12			
S10-24	240+30.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	862.99	858.99			
S10-25	240+95.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	862.66		858.69	858.69	
S10-26	240+95.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	862.66		858.19		858.19
S10-27	240+95.00	58.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	862.03	857.41			858.08
S10-28	241+65.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	862.30		858.30		
S10-29	241+65.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	862.30		857.86		857.86
S10-30	241+65.00	58.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	861.68	857.08		857.08	857.73
S10-31	241+69.43	-51.4	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	861.38	858.12		858.12	
S10-32	237+50.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	862.58			858.58	
S10-33	235+33.00	-64.8	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-			854.97	
S11-01	242+34.38	-58.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	863.10	857.81		857.81	857.82
S11-02	242+50.00	-66.0	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			857.73	
S11-03	242+70.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	861.78	857.78			
S11-04	243+30.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	861.48		857.25	857.25	
S11-05	243+30.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	861.48		856.61		856.61
S11-06	243+30.00	58.5	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	860.85	856.28		856.28	856.40
S11-07	243+61.66	-68.7	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-	857.40			
S11-08	244+20.00	-68.7	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			857.22	
S11-09	244+52.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	860.85		856.85		
S11-10	245+42.04	-2.4	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	860.68	856.38			
S11-11	244+52.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	860.85		856.35		856.35
S11-12	244+52.00	58.5	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	860.24	855.69		855.69	856.19
S11-13	245+71.37	-67.4	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			856.76	
S11-14	245+08.19	-67.7	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-	856.96			
S11-15	245+80.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	860.22		856.22		
S11-16	245+80.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	861.02		856.00	856.00	856.00
S11-17	245+80.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	860.22		855.79		855.79
S11-18	245+80.00	58.5	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	859.64	855.14		855.14	855.72
S11-19	246+25.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	860.10	856.10			
S11-20	246+50.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	860.07	855.35	855.35	855.35	
S11-21	246+50.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	860.80		855.17		855.17
S11-22	246+50.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	860.07	854.99	854.99	854.99	854.99
S11-23	246+50.00	58.5	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	859.50	854.85		854.85	854.85
S11-24	246+25.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	860.10	856.10			
S11-25	246+75.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	860.10			856.10	
S11-26	246+75.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	860.10			856.10	
S11-27	246+42.92	-68.6	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			856.29	
S11-28	247+11.27	-70.8	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-	855.85			
S11-29	247+13.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	860.19		856.19		
S11-30	247+13.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	861.00		856.01		856.01
S11-31	247+13.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	860.19		855.83		855.83
S11-32	247+13.00	58.5	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	859.57	854.56		854.56	855.09
S11-33	247+59.82	58.7	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	859.78		854.38	854.38	
S11-34	247+68.08	76.6	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-		854.30		
S11-35	247+93.72	76.3	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-		854.30		
S11-36	248+00.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	860.60		856.60		
S11-37	248+00.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	860.60		855.72		855.72
S11-38	248+00.00	58.4	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	860.03	854.55	854.55		855.45
S11-39	248+50.50	-72.4	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			856.10	
S11-40	249+11.66	-71.2	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-	856.72			
S11-41	249+15.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	861.19		857.19		
S11-42	249+15.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	861.19	856.65	856.65		856.65
S11-43	249+15.00	58.4	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	860.61	855.54		855.54	856.48

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	EAST	SOUTH	WEST
S11-44	249+90.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	861.56			857.56	
S11-45	250+07.28	-69.3	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-			857.67	
S11-46	250+78.41	-66.7	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-	858.48			
S11-47	250+70.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	861.96		857.96		
S11-48	250+70.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	861.96		857.51		857.51
S11-49	250+70.00	58.4	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	861.38			856.89	857.38
S11-50	254+70.00	-62.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	858.93	852.71	854.97		
S11-51	254+70.00	-48.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	859.44		855.12		855.12
S11-52	254+70.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	859.67				855.67
S11-53	247+83.53	-71.7	54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	-		854.55		
S11-54	247+81.58	76.2	54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	-				854.05
S12-01	256+50.65	-53.8	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	855.72	849.38	851.55	849.38	
S12-02	256+50.65	-39.2	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	856.23				851.73
S12-03	257+20.11	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	854.44	848.04	850.11	848.04	
S12-04	257+20.11	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	854.99		850.43		850.43
S12-05	257+20.11	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	854.99				850.79
S12-06	257+95.16	-60.5	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		851.00		
S12-07	258+00.00	-53.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	852.94	846.45		846.45	850.68
S12-08	259+70.00	-55.0	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	850.30	843.72	845.54	843.72	
S12-09	259+70.00	-36.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	849.75		845.64		845.64
S12-10	259+70.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	851.11		846.12		846.12
S12-11	259+70.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	850.30				846.30
S12-12	262+20.00	-55.0	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	845.06	838.40	841.02	839.67	
S12-13	262+20.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	845.61		841.25		841.25
S12-14	262+20.00	-4.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	846.47		841.41		841.41
S12-15	262+20.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	845.61				841.61
S12-16	264+40.00	-55.0	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	841.22	836.03	837.32	836.03	
S12-17	264+40.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	841.77		837.41		837.41
S12-18	264+40.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	841.77			837.77	837.77
S12-19	265+40.00	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	840.28	835.63	836.37	835.55	
S12-20	265+40.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	840.82		836.46		836.46
S12-21	265+40.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	840.82				836.82
S12-22	266+40.00	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	839.74	835.07	835.81	835.07	
S12-23	266+40.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	840.26		835.90		835.90
S12-24	266+40.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	840.26				836.26
S12-25	267+25.00	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	839.31	834.67	835.35	834.67	
S12-26	267+25.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	839.86		835.44		835.44
S12-27	267+25.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	839.86				835.80
S12-28	263+80.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	842.66	838.66			
S13-01	268+10.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	839.34	835.34			
S13-02	268+75.00	-53.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	838.54	833.95	834.53	833.95	
S13-03	268+75.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	839.09		834.62	834.62	834.62
S13-04	268+75.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	839.09				834.98
S13-05	269+65.22	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	838.63	834.49			
S13-06	270+09.95	-53.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	837.85	833.74	833.97	833.74	
S13-07	270+09.95	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	838.40			834.24	834.24
S13-08	270+09.95	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	838.40	834.24			
S13-09	270+92.50	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	838.18		833.59	833.59	
S13-10	271+00.00	-36.0	60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	837.95		833.57		833.57
S13-11	271+00.00	0.0	60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	838.75		833.51		833.51
S13-12	271+00.00	36.0	60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	837.95		833.45	833.79	833.45
S13-13	271+00.00	71.7	54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	-		833.40		
S13-14	272+70.30	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	837.07	833.62			833.62
S13-15	272+70.30	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	837.07	833.73	833.73		
S13-16	272+70.30	70.7	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				833.58
S13-17	273+05.97	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	836.89			833.80	
S13-19	273+05.51	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	836.89			833.90	
S13-20	275+05.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	835.73		831.54		
S13-21	275+05.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	835.73		831.18		831.18
S13-22	275+05.00	58.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	834.92	830.36			831.07
S13-23	275+70.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	835.34		831.19		
S13-24	275+70.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	835.34		830.58		830.58
S13-25	275+70.00	58.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	834.27	829.60		829.60	830.34
S13-28	276+75.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	834.61		830.61		
S13-29	276+75.00	58.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	833.62	829.30		829.30	830.50
S13-30	277+44.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	834.24		830.24		
S13-31	277+44.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	834.24		829.91		829.91
S13-32	277+44.00	58.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	833.19	828.98	829.80	828.98	829.80
S13-33	277+43.93	67.8	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	832.27				829.86
S13-35	278+60.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	833.59	828.92			
S13-36	278+60.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	933.60		828.92		
S13-37	278+60.00	58.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	833.03	828.09		828.83	828.09
S13-38	278+62.25	66.8	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			829.30	
S13-39	279+40.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	833.00		828.52	828.52	
S13-40	279+40.00	58.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	831.60	827.64		827.64	828.04
S13-41	279+51.00	66.8	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-	828.56			
S13-42	280+50.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	832.21	828.21			
S13-43	272+70.30	-64.8	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		833.22		
S14-01	281+15.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	831.74		827.79	827.79	
S14-02	281+15.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	831.74		827.32		827.32
S14-03	281+15.00	59.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	830.53	826.61		826.61	827.14
S14-04	282+25.04	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	830.94	826.94			
S14-05	282+80.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.54		825.88	825.88	
S14-06	282+80.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.54		825.52		825.52
S14-07	282+80.00	59.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	829.34	825.33		825.33	825.32
S14-08	283+70.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	829.89		825.89		
S14-09	283+70.00	59.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	829.50		824.65	824.65	824.90
S14-10	283+70.00	81.2	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-		824.50		

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	EAST	SOUTH	WEST
S14-11	284+65.00	-69.1	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				824.28
S14-12	284+65.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	829.21		824.85		824.85
S14-13	284+65.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	829.21				825.21
S14-14	285+37.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	828.86	824.44			
S14-16	285+46.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	828.85	824.81		824.81	
S14-17	285+51.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	828.85	824.73			
S14-18	285+61.00	-69.6	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-				823.80
S14-19	285+61.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	828.84	824.33	824.33	824.33	824.33
S14-20	285+61.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	829.64		824.51		824.51
S14-21	285+61.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	828.84	824.69		824.69	824.69
S14-22	285+76.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	828.85	824.81		824.81	
S14-23	28+51.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	828.85			824.73	
S14-24	285+91.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	828.88			824.88	
S14-26	286+30.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	829.03				825.03
S14-27	286+30.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	829.03		824.31		824.31
S14-28	286+30.00	-71.7	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				823.46
S14-29	287+35.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	829.60				825.60
S14-30	287+35.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	829.60		824.52		824.52
S14-31	287+35.00	-76.0	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				822.94
S14-32	288+50.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	830.22		826.22		
S14-33	288+50.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.22		824.80		825.50
S14-34	288+50.00	68.6	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				822.40
S14-36	289+21.00	89.9	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	-		822.71		
S14-37	289+65.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	830.85		826.85		
S14-38	289+65.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.85		825.41		825.41
S14-39	289+65.00	59.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	830.58	822.76		822.76	824.77
S14-40	291+60.00	-40.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	830.68		826.68		
S14-41	291+60.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.76		825.29		825.29
S14-42	291+60.00	59.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	829.88	822.96		822.96	824.97
S14-43	292+85.00	-36.0	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.13		823.18		823.18
S14-44	292+85.00	40.0	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.05		823.10		823.10
S14-45	292+85.00	59.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	830.14	823.08		823.08	823.08
S14-46	293+00.00	-78.7	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-		823.22		
S14-47	293+00.00	84.1	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	-			823.11	
S14-48	293+65.00	-75.3	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		823.43		
S14-49	293+65.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	830.03				825.00
S15-01	294+10.00	-74.6	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		823.56		
S15-02	294+10.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.39		825.10		825.10
S15-03	294+10.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	829.51				825.51
S15-04	295+20.00	-73.6	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		823.89		
S15-05	295+20.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	829.88		824.54		824.54
S15-06	295+20.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	828.91				824.91
S15-07	296+20.00	-72.1	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		824.20		
S15-08	296+20.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	829.38		824.32		824.32
S15-09	296+20.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	828.42				824.64
S15-10	297+20.00	-68.9	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		824.50		
S15-11	297+35.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	828.81		824.63		824.63
S15-12	297+35.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	827.84				824.94
S15-13	298+55.00	-52.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	829.41	823.40	823.46		
S15-14	298+55.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	828.21				823.54
S15-15	298+55.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	827.23	823.23			
S15-16	299+50.00	-52.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	828.05	822.84	822.98	822.84	
S15-17	299+50.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	827.73				823.07
S15-18	299+50.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	826.75		822.76	822.76	
S15-19	299+50.00	101.3	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				821.80
S15-20	301+10.00	-52.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	826.38	822.37	822.39	822.37	
S15-21	301+10.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	826.93				822.93
S15-22	301+10.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	825.96		822.05		
S15-23	301+10.00	101.3	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				821.70
S15-24	302+25.00	-52.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	826.20		821.82	821.82	
S15-25	302+25.00	-14.1	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	825.87		821.70		821.70
S15-26	302+25.00	0.0	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	826.37		821.66		821.66
S15-27	302+25.00	36.0	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	826.16		821.55		821.55
S15-28	302+25.00	65.0	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-		821.45		
S15-29	303+80.00	-52.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.78	821.36	821.36		
S15-30	303+80.00	-14.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	825.10		821.55		821.55
S15-31	303+80.00	-3.0	60236200	INLETS, TYPE A, TYPE 8 GRATE	825.60				821.60
S15-32	303+80.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	824.61		820.94		
S15-33	303+80.00	69.5	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				820.80
S15-34	304+28.46	-70.9	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-			820.85	
S15-35	304+55.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	824.24		820.71		
S15-36	304+55.00	68.9	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				820.57
S15-37	304+94.90	-14.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.52	820.51			
S15-38	305+14.85	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	823.92	820.12			
S15-39	305+23.09	-71.3	54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	-	819.00			
S15-40	305+34.86	-14.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.32	820.32		820.32	
S15-41	305+34.86	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.84	819.90		819.90	
S15-42	305+49.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.19	819.03	819.42	819.03	
S15-43	305+66.00	-14.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.25	820.17	819.54	820.17	819.54
S15-44	305+50.40	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.77	819.82		819.82	819.72
S15-45	305+64.70	-14.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.18			820.25	
S15-46	305+64.70	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	823.69			819.88	
S15-47	305+91.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.40	819.08	819.08	819.08	
S15-48	305+91.00	-14.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.08		819.30		819.30
S15-49	305+91.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	823.60				819.55
S16-01	306+50.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.05	819.13	819.14	819.13	
S16-02	306+50.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.54	819.51			819.51
S16-03	307+00.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	823.67			819.74	

MODEL: SHEET_03
FILE NAME: pw:\\statfrcscpw.bentley.com:PATRICKCO-PW-07\Documents\IDOT\22177.01\912_Design\12.3_CADD\SHEETS\C1-SHT-DRAIN-SCHED.dgn

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USER NAME = mzuzzio	DESIGNED - DMS	REVISED -		
	DRAWN - HRG	REVISED -		
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -		
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES
STRUCTURE SCHEDULE

SCALE: NTS | SHEET 3 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	367
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	EAST	SOUTH	WEST
S16-04	307+40.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.86	819.22	819.23	819.22	
S16-05	307+40.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.89	819.66			819.66
S16-06	307+90.00	40.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.23			819.91	
S16-07	306+62.74	67.6	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-	821.18			
S16-08	307+38.98	67.8	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			821.46	
S16-09	308+18.00	-50.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.75	819.34	821.06	819.34	
S16-10	308+18.00	5.9	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	824.68				821.34
S16-11	308+65.00	-50.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	826.19	819.56	820.60	819.56	
S16-12	308+65.00	5.9	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	825.10	820.88	820.88		820.88
S16-13	308+65.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	825.04				821.04
S16-14	309+00.00	5.9	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	825.41			822.12	
S16-15	310+05.00	-50.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	827.21		821.59	820.25	
S16-16	310+05.00	5.9	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	826.11	821.88	821.88		821.88
S16-17	310+05.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	826.04				822.04
S16-18	310+50.00	2.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	826.42			822.11	
S16-19	309+26.26	71.7	54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	-	822.10			
S16-20	309+98.00	72.4	54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	-			822.25	
S16-21	314+14.17	-53.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	826.52	820.65	821.72		
S16-22	314+14.17	-14.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	826.61		821.87		821.87
S16-23	314+14.17	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	826.89		821.94		821.94
S16-24	314+14.17	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	826.12				822.12
S16-25	314+90.00	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.78	820.43	821.35	820.43	
S16-26	314+90.00	-14.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	825.22				821.55
S16-27	315+55.00	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.13	819.73	820.54	819.73	
S16-28	315+55.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	825.68		821.09		821.09
S16-29	315+55.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	826.97		821.27		821.27
S16-30	315+55.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	825.45				821.45
S16-31	316+80.00	-53.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.00	819.37	820.16	819.37	
S16-32	316+80.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.82		820.46		820.46
S16-33	316+80.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	825.60		820.64		820.64
S16-34	316+80.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.82				820.82
S16-35	317+20.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.69	820.69			
S16-36	317+35.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.67	820.62		820.62	
S16-37	317+50.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.67	820.18	820.18	820.18	820.18
S16-38	317+65.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.67			820.67	
S16-39	317+20.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.69	820.69			
S16-40	317+35.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.67	820.62		820.62	
S16-41	317+50.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.67	820.54		820.54	820.54
S16-42	317+65.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.67			820.67	
S16-43	317+50.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	825.47		820.36		820.36
S16-44	317+50.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.87	819.24	820.09	819.24	
S16-45	318+45.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.14	819.15	820.49	819.15	
S16-46	318+45.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.94		820.58		820.58
S16-47	318+45.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	825.74		820.76		820.76
S16-48	318+45.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.94				820.94
S17-01	319+67.02	-50.6	X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	825.67	819.03		819.03	
S17-02	319+88.07	-75.1	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	-	819.00			
S17-03	320+14.87	-75.2	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	-	819.00			
S17-04	320+35.76	-53.5	X6020293	MANHOLES, TYPE A, 8'-DIAMETER, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE	824.94	819.03		819.03	
S17-05	321+65.00	-53.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.34	819.15	820.18	819.15	
S17-06	322+50.00	-53.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.69	819.23	819.70	819.23	
S17-07	322+20.00	48.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.45	820.45			
S17-08	322+35.00	48.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.43	820.38		820.38	
S17-09	322+50.00	48.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.42	820.30		820.30	820.30
S17-10	322+65.00	48.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.43			820.43	
S17-11	322+20.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.68	820.68			
S17-12	322+35.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.67	820.61		820.61	
S17-13	322+50.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.66	820.13	819.88	820.13	819.88
S17-14	322+65.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.67			820.67	
S17-15	323+10.00	-53.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.23	819.29	820.03	819.29	
S17-16	323+10.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.78	820.12	820.12		820.12
S17-17	323+10.00	48.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.54				820.54
S17-18	323+45.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.94			820.94	
S17-19	325+15.00	-53.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.24	819.48	821.26	819.48	
S17-20	325+15.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	825.79		821.38		821.38
S17-21	325+15.00	48.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	825.54				821.79
S17-22	327+90.00	-47.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.49	819.76	821.01	819.76	
S17-23	327+90.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	825.24				821.24
S17-24	328+30.00	-44.1	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.28	819.79	820.49	819.79	
S17-25	328+30.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.89		820.53		820.53
S17-26	328+30.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	825.77		820.71		820.71
S17-27	328+30.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.89				820.89
S17-28	329+40.00	-44.1	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.43	819.88	819.88	819.88	
S17-29	329+40.00	-5.9	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	828.88		820.06		820.06
S17-30	329+40.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	823.94				820.25
S17-31	330+06.00	-44.1	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	823.82	819.95	819.95	819.95	
S17-32	329+75.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	823.78	820.44			
S17-33	329+91.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.74	820.37		820.37	
S17-34	330+06.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.73			820.31	820.31
S17-35	329+75.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	823.78	820.13			
S17-36	329+91.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.74	820.06		820.06	
S17-37	330+06.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.73		819.99	819.99	819.99
S17-38	330+40.00	-47.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.30	819.99	819.99	819.99	
S17-39	330+40.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.78	820.37			820.37
S17-40	330+40.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.78		820.05		820.05

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	EAST	SOUTH	WEST
S17-41	330+80.30	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.00			820.55	
S17-42	331+50.00	-47.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.00		820.10	820.10	
S17-43	331+50.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.51		820.17		820.17
S17-44	331+50.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.51				820.54
S17-45	321+65.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.89		820.27		820.27
S17-46	321+65.00	48.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.89				820.69
S17-47	323+43.43	83.8	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-	821.15			
S17-48	325+17.11	83.4	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-			821.67	
S17-49	332+83.14	-50.9	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.90	820.46	820.98		
S17-50	332+75.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	825.40		821.07		821.07
S17-51	332+75.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	825.36				821.44
S17-52	324+66.00	134.4	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.10		820.02		
S17-53	324+66.00	144.5	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.24			819.92	819.92
S17-54	323+97.43	138.8	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.08		819.98		
S17-55	323+98.00	148.8	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.97	819.24	818.99		819.88
S17-56	323+92.50	154.7	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.40		818.30EX		818.83
S18-01	333+65.00	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.15	820.22	820.74	820.22	
S18-02	333+65.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	826.10		821.02		821.02
S18-03	333+65.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	826.10				822.10
S18-04	334+49.26	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	826.15	819.48	820.48	819.98	
S18-05	334+49.26	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	826.72				820.72
S18-06	336+85.00	-53.6	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	826.45	817.59	819.78	818.78	
S18-07	336+85.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	826.78		820.06		820.06
S18-08	336+85.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	826.78				820.78
S18-09	337+65.00	-53.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.50	817.37	819.67	817.37	
S18-10	337+65.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	826.38		820.12		820.12
S18-11	337+65.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	826.39		821.56		821.56
S18-13	338+70.00	-53.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.31	817.07	819.22	817.07	819.22
S18-14	338+70.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	825.86		819.51		819.51
S18-15	338+70.00	42.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	825.74				820.74
S18-16	339+50.00	48.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	825.24	821.24			
S18-17	340+15.00	-62.1	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	823.33		819.33		
S18-18	340+15.00	-53.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.59	815.94	817.95	815.94	819.06
S18-19	340+15.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	825.13		818.09		818.09
S18-20	340+15.00	48.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.89			819.46	819.46
S18-21	340+80.00	-53.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.28	815.88	818.72	815.88	
S18-22	340+80.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.14		819.10		819.10
S18-23	340+80.00	48.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.57				820.57
S18-24	341+58.00	-73.7	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	823.00	818.41	818.41		
S18-26	341+50.00	-54.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.23	815.82	818.65	815.82	818.20
S18-27	341+50.00	-43.9	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.04		818.81		818.81
S18-28	341+50.00	50.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.04				820.04
S18-29	343+07.71	-63.3	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.00	815.67	816.33	815.67	
S18-30	343+60.00	-63.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	823.10	815.62	818.44	815.62	
S18-31	343+07.71	44.7	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	823.95			816.76	816.76
S18-32	342+55.58	98.7	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	823.70	817.04	817.04		
S18-33	342+62.30	127.0	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.25		817.16	817.81	817.16
S18-34	342+55.68	127.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	822.52	817.88	818.40	817.88	
S18-35	342+05.60	127.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	822.51	818.13	818.38		
S18-36	343+60.00	-48.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.17		818.63		818.63
S18-37	343+60.00	36.8	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.41	819.06			819.06
S18-38	343+85.68	65.0	60236200	INLETS, TYPE A, TYPE 8 GRATE	822.75			819.25	
S18-39	344+40.00	-63.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	822.07	815.55	818.36	815.55	
S18-40	344+40.00	-48.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	822.77				818.77
S18-41	345+00.00	-63.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	821.70	815.50	817.30	815.50	
S18-42	345+00.00	-48.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	822.47		817.38		817.38
S18-43	345+00.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	822.71	817.80			817.80
S18-44	345+20.41	62.8	60236200	INLETS, TYPE A, TYPE 8 GRATE	820.97			817.97	
S18-45	345+90.00	-60.3	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	821.32	815.42	817.96	815.42	
S18-46	345+90.00	-48.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	822.09	815.46			818.09
S18-47	337+48.00	71.4	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	-				822.64
S18-48	342+05.60	143.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	822.53				818.53
S18-49	342+55.68	143.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	822.55				818.55
S18-50	341+90.25	-84.6	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	822.58			818.58	
S18-51	339+61.14	52.8	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.60	820.00	822.42	821.00	
S18-52	335+33.00	72.0	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-	823.60			
S18-53	335+91.00	73.2	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-			823.42	
S18-54	339+61.43	71.5	X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	826.60		822.57		822.57
S19-01	346+40.00	-53.2	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	822.14	815.38	817.41	815.38	
S19-02	346+40.00	-41.7	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	821.23		817.62		817.62
S19-03	346+40.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	822.01				818.01
S19-04	347+75.00	-50.1	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	821.54	815.25	816.78	815.25	
S19-05	347+75.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	821.33		816.97		816.97
S19-06	347+75.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	822.13		817.15		817.15
S19-07	347+75.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	821.33				817.33
S19-08	349+00.00	-50.1	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	820.92	815.13	815.70	815.13	
S19-09	349+00.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	820.71	815.98	816.35		815.98
S19-10	349+00.00	-5.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	821.57		816.50		816.50
S19-11	349+00.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	820.71				816.71
S19-13	349+65.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	820.38		816.26		816.26
S19-14	349+65.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	820.38				816.58
S19-15	349+73.49	-50.1	X1200042	MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE	820.55			815.06	815.06
S19-16	349+85.42	-70.4	54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	-				815.04
S19-17	350+19.84	-70.3	54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	-				815.04

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	EAST	SOUTH	WEST
S19-18	350+29.33	-50.6	X1200042	MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE	820.30	815.06			815.06
S19-19	350+45.00	-50.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	820.18	815.07	815.54	815.07	
S19-20	350+45.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	819.98		815.62		815.62
S19-21	350+45.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	819.98				815.98
S19-22	351+58.88	-50.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	819.31	815.18	815.18	815.18	
S19-23	351+00.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	819.72	815.80			
S19-24	351+30.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	819.64	815.65		815.65	
S19-25	351+45.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	819.62	815.58		815.58	
S19-26	351+58.88	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	819.61	815.51		815.51	815.51
S19-27	351+75.00	38.2	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	819.58			815.62	
S19-28	351+30.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	819.64	815.62			
S19-29	351+45.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	819.62	815.55		815.55	
S19-30	351+58.88	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	819.61	815.48	815.26	815.48	815.26
S19-31	351+75.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	819.62	815.57		815.57	
S19-32	351+89.00	-36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	819.64			815.64	
S19-33	352+65.00	-50.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	820.15	815.28	815.62	815.28	
S19-34	352+65.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	819.95				815.95
S19-35	352+93.00	-50.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	820.36	815.30	815.71	815.30	
S19-36	352+93.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	820.16		815.78		815.78
S19-37	352+93.00	40.1	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	820.10				816.16
S19-38	353+50.00	-50.6	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	820.91	815.35	816.63	815.35	
S19-39	353+50.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	820.71				816.71
S19-40	356+50.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	823.88	815.63	818.59	815.63	
S19-41	356+50.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.69		818.74		818.74
S19-42	356+58.75	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	823.69		819.93EX		819.25
S19-43	357+50.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	824.88	815.72	819.28	815.72	
S19-44	357+50.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	824.69		819.60		819.60
S19-45	357+50.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	824.69				820.69
S19-46	358+30.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.70	815.88	818.85	815.79	
S19-47	358+30.00	41.1	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.84	821.77	821.15		821.15
S19-48	358+50.00	68.7	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	-				822.00
S19-49	358+65.00	36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	825.84				821.94
S19-50	359+00.00	-52.4	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	826.00	815.94	819.43	815.94	
S19-51	359+00.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	826.19				819.52
S19-52	359+90.00	0.0	60236200	INLETS, TYPE A, TYPE 8 GRATE	827.89	823.56			
S19-53	355+00.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	822.20		817.84		817.84
S19-54	355+00.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	822.20				818.20
S19-57	355+00.00	-50.6	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	822.40	815.49	817.75	815.49	
S19-58	351+95.82	64.5	54214713	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 18"	-	817.26			
S19-59	352+76.82	65.3	54214713	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 18"	-			817.36	
S20-01	360+22.00	-56.1	60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	826.23	819.36	819.56	816.06	
S20-02	360+22.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	827.40		821.96		819.96
S20-03	360+22.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	828.21		822.68	822.68	822.68
S20-04	360+22.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	827.40				823.40
S20-05	362+00.00	-56.1	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	827.76	821.43	821.98	821.43	
S20-06	362+00.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	828.93		823.49		822.49
S20-07	362+00.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	828.93				824.93
S20-08	363+40.00	-56.1	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	828.46	822.24	822.82	822.24	
S20-09	363+40.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	829.63		824.19		823.19
S20-10	363+40.00	0.0	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	830.43		824.91		824.91
S20-11	363+40.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	829.63		825.63		825.63
S20-12	364+75.00	-56.1	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	829.14	823.02	823.63	823.02	
S20-13	364+75.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.31		823.90		823.90
S20-14	364+75.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.31		826.34		825.34
S20-15	364+75.00	73.3	60236200	INLETS, TYPE A, TYPE 8 GRATE	830.40				826.91
S20-16	365+80.00	-56.1	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	829.67	823.62	824.25	823.62	
S20-17	365+80.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.84		825.59		824.59
S20-18	365+80.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	830.84	826.85	826.85		826.85
S20-19	365+80.00	73.3	60236200	INLETS, TYPE A, TYPE 8 GRATE	830.93				827.43
S20-20	366+54.87	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	831.22			827.22	
S20-21	367+35.00	-57.7	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	830.44		825.18	824.53	
S20-22	367+35.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	831.62		825.28		825.28
S20-23	367+35.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	831.62	825.83	825.64		825.64
S20-24	367+35.00	73.2	60236200	INLETS, TYPE A, TYPE 8 GRATE	831.40				825.83
S20-25	368+15.12	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	832.02			826.23	
S20-28	369+00.00	-62.5	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	831.68	826.31	827.00		827.00
S20-29	369+00.00	-48.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	832.15		827.61		827.61
S20-30	369+00.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	832.45				828.45
S20-32	369+35.00	-62.5	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	831.88	826.25	827.36	826.25	
S20-33	369+35.00	-48.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	832.38				827.88
S20-34	370+10.00	-62.5	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	832.26	826.11	827.21	826.11	
S20-35	370+10.00	-48.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	832.78		827.47		827.47
S20-36	370+10.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	833.00				829.00
S20-37	370+46.00	-62.5	X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	832.44			826.05	826.05
S20-38	370+60.70	-92.2	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	-				826.00
S20-39	370+95.00	-87.2	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	-				826.00
S20-40	370+95.00	-62.2	X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	832.67		826.05		826.05
S20-41	370+95.00	-48.0	60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	833.20	826.08	829.00		826.08
S20-42	370+95.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	833.43				829.43
S20-43	371+89.97	-42.1	60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	833.78		829.51	826.27	
S20-44	371+90.02	36.2	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	833.91				829.91
S20-45	371+70.93	-85.9	54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	-				826.05
S20-46	372+00.00	-56.1	X6020293	MANHOLES, TYPE A, 8'-DIAMETER, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE	833.33	826.09			826.09

STR. NO.	STATION	OFFSET (FT)	PAY ITEM NO.	PAY ITEM DESCRIPTION	RIM ELEV.	INVERT ELEV. NORTH	EAST	SOUTH	WEST
S20-47	372+95.00	-50.5	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	833.95	826.18	828.69	826.18	
S20-48	372+95.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	834.43		828.77		828.77
S20-49	372+95.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	834.43	829.13	829.13		829.13
S20-50	372+88.33	60.6	60236200	INLETS, TYPE A, TYPE 8 GRATE	832.20				829.25
S20-51	370+73.89	-89.6	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	-		825.69		
S20-52	370+73.90	79.3	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	-				826.25
S20-53	363+40.00	73.3	60236200	INLETS, TYPE A, TYPE 8 GRATE	829.63				825.82
S21-01	373+30.00	36.0	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	834.61			830.61	
S21-02	374+00.00	-50.5	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	834.45	828.70	828.80	826.28	
S21-03	374+00.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	834.96		829.02		829.02
S21-04	374+00.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	834.96		830.10		830.10
S21-05	374+08.40	60.3	60236200	INLETS, TYPE A, TYPE 8 GRATE	833.50				830.56
S21-06	375+30.11	-52.0	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	835.59	830.36		830.36	
S21-07	376+15.00	-59.6	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	835.64		832.14		
S21-08	376+15.00	-50.5	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	836.89	830.84	831.43	830.84	831.93
S21-09	376+15.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	837.40		831.51		831.51
S21-10	376+15.00	42.5	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	837.28		831.90		831.90
S21-11	376+12.49	67.8	60236200	INLETS, TYPE A, TYPE 8 GRATE	835.03				832.03
S21-12	377+00.00	-50.5	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	837.83	831.87	832.52	831.87	
S21-13	377+00.00	-36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	838.38		832.94		832.94
S21-14	377+00.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	838.38		834.02		834.02
S21-16	377+60.00	-59.6	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	837.26		833.76		
S21-17	377+60.00	-50.5	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	838.51		833.72	832.15	833.72
S21-18	377+60.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	839.06				834.06
S21-19	381+85.66	-54.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	837.99	832.31		833.99	
S21-20	383+20.00	-54.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	837.40	832.31	832.90	832.31	
S21-21	383+20.00	-36.0	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	837.71				833.71
S21-22	380+57.36	61.6	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	838.50	834.56			
S21-23	381+77.00	59.6	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	837.79	832.25		833.39	833.05
S21-24	381+77.00	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	838.86		834.00		834.00
S21-25	383+19.92	59.6	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	836.90	830.86		830.86	833.18
S21-26	383+19.92	36.0	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	837.69		833.69		833.69
S21-27	384+34.85	65.2	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	835.80	829.74		829.74	832.24
S21-28	384+34.85	41.1	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	836.65		832.65		832.65
S21-29	385+09.60	61.9	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	837.24			829.03	829.03
S21-30	385+25.00	45.8	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	836.76		828.76		828.76
S21-31	385+25.00	-36.0	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	836.07		827.59		827.59
S21-32	385+25.00	-59.3	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	834.12	824.15EX	827.31	828.32	
S21-35	380+34.00	-40.3	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	839.84	835.48			
S21-36	375+45.00	82.8	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	836.40	832.10			
S21-37	375+77.71	77.7	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	836.71		831.36EX	831.50	
S21-38	381+77.57	0.0	60236200	INLETS, TYPE A, TYPE 8 GRATE	839.68		835.50		
S21-39	383+20.10	0.0	60236200	INLETS, TYPE A, TYPE 8 GRATE	838.54		834.00		
S21-40	384+35.26	-3.1	60236200	INLETS, TYPE A, TYPE 8 GRATE	837.60		833.60		
S22-01	388+94.24	73.8	60236200	INLETS, TYPE A, TYPE 8 GRATE	832.70			828.70	
S22-02	390+27.15	47.1		EXISTING CATCH BASIN TO REMAIN			826.75EX		
S22-03	389+93.02	74.3	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	831.00				
ES11-35	388+46.3	60.8		EXISTING CATCH BASIN TO REMAIN	834.30	828.02EX			
S23-01	46+81.27	-45.8	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-		770.30		
S23-02	47+54.54	-46.2	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-				770.10
S23-03	48+20.00	38.7	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	-			768.60	
S23-04	48+20.00	-30.0	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	-	770.10			
S24-01	6+72.71	22.8	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				858.73
S24-02	7+33.65	23.6	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		858.95		
S25-01	12+54.00	-27.7	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	825.34		818.78	819.78	818.78
S25-02	12+54.00	-20.4	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	824.16	819.82		819.82	
S25-03	12+54.23	25.0	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	824.04	820.04			
S25-04	13+23.51	-22.5	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	825.34		820.72		820.22
S25-05	13+80.40	-12.0	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	826.31			821.17	820.92
S25-06	13+96.97	16.9	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	826.49	821.38		821.38	
S25-07	13+96.97	28.1	60236200	INLETS, TYPE A, TYPE 8 GRATE	825.50	821.50			
S25-08	10+33.68	25.6	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	812.35		804.31		804.31
S25-09	11+14.27	25.4	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	813.68	808.13	805.91		804.91
S25-10	11+14.27	18.5	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	812.64	808.27		808.27	
S25-11	11+14.27	-12.8	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	812.75			808.75	
S25-12	12+73.88	18.8	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	813.57	809.00	807.09		807.09
S25-13	12+77.18	-13.7	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	813.68			809.54	
S25-14	13+20.17	21.5	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	813.89	809.25	807.41		807.41
S25-15	13+20.17	-13.6	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	814.07			809.77	
S25-16	14+00.00	23.2	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	814.45	809.79	807.99		807.99
S25-17	14+00.00	-14.5	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	814.61			810.18	
S25-18	14+60.00	27.6	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	814.80	810.04	808.43		808.43
S25-19	14+60.00	-15.7	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	815.03			810.48	
S25-20	15+34.66	34.3	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	815.67	810.96	808.97		808.97
S25-21	15+34.66	-17.3	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	816.03			811.49	
S25-22	15+45.80	35.2	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	815.90		809.06		809.06
S25-23	16+19.12	36.0	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	817.46	813.08	812.08		809.58
S25-24	16+19.12	-19.9	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	817.70			817.43	
S25-25	17+17.70	36.0	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	819.55	815.39			812.79
S25-26	17+17.70	-23.6	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	819.80			815.69	
S25-27	9+73.50	22.7		EXISTING MANHOLE TO REMAIN			803.75		803.75EX

BOX CULVERT AND BOX CULVERT END SECTION SCHEDULE			
54010303	PRECAST CONCRETE BOX CULVERTS 3' X 3'		
54001013	BOX CULVERT END SECTIONS, CULVERT NO. 13		
CULVERT #	LOCATION	QUANTITY	END SECTIONS
13	350+00	258	2

54010502	PRECAST CONCRETE BOX CULVERTS 5' X 2'		
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1		
CULVERT #	LOCATION	QUANTITY	END SECTIONS
1	186+64	125	2

54010603	PRECAST CONCRETE BOX CULVERTS 6' X 3'		
54001006	BOX CULVERT END SECTIONS, CULVERT NO. 6		
54001011	BOX CULVERT END SECTIONS, CULVERT NO. 11		
CULVERT #	LOCATION	QUANTITY	END SECTIONS
6	204+20	140	2
11	320+02	133	2
	TOTAL	273	

54010605	PRECAST CONCRETE BOX CULVERTS 6' X 5'		
54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3		
CULVERT #	LOCATION	QUANTITY	END SECTIONS
3	192+41	128	2

54010606	PRECAST CONCRETE BOX CULVERTS 6' X 6'		
54001005	BOX CULVERT END SECTIONS, CULVERT NO. 5		
54001007	BOX CULVERT END SECTIONS, CULVERT NO. 7		
CULVERT #	LOCATION	QUANTITY	END SECTIONS
5	199+88	132	1
7	229+37	166	2
	TOTAL	273	

54010703	PRECAST CONCRETE BOX CULVERTS 7' X 3'		
54001012	BOX CULVERT END SECTIONS, CULVERT NO. 12		
Culvert #	Location	Quanitity	End Sections
12	150+02	258	2

54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'		
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2		
CULVERT #	LOCATION	QUANTITY	END SECTIONS
2	191+23 RT	114	2

54010805	PRECAST CONCRETE BOX CULVERTS 8' X 5'		
54001009	BOX CULVERT END SECTIONS, CULVERT NO. 9		
CULVERT #	LOCATION	QUANTITY	END SECTIONS
9	287+95	156	2

54011004	PRECAST CONCRETE BOX CULVERTS 10' X 4'		
54001004	BOX CULVERT END SECTIONS, CULVERT NO. 4		
CULVERT #	LOCATION	QUANTITY	END SECTIONS
4	199+00 RT	65	2

54011202	PRECAST CONCRETE BOX CULVERTS 12' X 2'		
54001008	BOX CULVERT END SECTIONS, CULVERT NO. 8		
54001010	BOX CULVERT END SECTIONS, CULVERT NO. 10		
CULVERT #	LOCATION	QUANTITY	END SECTIONS
8	229+30	390	6
10	304+81	133	2
	TOTAL	523	

MODEL: SHEET_06
FILE NAME: pw://patrickco-pw.bentley.com:PATRICKCO-PW-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-DRAIN-SCHED.dgn

HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzzio	DESIGNED - DMS	REVISED -
	DRAWN - HRG	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES
STRUCTURE SCHEDULE

SCALE: NTS | SHEET 6 OF 11 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	370

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

PIPE NO.	LOCATION FROM STR.	LOCATION TO STR.	SIZE	PAY ITEM NO.	PAY ITEM DESCRIPTION	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
P2-01	S2-01	S2-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	38	0.63%	9.8
P2-02	S2-02	S2-15	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	9	2.00%	2.2
P2-03	S2-04	S2-03	30	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	144	0.79%	134.1
P2-04	S2-05	S2-04	30	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	191	0.80%	221
P2-05	S2-06	S2-05	30	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	19	0.79%	24.6
P2-06	S2-07	S2-06	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	16	0.50%	0
P2-07	S2-08	S2-09	12	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	67	1.00%	25.3
P2-08	S2-16	ES1-10	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	8	1.00%	0
P2-09	S2-11	S2-12	24	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	22	1.00%	1
P2-10	S3-18	S2-12	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	35	1.29%	0
P3-01	S3-01	S3-18	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	54	1.29%	8.7
P3-02	S3-02	S3-01	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	9	1.73%	1.3
P3-03	S3-03	S3-45	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	1.00%	2.4
P3-04	S3-04	S3-01	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	87	1.30%	0
P3-05	S3-05	S3-04	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	9	0.90%	1.4
P3-06	S3-06	S3-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	1.00%	27
P3-07	S3-07	S3-04	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	104	1.30%	0
P3-08	S3-08	S3-07	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	9	0.69%	1.6
P3-09	S3-09	S3-47	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	11	1.00%	7.7
P3-10	S3-10	S3-47	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	6	1.00%	5
P3-11	S3-11	S3-07	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	161	1.30%	61.5
P3-12	S3-12	S3-11	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	7	1.57%	2.9
P3-13	S3-13	S3-12	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	79	0.50%	25.3
P3-14	S3-14	S3-13	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	24	1.00%	6.1
P3-15	S3-15	S3-11	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	194	1.30%	0
P3-16	S3-16	S3-15	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	5	1.56%	1.4
P3-17	S3-17	S3-16	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	79	2.00%	22
P3-18	S3-18	S3-41	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	8	1.00%	5.2
P3-19	S3-19	S3-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	74	2.00%	15
P3-21	S3-21	S3-20	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	20	1.70%	0
P3-22	S3-22	S3-21	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	15	0.73%	5
P3-23	S3-23	S3-22	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	44	0.55%	15.4
P3-24	S3-24	S3-23	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	27	0.56%	9
P3-25	S3-25	S3-24	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	23	0.59%	4.3
P3-26	S3-26	S3-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	50	0.52%	2.5
P3-27	S3-27	S3-23	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	35	1.44%	6.8
P3-28	S3-28	S3-21	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	138	1.70%	0
P3-29	S3-29	S3-28	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	14	3.26%	4.1
P3-30	S3-30	S3-29	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	38	0.55%	7.6
P3-31	S3-31	S3-30	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	34	0.54%	6
P3-32	S3-32	S3-28	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	126	1.70%	0
P3-33	S3-33	S3-32	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	16	0.59%	4.4
P3-34	S3-34	S3-33	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	83	0.52%	16.7
P3-35	S3-35	S3-34	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	43	0.52%	7.8
P3-36	S3-36	S3-43	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	48	0.50%	0
P3-39	S3-39	S3-38	36	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	33	1.00%	0
P3-40	S3-40	S3-39	36	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	8	1.00%	0
P3-42	S3-42	S3-43	24	550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	194	1.24%	0
P3-44	S3-44	S3-13	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	52	1.00%	0
P4-01	S4-01	S3-40	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	13	1.38%	3.1
P4-02	S4-02	S4-01	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	88	0.52%	17.7
P4-03	S4-03	S4-01	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	67	1.91%	13.6
P4-04	S4-04	S3-40	36	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	210	0.10%	0
P4-05	S4-05	S4-04	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	1.29%	4.4
P4-06	S4-06	S4-05	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.54%	12.7
P4-07	S4-07	S4-31	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	34	1.38%	6.6
P4-08	S4-08	S4-39	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	96	1.14%	5.8
P4-09	S4-09	S4-05	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	52	1.60%	9.6
P4-10	S4-10	S4-11	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	4	2.05%	0
P4-11	S4-11	S4-04	36	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	140	0.10%	104.7
P4-12	S4-12	S4-11	36	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	30	0.10%	110.1
P4-13	S4-13	S4-12	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	6	1.67%	3.2
P4-14	S4-14	S4-13	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	39	0.54%	9.4
P4-15	S4-15	S4-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	27	0.56%	5.9
P4-16	S4-16	S4-13	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	17	3.12%	3.5
P4-17	S4-17	S4-08	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	194	1.00%	0
P4-18	S4-18	S4-19	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	4	2.00%	0.6
P4-19	S4-19	S4-12	36	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	134	0.10%	473.9
P4-20	S4-20	S4-19	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	6	1.67%	3.5
P4-21	S4-21	S4-20	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	33	0.58%	6.8
P4-22	S4-22	S4-21	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.55%	5.9
P4-23	S4-23	S4-17	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	123	1.00%	0
P4-24	S4-24	S4-25	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	8	2.00%	0.5
P4-25	S4-25	S4-19	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	95	2.00%	85.8
P4-26	S4-26	S4-25	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	47	2.00%	43.8
P4-27	S4-27	S4-26	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	6	1.67%	3.7
P4-28	S4-28	S4-27	12	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	69	1.06%	11.2
P4-30	S4-30	S4-31	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	24	3.90%	1.9
P4-31	S4-31	S4-32	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	73	1.00%	21.8
P4-32	S4-32	S4-33	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	12	1.50%	10.4
P4-33	S4-33	S5-01	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	246	2.70%	31.4
P4-34	S4-34	S4-33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	7	1.57%	0
P4-37	S4-37	S4-36	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	1.00%	3
P4-39	S4-39	S4-35	18	550a0380	STORM SEWERS, CLASS A, TYPE 2 18"	144	1.14%	25.7
P5-01	S5-01	S5-05	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	247	2.60%	0
P5-02	S5-02	S5-01	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	17	1.24%	10.7
P5-03	S5-03	S5-02	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	68	1.06%	26.1
P5-04	S5-04	S5-03	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	21	1.62%	6.1
P5-05	S5-05	S5-10	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	173	2.60%	0
P5-06	S5-06	S5-05	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	17	1.24%	11.1
P5-07	S5-07	S5-06	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	1.13%	20.3
P5-08	S5-08	S5-07	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	1.13%	18.6
P5-09	S5-09	S5-08	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	21	1.14%	6.8
P5-12	S5-12	S5-11	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	33	0.19%	6.8
P5-13	S5-13	S5-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	0.50%	5.8
P5-14	S5-14	S5-13	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	0.50%	3.6
P5-15	S5-15	S5-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	21	0.48%	2.4
P5-16	S5-16	S5-17	24	542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	62	7.53%	8.9
P5-19	S5-19	S5-18	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.27%	5.6
P5-20	S5-20	S5-19	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.53%	11.5
P5-21	S5-29	S5-21	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	49	1.90%	0
P5-22	S5-22	S5-25	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	99	1.80%	0
P5-23	S5-23	S5-22	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	27	2.85%	4.7
P5-24	S5-24	S5-28	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	107	6.00%	26
P5-25	S5-25	S5-27	36	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	9	1.00%	27.4
P5-26	S5-26	S5-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	8	2.53%	0
P5-27	S5-27	S6-01	36	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	143	1.00%	324.8
P5-28	S5-28	S6-02	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	145	5.10%	50.1
P5-29	S5-22	S5-29	24	550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	171	1.90%	0
P6-01	S6-01	S6-02	36	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	66	1.00%	69.5
P6-02	S6-02	S6-03	36	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	70	0.49%	48.3
P6-04	S6-04	S6-05	15	550A0660	STORM SEWERS, CLASS A, TYPE 3 15"	135	0.56%	198.7
P6-06	S6-06	S6-12	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	92	5.00%	22.5
P6-07	S6-07	S6-08	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	30	1.17%	2.1
P6-10	S6-10	S6-09	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	14	1.00%	5.3
P6-11	S6-11	S6-10	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	1.00%	8
P6-12	S6-12	S6-11	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	1.00%	6.9
P6-13	S6-09	S6-14	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	196	3.50%	0
P6-14	S6-14	S6-35	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	62	3.50%	13.3
P6-15	S6-15	S6-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	3.86%	4.1
P6-16	S6-16	S6-20	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	132	5.11%	29.1
P6-17	S6-17	S6-18	30x19	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	10	0.20%	6
P6-18	S6-18	S6-19	30x19	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	31	0.19%	9.3
P6-19	S6-19	S6-20	30x19	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	31	0.19%	9.3
P6-20	S6-20	S6-21	30x19	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	59	0.20%	5.7
P6-22	S6-22	S6-23	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	17	0.59%	3.5
P6-23	S6-23	S6-24	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	32	0.56%	5.7
P6-24	S6-24	S6-25	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	32	0.56%	6.3
P6-25	S6-25	S6-26	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	62	0.52%	4.4
P6-27	S6-27	S6-23	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	8	2.00%	1.6
P6-28	S6-28	S6-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	9	2.00%	1.6
P6-29	S6-29	S6-30	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	93	0.51%	6
P6-32	S6-32	S6-31	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	23	0.70%	2.9
P6-33	S6-33	S6-34	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	47	0.53%	3.6
P6-35	S6-35	S6-17	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	65	2.60%	0
P7-01	S7-01	S7-04	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	41	0.51%	6.7
P7-03	S7-03	S7-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	31	0.55%	3.5
P7-04	S7-04	S7-03	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	81	0.52%	14.8
P7-05	S7-05	S7-07	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	47	2.49%	9.7
P7-07	S7-07	S7-06	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	1.00%	3.1
P7-08	S7-08	S7-07	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	1.06%	14.2
P7-09	S7-09	S7-11	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	57	0.89%	9.2
P7-11	S7-11	S7-10	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	34	3.18%	4.7
P7-12	S7-12	S7-13	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	38	7.39%	3.8
P7-14	S7-14	S7-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	52	0.84%	8.4
P7-15	S7-15	S7-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	41	2.71%	5.3
P7-18	S7-18	S7-17	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	3.09%	4.4
P7-19	S7-19	S7-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	2.38%	5.5
P7-20	S7-20	S7-21	18	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	74	0.50%	2
P7-22	S7-22	S7-23	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	39	0.50%	6.1
P7-25	S7-25	S7-24	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	36	4.30%	3.2
P7-26	S7-26	S7-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	3.97%	3.6
P7-27	S7-27	S7-28	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	60	0.50%	1.7
P7-29	S7-29	S7-30	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	167	0.50%	32.4
P7-32	S7-32	S7-31	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	31	7.58%	2.9
P7-33	S7-33	S7-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	62	0.77%	9.9
P7-35	S7-35	S7-34	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	30	2.17%	3.2
P7-36	S7-36	S7-35	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	29	0.55%	5.2
P7-37	S7-37	S7-38	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	29	0.51%	3.8
P7-39	S7-39	S7-40	48	550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	122	0.82%	42.8
P7-41	S7-41	S7-42	48	550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	122	0.58%	43.2
P8-02	S8-02	S8-01	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	4.09%	3.2
P8-03	S8-03	S8-47	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	27	1.37%	3.8
P8-04	S8-04	S8-03	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	37	0.50%	7.8
P8-06	S8-06	S8-05	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	34	3.88%	3.2
P8-07	S8-07	S8-08	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	36	6.47%	3.8
P8-11	S8-11	S8-13	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	0.52%	2.6
P8-13	S8-13	S8-17	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	1.09%	2.6
P8-15	S8-15	S8-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	29	1.45%	3.2
P8-17	S8-17	S8-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	31	0.25%	3.8
P8-21	S8-21	S8-20	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	16	0.60%	3.5
P8-22	S8-22	S8-21	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	0.55%	5.4
P8-24	S8-24	S8-25	24	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	20	0.30%	1
P8-25	S8-25	S8-49	24	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	79	0.30%	12.4

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USER NAME = mzuzzio	DESIGNED - DMS	REVISED -		
	DRAWN - HRG	REVISED -		
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -		
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES
PIPE SCHEDULE

SCALE: NTS | SHEET 7 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	371
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PIPE NO.	LOCATION FROM STR.	LOCATION TO STR.	SIZE	PAY ITEM NO.	PAY ITEM DESCRIPTION	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
P8-26	S8-26	S8-27	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	25	0.48%	3.8
P8-28	S8-28	S8-24	24	550A4900	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 24"	89	0.30%	0
P8-29	S8-29	S8-28	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	0.63%	3.5
P8-30	S8-30	S8-31	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	87	0.39%	3.8
P8-32	S8-32	S8-28	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	91	0.53%	0
P8-33	S8-33	S8-32	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	0.70%	3.3
P8-34	S8-34	S8-30	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	92	0.50%	13.6
P8-35	S8-35	S8-33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	52	0.53%	8.4
P8-36	S8-36	S8-32	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	149	0.59%	0
P8-37	S8-37	S8-36	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	0.50%	0
P8-38	S8-38	S8-34	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	150	0.50%	0
P8-39	S8-39	S8-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	85	0.55%	13.3
P8-40	S8-40	S8-38	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	84	0.50%	12.5
P8-41	S8-41	S8-42	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.52%	9.4
P8-42	S8-42	S8-43	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	35	1.91%	2.3
P8-44	S8-44	S8-45	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	31	0.58%	6
P8-45	S8-45	S8-46	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	30	0.60%	6.3
P8-46	S8-46	S8-42	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	41	0.80%	8.8
P8-48	S8-48	S8-24	12	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	9	4.56%	0
P8-49	S8-49	S8-23	24	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	49	0.30%	1
P9-01	S9-08	S9-01	18	550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	26	0.65%	18.5
P9-02	S9-02	S9-03	12	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	11	0.30%	0
P9-03	S9-03	S9-04	48	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	5	1.40%	24.5
P9-04	S9-04	S9-05	48	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	30	1.40%	52.7
P9-05	S9-05	S9-06	48	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	30	1.40%	55.8
P9-06	S9-06	S9-07	48	550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	27	1.40%	16.5
P9-07	S9-06	S9-08	18	550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	13	0.85%	31.4
P9-10	S9-10	S9-03	48	Z0056639	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 4	109	0.30%	0
P9-11	S9-11	S9-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	1.06%	11.6
P9-12	S9-12	S9-13	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	3.38%	12.3
P9-13	S9-13	S9-09	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	126	1.40%	0
P9-16	S9-16	S9-13	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	118	1.90%	0
P9-19	S9-19	S9-16	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	28	1.40%	0
P9-20	S9-20	S9-22	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.53%	12.2
P9-22	S9-22	S9-23	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	50	8.20%	0
P9-27	S9-27	S9-28	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	151	0.71%	11.9
P9-31	S9-31	S9-33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	1.06%	14.2
P9-33	S9-33	S9-29	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	16	0.87%	6.1
P9-34	S9-34	S9-30	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	51	1.90%	0
P9-35	S9-35	S9-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	1.06%	14.2
P9-37	S9-37	S9-38	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	16	1.25%	6.4
P9-38	S9-38	S9-34	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	246	2.32%	0
P9-39	S9-39	S9-40	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	1.12%	7.4
P9-40	S9-40	S9-41	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	1.13%	7.4
P9-41	S9-41	S9-42	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	16	1.25%	6.4
P9-42	S9-42	S9-38	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	246	2.50%	0
P10-01	S10-01	S10-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	1.00%	6.6
P10-02	S10-02	S10-03	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	1.00%	7.4
P10-03	S10-03	S10-04	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	16	1.00%	6.1
P10-04	S10-04	S9-42	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	246	2.50%	0
P10-06	S10-06	S10-05	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	33	0.70%	5.4
P10-07	S10-07	S10-06	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	32	0.70%	19.3
P10-08	S10-08	S10-07	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	32	0.70%	18.2
P10-09	S10-09	S10-08	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	18	0.70%	11.3
P10-11	S10-11	S10-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.55%	6
P10-12	S10-12	S10-13	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.56%	6.3
P10-13	S10-13	S10-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	28	1.57%	4.9
P10-14	S10-14	S10-09	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	246	2.20%	0
P10-16	S10-16	S10-33	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	62	0.61%	4.6
P10-17	S10-17	S10-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	68	0.50%	4.8
P10-18	S10-18	S10-19	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	18	2.00%	6.5
P10-19	S10-19	S10-14	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	246	2.20%	0
P10-21	S10-21	S10-16	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	197	0.72%	0
P10-23	S10-23	S10-31	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	166	0.60%	0
P10-24	S10-24	S10-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	62	0.48%	9.2
P10-25	S10-25	S10-26	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.72%	12.7
P10-26	S10-26	S10-27	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	19	0.61%	5.5
P10-27	S10-27	S10-30	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	66	0.50%	0
P10-28	S10-28	S10-29	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.63%	12.7
P10-29	S10-29	S10-30	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	19	0.70%	6.3
P10-30	S10-30	S11-06	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	160	0.50%	0
P10-31	S10-31	S11-01	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	62	0.50%	6.8
P10-32	S10-32	S10-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	87	1.71%	15.6
P11-01	S11-01	S11-02	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	16	0.53%	0
P11-03	S11-03	S11-04	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	57	0.94%	10.4
P11-04	S11-04	S11-05	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	68	0.94%	12.8
P11-05	S11-05	S11-06	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	19	1.06%	6.7
P11-06	S11-06	S11-12	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	117	0.50%	0
P11-07	S11-07	S11-08	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	58	0.31%	3.8
P11-09	S11-09	S11-11	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.72%	12.9
P11-10	S11-10	S11-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	38	1.00%	12.9
P11-11	S11-11	S11-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	19	0.80%	5.9
P11-12	S11-12	S11-18	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	123	0.45%	5
P11-14	S11-14	S11-13	18	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	63	0.31%	3.9
P11-15	S11-15	S11-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	34	0.64%	6
P11-16	S11-16	S11-17	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.68%	6.3
P11-17	S11-17	S11-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	19	0.37%	5.5

PIPE NO.	LOCATION FROM STR.	LOCATION TO STR.	SIZE	PAY ITEM NO.	PAY ITEM DESCRIPTION	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
P11-18	S11-18	S11-23	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	65	0.45%	0
P11-19	S11-19	S11-20	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	23	3.26%	3.8
P11-20	S11-20	S11-21	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	34	0.53%	6.9
P11-21	S11-21	S11-22	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.56%	9.7
P11-22	S11-22	S11-23	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	19	0.74%	6.3
P11-23	S11-23	S11-32	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	58	0.50%	0
P11-24	S11-24	S11-22	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	23	4.83%	6.3
P11-25	S11-25	S11-20	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	23	3.26%	3.8
P11-26	S11-26	S11-22	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	23	4.83%	4.4
P11-27	S11-27	S11-28	18	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	49	0.49%	4
P11-29	S11-29	S11-30	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.55%	4.8
P11-30	S11-30	S11-31	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.56%	6.3
P11-31	S11-31	S11-32	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	19	3.91%	5.9
P11-32	S11-32	S11-33	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	42	0.43%	0
P11-33	S11-33	S11-34	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	18	0.45%	0
P11-36	S11-36	S11-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	1.27%	15.5
P11-37	S11-37	S11-38	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	19	1.44%	6.7
P11-38	S11-38	S11-35	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	17	1.50%	0
P11-40	S11-40	S11-39	18	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	61	1.00%	3.1
P11-41	S11-41	S11-42	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.78%	14
P11-42	S11-42	S11-43	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	19	0.88%	5.9
P11-43	S11-43	S11-38	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	110	0.90%	0
P11-44	S11-44	S11-42	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	72	1.26%	14.6
P11-46	S11-46	S11-45	15	542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	71	1.00%	0
P11-47	S11-47	S11-48	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.62%	12.5
P11-48	S11-48	S11-49	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	19	0.62%	5.5
P11-49	S11-49	S11-43	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	151	0.90%	0
P11-50	S11-50	S12-01	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	176	1.90%	0
P11-51	S11-51	S11-50	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	1.00%	3.5
P11-52	S11-52	S11-51	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	80	0.65%	16.3
P11-53	S11-53	S11-54	42	550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	134	0.37%	65.3
P11-54	EX PIPE	S11-01	15	550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	13	2.00%	0
P12-01	S12-01	S12-03	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	64	2.10%	0
P12-02	S12-02	S12-01	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	1.76%	3.5
P12-03	S12-03	S12-07	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	76	2.10%	0
P12-04	S12-04	S12-03	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	14	2.32%	4.7
P12-05	S12-05	S12-04	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	69	0.52%	10
P12-06	S12-07	S12-06	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	7	4.00%	0
P12-07	S12-07	S12-08	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	166	1.65%	0
P12-08	S12-08	S12-12	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	246	1.65%	0
P12-09	S12-09	S12-08	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	15	0.67%	4.5
P12-10	S12-10	S12-09	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	1.50%	6.3
P12-11	S12-11	S12-10	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.55%	5.9
P12-12	S12-12	S12-16	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	216	1.10%	0
P12-13	S12-13	S12-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	16	1.46%	4.4
P12-14	S12-14	S12-13	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	28	0.57%	6.3
P12-15	S12-15	S12-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	37	0.54%	7.6
P12-16	S12-16	S12-19	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	95	0.50%	0
P12-17	S12-17	S12-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	15	0.60%	4.1
P12-18	S12-18	S12-17	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	68	0.53%	12.5
P12-19	S12-19	S12-22	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	95	0.50%	0
P12-20	S12-20	S12-19	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	0.64%	4.1
P12-21	S12-21	S12-20	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.52%	12.5
P12-22	S12-22	S12-25	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	80	0.50%	0
P12-23	S12-23	S12-22	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	0.64%	4.1
P12-24	S12-24	S12-23	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.52%	12.5
P12-25	S12-25	S13-02	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	145	0.50%	0
P12-26	S12-26	S12-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	0.64%	4.4
P12-27	S12-27	S12-26	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.52%	12.5
P12-28	S12-28	S12-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	56	1.60%	9.2
P13-01	S13-01	S13-03	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	62	1.16%	11.3
P13-02	S13-02	S13-06	24x38	550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	130	0.16%	0
P13-03	S13-03	S13-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	13	0.69%	4.4
P13-04	S13-04	S13-03	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.52%	12.5
P13-05	S13-05	S13-07	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	42	0.60%	6.9
P13-06	S13-06	S13-09	24x38	550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	77	0.19%	0
P13-07	S13-07	S13-06	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	13	2.08%	3.8
P13-08	S13-08	S13-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	85	0.53%	13.7
P13-09	S13-09	S13-10	24x38	550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	11	0.19%	6.4
P13-10	S13-10	S13-11	24x38	550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	30	0.19%	4.1
P13-11	S13-11	S13-12	24x38	550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	30	0.19%	5
P13-12	S13-12	S13-13	24x38	550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	31	0.16%	5.2
P13-14	S13-14	S13-43	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	25	1.60%	2.6
P13-15	S13-15	S13-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	26	0.58%	3.4
P13-17	S13-17	S13-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	0.56%	3.8
P13-19	S13-19	S13-15	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	30	0.57%	3.4
P13-20	S13-20	S13-21	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.52%	10.3
P13-21	S13-21	S13-22	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	19	0.61%	5.5
P13-22	S13-22	S13-25	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	61	1.25%	0
P13-23	S13-23	S13-24	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.89%	12.5
P13-24	S13-24	S13-25	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	19	1.25%	5.9
P13-25	S13-25	S13-29	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	100	0.30%	9.6
P13-28	S13-28	S13-29	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	19	0.57%	4.7
P13-29	S13-29	S13-32	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	64	0.50%	0
P13-30	S13-30	S13-31	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.48%	12.5
P13-31	S13-31	S13-32	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	19	0.57%	5.5
P13-32	S13-32	S13-37	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	111	0.80%	5.3

MODEL: SHEET_08
FILE NAME: pw:\\stateftcksc-pw.bentley.com:PATRICKCQ-PW-02\Documents\IDOT\22177.01\912 Design\123_CADD\SHEETS\C1-SHT-HRAN-SCHED.dgn

HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzzio	DESIGNED - DMS	REVISED -		
	DRAWN - HRG	REVISED -		
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -		
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES
PIPE SCHEDULE

SCALE: NTS | SHEET 8 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	372
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PIPE NO.	LOCATION FROM STR.	LOCATION TO STR.	SIZE	PAY ITEM NO.	PAY ITEM DESCRIPTION	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
P13-33	S13-33	S13-32	15	542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	6	1.00%	1.9
P13-35	S13-35	S13-39	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	77	0.52%	4.7
P13-36	S13-36	S13-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	16	5.19%	5.4
P13-37	S13-37	S13-40	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	75	0.50%	6.1
P13-38	S13-38	S13-41	18	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	88	0.91%	4.8
P13-39	S13-39	S13-40	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	93	0.52%	15.9
P13-40	S13-40	S14-03	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	171	0.60%	0
P13-42	S13-42	S14-01	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	62	0.68%	9.9
P14-01	S14-01	S14-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	68	0.69%	12.5
P14-02	S14-02	S14-03	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	20	0.92%	5.1
P14-03	S14-03	S14-07	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	160	0.80%	0
P14-04	S14-04	S14-05	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	52	2.04%	8.4
P14-05	S14-05	S14-06	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	68	0.53%	10.6
P14-06	S14-06	S14-07	21	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	20	1.02%	5.5
P14-07	S14-07	S14-09	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	85	0.80%	0
P14-08	S14-08	S14-09	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	20	4.95%	5.5
P14-09	S14-09	S14-10	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	19	0.80%	0
P14-12	S14-12	S14-11	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	31	1.84%	3.5
P14-13	S14-13	S14-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.52%	9.4
P14-14	S14-14	S14-19	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	21	0.50%	2.3
P14-16	S14-16	S14-19	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	4.32%	3
P14-17	S14-17	S14-21	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	7	0.57%	2.6
P14-19	S14-19	S14-18	15	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	31	1.71%	1.8
P14-20	S14-20	S14-19	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	32	0.56%	6.9
P14-21	S14-21	S14-20	15	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	32	0.56%	6.3
P14-22	S14-22	S14-19	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	11	4.32%	3
P14-23	S14-23	S14-21	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	7	0.50%	2.6
P14-24	S14-24	S14-22	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	0.68%	2.3
P14-26	S14-26	S14-27	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	1.04%	10.5
P14-27	S14-27	S14-28	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	36	2.36%	3.8
P14-29	S14-29	S14-30	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	1.57%	12
P14-30	S14-30	S14-31	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	38	4.16%	4.1
P14-32	S14-32	S14-33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	1.04%	12.5
P14-33	S14-33	S14-34	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	46	5.22%	7.1
P14-37	S14-37	S14-38	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	2.09%	17
P14-38	S14-38	S14-39	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	19	3.37%	12.4
P14-39	S14-39	S14-36	36	550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	49	0.10%	0
P14-40	S14-40	S14-41	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	73	1.90%	18.2
P14-41	S14-41	S14-42	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	19	1.68%	7.6
P14-42	S14-42	S14-39	36	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	189	0.10%	0
P14-43	S14-43	S14-44	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	72	0.11%	58.1
P14-44	S14-44	S14-45	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	15	0.13%	13.9
P14-45	S14-45	S14-42	36	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	119	0.10%	0
P14-46	S14-46	S14-43	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	44	0.09%	6.4
P14-47	S14-47	S14-45	36	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	26	0.12%	0
P14-49	S14-49	S14-48	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	38	4.13%	4.1
P15-02	S15-02	S15-01	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	37	4.16%	4.1
P15-03	S15-03	S15-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.59%	17
P15-05	S15-05	S15-04	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	36	1.81%	4.7
P15-06	S15-06	S15-05	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.54%	18.6
P15-08	S15-08	S15-07	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	35	0.34%	4.4
P15-09	S15-09	S15-08	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.46%	14.8
P15-11	S15-11	S15-10	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	35	0.37%	3.8
P15-12	S15-12	S15-11	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.45%	7
P15-13	S15-13	S15-16	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	93	0.60%	0
P15-14	S15-14	S15-13	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	13	0.65%	4.7
P15-15	S15-15	S15-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	92	0.51%	14.3
P15-16	S15-16	S15-20	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	158	0.30%	11
P15-17	S15-17	S15-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	13	0.70%	4.4
P15-18	S15-18	S15-19	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	64	1.50%	4.3
P15-20	S15-20	S15-24	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	113	0.49%	0
P15-21	S15-21	S15-20	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	3.84%	4.1
P15-22	S15-22	S15-23	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	64	0.55%	4.3
P15-24	S15-24	S15-25	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	36	0.30%	5.4
P15-25	S15-25	S15-26	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	10	0.30%	1
P15-26	S15-26	S15-27	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	32	0.30%	4.8
P15-27	S15-27	S15-28	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	30	0.30%	3.5
P15-29	S15-29	S15-34	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	47	1.09%	0
P15-30	S15-30	S15-29	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	35	0.54%	6.4
P15-31	S15-31	S15-30	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	8	0.62%	0.7
P15-32	S15-32	S15-33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	31	0.45%	2.7
P15-35	S15-35	S15-36	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	31	0.45%	3.1
P15-37	S15-37	S15-40	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	37	0.51%	6.1
P15-38	S15-38	S15-41	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	17	1.29%	2.7
P15-40	S15-40	S15-43	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	1.36%	2.6
P15-41	S15-41	S15-44	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	0.73%	2
P15-42	S15-42	S15-39	24X38	550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	31	0.10%	0
P15-43	S15-43	S15-42	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	32	0.38%	10
P15-44	S15-44	S15-43	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	50	0.36%	9.5
P15-45	S15-45	S15-43	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.67%	2.3
P15-46	S15-46	S15-44	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.50%	1.9
P15-47	S15-47	S15-42	24X38	550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	37	0.10%	29.8
P15-48	S15-48	S15-47	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.69%	10.6
P15-49	S15-49	S15-48	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	47	0.53%	9.7
P16-01	S16-01	S15-47	24X38	550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	54	0.10%	28.7
P16-02	S16-02	S16-01	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	82	0.45%	18.5
P16-03	S16-03	S16-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	47	0.49%	7.6

PIPE NO.	LOCATION FROM STR.	LOCATION TO STR.	SIZE	PAY ITEM NO.	PAY ITEM DESCRIPTION	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
P16-04	S16-04	S16-01	24X38	550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	85	0.10%	73.1
P16-05	S16-05	S16-04	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	82	0.52%	22.2
P16-06	S16-06	S16-05	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	47	0.53%	8.7
P16-08	S16-08	S16-07	18	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	75	0.37%	4.2
P16-09	S16-09	S16-04	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	74	0.17%	63.6
P16-10	S16-10	S16-09	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	53	0.53%	12.2
P16-11	S16-11	S16-09	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	43	0.50%	41.6
P16-12	S16-12	S16-11	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	52	0.54%	20.8
P16-13	S16-13	S16-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	29	0.55%	6.9
P16-14	S16-14	S16-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	3.88%	7.6
P16-15	S16-15	S16-11	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	138	0.50%	128.1
P16-16	S16-16	S16-15	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	51	0.57%	16
P16-17	S16-17	S16-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	29	0.55%	6.3
P16-18	S16-18	S16-16	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	43	0.53%	10.7
P16-20	S16-20	S16-19	14X23	542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	70	0.20%	77.4
P16-21	S16-21	S16-25	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	73	0.30%	0
P16-22	S16-22	S16-21	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	36	0.42%	10.3
P16-23	S16-23	S16-22	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	10	0.70%	1.2
P16-24	S16-24	S16-23	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.56%	6
P16-25	S16-25	S16-27	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	60	1.17%	0
P16-26	S16-26	S16-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	36	0.56%	7.9
P16-27	S16-27	S16-31	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	120	0.30%	13.5
P16-28	S16-28	S16-27	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	14	3.93%	5
P16-29	S16-29	S16-28	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.56%	6.9
P16-30	S16-30	S16-29	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.55%	5.9
P16-31	S16-31	S16-44	24X38	550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	64	0.20%	20.2
P16-32	S16-32	S16-31	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	13	2.31%	3.8
P16-33	S16-33	S16-32	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	0.56%	5.2
P16-34	S16-34	S16-33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.55%	5.9
P16-35	S16-35	S16-36	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.63%	2.3
P16-36	S16-36	S16-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	3.95%	3
P16-37	S16-37	S16-44	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	13	0.69%	5.2
P16-38	S16-38	S16-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	4.08%	3
P16-39	S16-39	S16-40	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.63%	2.3
P16-40	S16-40	S16-41	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	0.68%	2.6
P16-41	S16-41	S16-43	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	32	0.56%	6.3
P16-42	S16-42	S16-41	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	1.08%	2.6
P16-43	S16-43	S16-37	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	32	0.56%	6.9
P16-44	S16-44	S16-45	36	550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	89	0.10%	61.5
P16-45	S16-45	S17-01	36	550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	116	0.10%	99.6
P16-46	S16-46	S16-45	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	10	0.90%	4.7
P16-47	S16-47	S16-46	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.56%	6.3
P16-48	S16-48	S16-47	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.55%	5.9
P17-01	S17-01	S17-02	36	550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	30	0.10%	0
P17-04	S17-04	S17-03	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	27	0.10%	0
P17-05	S17-05	S17-04	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	123	0.10%	0
P17-06	S17-06	S17-05	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	78	0.10%	0
P17-07	S17-07	S17-08	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.63%	2.3
P17-08	S17-08	S17-09	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	0.68%	2.6
P17-09	S17-09	S17-13	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	80	0.21%	17.9
P17-10	S17-10	S17-09	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	1.08%	2.6
P17-11	S17-11	S17-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.63%	2.6
P17-12	S17-12	S17-13	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	4.32%	3
P17-13	S17-13	S17-06	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	12	1.50%	5.5
P17-14	S17-14	S17-13	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	4.50%	3
P17-15	S17-15	S17-06	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	63	0.10%	26.6
P17-16	S17-16	S17-15	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	12	0.68%	4.7
P17-17	S17-17	S17-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	80	0.53%	15.3
P17-18	S17-18	S17-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	2.58%	6.8
P17-19	S17-19	S17-15	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	198	0.10%	26.6
P17-20	S17-20	S17-19	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.92%	4.4
P17-21	S17-21	S17-20	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	80	0.52%	14.4
P17-22	S17-22	S17-19	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	268	0.10%	123.5
P17-23	S17-23	S17-22	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	6	3.77%	3.6
P17-24	S17-24	S17-22	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	34	0.10%	34
P17-25	S17-25	S17-24	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	2	2.00%	0.7
P17-26	S17-26	S17-25	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.56%	7.1
P17-27	S17-27	S17-26	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.55%	6.5
P17-28	S17-28	S17-24	19x30	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	104	0.10%	54.2
P17-29	S17-29	S17-28	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	34	0.53%	8.9
P17-30	S17-30	S17-29	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	39	0.49%	8.4
P17-31	S17-31	S17-28	19x30	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	60	0.10%	24.9
P17-32	S17-32	S17-33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	13	0.54%	2.2
P17-33	S17-33	S17-34	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	0.55%	2
P17-34	S17-34	S17-37	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	68	0.47%	8.4
P17-35	S17-35	S17-36	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	13	0.54%	2.2
P17-36	S17-36	S17-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	0.64%	2
P17-37	S17-37	S17-31	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	3	1.33%	1.9
P17-38	S17-38	S17-31	19x30	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	29	0.10%	12.2
P17-39	S17-39	S17-40	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	68	0.47%	9.6
P17-40	S17-40	S17-38	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	7	0.86%	3.4
P17-41	S17-41	S17-39	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	37	0.49%	5.3
P17-42	S17-42	S17-38	19x30	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	105	0.10%	47.8
P17-43	S17-43	S17-42	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	7	1.00%	3.8
P17-44	S17-44	S17-43	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	70	0.53%	12.7
P17-45	S17-45	S17-05	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.75%	4.4
P17-46	S17-46	S17-45	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	81	0.52%	14.6

MODEL: SHEET_09
FILE NAME: pw:\\stat1fcksp-pw.bentley.com:PATRICKCQ-PW-02\Documents\IDOT\22177.01\912 Design\12.3 CADD\SHEETS\C1-SHT-HRAN-SCHED.dgn

HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzzio	DESIGNED - DMS	REVISED -	
	DRAWN - HRG	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -	
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES
PIPE SCHEDULE

SCALE: NTS | SHEET 9 OF 11 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	373
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PIPE NO.	LOCATION FROM STR.	LOCATION TO STR.	SIZE	PAY ITEM NO.	PAY ITEM DESCRIPTION	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
P17-48	S17-48	S17-47	18	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	173	0.30%	12.1
P17-49	S17-49	S18-01	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	79	0.30%	4.4
P17-50	S17-50	S17-49	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.79%	3.2
P17-51	S17-51	S17-50	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	71	0.52%	12.9
P17-52	S17-52	S17-53	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	7	1.43%	1.8
P17-53	S17-53	S17-55	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	64	1.06%	11.6
P17-54	S17-54	S17-55	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	7	1.43%	1.8
P17-55	S17-55	S17-56	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	5	3.20%	5.2
P18-01	S18-01	S18-04	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	79	0.30%	10.4
P18-02	S18-02	S18-01	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	14	2.04%	4.4
P18-03	S18-03	S18-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	1.57%	15.5
P18-04	S18-04	S18-06	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	231	0.30%	26.8
P18-05	S18-05	S18-04	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	14	1.69%	10.7
P18-06	S18-06	S18-09	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	75	0.30%	38.8
P18-07	S18-07	S18-06	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	14	2.04%	14.9
P18-08	S18-08	S18-07	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	69	1.04%	45.5
P18-09	S18-09	S18-13	36	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	99	0.30%	0
P18-10	S18-10	S18-09	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	13	3.46%	12.2
P18-11	S18-11	S18-10	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	68	2.12%	24
P18-13	S18-13	S18-18	36	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	139	0.81%	0
P18-14	S18-14	S18-13	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	13	2.21%	11.6
P18-15	S18-15	S18-14	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	75	1.64%	26.6
P18-16	S18-16	S18-51	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	2.00%	3.6
P18-17	S18-17	S18-18	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	4	6.75%	0
P18-18	S18-18	S18-21	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	59	0.10%	0
P18-19	S18-19	S18-18	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	13	1.08%	4.58
P18-20	S18-20	S18-19	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	80	1.71%	54.4
P18-21	S18-21	S18-26	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	64	0.10%	0
P18-22	S18-22	S18-21	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	13	2.92%	9.5
P18-23	S18-23	S18-22	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	81	1.81%	18.1
P18-24	S18-24	S18-26	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	16	1.31%	0
P18-26	S18-26	S18-29	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	152	0.10%	175.8
P18-27	S18-27	S18-26	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	6	2.58%	7.4
P18-28	S18-28	S18-27	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	92	1.34%	20.5
P18-29	S18-29	S18-30	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	47	0.10%	0
P18-30	S18-30	S18-39	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	74	0.10%	0
P18-31	S18-31	S18-29	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	104	0.41%	82.6
P18-32	S18-32	S18-31	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	66	0.42%	20.4
P18-33	S18-33	S18-32	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	26	0.46%	0
P18-34	S18-34	S18-33	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	3	2.33%	2.4
P18-35	S18-35	S18-34	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	47	0.53%	10.9
P18-36	S18-36	S18-30	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	1.73%	3.8
P18-37	S18-37	S18-36	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	81	0.52%	18.3
P18-38	S18-38	S18-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	36	0.54%	8.9
P18-39	S18-39	S18-41	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	54	0.10%	0
P18-40	S18-40	S18-39	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	3.73%	3
P18-41	S18-41	S18-45	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	84	0.10%	0
P18-42	S18-42	S18-41	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	11	0.73%	3.8
P18-43	S18-43	S18-42	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	80	0.50%	19.9
P18-44	S18-44	S18-43	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	0.53%	6.1
P18-45	S18-45	S19-01	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	44	0.10%	0
P18-46	S18-46	S18-45	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	0.36%	2.8
P18-47	S18-47	S18-11	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	38	2.84%	5.6
P18-48	S18-48	S18-35	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	1.25%	2.6
P18-49	S18-49	S18-34	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	1.25%	2.6
P18-50	S18-50	S18-24	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.52%	1.1
P18-51	S18-51	S18-20	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	50	1.08%	37
P18-52	S18-52	S18-53	15	542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	58	0.31%	2.2
P18-53	S18-54	S18-51	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	1.07%	2.3
P19-01	S19-01	S19-04	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	129	0.10%	71.7
P19-02	S19-02	S19-01	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	7	3.00%	3.6
P19-03	S19-03	S19-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	75	0.52%	8.4
P19-04	S19-04	S19-08	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	119	0.10%	119.5
P19-05	S19-05	S19-04	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	9	2.17%	4.8
P19-06	S19-06	S19-05	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	0.56%	6.3
P19-07	S19-07	S19-06	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	0.55%	5.9
P19-08	S19-08	S19-15	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	66	0.10%	62.1
P19-09	S19-09	S19-08	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	9	3.11%	5.4
P19-10	S19-10	S19-09	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	27	0.57%	6.3
P19-11	S19-11	S19-10	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	38	0.55%	7.7
P19-13	S19-13	S19-09	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	61	0.46%	3.7
P19-14	S19-14	S19-13	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.46%	10.1
P19-15	S19-15	S19-16	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	20	0.10%	0
P19-18	S19-18	S19-17	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	18	0.10%	0
P19-19	S19-19	S19-18	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	8	0.10%	12
P19-20	S19-20	S19-19	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	10	0.80%	4.8
P19-21	S19-21	S19-20	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	0.52%	12.5
P19-22	S19-22	S19-19	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	107	0.10%	48.2
P19-23	S19-23	S19-24	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	27	0.56%	4.6
P19-24	S19-24	S19-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	11	0.64%	2.3
P19-25	S19-25	S19-26	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	0.70%	2.5
P19-26	S19-26	S19-30	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	68	0.05%	12.1
P19-27	S19-27	S19-26	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	13	0.85%	2.8
P19-28	S19-28	S19-29	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	0.63%	2.6
P19-29	S19-29	S19-30	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	0.70%	2.5
P19-30	S19-30	S19-22	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	10	0.80%	4.6
P19-31	S19-31	S19-30	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	13	0.69%	2.8

PIPE NO.	LOCATION FROM STR.	LOCATION TO STR.	SIZE	PAY ITEM NO.	PAY ITEM DESCRIPTION	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
P19-32	S19-32	S19-31	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	0.54%	2.5
P19-33	S19-33	S19-22	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	99	0.10%	40.3
P19-34	S19-34	S19-33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	3.29%	4.5
P19-35	S19-35	S19-33	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	21	0.10%	9
P19-36	S19-36	S19-35	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	10	0.75%	4.8
P19-37	S19-37	S19-36	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	73	0.52%	13.2
P19-38	S19-38	S19-35	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	50	0.10%	42.5
P19-39	S19-39	S19-38	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	0.77%	4.5
P19-40	S19-40	S19-57	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	144	0.10%	198.8
P19-41	S19-41	S19-40	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	10	1.50%	6.2
P19-42	S19-42	S19-41	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	69	0.73%	16.9
P19-43	S19-43	S19-40	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	94	0.10%	164.2
P19-44	S19-44	S19-43	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	10	3.12%	9.5
P19-45	S19-45	S19-44	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	70	1.56%	15.7
P19-46	S19-46	S19-43	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	74	0.10%	148.3
P19-47	S19-47	S19-46	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	88	2.61%	33
P19-48	S19-48	S19-47	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	32	2.66%	4.1
P19-49	S19-49	S19-47	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	2.47%	9
P19-50	S19-50	S19-46	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	64	0.10%	129.8
P19-51	S19-51	S19-50	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	11	0.79%	11.7
P19-52	S19-52	S20-03	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	29	3.03%	4.3
P19-53	S19-53	S19-57	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	10	0.82%	4.8
P19-54	S19-54	S19-53	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	70	0.52%	12.7
P19-57	S19-57	S19-38	29x45	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	144	0.10%	151.2
P19-59	S19-59	S19-58	14X23	542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	72	0.20%	101.2
P20-01	S20-01	S19-50	29x45	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	116	0.10%	105.8
P20-02	S20-02	S20-01	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	15	2.70%	8.6
P20-03	S20-03	S20-02	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	2.25%	7.1
P20-04	S20-04	S20-03	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	33	2.18%	7.1
P20-05	S20-05	S20-01	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	173	1.20%	0
P20-06	S20-06	S20-05	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	16	3.17%	11.1
P20-07	S20-07	S20-06	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	69	2.09%	12.6
P20-08	S20-08	S20-05	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	135	3.00%	0
P20-09	S20-09	S20-08	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	15	2.45%	11.1
P20-10	S20-10	S20-09	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	32	2.25%	8.6
P20-11	S20-11	S20-10	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	2.25%	6.9
P20-12	S20-12	S20-08	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	131	0.60%	0
P20-13	S20-13	S20-12	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	20	1.37%	11.1
P20-14	S20-14	S20-13	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	68	2.12%	20.2
P20-15	S20-15	S20-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	35	1.63%	5.1
P20-16	S20-16	S20-12	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	101	0.60%	0
P20-17	S20-17	S20-16	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	16	2.09%	10.7
P20-18	S20-18	S20-17	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	68	1.85%	14.5
P20-19	S20-19	S20-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	35	1.67%	5.1
P20-20	S20-20	S20-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	72	0.52%	11.4
P20-21	S20-21	S20-16	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	151	0.60%	0
P20-22	S20-22	S20-21	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	16	0.63%	10.7
P20-23	S20-23	S20-22	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	68	0.53%	27.6
P20-24	S20-24	S20-23	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	35	0.54%	14.9
P20-25	S20-25	S20-23	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	77	0.52%	0
P20-28	S20-28	S20-32	30	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	30	0.20%	0
P20-29	S20-29	S20-28	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	10	6.10%	4
P20-30	S20-30	S20-29	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	81	1.04%	16.3
P20-32	S20-32	S20-34	30	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	69	0.20%	0
P20-33	S20-33	S20-32	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	11	4.77%	3.8
P20-34	S20-34	S20-37	30	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	30	0.20%	0
P20-35	S20-35	S20-34	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	10	2.65%	3.8
P20-36	S20-36	S20-35	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	81	1.89%	20.1
P20-37	S20-37	S20-38	30	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	26	0.20%	0
P20-40	S20-40	S20-39	30	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	22	0.23%	0
P20-41	S20-41	S20-40	30	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	9	0.33%	4.2
P20-42	S20-42	S20-41	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	81	0.53%	14.8
P20-43	S20-43	S20-41	30	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	90	0.21%	79.9
P20-44	S20-44	S20-43	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	76	0.53%	13.7
P20-46	S20-46	S20-45	42	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	37	0.10%	0
P20-47	S20-47	S20-46	42	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	88	0.10%	0
P20-48	S20-48	S20-47	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	10	0.74%	7.8
P20-49	S20-49	S20-48	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	68	0.53%	23.1
P20-50	S20-50	S20-49	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	23	0.54%	6.2
P20-51	S20-51	S20-52	30	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	159	0.69%	14.1
P20-53	S20-53	S20-11	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	35	0.54%	5.1
P21-01	S21-01	S20-49	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	4.64%	8.3
P21-02	S21-02	S20-47	42	550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	99	0.10%	0
P21-03	S21-03	S21-02	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	10	2.24%	8.5
P21-04	S21-04	S21-03	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	68	1.59%	21.6
P21-05	S21-05	S21-04	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	20	2.30%	6
P21-06	S21-06	S21-02	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	125	1.33%	6.1
P21-07	S21-07	S21-08	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	5	4.20%	17.4
P21-08	S21-08	S21-06	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	80	0.60%	0
P21-09	S21-09	S21-08	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	11	0.68%	8.2
P21-10	S21-10	S21-09	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	75	0.53%	25.3
P21-11	S21-11	S21-10	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	23	0.57%	3.8
P21-12	S21-12	S21-08	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	82	1.26%	0
P21-13	S21-13	S21-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	3.00%	5.6
P21-14	S21-14	S21-13	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	68	1.59%	15.5
P21-16	S21-16	S21-17	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	5	0.90%	0
P21-17	S21-17	S21-12	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	56	0.50%	0

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USER NAME = mzuzzio	DESIGNED - DMS	REVISED -		
	DRAWN - HRG	REVISED -		
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -		
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES
PIPE SCHEDULE

SCALE: NTS | SHEET 10 OF 11 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	374
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PIPE NO.	LOCATION FROM STR.	LOCATION TO STR.	SIZE	PAY ITEM NO.	PAY ITEM DESCRIPTION	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)
P21-18	S21-18	S21-17	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	14	2.46%	5.3
P21-19	S21-19	S21-20	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	130	1.00%	0
P21-20	S21-20	S21-32	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	200	2.00%	0
P21-21	S21-21	S21-20	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	14	5.79%	4.4
P21-22	S21-22	S21-23	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	117	1.00%	4.8
P21-23	S21-23	S21-25	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	139	1.00%	25.8
P21-24	S21-24	S21-23	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	19	5.00%	5.3
P21-25	S21-25	S21-27	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	112	1.00%	0
P21-26	S21-26	S21-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	21	2.45%	4.6
P21-27	S21-27	S21-29	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	71	1.00%	30.7
P21-28	S21-28	S21-27	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	20	2.08%	4.2
P21-29	S21-29	S21-30	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	18	1.50%	23.9
P21-30	S21-30	S21-31	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	78	1.50%	80
P21-31	S21-31	S21-32	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	19	1.50%	13.7
P21-35	S21-35	S21-19	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	149	1.00%	42.7
P21-36	S21-36	S21-37	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	31	1.76%	6.5
P21-38	S21-38	S21-24	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	31	4.84%	4.1
P21-39	S21-39	S21-26	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	29	1.07%	4.3
P21-40	S21-40	S21-28	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	41	2.31%	6.1
P22-01	S22-01	ES11-34	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	45	1.51%	0
P22-02	S22-03	S22-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	39	0.64%	0
P23-01	S23-01	S23-02	15	542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	73	0.30%	4.5
P24-02	S24-02	S24-01	12	542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	55	0.50%	4.1
P25-01	S25-01	S18-33	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	102	1.50%	35.5
P25-02	S25-02	S25-01	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	7	0.50%	1
P25-03	S25-03	S25-02	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	45	0.50%	7.8
P25-04	S25-04	S25-01	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	90	1.00%	1.3
P25-05	S25-05	S25-04	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	41	0.50%	3.3
P25-06	S25-06	S25-05	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	21	1.00%	6.8
P25-07	S25-07	S25-06	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	12	1.00%	0.8
P25-08	S25-08	S25-27	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	67	0.83%	0
P25-09	S25-09	S25-08	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	80	0.75%	0
P25-10	S25-10	S25-09	12	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	7	2.00%	1
P25-11	S25-11	S25-10	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	32	1.50%	5.6
P25-12	S25-12	S25-09	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	158	0.75%	84.3
P25-13	S25-13	S25-12	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	36	1.50%	6.3
P25-14	S25-14	S25-12	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	42	0.75%	27
P25-15	S25-15	S25-14	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	35	1.50%	6.1
P25-16	S25-16	S25-14	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	78	0.75%	23
P25-17	S25-17	S25-16	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	39	1.00%	6.8
P25-18	S25-18	S25-16	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	59	0.75%	22.6
P25-19	S25-19	S25-18	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	44	1.00%	7.7
P25-20	S25-20	S25-18	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	72	0.75%	27.6
P25-21	S25-21	S25-20	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	53	1.00%	9.2
P25-22	S25-22	S25-20	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	11	0.75%	7.1
P25-23	S25-23	S25-22	24	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	70	0.75%	53.5
P25-24	S25-24	S25-23	24	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	94	0.75%	36.1
P25-25	S25-25	S25-23	24	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	57	0.61%	7.6
P25-26	S25-26	S25-25	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	61	0.50%	10.6

PIPE UNDERDRAIN SCHEDULE

STR. NO.	PAY ITEM	PAY ITEM DESCRIPTION	LENGTH (FT)	INVERT ELEV. NORTH	INVERT ELEV. EAST	INVERT ELEV. SOUTH	INVERT ELEV. WEST
S8-15	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	100			769.42	
S8-17	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	769.58		769.58	
S11-20	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	857.40		857.40	
S11-22	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	857.40		857.40	
S14-19	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	826.17		826.17	
S14-21	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	826.17		826.17	
S15-43	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	154	824.25		824.25	
S15-44	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	154	821.10		821.10	
S16-37	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	822.00		822.00	
S16-41	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	822.00		822.00	
S17-09	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	821.75		821.75	
S17-13	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	821.99		821.99	
S17-34	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	821.06		821.06	
S17-37	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	821.06		821.06	
S18-34	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	819.84		819.84	
S18-35	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	819.85		819.85	
S19-26	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	126	816.94		816.94	
S19-30	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200	816.94		816.94	
S23-03	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	200				
	60108100	PIPE UNDERDRAINS 4" (SPECIAL)	16			768.60	
S23-04	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	195				
	60108100	PIPE UNDERDRAINS 4" (SPECIAL)	10	770.10			
TOTALS:		PIPE UNDERDRAINS, TYPE 2, 4"	3729				
TOTALS:		PIPE UNDERDRAINS 4" (SPECIAL)	26				

PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE (X5510011)	
STRUCTURE	EACH
ES1-8	1
ES1-4	1
ES1-7	1
ES1-17	1
ES1-10	1
S25-27	1
TOTAL	6

CONNECTION TO EXISTING DRAINAGE STRUCTURE (X1200160)	
STRUCTURE	EACH
S2-14	1
S2-15	1
TOTAL	2

PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER (X6025604)	
STRUCTURE	EACH
S1-01	2
S2-03	1
S2-04	1
S2-05	1
S2-06	2
S2-12	1
S2-13	1
S3-14	1
S3-37	2
S3-41	1
S3-45	2
S3-46	2
S4-36	2
S4-38	2
S6-04	1
S9-02	1
S9-10	1
S9-26	1
S18-51	1
S21-32	1
S21-37	1
TOTAL	28

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USER NAME = mzuzzio		DESIGNED - DMS		REVISED -	
		DRAWN - HRG		REVISED -	
PLOT SCALE = 100.0000 ' / in.		CHECKED - TEH		REVISED -	
PLOT DATE = 10/4/2024		DATE - 04/30/2024		REVISED -	

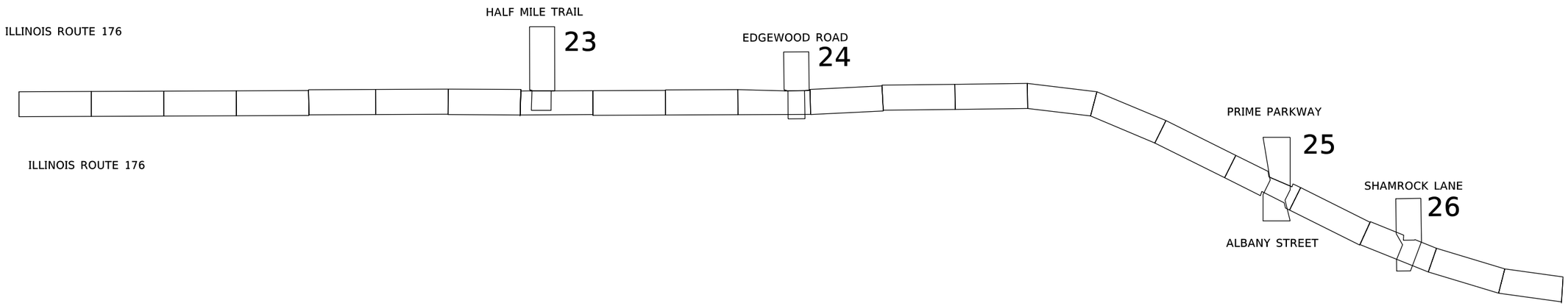
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES
PIPE SCHEDULE

SCALE: NTS | SHEET 11 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	375
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





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PATRICK a RJR company

USER NAME = mzuzzio	DESIGNED - DMS	REVISED -	
	DRAWN - HRG	REVISED -	
PLOT SCALE = 2000.0000 ' / in.	CHECKED - TEH	REVISED -	
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

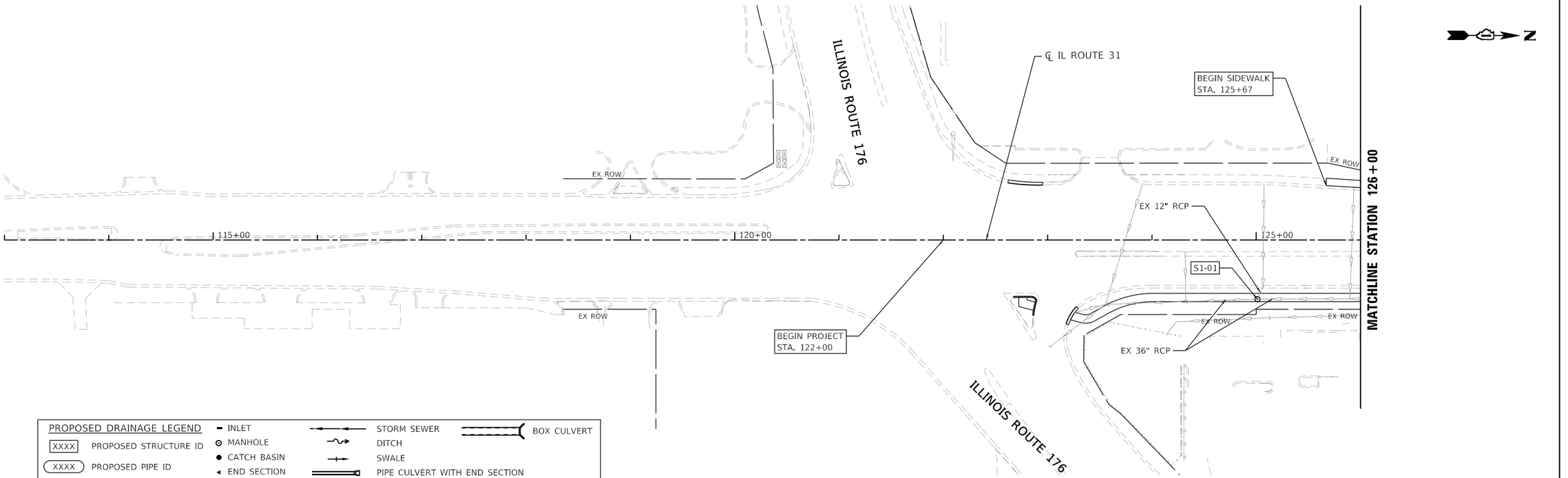
DRAINAGE PLAN SHEET LAYOUT
ILLINOIS ROUTE 31

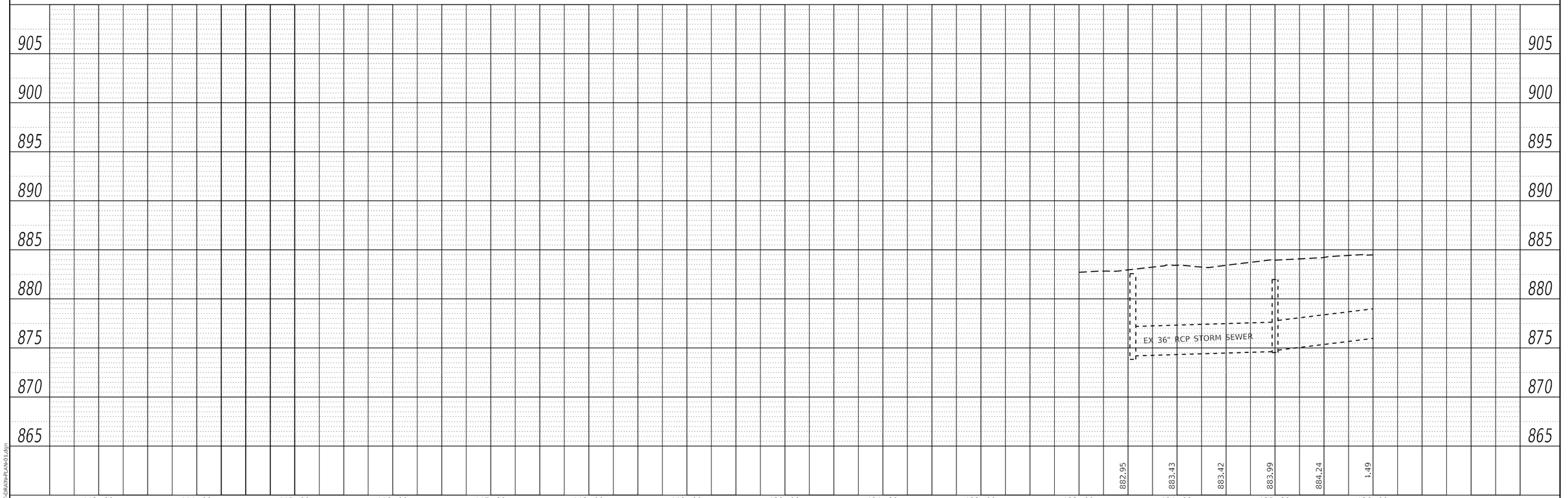
SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	376
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M.: NOTED
STRUCTURE NOTATNS CHKD
BY
DATE





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USER NAME = mzuzzio	DESIGNED - DMS	REVISED -	
	DRAWN - HRG	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -	
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 26 SHEETS | STA. 113+00 | TO STA. 126+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	377
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
DATE
BY

MATCHLINE STATION 126+00

REILAND DRIVE

℄ IL ROUTE 31

RAY STREET

MATCHLINE STATION 139+00

EX ROW
PR ROW
PR TEMP EASEMENT
EX 24" ELLIPTICAL RCP
EX 12" RCP
EX 30" RCP
EX 24" ELLI

S2-01
P2-01
S2-14
S2-02
P2-02
S2-15
ES1-10
P2-08
S2-16
S2-03
P2-03
S2-04
P2-04
S2-05
P2-05
S2-06
P2-06
S2-07
P2-07
S2-08
S2-09
S2-12
P2-09
S2-11
P2-10

130+00
135+00

PROPOSED DRAINAGE LEGEND

XXXX PROPOSED STRUCTURE ID
XXXX PROPOSED PIPE ID

INLET
MANHOLE
CATCH BASIN
END SECTION

STORM SEWER
DITCH
SWALE
PIPE CULVERT WITH END SECTION

BOX CULVERT

PROFILE
SURVEYED
PLOTTED
CHANGES CHECKED
B.M.: NOTED
STRUCTURE NoPATNS CHKD
NOTE BOOK
NO.
DATE
BY

MATCHLINE STATION 126+00

MATCHLINE STATION 139+00

EX 36" RCP STORM SEWER
EX 30" RCP STORM SEWER
EX 24" RCP STORM SEWER
EX 24" RCP STORM SEWER INV. 893.33

RIM. 890.00
INV. 885.94
INV. 883.64
144.0'-30" DIA. RCP A @ 0.79%
INV. 887.58
INV. 884.78
RIM. 891.86
191.0'-30" DIA. RCP A @ 0.80%
INV. 889.31
INV. 886.30
RIM. 894.61
RIM. 894.96
INV. 891.15
19.0'-30" DIA. RCP A @ 0.79%
INV. 886.45
RIM. 896.93
INV. 893.29
RIM. 898.40
INV. 891.75
35.0'-18" DIA. RCP A @ 1.29%
INV. 892.20

905 900 895 890 885 880 875 870 865

4.49
884.74
885.52
885.92 885.52
886.36 885.97
886.90 886.42
886.74 886.86
887.10 887.31
887.57 887.75
888.10 888.20
888.55 888.65
888.96 889.09
889.41 889.54
889.87 889.99
890.32 890.43
890.87 890.98
891.56 891.67
892.29 892.36
892.98 893.05
893.69 893.74
894.38 894.43
895.06 895.12
895.76 895.81
896.39 896.51
897.14 897.20
897.86 897.89
898.59 898.58

126+00 127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00

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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 26 SHEETS | STA. 126+00 | TO STA. 139+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	378
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STATION 139+00

MATCHLINE STATION 152+00

℄ IL ROUTE 31

PROPOSED DRAINAGE LEGEND

XXXX PROPOSED STRUCTURE ID

XXXX PROPOSED PIPE ID

INLET

MANHOLE

CATCH BASIN

END SECTION

STORM SEWER

DITCH

SWALE

PIPE CULVERT WITH END SECTION

BOX CULVERT

PR ROW

EX ROW

PR TEMP EASEMENT

PR PERM EASEMENT

EX 21" RCP

EX 18" RCP

EX 12" RCP

140+00

145+00

150+00

54'-18" DIA. RCP A @ 1.29%

EX 21" RCP STORM SEWER

RIM. 899.11

RIM. 898.50

RIM. 900.40

RIM. 899.90

INV. 895.00

RIM. 897.00

INV. 894.83

INV. 892.90

RIM. 901.88

RIM. 901.57

INV. 896.00

EX 18" RCP STORM SEWER

108.0'-18" DIA. RCP A @ 1.30%

EX 21" RCP STORM SEWER

INV. 895.80

INV. 895.99

INV. 895.49

INV. 894.09

EX 18" RCP STORM SEWER

165'-18" DIA. RCP A @ 1.30%

INV. 897.50

INV. 897.15

24.0'-12" DIA. RCP A @ 1.00%

RIM. 904.11

RIM. 905.00

RIM. 903.96

INV. 898.74

INV. 899.00

52.0'-12" DIA. RCP A @ 1.00%

INV. 899.24

INV. 898.14

INV. 897.64

RIM. 904.72

198'-18" DIA. RCP A @ 1.30%

INV. 900.71

INV. 900.21

INV. 899.76

RIM. 907.00

RIM. 907.77

74'-12" DIA. RCP A @ 2.20%

INV. 907.77

RIM. 908.77

INV. 904.40

INV. 902.20

138'-18" DIA. RCP A @ 1.70%

RIM. 911.02

INV. 906.94

INV. 904.87

24'-18" DIA. RCP A @ 1.70%

RIM. 912.17

126'-18" DIA. RCP A @ 1.70%

INV. 907.01

INV. 908.18

EXISTING 12" RCP

RIM. 909.5

INV. 903.65

48'-12" DIA. RCP A @ 0.5%

INV. 903.41

INV. 901.00

RIM. 913.80

925 920 915 910 905 900 895 890 885

898.59 898.58 | 899.26 899.27 | 900.01 899.96 | 900.75 900.65 | 901.51 901.34 | 902.24 902.03 | 902.99 902.72 | 903.64 903.42 | 904.35 904.11 | 905.06 904.80 | 905.75 905.49 | 906.46 906.18 | 907.21 906.87 | 907.93 907.56 | 908.65 908.25 | 909.38 908.94 | 910.03 909.64 | 910.73 910.33 | 911.41 911.02 | 912.04 911.71 | 912.50 912.40 | 912.82 912.82 | 913.21 913.24 | 913.59 913.65 | 913.97 914.07 | 914.34 914.49 | 914.71 914.91

139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00

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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 26 SHEETS | STA. 139+00 | TO STA. 152+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	379
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
DATE
BY

MATCHLINE STATION 152 + 00

℄ IL ROUTE 31

MATCHLINE STATION 165 + 00

PR ROW
EX ROW
PR TEMP EASEMENT
155+00
160+00
BIRCH BOULEVARD
DRAKE DRIVE

S4-01 S4-02 S4-03 S4-04 S4-05 S4-06 S4-08 S4-09 S4-10 S4-11 S4-12 S4-13 S4-14 S4-15 S4-16 S4-17 S4-18 S4-19 S4-20 S4-21 S4-22 S4-23 S4-24 S4-25 S4-26 S4-27 S4-28 S4-30 S4-31 S4-32 S4-33 S4-34 S4-35 S4-36 S4-37 S4-38 S4-39

P4-01 P4-02 P4-03 P4-04 P4-05 P4-06 P4-07 P4-08 P4-09 P4-10 P4-11 P4-12 P4-13 P4-14 P4-15 P4-16 P4-17 P4-18 P4-19 P4-20 P4-21 P4-22 P4-23 P4-24 P4-25 P4-26 P4-27 P4-28 P4-30 P4-31 P4-32 P4-33 P4-34 P4-37 P4-39

PROPOSED DRAINAGE LEGEND

XXXX PROPOSED STRUCTURE ID
XXXX PROPOSED PIPE ID
INLET
MANHOLE
CATCH BASIN
END SECTION
STORM SEWER
DITCH
SWALE
PIPE CULVERT WITH END SECTION
BOX CULVERT

PROFILE
SURVEYED
PLOTTED
CHANNEL CHECKED
B.M.: NOTED
STRUCTURE NO
PATNS CHKD
NOTE BOOK
NO.

930 925 920 915 910 905 900 895 890

MATCHLINE STATION 152 + 00

INV. 911.71
P4-08
S4-04
RIM. 915.71
96'-18" DIA. RCP A @ 1.00%
S4-39
RIM. 914.62
INV. 909.51
P4-39
144'-18" DIA. @ 1.14%
INV. 908.44
INV. 906.80
210'-36" DIA. RCP A @ 0.10%
P4-04
INV. 901.41
S4-08
RIM. 914.64
INV. 912.34
P4-17
194'-18" DIA. RCP A @ 1.00%
INV. 909.63
P4-11
140'-36" DIA. RCP A @ 0.10%
INV. 901.62
S4-11
RIM. 917.75
RIM. 918.04
S4-12
INV. 913.31
P4-12
134'-36" DIA. RCP A @ 0.10%
INV. 901.79
30'-36" DIA. RCP A @ 0.10%
INV. 901.76
S4-17
RIM. 916.32
INV. 912.11
INV. 911.51
P4-19
INV. 901.93
RIM. 919.42
S4-19
INV. 914.47
123'-12" DIA. RCP A @ 1.00%
P4-23
INV. 911.60
S4-23
RIM. 920.30
RIM. 917.38
INV. 913.34
P4-25
S4-25
INV. 915.88
S4-26
RIM. 920.69
INV. 915.36
INV. 914.43
P4-26
47'-18" DIA. @ 2.00%
INV. 913.49
95'-18" DIA. RCP A @ 2.00%
S4-33
RIM. 919.80
INV. 914.04
INV. 913.79
INV. 913.07
P4-33
246'-18" DIA. RCP A @ 2.60%

MATCHLINE STATION 165 + 00

914.71 914.91 | 915.11 915.33 | 915.53 915.74 | 916.00 916.16 | 916.43 916.58 | 916.82 917.00 | 917.31 917.42 | 917.75 917.83 | 918.22 918.25 | 918.60 918.67 | 918.98 919.09 | 919.36 919.50 | 919.76 919.92 | 920.13 920.34 | 920.59 920.76 | 920.96 921.18 | 921.31 921.56 | 921.70 921.75 | 922.09 921.73 | 922.33 921.50 | 922.25 921.05 | 921.93 920.39 | 921.39 919.52 | 920.53 918.44 | 919.27 917.14 | 917.62 915.63 | 915.69 913.91

152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00 160+00 161+00 162+00 163+00 164+00 165+00

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NOTE BOOK
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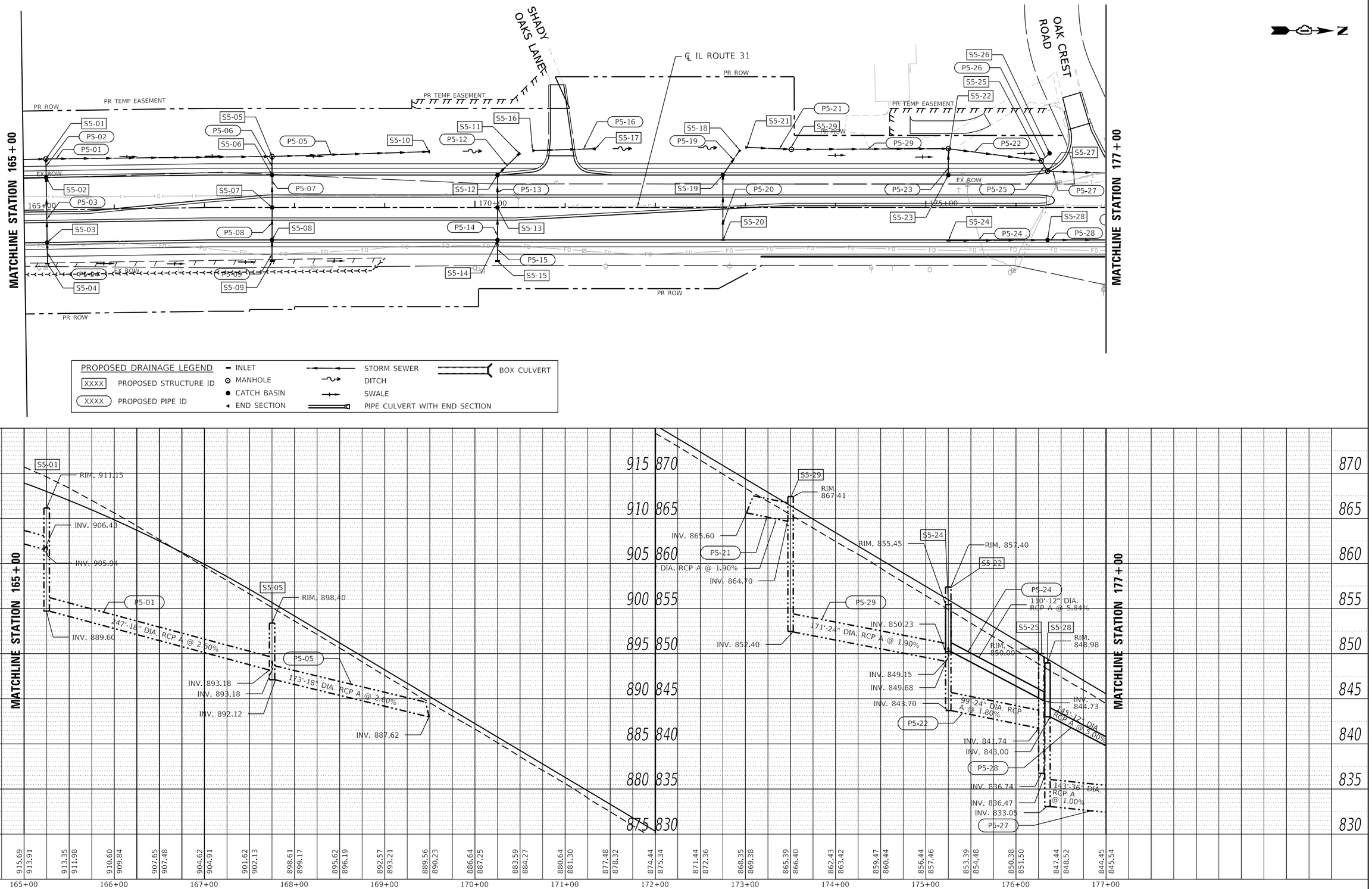
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 26 SHEETS | STA. 152+00 | TO STA. 165+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	380
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PROFILE — SURVEYED; PLOTTED; GRADES CHECKED; B.M.; NOTED; STRUCTURE NO; PATNS CHKD; NOTE BOOK; NO.; BY; DATE

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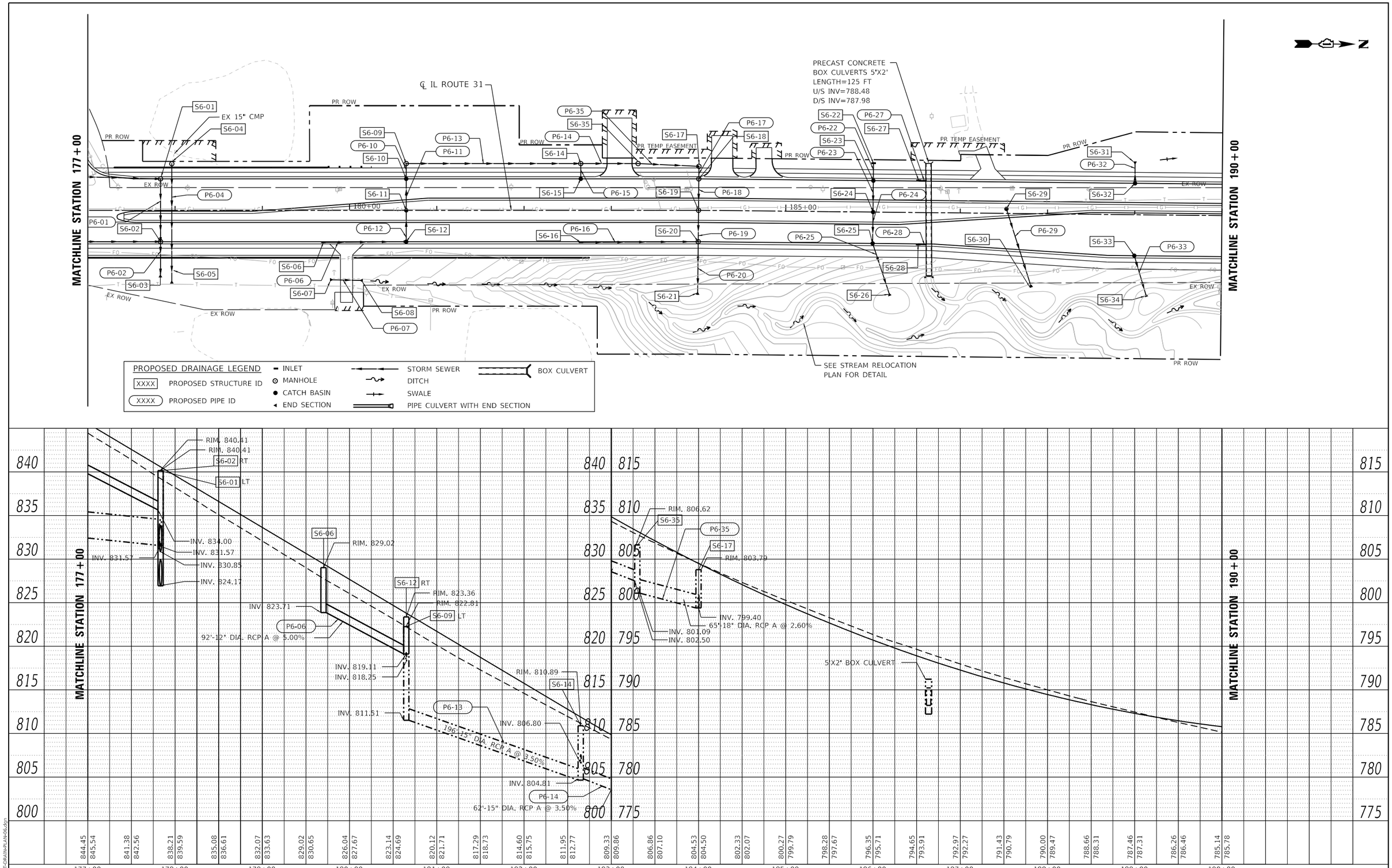
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 26 SHEETS | STA. 165+00 | TO STA. 177+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	381
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 26 SHEETS | STA. 178+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	382
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PLAN

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

NOTE BOOK
NO.

DATE
BY

MATCHLINE STATION 190+00

MATCHLINE STATION 203+00

PRECAST CONCRETE
BOX CULVERTS 6'X5'
LENGTH=128 FT
U/S INV=773.34
D/S INV=773.03
U/S FLOWLINE=774.34
D/S FLOWLINE=774.03

SEE RRW31-04 STRUCTURE
PLANS FOR PIPE DRAIN INVERT
REQUIREMENTS INTO THE PRECAST
CONCRETE BOX CULVERT

℄ IL ROUTE 31

PRECAST CONCRETE
BOX CULVERTS 6'X6'
LENGTH=132 FT
U/S INV=768.01
D/S INV=766.30
U/S FLOWLINE=769.01
D/S FLOWLINE=767.30

PR ROW
PR TEMP EASEMENT
EX ROW

S7-02 S7-03 S7-04 S7-05 S7-06 S7-07 S7-08 S7-09 S7-10 S7-11 S7-12 S7-13 S7-14 S7-15 S7-16 S7-17 S7-18 S7-19 S7-20 S7-21 S7-22 S7-23 S7-24 S7-25 S7-26 S7-27 S7-28 S7-29 S7-31 S7-32 S7-33 S7-34 S7-35 S7-36 S7-37 S7-38 S7-39 S7-40 S7-41 S7-42

P7-01 P7-03 P7-04 P7-05 P7-07 P7-08 P7-09 P7-11 P7-12 P7-14 P7-15 P7-18 P7-19 P7-20 P7-22 P7-25 P7-26 P7-27 P7-29 P7-32 P7-33 P7-35 P7-36 P7-37 P7-39 P7-41

190+00 195+00 200+00

BRIGHTON LANE

PRECAST CONCRETE
BOX CULVERTS 8X4
LENGTH=114 FT
U/S INV=775.75
D/S INV=774.50
U/S FLOWLINE=776.75
D/S FLOWLINE=775.50

SEE STREAM RELOCATION
PLAN FOR DETAIL

PRECAST CONCRETE
BOX CULVERTS 10'X5'
LENGTH=65 FT
U/S INV=767.70
D/S INV=767.00
U/S FLOWLINE=768.70
D/S FLOWLINE=768.00

775.66 774 773.86

PROPOSED DRAINAGE LEGEND

XXXX PROPOSED STRUCTURE ID
XXXX PROPOSED PIPE ID

INLET
MANHOLE
CATCH BASIN
END SECTION

STORM SEWER
DITCH
SWALE
PIPE CULVERT WITH END SECTION

BOX CULVERT

PROFILE

SURVEYED
PLOTTED
CHANGES CHECKED
B.M. NOTED
STRUCTURE NO/PATNS CHKD

NOTE BOOK
NO.

795 790 785 780 775 770 765 760 755

MATCHLINE STATION 190+00

MATCHLINE STATION 203+00

RIM. 783.75
INV. 779.75
S7-05
P7-05
47'-12" DIA. RCP A @ 2.49%
INV. 778.58
INV. 775.42
6'X5' BOX CULVERT

RIM. 783.31
S7-07
P7-39

RIM. 782.32
INV. 778.32
S7-09
P7-09
57'-12" DIA. RCP A @ 0.89%
INV. 777.81
INV. 776.02

RIM. 781.81
S7-11

RIM. 780.44
INV. 776.44
S7-14
P7-14
52'-12" DIA. RCP A @ 0.84%
INV. 776.01
INV. 774.59

RIM. 779.96
S7-18

P7-41
6'X6' BOX CULVERT

785.14 785.78 | 784.11 785.25 | 783.24 784.82 | 782.50 784.40 | 781.91 783.97 | 781.46 783.54 | 781.06 783.11 | 780.45 782.68 | 779.93 782.25 | 779.67 781.82 | 779.39 781.40 | 779.04 780.97 | 778.77 780.54 | 778.62 780.11 | 778.46 779.68 | 778.19 779.25 | 777.83 778.82 | 777.46 778.39 | 776.96 777.97 | 776.53 777.54 | 776.21 777.11 | 775.84 776.68 | 775.44 776.25 | 775.01 775.82 | 774.68 775.39 | 774.27 774.96 | 773.56 774.54

190+00 191+00 192+00 193+00 194+00 195+00 196+00 197+00 198+00 199+00 200+00 201+00 202+00 203+00

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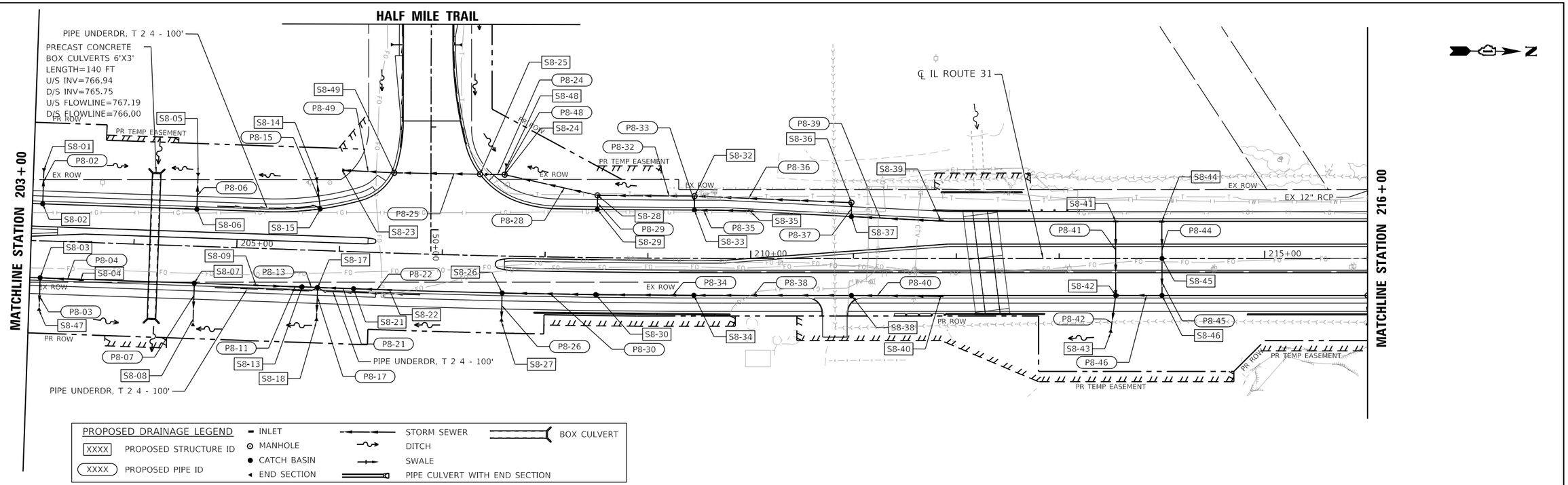
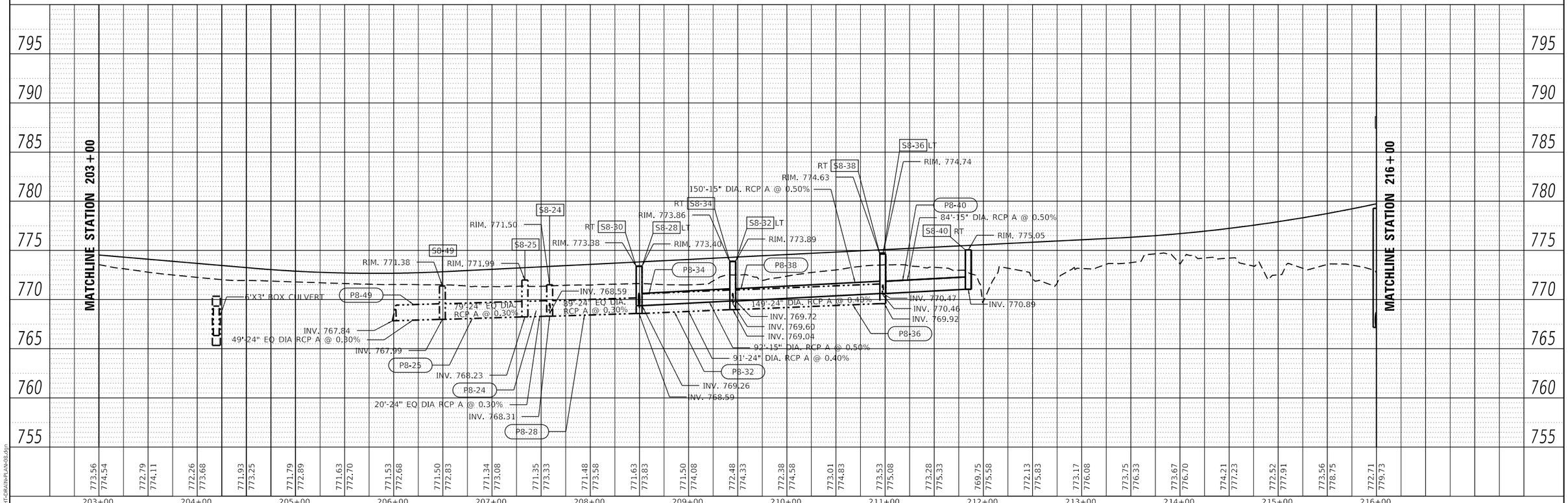
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 26 SHEETS | STA. 190+00 | TO STA. 203+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	383
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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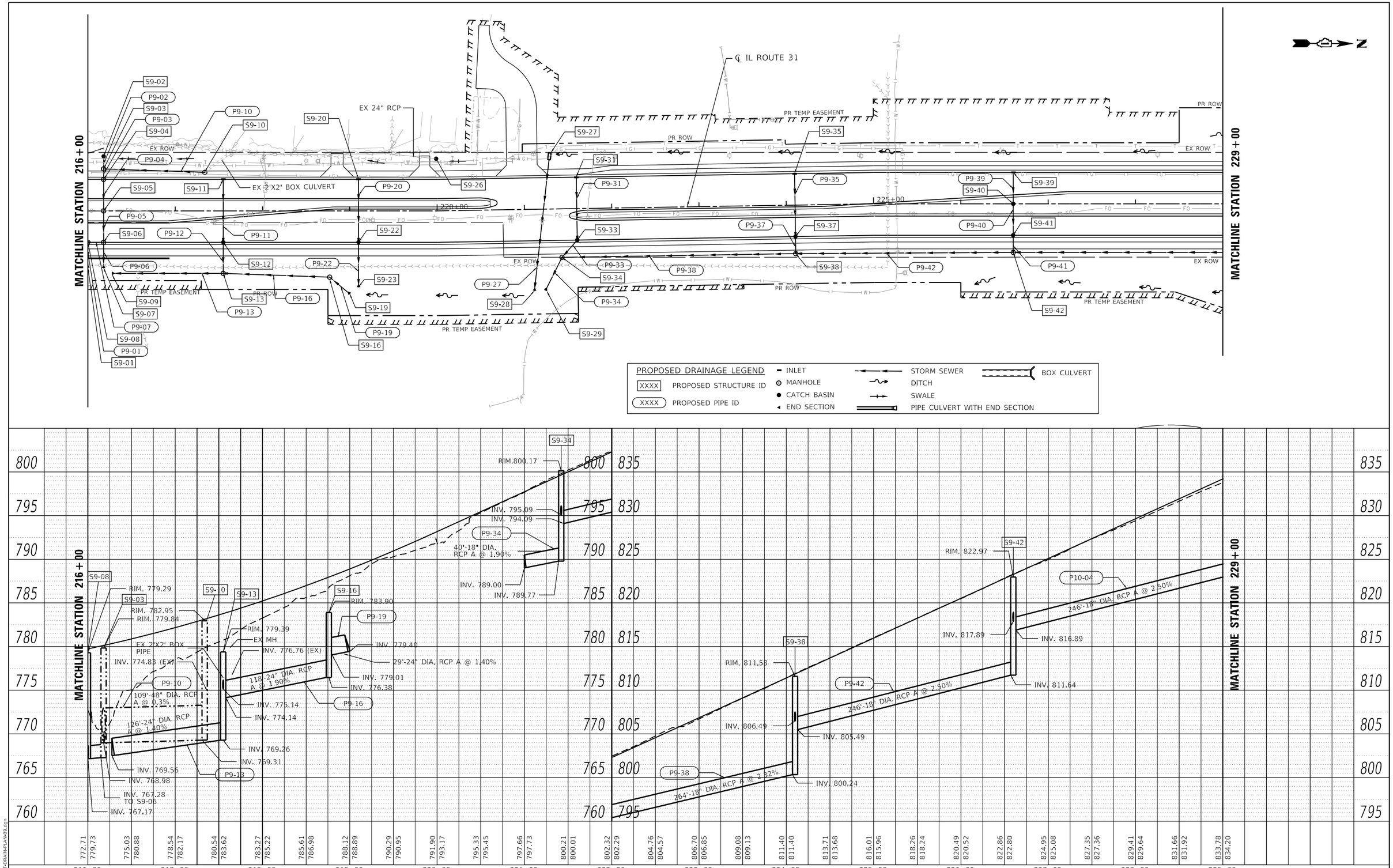
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 26 SHEETS | STA. 203+00 | TO STA. 216+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	384
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK NO.	
BY	DATE

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SURVEYED	
PLOTTED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATNS CHKD	
NOTE BOOK NO.	
BY	DATE

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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 26 SHEETS | STA. 216+00 TO STA. 229+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	385
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PRECAST CONCRETE
BOX CULVERTS 6'X6'
LENGTH=166 FT
U/S INV=826.50
D/S INV=822.94
U/S FLOWLINE=827.50
D/S FLOWLINE=823.94

℄ IL ROUTE 31

EX PVC PIPE TO REMAIN

MATCHLINE STATION 229+00

MATCHLINE STATION 242+00

AMES ROAD

S10-01 P10-01 S10-02 P10-02 S10-03 P10-03 S10-04 P10-04 S10-05 P10-06 S10-06 P10-07 S10-07 P10-08 S10-08 P10-09 S10-09 S10-11 P10-11 S10-12 P10-12 S10-13 P10-13 S10-14 P10-14 P10-16 S10-16 S10-33 P10-17 S10-17 P10-18 S10-18 P10-19 S10-19 P10-21 S10-21 P10-32 S10-32 S10-23 P10-23 S10-24 P10-24 S10-25 P10-25 S10-26 P10-26 S10-27 P10-27 S10-28 P10-28 S10-29 P10-29 S10-30 P10-30 P10-31 S10-31

PR ROW
EX ROW
PR TEMP EASEMENT
230+00
235+00
240+00

PROPOSED DRAINAGE LEGEND

- XXXX PROPOSED STRUCTURE ID
- XXXX PROPOSED PIPE ID
- INLET
- MANHOLE
- CATCH BASIN
- END SECTION
- STORM SEWER
- DITCH
- SWALE
- PIPE CULVERT WITH END SECTION
- BOX CULVERT

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

S10-04
RIM. 834.14
INV. 829.28
6'X6' BOX CULVERT
INV. 823.14

S10-09
RIM. 844.87
P10-14
246'-18" DIA. RCP A @ 2.20%
INV. 840.40
INV. 839.80

62'-18" DIA. RCP A @ 0.61%
RIM. 858.88
S10-16
P10-16
RIM. 854.62
S10-14
854.97
P10-19
246'-18" DIA. RCP A @ 2.20%
INV. 850.66
INV. 850.20
INV. 845.81
INV. 855.35

S10-19
RIM. 861.21
RIM. 860.55
P10-21
197'-18" DIA. RCP A @ 0.72%
INV. 856.60
INV. 855.61

S10-21
RIM. 861.62
P10-22
104'-18" DIA. RCP A @ 0.72%
INV. 857.52
INV. 856.77

S10-22
RIM. 862.39
INV. 858.00
INV. 859.12
166'-12" DIA. RCP A @ 0.60%

S10-23
RIM. 862.03
P10-23
INV. 858.08
INV. 857.41
66'-18" DIA. RCP A @ 0.50%

S10-27
RIM. 861.38
S10-30
RIM. 861.68
P10-27
INV. 857.73
INV. 857.08
INV. 858.12

S10-31

860 855 850 845 840 835 830 825 820
870 865 860 855 850 845 840 835 830

833.78 834.20 | 835.98 836.48 | 838.60 836.76 | 840.81 841.03 | 843.23 843.31 | 845.63 845.59 | 847.89 847.87 | 850.29 850.04 | 852.59 852.05 | 854.99 853.90 | 856.83 855.59 | 858.57 857.13 | 859.96 858.51 | 861.01 859.73 | 861.97 860.79 | 862.59 861.69 | 862.88 862.43 | 863.03 863.02 | 863.14 863.45 | 863.23 863.72 | 863.32 863.83 | 863.38 863.78 | 863.30 863.58 | 863.24 863.33 | 863.05 863.08 | 862.80 862.82 | 862.55 862.57

229+00 230+00 231+00 232+00 233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00

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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 26 SHEETS | STA. 229+00 | TO STA. 242+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	386
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PLAN

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

NOTE BOOK
NO.

DATE
BY

MATCHLINE STATION 242+00

MATCHLINE STATION 255+00

EDGEWOOD ROAD

℄ IL ROUTE 31

PIPE UNDERDR T 2 4 - 100'

PR ROW

EX ROW

PR TEMP EASEMENT

245+00

250+00

P11-01 P11-02 P11-03 P11-04 P11-05 P11-06 P11-07 P11-09 P11-10 P11-11 P11-12 P11-14 P11-15 P11-16 P11-17 P11-18 P11-19 P11-20 P11-21 P11-22 P11-23 P11-24 P11-25 P11-26 P11-27 P11-28 P11-29 P11-30 P11-31 P11-32 P11-33 P11-36 P11-37 P11-38 P11-40 P11-41 P11-42 P11-43 P11-44 P11-45 P11-46 P11-47 P11-48 P11-49 P11-50 P11-51 P11-52 P11-53 P11-54

S11-01 S11-02 S11-03 S11-04 S11-05 S11-06 S11-07 S11-08 S11-09 S11-10 S11-11 S11-12 S11-13 S11-14 S11-15 S11-16 S11-17 S11-18 S11-19 S11-20 S11-21 S11-22 S11-23 S11-24 S11-25 S11-26 S11-27 S11-28 S11-29 S11-30 S11-31 S11-32 S11-33 S11-34 S11-35 S11-36 S11-37 S11-38 S11-39 S11-40 S11-41 S11-42 S11-43 S11-44 S11-45 S11-46 S11-47 S11-48 S11-49 S11-50 S11-51 S11-52 S11-53 S11-54

PROPOSED DRAINAGE LEGEND

XXXX PROPOSED STRUCTURE ID

XXXX PROPOSED PIPE ID

INLET
MANHOLE
CATCH BASIN
END SECTION

STORM SEWER
DITCH
SWALE
PIPE CULVERT WITH END SECTION

BOX CULVERT

PROFILE

SURVEYED
PLOTTED
CHANGES CHECKED
B.M.: NOTED
STRUCTURE NO/STA'NS CHKD

NOTE BOOK
NO.

DATE
BY

875 870 865 860 855 850 845 840 835

MATCHLINE STATION 242+00

MATCHLINE STATION 255+00

S11-01 RIM. 863.10 P11-01 LT

S11-06 RIM. 860.85

S11-12 RIM. 859.64 RIM. 860.24

S11-18 RIM. 859.50 RIM. 859.57

S11-23 RIM. 859.78

S11-32

S11-33 P11-53

S11-38 RIM. 860.03

S11-43 RIM. 860.61

S11-49 RIM. 861.38

S11-50 RIM. 858.93

P10-30 160'-18" DIA. RCP A @ 0.50% INV. 857.73 17'-18" DIA. RCP A @ 0.53% INV. 857.81

P10-31 62'-12" DIA. RCP A @ 0.50%

P11-06 112'-18" DIA. RCP A @ 0.50% INV. 856.40 INV. 856.26 INV. 856.19 INV. 855.69

P11-12 123'-18" DIA. RCP A @ 0.45% INV. 855.72 INV. 855.14

P11-18 65'-18" DIA. RCP A @ 0.45% INV. 854.85

P11-23 58'-18" DIA. RCP A @ 0.50% INV. 855.09

P11-32 INV. 854.56

P11-38 42'-18" DIA. RCP A @ 0.43% INV. 854.38 INV. 854.30

P11-43 110'-18" DIA. RCP A @ 0.90% INV. 854.55 INV. 855.45 INV. 854.55 INV. 856.48 INV. 855.54

P11-49 151'-18" DIA. RCP A @ 0.90% INV. 856.89 INV. 857.38

S11-50 INV. 854.97 INV. 852.71

862.55 862.57 | 862.25 862.32 | 861.94 862.07 | 861.62 861.81 | 861.29 861.56 | 860.99 861.31 | 860.73 861.06 | 860.46 860.80 | 860.18 860.58 | 859.82 860.50 | 859.55 860.58 | 859.39 860.80 | 859.47 861.05 | 859.76 861.30 | 860.15 861.55 | 860.66 861.80 | 861.26 862.05 | 861.88 862.30 | 862.32 862.55 | 862.62 862.72 | 862.64 862.74 | 862.36 862.60 | 862.18 862.30 | 861.78 861.85 | 861.02 861.24 | 860.17 860.47 | 859.20 859.56

242+00 243+00 244+00 245+00 246+00 247+00 248+00 249+00 250+00 251+00 252+00 253+00 254+00 255+00

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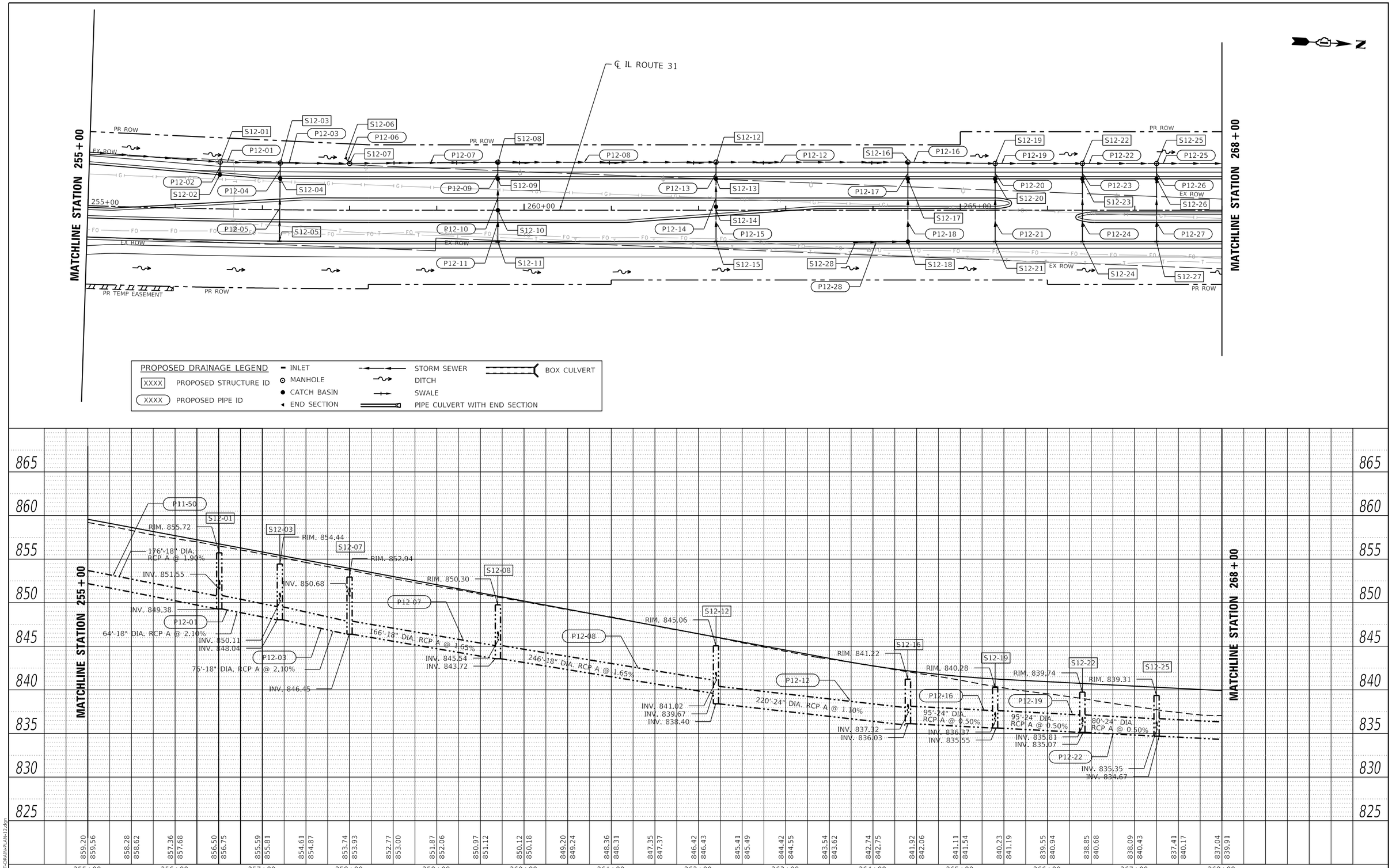
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 26 SHEETS | STA. 242+00 | TO STA. 255+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	387
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

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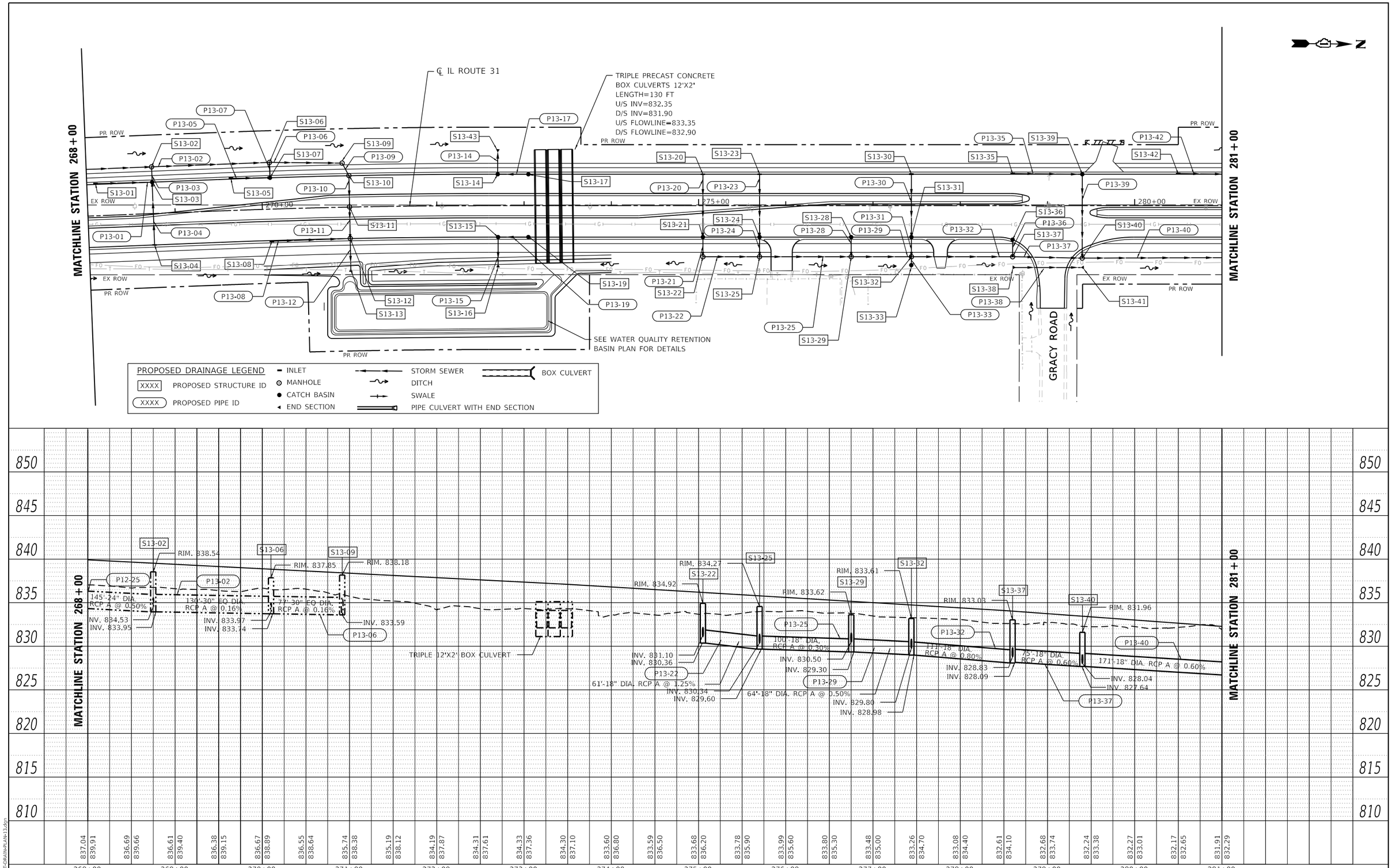
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 12 OF 26 SHEETS | STA. 255+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	388
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CHKD
BY
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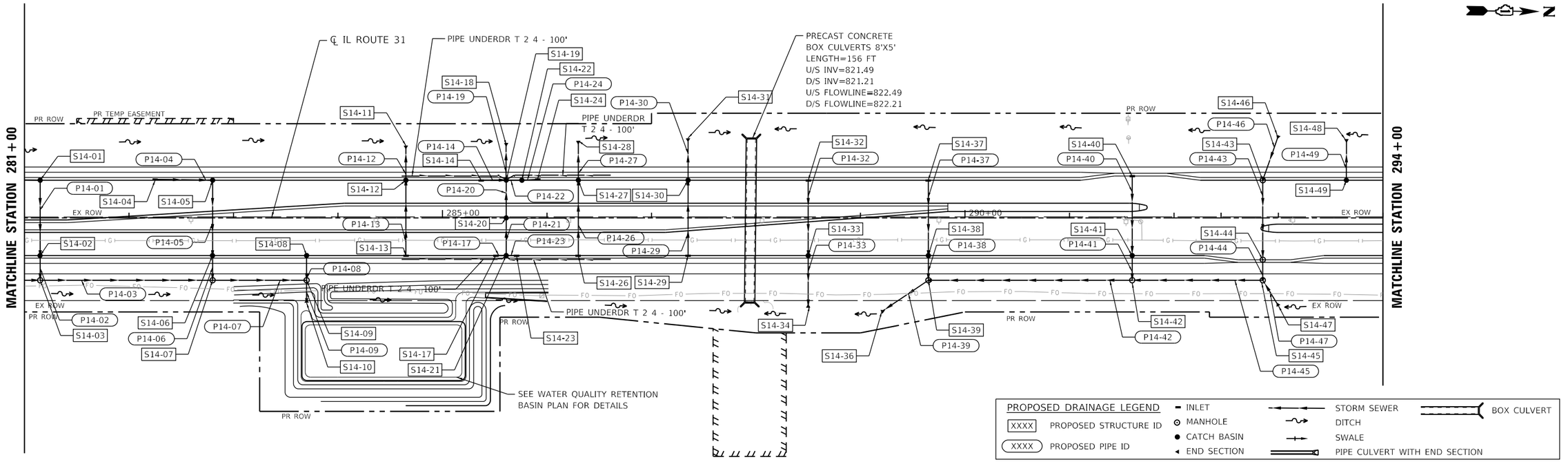
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

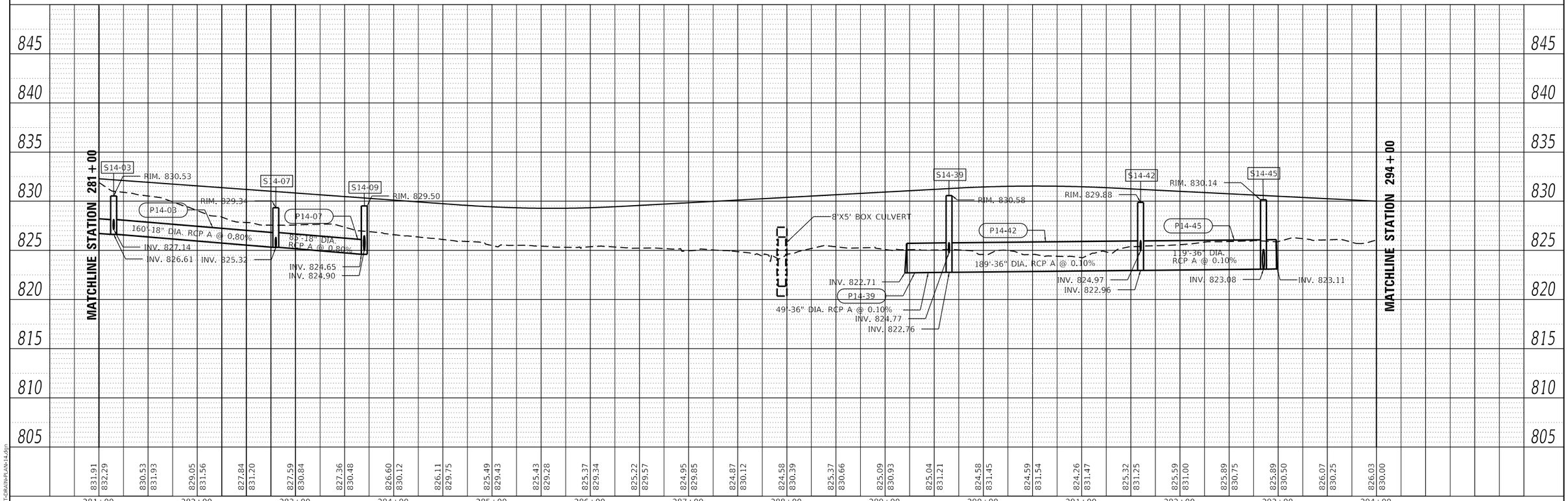
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 13 OF 26 SHEETS | STA. 286+00 TO STA. 281+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	389
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		





PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 14 OF 26 SHEETS | STA. 281+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	390
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PRECAST CONCRETE
BOX CULVERTS 12'X2'
LENGTH=133 FT
U/S INV=819.42
D/S INV=819.32
U/S FLOWLINE=820
D/S FLOWLINE=819.90

MATCHLINE STATION 294+00

MATCHLINE STATION 306+00

℄ IL ROUTE 31

PR TEMP EASEMENT

PR ROW

EX ROW

295+00

300+00

305+00

PIPE UNDERDR
T 2 4 - 54'

SEE WATER QUALITY RETENTION
BASIN PLAN FOR DETAILS

P15-01 P15-02 P15-03 P15-04 P15-05 P15-06 P15-07 P15-08 P15-09 P15-10 P15-11 P15-12 P15-13 P15-14 P15-15 P15-16 P15-17 P15-18 P15-19 P15-20 P15-21 P15-22 P15-23 P15-24 P15-25 P15-26 P15-27 P15-28 P15-29 P15-30 P15-31 P15-32 P15-33 P15-34 P15-35 P15-36 P15-37 P15-38 P15-39 P15-40 P15-41 P15-42 P15-43 P15-44 P15-45 P15-46 P15-47 P15-48 P15-49

S15-01 S15-02 S15-03 S15-04 S15-05 S15-06 S15-07 S15-08 S15-09 S15-10 S15-11 S15-12 S15-13 S15-14 S15-15 S15-16 S15-17 S15-18 S15-19 S15-20 S15-21 S15-22 S15-23 S15-24 S15-25 S15-26 S15-27 S15-28 S15-29 S15-30 S15-31 S15-32 S15-33 S15-34 S15-35 S15-36 S15-37 S15-38 S15-39 S15-40 S15-41 S15-42 S15-43 S15-44 S15-45 S15-46 S15-47 S15-48 S1-49

PROPOSED DRAINAGE LEGEND

XXXX	PROPOSED STRUCTURE ID	INLET	STORM SEWER
XXXX	PROPOSED PIPE ID	MANHOLE	DITCH
		CATCH BASIN	SWALE
		END SECTION	PIPE CULVERT WITH END SECTION
			BOX CULVERT

PLAN
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ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
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BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.: NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

840 835 830 825 820 815 810 805 800

MATCHLINE STATION 294+00

MATCHLINE STATION 306+00

RIM. 829.41
S15-13
INV. 823.46

RIM. 828.05
S15-16
INV. 822.98
INV. 822.84

P15-13
93'-18" DIA.
RCP A @ 0.60%

P15-16
158'-18" DIA. RCP A @ 0.30%

RIM. 826.38
S15-20
INV. 822.37

RIM. 826.2
S15-24
INV. 821.82

P15-20
113'-18" DIA.
RCP A @ 0.49%

RIM. 824.40
S15-47
S15-42

RIM. 824.19
INV. 819.00

12'X2' BOX CULVERT
P15-42
31'-30" EQ DIA. RCP A @ 0.10%
INV. 819.42
INV. 819.03
P15-47
37'-30" EQ DIA. RCP A @ 0.10%
INV. 819.08

826.03 830.00 | 826.33 829.75 | 827.01 829.50 | 827.28 829.25 | 827.62 829.00 | 828.39 828.75 | 828.69 828.50 | 828.99 828.25 | 828.54 828.00 | 827.91 827.75 | 826.99 827.50 | 826.77 827.25 | 826.77 827.00 | 826.63 826.75 | 826.28 826.50 | 825.86 826.25 | 825.50 826.00 | 825.17 825.75 | 824.85 825.50 | 824.56 825.25 | 824.34 825.00 | 824.16 824.75 | 824.11 824.50 824.53 | 824.17 824.25 824.45 | 824.32 824.05 824.53

294+00 295+00 296+00 297+00 298+00 299+00 300+00 301+00 302+00 303+00 304+00 305+00 306+00

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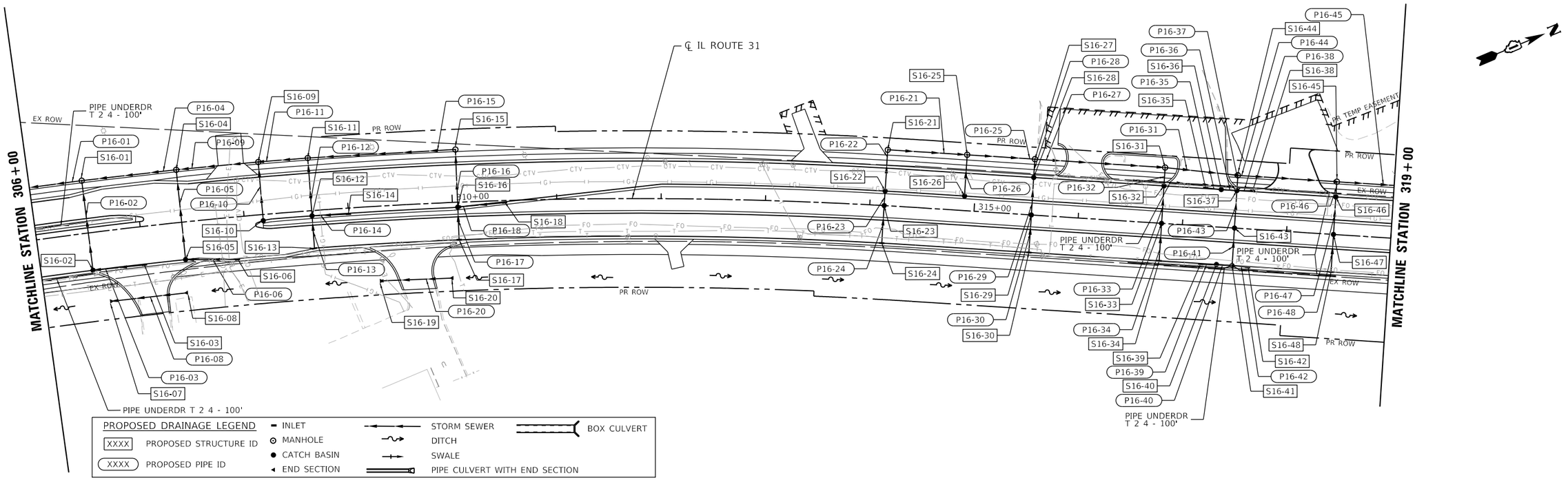
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED - REVBY4	

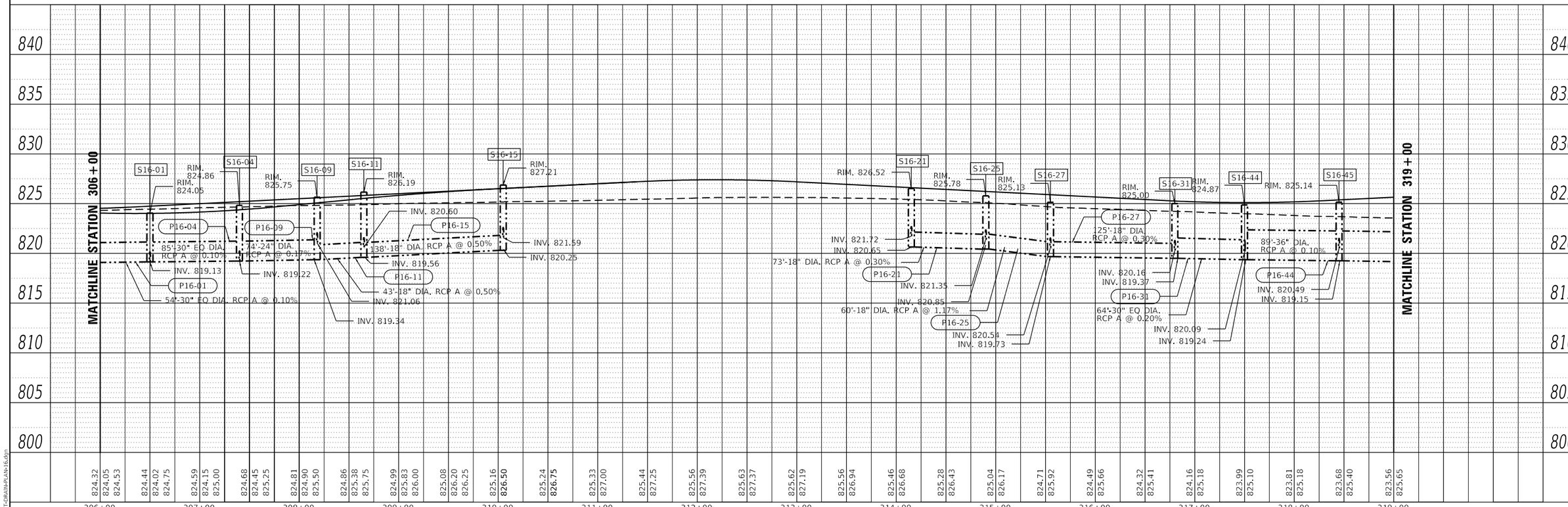
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 15 OF 26 SHEETS | STA. 294+00 | TO STA. 306+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	391
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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PROFILE — SURVEYED; PLOTTED; ALIGNMENT CHECKED; CHANNEL CHECKED; B.M.; NOTED; STRUCTURE NoSTATNS CHKD; NOTE BOOK; NO.; BY; DATE

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PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED -	
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 16 OF 26 SHEETS | STA. 306+00 | TO STA. 319+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	392
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PRECAST CONCRETE
BOX CULVERTS 6'X3'
LENGTH=133 FT
U/S INV=819.45
D/S INV=818.75
U/S FLOWLINE=819.70
D/S FLOWLINE=819.00

MATCHLINE STATION 319+00

MATCHLINE STATION 333+00

℄ IL ROUTE 31

HI-POINT ROAD

PIPE UNDERDR T 2 4 - 100'

PR ROW

EX ROW

PR TEMP EASEMENT

EX FLOW

PARKWAY

VETERANS

320+00

325+00

330+00

PROPOSED DRAINAGE LEGEND

XXXX PROPOSED STRUCTURE ID	INLET	STORM SEWER	BOX CULVERT
XXXX PROPOSED PIPE ID	MANHOLE	DITCH	
	CATCH BASIN	SWALE	
	END SECTION	PIPE CULVERT WITH END SECTION	

PROFILE — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO.

DATE / BY

116'-36" DIA. RCP A @ 0.10%
INV. 819.03
30'-36" DIA. RCP A @ 0.10%
INV. 819.00

123'-36" EQ DIA. RCP A @ 0.10%
INV. 819.03
27'-45" X29" ELLIP RCP A @ 0.10%
INV. 819.00
6'x3' BOX CULVERT

78'-36" EQ DIA. RCP A @ 0.10%
INV. 820.18
INV. 819.15
INV. 819.23

198'-36" EQ DIA. RCP A @ 0.10%
INV. 819.70
INV. 820.03
INV. 819.29
63'-36" EQ DIA. RCP A @ 0.10%

268'-36" EQ DIA. RCP A @ 0.10%
INV. 821.26
INV. 819.48

34'-36" EQ DIA. RCP A @ 0.10%
INV. 821.01
INV. 819.76
INV. 820.49
INV. 819.79

104'-24" EQ DIA. RCP A @ 0.10%
INV. 819.88
60'-24" EQ DIA. RCP A @ 0.10%
INV. 819.95
29'-24" EQ DIA. RCP A @ 0.10%
INV. 819.99

105'-24" EQ DIA. RCP A @ 0.10%
INV. 820.10
INV. 820.98
INV. 820.46

RIM. 825.67
RIM. 824.94
RIM. 824.34
RIM. 824.69
RIM. 824.23
RIM. 825.24
RIM. 825.49
RIM. 825.28
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RIM. 823.82
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RIM. 825.00
RIM. 824.90

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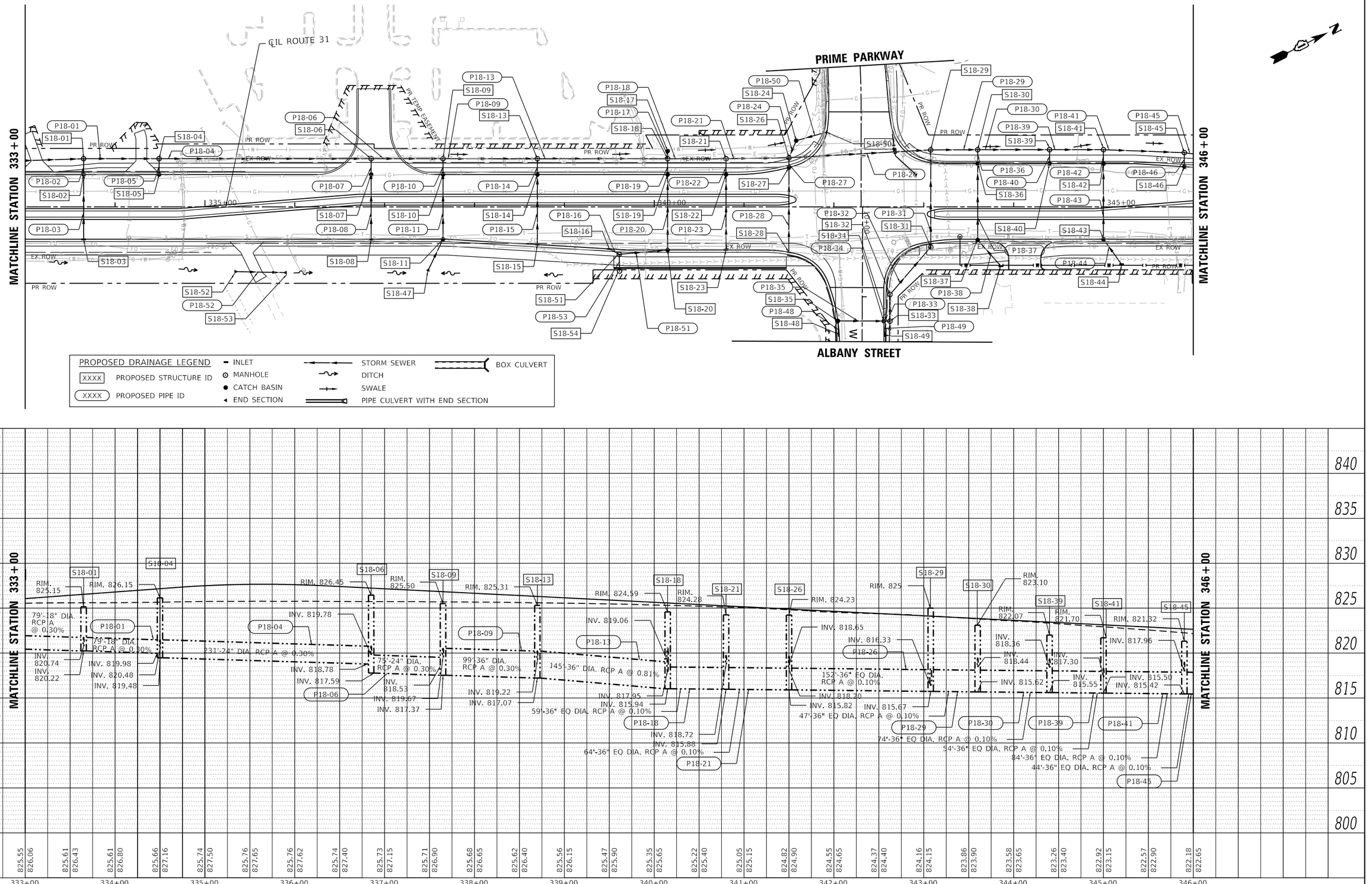

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SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
PLOTTED
CHANGES CHECKED
B.M.: NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
DATE
BY

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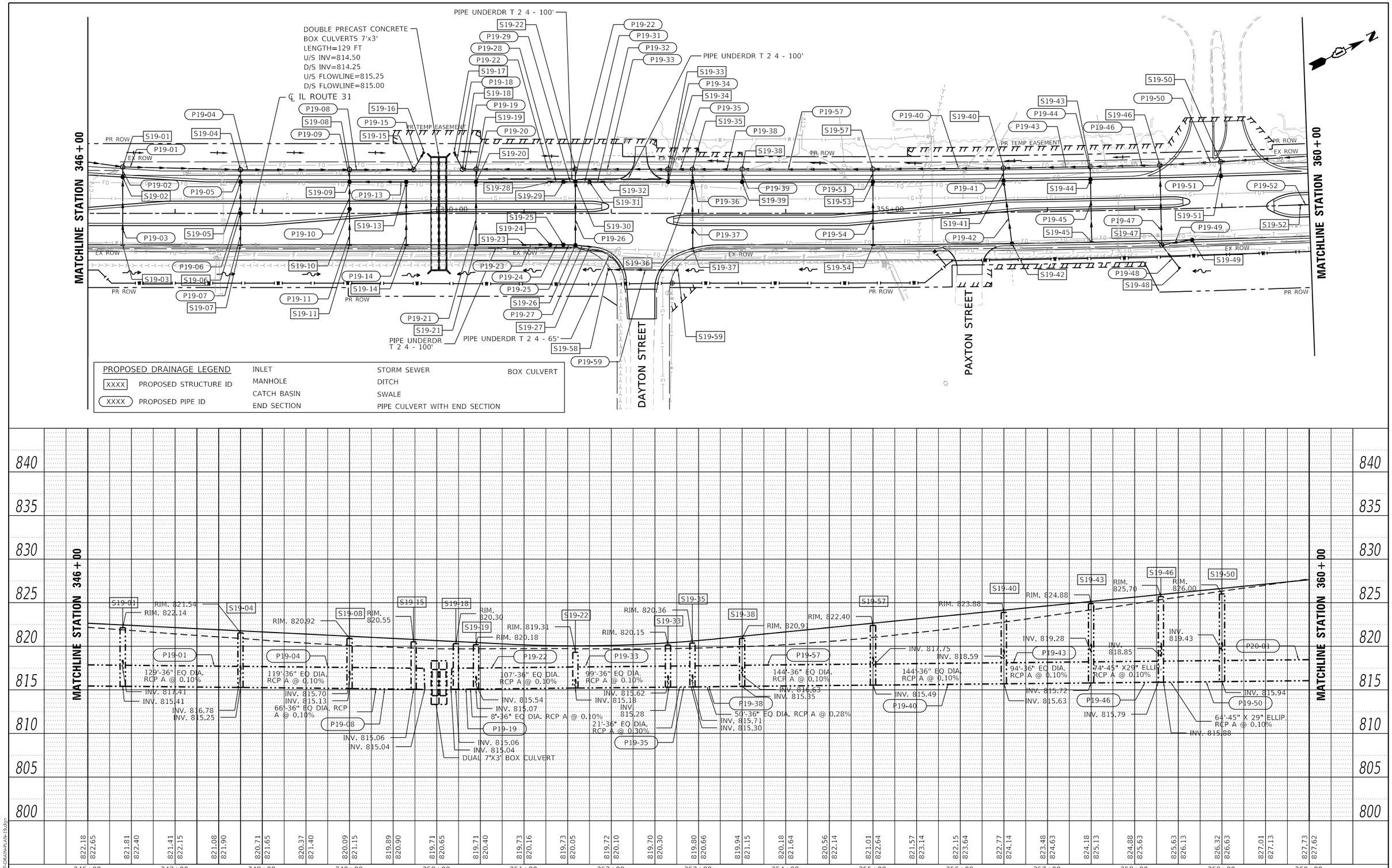
	DRAWN - HRG	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 18 OF 26 SHEETS | STA. 333+00 | TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	394
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED - REVBY4	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 19 OF 26 SHEETS | STA. 346+00 TO STA. 360+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	395

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

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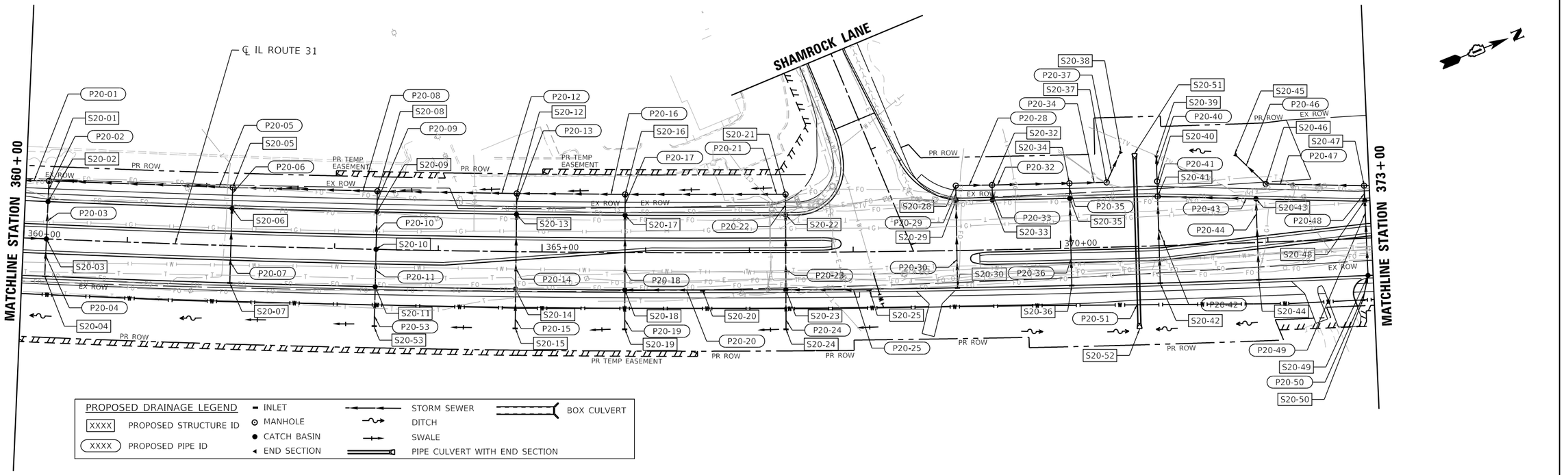
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



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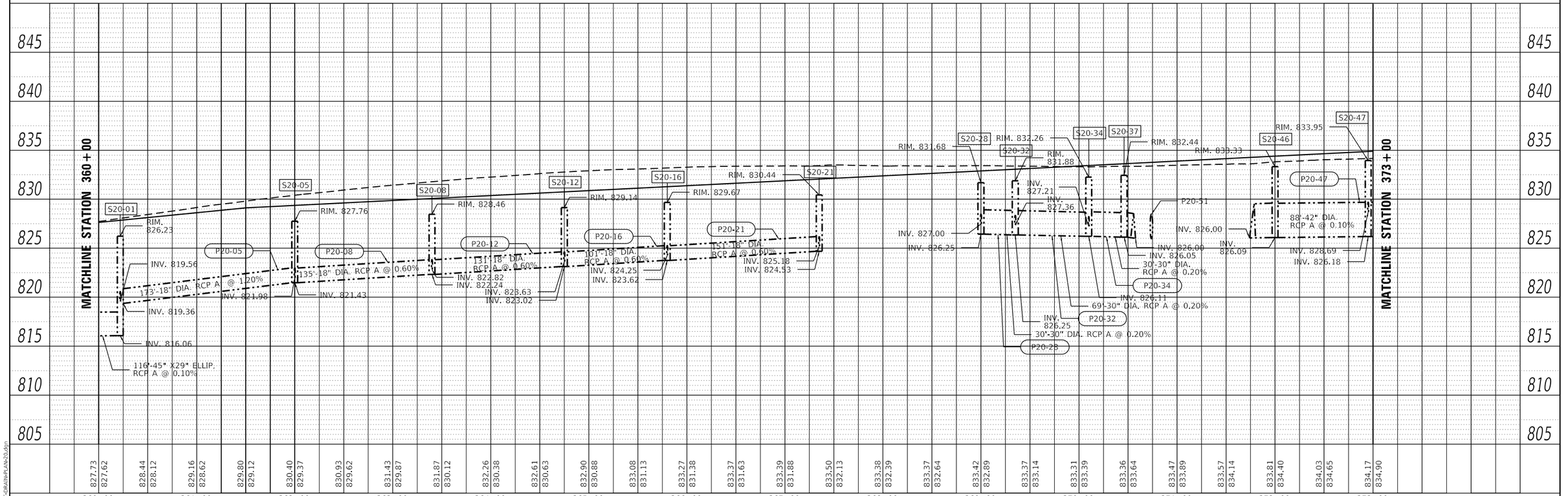
PLOTTED
ALIGNMENT CHECKED
R.W. NOTED
STRUCTURE NO
PATHS CHKD
NOTE BOOK
NO.
BY
DATE



PROPOSED DRAINAGE LEGEND

- XXXX PROPOSED STRUCTURE ID
- XXXX PROPOSED PIPE ID
- INLET
- MANHOLE
- CATCH BASIN
- END SECTION
- STORM SEWER
- DITCH
- SWALE
- PIPE CULVERT WITH END SECTION
- BOX CULVERT

MODEL: Default
FILE NAME: C:\SHT-DRAIN-PLAN-20.dgn

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USER NAME = mzuzzio	DESIGNED - DMS	REVISED - REVBY1	
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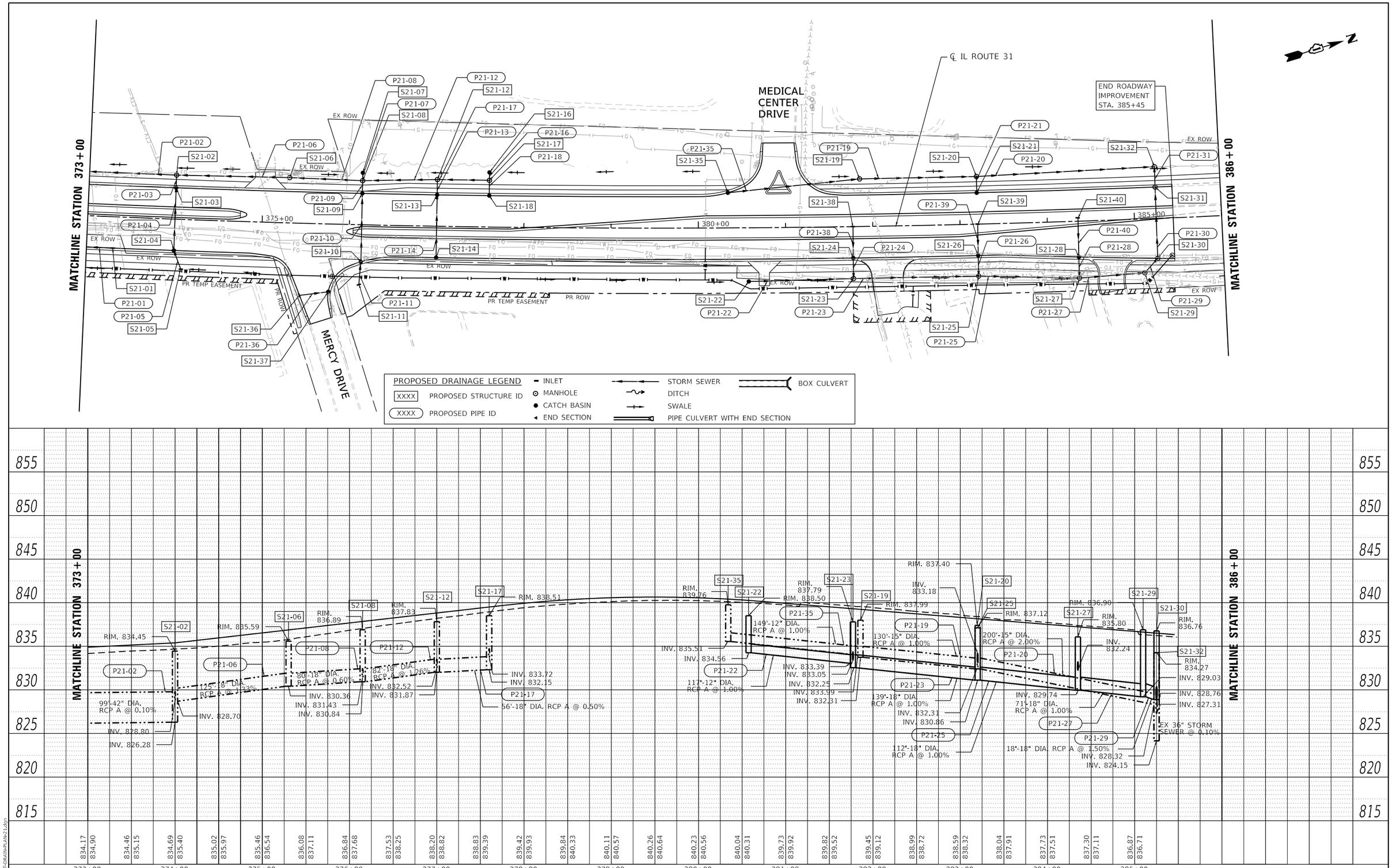
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 20 OF 26 SHEETS | STA. 360+00 | TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	396
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

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USER NAME = mzuzzio	DESIGNED - DMS	REVISED - REVBY1	
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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 21 OF 26 SHEETS | STA. 373+00 TO STA. 386+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	397
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

MATCHLINE STATION 386+00

BULL VALLEY ROAD

℄ IL ROUTE 31

EX ROW

EX 36" RCP

390+00

395+00

P22-01

S22-01

S22-02

END MULTI-USE PATH
STA. 391+00

P22-02

S22-03

PR ROW

END SIDEWALK
STA. 397+00

END IMPROVEMENT
STA. 397+00
COORDINATE WITH
CONTRACT 2

MATCHLINE STATION 397+00

N

PROPOSED DRAINAGE LEGEND

XXXX PROPOSED STRUCTURE ID

XXXX PROPOSED PIPE ID

INLET
MANHOLE
CATCH BASIN
END SECTION

STORM SEWER
DITCH
SWALE
PIPE CULVERT WITH END SECTION

BOX CULVERT

PROFILE
SURVEYED
PLOTTED
CHANGES CHECKED
B.M.: NOTED
STRUCTURE NoPATNS CHKD
NOTE BOOK
NO.
BY
DATE

MATCHLINE STATION 386+00

MATCHLINE STATION 397+00

840
835
830
825
820
815
810
805
800

392+00	393+00	394+00	395+00	396+00	397+00
830.31 / 830.31	829.81 / 829.87	829.36 / 829.43	828.71 / 828.99	828.16 / 828.55	827.65 / 828.10
827.13 / 827.66	826.60 / 827.22	826.08 / 826.78	825.57 / 826.34	825.16 / 825.90	

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USER NAME = mzuzzio		DESIGNED - DMS		REVISED - REVBY1	
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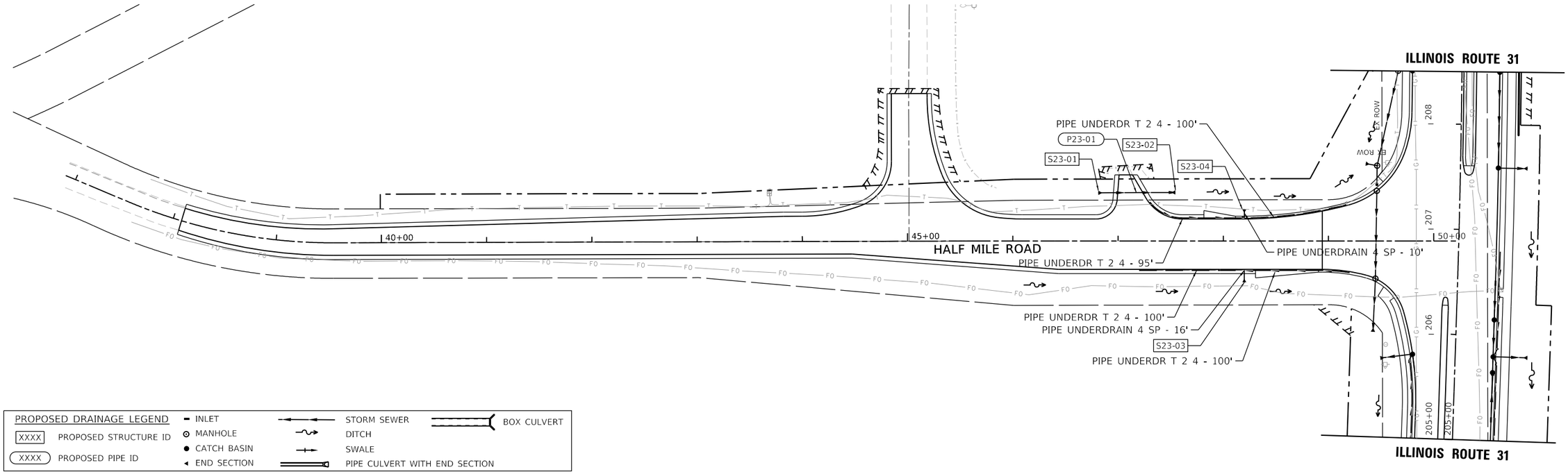
PLOT SCALE = 100.0000 ' / in.		CHECKED - TEH		REVISED - REVBY3	
PLOT DATE = 10/4/2024		DATE - 04/30/2024		REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 22 OF 26 SHEETS | STA. 386+00 | TO STA. 397+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	398
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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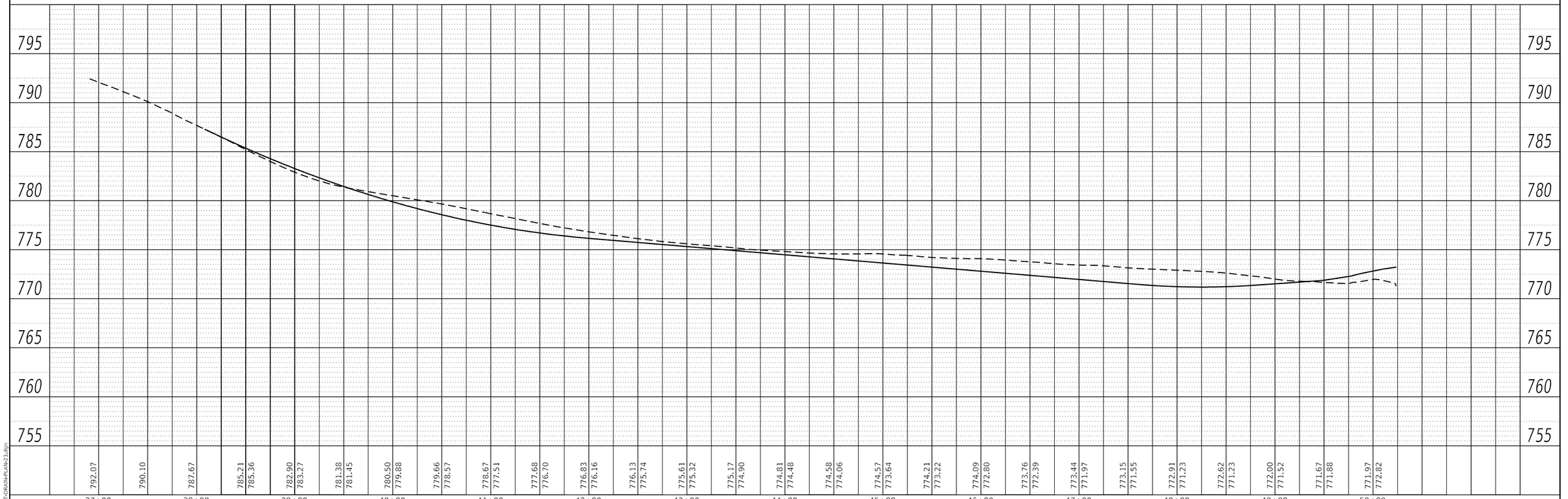
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



PROFILE
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PLOTTED
CHANNEL CHECKED
B.M.: NOTED
STRUCTURE NoSTATNS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: Default
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USER NAME = mzuzzio	DESIGNED - DMS	REVISED - REVBY1
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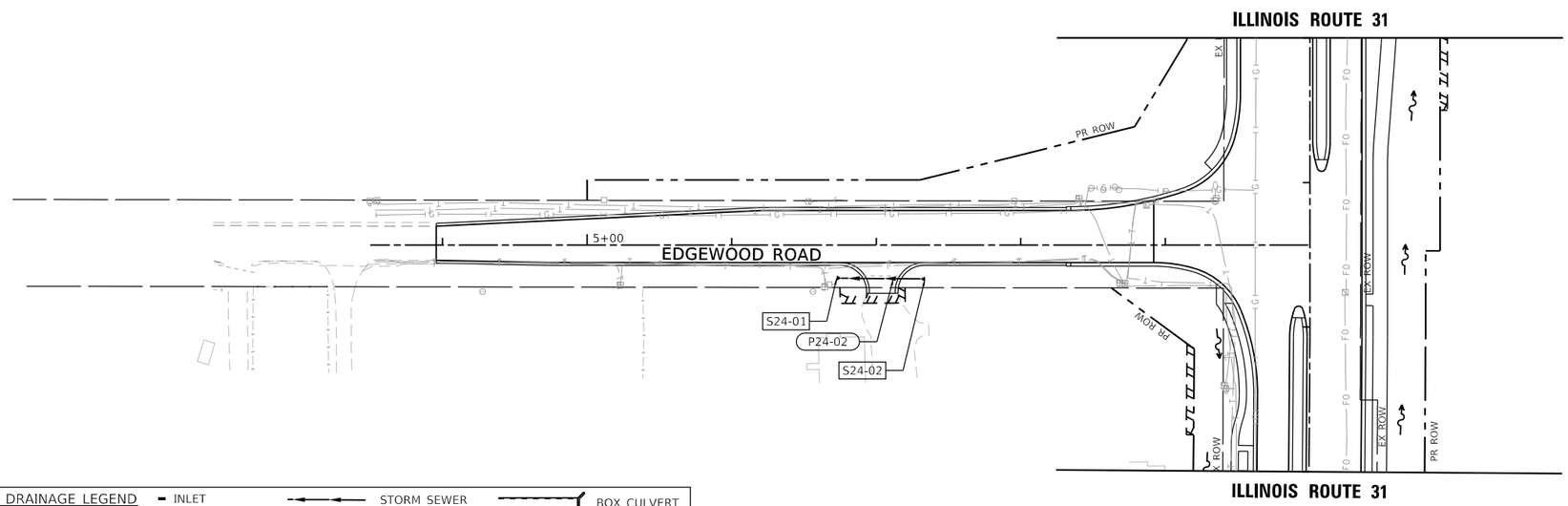
PLOT SCALE = 100.0000 ' / in.	CHECKED - TEH	REVISED - REVBY3
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED - REVBY4

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
HALF MILE TRAIL

SCALE: 1"=50' | SHEET 23 OF 26 SHEETS | STA. 37+00 | TO STA. 48+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	399
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



N

PROPOSED DRAINAGE LEGEND

- XXXX PROPOSED STRUCTURE ID
- XXXX PROPOSED PIPE ID
- INLET
- MANHOLE
- CATCH BASIN
- END SECTION
- STORM SEWER
- DITCH
- SWALE
- PIPE CULVERT WITH END SECTION
- BOX CULVERT

PLAN
SURVEYED
PLOTTED
AUTOMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE
NOTE BOOK
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PROFILE
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PLOTTED
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STRUCTURE NO/ATNS CHKD
BY
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NOTE BOOK
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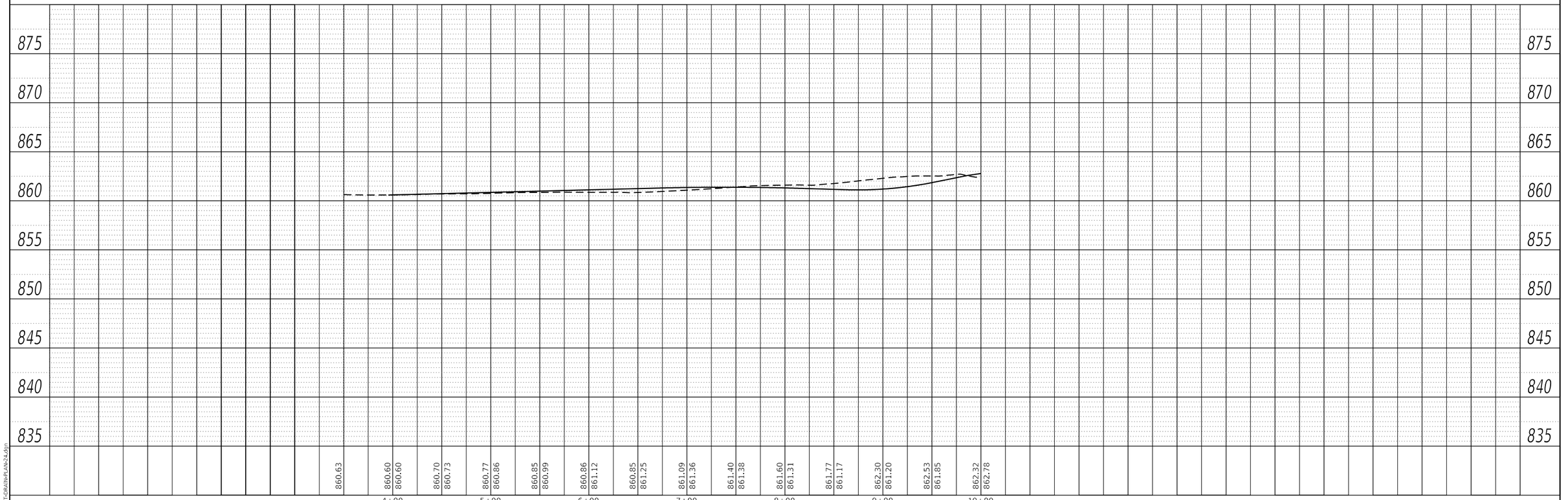

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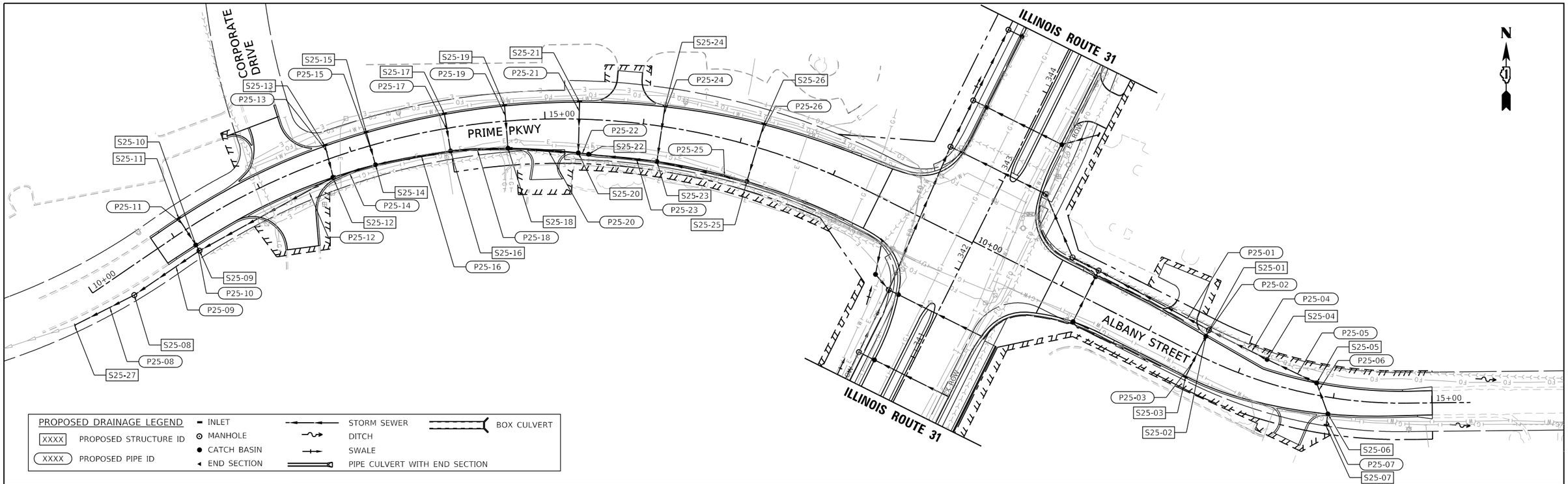
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

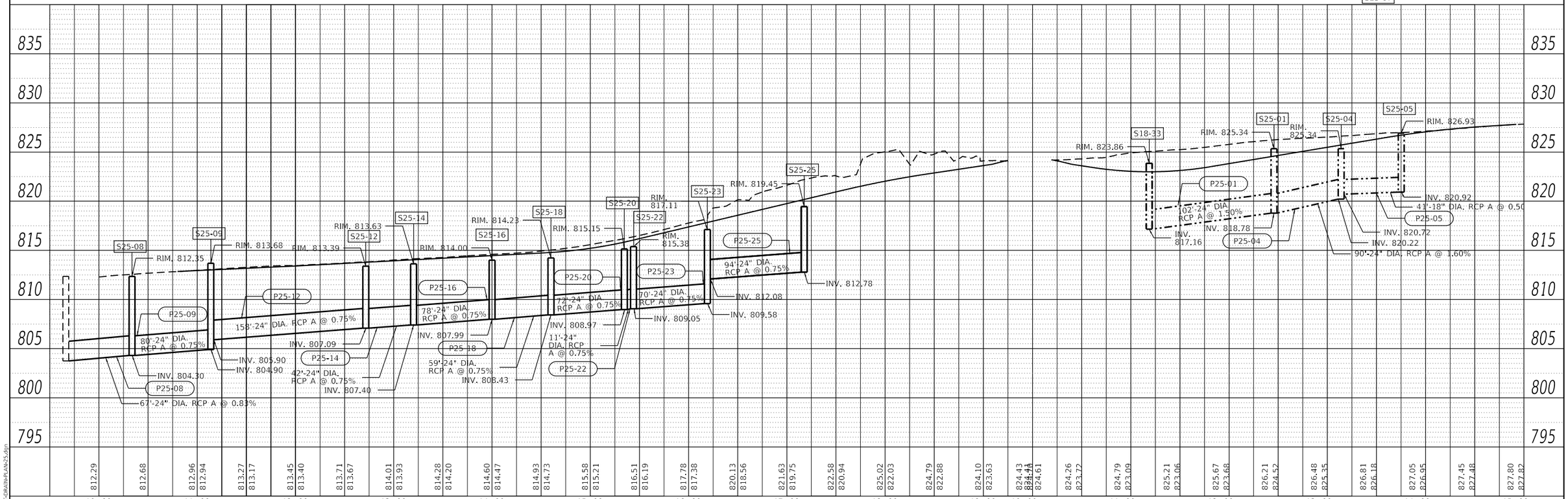
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
EDGEWOOD ROAD

SCALE: 1"=50' | SHEET 24 OF 26 SHEETS | STA. 3+50 | TO STA. 10+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	400
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





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PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

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PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
PRIME PARKWAY/ALBANY STREET

SCALE: 1"=50' | SHEET 25 OF 26 SHEETS | STA. 10+00 | TO STA. 18+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	401
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

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PLOTTED
ALIGNMENT CHECKED
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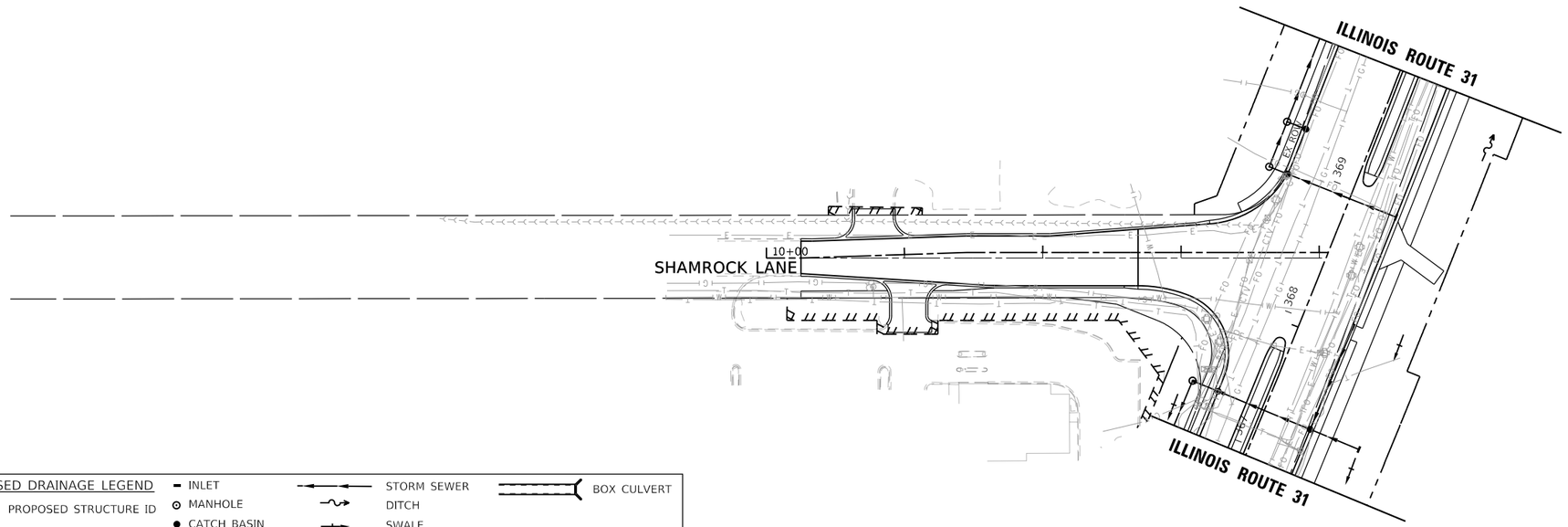
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



PROPOSED DRAINAGE LEGEND

XXXX PROPOSED STRUCTURE ID

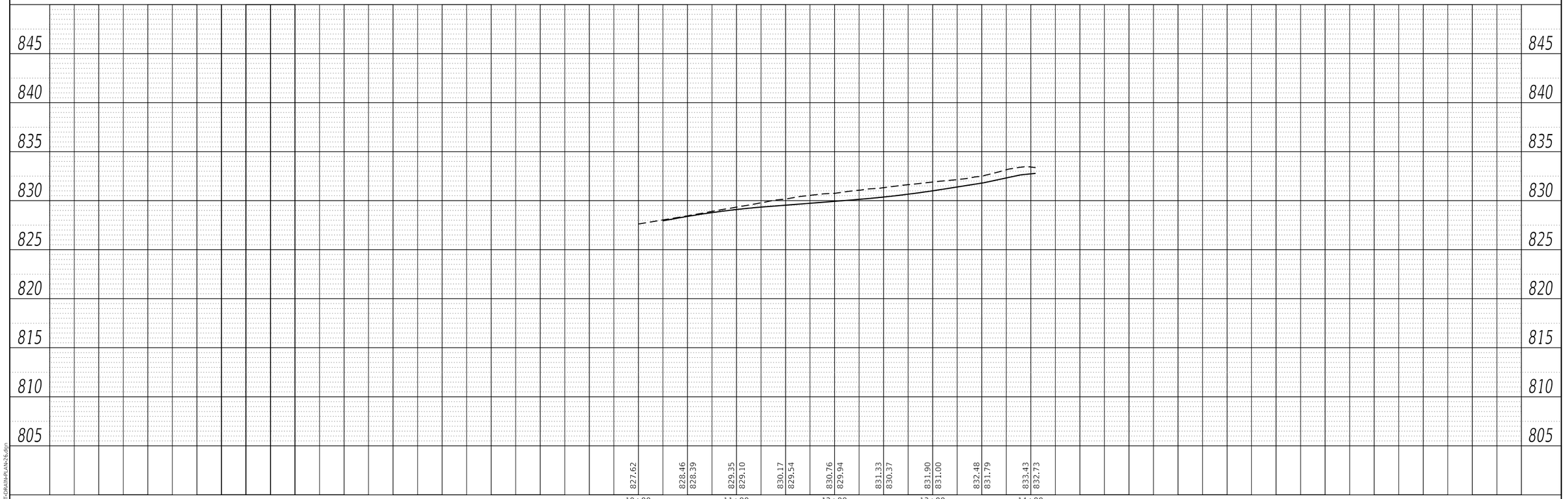
XXXX PROPOSED PIPE ID

INLET
MANHOLE
CATCH BASIN
END SECTION

STORM SEWER
DITCH
SWALE
PIPE CULVERT WITH END SECTION

BOX CULVERT

PROFILE
SURVEYED
PLOTTED
CHANGES CHECKED
B.M. NOTED
STRUCTURE NO/ATNS CHKD
NOTE BOOK
NO.
BY
DATE



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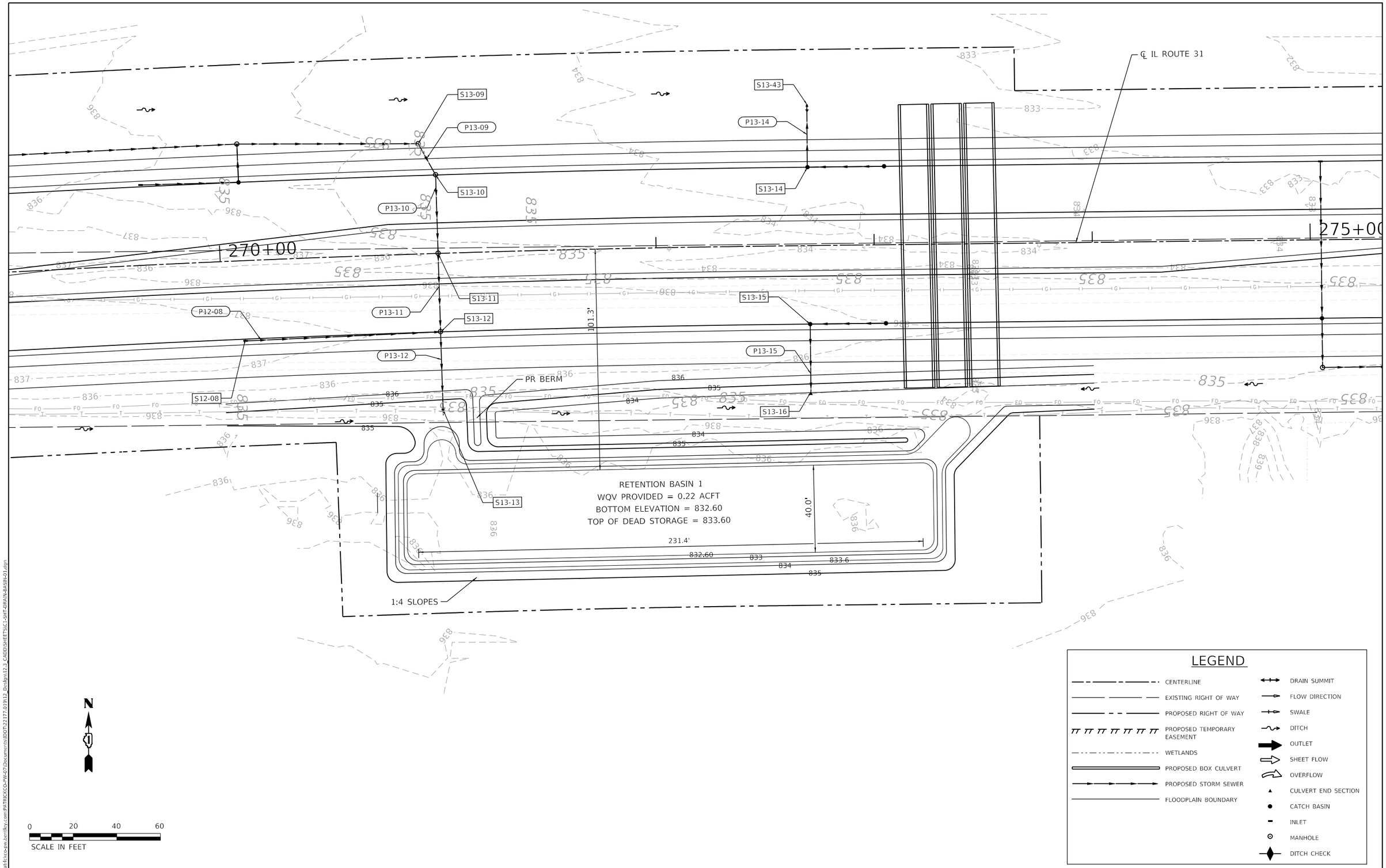
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
SHAMROCK LANE

SCALE: 1"=50' | SHEET 26 OF 26 SHEETS | STA. 10+00 | TO STA. 14+04.84

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	402
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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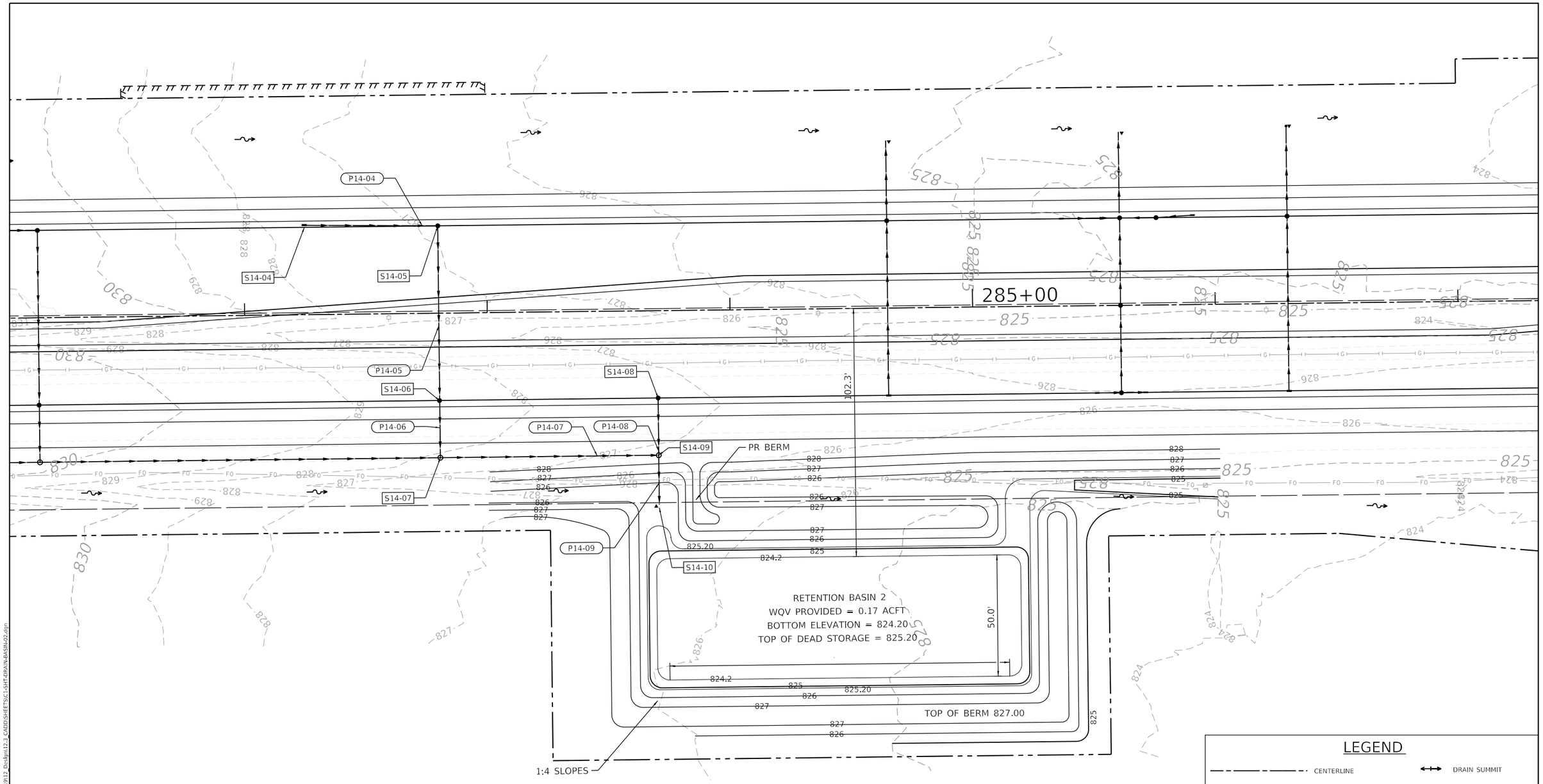
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER QUALITY RETENTION BASIN 1
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	403
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- CENTERLINE
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED TEMPORARY EASEMENT
- WETLANDS
- PROPOSED BOX CULVERT
- PROPOSED STORM SEWER
- FLOODPLAIN BOUNDARY
- DRAIN SUMMIT
- FLOW DIRECTION
- SWALE
- DITCH
- OUTLET
- SHEET FLOW
- OVERFLOW
- CULVERT END SECTION
- CATCH BASIN
- INLET
- MANHOLE
- DITCH CHECK

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USER NAME = mzuzzio	DESIGNED - DMS	REVISED -	
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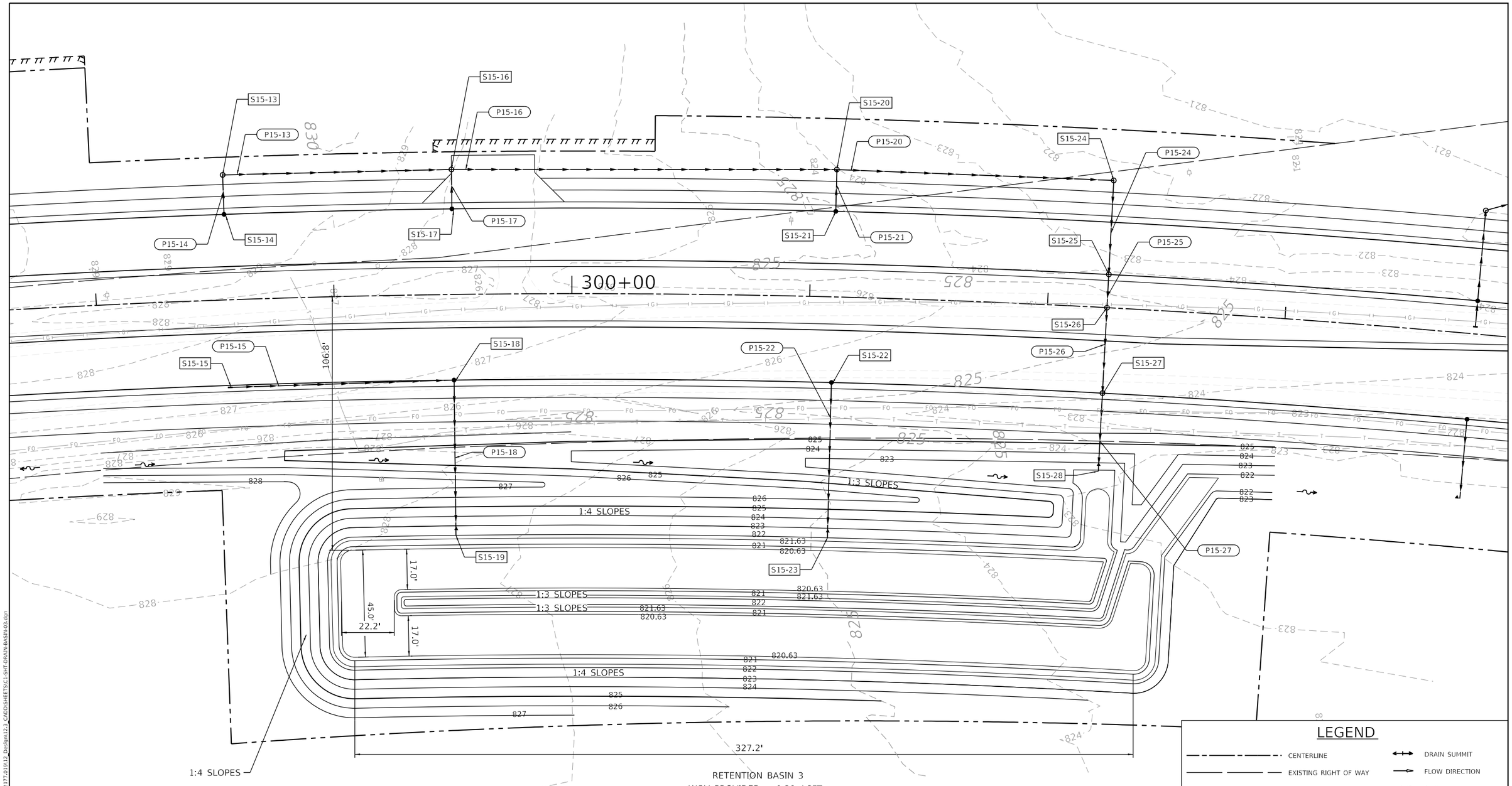
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER QUALITY RETENTION BASIN 2
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	404
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



RETENTION BASIN 3
WQV PROVIDED = 0.29 ACFT
BOTTOM ELEVATION = 820.63
TOP OF DEAD STORAGE = 821.63

LEGEND

- CENTERLINE
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED TEMPORARY EASEMENT
- WETLANDS
- PROPOSED BOX CULVERT
- PROPOSED STORM SEWER
- FLOODPLAIN BOUNDARY
- DRAIN SUMMIT
- FLOW DIRECTION
- SWALE
- DITCH
- OUTLET
- SHEET FLOW
- OVERFLOW
- CULVERT END SECTION
- CATCH BASIN
- INLET
- MANHOLE
- DITCH CHECK

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USER NAME = mzuzzio	DESIGNED - DMS	REVISED -	
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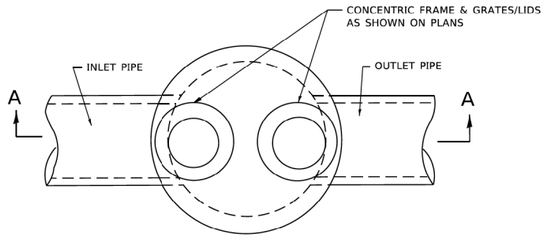
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

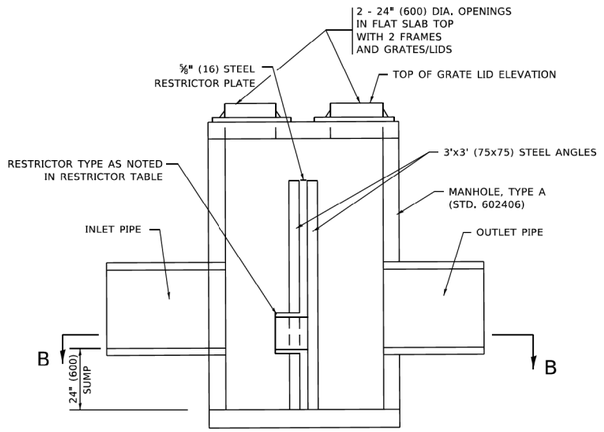
WATER QUALITY RETENTION BASIN 3
ILLINOIS ROUTE 31

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	405
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PLAN



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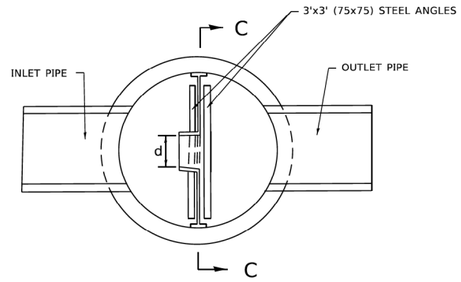

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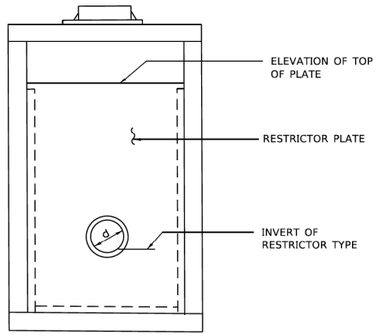

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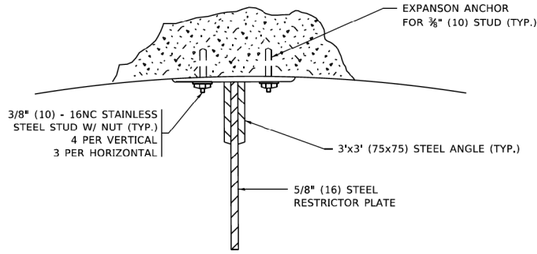


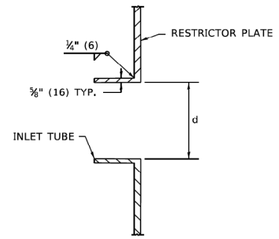
ANGLE FASTENER DETAIL

NOTES:

1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.

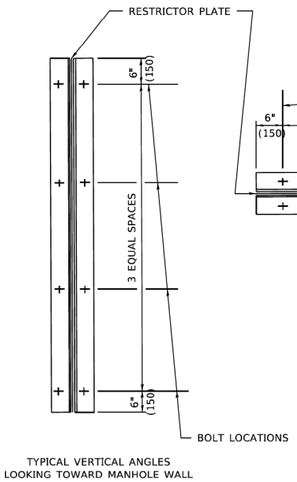
BASIS OF PAYMENT:

1. TO BE PAID FOR AS "MANHOLES ,TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.

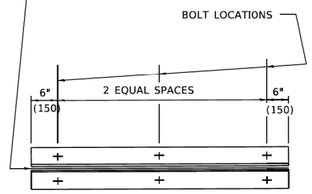


INLET TUBE DETAIL

STR. NO.	STATION AND OFFSET	MANHOLE DIAMETER (FT)	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER (IN)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
S2-39	151+96.17 ; -69.19	6	2 - T1F CL	2	9.50	901.36	905.51
S16-01	319+67.02 ; -50.58	6	2 - T1F CL	2	8.25	819.08	822.37
S16-04	320+23.64 ; -53.49	8	2 - T1F CL	2	14.75	819.03	822.25
S18-15	349+78.08 ; -54.58	9	2 - T1F CL	2	14.00	815.07	818.50
S18-18	350+29.33 ; -50.58	9	2 - T1F CL	2	14.25	815.17	818.60
S18-54	339+61.43; 52.80	6	2 - T1F CL	2	2.00	822.57	824.00
S19-37	370+46.00 ; -62.50	6	2 - T1F CL	2	7.90	826.13	828.93
S19-40	370+95.00 ; -62.20	6	2 - T1F CL	2	5.10	826.05	828.71
S19-46	372+00.00 ; -56.12	8	2 - T1F CL	2	8.75	826.09	829.79



TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL



TYPICAL HORIZONTAL ANGLES LOOKING TOWARD BOTTOM OF MANHOLE

TOTAL BOLTS REQUIRED: 22

NOTE:

1. ANGLES SHOULD BE 3x3x 3/8 (75x75x75)
2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: ½ TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-½ DIA.	LENGTH: 2-½ DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

STEEL ANGLE BOLTING DETAILS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - M. GOMEZ 01-08-01	
PLOT DATE = 2/2/2022	DATE - 09-09-94	REVISED - K. SMITH 02-01-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD600–04 (BD–12)	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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Illinois Professional Design Firm
184-001322

USER NAME = mzuzzio	DESIGNED - DMS	REVISED -	
	DRAWN - HRG	REVISED -	
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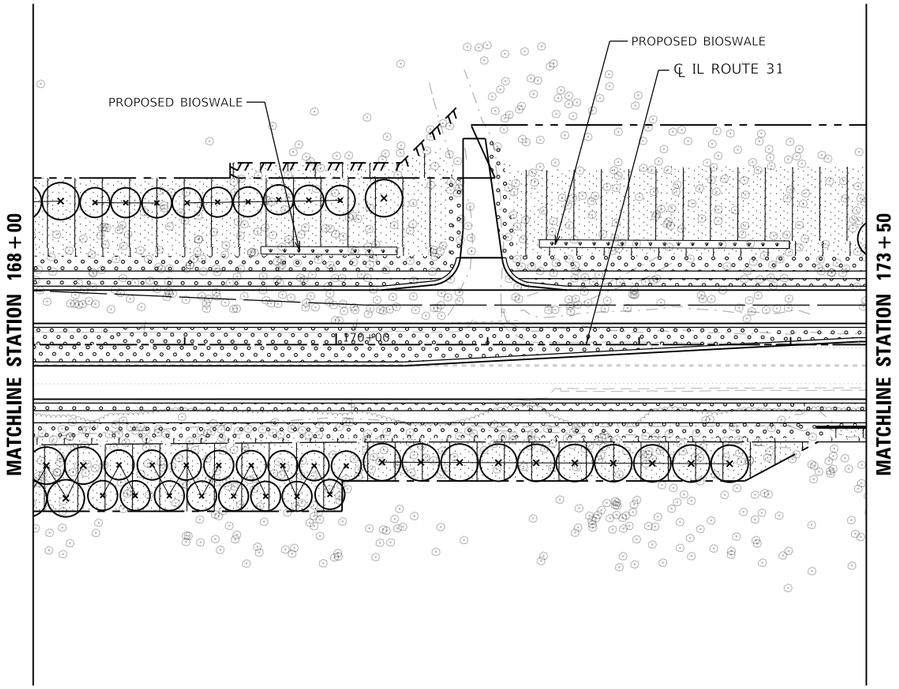
PLOT DATE = 10/4/2024	DATE - 04/30/2024	REVISED -	

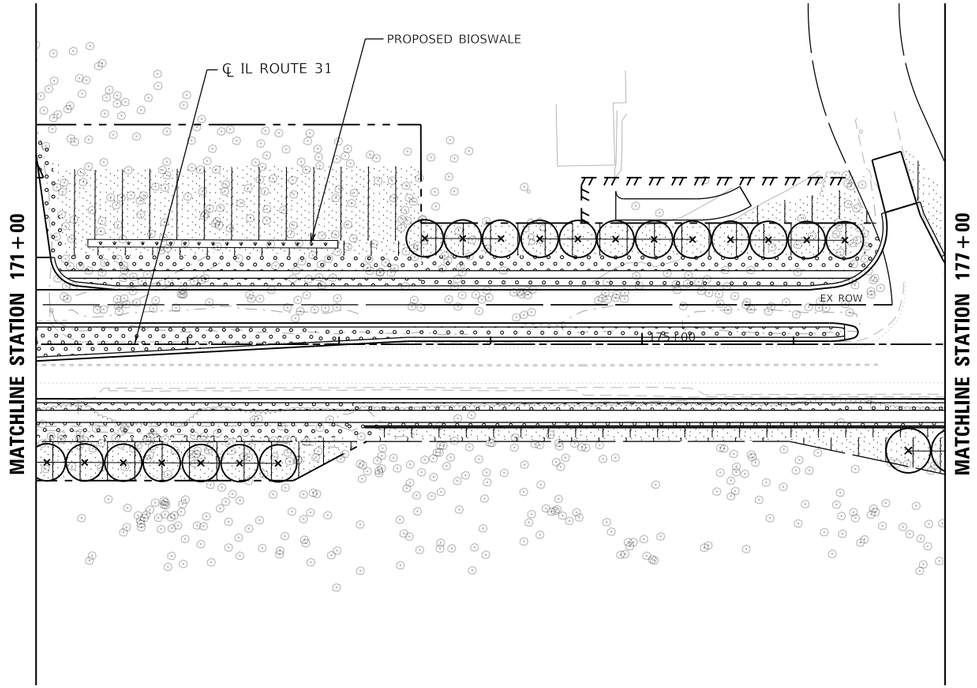
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAIN DETAIL RESTRICTOR MH
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	406
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			





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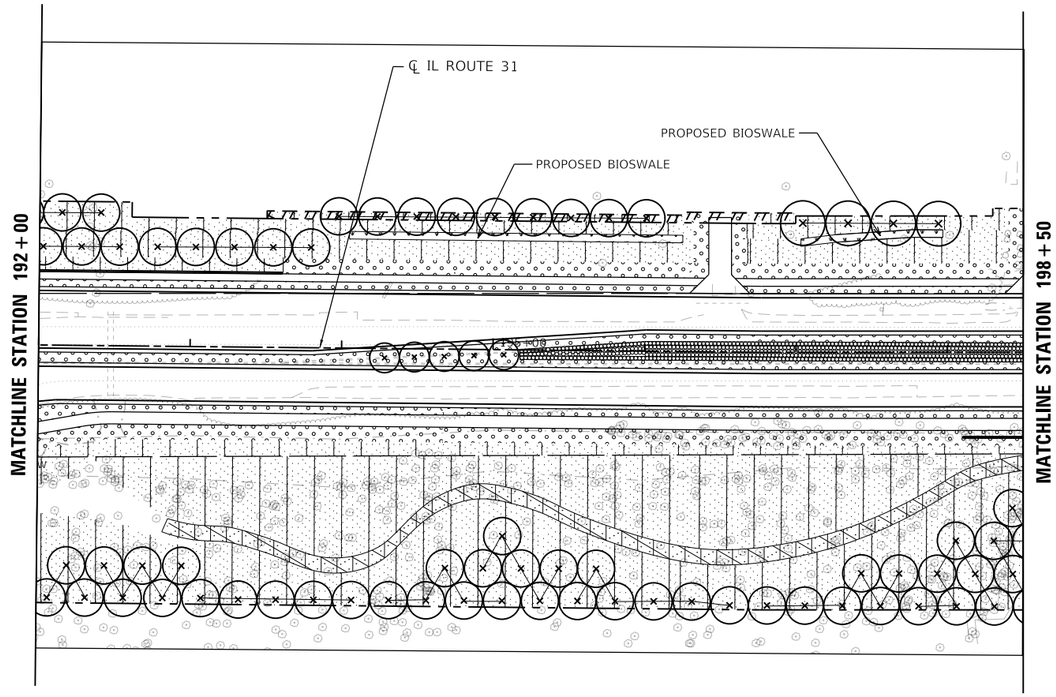
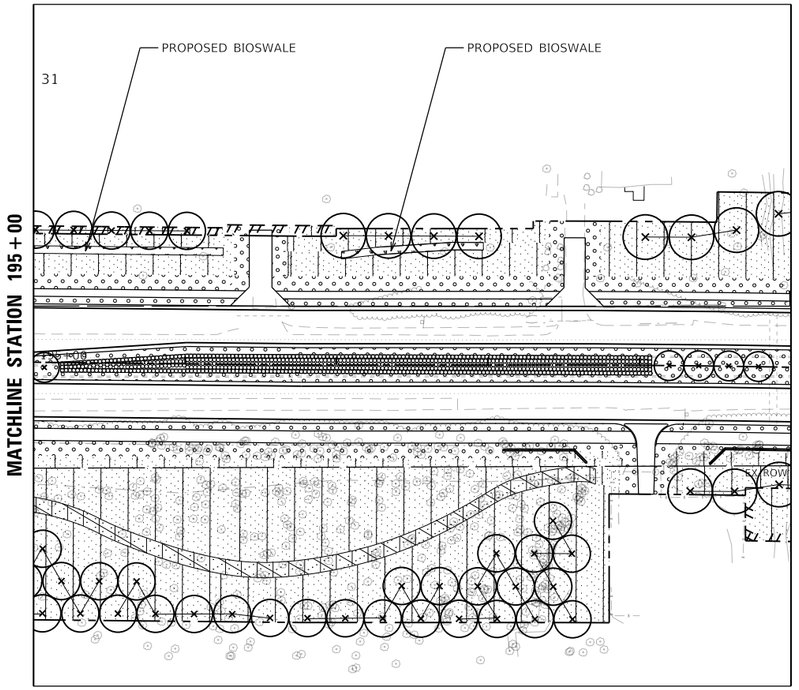
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	407
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		





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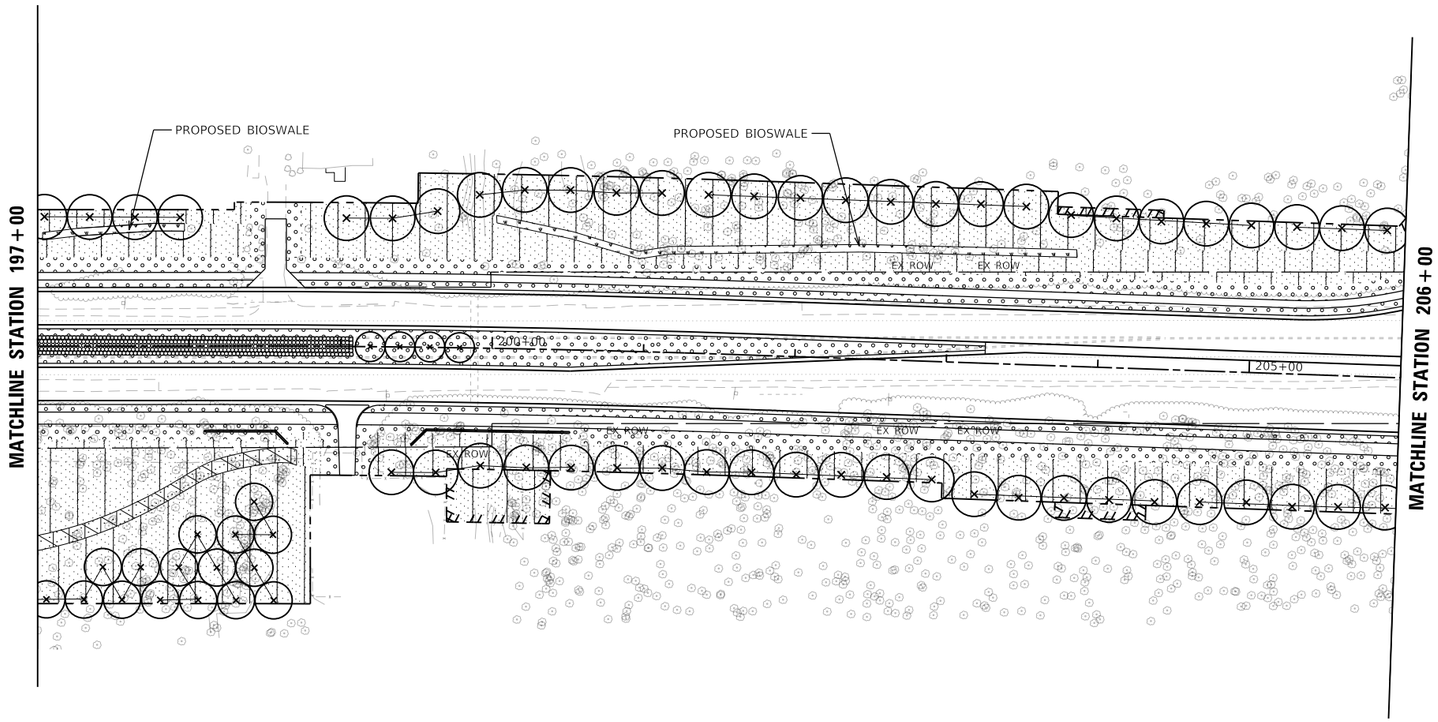
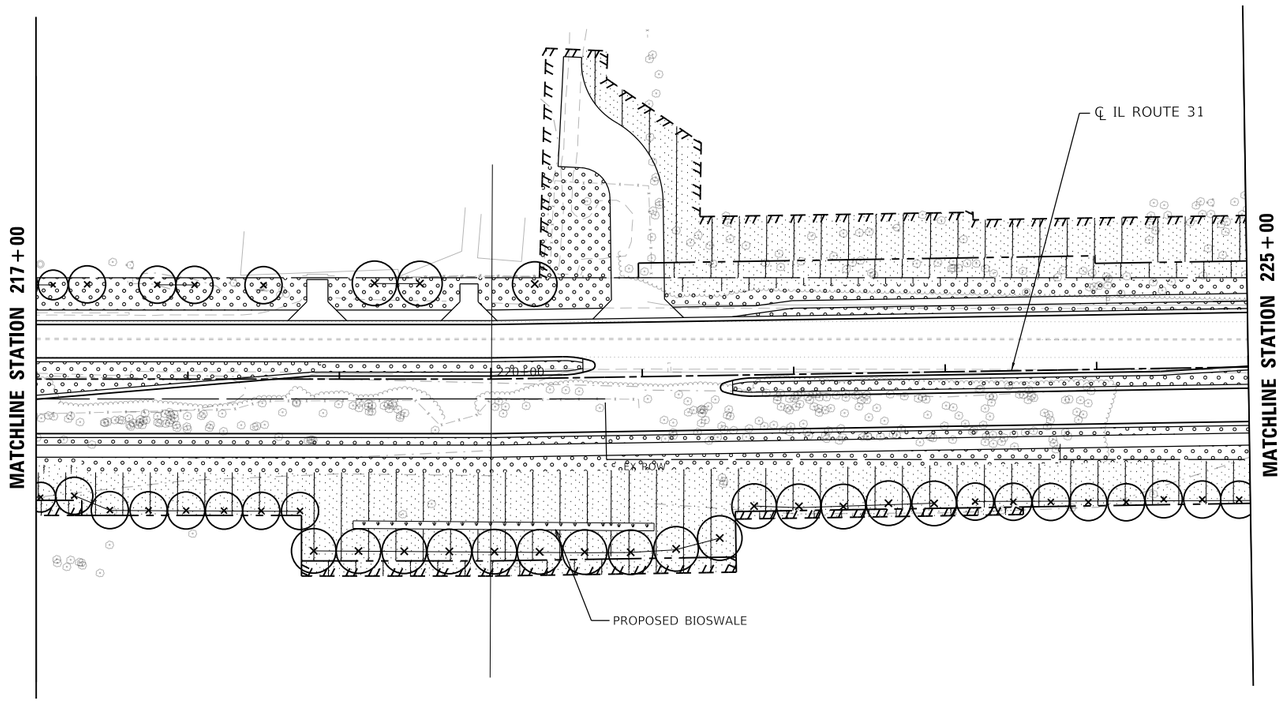
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 192+00 TO STA. 200+00			ILLINOIS FED. AID PROJECT		





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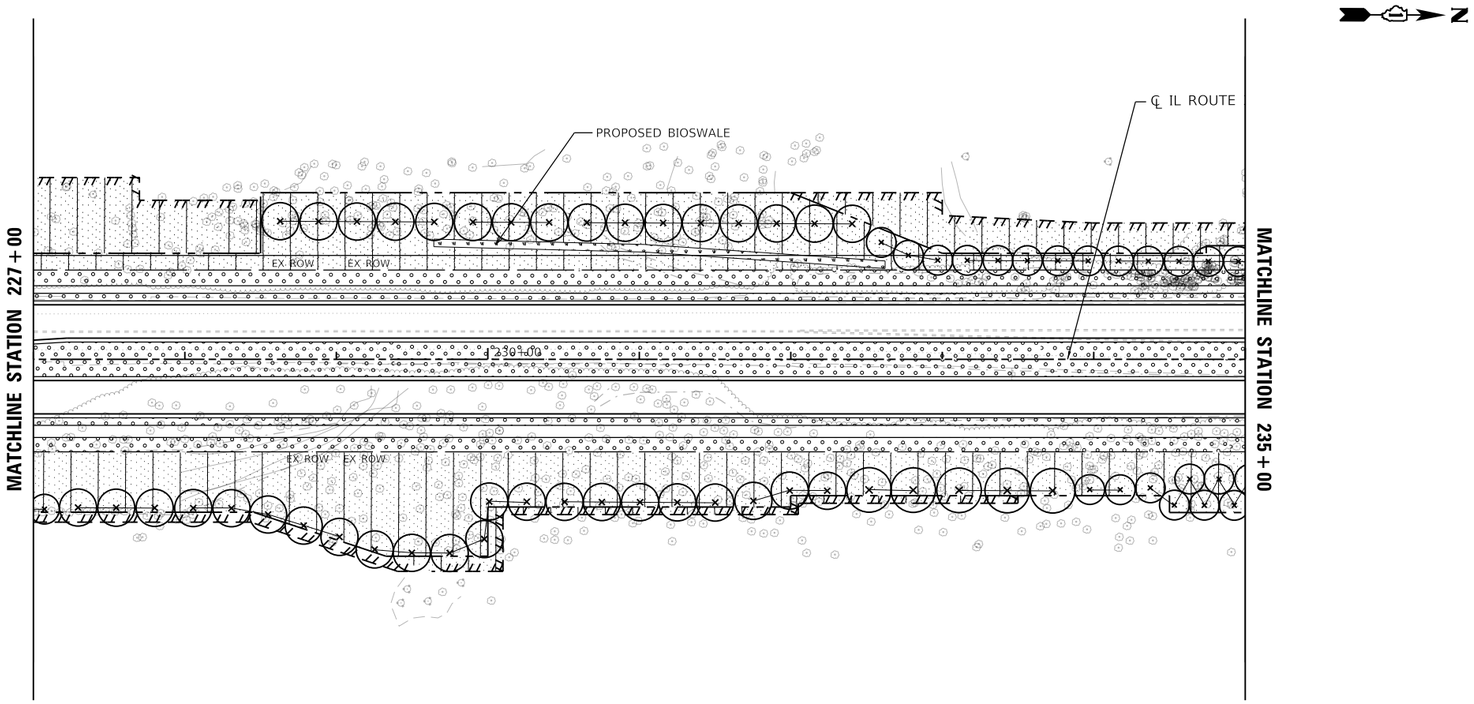
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	409
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



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	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 227+00 TO STA. 235+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	410
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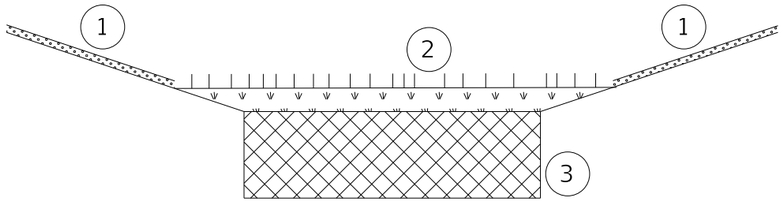
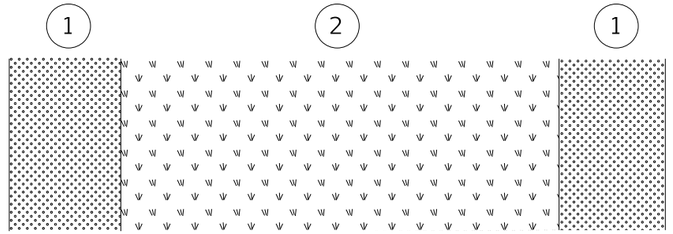
		ILLINOIS	FED. AID PROJECT	



TYPICAL SECTION



TYPICAL PLAN

1 SEED AND EROSION CONTROL BLANKET - SEE PLAN

2 WETLAND SOD

3 TOPSOIL, 12" DEPTH

1 TYPICAL BIOSWALE DETAIL

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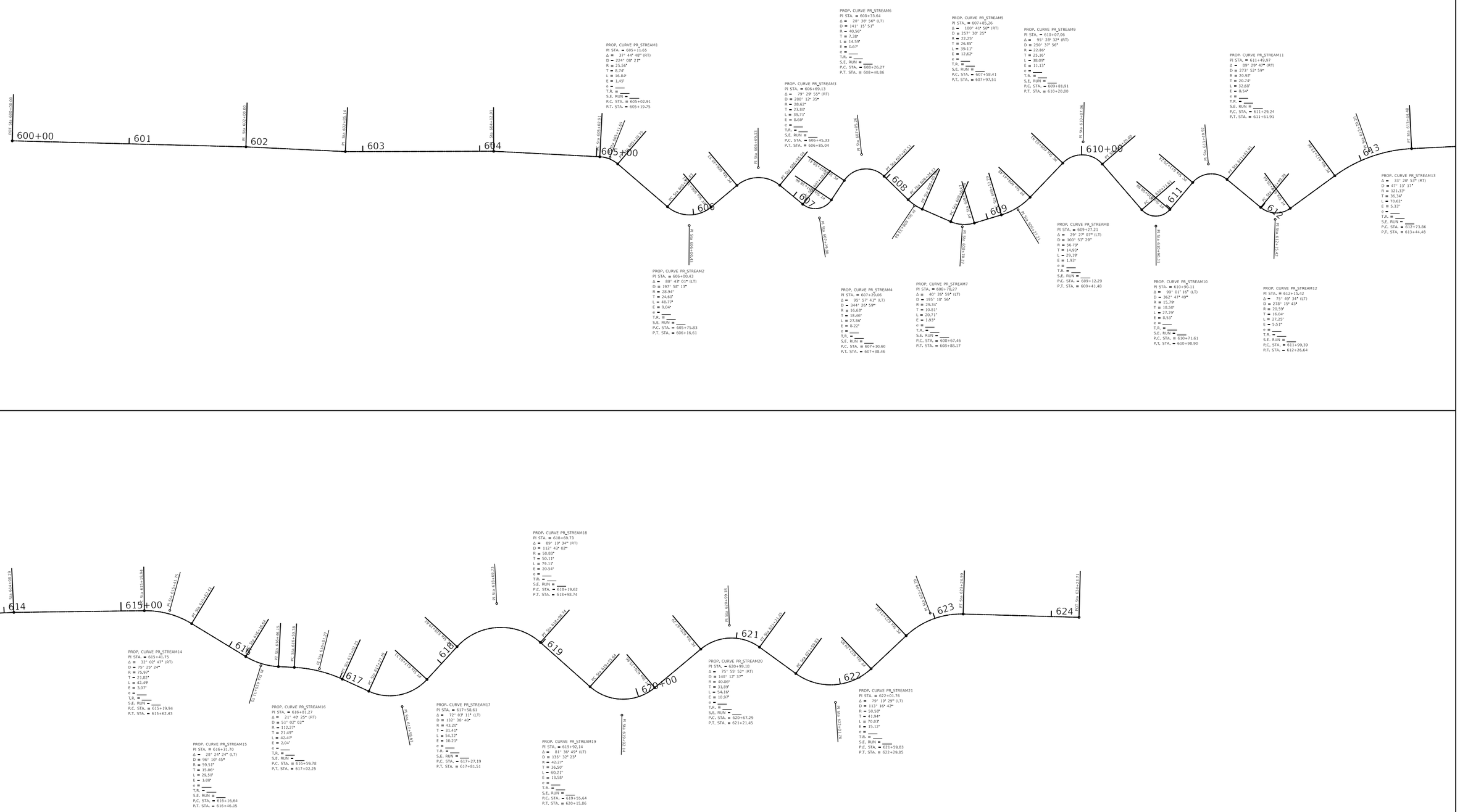

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USER NAME = eboelter	DESIGNED -	REVISED -	**STATE OF ILLINOIS**	**STREAM REALIGNMENT ALIGNMENT DATA**
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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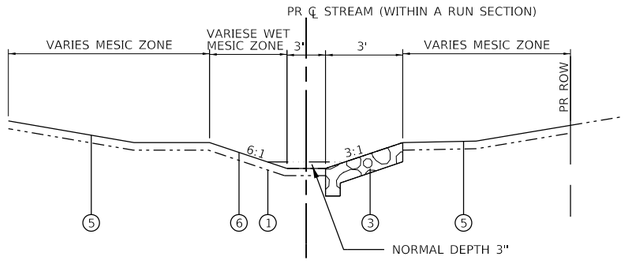
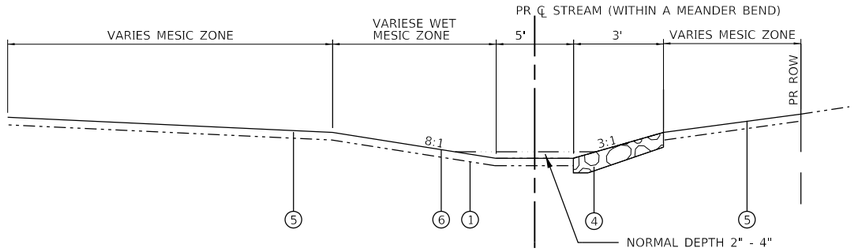
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



PROPOSED TYPICAL SECTION STREAM RELOCATION (STRAIGHT SECTION BETWEEN MEANDERS)

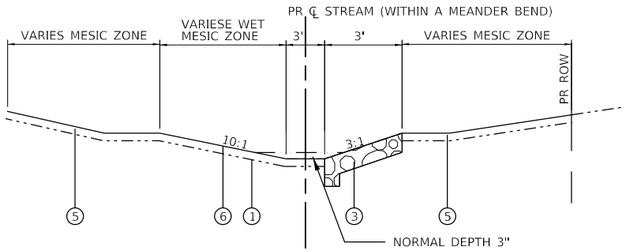


PROPOSED TYPICAL SECTION STREAM RELOCATION STA. 609+90 TO 613+90

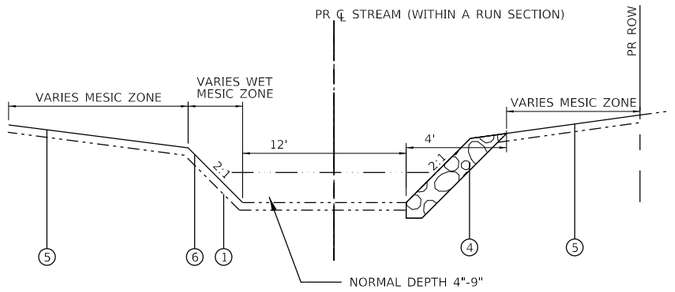
PROPOSED LEGEND

1. TOPSOIL EXCAVATION AND PLACEMENT
2. TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
3. STONE RIPRAP, CLASS A3
4. STONE RIPRAP, CLASS A4
5. SEEDING, MESIC
   SEEDING, CLASS 4
   SEEDING, CLASS 5
   EROSION CONTROL BLANKET
6. SEEDING, WET MESIC
   SEEDING, CLASS 4B
   SEEDING, CLASS 5
   EROSION CONTROL BLANKET
7. SEEDING CLASS 4B & 5B/HEAVY DUTY EROSION CONTROL BLANKET
8. SEEDING, WET MESIC
   SEEDING, CLASS 4A
   SEEDING, CLASS 5
   EROSION CONTROL BLANKET

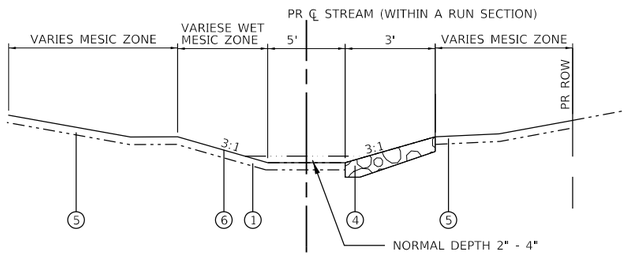
NOTES:
1. THE STREAMBED SHALL BE RESTORED WITH MATERIAL FROM THE EXISTING STREAMBED (PAID AS TOPSOIL EXCAVATION AND PLACEMENT).
2. SHALL PROVIDE 10:1 GRADING ON SIDESLOPES ON INSIDE OF MEANDERS.



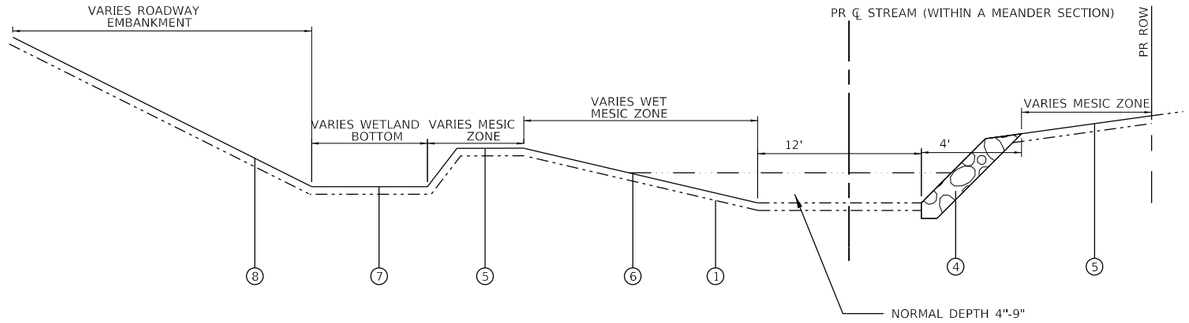
PROPOSED TYPICAL SECTION STREAM RELOCATION STA. 602+00 TO 609+90



PROPOSED TYPICAL SECTION STREAM RELOCATION (STRAIGHT SECTION BETWEEN MEANDERS) (FROM BRIGHTON TO THE LIFT STATION)



PROPOSED TYPICAL SECTION STREAM RELOCATION (STRAIGHT SECTION BETWEEN MEANDERS)



PROPOSED TYPICAL SECTION STREAM RELOCATION (FROM BRIGHTON TO THE LIFT STATION) STA. 615+05 TO 622+95

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HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = mzuzzio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STREAM RELOCATION TYPICAL SECTIONS ILLINOIS ROUTE 31
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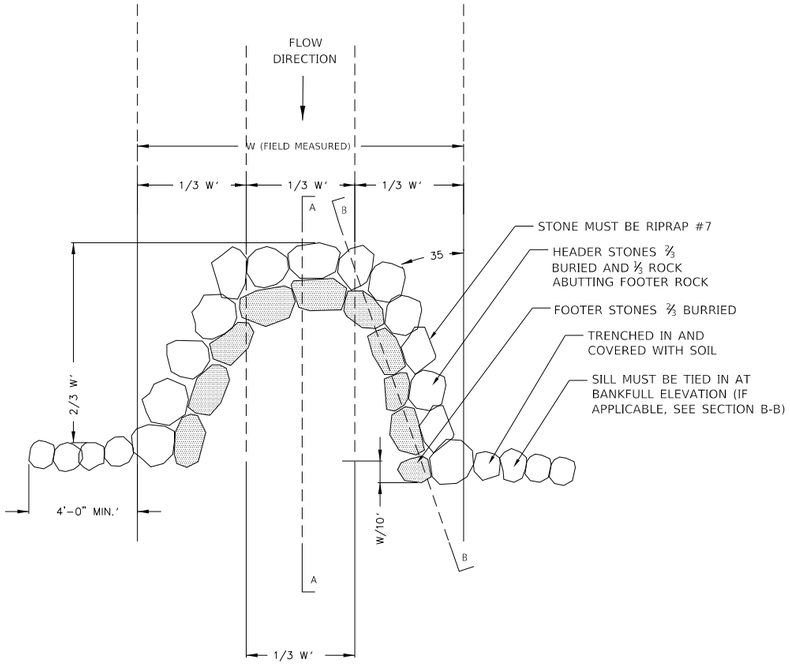
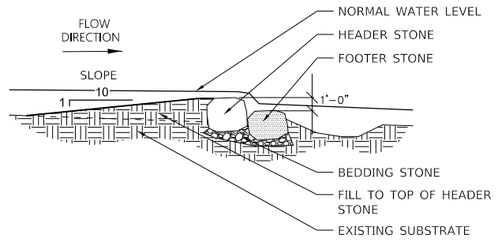
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	413
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

CROSS VANE WEIR DETAIL

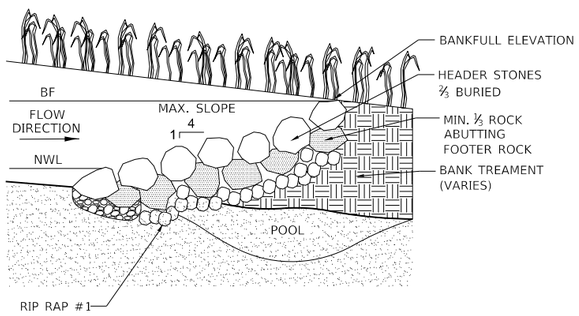
NOTES:
1. STONE SHALL BE ANGULAR IN SHAPE AND NEITHER BREADTH NOR THICKNESS OF A SINGLE STONE SHOULD BE LESS THAN ONE-THIRD ITS LENGTH. STONE SHALL BE BLOCKY RATHER THAN ELONGATED. STONE SHALL HAVE SHARP, ANGULAR, CLEAN EDGES AT THE INTERSECTIONS OF RELATIVELY FLAT SURFACES AND SHOULD BE NESTED TOGETHER. ROUNDED STONES OR BOULDERS WILL NOT BE ACCEPTED.
2. HEADER, FOOTER AND SILL STONE SIZES SHALL BE RIP RAP #7
3. FOOTERS STONES SHALL BE ⅔ BURIED & HEADER STONES SHALL BE ⅓ BURIED AND ABUT FOOTER STONES ⅓. SILLS SHALL BE TIED INTO THE BANK SIDE SLOPES WITH MINIMAL DISRUPTION OF SIDE SLOPES.



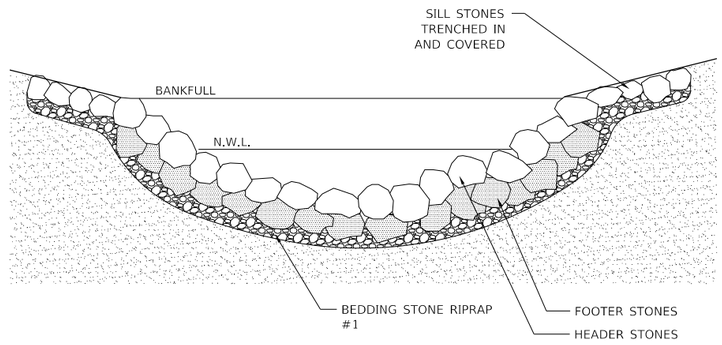
PLAN VIEW



CROSS SECTION VIEW A-A



PROFILE VIEW



CROSS SECTION VIEW B-B

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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	414
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PR ℄ IL ROUTE 31

PR ROW

PR ROW

PR ROW

PR ROW

EXIST ROW

E BRIGHTON LN

MATCHLINE STATION 614+53

CROSS VANE WEIR (TYP)

PR ℄ STREAM

STONE RIPRAP

PR BIKE PATH

N

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.: NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

MATCHLINE STATION 614+53

VPI STA. 603+22.68
ELEVATION 811.51
-6.27%
VPI STA. 605+69.82
ELEVATION 796.00
-2.05%
-2.05%
VPI STA. 606+19.06
ELEVATION 794.99
-4.99%
-1.99%
VPI STA. 606+39.39
ELEVATION 794.00
-1.99%
-4.02%
-4.02%
VPI STA. 607+39.27
ELEVATION 791.00
-1.00%
-1.00%
VPI STA. 608+39.53
ELEVATION 790.00
-1.16%
-1.16%
VPI STA. 609+02.19
ELEVATION 788.99
-2.85%
-2.85%
VPI STA. 609+74.15
ELEVATION 786.94
-2.43%
-2.43%
VPI STA. 610+54.03
ELEVATION 785.00
-1.60%
-1.60%
VPI STA. 612+41.52
ELEVATION 782.00
-3.83%
-3.83%
0
-0.33%

| | | |

PLAN

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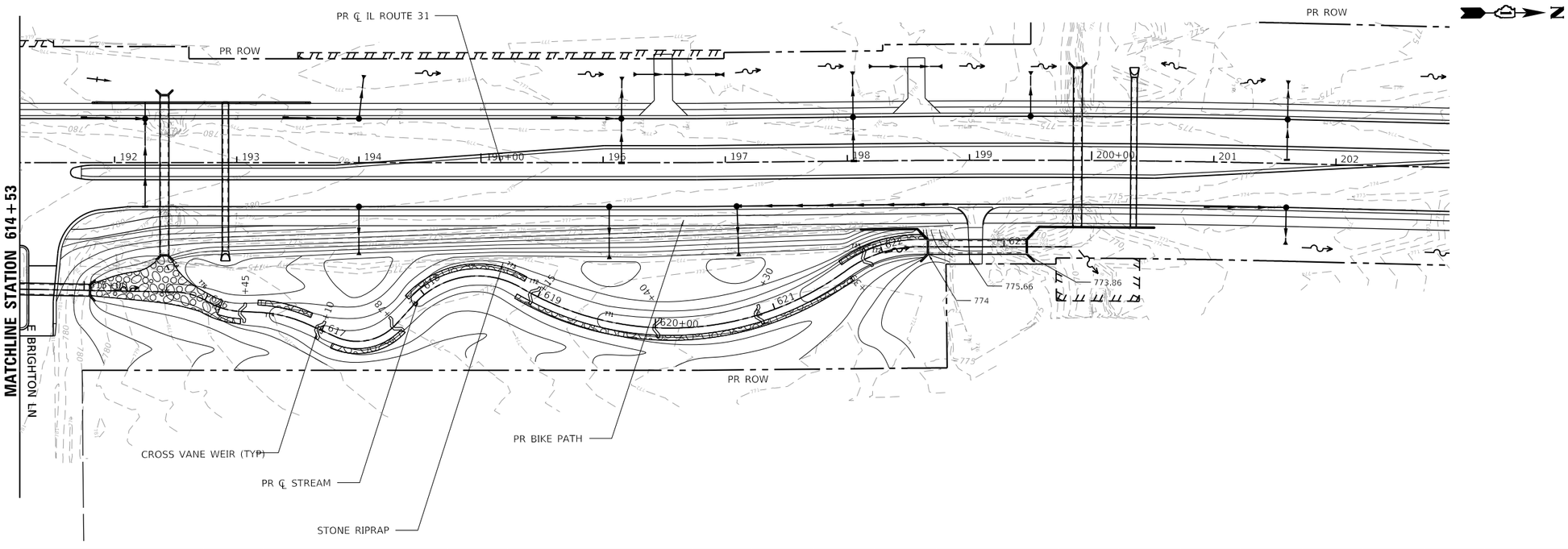
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK	
NO.	

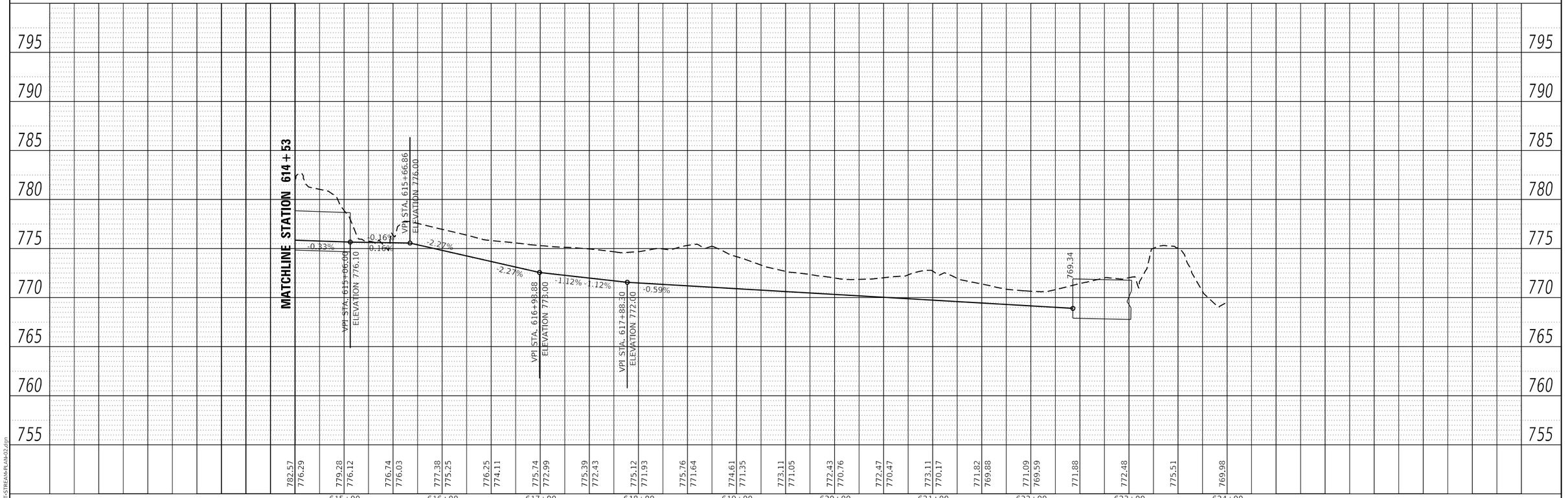
BY	DATE

PROFILE

SURVEYED	
PLOTTED	
GRADES CHECKED	
B.M.: NOTED	
STRUCTURE NO/ATNS CHKD	
NOTE BOOK	
NO.	

BY	DATE





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HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzzio		DESIGNED -	REVISED -
		DRAWN - TX	REVISED -
PLOT SCALE = 100.0000 ' / in.		CHECKED -	REVISED -
PLOT DATE = 10/4/2024		DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREAM RELOCATION PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 190+00 | TO STA. 199+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	416
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

MATCHLINE STATION 126 + 00

REILAND DRIVE

RAY ST

MATCHLINE STATION 139 + 00

126 127 128 129 130+00 131 132 133 134 135+00 136 137 138

N

PROPOSED WATER MAIN AND SANITARY LEGEND

PROPOSED WATER MAIN — TO BE ABANDONED — ADJ STRUCTURE TO BE ADJUSTED

PROPOSED SANITARY SEWER — R STRUCTURE TO BE RELOCATED

PROFILE
SURVEYED
PLOTTED
CHANGES CHECKED
B.M. NOTED
STRUCTURE NO/ATNS CHKD
NOTE BOOK
NO.
BY
DATE

905 900 895 890 885 880 875 870 865

MATCHLINE STATION 126 + 00

MATCHLINE STATION 139 + 00

PR PROFILE AT ℄ IL 31

EX PROFILE AT ℄ IL 31

EX 15" SANITARY SEWER

126+00	127+00	128+00	129+00	130+00	131+00	132+00	133+00	134+00	135+00	136+00	137+00	138+00	139+00
4.49	884.74	885.52	885.92 / 885.52	886.36 / 885.97	886.90 / 886.42	886.74 / 886.86	887.10 / 887.31	887.57 / 887.75	888.10 / 888.20	888.55 / 888.65	888.96 / 889.09	889.41 / 889.54	889.87 / 889.99	890.32 / 890.43	890.87 / 890.98	891.56 / 891.67	892.29 / 892.36	892.98 / 893.05	893.69 / 893.74	894.38 / 894.43	895.06 / 895.12	895.76 / 895.81	896.39 / 896.51	897.14 / 897.20	897.86 / 897.89	898.59 / 898.58

PATRICK a kiewit company

USER NAME = bwitort	DESIGNED - SA	REVISED -	
	DRAWN - CRD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED -	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 6 SHEETS | STA. 126+00 | TO STA. 139+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	417
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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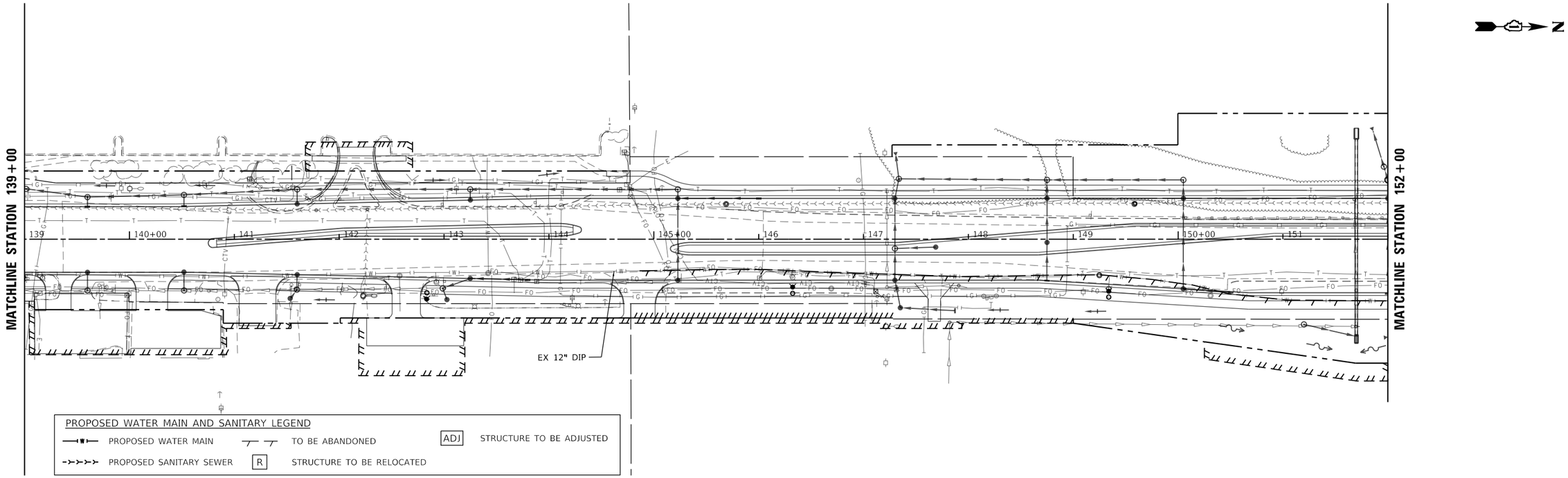

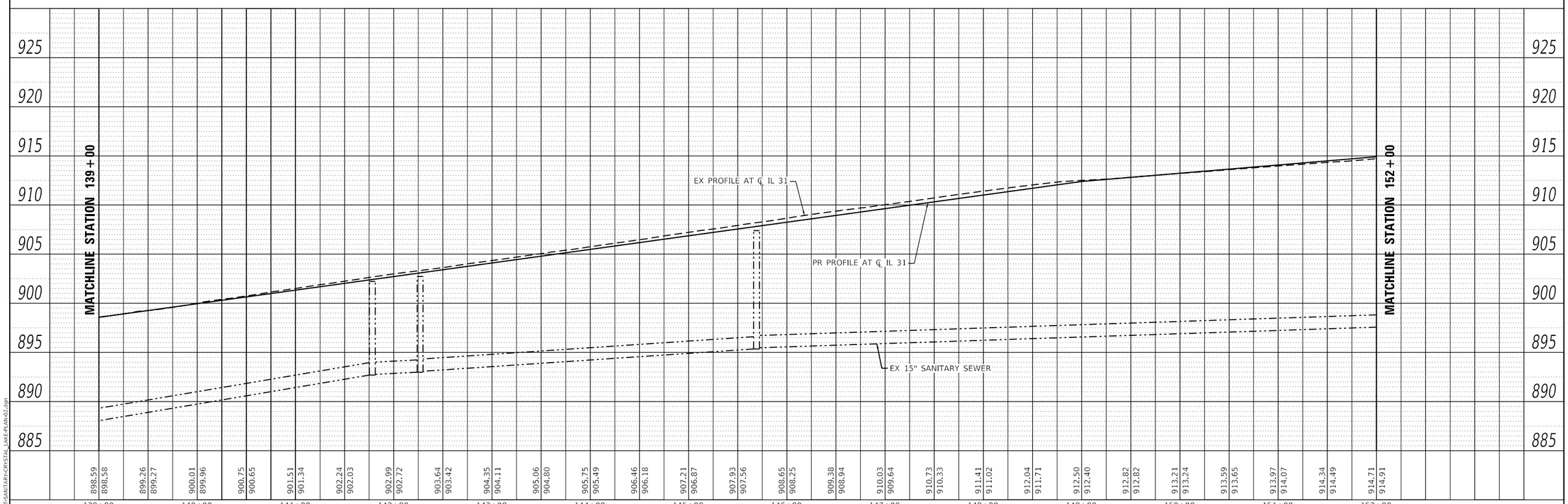

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SURVEYED
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ALIGNMENT CHECKED
RT. OF WAY CHECKED
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DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

MODEL: Default
FILE NAME: C:\SHT-SANITARY-CRYSTAL_LAKE-PLAN-02.dgn

PATRICK a RAM company

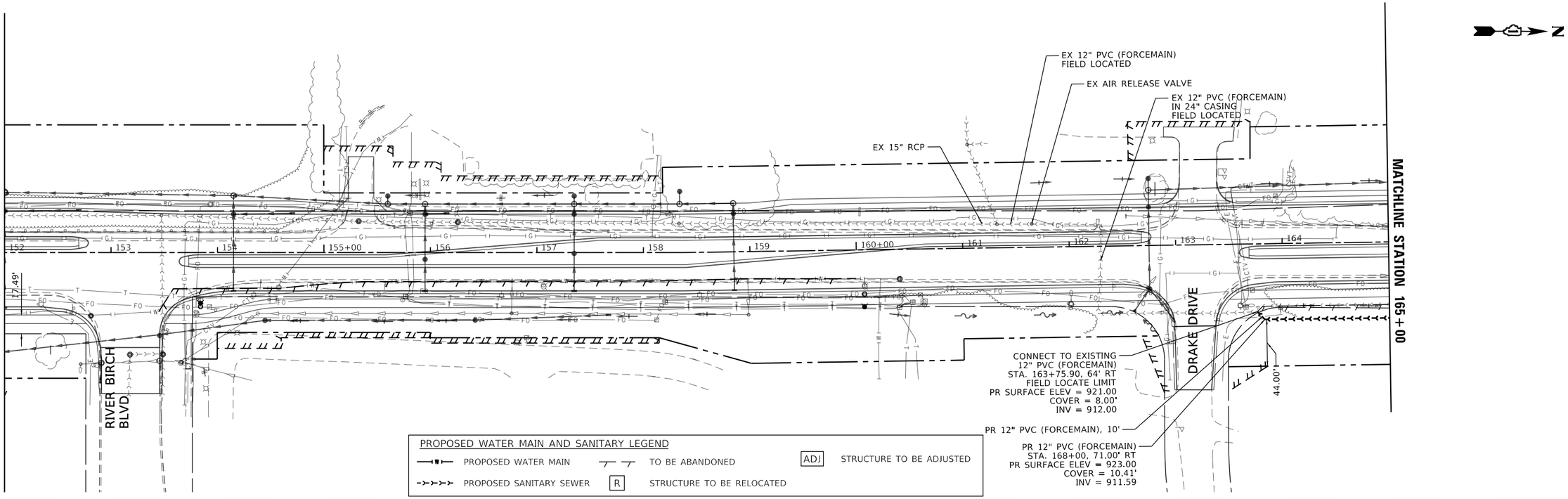
USER NAME = bwitort	DESIGNED - SA	REVISED -	
	DRAWN - CRD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED -	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 6 SHEETS | STA. 139+00 TO STA. 152+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	418
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

MODEL: Default
FILE NAME: C:\SHT-SANITARY-CRYSTAL_LAKE-PLAN-03.dgn

PATRICK a RAM company

USER NAME = bwitort	DESIGNED - SA	REVISED -	
	DRAWN - CRD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED -	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 6 SHEETS | STA. 152+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	419
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PLAN
SURVEYED
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ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NO/PATNS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: Default
FILE NAME: C:\SHT-SANITARY-CRYSTAL_LAKE-PLAN-04.dgn

MATCHLINE STATION 165+00

MATCHLINE STATION 177+00

SHADY OAKS LANE

OAK CREST RD

PR 12" PVC (FORCEMAIN)
TO BE ABANDONED, 526'
APPROXIMATE LOCATION FROM GIS

PR 12" PVC (FORCEMAIN), 502'

40.00'

PR 12" PVC (FORCEMAIN)
STA. 168+00, 70.00' RT
PR SURFACE ELEV = 895.00

CONNECT TO EXISTING
12" PVC (FORCEMAIN)
APPROXIMATE LOCATION FROM GIS
STA. 169+00, 55.82' RT
PR SURFACE ELEV = 892.60
COVER = 4.50'
INV = 887.00

PR 12" PVC (FORCEMAIN), 20'

EX 12" PVC (FORCEMAIN)
FIELD LOCATE LIMIT

EX 12" PVC (F

PROPOSED WATER MAIN AND SANITARY LEGEND

PROPOSED WATER MAIN	TO BE ABANDONED	ADJ	STRUCTURE TO BE ADJUSTED
PROPOSED SANITARY SEWER	R		STRUCTURE TO BE RELOCATED

PR PROFILE AT ℄ IL 31

EX PROFILE AT ℄ IL 31

PR 12" PVC SANITARY SEWER

INV. = 890.00

INV. = 887.00

EX 12" SANITARY SEWER

915 910 905 900 895 890 885 880 875

870 865 860 855 850 845 840 835 830

915.69 913.91 | 913.35 911.98 | 910.60 909.84 | 907.65 907.48 | 904.62 904.91 | 901.62 902.13 | 898.61 899.17 | 895.62 896.19 | 892.57 893.21 | 889.56 890.23 | 886.64 887.25 | 883.59 884.27 | 880.64 881.30 | 877.48 878.32 | 874.44 875.34 | 871.44 872.36 | 868.35 869.38 | 865.39 866.40 | 862.43 863.42 | 859.47 860.44 | 856.44 857.46 | 853.39 854.48 | 850.38 851.50 | 847.44 848.52 | 844.45 845.54

165+00 166+00 167+00 168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00

PATRICK a kiewit company

USER NAME = bwitort	DESIGNED - SA	REVISED -	
	DRAWN - CRD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED -	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 6 SHEETS | STA. 165+00 | TO STA. 177+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	420
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.: NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: Default
FILE NAME: C:\SHT-SANITARY-CRYSTAL_LAKE-PLAN-05.dgn

MATCHLINE STATION 177+00

MATCHLINE STATION 190+00

N

EX 12" PVC (FORCEMAIN)
FIELD LOCATE LIMIT

PROPOSED WATER MAIN AND SANITARY LEGEND

PROPOSED WATER MAIN — TO BE ABANDONED — ADJ STRUCTURE TO BE ADJUSTED

PROPOSED SANITARY SEWER — R STRUCTURE TO BE RELOCATED

PR PROFILE AT ℄ IL 31

EX PROFILE AT ℄ IL 31

EX 12" SANITARY SEWER

177+00	178+00	179+00	180+00	181+00	182+00	183+00	184+00	185+00	186+00	187+00	188+00	189+00	190+00
844.45 / 845.54	841.38 / 842.56	838.21 / 839.59	835.08 / 836.61	832.07 / 833.63	829.02 / 830.65	826.04 / 827.67	823.14 / 824.69	820.12 / 821.71	817.29 / 818.73	814.60 / 815.75	811.95 / 812.77	809.33 / 809.86	806.86 / 807.10
804.53 / 804.50	802.33 / 802.07	800.27 / 799.79	798.28 / 797.67	796.35 / 795.71	794.65 / 793.91	792.97 / 792.27	791.43 / 790.79	790.00 / 789.47	788.66 / 788.31	787.46 / 787.31	786.26 / 786.46	785.14 / 785.78	

PATRICK a kiewit company

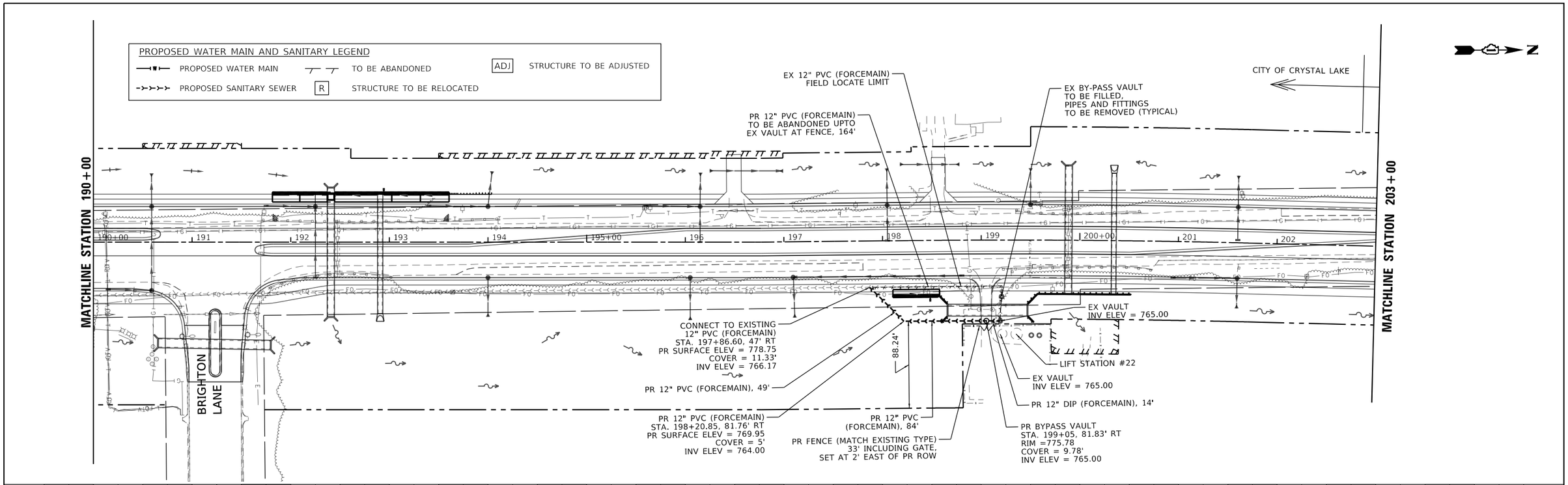
USER NAME = bwitort	DESIGNED - SA	REVISED -	
	DRAWN - CRD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED -	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 6 SHEETS | STA. 178+00 | TO STA. 190+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	421
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PLAN
NOTE BOOK NO.
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PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

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PATRICK a RAM company

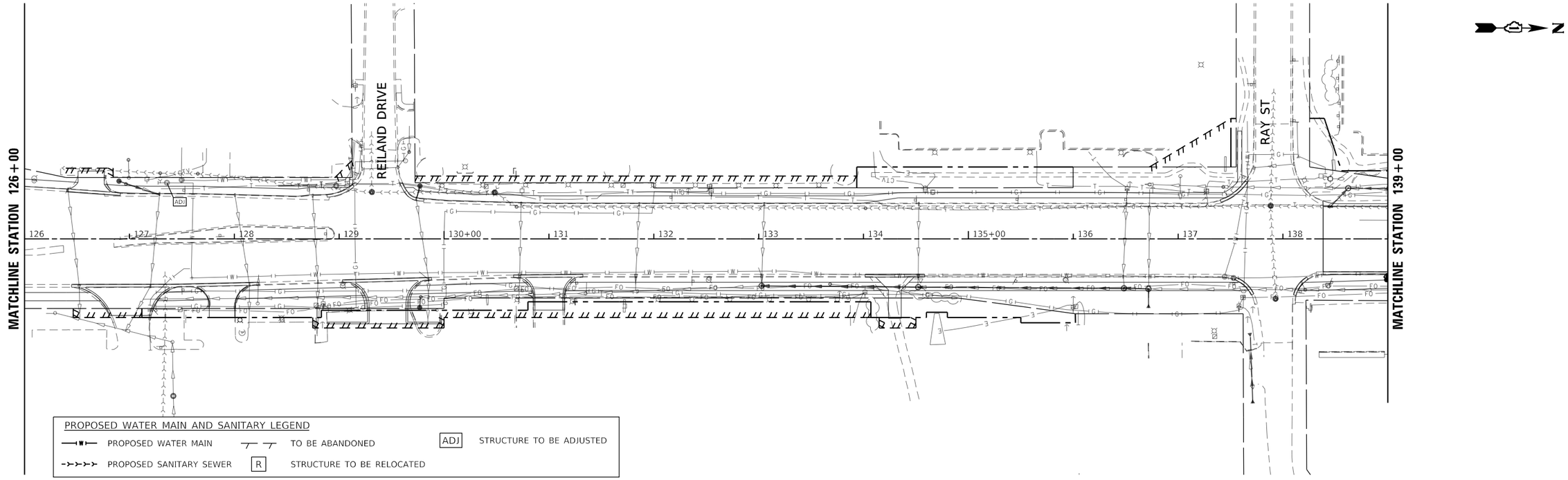
USER NAME = bwitort	DESIGNED - SA	REVISED -	
	DRAWN - CRD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED -	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED -	

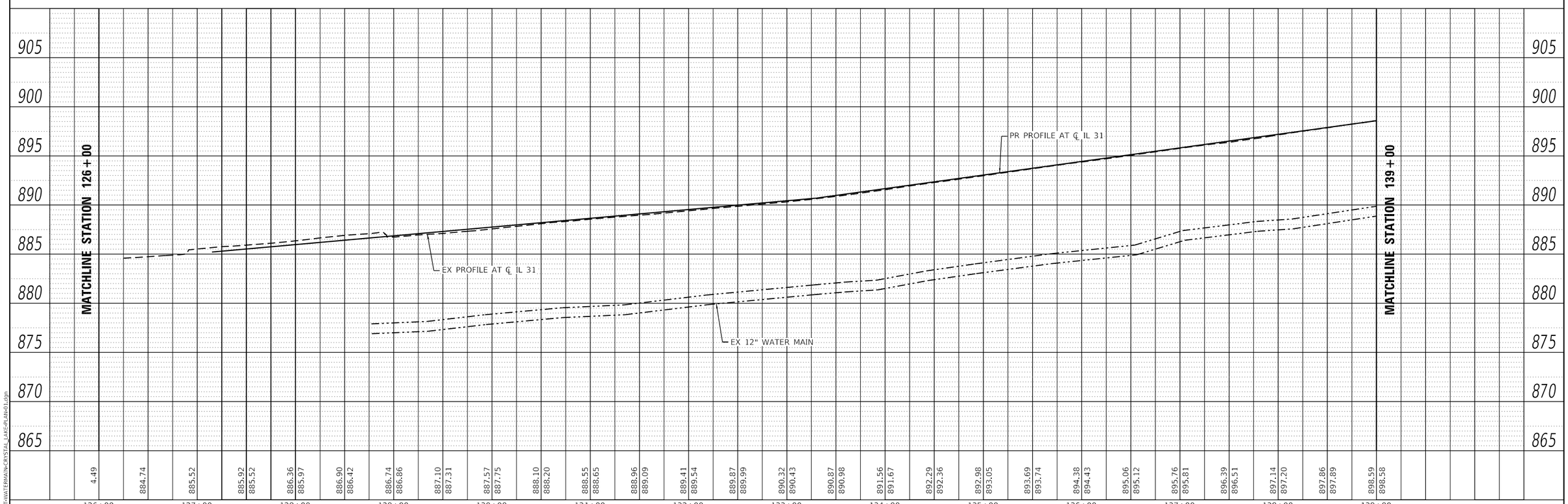
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 6 SHEETS | STA. 190+00 TO STA. 203+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	422
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		





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SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

MODEL: Default
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PATRICK a RAM company

USER NAME = bwitort	DESIGNED - SA	REVISED -	
	DRAWN - CRD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED -	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE – WATER MAIN RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. 126+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	423
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

MATCHLINE STATION 139+00

MATCHLINE STATION 152+00

EX 12" DIP TO BE ABANDONED, 714'

CONNECT TO EXISTING 12" DIP
STA. 144+86.50, 44.88' RT
PR SURFACE ELEV = 906.50
COVER = 7.49'
TOP OF 12" DIP EL = 899.01

44.88'

PR 12" DIP
STA. 145+14.10, 57.00' RT
PR SURFACE ELEV = 907.00
COVER = 6.50'
TOP OF 12" DIP EL = 900.50

17.35'

18.00'

PR 12" DIP
PR SURFACE ELEV = 913.50
COVER = 6.67'
TOP OF 12" DIP EL = 906.83

PR 12" DIP
PR SURFACE ELEV = 914.00
COVER = 11.60'
TOP OF 12" DIP EL = 902.40

CONNECT TO EXISTING 12" DIP
STA. 151+98.50, 58.86' RT
PR SURFACE ELEV = 914.00
COVER = 9.30'
TOP OF 12" DIP EL = 904.70

PROPOSED WATER MAIN AND SANITARY LEGEND

PROPOSED WATER MAIN — TO BE ABANDONED — ADJ STRUCTURE TO BE ADJUSTED

PROPOSED SANITARY SEWER — R STRUCTURE TO BE RELOCATED

EX PROFILE AT ℄ IL 31

PR PROFILE AT ℄ IL 31

PR 12" DIP

EX 12" WATER MAIN

925 920 915 910 905 900 895 890 885

898.59 898.58 | 899.26 899.27 | 900.01 899.96 | 900.75 900.65 | 901.51 901.34 | 902.24 902.03 | 902.99 902.72 | 903.64 903.42 | 904.35 904.11 | 905.06 904.80 | 905.75 905.49 | 906.46 906.18 | 907.21 906.87 | 907.93 907.56 | 908.65 908.25 | 909.38 908.94 | 910.03 909.64 | 910.73 910.33 | 911.41 911.02 | 912.04 911.71 | 912.50 912.40 | 912.82 912.82 | 913.21 913.24 | 913.59 913.65 | 913.97 914.07 | 914.34 914.49 | 914.71 914.91

139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NoSTATNS CHKD, NOTE BOOK, NO., BY, DATE

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PATRICK a kiewit company

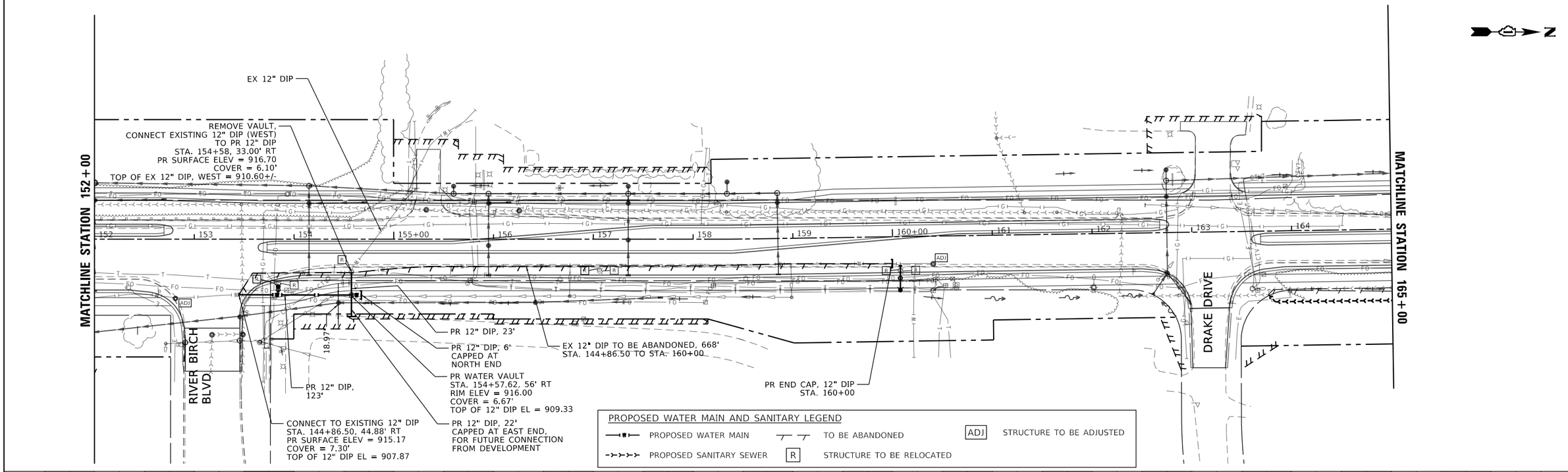
USER NAME = bwitort	DESIGNED - SA	REVISED -	
	DRAWN - CRD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED -	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE – WATER MAIN RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. 139+00 TO STA. 152+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	424
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
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DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

MODEL: Default
FILE NAME: C:\SHT-WATERMAIN-CRYSTAL_LAKE-PLAN-03.dgn

PATRICK a RAM company

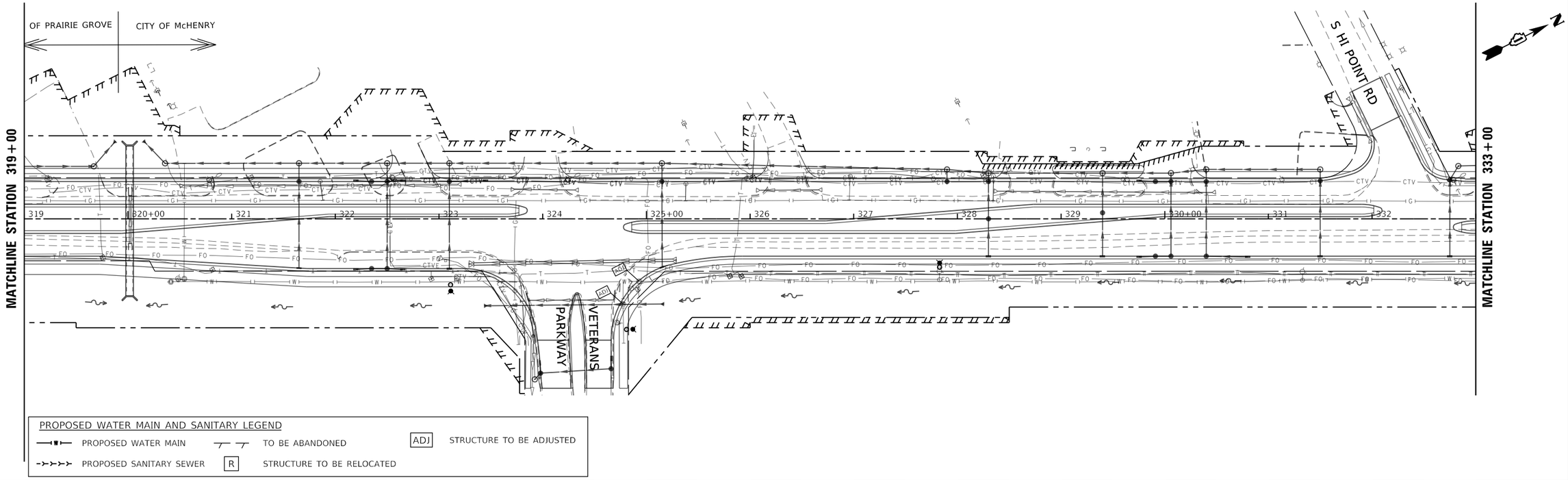
USER NAME = bwitort	DESIGNED - SA	REVISED -	
	DRAWN - CRD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED -	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRYSTAL LAKE – WATER MAIN RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. 152+00 TO STA. 165+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	425
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CH'KD
BY
DATE

MODEL: Default
FILE NAME: C:\SHT-SANITARY-MCHENRY-PLAN-01.dgn

PATRICK a RAM company

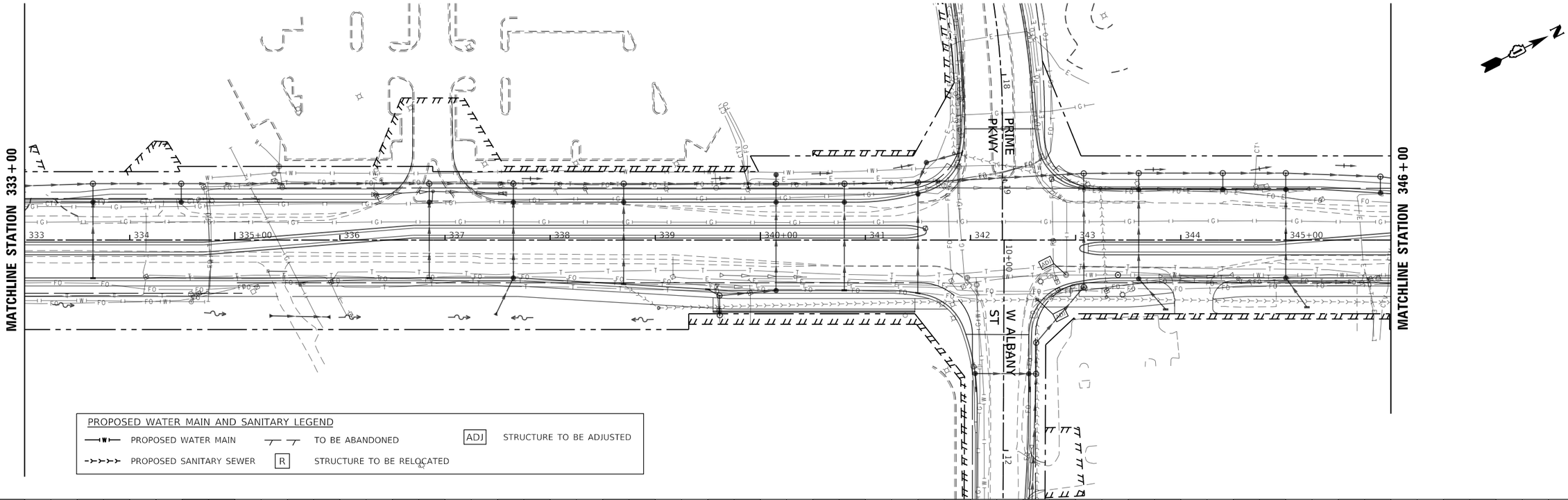
USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	
	DRAWN - CRD	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4	

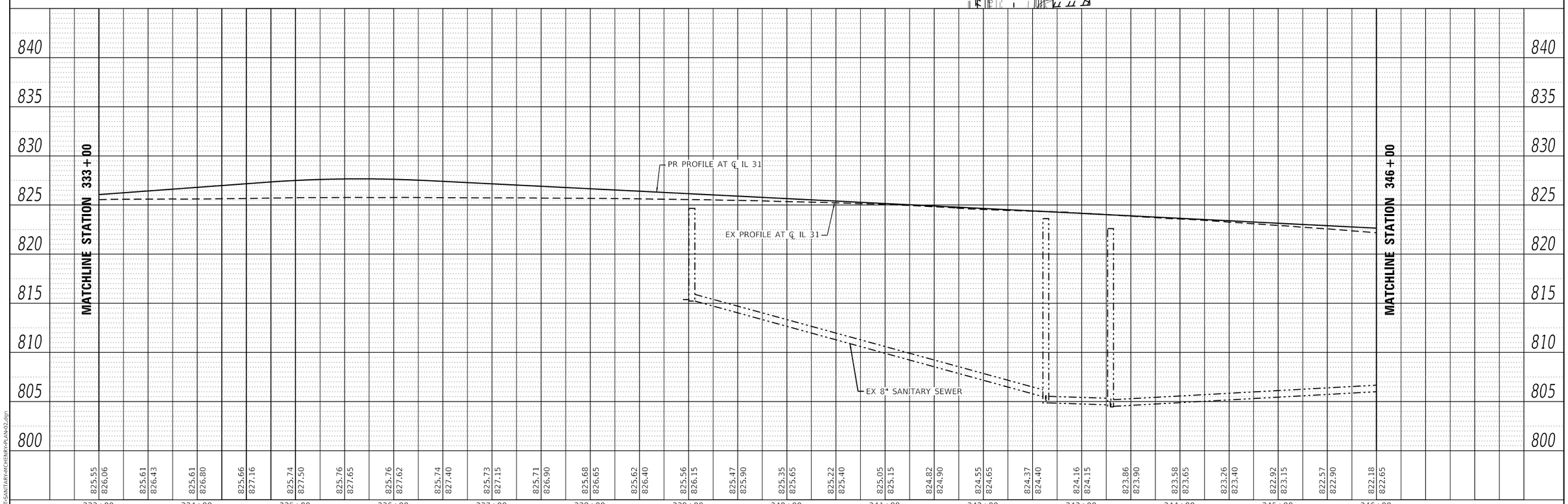
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 6 SHEETS | STA. 319+00 TO STA. 333+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	426
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





PLAN
NOTE BOOK NO.
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PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
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PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

MODEL: Default
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PATRICK a RSN company

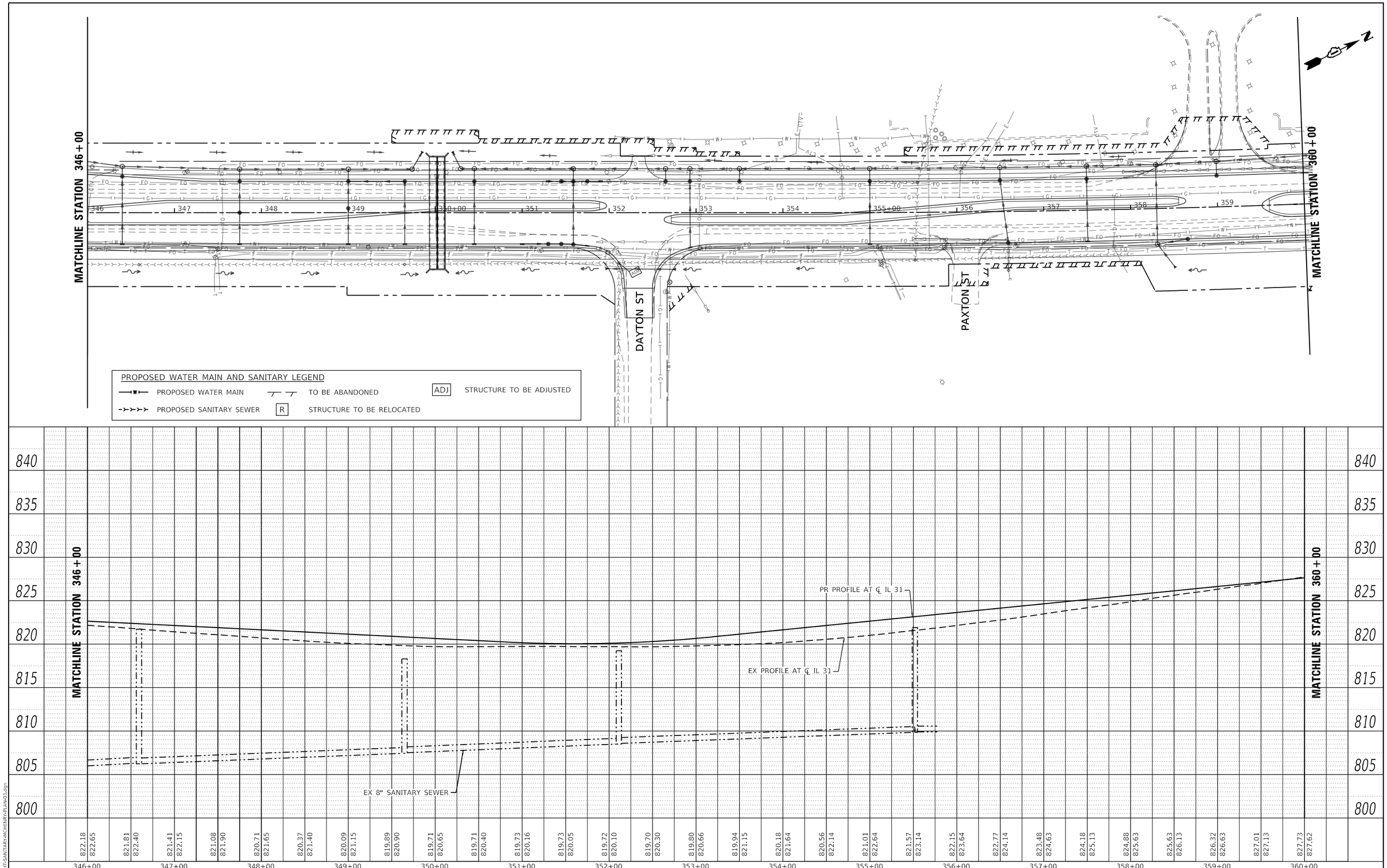
USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	
	DRAWN - CRD	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 6 SHEETS | STA. 333+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	427
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



PLAN
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PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
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PROFILE
NOTE BOOK NO.
SURVEYED
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GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

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FILE NAME: C:\SHT-SANITARY-MCHENRY-PLAN-03.dgn

PATRICK a RAM company

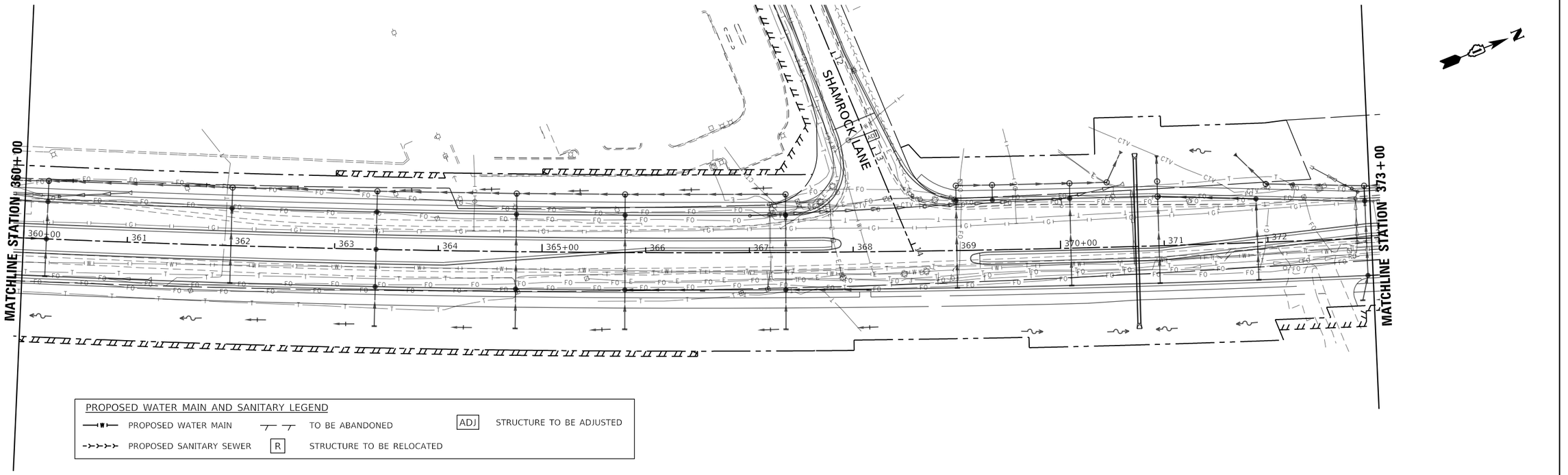
USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	
	DRAWN - CRD	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4	

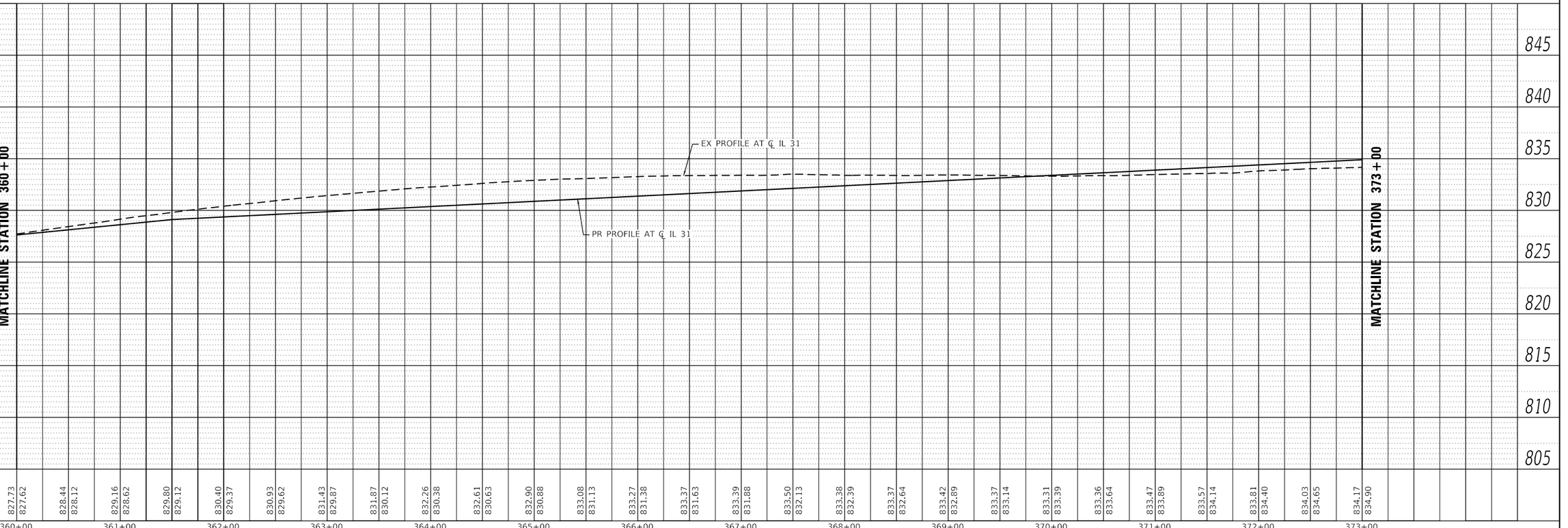
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 6 SHEETS | STA. 346+00 TO STA. 360+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	428
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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PROFILE
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GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
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PATRICK a RSN company

USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	
	DRAWN - CRD	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 6 SHEETS | STA. 360+00 TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	429
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

MATCHLINE STATION 373+00

MATCHLINE STATION 386+00

MERCY DRIVE

PROPOSED WATER MAIN AND SANITARY LEGEND

PROPOSED WATER MAIN — TO BE ABANDONED — ADJ STRUCTURE TO BE ADJUSTED

PROPOSED SANITARY SEWER — R STRUCTURE TO BE RELOCATED

PLAN
SURVEYED
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ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.: NOTED
STRUCTURE NO/PATNS CHKD
NOTE BOOK
NO.
BY
DATE

PR PROFILE AT ℄ IL 31

EX PROFILE AT ℄ IL 31

MATCHLINE STATION 373+00

MATCHLINE STATION 386+00

373+00	374+00	375+00	376+00	377+00	378+00	379+00	380+00	381+00	382+00	383+00	384+00	385+00	386+00
834.17 / 834.90	834.46 / 835.15	834.69 / 835.40	835.02 / 835.97	835.46 / 836.54	836.08 / 837.11	836.84 / 837.68	837.53 / 838.25	838.20 / 838.82	838.83 / 839.39	839.42 / 839.93	839.84 / 840.33	840.11 / 840.57	840.26 / 840.64
840.23 / 840.56	840.04 / 840.31	839.73 / 839.92	839.82 / 839.52	839.45 / 839.12	838.99 / 838.72	838.59 / 838.32	838.04 / 837.91	837.73 / 837.51	837.30 / 837.11	836.87 / 836.71	836.02	835.65	

USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CITY OF McHENRY – SANITARY RELOCATION ILLINOIS ROUTE 31	F.A.P RTE. 336A; SECTION 2019-196-W&R; COUNTY McHENRY; TOTAL SHEETS 835; SHEET NO. 430
	DRAWN - CRD	REVISED - REVBY2			CONTRACT NO. 62K69
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3		SCALE: 1"=50' SHEET 5 OF 6 SHEETS STA. 373+00 TO STA. 386+00	ILLINOIS FED. AID PROJECT
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4			

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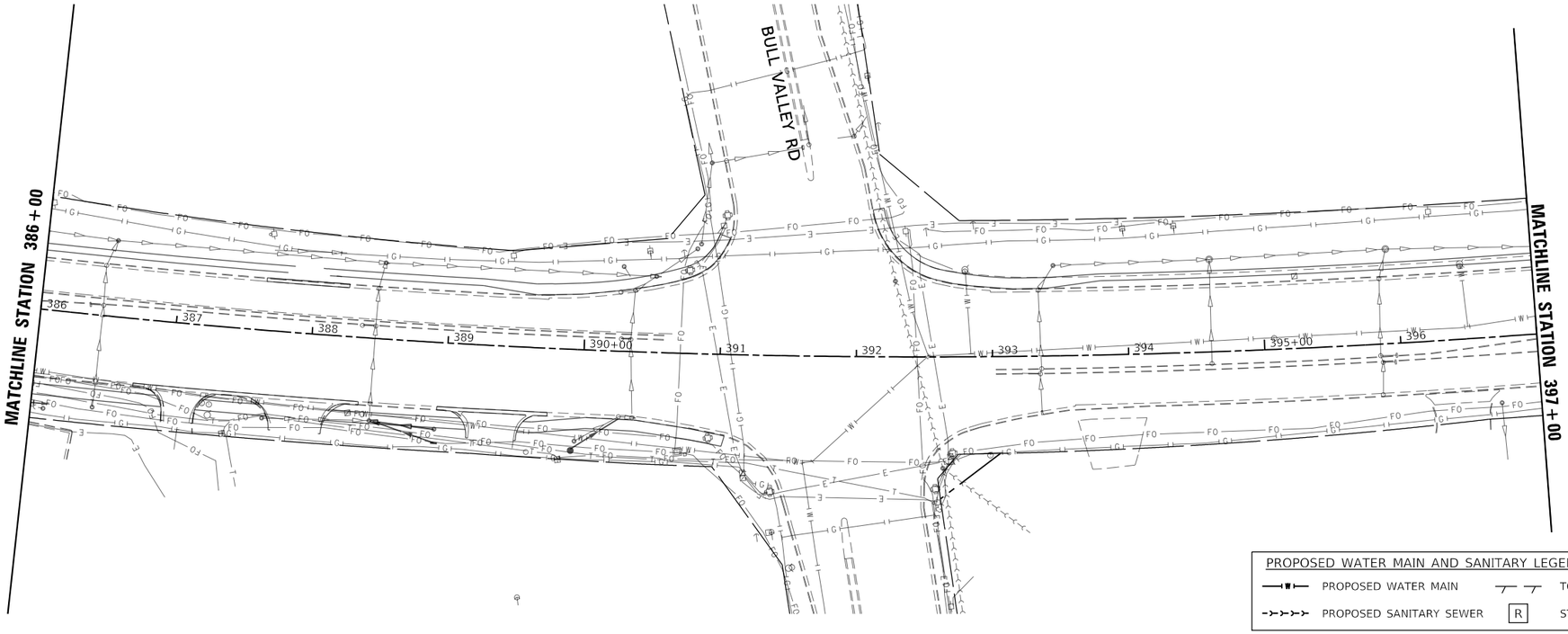
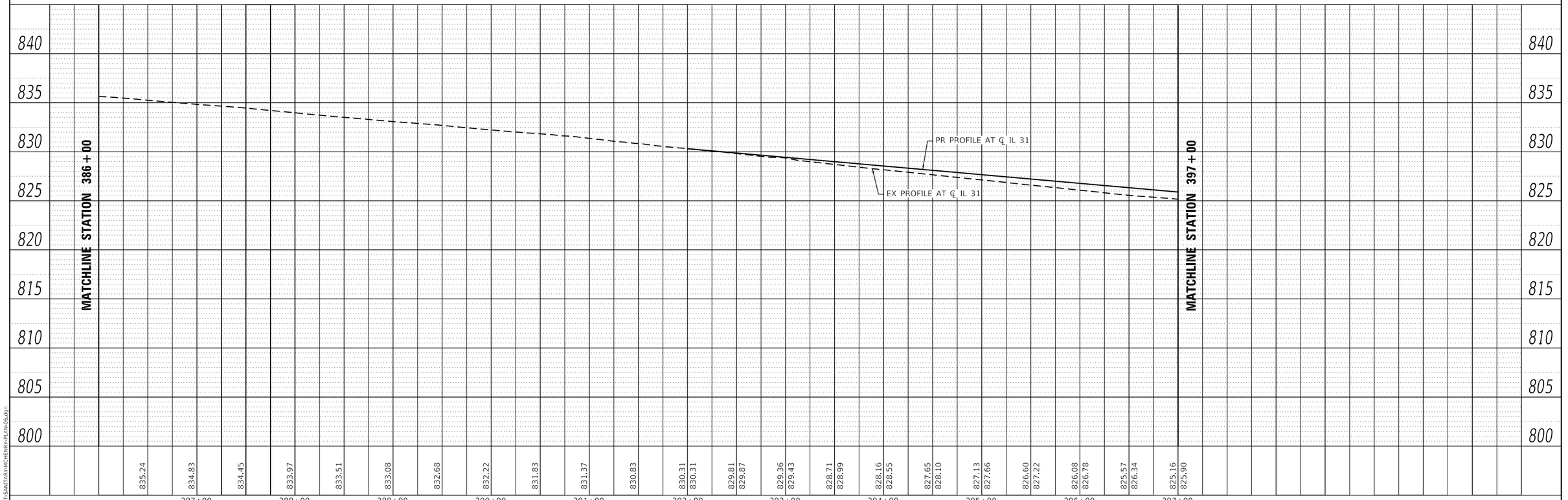


PROPOSED WATER MAIN AND SANITARY LEGEND

—W—	PROPOSED WATER MAIN	— —	TO BE ABANDONED	ADJ	STRUCTURE TO BE ADJUSTED
-><-><-	PROPOSED SANITARY SEWER	R	STRUCTURE TO BE RELOCATED		



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RT. OF WAY CHECKED
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PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
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PATRICK a RAM company

USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	
	DRAWN - CRD	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – SANITARY RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 6 SHEETS | STA. 386+00 TO STA. 397+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	431
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

OF PRAIRIE GROVE | CITY OF McHENRY

EX 6" WATERMAIN

MATCHLINE STATION 319+00

MATCHLINE STATION 333+00

S HI POINT RD

PARKWAY

VETERANS

EX 12" DIP

EX 12" PVC

319 | 320+00 | 321 | 322 | 323 | 324 | 325+00 | 326 | 327 | 328 | 329 | 330+00 | 331 | 332

PROPOSED WATER MAIN AND SANITARY LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- TO BE ABANDONED
- R — STRUCTURE TO BE RELOCATED
- ADJ — STRUCTURE TO BE ADJUSTED

PLAN
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PROFILE
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PLOTTED
GRADES CHECKED
B.M.: NOTED
STRUCTURE NoSTATNS CHKD
NOTE BOOK
NO.
BY
DATE

PR PROFILE AT ℄ IL 31

EX PROFILE AT ℄ IL 31

EX 12" WATER MAIN

840	835	830	825	820	815	810	805	800

319+00	320+00	321+00	322+00	323+00	324+00	325+00	326+00	327+00	328+00	329+00	330+00	331+00	332+00	333+00
823.56 / 825.65	823.55 / 825.87	823.52 / 825.95	823.54 / 825.87	823.62 / 825.65	823.76 / 825.40	823.91 / 825.18	824.06 / 825.10	824.20 / 825.18	824.24 / 825.40	824.31 / 825.65	824.34 / 825.90	824.45 / 826.15	824.51 / 826.40	824.57 / 826.61	824.62 / 826.63	824.71 / 826.43	824.78 / 826.03	824.84 / 825.59	824.87 / 825.16	824.92 / 824.72	825.04 / 824.33	825.14 / 824.17	825.20 / 824.26	825.21 / 824.59	825.29 / 824.95	825.36 / 825.32	825.44 / 825.69	825.55 / 826.06

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PATRICK a kci company

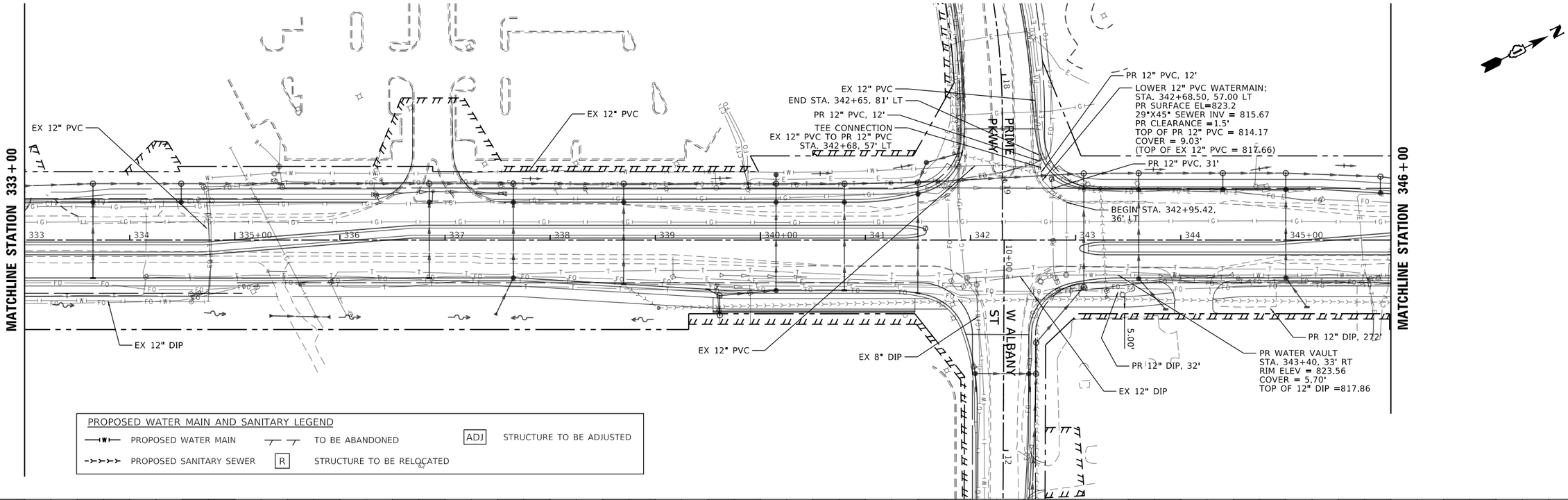
USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1
	DRAWN - CRD	REVISED - REVBY2
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – WATER MAIN RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 6 SHEETS | STA. 319+00 | TO STA. 333+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	432
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
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MODEL: Default
FILE NAME: C:\SHT-WATERMAIN-MCHENRY-PLAN-02.dgn

PATRICK a RAM company

USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	
	DRAWN - CRD	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – WATER MAIN RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 6 SHEETS | STA. 333+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	433
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STATION 346+00

MATCHLINE STATION 360+00

PR 8" DIP

PR 8" DIP, 24'

PR 12" DIP, 21'

EX 12" DIP TO BE ABANDONED, 4207'
STA. 343+40 TO STA. 385+41.70

PR 12" DIP, 643'

DAYTON ST

PR WATER VAULT
STA. 352+70, 80' RT
RIM ELEV = 819.05
COVER = 5.00'
TOP OF 12" DIP =814.05

EX 12" DIP

PR 12" DIP, 290'

PAXTON ST

PR 12" DIP, 40'

20.00'

5.00'

13.69'

5.01'

39.99'

40.32'

PROPOSED WATER MAIN AND SANITARY LEGEND

PROPOSED WATER MAIN — TO BE ABANDONED — ADJ STRUCTURE TO BE ADJUSTED

PROPOSED SANITARY SEWER — R STRUCTURE TO BE RELOCATED

PLAN
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NOTE BOOK
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DATE
BY

PR PROFILE AT ℄ IL 31

EX PROFILE AT ℄ IL 31

EX 8" NICOR

PR 18" STORM SEWER

EX 2" COMCAST
X 4" COMED
X 2" TEL

EX 2.5" AT&T

EX 2.5" AT&T

EX 2" NICOR

EX 2" AT&T

PR 12" DIP WATER MAIN

EX 8" SANITARY SEWER

840	835	830	825	820	815	810	805	800
822.18	822.65							
821.81	822.40							
821.41	822.15							
821.08	821.90							
820.71	821.65							
820.37	821.40							
820.09	821.15							
819.89	820.90							
819.71	820.65							
819.71	820.40							
819.73	820.16							
819.73	820.05							
819.72	820.10							
819.70	820.30							
819.80	820.66							
819.94	821.15							
820.18	821.64							
820.56	822.14							
821.01	822.64							
821.57	823.14							
822.15	823.64							
822.77	824.14							
823.48	824.63							
824.18	825.13							
824.88	825.63							
825.63	826.13							
826.32	826.63							
827.01	827.13							
827.73	827.62							

346+00 347+00 348+00 349+00 350+00 351+00 352+00 353+00 354+00 355+00 356+00 357+00 358+00 359+00 360+00

MODEL: Default
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PATRICK a ran company

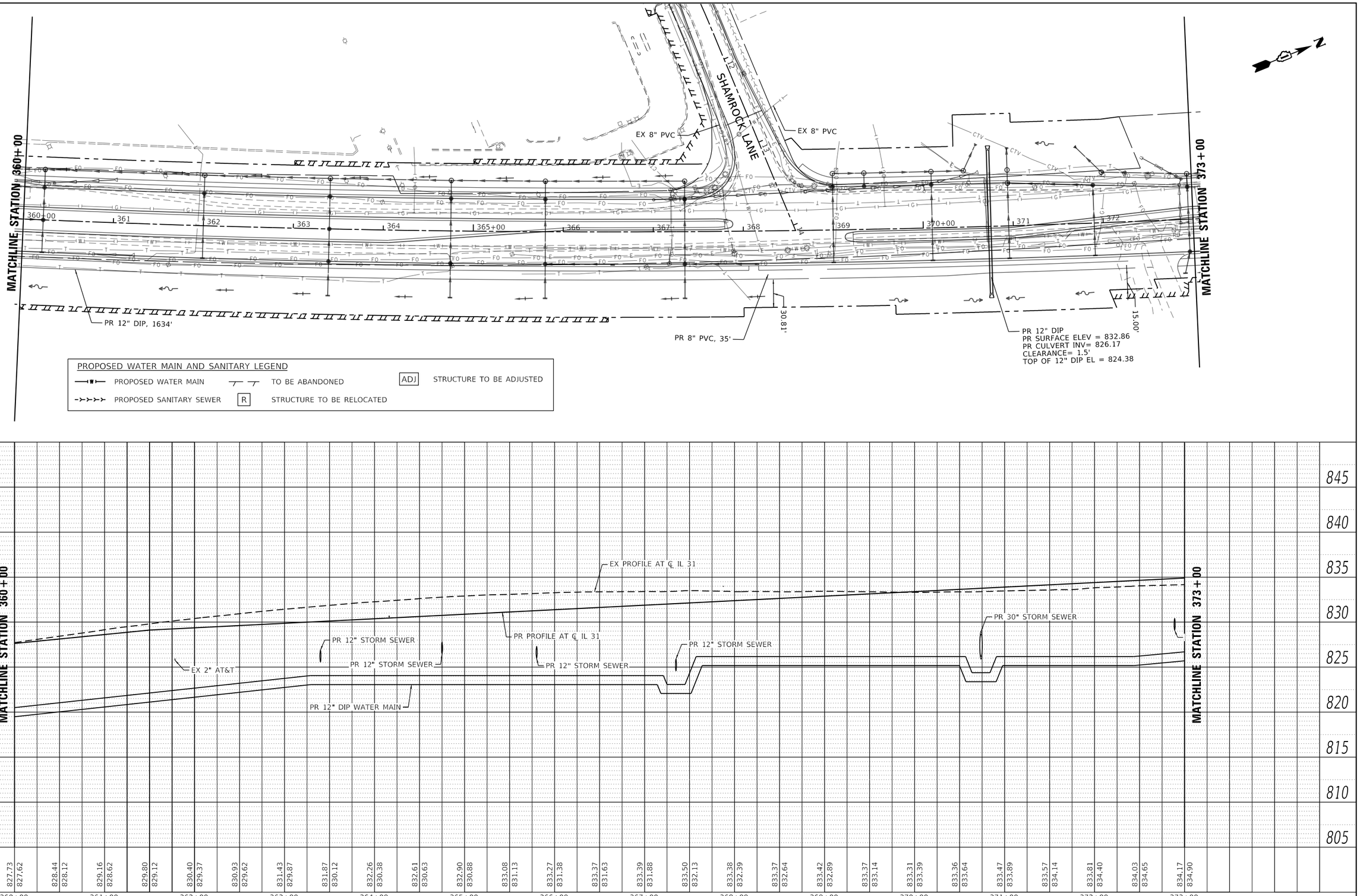
USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	
	DRAWN - CRD	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – WATER MAIN RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 6 SHEETS | STA. 346+00 | TO STA. 360+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	434
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

MODEL: Default
FILE NAME: C:\SHT-WATERMAIN\MCHENRY-PLAN-04.dgn

PATRICK a RAM company

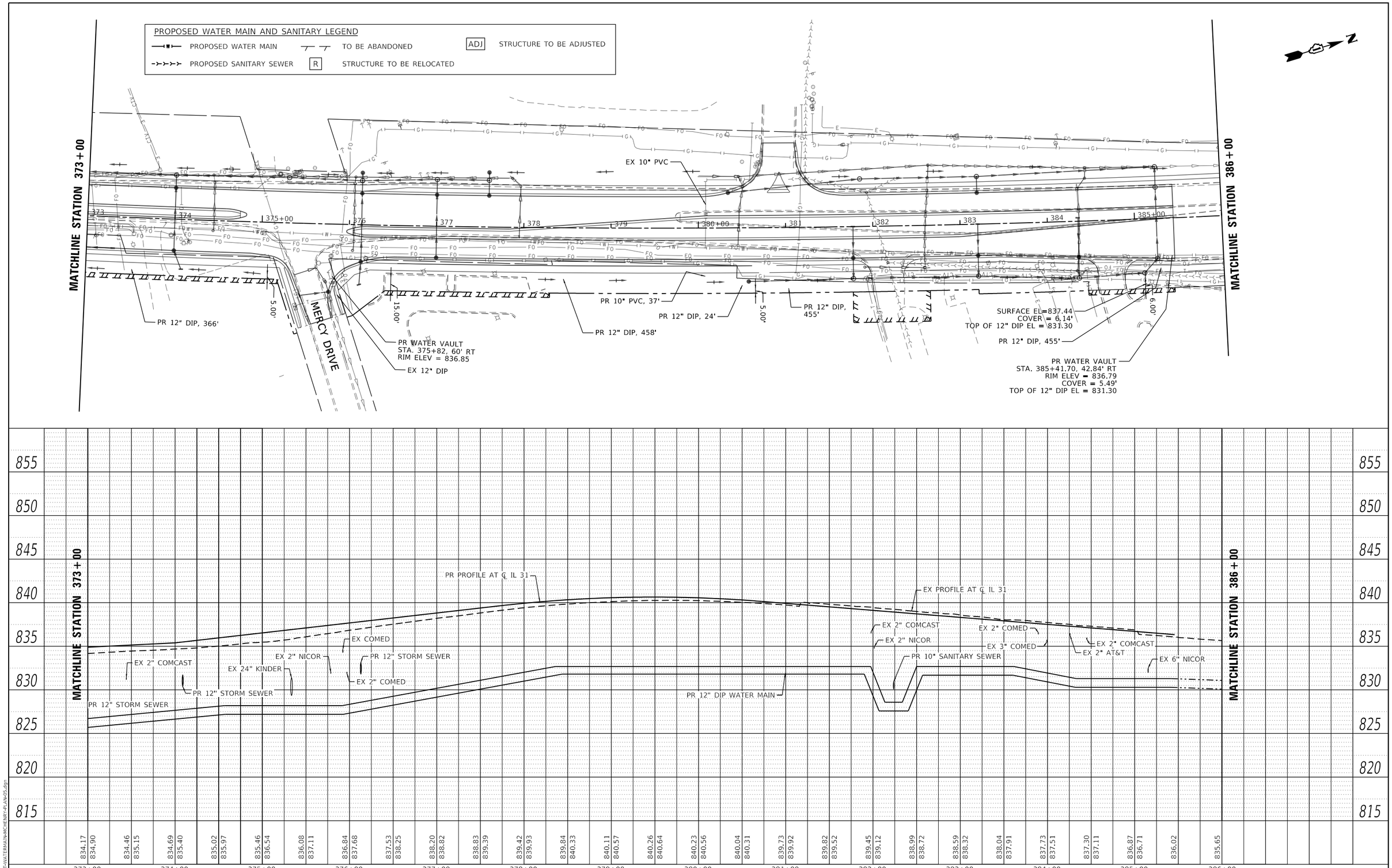
USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	
	DRAWN - CRD	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – WATER MAIN RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 6 SHEETS | STA. 360+00 TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	435
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



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PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
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DATE

MODEL: Default
FILE NAME: C:\SHT-WATERMAIN\MCHENRY-PLAN-05.dgn

PATRICK a RAM company

USER NAME = bwitort	DESIGNED - SA	REVISED - REVBY1	
	DRAWN - CRD	REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - SA	REVISED - REVBY3	
PLOT DATE = 10/4/2024	DATE - 05/30/2024	REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – WATER MAIN RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 6 SHEETS | STA. 373+00 TO STA. 386+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	436
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PLAN	
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NOTE BOOK	
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BY	DATE

MATCHLINE STATION 386+00

MATCHLINE STATION 397+00

BULL VALLEY RD

EX 12" DIP

EX 6"

EX 12" DIP

EX 12" DIP

EX 12" DIP

386 387 388 389 390+00 391 392 393 394 395+00 396

PROPOSED WATER MAIN AND SANITARY LEGEND

PROPOSED WATER MAIN — TO BE ABANDONED — ADJ STRUCTURE TO BE ADJUSTED

PROPOSED SANITARY SEWER — R STRUCTURE TO BE RELOCATED

PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK	
B.M. NOTED	
STRUCTURE NoTATNS CHKD	
NO.	

BY	DATE

840 835 830 825 820 815 810 805 800

MATCHLINE STATION 386+00

MATCHLINE STATION 397+00

EX PROFILE AT

EX 12" WATER MAIN

835.24 834.83 834.45 833.97 833.51 833.08 832.68 832.22 831.83 831.37 830.83 830.31 830.31 829.81 829.87 829.36 829.43 828.71 828.99 828.16 828.55 827.65 828.10 827.13 827.66 826.60 827.22 826.08 826.78 825.57 826.34 825.16 825.90

387+00 388+00 389+00 390+00 391+00 392+00 393+00 394+00 395+00 396+00 397+00

MODEL: Default
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USER NAME = bwitort		DESIGNED - SA		REVISED - REVBY1	
		DRAWN - CRD		REVISED - REVBY2	
PLOT SCALE = 100.0000 ' / in.		CHECKED - SA		REVISED - REVBY3	
PLOT DATE = 10/4/2024		DATE - 05/30/2024		REVISED - REVBY4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF McHENRY – WATER MAIN RELOCATION
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 6 SHEETS | STA. 386+00 | TO STA. 397+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	437
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

Accurate GROUP, INC.
WWW.ACCGI.COM
101 SCHELTER RD., SUITE B-200
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

COVER SHEET

LEGEND

AERIAL — A — A — A — A
CABLE TV — CTV — CTV — CTV — CTV
ELECTRIC — E — E — E — E
FIBER OPTIC — FO — FO — FO — FO
GAS — G — G — G —
TELEPHONE — T — T — T — T
WATER — W — W — W —
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN — UNK — UNK — UNK — UNK
PROJECT LIMITS

I, AHMEDI BEE, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY ACCURATE GROUP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

LEGEND/NOTES

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" (QL-B) UNLESS OTHERWISE NOTED. QL-B INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QL-B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO PLAN DOCUMENTS.
SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS OR BEST EFFORT TO MEASURE IN THE FIELD.

ABBREVIATIONS:

(QL-C)	DEPICTED ACCORDING TO RECORD INFORMATION AND EXISTING ASSOCIATED UTILITY STRUCTURES. NO ELECTRONIC INFORMATION WAS OBTAINED.
(QL-D)	DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.
(DATFI)	DEPICTED ACCORDING TO FIELD INSPECTION
(FO)	FIBER OPTIC
(AATUR)	ABANDONED ACCORDING TO UTILITY RECORDS
(AATFI)	ABANDONED ACCORDING TO FIELD INSPECTION
(EATFI)	EMPTY ACCORDING TO FIELD INSPECTION
(EOI)	END OF ELECTRONIC DESIGNATING INFORMATION
(EORI)	END OF UTILITY RECORD INFORMATION
(NAC)	NO ASSOCIATED CABLE FOUND FROM UTILITY STRUCTURE
(NAP)	NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURE
(ATW)	ATTACHED TO WALL
(ATB)	ATTACHED TO BRIDGE
	UTILITY ENDPOINT
ELEV.	ELEVATION
INV	INVERT OF PIPE/CULVERT
MH	MANHOLE, STORM
MHSS	MANHOLE, SANITARY SEWER
CULV	CULVERT
(UTR)	UNABLE TO REACH
(UTO)	UNABLE TO OPEN
(FOD)	FULL OF DEBRIS
(FOW)	FULL OF WATER
(PNV)	PIPE NOT VISIBLE
DEEP	PIPE IS TOO DEEP TO REACH
WVV	WATER VALVE VAULT

UNLESS OTHERWISE NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT ENDPOINTS OF UTILITIES.

UTILITY INFORMATION LABELED "QL-C" OR "QL-D" IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. ACCURATE GROUP, INC. EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.

ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATION INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. ACCURATE GROUP, INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF RELIABILITY OF ANY ELECTRONIC DEPTH READINGS.

THE BACKGROUND BASE (TOPO) AND ROADWAY ALIGNMENT SHOWN WAS PROVIDED BY IDOT.

THE ELEVATION ON ALL STORM SEWER STRUCTURES WITH BEEHIVE GRATES WERE SHOT AT THE HIGHEST POINT OF THE GRATE.

THE SANITARY AND STORM SEWER SIZES AND MATERIAL ALONG WITH STRUCTURE TYPE ARE FROM UTILITY RECORDS OR BEST EFFORT TO SEE OR MEASURE IN THE FIELD WITHOUT ENTERING THE STRUCTURE. SANITARY AND STORM LINES ARE DEPICTED AS QL-C UNLESS OTHERWISE INDICATED. THE PIPES WERE NOT RODDED BETWEEN STRUCTURES AND THEREFORE WHERE THE CONNECTIVITY IS SHOWN IS BASED ON BEST EFFORT IN THE FIELD AND RECORDS. THE PIPE CONNECTIVITY BETWEEN STRUCTURES IS NOT SHOWN WHERE WE WERE UNABLE TO SEE THE PIPES DUE TO THE STRUCTURE BEING INUNDATED WITH WATER, OFFSET OF PIPES AND OUT OF VIEW OR FULL OF SILT OR DEBRIS.

UTILITY SHOWN FOR ADDENDUM 1&2 ON THESE PLANS ON DEPICTED IN PLANS HAVE BEEN INVESTIGATED BY AGI IN ACCORDANCE WITH SUE INDUSTRY STANDARDS AGI' SUE FIELD INVESTIGATION WAS PERFORMED ON 09/21/2023 AND 06/06/2024

1 2

UTILITY OWNERS

ATT METRO / AT&T TCA
ATTN: BOBBY AKHTER
BA3817@ATT.COM
ATT - DISTRIBUTION
ATTN: JANET C. AHERN
G11629@ATT.COM

COMCAST
ATTN: MARTHA GIERAS
MARTHA GIERAS@CABLE.COMCAST.COM
224-229-5862
BOB SCHULTER
BOB SCHULTER@COMCAST.COM

COMED
DESIGN STAGE LOCATE LINE
PLANSUBMITTALSANDMAPREQUESTS@EXELONCORP.COM
866-639-3532
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VINCENT.MAZZAFERROPE@COMED.COM
779-231-1027
TIM TAMASON
TIMOTHY.TAMASON@COMED.COM

NICOR GAS
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CPARROTT@SOUTHERNCO.COM
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GASMAPS@AGLRESOURCES.COM
SAKIBUL FORAH
SFORAH@SOUTHERNCO.COM
630-388-2903

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ATTN: CHRIS BOWER
CBOWER@EVERSTREAM.NET
JEFIN STEPHEN
JSTEPHEN@EVERSTREAM.NET
216-402-1829

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ATTN: TOM ANTHONY
TRANTHONY@MCHENRYCOUNTYIL.GOV
815-334-4988

CITY OF MCHENRY
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SWIRCH@CITYOFMCHENRY.ORG
TROY STRANGE
TSTRANGE@CITYOFMCHENRY.ORG
815-363-2186

ADESTA G4S
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ANDREW.TATE@AUS.COM
331-246-3123

NATURAL GAS / KINDER MORGAN
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KMENCROACHMENTSCENTRAL@KINDERMORGAN.COM
713-420-4363

CITY OF CRYSTAL LAKE
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AWILGREEN@CRYSTALLAKE.ORG
815-356-3605

IL AMERICAN WATER
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CHARLES.SCHAEFER@AMWATER.COM
EDWARD BOWLBY
EDWARD.BOWLBY@AMWATER.COM

ENBRIDGE ENERGY PARTNERS LP
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LISA.DEPEW@ENBRIDGE.COM
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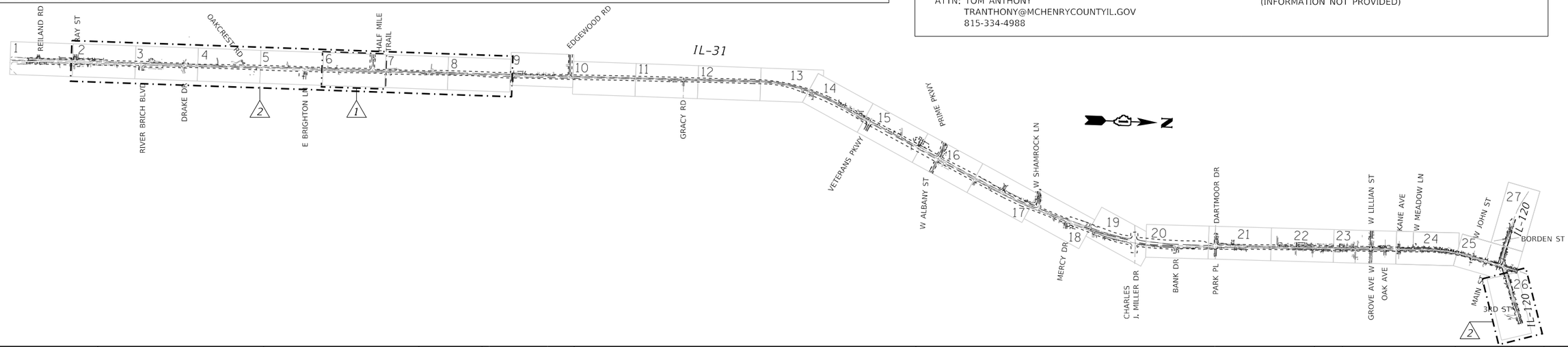
ATTN: ZEMENU BEJIGA
ZBEJIGA@ASGINC.US
630-675-3794
INVESTIGATIONS TEAM
ASG.INVESTIGATIONSTEAM@ASGINC.US
INVESTIGATIONS@VERIZON.COM

USIC LOCATING SERVICES
(INFORMATION NOT PROVIDED)



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Accurate GROUP, INC.	USER NAME = akoller	DESIGNATED - LP/GM	REVISED - 1 09/27/2023 AB	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUBSURFACE UTILITY ENGINEERING STUDY IL 31 FROM IL 176 TO IL 120
		DRAFTED - MA/JP	REVISED - 2 06/25/2024 AB		
		CHECKED - AB	REVISED -		
	PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	438
		PROJECT NO.	62K69	
	ILLINOIS FED. AID PROJECT			

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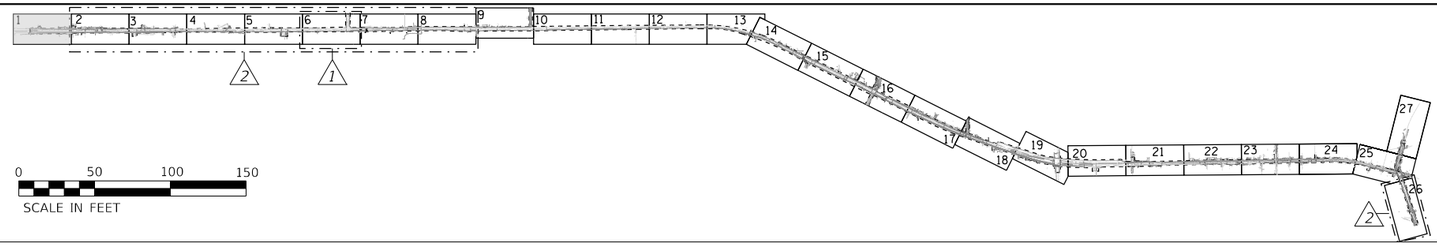
T (847) 613-1100 F (847) 613-1105

ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

1



I, AHMEDI BEE, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY ACCURATE GROUP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 05/12/2023

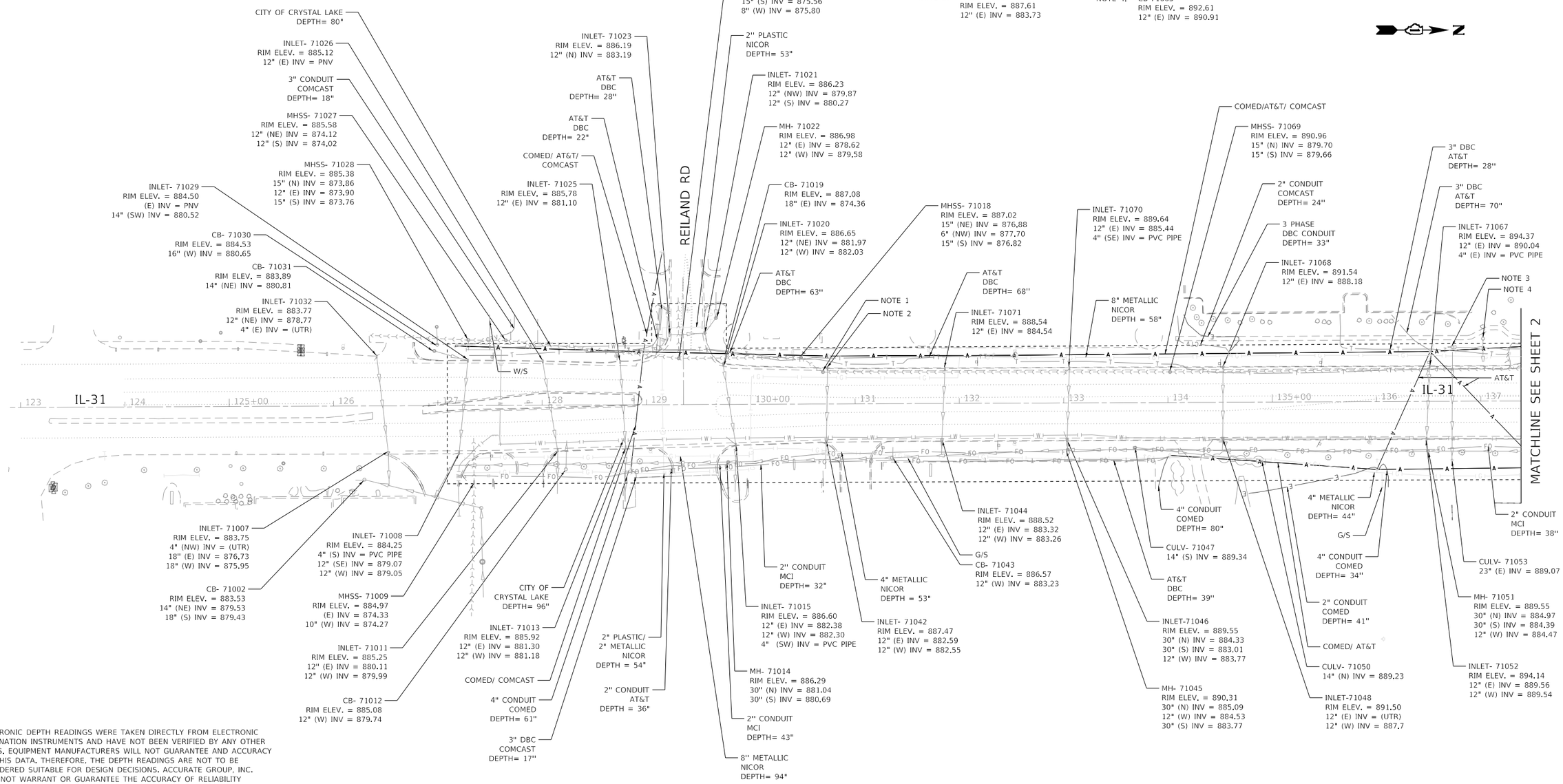
AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

NOTE 1: MHSS- 71016
RIM ELEV. = 887.63
15" (N) INV = 877.61
15" (SW) INV = 877.17

NOTE 2: INLET- 71017
RIM ELEV. = 887.61
12" (E) INV = 883.73

NOTE 3: CB-71066
RIM ELEV. = 893.72
24" (N) INV = 889.84
24" (E) INV = 889.80

NOTE 4: CB-71065
RIM ELEV. = 892.61
12" (E) INV = 890.91



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Accurate GROUP, INC.

USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 1 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	439
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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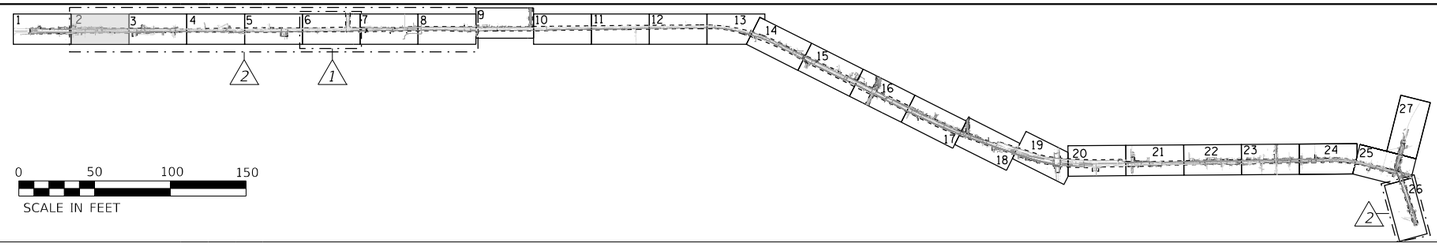
LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

2



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DATE: 05/12/2023

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PROJECT ENGINEER; ACCURATE GROUP, INC.

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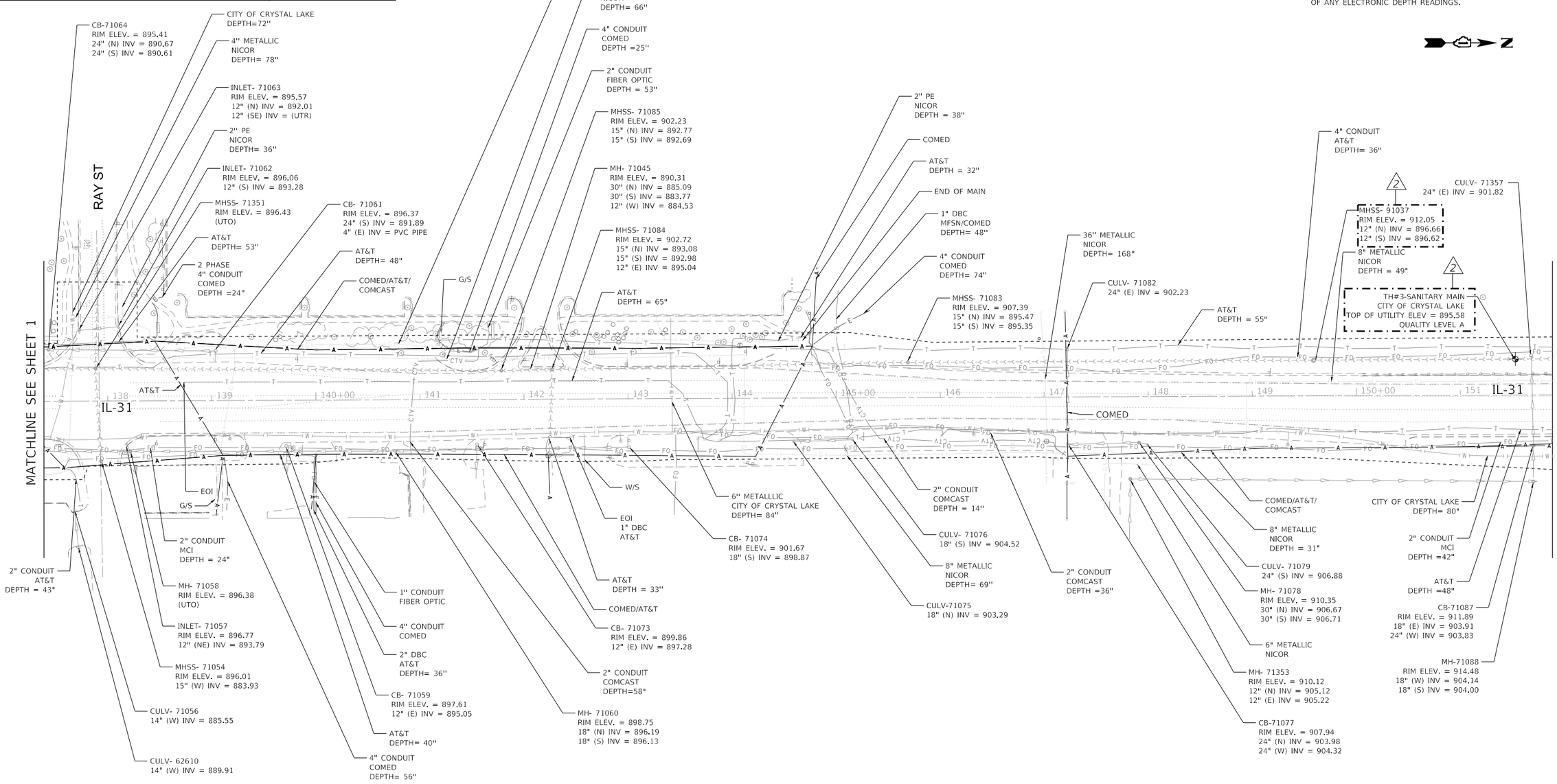

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Accurate GROUP, INC.	USER NAME = akoller	DESIGNED - LP/GM	REVISED - 2 06/25/2024 AB	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SUBSURFACE UTILITY ENGINEERING STUDY IL 31 FROM IL 176 TO IL 120**
		DRAFTED - MA/JP	REVISED -		
		CHECKED - AB	REVISED -		SCALE: SHEET 2 OF 27 SHEETS STA. TO STA.
	PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	440
		PROJECT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

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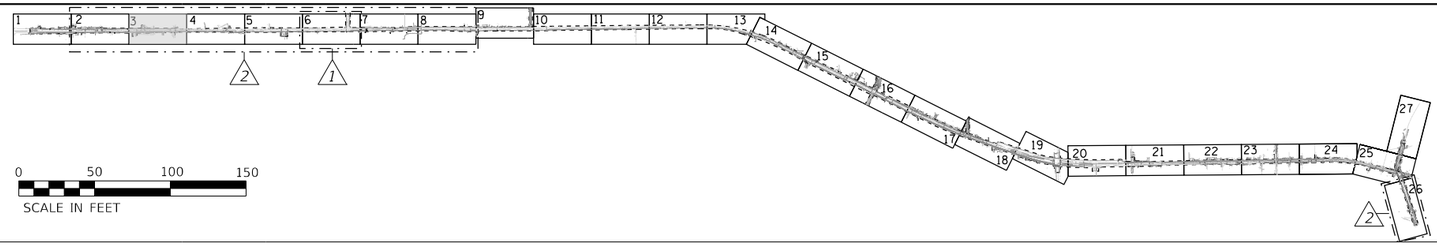
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

3



AHMEDI BEE
062-072692
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

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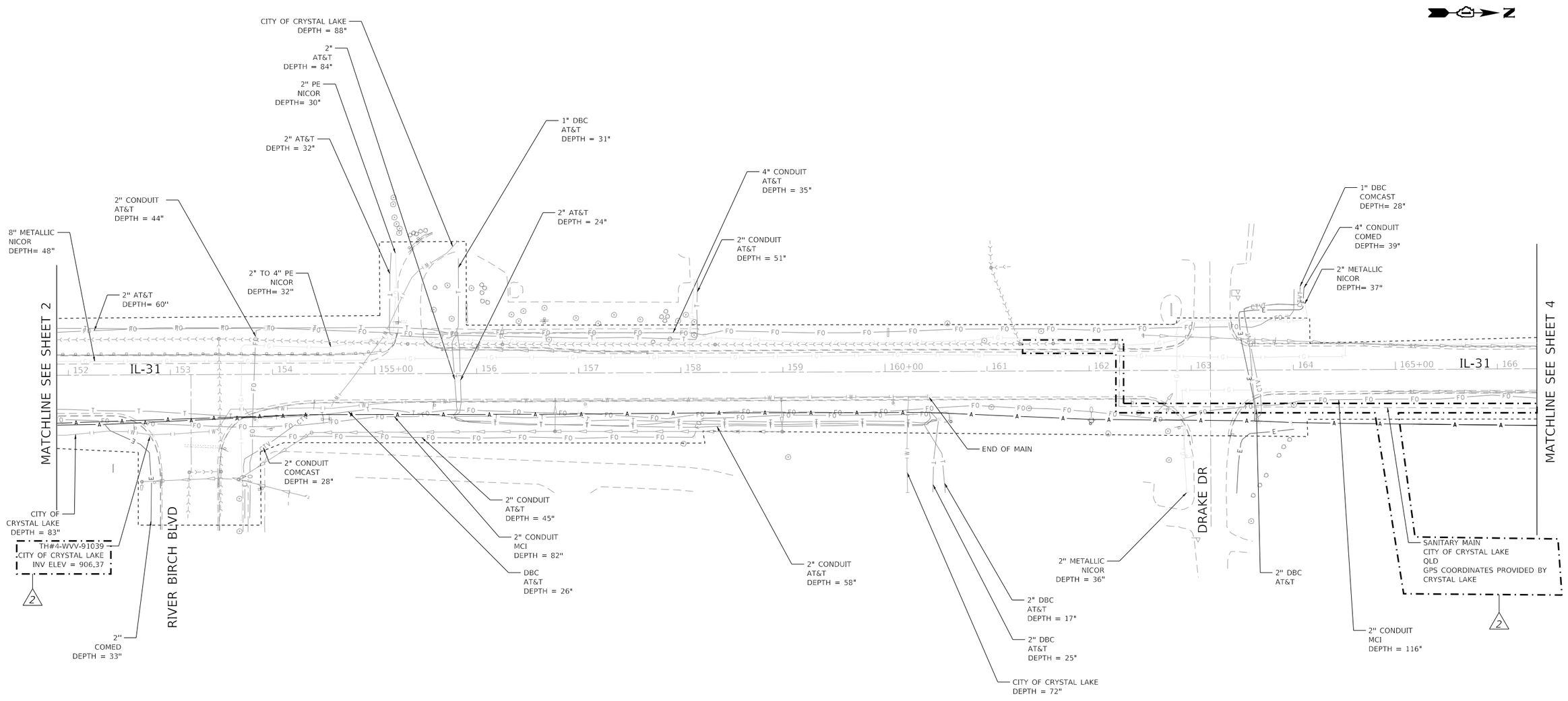
DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.



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Accurate GROUP, INC.

USER NAME = akoller	DESIGNATED - LP/GM	REVISED - 2 06/25/2024 AB
	DRAFTED - MA/JP	REVISED -
	CHECKED - AB	REVISED -
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 3 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	441
		PROJECT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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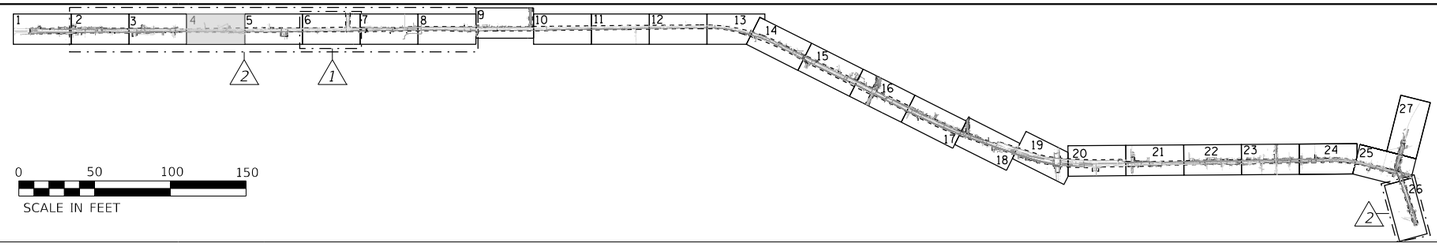
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL	A
CABLE TV	CTV
ELECTRIC	E
FIBER OPTIC	FO
GAS	G
TELEPHONE	T
WATER	W
SANITARY MAIN	
STORM SEWER	
QUALITY LEVEL D	
UNKNOWN	UNK
PROJECT LIMITS	

4



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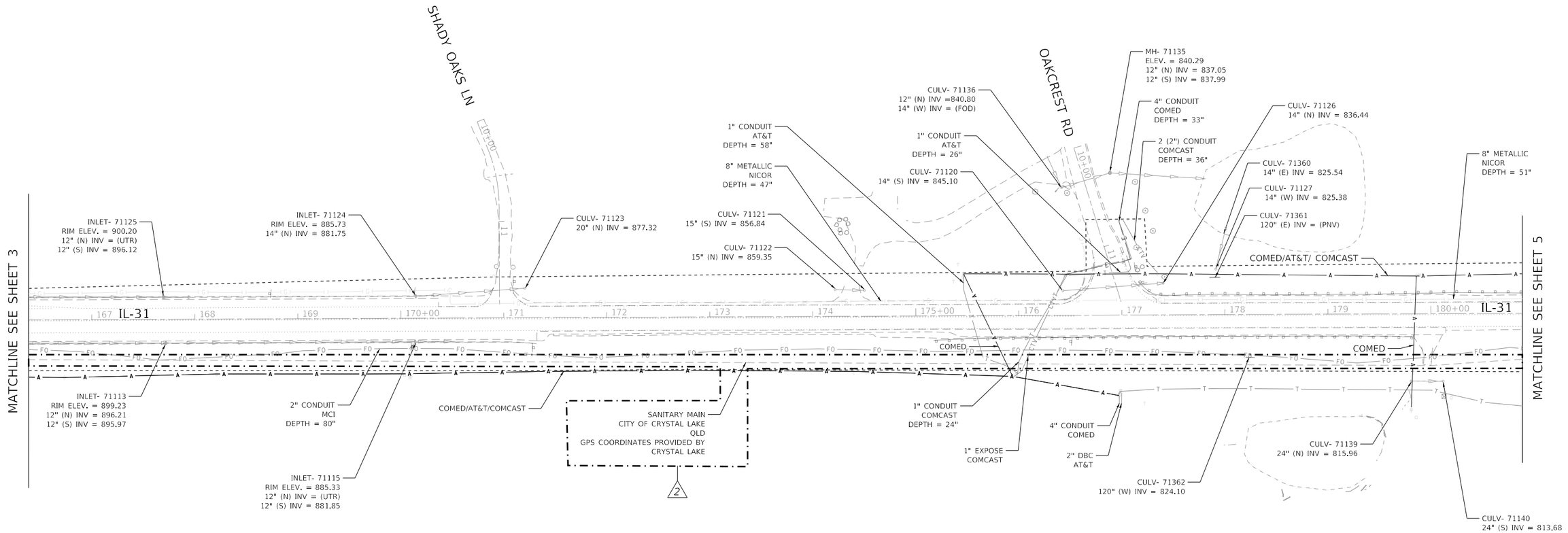

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USER NAME = akoller	DESIGNATED - LP/GM	REVISED - 2 06/25/2024 AB	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

Accurate GROUP, INC.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 4 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	442
		PROJECT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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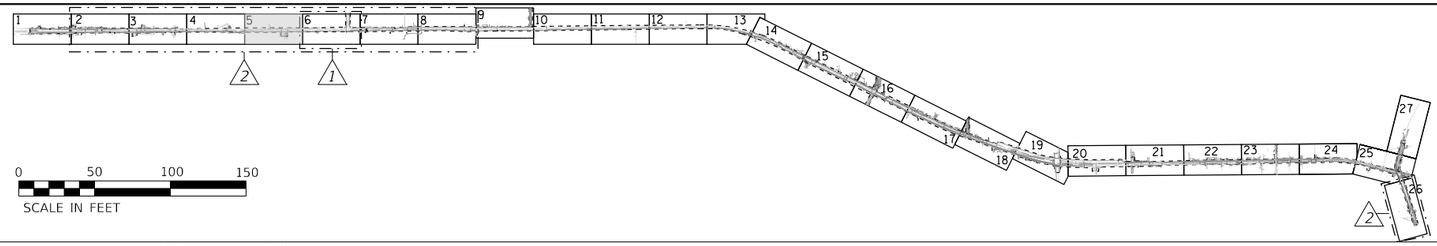
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

- AERIAL
- CABLE TV
- ELECTRIC
- FIBER OPTIC
- GAS
- TELEPHONE
- WATER
- SANITARY MAIN
- STORM SEWER
- QUALITY LEVEL D
- UNKNOWN
- PROJECT LIMITS

5



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LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

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DATE: 05/12/2023

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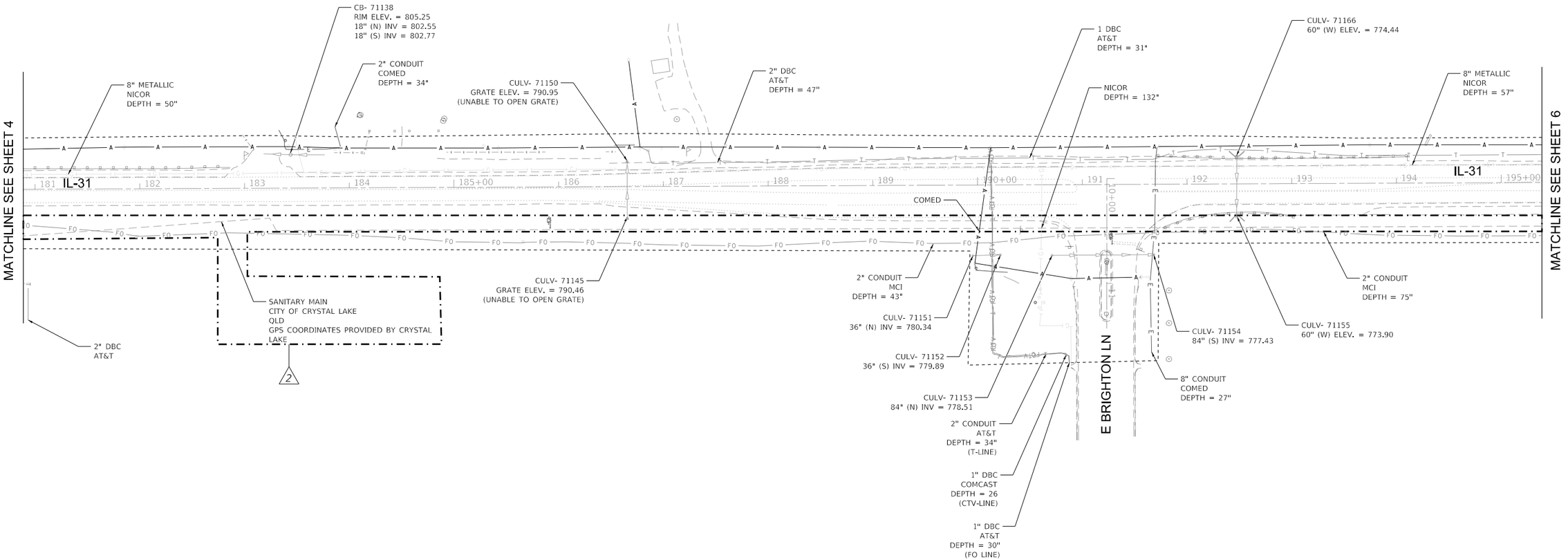

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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
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ELECTRIC
FIBER OPTIC
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TELEPHONE
WATER
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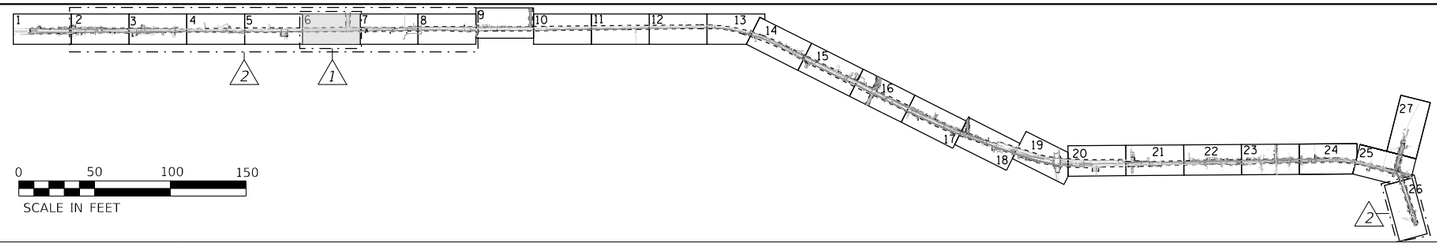
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

6



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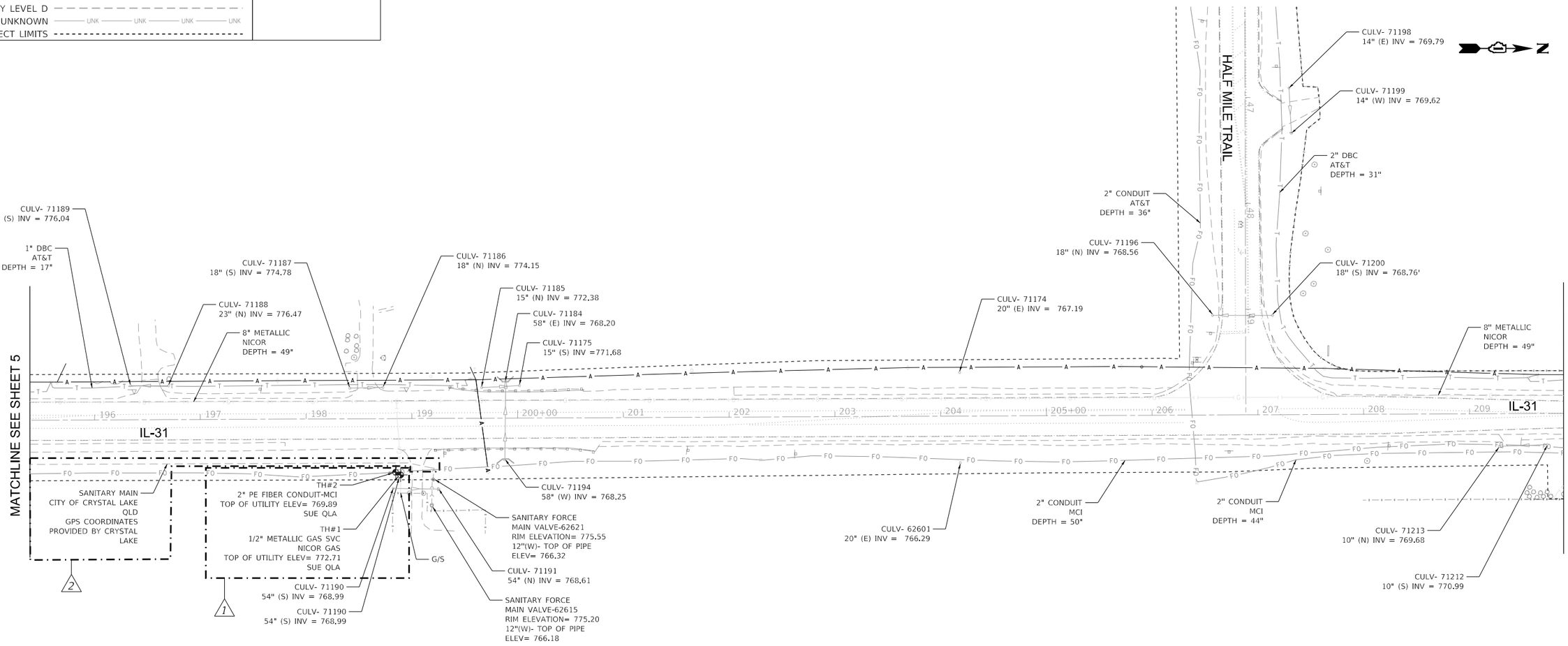

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UTILITIES SHOWN IN BLUE COLOR ON THESE PLANS AS DEPICTED IN THE LEGEND HAS BEEN INVESTIGATED BY AGI FOR QLA'S IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. AGI QLA'S INVESTIGATION WAS PERFOMRED ON 09/18/2023. (1)

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Accurate GROUP, INC.

USER NAME = akoller
PLOT DATE = 6/25/2024
DESIGNATED - LP/GM
DRAFTED - MA/JP
CHECKED - AB
DATE - 05/12/2023
REVISED - (1) 09/27/2023 AB
REVISED - (2) 06/25/2024 AB
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: SHEET 6 OF 27 SHEETS STA. TO STA.

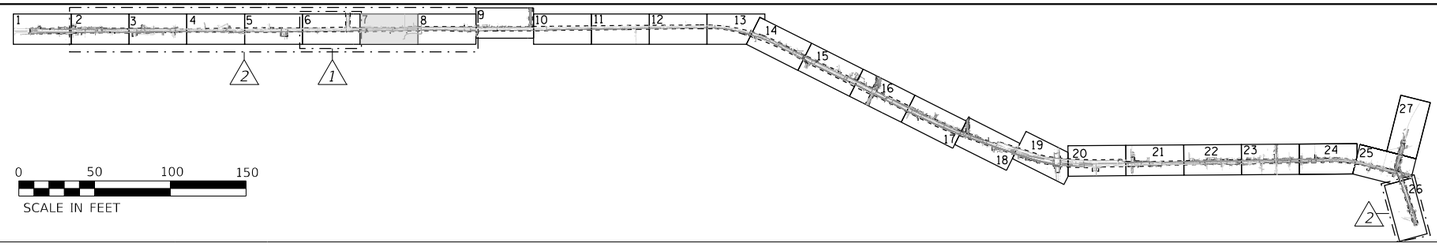
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	444
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

Accurate GROUP, INC.
WWW.ACCGI.COM
101 SCHELTER RD., SUITE B-200
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

7

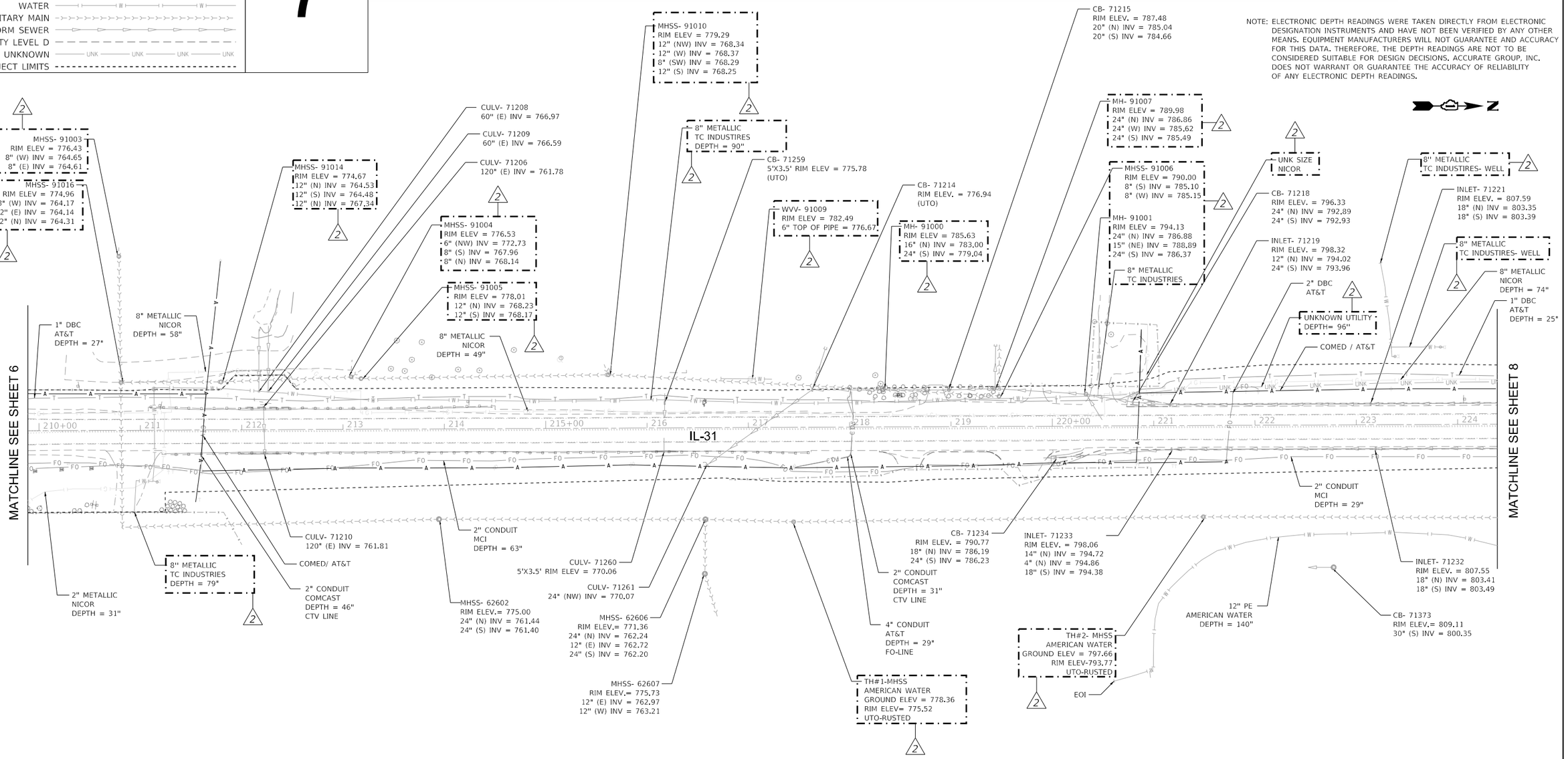


I, AHMEDI BEE, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY ACCURATE GROUP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

NOTE: ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATION INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS, ACCURATE GROUP, INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OR RELIABILITY OF ANY ELECTRONIC DEPTH READINGS.



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	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 7 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	445
		PROJECT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

Accurate
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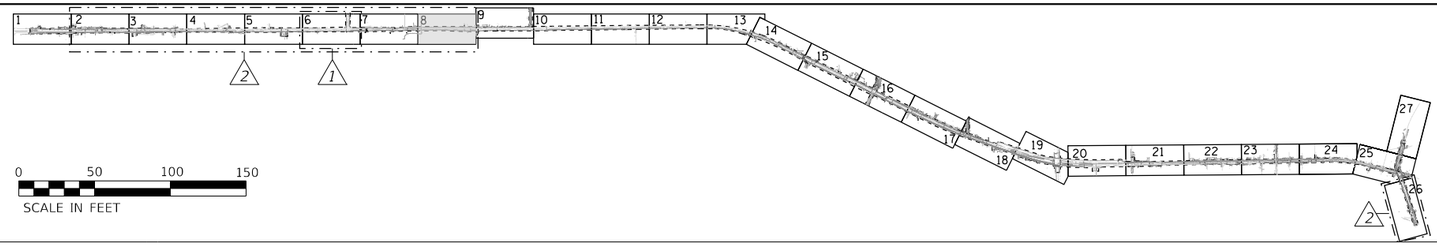
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

- AERIAL
- CABLE TV
- ELECTRIC
- FIBER OPTIC
- GAS
- TELEPHONE
- WATER
- SANITARY MAIN
- STORM SEWER
- QUALITY LEVEL D
- UNKNOWN
- PROJECT LIMITS

8



AHMEDI BEE
062-072692
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

I, AHMEDI BEE, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY ACCURATE GROUP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

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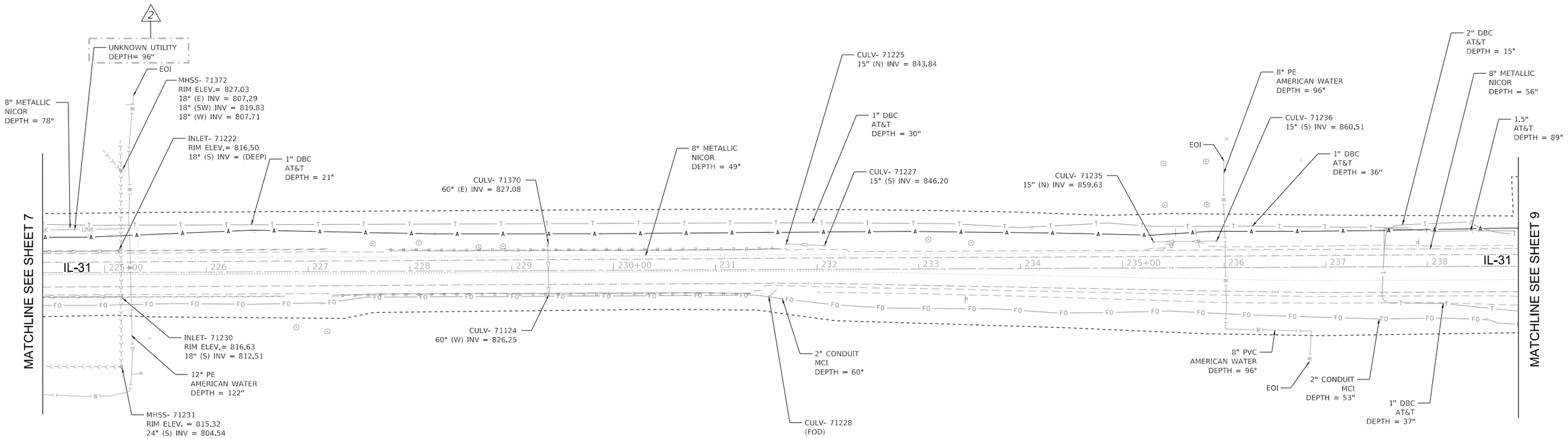

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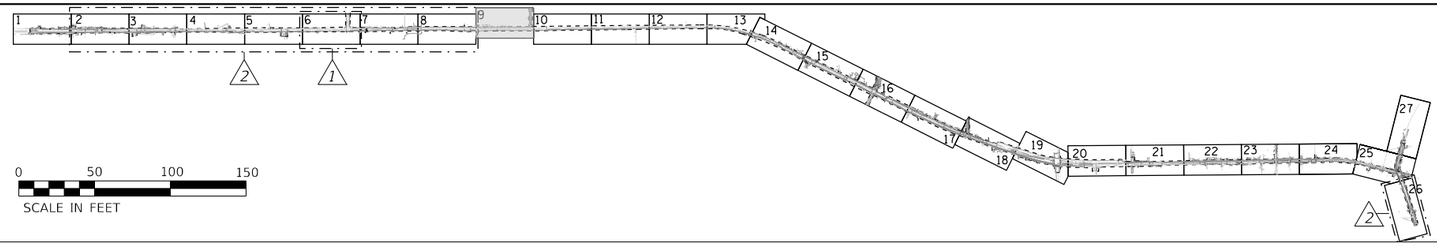
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

- AERIAL — A
- CABLE TV — CTV
- ELECTRIC — E
- FIBER OPTIC — FO
- GAS — G
- TELEPHONE — T
- WATER — W
- SANITARY MAIN
- STORM SEWER
- QUALITY LEVEL D
- UNKNOWN — UNK
- PROJECT LIMITS

9



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AHMEDI BEE, 062-072692, LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

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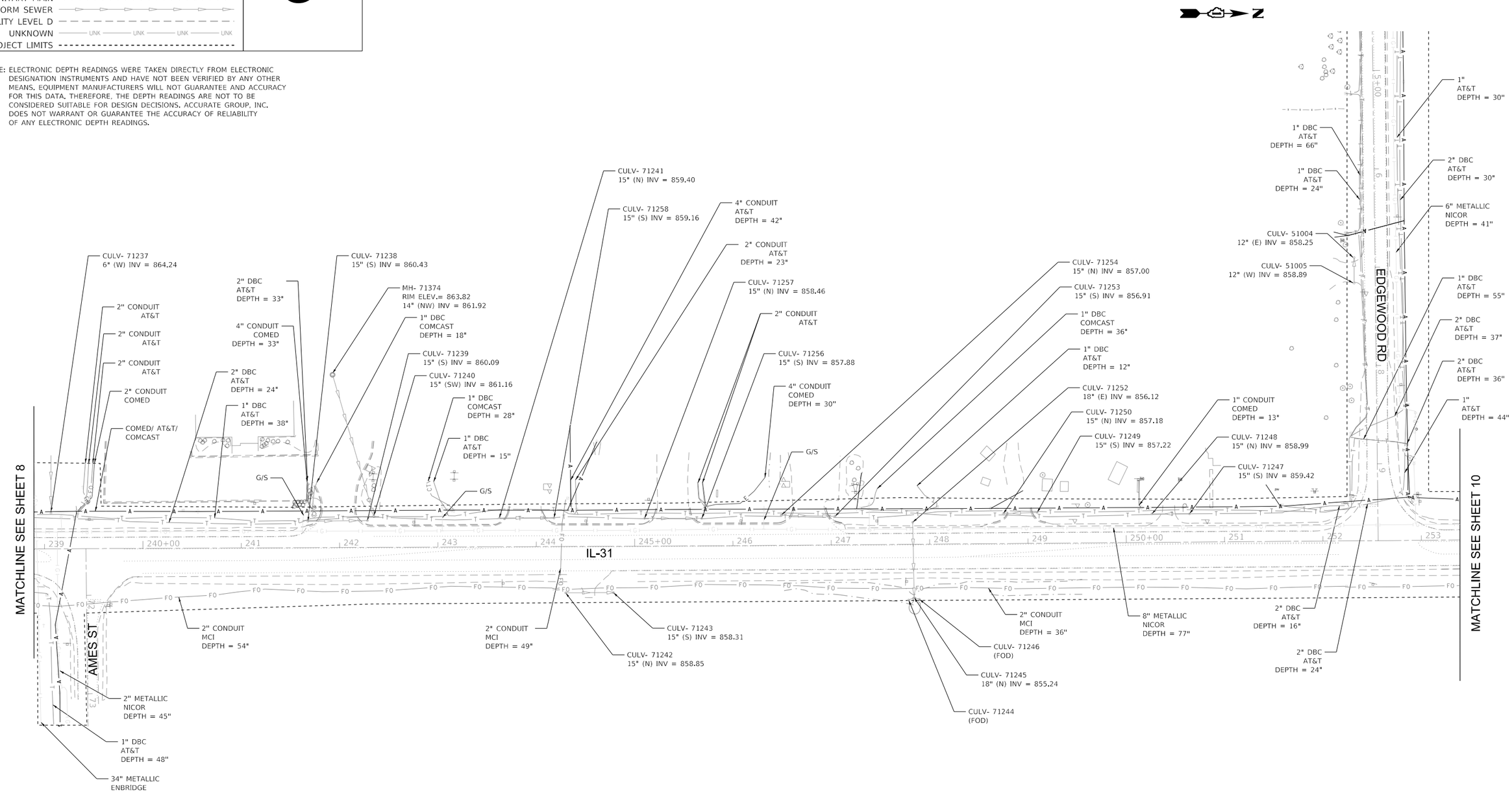

Accurate GROUP, INC.	USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SUBSURFACE UTILITY ENGINEERING STUDY IL 31 FROM IL 176 TO IL 120**
		DRAFTED - MA/JP	REVISED -		
		CHECKED - AB	REVISED -		SCALE: SHEET 9 OF 27 SHEETS STA. TO STA.
	PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	447
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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LINCOLNSHIRE, ILLINOIS 60069
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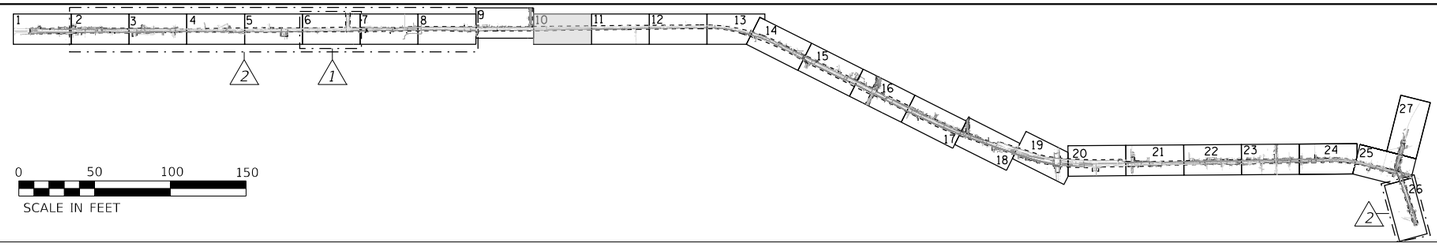
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

10



062-072692
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
AHMEDI BEE

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DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

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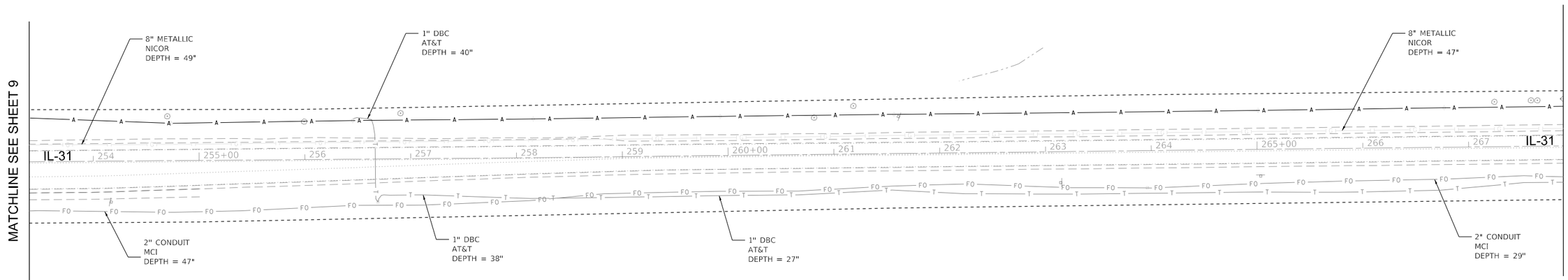

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Accurate GROUP, INC.	USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAFTED - MA/JP	REVISED -	
		CHECKED - AB	REVISED -	
	PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 10 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	448
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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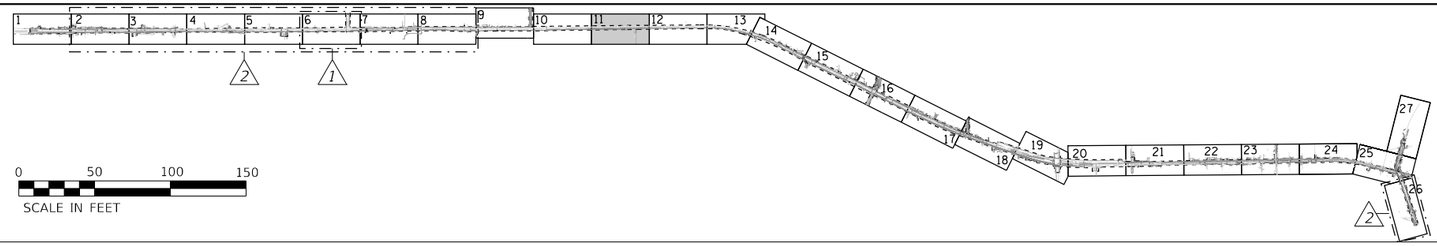
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

11



062-072692
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
AHMEDI BEE

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DATE: 05/12/2023

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PROJECT ENGINEER; ACCURATE GROUP, INC.

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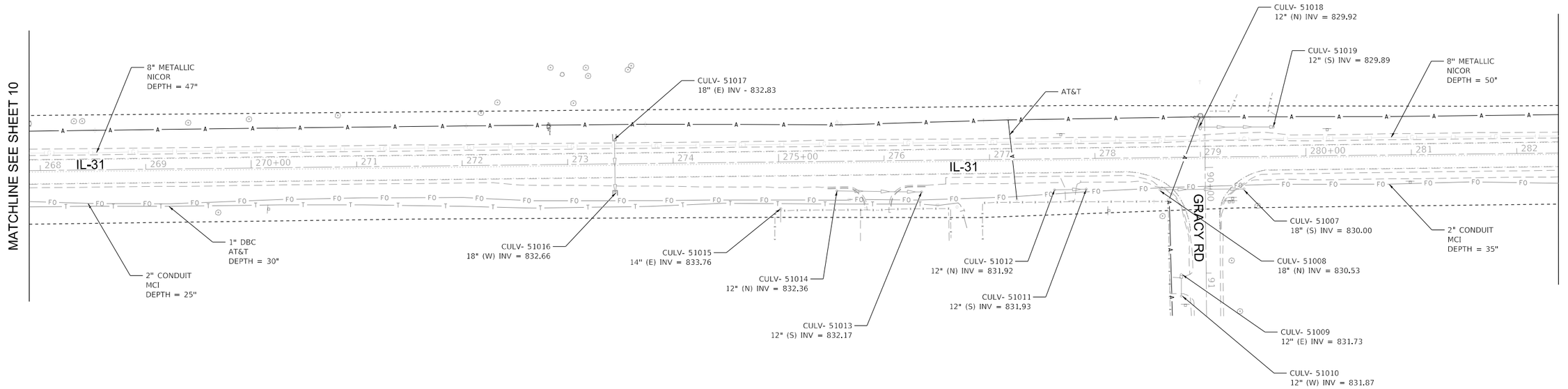

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USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 11 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	449
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

Accurate
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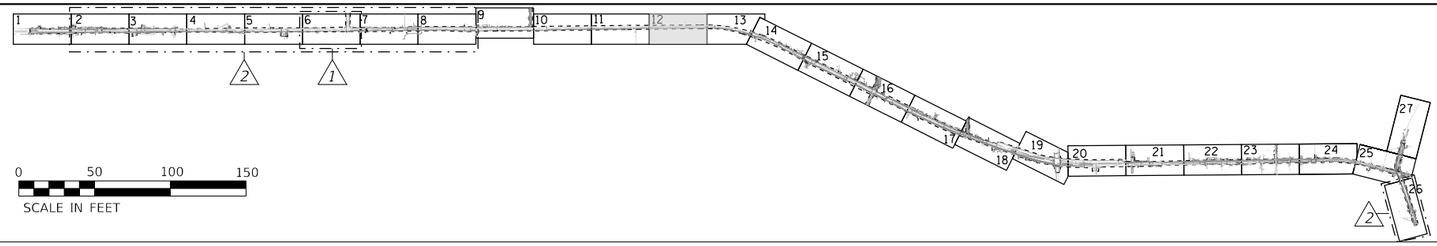
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

12



062-072692 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

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DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

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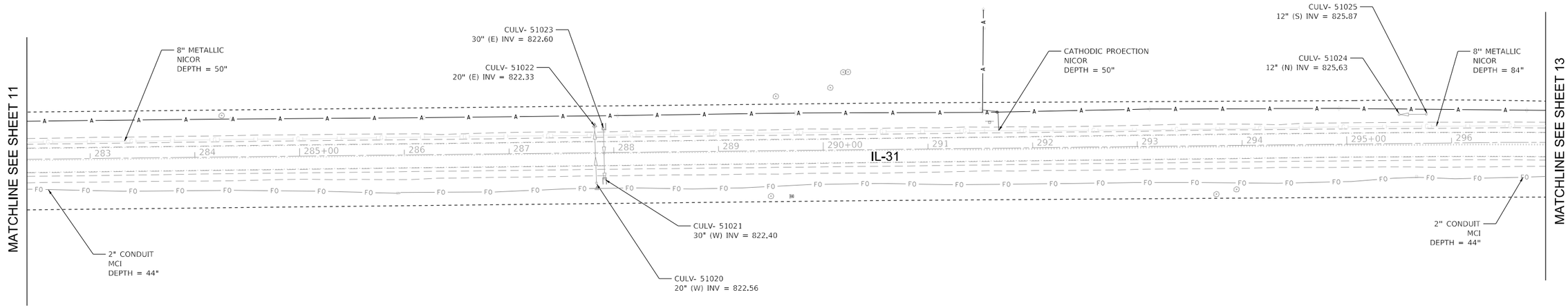

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	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 12 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	450
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

Accurate
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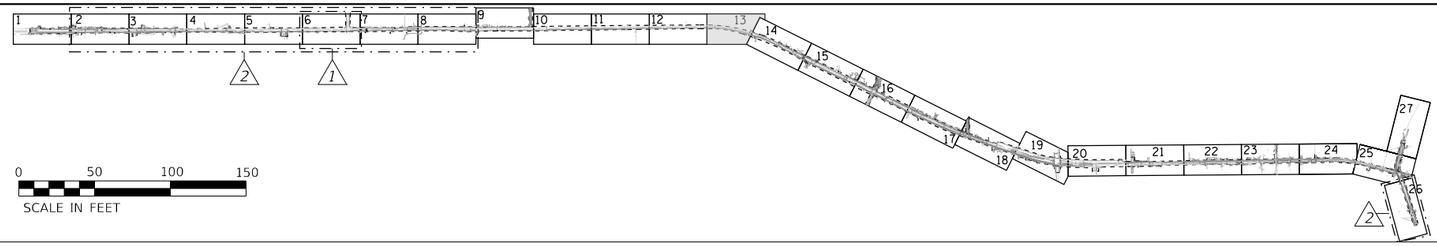
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

13



062-072692 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

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DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

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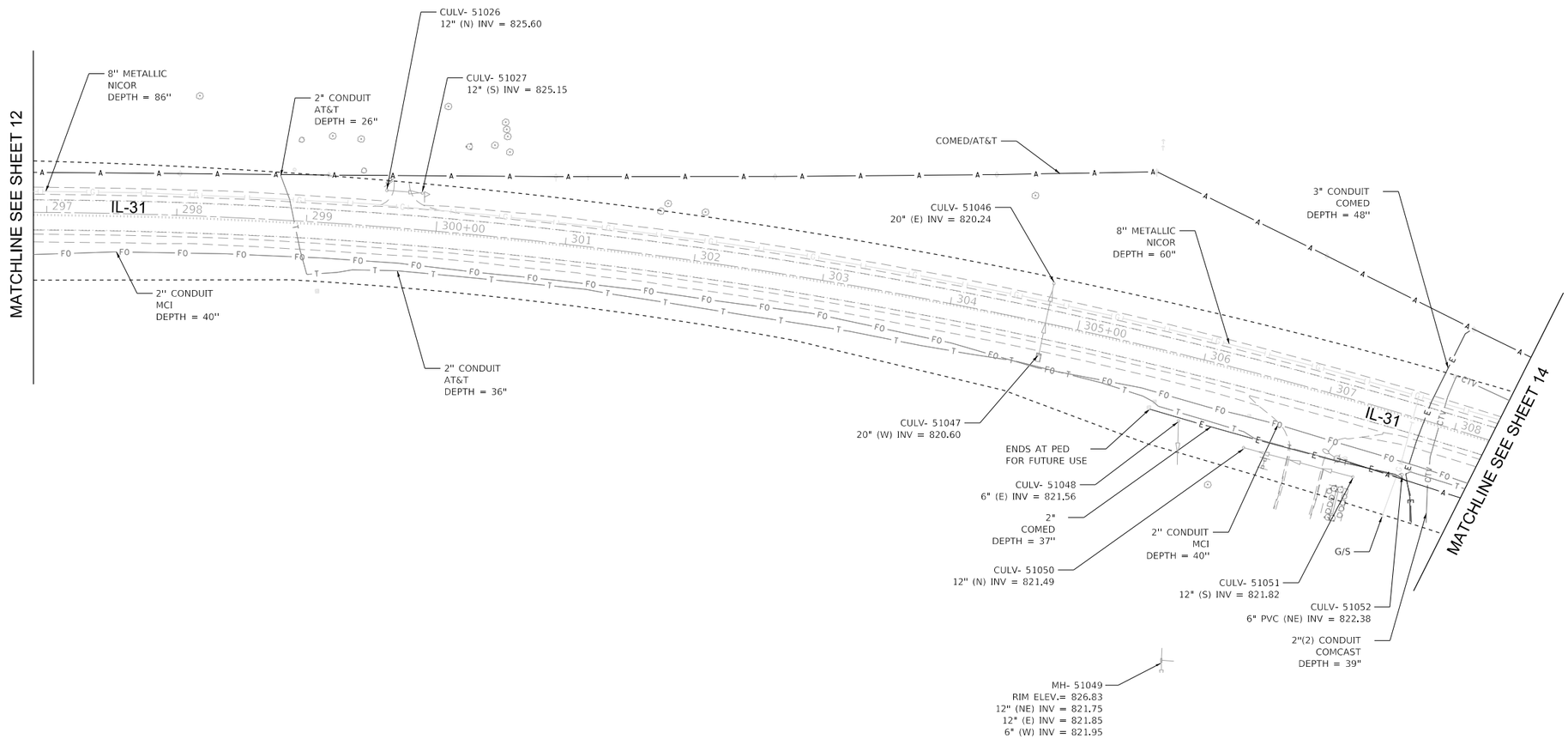

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Accurate GROUP, INC.	USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SUBSURFACE UTILITY ENGINEERING STUDY IL 31 FROM IL 176 TO IL 120**
		DRAFTED - MA/JP	REVISED -		
		CHECKED - AB	REVISED -		
	PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -		SCALE: SHEET 13 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	451
		PROJECT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

Accurate
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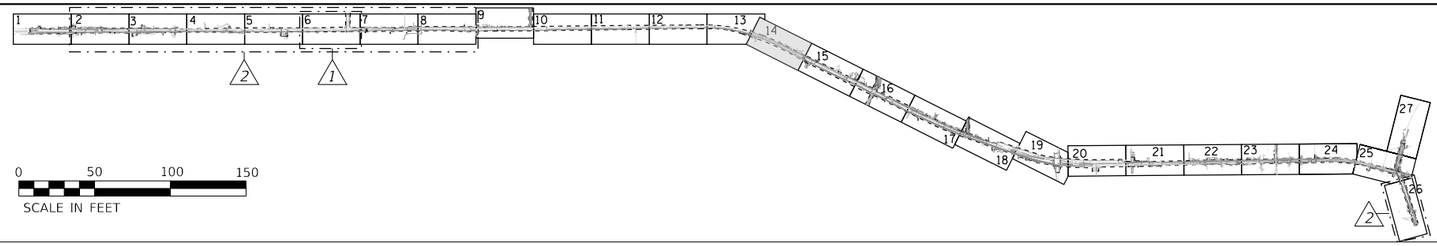
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

14



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LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

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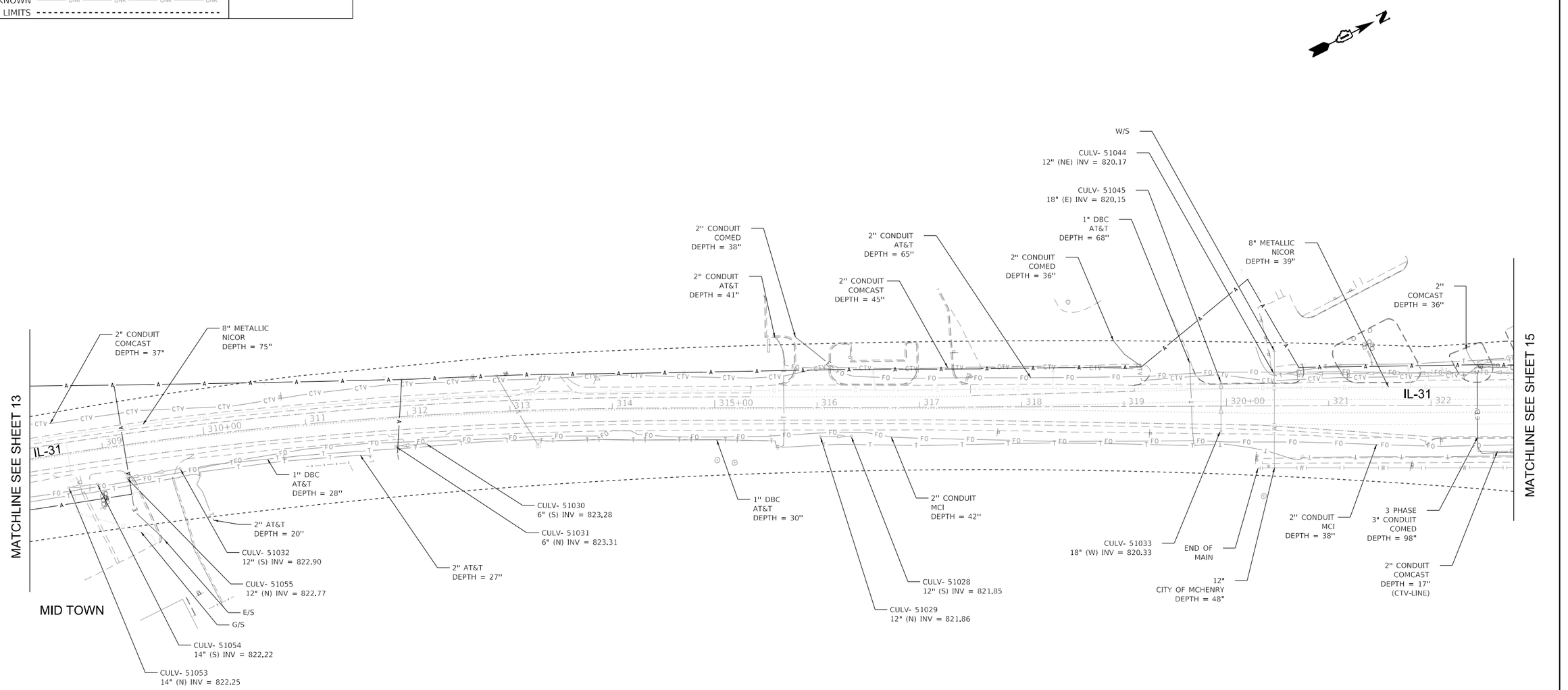
DATE: 05/12/2023

AHMED BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.



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Accurate GROUP, INC.

USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 14 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	452
		PROJECT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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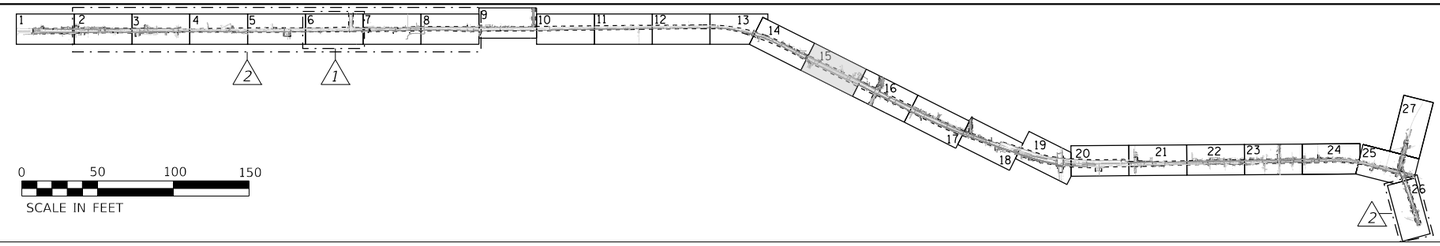
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

- AERIAL — A —
- CABLE TV — CTV —
- ELECTRIC — E —
- FIBER OPTIC — FO —
- GAS — G —
- TELEPHONE — T —
- WATER — W —
- SANITARY MAIN
- STORM SEWER
- QUALITY LEVEL D
- UNKNOWN — UNK —
- PROJECT LIMITS

15

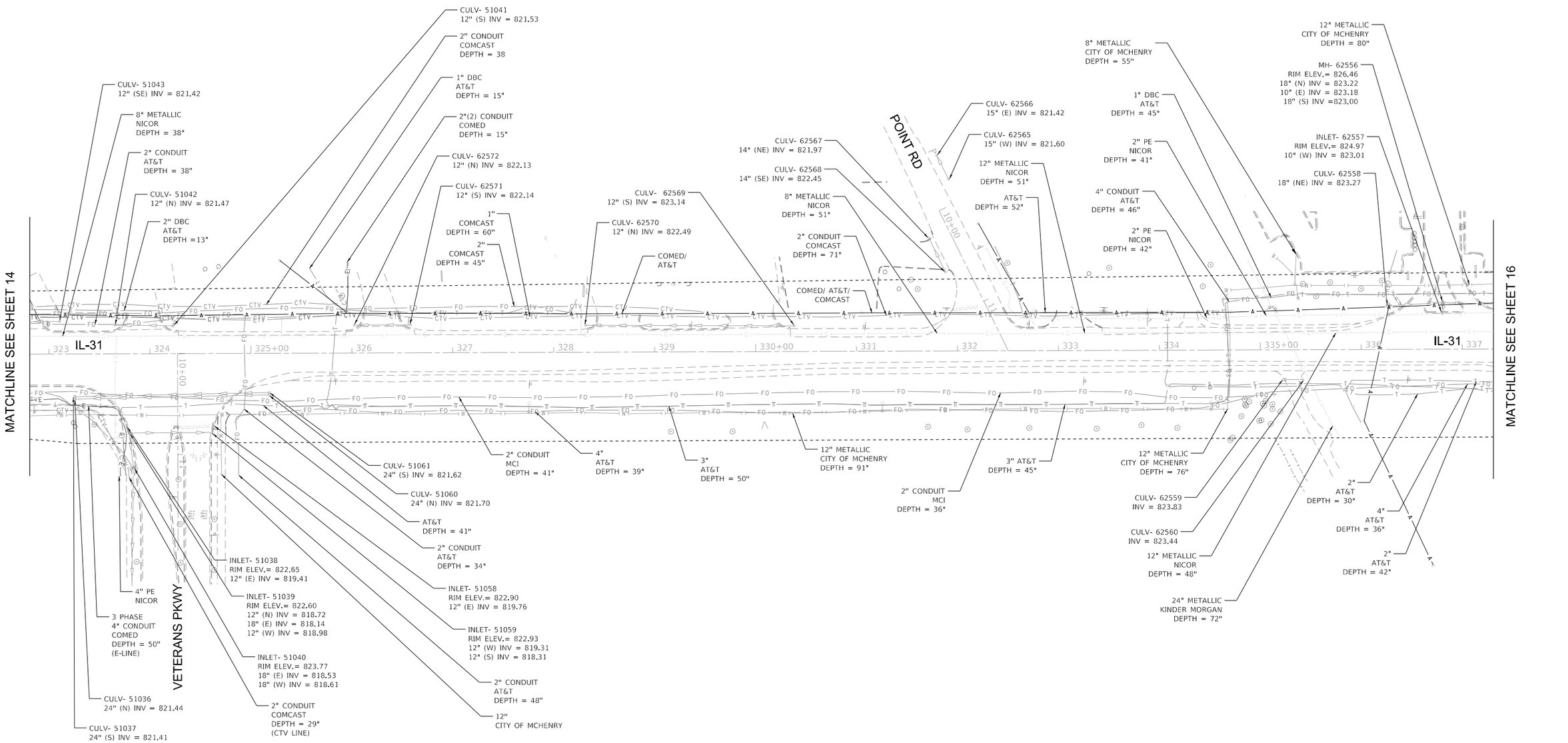


I, AHMEDI BEE, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY ACCURATE GROUP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

NOTE: ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATION INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. ACCURATE GROUP, INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF RELIABILITY OF ANY ELECTRONIC DEPTH READINGS.



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USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 15 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	453
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
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GAS
TELEPHONE
WATER
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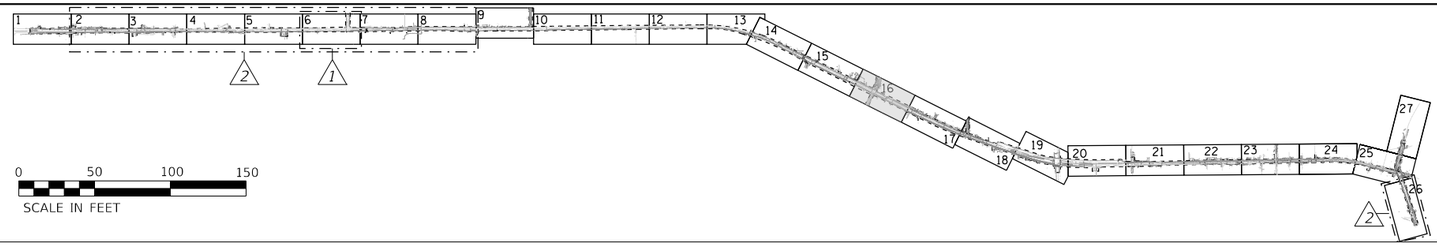
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

16



AHMEDI BEE 062-072692 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

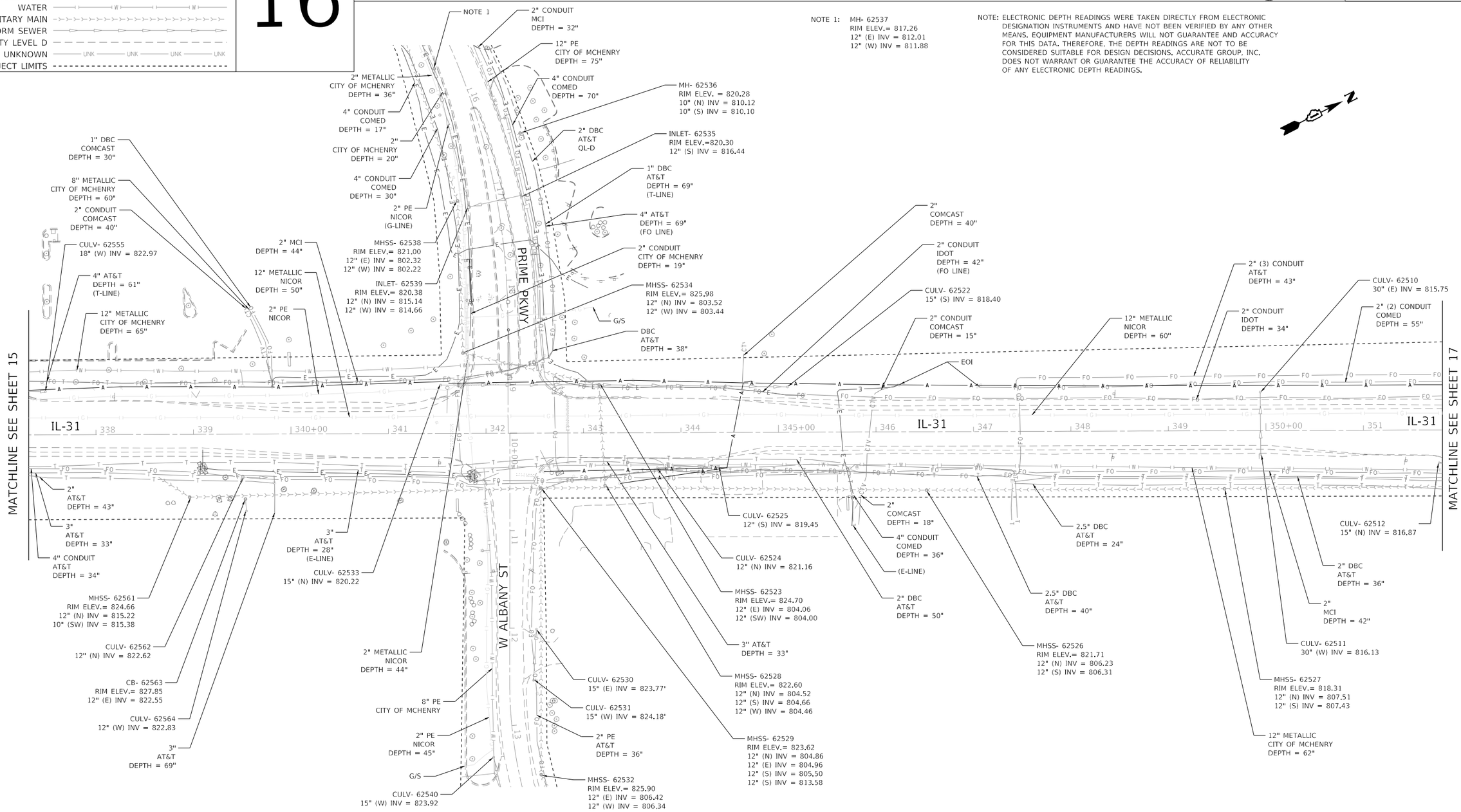
I, AHMEDI BEE, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY ACCURATE GROUP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

NOTE 1: MH- 62537
RIM ELEV.= 817.26
12" (E) INV = 812.01
12" (W) INV = 811.88

NOTE: ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATION INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. ACCURATE GROUP, INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OR RELIABILITY OF ANY ELECTRONIC DEPTH READINGS.



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Accurate GROUP, INC.	USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	
		DRAFTED - MA/JP	REVISED -	
		CHECKED - AB	REVISED -	
	PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 16 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	454
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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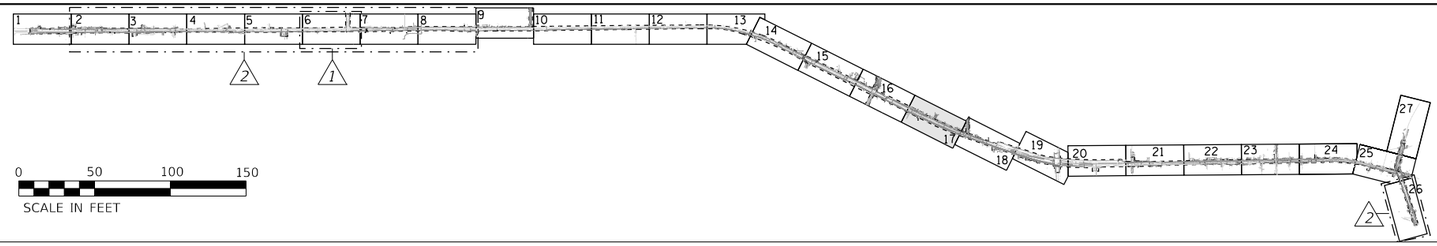
PROJECT LIMITS

17



AHMEDI BEE
062-072692
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

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DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

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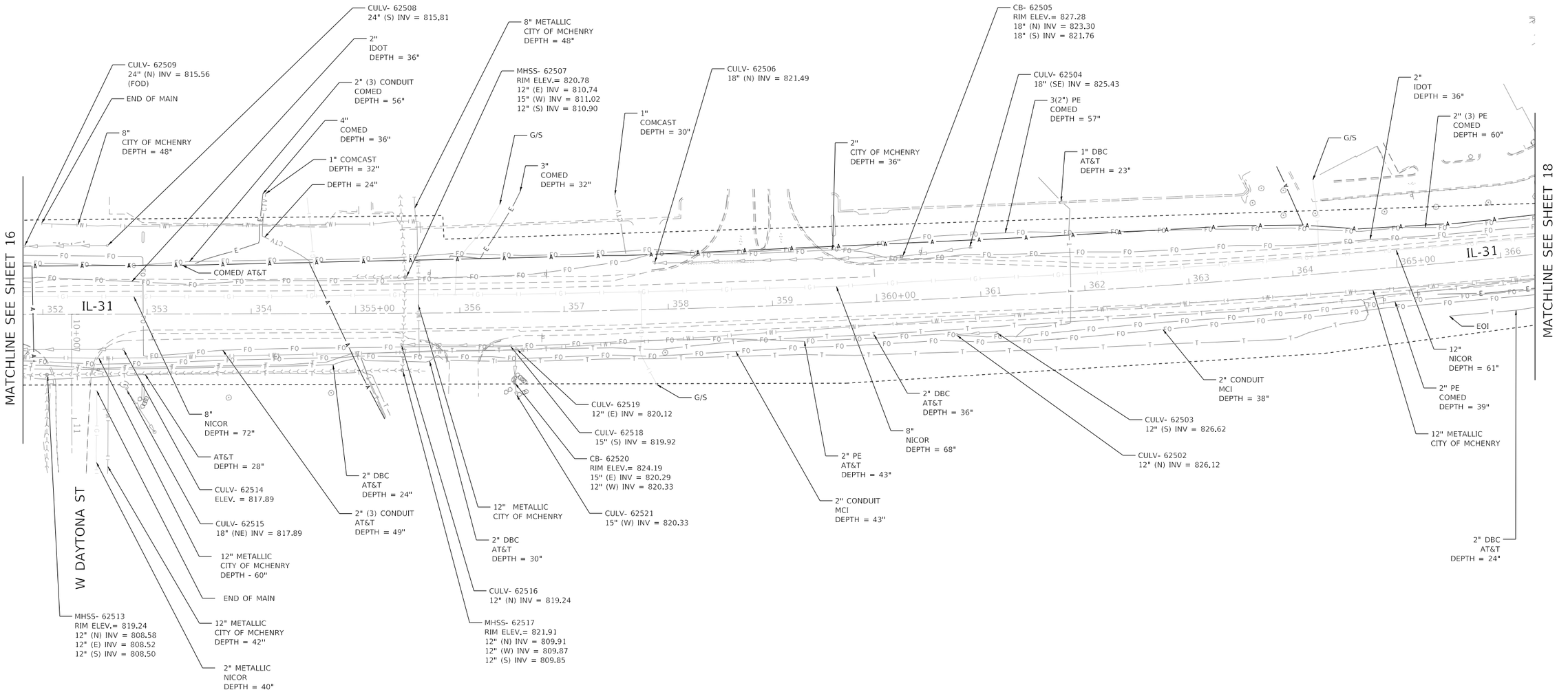

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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

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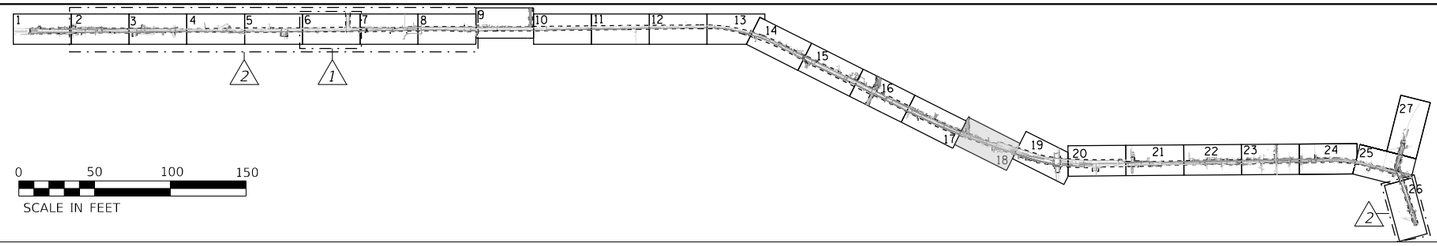
18



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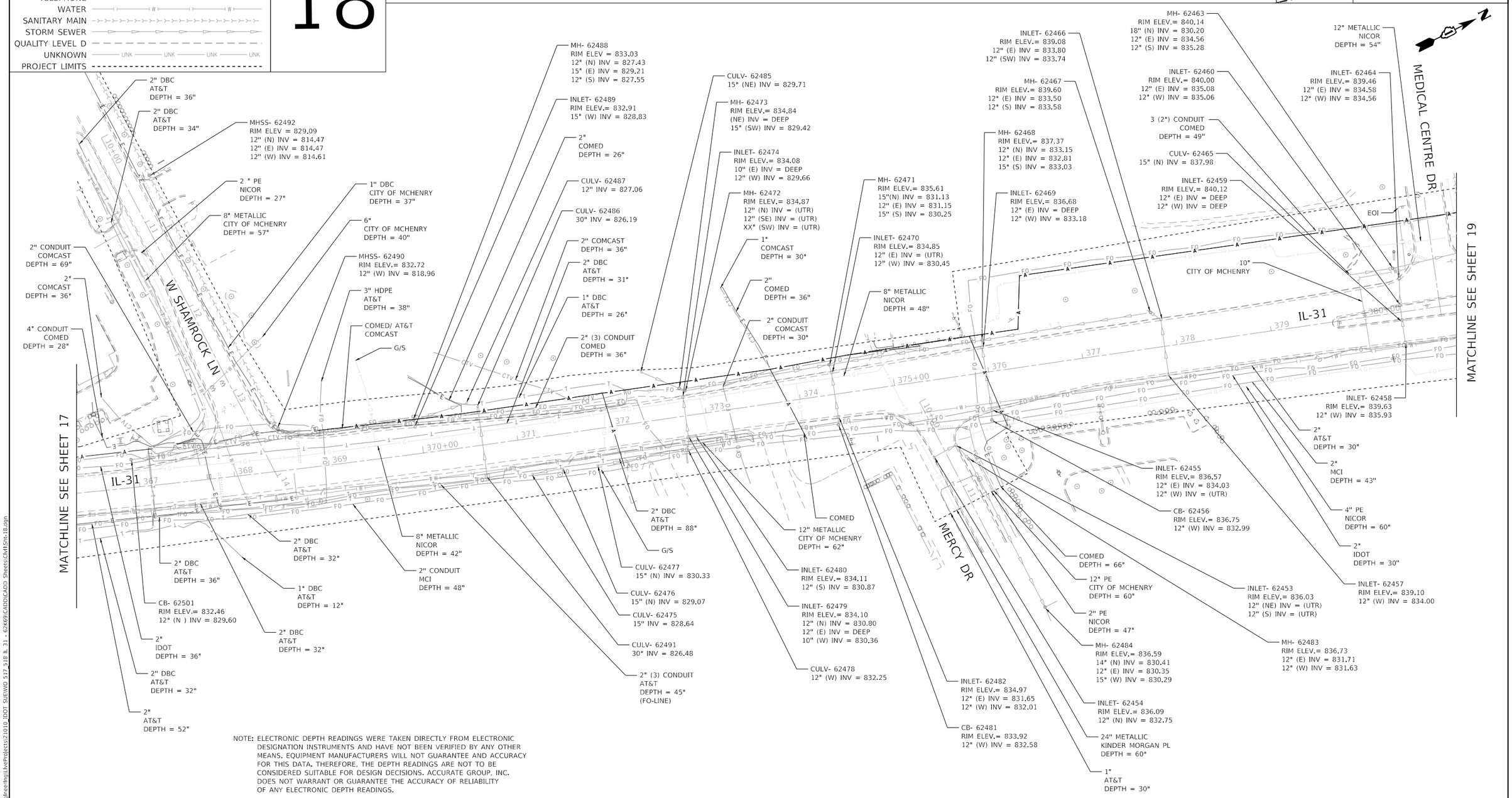
DATE: 05/12/2023

AHMED BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.



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Accurate GROUP, INC.

USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 18 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	456
		PROJECT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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QUALITY LEVEL D
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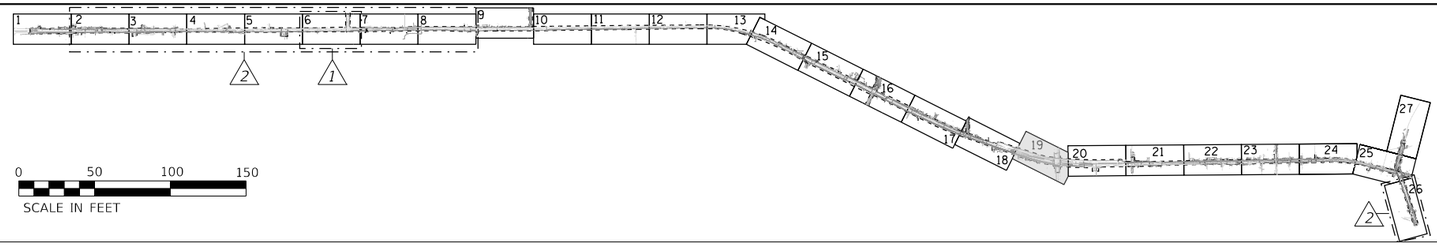
PROJECT LIMITS

19



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DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

NOTE 1: INLET- 62419
RIM ELEV.= 831.67
12" (N) INV = 826.05

NOTE 2: MHSS- 62391
RIM ELEV.= 829.04
12" (E) INV = 813.96
12" (W) INV = 813.78

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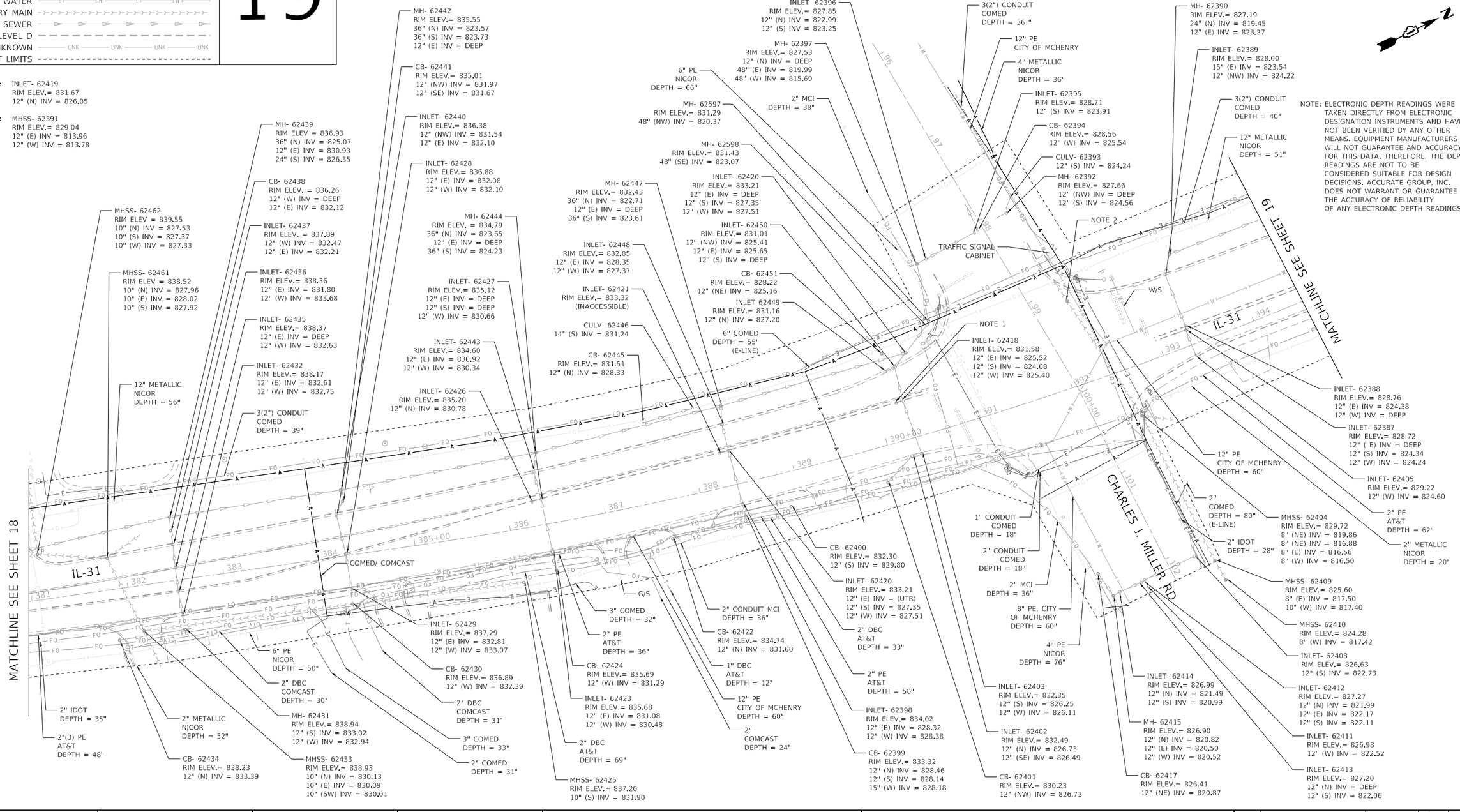

USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 19 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	457
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

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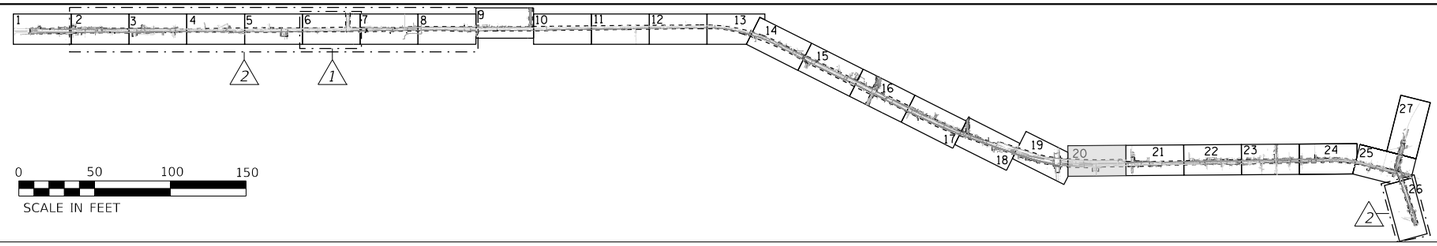
PROJECT LIMITS

20



AHMEDI BEE 062-072692 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

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DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

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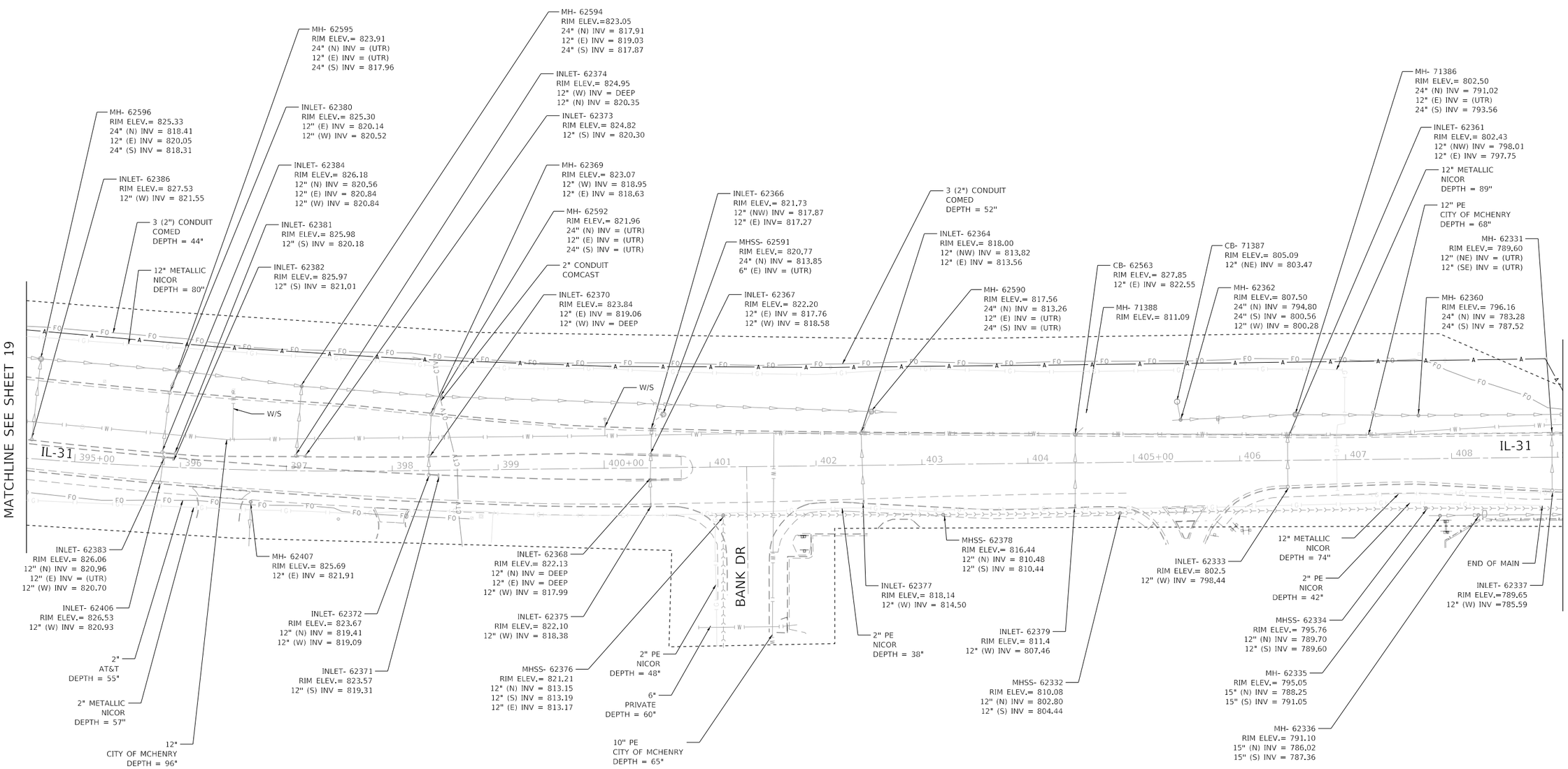

Accurate GROUP, INC.

USER NAME = akoller	DESIGNATED - LP/GM	REVISED -
	DRAFTED - MA/JP	REVISED -
	CHECKED - AB	REVISED -
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 20 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	458
		PROJECT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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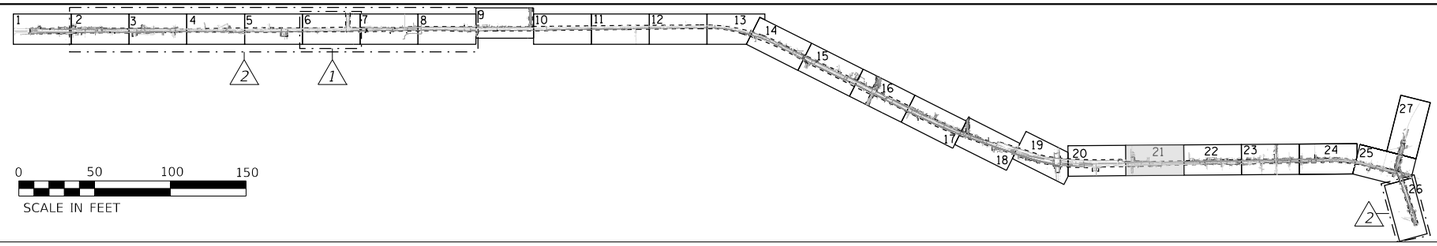
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL — A — A — A — A
CABLE TV — CTV — CTV — CTV — CTV
ELECTRIC — E — E — E — E
FIBER OPTIC — FO — FO — FO — FO
GAS — G — G — G — G
TELEPHONE — T — T — T — T
WATER — W — W — W
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN — UNK — UNK — UNK — UNK
PROJECT LIMITS

21



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DATE: 05/12/2023

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PROJECT ENGINEER; ACCURATE GROUP, INC.

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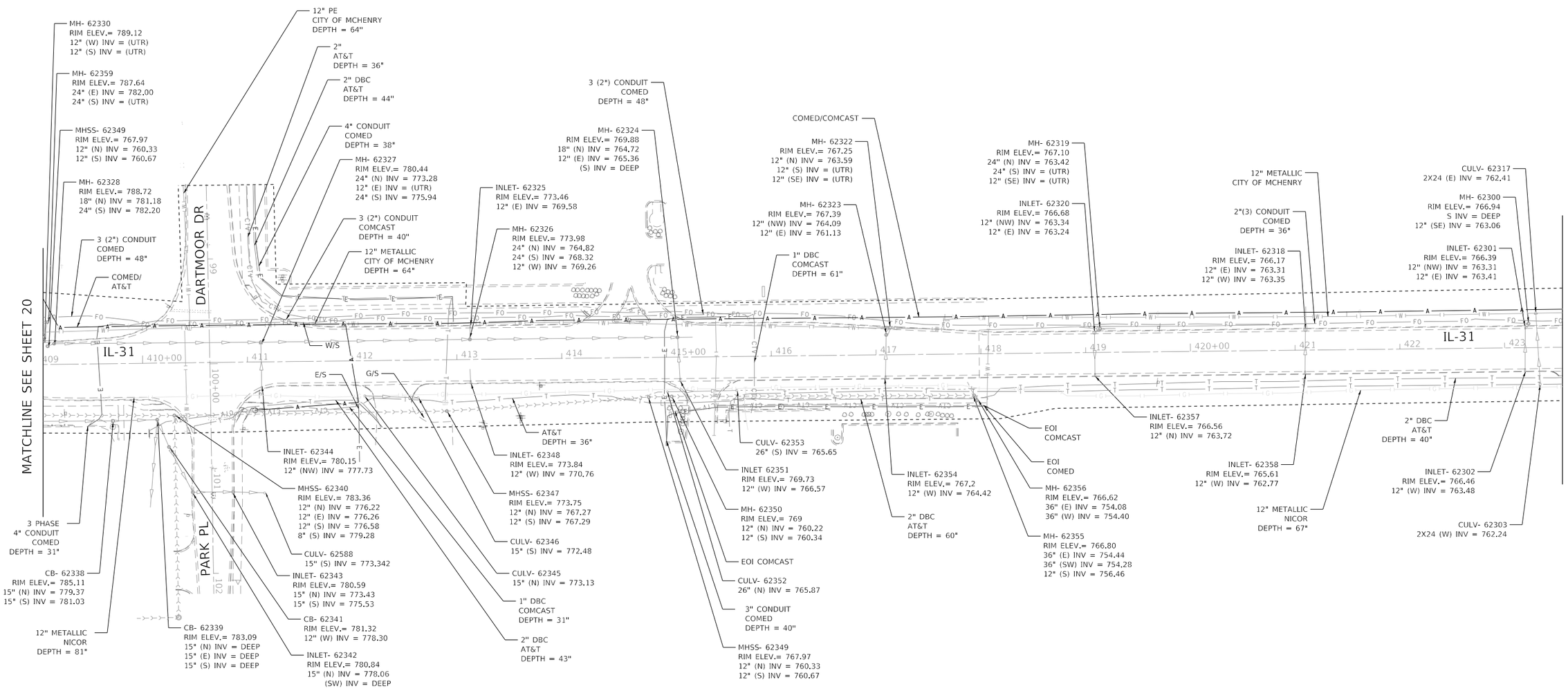

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PROJECT LIMITS

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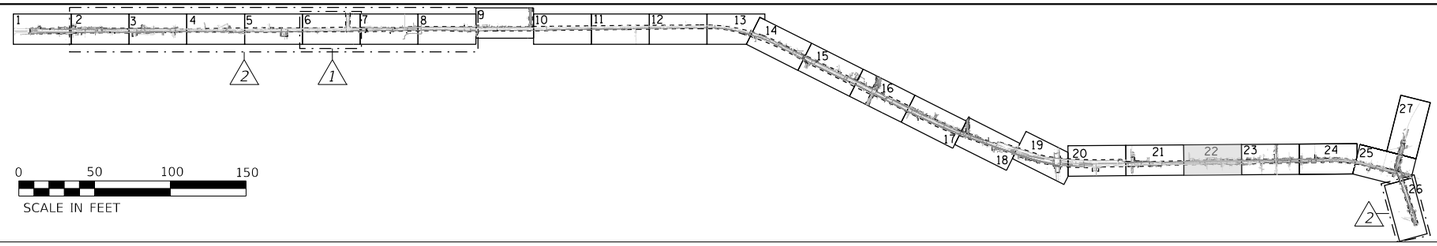

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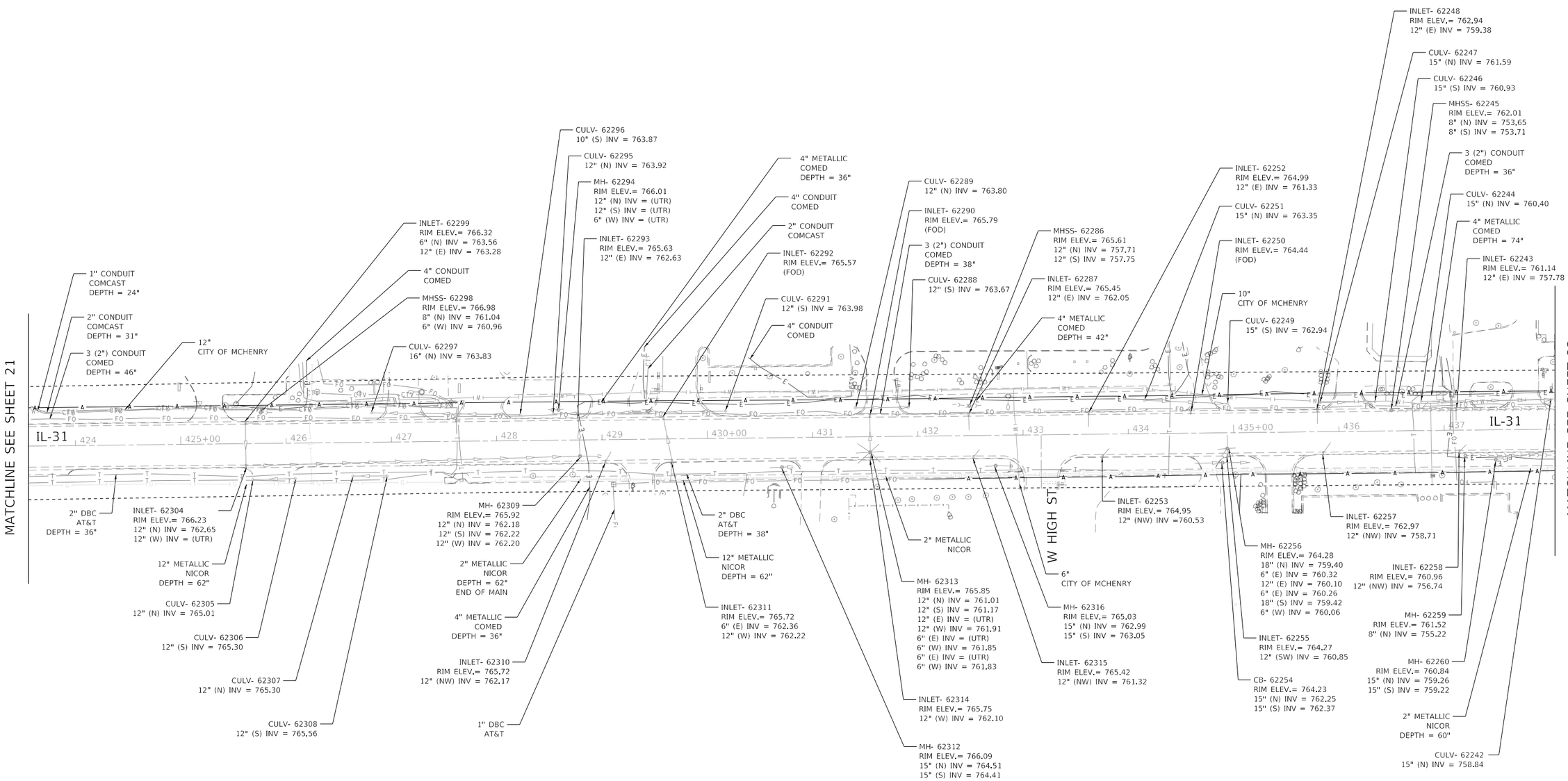

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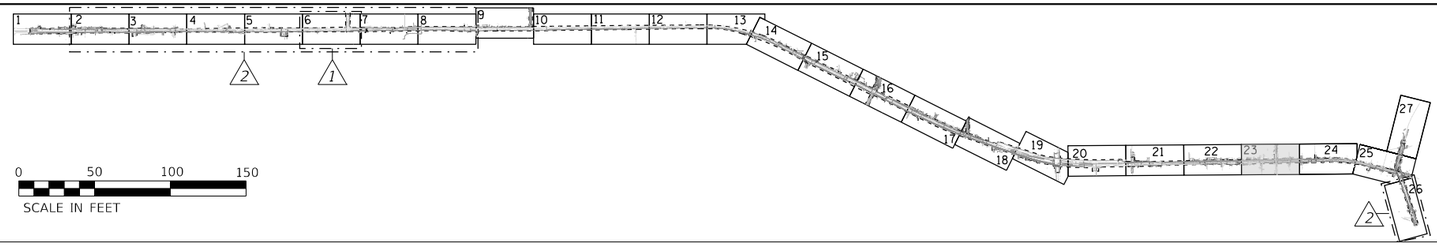
PROJECT LIMITS

23



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DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

NOTE 1: MH- 62283
RIM ELEV.= 754.88
6" (NE) INV = DEEP
12" (E) INV = 751.24
6" (E) INV = DEEP
12" (SE) INV = 749.92
6" (SW) INV = DEEP
12" (W) INV = DEEP
6" (NW) INV = DEEP
24" (N) INV = 750.08

NOTE 2: INLET- 62282
RIM ELEV.= 754.71
12" (SW) INV = 751.75

NOTE 3: MHSS- 62185
RIM ELEV.= 751.71
12" (N) INV = 746.53
12" (SE) INV = 746.61

NOTE 4: MH- 62180
RIM ELEV.= 754.52
15" (W) INV = 751.64
(E) INV = (FOW)

NOTE 5: CULV- 62183
15" (S) INV = 751.70

NOTE 6: INLET- 62171
RIM ELEV.= 753.85
12" (e) inv = 751.59

NOTE 7: CULV- 62182
10" (NW) INV = 752.36

NOTE 8: CULV- 62181
15" (N) INV = 751.96

NOTE 9: INLET- 62184
RIM ELEV.= 753.91
12" (W) INV = 751.23

NOTE 10: INLET- 62203
RIM ELEV.= 753.80
12" (SW) INV = 751.44

NOTE 11: CB- 62202
RIM ELEV.= 752.72
12" (W) INV = 751.52

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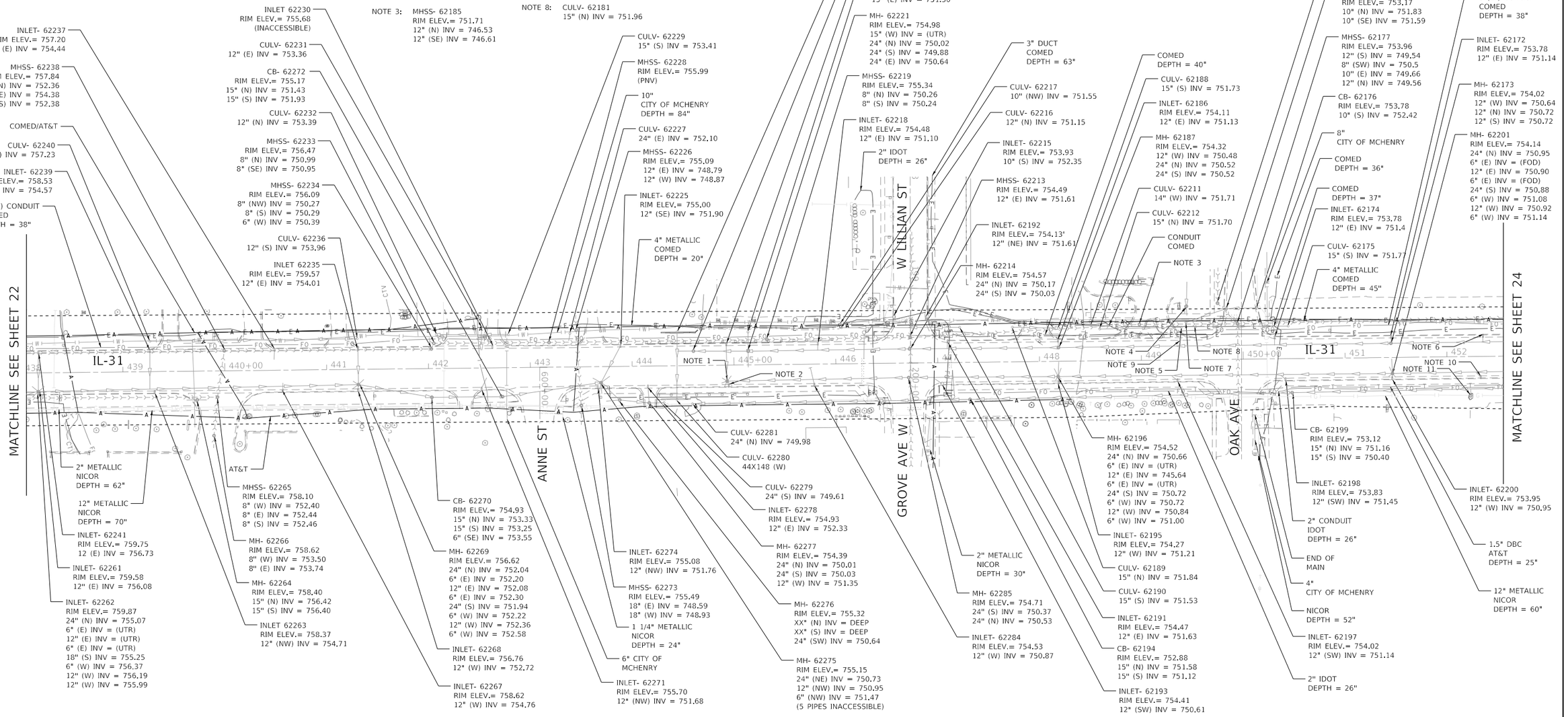

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USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 23 OF 27 SHEETS | STA. | TO STA.

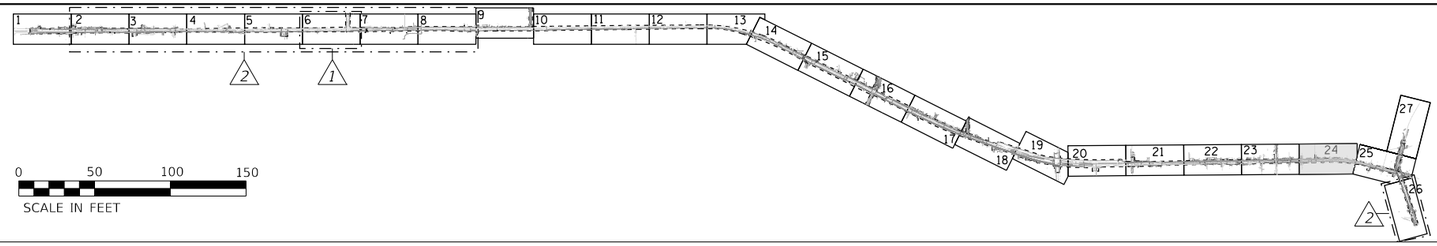
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	461
		PROJECT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

Accurate
GROUP, INC.
WWW.ACCGI.COM
101 SCHELTER RD., SUITE B-200
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL
CABLE TV
ELECTRIC
FIBER OPTIC
GAS
TELEPHONE
WATER
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

24



I, AHMEDI BEE, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY ACCURATE GROUP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

NOTE 1: INLET- 62101
RIM ELEV.= 755.75
12" (NW) INV = 753.03

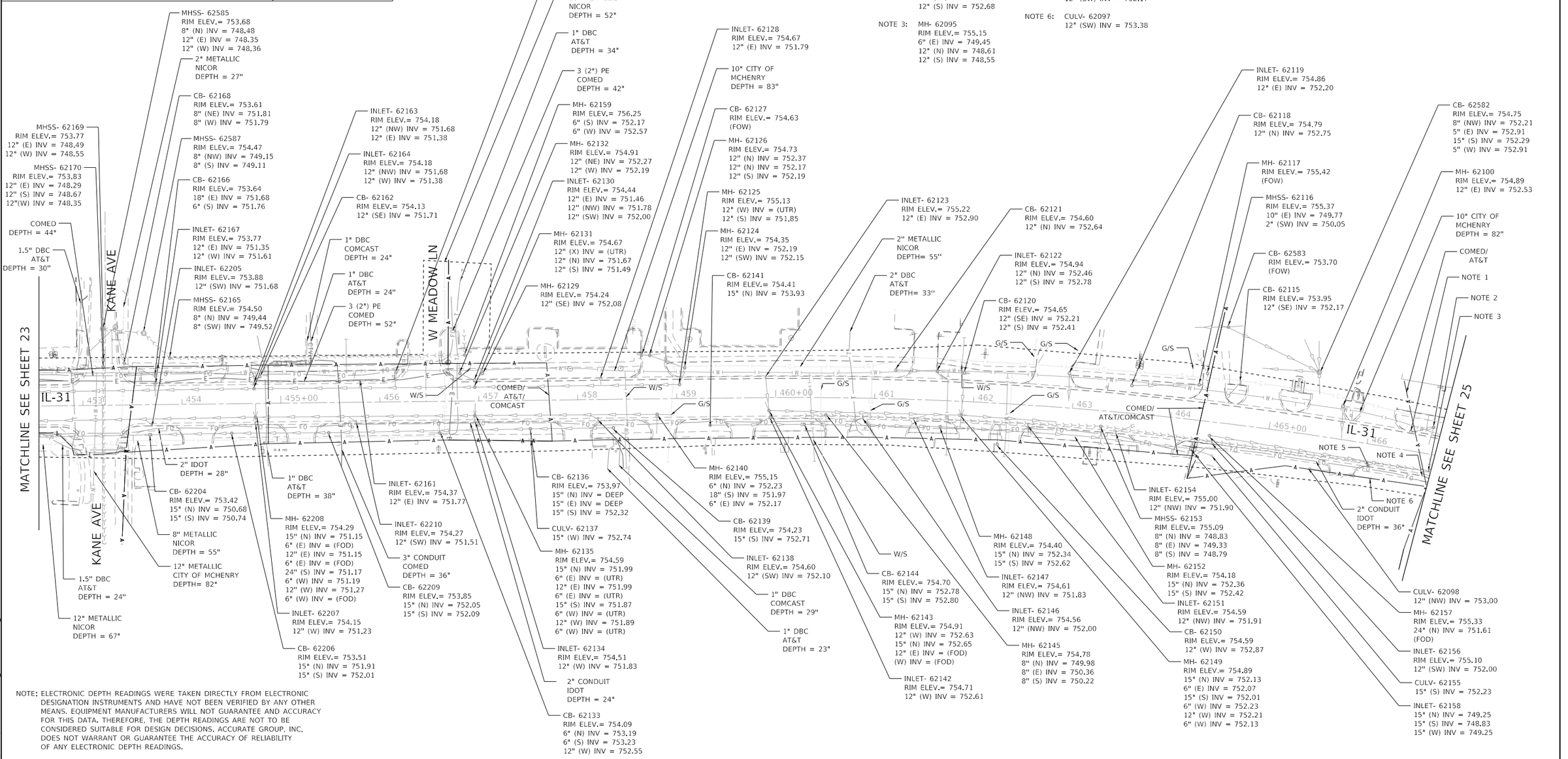
NOTE 2: CB- 62102
RIM ELEV.= 755.58
12" (SE) INV = 752.62
12" (S) INV = 752.68

NOTE 3: MH- 62095
RIM ELEV.= 755.15
6" (E) INV = 749.45
12" (N) INV = 748.61
12" (S) INV = 748.55

NOTE 4: INLET- 62094
RIM ELEV.= 754.96
12" (W) INV = 752.58

NOTE 5: INLET- 62096
RIM ELEV.= 755.09
12" (SW) INV = 752.17

NOTE 6: CULV- 62097
12" (SW) INV = 753.38



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MODEL: Default
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Accurate GROUP, INC.

USER NAME = akoller	DESIGNATED - LP/GM	REVISED -
	DRAFTED - MA/JP	REVISED -
	CHECKED - AB	REVISED -
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 24 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	462
		PROJECT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

Accurate GROUP, INC.
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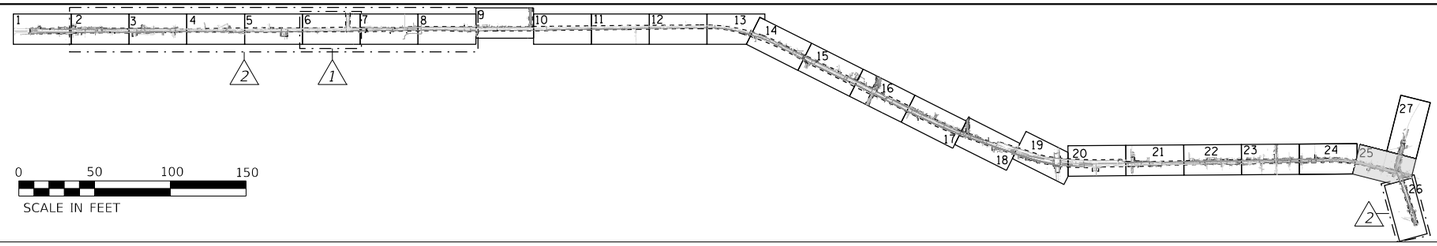
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

LEGEND

AERIAL — A — A — A — A
CABLE TV — CTV — CTV — CTV — CTV
ELECTRIC — E — E — E — E
FIBER OPTIC — FO — FO — FO — FO
GAS — G — G — G
TELEPHONE — T — T — T — T
WATER — W — W — W
SANITARY MAIN
STORM SEWER
QUALITY LEVEL D
UNKNOWN — UNK — UNK — UNK — UNK
PROJECT LIMITS

25



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DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.

NOTE 1: MHSS- 62103
RIM ELEV.= 755.95
6" (NW) INV = 749.47
48" (N) INV = 739.77
48" (E) INV = 739.73

NOTE 2: INLET- 62090
RIM ELEV.= 755.39
12" (SW) INV = 752.75

NOTE 3: MH- 62107
RIM ELEV.= 755.62
12" (S) INV = 754.17
6" (NE) INV = 754.11

NOTE 4: MHSS- 62084
RIM ELEV.= 756.46
12" (W) INV = 746.12
12" (E) INV = 746.18
12" (S) INV = 746.26

NOTE 5: MH- 62050
RIM ELEV.= 756.27
(UNABLE TO ACCESS)

NOTE 6: INLET- 62024
RIM ELEV.= 754.30
6" (N) INV =752.06

NOTE 7: MH- 62025
RIM ELEV.= 754.67
16" (E) INV = 751.77
12" (S) INV = 751.71

NOTE 8: INLET- 62029
RIM ELEV.= 754.44
12" (N) INV = 750.96

NOTE 9: CB- 62028
RIM ELEV.= 751.16
16" (W) INV = 750.64
12" (S) INV = 750.90

NOTE 10: INLET- 62052
RIM ELEV.= 764.18
12" (N) INV = 760.32

NOTE 11: CB- 62053
RIM ELEV.= 764.08
12" (S) INV = 759.24
12" (N) INV = 758.98

NOTE 12: MH- 62054
RIM ELEV.= 764.55
12" (S) INV = 757.75
12" (E) INV = 754.76

MATCHLINE SEE SHEET 24

MATCHLINE SEE SHEET 27

MATCHLINE SEE SHEET 26

IL-31

IL-120

W JOHN ST

MAIN ST

INLET- 62110
RIM ELEV.= 756.34
12" (E) INV = 753.46
6" (N) INV = 754.94

INLET- 62106
RIM ELEV.= 755.95
12" (E) INV = 753.01

2" METALLIC
NICOR
DEPTH = 36"

MH- 62105
RIM ELEV.= 756.06
(E) INV = 746.86
48" (N) INV = 739.78
48" (S) INV = 739.86

MH- 62109
RIM ELEV.= 756.51
36" (S) INV = 739.89
36" (NW) INV = 739.93

10" METALLIC
CITY OF MCHENRY
DEPTH = 82"

MHSS- 62085
RIM ELEV.= 756.66
12" (N) INV = 746.42
12" (E) INV = 746.32
12" (W) INV = 746.36

INLET- 62104
RIM ELEV.= 756.69
12" (E) INV = 752.87

2" METALLIC
NICOR
DEPTH = 20"

MH- 62108
RIM ELEV.= 755.92
12" (S) INV = 753.64
12" (E) INV = 753.24

NOTE 1

NOTE 3

2" CONDUIT
IDOT
DEPTH = 38"

MH- 62091
RIM ELEV.= 755.47
12" (NE) INV = (UTR)
18" (N) INV = 751.95
24" (S) INV = 752.19

INLET- 62092
RIM ELEV.= 755.15
12" (SW) INV = 752.47

MHSS- 62093
RIM ELEV.= 755.11
48" (E) INV = 739.85
48" (W) INV = 739.77

INLET- 62112
RIM ELEV.= 757.93
12" (E) INV = 754.75
(W) INV = (UTR)

INLET- 62111
RIM ELEV.= 756.62
12" (E) INV = 753.74

INLET- 62086
RIM ELEV.= 755.89
12" (SW) INV = 752.93
12" (E) INV = 753.85

CB- 62087
RIM ELEV.= 755.90
12" (W) INV = 753.86
10" (E) INV = 753.88

CB- 62088
RIM ELEV.= 753.97
12" (W) INV = 752.03
12" (S) INV = 752.09

CB- 62089
RIM ELEV.= 755.17
12" (N) INV = 754.21

MHSS- 62075
RIM ELEV.= 762.95
12" (NW) INV = 751.79
12" (S) INV = 749.41
12" (NE) INV = 749.59
12" (W) INV = 749.49
12" (NE) INV = 752.33
12" (SE) INV = 749.51

1.5" METALLIC
NICOR
DEPTH = 30"

INLET- 62113
RIM ELEV.= 760.70
12" (E) INV = 757.88

MH- 62078
RIM ELEV.= 761.39
12" (E) INV = DEEP
12" (S) INV = 755.25
12" (W) INV = 755.57

3" CONDUIT
COMED
DEPTH = 61"

INLET- 62079
RIM ELEV.= 757.89
(W) INV = (UTR)

6"
CITY OF MCHENRY
DEPTH = 74"

MH- 62077
RIM ELEV.= 761.10
12" (W) INV = 757.56
12" (NE) INV = 757.98

MH- 62081
RIM ELEV.= 757.16
12" (W) INV = 753.18
18" (N) INV = 753.22
12" (E) INV = 753.10
18" (S) INV = 753.22

INLET- 62080
RIM ELEV.= 756.79
12" (W) INV = 753.79

CB- 62082
RIM ELEV.= 756.26
6" (NE) INV = 754.42
4" (SE) INV= 754.64
12" (SW) INV= 754.30
12" (W) INV= 754.12

INLET- 62083
RIM ELEV.= 756.23
12" (NE) INV = 754.29

2" METALLIC
NICOR
DEPTH = 35"

INLET- 62076
RIM ELEV.= 762.05
12" (SW) INV = 759.87

MH- 62114
RIM ELEV.= 761.11
12" (E) INV = (UTR)

4" METALLIC
NICOR
DEPTH = 36"

8" METALLIC
CITY OF MCHENRY
DEPTH = 65"

INLET- 62073
RIM ELEV.= 762.79
12" (SW) INV = 760.21

INLET- 62046
RIM ELEV.= 761.14
12" (N) INV = 757.12
12" (SW) INV = 757.16

MH- 62074
RIM ELEV.= 763.09
12" (N) INV = 757.69
12" (NE) INV = 759.39
12" (SE) INV = 758.69
12" (S) INV = 759.29

2" PE
NICOR
DEPTH = 53"

COMED/ AT&T/
COMCAST

NOTE 10
6" METALLIC
CITY OF MCHENRY
DEPTH = 65"

2" CONDUIT (EMPTY)
EVERSTREAM
DEPTH = 40"
(FO-LINE)

6" METALLIC
NICOR
DEPTH = 36"

MHSS- 62051
RIM ELEV.= 763.06
10" (W) INV = 755.37
10" (E) INV = 755.35

T-DUCT
AT&T
DEPTH = 65" (TYP)

COMCAST
DEPTH = 60"

MH- 62048
RIM ELEV.= 757.47
12" (NE) INV = (UTR)

2" DBC
AT&T
DEPTH = 40"

INLET- 62047
RIM ELEV.= 759.22
12" (W) INV = 757.16

2"
AT&T
DEPTH = 41"

INLET- 62045
RIM ELEV.= 759.18
12" (N) INV = 755.40
12" (S) INV = (UTR)
12" (SW) INV = (UTR)

INLET- 62072
RIM ELEV.= 758.48
6" (SW) INV = (UTR)
4" (E) INV = (UTR)
12" (N) INV = (UTR)

MH- 62044
RIM ELEV.= 758.46
12" (W) INV = 754.12
12" (N) INV = 755.24
12" (S) INV = 754.20

MHSS- 62049
RIM ELEV.= 758.94
(UNABLE TO ACCESS)

CB- 62043
RIM ELEV.= 757.85
15" (N) INV = 753.17
15" (S) INV = 754.25
8" (E) INV = 754.15

COMED/ AT&T

NOTE 11

NOTE 12

2" CONDUIT
COMED

INLET- 62055
RIM ELEV.= 761.32
15" (N) INV = 754.12

MH- 62056
RIM ELEV.= 759.85
15" (W) INV = 753.39
18" (E) INV = 753.35
12" (SE) INV = 755.69

INLET- 62057
RIM ELEV.= 759.38
(FOD)

INLET- 62059
RIM ELEV.= 758.38
(FOD)

COMED/ AT&T/
COMCAST

MH- 62058
RIM ELEV.= 758.64
18" (W) INV = 752.92
18" (E) INV = 753.20

NOTE 5

MH- 62042
RIM ELEV.= 756.01
12" (N) INV = (UTR)
15" (SW) INV = 752.21
12" (E) INV = (UTR)

MH- 62027
RIM ELEV.= 755.38
12" (W) INV = DEEP
12" (E) INV = 752.4

10" METALLIC
CITY OF MCHENRY
DEPTH = 78"

2" METALLIC
NICOR

INLET- 62026
RIM ELEV.= 755.05
12" (W) INV = 752.09

INLET- 62060
RIM ELEV.= 757.00
(FOD)

MH- 62061
RIM ELEV.= 757.53
18" (W) INV = 751.07
18" (E) INV = 751.15
12" (S) INV = (UTR)

CB- 62063
RIM ELEV.= 757.03
12" (S) INV = 753.15

MH- 62062
RIM ELEV.= 757.18
18" (W) INV = 750.52
18" (E) INV = 750.04
12" (S) INV = 749.56
6" (NW) INV = 754.44
12" (NW) INV = 752.92

INLET- 62064
RIM ELEV.= 756.08
(FOD)

1" DBC
AT&T
DEPTH = 36"

MH- 62065
RIM ELEV.= 755.26
18" (N) INV = 749.30
(E) INV = (UTR)
(E) INV = (UTR)
(S) INV = (UTR)
(S) INV = (UTR)
18"(SW) INV = 749.34

10" METALLIC
CITY OF MCHENRY
DEPTH = 78"

COMED

MH- 62066
RIM ELEV.= 748.79
18" (N) INV = 741.21
18" (S) INV = 741.25
12" (W) INV = 741.23

1" DBC
AT&T
DEPTH = 36"

AT&T

COMED/ AT&T

2" PLASTIC
NICOR
DEPTH = 36"

4" CONDUIT
AT&T
DEPTH = 36"

1.5" DBC
AT&T
DEPTH = 39"
(T-LINE)

MHSS- 62067
RIM ELEV.= 748.58
12" (N) INV = 742.44
4" (NE) INV = 743.28
4" (SE) INV = (UTR)
6" (SE) INV = 743.58

NOTE 6

NOTE 7

NOTE 8

NOTE 9

NOTE 4

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MODEL: Default
FILE NAME: G:\Engineering\Live Projects\2010_IDOT SUE\WO 517_518 IL 31 - 62K69\CADD\CADD Sheets\CivilSht-25.dgn

Accurate GROUP, INC.

USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	**STATE OF ILLINOIS**	**SUBSURFACE UTILITY ENGINEERING STUDY**	
	DRAFTED - MA/JP	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**IL 31 FROM IL 176 TO IL 120**	
	CHECKED - AB	REVISED -			
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -		SCALE: SHEET 25 OF 27 SHEETS STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	463
		PROJECT NO.	62K69	
	ILLINOIS FED. AID PROJECT			

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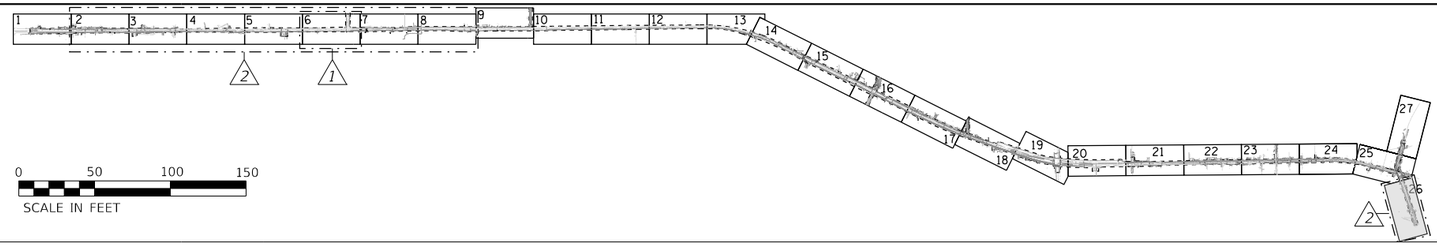
LEGEND

- AERIAL — A
- CABLE TV — CTV
- ELECTRIC — E
- FIBER OPTIC — FO
- GAS — G
- TELEPHONE — T
- WATER — W
- SANITARY MAIN
- STORM SEWER
- QUALITY LEVEL D
- UNKNOWN — UNK
- PROJECT LIMITS

26



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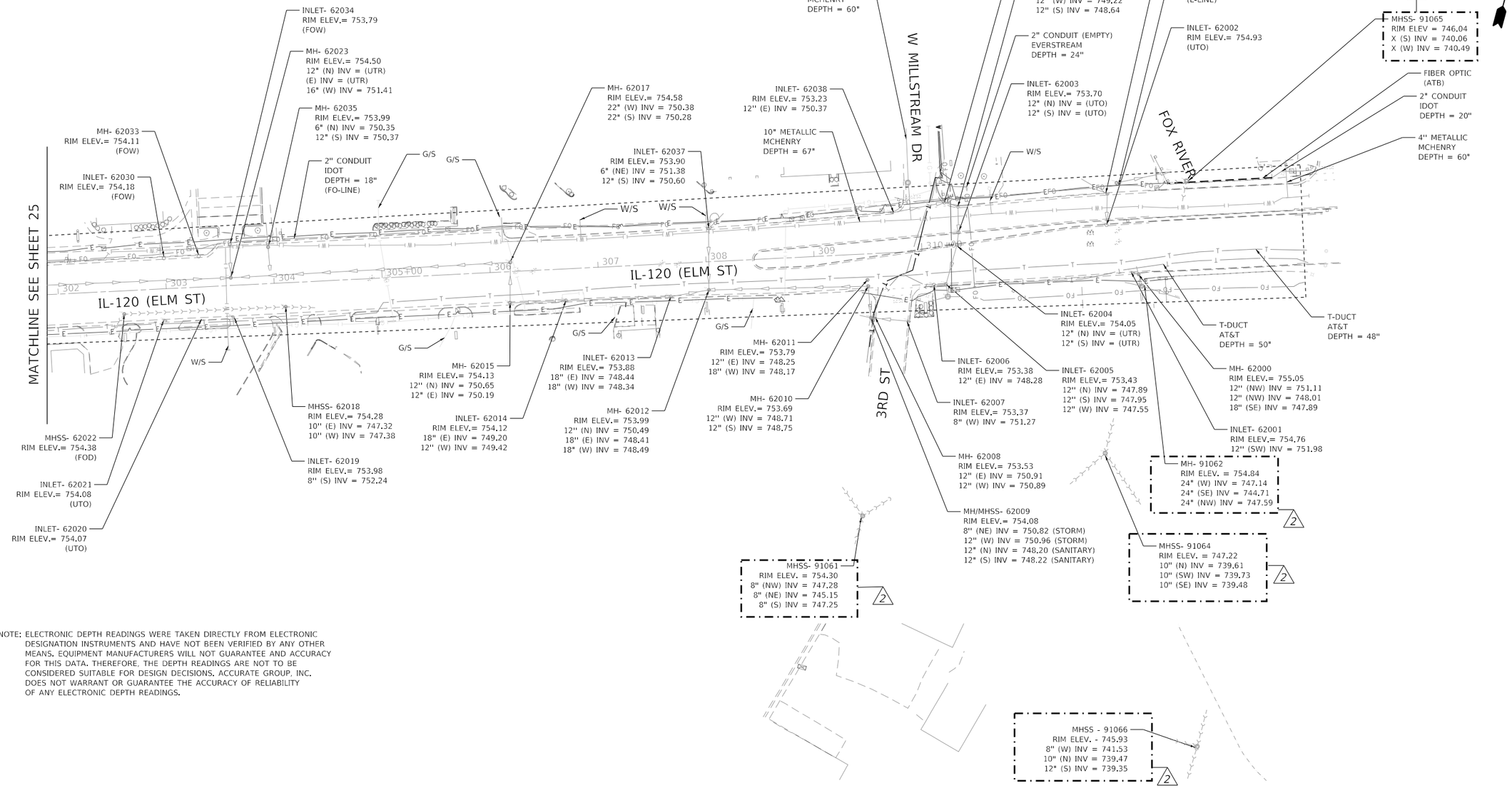
PROJECT ENGINEER; ACCURATE GROUP, INC.



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Accurate GROUP, INC.

USER NAME = akoller	DESIGNATED - LP/GM	REVISED - 2 06/25/2024 AB	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 26 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	464
		PROJECT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

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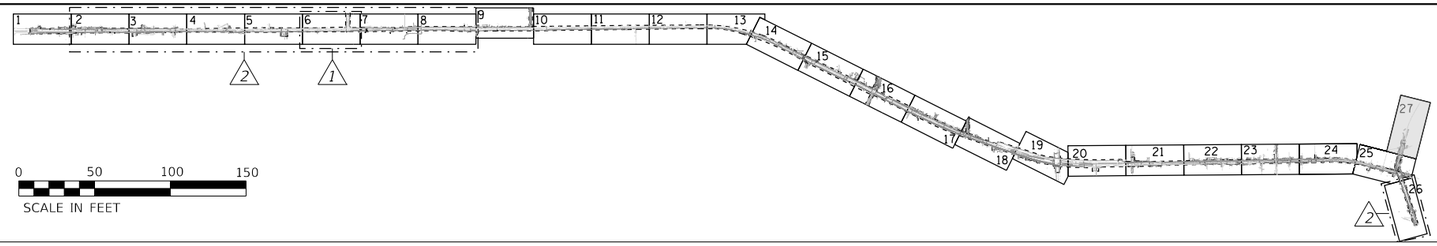
STORM SEWER
QUALITY LEVEL D
UNKNOWN
PROJECT LIMITS

27

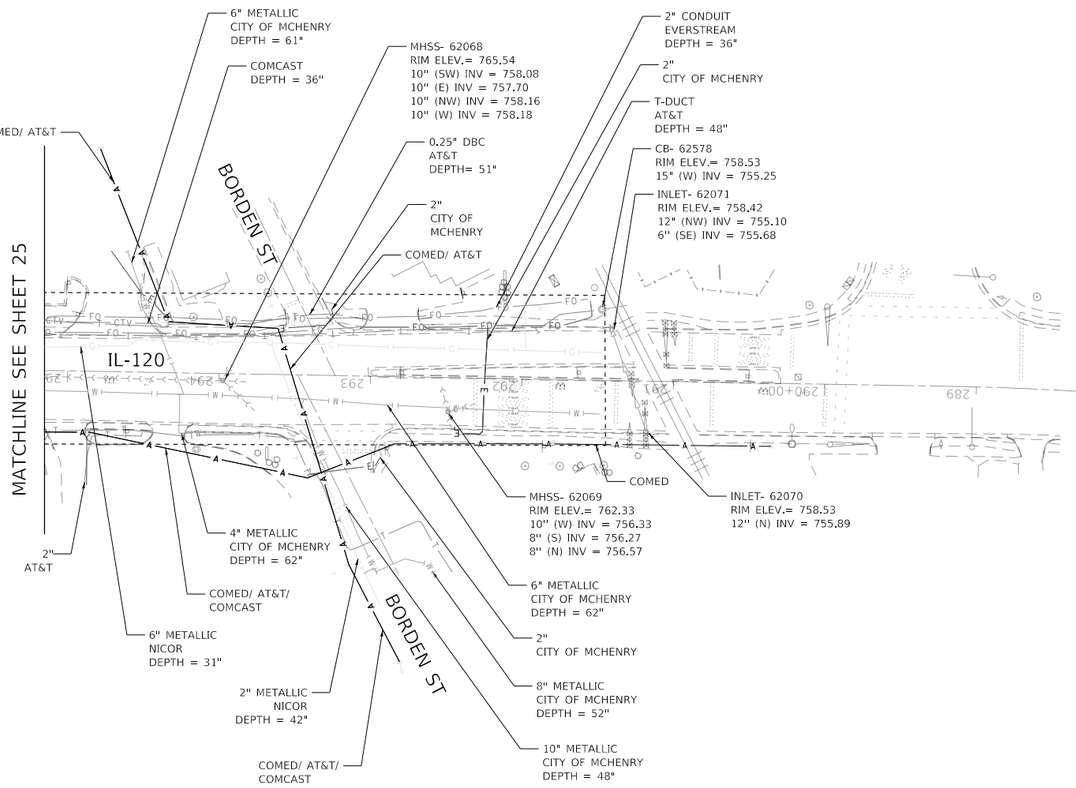


ILLINOIS DEPARTMENT OF TRANSPORTATION
062-072692
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

I, AHMEDI BEE, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY ACCURATE GROUP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 05/12/2023

AHMEDI BEE, PE
PROJECT ENGINEER; ACCURATE GROUP, INC.



N

NOTE: ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATION INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. ACCURATE GROUP, INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OR RELIABILITY OF ANY ELECTRONIC DEPTH READINGS.

MODEL: Default
FILE NAME: c:\Engineering\Live Projects\2010_IDOT SUE\WO 517_518 IL 31 - 62K69\CADD\CADD Sheets\CivilSht-27.dgn

Accurate GROUP, INC.

USER NAME = akoller	DESIGNATED - LP/GM	REVISED -	
	DRAFTED - MA/JP	REVISED -	
	CHECKED - AB	REVISED -	
PLOT DATE = 6/25/2024	DATE - 05/12/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING STUDY
IL 31 FROM IL 176 TO IL 120

SCALE: | SHEET 27 OF 27 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	MCHENRY	835	465
		PROJECT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SHEET INDEX

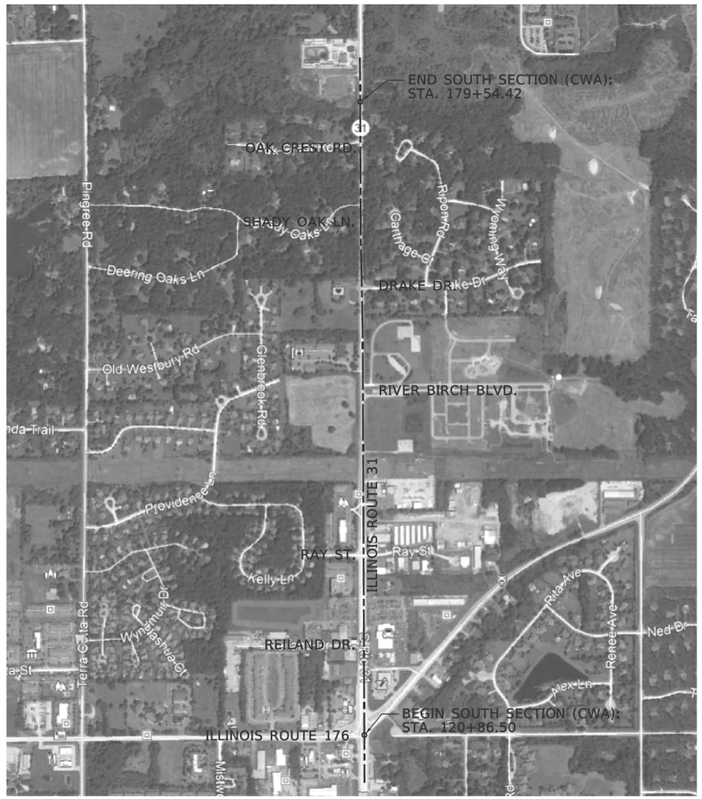
1	COVER & OWNERS SHEET
2–24	PLAT OF HIGHWAYS (BY CWA)
25	ALIGNMENTS & SECTIONS (BY CWA)
26–48	PLAT OF HIGHWAYS (BY MANHARD)

PARCEL NUMBER	OWNER (BY CWA)	SHEET NUMBER	PROPERTY ACQUIRED BY
1NV0201	G & D ARVANITIS, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	2	
1NV0202	ACIA CL PROPERTY, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	3	
1NV0203	CLP ILLINOIS, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	4	
~~1NV0204~~	~~JEFFREY M. DANCA, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED MAY 9, 1998 AND KNOWN AS THE JEFFREY M. DANCA TRUST~~	4	Deleted
1NV0205	MARKEE HOLDINGS, LLC.	5	
1NV0206	MARKEE HOLDINGS, LLC.	6	
1NV0207	PMAK CRYSTAL LAKE, LLC, A DELAWARE LIMITED LIABILITY COMPANY	7	
1NV0208	K.P.C.L., LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	8	
1NV0209	TALON PROFESSONAL CENTER CONDOMINIUM ASSOCIATION ON BEHALF OF THE UNIT OWNERS AS THEIR INTERESTS MAY APPEAR	8	
1NV0210	5214 RT 31, LLC.	9	
1NV0211	BLC HOLDINGS, AN ILLINOIS LIMITED LIABILITY COMPANY	9	
1NV0212	HOME STATE BANK/NATIONAL ASSOCIATION AS SUCCESSOR TRUSTEE TO HOME STATE BANK OF CRYSTAL LAKE AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 19th DAY OF SEPTEMBER 1979, AND KNOWN AS TRUST NUMBER 2421	10	
1NV0213	COMMONWEALTH EDISON COMPANY WHICH ACQUIRED TITLE AS THE PUBLIC SERVICE COMPANY OF NORTHERN ILLINOIS	11	
~~1NV0214~~	~~COMMONWEALTH EDISON COMPANY WHICH ACQUIRED TITLE AS THE PUBLIC SERVICE COMPANY OF NORTHERN ILLINOIS~~	12	Deleted
1NV0215	LOTUS 108 HOLDINGS LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	13	
1NV0216	CALATLANTIC GROUP, LLC A DELAWARE LIMITED LIABILITY COMPANY, SUCCESSOR BY CONVERSION TO CALATLANTIC GROUP, INC., SUCCESSOR BY MERGER TO THE RYLAND GROUP, INC.	14	
1NV0217	PRESTON PINES, LLC	14	
1NV0218	ADVOCATE SHERMAN HOSPITAL FORMERLY KNOWN AS THE SHERMAN HOSPITAL ASSOCIATION	15	
1NV0219	KENNETH E. PRZYBYLO, A SINGLE INDIVIDUAL	16	
1NV0220	BIG BROTHERS AND BIG SISTERS OF McHENRY COUNTY, INC.	17	
1NV0221	OLD NATIONAL BANK SUCCESSOR TO FIRST MIDWEST BANK AS SUCCESSOR TO McHENRY STATE BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED SEPTEMBER 20, 1979 KNOWN AS TRUST NO. 1878 WHICH ACQUIRED TITLE AS MCHENRY STATE BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED SEPTEMBER 21, 1979 KNOWN AS TRUST NO. 1878	18	
1NV0222	TOM NGUYEN AND NANCY NGUYEN, AS TRUSTEES OF THE NGUYEN FAMILY TRUST DATED NOVEMBER 7, 2013, AS TO AN UNDIVIDED 62% INTEREST AND CRYSTAL LAKE 31, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AS TO AN UNDIVIDED 38% INTEREST	18	
1NV0223	RONALD S. SMALL AND CORINNA M. SMALL, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	19	
1NV0224	CHRISTOPHER P. SCHUELER AND KRISTIN L. SCHUELER, AS TENANTS BY THE ENTIRETY	20	
1NV0225	DIANE SIEGWALD AND MARK SIEGWALD, AS HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	20	
1NV0226	CURT P. PETERSEN AND BETTY A. PETERSEN, AS CO-TRUSTEES OF THE PETERSEN LAND TRUST DATED MAY 3, 2021	21	
1NV0227	ANTHONY D. JONES AND NANATTE JONES, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	21	
1NV0228	MARTHA STAWIARSKI AND JAMES STAWIARSKI, AS TENANTS BY THE ENTIRETY	22	
1NV0229	JOSHUA P. DOYLE & SARAH E. DOYLE, AS TENANTS IN COMMON	22	
1NV0230	NANCY A. TOBER, AS TRUSTEE OF THE NANCY A. TOBER DECLARATION OF TRUST DATED NOVEMBER 28, 2000	23	
1NV0231	IVAN M. IRA	24	
1NV0232	DANIEL C. BODEA	24	
1NV0272	330 N, LLC	5	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

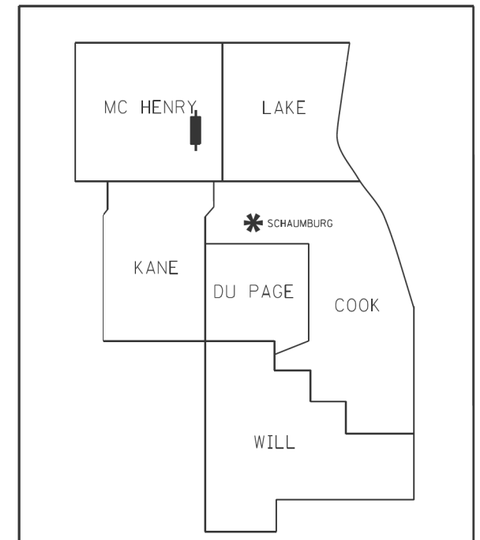
PLAT OF HIGHWAYS

ROUTE: ILLINOIS ROUTE 31
SECTION:
COUNTY: MCHENRY
LIMITS: IL–176 TO IL–120
JOB NO.: R–91–013–07



LOCATION MAP

PROJECT LENGTH = 5,867.92' = 1.111 MILES



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

RETURN ORIGINAL TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG ILLINOIS, 60169
ATTN: BUREAU OF LAND ACQUISITION

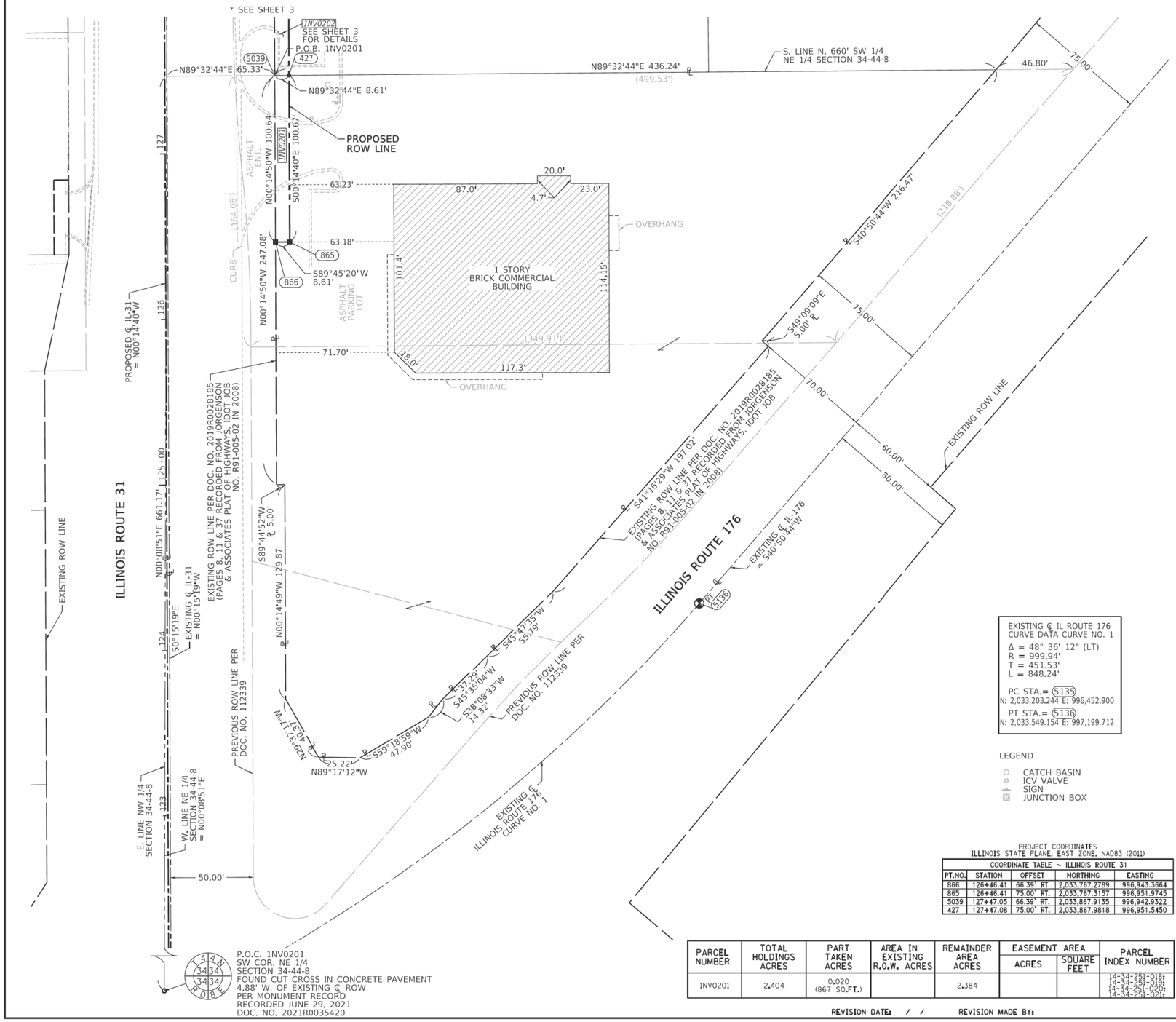
IDOT USE ONLY

APPROVED
By Miguel.Coreano at 10:20 am, Jul 08, 2023

MODEL: Default
FILE NAME: pw:\\quatrtfccc-pw.bentley.com:quatrtfccc-pw-07\Documents\IDOT\22177.019\12 Dos\dgn\12.3_CADD\SHEETS\C1-SHT-ROW-SOUTH-01.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED -						835 / 466
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO.
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE: / SHEET OF SHEETS / STA. / TO STA.			ILLINOIS	FED. AID PROJECT

PART OF THE NE 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

16 15 QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET 0 30

SCALE: 1" = 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2023 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL · NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

EXISTING ℄ IL ROUTE 176 CURVE DATA CURVE NO. 1
Δ = 48° 36' 12" (LT)
R = 999.94'
T = 451.53'
L = 848.24'
PC STA.= 5135
N: 2,033,203.244 E: 996,452.900
PT STA.= 5136
N: 2,033,549.154 E: 997,199.712

LEGEND
- CATCH BASIN
- ICV VALVE
- SIGN
- JUNCTION BOX

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
866	126+46.41	66.39' RT.	2,033,767.2789	996,943.3664
865	126+46.41	75.00' RT.	2,033,767.3157	996,951.9745
5039	127+47.05	66.39' RT.	2,033,867.9135	996,942.9322
427	127+47.08	75.00' RT.	2,033,867.9818	996,951.5450

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0201	2.404	0.020 (867 SQ.FT.)		2.384			14-34-251-018; 14-34-251-019; 14-34-251-020; 14-34-251-021;

REVISION DATE: / / REVISION MADE BY:

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 10:10 am, Jul 06, 2023

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 127+11.80 TO STA. 127+47.08
SCALE: 1" = 30' SHEET 2 OF 48 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
FILE NAME: pw:\\quattrocos-pw.bentley.com:quattrocos-pw-07\Documents\IDOT\22177.019\12 Design\12.3 CADD\SHEETS\C1-SHT-ROW-SOUTH-02.dgn

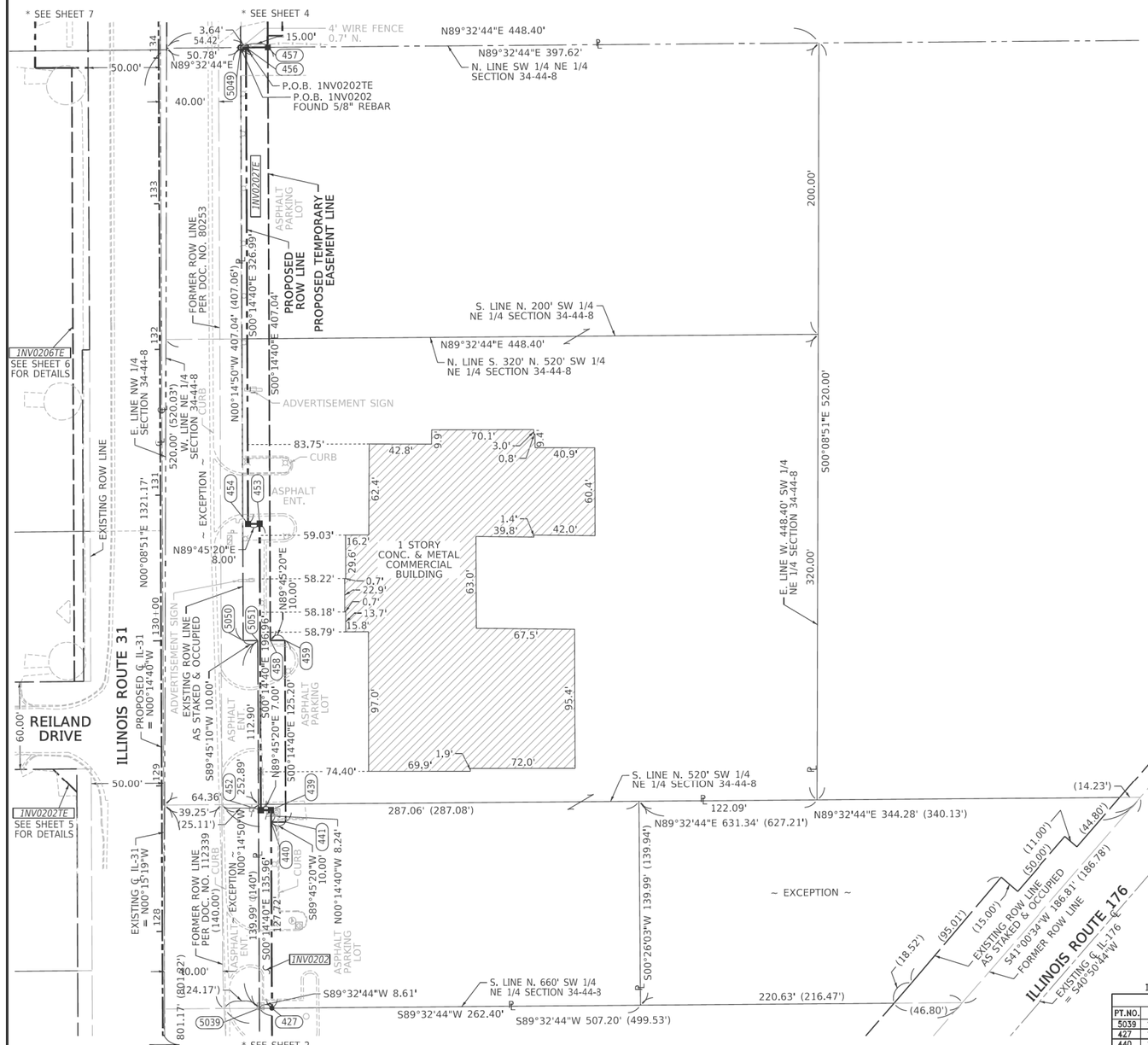
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	467
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE NE 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER — QUARTER SECTION CORNER

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
℄ APL	PROPERTY (DEED) LINE / APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
AC	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
129.32' / 129.32' (COMP) / (129.32')	MEASURED / COMPUTED / RECORDED DIMENSION
	EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 40

SCALE: 1" = 40'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039.) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____, ILLINOIS THIS __ DAY OF_____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- POWER POLE
- FLAG POLE
- GUY WIRE

P.O.C. 1NV0202
P.O.C. 1NV0202TE
SW COR. NE 1/4
SECTION 34-44-8
FOUND CUT CROSS
IN CONCRETE PAVEMENT
4.88' W. OF EXISTING ℄ ROW
PER MONUMENT RECORD
RECORDED JUNE 29, 2021
DOC. NO. 2021R0035420

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0202	5.542	0.080 (3,481 SQ.FT.)		5.462			14-34-251-016; 14-34-251-017; 14-34-251-024;
1NV0202TE					0.173	7,536	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
5039	127+47.05	66.39' RT.	2,033,867.9135	996,942.9322
427	127+47.08	75.00' RT.	2,033,867.9818	996,951.5450
440	128+74.80	75.00' RT.	2,033,995.7038	996,951.0001
441	128+74.80	85.00' RT.	2,033,995.7465	996,960.9997
452	128+83.04	68.00' RT.	2,034,003.9107	996,943.9647
439	128+83.04	75.00' RT.	2,034,003.9406	996,950.9650
5050	129+99.93	56.38' RT.	2,034,120.7553	996,931.8419
5051	129+99.93	66.37' RT.	2,034,120.7983	996,941.8413
458	130+00.00	75.00' RT.	2,034,120.9025	996,950.4656
459	130+00.00	85.00' RT.	2,034,120.9451	996,960.4655
454	130+80.00	60.00' RT.	2,034,200.8377	996,935.1245
453	130+80.00	68.00' RT.	2,034,200.8719	996,943.1244
5049	134+06.97	56.36' RT.	2,034,527.7918	996,930.0860
456	134+06.99	60.00' RT.	2,034,527.8215	996,933.7294
457	134+07.04	75.00' RT.	2,034,527.9405	996,948.7290

REVISION DATE: / / REVISION MADE BY:

IDOT USE ONLY

APPROVED
By coreanom at 9:11 am, Feb 14, 2022

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. 127+47.05 TO STA. 134+07.04
SCALE: 1" = 40' — SHEET 3 OF 48 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

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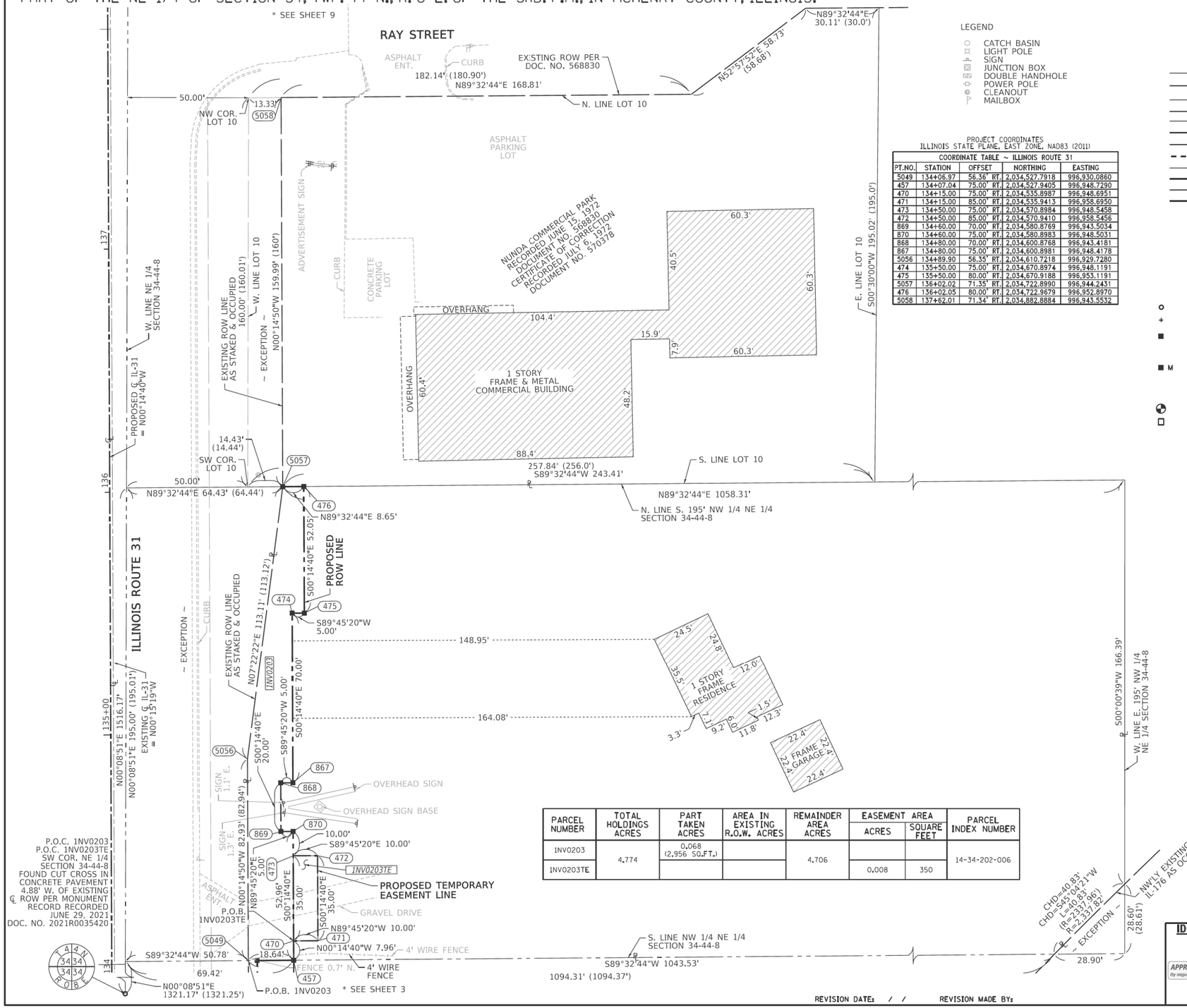
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	468
CONTRACT NO.				
ILLINOIS	FED. AID PROJECT			

PART OF THE NE 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- POWER POLE
- CLEANOUT
- MAILBOX

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
5049	134+06.97	56.36' RT.	2,034,527.7918	996,930.0860
457	134+07.04	75.00' RT.	2,034,527.9405	996,948.7290
470	134+15.00	75.00' RT.	2,034,535.8987	996,948.6951
471	134+15.00	85.00' RT.	2,034,535.9413	996,958.6950
473	134+50.00	75.00' RT.	2,034,570.8984	996,948.5458
472	134+50.00	85.00' RT.	2,034,570.9410	996,958.5456
869	134+60.00	70.00' RT.	2,034,580.8769	996,943.5034
870	134+60.00	75.00' RT.	2,034,580.8983	996,948.5031
868	134+80.00	70.00' RT.	2,034,600.8768	996,943.4181
867	134+80.00	75.00' RT.	2,034,600.8981	996,948.4178
5056	134+89.90	56.35' RT.	2,034,610.7218	996,929.7280
474	135+50.00	75.00' RT.	2,034,670.8974	996,948.1191
475	135+50.00	80.00' RT.	2,034,670.9188	996,953.1191
5057	136+02.02	71.35' RT.	2,034,722.8990	996,944.2431
476	136+02.05	80.00' RT.	2,034,722.9679	996,952.8970
5058	137+62.01	71.34' RT.	2,034,882.8884	996,943.5532

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0203	4.774	0.068 (2,956 SQ.FT.)		4.706			14-34-202-006
1NV0203TE					0.008	350	

LEGEND

SECTION CORNER (9 10 16 15) — QUARTER SECTION CORNER (16 15)

GRAPHIC SCALE FEET (0 20)

SCALE: 1" = 20'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE (AC)
- PROPOSED ACCESS CONTROL LINE (AC)
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2023 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. 134+06.97 TO STA. 137+62.30
SCALE: 1" = 20' — SHEET 4 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By miguel.coreano at 12:17 pm, Sep 18, 2024

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Default
FILE NAME: pw:\\ustathicxcpw.bentley.com:path\ticxcpw-07\Documents\IDOT\22177.01\12_Design\12-3_CADD\SHEETS\C1-SHT-ROW-SOUTH-04.dgn

USER NAME = bwitort	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/3/2024	DATE -	REVISED -

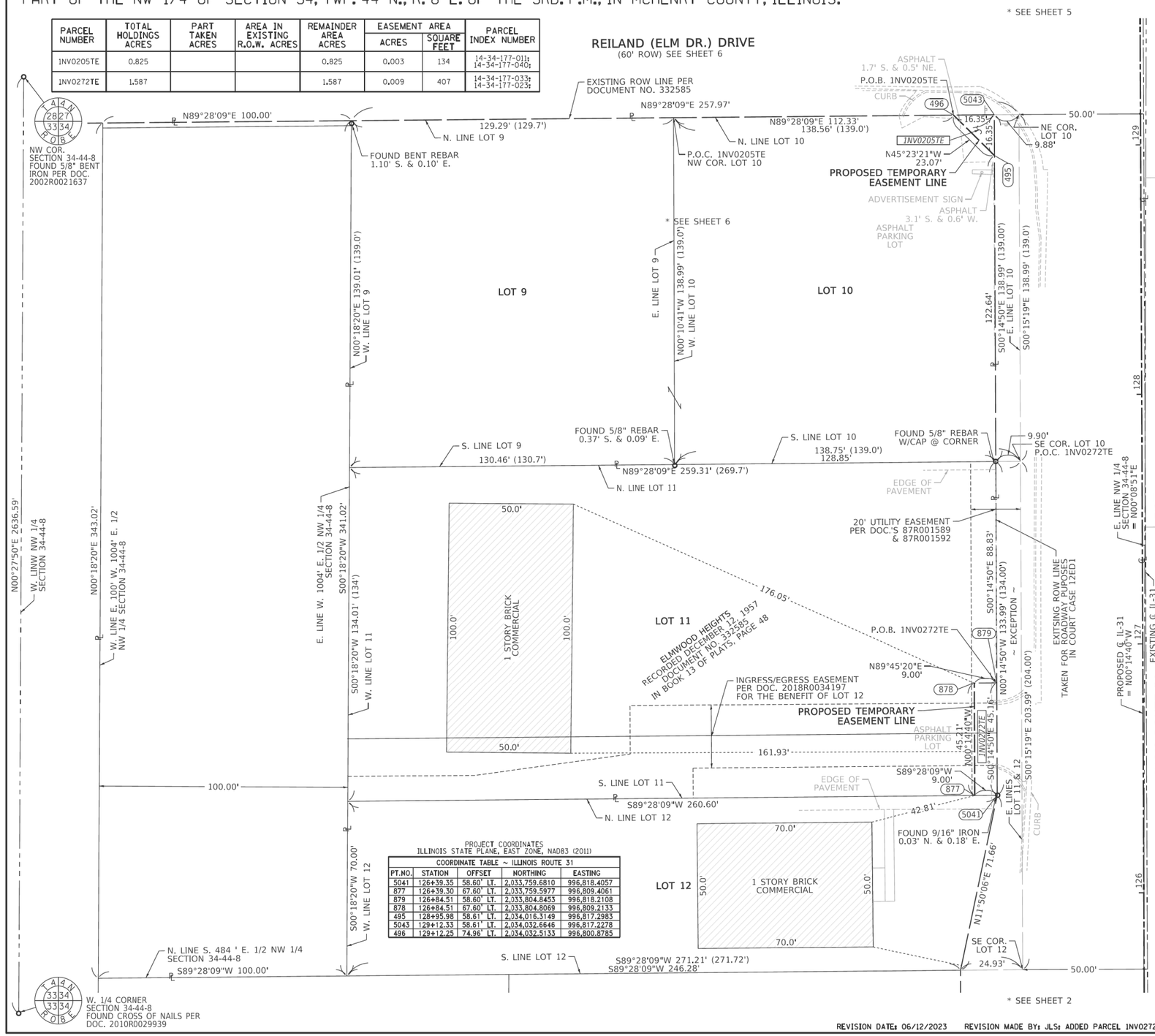
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	469
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE NW 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0205TE	0.825			0.825	0.003	134	14-34-177-011; 14-34-177-040;
1NV0272TE	1.587			1.587	0.009	407	14-34-177-033; 14-34-177-023;



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
5041	126+39.35	58.60' LT.	2,033,759.6810	996,818.4057
877	126+39.30	67.60' LT.	2,033,759.5977	996,809.4061
879	126+84.51	58.60' LT.	2,033,804.8453	996,818.2108
878	126+84.51	67.60' LT.	2,033,804.8069	996,809.2133
495	128+95.98	58.61' LT.	2,034,016.3149	996,817.2983
5043	129+12.33	58.61' LT.	2,034,032.6646	996,817.2278
496	129+12.25	74.96' LT.	2,034,032.5133	996,800.8785

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 20 — SCALE: 1" = 20'

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____. ILLINOIS THIS __ DAY OF_____ 2023 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN JOLIET, IL NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- POWER POLE
- CLEANOUT
- MAILBOX

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 10:10 am, Jul 06, 2023

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. 126+39.30 TO STA. 129+12.25
SCALE: 1" = 20' — SHEET 5 OF 48 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: 06/12/2023 REVISION MADE BY: JLS; ADDED PARCEL 1NV0272TE

USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	470
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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PART OF THE E. 1/2 NW 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0206	10.791	0.010 (426 SQ.FT.)		10.781			14-34-176-017
1NV0206TE					0.083	3,636	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
503	129+72.32	60.00' LT.	2,034,092.6485	996,815.5853
859	129+72.35	53.61' LT.	2,034,092.7077	996,821.9714
858	131+99.91	53.62' LT.	2,034,320.2667	996,820.9897
5047	131+99.92	48.63' LT.	2,034,320.2883	996,825.9863
505	133+93.50	48.81' LT.	2,034,513.8754	996,824.9733
504	133+93.50	60.00' LT.	2,034,513.8277	996,813.7883
506	133+93.50	85.00' LT.	2,034,513.7210	996,788.7886
507	134+05.18	85.00' LT.	2,034,525.3929	996,788.7388
5048	134+05.36	48.83' LT.	2,034,525.7280	996,824.9113

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- POWER POLE
- MANHOLE
- MAILBOX

P.O.C 1NV0206
P.O.C 1NV0206TE
NE COR. NW 1/4
SECTION 34-44-8
FOUND CROSS OF MAG NAILS
PER MONUMENT RECORD
RECORDED JUNE 29, 2021
DOC. NO. 2021R0035420

KELLY WOODS
RECORDED JULY 6, 1995
DOCUMENT NO. 95R026746
CERTIFICATE OF CORRECTION
RECORDED FEBRUARY 22, 1996
DOCUMENT NO. 96R008564 &
RECORDED JULY 15, 1997
DOCUMENT NO. 97R033106

LOT 52

* SEE SHEET 7

SE COR. LOT 52

SIDEWALK 2.5' N.

N89°28'09"E 1267.07'

N. LINE S. 1320' E. 1/2
NW 1/4 SECTION 34-44-8

1322.33'

50.00'
54.40'
S89°28'09"W

36.17'
36.19'
S89°45'20"W
25.00'
N00°14'40"W 11.67'
RAMP

11.19'

PROPOSED
ROW LINE

CONCRETE & BRICK
PEDESTAL AUTOMOTIVE
DISPLAY PAD

1NV0206

1NV0206TE

P.O.B. 1NV0206
FOUND 5/8" REBAR
0.05' S. & 0.14' E.

P.O.B. 1NV0206TE
S00°17'59"E 11.85'

CURB

EDGE OF ASPHALT

S00°17'59"E 193.59'
S00°17'59"E 205.44' (205.45')

EXISTING ROW LINE
AS STAKED & OCCUPIED

~ EXCEPTION ~

PROPOSED TEMPORARY
EASEMENT LINE

S89°45'10"W
5.00'

E. LINE NW 1/4
SECTION 34-44-8

N00°08'51"E 330.00' (330.02')

W. LINE NE 1/4
SECTION 34-44-8

ASPHALT
CAR LOT

CONCRETE & BRICK
PEDESTAL AUTOMOTIVE
DISPLAY PAD

N00°14'40"W 421.18'

FOUND 5/8" REBAR W/CAP
0.10' N. & 0.17' W.

S00°10'56"E 124.54' (124.55') (227.58')

FOUND 5/8" REBAR W/CAP
0.10' N. & 0.06' W/

PROPOSED ℄ IL-31
= N00°14'40"W

EXISTING ℄ IL-31
= N00°15'19"W

ILLINOIS ROUTE 31

N00°08'51"E 2642.34'

108.97'
99.14'
98.13'

42.2'
24.1'
24.0'
14.6'
7.4'
7.4'
2.1'
42.6'
106.9'
2.1'
7.5'
7.2'
27.7'
26.9'
87.0'

S89°28'09"W 1270.30' 162.30'

S89°28'09"W 760.55'

N. LINE S. 990' E. 1/2
NW 1/4 SECTION 34-44-8

(120.0')
(130.0')
(140.0')

ELMWOOD HEIGHTS
RECORDED DECEMBER 12, 1957
DOCUMENT NO. 332585
BOOK 13 OF PLATS, PAGE 48

LOT 5
LOT 6
LOT 7
LOT 8

1 STORY
CONCRETE
COMMERCIAL
BUILDING

ADVERTISEMENT SIGN

ASPHALT
CAR LOT

N00°18'23"W 103.00'
(103.0')
80.0'
132.0'

NE COR. LOT 8

52.08'
S89°28'09"W

S00°14'50"E 227.56'
S00°15'19"E 103.00'

CONCRETE & BRICK
PEDESTAL AUTOMOTIVE
DISPLAY PAD

RAMP

S. LINE
LOT 8

SE COR. LOT 8
FOUND 5/8" REBAR
0.17' E. & ON LINE

ASPHALT
ENT.

503
859
4.87'
S89°28'09"W
6.39'

50.00'

N00°08'51"E 990.01' (990.07')

S89°28'09" 504.79'

EXISTING ROW LINE PER
DOCUMENT NO. 332585

FOUND 9/16" IRON
@ CORNER

60.00'

REILAND (ELM DR.) DRIVE

EXISTING ROW LINE PER
DOCUMENT NO. 332585

* SEE SHEET 5

SE COR. NW 1/4 SECTION 34-44-8
FOUND CUT CROSS IN CONCRETE PAVEMENT
4.88' W. OF EXISTING ℄ ROW
PER MONUMENT RECORD
RECORDED JUNE 29, 2021
DOC. NO. 2021R0035420

REVISION DATE: / / REVISION MADE BY:

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET
0 30
SCALE: 1" = 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

129.32'
129.32' (COMP)
(129.32')

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____. ILLINOIS THIS __ DAY OF_____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL · NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

IDOT USE ONLY

APPROVED
By coreanom at 1:36 pm, Jun 21, 2022

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 129+72.32 TO STA. 134+05.36
SCALE: 1" = 30' SHEET 6 OF 48 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
FILE NAME: pw:\\plantfiles.bentley.com:plantfiles-pw-bentley.com\Documents\IDOT\22177\019\12 Dsdlgn\12-3 CAD\SHEETS\C1-SHT-ROW-SOUTH-06.dgn

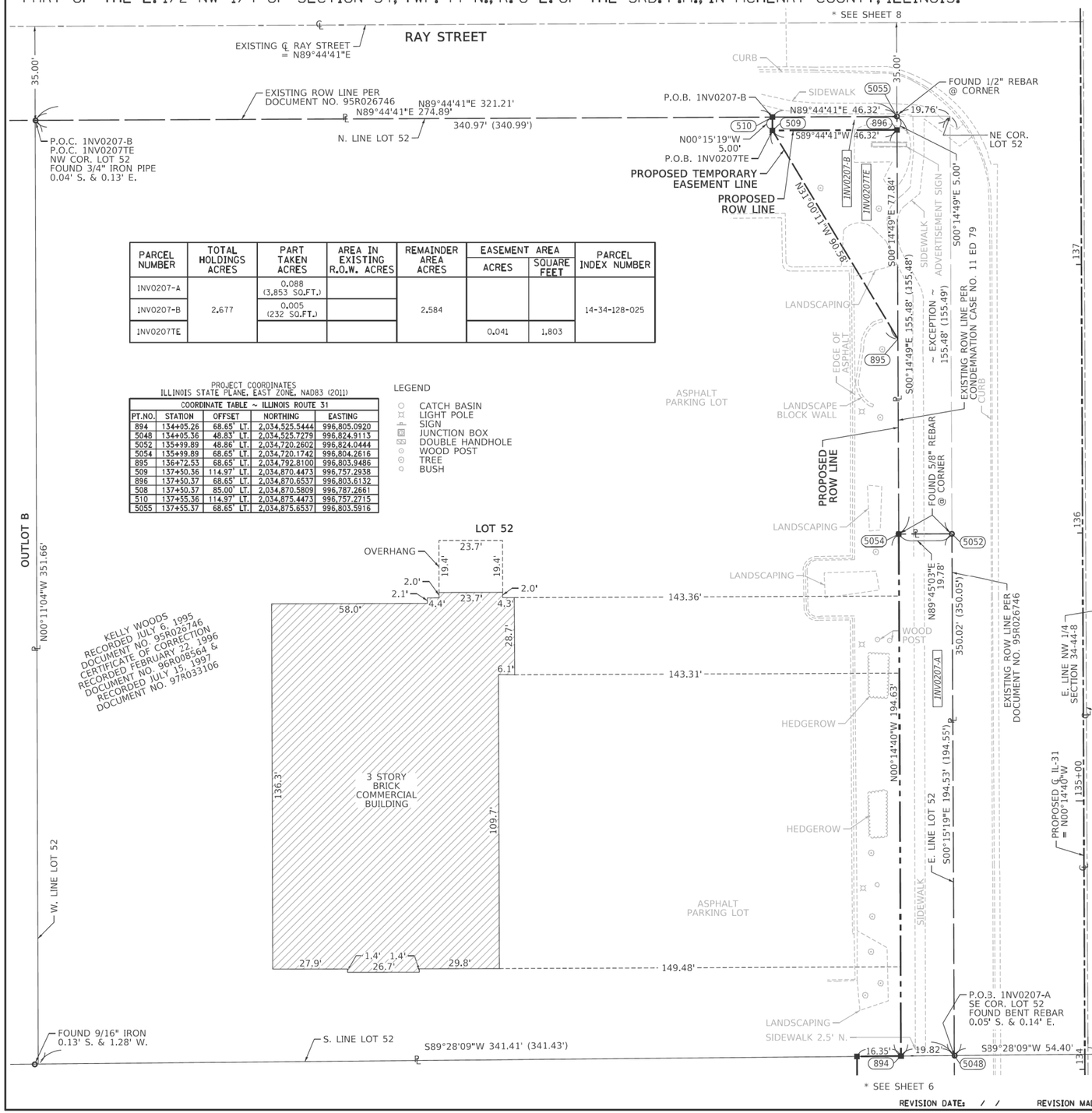
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	471
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE E. 1/2 NW 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0207-A	2.677	0.088 (3,853 SQ.FT.)		2.584			14-34-128-025
1NV0207-B		0.005 (232 SQ.FT.)					
1NV0207TE					0.041	1,803	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
894	134+05.26	68.65' LT.	2,034,525.5444	996,805.0920
5048	134+05.36	48.83' LT.	2,034,525.7279	996,824.9113
5052	135+99.89	48.86' LT.	2,034,720.2602	996,824.0444
5054	135+99.89	68.65' LT.	2,034,720.1742	996,804.2616
895	136+72.53	68.65' LT.	2,034,792.8100	996,803.9486
509	137+50.36	114.97' LT.	2,034,870.4473	996,757.2938
896	137+50.37	68.65' LT.	2,034,870.6537	996,803.6132
508	137+50.37	85.00' LT.	2,034,870.5809	996,787.2661
510	137+55.36	114.97' LT.	2,034,875.4473	996,757.2715
5055	137+55.37	68.65' LT.	2,034,875.6537	996,803.5916

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- TREE
- BUSH

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE (AC)
- PROPOSED ACCESS CONTROL LINE (AC)
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE FEET 0 20
SCALE: 1" = 20'

1NV0204 SEE SHEET 4 FOR DETAILS



SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, I'WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____. ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL · NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. 134+05.18 TO STA. 137+55.37
SCALE: 1" = 20' — SHEET 7 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 12:19 pm, Jul 08, 2024

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Default
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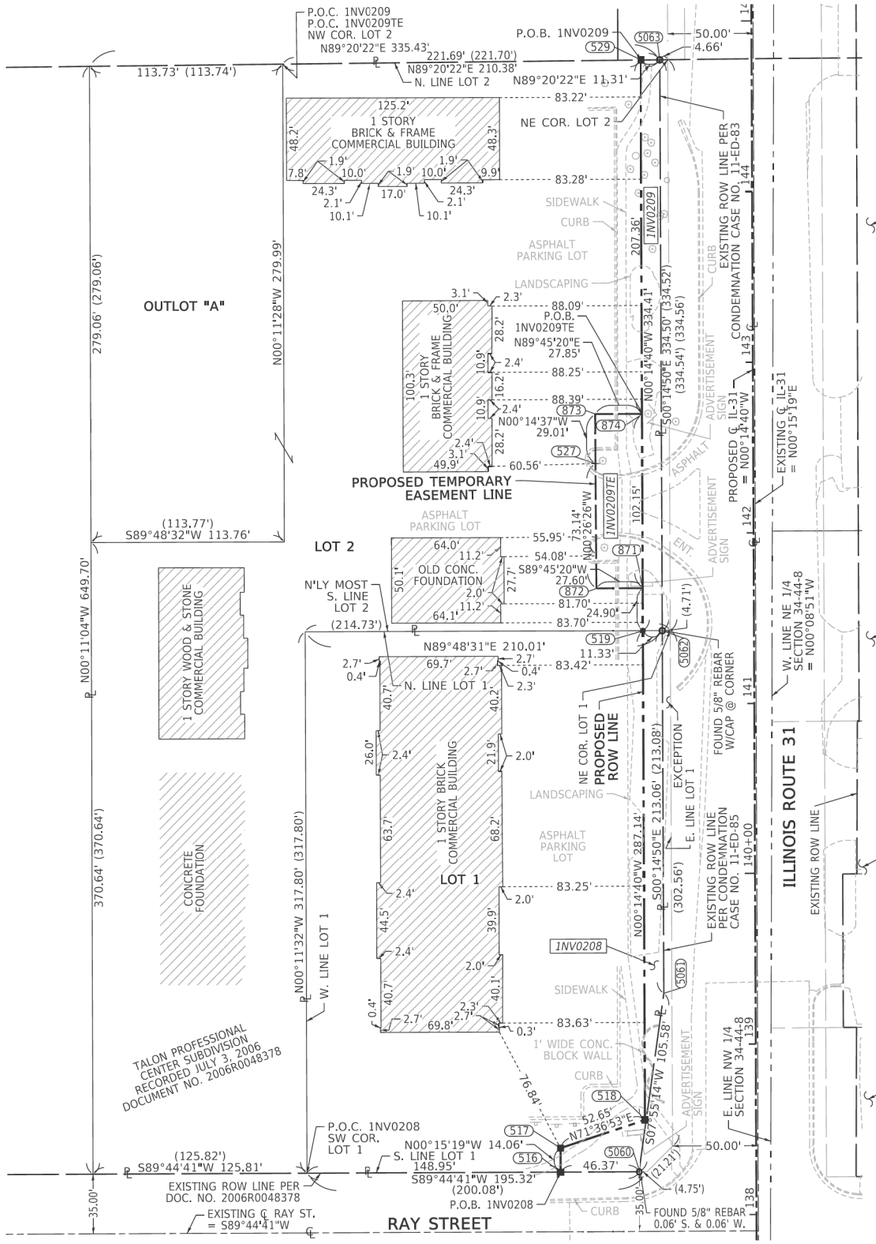
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	472
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE NW 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0208	1.515	0.090 (3,929 SQ.FT.)		1.425			14-34-127-015
1NV0209	• 3.484	0.087 (3,786 SQ.FT.)		3.398			14-34-130-002; & 14-34-130-019;
1NV0209TE					0.065	2,836	

• TOTAL HOLDING INCLUDES BUILDING FOOTPRINTS.

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
516	138+25.36	115.03' LT.	2,034,945.4422	996,756.9197
5060	138+25.37	68.66' LT.	2,034,945.6486	996,803.2896
517	138+39.42	115.03' LT.	2,034,959.5012	996,756.8570
518	138+55.81	65.00' LT.	2,034,976.1060	996,806.8160
5061	139+29.87	53.66' LT.	2,035,050.2163	996,817.8378
5062	141+42.94	53.67' LT.	2,035,263.2785	996,816.9178
519	141+42.95	65.00' LT.	2,035,263.2407	996,805.5909
871	141+67.85	65.00' LT.	2,035,288.1445	996,805.4847
872	141+67.85	92.60' LT.	2,035,288.0268	996,777.8849
527	142+40.99	92.85' LT.	2,035,361.1626	996,777.3224
873	142+70.00	92.85' LT.	2,035,390.1748	996,777.1991
874	142+70.00	65.00' LT.	2,035,390.2936	996,805.0489
529	144+77.36	65.00' LT.	2,035,597.6492	996,804.1642
5063	144+77.44	53.69' LT.	2,035,597.7793	996,815.4749

LEGEND

- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- TREE
- BUSH

LEGEND

SECTION CORNER (9 10 16 15) — QUARTER SECTION CORNER (16 15)

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE (AC)
- PROPOSED ACCESS CONTROL LINE (AC)
- MEASURED DIMENSION — 129.32'
- COMPUTED DIMENSION — 129.32' (COMP)
- RECORDED DIMENSION — (129.32')
- EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 40

SCALE: 1" = 40'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____. ILLINOIS THIS __ DAY OF _____ 2023 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — PROFESSIONAL LAND SURVEYOR — DAVID A. CLAASSEN JOLIET, IL NO. 2962

CWA SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. 138+25.36 TO STA. 144+77.44
SCALE: 1" = 40' — SHEET 8 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Goreano at 10:10 am, Jul 06, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Default
FILE NAME: pw:\\antfcxcspw.bentley.com:antfcxcspw-02\Documents\IDOT\22177\01912 Design\12.3 CAD\SHEETS\C1-SHT-ROW-SOUTH-08.dgn

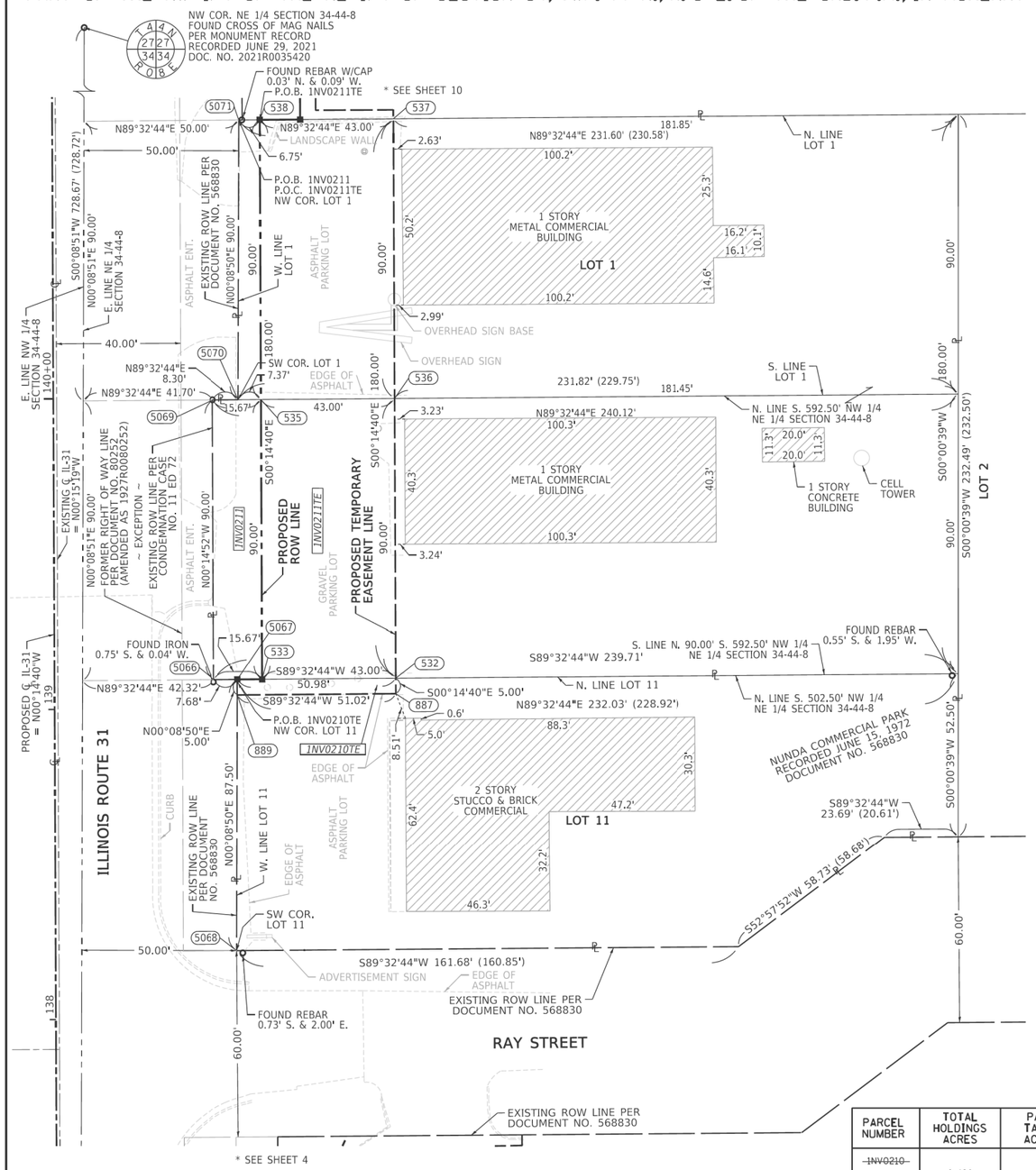
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	473
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE NW 1/4 OF THE NE 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
5068	138+21.36	58.42' RT.	2,034,942.7828	996,930.3760
889	139+04.46	58.98' RT.	2,035,025.2819	996,930.5881
887	139+04.54	110.00' RT.	2,035,025.6835	996,981.6057
5066	139+09.43	51.33' RT.	2,035,030.2213	996,922.9184
5067	139+09.46	59.02' RT.	2,035,030.2822	996,930.6010
534	139+09.47	64.00' RT.	2,035,030.3217	996,935.5855
533	139+09.49	67.00' RT.	2,035,030.3455	996,938.5858
532	139+09.54	110.00' RT.	2,035,030.6866	996,981.5843
5069	139+99.42	51.33' RT.	2,035,120.2151	996,922.5294
5070	139+99.45	59.63' RT.	2,035,120.2811	996,930.8329
535	139+99.48	67.00' RT.	2,035,120.3399	996,938.2018
536	139+99.54	110.00' RT.	2,035,120.6810	996,981.2004
5071	140+89.45	60.25' RT.	2,035,210.2807	996,931.0649
538	140+89.48	67.00' RT.	2,035,210.3343	996,937.8178
537	140+89.63	110.00' RT.	2,035,210.6753	996,980.8164

LEGEND

- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- LANDSCAPE BOULDER

LEGEND

- SECTION CORNER
- 16 QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE (AC)
- PROPOSED ACCESS CONTROL LINE (AC)
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 20
SCALE: 1" = 20'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____. ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
~~1NV0210~~	0.428			0.428			14-34-201-006
1NV0210TE					0.006	255	
1NV0211	0.974	0.047 (2,046 SQ.FT.)		0.927			14-34-201-004 & 14-34-201-021
1NV0211TE					0.178	7,740	

REVISION DATE: / / REVISION MADE BY:

IDOT USE ONLY

APPROVED
By Miguel.Corvano at 8:20 am, Jun 21, 2024

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 138+21.96 TO STA. 140+89.63
SCALE: 1" = 20' SHEET 9 OF 48 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
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USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	474
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE NW 1/4 OF THE NE 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0212	4.862	0.048 (2,085 SQ.FT.)		4.814			14-34-201-019
1NV0212TE					0.009	396	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
5072	140+89.45	61.32' RT.	2,035,210.2887	996,932.1409
539	140+89.52	80.00' RT.	2,035,210.4374	996,950.8172
537	140+89.63	110.00' RT.	2,035,210.6753	996,980.8164
541	140+92.50	85.00' RT.	2,035,213.4384	996,955.8045
540	140+92.50	110.00' RT.	2,035,213.5451	996,980.8042
543	141+54.10	80.00' RT.	2,035,275.0133	996,950.5417
542	141+54.10	85.00' RT.	2,035,275.0346	996,955.5417
5073	142+01.07	61.32' RT.	2,035,321.8990	996,931.6589
544	142+01.11	80.00' RT.	2,035,322.0223	996,950.3412

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- LANDSCAPE BOUNDER

LEGEND

SECTION CORNER

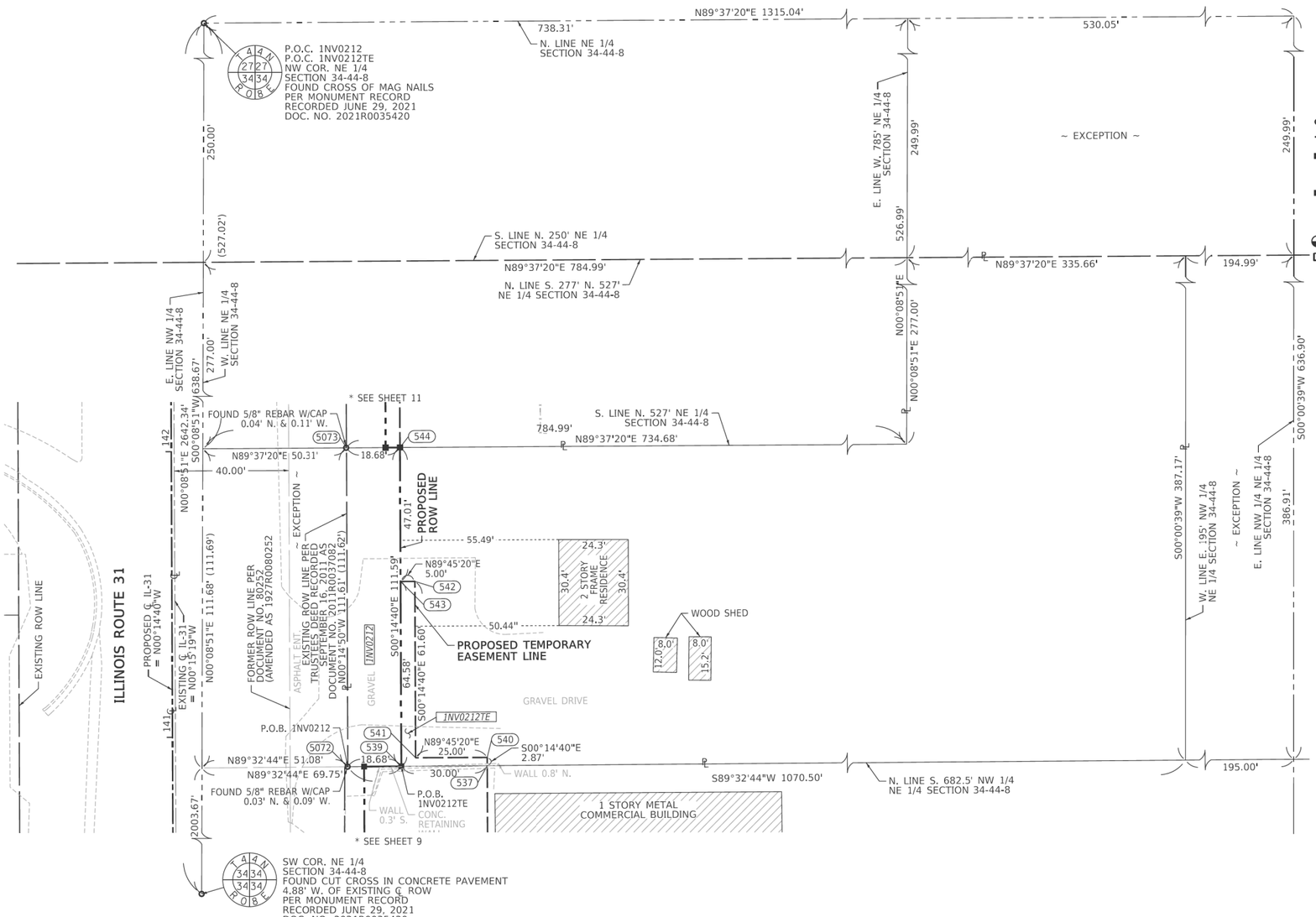
QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET 0 20

SCALE: 1" = 20'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING



- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720
claassenwhiteandcwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 140+89.45 TO STA. 142+01.11
SCALE: 1" = 20' SHEET 10 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 9:11 am, Feb 14, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Default
FILE NAME: pw:\\bat1.ic-ce-pw.bentley.com:bat1-ic-ce-pw-07\Documents\IDOT\221770\01912 Design\12-3 CADD\SHEETS\C1-SHT-ROW-SOUTH-10.dgn

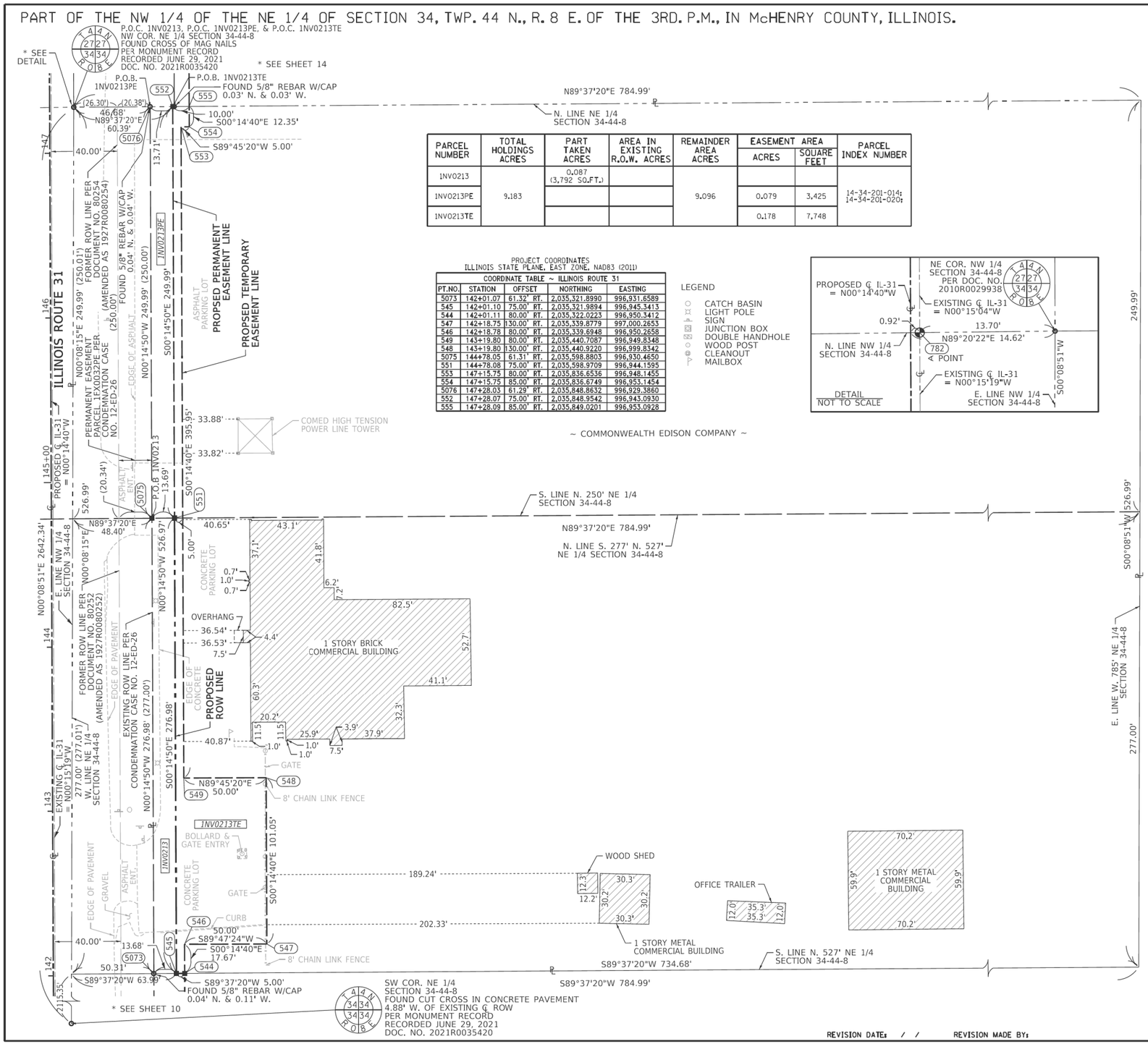
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	475
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE NW 1/4 OF THE NE 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0213	9.183	0.087 (3,792 SQ.FT.)		9.096			14-34-201-014; 14-34-201-020;
1NV0213PE					0.079	3,425	
1NV0213TE					0.178	7,748	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
5073	142+01.07	61.32' RT.	2,035,321.8990	996,931.6589
545	142+01.10	75.00' RT.	2,035,321.9894	996,945.3413
544	142+01.11	80.00' RT.	2,035,322.0223	996,950.3412
547	142+18.75	130.00' RT.	2,035,339.8779	997,000.2653
546	142+18.78	80.00' RT.	2,035,339.6948	996,950.2658
549	143+19.80	80.00' RT.	2,035,440.7087	996,949.8348
548	143+19.80	130.00' RT.	2,035,440.9220	996,999.8342
5075	144+78.05	61.31' RT.	2,035,598.8803	996,930.4650
551	144+78.08	75.00' RT.	2,035,598.9709	996,944.1595
553	147+15.75	80.00' RT.	2,035,836.6536	996,948.1455
554	147+15.75	85.00' RT.	2,035,836.6749	996,953.1454
5076	147+28.03	61.29' RT.	2,035,848.8632	996,929.3860
552	147+28.07	75.00' RT.	2,035,848.9542	996,943.0930
555	147+28.09	85.00' RT.	2,035,849.0201	996,953.0928

~ COMMONWEALTH EDISON COMPANY ~

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION (129.32')
- COMPUTED DIMENSION (129.32' (COMP))
- RECORDED DIMENSION ((129.32'))
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 30
SCALE: 1" = 30'

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
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SURVEY NOTES:
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. 142+00.95 TO STA. 147+28.09
SCALE: 1" = 30' — SHEET 11 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 9:11 am, Feb 14, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	476
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
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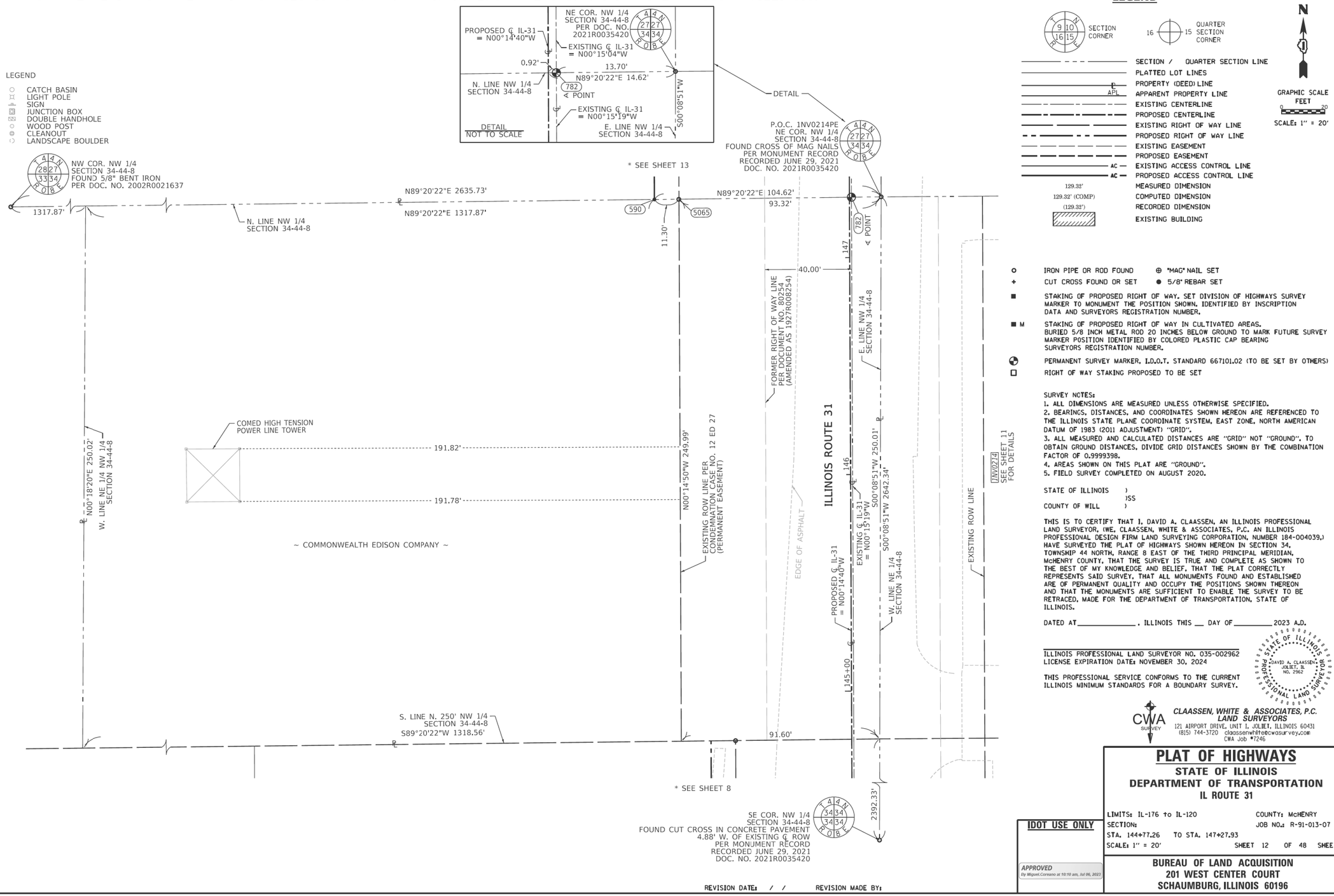
PART OF THE NE 1/4 OF THE NW 1/4 OF SECTION 34, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER — QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
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- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 20 — SCALE: 1" = 20'

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY. THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2023 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. 144+77.26 TO STA. 147+27.93
SCALE: 1" = 20' — SHEET 12 OF 48 SHEETS

IDOT USE ONLY
APPROVED
By Miguel.Corsano at 10:10 am, Jul 06, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / — REVISION MADE BY:

MODEL: Default
FILE NAME: pw:\\bwitort\ckcc-pw.bentley.com:pair1ckcc-pw-07\Documents\IDOT\22177.01\12 Design\12-3 CADD\SHEETS\C1-SHT-ROW-50UTH-12.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: — SHEET OF SHEETS — STA. — TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	477
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SW 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0215	12.979	1.097 (47,780 SQ.FT.)		11.883			14-27-376-021
1NV0215TE					0.018	793	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
590	147+27.17	90.00' LT.	2,035,847.3503	996,778.0987
5065	147+27.25	78.70' LT.	2,035,847.4806	996,789.3989
5081	148+99.81	39.10' LT.	2,036,020.2119	996,828.2630
5080	148+99.81	78.71' LT.	2,036,020.0409	996,788.6545
606	149+99.80	90.00' LT.	2,036,119.9759	996,776.9355
607	149+99.80	120.00' LT.	2,036,119.8479	996,746.9358
609	154+99.79	56.00' LT.	2,036,620.1154	996,808.8019
611	154+99.79	100.00' LT.	2,036,619.9276	996,764.8024
608	154+99.79	120.00' LT.	2,036,619.8423	996,744.8026
612	155+17.49	100.00' LT.	2,036,637.6220	996,764.7269
610	155+18.13	56.00' LT.	2,036,638.4466	996,808.7237
5082	155+18.37	39.17' LT.	2,036,638.7617	996,825.5533

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

LOT 4
N88°55'34"E 726.04' (726.08')
665.20'
S. LINE WOLF MEDICAL CENTER RECORDED JUNE 29, 2001 AS DOCUMENT NO. 2001R0045098
OUTLOT "A"
* SEE SHEET 17
S. LINE LOT 1
P.O.B. 1NV0215TE
P.O.C. 1NV0215TE SE COR. LOT 1
40.00'
LOT 1
612 610
44.01'
1NV0215TE
44.00'
N00°14'40"W 17.69'
611
608
N89°45'20"E 64.00'
609
5082
PROPOSED TEMPORARY EASEMENT LINE
N00°14'40"W 18.33'
16.83'
155+00
154
153
152
151
150+00
149
148
N00°15'04"E 785.59'
N00°14'40"W 500.00'
EXISTING ROW LINE PER DOCUMENT NO. 80237 (AMENDED AS 1927R0080237)
500°15'04"E 618.56'
E. LINE SW 1/4 SECTION 27-44-8
W. LINE SE 1/4 SECTION 27-44-8
500°15'04"E 790.83' (790.88')
PROPOSED ℄ IL-31 = N00°14'40"W
EXISTING ℄ IL-31 = N00°15'04"W
ILLINOIS ROUTE 31
EXISTING ROW LINE
1NV0218
SEE SHEET 15 FOR DETAILS
1NV0217
SEE SHEET 14 FOR DETAILS
1NV0216
SEE SHEET 14 FOR DETAILS
1NV0215
PROPOSED ROW LINE
S89°45'20"W 30.00'
607
606
S89°45'10"W 39.61'
5080
5081
N00°14'40"W 272.63'
S00°14'50"E 172.56'
EXISTING RIGHT OF WAY ~ EXCEPTION ~ 172.28' (172.29')
FORMER RIGHT OF WAY PER DOCUMENT NO. 80237
40.00'
P.O.B. 1NV0215 = FOUND 5/8" REBAR W/CAP 0.06' S. & 0.07' W.
S89°20'22"W 11.30'
590
5065
39.62'
53.70'
S89°20'22"W 93.32'
* SEE SHEET 12
SW COR. SW 1/4 SECTION 27-44-8 FOUND 5/8" BENT IRON PER DOC. NO. 2002R0021637
1856.06'
S. LINE SW 1/4 SECTION 27-34-8
675.06'
S89°20'22"W 725.98' (726.08')
S89°20'22"W 686.36'
S89°20'22"W 2635.73'
P.O.C. 1NV0215 SE COR. SW 1/4 SECTION 27-44-8 FOUND CROSS OF MAG NAILS PER MONUMENT RECORD RECORDED JUNE 29, 2021 DOC. NO. 2021R0035420

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
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- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 40
SCALE: 1" = 40'

129.32'
129.32' (COMP)
(129.32')

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

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DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 147+27.17 TO STA. 155+18.37
SCALE: 1" = 40' SHEET 13 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 9:11 am, Feb 14, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / /
REVISION MADE BY:

MODEL: Default
FILE NAME: pw:\\bwitt.ic-cw-pw.bentley.com:bwitt-ic-cwpw-07\Documents\IDOT\22177.01\PS Design\12.3 CADD\SHEETS\CL-SHT-ROW-SOUTH-13.dgn

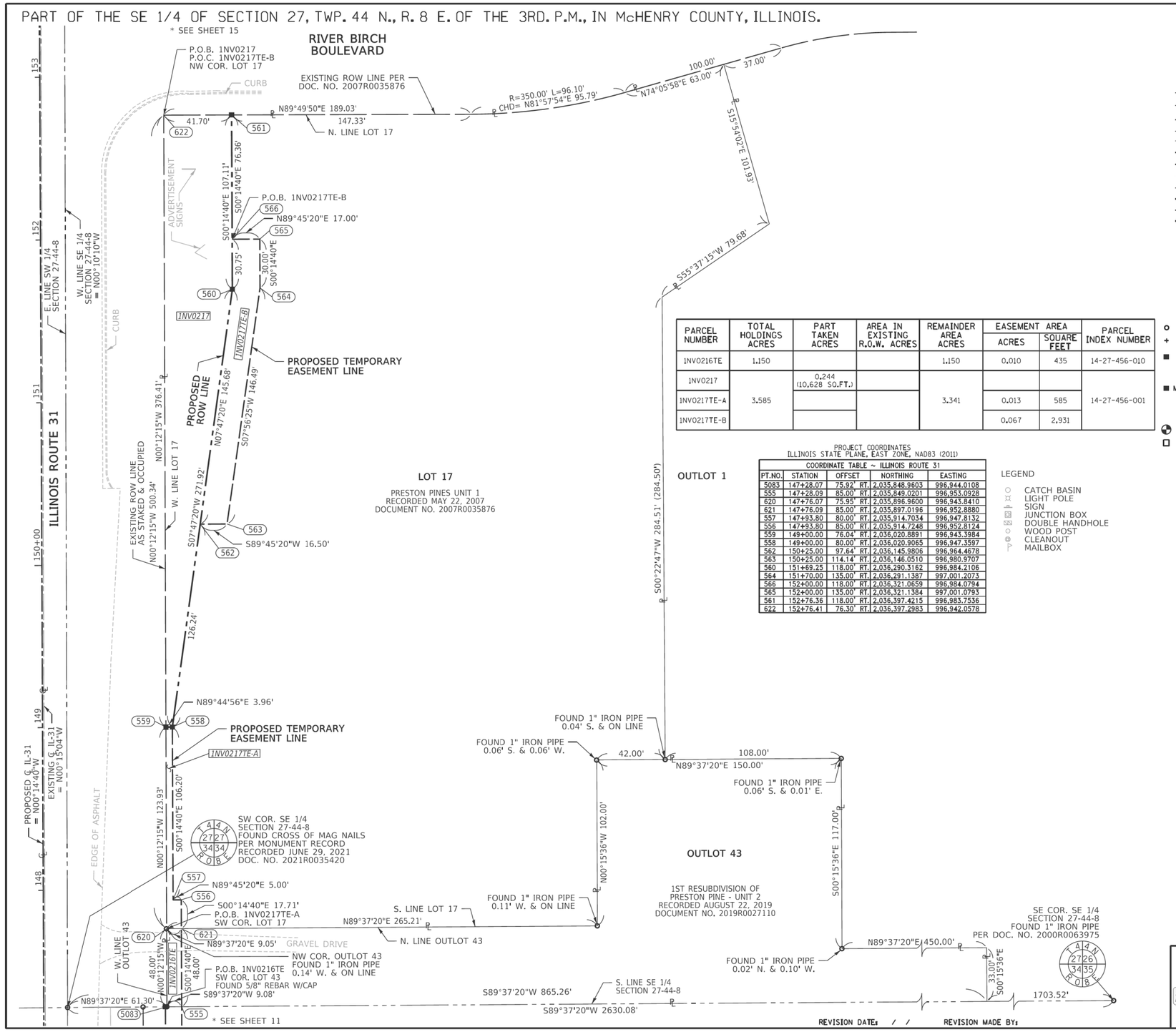
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	478
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

PART OF THE SE 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 30

SCALE: 1" = 30'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0216TE	1.150			1.150	0.010	435	14-27-456-010
1NV0217	3.585	0.244 (10,628 SQ.FT.)		3.341			14-27-456-001
1NV0217TE-A					0.013	585	
1NV0217TE-B					0.067	2,931	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
5083	147+28.07	75.92' RT.	2,035,848.9603	996,944.0108
555	147+28.09	85.00' RT.	2,035,849.0201	996,953.0928
620	147+76.07	75.95' RT.	2,035,896.9600	996,943.8410
621	147+76.09	85.00' RT.	2,035,897.0196	996,952.8880
557	147+93.80	80.00' RT.	2,035,914.7034	996,947.8132
556	147+93.80	85.00' RT.	2,035,914.7248	996,952.8124
559	149+00.00	76.04' RT.	2,036,020.8891	996,943.3984
558	149+00.00	80.00' RT.	2,036,020.9065	996,947.3597
562	150+25.00	97.64' RT.	2,036,145.9806	996,964.4678
563	150+25.00	114.14' RT.	2,036,146.0510	996,980.9707
560	151+69.25	118.00' RT.	2,036,290.3162	996,984.2106
564	151+70.00	135.00' RT.	2,036,291.1387	997,001.2073
566	152+00.00	118.00' RT.	2,036,321.0659	996,984.0794
565	152+00.00	135.00' RT.	2,036,321.1384	997,001.0793
561	152+76.36	118.00' RT.	2,036,397.4215	996,983.7536
622	152+76.41	76.30' RT.	2,036,397.2983	996,942.0578

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. 147+28.07 TO STA. 152+76.41
SCALE: 1" = 30' — SHEET 14 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 10:36 am, May 25, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

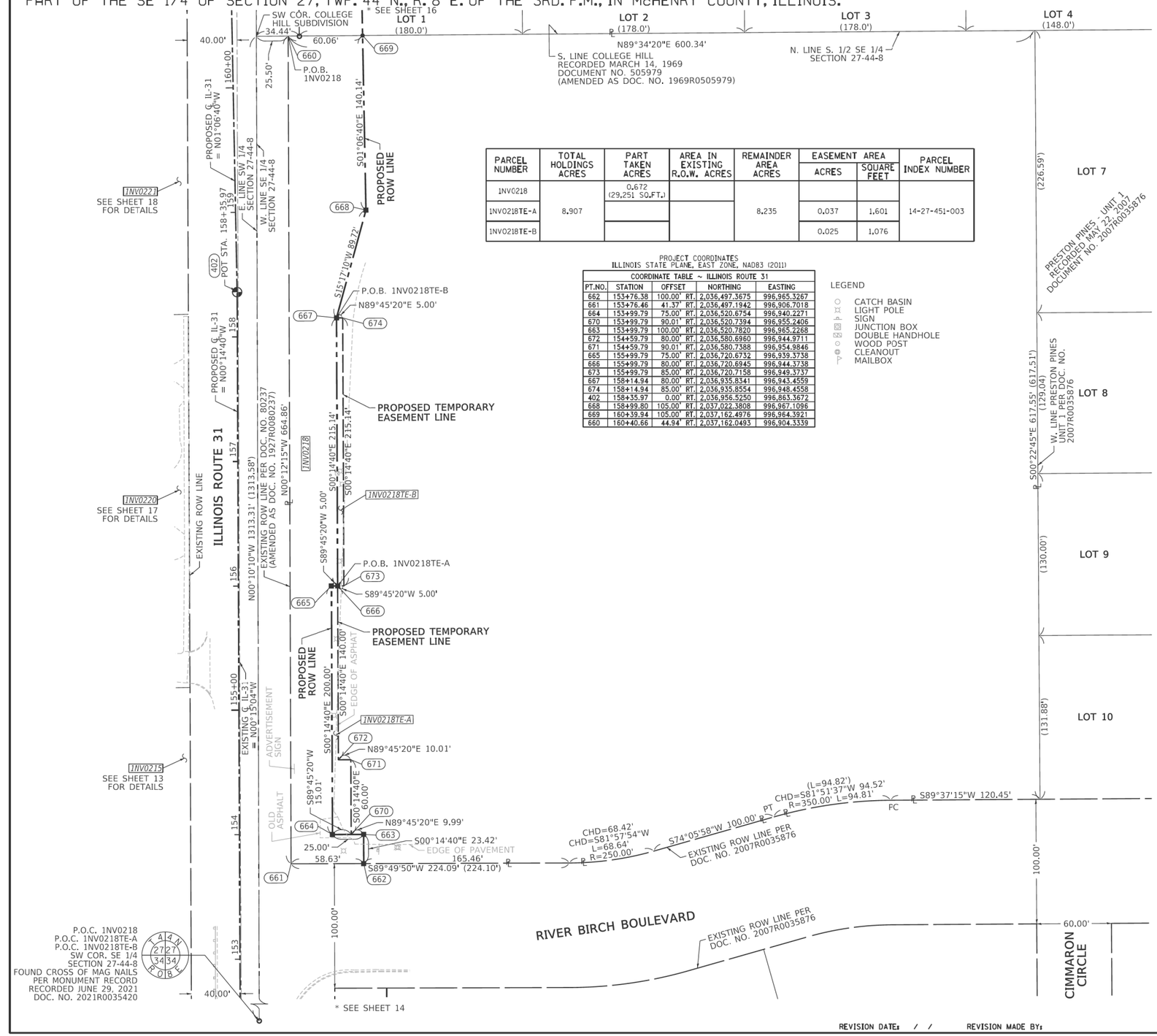
MODEL: Default
FILE NAME: pw:\\iustaff.ksco-pw.bentley.com:iustaff-ksco-pw-07\Documents\IDOT\22177.01\912_Design\12-3_CADD\SHEETS\C1-SHT-ROW-SOUTH-14.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
	DRAWN -	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			
PLOT DATE = 10/3/2024	DATE -	REVISED -			

SCALE:	SHEET OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	479
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

PART OF THE SE 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0218	8.907	0.672 (29,251 SQ.FT.)		8.235			14-27-451-003
1NV0218TE-A					0.037	1,601	
1NV0218TE-B					0.025	1,076	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET		NORTHING	EASTING
662	153+76.38	100.00'	RT.	2,036,497.3675	996,965.3267
661	153+76.46	41.37'	RT.	2,036,497.1942	996,906.7018
664	153+99.79	75.00'	RT.	2,036,520.6754	996,940.2271
670	153+99.79	90.01'	RT.	2,036,520.7394	996,955.2406
663	153+99.79	100.00'	RT.	2,036,520.7820	996,965.2268
672	154+59.79	80.00'	RT.	2,036,580.6960	996,944.9711
671	154+59.79	90.01'	RT.	2,036,580.7388	996,954.9846
665	155+99.79	75.00'	RT.	2,036,720.6732	996,939.3738
666	155+99.79	80.00'	RT.	2,036,720.6945	996,944.3738
673	155+99.79	85.00'	RT.	2,036,720.7158	996,949.3737
667	158+14.94	80.00'	RT.	2,036,935.8341	996,943.4559
674	158+14.94	85.00'	RT.	2,036,935.8554	996,948.4558
402	158+35.97	0.00'	RT.	2,036,956.5250	996,863.3672
668	158+99.80	105.00'	RT.	2,037,022.3808	996,967.1096
669	160+39.94	105.00'	RT.	2,037,162.4976	996,964.3921
660	160+40.66	44.94'	RT.	2,037,162.0493	996,904.3339

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 40
SCALE: 1" = 40'

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____, ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL · NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 153+76.38 TO STA. 160+40.66
SCALE: 1" = 40' SHEET 15 OF 48 SHEETS

IDOT USE ONLY
APPROVED
By coreanom at 9:11 am, Feb 14, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Default
FILE NAME: pw:\\bwitort\cwa-pw.bentley.com:part1\cwa-pw-07\Documents\IDOT\22177.01\12 Design\12-3 CADD\SHEETS\CT-SHT-ROW-SOUTH-15.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	480
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SE 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0219	1.011	0.183 (7,961 SQ.FT.)		0.829			14-27-405-001
1NV0219TE					0.012	525	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
669	160+39.94	105.00' RT.	2,037,162.4976	996,964.3921
5216	160+40.55	53.87' RT.	2,037,162.1156	996,913.2556
692	160+99.80	85.00' RT.	2,037,221.9553	996,943.2351
691	160+99.80	105.00' RT.	2,037,222.3431	996,963.2314
694	162+38.68	56.84' RT.	2,037,360.2616	996,912.3872
705	162+67.19	85.00' RT.	2,037,389.3115	996,939.9892
693	162+82.91	85.00' RT.	2,037,405.0278	996,939.6844
706	162+87.55	138.67' RT.	2,037,410.7095	996,993.2524
695	162+87.92	107.43' RT.	2,037,410.4763	996,962.0105

NW COR. SE 1/4
SECTION 27-44-8
FOUND 5/8" REBAR W/CAP
2.5' E. OF PAVEMENT
PER MONUMENT RECORD
RECORDED JUNE 29, 2021
DOC. NO. 2021R0035419

* SEE SHEET 20

EXISTING ROW LINE PER DOCUMENT NO. 505979 (AMENDED AS DOCUMENT NO. 1969R0505979)

DRAKE DRIVE

60.00'

99.00'

EXISTING ROW LINE PER DOCUMENT NO. 505979 (AMENDED AS DOCUMENT NO. 1969R0505979)

695

31.24'

N89°34'20"E 77.95'

46.71'

706

N. LINE LOT 1

P.O.B. 1NV0219TE

R=509.29' (509.32')
L=51.54' (51.5')
CHD=N86°40'24"E
CHD=51.51'

CHD=N83°13'21"E 112.65'
R=509.29' (509.32') L=112.88'
R=509.29' (509.32')
L=61.35' (61.39')

P.O.C. 1NV0219TE
NE COR. LOT 1

FOUND IRON PIPE
0.03' S. & 0.12' E.

CHD=N44°39'38"E 70.60'
R=50.00' L=78.36' (78.35')
CHD=N37°22'52"E 70.43'

693

15.72'

S68°06'45"W 57.40'

PROPOSED TEMPORARY EASEMENT LINE

R=50.00' L=23.19'
CHD=N76°17'07"E 22.98'

705

1NV0219TE

694

40.00'

50.00'

N00°10'10"W 1313.31' (1313.58')

163

162

ILLINOIS ROUTE 31

E. LINE SW 1/4
SECTION 27-44-8
N00°10'10"W 2626.62'

W. LINE SE 1/4
SECTION 27-44-8

1NV0222
SEE SHEET 18
FOR DETAILS

PROPOSED ℄ IL-31
= N01°06'40"W

EXISTING ℄ IL-31
= N00°15'04"W

EXISTING ROW LINE

161

W. LINE LOT 1

EXISTING ROW LINE PER DOC. NO. 80237
(AMENDED AS DOC. NO. 1927R0080237)

N00°15'04"W 198.15' (198.16')

PROPOSED ROW LINE

S01°06'40"E 183.11'

167.39'

42.34'

38.63'

1 STORY FRAME RESIDENCE

22.6'
3.9'
37.0'
24.9'
4.4'
25.0'
2.9'
23.3'
9.9'
7.0'
17.3'
7.0'
18.1'
44.3'
13.9'
15.9'

LOT 1

LOT 2

S00°25'40"E 250.60' (250.50')

1NV0219

N88°53'20"E
20.00'

692

691

S01°06'40"E 59.86'

WOOD SHED

99.16'

98.63'

14.0'
10.0'
14.0'
10.0'

1NV0221
SEE SHEET 18
FOR DETAILS

40.00'

50.00'

5216

669

P.O.B. 1NV0219
SW COR. LOT 1

34.44' (34.9')
N89°34'20"E

S89°34'20"W 51.14'

FOUND IRON PIPE
0.24' S. & 0.14' E.

S89°34'20"W 180.00'

128.86'

S. LINE LOT 1

COLLEGE HILL
RECORDED MARCH 14, 1969
DOCUMENT NO. 505979
(AMENDED AS DOCUMENT
NO. 1969R0505979)

N00°10'10"W
1313.31' (1313.58')

* SEE SHEET 15

SW COR. SE 1/4
SECTION 27-44-8
FOUND CROSS OF MAG NAILS
PER MONUMENT RECORD
RECORDED JUNE 29, 2021
DOC. NO. 2021R0035420

LEGEND

CATCH BASIN
LIGHT POLE
SIGN
JUNCTION BOX
DOUBLE HANDHOLE
WOOD POST
CLEANOUT
MAILBOX

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET
0 20
SCALE: 1" = 20'

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
℄ PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
AC EXISTING ACCESS CONTROL LINE
AC PROPOSED ACCESS CONTROL LINE
129.32' MEASURED DIMENSION
129.32' (COMP) COMPUTED DIMENSION
(129.32') RECORDED DIMENSION
EXISTING BUILDING

○ IRON PIPE OR ROD FOUND
⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET
● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS
DAVID A. CLAASSEN
JOLIET, IL
NO. 2962
PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 160+39.94 TO STA. 162+87.92
SCALE: 1" = 20' SHEET 16 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 9:11 am, Feb 14, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Default
FILE NAME: pw:\\oatfckcxpw.bentley.com:pwfckcxpw-07\Documents\IDOT\22177.01\D12 Design\12.3 CADD\SHEETS\CT-SHT-ROW-SOUTH-16.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

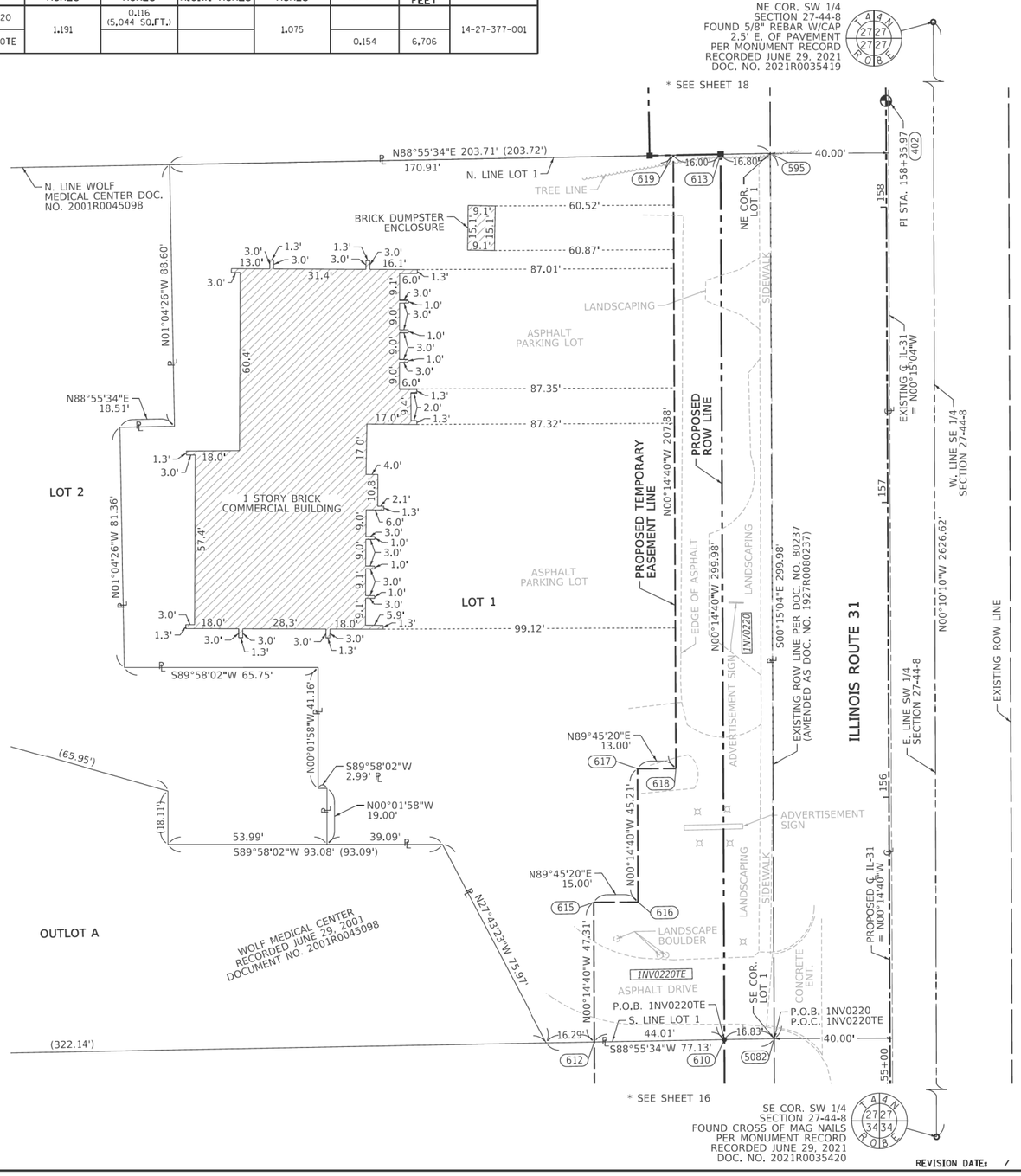
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	481
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SW 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0220	1.191	0.116 (5,044 SQ.FT.)		1.075			14-27-377-001
1NV0220TE					0.154	6,706	



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
612	155+17.49	100.00' LT.	2,036,637.6220	996,764.7269
610	155+18.13	56.00' LT.	2,036,638.4466	996,808.7237
5082	155+18.37	39.17' LT.	2,036,638.7617	996,825.5533
616	155+64.79	85.00' LT.	2,036,684.9909	996,779.5249
615	155+64.79	100.00' LT.	2,036,684.9269	996,764.5251
618	156+10.00	72.00' LT.	2,036,730.2515	996,792.3319
617	156+10.00	85.00' LT.	2,036,730.1961	996,779.3321
619	158+17.88	72.00' LT.	2,036,938.1265	996,791.4450
613	158+18.11	56.00' LT.	2,036,938.4263	996,807.4439
595	158+18.35	39.20' LT.	2,036,938.7411	996,824.2383
402	158+35.97	0.00' RT.	2,036,956.5250	996,863.3672

LEGEND

- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 129.33' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 20
SCALE: 1" = 20'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039.) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____, ILLINOIS THIS __ DAY OF_____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 155+17.49 TO STA. 158+18.35
SCALE: 1" = 20' SHEET 17 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 9:11 am, Feb 14, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Default
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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	482
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SW 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0221	7.499	0.296 (12,892 SQ.FT.)		7.203			14-27-376-006
1NV0222	2.496	0.355 (15,471 SQ.FT.)		2.141			14-27-327-005
1NV0222TE					0.094	4,113	

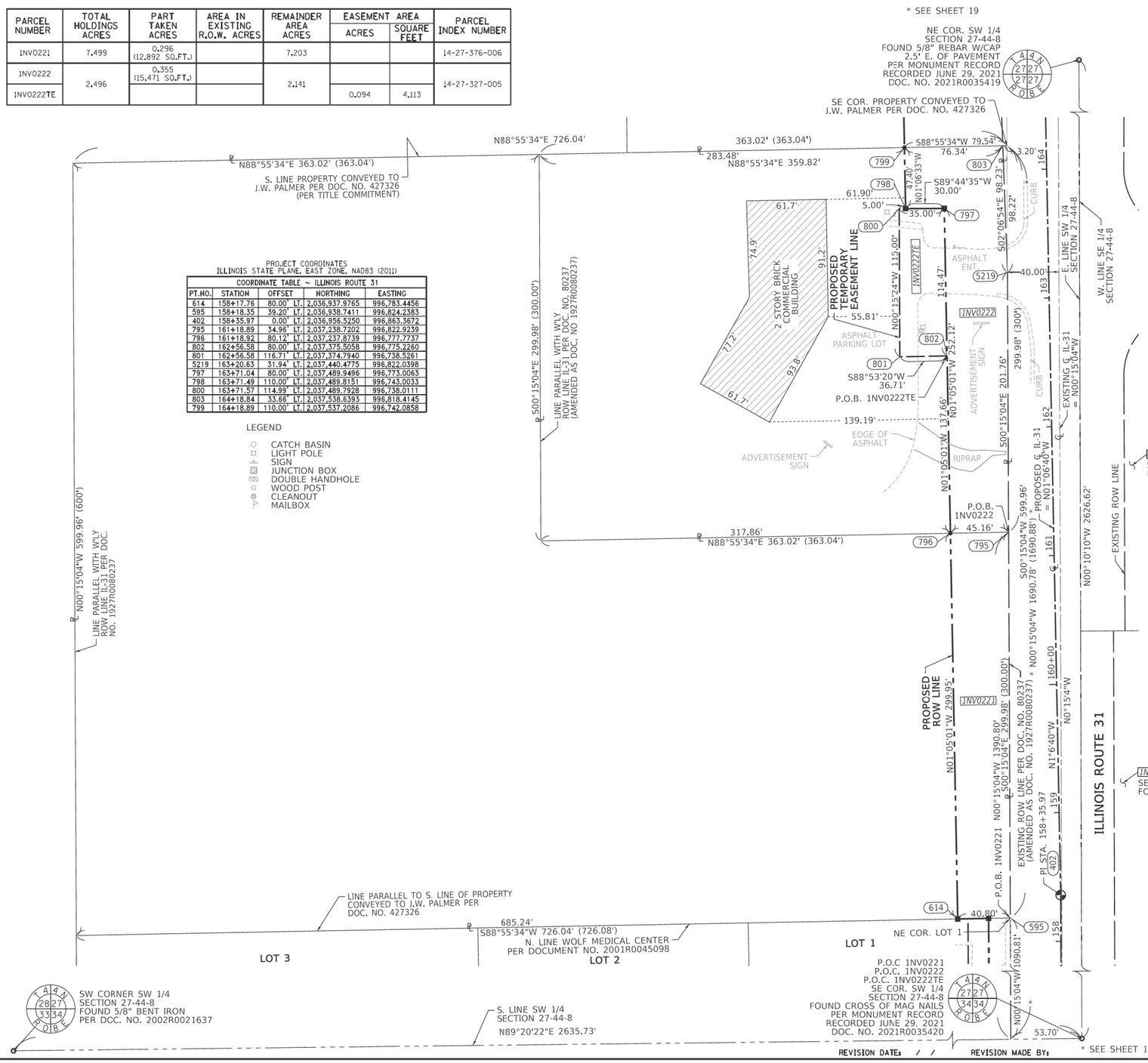
PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

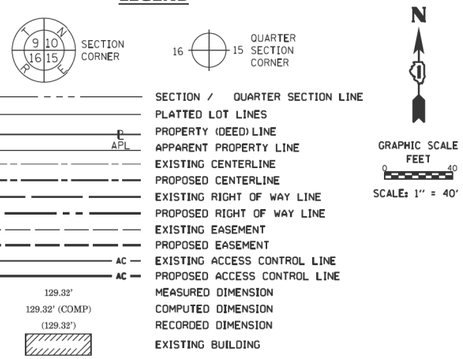
PT.NO.	STATION	OFFSET	NORTHING	EASTING
614	158+17.76	80.00' LT.	2,036,937.9765	996,783.4456
595	158+18.35	39.20' LT.	2,036,938.7411	996,824.2383
402	158+35.97	0.00' LT.	2,036,956.5250	996,863.3672
795	161+18.89	34.96' LT.	2,037,238.7202	996,822.9239
796	161+18.92	80.12' LT.	2,037,237.8739	996,777.7737
802	162+56.58	80.00' LT.	2,037,375.5058	996,775.2260
801	162+56.58	116.71' LT.	2,037,374.7940	996,738.5261
5219	163+20.63	31.94' LT.	2,037,440.4775	996,822.0398
797	163+71.04	80.00' LT.	2,037,489.9496	996,773.0063
798	163+71.49	110.00' LT.	2,037,489.8151	996,743.0033
800	163+71.57	114.99' LT.	2,037,489.7928	996,738.0111
803	164+18.84	33.66' LT.	2,037,538.6393	996,818.4145
799	164+18.89	110.00' LT.	2,037,537.2086	996,742.0858

LEGEND

- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX



LEGEND



- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL · NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 158+17.76 TO STA. 164+18.89
SCALE: 1" = 40' SHEET 18 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 9:11 am, Feb 14, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
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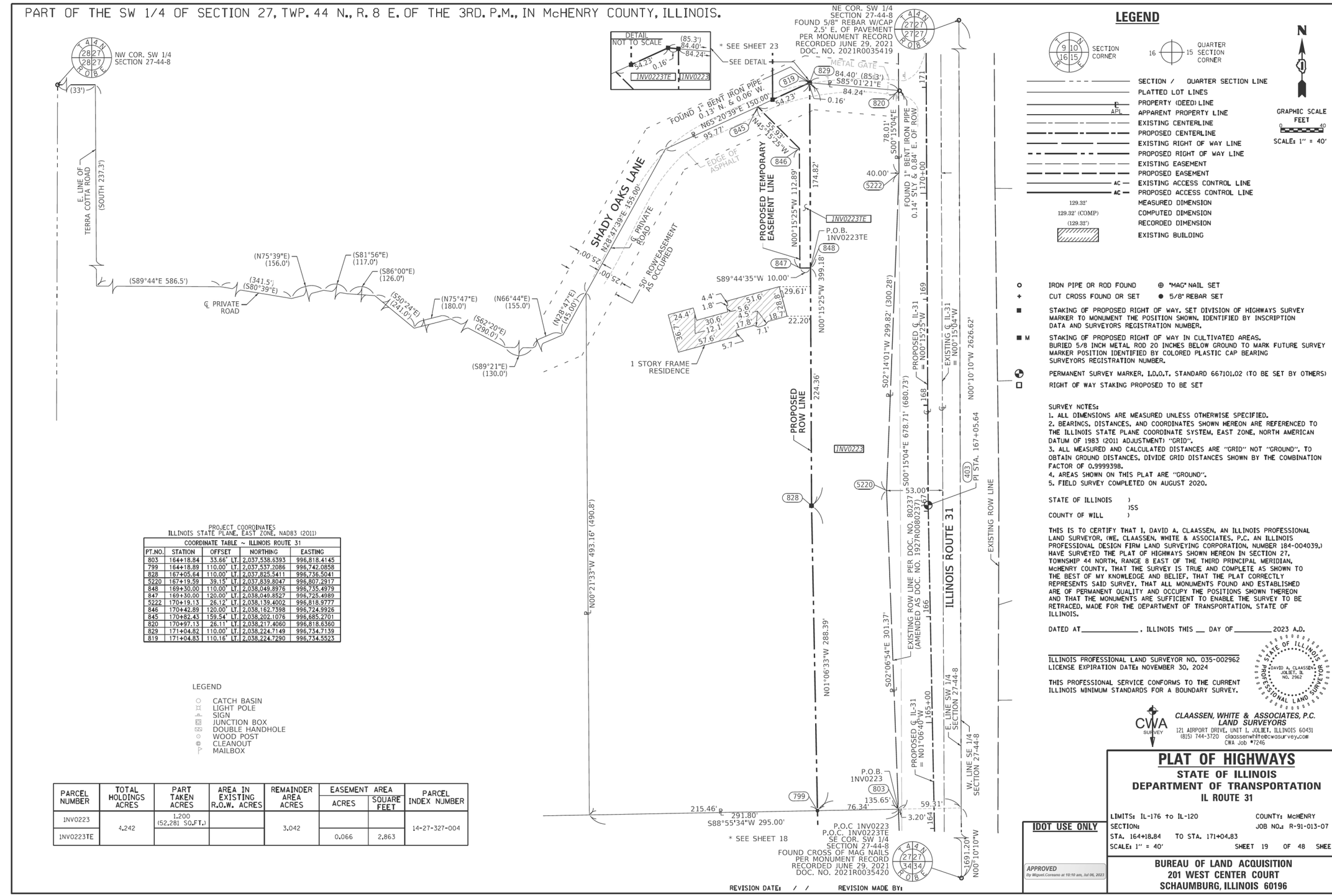
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	483
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SW 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
803	164+18.84	33.66' LT.	2,037,538.6393	996,818.4145
799	164+18.89	110.00' LT.	2,037,537.2086	996,742.0858
828	167+05.64	110.00' LT.	2,037,825.5411	996,736.5041
5220	167+19.59	39.15' LT.	2,037,839.8047	996,807.2917
848	169+30.00	110.00' LT.	2,038,049.8976	996,735.4979
847	169+30.00	120.00' LT.	2,038,049.8527	996,725.4989
5222	170+19.13	26.12' LT.	2,038,139.4002	996,818.9777
846	170+42.89	120.00' LT.	2,038,162.7398	996,724.9926
845	170+82.43	159.54' LT.	2,038,202.1076	996,685.2701
820	170+97.13	26.11' LT.	2,038,217.4060	996,818.6360
829	171+04.82	110.00' LT.	2,038,224.7149	996,734.7139
819	171+04.83	110.16' LT.	2,038,224.7290	996,734.5523

LEGEND

- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0223	4.242	1.200 (52,281 SQ.FT.)		3.042			14-27-327-004
1NV0223TE					0.066	2,863	

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- ℄ PROPERTY (DEED) LINE
- ℄ APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 40

SCALE: 1" = 40'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
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- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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DATED AT_____, ILLINOIS THIS __ DAY OF_____ 2023 A.D.

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ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

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STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 164+18.84 TO STA. 171+04.83
SCALE: 1" = 40' SHEET 19 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Corleano at 10:10 am, Jul 06, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Default
FILE NAME: pw:\\oatfckcxpw.bentley.com:oatfckcxpw-07\Documents\IDOT\22177.01\12 Design\12.3 CADD\SHEETS\CL1-SHT-ROW-50UTH-1.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	484
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

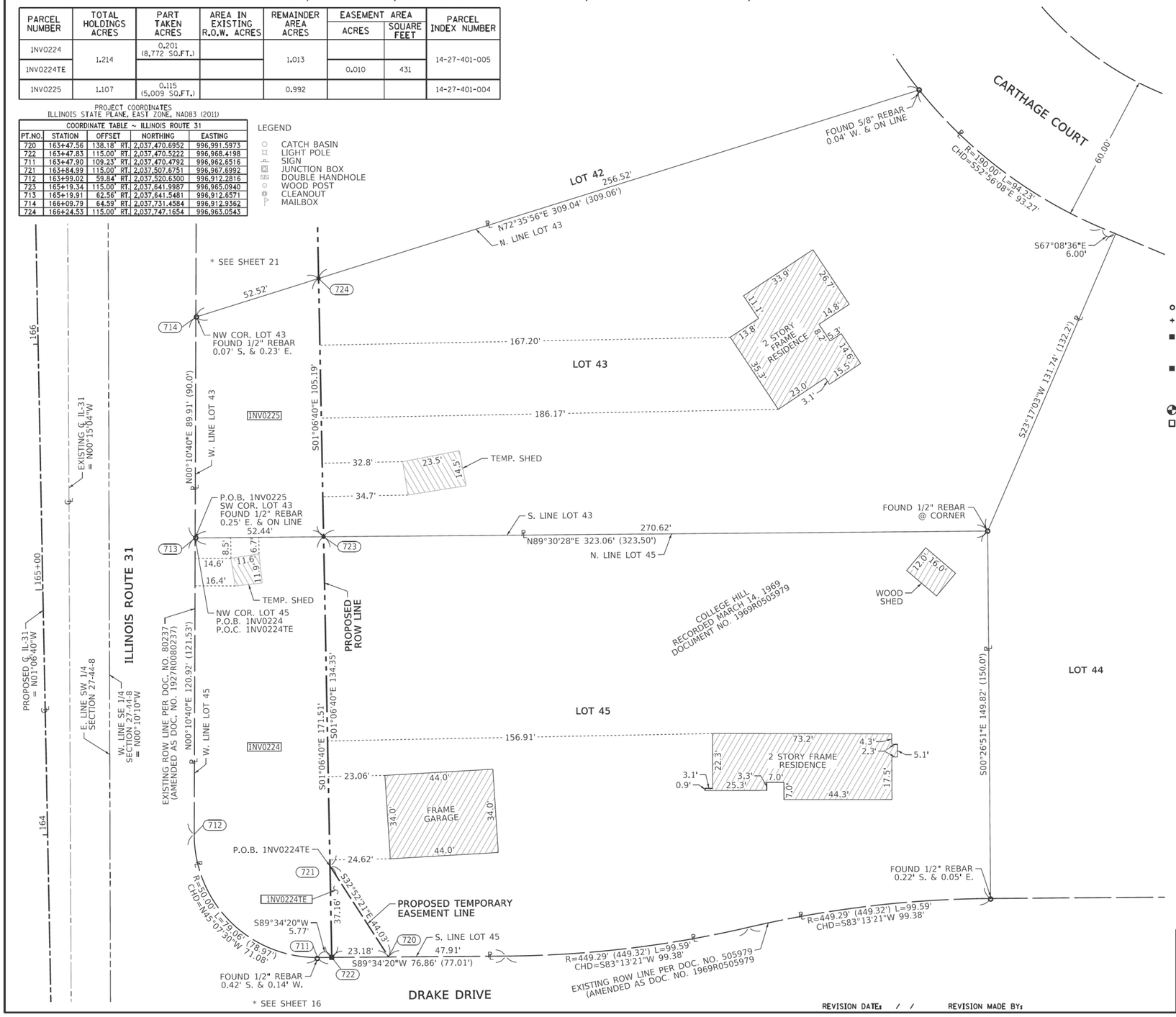
PART OF THE SE 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0224	1.214	0.201 (8,772 SQ.FT.)		1.013			14-27-401-005
1NV0224TE					0.010	431	
1NV0225	1.107	0.115 (5,009 SQ.FT.)		0.992			14-27-401-004

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
720	163+47.56	138.18' RT.	2,037,470.6952	996,991.5973
722	163+47.83	115.00' RT.	2,037,470.5222	996,968.4198
711	163+47.90	109.23' RT.	2,037,470.4792	996,962.6516
721	163+84.99	115.00' RT.	2,037,507.6751	996,967.6992
712	163+99.02	59.84' RT.	2,037,520.6300	996,912.2816
723	165+19.34	115.00' RT.	2,037,641.9987	996,965.0940
713	165+19.91	62.56' RT.	2,037,641.5481	996,912.6571
714	166+09.79	64.59' RT.	2,037,731.4584	996,912.9362
724	166+24.53	115.00' RT.	2,037,747.1654	996,963.0543

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX



LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

SECTION CORNER — QUARTER SECTION CORNER

GRAPHIC SCALE FEET 0 20
SCALE: 1" = 20'

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

IDOT USE ONLY

APPROVED
By corenonm at 9:11 am, Feb 14, 2022

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. 163+47.56 TO STA. 166+24.53
SCALE: 1" = 20' — SHEET 20 OF 48 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

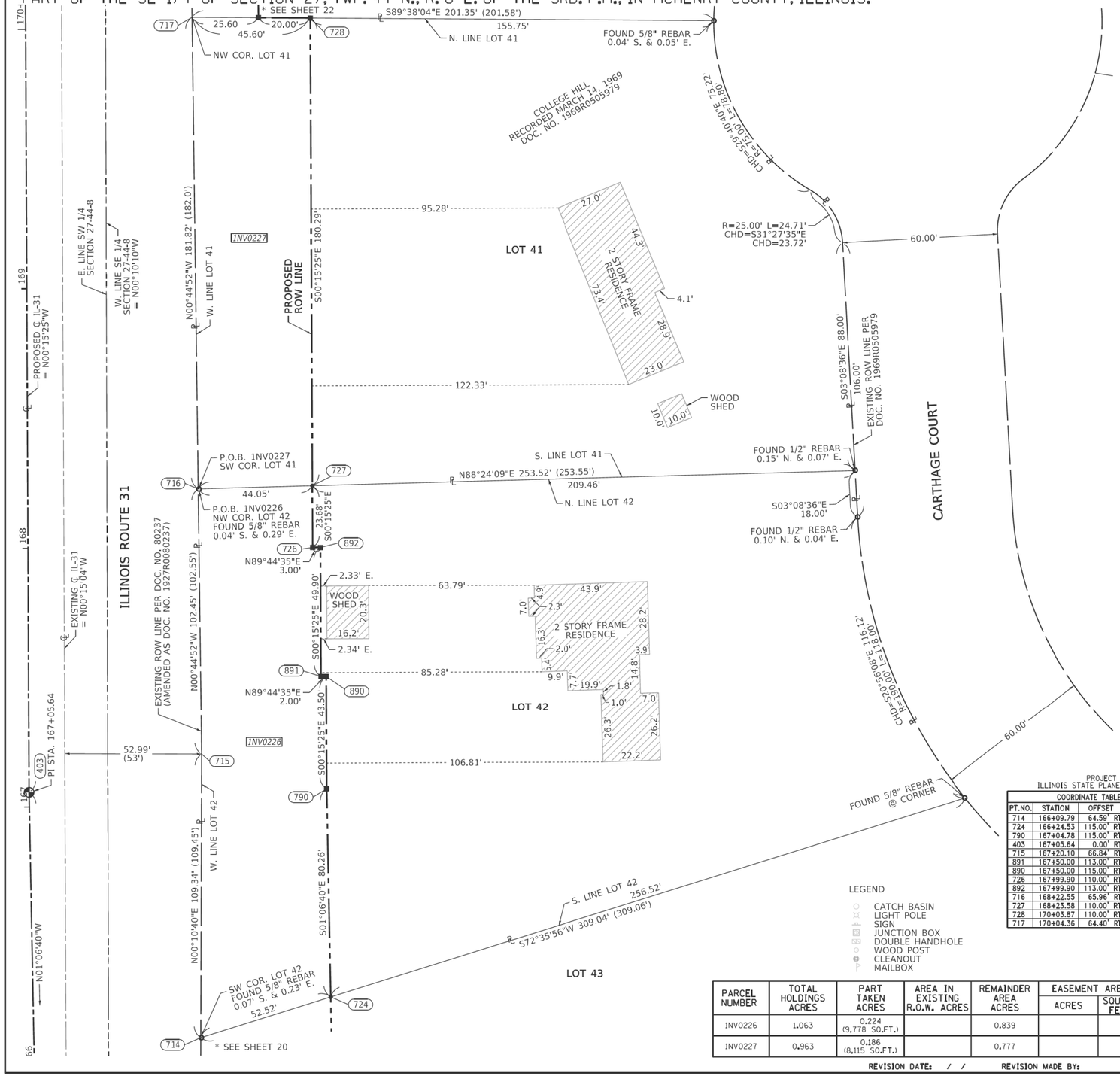
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	485
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: pw:\\plantfiles-pw.bentley.com:plantfiles-pw-02\Documents\IDOT\22177.019\12 Design\12-3 CADD\SHEETS\C1-SHT-ROW-SOUTH-20.dgn

PART OF THE SE 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET

SCALE: 1" = 20'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
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- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ "MAG" NAIL SET
- ● 5/8" REBAR SET
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____. ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL · NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
714	166+09.79	64.59' RT.	2,037,731.4584	996,912.9362
724	166+24.53	115.00' RT.	2,037,747.1654	996,963.0543
790	167+04.78	115.00' RT.	2,037,827.4073	996,961.4980
403	167+05.64	0.00' RT.	2,037,826.0344	996,846.5030
715	167+20.10	66.84' RT.	2,037,840.7925	996,913.2757
891	167+50.00	113.00' RT.	2,037,870.9000	996,959.3029
890	167+50.00	115.00' RT.	2,037,870.9090	996,961.3029
726	167+99.90	110.00' RT.	2,037,920.7821	996,956.0797
892	167+99.90	113.00' RT.	2,037,920.7956	996,959.0791
716	168+22.55	65.96' RT.	2,037,943.2337	996,911.9387
727	168+23.58	110.00' RT.	2,037,944.4618	996,955.9735
728	170+03.87	110.00' RT.	2,038,124.7492	996,955.1649
717	170+04.36	64.40' RT.	2,038,125.0402	996,909.5658

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0226	1.063	0.224 (9,778 SQ.FT.)		0.839			14-27-401-003
1NV0227	0.963	0.186 (8,115 SQ.FT.)		0.777			14-27-401-002

REVISION DATE: / / REVISION MADE BY:

IDOT USE ONLY

APPROVED
By Miguel.Corvano at 8:20 am, Jun 21, 2024

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 166+09.79 TO STA. 170+04.36
SCALE: 1" = 20' SHEET 21 OF 48 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
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USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

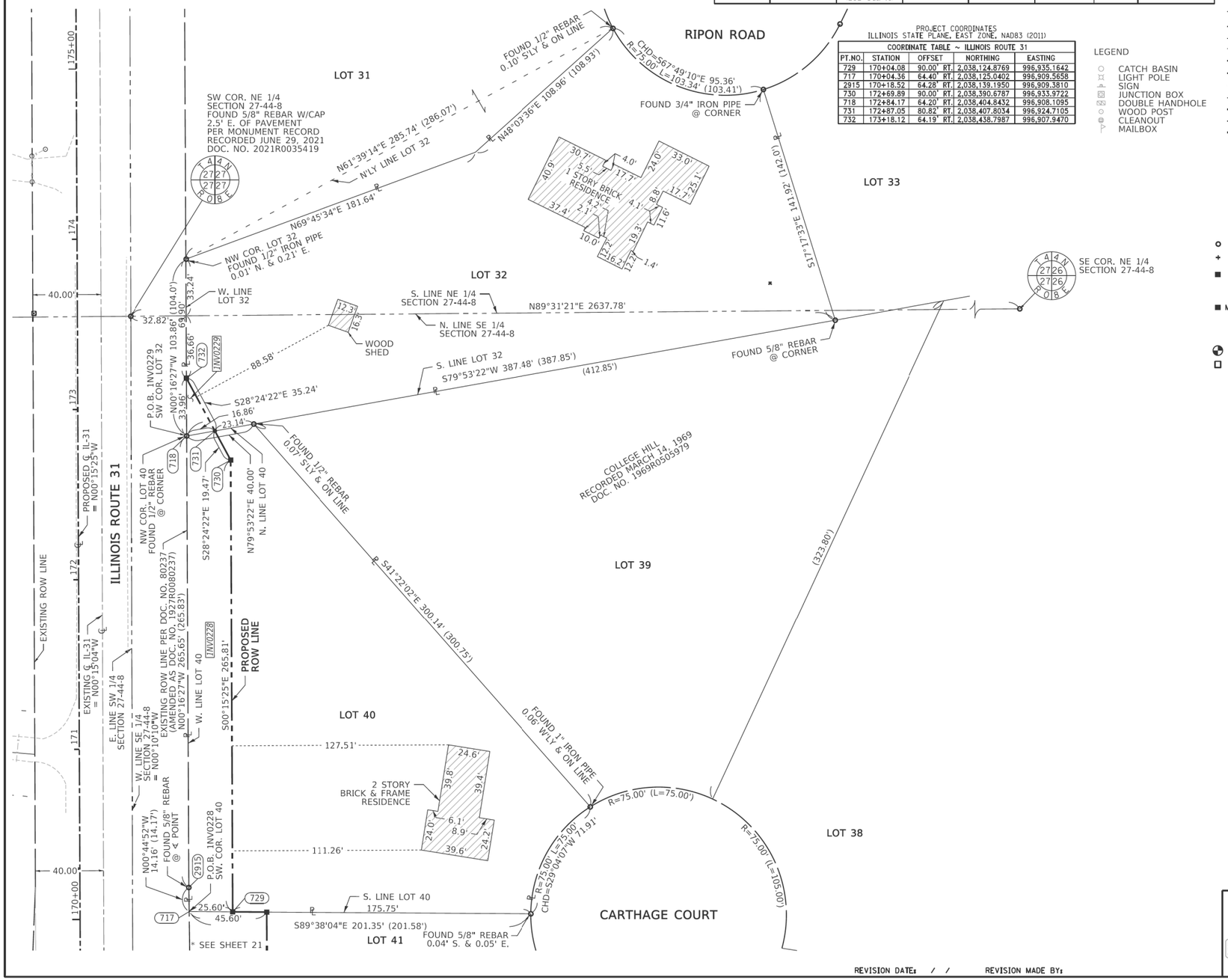
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	486
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE NE 1/4 & PART OF THE SE 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0228	1.014	0.165 (7,181 SQ.FT.)		0.849			14-27-401-001
1NV0229	1.164	0.006 (282 SQ.FT.)		1.157			14-27-251-015



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
729	170+04.08	90.00' RT.	2,038,124.8769	996,935.1642
717	170+04.36	64.40' RT.	2,038,125.0402	996,909.5658
2915	170+18.52	64.28' RT.	2,038,139.1950	996,909.3810
730	172+69.89	90.00' RT.	2,038,390.6787	996,933.9722
718	172+84.17	64.20' RT.	2,038,404.8432	996,908.1095
731	172+87.05	80.82' RT.	2,038,407.8034	996,924.7105
732	173+18.12	64.19' RT.	2,038,438.7987	996,907.9470

LEGEND

- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET 0 30

SCALE: 1" = 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

129.32' / 129.32' (COMP) / (129.32')

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 170+04.08 TO STA. 173+18.12
SCALE: 1" = 30' SHEET 22 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 9:11 am, Feb 14, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

MODEL: Default
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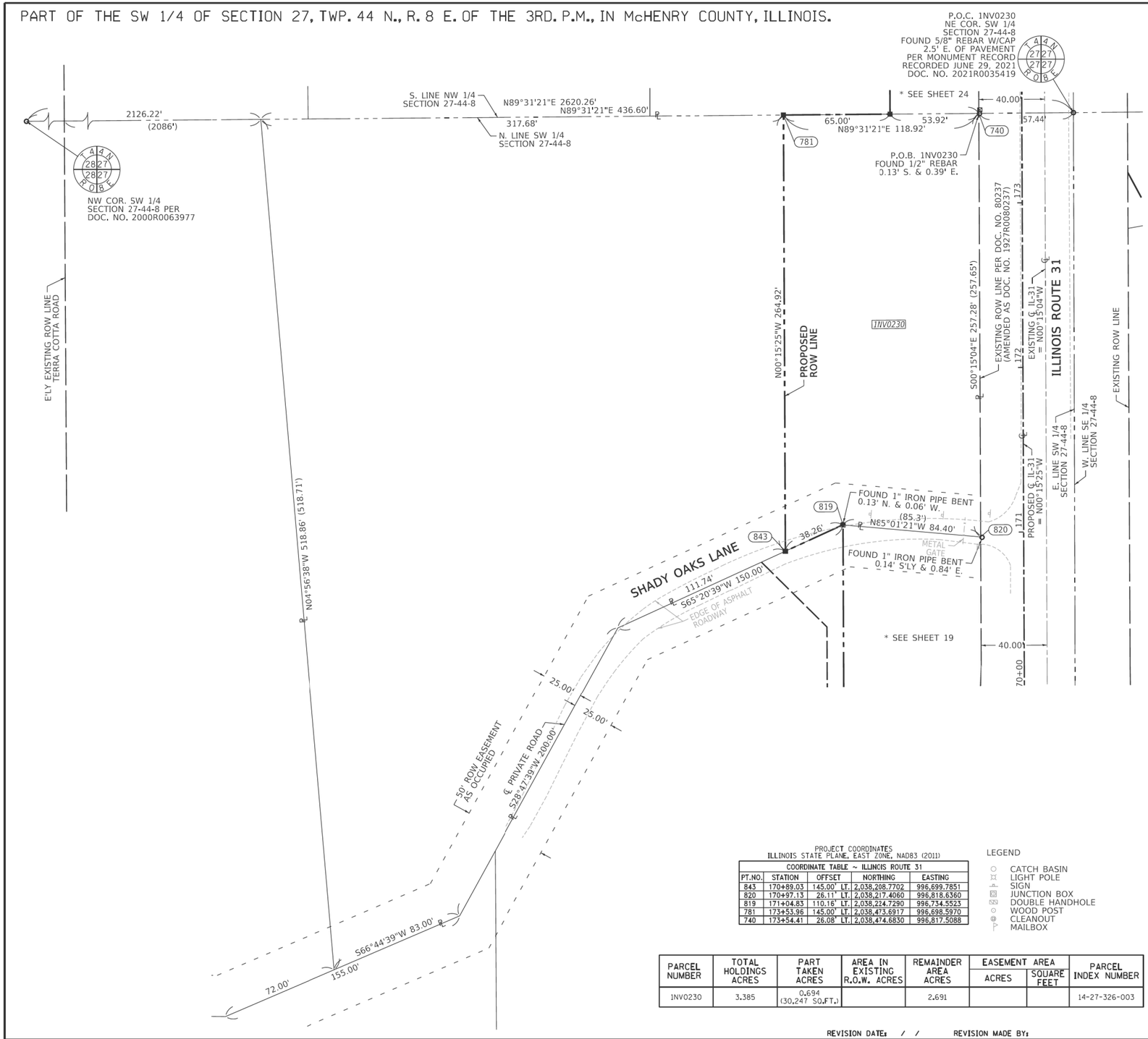
USER NAME = bwitort	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/3/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	487
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SW 1/4 OF SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET 0 30

SCALE: 1" = 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE (AC)
- PROPOSED ACCESS CONTROL LINE (AC)
- MEASURED DIMENSION — 129.32'
- COMPUTED DIMENSION — 129.32' (COMP)
- RECORDED DIMENSION — (129.32')
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
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- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
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STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

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DATED AT_____, ILLINOIS THIS __ DAY OF_____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhitecwasurvey.com
CWA Job #7246

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
843	170+89.03	145.00' LT.	2,038,208.7702	996,699.7851
820	170+97.13	26.11' LT.	2,038,217.4060	996,818.6360
819	171+04.83	110.16' LT.	2,038,224.7290	996,734.5523
781	173+53.96	145.00' LT.	2,038,473.6917	996,698.5970
740	173+54.41	26.08' LT.	2,038,474.6830	996,817.5088

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0230	3.385	0.694 (30,247 SQ.FT.)		2.691			14-27-326-003

REVISION DATE: / / REVISION MADE BY:

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:05 am, Jan 11, 2023

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 170+89.03 TO STA. 173+54.41
SCALE: 1" = 30' SHEET 23 OF 48 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

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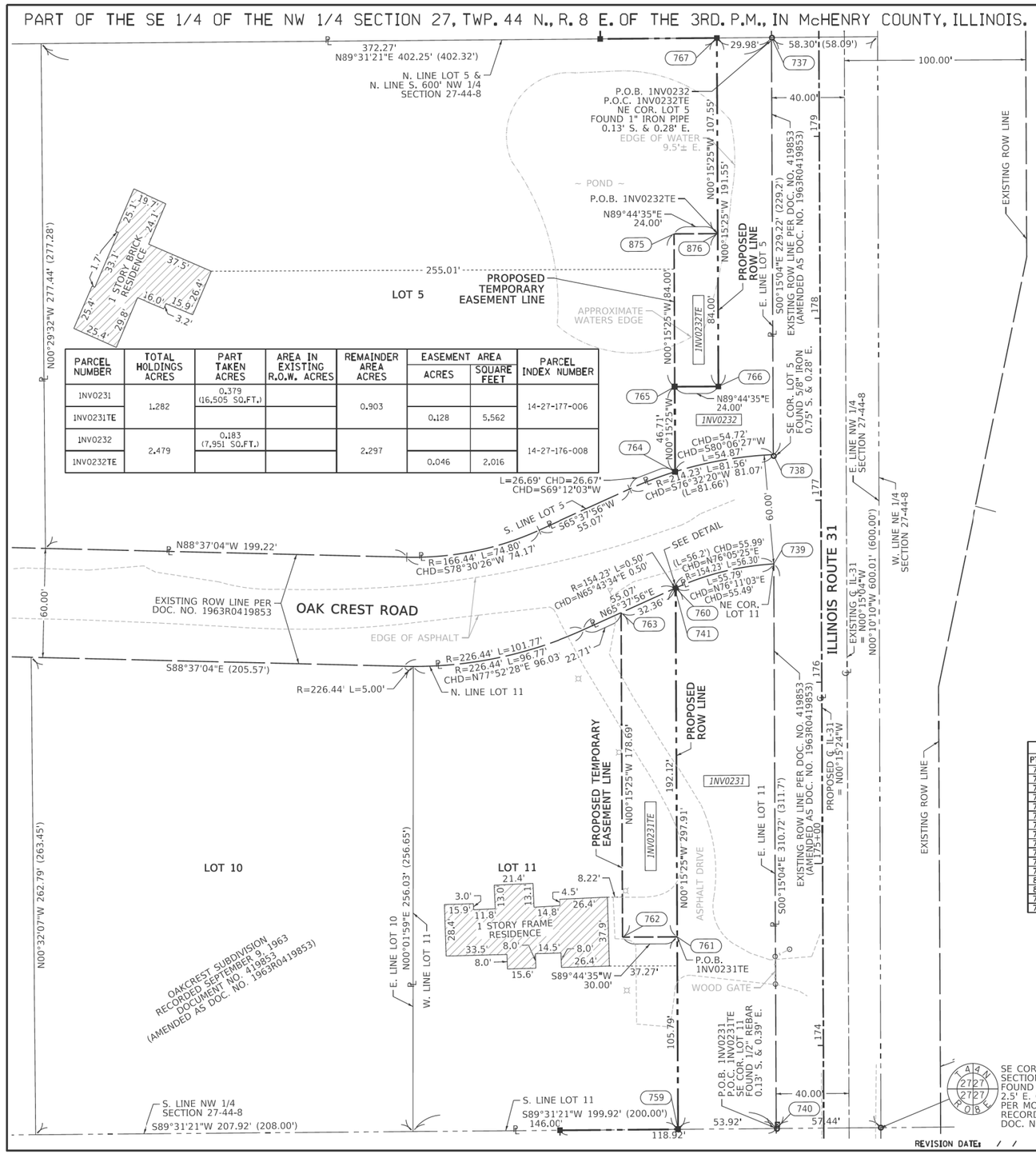
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	488
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

PART OF THE SE 1/4 OF THE NW 1/4 SECTION 27, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0231	1.282	0.379 (16,505 SQ.FT.)		0.903			14-27-177-006
1NV0231TE					0.128	5,562	
1NV0232	2.479	0.183 (7,951 SQ.FT.)		2.297			14-27-176-008
1NV0232TE					0.046	2,016	

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

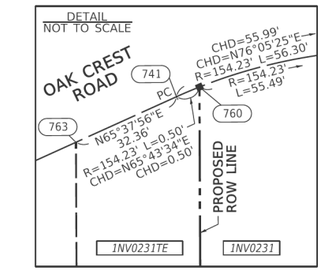
GRAPHIC SCALE FEET 0 30

SCALE: 1" = 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC — EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

DETAIL
NOT TO SCALE



SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 2023 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DAVID A. CLAASSEN JOLIET, IL NO. 2962 — STATE OF ILLINOIS — PROFESSIONAL LAND SURVEYOR

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31

PT.NO.	STATION	OFFSET	NORTHING	EASTING
759	173+54.21	80.00' LT.	2,038,474.2335	996,763.5951
740	173+54.41	26.08' LT.	2,038,474.6830	996,817.5088
761	174+80.00	80.00' LT.	2,038,580.0268	996,763.1206
762	174+60.00	110.00' LT.	2,038,579.8922	996,733.1209
763	176+38.69	110.00' LT.	2,038,758.5830	996,732.3195
741	176+51.91	80.46' LT.	2,038,771.9351	996,761.7981
760	176+52.12	80.00' LT.	2,038,772.1429	996,762.2590
739	176+65.13	26.05' LT.	2,038,785.3948	996,816.1469
764	177+16.04	80.00' LT.	2,038,836.0600	996,761.9734
738	177+25.20	26.05' LT.	2,038,845.4616	996,815.8836
766	177+62.75	56.00' LT.	2,038,882.8785	996,785.7628
765	177+62.75	80.00' LT.	2,038,882.7708	996,761.7639
876	178+46.75	56.00' LT.	2,038,966.8805	996,785.3861
875	178+46.75	80.00' LT.	2,038,966.7729	996,761.3872
767	179+54.30	56.00' LT.	2,039,074.4314	996,784.9037
737	179+54.42	26.02' LT.	2,039,074.6812	996,814.8789

LEGEND
- CATCH BASIN
- LIGHT POLE
- SIGN
- JUNCTION BOX
- DOUBLE HANDHOLE
- WOOD POST
- CLEANOUT
- MAILBOX

REVISION DATE: / / REVISION MADE BY:

CWA SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 173+54.21 TO STA. 179+54.42
SCALE: 1" = 30' SHEET 24 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Corneano at 10:10 am, Jul 06, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

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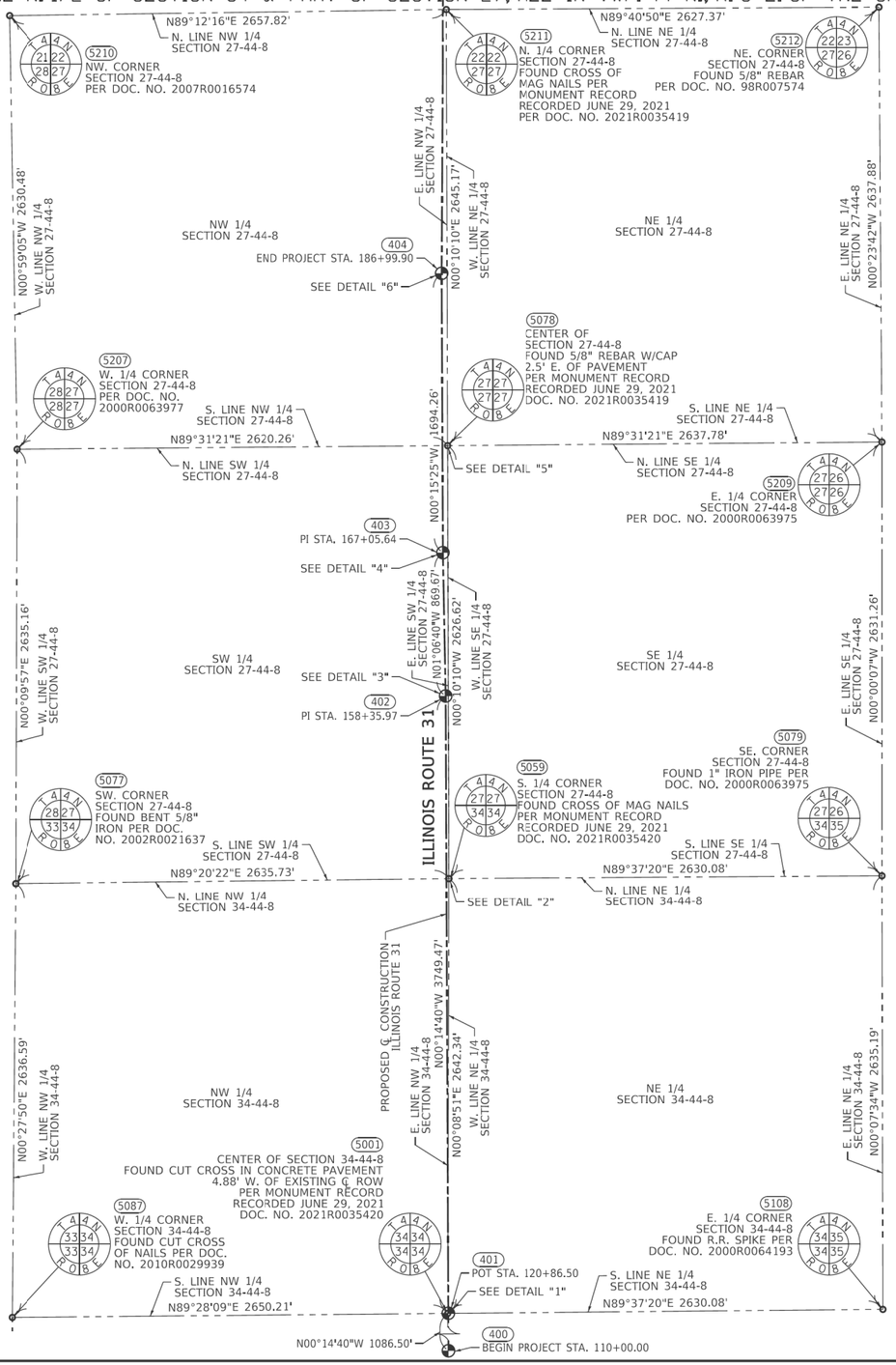
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	489
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE N. 1/2 OF SECTION 34 & PART OF SECTION 27, ALL IN TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ ILLINOIS ROUTE 31				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
400	110+00.00	0.00' RT.	2,032,120.6007	996,883.9991
401	120+86.50	0.00' RT.	2,033,207.0908	996,879.3640
402	158+35.97	0.00' RT.	2,036,956.5250	996,863.3672
403	167+05.64	0.00' RT.	2,037,826.0344	996,846.5030
404	183+99.90	0.00' RT.	2,039,520.2727	996,838.9048

PROJECT COORDINATES
ILLINOIS STATE PLANE,
EAST ZONE, NAD83 (2011)

SECTION CORNERS		
PT.NO.	NORTHING	EASTING
5001	2,033,206.2234	996,875.9063
5059	2,035,848.5562	996,882.7118
5077	2,035,818.1741	994,247.1536
5078	2,038,475.1611	996,874.9493
5079	2,035,865.8922	999,512.7305
5087	2,033,181.6679	994,225.8109
5108	2,033,230.7099	999,518.5271
5207	2,038,453.3220	994,254.7781
5209	2,038,497.1471	999,512.6414
5210	2,041,083.4175	994,209.5674
5211	2,041,120.3240	996,867.1316
5212	2,041,134.9674	999,494.4557

LEGEND

SECTION CORNER

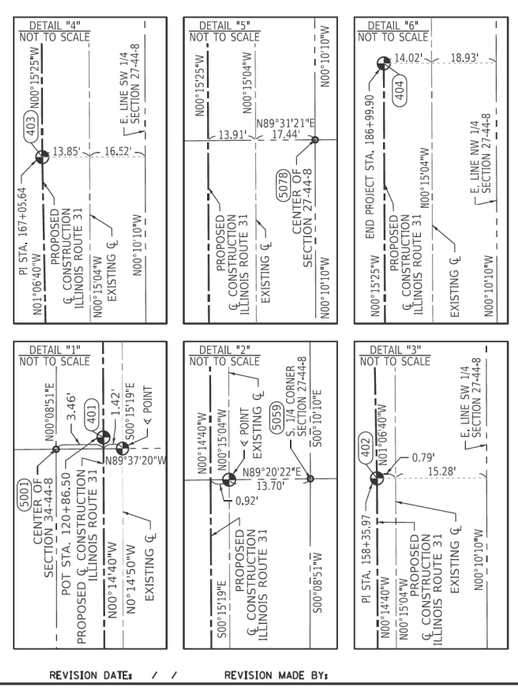
16 15 QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET
0 400
SCALE: 1" = 400'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET



SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999398.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON AUGUST 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27 & SECTION 34, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____, ILLINOIS THIS __ DAY OF_____ 2020 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

CWA SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #7246

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 31

LIMITS: IL-176 to IL-120 COUNTY: McHENRY
SECTION: JOB NO.: R-91-013-07
STA. 120+86.50 TO STA. 186+99.90
SCALE: 1" = 400' SHEET 25 OF 48 SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 9:11 am, Feb 14, 2022

REVISION DATE: / / REVISION MADE BY:

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

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USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

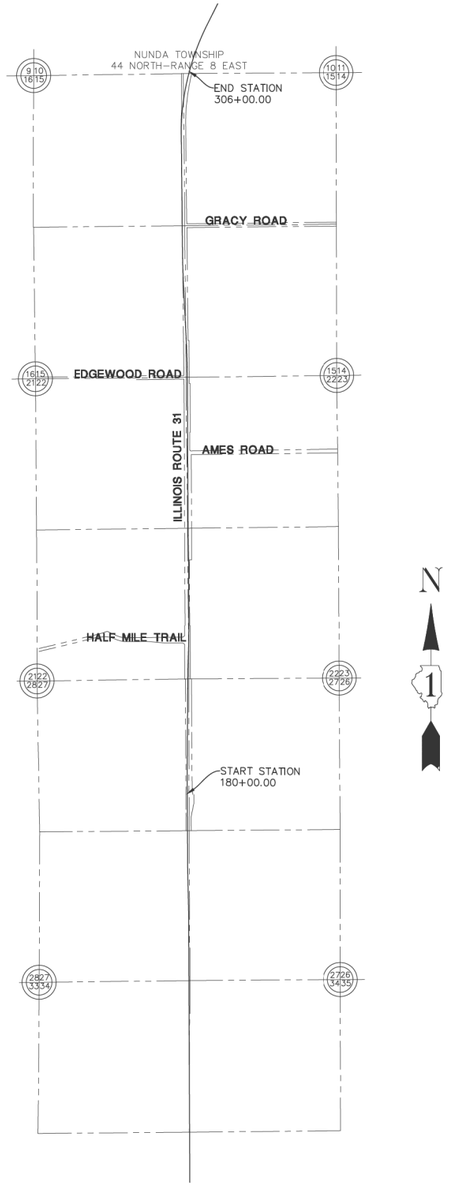
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	490
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: ILLINOIS ROUTE 31 (F.A.P. 336)
SECTION:
COUNTY: MCHENRY
LIMITS: IL ROUTE 176 TO IL ROUTE 120
JOB NO.: R-91-013-07



LOCATION MAP

GROSS LENGTH ROUTE 31 = 12,600 FT. = 2.39 MILE

PARCEL NO.	OWNER	SHEET NO.	PROPERTY AQUIRED BY
1NV0233, 1NV0233TE	BERNARDA MANZELLA, GAETANO MANZELLA, AND IGNAZIO J. MANZELLA, IN JOINT TENANCY	29	
1NV0234, 1NV0234TE	JULIET S. RIM AND EDWARD K. RIM, AS TRUSTEES OF THE JULIET S. RIM 2016 LIVING TRUST DATED OCTOBER 4, 2016	29	
1NV0235, 1NV0235TE-A, 1NV0235TE-B, 1NV0235TE-C	EUGENE POTEMPA	29	
1NV00236, 1NV0236TE	BARET BAILEY	29	
1NV0237	WOODLORE ESTATES COMMUNITY ASSOCIATION, LLC AN ILLINOIS NOT FOR PROFIT CORPORATION	29	
1NV0238	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TRUSTEE TO -HARRIS BANK GLENCOE-NORTHBROOK, N.A. AS TRUSTEE UNDER PROVISIONS OF A TRUST AGREEMENT DATED THE 15TH DAY OF AUGUST, 1990, KNOWN AS TRUST NUMBER L-442	30	
1NV0239	THE CITY OF CRYSTAL LAKE	30	
1NV0240, 1NV0240TE	LAND CONSERVANCY OF MCHENRY COUNTY	30	
1NZ0241, 1NV0241TE-A, 1NV0241TE-B, 1NV0241TE-C	HOME STATE BANK, N.A. AS TRUSTEE UNDER TRUST AGREEMENT DATED JULY 29, 1997 KNOWNS AS TRUST NO. 4558	29, 30	
1NV0244, 1NV0244TE-A, 1NV0244TE-B	TERRA COTTA REALTY CO	31, 32	
1NV0245, 1NV0245TE-A, 1NV0245TE-B, 1NV0245TE-C, 1NV0245TE-D	TERRA COTTA REALTY CO	31, 32	
1NV0246-A, 1NV0246-B, 1NV0246TE-A, 1NV0246TE-B, 1NV0246TE-C, 1NV0246TE-D, 1NV0246TE-E	TERRA COTTA REALTY CO	31, 32, 33	
1NV0247, 1NV0247TE-A, 1NV0247TE-B, 1NV0247TE-C, 1NV0247TE-D, 1NV0247TE-E	THE OAK GROVE SUBDIVISION ASSOCIATION	32, 33, 34, 35	
1NV0248	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TRUSTEE TO -HARRIS BANK GLENCOE-NORTHBROOK, N.A. AS TRUSTEE UNDER PROVISIONS OF A TRUST AGREEMENT DATED THE 15TH DAY OF AUGUST, 1990, KNOWN AS TRUST NUMBER L-442	30	
1NV0249	TERRA COTTA REALTY CO	33, 34, 35	
1NV0250TE	CHICAGO TITLE LAND TRUST COMPANY AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED OCTOBER 5, 2022 AND KNOWN AS TRUST NUMBER 8002389940	33	
1NV0251TE	MARK D. OLSON AND TERRI L. OLSON, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	34	
1NV0253	HUDA ALI	35	
1NV0254, 1NV0254TE-A, 1NV0254TE-B	TERRA COTTA REALTY CO	33, 34, 35	
1NV0255, 1NV0255TE-A, 1NV0255TE-B	STRUCTURE PROPERTIES, LLC	35	
1NV0256	CHICAGO TITLE LAND TRUST COMPANY, AS SUCCESSOR TRUSTEE UNDER TRUST NO. 3584 DATED MARCH 7, 1997.	35	
1NV0257	FIRST MIDWEST BANK NATIONAL ASSOCIATION SUCCESSOR TO MCHENRY STATE BANK, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 6TH DAY OF FEBRUARY, 1979, AND KNOWN AS TRUST NUMBER 1706.	35	
1NV0258	FIRST MIDWEST BANK NATIONAL ASSOCIATION SUCCESSOR TO MCHENRY STATE BANK OF MCHENRY, ILLINOIS, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 28TH DAY OF FEBRUARY, 1969, AND KNOWN AS TRUST NUMBER 295	35	
1NV0259	KELTIC INDUSTRIAL CONDOMINIUM ASSOCIATION, LTD. ON BEHALF OF THE UNIT OWNERS AS THEIR INTERESTS MAY APPEAR	36	
1NV0260, 1NV0260TE-A, 1NV0260TE-B, 1NV0260TE-C, 1NV0260TE-D	ARVANITIS PROPERTIES LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	36	
1NV0263, 1NV0263TE	CHICAGO TITLE LAND TRUST COMPANY, AS TRUSTEE UNDER A TRUST AGREEMENT DATED JUNE 2, 2022 AND KNOWN AS TRUST NUMBER 8002389096	35, 36	
1NV0265	CHICAGO TITLE LAND TRUST COMPANY, AS TRUSTEE UNDER A TRUST AGREEMENT DATED MAY 31, 2022 AND KNOWN AS TRUST NUMBER 8002389094	36, 37, 38, 39	
1NV0266	TERRA COTTA REALTY CO	41	
1NV0267, 1NV0267TE	CHICAGO TITLE LAND TRUST COMPANY, AS TRUSTEE UNDER TRUST AGREEMENT DATED MAY 26, 2022 AND KNOWN AS TRUST NUMBER 8002389092	39, 40, 41	
1NV0268, 1NV0268TE-A, 1NV0268TE-B	BONNIE B, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	40, 41	
1NV0269,	VIOLA KUETEMEYER, JOSEPH BOOS AND GLORIA HUPER, BEING THE HEIRS OF VIOLA J. BOOS, AS TENANTS IN COMMON	29	
1NV0270, 1NV0270TE-A, 1NV0270TE-B	CHICAGO TITLE LAND TRUST COMPANY AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED MAY 27, 2022 AND KNOWN AS TRUST NUMBER 8002389093	39, 40	
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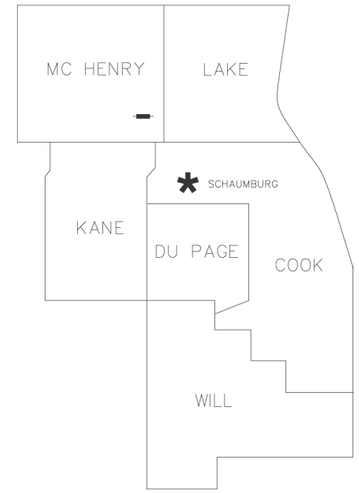
NOTE: SHEET 48 DELETED 05/26/2023 PER IDOT COMMENTS



DISTRICT HEADQUARTERS: - *

LOCATION OF SECTION INDICATED THUS: -

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REVISED: 11/01/2023 PER IDOT COMMENTS–PGA
REVISED: 05/26/2023 PER IDOT COMMENTS–PGA
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APPROVED
By Miguel.Corsano at 7:54 am, Nov 02, 2023

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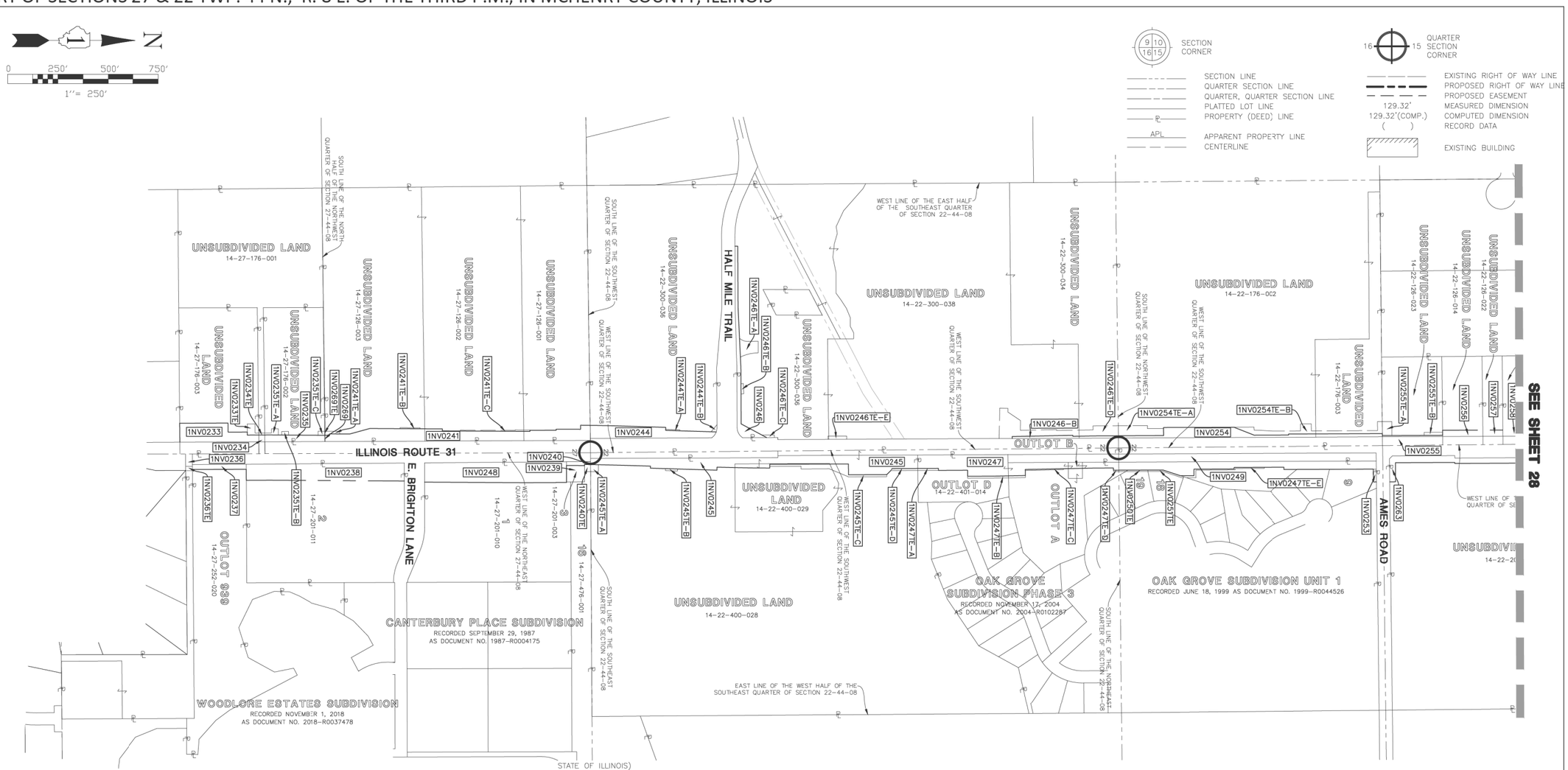
	USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
		DRAWN -	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/3/2024	DATE -	REVISED -		

SCALE:	SHEET OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	491
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

PART OF SECTIONS 27 & 22 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS



STATE OF ILLINOIS)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

REVISED: 05/05/2023 PER IDOT COMMENTS–PGA
REVISED: 04/28/2023 PER IDOT COMMENTS–PGA
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REVISED: 10/28/2020 PER IDOT COMMENTS–PGA

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LINCOLNSHIRE, ILLINOIS

- ● IRON ROD SET
- ○ IRON PIPE OR ROD FOUND
- ✚ CUT CROSS FOUND OR SET
- ○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ☼ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- PK NAIL SET
- ○ REPLACED AFTER CONSTRUCTION

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

Manhard CONSULTING LTD
Chesterfield Park, Bldg. 1800, Libertyville, IL 60048 ph 847.739.0800 fax 847.739.0809 manhard.com
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 180+00 TO STA. 239+50 ILLINOIS ROUTE 31
SCALE: 1" = 250' SHEET 27 OF 50 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

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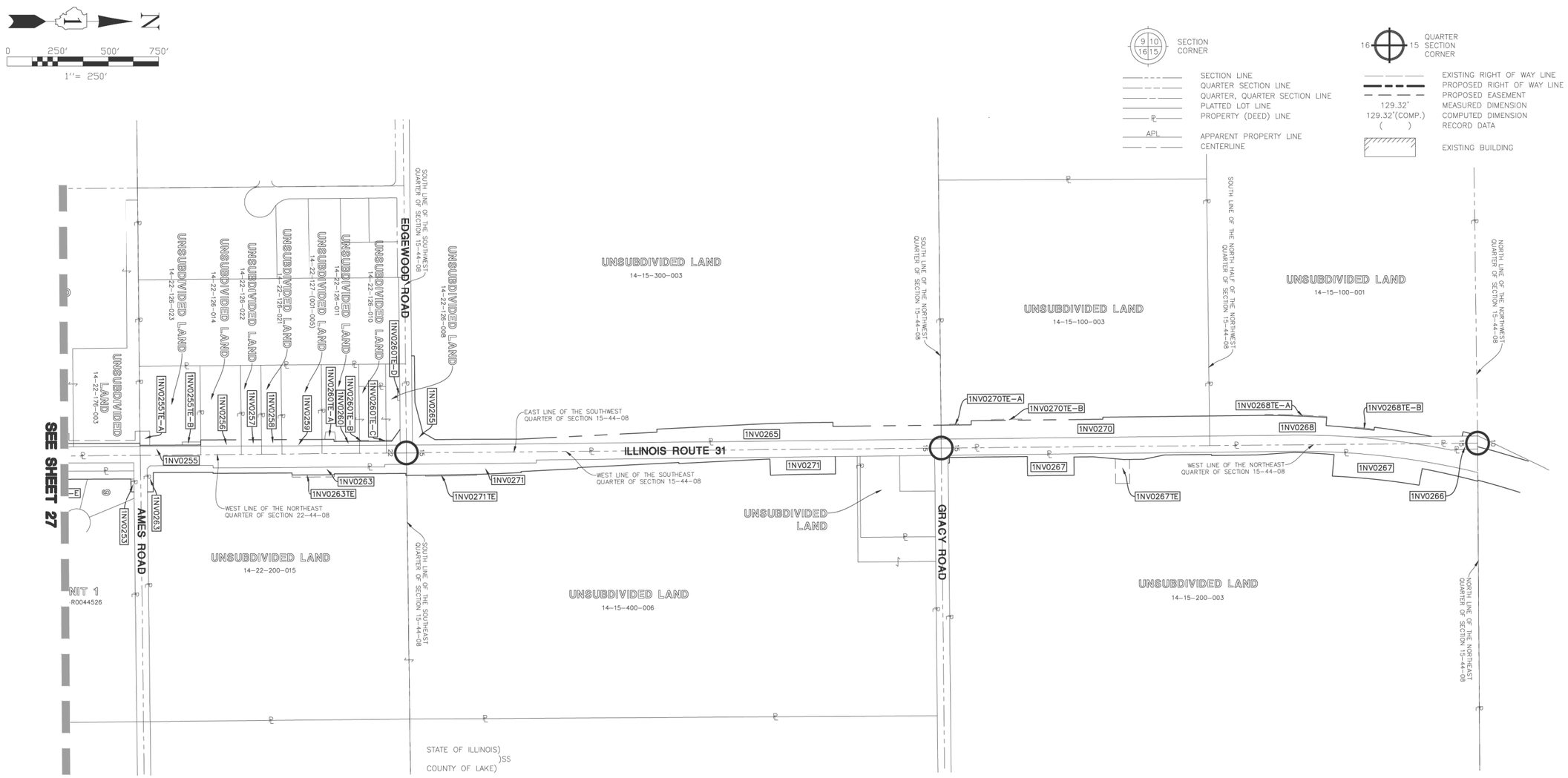
USER NAME = bwitort	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	492
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF SECTIONS 22 & 15 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS



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STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

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DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR
NO. 3648
LINCOLNSHIRE, ILLINOIS

REVISED: 05/05/2023 PER IDOT COMMENTS–PGA
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NOTES:

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IDOT USE ONLY

APPROVED
By Miguel.Carreno at 8:48 am, Jun 07, 2023

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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 239+50 TO STA. 306+00 ILLINOIS ROUTE 31
SCALE: 1" = 250' SHEET 28 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
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IDOT19–W02 SB

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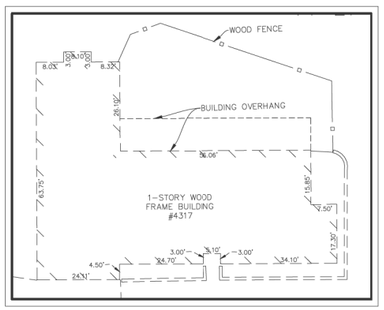
USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED -						835 / 493
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO.
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT

PART OF N 1/2 OF SECTION 27 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS



DETAIL A
1"=20'

LINE TABLE		
LINE	BEARING	LENGTH
L1	N89°31'52"E	21.02'
L2	S00°15'04"E	33.00'
L3	N00°15'25"W	32.99'
L4	S89°33'32"W	21.02'
L5	S89°33'32"W	24.13'
L6	N89°21'44"E	10.00'
L7	N89°21'44"E	92.88'
L8	N00°15'25"W	30.00'
L9	S00°15'25"E	30.00'
L10	S00°10'10"E	30.00'
L11	N89°21'44"E	92.92'
L12	S89°44'35"W	20.64'
L13	N00°15'25"W	34.00'
L14	N89°44'35"E	31.09'

LINE TABLE		
LINE	BEARING	LENGTH
L15	S89°20'37"W	17.34'
L16	N00°39'23"W	34.00'
L17	N89°20'37"E	17.92'
L18	N89°39'17"W	20.00'
L19	N00°19'35"E	32.68'
L20	N89°21'44"E	20.00'
L21	S00°19'35"W	33.02'
L22	N89°21'44"E	31.24'
L23	S89°12'16"W	31.21'
L24	N89°40'25"W	7.00'
L25	S00°19'35"W	21.72'
L26	S89°12'16"W	20.00'
L27	S89°40'25"E	13.00'

SECTION CORNER

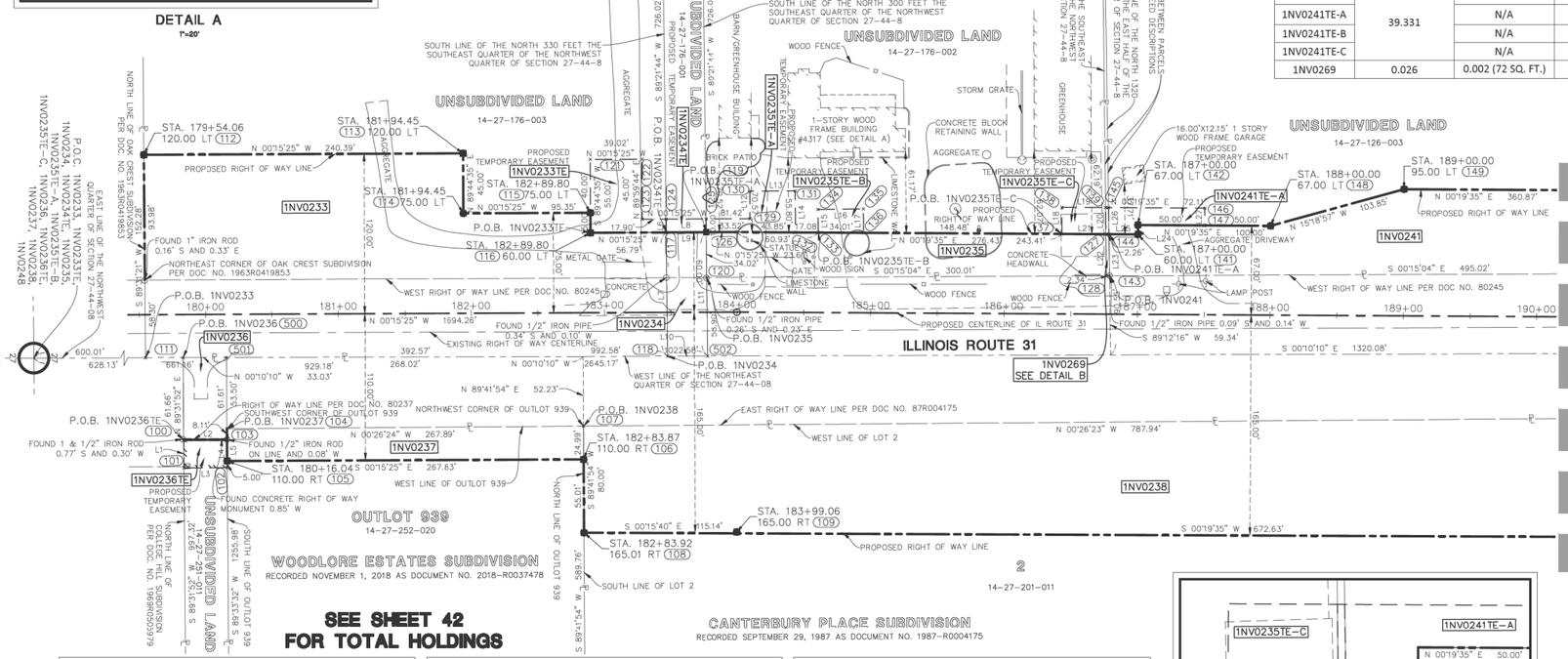
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA
EXISTING BUILDING

129.32'
129.32'(COMP.)
( )

0 50' 100' 150'
1"= 50'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0233	6.528	1.198	0.528	5.330	N/A	14-27-176-003
1NV0233TE		N/A	N/A		0.053	
1NV0234	10.259	0.064	0.041	10.195	N/A	14-27-176-001
1NV0234TE		N/A	N/A		0.007 (300 SQ. FT.)	
1NV0235	4.593	0.225	N/A	4.368	N/A	14-27-176-002
1NV0235TE-A		N/A	N/A		0.032	
1NV0235TE-B		N/A	N/A		0.014	
1NV0235TE-C		N/A	N/A		0.015	
1NV0236	5.578	0.047	0.047	5.531	N/A	14-27-251-011, 14-27-251-012
1NV0236TE		N/A	N/A		0.016	
1NV0237	9.384	0.151	N/A	9.233	N/A	14-27-252-020
1NV0238	10.545	1.522	N/A	9.023	N/A	14-27-201-011
1NV0241	39.331	1.607	N/A	37.724	N/A	14-27-126-001, 14-27-126-002, 14-27-126-003
1NV0241TE-A		N/A	N/A		0.025	
1NV0241TE-B		N/A	N/A		0.011	
1NV0241TE-C		N/A	N/A		0.043	
1NV0269	0.026	0.002 (72 SQ. FT.)	N/A	0.024	N/A	N/A



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- ○ REPLACED AFTER CONSTRUCTION

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)SS
COUNTY OF LAKE)

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DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR
NO. 3648
LINCOLNSHIRE, ILLINOIS

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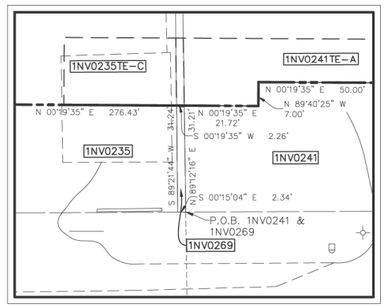
PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
100	179+82.99	93.98 R	2039103.79	996934.75
101	179+83.07	115.00 R	2039103.96	996955.77
102	180+16.06	115.00 R	2039136.95	996955.63
103	180+15.99	93.98 R	2039136.79	996934.61
104	180+15.96	85.87 R	2039136.73	996926.49
105	180+16.04	110.00 R	2039136.91	996950.63
106	182+83.87	110.00 R	2039404.74	996949.42
107	182+83.85	85.01 R	2039404.61	996924.44
108	182+83.92	165.01 R	2039405.03	997004.43
109	183+99.06	165.00 R	2039520.17	997003.91
111	179+54.64	32.27 R	2039075.17	996873.18
112	179+54.06	120.00 L	2039073.90	996720.91
113	181+94.45	120.00 L	2039314.29	996719.83
114	181+94.45	75.00 L	2039314.49	996764.83
115	182+89.80	75.00 L	2039409.84	996764.40
116	182+89.80	60.00 L	2039409.91	996779.40
117	183+46.59	60.00 L	2039466.70	996779.14
118	183+47.21	32.88 R	2039467.73	996872.02

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
119	183+76.59	60.00 L	2039496.70	996779.01
120	183+76.82	25.98 L	2039497.08	996813.03
121	182+89.80	115.00 L	2039409.66	996724.40
122	183+28.83	115.00 L	2039448.69	996724.22
123	183+28.63	70.00 L	2039448.69	996769.23
124	183+46.53	70.00 L	2039466.59	996769.14
125	183+76.53	70.00 L	2039496.59	996769.01
126	183+99.90	60.00 L	2039520.31	996778.90
127	186+76.02	60.00 L	2039796.73	996780.48
128	186+76.55	28.77 L	2039797.08	996811.71
129	184+09.33	70.10 L	2039530.11	996768.86
130	184+09.12	90.74 L	2039530.02	996748.22
131	184+43.12	91.08 L	2039564.02	996748.07
132	184+43.44	60.00 L	2039564.16	996779.15
133	184+60.51	60.00 L	2039581.23	996779.25
134	184+60.22	77.34 L	2039581.03	996761.91
135	184+94.21	77.92 L	2039615.03	996761.52
136	184+94.52	60.00 L	2039615.24	996779.44

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
137	186+43.00	60.00 L	2039763.71	996780.29
138	186+43.00	80.00 L	2039763.83	996760.29
139	186+75.68	80.00 L	2039796.51	996760.48
141	187+00.00	60.00 L	2039820.71	996780.62
142	187+00.00	67.00 L	2039820.75	996773.62
143	186+78.89	28.79 L	2039799.43	996811.70
144	186+78.28	60.00 L	2039798.99	996780.49
145	186+77.89	80.00 L	2039798.72	996760.49
146	187+50.00	80.00 L	2039870.83	996760.90
147	187+50.00	67.00 L	2039870.75	996773.90
148	188+00.00	67.00 L	2039920.75	996774.19
149	189+00.00	95.00 L	2040020.91	996746.76
500	179+82.76	32.32 R	2039103.29	996873.09
501	180+15.79	32.37 R	2039136.32	996873.00
502	183+99.06	32.92 R	2039497.73	996871.93



DETAIL B
1"=20'

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

Manhard CONSULTING LTD
Shorewood Park, Suite 2900 | Naperville, IL 60563 | ph 847.884.0900 | fax 847.884.0999 | manhard.com
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 180+00 TO STA. 190+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' SHEET 29 OF 50 SHEETS

APPROVED
By Miguel.Coreano at 7:58 am, Nov 02, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19-W02 SB

MODEL: Default
FILE NAME: pw:\\autht-fcsc-pw.bentley.com:pathtkscs-pw-07\Documents\IDOT\22177.019\12 Design\12-3 CADD\SHEETS\C1-SHT-ROW-SOUTH-29.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
	DRAWN -	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	494
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

PART OF N 1/2 OF SECTION 27 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

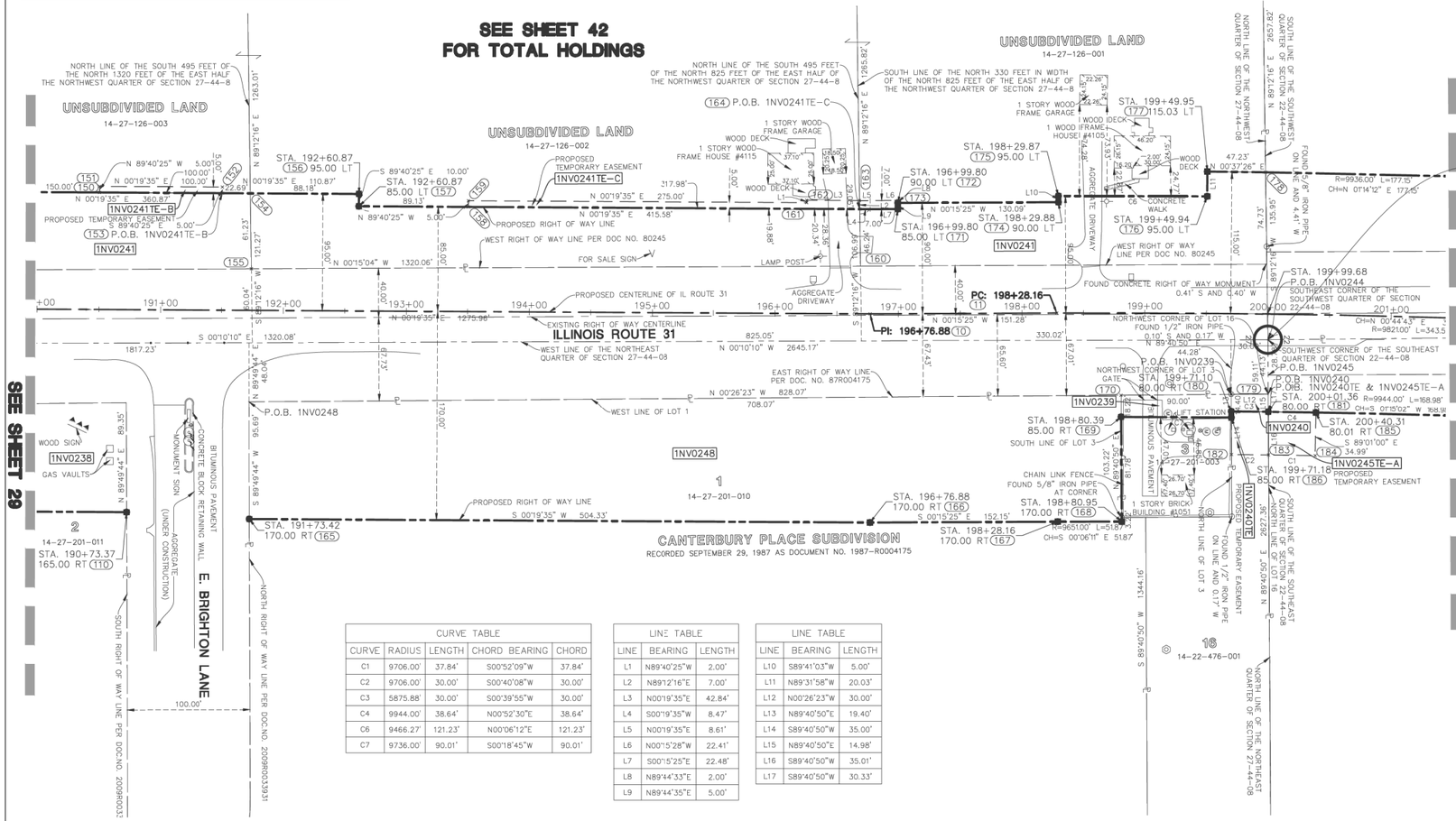
PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
10	196+76.88	0.00	2040797.23	996846.18
11	196+28.16	0.00	2040948.51	996845.50
110	190+73.37	165.00 R	2040192.80	997007.74
150	190+50.00	95.00 L	2040170.91	996747.61
151	190+50.00	100.00 L	2040170.94	996742.61
152	191+50.00	100.00 L	2040270.93	996743.18
153	191+50.00	95.00 L	2040270.91	996748.18
154	191+72.69	95.00 L	2040293.59	996748.31
155	191+73.89	33.78 L	2040294.44	996809.53
156	192+60.87	95.00 L	2040381.77	996748.81
157	192+60.87	85.00 L	2040381.72	996758.81
158	193+50.00	85.00 L	2040470.84	996759.32
159	193+50.00	90.00 L	2040470.87	996754.32
160	196+68.89	38.77 L	2040789.46	996807.36
161	196+25.00	90.00 L	2040745.87	996755.88
162	196+25.00	92.00 L	2040745.88	996753.88
163	196+67.84	92.00 L	2040788.72	996754.13
164	196+67.98	85.00 L	2040788.82	996761.13
165	191+73.42	170.00 R	2040292.81	99703.31
166	196+76.88	170.00 R	2040797.13	997016.18

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
167	198+28.16	170.00 R	2040949.27	997015.50
168	198+80.95	170.00 R	2041001.15	997015.41
169	198+80.39	85.00 R	2041000.67	996930.41
170	198+80.27	66.78 R	2041000.57	996912.19
171	196+99.80	85.00 L	2040819.77	996761.08
172	196+99.80	90.00 L	2040819.75	996756.08
173	196+99.80	92.00 L	2040819.74	996754.08
174	198+29.88	90.00 L	2040949.84	996755.49
175	198+29.87	95.00 L	2040949.82	996750.49
176	199+49.94	95.00 L	2041071.05	996750.71
177	199+49.95	115.03 L	2041071.21	996730.69
178	199+96.63	115.00 L	2041118.44	996731.20
179	199+70.88	65.60 R	2041090.57	996911.50
180	199+71.10	80.00 R	2041090.65	996925.90
181	200+01.36	80.00 R	2041120.65	996926.24
182	199+71.66	115.00 R	2041090.85	996960.90
183	200+02.02	115.00 R	2041120.85	996961.25
184	200+40.31	115.00 R	2041158.69	996961.82
185	200+40.31	80.01 R	2041159.29	996926.83
186	199+71.18	85.00 R	2041090.68	996930.90

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0248	10.153	1.628	N/A	8.525	N/A	14-27-201-010
1NV0238	10.545	1.522	N/A	9.023	N/A	14-27-201-011
1NV0239	0.206	0.039	N/A	0.167	N/A	14-27-201-003
1NV0240	44.587	0.01 (440 SQ. FT.)	N/A	44.577	N/A	14-22-476-001, 14-23-351-001
1NV0240TE		N/A	N/A		0.024	
1NV0241	39.331	1.607	N/A	37.724	N/A	14-27-126-001, 14-27-126-002, 14-27-126-003
1NV0241TE-A		N/A	N/A		0.025	
1NV0241TE-B		N/A	N/A		0.011	
1NV0241TE-C		N/A	N/A		0.043	


SEE SHEET 42
FOR TOTAL HOLDINGS
UNSUBDIVIDED LAND
14-27-126-003
UNSUBDIVIDED LAND
14-27-126-002
UNSUBDIVIDED LAND
14-27-126-001
1NV0241TE-B
1NV0241TE-C
1NV0241
1NV0248
1NV0238
1NV0239
1NV0240
1NV0240TE
1NV0245TE-A
ILLINOIS ROUTE 31
E. BRIGHTON LANE
CANTERBURY PLACE SUBDIVISION
RECORDED SEPTEMBER 29, 1987 AS DOCUMENT NO. 1987-R0004175
SEE SHEET 29
SEE SHEET 31
P.O.B. 1NV0241TE-B
P.O.B. 1NV0248
P.O.B. 1NV0239
P.O.B. 1NV0244
P.O.B. 1NV0240
P.O.B. 1NV0240TE & 1NV0245TE-A
P.O.B. 1NV0245
PC: 198+28.16
PI: 196+76.88
PROPOSED RIGHT OF WAY LINE
PROPOSED TEMPORARY EASEMENT
PROPOSED CENTERLINE OF IL ROUTE 31
EXISTING RIGHT OF WAY CENTERLINE
WEST RIGHT OF WAY LINE PER DOC NO. 80245
EAST RIGHT OF WAY LINE PER DOC. NO. 87R004175
WEST LINE OF LOT 1
WEST LINE OF THE NORTHEAST QUARTER OF SECTION 27-44-08
NORTH LINE OF THE SOUTH 495 FEET OF THE NORTH 1320 FEET OF THE EAST HALF THE NORTHWEST QUARTER OF SECTION 27-44-8
NORTH LINE OF THE SOUTH 495 FEET OF THE NORTH 825 FEET OF THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 27-44-8
SOUTH LINE OF THE NORTH 330 FEET IN WIDTH OF THE NORTH 825 FEET OF THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 27-44-8
NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 27-44-08
SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 22-44-08
SOUTHEAST CORNER OF THE SOUTHWEST QUARTER OF SECTION 22-44-08
SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF SECTION 22-44-08
NORTHWEST CORNER OF LOT 16
NORTHWEST CORNER OF LOT 3
NORTH LINE OF LOT 3
SOUTH LINE OF LOT 3
NORTH LINE OF THE SOUTHEAST QUARTER OF SECTION 27-44-08
SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 22-44-08
STA. 192+60.87 156 95.00 LT
STA. 192+60.87 157 85.00 LT
STA. 196+99.80 172 90.00 LT
STA. 196+99.80 174 90.00 LT 85.00 LT 171
STA. 196+76.88 170.00 RT 166
STA. 198+28.16 170.00 RT 167
STA. 191+73.42 170.00 RT 165
STA. 190+73.37 165.00 RT 110
STA. 198+29.87 175 95.00 LT
STA. 199+49.95 177 115.03 LT
STA. 199+49.94 176 95.00 LT
STA. 199+99.68
STA. 198+80.39 85.00 RT 169
STA. 198+80.95 170.00 RT 168
STA. 199+71.10 80.00 RT 180
STA. 200+01.36 80.00 RT 181
STA. 200+40.31 80.01 RT 185
STA. 199+71.18 85.00 RT 186
1 STORY WOOD FRAME GARAGE
1 STORY WOOD FRAME HOUSE #4115
1 WOOD IFRAME HOUSE #4105
WOOD DECK
CONCRETE WALK
AGGREGATE DRIVEWAY
AGGREGATE DRIVEWAY
LAMP POST
FOR SALE SIGN
WOOD SIGN
GAS VAULTS
CONCRETE BLOCK RETAINING WALL
MONUMENT SIGN
(UNDER CONSTRUCTION)
BITUMINOUS PAVEMENT
AGGREGATE
FOUND CONCRETE RIGHT OF WAY MONUMENT 0.41' S AND 0.40' W
FOUND 1/2" IRON PIPE 0.18' S AND 0.17' W
FOUND 5/8" IRON PIPE ON LINE AND 4.41' W
FOUND 1/2" IRON PIPE ON LINE AND 0.17' W
CHAIN LINK FENCE
FOUND 5/8" IRON PIPE AT CORNER
1 STORY BRICK BUILDING #4051
BITUMINOUS PAVEMENT
1 STORY WOOD DECK
1 STORY WOOD FRAME GARAGE
WOOD DECK
WOOD DECK
14-27-201-010
14-27-201-011
14-27-201-003
14-22-476-001
N 89°40'25" W 5.00'
N 00°19'35" E 100.00'
N 00°19'35" E 360.87'
S 89°40'25" E 5.00'
N 00°19'35" E 88.18'
S 89°40'25" E 10.00'
N 00°19'35" E 275.00'
N 00°19'35" E 415.58'
N 89°40'25" W 5.00'
N 00°15'25" W 130.09'
N 00°15'04" W 1320.06'
S 00°10'10" E 1320.08'
N 00°19'35" E 1275.98'
N 00°10'10" W 2645.17'
N 00°26'23" W 828.07'
708.07'
S 00°19'35" W 504.33'
S 00°15'25" E 152.15'
N 89°44'33" E 2.00'
N 89°44'35" E 5.00'
S 89°41'03" W 5.00'
N 89°31'58" W 20.03'
N 00°26'23" W 30.00'
N 89°40'50" E 19.40'
S 89°40'50" W 35.00'
S 89°40'50" W 14.98'
S 89°40'50" W 35.01'
S 89°40'50" W 30.33'
N 89°40'50" E 44.28'
S 89°40'50" W 44.28'
N 89°40'50" E 103.22'
S 89°40'50" W 81.78'
S 89°40'50" W 69.68'
N 89°40'50" E 69.68'
N 89°40'50" E 69.68'
S 89°40'50" W 69.68'
S 89°40'50" W 69.68'
N 89°40'50" E 69.68'
S 89°40'50" W 69.68'
S 89°40'50" W 69.68'
S 89°40'50" W

PART OF S 1/2 OF SECTION 22 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0244	20.030	1.801	1.101	18.229	N/A	14-22-300-036 (PT)
1NV0244TE-A		N/A	N/A		0.008 (351 SQ. FT.)	
1NV0244TE-B		N/A	N/A		0.011	
1NV0245	54.929	3.038	1.041	51.891	N/A	14-22-400-028, 14-22-400-029
1NV0245TE-A		N/A	N/A		0.031	
1NV0245TE-B		N/A	N/A		0.014	
1NV0245TE-C		N/A	N/A		0.252	
1NV0245TE-D		N/A	N/A		0.030	
1NV0246-A	57.186	0.465	2.071	54.511	N/A	14-22-300-034, 14-22-300-036 (PT), 14-22-300-038 (PT), 14-22-300-035
1NV0246-B		2.210			N/A	
1NV0246TE-A		N/A	N/A		0.137	
1NV0246TE-B		N/A	N/A		0.015	
1NV0246TE-C		N/A	N/A		0.015	
1NV0246TE-D		N/A	N/A		0.677	
1NV0246TE-E		N/A	N/A		0.034	

LINE TABLE		
LINE	BEARING	LENGTH
L12	N00°26'23"W	30.00'
L13	N89°40'50"E	19.40'
L14	S89°40'50"W	35.00'
L15	N89°40'50"E	14.98'
L16	S89°40'50"W	35.01'
L17	S89°40'50"W	30.33'
L18	S01°44'51"W	25.69'

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	9706.00'	37.84'	S00°52'09"W	37.84'
C2	9706.00'	30.00'	S00°40'08"W	30.00'
C3	5875.88'	30.00'	S00°39'55"W	30.00'
C4	9944.00'	38.64'	N00°52'30"E	38.64'

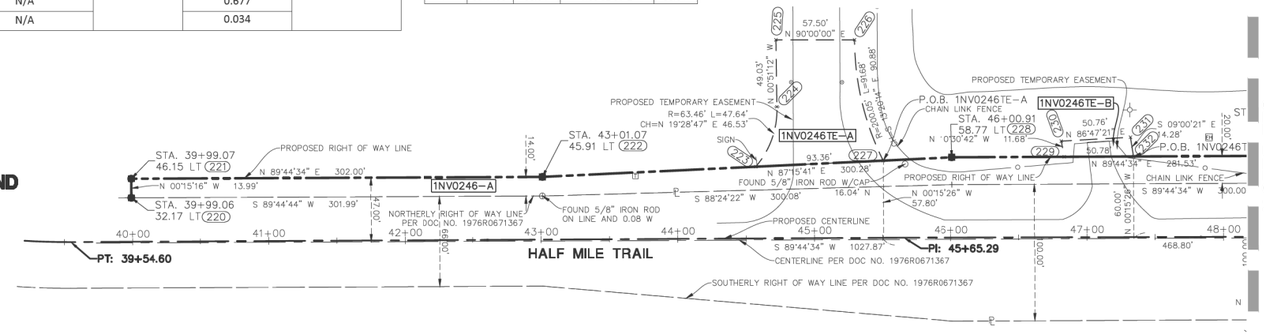
NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

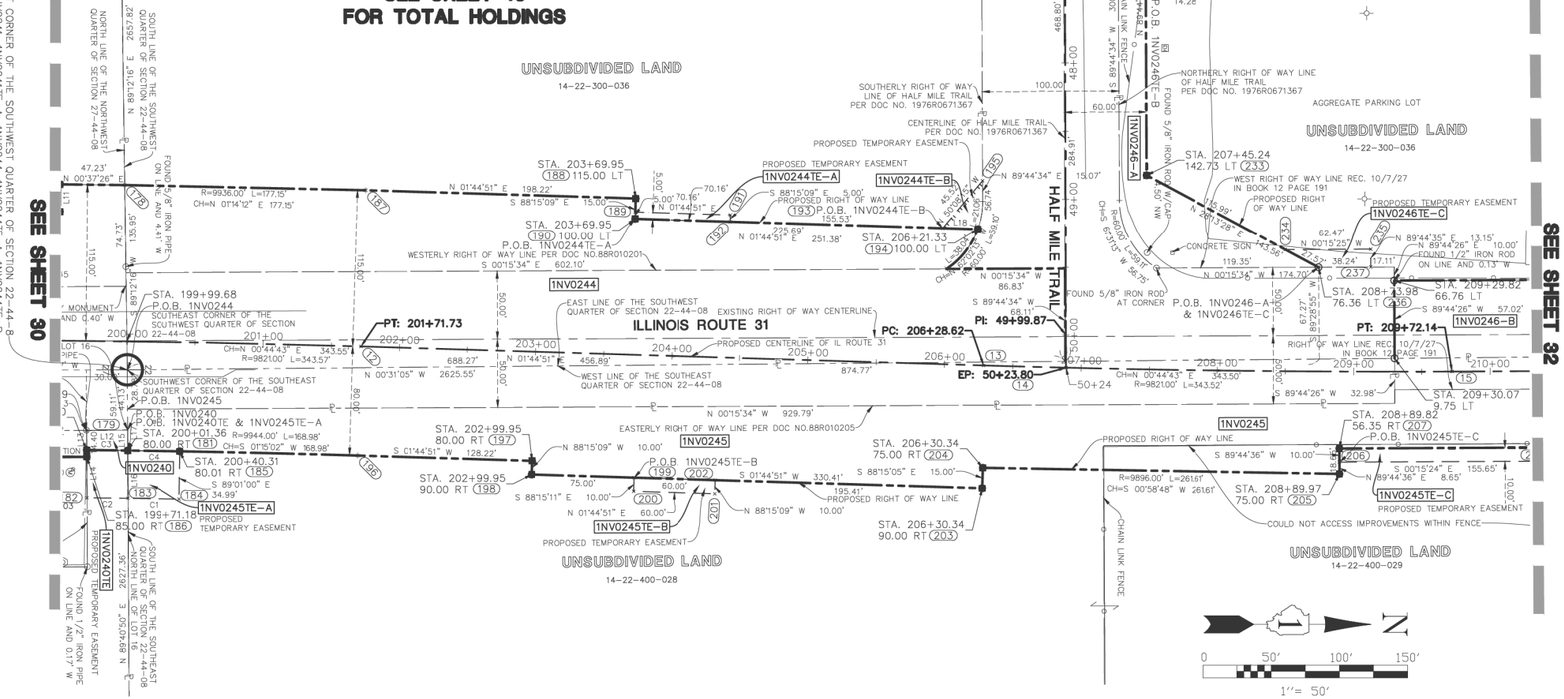
SECTION CORNER — QUARTER SECTION CORNER

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' — MEASURED DIMENSION
- 129.32'(COMP.) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING

SEE SHEET 32 FOR POINT TABLE AND COORDINATES



SEE SHEET 43 FOR TOTAL HOLDINGS



- ● IRON ROD SET
- ○ IRON PIPE OR ROD FOUND
- ✚ CUT CROSS FOUND OR SET
- ○ T1, T2, T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1, BT2, BT3 — THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ◇ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- ⊣ PK NAIL SET
- ○ REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

JAMES D. BAKER — ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648 — LINCOLNSHIRE, ILLINOIS

REVISED: 04/28/2023 PER IDOT COMMENTS—PGA
REVISED: 02/09/2022 PER IDOT COMMENTS—PGA
REVISED: 11/18/2021 PER IDOT COMMENTS—PGA
REVISED: 11/03/2021 PER IDOT COMMENTS—PGA
REVISED: 09/24/2021 PER IDOT COMMENTS—PGA
REVISED: 07/19/2021 PER IDOT COMMENTS—PGA
REVISED: 05/28/2021 PER IDOT COMMENTS—PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS—PGA
REVISED: 12/14/2020 PER IDOT COMMENTS—PGA
REVISED: 10/28/2020 PER IDOT COMMENTS—PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

LIMITS: IL ROUTE 176 TO IL ROUTE 120 — COUNTY: MCHENRY
SECTION: _____ — JOB NO.:R-91-013-07
STA. 200+00 TO STA. 210+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' — SHEET 31 OF 50 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–WO2 SB

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	496
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: pw:\\pathfinder-pw.bentley.com:pathfinder-pw-07\Documents\IDOT\22177.01\912 Design\12.3 CADD\SHEETS\C1-SHT-ROW-SOUTH-31.dgn

PART OF S 1/2 OF SECTION 22 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
178	199+96.63	115.00 L	2041118.44	996731.20
181	200+01.36	80.00 R	2041120.65	996926.24
183	200+02.02	115.00 R	2041120.85	996961.25
184	200+40.31	115.00 R	2041158.69	996961.82
185	200+40.31	80.01 R	2041159.29	996926.83
186	199+71.18	85.00 R	2041090.68	996930.90
187	201+71.73	115.00 L	2041295.54	996735.02
188	203+69.95	115.00 L	2041493.67	996741.07
189	203+69.95	105.00 L	2041493.36	996751.06
190	203+69.95	100.00 L	2041493.21	996756.06
191	204+40.11	105.00 L	2041563.49	996753.20
192	204+40.11	100.00 L	2041563.34	996758.20
193	205+95.64	100.00 L	2041718.80	996762.94
194	206+21.33	100.00 L	2041744.47	996763.73
195	206+23.73	135.81 L	2041747.97	996728.00
196	201+71.73	80.00 R	2041289.60	996929.93
197	202+99.95	80.00 R	2041417.76	996933.84
198	202+99.95	90.00 R	2041417.45	996943.84
199	203+74.95	90.00 R	2041492.42	996946.12
200	203+74.95	100.00 R	2041492.11	996956.12
201	204+34.95	100.00 R	2041552.08	996957.95
202	204+34.95	90.00 R	2041552.39	996947.95
203	206+30.34	90.00 R	2041747.70	996953.91

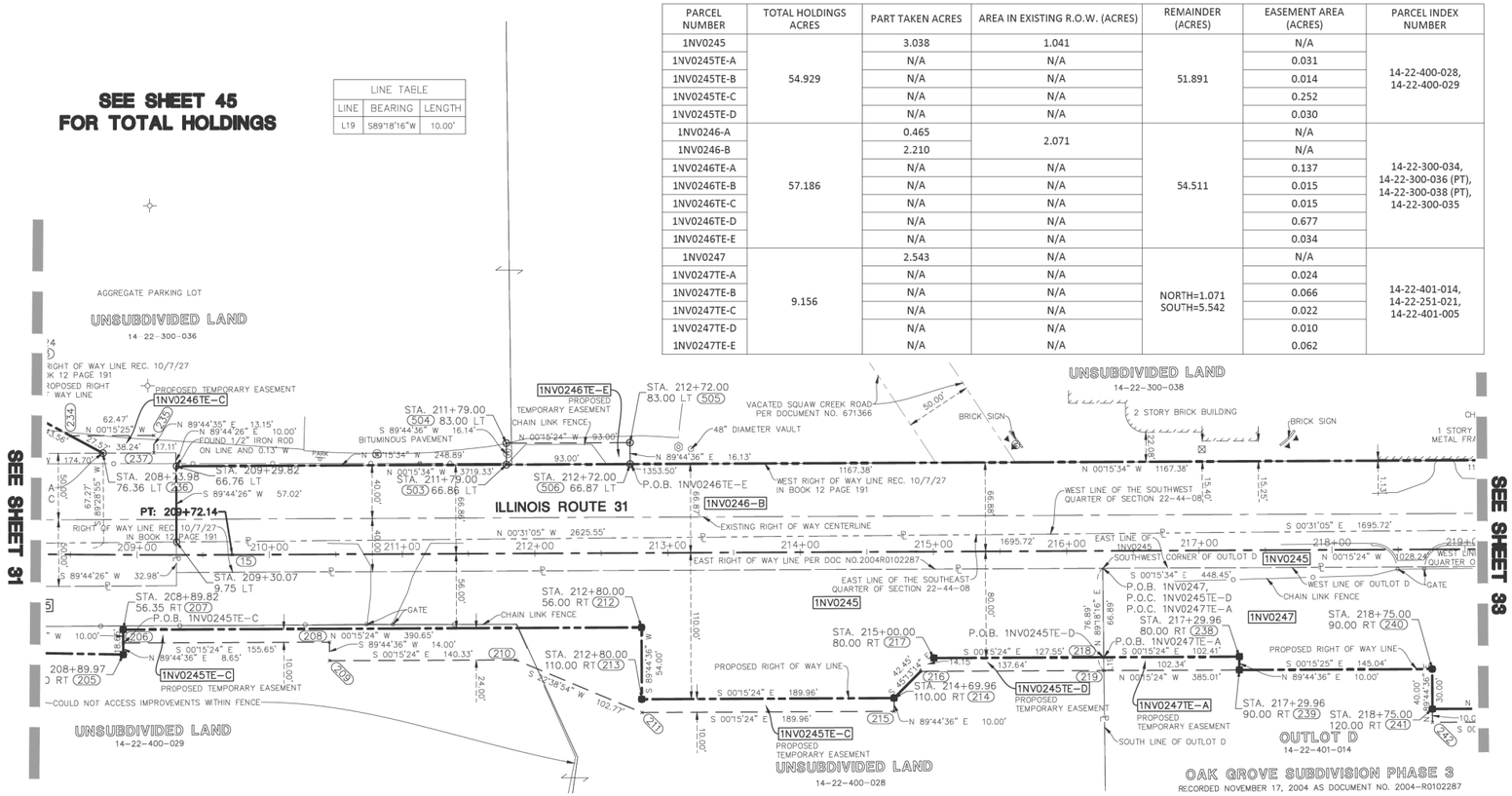
PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
204	206+30.34	75.00 R	2041748.16	996938.92
205	208+89.97	75.00 R	2042009.73	996943.39
206	208+89.90	66.35 R	2042009.69	996934.74
207	208+89.82	56.35 R	2042009.65	996924.74
220	39+99.06	32.17 L	2041837.00	995840.67
221	39+99.07	46.15 L	2041850.99	995840.61
222	43+01.07	45.91 L	2041852.34	996142.60
223	44+57.10	52.55 L	2041859.81	996298.60
224	44+72.85	96.33 L	2041903.67	996314.11
225	44+72.38	145.36 L	2041952.70	996313.38
226	45+29.88	145.06 L	2041952.70	996370.88
227	45+50.38	56.52 L	2041864.27	996391.85
228	46+00.91	58.77 L	2041866.69	996442.54
229	46+83.32	58.93 L	2041867.06	996524.95
230	46+81.22	70.43 L	2041878.55	996522.81
231	47+31.91	73.14 L	2041881.39	996573.49
232	47+34.11	59.03 L	2041867.29	996575.73
233	48+82.44	59.32 L	2041867.96	996724.06
234	208+49.39	89.24 L	2041970.15	996778.92
235	209+12.43	89.82 L	2042032.63	996778.64
236	208+73.98	76.36 L	2041994.45	996791.96
237	209+12.51	76.67 L	2042032.68	996791.78

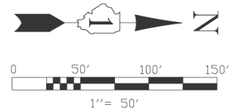
PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
12	201+71.73	0.00	2041292.03	996849.97
13	206+28.62	0.00	2041748.71	996863.90
14	206+88.92	0.00	2041808.99	996865.57
15	209+72.14	0.00	2042092.19	996868.37
208	210+45.00	66.00 R	2042165.34	996934.04
209	210+45.00	80.00 R	2042165.41	996948.04
210	211+85.33	80.00 R	2042305.73	996947.41
211	212+80.00	120.00 R	2042400.58	996986.99
212	212+80.00	56.00 R	2042400.30	996922.99
213	212+80.00	110.00 R	2042400.54	996976.99
214	214+69.96	110.00 R	2042590.50	996976.14
215	214+69.96	120.00 R	2042590.54	996986.14
216	214+89.99	90.00 R	2042610.43	996956.05
217	215+00.00	80.00 R	2042620.40	996946.00
218	216+27.55	80.00 R	2042747.95	996945.43
219	216+27.63	90.00 R	2042748.07	996955.43
238	217+29.96	80.00 R	2042850.36	996944.97
239	217+29.96	90.00 R	2042850.41	996954.97
240	218+75.00	90.00 R	2042995.44	996954.32
241	218+75.00	120.00 R	2042995.58	996984.32
242	218+75.00	130.00 R	2042995.62	996994.32
503	211+79.00	66.86 L	2042298.75	996800.58
504	211+79.00	83.00 L	2042298.67	996784.44
505	212+72.00	83.00 L	2042391.67	996784.03
506	212+72.00	66.87 L	2042391.75	996800.16

LINE TABLE		
LINE	BEARING	LENGTH
L19	S89°18'16"W	10.00'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0245	54.929	3.038	1.041	51.891	N/A	14-22-400-028, 14-22-400-029
1NV0245TE-A		N/A	N/A		0.031	
1NV0245TE-B		N/A	N/A		0.014	
1NV0245TE-C		N/A	N/A		0.252	
1NV0245TE-D		N/A	N/A		0.030	
1NV0246-A	57.186	0.465	2.071	54.511	N/A	14-22-300-034, 14-22-300-036 (PT), 14-22-300-038 (PT), 14-22-300-035
1NV0246-B		2.210			N/A	
1NV0246TE-A		N/A	N/A		0.137	
1NV0246TE-B		N/A	N/A		0.015	
1NV0246TE-C		N/A	N/A		0.015	
1NV0246TE-D		N/A	N/A		0.677	
1NV0246TE-E		N/A	N/A		0.034	
1NV0247	9.156	2.543	N/A	NORTH=1.071 SOUTH=5.542	N/A	14-22-401-014, 14-22-251-021, 14-22-401-005
1NV0247TE-A		N/A	N/A		0.024	
1NV0247TE-B		N/A	N/A		0.066	
1NV0247TE-C		N/A	N/A		0.022	
1NV0247TE-D		N/A	N/A		0.010	
1NV0247TE-E		N/A	N/A		0.062	

SEE SHEET 45 FOR TOTAL HOLDINGS





NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL — APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' — MEASURED DIMENSION
129.32'(COMP.) — COMPUTED DIMENSION
( ) — RECORD DATA
EXISTING BUILDING

- ● IRON ROD SET
- ○ IRON PIPE OR ROD FOUND
- ✚ CUT CROSS FOUND OR SET
- ○ T1, T2, T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1, BT2, BT3 — THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ◇ LIGHT STANDARD
- ⌇ PK NAIL SET
- ○ REPLACED AFTER CONSTRUCTION

P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY TH-E POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR
NO. 3648
LINCOLNSHIRE, ILLINOIS

REVISED: 04/28/2023 PER IDOT COMMENTS-PGA
REVISED: 02/09/2022 PER IDOT COMMENTS-PGA
REVISED: 11/18/2021 PER IDOT COMMENTS-PGA
REVISED: 11/03/2021 PER IDOT COMMENTS-PGA
REVISED: 09/24/2021 PER IDOT COMMENTS-PGA
REVISED: 07/19/2021 PER IDOT COMMENTS-PGA
REVISED: 05/28/2021 PER IDOT COMMENTS-PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS-PGA
REVISED: 12/14/2020 PER IDOT COMMENTS-PGA
REVISED: 10/28/2020 PER IDOT COMMENTS-PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

APPROVED
By Miguel.Correano at 8:49 am, Jun 07, 2023

LIMITS: IL ROUTE 176 TO IL ROUTE 120 — COUNTY: MCHENRY
SECTION: _____ — JOB NO.:R-91-013-07
STA. 208+00 TO STA. 218+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' — SHEET 32 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19-WO2 SB

MODEL: Default
FILE NAME: pw:\\quait-kcc-pw.bentley.com:quait-kcc-pw-04\Documents\IDOT\22177.019\12 Design\12.3 CADD\SHEETS\C1-SHT-ROW-SOUTH-32.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	497
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

PART OF S 1/2 OF SECTION 22 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
16	220+00.38	0.00	2043120.42	996863.76
17	225+00.45	0.00	2043620.38	996853.52
238	217+29.96	80.00 R	2042850.36	996944.97
239	217+29.96	90.00 R	2042850.41	996954.97
240	218+75.00	90.00 R	2042995.44	996954.32
241	218+75.00	120.00 R	2042995.58	996984.32
242	218+75.00	130.00 R	2042995.62	996994.32
243	220+00.38	120.00 R	2043121.92	996983.76
244	220+00.38	130.00 R	2043122.04	996993.76
245	220+75.90	130.00 R	2043198.58	996992.19
246	220+75.84	120.00 R	2043198.32	996982.19
247	221+60.00	120.00 R	2043282.46	996980.47
248	221+60.00	130.00 R	2043282.67	996990.47
249	221+60.00	95.00 R	2043281.95	996955.47
250	221+60.00	90.00 R	2043281.85	996950.48
251	223+50.00	90.00 R	2043471.81	996946.58
252	223+50.00	95.00 R	2043471.91	996951.58
253	223+74.50	90.00 R	2043496.30	996946.08
254	224+44.51	90.00 R	2043566.29	996944.65
255	224+99.73	90.00 R	2043621.50	996943.52
257	220+39.90	217.79 L	2043155.47	996645.21
258	220+80.62	215.31 L	2043196.24	996646.85
259	220+79.51	197.03 L	2043195.50	996665.16
260	221+41.31	153.68 L	2043258.17	996707.23

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
261	221+39.74	105.00 L	2043257.60	996755.93
262	220+98.54	65.35 L	2043217.22	996796.42
263	220+98.64	75.00 L	2043217.12	996786.77
264	223+20.00	105.00 L	2043437.82	996752.24
265	223+20.00	100.00 L	2043437.92	996757.24
266	224+00.00	75.00 L	2043518.42	996780.59
267	224+00.00	70.00 L	2043518.52	996785.59
268	225+00.45	70.00 L	2043619.51	996783.53
269	225+00.45	100.00 L	2043619.13	996753.53
270	225+00.45	120.00 L	2043619.04	996733.53
271	226+25.17	120.00 L	2043744.56	996732.96
272	226+25.49	70.00 L	2043745.11	996782.96
273	225+99.94	90.00 R	2043720.28	996943.07
274	225+99.94	97.47 R	2043720.33	996953.94
275	225+99.94	107.47 R	2043720.36	996960.55
276	226+61.61	107.47 R	2043782.03	996960.27
277	226+73.11	100.89 R	2043793.50	996953.64
278	227+70.22	100.92 R	2043890.60	996953.23
279	227+71.49	107.47 R	2043891.90	996959.78
305	227+70.00	120.00 L	2043889.39	996732.31
306	227+70.00	105.00 L	2043889.46	996747.31
457	220+33.14	66.39 L	2043151.82	996796.72
458	220+75.27	14.29 R	2043195.58	996876.52
459	220+75.49	54.30 R	2043196.62	996916.52

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0245	54.929	3.038	1.041	51.891	N/A	14-22-400-028, 14-22-400-029
1NV0245TE-A		N/A	N/A		0.031	
1NV0245TE-B		N/A	N/A		0.014	
1NV0245TE-C		N/A	N/A		0.252	
1NV0245TE-D		N/A	N/A		0.030	
1NV0246-A	57.186	0.465	2.071	54.511	N/A	14-22-300-034, 14-22-300-036 (PT), 14-22-300-038 (PT), 14-22-300-035
1NV0246-B		2.210			N/A	
1NV0246TE-A		N/A	N/A		0.137	
1NV0246TE-B		N/A	N/A		0.015	
1NV0246TE-C		N/A	N/A		0.015	
1NV0246TE-D		N/A	N/A		0.677	
1NV0246TE-E		N/A	N/A		0.034	
1NV0247	9.156	2.543	N/A	NORTH=1.071 SOUTH=5.542	N/A	14-22-401-014, 14-22-251-021, 14-22-401-005
1NV0247TE-A		N/A	N/A		0.024	
1NV0247TE-B		N/A	N/A		0.066	
1NV0247TE-C		N/A	N/A		0.022	
1NV0247TE-D		N/A	N/A		0.010	
1NV0247TE-E		N/A	N/A		0.062	
1NV0249	1.691	1.691	1.691	0.000	N/A	14-22-251-022
1NV0250TE	0.484	N/A	N/A	N/A	0.016	14-22-251-019
1NV0254	39.876	2.154	1.400	37.722	N/A	14-22-176-002, 14-22-176-003
1NV0254TE-A		N/A	N/A		0.230	
1NV0254TE-B		N/A	N/A		0.360	

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

9 10 16 15 SECTION CORNER

16 15 QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

- ● IRON ROD SET
- ○ IRON PIPE OR ROD FOUND
- ✚ CUT CROSS FOUND OR SET
- ○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ✧ LIGHT STANDARD

P.O.B. = POINT OF BEGINNING P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

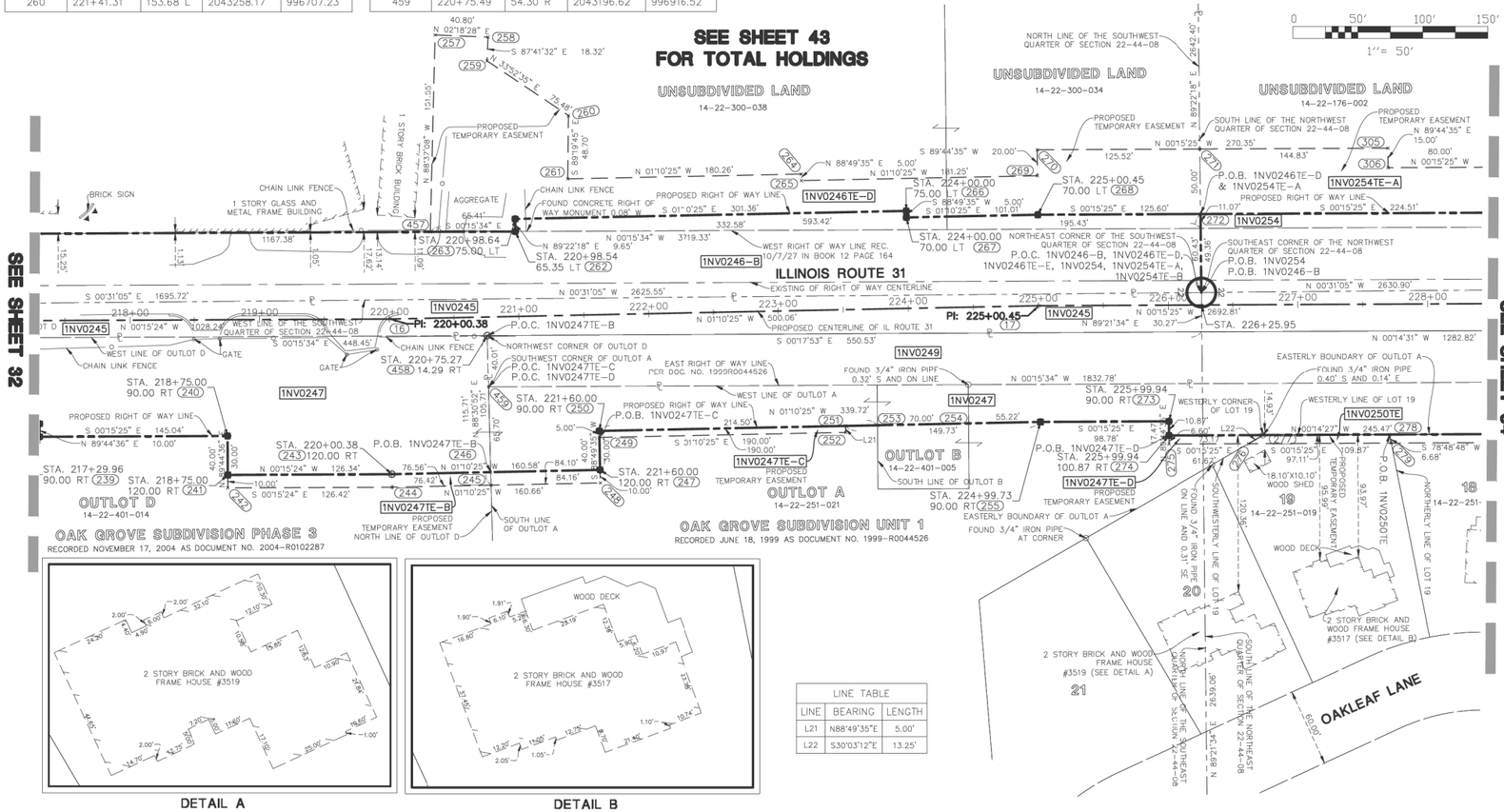
DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

JAMES D. BAKER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648 LINCOLNSHIRE, ILLINOIS

REVISED: 04/28/2023 PER IDOT COMMENTS–PGA
REVISED: 02/09/2022 PER IDOT COMMENTS–PGA
REVISED: 11/18/2021 PER IDOT COMMENTS–PGA
REVISED: 11/03/2021 PER IDOT COMMENTS–PGA
REVISED: 09/24/2021 PER IDOT COMMENTS–PGA
REVISED: 07/19/2021 PER IDOT COMMENTS–PGA
REVISED: 05/28/2021 PER IDOT COMMENTS–PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
REVISED: 12/14/2020 PER IDOT COMMENTS–PGA
REVISED: 10/28/2020 PER IDOT COMMENTS–PGA



LINE TABLE		
LINE	BEARING	LENGTH
L21	N88°49'35"E	5.00'
L22	S30°03'12"E	13.25'

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2023

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 218+00 TO STA. 227+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' SHEET 33 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–WO2 SB

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USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	498
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

PART OF N 1/2 OF SECTION 22 TWP. 44N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

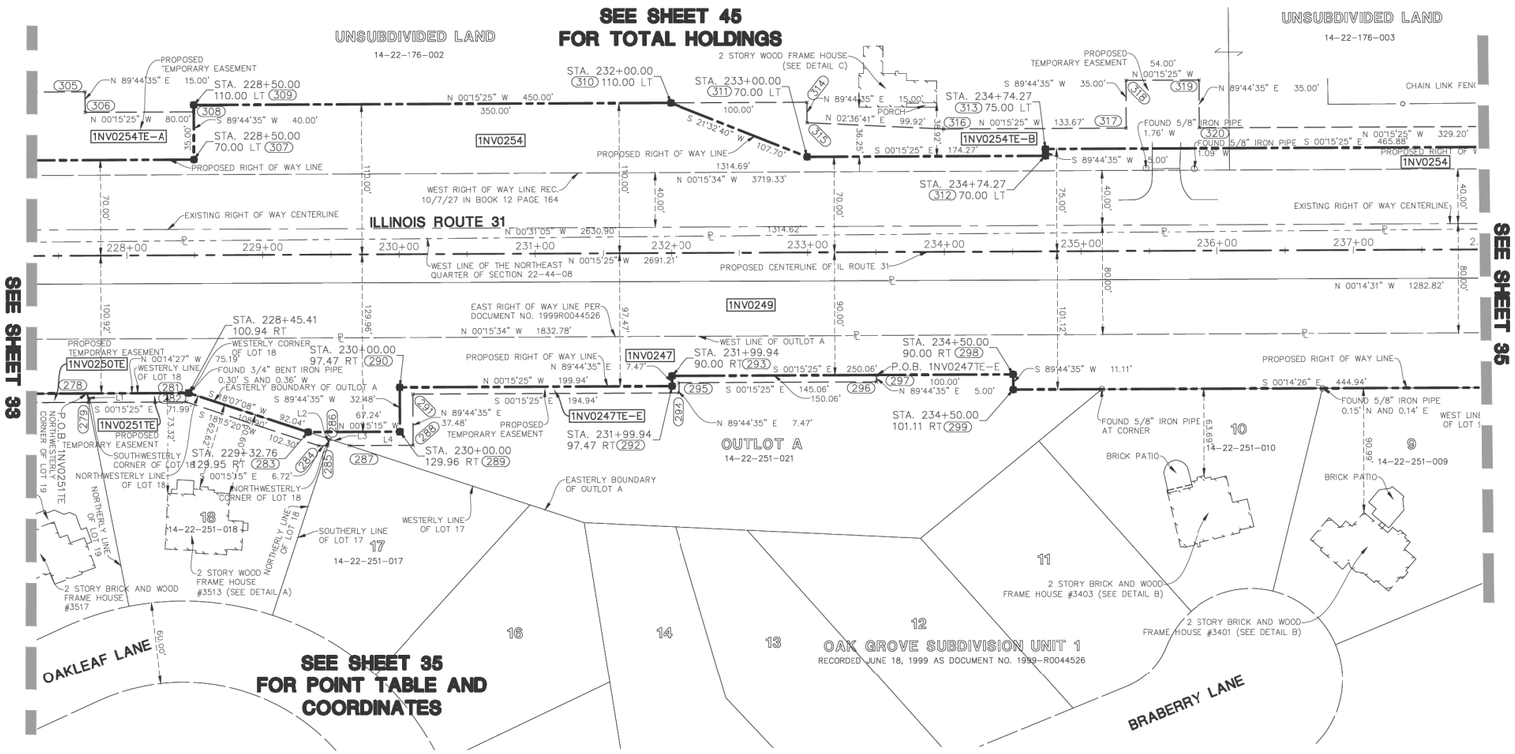
NOTES:

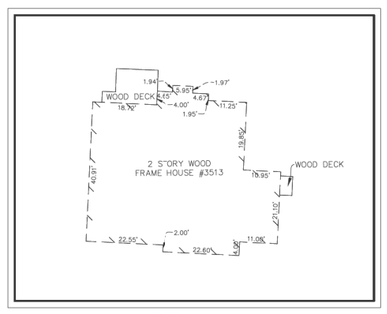
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0247	9.156	2.543	N/A	NORTH=1.071 SOUTH=5.542	N/A	14-22-401-014, 14-22-251-021, 14-22-401-005
1NV0247TE-A		N/A	N/A		0.024	
1NV0247TE-B		N/A	N/A		0.066	
1NV0247TE-C		N/A	N/A		0.022	
1NV0247TE-D		N/A	N/A		0.010	
1NV0247TE-E		N/A	N/A		0.062	
1NV0249	1.691	1.691	1.691	0.000	N/A	14-22-251-022
1NV0250TE	0.484	N/A	N/A	N/A	0.016	14-22-251-019
1NV0251TE	0.487	N/A	N/A	N/A	0.028	14-22-251-018
1NV0254	39.876	2.154	1.400	37.722	N/A	14-22-176-002, 14-22-176-003
1NV0254TE-A		N/A	N/A		0.230	
1NV0254TE-B		N/A	N/A		0.360	

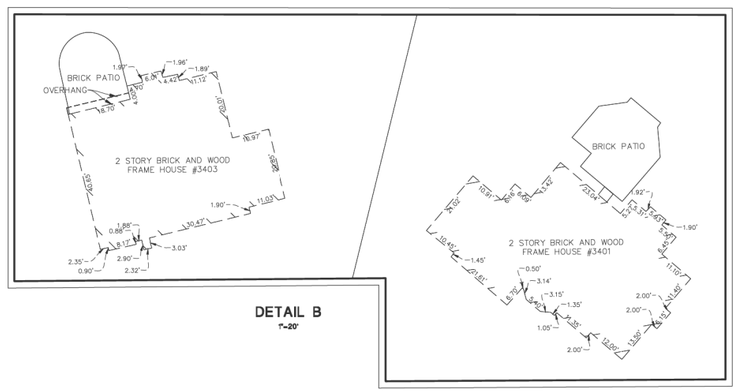
0 50' 100' 150'
1"= 50'

LINE TABLE		
LINE	BEARING	LENGTH
L1	S78°48'48"W	6.68'
L2	N71°52'42"W	4.94'
L3	S18°07'08"W	31.73'
L4	S00°15'15"E	47.13'

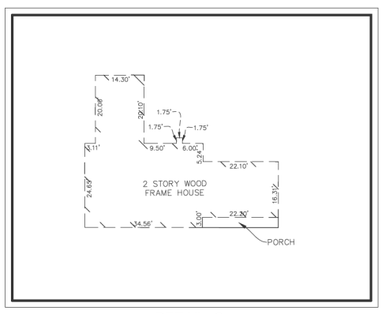




DETAIL A
1"=20'



DETAIL B
1"=20'



DETAIL C
1"=20'

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3: THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3: THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M: STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION

P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2022.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2022

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023
REVISED: 02/09/2022 PER IDOT COMMENTS–PGA
REVISED: 11/18/2021 PER IDOT COMMENTS–PGA
REVISED: 11/03/2021 PER IDOT COMMENTS–PGA
REVISED: 09/24/2021 PER IDOT COMMENTS–PGA
REVISED: 07/19/2021 PER IDOT COMMENTS–PGA
REVISED: 05/28/2021 PER IDOT COMMENTS–PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
REVISED: 12/14/2020 PER IDOT COMMENTS–PGA
REVISED: 10/28/2020 PER IDOT COMMENTS–PGA

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LINCOLNSHIRE, ILLINOIS

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 228+00 TO STA. 237+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' SHEET 34 OF 50 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–WO2 SB

MODEL: Default
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USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						835	499
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO.	
PLOT DATE = 10/3/2024	DATE -	REVISED -					ILLINOIS	FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

PART OF N 1/2 OF SECTION 22 TWP. 44N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
275	225+99.94	107.47 R	2043720.36	996960.55
276	226+61.61	107.47 R	2043782.03	996960.27
277	226+73.11	100.89 R	2043793.50	996953.64
278	227+70.22	100.92 R	2043890.60	996953.23
279	227+71.49	107.47 R	2043891.90	996959.78
281	228+45.41	100.94 R	2043965.79	996952.91
282	228+43.48	107.47 R	2043963.89	996959.46
283	229+32.76	129.95 R	2044053.27	996981.54
284	229+40.48	139.95 R	2044061.04	996991.50
285	229+47.20	139.95 R	2044067.76	996991.47
286	229+48.76	135.27 R	2044069.29	996986.78
287	229+62.87	139.96 R	2044083.42	996991.40
288	230+10.00	139.96 R	2044130.56	996991.19
289	230+00.00	129.96 R	2044120.51	996981.24
290	230+00.00	97.47 R	2044120.37	996948.75
291	230+10.00	102.47 R	2044130.39	996953.71
292	231+99.94	97.47 R	2044320.30	996947.86
293	231+99.94	90.00 R	2044320.27	996940.38
294	232+04.94	102.47 R	2044325.33	996952.84
295	232+04.94	95.00 R	2044325.29	996945.36
296	233+50.00	95.00 R	2044470.35	996944.71
297	233+50.00	90.00 R	2044470.33	996939.71
298	234+50.00	90.00 R	2044570.33	996939.26
299	234+50.00	101.11 R	2044570.38	996950.37

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Ecsting
301	238+94.94	101.24 R	2045015.31	996948.51
302	239+09.48	101.24 R	2045029.85	996948.44
303	238+94.94	165.00 R	2045015.60	997012.27
304	239+09.94	165.00 R	2045030.60	997012.20
305	227+70.00	120.00 L	2043889.39	996732.31
306	227+70.00	105.00 L	2043889.46	996747.31
307	228+50.00	70.00 L	2043969.62	996781.96
308	228+50.00	105.00 L	2043969.46	996746.96
309	228+50.00	110.00 L	2043969.44	996741.96
310	232+00.00	110.00 L	2044319.43	996740.39
311	233+00.00	70.00 L	2044419.61	996779.94
312	234+74.27	70.00 L	2044593.88	996779.16
313	234+74.27	75.00 L	2044593.86	996774.16
314	233+00.00	110.00 L	2044419.43	996739.94
315	233+00.00	95.00 L	2044419.50	996754.94
316	233+99.80	90.00 L	2044519.32	996759.49
317	235+33.46	90.00 L	2044652.98	996758.89
318	235+33.46	125.00 L	2044652.83	996723.89
319	235+87.46	125.00 L	2044706.83	996723.65
320	235+87.46	90.00 L	2044706.98	996758.65
322	239+40.16	75.00 L	2045059.74	996772.07
323	239+16.66	90.00 L	2045036.18	996757.17
324	239+16.66	135.01 L	2045035.98	996712.16
325	239+39.82	135.01 L	2045059.13	996712.06

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
326	239+88.04	135.01 L	2045107.36	996711.84
327	239+88.04	65.00 L	2045107.67	996781.85
328	241+48.20	65.00 L	2045267.83	996781.13
329	241+48.20	80.00 L	2045267.76	996766.13
330	242+40.22	65.00 L	2045359.84	996780.72
331	242+40.13	80.00 L	2045359.69	996765.72
333	242+40.08	90.00 L	2045359.59	996755.72
334	240+04.94	165.00 R	2045125.60	997011.77
335	240+04.94	70.00 R	2045125.17	996916.78
336	242+99.80	70.00 R	2045420.03	996915.45
337	242+99.80	75.00 R	2045420.05	996920.45
338	246+89.94	75.00 R	2045810.19	996918.70
339	246+89.94	85.00 R	2045810.23	996928.70
342	244+40.08	90.00 L	2045559.59	996754.83
343	245+40.08	90.00 L	2045659.59	996754.38
344	246+40.08	90.00 L	2045759.59	996753.93
372	246+89.94	95.00 R	2045810.28	996938.70
459	239+75.94	165.00 R	2045096.60	997011.90
460	239+40.21	65.00 L	2045059.84	996782.07

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0249	1.691	1.691	1.691	0.000	N/A	14-22-251-022
1NV0253	0.836	0.022	N/A	0.814	N/A	14-22-251-009
1NV0254	39.876	2.154	1.400	37.722	N/A	14-22-176-002, 14-22-176-003
1NV0254TE-A		N/A	N/A		0.230	
1NV0254TE-B		N/A	N/A		0.360	
1NV0255	3.027	0.336	0.294	2.691	N/A	14-22-126-023
1NV0255TE-A		N/A	N/A		0.077	
1NV0255TE-B		N/A	N/A		0.032	
1NV0256	2.018	0.333	0.191	1.685	N/A	14-22-126-014
1NV0257	1.009	0.165	0.094	0.844	N/A	14-22-126-022
1NV0258	1.009	0.164	0.093	0.845	N/A	14-22-126-021
1NV0263	36.967	1.039	0	35.928	N/A	14-22-200-015
1NV0263TE		N/A	N/A		0.048	

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE

EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- LIGHT STANDARD
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION

P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, IL, INOIS THIS _____ DAY OF _____, A.D., 2022.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2022

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

REVISED: 11/01/2023 PER IDOT COMMENTS–PGA
REVISED: 05/05/2023 PER IDOT COMMENTS–PGA
REVISED: 02/09/2022 PER IDOT COMMENTS–PGA
REVISED: 11/18/2021 PER IDOT COMMENTS–PGA
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REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
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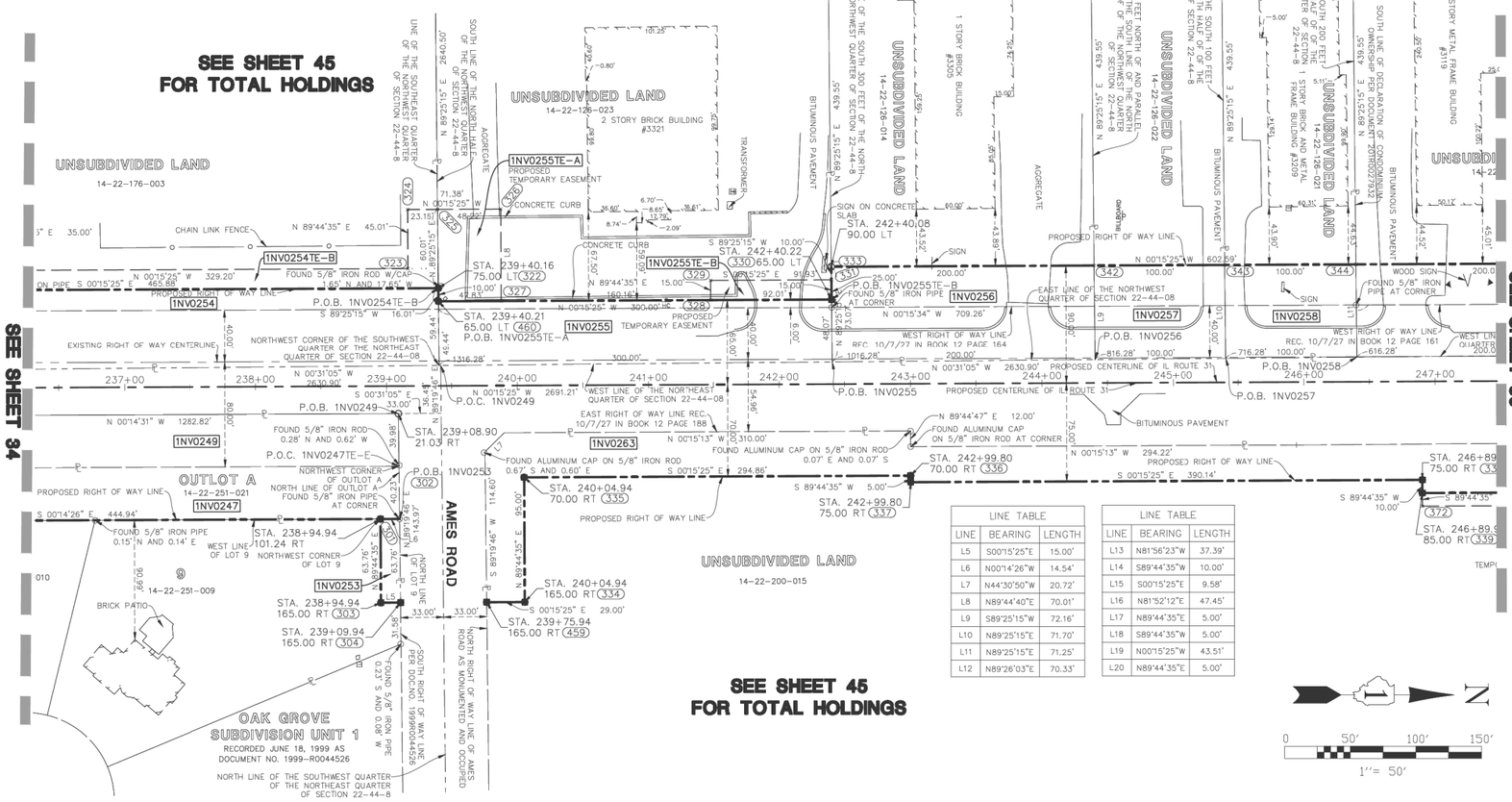
REVISED: 10/28/2020 PER IDOT COMMENTS–PGA

JAMES D. BAKER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648 LINCOLNSHIRE, ILLINOIS



LINE TABLE		
LINE	BEARING	LENGTH
L5	S00°15'25"E	15.00'
L6	N00°14'26"W	14.54'
L7	N44°30'50"W	20.72'
L8	N89°44'40"E	70.01'
L9	S89°25'15"W	72.16'
L10	N89°25'15"E	71.70'
L11	N89°25'15"E	71.25'
L12	N89°26'03"E	70.33'

LINE TABLE		
LINE	BEARING	LENGTH
L13	N81°56'23"W	37.39'
L14	S89°44'35"W	10.00'
L15	S00°15'25"E	9.58'
L16	N81°52'12"E	47.45'
L17	N89°44'35"E	5.00'
L18	S89°44'35"W	5.00'
L19	N00°15'25"W	43.51'
L20	N89°44'35"E	5.00'

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resources Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 7:58 am, Nov 02, 2023

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 237+00 TO STA. 246+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' SHEET 35 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–W02 SB

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USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

SCALE: SHEET OF SHEETS STA. TO STA.

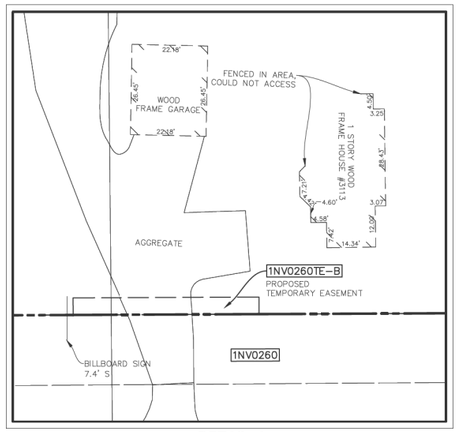
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	500
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

PART OF S 1/2 OF SECTION 15 AND N 1/2 OF SECTION 22 TWP. 44N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0259	2.019	0.325	0.183	1.694	N/A	14-22-127-(001-005)
1NV0260	4.200	0.649	0.426	3.551	N/A	14-22-126-011, 14-22-126-010, 14-22-126-008, 14-22-126-009
1NV0260TE-A		N/A	N/A		0.044	
1NV0260TE-B		N/A	N/A		0.006 (273 SQ. FT.)	
1NV0260TE-C		N/A	N/A		0.007 (306 SQ. FT.)	
1NV0260TE-D		N/A	N/A		0.011	
1NV0263	36.967	1.039	0	35.928	N/A	14-22-200-015
1NV0263TE		N/A	N/A		0.048	
1NV0265	120.217	6.382	2.782	113.835	N/A	14-15-300-003
1NV0270	40.130	4.150	1.387	35.980	N/A	14-15-100-003
1NV0270TE-A		N/A	N/A		0.005 (221 SQ. FT.)	
1NV0270TE-B		N/A	N/A		0.017	
1NV0271	75.366	4.396	2.252	70.970	N/A	14-15-400-006, 14-15-400-007
1NV0271TE		N/A	N/A		0.029	

LINE TABLE		
LINE	BEARING	LENGTH
L5	S00°15'25"E	15.00'
L6	N00°14'26"W	14.54'
L7	N44°30'50"W	20.72'
L8	N89°44'40"E	70.01'
L9	S89°25'15"W	72.16'
L10	N89°25'15"E	71.70'
L11	N89°25'15"E	71.25'
L12	N89°26'03"E	70.33'

LINE TABLE		
LINE	BEARING	LENGTH
L13	N81°56'23"W	37.39'
L14	S89°44'35"W	10.00'
L15	S00°15'25"E	9.58'
L16	N81°52'12"E	47.45'
L17	N89°44'35"E	5.00'
L18	S89°44'35"W	5.00'
L19	N00°15'25"W	43.51'
L20	N89°44'35"E	5.00'



DETAIL A
1"=20'

1"= 50'

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

- ● IRON ROD SET
- ○ IRON PIPE OR ROD FOUND
- ✚ CUT CROSS FOUND OR SET
- ○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ◇ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- ∤ PK NAIL SET
- ○ REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2025

JAMES D. BAKER — ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648 — LINCOLNSHIRE, ILLINOIS

REVISED:11/01/2023 PER IDOT COMMENTS–PGA
REVISED:09/11/2023 PER IDOT COMMENTS–PGA
REVISED:05/11/2023 PER IDOT COMMENTS–PGA
REVISED:05/05/2023 PER IDOT COMMENTS–PGA
REVISED:02/09/2022 PER IDOT COMMENTS–PGA
REVISED:11/18/2021 PER IDOT COMMENTS–PGA
REVISED:11/03/2021 PER IDOT COMMENTS–PGA
REVISED:09/24/2021 PER IDOT COMMENTS–PGA
REVISED:07/19/2021 PER IDOT COMMENTS–PGA
REVISED:05/28/2021 PER IDOT COMMENTS–PGA
REVISED:02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
REVISED:12/14/2020 PER IDOT COMMENTS–PGA
REVISED:10/28/2020 PER IDOT COMMENTS–PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

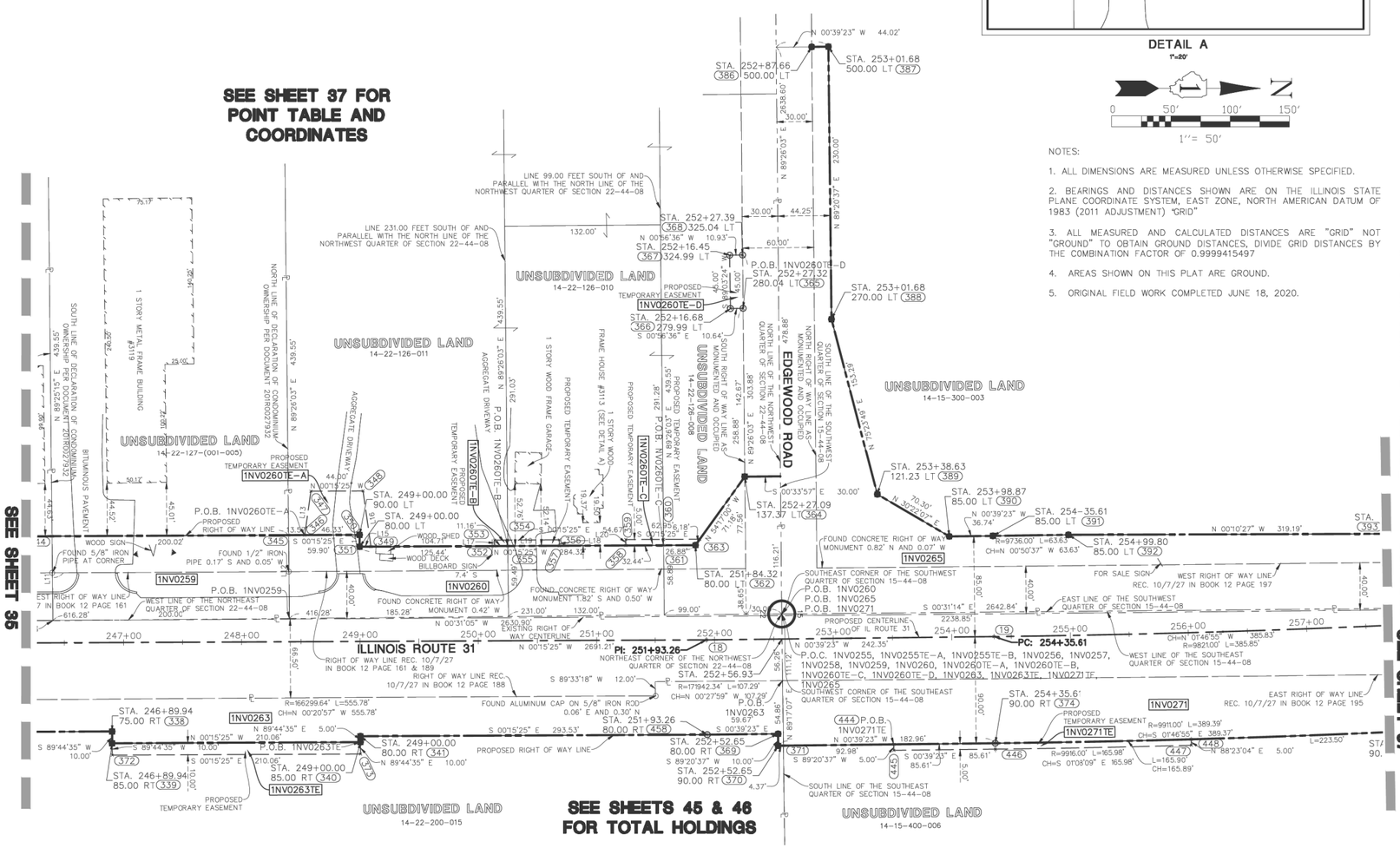
LIMITS:IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.:R-91-013-07
STA. 247+00 TO STA. 257+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' SHEET 36 OF 50 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 7:58 am, Nov 02, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–W02 SB



USER NAME = bwitort	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/3/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	501
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
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PART OF S 1/2 OF SECTION 15 TWP. 44N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

Point #	Station	Offset	Northing	Easting
18	251+93.26	0.00	2046313.16	996841.45
19	254+35.61	0.00	2046555.50	996838.67
20	258+21.47	0.00	2046941.14	996826.67
338	246+89.94	75.00 R	2045810.19	996918.70
339	246+89.94	85.00 R	2045810.23	996928.70
340	249+00.00	85.00 R	2046020.29	996927.76
341	249+00.00	80.00 R	2046020.27	996922.76
345	248+40.10	90.00 L	2045959.61	996753.03
346	248+53.67	90.00 L	2045973.18	996752.97
347	249+59.08	127.00 L	2045978.42	996715.95
348	249+03.08	127.00 L	2046022.42	996715.75
349	249+09.58	80.00 L	2046029.13	996762.72
350	249+00.00	90.00 L	2046019.51	996752.76
351	249+00.00	80.00 L	2046019.55	996762.76
352	250+14.28	80.00 L	2046133.83	996762.25

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

Point #	Station	Offset	Northing	Easting
353	250+14.28	85.00 L	2046133.81	996757.25
354	250+25.41	85.00 L	2046144.94	996757.20
355	250+25.44	80.00 L	2046144.99	996762.20
356	250+68.95	85.00 L	2046188.48	996757.01
357	250+68.95	80.00 L	2046188.50	996762.01
358	251+25.00	80.00 L	2046244.55	996761.76
359	251+25.00	85.00 L	2046244.53	996756.76
360	251+57.41	85.00 L	2046276.94	996756.61
361	251+57.44	80.00 L	2046276.99	996761.61
362	251+84.32	80.00 L	2046303.87	996761.49
363	251+87.95	85.00 L	2046307.47	996756.47
364	252+27.09	137.37 L	2046345.42	996703.70
365	252+27.32	280.04 L	2046344.01	996561.03
366	252+16.68	279.99 L	2046333.38	996561.21
367	252+16.45	324.99 L	2046332.64	996516.21

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

Point #	Station	Offset	Northing	Easting
368	252+27.39	325.04 L	2046343.57	996516.03
369	252+52.65	80.00 R	2046373.47	996920.76
370	252+52.65	90.00 R	2046373.58	996930.76
371	252+57.02	90.00 R	2046377.95	996930.71
372	246+89.94	95.00 R	2045810.28	996938.70
373	249+00.00	95.00 R	2046020.34	996937.76
374	254+35.61	90.00 R	2046556.53	996928.67
375	258+21.47	90.00 R	2046945.71	996916.56
376	258+21.47	85.00 R	2046945.46	996911.56
377	260+99.93	85.00 R	2047223.57	996897.44
378	260+99.93	80.00 R	2047223.31	996892.45
386	252+87.66	500.00 L	2046401.84	996340.40
387	253+01.68	500.00 L	2046415.86	996340.24
388	253+01.68	270.00 L	2046418.49	996570.22
389	253+38.63	121.23 L	2046457.14	996718.56

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

Point #	Station	Offset	Northing	Easting
390	253+98.87	85.00 L	2046517.79	996754.10
391	254+35.44	84.84 L	2046554.36	996753.84
392	254+99.80	85.00 L	2046618.15	996752.74
393	258+21.47	75.00 L	2046937.34	996751.77
394	265+00.00	75.00 L	2047615.00	996717.35
395	265+00.00	90.00 L	2047614.24	996702.37
444	253+50.00	90.00 R	2046470.93	996929.65
445	253+50.00	95.00 R	2046470.98	996934.65
446	254+35.61	95.00 R	2046556.59	996933.67
447	256+00.00	95.00 R	2046722.53	996930.38
448	256+00.00	90.00 R	2046722.39	996925.38
458	251+93.26	80.00 R	2046313.80	996921.45

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

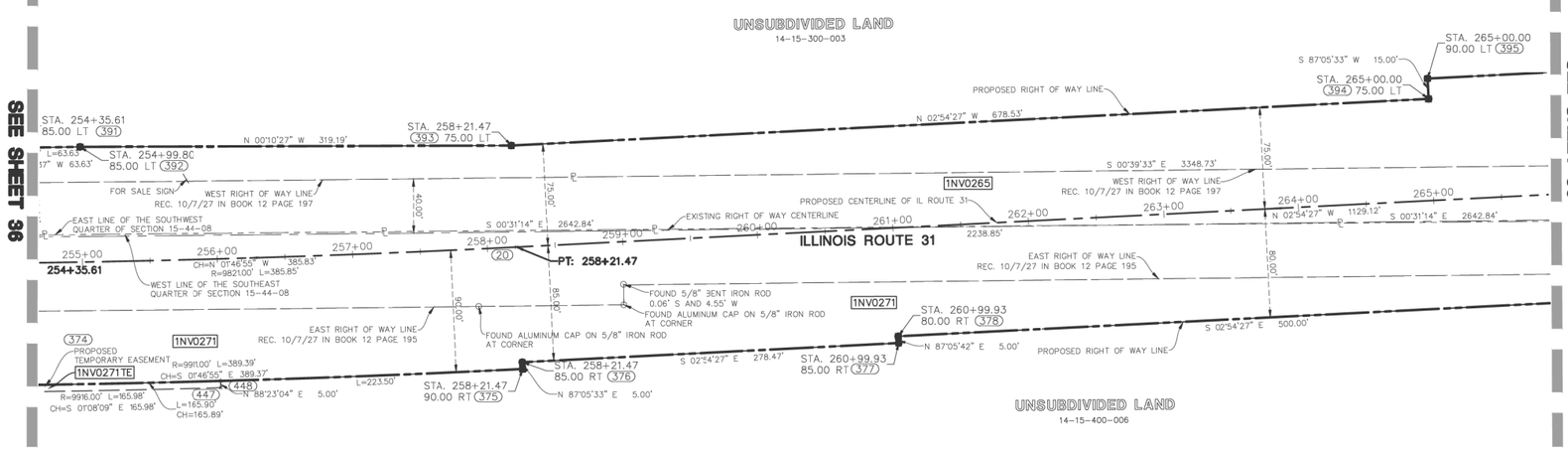
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0263	36.967	1.039	0	35.928	N/A	14-22-200-015
1NV0263TE		N/A	N/A		0.048	
1NV0265	120.217	6.382	2.782	113.835	N/A	14-15-300-003
1NV0270	40.130	4.150	1.387	35.980	N/A	14-15-100-003
1NV0270TE-A		N/A	N/A		0.005 (221 SQ. FT.)	
1NV0270TE-B		N/A	N/A		0.017	
1NV0271	75.366	4.396	2.252	70.970	N/A	14-15-400-006, 14-15-400-007
1NV0271TE		N/A	N/A		0.029	

0 50′ 100′ 150′
1″= 50′

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

SEE SHEET 45
FOR TOTAL HOLDINGS



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3: THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3: THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M: STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2025

JAMES D. BAKER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648 LINCOLNSHIRE, ILLINOIS

REVISED: 05/11/2023 PER IDOT COMMENTS–PGA
REVISED: 05/05/2023 PER IDOT COMMENTS–PGA
REVISED: 02/09/2022 PER IDOT COMMENTS–PGA
REVISED: 11/18/2021 PER IDOT COMMENTS–PGA
REVISED: 11/03/2021 PER IDOT COMMENTS–PGA
REVISED: 09/24/2021 PER IDOT COMMENTS–PGA
REVISED: 07/19/2021 PER IDOT COMMENTS–PGA
REVISED: 05/28/2021 PER IDOT COMMENTS–PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
REVISED: 12/14/2020 PER IDOT COMMENTS–PGA
REVISED: 10/28/2020 PER IDOT COMMENTS–PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

APPROVED
By Miguel.Correano at 8:49 am, Jun 07, 2023

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 255+00 TO STA. 265+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' SHEET 37 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–W02 SB

USER NAME = bwitort	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	502
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: pw:\\quait-kcc-pw.bentley.com:quait-kcc-pw-01\Documents\IDOT\22127.019\12 Design\12.3 CADD\SHEETS\C1-SHT-HGW-SOUTH-37.dgn

PART OF S 1/2 OF SECTION 15 TWP. 44N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
21	269+50.58	0.00	2048068.81	996769.40
22	272+59.78	0.00	2048377.83	996759.79
379	265+99.93	80.00 R	2047722.67	996867.08
380	265+99.93	85.00 R	2047722.92	996872.08
381	269+50.58	85.00 R	2048073.12	996854.29
382	270+50.00	85.00 R	2048171.37	996849.92
383	270+50.00	165.00 R	2048174.41	996929.87
384	272+59.78	165.00 R	2048379.72	996924.78
385	273+75.00	165.00 R	2048494.94	996923.46
394	265+00.00	75.00 L	2047615.00	996717.35
395	265+00.00	90.00 L	2047614.24	996702.37
396	269+50.58	90.00 L	2048064.24	996679.52
397	272+59.78	90.00 L	2048376.80	996669.79
398	273+65.18	90.00 L	2048482.19	996668.59
399	273+65.18	70.00 L	2048482.42	996688.58
400	273+75.00	79.18 R	2048493.96	996837.64

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0265	120.217	6.382	2.782	113.835	N/A	14-15-300-003
1NV0271	75.366	4.396	2.252	70.970	N/A	14-15-400-006, 14-15-400-007
1NV0271TE		N/A	N/A		0.029	

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

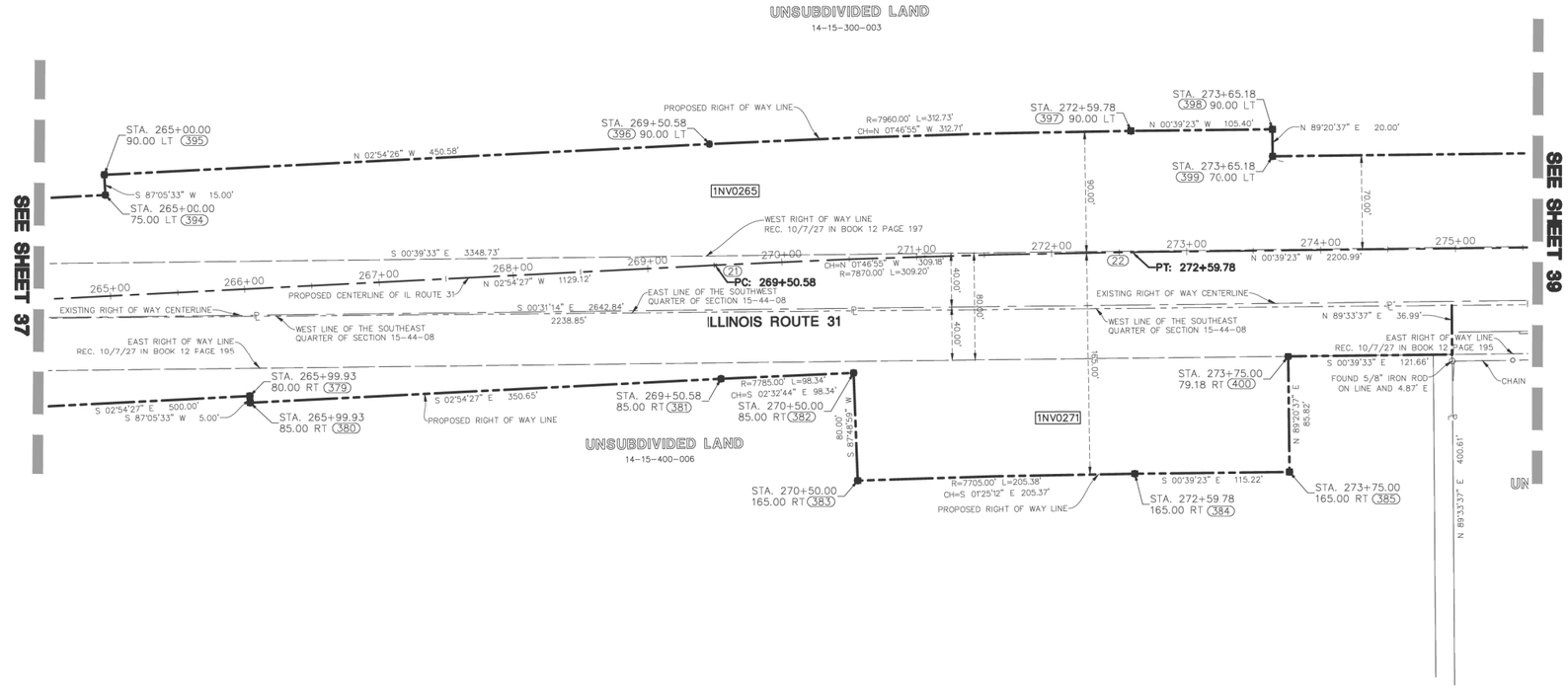
9 10 16 15 SECTION CORNER

16 15 QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

SEE SHEET 46 FOR TOTAL HOLDINGS

0 50' 100' 150'
1"= 50'



● IRON ROD SET
○ IRON PIPE OR ROD FOUND
✚ CUT CROSS FOUND OR SET
○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
○ BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.
LIGHT STANDARD
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT

ϟ PK NAIL SET
○ REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2022.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2025

JAMES D. BAKER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648 LINCOLNSHIRE, ILLINOIS

REVISED: 05/11/2023 PER IDOT COMMENTS–PGA
REVISED: 05/05/2023 PER IDOT COMMENTS–PGA
REVISED: 02/09/2022 PER IDOT COMMENTS–PGA
REVISED: 11/18/2021 PER IDOT COMMENTS–PGA
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REVISED: 05/28/2021 PER IDOT COMMENTS–PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
REVISED: 12/14/2020 PER IDOT COMMENTS–PGA
REVISED: 10/28/2020 PER IDOT COMMENTS–PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 31

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2023

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 265+00 TO STA. 275+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' SHEET 38 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–W02 SB

MODEL: Default
FILE NAME: pw:\\bwitort.kcc-pw.bentley.com:port-kcc-pw-07\Documents\IDOT\22177.01\12 Design\12-3 CADD\SHEETS\C1-SHT-ROW-SOUTH-38.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						835	503
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO.	
PLOT DATE = 10/3/2024	DATE -	REVISED -					ILLINOIS	FED. AID PROJECT	
				SCALE:	SHEET OF SHEETS	STA. TO STA.			

PART OF SECTION 15 TWP. 44N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
401	279+00.90	70.00 L	2049018.12	996682.45
402	279+33.69	117.75 R	2049053.05	996869.81
403	279+40.15	117.75 R	2049059.51	996869.73
404	279+40.15	90.00 R	2049059.19	996841.99
405	283+25.00	90.00 R	2049444.02	996837.58
406	283+25.00	185.00 R	2049445.11	996932.57
407	280+50.00	70.00 L	2049167.20	996680.74
408	280+50.00	90.00 L	2049166.97	996660.74
409	285+55.00	185.00 R	2049675.09	996929.94
410	285+55.00	95.00 R	2049674.06	996839.94
449	279+43.42	70.00 L	2049060.63	996681.96
450	279+43.43	75.00 L	2049060.59	996676.96
451	279+87.61	75.00 L	2049104.75	996676.45
452	279+87.61	70.00 L	2049104.81	996681.45
453	281+50.00	90.00 L	2049266.97	996659.59
454	281+50.00	95.00 L	2049266.91	996654.59
455	283+00.00	95.00 L	2049416.90	996652.88
456	283+00.00	90.00 L	2049416.96	996657.88

N

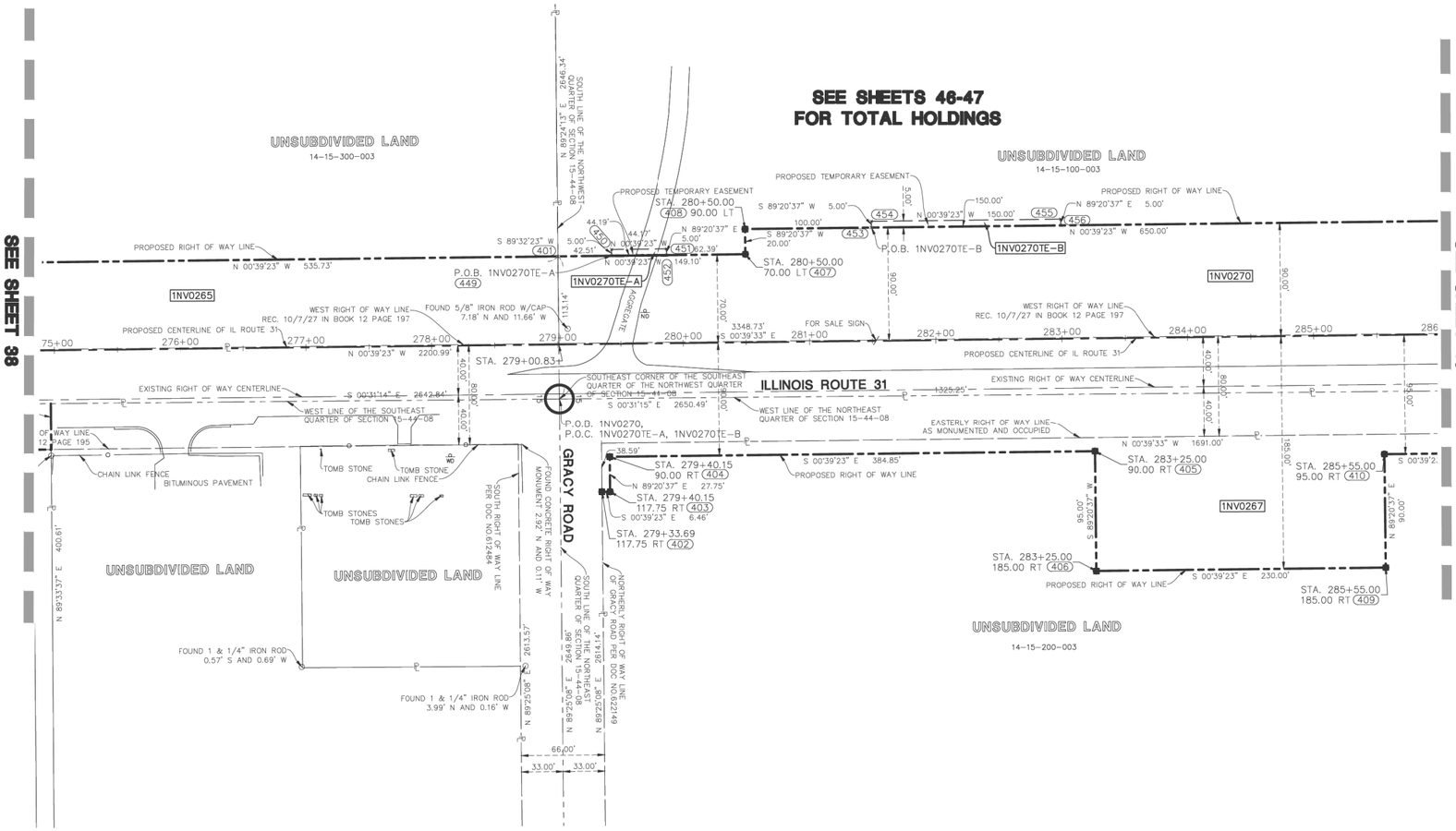
0 50′ 100′ 150′

1″= 50′

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0265	120.217	6.382	2.782	113.835	N/A	14-15-300-003
1NV0267	156.673	2.562	N/A	154.111	N/A	14-15-200-003
1NV0267TE		N/A	N/A		0.192	
1NV0270	40.130	4.150	1.387	35.980	N/A	14-15-100-003
1NV0270TE-A		N/A	N/A		0.005 (221 SQ. FT.)	
1NV0270TE-B		N/A	N/A		0.017	

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.



SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32′ MEASURED DIMENSION
129.32′(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

- ● IRON ROD SET
- ○ IRON PIPE OR ROD FOUND
- ✚ CUT CROSS FOUND OR SET
- ○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ⊹ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- ┃ PK NAIL SET
- ○ REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

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DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2025

JAMES D. BAKER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648 LINCOLNSHIRE, ILLINOIS

REVISED: 05/26/2023 PER IDOT COMMENTS–PGA
REVISED: 05/11/2023 PER IDOT COMMENTS–PGA
REVISED: 04/28/2023 PER IDOT COMMENTS–PGA
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REVISED: 12/14/2020 PER IDOT COMMENTS–PGA
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Manhard CONSULTING LTD
Shorewood Park, Suite 360 | Naperville, IL 60563 ph 847.584.0220 fax 847.584.0285 manhard.com
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 175+00 TO STA. 285+50 ILLINOIS ROUTE 31
SCALE: 1" = 50′ SHEET 39 OF 50 SHEETS

APPROVED
By Miguel.Corneano at 8:48 am, Jun 07, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–WO2 SB

USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	504
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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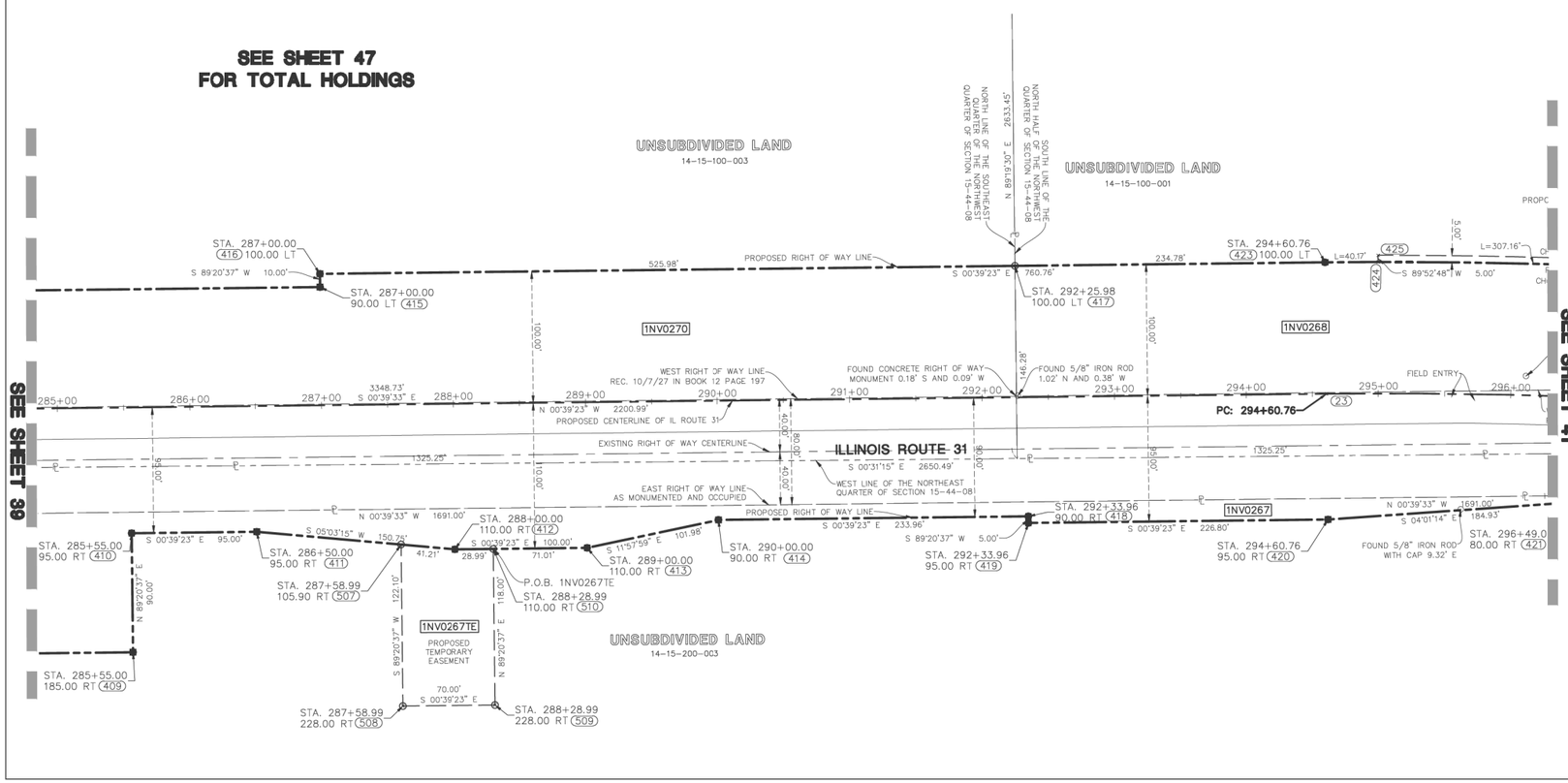
PART OF N 1/2 OF SECTION 15 TWP. 44N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

PROJECT COORDINATES Illinois State Plare, East Zone, NAD 83 (2011)				
Point #	Station	Offset	Northing	Easting
23	294+60.76	0.00	2050578.67	996734.57
411	286+50.00	95.00 R	2049769.05	996838.85
412	288+00.00	110.00 R	2049919.21	996852.13
413	289+00.00	110.00 R	2050019.21	996850.99
414	290+00.00	90.00 R	2050118.97	996829.84
415	287+00.00	90.00 L	2049816.93	996653.29
416	287+00.00	100.00 L	2049816.82	996643.29
417	292+25.98	100.00 L	2050342.76	996637.27
418	292+33.96	90.00 R	2050352.92	996827.16
419	292+33.96	95.00 R	2050352.98	996832.16
420	294+60.76	95.00 R	2050579.76	996829.56
423	294+60.76	100.00 L	2050577.53	996634.58
424	295+00.00	100.00 L	2050617.70	996634.30
425	295+00.00	105.00 L	2050617.69	996629.30
507	287+58.99	105.90 R	2049878.16	996848.50
508	287+58.99	228.00 R	2049879.56	996970.60
509	288+28.99	228.00 R	2049949.56	996969.79
510	288+28.99	110.00 R	2049948.20	996851.80

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0267	156.673	2.562	N/A	154.111	N/A	14-15-200-003
1NV0267TE		N/A	N/A		0.192	
1NV0268	79.812	2.962	1.254	76.850	N/A	14-15-100-001
1NV0268TE-A		N/A	N/A		0.035	
1NV0268TE-B		N/A	N/A		0.011	
1NV0270	40.130	4.150	1.387	35.980	N/A	14-15-100-003
1NV0270TE-A		N/A	N/A		0.005 (221 SQ. FT.)	
1NV0270TE-B		N/A	N/A		0.017	

SEE SHEET 47 FOR TOTAL HOLDINGS



0 50′ 100′ 150′

1″= 50′

NOTES:

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4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

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P.O.B. = POINT OF BEGINNING
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STATE OF ILLINOIS)
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COUNTY OF LAKE)

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DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

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JAMES D. BAKER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648 LINCOLNSHIRE, ILLINOIS

REVISED: 05/26/2023 PER IDOT COMMENTS–PGA
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REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
REVISED: 12/14/2020 PER IDOT COMMENTS–PGA
REVISED: 10/28/2020 PER IDOT COMMENTS–PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resources Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 285+50 TO STA. 296+00 ILLINOIS ROUTE 31
SCALE: 1" = 50' SHEET 40 OF 50 SHEETS

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–WO2 SB

MODEL: Default
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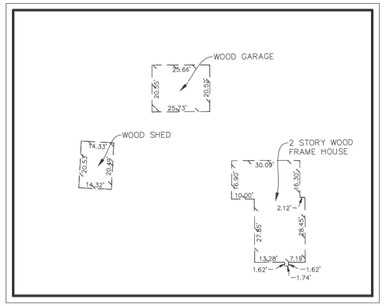
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	505
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF N 1/2 OF SECTION 15 TWP. 44N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS



DETAIL A
1"=30'

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

Point #	Station	Offset	Northing	Easting
421	296+49.03	80.00 R	2050764.23	996816.60
422	298+50.00	80.00 R	2050961.03	996827.92
426	298+00.00	105.00 L	2050924.97	996639.67
427	298+00.00	100.00 L	2050924.62	996644.65
428	298+00.00	60.00 L	2050921.84	996684.56
429	299+42.52	60.05 L	2051065.87	996696.99
430	299+42.51	65.00 L	2051066.37	996692.07
431	300+34.51	60.00 L	2051158.55	996707.71
432	300+34.47	65.00 L	2051159.13	996702.74
433	300+34.51	75.00 L	2051160.42	996692.82
434	303+15.39	75.00 L	2051442.68	996738.08
435	305+87.79	90.00 R	2051670.90	996959.50
439	305+76.40	48.32 R	2051670.62	996916.34
440	304+59.26	107.63 L	2051593.25	996736.77
441	304+59.26	130.00 L	2051598.28	996714.97
442	305+00.03	130.00 L	2051639.19	996724.63
443	305+00.03	117.89 L	2051636.35	996736.39

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1NV0266	0.156	0.156	0.156	0.00	N/A	14-15-200-002
1NV0267	156.673	2.562	N/A	154.111	N/A	14-15-200-003
1NV0267TE		N/A	N/A		0.192	
1NV0268	79.812	2.962	1.254	76.850	N/A	14-15-100-001
1NV0268TE-A		N/A	N/A		0.035	
1NV0268TE-B		N/A	N/A		0.011	

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

0 50' 100' 150'
1"= 50'

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

● IRON ROD SET
○ IRON PIPE OR ROD FOUND
✚ CUT CROSS FOUND OR SET
○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
○ BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M STAKING OR FROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.
◇ LIGHT STANDARD
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
PK NAIL SET
REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR
NO. 3648
LINCOLNSHIRE, ILLINOIS

REVISED: 05/26/2023 PER IDOT COMMENTS—PGA
REVISED: 04/28/2023 PER IDOT COMMENTS—PGA
REVISED: 02/27/2023 PER IDOT COMMENTS—PGA
REVISED: 01/24/2023 PER IDOT COMMENTS—PGA
REVISED: 01/04/2023 PER IDOT COMMENTS—PGA
REVISED: 02/09/2022 PER IDOT COMMENTS—PGA
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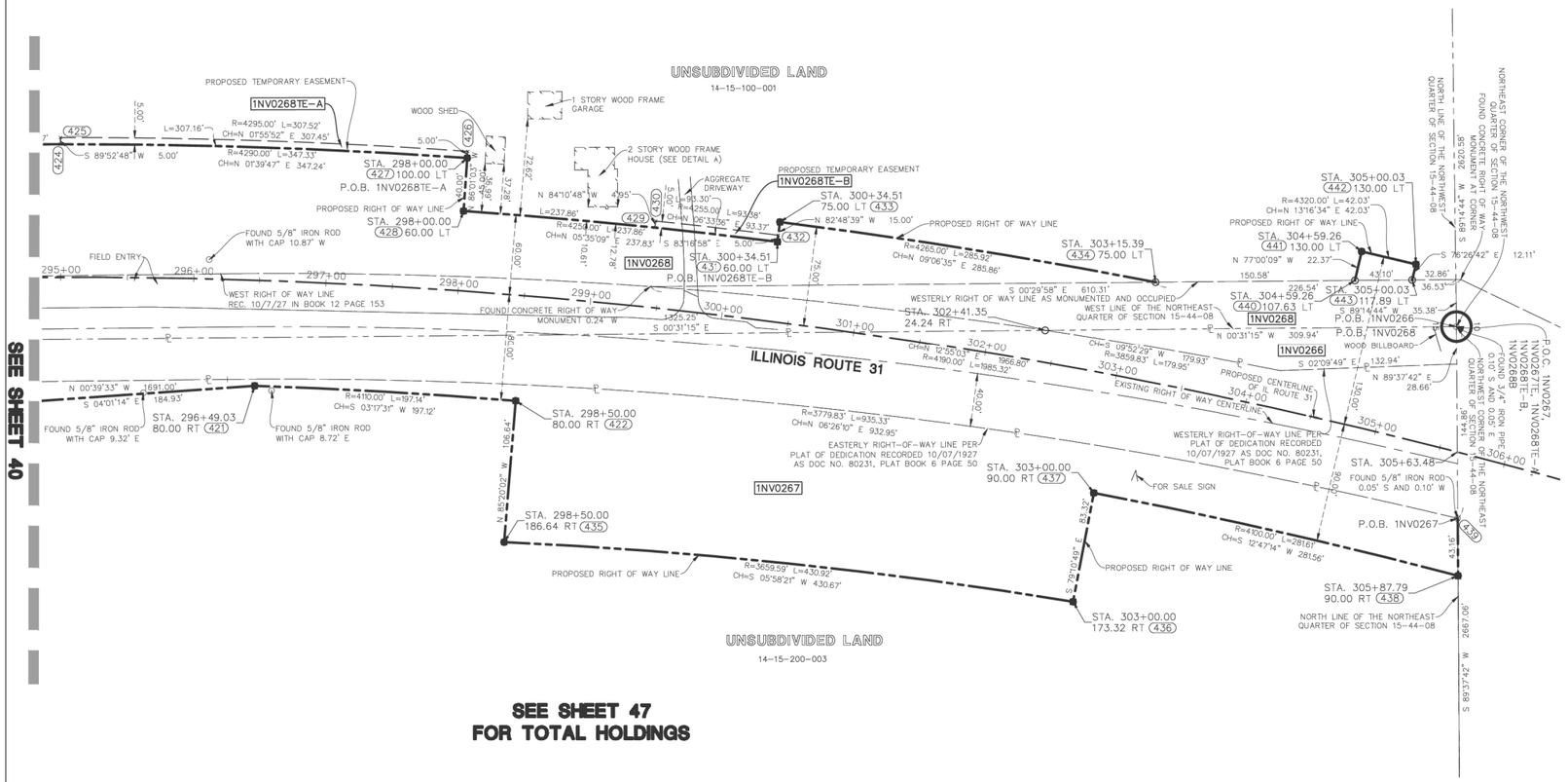
REVISED: 07/19/2021 PER IDOT COMMENTS—PGA
REVISED: 05/28/2021 PER IDOT COMMENTS—PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS—PGA
REVISED: 12/14/2020 PER IDOT COMMENTS—PGA
REVISED: 10/28/2020 PER IDOT COMMENTS—PGA



Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 295+50 TO STA. 305+50 ILLINOIS ROUTE 31
SCALE: 1" = 50' SHEET 41 OF 50 SHEETS

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2023

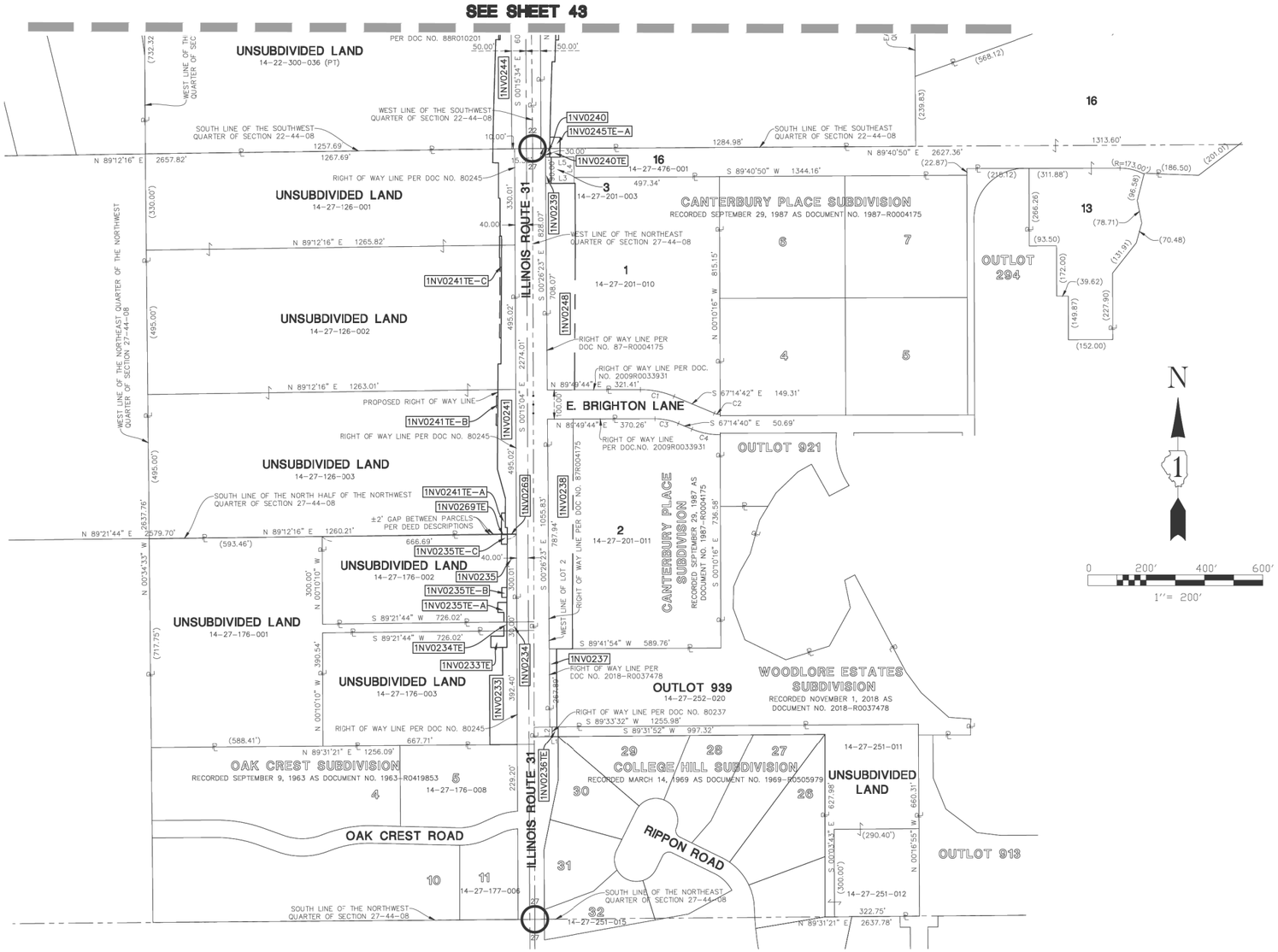
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19-W02 SB

MODEL: Default
FILE NAME: pw:\\pathfinder-pw.bentley.com:pathfinder-pw-07\Documents\IDOT\22177.01\12_Design\12.3_CADD\SHEETS\C1-SHT-ROW-SOUTH-41.dgn

USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION					835 / 506
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO.
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE: / SHEET OF SHEETS / STA. TO STA.			ILLINOIS	FED. AID PROJECT

PART OF N 1/2 OF SECTION 27 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS



NOTES:

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4. AREAS SHOWN ON THIS PLAT ARE GROUND.

5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

LINE TABLE		
LINE	BEARING	LENGTH
L1	S89°31'52"W	20.00'
L2	S00°15'04"E	33.00'
L3	N89°40'50"E	100.30'
L4	N00°26'23"W	90.00'
L5	S89°40'50"W	100.30'
L6	N89°44'26"E	10.00'
L7	N89°44'26"E	10.00'
L8	S89°31'25"W	80.00'
L9	S00°15'34"E	70.00'
L10	N89°31'25"E	80.00'

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	295.00'	118.04'	N78°42'29"W	117.25'
C2	51.70'	20.63'	S78°40'31"E	20.49'
C3	205.00'	82.03'	N78°42'28"W	81.48'
C4	248.30'	99.28'	S78°41'56"E	98.62'

● IRON ROD SET
○ IRON PIPE OR ROD FOUND
✚ CUT CROSS FOUND OR SET
○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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P.O.B. = POINT OF BEGINNING
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PK NAIL SET
REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2025

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LINCOLNSHIRE, ILLINOIS

REVISED: 05/05/2023 PER IDOT COMMENTS-PGA
REVISED: 04/28/2023 PER IDOT COMMENTS-PGA
REVISED: 02/09/2022 PER IDOT COMMENTS-PGA
REVISED: 11/18/2021 PER IDOT COMMENTS-PGA
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REVISED: 12/14/2020 PER IDOT COMMENTS-PGA
REVISED: 10/28/2020 PER IDOT COMMENTS-PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 80+00 TO STA. 207+00 ILLINOIS ROUTE 31
SCALE: 1" = 200' SHEET 42 OF 50 SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Corneano at 8:48 am, Jun 07, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19-WO2 SB

MODEL: Default
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USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						835	507
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO.		
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

PART OF S 1/2 OF SECTION 22 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS

LINE TABLE		
LINE	BEARING	LENGTH
L1	S89°31'52"W	20.00'
L2	S00°15'04"E	33.00'
L3	N89°40'50"E	100.00'
L4	N00°26'23"W	90.00'
L5	S89°40'50"W	100.00'
L6	N89°44'26"E	10.00'
L7	N89°44'26"E	10.00'
L8	S89°31'25"W	80.00'
L9	S00°15'34"E	70.00'
L10	N89°31'25"E	80.00'

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD
C5	60.00'	59.10'	N62°02'13"W	56.74'
C6	60.00'	59.11'	S61°31'13"W	56.75'
C7	539.01'	235.29'	S77°45'07"E	233.43'
C8	472.65'	206.47'	S77°45'21"E	204.83'
C9	395.56'	36.93'	N67°56'02"W	36.92'
C10	70.00'	40.28'	S14°53'56"W	39.73'
C11	180.00'	71.84'	S77°19'13"E	71.36'

NOTES:

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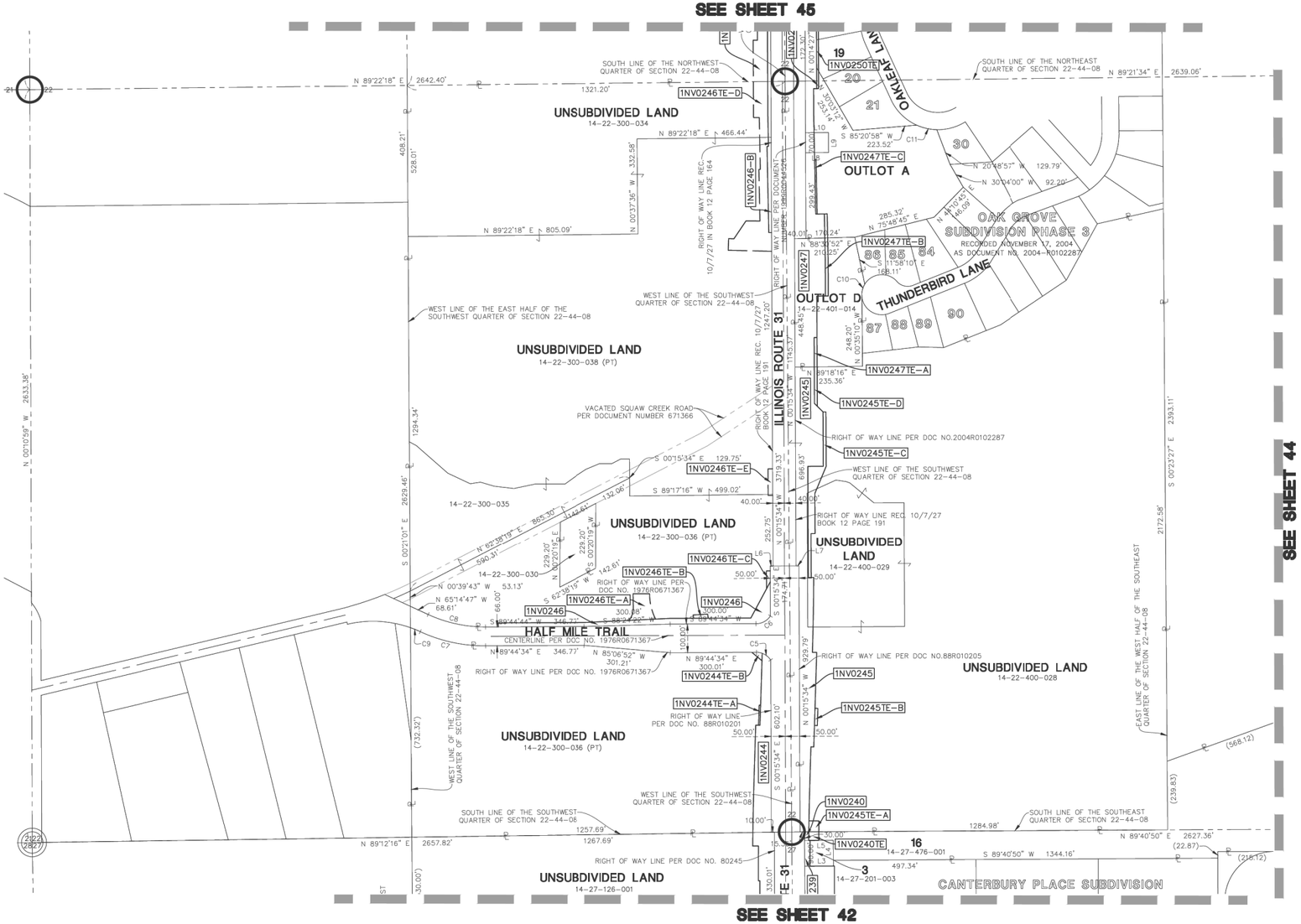
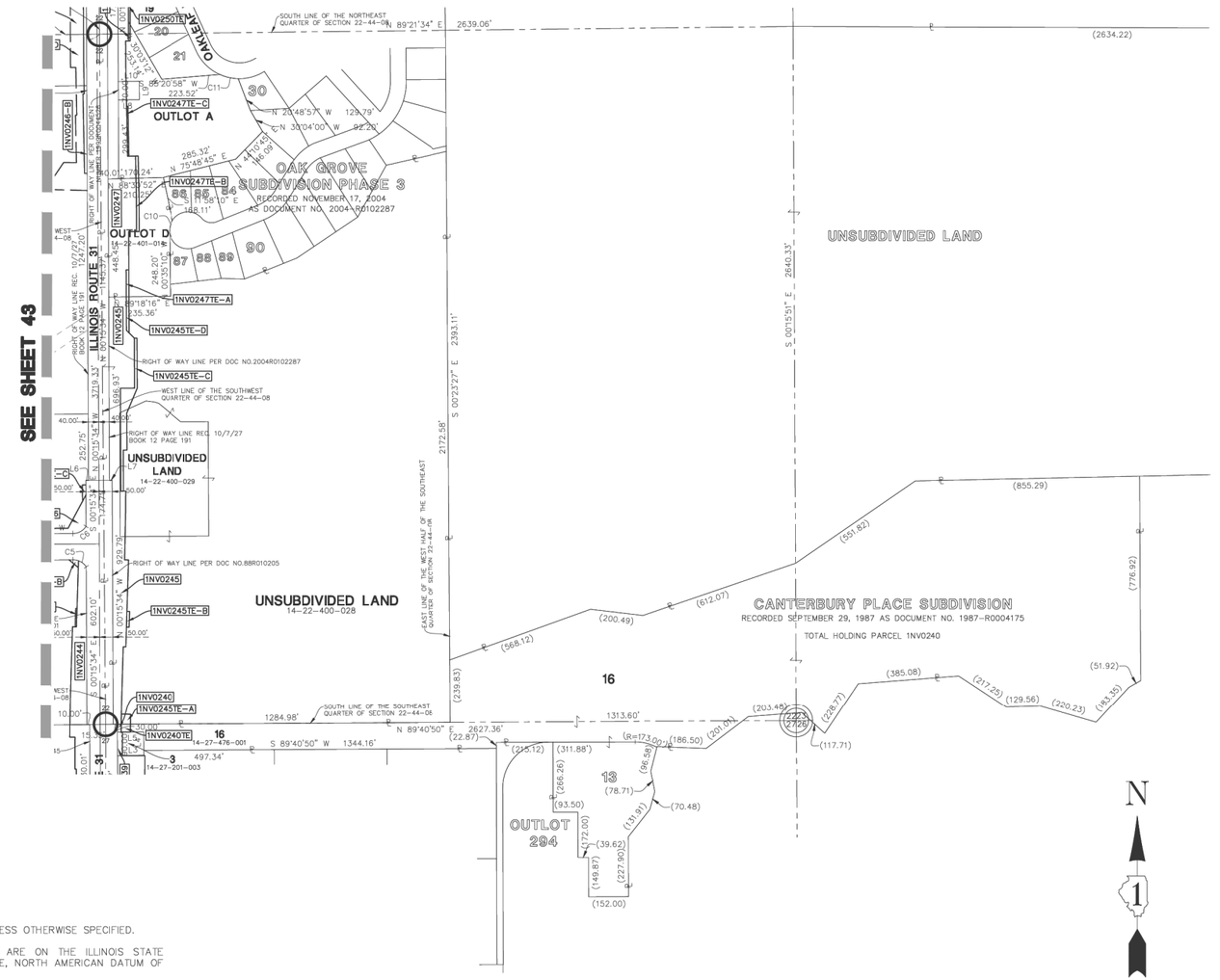

SEE SHEET 45
SEE SHEET 44
SEE SHEET 42
SOUTH LINE OF THE NORTHWEST QUARTER OF SECTION 22-44-08
N 89°22'18" E 2642.40'
1321.20'
SOUTH LINE OF THE NORTHEAST QUARTER OF SECTION 22-44-08
N 89°21'34" E 2639.06'
UNSUBDIVIDED LAND
14-22-300-034
UNSUBDIVIDED LAND
14-22-300-038 (PT)
UNSUBDIVIDED LAND
14-22-300-036 (PT)
UNSUBDIVIDED LAND
14-22-400-029
UNSUBDIVIDED LAND
14-22-400-028
UNSUBDIVIDED LAND
14-27-126-001
OUTLOT A
OUTLOT D
14-22-401-014
OAK GROVE SUBDIVISION PHASE 3
RECORDED NOVEMBER 17, 2004
AS DOCUMENT NO. 2004-R0102287
CANTERBURY PLACE SUBDIVISION
14-27-476-001
14-27-201-003
OAKLEAF LANE
THUNDERBIRD LANE
ILLINOIS ROUTE 31
HALF MILE TRAIL
CENTERLINE PER DOC NO. 1976R0671367
VACATED SQUAW CREEK ROAD PER DOCUMENT NUMBER 671366
WEST LINE OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 22-44-08
WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 22-44-08
SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 22-44-08
EAST LINE OF THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 22-44-08
RIGHT OF WAY LINE PER DOC NO. 1976R0671367
RIGHT OF WAY LINE PER DOC NO. 88R010201
RIGHT OF WAY LINE PER DOC NO.2004R0102287
RIGHT OF WAY LINE PER DOC NO. 80245
RIGHT OF WAY LINE REC. 10/7/27 BOOK 12 PAGE 164
RIGHT OF WAY LINE REC. 10/7/27 BOOK 12 PAGE 191
1NV0250TE
1NV0246TE-D
1NV0247TE-C
1NV0246TE-B
1NV0246TE-C
1NV0246TE-E
1NV0246TE-A
1NV0246
1NV0247TE-B
1NV0247
1NV0247TE-A
1NV0245
1NV0245TE-D
1NV0245TE-C
1NV0245TE-B
1NV0244TE-B
1NV0244TE-A
1NV0244
1NV0240
1NV0245TE-A
1NV0240TE
1NV02
1NV0247TE
1NV0245TE
1NV0246TE
1NV0244TE
N 00°10'56" W 2633.38'
S 00°21'01" E 2629.46'
N 89°12'16" E 2657.82'
N 89°22'18" E 805.09'
N 89°22'18" E 466.44'
N 00°37'36" W 332.58'
S 85°20'58" W 223.52'
N 20°48'57" W 129.79'
N 30°04'00" W 92.20'
N 75°48'45" E 285.32'
N 88°35'52" E 210.25'
S 01°58'10" E 168.11'
N 00°23'10" W 248.05'
N 89°18'16" E 235.36'
S 00°15'34" W 3719.33'
S 00°15'34" E 129.75'
S 89°17'16" W 499.02'
N 62°39'19" E 865.30'
S 62°39'19" W 580.30'
N 00°39'43" W 53.13'
N 65°14'47" W 68.61'
S 89°44'44" W 346.72'
N 89°44'34" E 346.77'
N 85°06'52" W 301.21'
N 89°44'34" E 300.01'
N 00°15'34" E 602.10'
S 00°15'34" W 474.74'
S 00°15'34" W 329.79'
S 00°23'27" E 2393.11'
S 00°23'27" E 2172.58'
N 89°40'50" E 2627.36'
S 89°40'50" W 1344.16'
N 89°18'16" E 1284.98'
N 89°18'16" E 497.34'
1294.34'
2679.46'
1144.61'
229.20'
252.75'
1115.37'
448.53'
1195.37'
1267.69'
1257.69'
(732.32')
(568.12)
(239.83)
(218.12)
(22.87)
2633.38'
2629.46'
2657.82'
2627.36'
1284.98'
1344.16'
497.34'
1294.34'
1144.61'
1115

PART OF S 1/2 OF SECTION 22 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS



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5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

- ● IRON ROD SET
- ○ IRON PIPE OR ROD FOUND
- ✚ CUT CROSS FOUND OR SET
- ○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- ◔ PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ◇ LIGHT STANDARD
- ⊀ PK NAIL SET
- ○ REPLACED AFTER CONSTRUCTION

P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2022.

_____
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DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023
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REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
REVISED: 12/14/2020 PER IDOT COMMENTS–PGA
REVISED: 10/28/2020 PER IDOT COMMENTS–PGA

JAMES D. BAKER ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648 LINCOLNSHIRE, ILLINOIS

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2022

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. _____ TO STA. _____ ILLINOIS ROUTE 31
SCALE: 1" = 250' SHEET 44 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–W02 SB

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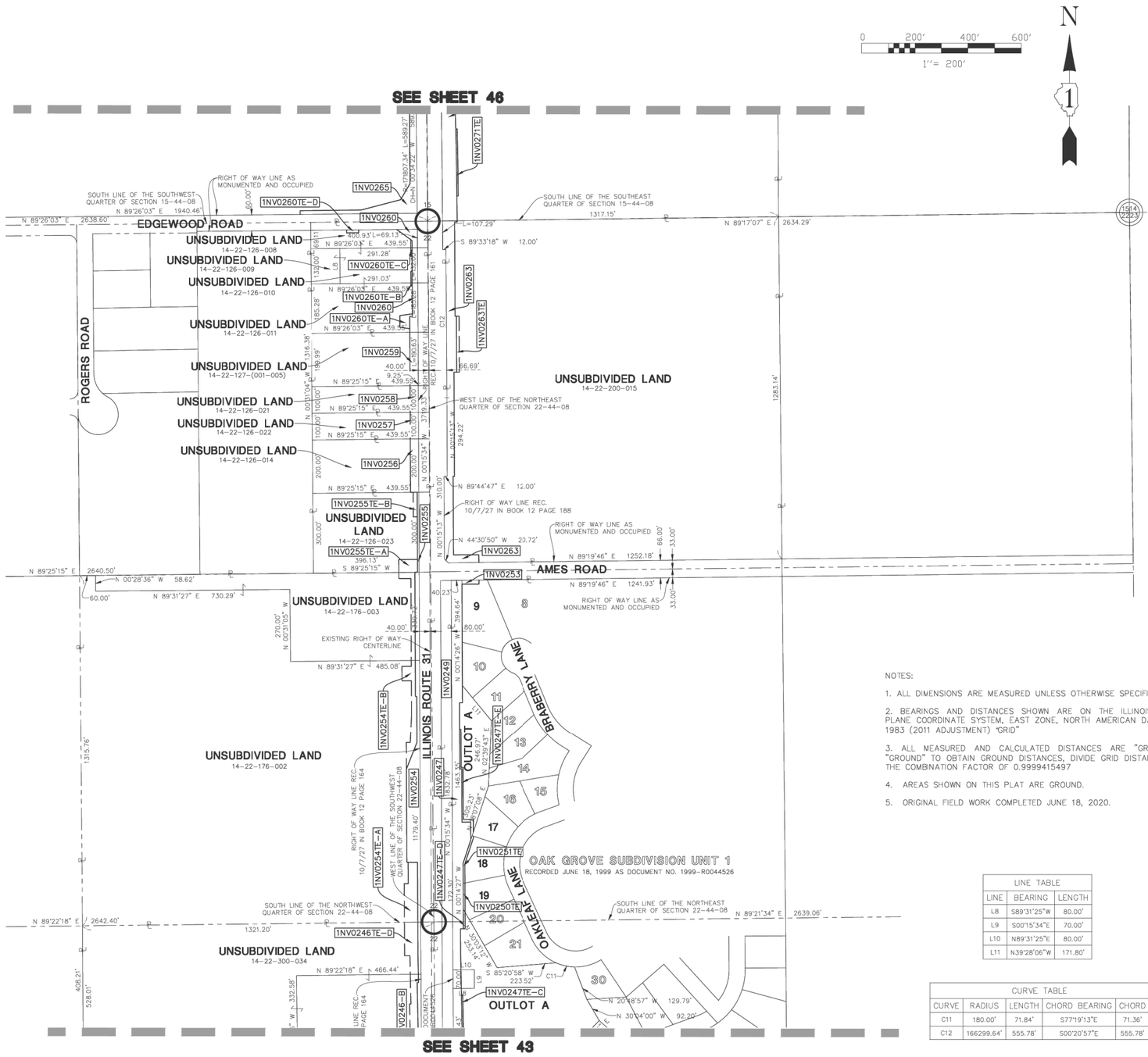
USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						835	509
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO.	
PLOT DATE = 10/3/2024	DATE -	REVISED -						ILLINOIS	FED. AID PROJECT
				SCALE:	SHEET OF SHEETS	STA. TO STA.			

PART OF N 1/2 OF SECTION 22 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS


SEE SHEET 46
SEE SHEET 43
EDGEWOOD ROAD
ROGERS ROAD
AMES ROAD
ILLINOIS ROUTE 31
BRABERRY LANE
OAKLEAF LANE
OAK GROVE SUBDIVISION UNIT 1
RECORDED JUNE 18, 1999 AS DOCUMENT NO. 1999-R0044526
OUTLOT A
UNSUBDIVIDED LAND
14-22-126-008
UNSUBDIVIDED LAND
14-22-126-009
UNSUBDIVIDED LAND
14-22-126-010
UNSUBDIVIDED LAND
14-22-126-011
UNSUBDIVIDED LAND
14-22-127-(001-005)
UNSUBDIVIDED LAND
14-22-126-021
UNSUBDIVIDED LAND
14-22-126-022
UNSUBDIVIDED LAND
14-22-126-014
UNSUBDIVIDED LAND
14-22-126-023
UNSUBDIVIDED LAND
14-22-176-003
UNSUBDIVIDED LAND
14-22-176-002
UNSUBDIVIDED LAND
14-22-200-015
UNSUBDIVIDED LAND
14-22-300-034
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1NV0265
1NV0260TE-D
1NV0260
1NV0260TE-C
1NV0260TE-B
1NV0260
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1NV0258
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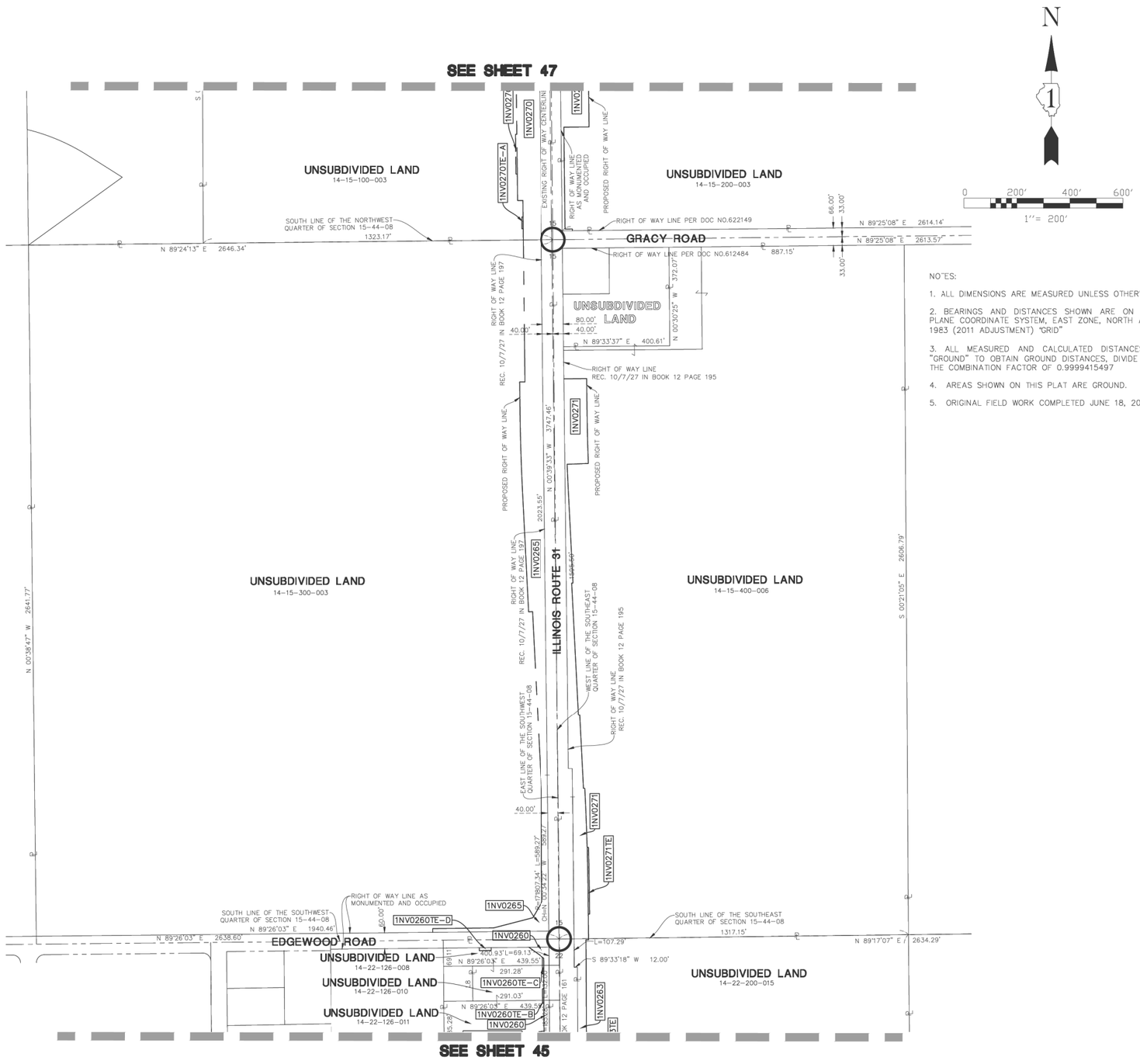
1NV0255
1NV0255TE-A
1NV0263
1NV0263TE
1NV0253
1NV0254TE-B
1NV0254TE-A
1NV0254
1NV0247
1NV0249
1NV0247TE-E
1NV0247TE-D
1NV0247TE-C
1NV0251TE
1NV0250TE
1NV0246TE-D
1NV0246-B
SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 15-44-08
N 89°26'03" E 1940.46'
SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 15-44-08
1317.15'
N 89°17'07" E 2634.29'
N 89°26'03" E 2638.60'
RIGHT OF WAY LINE AS MONUMENTED AND OCCUPIED
60.00'
L=107.29'
S 89°33'18" W 12.00'
100.93'L=69.13
N 89°26'03" E 439.55'
291.28'
291.03'
439.55'
N 89°26'03" E 439.55'
N 89°25'15" E 439.55'
N 89°25'15" E 439.55'
N 89°25'15" E 439.55'
N 89°25'15" E 2640.50'
N 00°28'36" W 58.62'
N 89°31'27" E 730.29'
60.00'
S 89°25'15" W
396.13'
N 89°31'27" E 485.08'
N 89°19'46" E 1241.93'
RIGHT OF WAY LINE AS MONUMENTED AND OCCUPIED
33.00'
66.00'
N 89°19'46" E 1252.18'
N 44°30'50" W 23.72'
RIGHT OF WAY LINE REC. 10/7/27 IN BOOK 12 PAGE 188
N 89°44'47" E 12.00'
WEST LINE OF THE NORTHEAST QUARTER OF SECTION 22-44-08
N 00°15'34" W 3719.55'
N 00°15'34" W 310.00'
N 00°15'34" W 294.22'
N 00°15'34" W 172.50'
N 00°04'26" W 1283.14'
RIGHT OF WAY LINE REC. 10/7/27 IN BOOK 12 PAGE 161
C12
66.69'
40.00'
9.25'
439.55'
100.00'
200.00'
300.00'
310.00'
1283.14'
40.23'
194.64'
80.00'
EXISTING RIGHT OF WAY-CENTERLINE
N 89°31'27" E 485.08'
N 00°04'26" W 1330.32'
N 00°31'05" W 270.00'
1315.76'
RIGHT OF WAY LINE REC. 10/7/27 IN BOOK 12 PAGE 164
WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 22-44-08
1179.40'
N 00°15'34" W 1316.38'
N 00°15'34" W 1316.99'
N 00°15'34" W 1316.99'
N 00°15'34" W 1316.99

PART OF S 1/2 OF SECTION 15 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS



N

0 200' 400' 600'

1" = 200'

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"

3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497

4. AREAS SHOWN ON THIS PLAT ARE GROUND.

5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

● IRON ROD SET
○ IRON PIPE OR ROD FOUND
✚ CUT CROSS FOUND OR SET
○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
○ BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M STAKING OR FROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.
◇ LIGHT STANDARD
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
ϟ PK NAIL SET
○ REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2022.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2022

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR
NO. 3648
LINCOLNSHIRE, ILLINOIS

REVISED: 05/05/2023 PER IDOT COMMENTS–PGA
REVISED: 02/09/2022 PER IDOT COMMENTS–PGA
REVISED: 11/18/2021 PER IDOT COMMENTS–PGA
REVISED: 11/03/2021 PER IDOT COMMENTS–PGA
REVISED: 09/24/2021 PER IDOT COMMENTS–PGA
REVISED: 07/19/2021 PER IDOT COMMENTS–PGA
REVISED: 05/28/2021 PER IDOT COMMENTS–PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
REVISED: 12/14/2020 PER IDOT COMMENTS–PGA
REVISED: 10/28/2020 PER IDOT COMMENTS–PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2023

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 253+00 TO STA. 280+00 ILLINOIS ROUTE 31
SCALE: 1" = 200' SHEET 46 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–W02 SB

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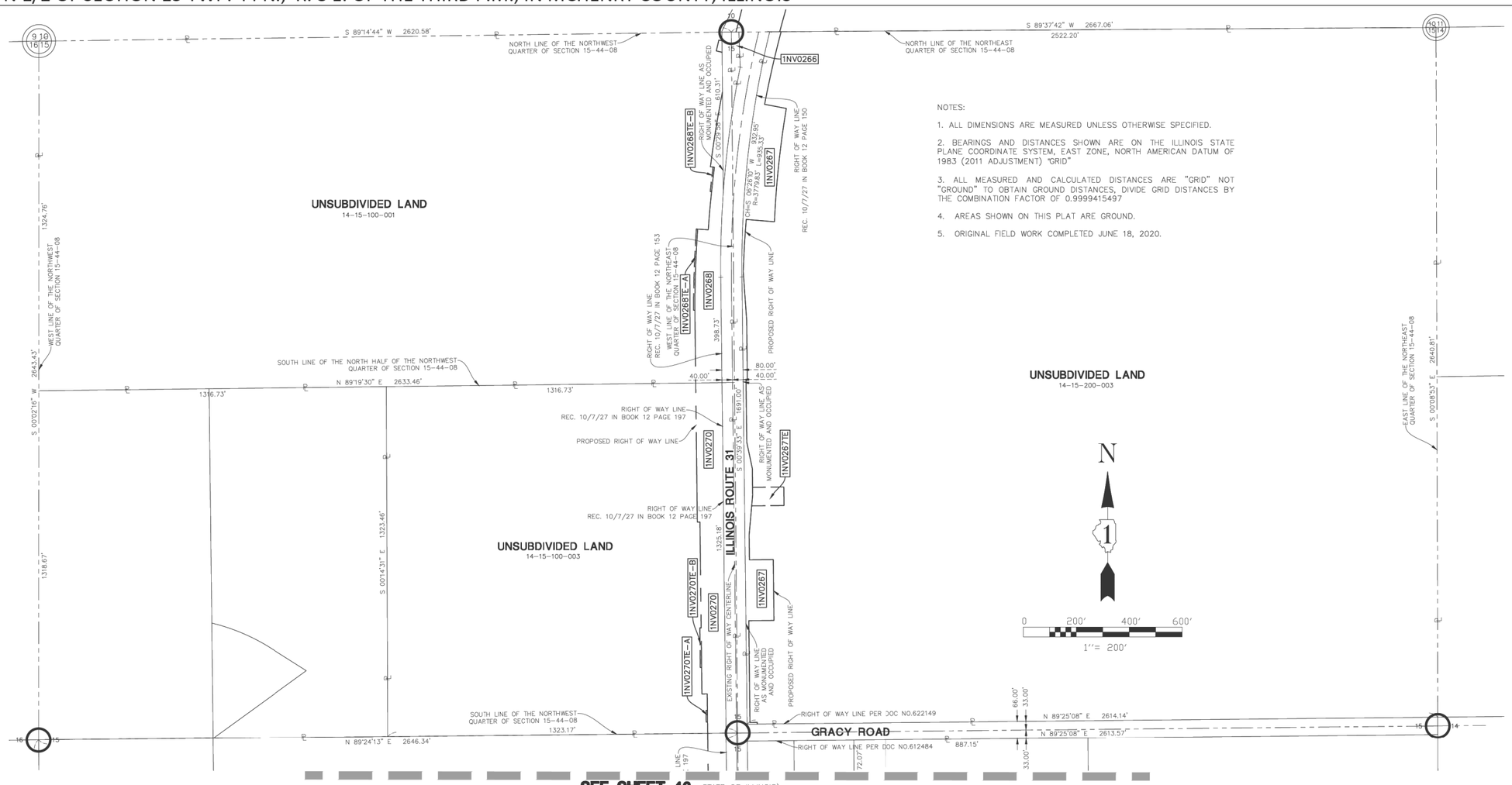
USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						835	511
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO.		
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

PART OF N 1/2 OF SECTION 15 TWP. 44 N., R. 8 E. OF THE THIRD P.M., IN MCHENRY COUNTY, ILLINOIS



SEE SHEET 46

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2023.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2024

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR
NO. 3648
LINCOLNSHIRE, ILLINOIS

REVISED: 05/26/2023 PER IDOT COMMENTS–PGA
REVISED: 05/05/2023 PER IDOT COMMENTS–PGA
REVISED: 04/28/2023 PER IDOT COMMENTS–PGA
REVISED: 02/27/2023 PER IDOT COMMENTS–PGA
REVISED: 02/09/2022 PER IDOT COMMENTS–PGA
REVISED: 11/18/2021 PER IDOT COMMENTS–PGA
REVISED: 11/03/2021 PER IDOT COMMENTS–PGA
REVISED: 09/24/2021 PER IDOT COMMENTS–PGA
REVISED: 07/19/2021 PER IDOT COMMENTS–PGA
REVISED: 05/28/2021 PER IDOT COMMENTS–PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS–PGA
REVISED: 12/14/2020 PER IDOT COMMENTS–PGA
REVISED: 10/28/2020 PER IDOT COMMENTS–PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:48 am, Jun 07, 2023

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. 280+00 TO STA. 306+00 ILLINOIS ROUTE 31
SCALE: 1" = 200' SHEET 47 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19–WO2 SB

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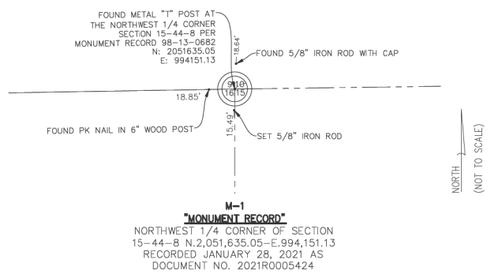
USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED -							835 / 512
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO.	
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.		ILLINOIS	FED. AID PROJECT



M-1
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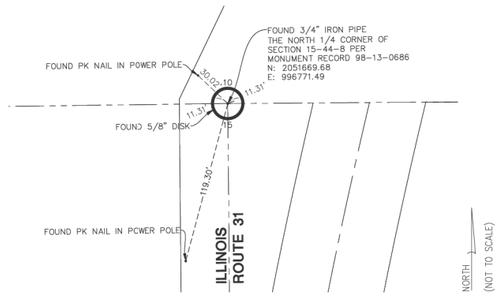
DOCUMENT NO. 2021R0005424



M-2
"MONUMENT RECORD"
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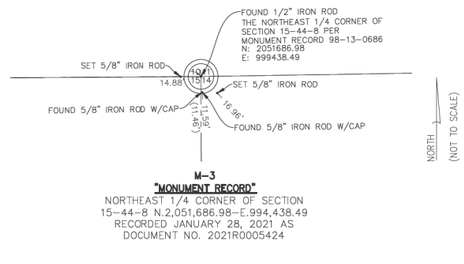

M-3
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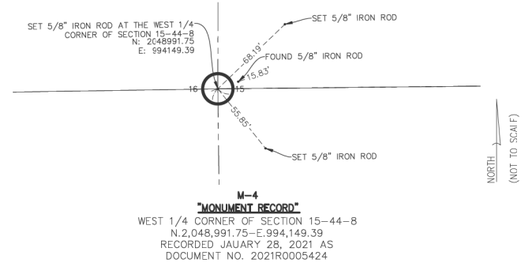

M-4
"MONUMENT RECORD"
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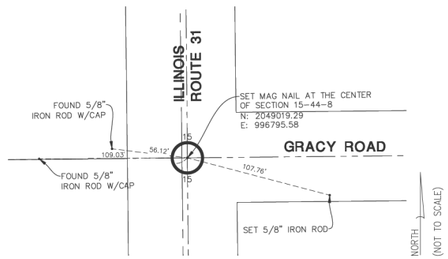
DOCUMENT NO. 2021R0005424



M-5
"MONUMENT RECORD"
CENTER OF SECTION 15-44-8
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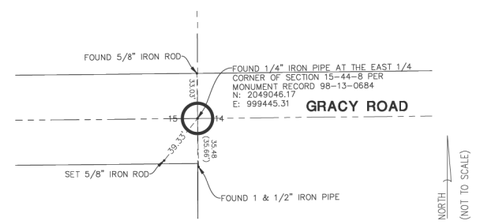

M-6
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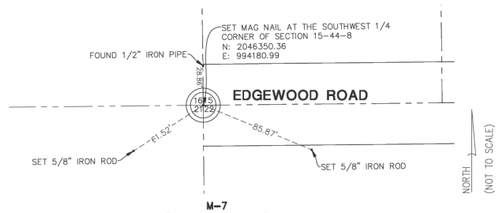

M-7
"MONUMENT RECORD"
SOUTHWEST 1/4 CORNER OF
SECTION 15-44-8
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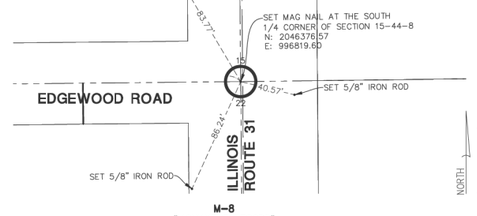
RECORDED JANUARY 28, 2021 AS
DOCUMENT NO. 2021R0005423



M-8
"MONUMENT RECORD"
SOUTH 1/4 CORNER OF SECTION 15-44-8
N.2,046,376.57-E.996,819.60
RECORDED JANUARY 28, 2021 AS
DOCUMENT NO. 2021R0005423

SECTION CORNER

16 15 QUARTER SECTION CORNER

	SECTION LINE
	QUARTER SECTION LINE
	QUARTER, QUARTER SECTION LINE
	PLATTED LOT LINE
R	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	PROPOSED EASEMENT
129.32'	MEASURED DIMENSION
129.32'(COMP.)	COMPUTED DIMENSION
( )	RECORD DATA
	EXISTING BUILDING

●	IRON ROD SET	⊕	PK NAIL SET
○	IRON PIPE OR ROD FOUND	○	REPLACED AFTER CONSTRUCTION
+	CUT CROSS FOUND OR SET		
○ T1 T2 T3	THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.		
○ BT1 BT2 BT3	THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.		
■	STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.		
■ M	STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.		
◔	PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)		
□	RIGHT OF WAY STAKING PROPOSED TO BE SET.		
◇	LIGHT STANDARD		
P.O.B. =	POINT OF BEGINNING		
P.O.C. =	POINT OF COMMENCEMENT		

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999415497
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2022.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2022

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023
REVISED: 02/09/2022 PER IDOT COMMENTS-PGA
REVISED: 11/18/2021 PER IDOT COMMENTS-PGA
REVISED: 11/03/2021 PER IDOT COMMENTS-PGA
REVISED: 09/24/2021 PER IDOT COMMENTS-PGA
REVISED: 07/19/2021 PER IDOT COMMENTS-PGA
REVISED: 05/28/2021 PER IDOT COMMENTS-PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS-PGA
REVISED: 12/14/2020 PER IDOT COMMENTS-PGA
REVISED: 10/28/2020 PER IDOT COMMENTS-PGA

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR
NO. 3648
LINCOLNSHIRE, ILLINOIS

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. TO STA. ILLINOIS ROUTE 31
SCALE: SHEET 49 OF 50 SHEETS

APPROVED
By Miguel.Correano at 8:48 am, Jun 07, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19-W02 SB

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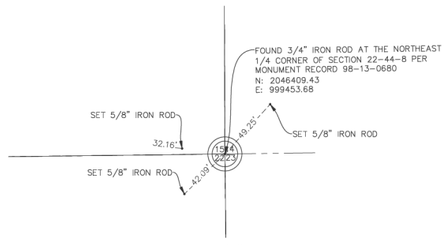
USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						835	513
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO.		
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	



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NORTHEAST 1/4 CORNER OF
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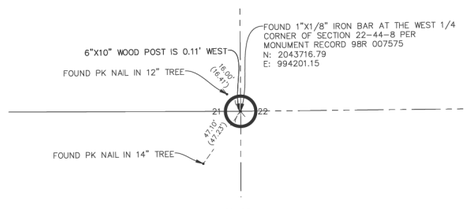
DOCUMENT NO. 2021R0005425



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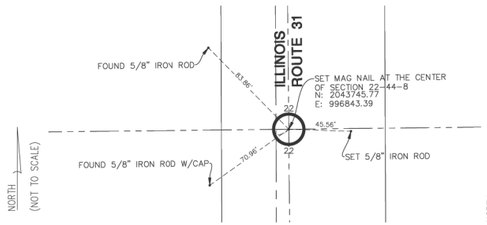

M-11
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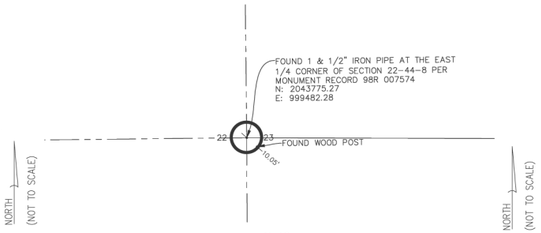

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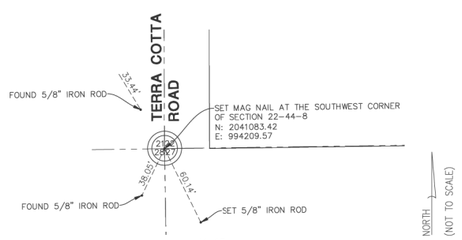

M-13
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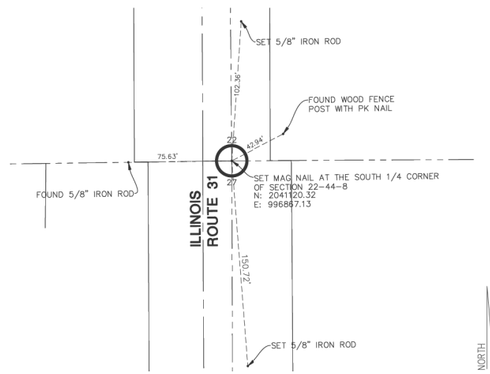
RECORDED JANUARY 28, 2021 AS
DOCUMENT NO. 2021R0005426



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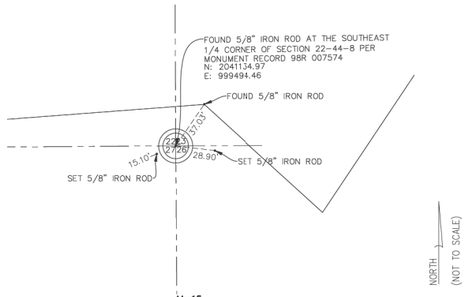

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RECORDED JANUARY 28, 2021 AS
DOCUMENT NO. 2021R0005426

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' MEASURED DIMENSION
129.32'(COMP.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD

P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT

- PK NAIL SET
- REPLACED AFTER CONSTRUCTION

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. ORIGINAL FIELD WORK COMPLETED JUNE 18, 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, JAMES D. BAKER, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, 22, AND 27, TOWNSHIP 44 NORTH RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LINCOLNSHIRE, ILLINOIS THIS _____ DAY OF _____, A.D., 2022.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LICENSE EXPIRES NOVEMBER 30, 2022

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2023

JAMES D. BAKER
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3648
LINCOLNSHIRE, ILLINOIS

REVISED: 02/09/2022 PER IDOT COMMENTS-PGA
REVISED: 11/18/2021 PER IDOT COMMENTS-PGA
REVISED: 11/03/2021 PER IDOT COMMENTS-PGA
REVISED: 09/24/2021 PER IDOT COMMENTS-PGA
REVISED: 07/19/2021 PER IDOT COMMENTS-PGA
REVISED: 05/28/2021 PER IDOT COMMENTS-PGA
REVISED: 02/01/2021 PER RECORDED MONUMENT RECORDS-PGA
REVISED: 12/14/2020 PER IDOT COMMENTS-PGA
REVISED: 10/28/2020 PER IDOT COMMENTS-PGA

Manhard CONSULTING LTD
Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31

IDOT USE ONLY

APPROVED
By Miguel.Correano at 8:49 am, Jun 07, 2023

LIMITS: IL ROUTE 176 TO IL ROUTE 120 COUNTY: MCHENRY
SECTION: _____ JOB NO.: R-91-013-07
STA. TO STA. ILLINOIS ROUTE 31
SCALE: SHEET 50 OF 50 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT19-W02 SB

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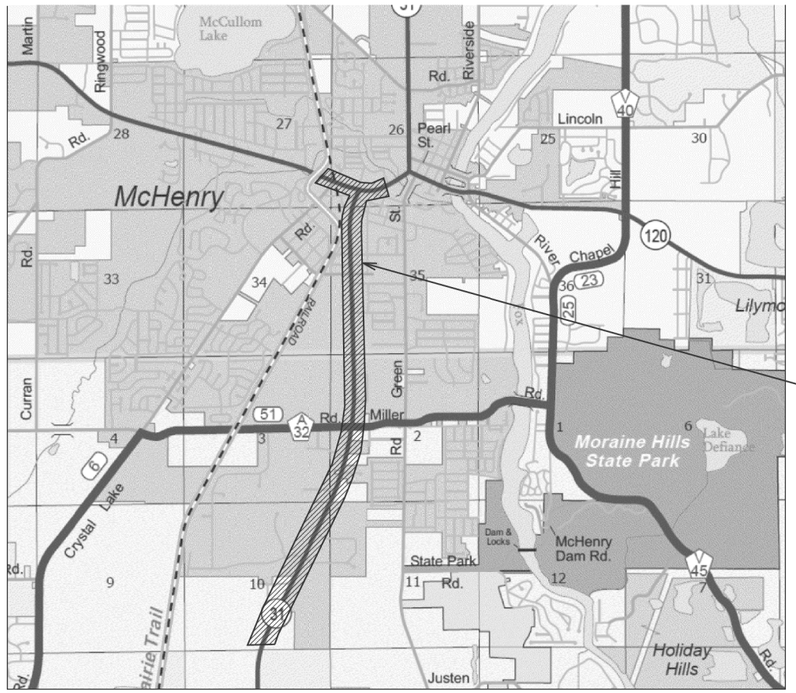
USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED -						835 / 514
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO.	
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
INV0002 INV0002TE	PARKWAY BANK & TRUST CO., AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 16TH DAY OF APRIL AND KNOWN AS TRUST NUMBER 10578	3 4 38	
INV0003	ADAMS STEEL SERVICES & SUPPLY, INC.	3 38	
INV0004	EDWARD L. SALISBURY AND MARIANNE SALISBURY, TRUSTEES UNDER THE EDWARD L. SALISBURY LIVING TRUST, DATED SEPTEMBER 15, 2019	3 38	
INV0005	MARION INDURANTE-CROOKS AS TRUSTEE OF THE LORRAINE LID REVOCABLE TRUST DATED APRIL 19, 2017	3 4 5 38	
INV0006 INV0006TE	MMR HOLDINGS, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	4 38	
INV0007 INV0007TE	THE CHICAGO TRUST COMPANY AS SUCCESSOR TO WINTRUST ASSET MANAGEMENT CO., AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 19TH DAY OF MAY, KNOWN AS TRUST NUMBER LFT-5514	5 38	
INV0008 INV0008TE-A INV0008TE-B INV0008TE-C	THE CHAPEL, AN ILLINOIS NOT FOR PROFIT CORPORATION	5 38	
INV0009 INV0009TE	PRAIRIE POINTE LAND DEVELOPMENT CORP., WHICH ACQUIRED TITLE AS PRAIRIE POINT LAND DEVELOPMENT CORPORATION	5 38	
INV0010 INV0010TE	1715 South Route 31 LLC formerly known as 21906 W Grant HWY LLC, an Illinois limited liability company	5 6 10	
INV0011 INV0011TE	PRR PROPERTIES, L.L.C.-REBARS, AN ILLINOIS LIMITED LIABILITY COMPANY	6 39	
INV0012TE INV0012PE	SHIVJI REAL ESTATE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	6	
INV0013 INV0013TE-A INV0013TE-B	PPR PROPERTIES-REBARS, LLC	7 39	
INV0014 INV0014TE-A INV0014TE-B	OLD NATIONAL BANK, SUCCESSOR TO FIRST MIDWEST BANK, AS SUCCESSOR TRUSTEE TO MCHENRY STATE BANK, AS TRUSTEE UNDER PROVISIONS OF A TRUST AGREEMENT DATED THE 25TH OF APRIL, 1972 AND KNOWN AS TRUST NUMBER 475	7	
INV0015 INV0015TE	NATURAL GAS PIPELINE COMPANY OF AMERICA, LLC	7 39	
INV0016	NATURAL GAS PIPELINE COMPANY OF AMERICA, LLC	7 39	
INV0017 INV0017TE	FOX MEADOWS PHASE I, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	6 7 38 39	
INV0018 INV0018TE	AMI HOTELS, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	7 39	
INV0019 INV0019TE	PKGA PROPERTIES, INC., AN ILLINOIS CORPORATION	8 39	
INV0020 INV0020TE-A INV0020TE-B	HOME STATE BANK, NATIONAL ASSOCIATION	8	
INV0021 INV0021TE	EQUITY TRUST COMPANY, CUSTODIAN F/B/O PAUL SWANSON IRA	9	
INV0022TE	LIFE'SABUILDING, L.L.C.	9 39	
INV0023TE	ECR 4500 PRIME LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	9 39	
INV0024 INV0024TE	KITKAT (I1) LLC, A DELAWARE LIMITED LIABILITY COMPANY	8 11 39 40	
INV0025	OLD NATIONAL BANK SUCCESSOR TO FIRST MIDWEST BANK AS SUCCESSOR TRUSTEE TO MCHENRY STATE BANK, AS TRUSTEE UNDER PROVISIONS OF A TRUST AGREEMENT DATED THE 15 DAY OF MARCH, 1977 AND KNOWN AS TRUST NUMBER 1181	11 39 40	
INV0026 INV0026TE	AMERICAN COMMUNITY BANK AND TRUST, AS ILLINOIS BANKING CORPORATION	8 10 39	
INV0027 INV0027-A INV0027-B INV0027TE	FIRST MIDWEST BANK AS SUCCESSOR TRUSTEE TO MCHENRY STATE BANK AS TRUSTEE UNDER PROVISIONS OF A TRUST AGREEMENT DATED THE 15 DAY OF MARCH, 1977 AND KNOWN AS TRUST NUMBER 1181	8 7 10 39	
INV0028	GILLMORE PROPERTIES, L.L.C.	10	
INV0029 INV0029TE-A INV0029TE-B	1107 PROPERTIES, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	11 12 13 40	
INV0032 INV0032TE	FIRST MIDWEST BANK, SUCCESSOR TRUSTEE TO MCHENRY STATE BANK AS TRUSTEE UNDER PROVISIONS OF A TRUST AGREEMENT DATED THE 15TH DAY OF MARCH, 1977 AND KNOWN AS TRUST NUMBER 1181	13 14 40	
INV0033 INV0033TE	1202 ROUTE 31 LLC, A LIMITED LIABILITY COMPANY	12 13 40	
INV0034 INV0034TE	SCOTTJ REAL ESTATE LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	12 40	
INV0035	SPEEDWAY LLC, A DELAWARE LIMITED LIABILITY COMPANY	11 12 40	
INV0036 INV0036TE-A INV0036TE-B	LIBERTY SQUARE PROFESSIONAL BUILDING CONDOMINIUM ASSOCIATION, ON BEHALF OF THE UNIT OWNERS AS THEIR INTERESTS MAY APPEAR	14 41	
INV0037 INV0037TE	OPTIMAR, L.C	14	
INV0038 INV0038TE-A INV0038TE-B	THE TRUSTEES OF MCHENRY COUNTY COMMUNITY COLLEGE DISTRICT NO 528, AN ILLINOIS MUNICIPAL CORPORATION	14 15 41	
INV0039 INV0039TE	STEPHEN GOUNIS	14 41	
INV0040	MCHENRY TOWNSHIP FIRE PROTECTION DISTRICT	14 41	
INV0041	GEORGE L. STANKEVYCH AND LYDIA S. STANKEVYCH, HIS WIFE, IN JOINT TENANCY	14 15 41	
INV0042 INV0042TE	RANDALL M. TARADASH AND MARY KLORIS TARADASH, IN JOINT TENANCY	15 41	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

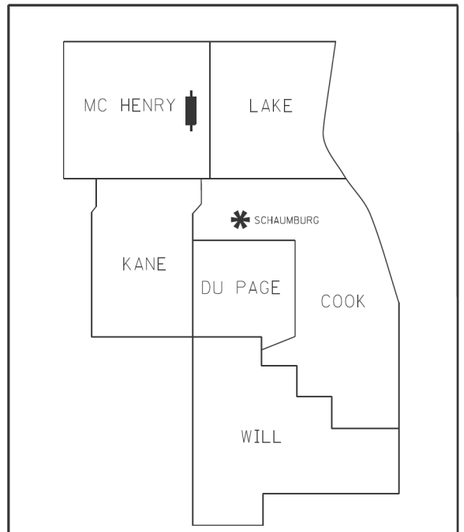
PLAT OF HIGHWAYS

ROUTE: IL ROUTE 31
SECTION
COUNTY: MCHENRY
LIMITS: ILLINOIS 176 TO ILLINOIS 120
JOB NO.: R-91-013-07



PROJECT LOCATION

LOCATION MAP



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

IDOT USE ONLY

APPROVED
By Miguel.Corsano at 9:04 am, Jun 21, 2023

REV. 06/19/2023

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USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	515
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
INV0043 INV0043TE	HOME STATE BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED JUNE 16, 1987 KNOWN AS TRUST NO. 3363	15 41	
INV0044 INV0044TE	MERCY HEALTH SYSTEM CORPORATION	16 41	
INV0045 INV0045TE	ALEX DELIGIANNIS AND BESSIE DELIGIANNES, TRUSTEES UNDER THE DELIGIANNIS LIVING TRUST DATED NOVEMBER 10, 2008	16 41	
INV0046 INV0046TE-A INV0046TE-B	RUSSELL S. POLLINA AND TRACY K. POLLINA, AS JOINT TENANTS	16 41	
INV0047TE	PINNACLE INVESTMENTS PARTNERS, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	17 42	
INV0048	A.J. SHAH, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	18	
INV0049	McHENRY SAVINGS BANK	19	
INV0050	MCDONALD'S USA, LLC, A DELAWARE LIMITED LIABILITY COMPANY	20	
INV0051	FIRST NATIONS BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED 4-5-2010 KNOWN AS TRUST NO. 1761	20 43	
INV0052 INV0052TE	BUSS FORD REAL ESTATE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	20 21 42	
INV0053 INV0053TE	FIRST NATIONS BANK AS TRUSTEE UNDER TRUST NUMBER 1761	21 22 43	
INV0054 INV0054TE	ROUTE 31 REALTY LLC	22	
INV0055 INV0055TE	PMAK MCHENRY 213, LLC A DELAWARE LIMITED LIABILITY COMPANY	22	
INV0056 INV0056TE	FEATHER AND FIRE, LLC	22 23 49	
INV0057 INV0057TE	TOMMY'S TRANSFER STATION, LLC AN ILLINOIS LIMITED LIABILITY COMPANY	23 49	
INV0058 INV0058TE	FREDERICK E. HULT, AS TRUSTEE UNDER THE FREDERICK E. HULT LIVING TRUST DATED JULY 5, 2019	23	
INV0059TE	LLD ACQUISITION COMPANY 14 LLC, A DELAWARE LIMITED LIABILITY COMPANY	22 23 42	
INV0060 INV0060TE	ADAM DIAMOND, AS TRUSTEE FOR TRUST CTS 2010 DATED NOVEMBER 15, 2010	21 22 42	
INV0061 INV0061TE-A INV0061TE-B	GUNATIT MOTEL, INC., AN ILLINOIS CORPORATION	21 42	
INV0062 INV0062TE	PEGGY A. BENZSCHAWEL, TRUSTEE OF PEGGY A. BENZSCHAWEL REVOCABLE TRUST DATED NOVEMBER 10, 1998	20 21 42	
INV0063 INV0063TE	McHENRY SAVING BANK	20 42	
INV0064 INV0064TE-A INV0064TE-B	CM PROPERTIES, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	23 24 49	
INV0065 INV0065TE	FIRST MIDWEST TRUST COMPANY, AS SUCCESSOR TO MCHENRY STATE BANK, AS TRUSTEE UNDER TRUST AGREEMENT DATED DECEMBER 1, 1989, AND KNOWN AS TRUST NUMBER 4832	24 49	
INV0066 INV0066TE	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO NORTHWEST NATIONAL BANK OF CHICAGO AS TRUSTEE UNDER TRUST AGREEMENT DATED SEPTEMBER 10, 1976 KNOWN AS TRUST NO. 3524	24 49	
INV0067 INV0067TE	FIRST MIDWEST BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED FEBRUARY 1, 2016 KNOWN AS TRUST NO. 13495	24	
INV0068 INV0068TE	EDWARD J. DONAHUE	24	
INV0069 INV0069TE	FIRST MIDWEST TRUST COMPANY, N.A. AS SUCCESSOR TRUSTEE TO MCHENRY STATE BANK, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED APRIL 14, 1995, AND KNOWN AS TRUST NUMBER 13049	24 26	
INV0070	FIRST BAPTIST CHURCH OF MCHENRY, ILLINOIS, A RELIGIOUS CORPORATION	25 26 49	
INV0071	EDWARD J. DONAHUE	25 26	
INV0072	GUY R. YOUMAN AND EDWARD L. DONAHUE, AS TRUSTEE UNDER THE PROVISIONS OF THE EGGNEST LAND TRUST DATED 4/24/2006	26	
INV0073	MICHAEL A. AMICI	26	
INV0074 INV0074TE	COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15	24 26 49	
INV0075 INV0075TE	406 FRONT LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	24 49	
INV0076 INV0076TE	MARTIN SANDOVAL AND THERESA SANDOVAL, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	23	
INV0077	WILLIAM SMITH	23	
INV0078 INV0078TE-A INV0078TE-B	BOONE MEADOWS CONDOMINIUM ASSOCIATION ON BEHALF OF THE UNIT OWNERS AS THEIR INTERESTS MAY APPEAR	26	
INV0079TE	FIRST MIDWEST BANK, AS SUCCESSOR TO MCHENRY STATE BANK, AS TRUSTEE UNDER TRUST AGREEMENT #4104 DATED AUGUST 6, 1987	25 26	
INV0080TE	JOSEPH GILMORE	25	
INV0081TE	BENFORD W. ROBINSON	25	
INV0082TE	THOMAS J. TIMM AND DIANE M. TIMM, AS JOINT TENANTS	25	
INV0083TE	CHRISTOPHER PATSIS AND BETH PATSIS, HUSBAND AND WIFE, AS TENANTS IN COMMON	25	
INV0084 INV0084TE	CHICAGO TITLE LAND TRUST COMPANY, AS SUCCESSOR TO AMCORE INVESTMENT GROUP, N.A., AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 11TH DAY OF JULY, 1989, KNOWN AS TRUST NUMBER 3156	27	
INV0085 INV0085TE	MCHENRY REAL ESTATE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	27	
INV0086 INV0086TE	FIRST MIDWEST BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED MAY 3, 1979 KNOWN AS TRUST NO. 72-15360	28	
INV0088 INV0088TE	HOME STATE BANK, N.A., AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 1ST DAY OF FEBRUARY, 1995, AND KNOWN AS TRUST NUMBER 4255	27 28	
INV0089 INV0089TE	CHICAGO TITLE LAND TRUST COMPANY, AS SUCCESSOR TO AMCORE INVESTMENT GROUP, N.A., AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 20TH DAY OF MARCH, 1998, KNOWN AS TRUST NO. 3616	28	
INV0090 INV0090TE	REESE REAL ESTATE, LLC	28	

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
INV0091-A INV0091-B INV0091TE-A INV0091TE-B	CUNAT EXCHANGE I SOUTHGATE DST, A DELAWARE STATUTORY TRUST	28 44	
INV0092 INV0092TE	SOUTHGATE BUSINESS CENTER, LLC	28	
INV0093	CHICAGO TITLE LAND TRUST COMPANY AS TRUSTEE UNDER UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED MARCH 22, 2019 AND KNOWN AS TRUST NUMBER 8002380428	27	
INV0094	CARL F. BURGER AND GAIL S. BURGER, AS TRUSTEES OF THE CARL F. BURGER AND GAIL S. BURGER REVOCABLE TRUST DATED DECEMBER 22, 2016	27	
INV0095 INV0095TE	THE TRUSTEE OF THE ROSALIE S. BUDRECK TRUST U/D/A NOVEMBER 16, 2005	27	
INV0096 INV0096TE	KENNETH J. HIERA, A SINGLE PERSON	27	
INV0097TE	SCOTT GAUGER, A SINGLE PERSON	27	
INV0098 INV0098TE	AIJAZ HUO AND JOAN G. HUO, HUSBAND AND WIFE, IN JOINT TENANCY	26	
INV0099TE	ROGER L. CHRISTIANSEN AND JILL M. WEIDNER AS SUCCESSOR TRUSTEES UNDER THE DOROTHY J. CHRISTIANSEN LIVING TRUST DATED JULY 29, 1997	26	
INV0100 INV0100TE	THE BOARD OF TRUSTEES OF MCHENRY PUBLIC LIBRARY DISTRICT	28 29 44	
INV0101 INV0101TE	HABITAT FOR HUMANITY OF MCHENRY COUNTY, INC.	29 45	
INV0103 INV0103TE	PADOVA PROPERTY LLC-909 SERIES, AN ILLINOIS SERIES LIMITED LIABILITY COMPANY	30 45	
INV0104TE	BAGGIO PROPERTIES, LLC-AUTO CENTER SERIES, AN ILLINOIS SERIES LIMITED LIABILITY COMPANY	30 45	
INV0105 INV0105TE	PADOVA PROPERTY, LLC - 917 SERIES, AN ILLINOIS SERIES LIMITED LIABILITY COMPANY	30	
INV0106 INV0106TE	BAGGIO PROPERTIES, LLC-CAR WASH SERIES, AN ILLINOIS SERIES LIMITED LIABILITY COMPANY		
INV0107 INV0107TE	PADOVA PROPERTY, LLC-RESTAURANT SERIES, AN ILLINOIS SERIES LIMITED LIABILITY COMPANY	30	
INV0108 INV0108TE-A INV0108TE-B	RUBINO, II LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	30 47	
INV0109 INV0109TE	ALDONA B. CEPULIS, AS TRUSTEE UNDER THE ALDONA B. CEPULIS LIVING TRUST DATED SEPTEMBER 12, 1996	30 47	
INV0110 INV0110TE	CHICAGO TITLE LAND TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED SEPTEMBER 19, 1979 KNOWN AS TRUST NO. 2264	29 46	
INV0111 INV0111TE	THE TRUSTEE OF KAREN R. THENNES REVOCABLE TRUST DATED MARCH 9, 2000	29 46	
INV0112 INV0112TE	THOMAS E. THENNES, AS TRUSTEE OF THE REVOCABLE TRUST OF THOMAS E. THENNES DATED MARCH 9, 2000	29 46	
INV0113 INV0113TE	CARL R. WELLS	29 14	
INV0114 INV0114TE	QUEEN HOLDINGS, LLC	31	
INV0115TE-A INV0115TE-B	JOEL ZANK AND KATHLEEN ZANK, AS JOINT TENANTS	31	
INV0116 INV0116TE	HEANEY PROPERTIES, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	31	
INV0117 INV0117TE	OLD NATIONAL BANK SUCCESSOR TO FIRST MIDWEST BANK AS SUCCESSOR TO MCHENRY STATE BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED OCTBER 19, 1989 KNOWN AS TRUST NO. 4792	31	
INV0118TE	HAINESVILLE PROPERTIES, LLC	31	
INV0119	TREEHORN ENTERPRISES, LLC	31	
INV0120 INV0120TE-A INV0120TE-B	BIC-103 LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AS TO AN UNDIVIDED NINETY-EIGHT AND 52/100 PERCENT (98.52%) INTEREST, RAM-1031 LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AS TO AN UNDIVIDED 68/100 PERCENT (.68%) INTEREST, SAM II-1031 LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AS TO AN UNDIVIDED 80 /100 PERCENT (.80%) INTEREST, AS TENANTS IN COMMON	31 33	
INV0121 INV0121TE	THEODORE ELMER JENSEN	33	
INV0122 INV0122TE	ATC MCHENRY, LLC	33	
INV0123	4004 W. ELM ST., LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	32	
INV0124 INV0124TE	DORETTI ENTERPRISES, LLC AN ILLINOIS LIMITED LIABILITY COMPANY	32	
INV0125 INV0125TE-A INV0125TE-B	3926 W ELM LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	32	
INV0126 INV0126TE-A INV0126TE-B	SAND PHARMACY MCHENRY 10470 LLC, A DELAWARE LIMITED LIABILITY COMPANY	34	
INV0127 INV0127TE	Old National Bank, successor to First Midwest Bank as Trustee under Trust Agreement dated December 20, 1996 known as Trust No. 13195	35 48	
INV0128 INV0128TE	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO HARRIS BANK BARRINGTON AS TRUSTEE UNDER TRUST AGREEMENT DATED DECEMBER 17, 1984 KNOWN AS TRUST NO. 11-3300	35 48	
INV0129 INV0129TE-A INV0129TE-B	HI-POINT PROPERTIES (ILLINOIS), LLC	35 48	
INV0130 INV0130TE	OLD NATIONAL BANK SUCCESSOR TO FIRST MIDWEST BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED NOVEMBER 5, 1982 KNOWN AS TRUST NO. 2534	35 48	
INV0131 INV0131TE	FIRST MIDWEST BANK SUCCESSOR TO MCHENRY STATE BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED APRIL 15, 1972 KNOWN AS TRUST NO. 468	36 48	
INV0132 INV0132TE	Old National Bank as successor to First Midwest Bank as successor to McHenry State Bank as Trustee under Trust Agreement dated April 15, 1972 known as Trust No. 469	36 48	
INV0133 INV0133TE	BLACKHAWK BANK SUCCESSOR TO FIRST NATIONAL BANK OF MCHENRY	35 48	
INV0134 INV0134TE	HEIDNER-SUSPENZI PROPERTIES II, L.L.C., AN ILLINOIS LIMITED LIABILITY COMPANY	35 48	
INV0135 INV0135TE	OLD NATIONAL BANK SUCCESSOR TO FIRST MIDWEST BANK AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED 21ST DAY OF APRIL, 1986 KNOWN AS TRUST NUMBER 3601	35 36 48	

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
INV0136	BMO HARRIS BANK NATIONAL ASSOCIATION, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 28TH DAY OF MARCH, 1983 KNOWN AS TRUST NUMBER 11-2845	37	
INV0137	TIMOTHY P. DAVIS	37	
INV0138 INV0138TE	NAPKIN, LLC	36 37	
INV0139 INV0139TE	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO COSMOPOLITAN NATIONAL BANK OF CHICAGO AS TRUSTEE UNDER TRUST AGREEMENT DATED APRIL 16, 1990 KNOWN AS TRUST NO. 29538	36 48	
INV0140TE	R.S. 2010 PROPERTIES, CO.	36	
INV0141	RJP PROPERTIES LLC, LLC, A DELAWARE LIMITED LIABILITY COMPANY F/K/A RJP PROPERTIES FAMILY PARTNERSHIP, A LIMITED PARTNERSHIP	37	
INV0142	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TRUSTEE FOR AMCORE INVESTMENT GROUP, N.A., AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 24TH DAY OF DECEMBER, 1997 KNOWN AS TRUST NUMBER. 3606	37	
INV0143TE	THE CITY OF McHENRY	33	
INV0144 INV0144TE	GNS PROPERTIES, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	13 14 41	
1NV0145 1NV0145TE-A 1NV0145TE-B 1NV0145TE-C	FOR TON LLC	10 11 39 & 40	

REVISION DATE: 06/19/2023 CEP
REVISION DATE: 06/08/2023 MGS

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31 AND IL ROUTE 120

LIMITS: IL 176 TO IL 120 — COUNTY: McHENRY
SECTION: — JOB NO.: R-91-013-07
STA. TO STA.
SCALE: — SHEET 2A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 8:18 am, Jan 03, 2024

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

USER NAME = bwitort	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/3/2024	DATE -	REVISED -

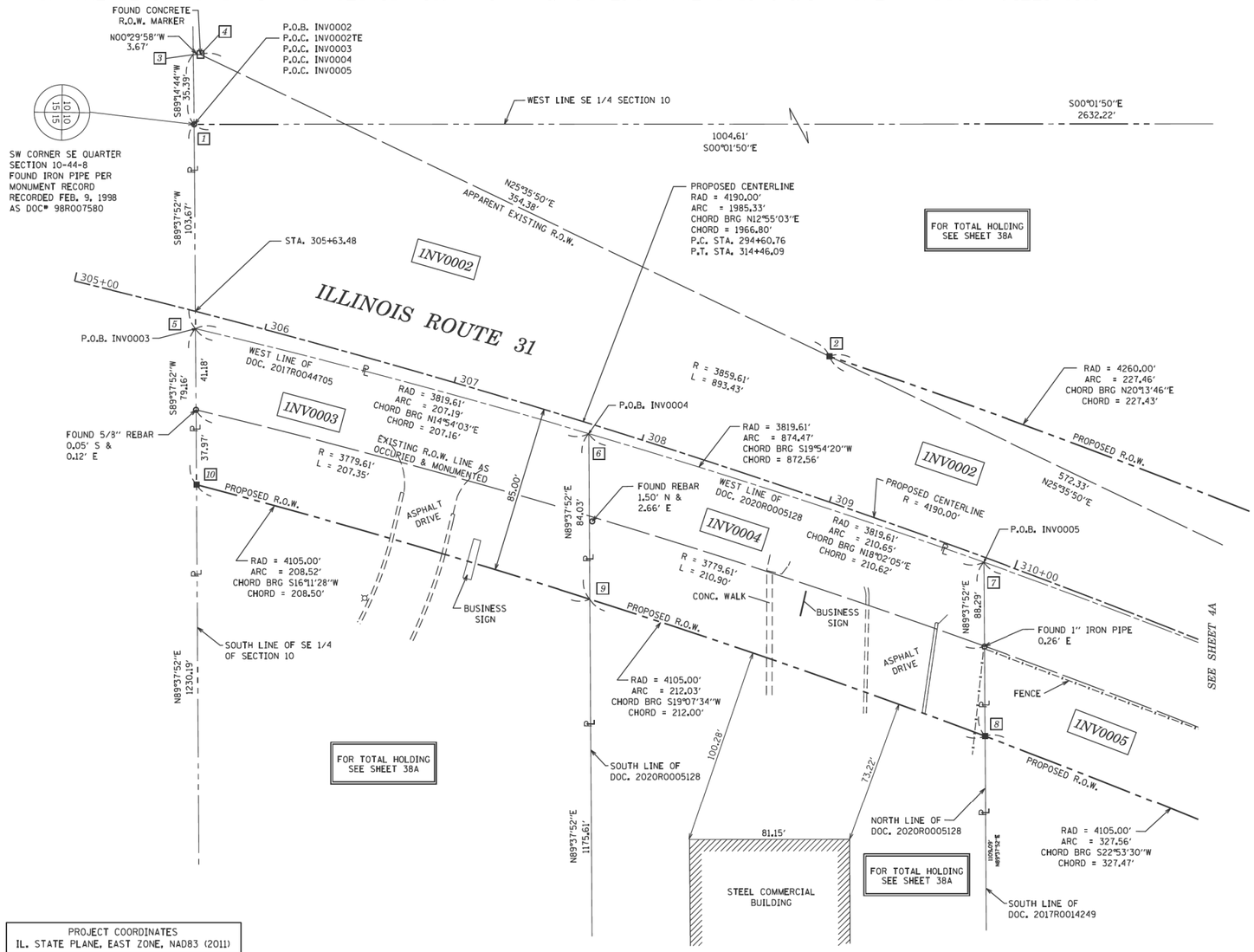
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: — SHEET OF SHEETS — STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	516
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\quathtccc-pw.bentley.com:quathtccc-pw-07\Documents\IDOT\22177.01\9\12 Design\12.3 CADD\SHEETS\C1-SHT-ROW-NORTH-02.dgn

PART OF THE SE 1/4 & SW 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



LEGEND

GRAPHIC SCALE FEET 0 30' SCALE: 1"= 30'

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999943109.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY, 2020.

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2020.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/22

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

PROJECT COORDINATES IL. STATE PLANE, EAST ZONE, NAD83 (2011)		
PT#	COORDINATES	STATION/OFFSET
1	N = 2051669.68 E = 996771.49	305+39.78, 91.78' LT
2	N = 2051992.48 E = 996889.18	308+76.28, 70.00' LT
3	N = 2051669.21 E = 996736.11	305+30.98, 125.99' LT
4	N = 2051672.88 E = 996736.07	305+34.43, 126.91' LT
5	N = 2051670.34 E = 996875.15	305+65.74, 8.52' RT
6	N = 2051870.54 E = 996928.43	307+73.22, 5.01' RT
7	N = 2052070.81 E = 996993.63	309+84.04, 2.44' RT
8	N = 2052071.38 E = 997081.91	310+15.66, 85.00' RT
9	N = 2051871.08 E = 997012.45	307+99.24, 85.00' RT
10	N = 2051670.85 E = 996954.31	305+86.41, 85.00' RT

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
INV0002 INV0002TE	232.900	1.841	1.532	231.059	0.022	-	14-10-451-007 14-10-300-004 14-09-400-003
INV0003	5.524	0.375	0.190	5.149	-	-	14-10-452-003
INV0004	5.246	0.396	0.194	4.850	-	-	14-10-452-002
INV0005	19.034	2.119	0.934	16.915	-	-	14-10-452-001

REVISION DATE: 11/15/2021 REVISION MADE BY: CEP

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 305+39.78 TO STA. 311+00
SCALE: 1" = 30' SHEET 3A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 12:09 pm, Nov 17, 2021

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
FILE NAME: pw:\\antifexcspw.bentley.com:antifexcspw-02\Documents\IDOT\22177\019\12 Dsdlpn\12-3 CADDSHEETS\C1-SHT-ROW-NORTH-03.dgn

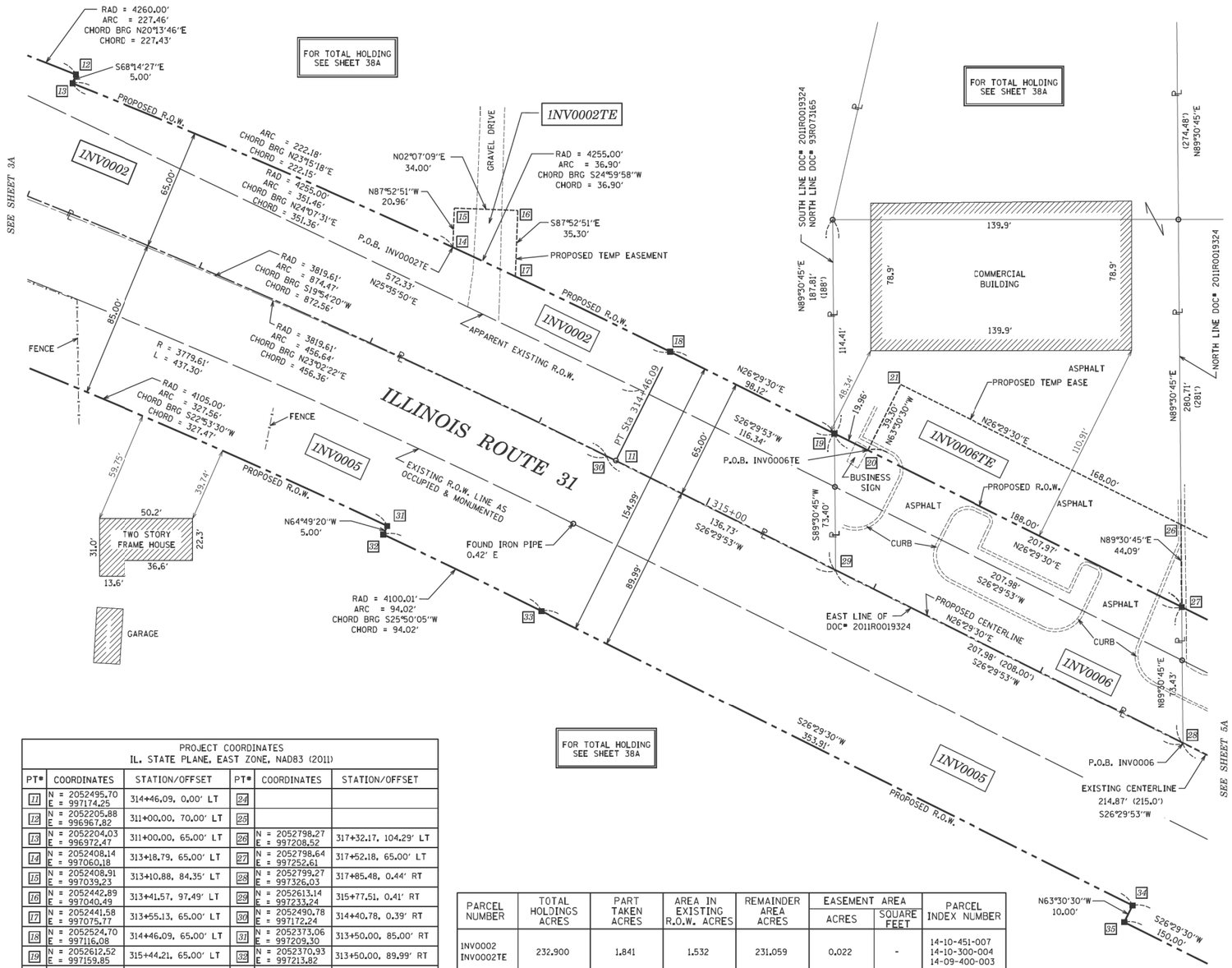
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	517
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SE 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



LEGEND

GRAPHIC SCALE FEET 0 30'
SCALE: 1"= 30'

SECTION CORNER — QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ "MAG" NAIL SET
- ● 5/8" REBAR SET
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999943109.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2023.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/24

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PROJECT COORDINATES
IL. STATE PLANE, EAST ZONE, NAD83 (2011)

PT#	COORDINATES	STATION/OFFSET	PT#	COORDINATES	STATION/OFFSET
11	N = 2052495.70 E = 997174.25	314+46.09, 0.00' LT	24		
12	N = 2052205.88 E = 996967.82	311+00.00, 70.00' LT	25		
13	N = 2052204.03 E = 996972.47	311+00.00, 65.00' LT	26	N = 2052798.27 E = 997208.52	317+32.17, 104.29' LT
14	N = 2052408.14 E = 997060.18	313+18.79, 65.00' LT	27	N = 2052798.64 E = 997252.61	317+52.18, 65.00' LT
15	N = 2052408.91 E = 997039.23	313+10.88, 84.35' LT	28	N = 2052799.27 E = 997326.03	317+85.48, 0.44' RT
16	N = 2052442.89 E = 997040.49	313+41.57, 97.49' LT	29	N = 2052613.14 E = 997233.24	315+77.51, 0.41' RT
17	N = 2052441.58 E = 997075.77	313+55.13, 65.00' LT	30	N = 2052490.78 E = 997172.24	314+40.78, 0.39' RT
18	N = 2052524.70 E = 997116.08	314+46.09, 65.00' LT	31	N = 2052373.06 E = 997209.30	313+50.00, 85.00' RT
19	N = 2052612.52 E = 997159.85	315+44.21, 65.00' LT	32	N = 2052370.93 E = 997213.82	313+50.00, 89.99' RT
20	N = 2052630.38 E = 997168.75	315+64.17, 65.00' LT	33	N = 2052455.56 E = 997254.79	314+46.09, 89.99' RT
21	N = 2052647.91 E = 997133.58	315+64.17, 104.29 LT	34	N = 2052772.31 E = 997412.66	318+00.00, 90.00' RT
22			35	N = 2052767.85 E = 997421.61	318+00.00, 99.99' RT
23					

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1INV0002 1INV0002TE	232.900	1.841	1.532	231.059	0.022	-	14-10-451-007 14-10-300-004 14-09-400-003
1INV0005	19.034	2.119	0.934	16.915	-	-	14-10-452-001
1INV0006 1INV0006TE	6.539	0.312	0.191	6.227	0.161	-	14-10-451-004 14-10-451-008 14-10-300-005

REVISION DATE: 05/24/2023 REVISION MADE BY: CEP

IDOT USE ONLY

APPROVED
By Miguel.Goreano at 7:45 am, Jan 13, 2023

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 311+00.00 TO STA. 318+00.00
SCALE: 1" = 30' SHEET 4A OF 52A SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
FILE NAME: pw:\\ipaltfs-eco-pw.bentley.com:ipaltfs-eco-pw-07\Documents\IDOT\22177-0109\12 Design\12.3 CADD\SHEETS\C1-SHT-ROW-NORTH-04.dgn

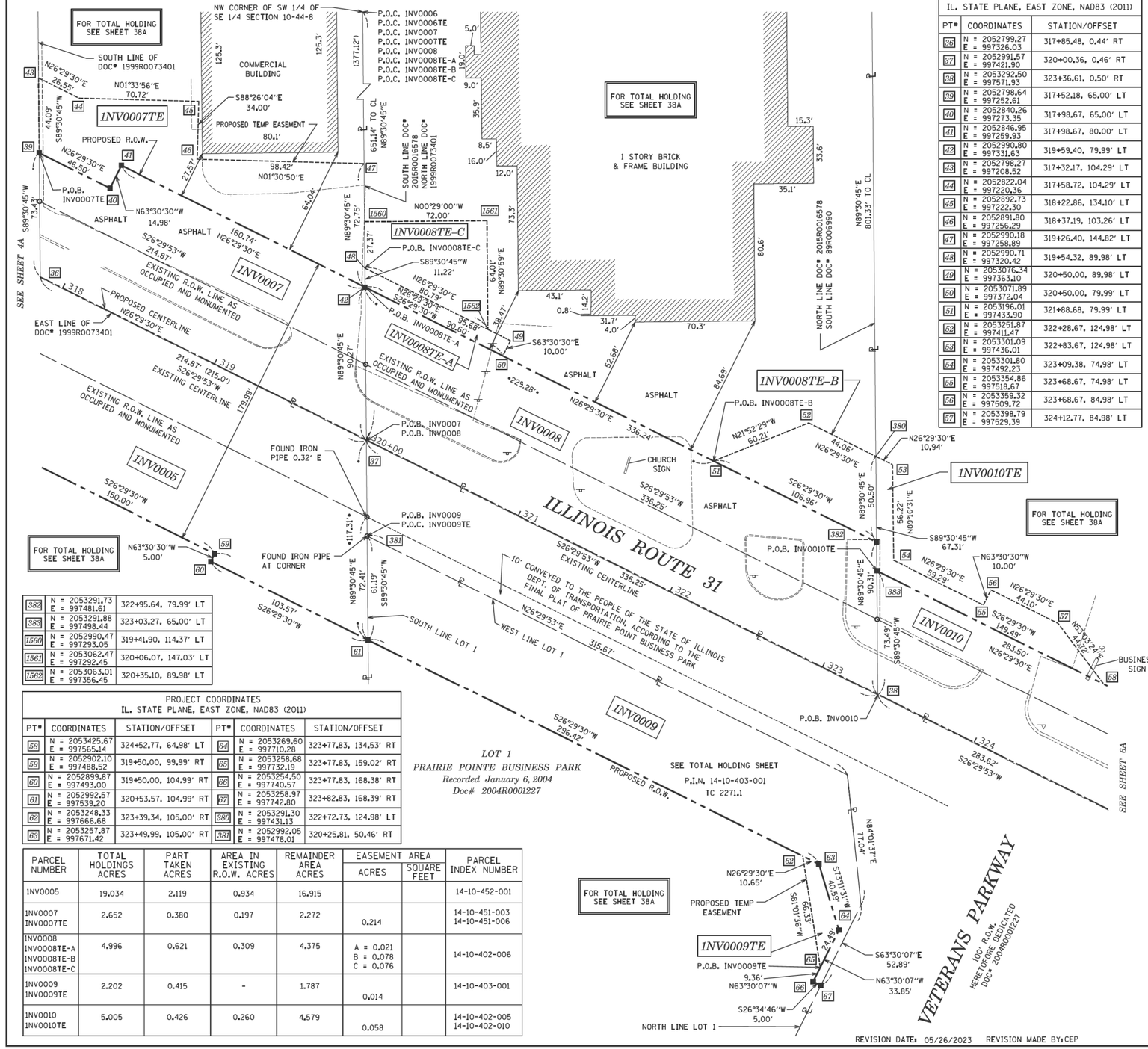
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	518
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SE 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.


FOR TOTAL HOLDING SEE SHEET 38A
NW CORNER OF SW 1/4 OF SE 1/4 SECTION 10-44-8
P.O.C. INV0006
P.O.C. INV0006TE
P.O.C. INV0007
P.O.C. INV0007TE
P.O.C. INV0008
P.O.C. INV0008TE-A
P.O.C. INV0008TE-B
P.O.C. INV0008TE-C
SOUTH LINE OF DOC# 1999R0073401
N26°29'30"E 26.55'
N01°33'56"E 70.72'
1NV0007TE
S89°30'45"W 44.09'
S88°26'04"E 34.00'
PROPOSED TEMP EASEMENT 80.1'
PROPOSED R.O.W.
N26°29'30"E 46.50'
P.O.B. INV0007TE
N63°30'30"W 14.98'
ASPHALT
COMMERCIAL BUILDING
125.3'
(377.12')
651.14' TO CL
N89°30'45"E
SOUTH LINE DOC# 2015R0016578
NORTH LINE DOC# 1999R0073401
98.42'
N01°30'50"E
215.7'
64.04'
160.74'
N26°29'30"E
S26°29'53"W 214.87'
EXISTING R.O.W. LINE AS OCCUPIED AND MONUMENTED
1NV0007
1NV0005
1NV0008
1NV0009
1NV0010
SEE SHEET 4A
EAST LINE OF DOC# 1999R0073401
PROPOSED CENTERLINE
N26°29'30"E
318'
319'
214.87' (215.0')
S26°29'53"W
EXISTING CENTERLINE
179.99'
S26°29'30"W 150.00'
FOUND IRON PIPE 0.32' E
FOUND IRON PIPE AT CORNER
N63°30'30"W 5.00'
320+00
+117.31'
61.19'
N89°30'45"E 72.41'
S89°30'45"W
103.57'
S26°29'30"W
SOUTH LINE LOT 1
WEST LINE LOT 1
N26°29'53"E 315.67'
10' CONVEYED TO THE PEOPLE OF THE STATE OF ILLINOIS DEPT. OF TRANSPORTATION, ACCORDING TO THE FINAL PLAT OF PRAIRIE POINT BUSINESS PARK
ILLINOIS ROUTE 31
EXISTING CENTERLINE
S26°29'53"W 336.25'
321
322
323
324
1NV0008TE-C
P.O.B. INV0008TE-C
S89°30'45"W 11.22'
N26°29'30"E 80.19'
S26°29'30"W 90.62'
P.O.B. INV0008TE-A
1NV0008TE-A
EXISTING R.O.W. LINE AS OCCUPIED AND MONUMENTED
N89°30'45"E 90.27'
N89°30'45"E 72.75'
N00°29'00"W 72.00'
27.37'
64.01'
N89°30'59"E
73.3'
38.47'
S63°30'30"E 10.00'
95.68'
•229.28'
P.O.B. INV0007
P.O.B. INV0008
P.O.B. INV0009
P.O.C. INV0009TE
1560
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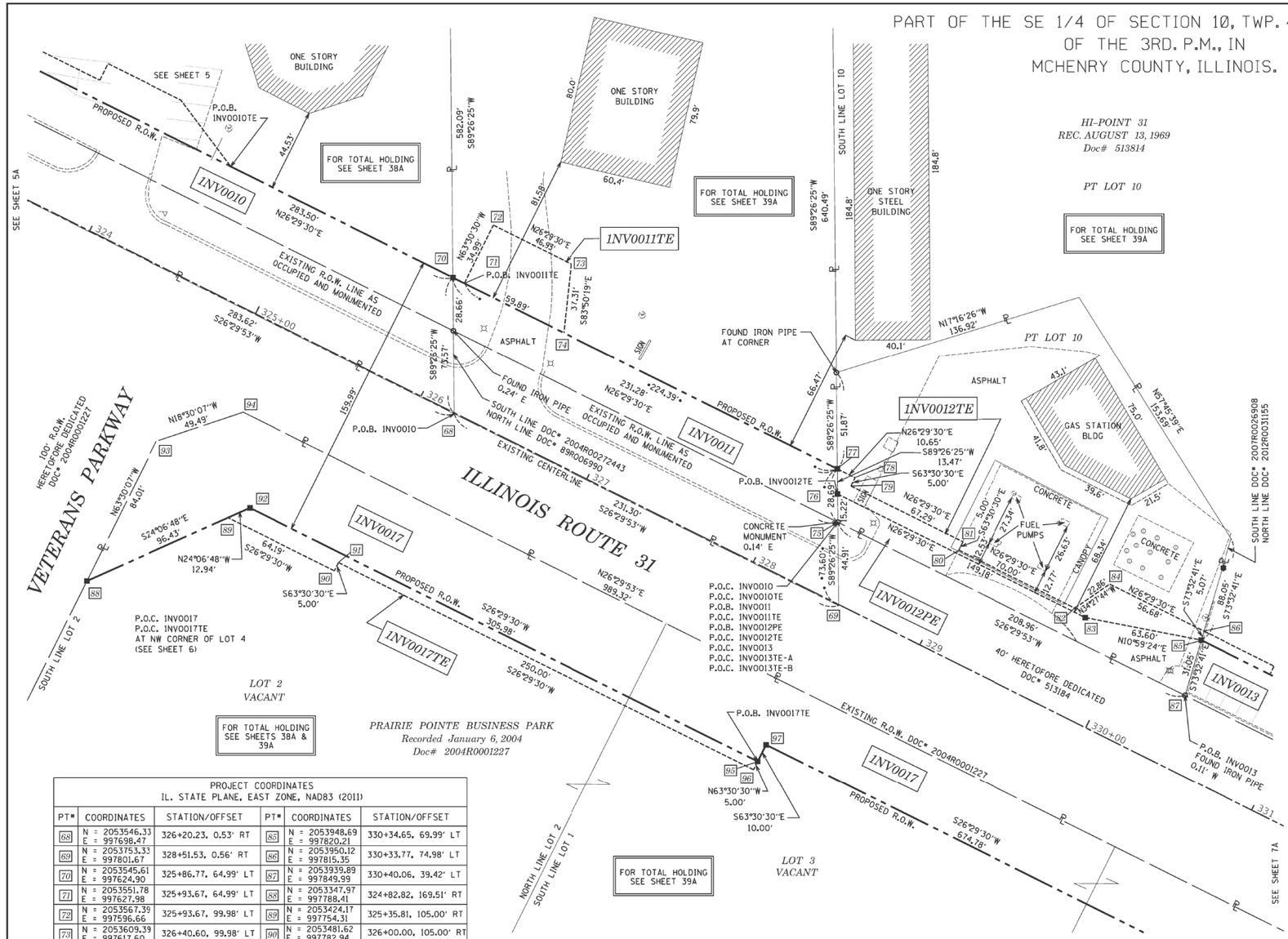
PART OF THE SE 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



HI-POINT 31
REC. AUGUST 13, 1969
Doc# 513814

PRAIRIE POINTE BUSINESS PARK
Recorded January 6, 2004
Doc# 2004R0001227

FOR TOTAL HOLDING SEE SHEETS 38A & 39A

FOR TOTAL HOLDING SEE SHEET 39A

LEGEND

SECTION CORNER — QUARTER SECTION CORNER — GRAPHIC SCALE FEET 0 30' — SCALE: 1"= 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.32' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 6671O1.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999943109.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2020.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/22

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PROJECT COORDINATES
IL. STATE PLANE, EAST ZONE, NAD83 (2011)

PT*	COORDINATES	STATION/OFFSET	PT*	COORDINATES	STATION/OFFSET
68	N = 2053546.33 E = 997698.47	326+20.23, 0.53' RT	85	N = 2053948.69 E = 997820.21	330+34.65, 69.99' LT
69	N = 2053753.33 E = 997801.67	328+51.53, 0.56' RT	86	N = 2053950.12 E = 997815.35	330+33.77, 74.98' LT
70	N = 2053545.61 E = 997624.90	325+86.77, 64.99' LT	87	N = 2053939.89 E = 997849.99	330+40.06, 39.42' LT
71	N = 2053551.78 E = 997627.98	325+93.67, 64.99' LT	88	N = 2053347.97 E = 997788.41	324+82.82, 169.51' RT
72	N = 2053567.39 E = 997596.66	325+93.67, 99.98' LT	89	N = 2053424.17 E = 997754.31	325+35.81, 105.00' RT
73	N = 2053609.39 E = 997617.60	326+40.60, 99.98' LT	90	N = 2053481.62 E = 997782.94	326+00.00, 105.00' RT
74	N = 2053605.38 E = 997654.69	326+53.56, 64.99' LT	91	N = 2053483.85 E = 997778.47	326+00.00, 100.00' RT
75	N = 2053752.89 E = 997756.76	328+31.10, 39.44' LT	92	N = 2053435.98 E = 997749.02	325+44.02, 95.00' RT
76	N = 2053752.74 E = 997741.54	328+24.18, 53.00' LT	93	N = 2053385.45 E = 997713.23	324+82.83, 85.51' RT
77	N = 2053752.61 E = 997728.07	328+18.06, 64.99' LT	94	N = 2053432.38 E = 997697.53	325+17.83, 50.52' RT
78	N = 2053762.18 E = 997732.76	328+28.70, 64.99' LT	95	N = 2053709.84 E = 997885.58	328+50.00, 95.00' RT
79	N = 2053759.91 E = 997737.29	328+28.70, 60.00' LT	96	N = 2053707.60 E = 997889.98	328+50.00, 100.00' RT
80	N = 2053817.90 E = 997771.78	328+95.99, 55.00' LT	97	N = 2053714.29 E = 997876.56	328+50.00, 85.00' RT
81	N = 2053820.13 E = 997767.30	328+95.99, 60.00' LT			
82	N = 2053880.55 E = 997803.00	329+65.99, 55.00' LT			
83	N = 2053886.25 E = 997808.08	329+73.36, 53.00' LT			
84	N = 2053899.39 E = 997790.07	329+77.08, 74.98' LT			

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0010 1NV0010TE	5.005	0.426	0.260	4.579	0.058		14-10-402-005 14-10-402-010
1NV0011 1NV0011TE	2.997	0.348	0.212	2.649	0.043		14-10-402-004
1NV0012PE 1NV0012TE	0.637	-	-	0.637	PE=0.078 TE=0.036		14-10-402-008
1NV0017 1NV0017TE	9.781	0.939	-	8.842	0.043		14-10-404-001 14-10-404-002 14-10-427-001 14-10-427-002

REVISION DATE: 07/28/2021 REVISION MADE BY: CEP
REVISION DATE: 03/03/2023 REVISION MADE BY: JPS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 11:12 am, Mar 07, 2023

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 323+50 TO STA. 331+00
SCALE: 1" = 30' SHEET 6A OF 52A SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
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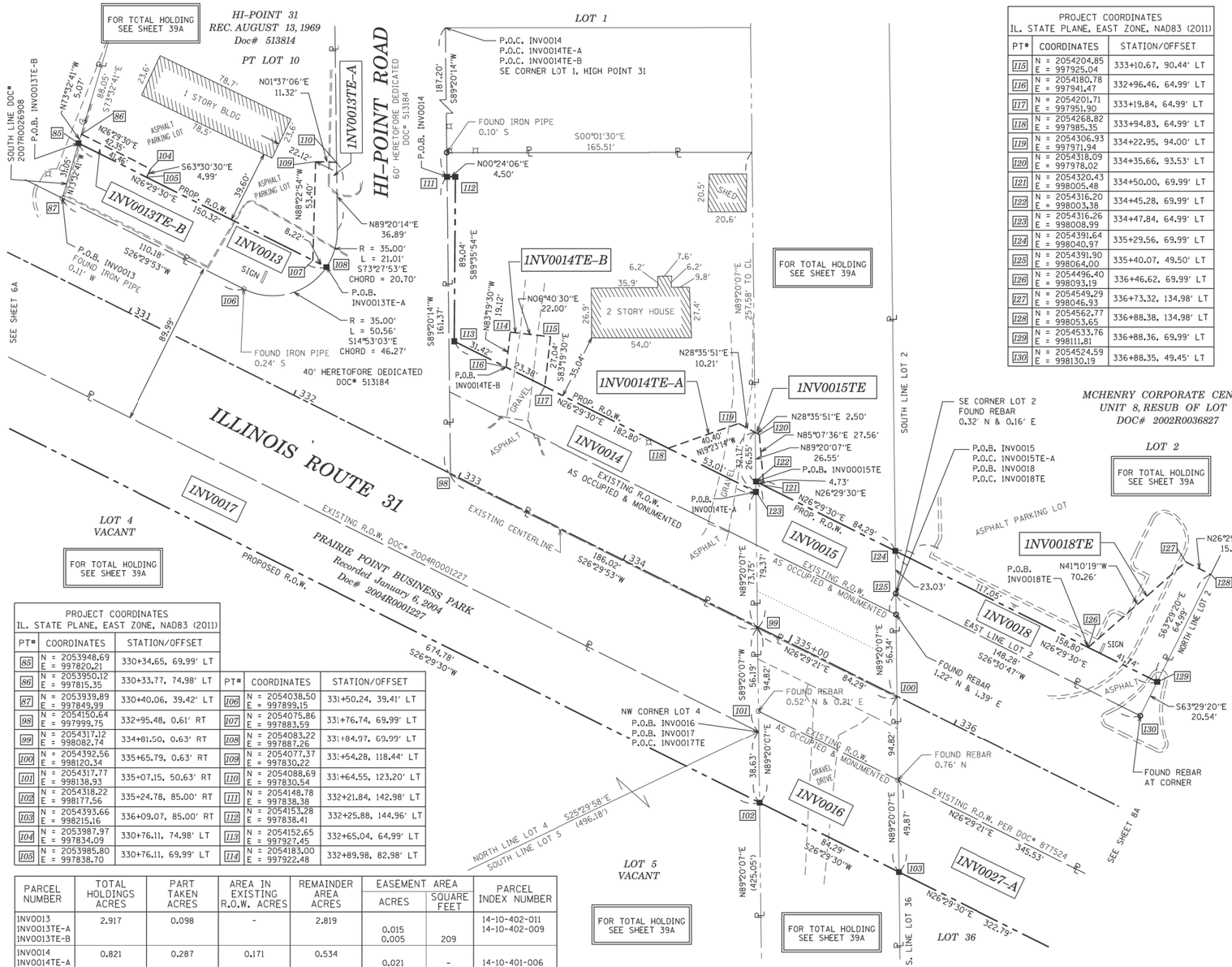
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	520
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE NE 1/4 & SE 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



PROJECT COORDINATES IL. STATE PLANE, EAST ZONE, NAD83 (2011)		
PT#	COORDINATES	STATION/OFFSET
115	N = 2054204.85 E = 997925.04	333+10.67, 90.44' LT
116	N = 2054180.78 E = 997941.47	332+96.46, 64.99' LT
117	N = 2054201.71 E = 997951.90	333+19.84, 64.99' LT
118	N = 2054268.82 E = 997985.35	333+94.83, 64.99' LT
119	N = 2054306.93 E = 997971.94	334+22.95, 94.00' LT
120	N = 2054318.09 E = 997978.02	334+35.66, 93.53' LT
121	N = 2054320.43 E = 998005.48	334+50.00, 69.99' LT
122	N = 2054316.20 E = 998003.38	334+45.28, 69.99' LT
123	N = 2054316.26 E = 998008.99	334+47.84, 64.99' LT
124	N = 2054391.64 E = 998040.97	335+29.56, 69.99' LT
125	N = 2054391.90 E = 998064.00	335+40.07, 49.50' LT
126	N = 2054496.40 E = 998093.19	336+46.62, 69.99' LT
127	N = 2054549.29 E = 998046.93	336+73.32, 134.98' LT
128	N = 2054562.77 E = 998053.65	336+88.38, 134.98' LT
129	N = 2054533.76 E = 998111.81	336+88.36, 69.99' LT
130	N = 2054524.59 E = 998130.19	336+88.35, 49.45' LT

PROJECT COORDINATES IL. STATE PLANE, EAST ZONE, NAD83 (2011)		
PT#	COORDINATES	STATION/OFFSET
85	N = 2053948.69 E = 997820.21	330+34.65, 69.99' LT
86	N = 2053950.12 E = 997815.35	330+33.77, 74.98' LT
87	N = 2053939.89 E = 997849.99	330+40.06, 39.42' LT
98	N = 2054150.64 E = 997999.75	332+95.48, 0.61' RT
99	N = 2054317.12 E = 998082.74	334+81.50, 0.63' RT
100	N = 2054392.56 E = 998120.34	335+65.79, 0.63' RT
101	N = 2054317.77 E = 998138.93	335+07.15, 50.63' RT
102	N = 2054318.22 E = 998177.56	335+24.78, 85.00' RT
103	N = 2054393.66 E = 998215.16	336+09.07, 85.00' RT
104	N = 2053987.97 E = 997834.09	330+76.11, 74.98' LT
105	N = 2053985.80 E = 997838.70	330+76.11, 69.99' LT
106	N = 2054038.50 E = 997899.15	331+50.24, 39.41' LT
107	N = 2054075.86 E = 997883.59	331+76.74, 69.99' RT
108	N = 2054083.22 E = 997887.26	331+84.97, 69.99' RT
109	N = 2054077.37 E = 997830.22	331+54.28, 118.44' LT
110	N = 2054088.69 E = 997830.54	331+64.55, 123.20' LT
111	N = 2054148.78 E = 997838.38	332+21.84, 142.98' LT
112	N = 2054153.28 E = 997838.41	332+25.88, 144.96' LT
113	N = 2054152.65 E = 997927.45	332+65.04, 64.99' LT
114	N = 2054183.00 E = 997922.48	332+89.98, 82.98' LT

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0013 1NV0013TE-A 1NV0013TE-B	2.917	0.098	-	2.819	0.015 0.005	209	14-10-402-011 14-10-402-009
1NV0014 1NV0014TE-A 1NV0014TE-B	0.821	0.287	0.171	0.534	0.021 0.012	-	14-10-401-006
1NV0015 1NV0015TE	2.657	0.137	0.077	2.520	0.002	85	14-10-200-002
1NV0016	4.845	0.163	0.077	4.682	-	-	14-10-200-008 14-11-100-010 14-11-152-019
1NV0017 1NV0017TE	9.781	0.939	-	8.842	0.043		14-10-404-001 14-10-404-002 14-10-427-001 14-10-427-002
1NV0018 1NV0018TE	2.802	0.072	-	2.730	0.042		14-10-253-019

LEGEND

SECTION CORNER — QUARTER SECTION CORNER — GRAPHIC SCALE FEET 0 30' — SCALE: 1"= 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- P — PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.33' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.33') RECORDED DIMENSION
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999943109.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2020.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/22

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

REVISION DATE:07/1/2021 REVISION MADE BY:JPS

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 331+00 TO STA. 337+00
SCALE: 1" = 30' SHEET 7A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By corearnom at 12:46 pm, Jul 30, 2021

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

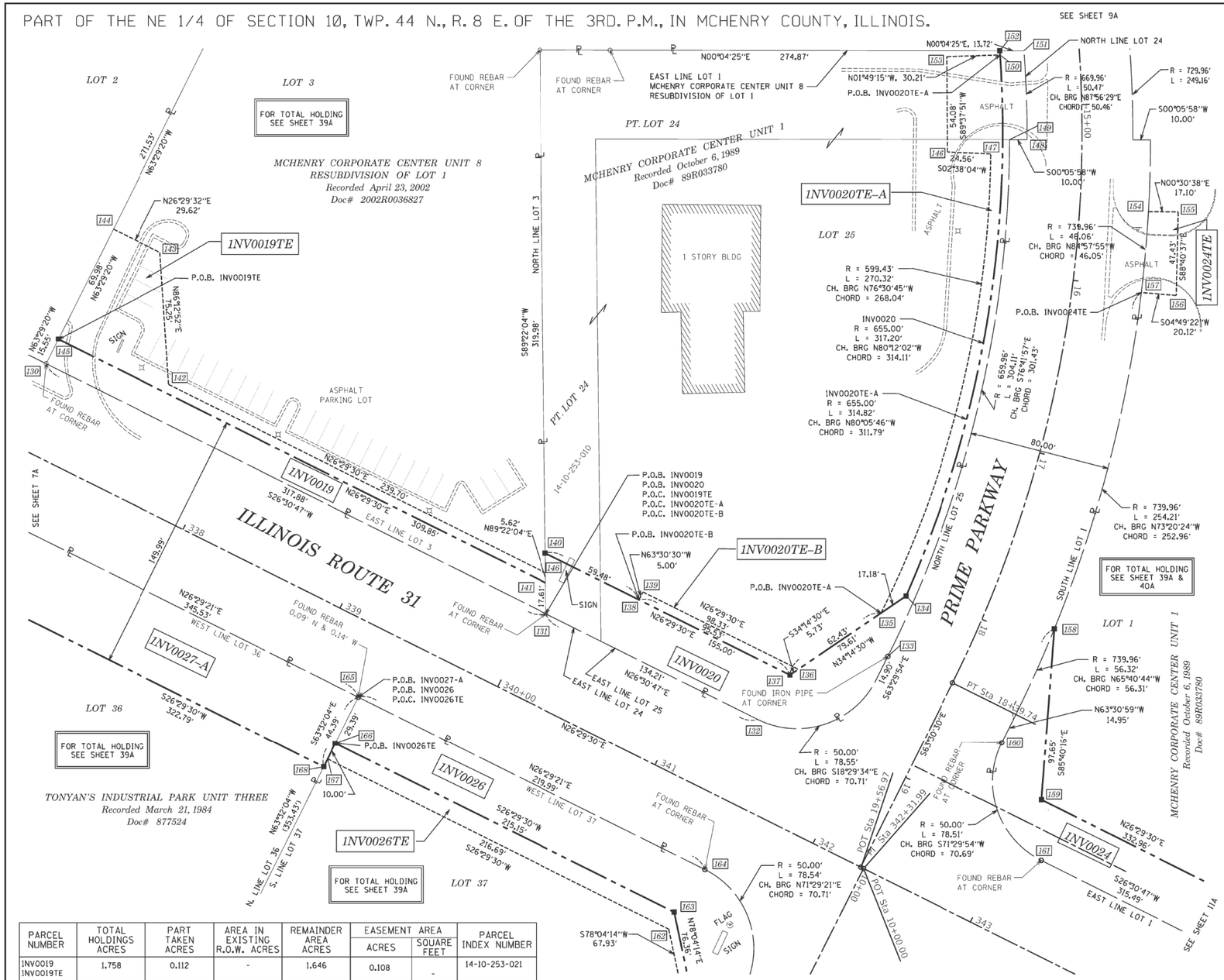
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	521
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: pw:\\quartf.ccc-pw.bentley.com:quartf-ccc-pw-07\Documents\IDOT\22177.01\12 Design\12.3 CADD\SHEETS\C1-SHT-ROW-NORTH-07.dgn

PART OF THE NE 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0019 1NV0019TE	1.758	0.112	-	1.646	0.108	-	14-10-253-021
1NV0020 1NV0020TE-A 1NV0020TE-B	2.020	0.207	-	1.813	0.082 0.011	-	14-10-253-007 14-10-253-010
1NV0024 1NV0024TE	36.890	0.282	-	36.608	0.020	-	14-10-252-003 14-10-252-001 14-10-201-009 14-10-252-002 14-10-227-009 14-10-202-002
1NV0026 1NV0026TE	2.129	0.257	-	1.872	0.081		14-10-277-001
1NV0027-A 1NV0027-B 1NV0027TE	4.023	0.341 0.023	-	3.659	0.014	-	14-10-277-002 14-10-277-003

SEE SHEET 50 FOR STATIONS, OFFSETS AND COORDINATES

REVISION DATE:02/15/2023 REVISION MADE BY: JPS

LEGEND

GRAPHIC SCALE FEET
0 10'
SCALE: 1"= 30'

SECTION CORNER
16 15 QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- P PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999943109.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS 15TH DAY OF FEBRUARY 2023.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/24

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 336+88.35 TO STA. 343+20.44
SCALE: 1" = 30' SHEET 8A OF 52A SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

APPROVED
By Miguel.Corearno at 9:22 am, Mar 07, 2023

USER NAME = bwitort	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/3/2024	DATE -	REVISED -

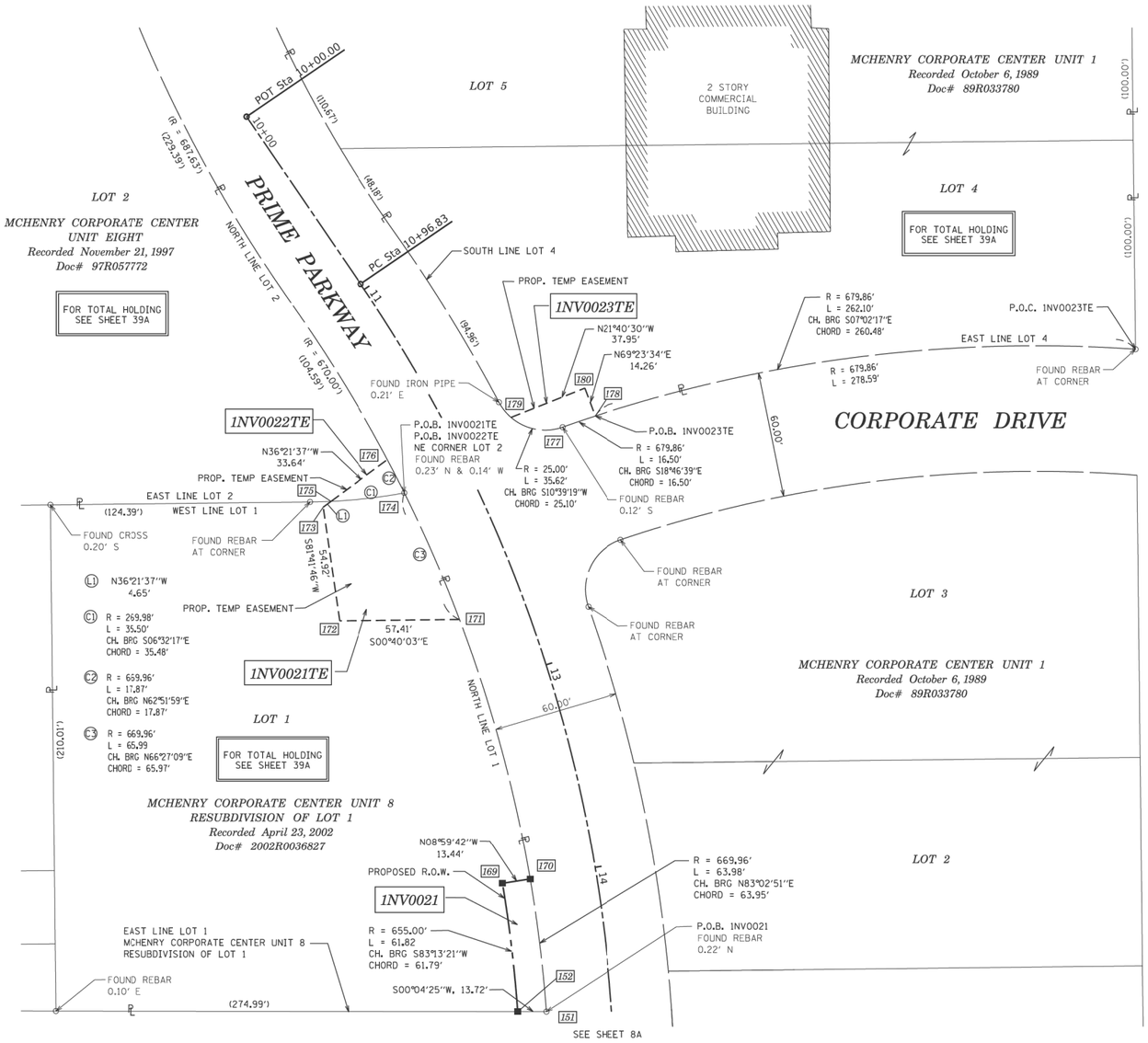
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	522
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\pathfinder.eeiweb.com:pathfinder-pw\Documents\IDOT\22177.01\12_Design\12.3_CADD\SHEETS\C1-SHT-ROW-NORTH-08.dgn

PART OF THE NE 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET
0 30'
SCALE: 1"= 30'

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
P / APL	PROPERTY (DEED) LINE / APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
129.33'	MEASURED DIMENSION
129.33' (COMP)	COMPUTED DIMENSION
(129.33')	RECORDED DIMENSION
	EXISTING BUILDING

o	IRON PIPE OR ROD FOUND	⊕	"MAG" NAIL SET
+	CUT CROSS FOUND OR SET	●	5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999943109.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2020.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/22

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0021 1NV0021TE	1.184	0.020	-	1.164	0.066	-	14-10-253-016
1NV0022TE	3.740	-	-	3.740	0.007	311	14-10-253-014
1NV0023TE	1.801	-	-	1.801	0.010	429	14-10-251-008

SEE SHEET 50A FOR STATIONS, OFFSETS AND COORDINATES

REVISION DATE: 07/1/2021 REVISION MADE BY: JPS

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 10+00 TO STA. 14+70
SCALE: 1" = 30' SHEET 9A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 12:46 pm, Jul 30, 2021

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

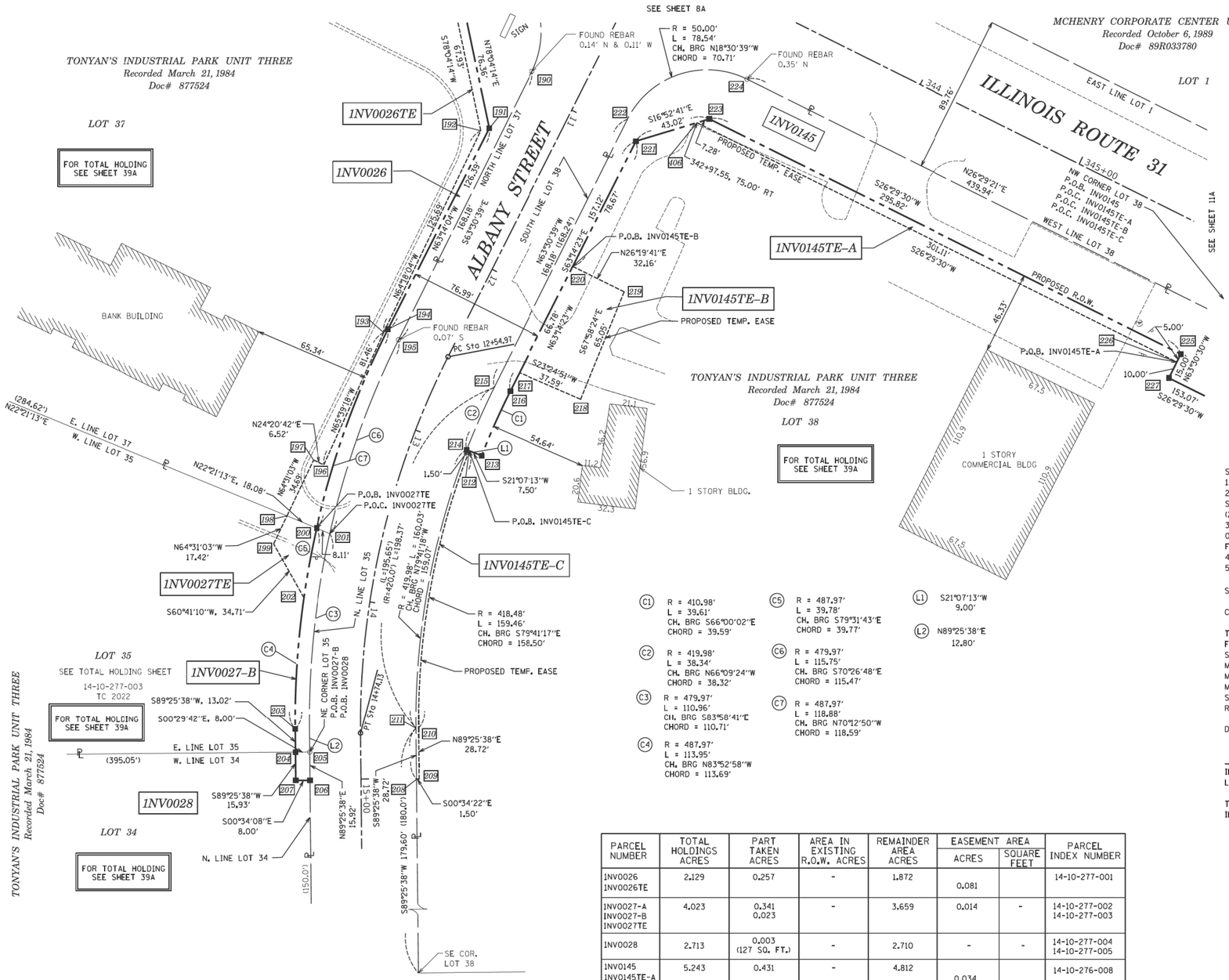
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	523
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: pw:\\ioatfile:ico-pw.bentley.com:ioatfile-ico-pw-07\Documents\IDOT\22177.01\91-Design\12-3 CADD\SHEETS\C1-SHT-ROW-NORTH-09.dgn

PART OF THE NE 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



SEE SHEET 50A FOR STATIONS, OFFSETS AND COORDINATES

(C1) R = 410.98'
L = 39.61'
CH. BRG S66°00'02"E
CHORD = 39.59'

(C2) R = 419.98'
L = 38.34'
CH. BRG N66°09'24"W
CHORD = 38.32'

(C3) R = 479.97'
L = 110.96'
CH. BRG S83°58'41"E
CHORD = 110.71'

(C4) R = 487.97'
L = 113.95'
CH. BRG N83°52'58"W
CHORD = 113.69'

(C5) R = 487.97'
L = 39.78'
CH. BRG S79°31'43"E
CHORD = 39.77'

(C6) R = 479.97'
L = 115.75'
CH. BRG S70°26'48"E
CHORD = 115.47'

(C7) R = 487.97'
L = 118.88'
CH. BRG N70°12'50"W
CHORD = 118.59'

(L1) S21°07'13"W
9.00'

(L2) N89°25'38"E
12.80'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0026 1NV0026TE	2.129	0.257	-	1.872	0.081		14-10-277-001
1NV0027-A 1NV0027-B 1NV0027TE	4.023	0.341 0.023	-	3.659	0.014	-	14-10-277-002 14-10-277-003
1NV0028	2.713	0.003 (127 SQ. FT.)	-	2.710	-	-	14-10-277-004 14-10-277-005
1NV0145 1NV0145TE-A 1NV0145TE-B 1NV0145TE-C	5.243	0.431	-	4.812	0.034 0.053 0.006	 283	14-10-276-008

LEGEND

GRAPHIC SCALE FEET
0 30'
SCALE: 1"= 30'

SECTION CORNER
QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION (129.32')
- COMPUTED DIMENSION (129.32' (COMP))
- RECORDED DIMENSION ((129.32'))
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2022.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/22

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 000+00.00 TO STA. 000+00.00
SCALE: 1" = 30' SHEET 10A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Correano at 9:51 am, Jan 21, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: 08/22/2022 REVISION MADE BY: JLS
REVISION DATE: 07/1/2021 REVISION MADE BY: JPS

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

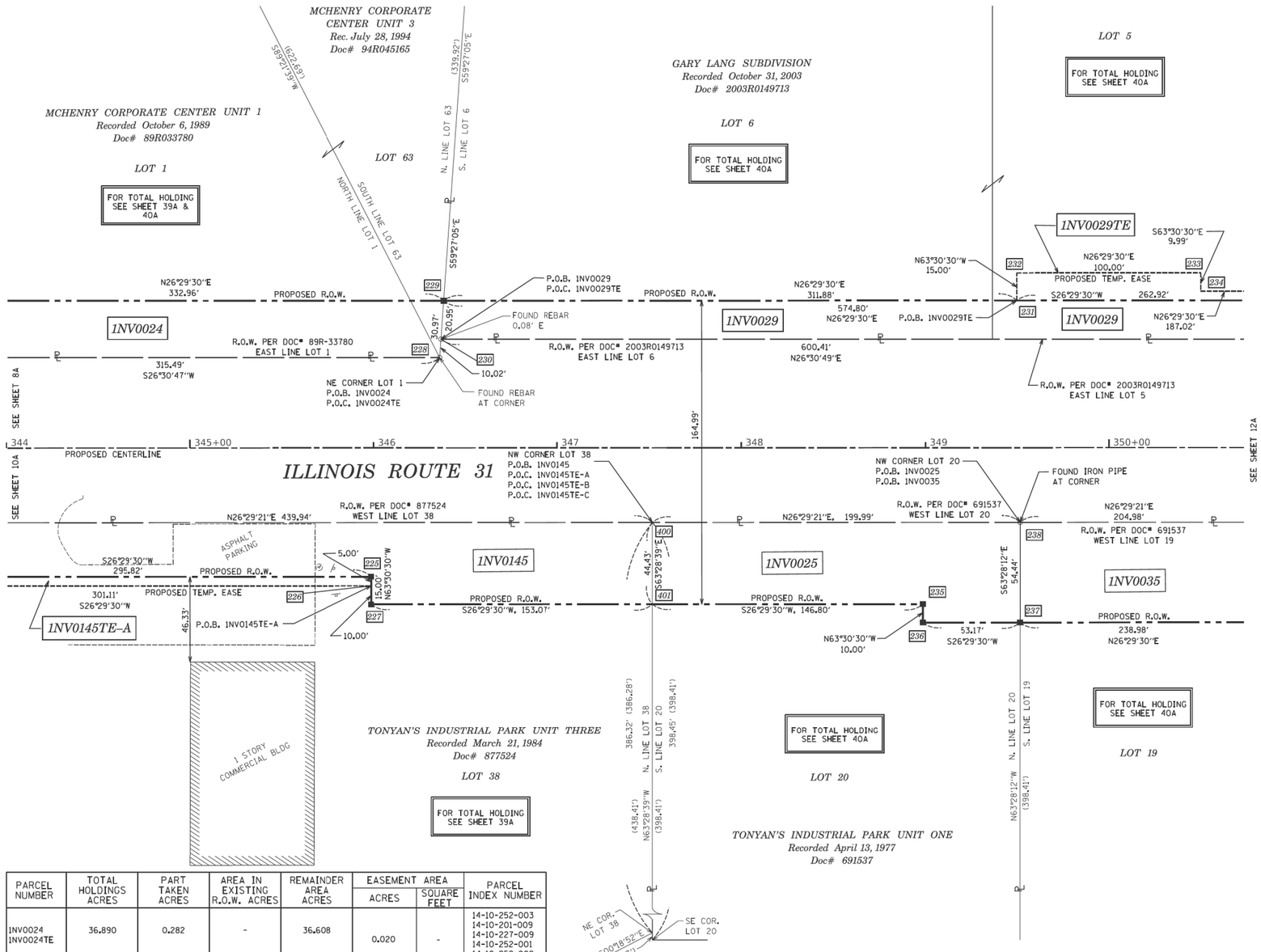
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	524
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: pw:\\uslatf.bcc.pw.bentley.com:pat-tt-bcc-pw-07\Documents\IDOT\22177.01\12 Design\12.3 CADD\SHEETS\C1-SHT-ROW-NORTH-10.dgn

PART OF THE NE 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0024 1NV0024TE	36.890	0.282	-	36.608	0.020	-	14-10-252-003 14-10-201-009 14-10-227-009 14-10-252-001 14-10-252-002 14-10-202-002
1NV0025	1.840	0.216	-	1.624			14-10-276-002
1NV0029 1NV0029TE-A 1NV0029TE-B	20.426	0.511	-	19.915	A=0.088 B=0.160		14-10-227-010 14-10-227-013 14-10-227-011 14-10-227-014 14-10-227-012 14-10-227-015
1NV0035	4.901	0.308	-	4.593	-		14-10-276-001 14-10-276-014 14-10-276-003
1NV0145 1NV0145TE-A 1NV0145TE-B 1NV0145TE-C	5.243	0.431	-	4.812	0.034 0.053 0.006	283	14-10-276-008

SEE SHEET 50A FOR STATIONS, OFFSETS AND COORDINATES

REVISION DATE:06/19/2023 REVISION MADE BY:CEP
REVISION DATE:08/16/2022 REVISION MADE BY:JLS
REVISION DATE:07/1/2021 REVISION MADE BY:JPS

LEGEND

SECTION CORNER (9 10 16 15) — QUARTER SECTION CORNER (16 15)

GRAPHIC SCALE FEET (0 30) SCALE: 1"= 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE (AC)
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◐ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
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STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2022.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/22

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 344+00.00 TO STA. 350+70.00
SCALE: 1" = 30' SHEET 11A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 9:51 am, Jan 21, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

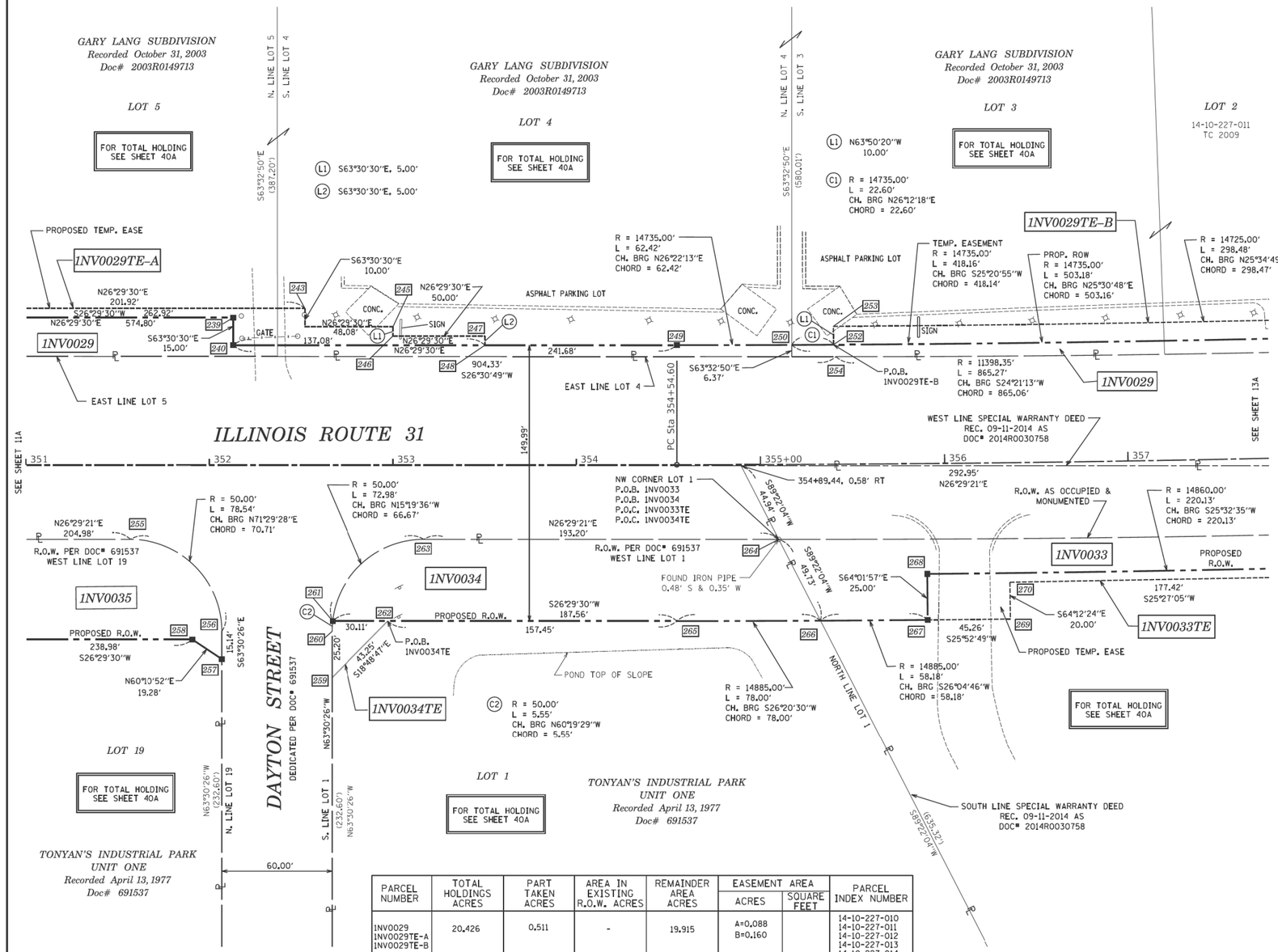
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	525
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: pw:\\opaltfs\cos-pw.bentley.com:opaltfs-cos-pw-07\Documents\IDOT\22177.01\Plat Design\12-3 CADD\SHEETS\C1-SHT-ROW-NORTH-11.dgn

PART OF THE NE 1/4 OF SECTION 10, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0029 1NV0029TE-A 1NV0029TE-B	20.426	0.511	-	19.915	A=0.088 B=0.160		14-10-227-010 14-10-227-011 14-10-227-012 14-10-227-013 14-10-227-014 14-10-227-015
1NV0033 1NV0033TE	5.585	0.425	0.264	5.160	0.046		14-10-200-009 14-11-100-019
1NV0034 1NV0034TE	5.758	0.247	-	5.511	0.011		14-10-226-001 14-11-101-001 14-11-101-002
1NV0035	4.901	0.308	-	4.593	-		14-10-276-001 14-10-276-003 14-10-276-014

SEE SHEET 50A FOR STATIONS, OFFSETS AND COORDINATES

REVISION DATE:06/08/2023 REVISION MADE BY: MGS

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET 0 30

SCALE: 1"= 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999943109.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2023.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/24

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 351+00.00 TO STA. 358+00.00
SCALE: 1" = 30' SHEET 12A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Corsano at 7:45 am, Jun 13, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
FILE NAME: pw:\\pathfinder-pw.bentley.com:pathfinder-pw-07\Documents\DOT\221770\10\12_Design\12.3_CADD\SHEETS\C1-SHT-ROW-NORTH-12.dgn

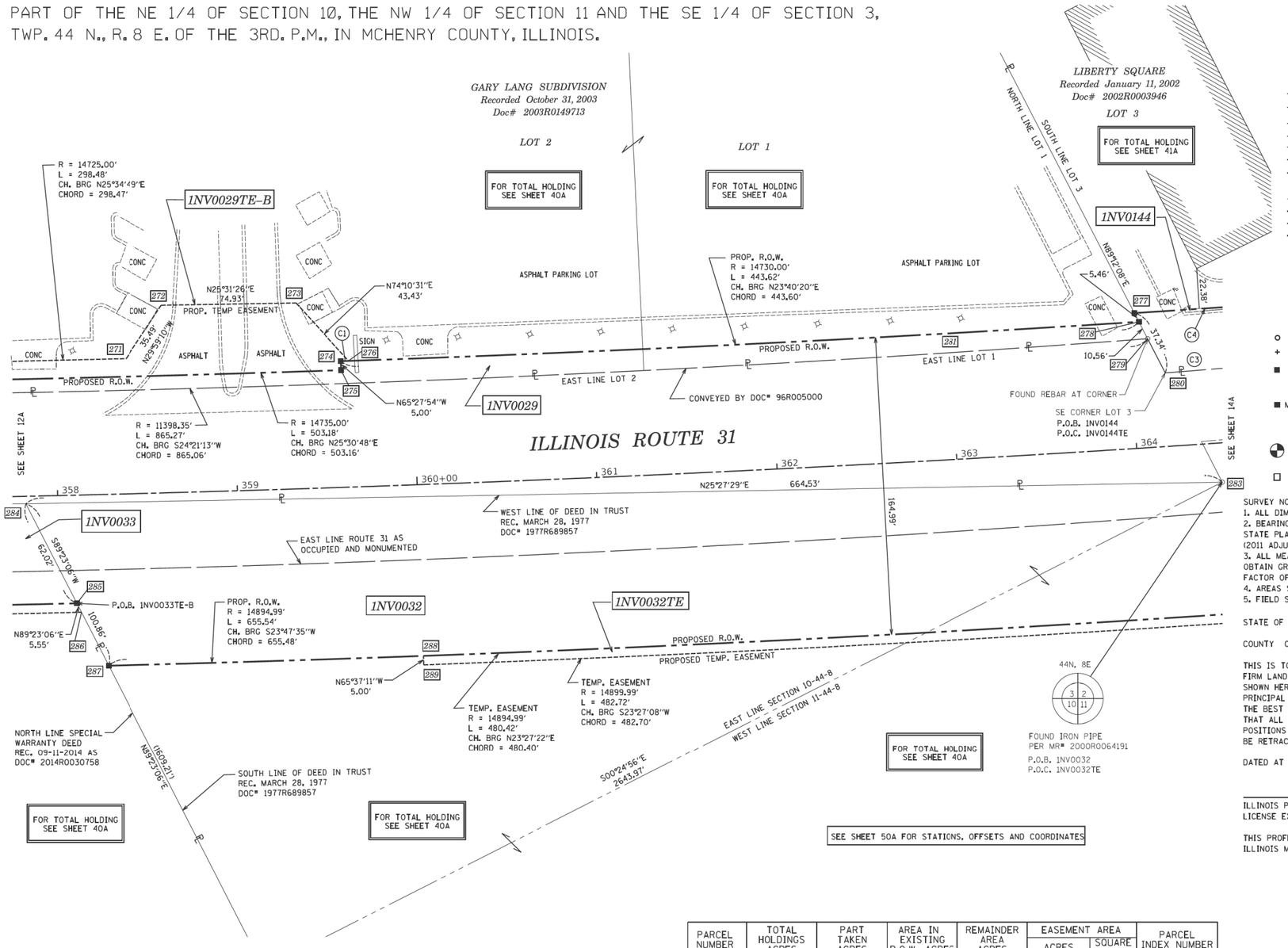
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	526
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

PART OF THE NE 1/4 OF SECTION 10, THE NW 1/4 OF SECTION 11 AND THE SE 1/4 OF SECTION 3, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



(C1) TEMP. EASEMENT
R = 14730.00'
L = 4.25'
CH. BRG S24°31'37"W
CHORD = 4.25'

(C3) EXIST. R.O.W.
R = 11418.35'
L = 183.72'
CH. BRG S21°30'41"W
CHORD = 183.72'

(C4) PROP. R.O.W.
R = 14725.00'
L = 185.00'
CH. BRG S22°27'29"W
CHORD = 185.00'

LEGEND

SECTION CORNER — QUARTER SECTION CORNER — GRAPHIC SCALE FEET 0 30 — SCALE: 1"= 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE (AC)
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- o IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
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- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3, 10 AND 11 IN TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2023.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/24

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0029 1NV0029TE-A 1NV0029TE-B	20.426	0.511	-	19.915	A=0.088 B=0.160		14-10-227-010 14-10-227-011 14-10-227-012 14-10-227-013 14-10-227-014 14-10-227-015
1NV0032 1NV0032TE	20.030	1.273	0.456	18.757	0.055		14-10-200-004 14-11-100-001
1NV0033 1NV0033TE	5.585	0.425	0.264	5.160	0.046		14-10-200-009 14-11-100-019
1NV0144 1NV0144TE	0.967	0.140	-	0.827	0.010		14-03-476-010

REVISION DATE: 05/24/2023 REVISION MADE BY: CEP

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 358+00.00 TO STA. 364+50.00
SCALE: 1" = 30' SHEET 13A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Corearo at 7:45 am, Jan 13, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
FILE NAME: pw:\\splatt\cc-pw.bentley.com:splatt-kkc-pw-07\Documents\IDOT\22177.01\912_Design\12.3_CADD\SHEETS\C1-SHT-ROW-NORTH-13.dgn

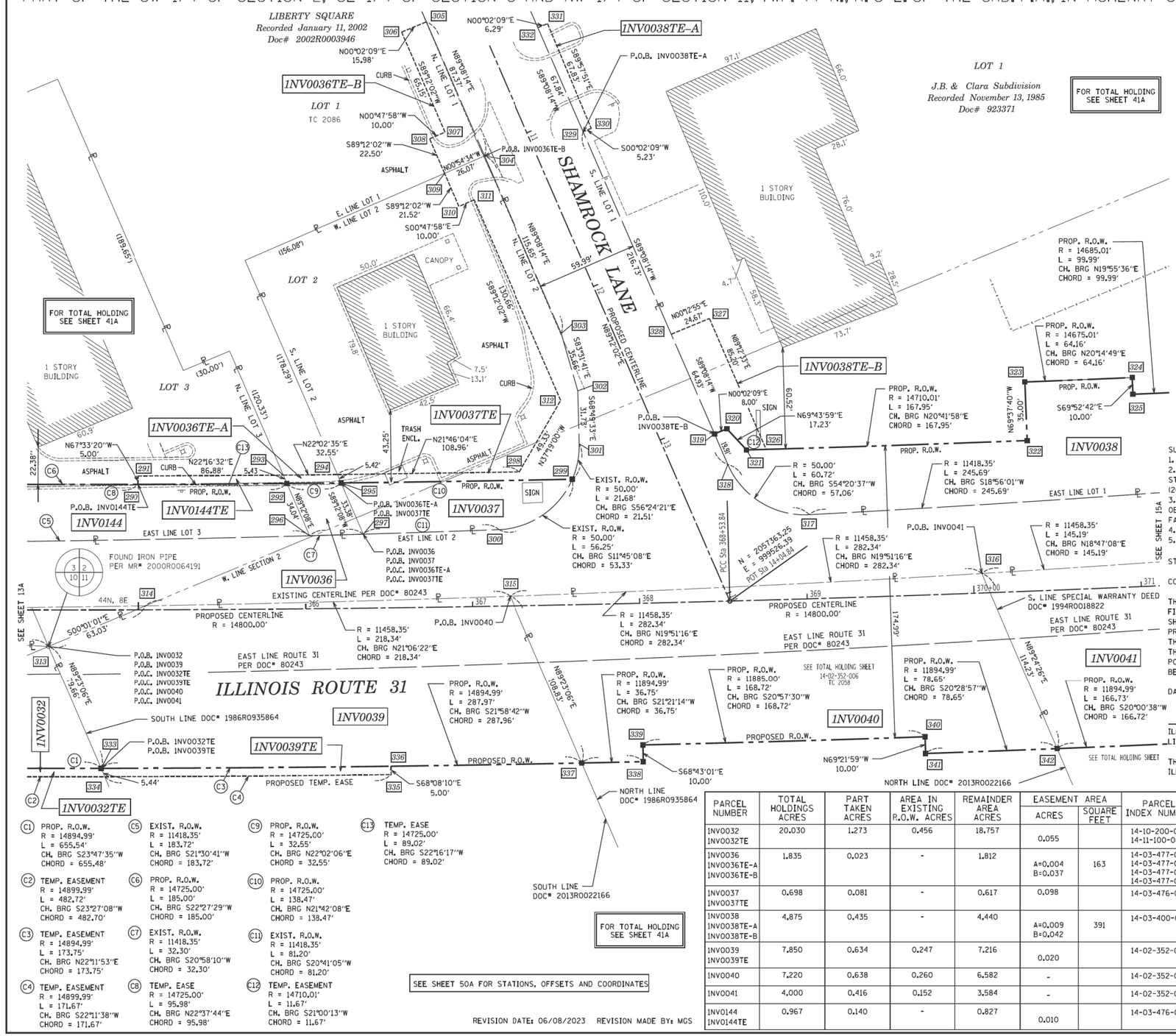
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	527
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SW 1/4 OF SECTION 2, SE 1/4 OF SECTION 3 AND NW 1/4 OF SECTION 11, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- GRAPHIC SCALE FEET (0, 30') SCALE: 1"= 30'
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

C1 PROP. R.O.W. R = 14894.99' L = 655.54' CH. BRG S23°47'35"W CHORD = 655.48'

C2 TEMP. EASEMENT R = 14899.99' L = 482.72' CH. BRG S23°27'08"W CHORD = 482.70'

C3 TEMP. EASEMENT R = 14894.99' L = 173.75' CH. BRG N22°11'53"E CHORD = 173.75'

C4 TEMP. EASEMENT R = 14899.99' L = 171.67' CH. BRG S22°11'38"W CHORD = 171.67'

C5 EXIST. R.O.W. R = 11418.35' L = 183.72' CH. BRG S21°30'41"W CHORD = 183.72'

C6 PROP. R.O.W. R = 14725.00' L = 185.00' CH. BRG S22°27'29"W CHORD = 185.00'

C7 EXIST. R.O.W. R = 11418.35' L = 32.30' CH. BRG S20°58'10"W CHORD = 32.30'

C8 TEMP. EASE R = 14725.00' L = 95.98' CH. BRG N22°37'44"E CHORD = 95.98'

C9 PROP. R.O.W. R = 14725.00' L = 32.55' CH. BRG N22°02'06"E CHORD = 32.55'

C10 PROP. R.O.W. R = 14725.00' L = 138.47' CH. BRG N21°42'08"E CHORD = 138.47'

C11 EXIST. R.O.W. R = 11418.35' L = 81.20' CH. BRG S20°41'05"W CHORD = 81.20'

C12 TEMP. EASEMENT R = 14710.01' L = 11.67' CH. BRG S21°00'13"W CHORD = 11.67'

C13 TEMP. EASE R = 14725.00' L = 89.02' CH. BRG S22°16'17"W CHORD = 89.02'

REVISION DATE: 06/08/2023 REVISION MADE BY: MGS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0032 1NV0032TE	20.030	1.273	0.456	18.757	0.055		14-10-200-004 14-11-100-001
1NV0036 1NV0036TE-A 1NV0036TE-B	1.835	0.023	-	1.812	A=0.004 B=0.037	163	14-03-477-001 14-03-477-002 14-03-477-003 14-03-477-004 14-03-477-005 14-03-477-006 14-03-477-007
1NV0037 1NV0037TE	0.698	0.081	-	0.617	0.098		14-03-476-009
1NV0038 1NV0038TE-A 1NV0038TE-B	4.875	0.435	-	4.440	A=0.009 B=0.042	391	14-03-400-033
1NV0039 1NV0039TE	7.850	0.634	0.247	7.216	0.020		14-02-352-007
1NV0040	7.220	0.638	0.260	6.582	-		14-02-352-006
1NV0041	4.000	0.416	0.152	3.584	-		14-02-352-005
1NV0144 1NV0144TE	0.967	0.140	-	0.827	0.010		14-03-476-010

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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STATE OF ILLINOIS)
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DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2023.

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PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 364+50.00 TO STA. 371+00.00
SCALE: 1" = 30' SHEET 14A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By Miguel.Coreano at 7:45 am, Jan 13, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
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USER NAME = bwitort	DESIGNED -	REVISED -	
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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
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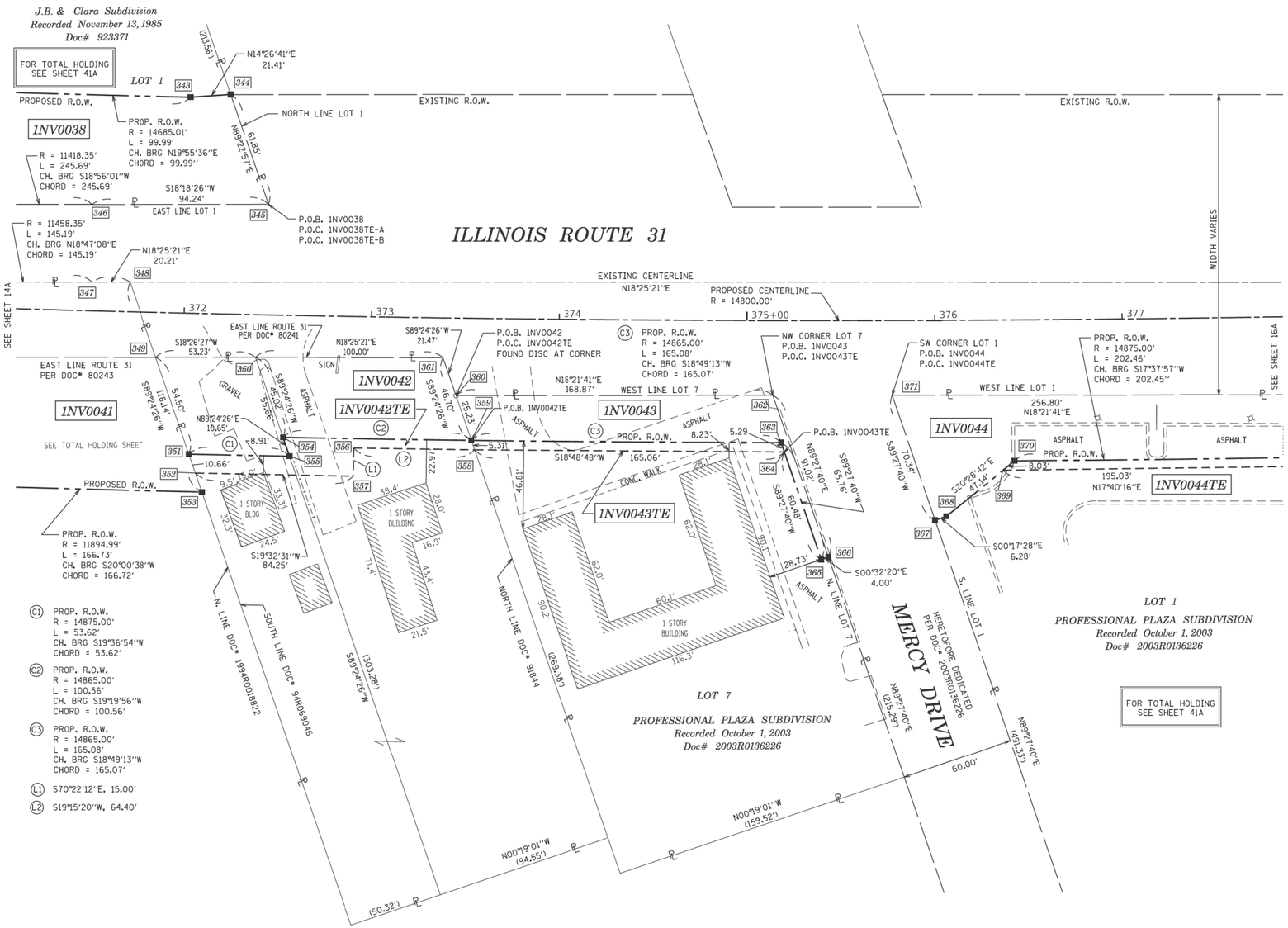
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	528
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: p:\Civil\Excel\wp.zworkfly.com\civil\Excel\wp-07\Documents\IDOT\221717.01\913 Design\12-3 CADD\SHEETS\CL-SHT-ROW-NORTH-14.dgn

PART OF THE SW 1/4 OF SECTION 2, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET 0 30'

SCALE: 1"= 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
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- MEASURED DIMENSION (129.32')
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- RECORDED DIMENSION ((129.32'))
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) SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2020.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/22

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

SEE SHEET 51A FOR STATIONS, OFFSETS AND COORDINATES

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0038 1NV0038TE-A 1NV0038TE-B	4.875	0.435		4.440	A=0.009 B=0.042	391	14-03-400-033
1NV0041	4.000	0.416	0.152	3.584	-		14-02-352-005
1NV0042 1NV0042TE	0.983	0.163	-	0.820	0.035		14-02-352-003 14-02-352-008
1NV0043 1NV0043TE	0.888	0.102	-	0.786	0.019		14-02-352-021
1NV0044 1NV0044TE	3.088	0.222	-	2.866	0.022		14-02-352-014

REVISION DATE: 07/01/2021 REVISION MADE BY: JPS

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 371+00.00 TO STA. 377+90.00
SCALE: 1" = 30' SHEET 15A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 12:46 pm, Jul 30, 2021

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: Default
FILE NAME: pw:\\splatfc:ccc-pw.bentley.com:splatfc-ccc-pw-07\Documents\IDOT\22177.01\912 Dsdlgn\12.3 CADD\SHEETS\C-1-SHT-ROW-NORTH-15.dgn

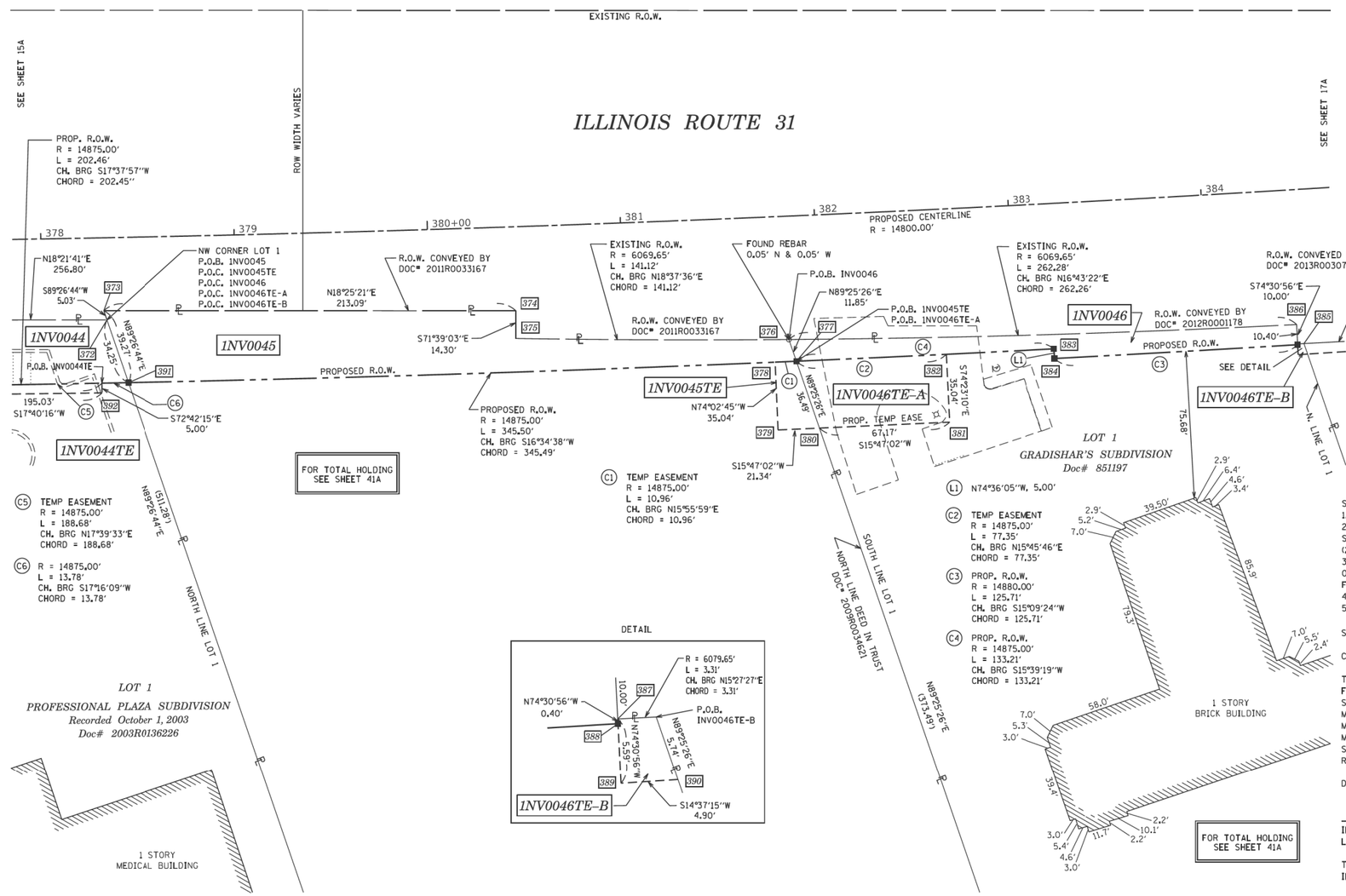
USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	529
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

PART OF THE SW 1/4 OF SECTION 2, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE
FEET
0 30'
SCALE: 1"= 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- 'MAG' NAIL SET
- 5/8" REBAR SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999943109.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2022.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/22

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
1NV0044 1NV0044TE	3.088	0.222	-	2.866	0.022		14-02-352-014
1NV0045 1NV0045TE	5.833	0.211	-	5.622	0.013		14-02-302-013
1NV0046 1NV0046TE-A 1NV0046TE-B	2.118	0.061	-	2.057	A=0.058 B=0.001	23	14-02-302-014

SEE SHEET 51A FOR STATIONS, OFFSETS AND COORDINATES

REVISION DATE: 03/16/2022 REVISION MADE BY: MGS
REVISION DATE: 07/01/2021 REVISION MADE BY: JPS

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 378+00 TO STA. 384+50
SCALE: 1" = 30' SHEET 16A OF 52A SHEETS

IDOT USE ONLY

APPROVED
By coreanom at 2:31 pm, Mar 16, 2022

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

USER NAME = bwitort	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/3/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			835	530
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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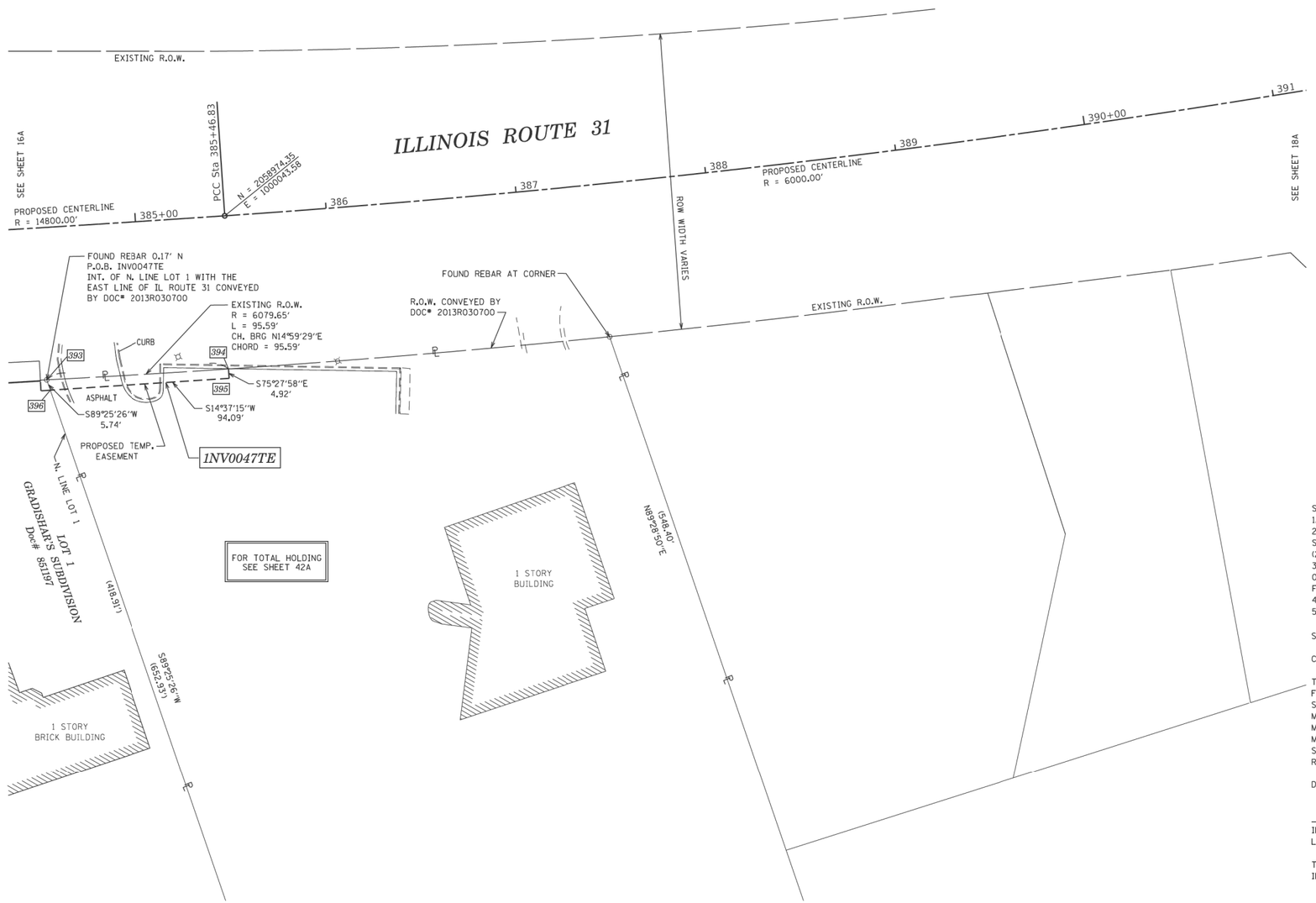
PART OF THE SW 1/4 OF SECTION 2, TWP. 44 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE
FEET
0 30'
SCALE: 1"= 30'

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
P	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
129.32'	MEASURED DIMENSION
129.32' (COMP)	COMPUTED DIMENSION
(129.32')	RECORDED DIMENSION
	EXISTING BUILDING

o	IRON PIPE OR ROD FOUND	⊕	"MAG" NAIL SET
+	CUT CROSS FOUND OR SET	●	5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999943109.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED IN MAY 2020.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 44 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS DAY OF 2020.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3581
LICENSE EXPIRATION DATE: 11/30/22

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MARK G. SCHELLER 035-003581 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SUGAR GROVE, IL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1NV0047TE	3.832	-	-	3.832	0.011		14-02-302-017

SEE SHEET 51A FOR STATIONS, OFFSETS AND COORDINATES

REVISION DATE: 07/01/2021 REVISION MADE BY: JPS

IDOT USE ONLY

APPROVED
By coreanom at 12:46 pm, Jul 30, 2021

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROUTE: IL ROUTE 31

LIMITS: IL 176 TO IL 120 COUNTY: MCHENRY
SECTION: JOB NO.: R-91-013-07
STA. 384+50 TO STA. 391+00
SCALE: 1" = 30' SHEET 17A OF 52A SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

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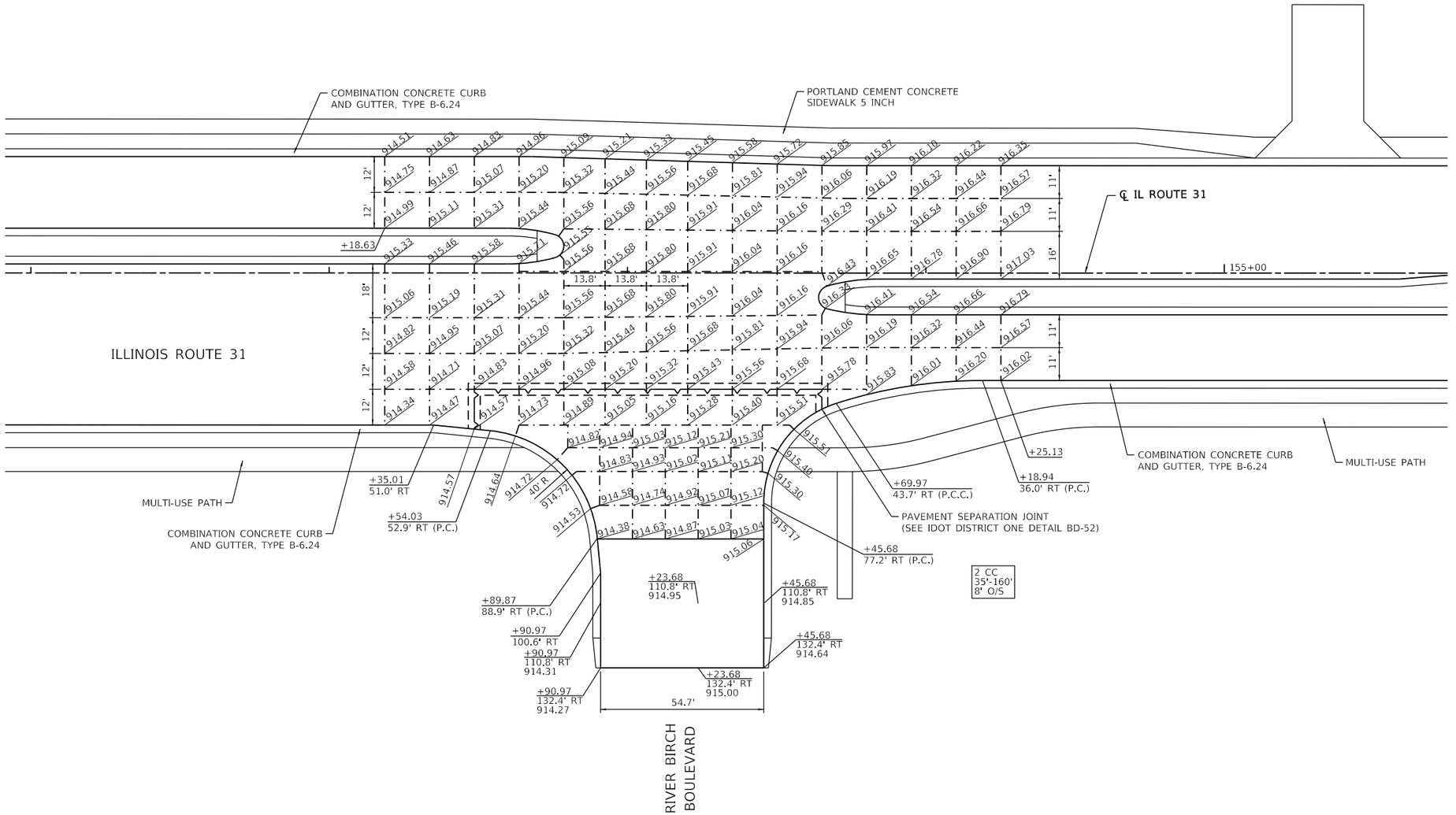
USER NAME = bwitort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						835	531
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO.		
PLOT DATE = 10/3/2024	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a WSP company

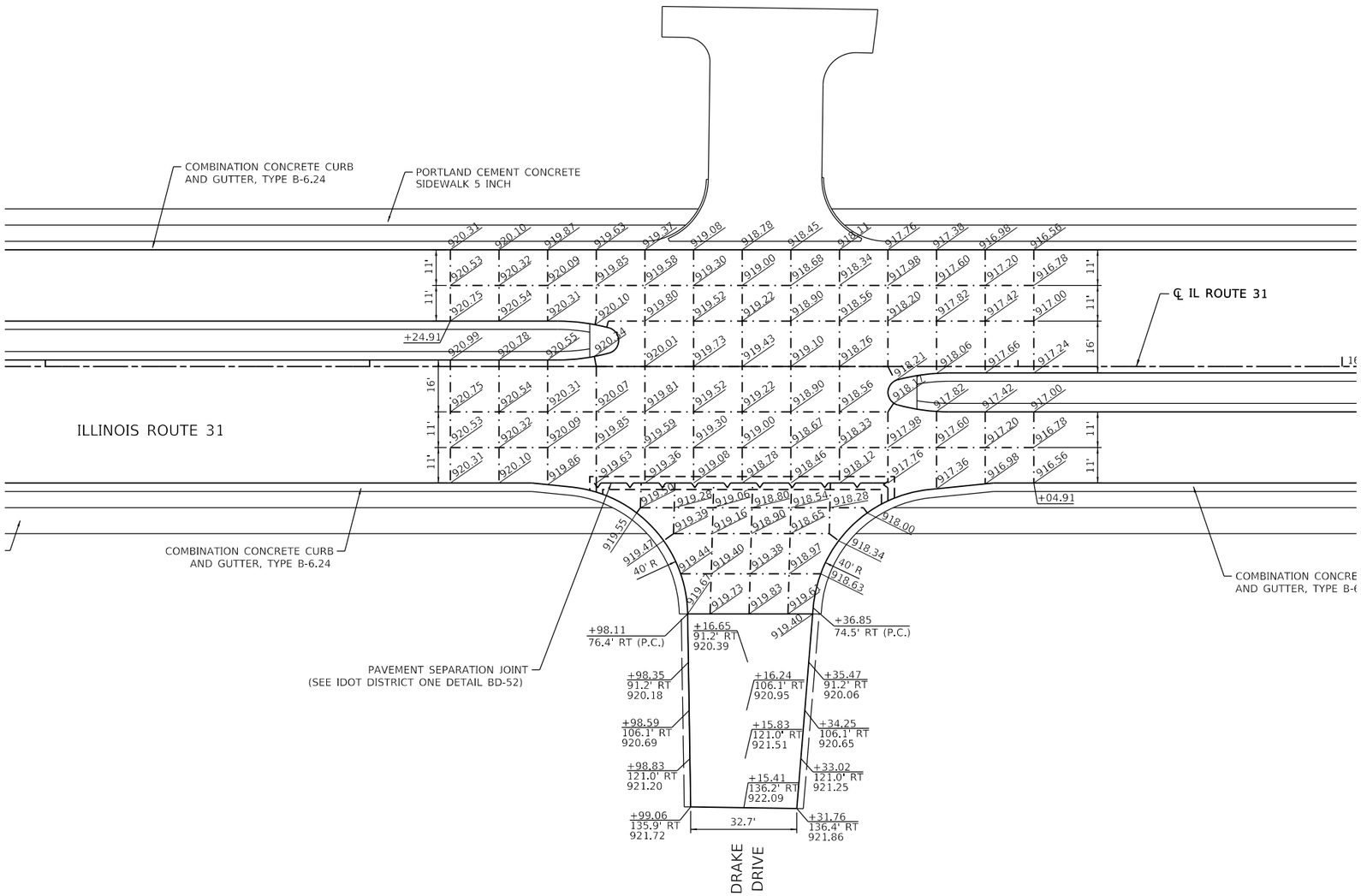
USER NAME = bwitort	DESIGNED - CD	REVISED -	
	DRAWN - CD	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/RIVER BIRCH BOULEVARD

SCALE: 1"=20' | SHEET 1 OF 16 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	532
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RSR company

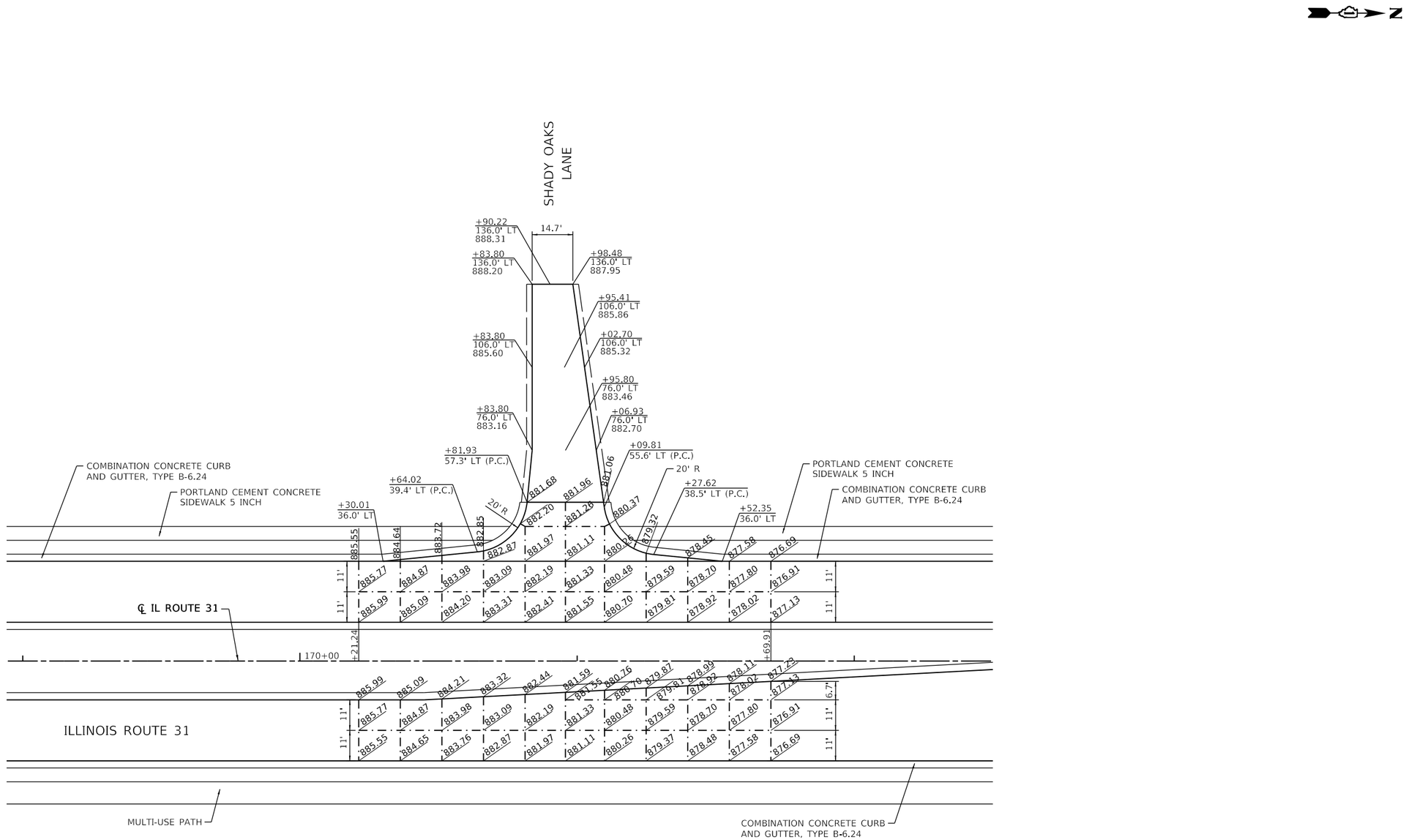
USER NAME = bwitort	DESIGNED - CD	REVISED -	
	DRAWN - CD	REVISED -	
PLOT SCALE = 40.0019 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/DRAKE DRIVE

SCALE: 1"=20' | SHEET 2 OF 16 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	533
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RJR company

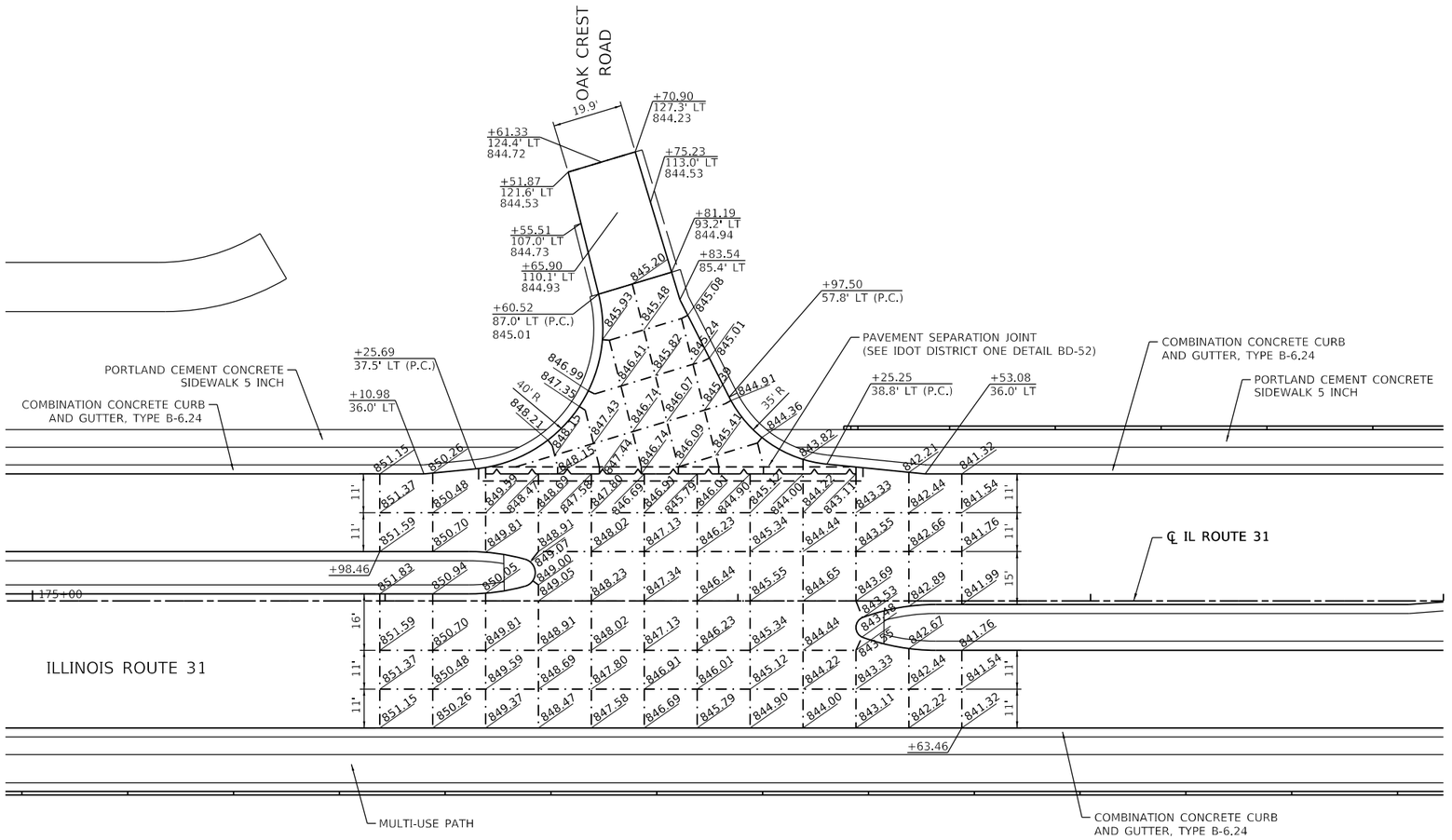
USER NAME = bwitort	DESIGNED - CD	REVISED -	
	DRAWN - CD	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/SHADY OAKS LANE

SCALE: 1"=20' | SHEET 3 OF 16 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	534
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RJN company

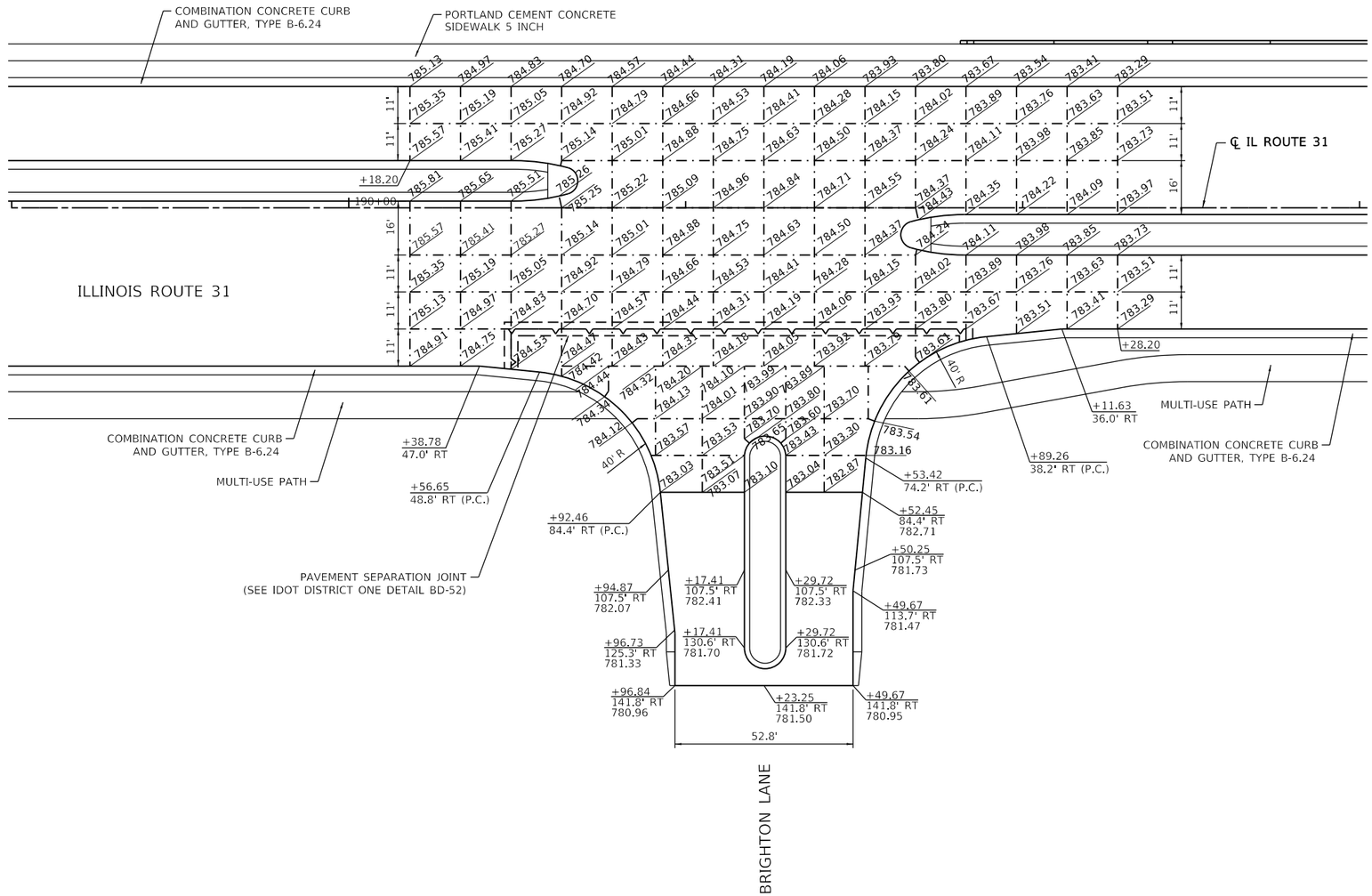
USER NAME = bwitort	DESIGNED - CD	REVISED -	
	DRAWN - CD	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/OAK CREST ROAD

SCALE: 1"=20' | SHEET 4 OF 16 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	535
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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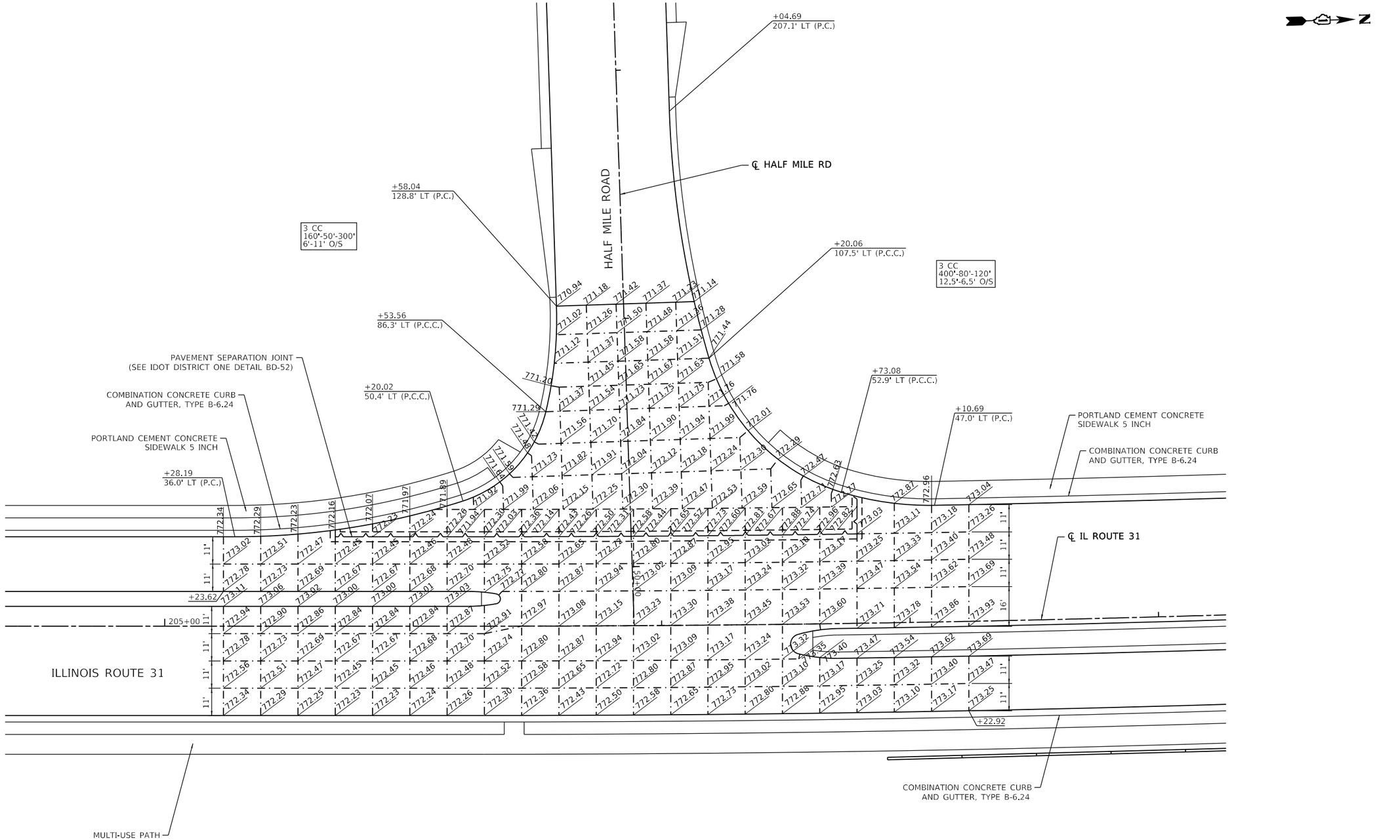
USER NAME = bwitort	DESIGNED - CD	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**INTERSECTION DETAILS AND JOINTING PLAN ILLINOIS ROUTE 31/BRIGHTON LANE**
	DRAWN - CD	REVISED -		
PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -		SCALE: 1"=20' SHEET 5 OF 16 SHEETS STA. TO STA.
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	536
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RJR company

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	DRAWN - CD	REVISED -	
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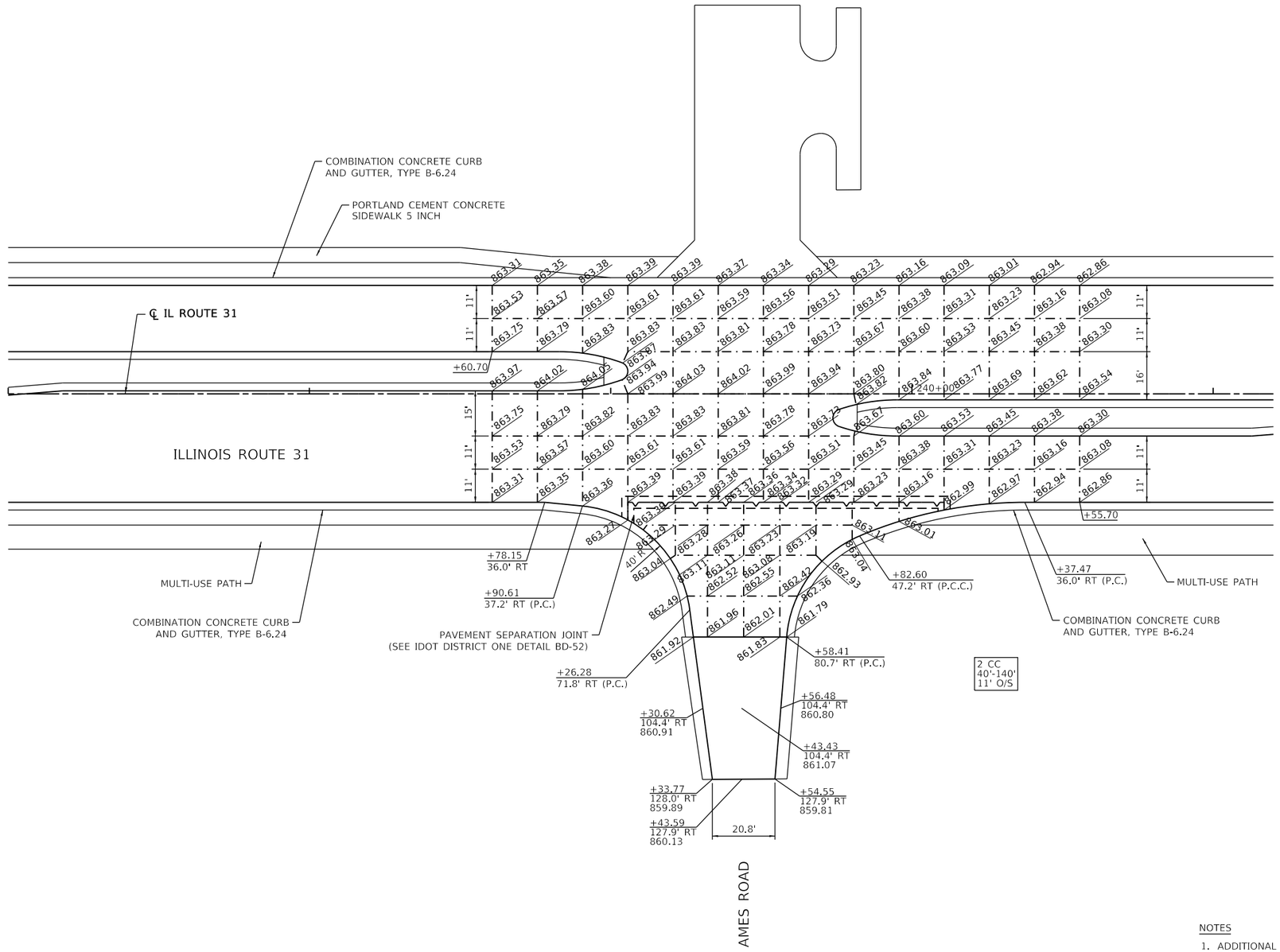
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/HALF MILE ROAD

SCALE: 1"=20' | SHEET 6 OF 16 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	537
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a WSP company

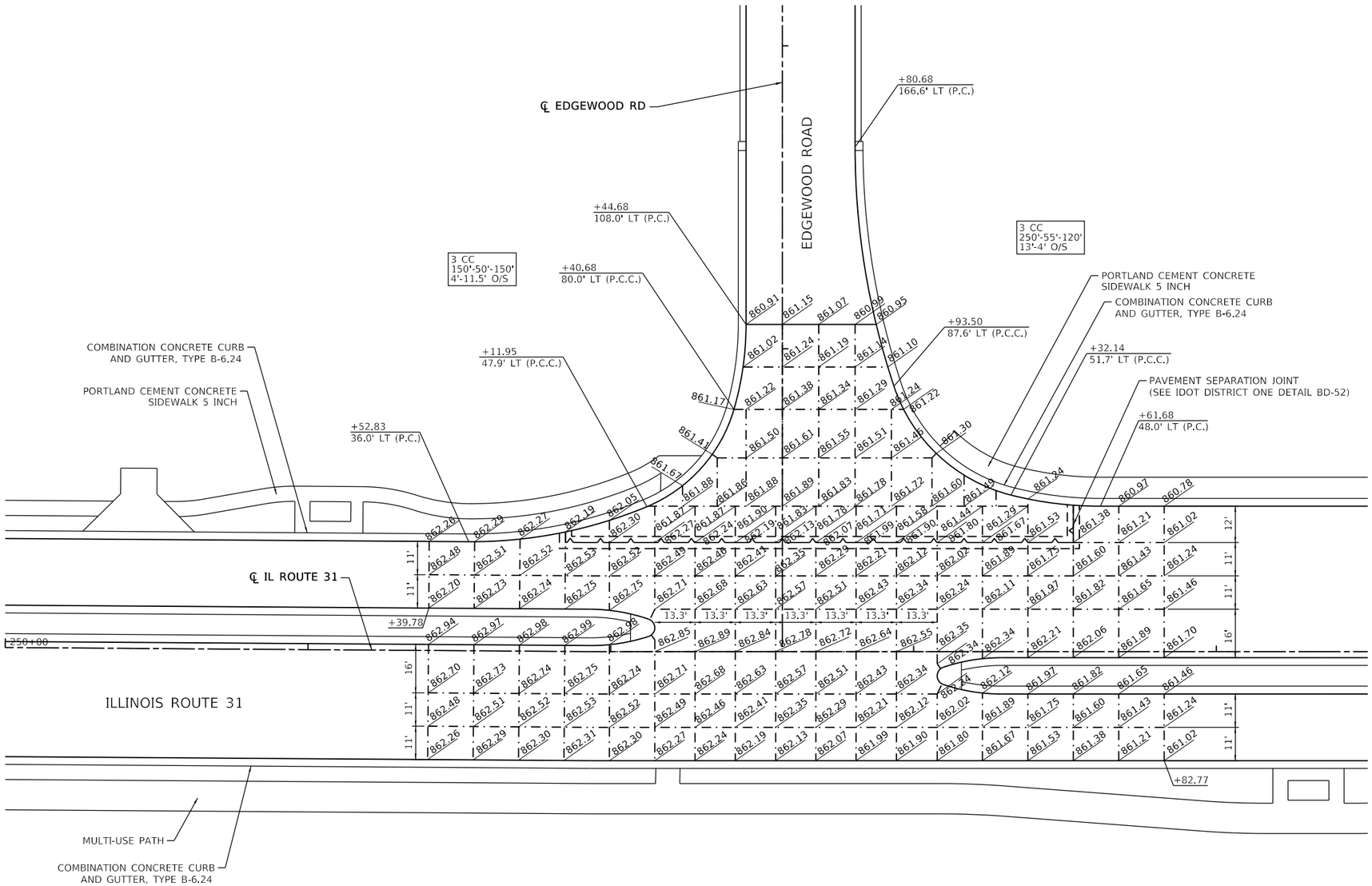
USER NAME = bwitort	DESIGNED - CD	REVISED -	
	DRAWN - CD	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/AMES ROAD

SCALE: 1"=20' | SHEET 7 OF 16 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	538
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RS&H company

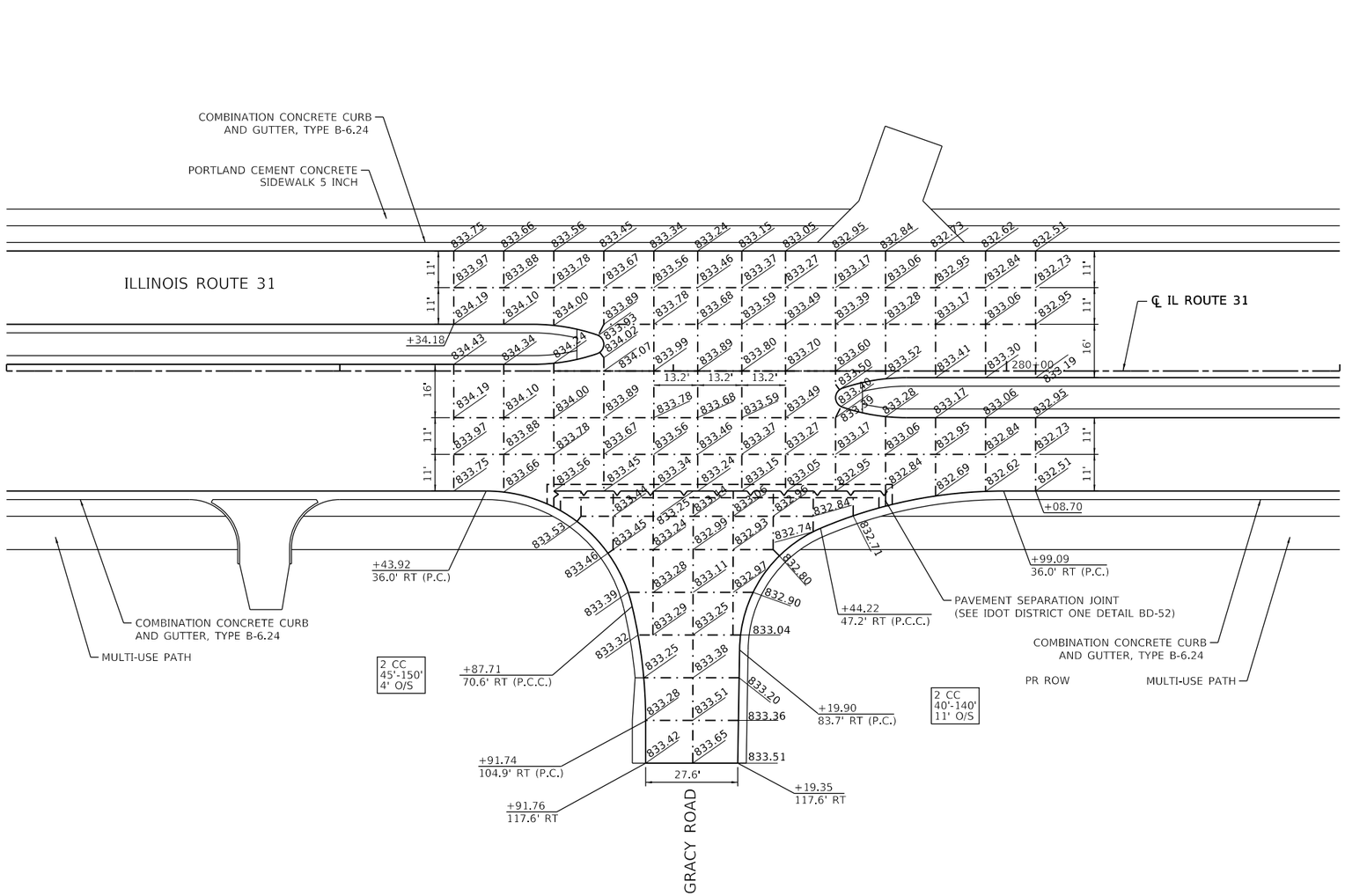
USER NAME = bwitort	DESIGNED - CD	REVISED -	
	DRAWN - CD	REVISED -	
PLOT SCALE = 40.0001 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/EDGEWOOD ROAD

SCALE: 1"=20' | SHEET 8 OF 16 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	539
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RJR company

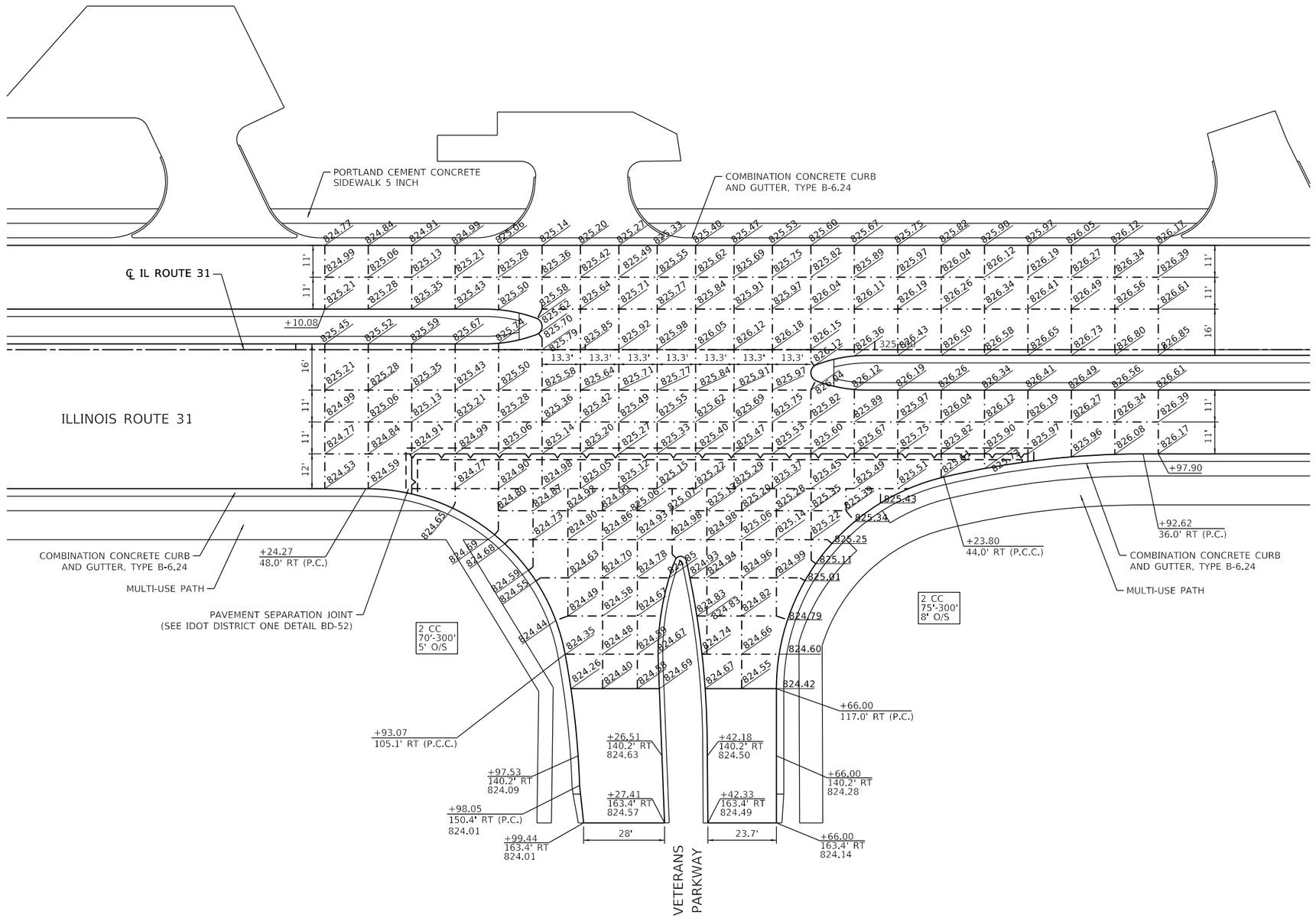
USER NAME = bwitort	DESIGNED - CD	REVISED -	
	DRAWN - CD	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/GRACY ROAD

SCALE: 1"=20' | SHEET 9 OF 16 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	540
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a Rjfr company

USER NAME = bwitort		DESIGNED - CD	REVISED -	
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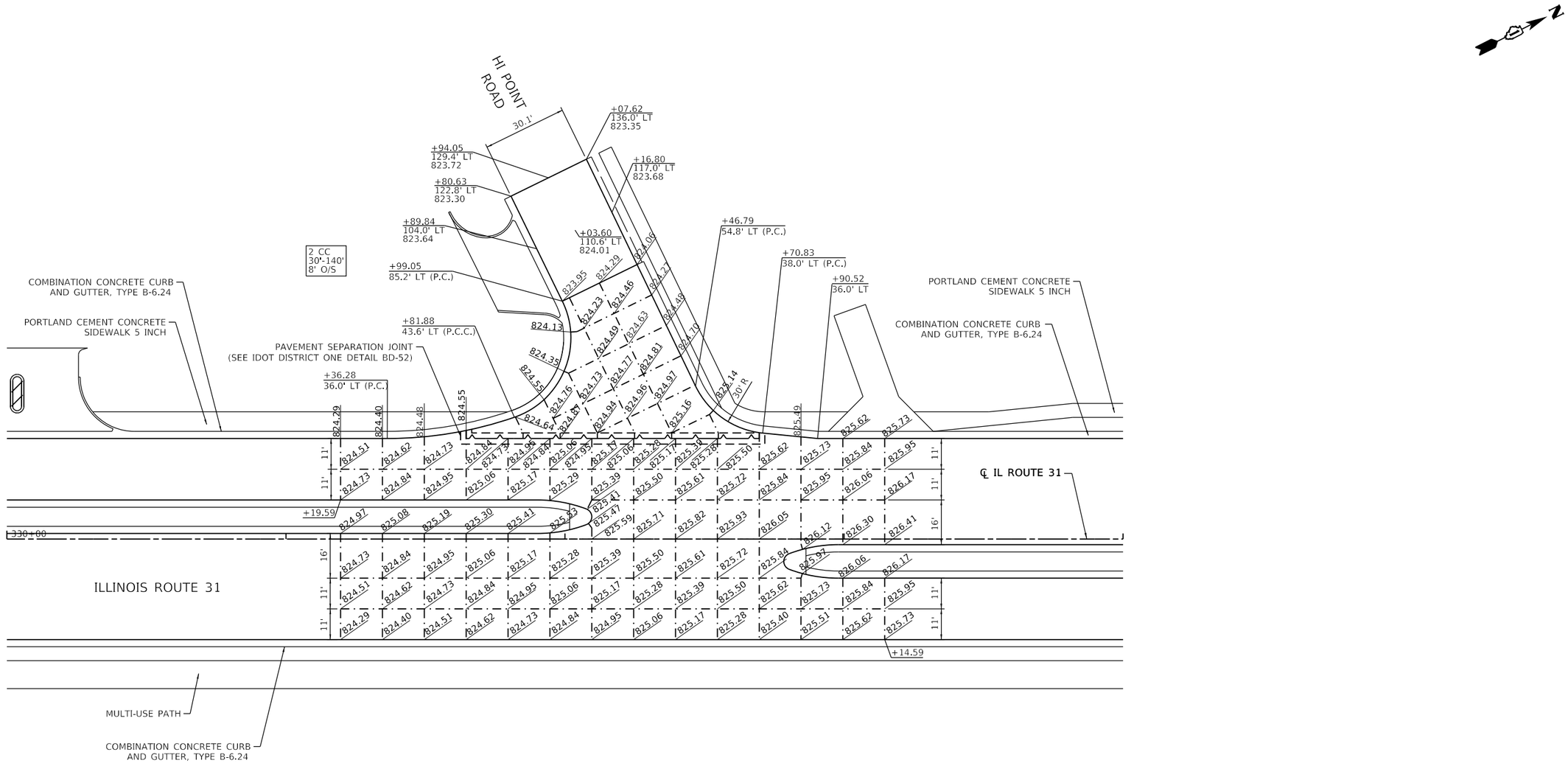
PLOT SCALE = 40.0000 ' / in.		CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024		DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/VETERANS PARKWAY

SCALE: 1"=20' | SHEET 10 OF 16 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	541
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RSR company

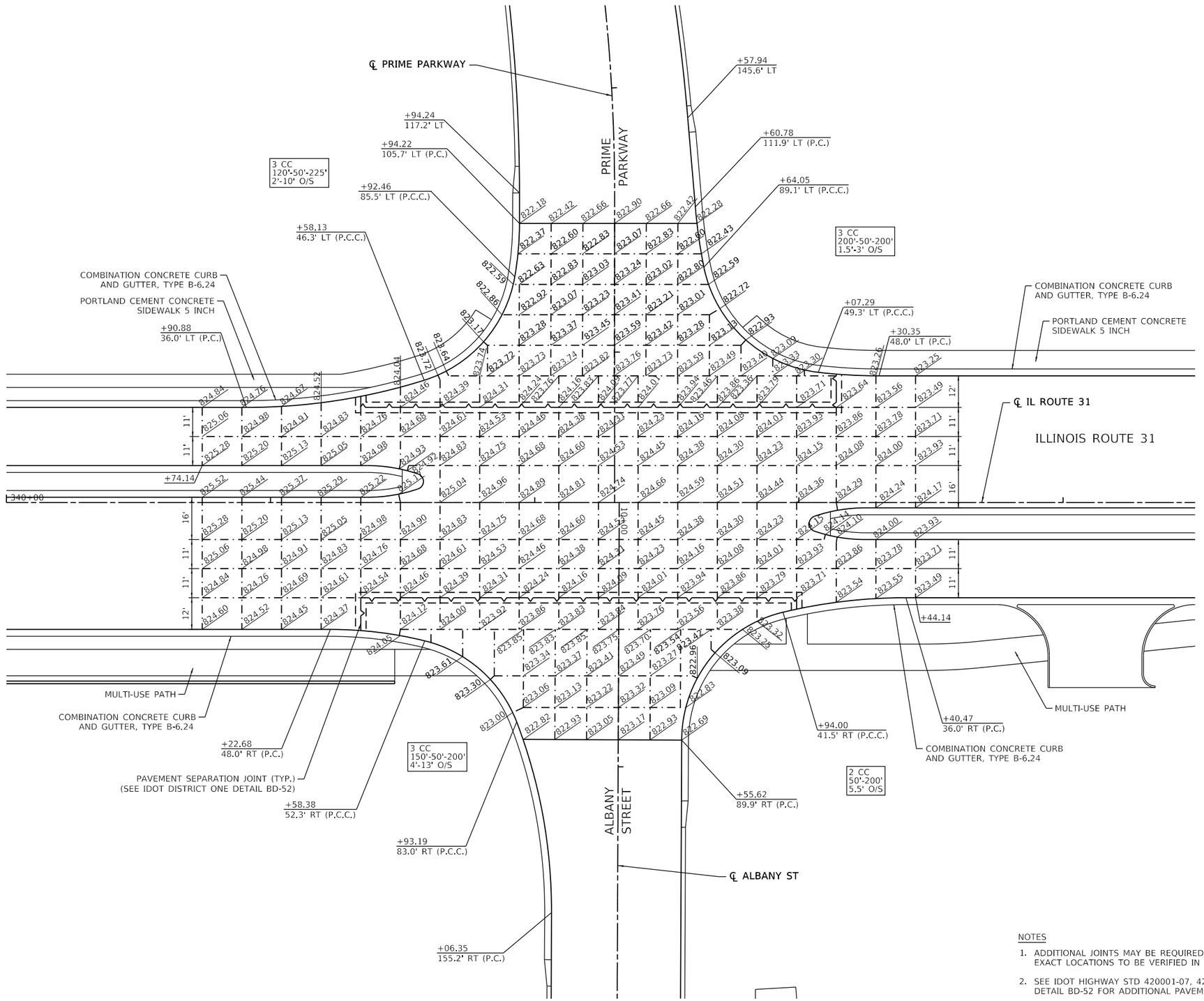
USER NAME = bwitort	DESIGNED - CD	REVISED -	
	DRAWN - CD	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/HI POINT ROAD

SCALE: 1"=20' | SHEET 11 OF 16 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	542
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a MJR company

USER NAME = bwitort	DESIGNED - CD	REVISED -	
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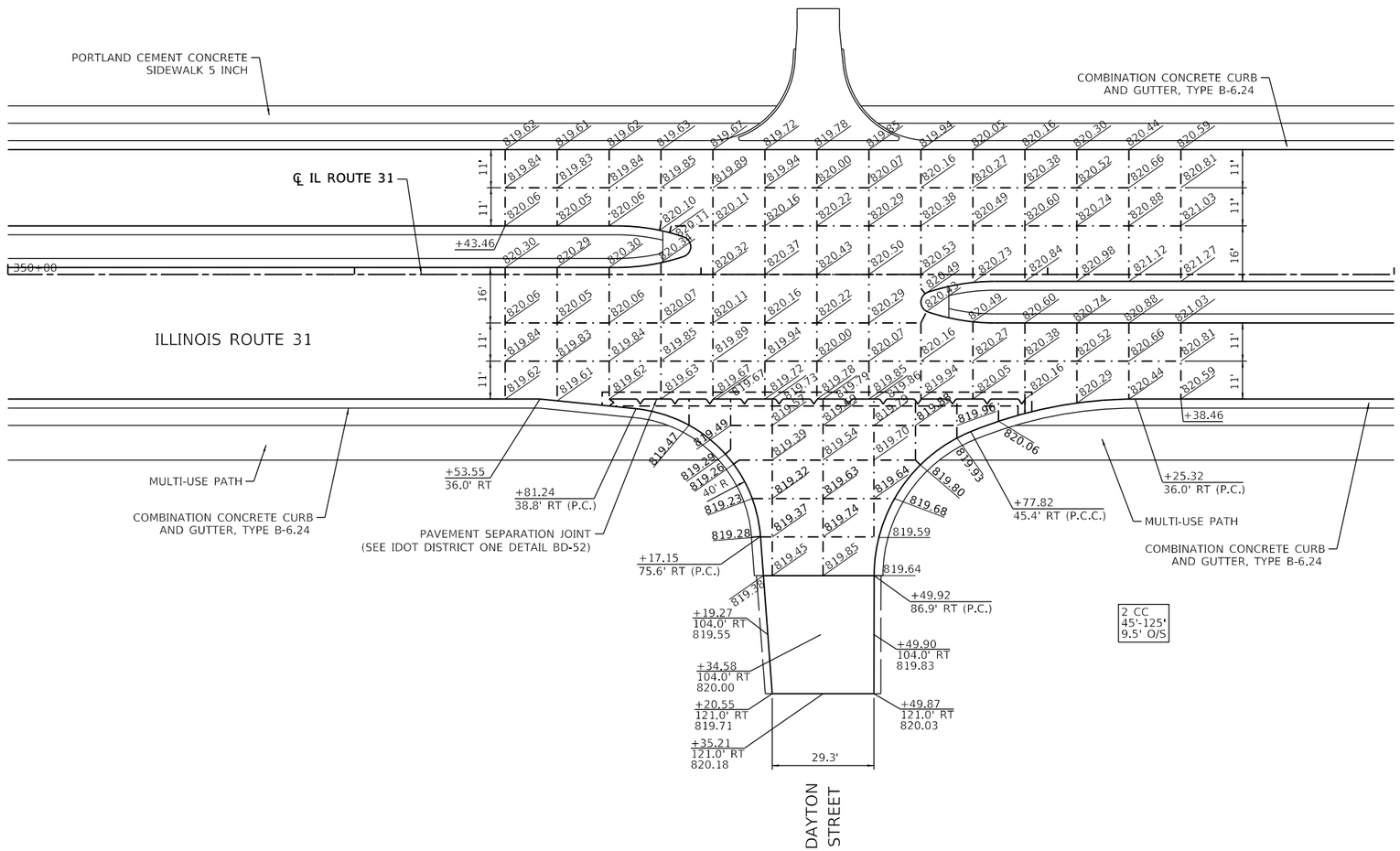
PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/PRIME PARKWAY/ALBANY STREET

SCALE: 1"=20' | SHEET 12 OF 16 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	543
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

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2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - CD	REVISED -	
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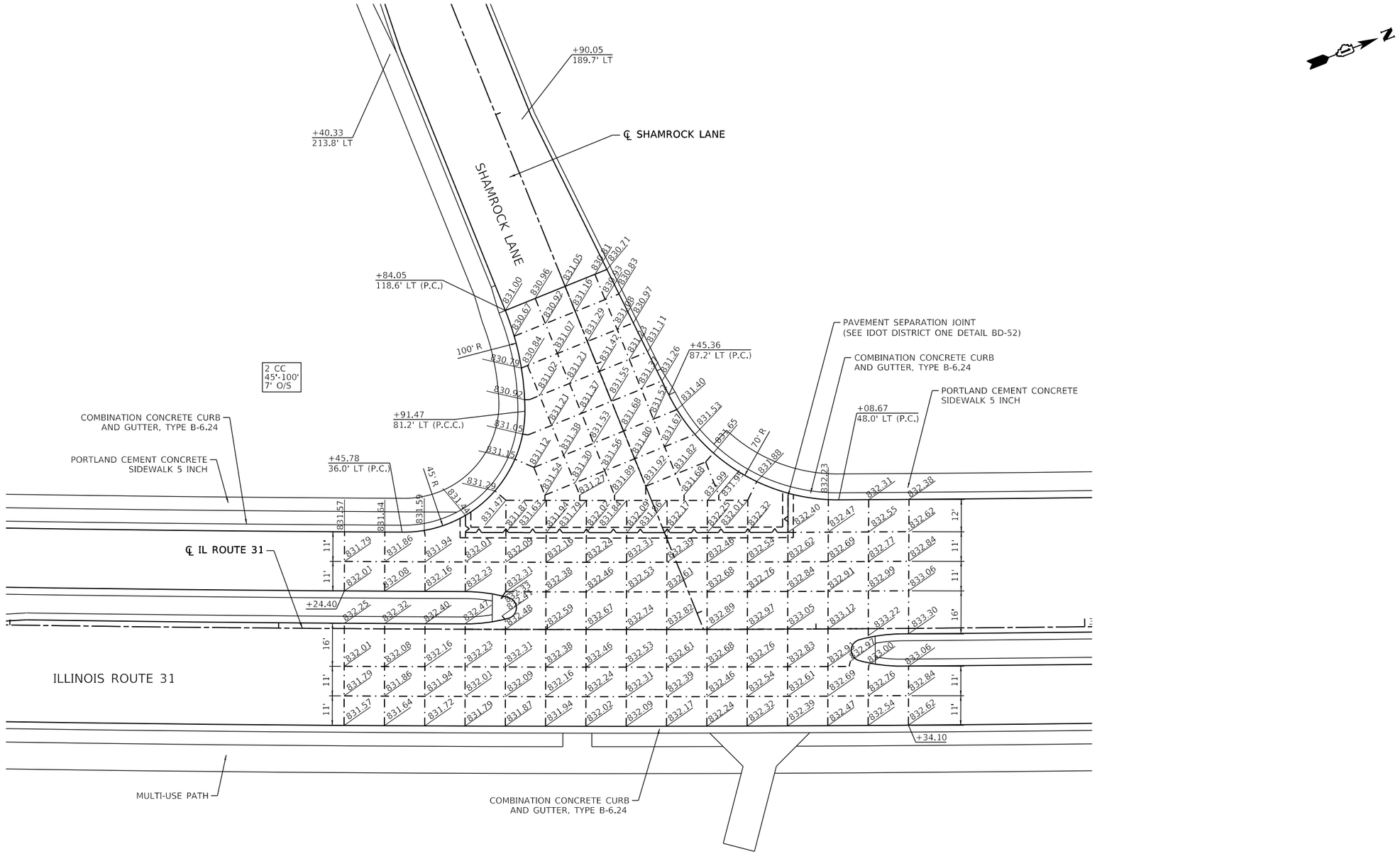
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/DAYTON STREET

SCALE: 1"=20' | SHEET 13 OF 16 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	544
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RJR company

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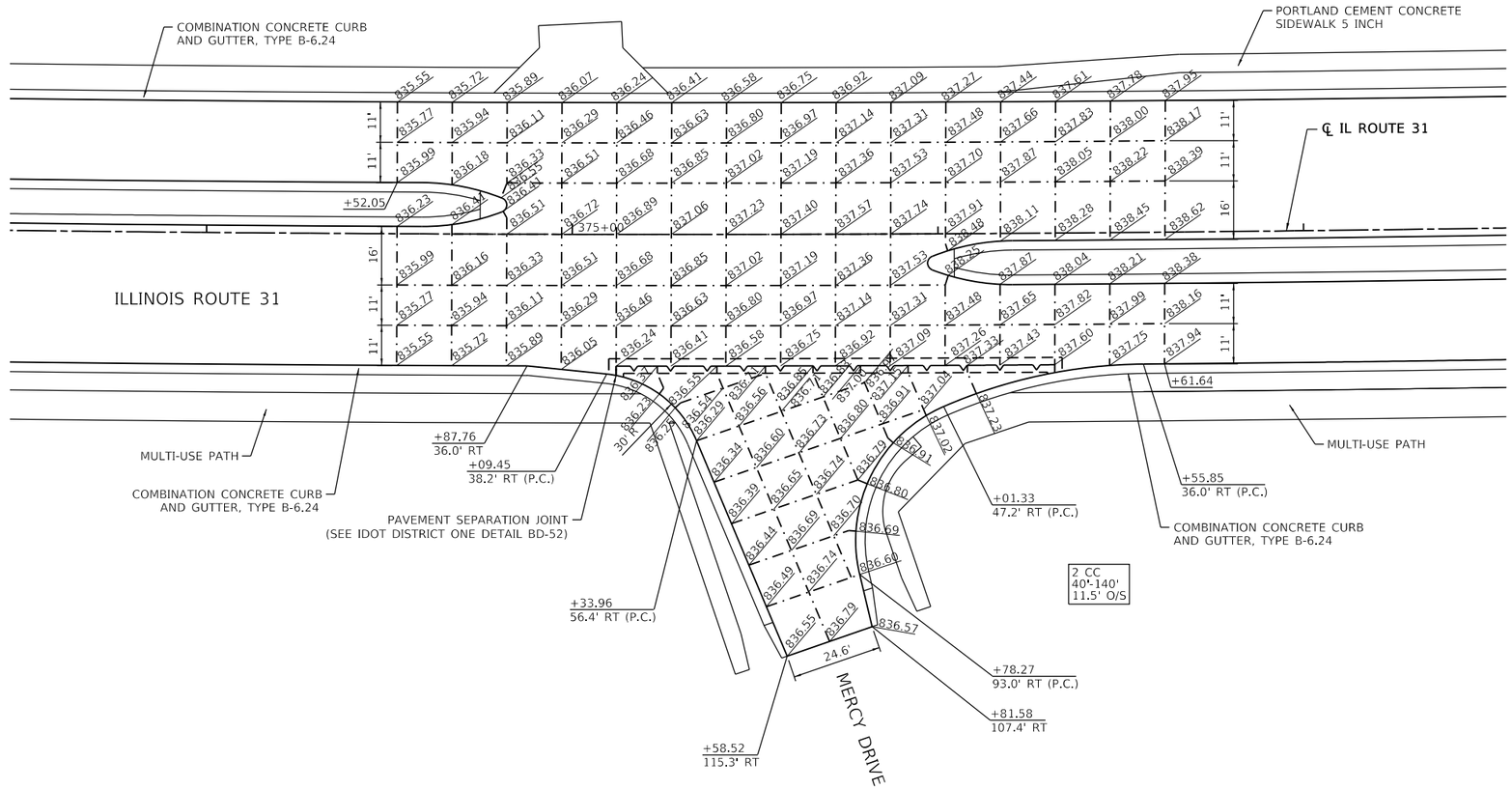
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/SHAMROCK LANE

SCALE: 1"=20' | SHEET 14 OF 16 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	545
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

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2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a Rajh company

USER NAME = bwitort	DESIGNED - CD	REVISED -	
	DRAWN - CD	REVISED -	
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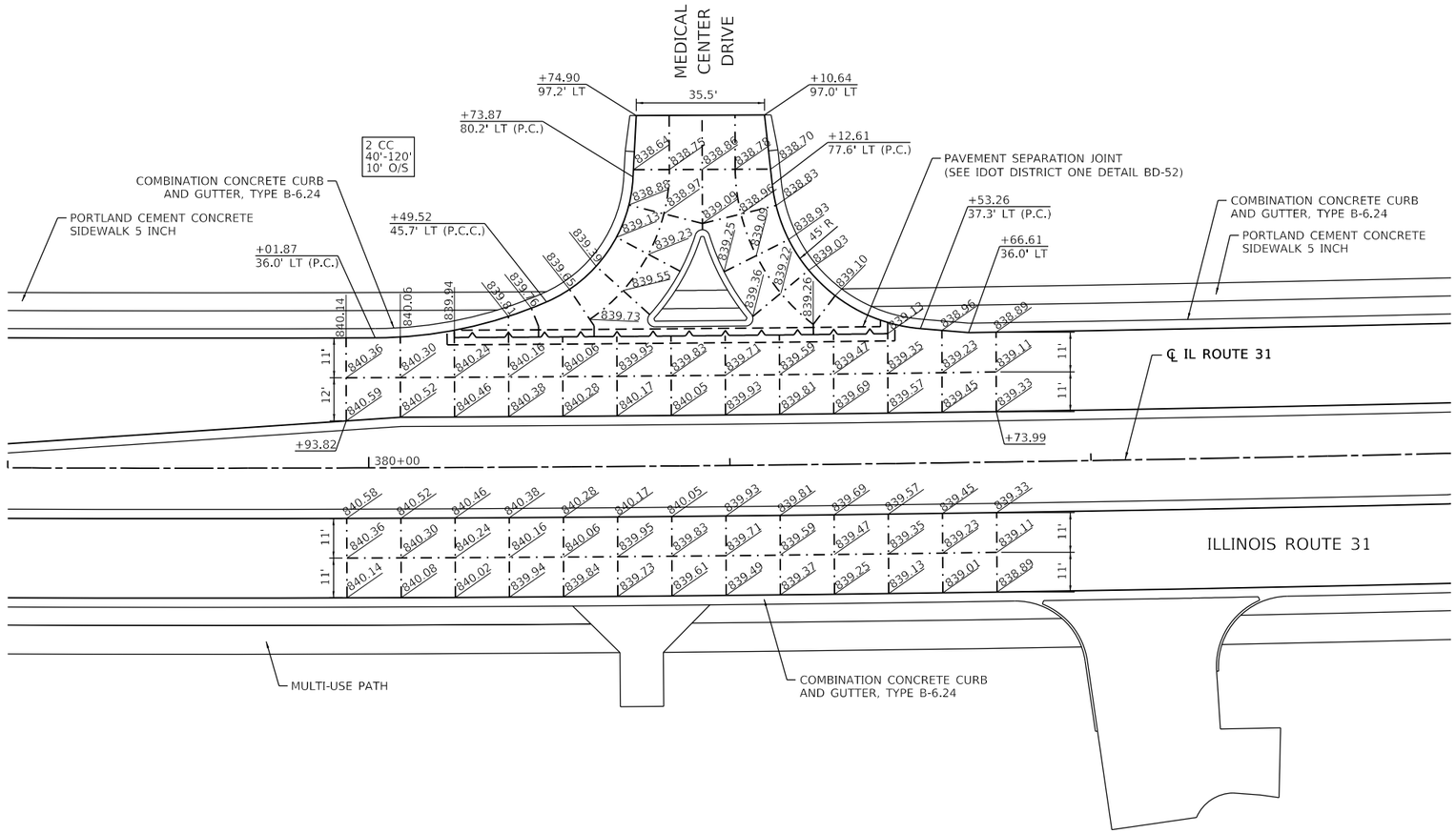
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/MERCY DRIVE

SCALE: 1"=20' | SHEET 15 OF 16 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	546
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE IDOT HIGHWAY STD 420001-07, 420101-04, 420106-04, 420111-03 AND DISTRICT 1 DETAIL BD-52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. ALL TRANSVERSE CONTRACTIONS JOINTS ARE 15' ON CENTER UNLESS OTHERWISE NOTED.

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PATRICK a RJR company

USER NAME = bwitort	DESIGNED - CD	REVISED -	
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PLOT SCALE = 40.0000 ' / in.	CHECKED - EJB	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

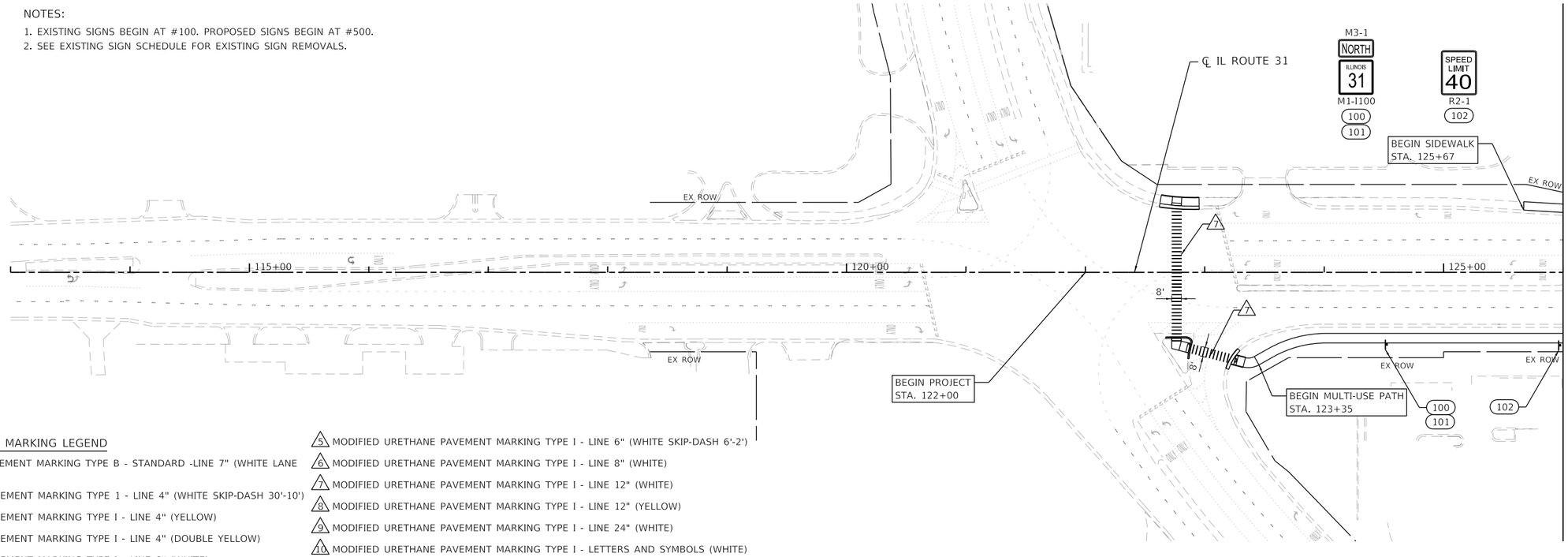
INTERSECTION DETAILS AND JOINTING PLAN
ILLINOIS ROUTE 31/MEDICAL CENTER DRIVE

SCALE: 1"=20' | SHEET 16 OF 16 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	547
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

NOTES:

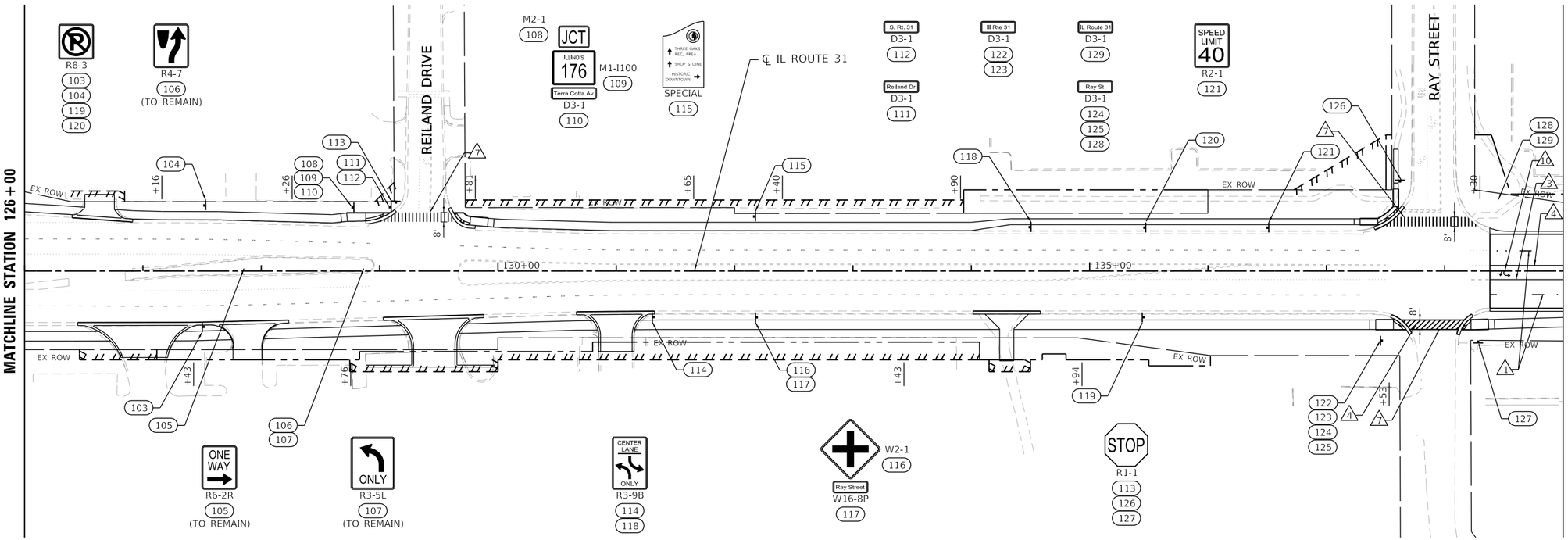
1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◁ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL



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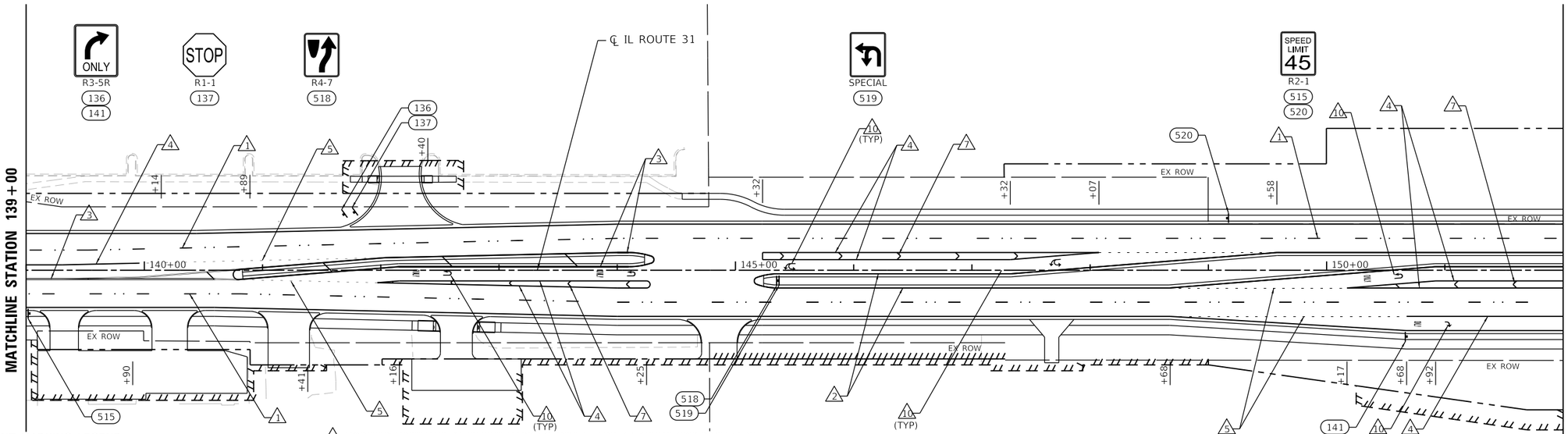
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = eboelter	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100:1	CHECKED -	REVISED -
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 1 OF 13 SHEETS | STA. 0+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	548
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



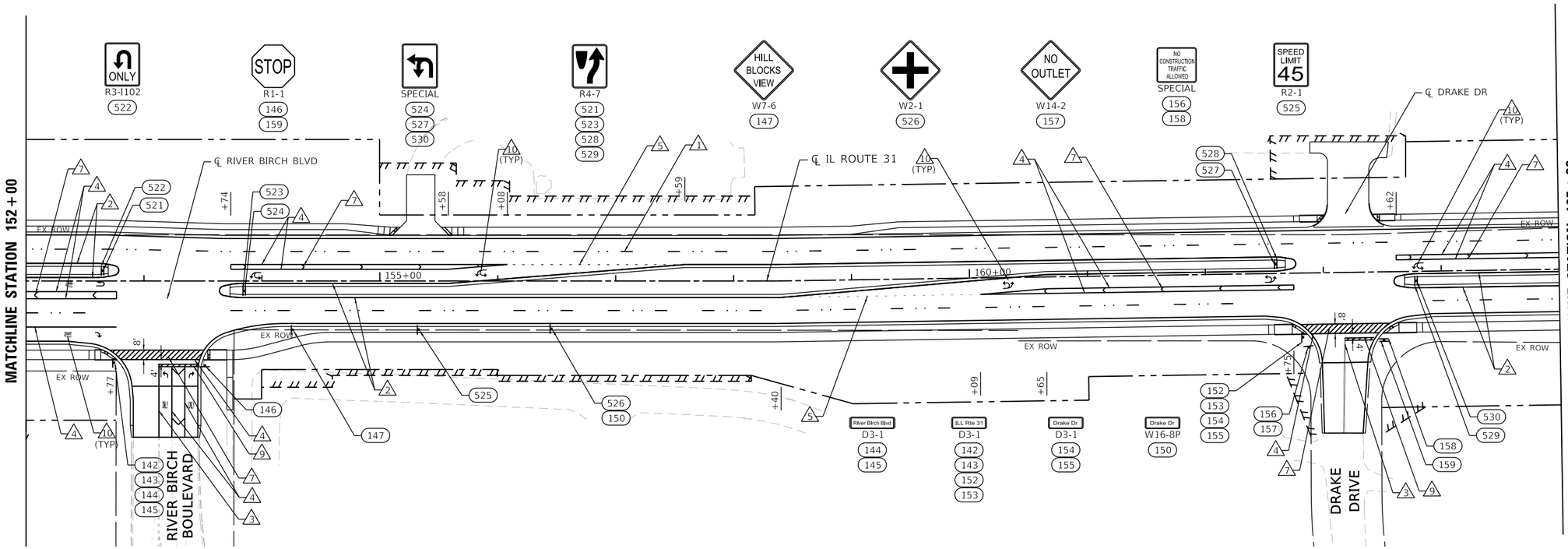
PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◁ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.



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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

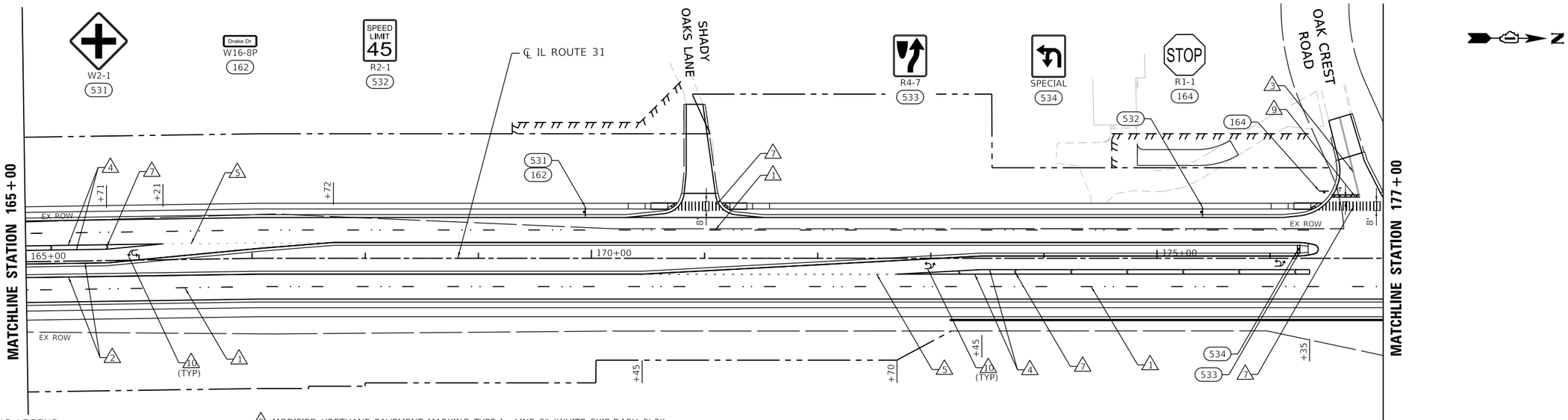
USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 2 OF 13 SHEETS | STA. 139+00 TO STA. 165+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	549
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



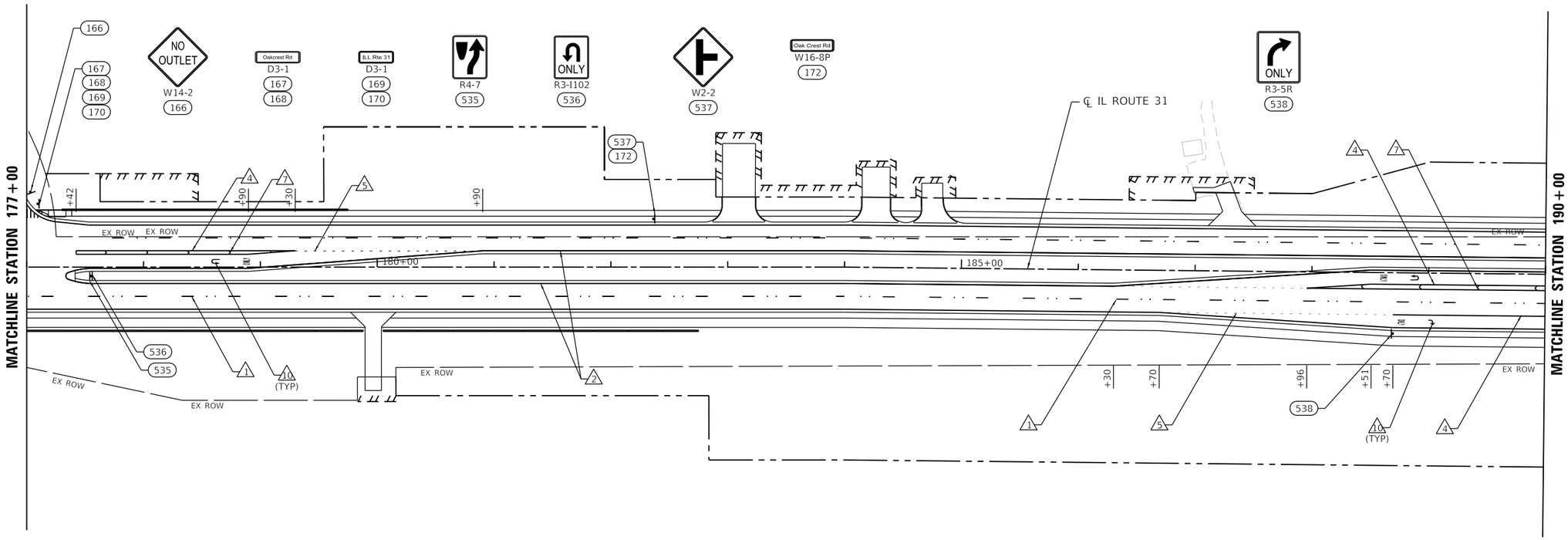
PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◁ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.



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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = eboelter	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100:1	CHECKED -	REVISED -
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

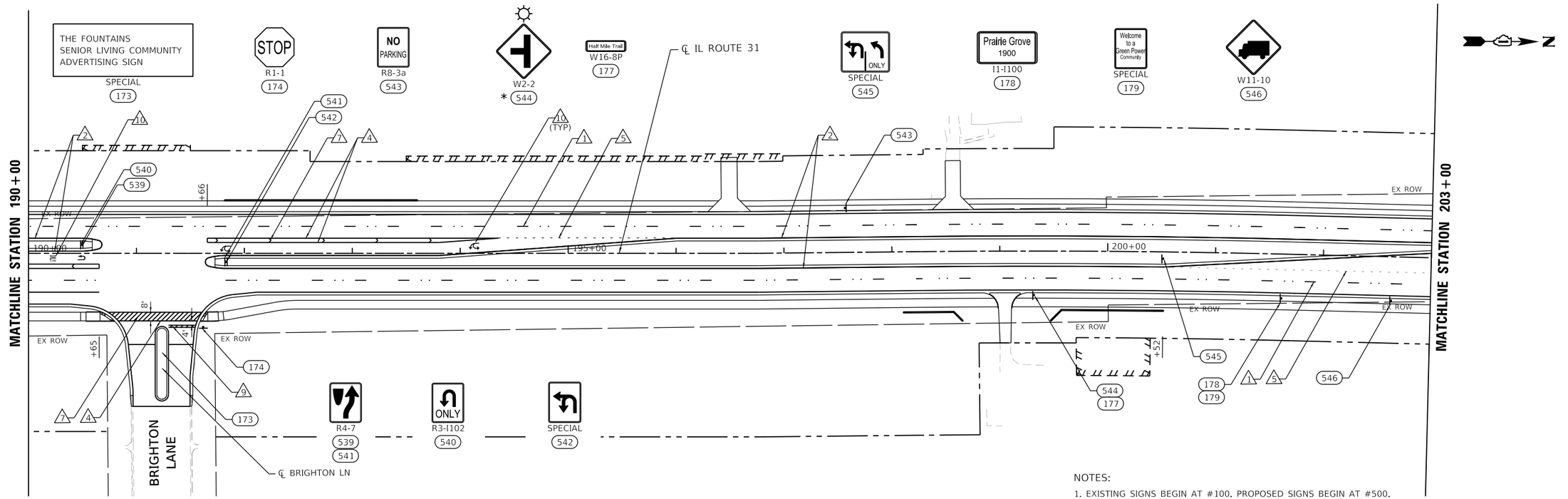
PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 13 SHEETS | STA. 165+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	550

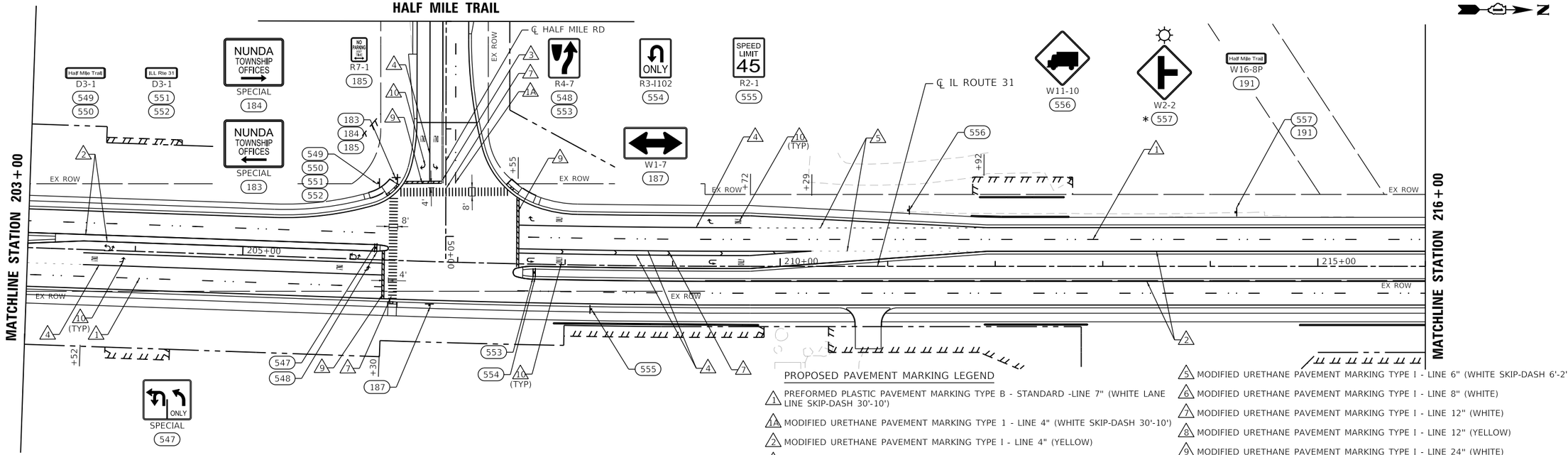
CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.
3. * FLASHING BEACON ACCOMPANIES SIGN ASSEMBLY.



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◄ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

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SINGH
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

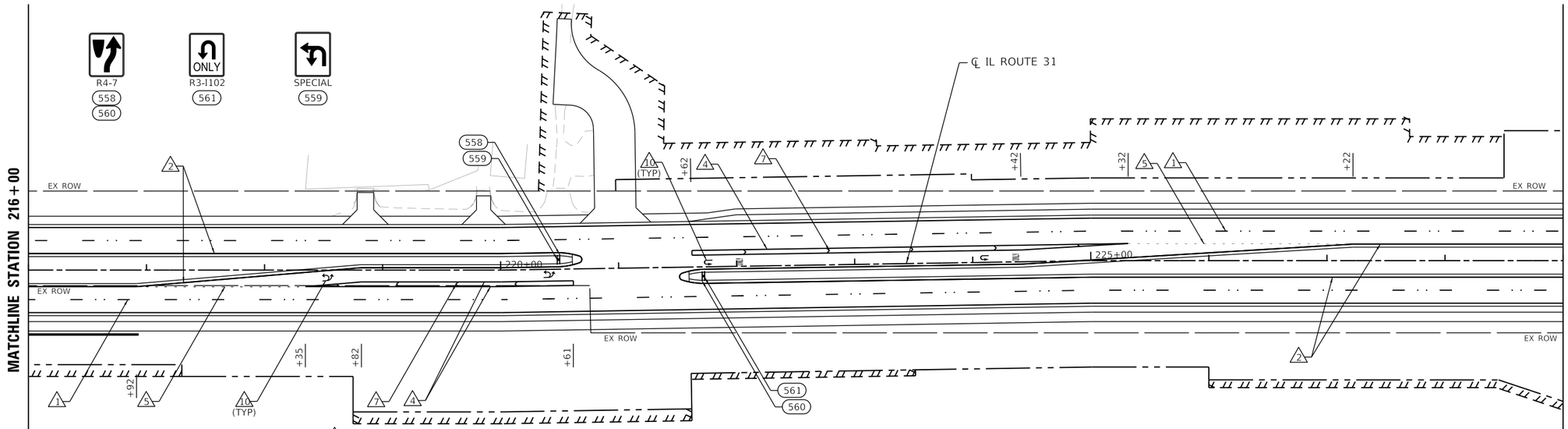
PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 13 SHEETS | STA. 190+00 TO STA. 216+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	551

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



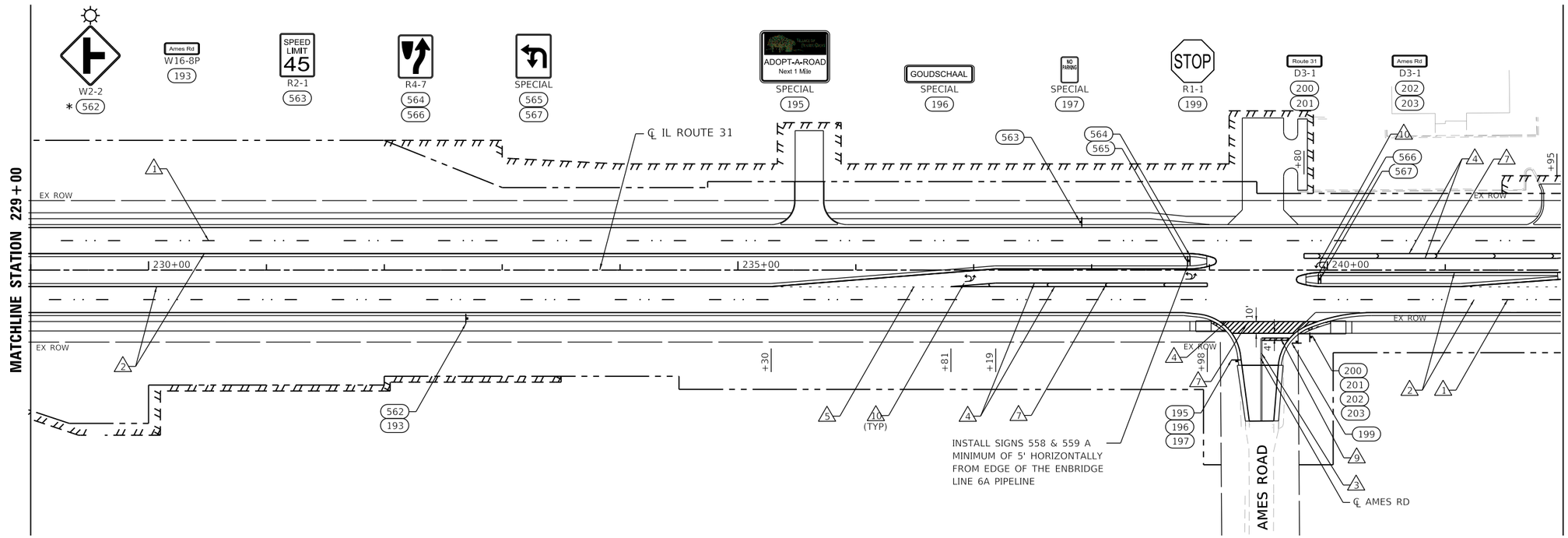
PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◂ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.
3. * FLASHING BEACON ACCOMPANIES SIGN ASSEMBLY.



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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

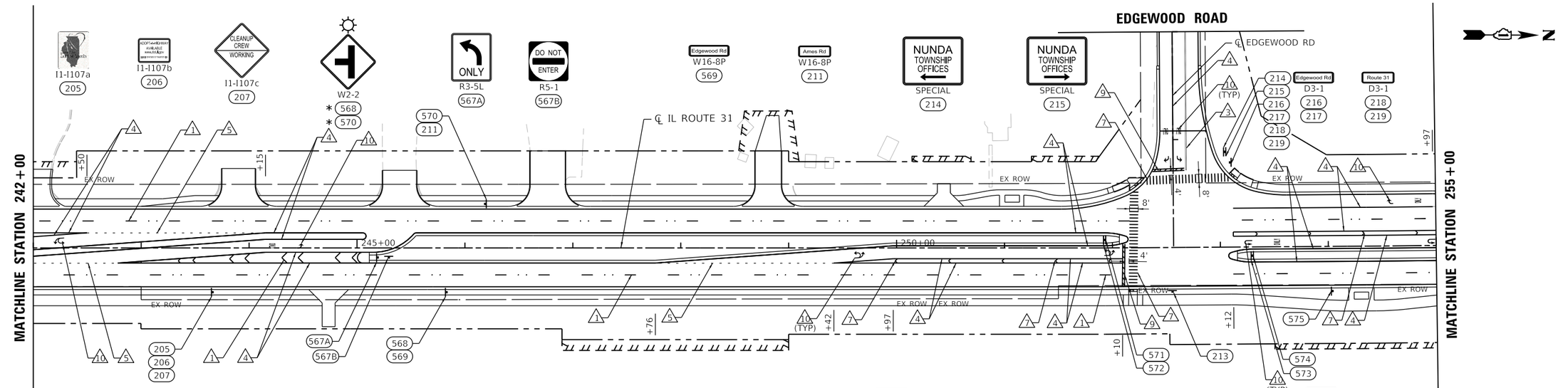
PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

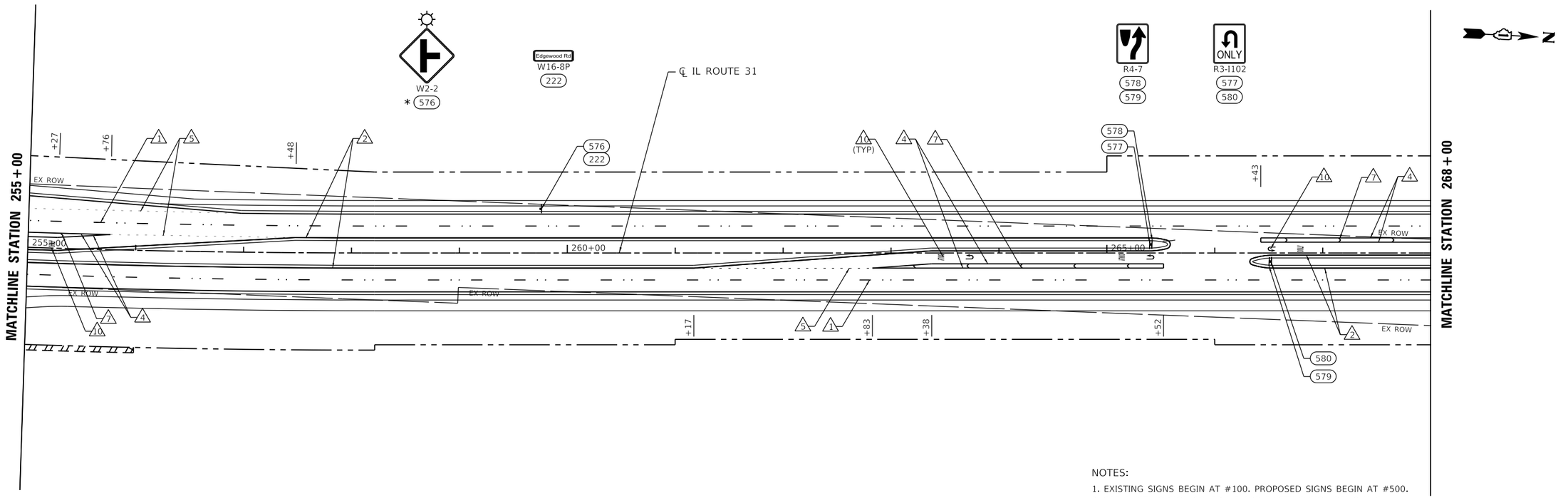
SCALE: 1"=50' | SHEET 5 OF 13 SHEETS | STA. 216+00 TO STA. 242+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	552

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT





PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◁ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.
3. * FLASHING BEACON ACCOMPANIES SIGN ASSEMBLY.

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

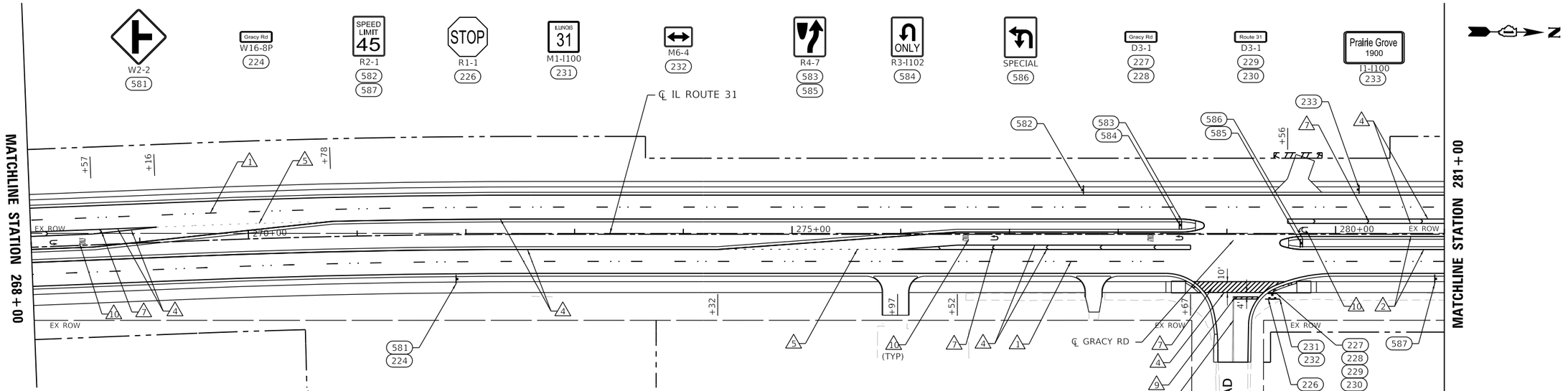
USER NAME = eboelter	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100:1	CHECKED -	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 6 OF 13 SHEETS | STA. 242+00 TO STA. 268+00

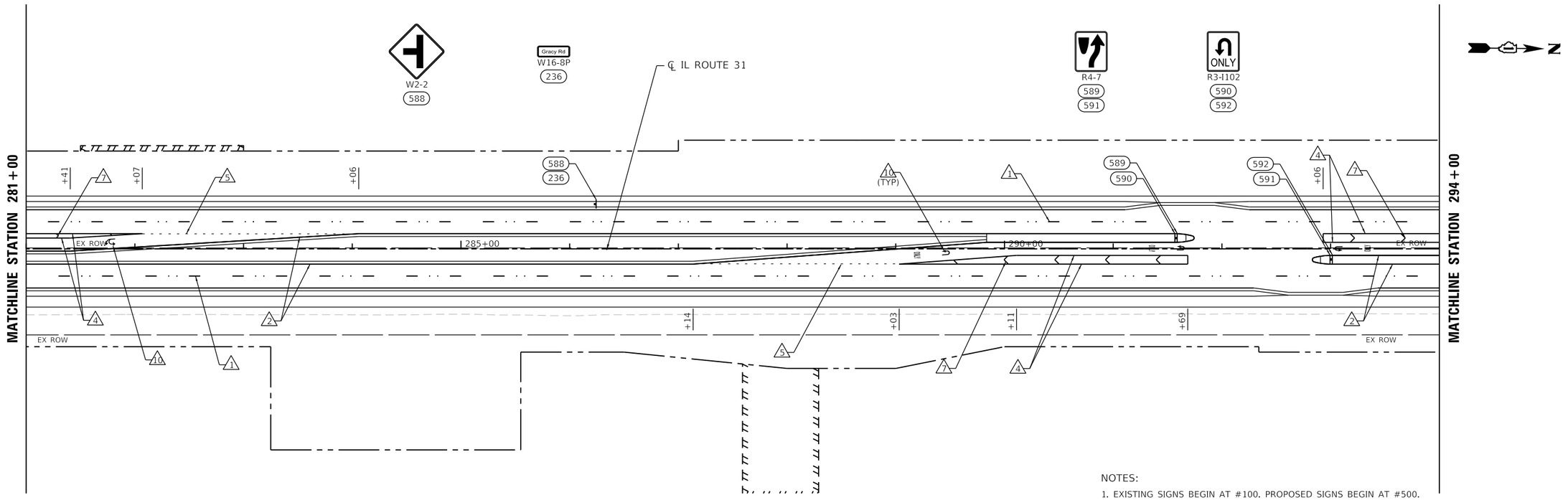
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	553
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◁ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL



NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

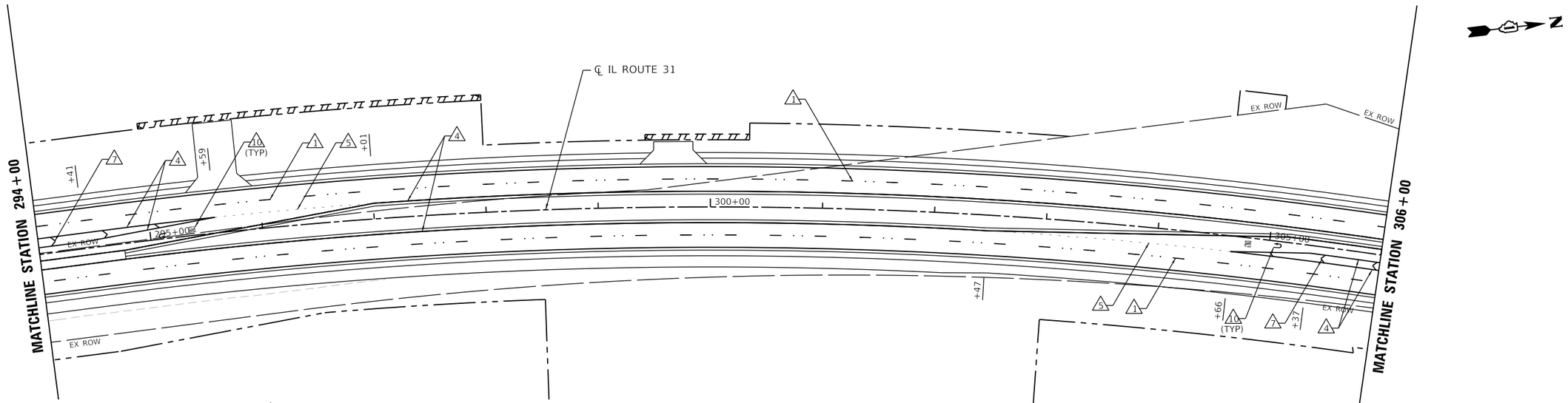
USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 13 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	554
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



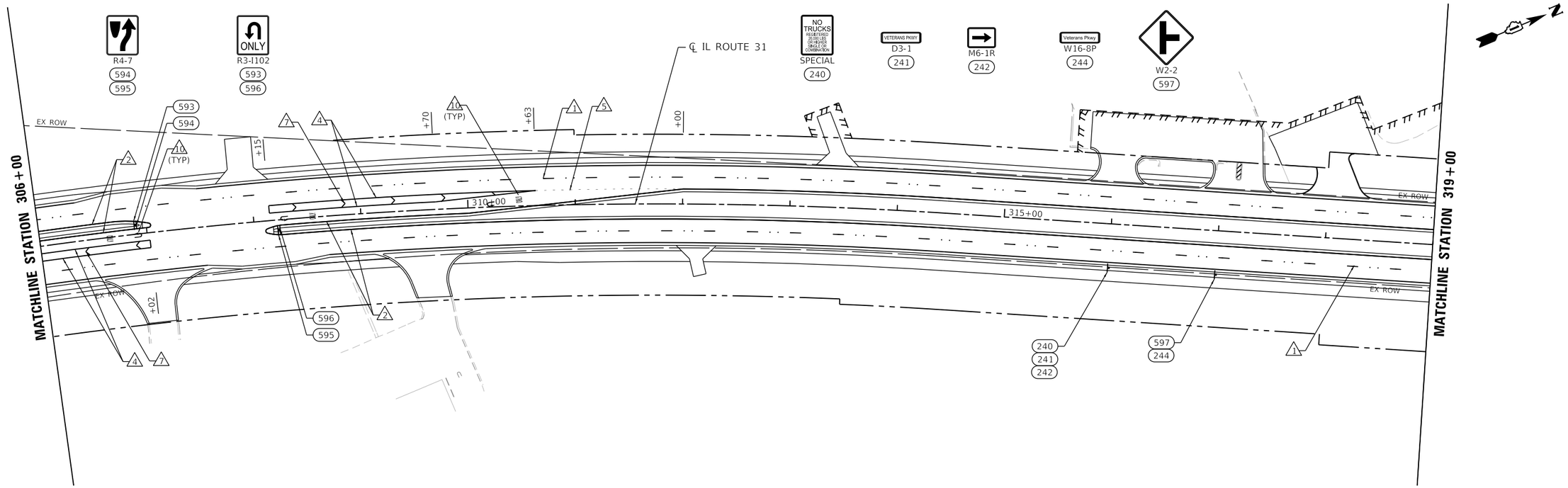
PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◁ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.



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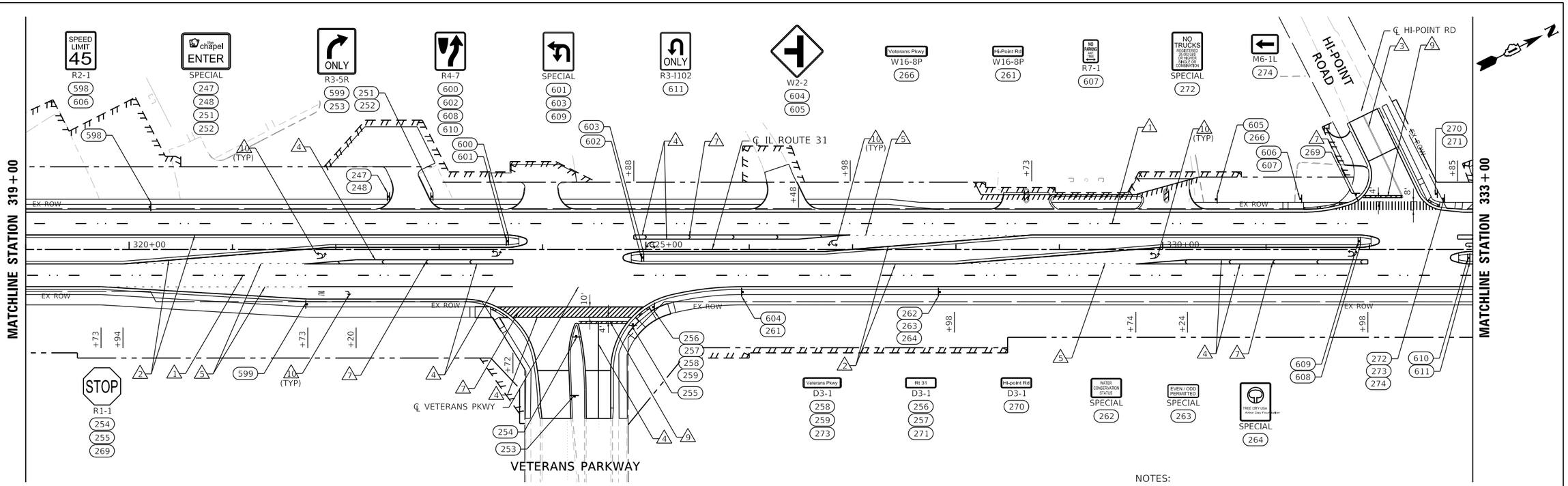
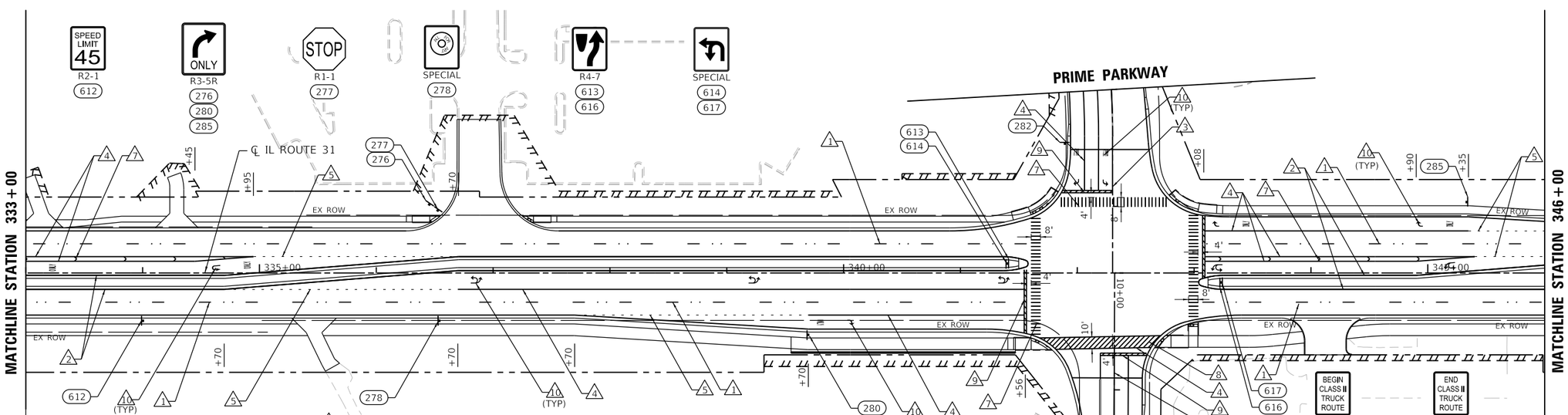
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = eboelter	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN ILLINOIS ROUTE 31
		DRAWN -	REVISED -		
	PLOT SCALE = 100:1	CHECKED -	REVISED -		
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' | SHEET 8 OF 13 SHEETS | STA. 294+00 TO STA. 319+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	555
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◁ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

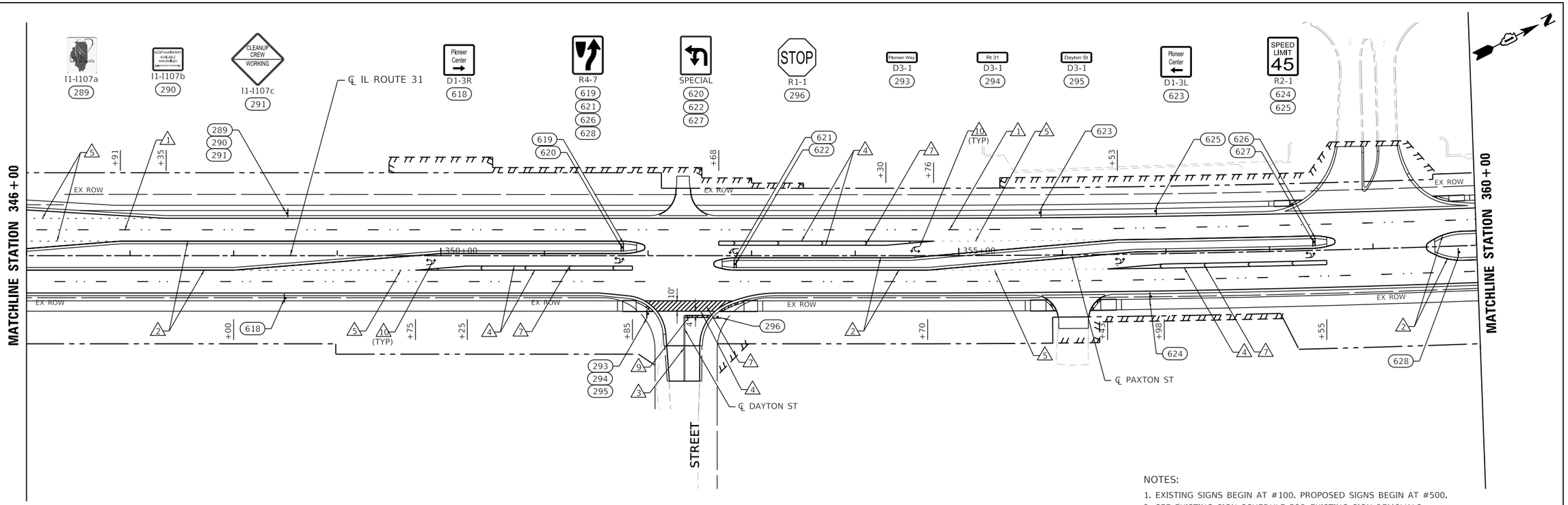
PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 9 OF 13 SHEETS | STA. 319+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	556

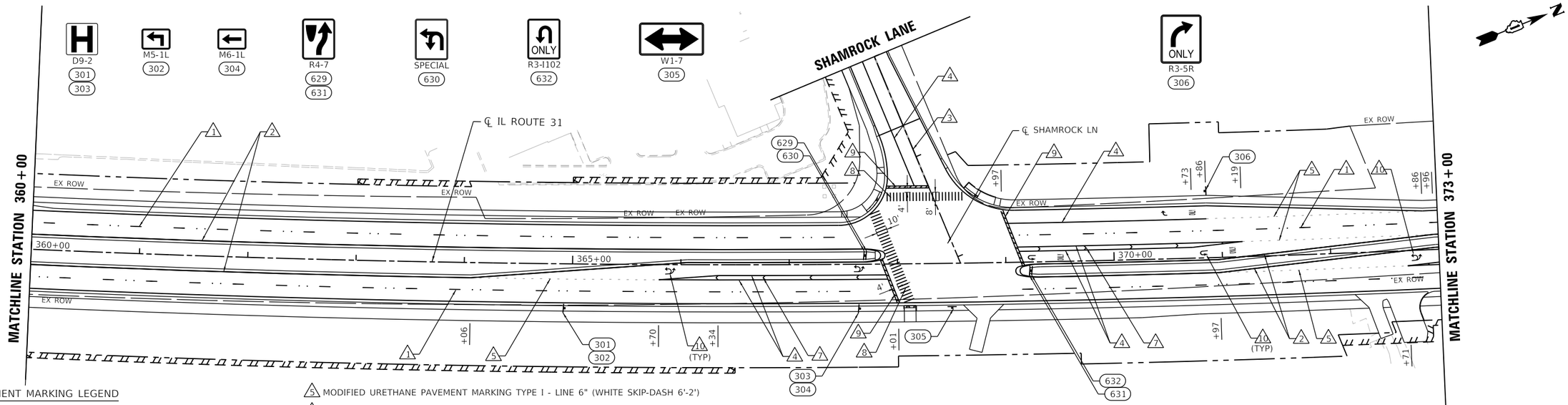
CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT



NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◂ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

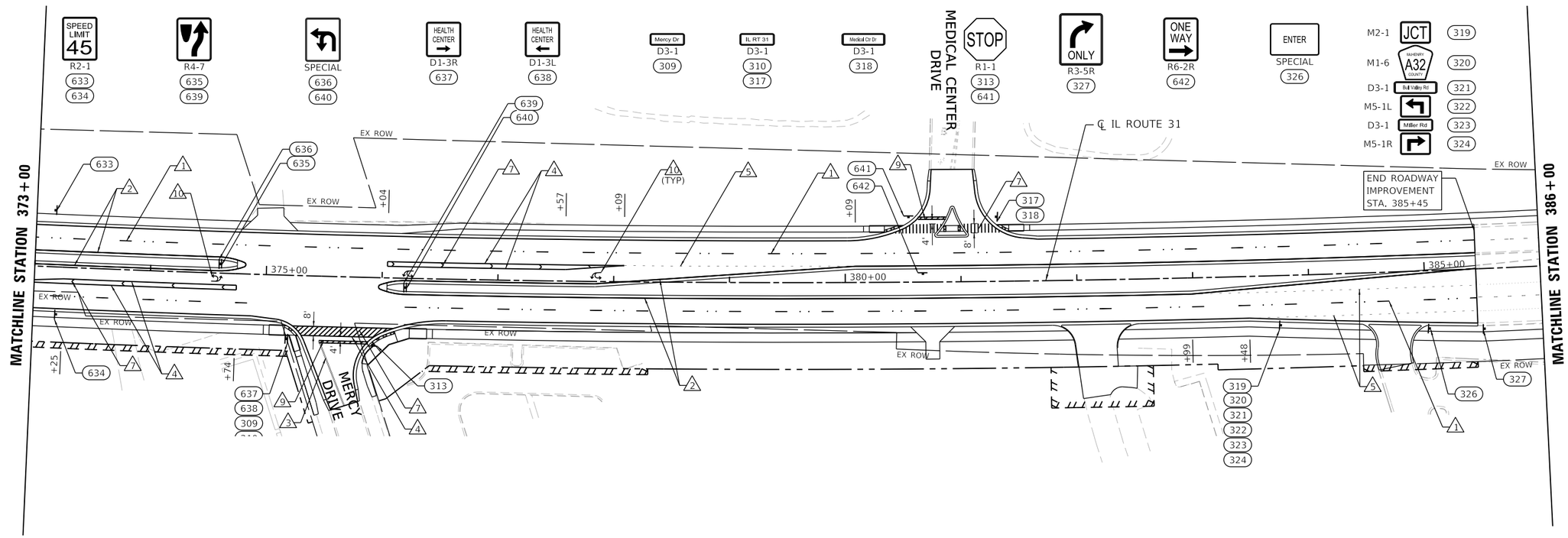
USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

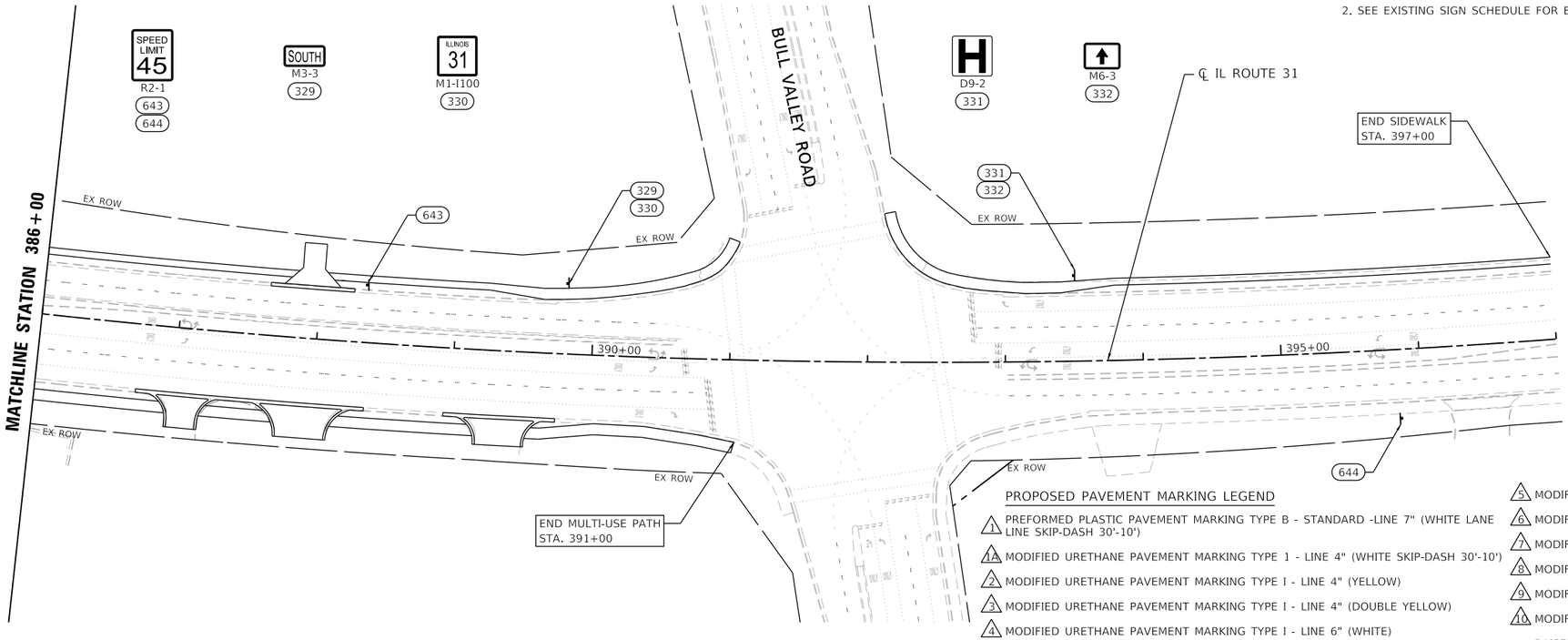
SCALE: 1"=50' | SHEET 10 OF 13 SHEETS | STA. 346+00 TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	557
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◄ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

MODEL: Default
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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

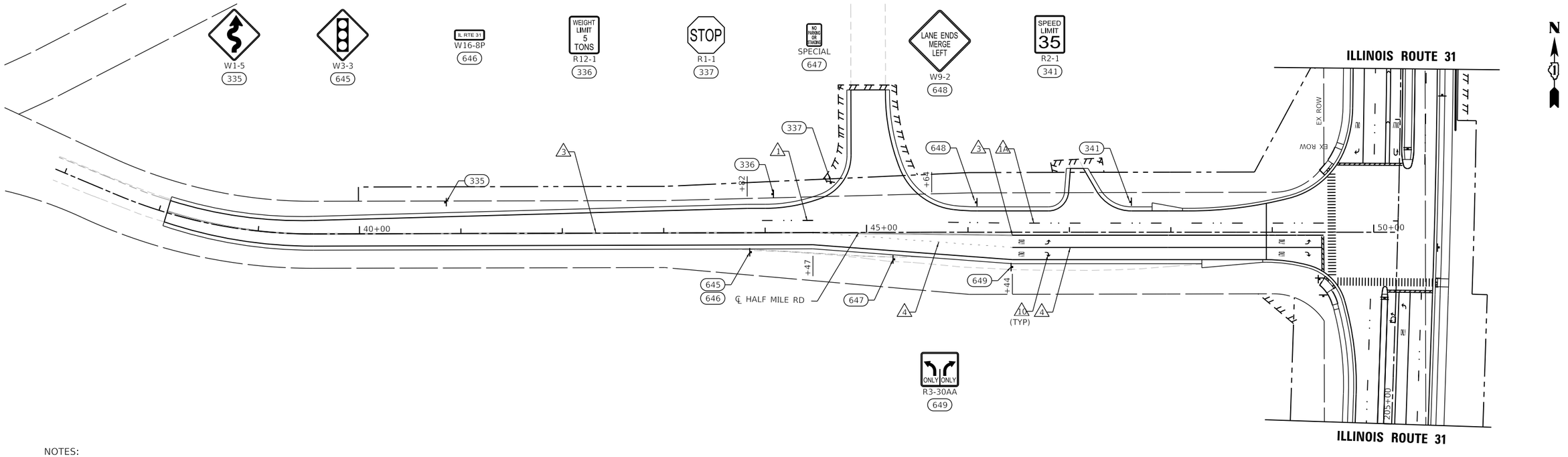
PAVEMENT MARKING AND SIGNING PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 13 SHEETS | STA. 373+00 TO STA. 397+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	558

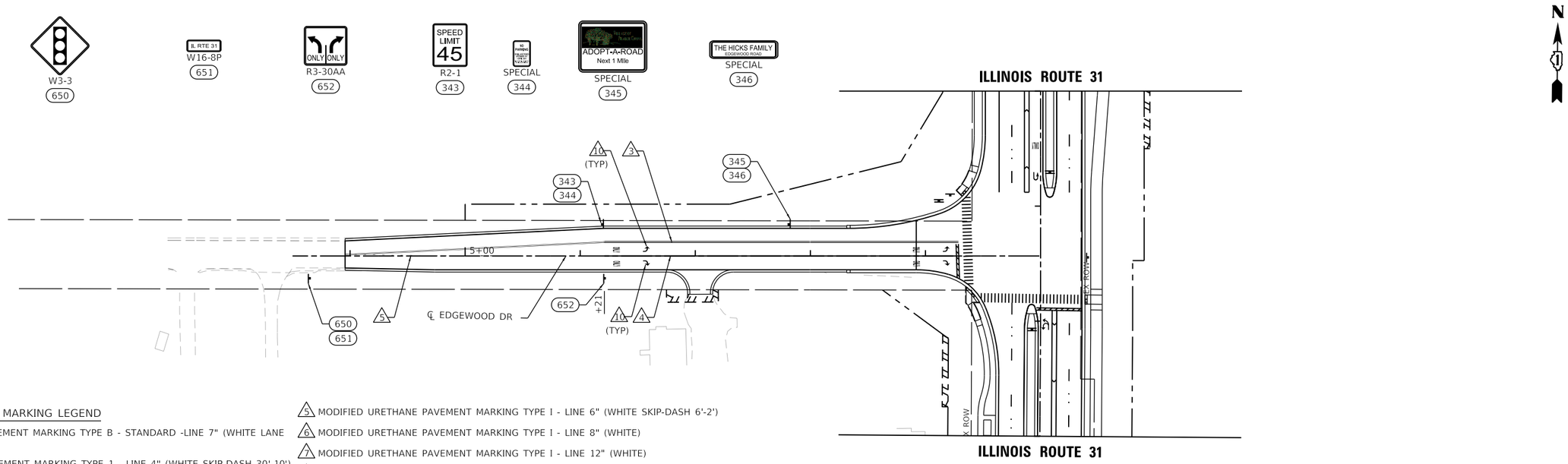
CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◂ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

MODEL: Default
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CONSULTING ENGINEERS

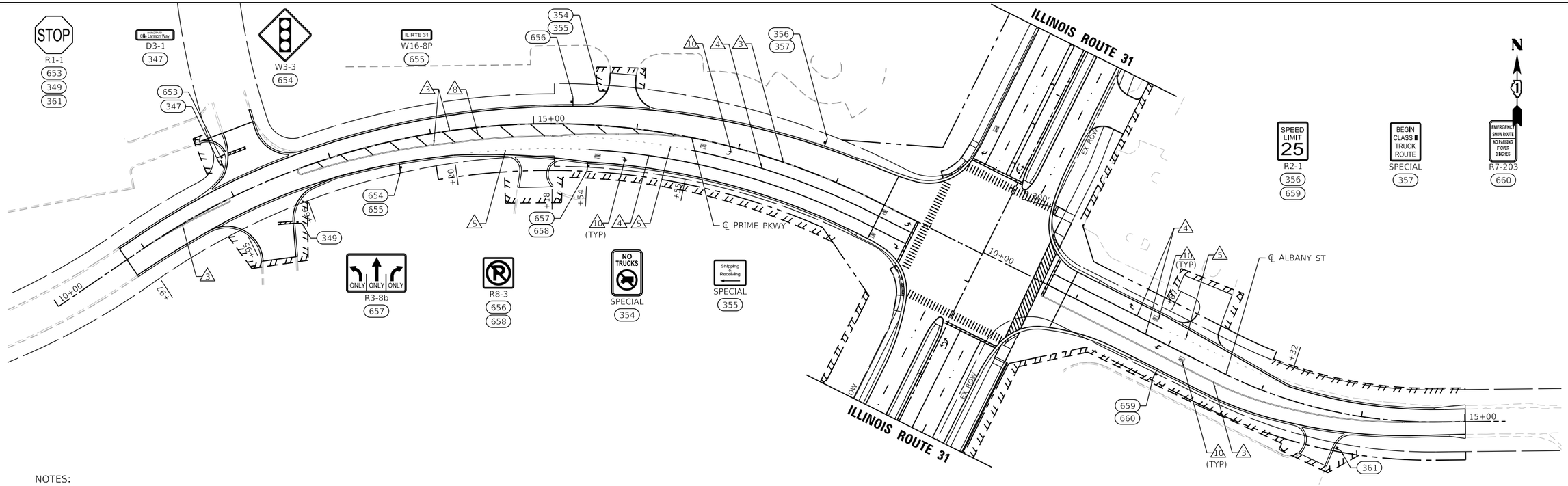
USER NAME = eboelter	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100:1	CHECKED -	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
HALF MILE ROAD AND EDGEWOOD ROAD

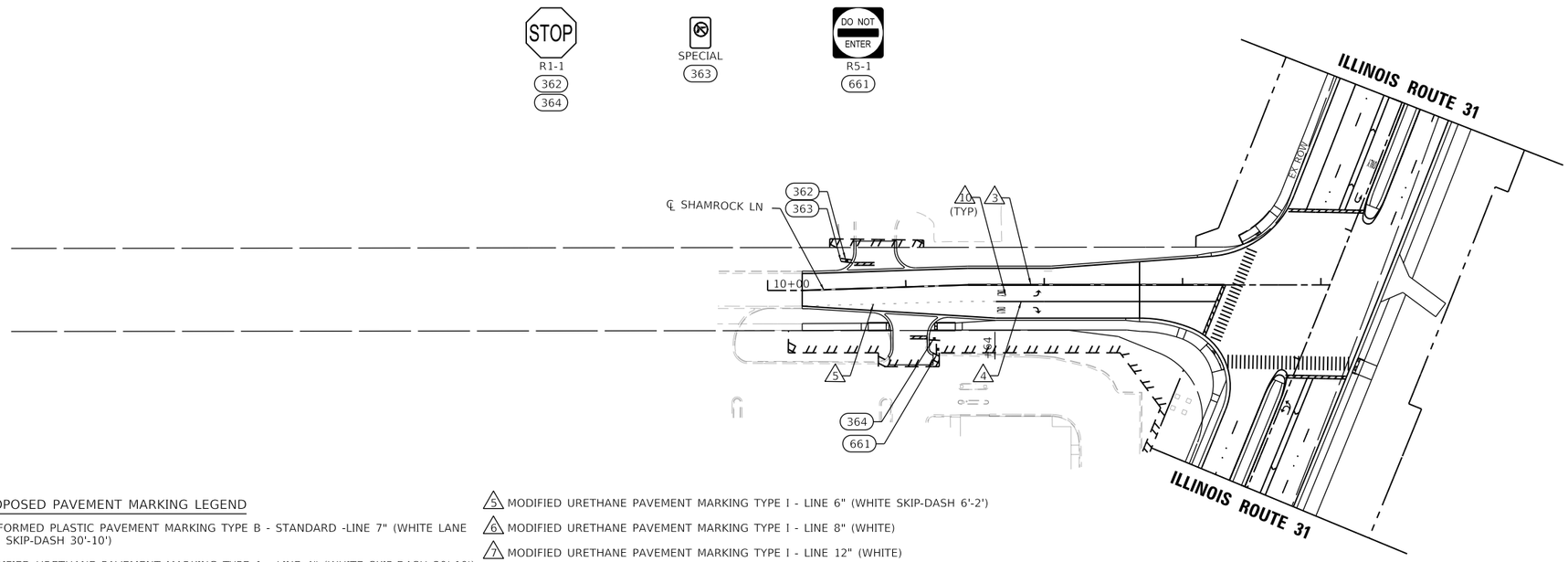
SCALE: 1"=50' | SHEET 12 OF 13 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	559
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. EXISTING SIGNS BEGIN AT #100. PROPOSED SIGNS BEGIN AT #500.
2. SEE EXISTING SIGN SCHEDULE FOR EXISTING SIGN REMOVALS.



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING TYPE B - STANDARD -LINE 7" (WHITE LANE LINE SKIP-DASH 30'-10')
1A. MODIFIED URETHANE PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE SKIP-DASH 30'-10')
2. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
3. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW)
4. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
5. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6" (WHITE SKIP-DASH 6'-2')
6. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
7. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
9. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
10. MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)

◁ RAISED REFLECTIVE PAVEMENT MARKER, ONE-WAY CRYSTAL

MODEL: Default
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CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
PRIME PKWY/ALBANY ST & SHAMROCK LN

SCALE: 1"=50' | SHEET 13 OF 13 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	560
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

EXISTING SIGN SCHEDULE

SIGN I.D.	LOCATION	EXISTING		PROPOSED		MUTCD or IDOT SIGN DESIGNATION	SIGN DESCRIPTION	EXISTING MOUNTING TYPE	PROPOSED MOUNTING TYPE	EXISTING PANEL DIMENSIONS		EX PANEL AREA	72400100 REMOVE SIGN PANEL ASSEMBLY TYPE A	72400500 RELOCATE SIGN PANEL ASSEMBLY TYPE A	72400600 RELOCATE SIGN PANEL ASSEMBLY TYPE B	72400710 RELOCATE SIGN PANEL TYPE 1	72800100 TELES STEEL SIGN SUPPORT	72900100 METAL POST TYPE A	72900200 METAL POST TYPE B
		STATION	OFFSET	STATION	OFFSET					WIDTH (IN)	HEIGHT (IN)	(SF)	(EACH)	(EACH)	(EACH)	(SQ FT)	(FT)	(FT)	(FT)
100	IL 31	124+43	RT	124+43	RT	M3-1	CARDINAL DIRECTION - NORTH	TELESCOPING	TELESCOPING	24	12	2.00		1			16		
101						M1-I100	STATE ROUTE MARKER (INDEPENDENT MOUNT) - IL 31			24	24	4.00							
102	IL 31	125+95	RT	125+95	RT	R2-1	SPEED LIMIT - 40 MPH	METAL	TELESCOPING	24	30	5.00				5.00	15.5		
103	IL 31	127+51	RT	127+51	RT	R8-3	NO PARKING (SYMBOL)	METAL	TELESCOPING	24	24	4.00				4.00			
104	IL 31	127+52	LT	127+52	LT	R8-3	NO PARKING (SYMBOL)	METAL	TELESCOPING	24	24	4.00				4.00			
105	IL 31	127+86	MEDIAN			R6-2R	ONE WAY	METAL		24	30	5.00							
106	IL 31	128+87	MEDIAN			R4-7	KEEP RIGHT	METAL		24	30	5.00							
107						R3-5L	MANDATORY LANE CONTROL - LEFT			24	30	5.00							
108	IL 31	128+98	LT	128+77	LT	M2-1	JUNCTION	POLE	TELESCOPING	30	21	4.38		1			18.75		
109						M1-I100	STATE ROUTE MARKER (INDEPENDENT MOUNT) - IL 176			36	36	9.00							
110						D3-1	STREET NAME (1-LINE, B/W) - TERRA COTTA AVE			36	12	3.00							
111	IL 31	129+09	LT	129+09	LT	D3-1	STREET NAME (1-LINE) - REILAND DR	METAL	TELESCOPING	30	12	2.50		1			15		
112						D3-1	STREET NAME (1-LINE) - S RT. 31			30	12	2.50							
113	IL 31	129+16	LT	129+14	LT	R1-1	STOP	METAL	TELESCOPING	30	30	6.25		1			15.5		
114	IL 31	131+28	RT	131+30	RT	R3-9b	TWO-WAY LEFT TURN ONLY (POST-MOUNTED)	METAL	TELESCOPING	24	36	6.00				6.00	16		
115	IL 31	132+16	LT	132+16	LT	SPECIAL	LOCAL ATTRATIONS / CITY OF CRYSTAL LAKE	GROUND	GROUND	44	45	13.75			1				
116	IL 31	132+38	RT	132+18	RT	W2-1	INTERSECTION WARNING	TELESCOPING	TELESCOPING	30	30	6.25		1			16.2		
117						W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - RAY STREET			24	8	1.33							
118	IL 31	134+49	LT	134+49	LT	R3-9b	TWO-WAY LEFT TURN ONLY (POST-MOUNTED)	METAL	TELESCOPING	24	36	6.00				6.00	16		
119	IL 31	135+45	RT	135+45	RT	R8-3	NO PARKING (SYMBOL)	TELESCOPING	TELESCOPING	24	24	4.00				4.00	15		
120	IL 31	135+46	LT	135+46	LT	R8-3	NO PARKING (SYMBOL)	METAL	TELESCOPING	24	24	4.00				4.00	15		
121	IL 31	136+50	LT	136+50	LT	R2-1	SPEED LIMIT - 40 MPH	METAL	TELESCOPING	24	30	5.00				5.00	15.5		
122	IL 31	137+53	RT	137+53	RT	D3-1	STREET NAME (1-LINE) - Ill Rte 31	TELESCOPING	TELESCOPING	30	12	2.50		1			15		
123						D3-1	STREET NAME (1-LINE) - Ill Rte 31			30	12	2.50							
124						D3-1	STREET NAME (1-LINE) - Ray St			24	12	2.00							
125						D3-1	STREET NAME (1-LINE) - Ray St			24	12	2.00							
126	IL 31	137+63	LT	137+62	LT	R1-1	STOP	METAL	TELESCOPING	30	30	6.25		1			15.5		
127	IL 31	138+16	RT	138+25	RT	R1-1	STOP	METAL	TELESCOPING	30	30	6.25		1			15.5		
128	IL 31	138+21	LT	138+21	LT	D3-1	STREET NAME (1-LINE) -Ray St	POLE	POLE	24	12	2.00		1					
129						D3-1	STREET NAME (1-LINE) - IL Route 31			24	12	2.00							
130	IL 31	138+45	RT			W4-2	LANE ENDS	METAL		36	36	9.00	1						
131	IL 31	139+05	RT			R2-1	SPEED LIMIT - 40 MPH	TELESCOPING		24	30	5.00	1						
132	IL 31	140+00	LT			R3-5R	MANDATORY LANE CONTROL - RIGHT	POLE		30	36	7.50	1						
133	IL 31	141+62	RT			R3-2	MOVEMENT PROHIBITION - NO LEFT TURN	TELESCOPING		24	24	4.00	1						
134	IL 31	142+00	LT			R3-2	MOVEMENT PROHIBITION - NO LEFT TURN	METAL		24	24	4.00	1						
135	IL 31	141+69	LT			R5-1	DO NOT ENTER	METAL		30	30	6.25	1						
136	IL 31	141+69	LT	141+69	LT	R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL	TELESCOPING	30	36	7.50		1			16		
137	IL 31	141+71	LT	141+78	LT	R1-1	STOP	METAL	TELESCOPING	30	30	6.25		1			15.5		
138	IL 31	143+87	LT			R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL		30	36	7.50	1						
139	IL 31	146+00	RT			R2-1	SPEED LIMIT - 45 MPH	POLE		24	30	5.00	1						
140	IL 31	149+16	LT			R2-1	SPEED LIMIT - 40 MPH	METAL		24	30	5.00	1						
141	IL 31	151+00	RT	150+68	RT	R3-5R	MANDATORY LANE CONTROL - RIGHT	POLE		30	36	7.50		1			16		
142	IL 31	152+65	RT	152+74	RT	D3-1	STREET NAME (1-LINE) ILL Rte 31	TELESCOPING	TELESCOPING	24	12	2.00		1			15		
143						D3-1	STREET NAME (1-LINE) ILL Rte 31			24	12	2.00							
144						D3-1	STREET NAME (1-LINE) River Birch Blvd			36	12	3.00							
145						D3-1	STREET NAME (1-LINE) River Birch Blvd			36	12	3.00							
146	IL 31	153+53	RT	153+52	RT	R1-1	STOP	TELESCOPING	TELESCOPING	30	30	6.25		1			15.5		
147	IL 31	154+35	RT	154+26	RT	W7-6	HILL BLOCKS VIEW	POLE	TELESCOPING	36	36	9.00		1			17.2		
148	IL 31	156+01	LT			R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL		30	36	7.50	1						
149	IL 31	156+68	RT			W2-1	INTERSECTION WARNING	POLE		30	30	6.25	1						
150				156+45	RT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Drake Dr			24	8	1.33		1		1.33			
151	IL 31	162+42	RT			R3-5R	MANDATORY LANE CONTROL - RIGHT	TELESCOPING		30	36	7.50	1						
152	IL 31	162+76	RT	162+82	RT	D3-1	STREET NAME (1-LINE) ILL Rte 31	TELESCOPING	TELESCOPING	24	12	2.00		1			15		
153						D3-1	STREET NAME (1-LINE) ILL Rte 31			24	12	2.00							
154						D3-1	STREET NAME (1-LINE) Drake Dr			24	12	2.00							
155						D3-1	STREET NAME (1-LINE) Drake Dr			24	12	2.00							
156	IL 31	162+87	RT	162+87	RT	SPECIAL	NO CONSTRUCTION TRAFFIC ALLOWED	TELESCOPING	TELESCOPING	30	24	5.00		1			18.5		
157						W14-2	NO OUTLET			30	30	6.25							
158	IL 31	163+39	RT	163+50	RT	SPECIAL	NO CONSTRUCTION TRAFFIC ALLOWED	TELESCOPING	TELESCOPING	30	24	5.00		1			15.5		
159						R1-1	STOP			30	30	6.25							
160	IL 31	163+82	LT			R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL		30	36	7.50	1						
161	IL 31	168+72	LT			W2-1	INTERSECTION WARNING	WOOD		30	30	6.25	1						
162				169+94	LT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Drake Dr			24	8	1.33				1.33			
163	IL 31	170+12	LT			R2-1	SPEED LIMIT - 45 MPH	TELESCOPING		24	30	5.00	1						
164	IL 31	176+47	LT	176+48	LT	R1-1	STOP	TELESCOPING	TELESCOPING	30	30	6.25		1			15.5		
165	IL 31	176+50	LT			W14-3	NO PASSING ZONE (PENNANT)	WOOD		48	36	12.00	1						
166	IL 31	177+14	LT	177+03	LT	W14-2	NO OUTLET	TELESCOPING	TELESCOPING	24	24	4.00					15		
167	IL 31	177+20	LT	177+09	LT	D3-1	STREET NAME (1-LINE) - Oakcrest Rd	TELESCOPING	TELESCOPING	30	12	2.50		1			15		
168						D3-1	STREET NAME (1-LINE) - Oakcrest Rd			30	12	2.50							
169						D3-1	STREET NAME (1-LINE) - ILL Rte 31			24	12	2.00							
170						D3-1	STREET NAME (1-LINE) - ILL Rte 31			24	12	2.00							

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SIGN SCHEDULE
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	561
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

EXISTING SIGN SCHEDULE

SIGN I.D.	LOCATION	EXISTING		PROPOSED		MUTCD or IDOT SIGN DESIGNATION	SIGN DESCRIPTION	EXISTING MOUNTING TYPE	PROPOSED MOUNTING TYPE	EXISTING PANEL DIMENSIONS		EX PANEL AREA	72400100 REMOVE SIGN PANEL ASSEMBLY TYPE A	72400500 RELOCATE SIGN PANEL ASSEMBLY TYPE A	72400600 RELOCATE SIGN PANEL ASSEMBLY TYPE B	72400710 RELOCATE SIGN PANEL TYPE 1	72800100 TELES STEEL SIGN SUPPORT	72900100 METAL POST TYPE A	72900200 METAL POST TYPE B
		STATION	OFFSET	STATION	OFFSET					WIDTH (IN)	HEIGHT (IN)	(SF)	(EACH)	(EACH)	(EACH)	(SQ FT)	(FT)	(FT)	(FT)
171	IL 31	182+43	LT			W2-2	INTERSECTION WARNING	WOOD		30	30	6.25	1						
172				182+37	LT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - OAK CREST ROAD			30	8	1.67		1					
173	IL 31	191+23	RT	191+23	RT	SPECIAL	THE FOUNTAINS SENIOR LIVING SIGN	GROUND	GROUND	108	108	81.00			1				
174	IL 31	191+56	RT	191+62	RT	R1-1	STOP	TELESCOPING	TELESCOPING	30	30	6.25		1			15.5		
175	IL 31	197+57	LT			SPECIAL	NO PARKING ALONG HIGHWAY	WOOD		12	18	1.50	1						
176	IL 31	199+32	RT			W2-2	INTERSECTION WARNING			30	30	6.25	1						
177				199+32	RT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Half Mile Trail			30	8	1.67				1.67			
178	IL 31	201+62	RT	201+62	RT	I1-I100	PRAIRIE GROVE 1900	TELESCOPING	TELESCOPING	48	24	8.00		1			17.5		
179		201+62				SPECIAL	WELCOME TO A GREEN POWER COMMUNITY			24	30	5.00							
180	IL 31	202+64	RT			W11-10	TRUCK	TELESCOPING		30	30	6.25	1						
181	IL 31	206+36	LT	206+24	LT	D3-1	STREET NAME (1-LINE) HALF MILE RD	METAL		24	12	2.00	1						
182						D3-1	STREET NAME (1-LINE) ROUTE 31			24	12	2.00							
183	IL 31	206+40	LT	206+40	LT	SPECIAL	NUNDA TOWNSHIP OFFICES	WOOD	TELESCOPING	42	36	10.50							
184										42	36	10.50			1		17.5		
185	IL 31	206+40	LT	206+40	LT	R7-1	NO PARKING ANYTIME			12	18	1.50				1.50			
186	IL 31	206+53	LT	206+46	LT	R1-1	STOP	TELESCOPING		30	30	6.25				6.25			
187	IL 31	206+73	RT	206+75	RT	W1-7	TWO-DIRECTION LARGE ARROW	TELESCOPING	TELESCOPING	48	24	8.00				8.00	15		
188	IL 31	208+24	RT			R2-1	SPEED LIMIT - 55 MPH	TELESCOPING		24	30	5.00	1						
189	IL 31	211+20	LT			W11-10	TRUCK	METAL		30	30	6.25	1						
190	IL 31	214+24	LT			W2-2	INTERSECTION WARNING	WOOD		30	30	6.25	1						
191				214+24	LT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Half Mile Trail			30	8	1.67				1.67			
192	IL 31	233+47	RT			W2-2	INTERSECTION WARNING	WOOD		30	30	6.25	1						
193				232+70	RT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Ames Rd			18	8	1.00				1.00			
194	IL 31	237+91	LT			R2-1	SPEED LIMIT - 55 MPH	METAL		24	30	5.00	1						
195	IL 31	239+23	RT	239+23	RT	SPECIAL	ADOPT-A-ROAD	WOOD	TELESCOPING	30	24	5.00							
196						SPECIAL	GOUDSCHAAL			30	6	1.25		1			17		
197						SPECIAL	NO PARKING SPECIAL			12	18	1.50							
198	IL 31	239+46	LT			W1-7	TWO-DIRECTION LARGE ARROW	TELESCOPING		48	24	8.00	1						
199	IL 31	239+68	RT	239+74	RT	R1-1	STOP	TELESCOPING	TELESCOPING	30	30	6.25		1			15.5		
200	IL 31	239+68	RT	239+86	RT	D3-1	STREET NAME (1-LINE) Ames Rd	TELESCOPING	TELESCOPING	24	12	2.00							
201						D3-1	STREET NAME (1-LINE) Ames Rd			24	12	2.00		1			15		
202						D3-1	STREET NAME (1-LINE) Route 31			24	12	2.00							
203						D3-1	STREET NAME (1-LINE) Route 31			24	12	2.00							
204	IL 31	242+76	LT			R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL		30	36	7.50	1						
205	IL 31	243+66	RT	243+66	RT	I1-I107a	LOVE THE LAND OF LINCOLN	METAL	TELESCOPING	30	36	7.50							
206						I1-I107b	ADOPT-A-HIGHWAY			30	18	3.75		1			19.6		
207						I1-I107c	CLEANUP CREW WORKING & KEEP ILLINOIS CLEAN			36	36	9.00							
208	IL 31	244+51	LT			R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL		30	36	7.50	1						
209	IL 31	246+09	LT			R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL		30	36	7.50	1						
210	IL 31	247+47	LT			W2-2	INTERSECTION WARNING	METAL		30	30	6.25	1						
211				246+19	LT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - AMES RD			18	8	1.00				1.00			
212	IL 31	252+32	LT	252+30	LT	R1-1	STOP	TELESCOPING		30	30	6.25	1						
213	IL 31	252+51	RT	252+55	RT	W1-7	TWO-DIRECTION LARGE ARROW	METAL		48	24	8.00		1			15		
214	IL 31	252+97	LT	253+05	LT	SPECIAL	NUNDA TOWNSHIP OFFICES	WOOD	TELESCOPING	42	36	10.50		1			16		
215						SPECIAL	NUNDA TOWNSHIP OFFICES			42	36	10.50							
216	IL 31	253+00	LT	253+09	LT	D3-1	STREET NAME (1-LINE) - Edgewood Rd	TELESCOPING	TELESCOPING	24	12	2.00							
217						D3-1	STREET NAME (1-LINE) - Edgewood Rd					0.00		1			15		
218						D3-1	STREET NAME (1-LINE) - Route 31					0.00							
219						D3-1	STREET NAME (1-LINE) - Route 31			24	12	2.00							
220	IL 31	254+16	RT			R2-1	SPEED LIMIT - 55 MPH	TELESCOPING		24	30	5.00	1						
221	IL 31	261+64	LT			W2-2	INTERSECTION WARNING	WOOD		30	30	6.25	1						
222				259+75	LT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - EDGEWOOD RD			30	8	1.67				1.67			
223	IL 31	263+14	RT			W2-2	INTERSECTION WARNING	TELESCOPING		30	30	6.25	1						
224				271+91	RT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Gracy Rd			24	8	1.33				1.33			
225	IL 31	277+69	LT			R2-1	SPEED LIMIT - 55 MPH	METAL		24	30	5.00	1						
226	IL 31	279+29	RT	279+39	RT	R1-1	STOP	TELESCOPING	TELESCOPING	30	30	6.25		1			15.5		
227	IL 31	279+32	RT	279+42	RT	D3-1	STREET NAME (1-LINE) Gracy Rd	TELESCOPING	TELESCOPING	24	12	2.00							
228						D3-1	STREET NAME (1-LINE) Gracy Rd			24	12	2.00		1			15		
229						D3-1	STREET NAME (1-LINE) Route 31			24	12	2.00							
230						D3-1	STREET NAME (1-LINE) Route 31			24	12	2.00							
231	IL 31	279+34	RT	279+45	RT	M1-I100	STATE ROUTE MARKER (INDEPENDENT MOUNT) - ILLINOIS 31	TELESCOPING	TELESCOPING	24	24	4.00		1			15		
232						M6-4	DIRECTIONAL ARROW - TWO-DIRECTION			21	15	2.19							
233	IL 31	280+22	LT	280+21	LT	I1-I100	PRAIRIE GROVE 1900	METAL	TELESCOPING	48	24	8.00		1			15		
234	IL 31	281+00	RT			R2-1	SPEED LIMIT - 55 MPH	TELESCOPING		24	30	5.00	1						
235	IL 31	286+21	LT			W2-2	INTERSECTION WARNING	POLE		30	30	6.25	1						
236				286+23	LT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Gracy Rd			24	8	1.33				1.33			
237		291+61	LT			W14-3	NO PASSING ZONE (PENNANT)	WOOD		48	36	12.00	1						
238	IL 31	310+84	RT			R2-1	SPEED LIMIT - 50 MPH	TELESCOPING		24	30	5.00	1						
239	IL 31	310+85	LT			R2-1	SPEED LIMIT - 55 MPH	METAL		24	30	5.00	1						

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100:1	CHECKED -	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SIGN SCHEDULE
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	562
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

EXISTING SIGN SCHEDULE

SIGN I.D.	LOCATION	EXISTING		PROPOSED		MUTCD or IDOT SIGN DESIGNATION	SIGN DESCRIPTION	EXISTING MOUNTING TYPE	PROPOSED MOUNTING TYPE	EXISTING PANEL DIMENSIONS		EX PANEL AREA	72400100 REMOVE SIGN PANEL ASSEMBLY TYPE A	72400500 RELOCATE SIGN PANEL ASSEMBLY TYPE A	72400600 RELOCATE SIGN PANEL ASSEMBLY TYPE B	72400710 RELOCATE SIGN PANEL TYPE 1	72800100 TELES STEEL SIGN SUPPORT	72900100 METAL POST TYPE A	72900200 METAL POST TYPE B
		STATION	OFFSET	STATION	OFFSET					WIDTH (IN)	HEIGHT (IN)	(SF)	(EACH)	(EACH)	(EACH)	(SQ FT)	(FT)	(FT)	(FT)
240	IL 31	317+85	RT	316+00	RT	SPECIAL	NO TRUCKS REGISTERED 26,000 LBS OR HIGHER SINGLE OR COMBINATION	TELESCOPING	TELESCOPING	24	30	5.00							
241						D3-1	STREET NAME (1-LINE) VETERANS PKWY			30	8	1.67		1			17.75		
242						M6-1R	DIRECTIONAL ARROW - RIGHT			21	15	2.19							
243	IL 31	319+33	RT			W2-2	INTERSECTION WARNING	TELESCOPING		30	30	6.25	1						
244				317+00	RT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Veterans Pkwy			30	8	1.67				1.67			
245	IL 31	320+78	LT			SPECIAL	THE CHAPEL ENTER	TELESCOPING		30	24	5.00	1						
246						SPECIAL	THE CHAPEL ENTER			30	24	5.00							
247	IL 31	321+27	LT	322+51	LT	SPECIAL	THE CHAPEL ENTER	TELESCOPING	TELESCOPING	30	24	5.00		1			15		
248						SPECIAL	THE CHAPEL ENTER			30	24	5.00							
249	IL 31	322+17	RT			R3-5R	MANDATORY LANE CONTROL - RIGHT	TELESCOPING		30	36	7.50	1						
250	IL 31	322+40	LT			SPECIAL	DO NOT ENTER - EXIT ONLY	TELESCOPING		30	24	5.00	1						
251	IL 31	323+30	LT	322+94	LT	SPECIAL	THE CHAPEL ENTER	TELESCOPING	TELESCOPING	30	24	5.00		1			15		
252						SPECIAL	THE CHAPEL ENTER			30	24	5.00							
253	IL 31	324+30	RT	324+31	RT	R3-R5	MANDATORY LANE CONTROL - RIGHT	TELESCOPING	TELESCOPING	30	36	7.50		1			16		
254	IL 31	324+34	RT	324+32	RT	R1-1	STOP	METAL	TELESCOPING	30	30	6.25		1			15.5		
255	IL 31	324+72	RT	324+87	RT	R1-1	STOP	METAL	TELESCOPING	30	30	6.25		1			15.5		
256	IL 31	324+86	RT	325+07	RT	D3-1	STREET NAME (1-LINE) Rt 31	POLE	TELESCOPING	24	12	2.00		1			15		
257						D3-1	STREET NAME (1-LINE) Rt 31			24	12	2.00							
258						D3-1	STREET NAME (1-LINE) Veterans Pkwy			30	12	2.50							
259						D3-1	STREET NAME (1-LINE) Veterans Pkwy			30	12	2.50							
260	IL 31	325+92	RT			W2-2	INTERSECTION WARNING	TELESCOPING		30	30	6.25	1						
261				325+94	RT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Hi-Point Rd			24	8	1.33				1.33			
262	IL 31	327+84	RT	327+84	RT	SPECIAL	WATER CONSERVATION STATUS	TELESCOPING	TELESCOPING	24	18	3.00		1			18.00		
263						SPECIAL	EVEN/ODD PERMITTED			24	12	2.00							
264						SPECIAL	TREE CITY USA Arbor Day Foundation Growth Award			24	30	5.00							
265	IL 31	329+43	LT			W2-2	INTERSECTION WARNING	METAL		30	30	6.25	1						
266				330+52	LT	W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Veterans Pkwy			30	8	1.67				1.67			
267	IL 31	331+15	LT			R2-1	SPEED LIMIT - 50 MPH	TELESCOPING		24	30	5.00	1						
268						SPECIAL	NO PARKING ALONG HIGHWAY			12	18	1.50	1						
269	IL 31	331+97	LT	331+87	LT	R1-1	STOP	TELESCOPING	TELESCOPING	30	30	6.25		1			15.5		
270	IL 31	332+76	LT	332+65	LT	D3-1	STREET NAME (1-LINE) - Hi-point Rd	TELESCOPING	TELESCOPING	30	12	2.50		1			15		
271						D3-1	STREET NAME (1-LINE) - Rt 31			24	12	2.00							
272	IL 31	332+78	LT	332+72	LT	SPECIAL	NO TRUCKS REGISTERED 26,000 LBS OR HIGHER SINGLE OR COMBINATION	METAL	TELESCOPING	24	30	5.00		1			17.75		
273						D3-1	STREET NAME (1-LINE) VETERANS PKWY			30	12	2.50							
274						M6-1L	DIRECTIONAL ARROW - LEFT			21	15	2.19							
275	IL 31	333+33	RT			R2-1	SPEED LIMIT - 45 MPH	TELESCOPING		24	30	5.00	1						
276	IL 31	336+42	LT	336+45	LT	R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL	TELESCOPING	30	36	7.50		1			16		
277	IL 31	336+45	LT	336+52	LT	R1-1	STOP	METAL	TELESCOPING	30	30	6.25		1			15.5		
278	IL 31	336+54	RT	336+54	RT	SPECIAL	MCHENRY ART FOR ALL	METAL	TELESCOPING	24	30	5.00		1			15.5		
279	IL 31	338+26	LT			R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL		30	36	7.50	1						
280	IL 31	341+60	RT	339+70	RT	R3-5R	MANDATORY LANE CONTROL - RIGHT	TELESCOPING	TELESCOPING	30	36	7.50		1			16		
281	IL 31	341+84				CUSTOM	ALBANY ST & PRIME PKWY	POLE		30	24	5.00							
282	IL 31	341+92	LT	341+90	LT	SPECIAL	END CLASS II TRUCK ROUTE	POLE	METAL	18	24	3.00		1				12.5	
283	IL 31	342+15	RT	342+00	RT	SPECIAL	BEGIN CLASS II TRUCK ROUTE	METAL	METAL	18	24	3.00		1				12.5	
284	IL 31	342+54	RT			SPECIAL	END CLASS II TRUCK ROUTE	METAL		18	24	3.00	1						
285	IL 31	342+89	LT	345+33	LT	R3-5R	MANDATORY LANE CONTROL - RIGHT	POLE	TELESCOPING	30	36	7.50		1			16		
286	IL 31	343+53	RT			R3-5R	MANDATORY LANE CONTROL - RIGHT	TELESCOPING		30	36	7.50	1						
287	IL 31	336+89	LT			R3-2	MOVEMENT PROHIBITION - NO LEFT TURN	TELESCOPING		24	24	4.00	1						
288	IL 31	348+51	RT			D1-3R	DESTINATION - PIONEER CENTER	TELESCOPING		24	24	4.00	1						
289	IL 31	348+52	LT	348+52	LT	I1-I107a	LOVE THE LAND OF LINCOLN	TELESCOPING	TELESCOPING	30	36	7.50		1			20.5		
290						I1-I107b	ADOPT-A-HIGHWAY			30	18	3.75							
291						I1-I107c	CLEANUP CREW WORKING & KEEP ILLINOIS CLEAN			36	36	9.00							
292	IL 31	351+52	RT			R3-5R	MANDATORY LANE CONTROL - RIGHT	TELESCOPING		30	36	7.50	1						
293	IL 31	351+93	RT	352+00	RT	D3-1	STREET NAME (1-LINE) Pioneer Way	METAL	TELESCOPING	24	8	1.33		1			15.67		
294						D3-1	STREET NAME (1-LINE) Rt 31			24	12	2.00							
295						D3-1	STREET NAME (1-LINE) Dayton St			30	12	2.50							
296	IL 31	352+61	RT	352+67	RT	R1-1	STOP	TELESCOPING	TELESCOPING	30	30	6.25		1			15.5		
297	IL 31	355+79	LT			D1-3L	DESTINATION - PIONEER CENTER	WOOD		24	24	4.00	1						
298	IL 31	356+87	RT			R2-1	SPEED LIMIT - 45 MPH	TELESCOPING		24	30	5.00	1						
299	IL 31	356+90	LT			R2-1	SPEED LIMIT - 45 MPH	METAL		24	30	5.00	1						
300	IL 31	360+51	LT			R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL		30	36	7.50	1						
301	IL 31	364+93	RT	364+93	RT	D9-2	HOSPITAL	TELESCOPING	TELESCOPING	24	24	4.00		1			16.25		
302						M5-1L	ADVANCE TURN ARROW - LEFT			21	15	2.19							
303	IL 31	367+65	RT	367+65	RT	D9-2	HOSPITAL	TELESCOPING	TELESCOPING	24	24	4.00		1			16.25		
304						M6-1L	DIRECTIONAL ARROW - LEFT			21	15	2.19							
305	IL 31	368+69	RT	368+50	RT	W1-7	TWO-DIRECTION LARGE ARROW	POLE	TELESCOPING	48	24	8.00		1			15		
306	IL 31	369+00	LT	370+85	LT	R3-5R	MANDATORY LANE CONTROL - RIGHT	METAL	TELESCOPING	30	36	7.50		1			16		
307	IL 31	373+15	LT			R2-1	SPEED LIMIT - 45 MPH	METAL		24	30	5.00	1						
308	IL 31	373+21	RT			R2-1	SPEED LIMIT - 45 MPH	TELESCOPING		24	30	5.00	1						
309	IL 31	375+11	RT	375+11	RT	D3-1	STREET NAME SIGN (1-LINE) Mercy Dr	TELESCOPING		24	12	2.00				2.00			
310						D3-1	STREET NAME SIGN (1-LINE) IL RT 31			24	12	2.00	1			2.00			
311						D1-3R	DESTINATION - HEALTH CENTER			24	24	4.00							
312						D1-3L	DESTINATION - HEALTH CENTER			24	24	4.00							

EXISTING SIGN SCHEDULE

SIGN I.D.	LOCATION	EXISTING		PROPOSED		MUTCD or IDOT SIGN DESIGNATION	SIGN DESCRIPTION	EXISTING MOUNTING TYPE	PROPOSED MOUNTING TYPE	EXISTING PANEL DIMENSIONS		EX PANEL AREA	72400100 REMOVE SIGN PANEL ASSEMBLY TYPE A	72400500 RELOCATE SIGN PANEL ASSEMBLY TYPE A	72400600 RELOCATE SIGN PANEL ASSEMBLY TYPE B	72400710 RELOCATE SIGN PANEL TYPE 1	72800100 TELES STEEL SIGN SUPPORT	72900100 METAL POST TYPE A	72900200 METAL POST TYPE B
		STATION	OFFSET	STATION	OFFSET					WIDTH (IN)	HEIGHT (IN)	(SF)	(EACH)	(EACH)	(EACH)	(SQ FT)	(FT)	(FT)	(FT)
313	IL 31	375+76	RT	375+93	RT	R1-1	STOP	TELESCOPING	TELESCOPING	30	30	6.25		1			15.5		
314	IL 31	379+82	MEDIAN			R4-7	KEEP RIGHT	TELESCOPING		24	30	5.00	1						
315	IL 31	380+60	LT			R1-1	STOP	METAL		30	30	6.25	1						
316	IL 31	380+74	MEDIAN			R6-2R	ONE WAY	TELESCOPING		24	30	5.00	1						
317	IL 31	381+29	LT	381+31	LT	D3-1	STREET NAME (1-LINE) - IL RT 31	TELESCOPING	TELESCOPING	24	12	2.00		1			15		
318						D3-1	STREET NAME (1-LINE) - Medical Ctr Dr			24	12	2.00							
319	IL 31	383+69	RT	383+69	RT	M2-1	JUNCTION	TELESCOPING	TELESCOPING	21	15	2.19		1			20.75		
320						M1-6	COUNTY ROUTE SIGN - MCHENRY COUNTY A32			30	24	5.00							
321						D3-1	STREET NAME (1-LINE) - Bull Valley Rd			30	12	2.50							
322						M5-1L	ADVANCE TURN ARROW - LEFT			21	15	2.19							
323						D3-1	STREET NAME (1-LINE) - Miller Rd			24	12	2.00							
324						M5-1R	ADVANCE TURN ARROW - RIGHT			21	15	2.19							
325	IL 31	384+75	LT			W4-2	LANE ENDS	TELESCOPING		36	36	9.00	1						
326	IL 31	384+92	RT	385+03	RT	SPECIAL	ENTER	METAL	TELESCOPING	24	12	2.00		1			14		
327	IL 31	385+50	RT	385+50	RT	R3-5R	MANDATORY LANE CONTROL - RIGHT	TELESCOPING	TELESCOPING	30	36	7.50		1			16		
328	IL 31	388+30	LT			R2-1	SPEED LIMIT - 45 MPH	METAL		30	36	7.50	1						
329	IL 31	389+95	LT	389+95	LT	M3-3	CARDINAL DIRECTION - SOUTH	TELESCOPING	TELESCOPING	24	12	2.00		1			16		
330						M1-I100	STATE ROUTE MARKER (INDEPENDENT MOUNT) - IL 31			24	24	4.00							
331	IL 31	393+50	LT	393+50	LT	D9-2	HOSPITAL	TELESCOPING	TELESCOPING	24	24	4.00		1			16.25		
332						M6-3	DIRECTIONAL ARROW - THROUGH			21	15	2.19							
333	IL 31	395+25	RT			W4-2R	LANE ENDS	TELESCOPING		36	36	9.00	1						
334	IL 31	395+85	RT			R2-1	SPEED LIMIT - 45 MPH	TELESCOPING		30	36	7.50	1						
335	HALF MILE RD	40+85	LT	40+85	LT	W1-5	HORIZONTAL ALIGNMENT WARNING	METAL	METAL	30	30	6.25		1					14.5
336	HALF MILE RD	44+38	LT	44+07	LT	R12-1	WEIGHT LIMIT 5 TONS	TELESCOPING	TELESCOPING	24	30	5.00		1			15.5		
337	HALF MILE RD	44+77	LT	44+65	LT	R1-1	STOP	METAL	METAL	30	30	6.25		1					13.5
338	HALF MILE RD	45+27	RT			SPECIAL	NO PARKING OR STANDING	METAL		12	18	1.50	1					12	
339	HALF MILE RD	46+28	RT			W3-1	STOP AHEAD	METAL		30	30	6.25	1						
340						W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - ROUTE 31			24	8	1.33	1						
341	HALF MILE RD	46+70	LT	46+70	LT	R2-1	SPEED LIMIT - 35 MPH	METAL	METAL	24	30	5.00		1					13.5
342	EDGEWOOD	4+28	RT			W3-1	STOP AHEAD	WOOD		30	30	6.25	1						
343	EDGEWOOD	6+48	LT	6+19	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	TELESCOPING	24	30	5.00		1			17		
344						SPECIAL	NO PARKING ON VILLAGE ROADS			12	18	1.50							
345	EDGEWOOD	8+20	LT	7+81	LT	SPECIAL	ADOPT-A-ROAD	METAL	TELESCOPING	30	24	5.00		1			16		
346						SPECIAL	THE HICKS FAMILY			30	12	2.50							
347	PRIME PKWY	12+02	LT	12+02	LT	D3-1	STREET ANEM (2-LINES) HONORARY Olle Larsson Way	METAL	METAL	30	12	2.50		1				11.5	
348	PRIME PKWY	12+09	LT			R1-1	STOP	METAL		30	30	6.25	1						
349	PRIME PKWY	12+46	RT	12+48	RT	R1-1	STOP	METAL	METAL	30	30	6.25		1					13.5
350	PRIME PKWY	13+65	RT			W3-3	SIGNAL AHEAD	METAL		30	30	6.25	1						
351						W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - ILLINOIS RTE31			30	8	1.67							
352	PRIME PKWY	15+36	LT			R8-3	NO PARKING (SYMBOL)	METAL		24	24	4.00	1						
353	PRIME PKWY	15+39	RT			R8-3	NO PARKING (SYMBOL)	METAL		24	24	4.00	1						
354	PRIME PKWY	15+67	LT	15+65	LT	SPECIAL	NO TRUCKS	METAL	TELESCOPING	24	36	6.00		1			17.5		
355						SPECIAL	Shipping & Receiving			24	18	3.00							
356	PRIME PKWY	17+76	LT	17+75	LT	R2-1	SPEED LIMIT - 25 MPH	METAL	TELESCOPING	24	30	5.00		1			17.5		
357						SPECIAL	BEGIN CLASS II TRUCK ROUTE			18	24	3.00							
358	PRIME PKWY	17+76	RT			R3-8	MANDATORY LANE CONTROL - LEFT+THRU AND RIGHT ONLY	METAL		30	30	6.25	1						
359	ALBANY	12+00	RT			R2-1	SPEED LIMIT - 25 MPH	METAL		24	30	5.00	1						
360						SPECIAL	NO PARKING TOW AWAY ZONE			12	18	1.50							
361	ALBANY	13+82	RT	13+83	LT	R1-1	STOP	METAL	METAL	30	30	6.25		1					13.5
362	SHAMROCK	10+56	LT	10+57	LT	R1-1	STOP	TELESCOPING	TELESCOPING	30	30	6.25		1			17		
363						SPECIAL	NO GUNS (SYMBOL)			12	18	1.50							
364	SHAMROCK	11+20	RT	11+21	RT	R1-1	STOP	METAL	METAL	30	30	6.25		1					13.5
365	SHAMROCK	11+23	RT			R5-1	DO NOT ENTER	METAL		30	30	6.25	1						
							TOTALS						**81**	**80**	**3**	**75**	**1233**	**49**	**82**

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SIGN SCHEDULE
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	564
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PROPOSED SIGN SCHEDULE

SIGN I.D.	LOCATION	PROPOSED STATION	PROPOSED OFFSET	MUTCD or IDOT SIGN DESIGNATION	SIGN DESCRIPTION	PROPOSED MOUNTING TYPE	PROPOSED PANEL DIMENSIONS WIDTH (IN)	PROPOSED PANEL DIMENSIONS HEIGHT (IN)	72000100 SIGN PANEL - TYPE 1 (SF)	72000200 SIGN PANEL - TYPE 2 (SF)	72800100 TELES STEEL SIGN SUPPORT (FT)	72900100 METAL POST TYPE A (FT)
515	IL 31	139+03	RT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
518	IL 31	145+36	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
519				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
520	IL 31	149+16	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
521	IL 31	152+65	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
522				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
523	IL 31	153+85	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
524				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
525	IL 31	155+33	RT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
526	IL 31	156+45	RT	W2-1	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
527	IL 31	162+60	MEDIAN	SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)	TELESCOPING	24	30	5.00			
528				R4-7	KEEP RIGHT		24	30	5.00			
529	IL 31	163+79	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00			
530				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
531	IL 31	169+94	LT	W2-1	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
532	IL 31	176+39	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
533	IL 31	176+25	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
534				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
535	IL 31	177+50	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
536				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
537	IL 31	182+37	LT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
538	IL 31	188+70	RT	R3-5R	MANDATORY LANE CONTROL - RIGHT	TELESCOPING	30	36	7.50		16	
539	IL 31	190+49	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
540				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
541	IL 31	191+83	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
542				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
543	IL 31	197+57	LT	R8-3a	NO PARKING	TELESCOPING	24	30	5.00		15.5	
544	IL 31	199+32	RT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
545	IL 31	200+51	MEDIAN	SPECIAL	ADVANCED INTERSECTION LANE CONTROL	TELESCOPING	51	30		10.63	13.5	
546	IL 31	202+64	RT	W11-10	TRUCK	TELESCOPING	36	36	9.00		17.2	
547	IL 31	206+23	MEDIAN	SPECIAL	ADVANCED INTERSECTION LANE CONTROL	TELESCOPING	36	30	7.50		13.5	
548				R4-7	KEEP RIGHT		24	30	5.00			
549	IL 31	206+24	LT	D3-1	STREET NAME (1-LINE) Half Mile Rd	TELESCOPING	30	12	2.50		15	
550				D3-1	STREET NAME (1-LINE) Half Mile Rd		30	12	2.50			
551				D3-1	STREET NAME (1-LINE) ILL Rte 31		24	12	2.00			
552				D3-1	STREET NAME (1-LINE) ILL Rte 31		24	12	2.00			
553	IL 31	207+71	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
554				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
555	IL 31	208+24	RT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
556	IL 31	211+20	LT	W11-10	TRUCK	TELESCOPING	36	36	9.00		17.2	
557	IL 31	214+24	LT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
558	IL 31	220+49	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
559				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
560	IL 31	221+72	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
561				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
562	IL 31	232+70	RT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
563	IL 31	237+91	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
564	IL 31	238+82	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
565				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
566	IL 31	239+93	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
567				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
567A	IL 31	245+20	MEDIAN	R3-5L	MANDATORY LANE CONTROL - LEFT	TELESCOPING	30	36	7.50		16	
567B	IL 31	245+30	MEDIAN	R5-1	DO NOT ENTER	TELESCOPING	30	30	6.25			13
568	IL 31	245+83	RT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
569				W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - Edgewood Rd		30	8	1.67			
570	IL 31	246+19	LT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100:1	CHECKED -	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN SCHEDULE
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	565
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PROPOSED SIGN SCHEDULE

SIGN I.D.	LOCATION	PROPOSED STATION	PROPOSED OFFSET	MUTCD or IDOT SIGN DESIGNATION	SIGN DESCRIPTION	PROPOSED MOUNTING TYPE	PROPOSED PANEL DIMENSIONS WIDTH (IN)	PROPOSED PANEL DIMENSIONS HEIGHT (IN)	72000100 SIGN PANEL - TYPE 1 (SF)	72000200 SIGN PANEL - TYPE 2 (SF)	72800100 TELES STEEL SIGN SUPPORT (FT)	72900100 METAL POST TYPE A (FT)
571	IL 31	251+93	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
572				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
573	IL 31	253+30	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
574				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
575	IL 31	254+04	RT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
576	IL 31	259+75	LT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
577	IL 31	265+40	MEDIAN	R3-I102	U-TURN (SYMBOL) ONLY	TELESCOPING	24	30	5.00		13.5	
578				R4-7	KEEP RIGHT		24	30	5.00			
579	IL 31	265+50	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
580				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
581	IL 31	271+91	RT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
582	IL 31	277+67	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
583	IL 31	278+56	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
584				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
585	IL 31	279+69	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
586				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
587	IL 31	280+92	RT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
588	IL 31	286+23	LT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
589	IL 31	291+58	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
590				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
591	IL 31	293+00	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
592				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
593	IL 31	306+90	MEDIAN	R3-I102	U-TURN (SYMBOL) ONLY	TELESCOPING	24	30	5.00		13.5	
594				R4-7	KEEP RIGHT		24	30	5.00			
595	IL 31	308+23	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
596				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
597	IL 31	317+00	RT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
598	IL 31	320+20	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
599	IL 31	321+72	RT	R3-5R	MANDATORY LANE CONTROL - RIGHT	TELESCOPING	30	36	7.50		16	
600	IL 31	323+66	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
601				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
602	IL 31	324+97	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
603				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
604	IL 31	325+94	RT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
605	IL 31	330+52	LT	W2-2	INTERSECTION WARNING	TELESCOPING	36	36	9.00		17.87	
606	IL 31	331+33	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		17.5	
607				R7-1	NO PARKING ANYTIME		12	18	1.50			
608	IL 31	331+90	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
609				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
610	IL 31	332+96	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
611				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
612	IL 31	334+00	RT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
613	IL 31	341+40	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
614				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
615	IL 31	342+61	RT	SPECIAL	END CLASS II TRUCK ROUTE	METAL	18	24	3.00			12.5
616	IL 31	343+23	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
617				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
618	IL 31	348+50	RT	D1-3R	DESTINATION - PIONEER CENTER	TELESCOPING	42	42		12.25	16.5	
619	IL 31	351+75	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
620				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
621	IL 31	352+84	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
622				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
623	IL 31	355+79	LT	D1-3L	DESTINATION - PIONEER CENTER	TELESCOPING	42	42		12.25	16.5	
624	IL 31	356+85	RT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
625	IL 31	356+90	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
626	IL 31	358+43	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
627				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
628	IL 31	359+83	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		15.5	
629	IL 31	367+70	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
630				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
631	IL 31	369+23	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
632				R3-I102	U-TURN (SYMBOL) ONLY		24	30	5.00			
633	IL 31	373+16	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
634	IL 31	373+20	RT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
635	IL 31	374+60	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
636				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
637	IL 31	375+19	RT	D1-3R	DESTINATION - HEALTH CENTER	TELESCOPING	42	42		12.25	17.5	
638				D1-3L	DESTINATION - HEALTH CENTER		42	42		12.25		
639	IL 31	376+20	MEDIAN	R4-7	KEEP RIGHT	TELESCOPING	24	30	5.00		13.5	
640				SPECIAL	U-TURN OR LEFT-TURN (SYMBOL)		24	30	5.00			
641	IL 31	380+55	LT	R1-1	STOP	TELESCOPING	30	30	6.25		15.5	
642	IL 31	380+66	MEDIAN	R6-2R	ONE WAY	TELESCOPING	30	36	7.50		16	
643	IL 31	388+30	LT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	
644	IL 31	395+85	RT	R2-1	SPEED LIMIT - 45 MPH	TELESCOPING	30	36	7.50		16	

PROPOSED SIGN SCHEDULE

SIGN I.D.	LOCATION	PROPOSED STATION	PROPOSED OFFSET	MUTCD or IDOT SIGN DESIGNATION	SIGN DESCRIPTION	PROPOSED MOUNTING TYPE	PROPOSED PANEL DIMENSIONS WIDTH (IN)	PROPOSED PANEL DIMENSIONS HEIGHT (IN)	72000100 SIGN PANEL - TYPE 1 (SF)	72000200 SIGN PANEL - TYPE 2 (SF)	72800100 TELES STEEL SIGN SUPPORT (FT)	72900100 METAL POST TYPE A (FT)
645	HALF MILE RD	43+86	RT	W3-3	SIGNAL AHEAD	TELESCOPING	30	30	6.25		15.17	
646				W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - IL RTE 31		24	8	1.33			
647	HALF MILE RD	45+27	RT	SPECIAL	NO PARKING OR STANDING	TELESCOPING	12	18	1.50		14.5	
648	HALF MILE RD	46+09	LT	W9-2	LANE ENDS MERGE LEFT	TELESCOPING	36	36	9.00		16	
649	HALF MILE RD	46+44	RT	R3-30AA	LEFT AND RIGHT TURN ONLY	TELESCOPING	36	30	7.50		15.5	
650	EDGEWOOD	3+65	RT	W3-3	SIGNAL AHEAD	TELESCOPING	30	30	6.25		15.17	
651				W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - IL RTE 31		24	8	1.33			
652	EDGEWOOD	6+21	RT	R3-30AA	LEFT AND RIGHT TURN ONLY	TELESCOPING	36	30	7.50		15.5	
653	PRIME PKWY	12+06	LT	R1-1	STOP	TELESCOPING	30	30	6.25		15.5	
654	PRIME PKWY	13+65	RT	W3-3	SIGNAL AHEAD	TELESCOPING	30	30	6.25		15.17	
655				W16-8P	ADVANCE STREET NAME (1-LINE PLAQUE) - IL RTE 31		24	8	1.33			
656	PRIME PKWY	15+36	LT	R8-3	NO PARKING (SYMBOL)	METAL	24	24	4.00			12.5
657	PRIME PKWY	15+54	RT	R3-8b	MANDATORY LANE CONTROL - LEFT THRU RIGHT	TELESCOPING	36	30	7.50		15.5	
658				R8-3	NO PARKING (SYMBOL)		24	24	4.00			
659	ALBANY	12+00	RT	R2-1	SPEED LIMIT - 25 MPH	TELESCOPING	24	30	5.00		15.5	
660				R7-203	EMERGENCY SNOW ROUTE		18	24	3.00			
661	SHAMROCK	11+23	RT	R5-1	DO NOT ENTER	METAL	30	30	6.25			13
					TOTALS				**800**	**60**	**1387**	**38**

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

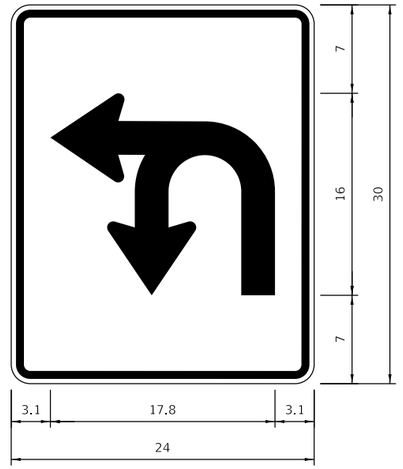
USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

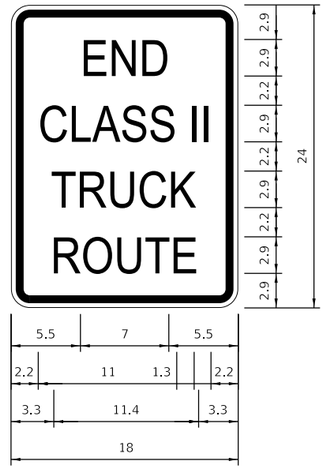
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

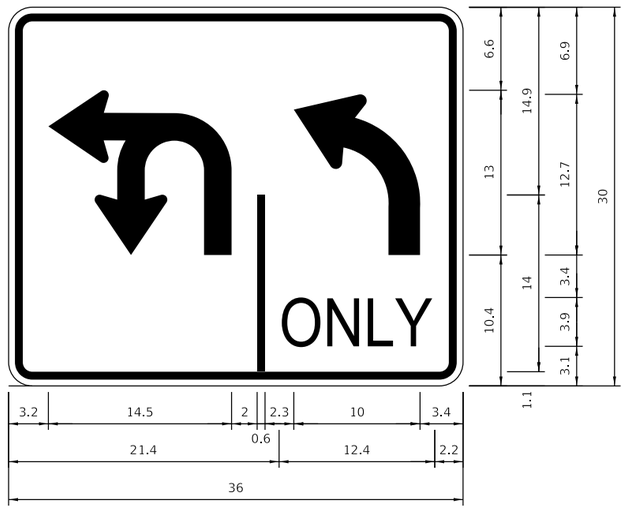
PROPOSED SIGN SCHEDULE
ILLINOIS ROUTE 31

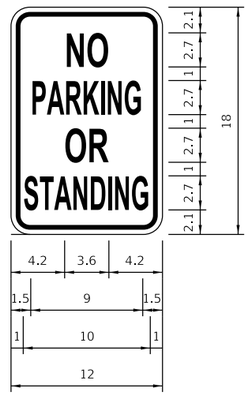
SCALE: NTS | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	567
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		









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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN DETAILS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	568
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

C1 - TREE QUANTITIES

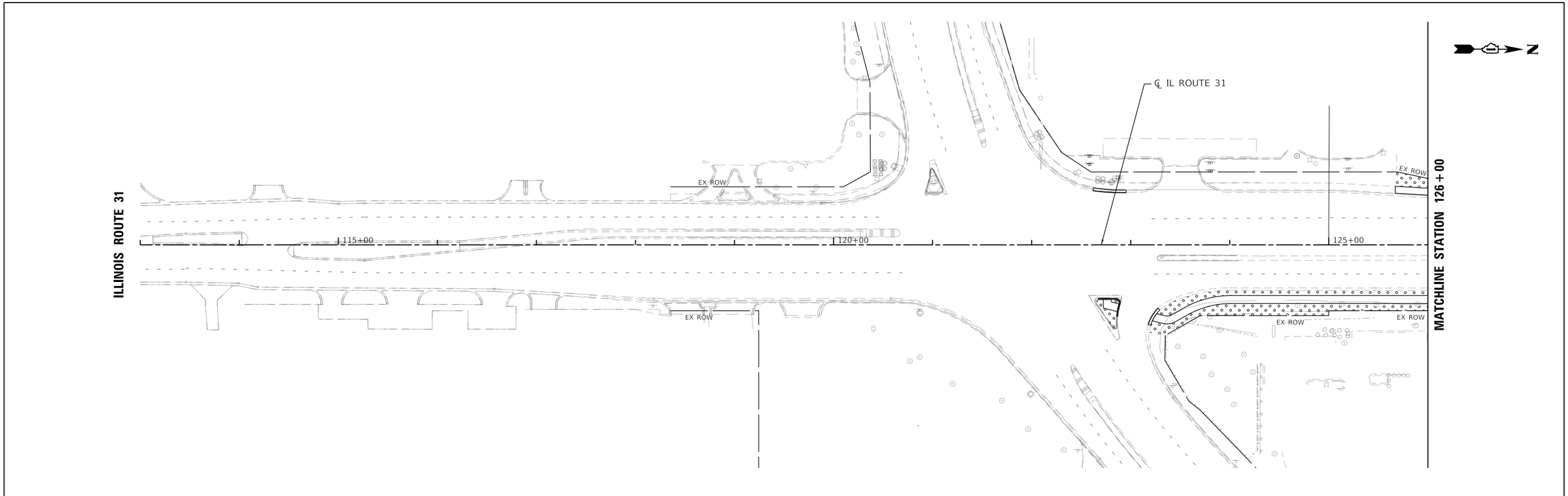
Station	Side	Armstrong Freeman Maple A2000086	Black Tupelo A2005520	Bur Oak A2006720	Common Hackberry A2002920	Fastigiate English Oak A2007016	Kentucky Coffeetree A2005020	Northern Catalpa A2002820	Princeton Common Thornless Honeylocust A2004614	Red Oak A2007120	Shingle Oak A2006618	Siberian Crabapple B2002816	Skinny Latte Kentucky Coffeetree A3005012	State Street Miyabei Maple A2000320	Swamp White Oak A2006520
IL RT - 31															
STA 135+00 - STA 140+00	L	0	0	0	0	0	0	3	0	0	0	0	0	0	0
STA 135+00 - STA 140+00	R	0	0	0	0	0	0	0	1	0	0	0	0	0	0
STA 140+00 - STA 145+00	L	0	0	1	0	4	4	1	0	0	0	0	0	5	0
STA 140+00 - STA 145+00	R	3	0	0	0	0	0	0	1	0	0	0	0	0	0
STA 145+00 - STA 150+00	L	0	0	6	0	0	1	3	0	0	0	0	0	0	0
STA 145+00 - STA 150+00	R	0	7	4	0	0	3	0	0	0	0	7	0	0	0
STA 150+00 - STA 155+00	L	0	3	4	0	0	7	3	0	0	0	0	0	0	0
STA 150+00 - STA 155+00	R	0	0	4	0	0	3	6	0	0	0	0	0	0	0
STA 155+00 - STA 160+00	L	0	3	0	0	0	3	0	0	0	0	5	0	0	0
STA 155+00 - STA 160+00	R	0	6	2	0	0	0	0	0	0	0	12	5	0	0
STA 160+00 - STA 165+00	L	0	2	5	0	0	2	0	0	1	3	1	0	0	0
STA 160+00 - STA 165+00	R	0	0	3	0	0	5	0	0	5	6	0	0	0	0
STA 165+00 - STA 170+00	L	0	0	0	0	0	2	3	0	3	0	5	0	3	4
STA 165+00 - STA 170+00	R	7	2	3	3	5	0	5	5	0	0	4	3	3	0
STA 170+00 - STA 175+00	L	3	0	0	3	0	0	0	0	1	0	1	0	0	0
STA 170+00 - STA 175+00	R	0	0	0	0	0	0	0	0	0	10	1	0	0	0
STA 175+00 - STA 180+00	L	2	0	0	0	0	2	0	4	0	0	0	0	10	2
STA 175+00 - STA 180+00	R	0	6	5	0	0	0	5	0	0	0	5	0	0	0
STA 180+00 - STA 185+00	L	0	2	0	10	0	0	1	0	2	0	5	2	3	1
STA 180+00 - STA 185+00	R	5	0	0	1	0	0	0	0	5	5	5	0	0	5
STA 185+00 - STA 190+00	L	3	0	0	5	0	0	0	10	0	4	9	0	0	0
STA 185+00 - STA 190+00	R	5	0	0	10	0	0	0	10	2	0	1	0	0	0
STA 190+00 - STA 195+00	L	0	0	0	7	0	0	0	4	10	1	0	0	0	8
STA 190+00 - STA 195+00	R	1	0	0	4	0	0	0	3	5	0	4	0	0	5
STA 195+00 - STA 200+00	L	1	7	0	4	0	1	0	0	0	0	4	0	0	0
STA 195+00 - STA 200+00	R	9	3	0	7	0	0	0	0	6	6	0	0	0	0
STA 200+00 - STA 205+00	L	0	0	5	0	0	4	8	0	0	0	0	0	0	0
STA 200+00 - STA 205+00	R	0	3	5	0	0	8	0	0	0	0	0	0	0	0
STA 205+00 - STA 210+00	L	0	5	0	0	0	3	0	0	0	0	5	2	4	0
STA 205+00 - STA 210+00	R	0	5	6	0	0	0	0	0	0	0	0	0	0	0
STA 210+00 - STA 215+00	L	0	0	0	0	2	0	0	0	9	0	0	1	5	4
STA 210+00 - STA 215+00	R	0	0	0	0	0	0	0	0	6	0	0	0	0	5
STA 215+00 - STA 220+00	L	0	0	0	0	5	2	0	3	9	0	3	0	2	0
STA 215+00 - STA 220+00	R	0	0	0	0	9	0	0	7	0	0	0	0	0	7
STA 220+00 - STA 225+00	L	0	0	0	0	0	1	0	0	0	0	0	0	0	0
STA 220+00 - STA 225+00	R	8	0	5	0	0	0	0	0	0	0	0	0	0	6
STA 225+00 - STA 230+00	L	0	0	0	1	0	0	0	0	5	0	0	0	0	0
STA 225+00 - STA 230+00	R	3	0	0	4	0	0	0	5	3	0	0	7	0	0
STA 230+00 - STA 235+00	L	8	0	0	2	3	0	0	0	0	0	0	5	5	0
STA 230+00 - STA 235+00	R	5	0	0	2	0	3	2	0	0	3	6	2	0	0
STA 235+00 - STA 240+00	L	0	0	0	0	0	0	0	0	0	0	1	0	0	0
STA 235+00 - STA 240+00	R	5	0	0	0	0	0	0	0	0	6	2	0	10	0
STA 240+00 - STA 245+00	L	0	0	2	3	0	0	5	0	0	0	0	0	0	0
STA 240+00 - STA 245+00	R	0	0	5	7	0	0	5	0	0	0	0	0	3	0
STA 245+00 - STA 250+00	L	0	0	3	0	3	0	0	0	3	0	0	0	0	0
STA 245+00 - STA 250+00	R	0	0	4	0	8	0	0	0	0	2	0	0	3	4
STA 250+00 - STA 255+00	L	5	0	0	0	0	0	5	0	1	0	3	0	3	0
STA 250+00 - STA 255+00	R	0	2	0	0	0	0	3	0	5	0	0	0	0	9
STA 255+00 - STA 260+00	L	0	5	0	5	0	0	0	0	0	3	0	8	3	0
STA 255+00 - STA 260+00	R	0	5	0	3	0	0	0	0	0	0	0	1	0	3
STA 260+00 - STA 265+00	L	3	0	0	2	0	7	0	0	3	0	5	0	0	0
STA 260+00 - STA 265+00	R	0	0	5	0	0	0	2	6	0	0	0	6	0	1
STA 265+00 - STA 270+00	L	0	2	4	0	0	0	0	4	0	5	5	0	0	0
STA 265+00 - STA 270+00	R	0	6	0	0	0	0	0	4	0	2	0	4	0	3
STA 270+00 - STA 275+00	L	0	3	7	0	3	0	0	0	0	3	4	0	0	0
STA 270+00 - STA 275+00	R	0	6	5	0	4	0	0	0	0	3	3	0	0	0
STA 275+00 - STA 280+00	L	0	0	5	0	0	0	3	0	0	0	5	5	0	0
STA 275+00 - STA 280+00	R	0	0	0	0	0	0	6	0	0	0	3	3	0	0
STA 280+00 - STA 285+00	L	2	0	0	3	1	6	0	3	5	0	0	0	0	0
STA 280+00 - STA 285+00	R	0	0	0	5	2	0	5	2	0	0	0	0	0	9
STA 285+00 - STA 290+00	L	0	0	4	0	9	0	0	0	0	0	0	6	4	0
STA 285+00 - STA 290+00	R	0	4	0	0	1	0	0	0	0	0	5	8	8	0
STA 290+00 - STA 295+00	L	0	2	5	0	0	0	0	0	6	6	0	0	0	0
STA 290+00 - STA 295+00	R	0	0	7	0	0	0	0	6	6	6	0	0	0	0
STA 295+00 - STA 300+00	L	0	0	7	0	0	0	0	0	0	0	0	0	0	6
STA 295+00 - STA 300+00	R	0	0	9	5	0	0	0	0	0	0	0	0	0	7
STA 300+00 - STA 305+00	L	0	0	0	0	3	0	0	6	0	0	0	3	8	0
STA 300+00 - STA 305+00	R	7	3	0	0	0	0	0	0	0	0	3	9	6	1
STA 305+00 - STA 310+00	L	0	0	4	0	1	5	5	3	0	0	0	0	0	0
STA 305+00 - STA 310+00	R	0	0	0	0	0	6	4	0	0	0	0	2	0	0
STA 310+00 - STA 315+00	L	3	1	5	5	0	0	0	4	0	2	0	0	0	0
STA 310+00 - STA 315+00	R	0	2	5	8	0	0	0	0	0	2	0	0	0	0
STA 315+00 - STA 320+00	L	0	0	2	0	0	1	5	0	0	0	0	0	0	0
STA 315+00 - STA 320+00	R	0	0	0	0	0	10	7	0	0	0	0	0	0	0
STA 320+00 - STA 325+00	L	0	2	6	0	0	0	0	0	0	0	0	2	0	0
STA 320+00 - STA 325+00	R	0	5	3	0	0	3	0	0	0	0	0	0	0	0
STA 325+00 - STA 330+00	L	0	3	5	0	0	0	0	0	0	0	0	0	0	0
STA 325+00 - STA 330+00	R	4	4	6	0	0	0	0	0	0	3	0	0	0	0
STA 330+00 - STA 335+00	L	0	0	0	0	0	0	0	5	0	0	0	4	0	0
STA 330+00 - STA 335+00	R	0	0	0	0	0	0	0	6	0	7	0	0	0	7
STA 335+00 - STA 340+00	L	3	1	0	6	0	0	2	0	0	0	0	3	0	0
STA 335+00 - STA 340+00	R	7	0	0	7	0	0	0	0	0	1	0	0	0	0
STA 340+00 - STA 345+00	L	0	7	3	0	0	3	0	0	0	0	0	0	0	0
STA 340+00 - STA 345+00	R	0	0	4	0	0	0	1	0	0	0	0	0	0	0
STA 345+00 - STA 350+00	L	0	2	0	0	0	0	0	0	3	9	0	5	2	0
STA 345+00 - STA 350+00	R	0	0	0	5	0	0	3	0	7	0	0	3	3	0
STA 350+00 - STA 355+00	L	0	11	0	0	0	0	0	2	0	0	0	0	3	0
STA 350+00 - STA 355+00	R	0	7	0	0	0	0	0	2	0	0	0	0	4	0
STA 355+00 - STA 360+00	L	0	0	0	0	0	0	0	3	0	0	6	0	6	0
STA 355+00 - STA 360+00	R	0	0	0	0	5	0	0	2	0	0	4	0	0	0
STA 360+00 - STA 365+00	L	5	0	2	0	0	0	3	0	3	0	3	0	0	4
STA 360+00 - STA 365+00	R	5	0	0	0	0	0	3	0	8	0	1	0	3	0
STA 365+00 - STA 370+00	L	0	0	4	4	5	0	0	0	0	0	0	0	0	4
STA 365+00 - STA 370+00	R	0	0	6	4	0	3	0	0	0	3	0	0	0	0
STA 370+00 - STA 375+00	L	6	5	5	3	3	3	0	0	0	1	4	8	0	0
STA 370+00 - STA 375+00	R	0	0	0	0	0	3	5	0	0	0	0	0	9	0
STA 375+00 - STA 380+00	L	0	6	1	4	3	0	5	0	0	10	3	7	5	0
STA 375+00 - STA 380+00	R	6	0	0	3	0	0	0	5	0	5	0	0	0	0
STA 380+00 - STA 385+00	L	3	0	0	0	8	5	0	3	10	3	0	4	0	0
STA 380+00 - STA 385+00	R	0	0	0	3	0	0	0	0	4	4	0	0	0	0
STA 385+00 - STA 385+45	L	2	0	0	0	1	0	0	0	0	0	0	0	0	0
STA 385+00 - STA 385+45	R	0	0	0	2	0	0	0	0	0	0	0	0	0	0
IL RT - 31 TOTAL		128	151	191	150	88	106	117	113	136	124	147	127	110	105
IL RT - 31 and HALF MILE ROAD															
STA 38+10 - STA 40+00	L	0	0	0	0	0	2	4	0	0	0	0	0	0	0
STA 38+10 - STA 40+00	R	0	0	0	0	0	3	4	0	0	0	0	0	0	0
STA 40+00 - STA 45+00	L	0	5	4	0	0	0	6	0	0	0	0	0	0	0
STA 40+00 - STA 45+00	R	0	7	5	0	0	0	5	0	0	0	0	0	0	0
STA 45+00 - STA 50+00	L	0	2	0	0	0	7	4	0	0	0	0	0	0	0
STA 45+00 - STA 50+00	R	0	0	5	0	0	3	3	0	0	0	0	0	0	0
HALF MILE ROAD TOTAL		0	14	14	0	0	15	26	0	0	0	0	0	0	0
IL RT - 31 and EDGEWOOD ROAD															
STA 3+90 - STA 5+00	L	0	0	0	3	0	0	0	2	0	0	0	0	0	0
STA 3+90 - STA 5+00	R	0	0	0	3	0	0	0	1	0	0	0	0	0	0
STA 5+00 - STA 10+00	L	0	5	0	0	0	0	0	7	4	3	0	0	0	0
STA 5+00 - STA 10+00	R	0	0	0	0	0	0	0	4	6	3	0	0	0	0
EDGEWOOD ROAD TOTAL		0	5	0	6	0	0	0	14	10	6	0	0	0	0
IL RT - 31 and PRIME PARKWAY															
STA 10+00 - STA 15+00	L	0	0	0	0	5	0	0	0	0	0	0	5	5	0
STA 10+00 - STA 15+00	R	0	0	2	0	3	0	0	0	0	0	0	3	4	0
STA 15+00 - STA 20+00	L	0	0	3	0	0	2	0	0	0	0	0	1	4	0
STA 15+00 - STA 20+00	R	0	0	0	0	0	1	0	0	0	0	0	0	0	0
PRIME PKWY TOTAL		0	0	5	0	8	3	0	0	0	0	0	9	13	0
IL RT - 31 and ALBANY STREET															
STA 10+00 - STA 15+00	L	0	2	0	0	2	2	0	0	0	0	0	8	0	0
STA 10+00 - STA 15+00	R	0	5	0	0	2	2	0	0	0	0	0	6	0	0
ALBANY STREET TOTAL		0	7	0	0	4	4	0	0	0	0	0	14	0	0
IL RT - 31 and SHAMROCK LANE															
STA 10+00 - STA 14+10	L	3	0	0	5	0	0	0	0	0	0	0	0	0	0
STA 10+00 - STA 14+10	R	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHAMROCK LANE TOTAL		3	0	0	5	0	0	0	0	0	0	0	0	0	0

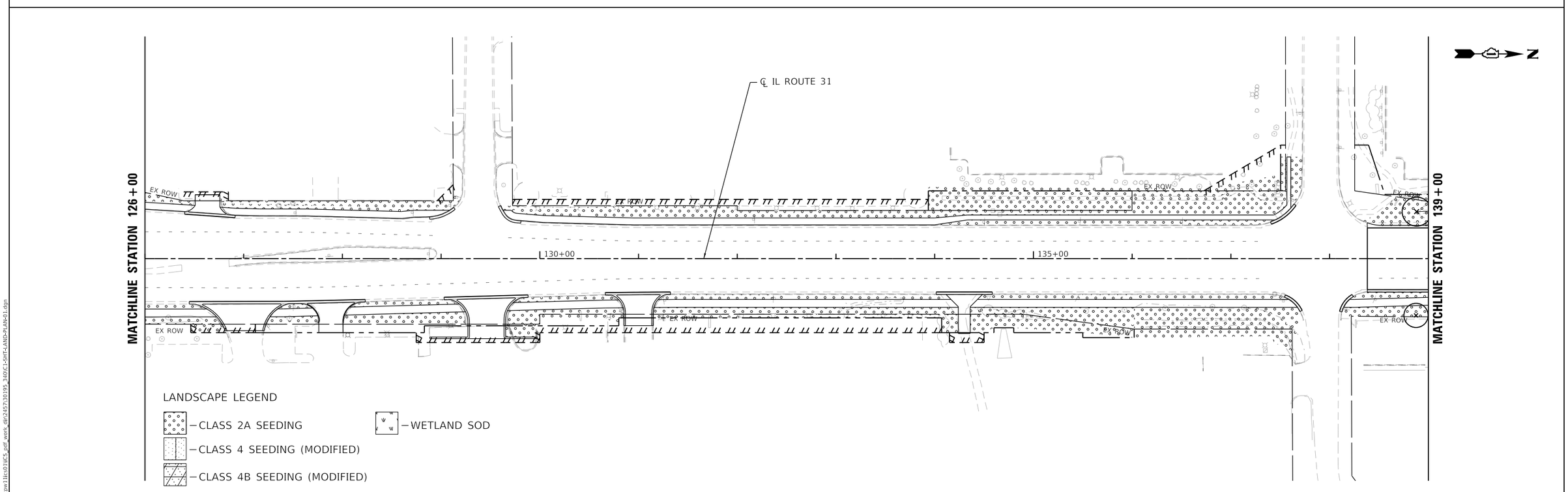
C1 - SEEDMIX QUANTITIES

Station	Side	Seeding, Class 2A (AC.) 25003210	Seeding, Class 4 (Modified) (AC.) X2501800	Seeding, Class 4B (Modified) (AC.) X2502024	Native Sodding, Special (Sq. Yd.) X1900011
IL RT - 31					
STA 120+00 - STA 125+00	L	0.00	0.00	0.00	0.00
STA 120+00 - STA 125+00	R	0.10	0.00	0.00	0.00
STA 125+00 - STA 130+00	L	0.07	0.00	0.00	0.00
STA 125+00 - STA 130+00	R	0.13	0.00	0.00	0.00
STA 130+00 - STA 135+00	L	0.12	0.00	0.00	0.00
STA 130+00 - STA 135+00	R	0.15	0.00	0.00	0.00
STA 135+00 - STA 140+00	L	0.32	0.00	0.00	0.00
STA 135+00 - STA 140+00	R	0.26	0.00	0.00	0.00
STA 140+00 - STA 145+00	L	0.29	0.00	0.00	0.00
STA 140+00 - STA 145+00	R	0.19	0.00	0.00	0.00
STA 145+00 - STA 150+00	L	0.21	0.26	0.00	0.00
STA 145+00 - STA 150+00	R	0.34	0.09	0.00	0.00
STA 150+00 - STA 155+00	L	0.22	0.71	0.00	0.00
STA 150+00 - STA 155+00	R	0.19	0.37	0.00	0.00
STA 155+00 - STA 160+00	L	0.31	0.19	0.00	0.00
STA 155+00 - STA 160+00	R	0.24	0.33	0.00	0.00
STA 160+00 - STA 165+00	L	0.24	0.33	0.00	0.00
STA 160+00 - STA 165+00	R	0.20	0.39	0.00	0.00
STA 165+00 - STA 170+00	L	0.30	0.57	0.00	27.00
STA 165+00 - STA 170+00	R	0.31	0.58	0.00	0.00
STA 170+00 - STA 175+00	L	0.34	0.61	0.00	114.00
STA 170+00 - STA 175+00	R	0.20	0.23	0.00	0.00
STA 175+00 - STA 180+00	L	0.21	0.28	0.00	0.00
STA 175+00 - STA 180+00	R	0.06	0.35	0.00	0.00
STA 180+00 - STA 185+00	L	0.24	0.32	0.00	0.00
STA 180+00 - STA 185+00	R	0.14	0.03	0.01	0.00
STA 185+00 - STA 190+00	L	0.18	0.17	0.00	0.00
STA 185+00 - STA 190+00	R	0.71	1.15	0.13	0.00
STA 190+00 - STA 195+00	L	0.09	0.40	0.00	50.00
STA 190+00 - STA 195+00	R	0.24	0.78	0.05	0.00
STA 195+00 - STA 200+00	L	0.26	0.34	0.00	52.00
STA 195+00 - STA 200+00	R	0.21	0.95	0.09	0.00
STA 200+00 - STA 205+00	L	0.24	0.57	0.00	212.00
STA 200+00 - STA 205+00	R	0.17	0.30	0.00	0.00
STA 205+00 - STA 210+00	L	0.28	0.15	0.00	0.00
STA 205+00 - STA 210+00	R	0.26	0.06	0.00	0.00
STA 210+00 - STA 215+00	L	0.36	0.00	0.00	0.00
STA 210+00 - STA 215+00	R	0.25	0.37	0.00	800.00
STA 215+00 - STA 220+00	L	0.35	0.00	0.00	0.00
STA 215+00 - STA 220+00	R	0.21	0.47	0.00	61.00
STA 220+00 - STA 225+00	L	0.26	0.47	0.00	0.00
STA 220+00 - STA 225+00	R	0.23	0.50	0.00	60.00
STA 225+00 - STA 230+00	L	0.27	0.63	0.00	22.00
STA 225+00 - STA 230+00	R	0.29	0.94	0.00	0.00
STA 230+00 - STA 235+00	L	0.31	0.42	0.00	139.00
STA 230+00 - STA 235+00	R	0.29	0.43	0.00	0.00
STA 235+00 - STA 240+00	L	0.23	0.30	0.00	0.00
STA 235+00 - STA 240+00	R	0.22	0.46	0.00	0.00
STA 240+00 - STA 245+00	L	0.40	0.00	0.00	0.00
STA 240+00 - STA 245+00	R	0.28	0.24	0.00	0.00
STA 245+00 - STA 250+00	L	0.65	0.00	0.00	0.00
STA 245+00 - STA 250+00	R	0.28	0.24	0.00	0.00
STA 250+00 - STA 255+00	L	0.22	0.20	0.00	0.00
STA 250+00 - STA 255+00	R	0.23	0.22	0.00	0.00
STA 255+00 - STA 260+00	L	0.20	0.21	0.00	0.00
STA 255+00 - STA 260+00	R	0.29	0.28	0.00	0.00
STA 260+00 - STA 265+00	L	0.31	0.19	0.00	0.00
STA 260+00 - STA 265+00	R	0.22	0.20	0.00	0.00
STA 265+00 - STA 270+00	L	0.76	0.31	0.00	0.00
STA 265+00 - STA 270+00	R	0.50	0.54	0.00	0.00
STA 270+00 - STA 275+00	L	0.30	0.30	0.00	0.00
STA 270+00 - STA 275+00	R	0.18	0.57	0.24	0.00
STA 275+00 - STA 280+00	L	0.26	0.13	0.00	0.00
STA 275+00 - STA 280+00	R	0.08	0.23	0.00	0.00
STA 280+00 - STA 285+00	L	0.23	0.34	0.00	0.00
STA 280+00 - STA 285+00	R	0.29	0.18	0.51	0.00
STA 285+00 - STA 290+00	L	0.30	0.44	0.00	0.00
STA 285+00 - STA 290+00	R	0.25	0.72	0.03	0.00
STA 290+00 - STA 295+00	L	0.50	0.15	0.00	0.00
STA 290+00 - STA 295+00	R	0.14	0.32	0.00	0.00
STA 295+00 - STA 300+00	L	0.17	0.58	0.00	0.00
STA 295+00 - STA 300+00	R	0.15	0.32	0.00	0.00
STA 300+00 - STA 305+00	L	0.26	0.26	0.00	0.00
STA 300+00 - STA 305+00	R	0.30	0.50	0.10	0.00
STA 305+00 - STA 310+00	L	0.18	0.41	0.00	0.00
STA 305+00 - STA 310+00	R	0.29	0.05	0.00	0.00
STA 310+00 - STA 315+00	L	0.28	0.09	0.00	0.00
STA 310+00 - STA 315+00	R	0.27	0.28	0.00	0.00
STA 315+00 - STA 320+00	L	0.16	0.00	0.00	0.00
STA 315+00 - STA 320+00	R	0.29	0.39	0.00	0.00
STA 320+00 - STA 325+00	L	0.52	0.00	0.00	0.00
STA 320+00 - STA 325+00	R	0.18	0.30	0.00	0.00
STA 325+00 - STA 330+00	L	0.24	0.00	0.00	0.00
STA 325+00 - STA 330+00	R	0.23	0.38	0.00	0.00
STA 330+00 - STA 335+00	L	0.26	0.00	0.00	0.00
STA 330+00 - STA 335+00	R	0.19	0.25	0.00	0.00
STA 335+00 - STA 340+00	L	0.41	0.00	0.00	0.00
STA 335+00 - STA 340+00	R	0.17	0.21	0.00	0.00
STA 340+00 - STA 345+00	L	0.19	0.00	0.00	0.00
STA 340+00 - STA 345+00	R	0.19	0.02	0.00	0.00
STA 345+00 - STA 350+00	L	0.28	0.17	0.00	0.00
STA 345+00 - STA 350+00	R	0.33	0.17	0.00	0.00
STA 350+00 - STA 355+00	L	0.23	0.18	0.00	0.00
STA 350+00 - STA 355+00	R	0.29	0.00	0.00	0.00
STA 355+00 - STA 360+00	L	0.37	0.00	0.00	0.00
STA 355+00 - STA 360+00	R	0.22	0.17	0.00	0.00
STA 360+00 - STA 365+00	L	0.46	0.00	0.00	0.00
STA 360+00 - STA 365+00	R	0.27	0.44	0.00	0.00
STA 365+00 - STA 370+00	L	0.33	0.00	0.00	0.00
STA 365+00 - STA 370+00	R	0.15	0.34	0.00	0.00
STA 370+00 - STA 375+00	L	0.79	0.00	0.00	0.00
STA 370+00 - STA 375+00	R	0.28	0.14	0.00	0.00
STA 375+00 - STA 380+00	L	0.72	0.00	0.00	0.00
STA 375+00 - STA 380+00	R	0.32	0.06	0.00	0.00
STA 380+00 - STA 385+00	L	0.73	0.00	0.00	0.00
STA 380+00 - STA 385+00	R	0.08	0.26	0.00	0.00
STA 385+00 - STA 390+00	L	0.41	0.00	0.00	0.00
STA 385+00 - STA 390+00	R	0.23	0.00	0.00	0.00
STA 390+00 - STA 395+00	L	0.34	0.00	0.00	0.00
STA 390+00 - STA 395+00	R	0.00	0.00	0.00	0.00
STA 395+00 - STA 400+00	L	0.50	0.00	0.00	0.00
STA 395+00 - STA 400+00	R	0.00	0.00	0.00	0.00
IL RT - 31 TOTAL		29.86	27.39	1.96	1527

C1 - SEEDMIX QUANTITIES

Station	Side	Seeding, Class 2A (AC.) 25003210	Seeding, Class 4 (Modified) (AC.) X2501800	Seeding, Class 4B (Modified) (AC.) X2502024	Native Sodding, Special (Sq. Yd.) X1900011
IL RT - 31					
IL RT - 31 and HALF MILE ROAD					
STA 38+10 - STA 40+00	L	0.00	0.06	0.00	0.00
STA 38+10 - STA 40+00	R	0.00	0.09	0.00	0.00
STA 40+00 - STA 45+00	L	0.00	0.28	0.00	0.00
STA 40+00 - STA 45+00	R	0.00	0.25	0.00	0.00
STA 45+00 - STA 50+00	L	0.34	0.00	0.00	0.00
STA 45+00 - STA 50+00	R	0.00	0.31	0.00	0.00
HALF MILE ROAD TOTAL		0.34	0.99	0	0
IL RT - 31 and EDGEWOOD ROAD					
STA 3+90 - STA 5+00	L	0.00	0.03	0.00	0.00
STA 3+90 - STA 5+00	R	0.04	0.00	0.00	0.00
STA 5+00 - STA 10+00	L	0.00	0.27	0.00	0.00
STA 5+00 - STA 10+00	R	0.15	0.00	0.00	0.00
EDGEWOOD ROAD TOTAL		0.19	0.3	0	0
IL RT - 31 and PRIME PARKWAY					
STA 10+00 - STA 15+00	L	0.08





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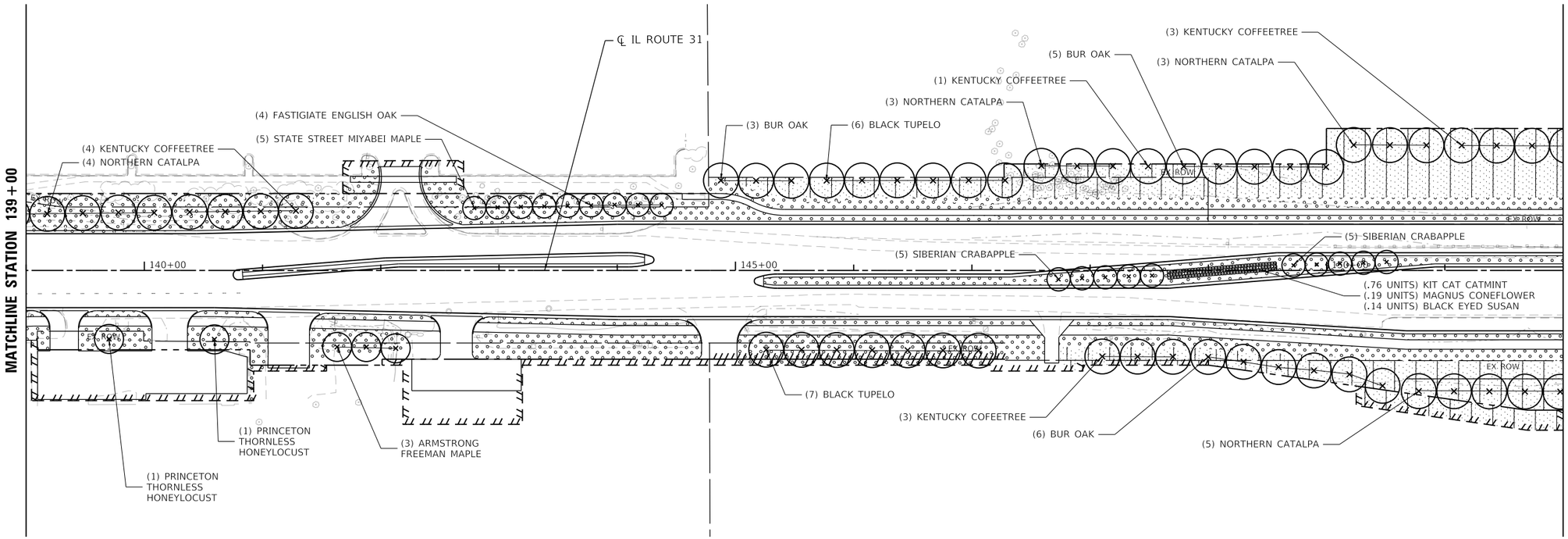
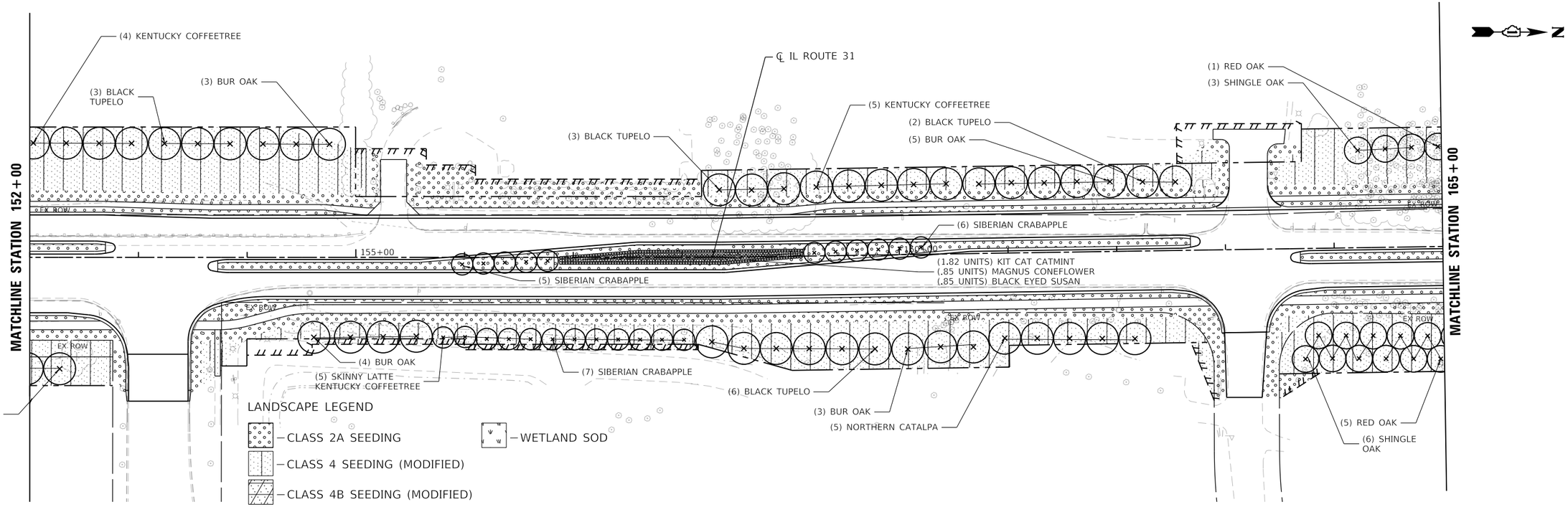
		DRAWN - HEY	REVISED -		
	PLOT SCALE = 100:1	CHECKED - HEY	REVISED -		
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 1 OF 14 SHEETS STA. 113+00 TO STA. 139+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	570
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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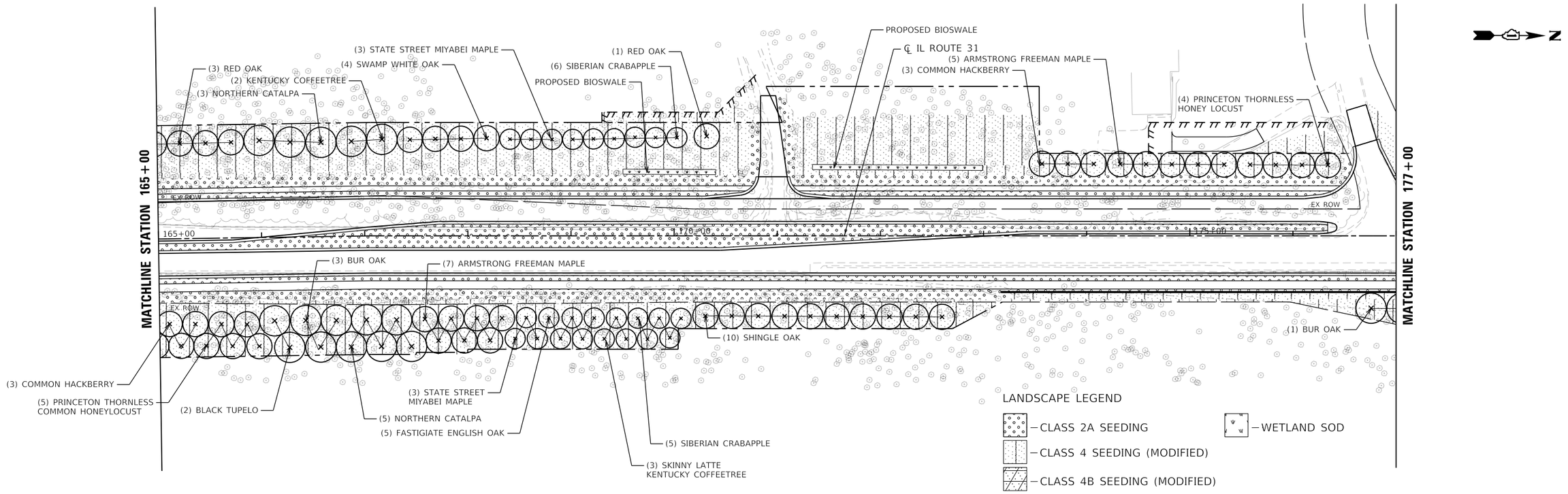
Hey and Associates, Inc.	USER NAME = eboelter	DESIGNED - HEY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN ILLINOIS ROUTE 31	F.A.P RTE. 336A	SECTION 2019-196-W&R	COUNTY McHENRY	TOTAL SHEETS 835	SHEET NO. 571
		DRAWN - HEY	REVISED -					CONTRACT NO. 62K69		
	PLOT SCALE = 100:1	CHECKED - HEY	REVISED -							
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 2 OF 14 SHEETS STA. 132+00 TO STA. 165+00			ILLINOIS FED. AID PROJECT		



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Hey and Associates, Inc.

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	DRAWN - HEY	REVISED -	
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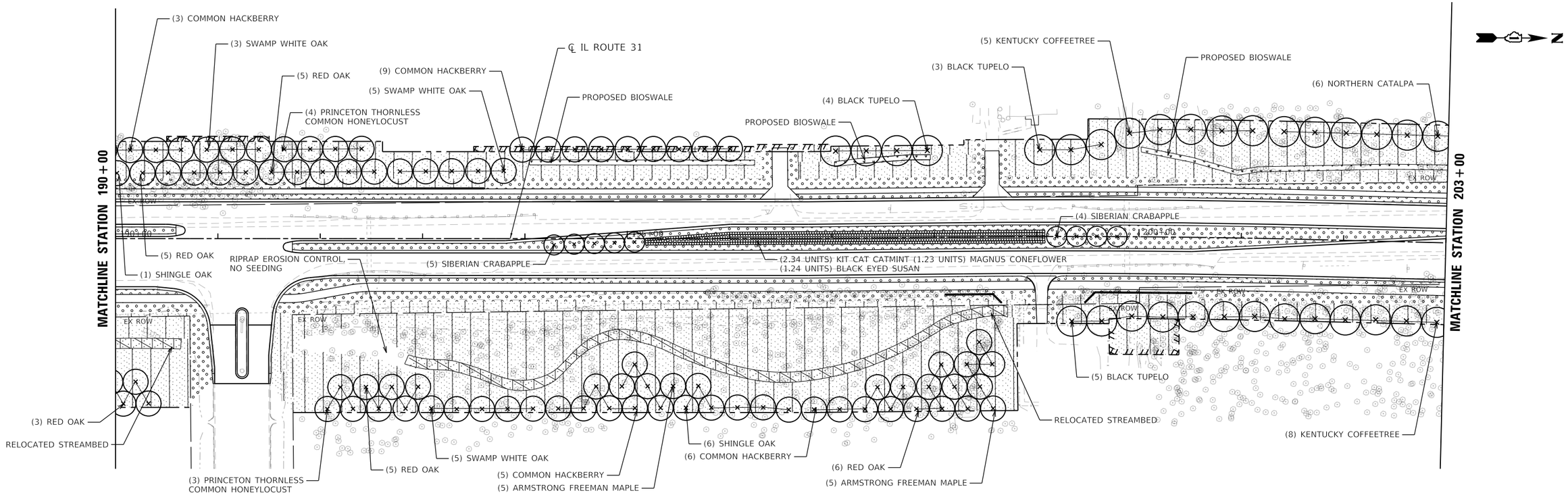
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 3 OF 14 SHEETS | STA. 165+00 TO STA. 190+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	572
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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Hey and Associates, Inc.

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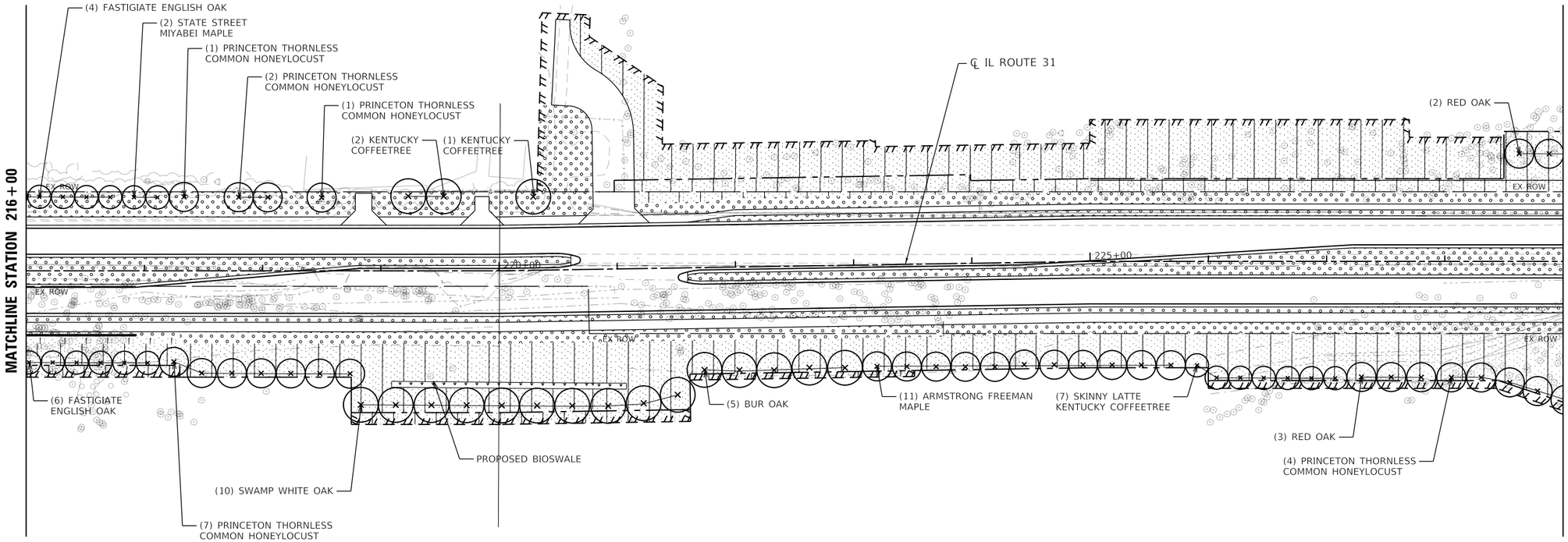
	DRAWN - HEY	REVISED -	
PLOT SCALE = 100:1	CHECKED - HEY	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

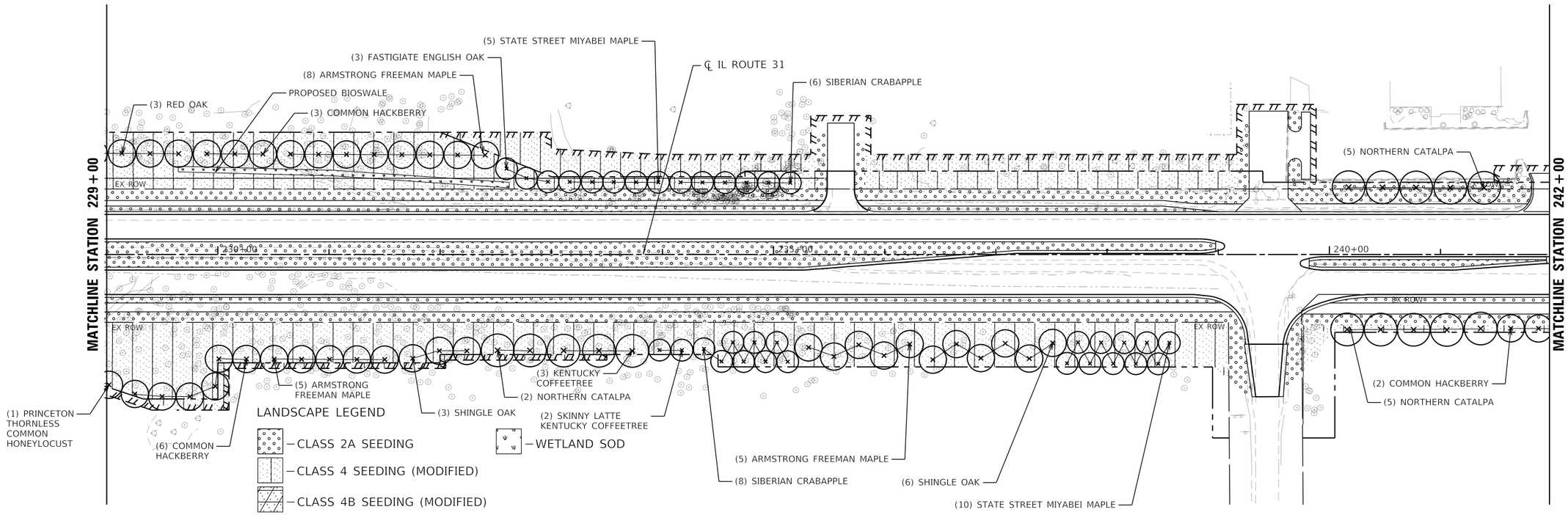
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 4 OF 14 SHEETS | STA. 190+00 TO STA. 216+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	573
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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Hey and Associates, Inc.

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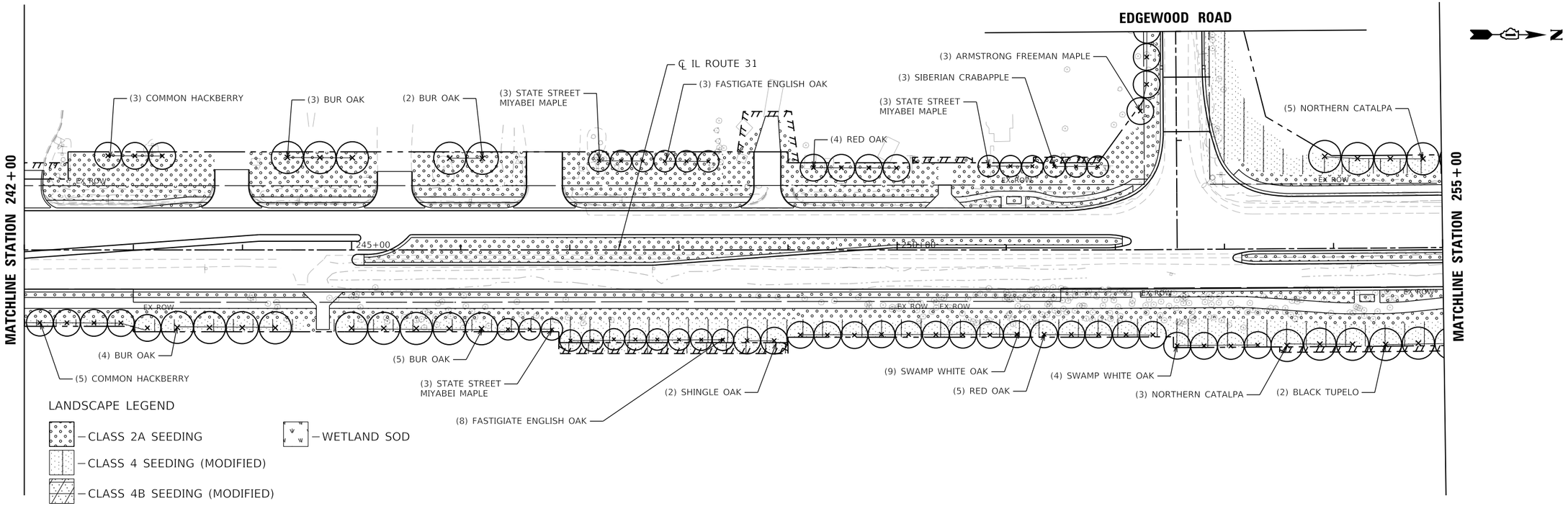
	DRAWN - HEY	REVISED -
PLOT SCALE = 100:1	CHECKED - HEY	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

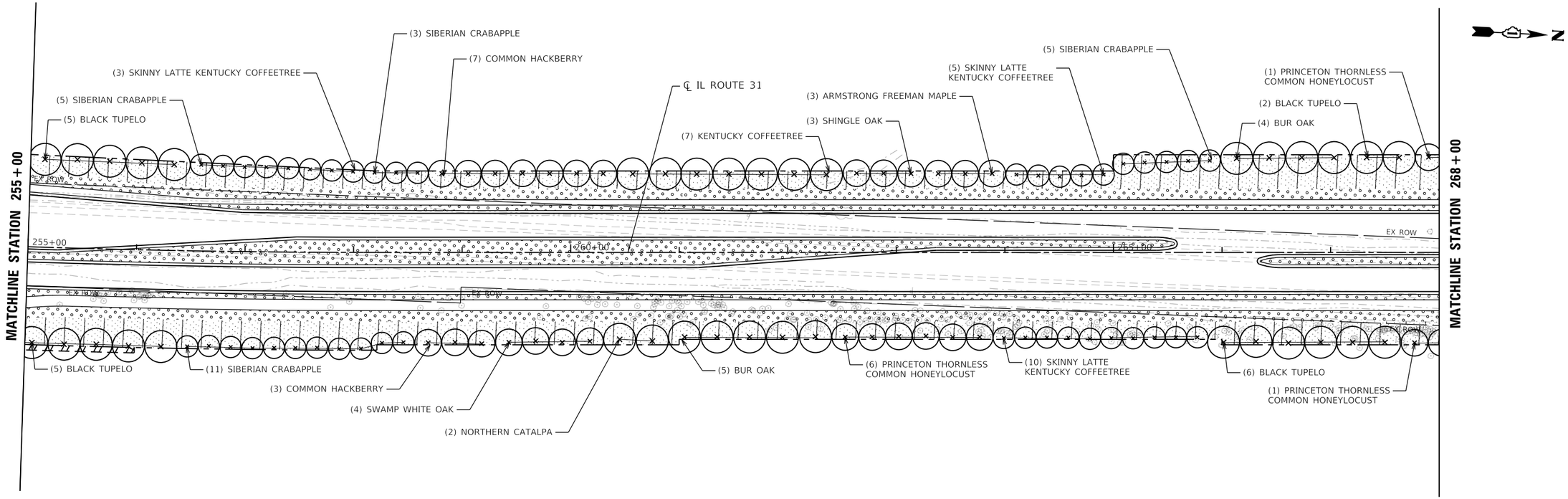
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 5 OF 14 SHEETS | STA. 216+00 TO STA. 242+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	574
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





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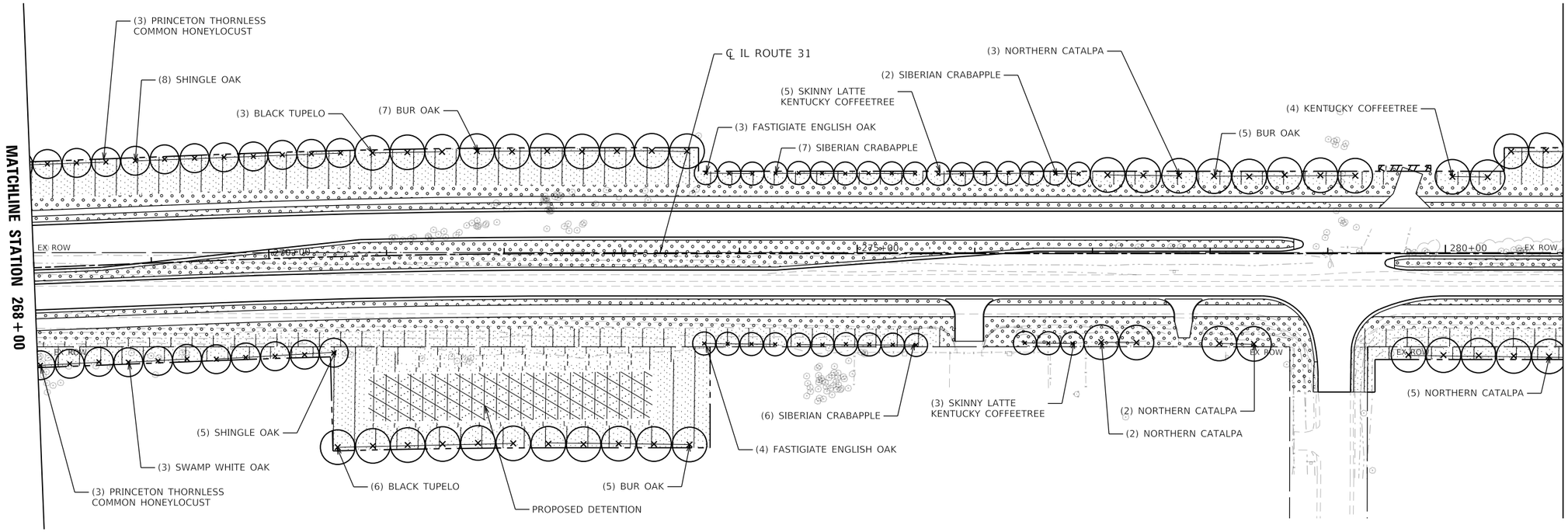
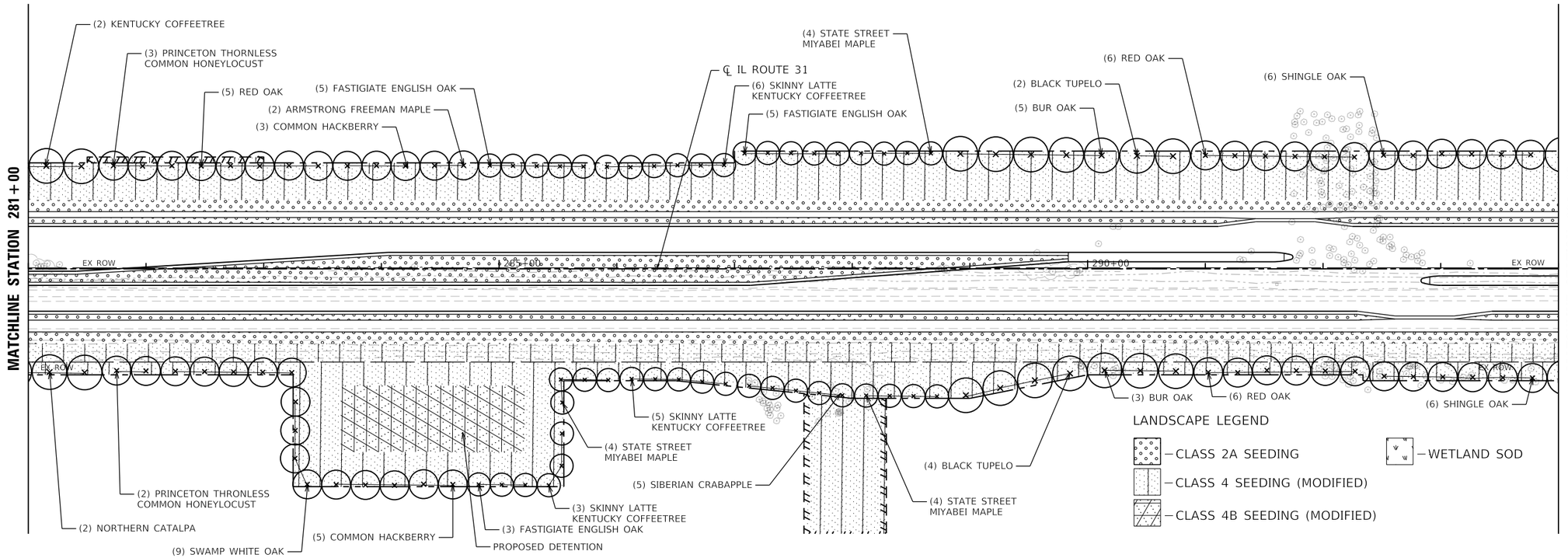
Hey and Associates, Inc.	USER NAME = eboelter	DESIGNED - HEY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN ILLINOIS ROUTE 31
		DRAWN - HEY	REVISED -		
	PLOT SCALE = 100:1	CHECKED - HEY	REVISED -		
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 6 OF 14 SHEETS STA. 242+00 TO STA. 268+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	575
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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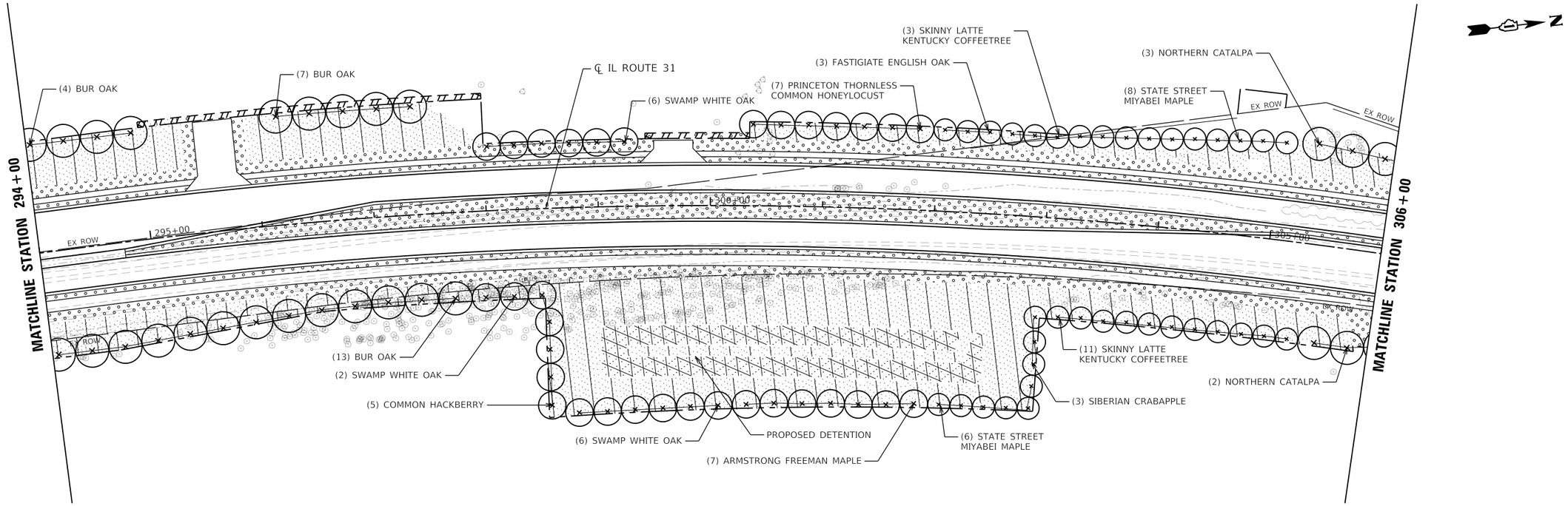
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

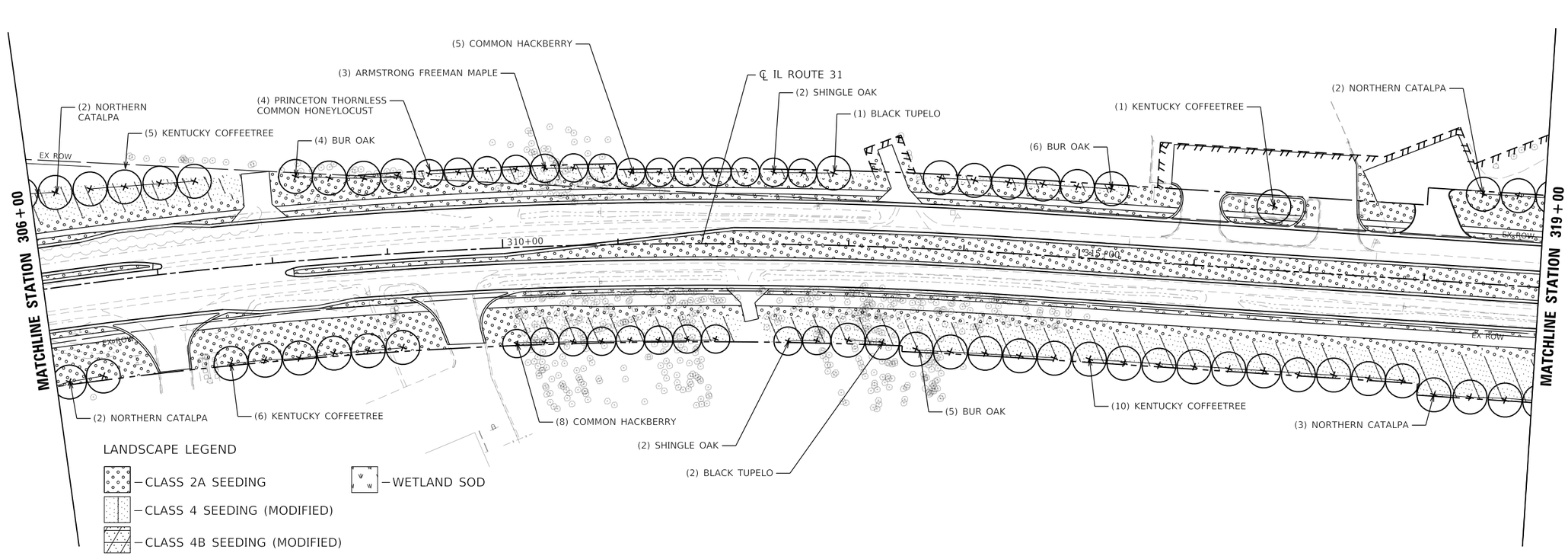
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 7 OF 14 SHEETS | STA. 268+00 TO STA. 294+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	576
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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Hey and Associates, Inc.

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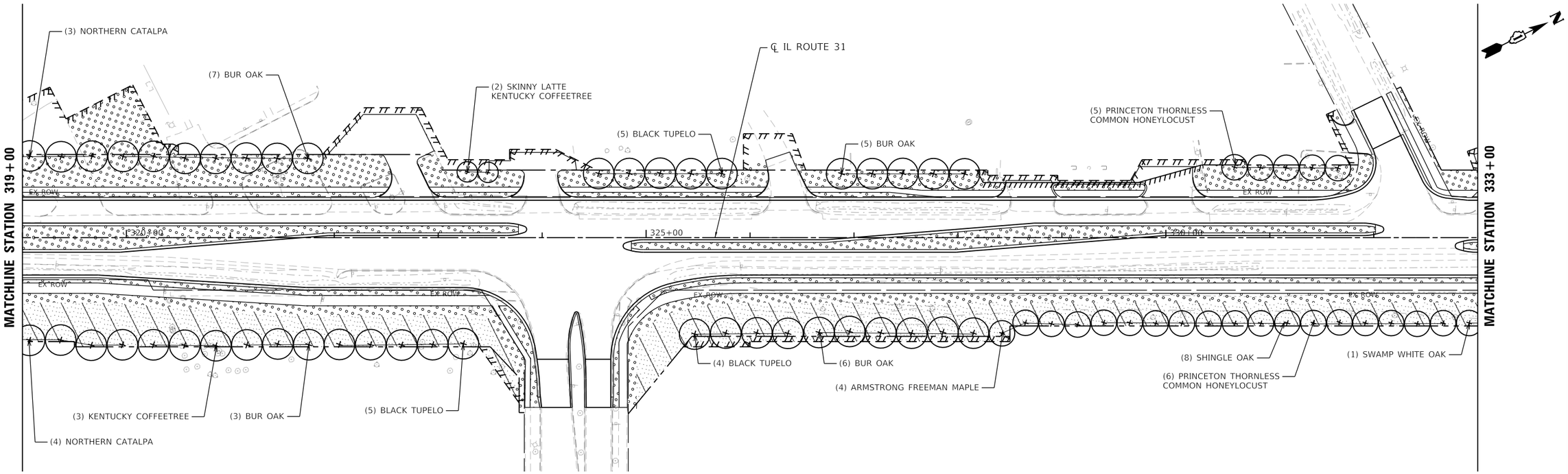
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

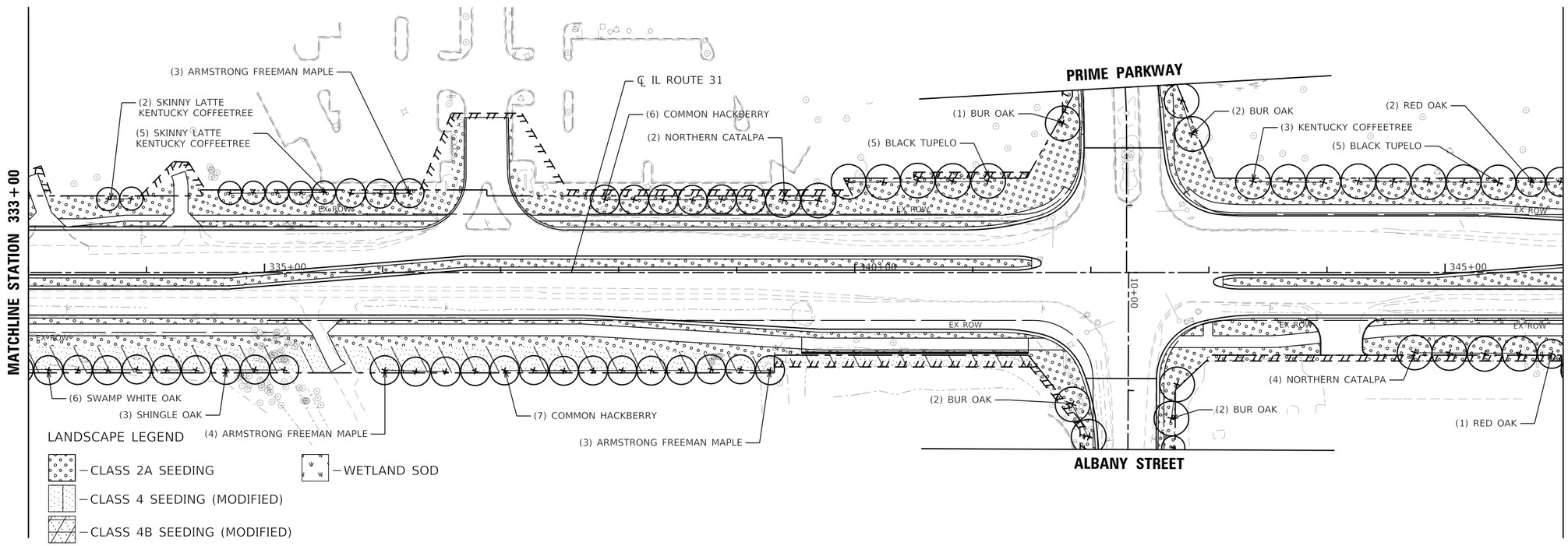
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 8 OF 14 SHEETS | STA. 294+00 TO STA. 319+00

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	577
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





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Hey and Associates, Inc.

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PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

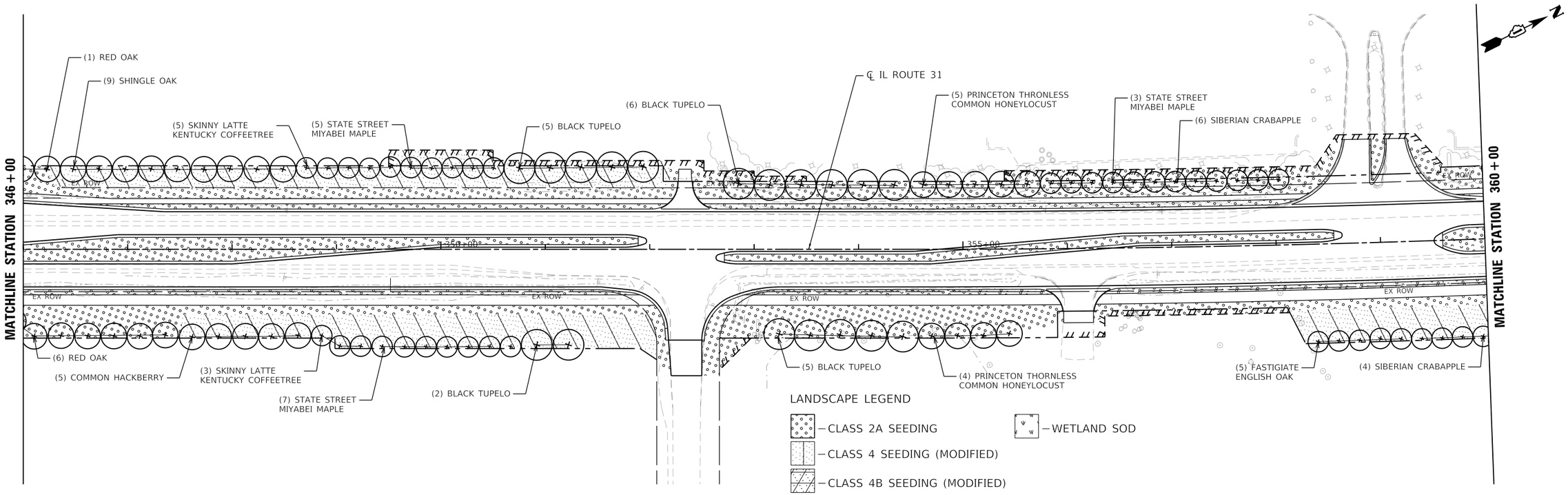
LANDSCAPE PLAN
ILLINOIS ROUTE 31

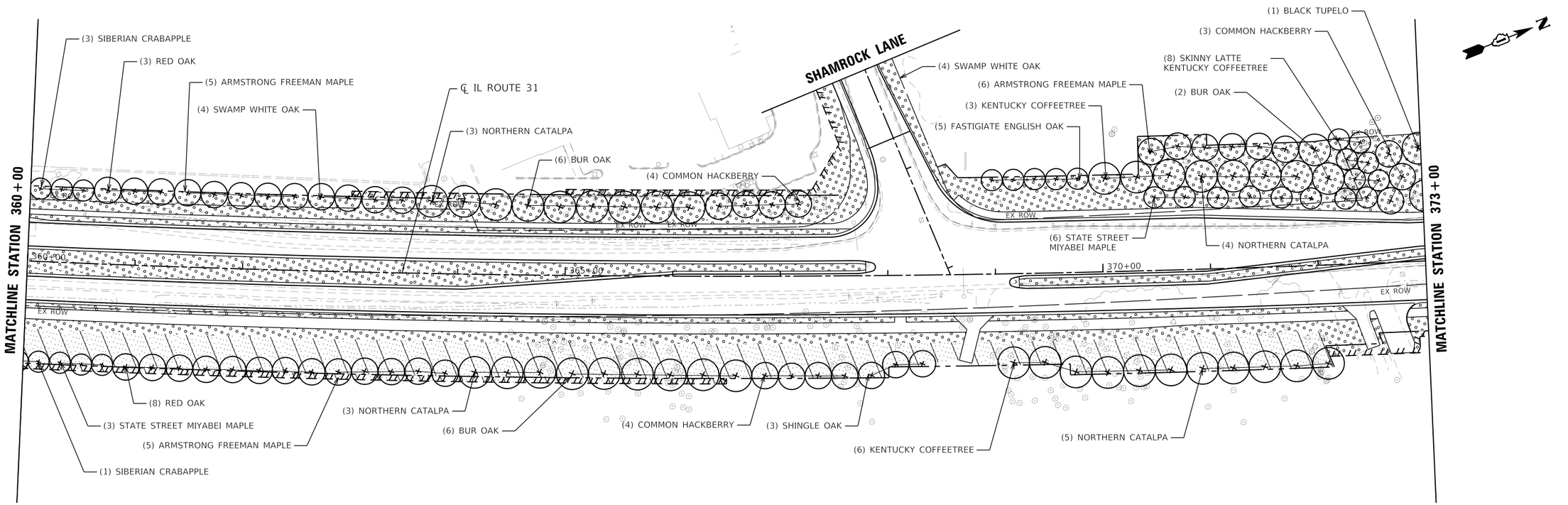
SCALE: 1"=50' | SHEET 9 OF 14 SHEETS | STA. 319+00 TO STA. 346+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	578

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT





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Hey and Associates, Inc.

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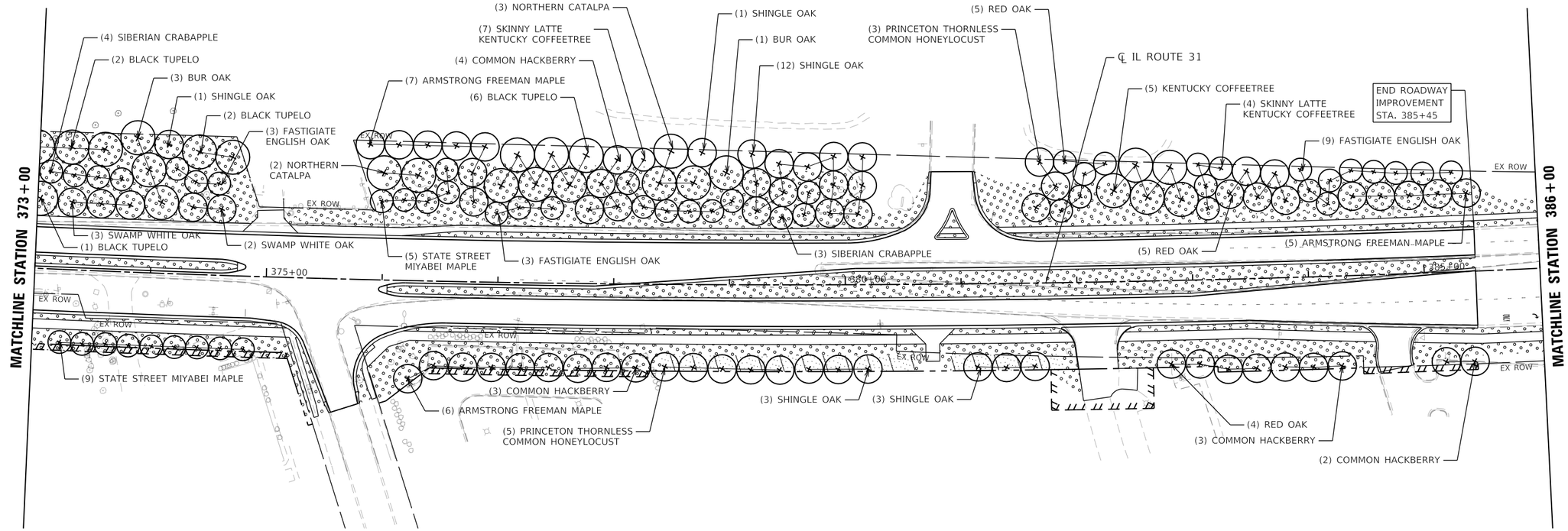
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

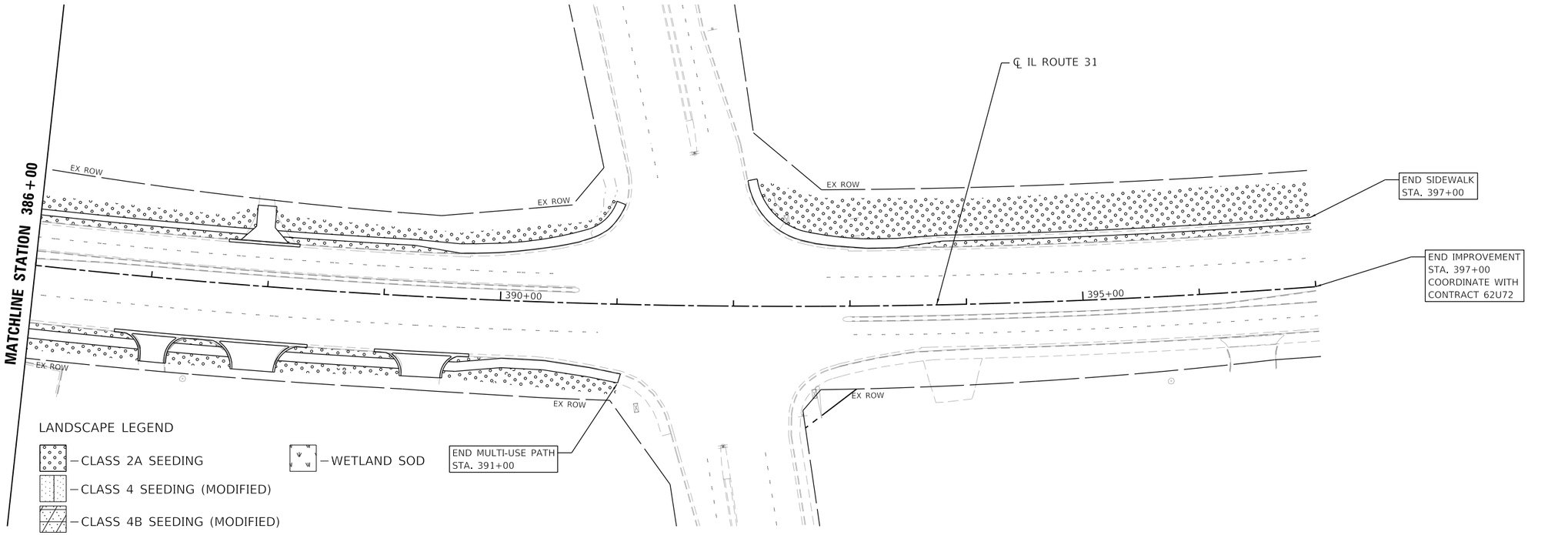
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 10 OF 14 SHEETS | STA. 346+00 | TO STA. 373+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	579
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





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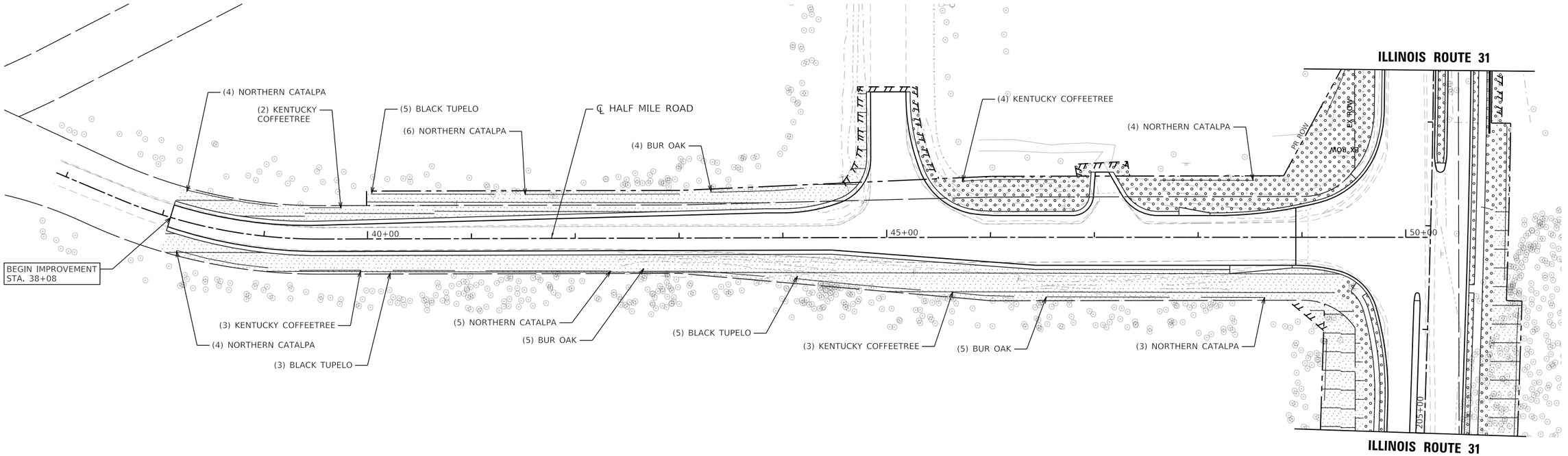
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

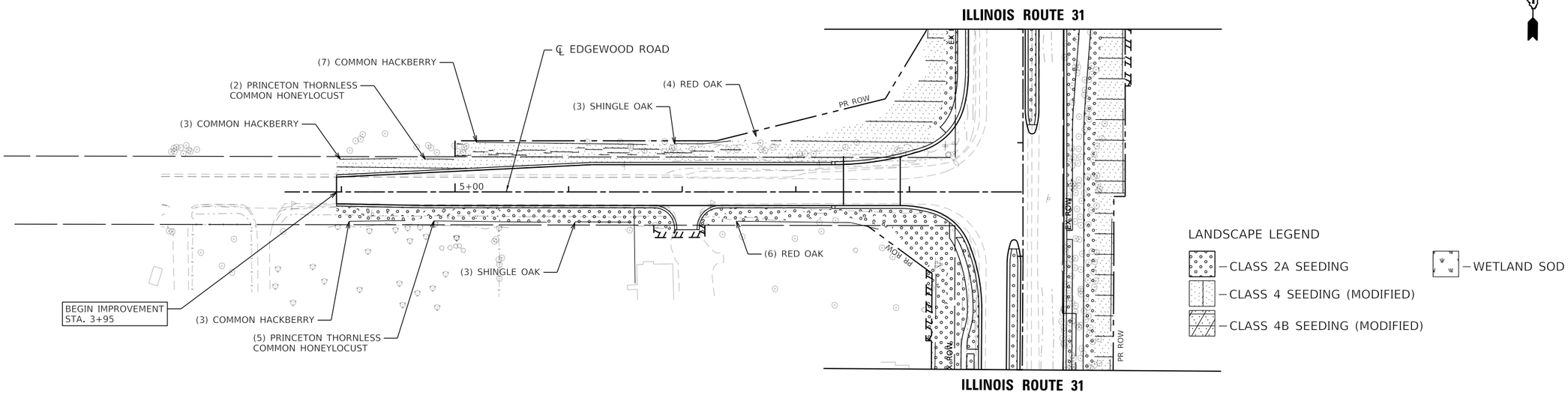
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
ILLINOIS ROUTE 31

SCALE: 1"=50' | SHEET 11 OF 14 SHEETS | STA. 373+00 TO STA. 397+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	580
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





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Hey and Associates, Inc.

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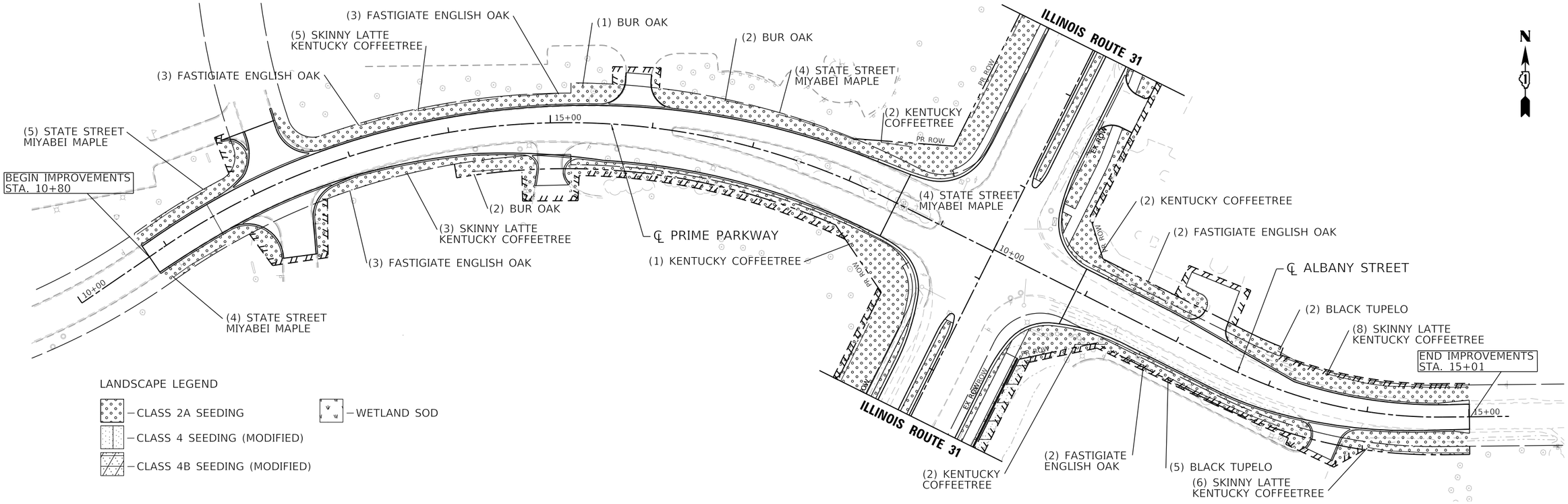
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
ILLINOIS ROUTE 31 & HALF MILE ROAD/EDGEWOOD ROAD

SCALE: 1"=50' | SHEET 12 OF 14 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	581
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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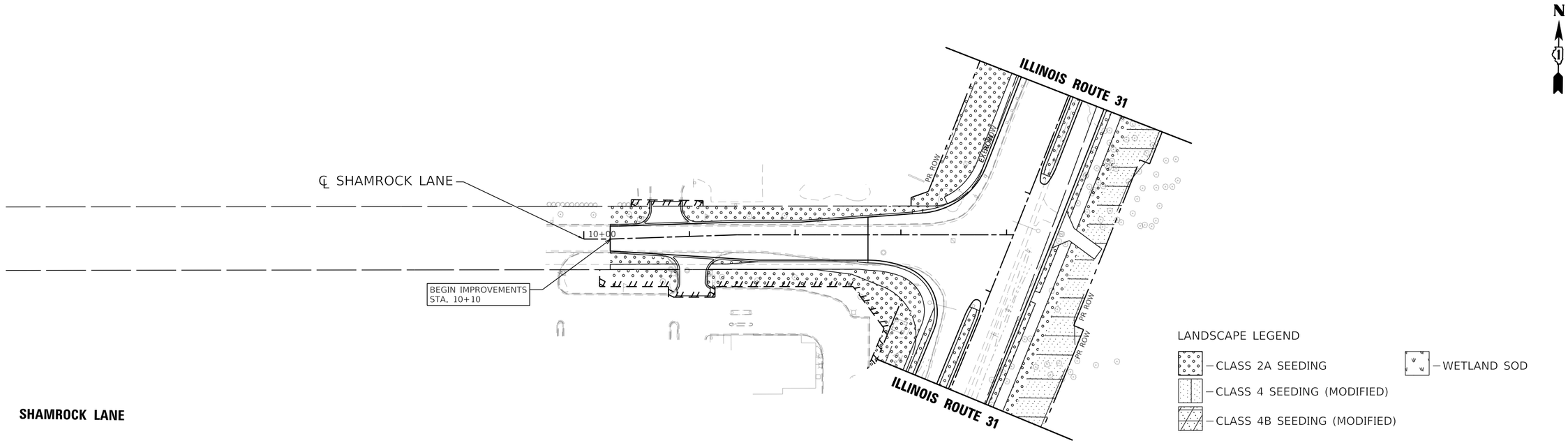
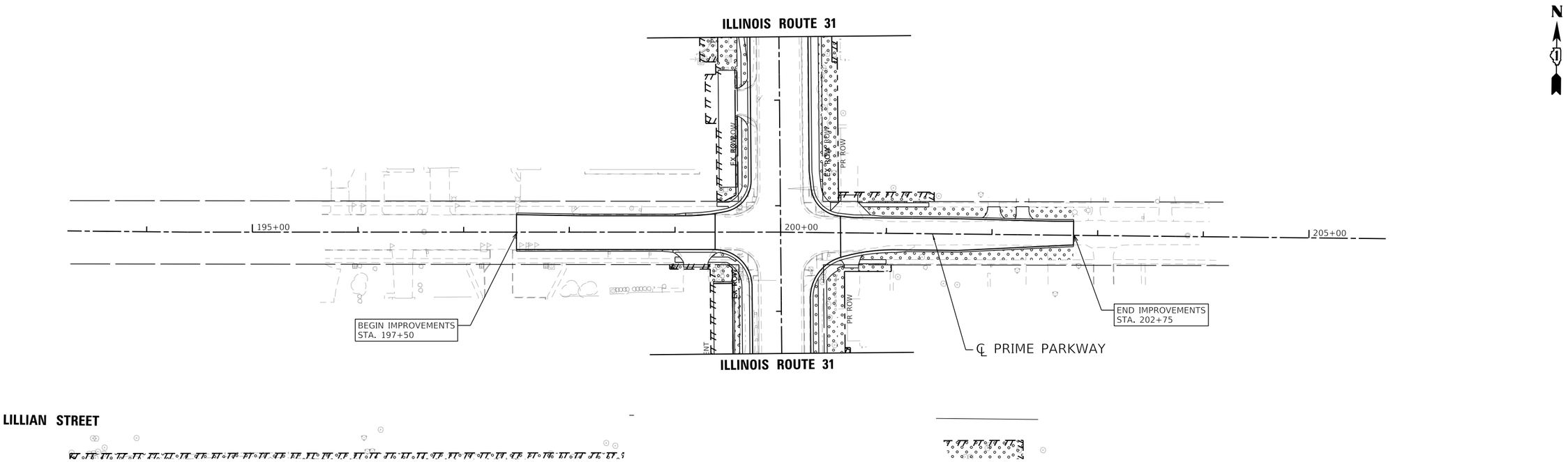
Hey and Associates, Inc.	USER NAME = eboelter	DESIGNED - HEY	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - HEY	REVISED -	
	PLOT SCALE = 100:1	CHECKED - HEY	REVISED -	
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

LANDSCAPE PLAN
ILLINOIS ROUTE 31 & PRIME PARKWAY/ALBANY STREET

SCALE: 1"=50' | SHEET 13 OF 14 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	582
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		





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Hey and Associates, Inc.	USER NAME = eboelter	DESIGNED - HEY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN ILLINOIS ROUTE 31 & SHAMROCK LANE/LILLIAN STREET
		DRAWN - HEY	REVISED -		
	PLOT SCALE = 100:1	CHECKED - HEY	REVISED -		
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	583
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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	DRAWN - IP	REVISED -		
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PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05			
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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		DRAWN -	REVISED -	
	PLOT SCALE = 40:1	CHECKED -	REVISED -	
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

IDOT DISTRICT ONE STANDARD DETAILS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 1 OF 8 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	584
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

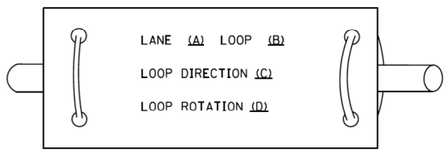
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

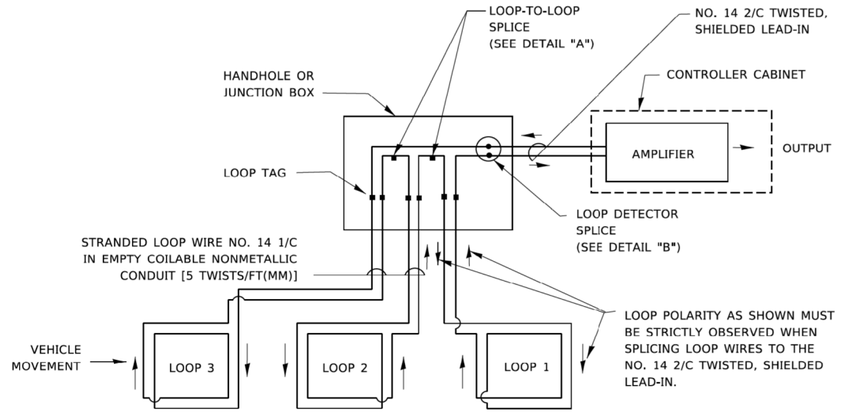
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD–IN CABLE TAG

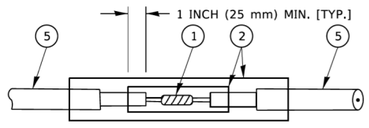


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

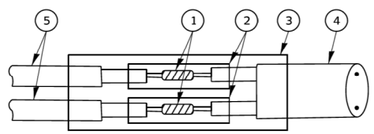


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
  SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

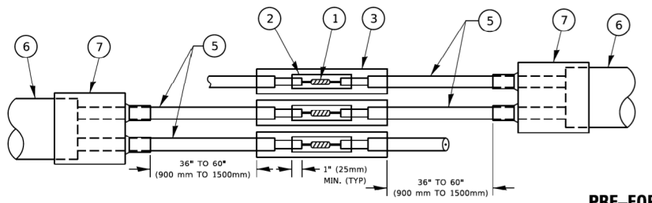


DETAIL "A"
LOOP-TO-LOOP SPLICE



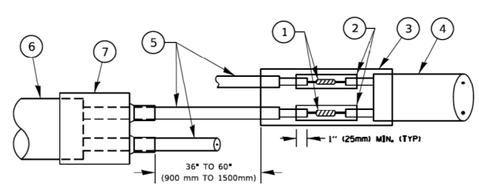
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE–FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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		DRAWN -	REVISED -				
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -		SCALE: NONE / SHEET 2 OF 8 SHEETS / STA. / TO STA.		TS–05 / CONTRACT NO.
	PLOT DATE = 3/4/2019	DATE -	REVISED -				ILLINOIS / FED. AID PROJECT

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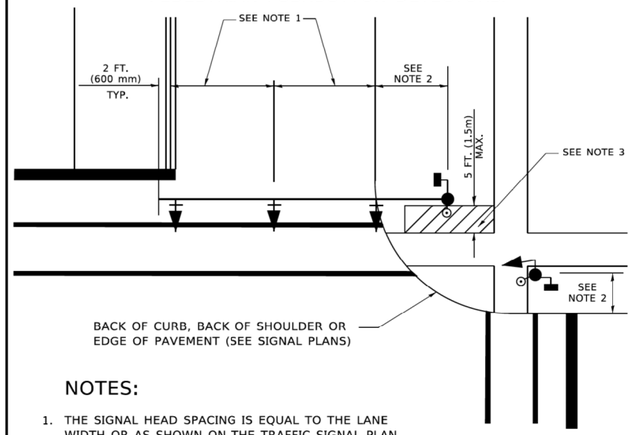
	USER NAME = eboelter	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IDOT DISTRICT ONE STANDARD DETAILS ILLINOIS ROUTE 31	F.A. P RTE.	SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -				
	PLOT SCALE = 40:1	CHECKED -	REVISED -		SCALE: NTS / SHEET 2 OF 8 SHEETS / STA. / TO STA.	336A	2019-196-W&R / McHENRY / 835 / 585
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -				CONTRACT NO. 62K69
							ILLINOIS / FED. AID PROJECT

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

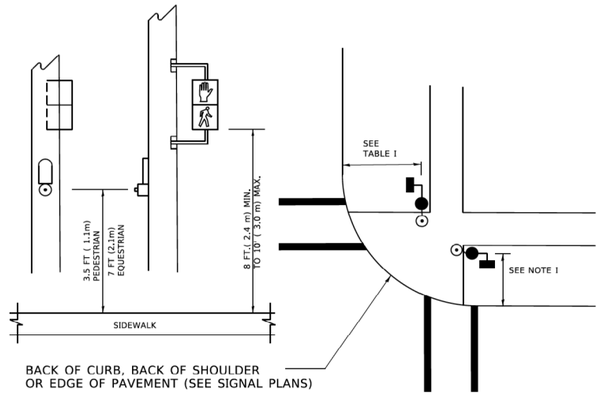
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

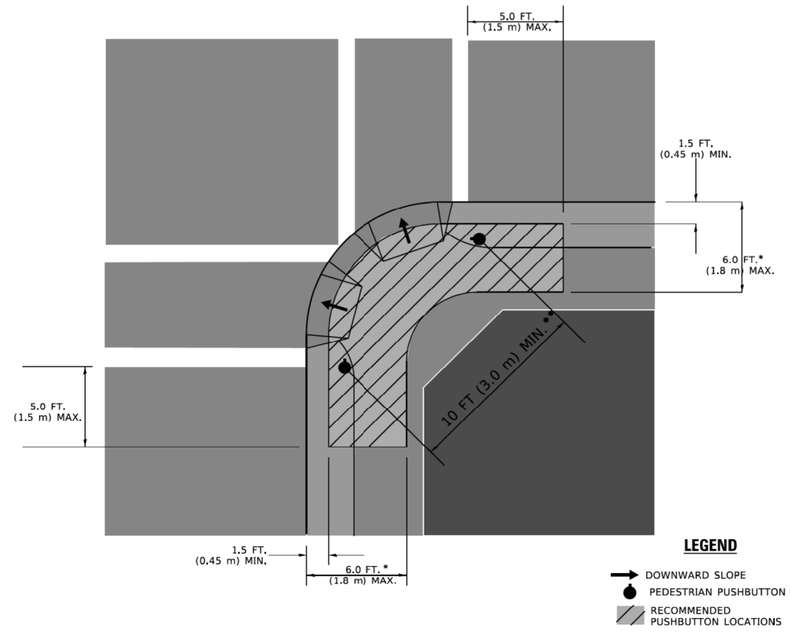
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 8 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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	DRAWN -	REVISED -	
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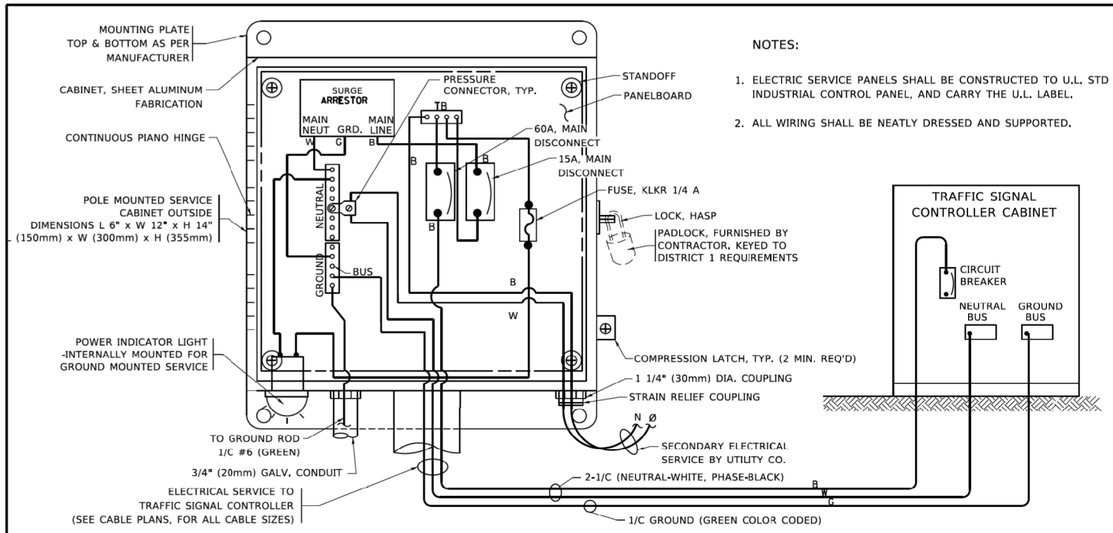
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT ONE STANDARD DETAILS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 3 OF 8 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	586
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		



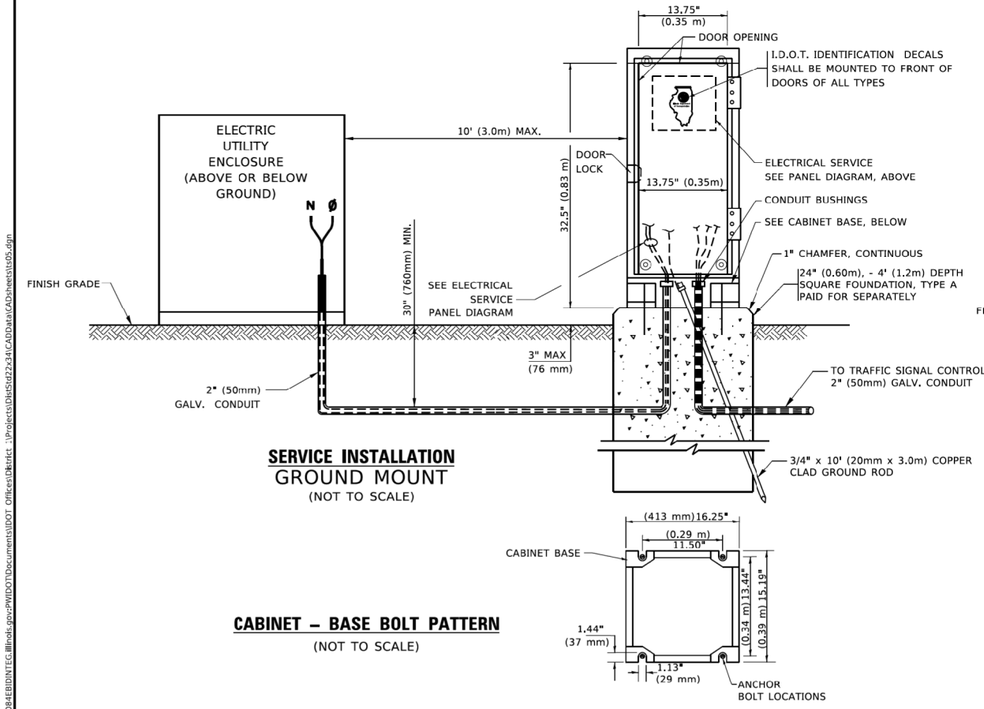
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

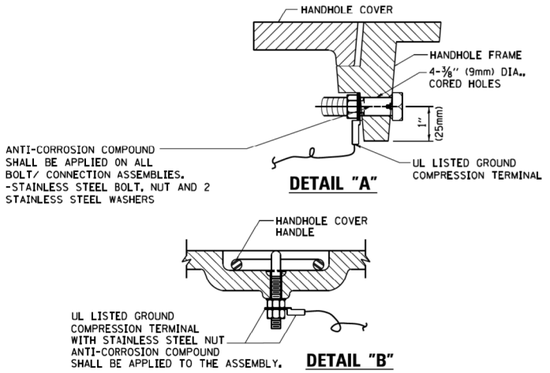


SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



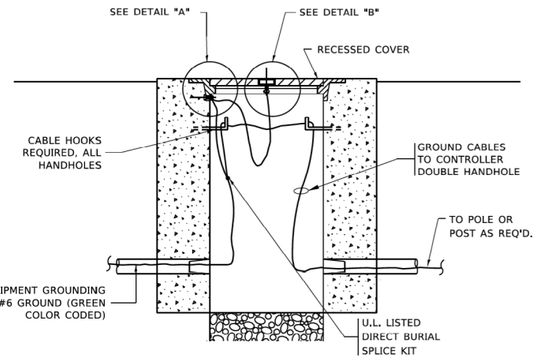
DETAIL "A"

DETAIL "B"

NOTES:

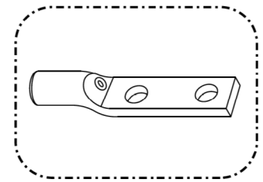
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



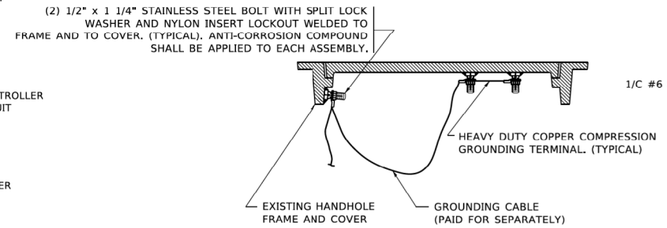
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

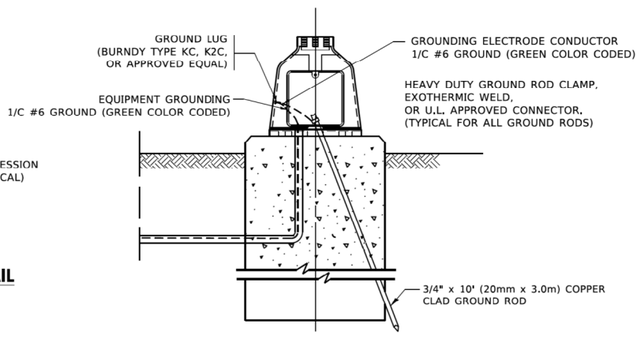
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				
SCALE: NONE	SHEET 4 OF 8 SHEETS	STA.	TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05			
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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IDOT DISTRICT ONE STANDARD DETAILS ILLINOIS ROUTE 31				
SCALE: NTS	SHEET 4 OF 8 SHEETS	STA.	TO STA.	

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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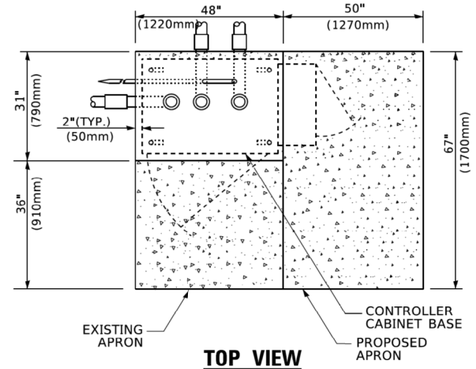
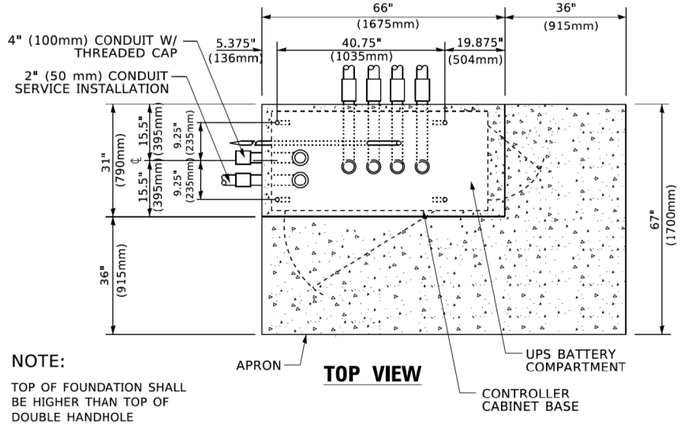


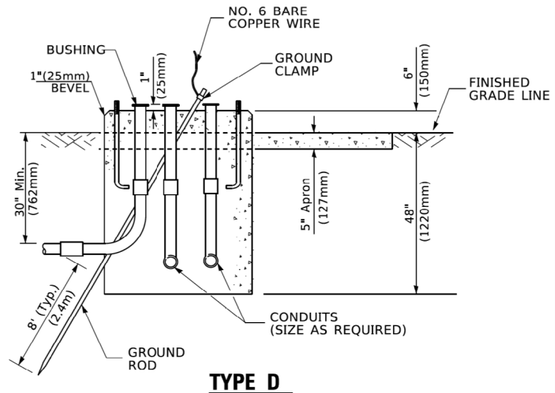
TOP VIEW



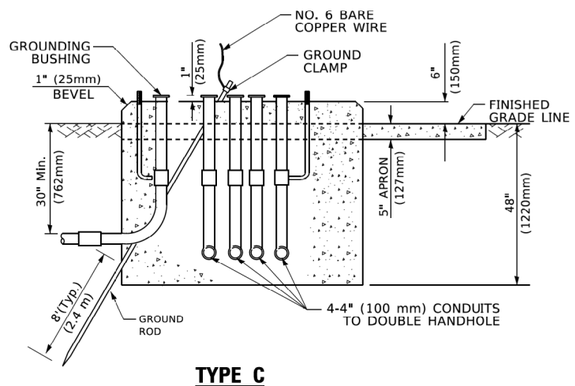
TOP VIEW

NOTE:

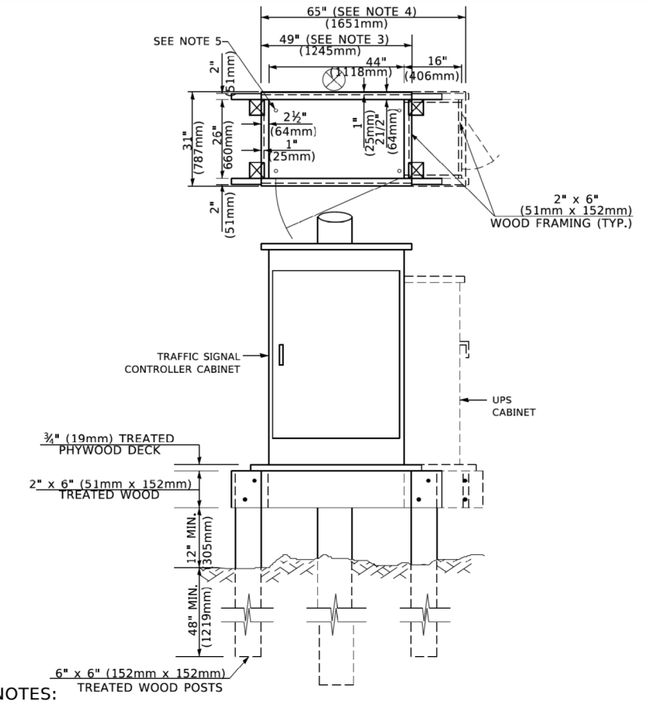
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 8 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT ONE STANDARD DETAILS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 5 OF 8 SHEETS | STA. | TO STA.

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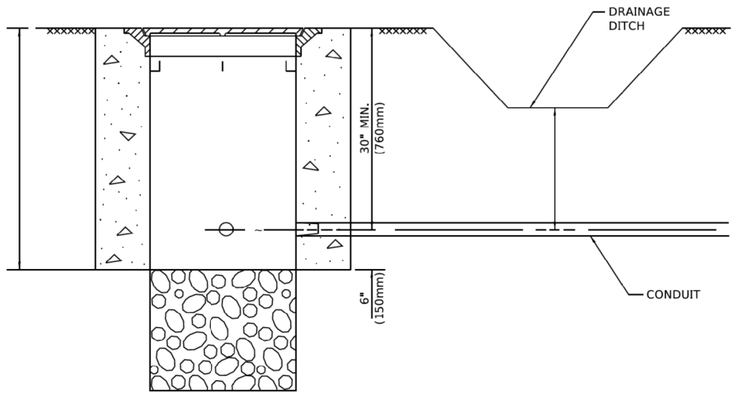
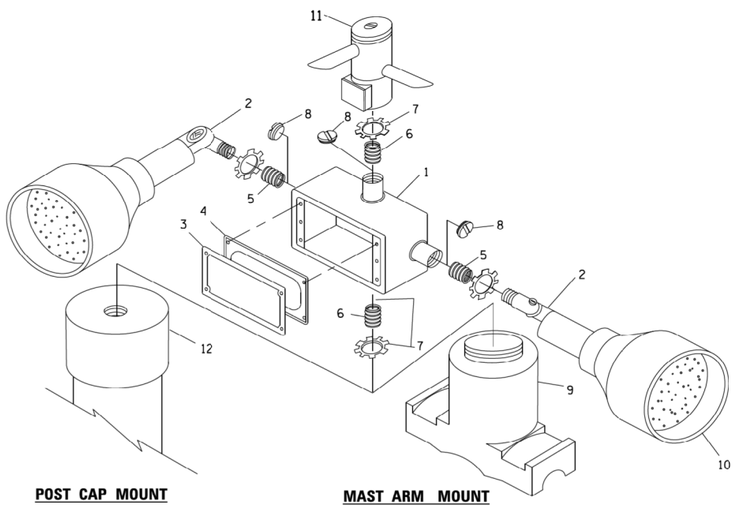


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



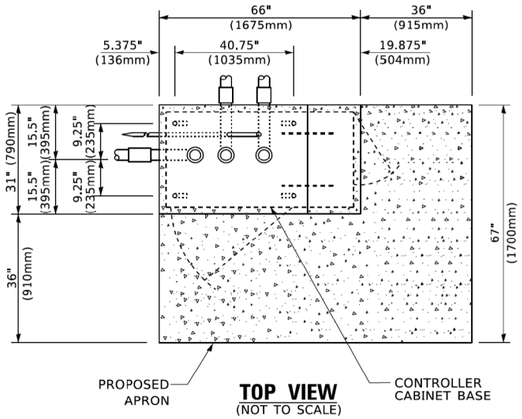
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

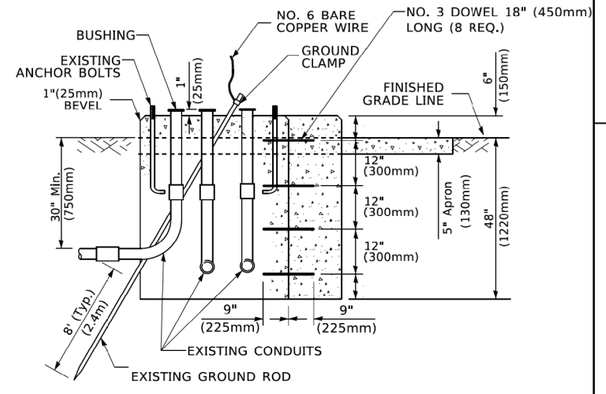
NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



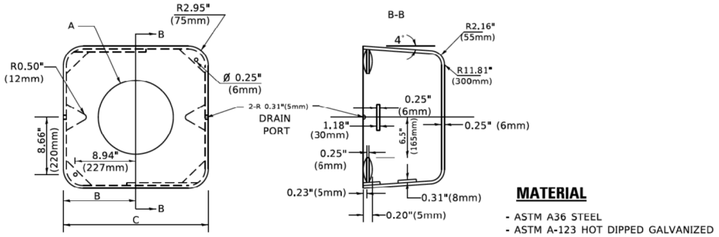
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

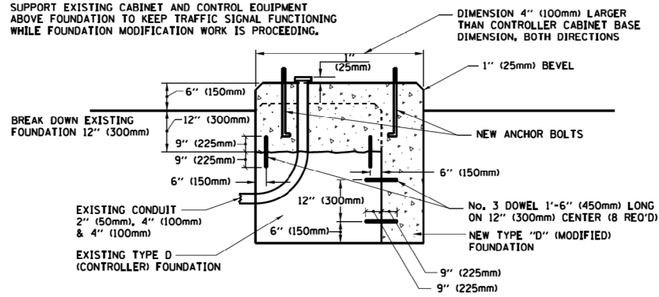
A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

SHROUD

NOTES:

1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



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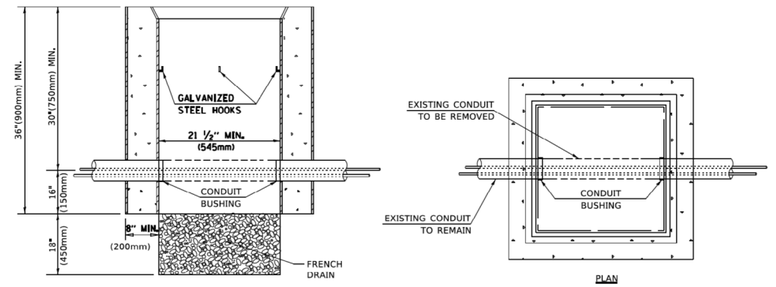

NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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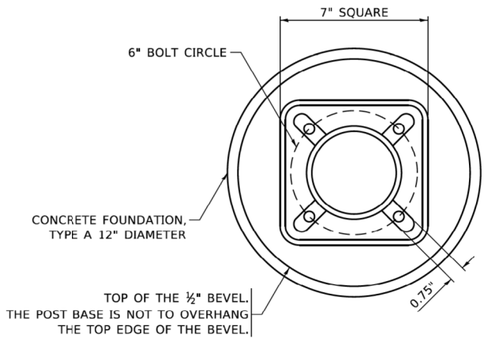
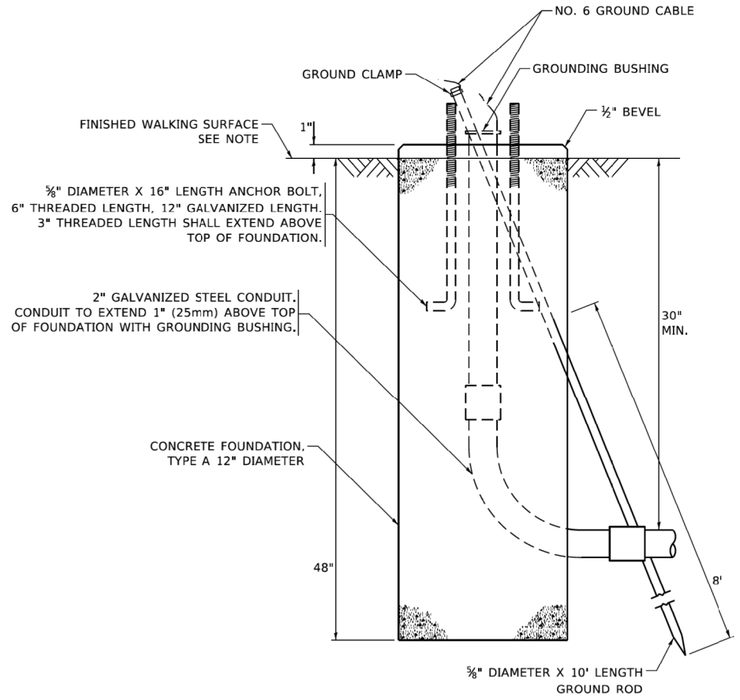
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



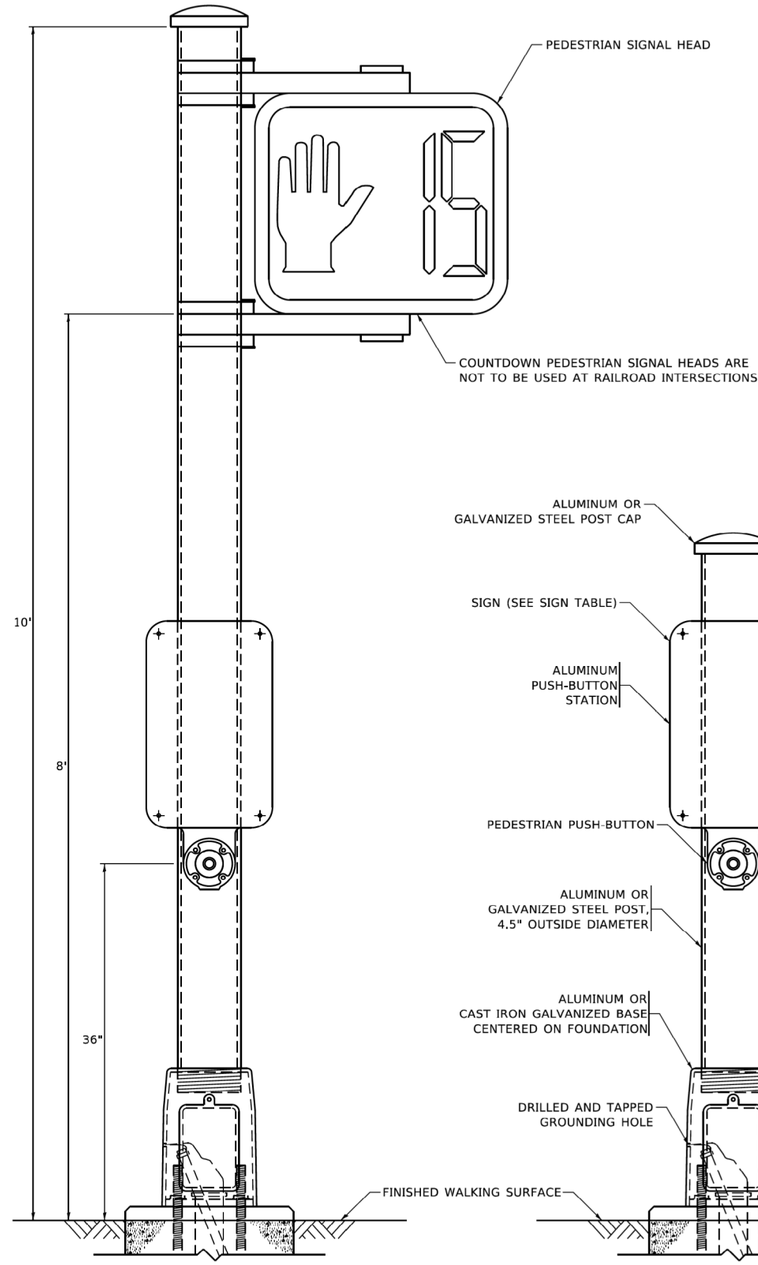
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.

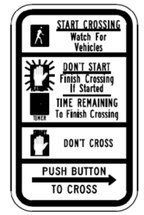
PEDESTRIAN SIGNAL POST, 5 FT.



R10–3b



R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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		DRAWN - IP	REVISED -		SCALE: NONE | SHEET 7 OF 8 SHEETS | STA. | TO STA.
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	PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS–05	CONTRACT NO.		
	ILLINOIS | FED. AID PROJECT			

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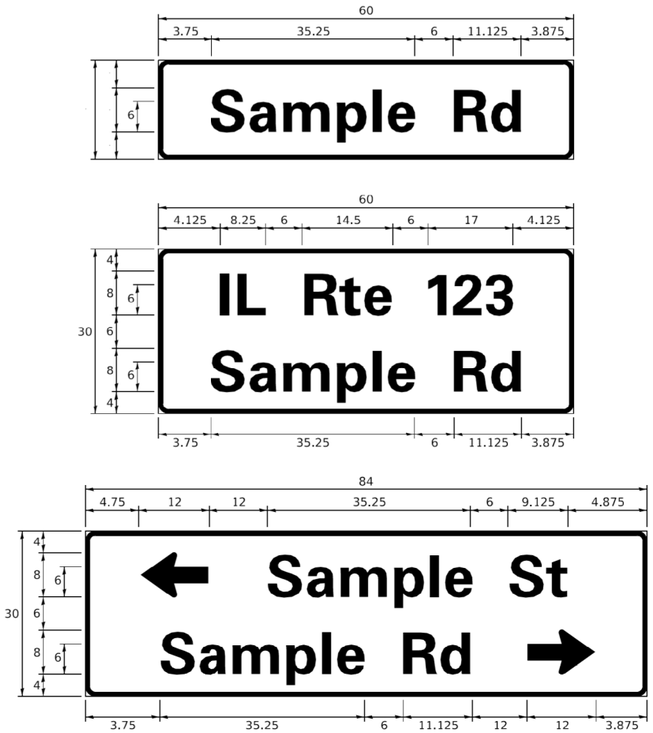
USER NAME = eboelter	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

IDOT DISTRICT ONE STANDARD DETAILS
ILLINOIS ROUTE 31

SCALE: NTS | SHEET 7 OF 8 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	590
		CONTRACT NO. 62K69		
	ILLINOIS | FED. AID PROJECT			

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

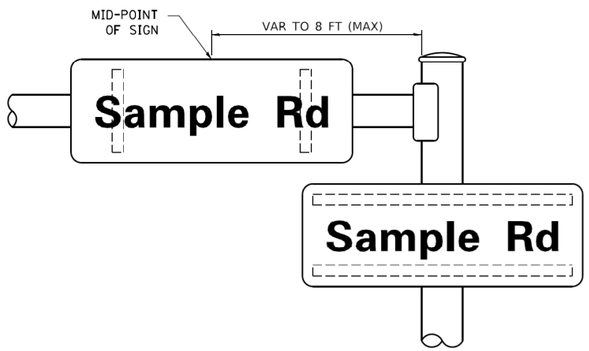
PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

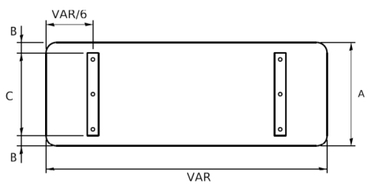
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

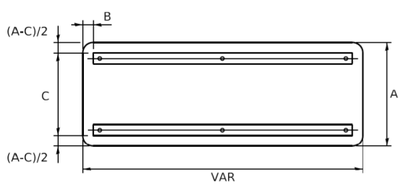
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-02	CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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		DRAWN -	REVISED -		SCALE: NTS SHEET 8 OF 8 SHEETS STA. TO STA.
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	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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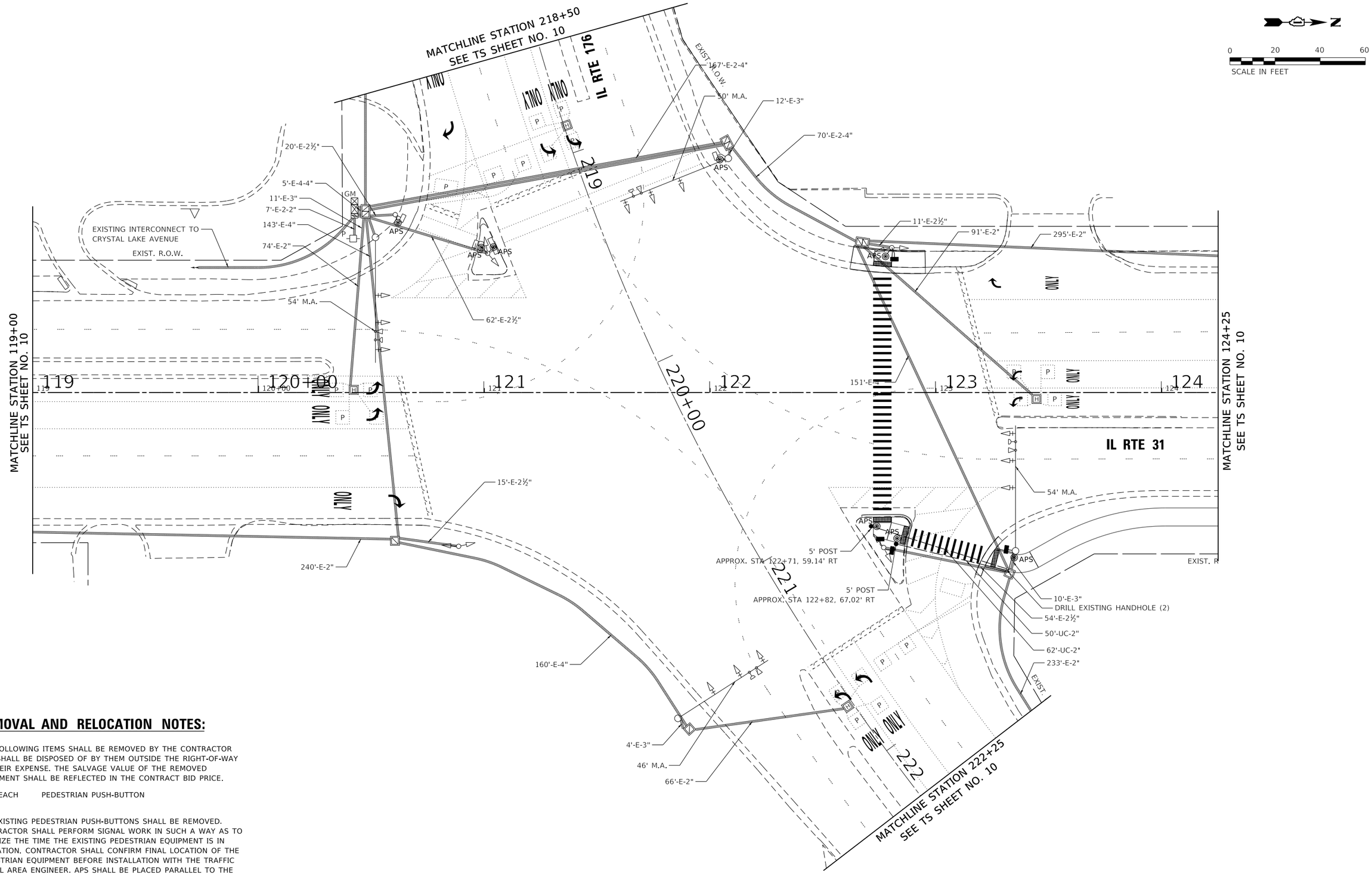
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

3 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED. CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS IN OPERATION. CONTRACTOR SHALL CONFIRM FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.

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	DRAWN - AP	REVISED -	
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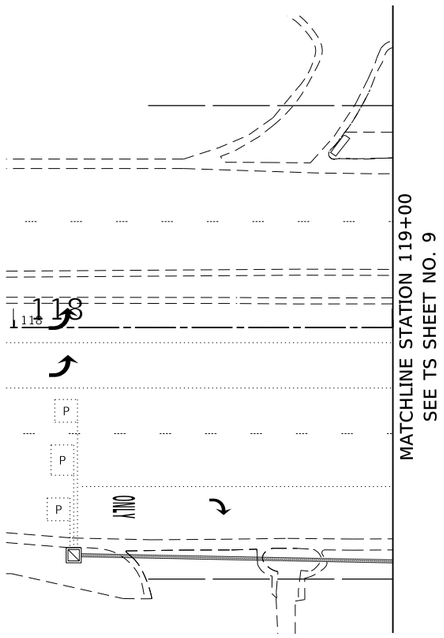
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

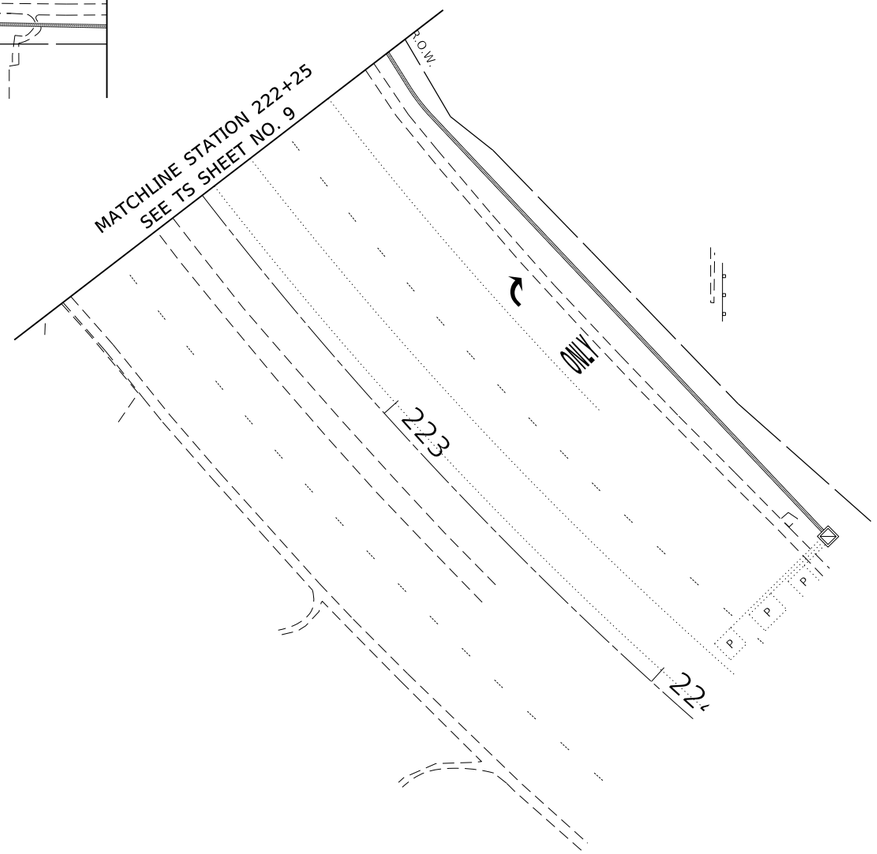
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

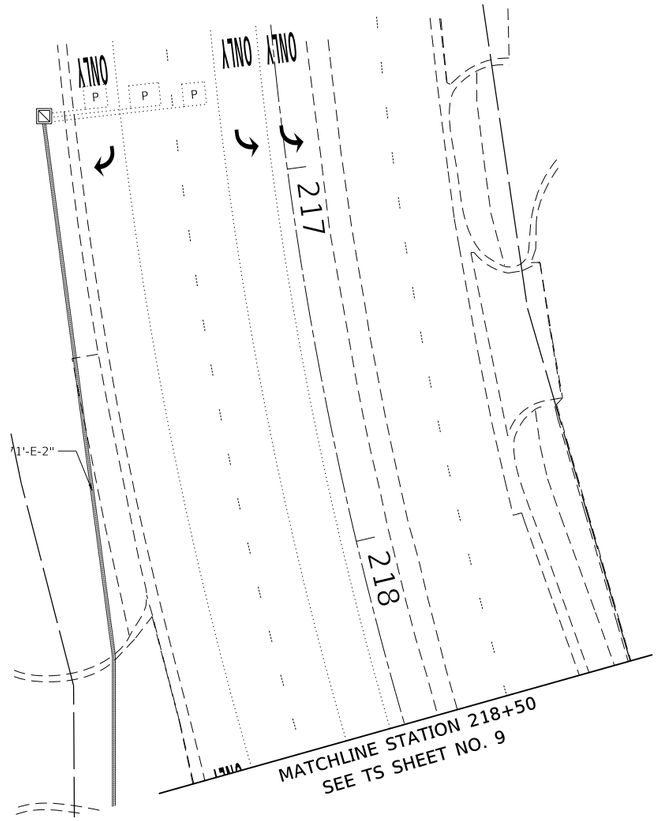
TRAFFIC SIGNAL MODERNIZATION PLAN
ILLINOIS ROUTE 31 AND ILLINOIS ROUTE 176

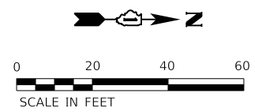
SCALE: 1"=20' | SHEET 1 OF 6 SHEETS | STA. | TO STA.

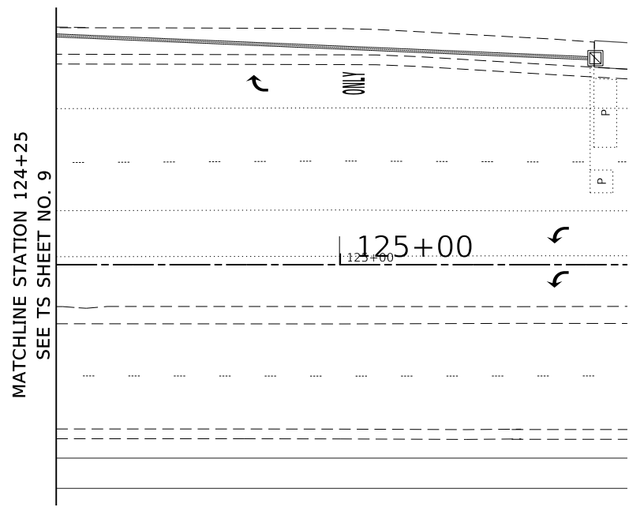
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	592
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		











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	DRAWN - AP	REVISED -
PLOT SCALE = 40:1	CHECKED -	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

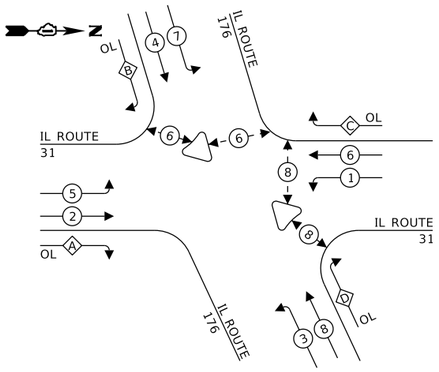
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
ILLINOIS ROUTE 31 AND ILLINOIS ROUTE 176

SCALE: 1"=20' | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	593
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



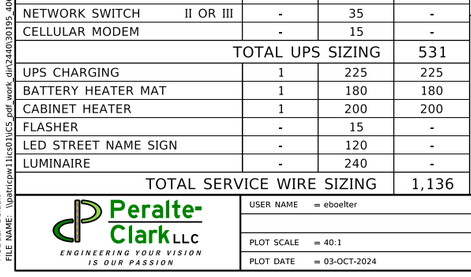
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



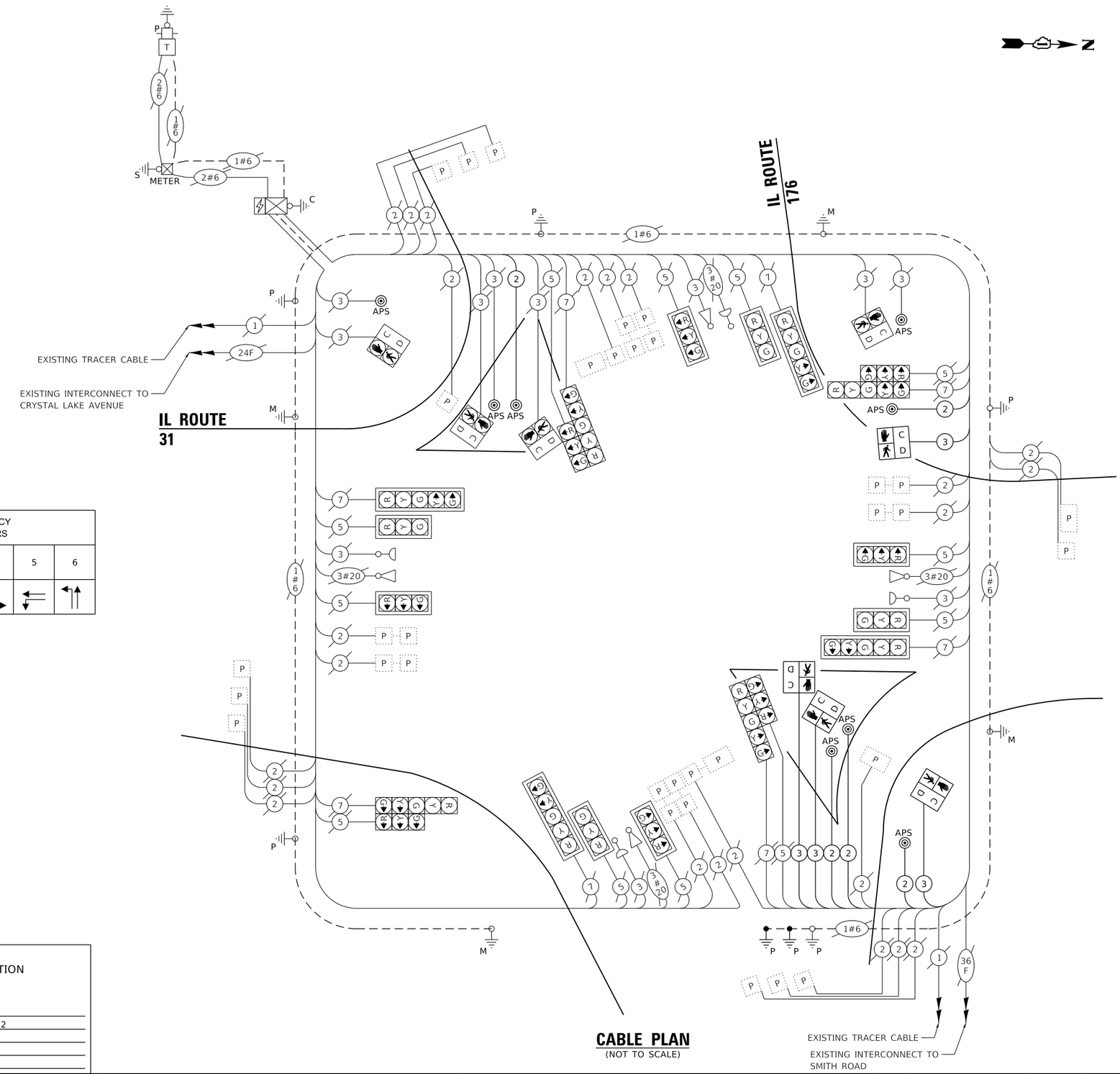
PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			531
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,136

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY:
CONTACT: JOE STACHO
PHONE: (866) 639-3532
COMPANY: COMED
ACCOUNT NUMBER: 30456-06582
METER NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

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Peralte-Clark LLC
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USER NAME = eboelter	DESIGNED - BT	REVISED -	
	DRAWN - AP	REVISED -	
PLOT SCALE = 40:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAM, AND EVP SEQUENCE
ILLINOIS ROUTE 31 AND ILLINOIS ROUTE 176

SCALE: NTS | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	594
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	112
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1846
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1857
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	118
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

0 20 40 60

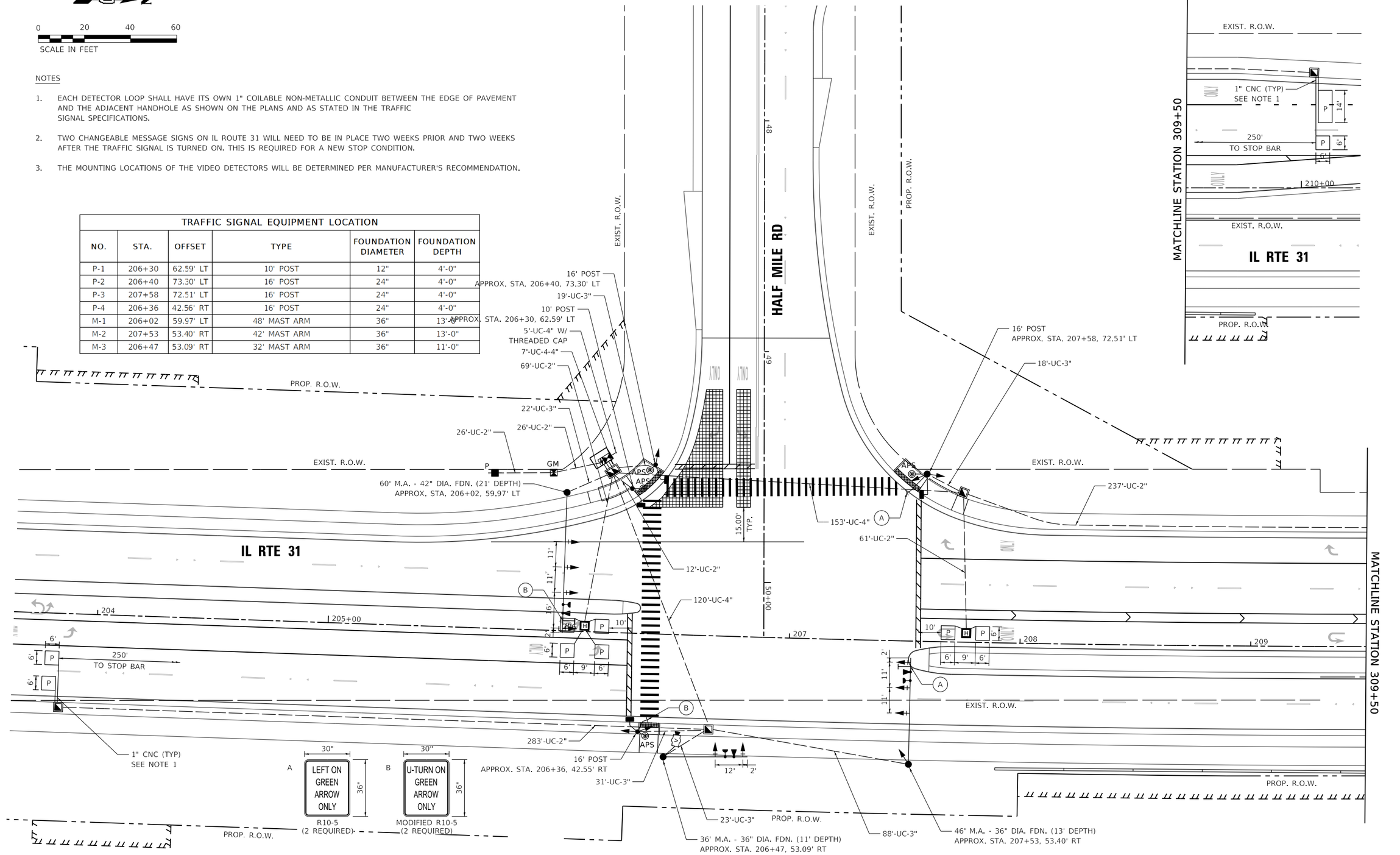
SCALE IN FEET

NOTES

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. TWO CHANGEABLE MESSAGE SIGNS ON IL ROUTE 31 WILL NEED TO BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED ON. THIS IS REQUIRED FOR A NEW STOP CONDITION.
3. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER MANUFACTURER'S RECOMMENDATION.

TRAFFIC SIGNAL EQUIPMENT LOCATION

NO.	STA.	OFFSET	TYPE	FOUNDATION DIAMETER	FOUNDATION DEPTH
P-1	206+30	62.59' LT	10' POST	12"	4'-0"
P-2	206+40	73.30' LT	16' POST	24"	4'-0"
P-3	207+58	72.51' LT	16' POST	24"	4'-0"
P-4	206+36	42.56' RT	16' POST	24"	4'-0"
M-1	206+02	59.97' LT	48' MAST ARM	36"	13'-0"
M-2	207+53	53.40' RT	42' MAST ARM	36"	13'-0"
M-3	206+47	53.09' RT	32' MAST ARM	36"	11'-0"



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Peralte-Clark LLC
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USER NAME = eboelter	DESIGNED - BT	REVISED -	
	DRAWN - AP	REVISED -	
PLOT SCALE = 40:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

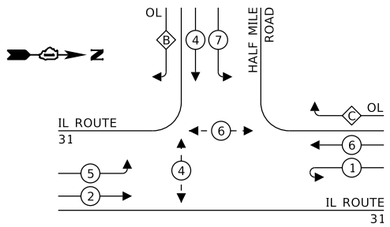
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
ILLINOIS ROUTE 31 AND HALF MILE ROAD

SCALE: 1"=20' | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	596
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



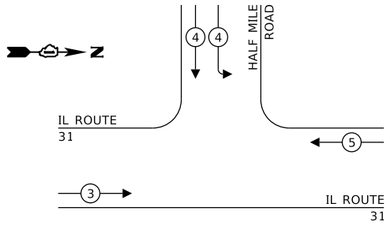
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

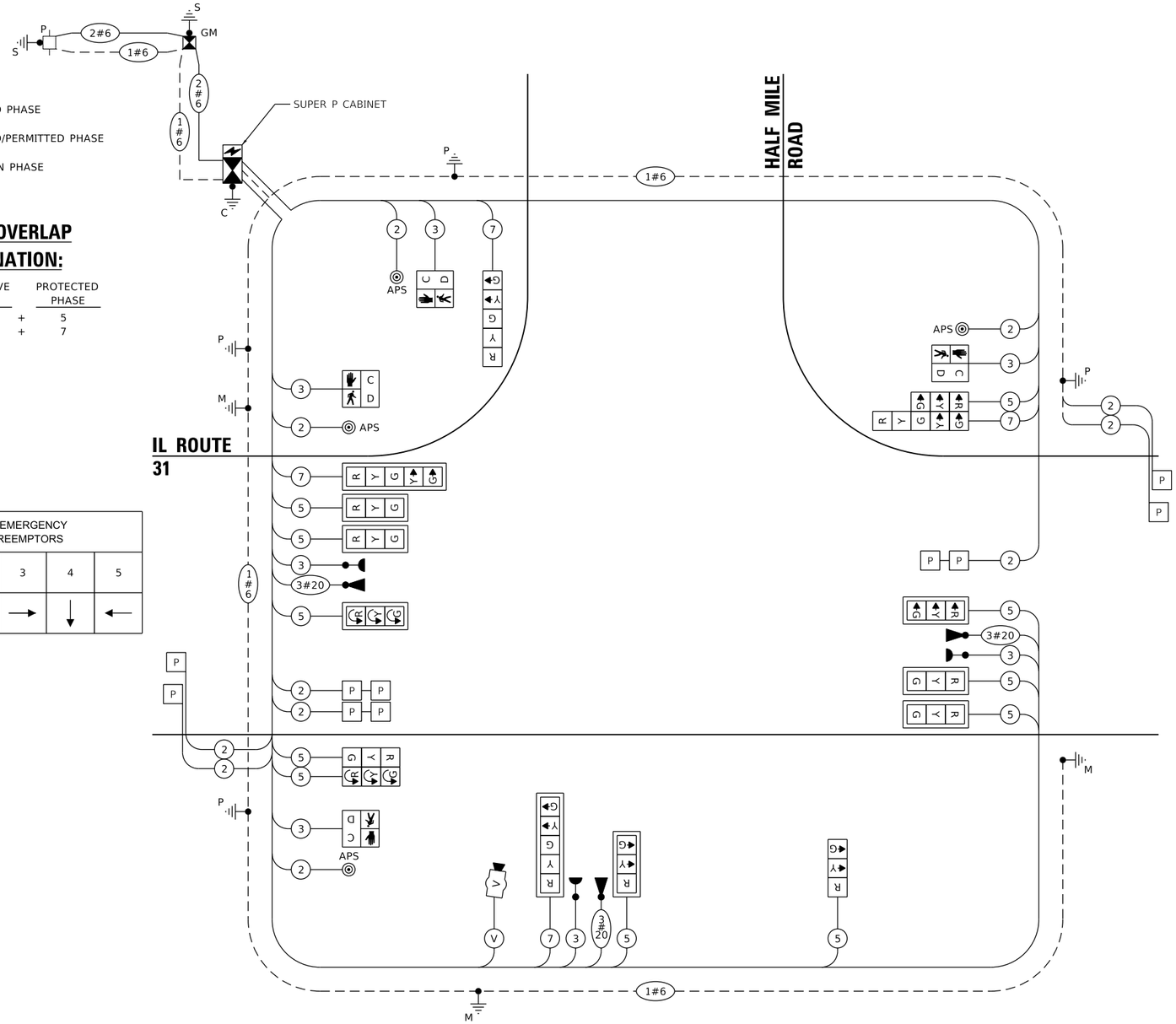
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	↓	←



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	11	11	121
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			428
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,033

ENERGY COSTS TO:
VILLAGE OF PRAIRIE GROVE
3125 BARREVILLE RD,
PRAIRIE GROVE, IL 60012

ENERGY SUPPLY:
CONTACT: CASSIE EVANS
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 38693-42222
METER NUMBER: ---

CABLE PLAN
(NOT TO SCALE)

MODEL: Default
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PLOT SCALE = 40:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

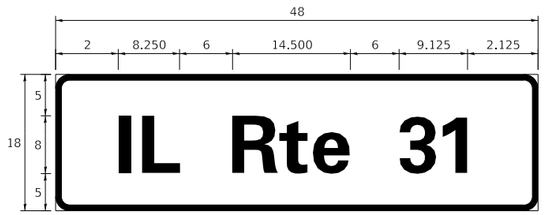
CABLE PLAN, PHASE DIAGRAM, AND EVP SEQUENCE
ILLINOIS ROUTE 31 AND HALF MILE ROAD

SCALE: NTS | SHEET 2 OF 5 SHEETS | STA. | TO STA.

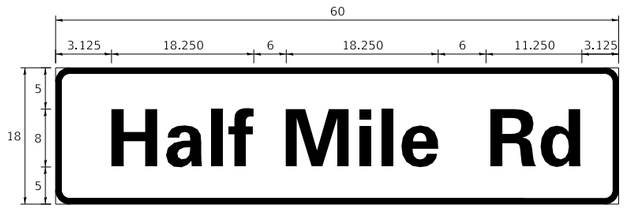
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	597
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	6.75	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	8.25	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	CHANGEABLE MESSAGE SIGN	CAL DA	56
	SIGN PANEL - TYPE 1	SQ FT	54
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	688
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	201
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	306
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	674
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1393
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2712
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	730
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1859
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	116
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	567
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
	INDUCTIVE LOOP DETECTOR	EACH	7
	DETECTOR LOOP, TYPE I	FOOT	324
*	LIGHT DETECTOR	EACH	4
*	LIGHT DETECTOR AMPLIFIER	EACH	1
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	818
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4

* 100% COST TO THE VILLAGE OF PRAIRIE GROVE

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USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SOQ
ILLINOIS ROUTE 31 AND HALF MILE ROAD

SCALE: NTS | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	598
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

N

0 20 40 60

SCALE IN FEET

NOTES

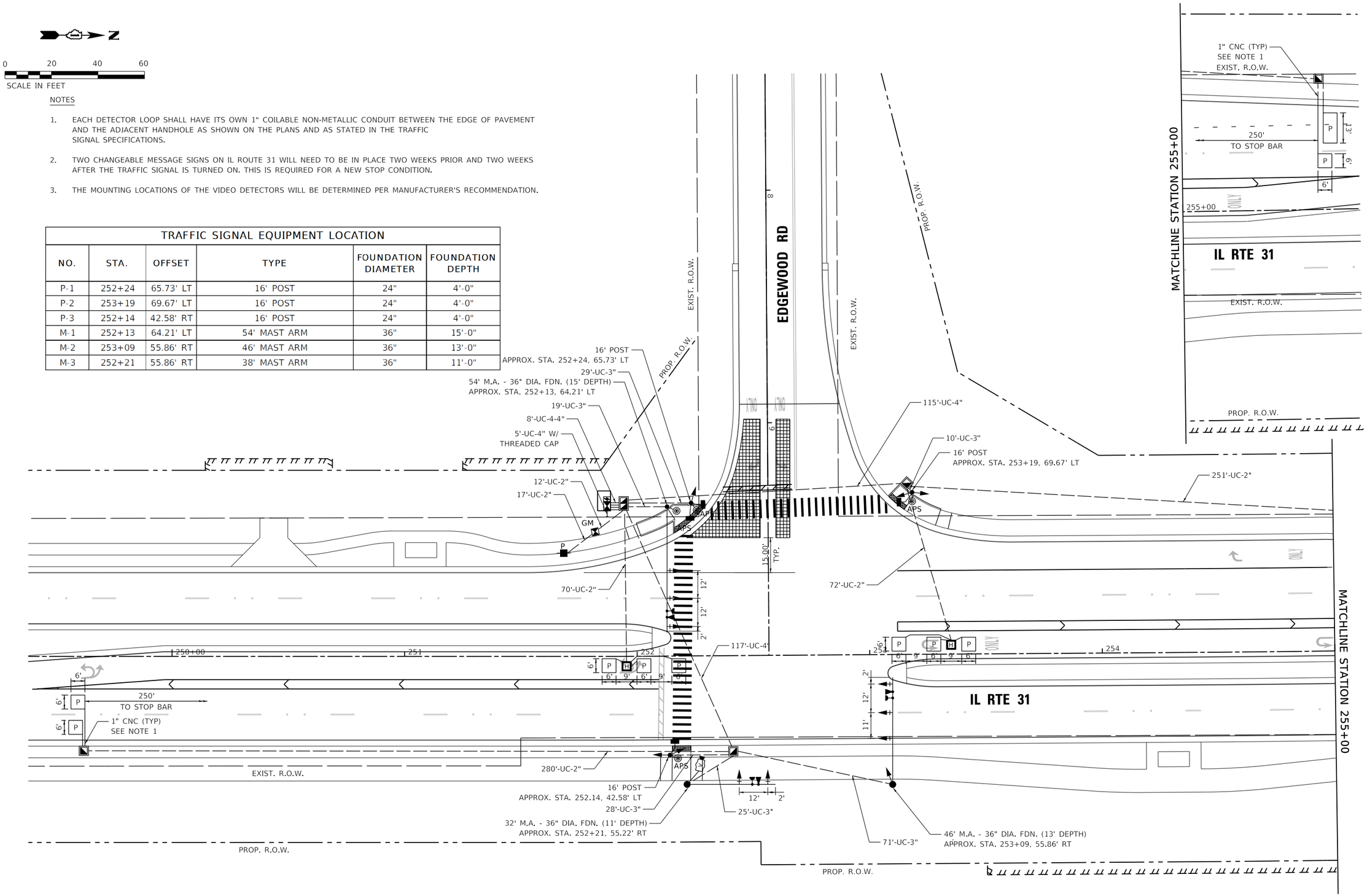
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

2. TWO CHANGEABLE MESSAGE SIGNS ON IL ROUTE 31 WILL NEED TO BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED ON. THIS IS REQUIRED FOR A NEW STOP CONDITION.

3. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER MANUFACTURER'S RECOMMENDATION.

TRAFFIC SIGNAL EQUIPMENT LOCATION

NO.	STA.	OFFSET	TYPE	FOUNDATION DIAMETER	FOUNDATION DEPTH
P-1	252+24	65.73' LT	16' POST	24"	4'-0"
P-2	253+19	69.67' LT	16' POST	24"	4'-0"
P-3	252+14	42.58' RT	16' POST	24"	4'-0"
M-1	252+13	64.21' LT	54' MAST ARM	36"	15'-0"
M-2	253+09	55.86' RT	46' MAST ARM	36"	13'-0"
M-3	252+21	55.86' RT	38' MAST ARM	36"	11'-0"



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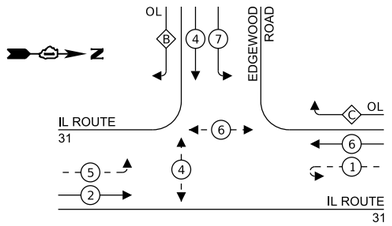
Peralte-Clark LLC — ENGINEERING YOUR VISION IS OUR PASSION	USER NAME = eboelter	DESIGNED - BT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN ILLINOIS ROUTE 31 AND EDGEWOOD ROAD
		DRAWN - AP	REVISED -		
	PLOT SCALE = 40:1	CHECKED -	REVISED -		SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	599
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



LEGEND:

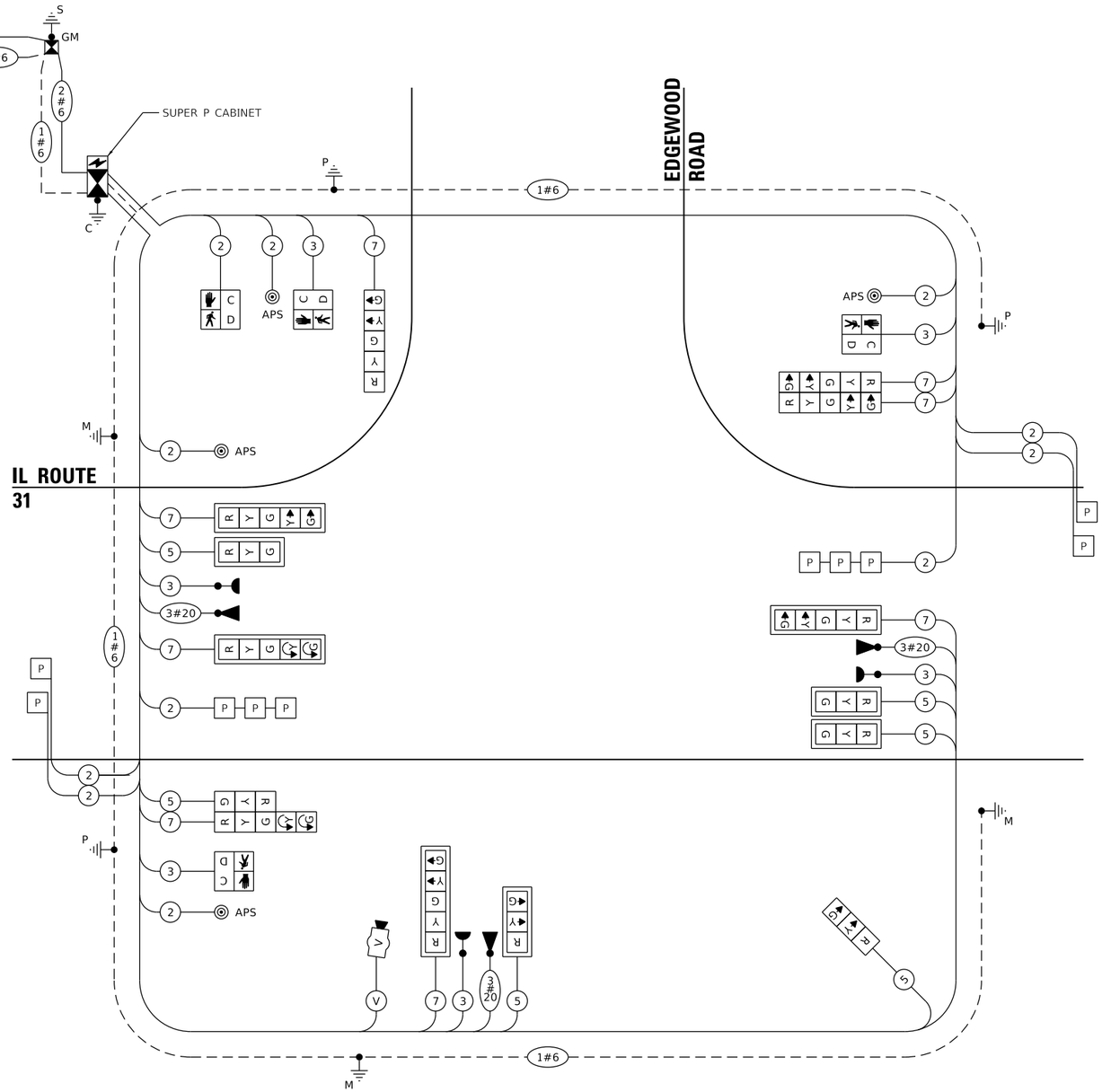
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			425
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,030

ENERGY COSTS TO:
VILLAGE OF PRAIRIE GROVE
3125 BARREVILLE RD,
PRAIRIE GROVE, IL 60012

ENERGY SUPPLY:
CONTACT: CASSIE EVANS
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 38693-42222
METER NUMBER: ---

CABLE PLAN
(NOT TO SCALE)

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PLOT SCALE = 40:1	CHECKED -	REVISED -
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

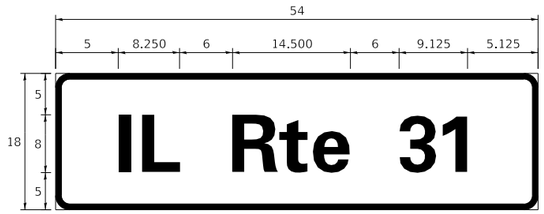
CABLE PLAN, PHASE DIAGRAM, AND EVP SEQUENCE
ILLINOIS ROUTE 31 AND EDGEWOOD ROAD

SCALE: NTS | SHEET 3 OF 5 SHEETS | STA. | TO STA.

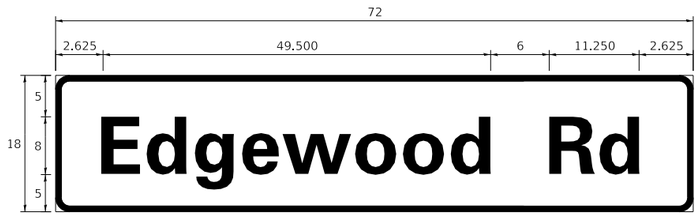
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	600
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	6.75	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	CHANGEABLE MESSAGE SIGN	CAL DA	56
	SIGN PANEL - TYPE 1	SQ FT	25
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	685
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	182
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	240
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	540
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	963
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	605
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1164
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	454
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	70
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	461
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	16
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
	INDUCTIVE LOOP DETECTOR	EACH	6
	DETECTOR LOOP, TYPE I	FOOT	1326
*	LIGHT DETECTOR	EACH	3
*	LIGHT DETECTOR AMPLIFIER	EACH	1
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	414
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4

* 100% COST TO THE VILLAGE OF PRAIRIE GROVE

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Peralte-Clark LLC
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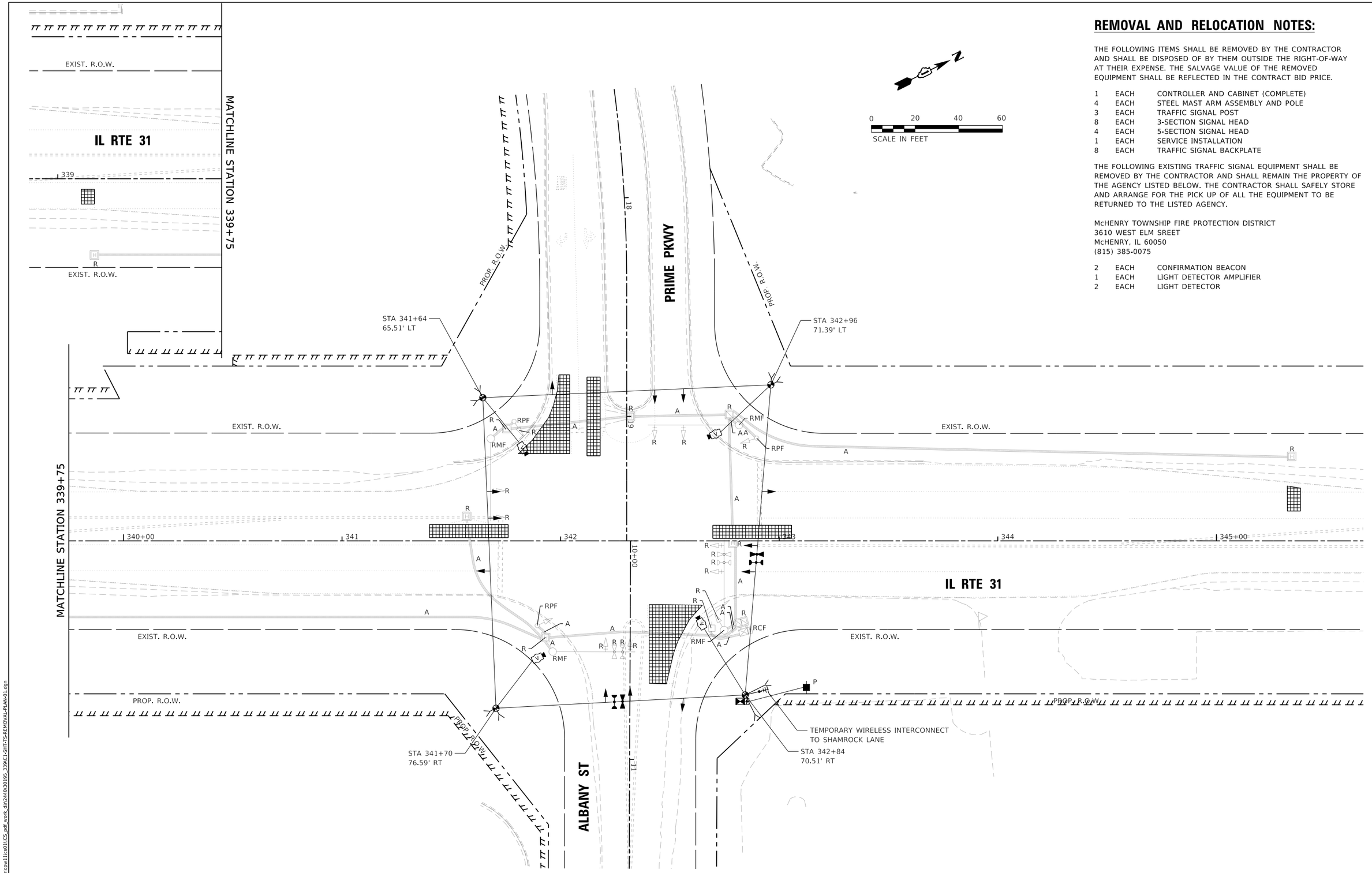
USER NAME = eboelter	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SOQ
ILLINOIS ROUTE 31 AND EDGEWOOD ROAD

SCALE: NTS | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	601
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
4	EACH	STEEL MAST ARM ASSEMBLY AND POLE
3	EACH	TRAFFIC SIGNAL POST
8	EACH	3-SECTION SIGNAL HEAD
4	EACH	5-SECTION SIGNAL HEAD
1	EACH	SERVICE INSTALLATION
8	EACH	TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

McHENRY TOWNSHIP FIRE PROTECTION DISTRICT
3610 WEST ELM SREET
McHENRY, IL 60050
(815) 385-0075

2	EACH	CONFIRMATION BEACON
1	EACH	LIGHT DETECTOR AMPLIFIER
2	EACH	LIGHT DETECTOR

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Peralte-Clark LLC
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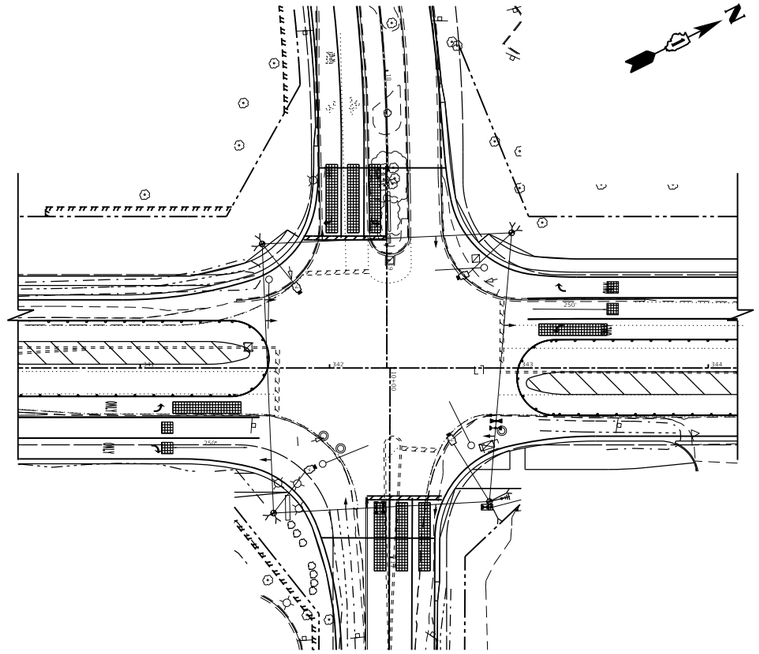
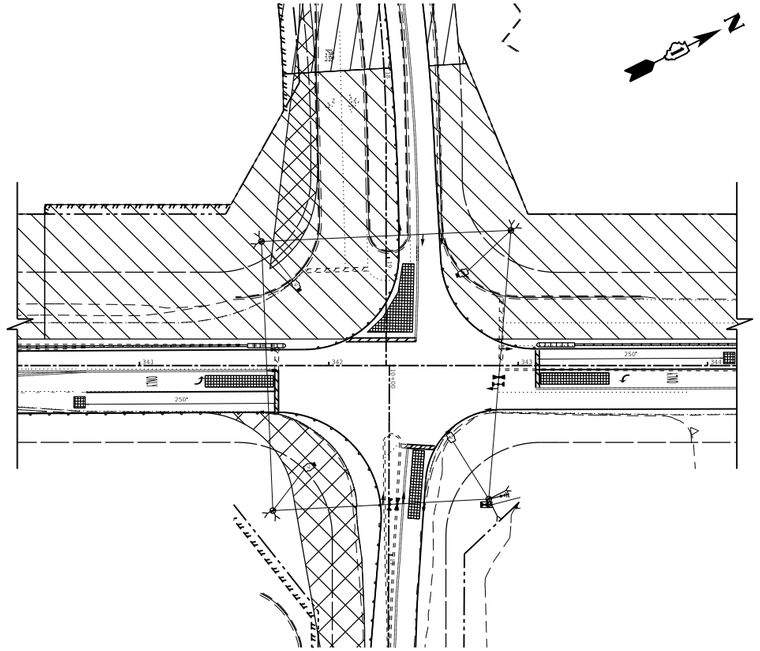
USER NAME = eboelter	DESIGNED - BT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN ILLINOIS ROUTE 31 AND PRIME PARKWAY/ALBANY STREET	
	DRAWN - AP	REVISED -			
PLOT SCALE = 40:1	CHECKED -	REVISED -			
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.	

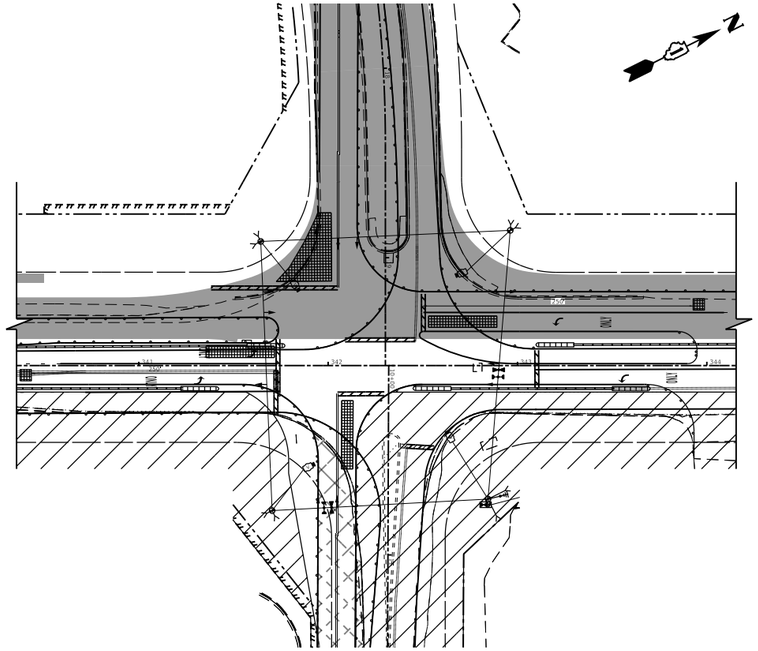
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	602
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	



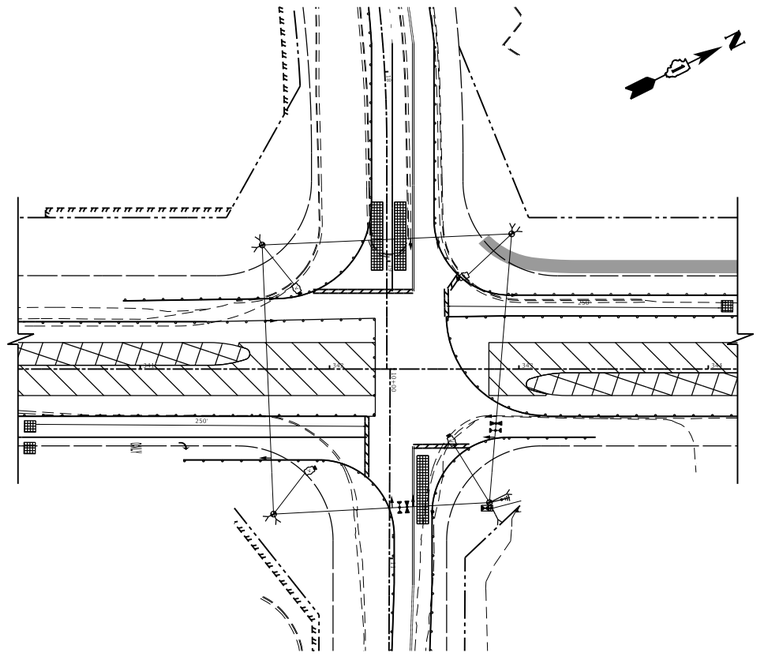
TEMPORARY TRAFFIC SIGNAL PRESTAGE



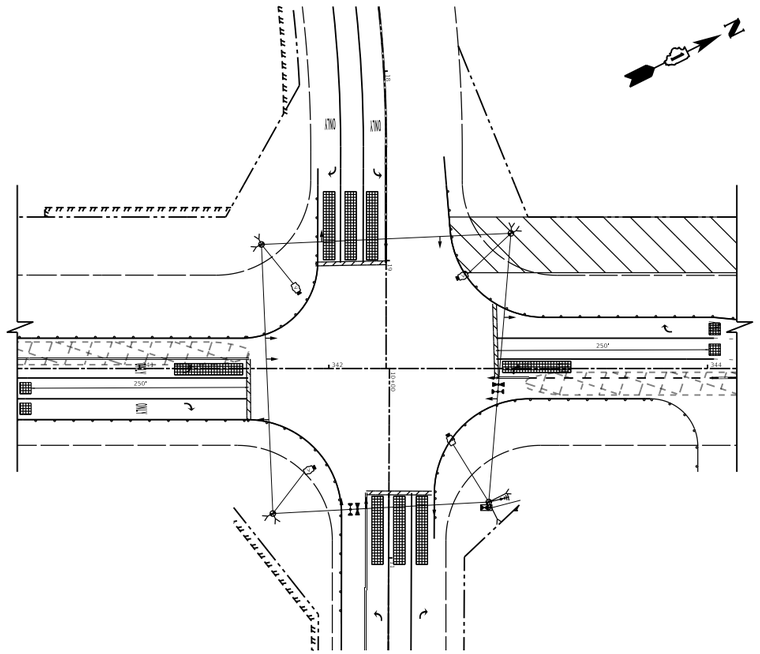
TEMPORARY TRAFFIC SIGNAL STAGE 1



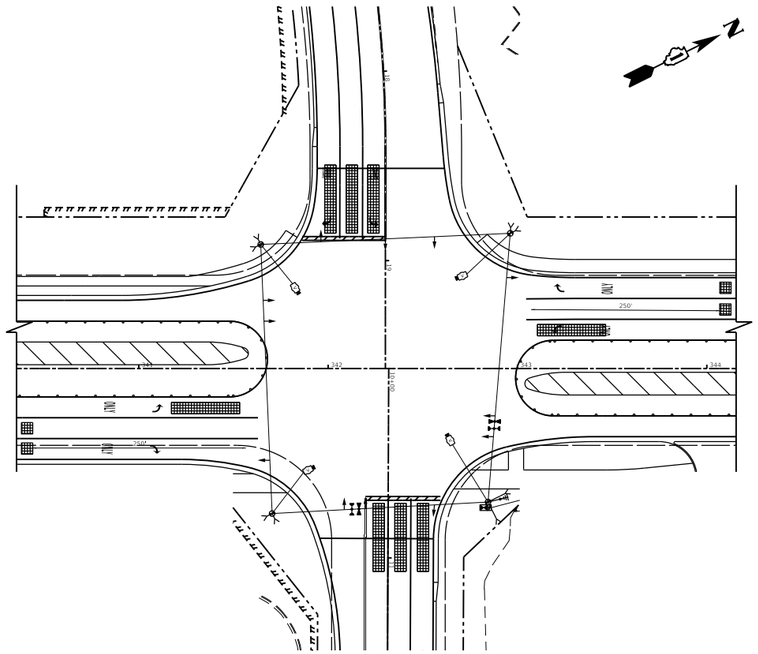
TEMPORARY TRAFFIC SIGNAL STAGE 1A



TEMPORARY TRAFFIC SIGNAL STAGE 1B



TEMPORARY TRAFFIC SIGNAL STAGE 2



TEMPORARY TRAFFIC SIGNAL STAGE 3

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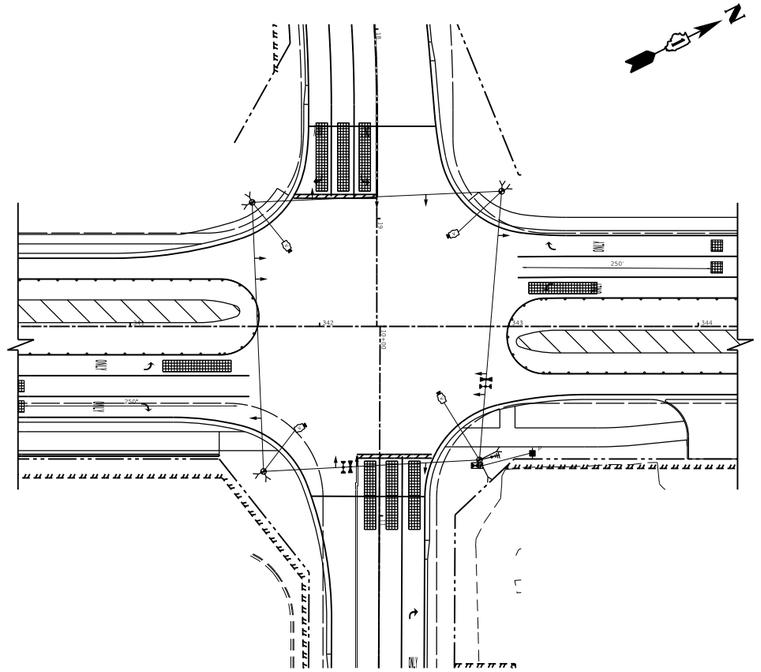
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

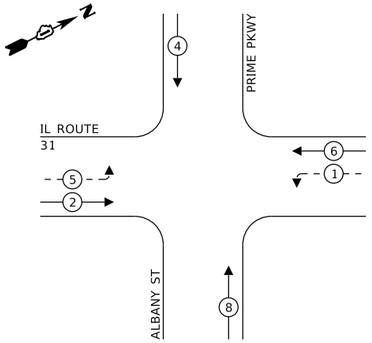
TEMPORARY TRAFFIC SIGNAL INSTALLATION
ILLINOIS ROUTE 31 AND PRIME PARKWAY/ALBANY STREET

SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	603
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		


N
250'
250'
250'

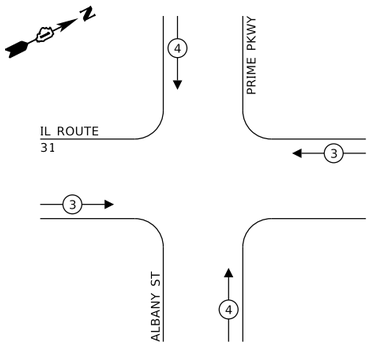
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



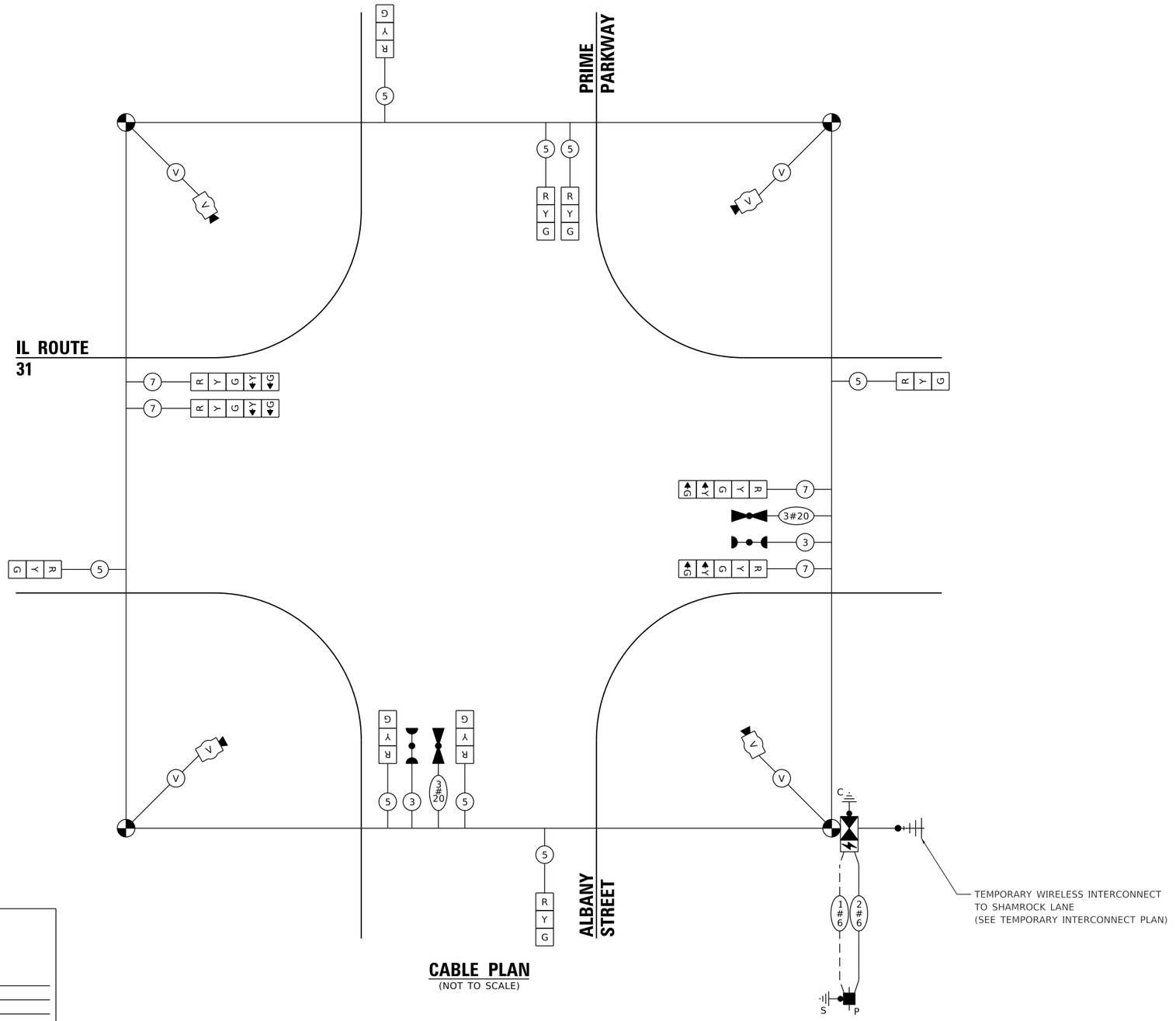
PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			395
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,000

ENERGY COSTS TO:
CITY OF MCHENRY
333 S. GREEN ST
MCHENRY, IL 60050

ENERGY SUPPLY: CONTACT: CASSIE EVANS
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 68835-56000
METER NUMBER: ---



CABLE PLAN
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

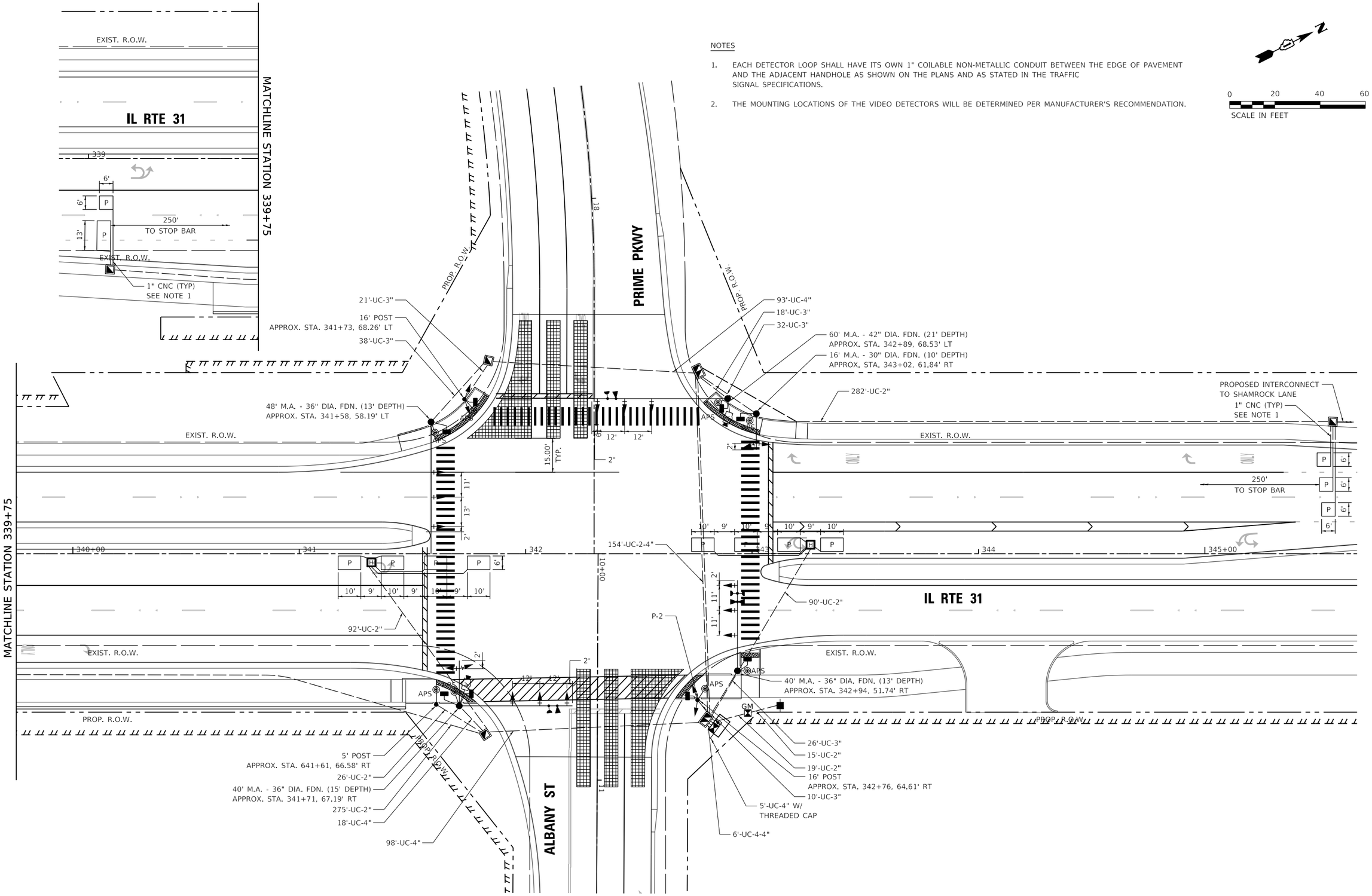
TEMPORARY CABLE PLAN, PHASE DIAGRAM & EVP SEQUENCE
ILLINOIS ROUTE 31 AND PRIME PARKWAY/ALBANY STREET

SCALE: NTS | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	605
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

NOTES

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER MANUFACTURER'S RECOMMENDATION.



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Peralte-Clark LLC
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PLOT SCALE = 40:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

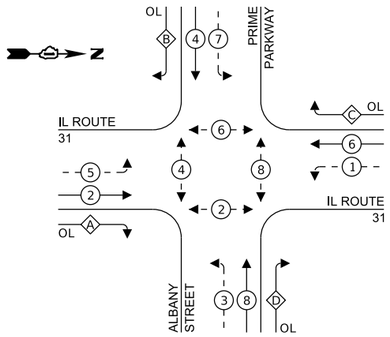
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
ILLINOIS ROUTE 31 AND PRIME PARKWAY/ALBANY STREET

SCALE: 1"=20' | SHEET 5 OF 6 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	606
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PROPOSED CONTROLLER SEQUENCE



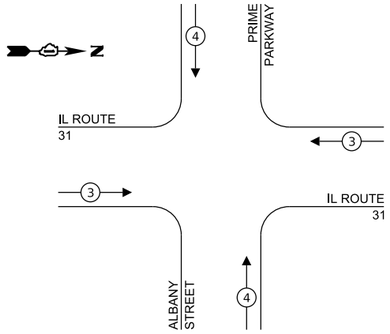
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			425
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,030

ENERGY COSTS TO:
CITY OF MCHENRY
333 S. GREEN ST
MCHENRY, IL 60050

ENERGY SUPPLY:
CONTACT: CASSIE EVANS
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 68835-56000
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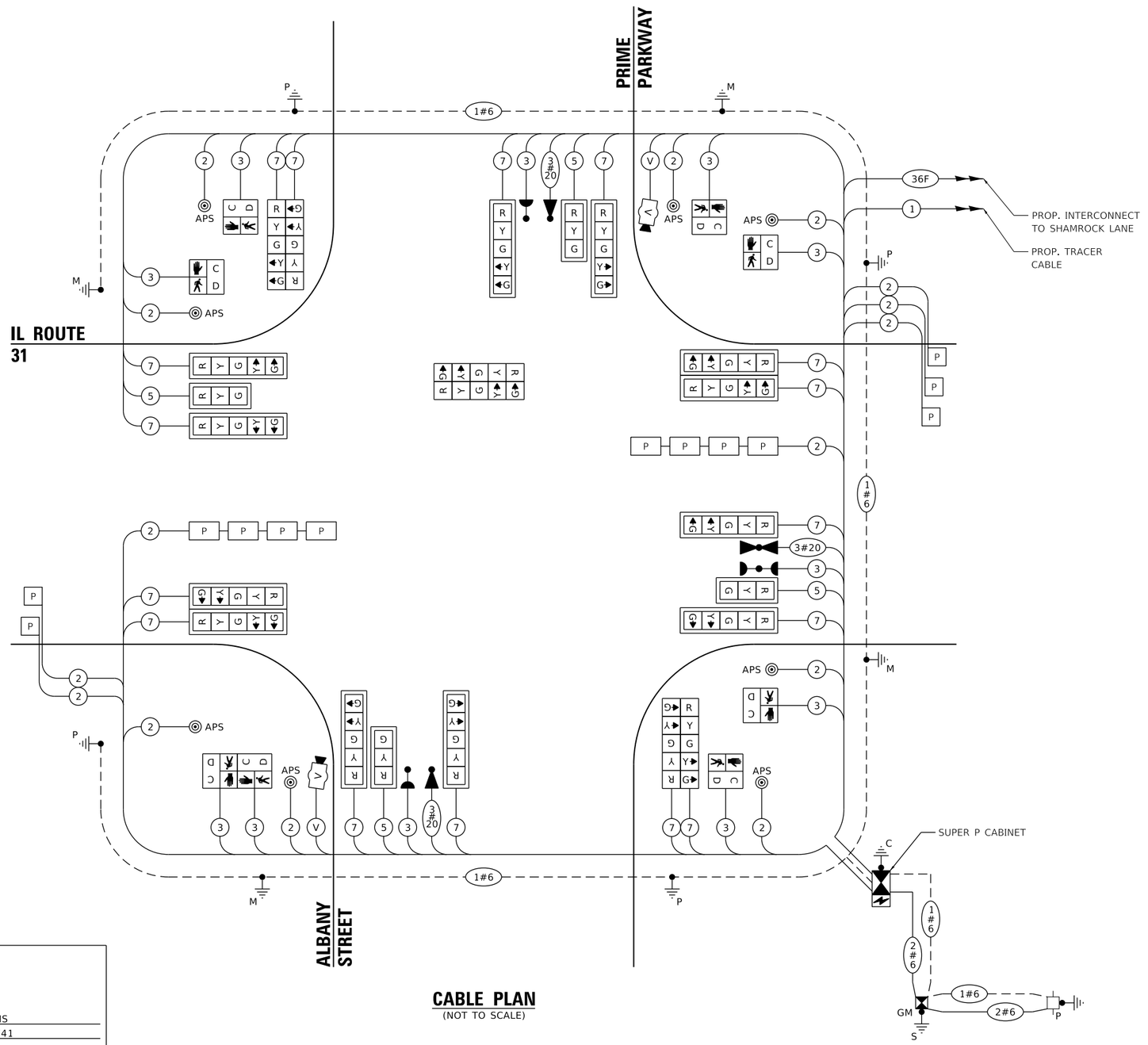

CABLE PLAN
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	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

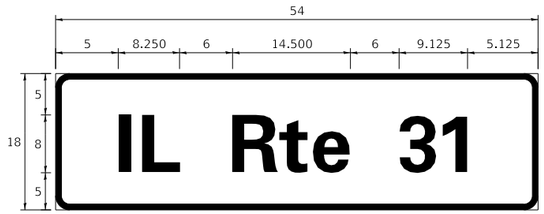
CABLE PLAN, PHASE DIAGRAM, AND EVP SEQUENCE
ILLINOIS ROUTE 31 AT PRIME PARKWAY/ALBANY STREET

SCALE: NTS | SHEET 4 OF 5 SHEETS | STA. | TO STA.

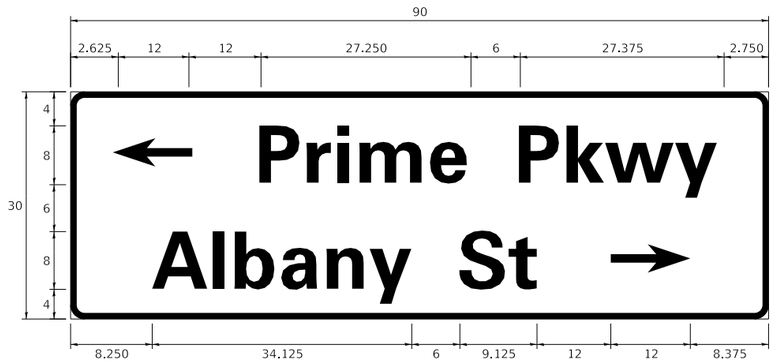
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	607
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2

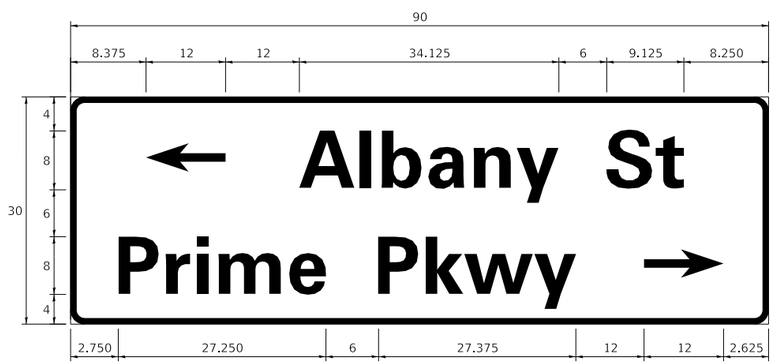
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	6.75	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	18.75	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	18.75	2	ZZ	1

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	SIGN PANEL - TYPE 1	SQ FT	13.5
	SIGN PANEL - TYPE 2	SQ FT	37.5
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	765
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	145
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	523
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2241
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2775
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	752
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	4342
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	577
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	117
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	255
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
	STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT. AND 20 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	12
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	41
	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	12
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	16
	INDUCTIVE LOOP DETECTOR	EACH	6
	DETECTOR LOOP, TYPE I	FOOT	1338
*	LIGHT DETECTOR	EACH	3
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	8
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	773
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

*100% COST TO THE CITY OF MCHENRY

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

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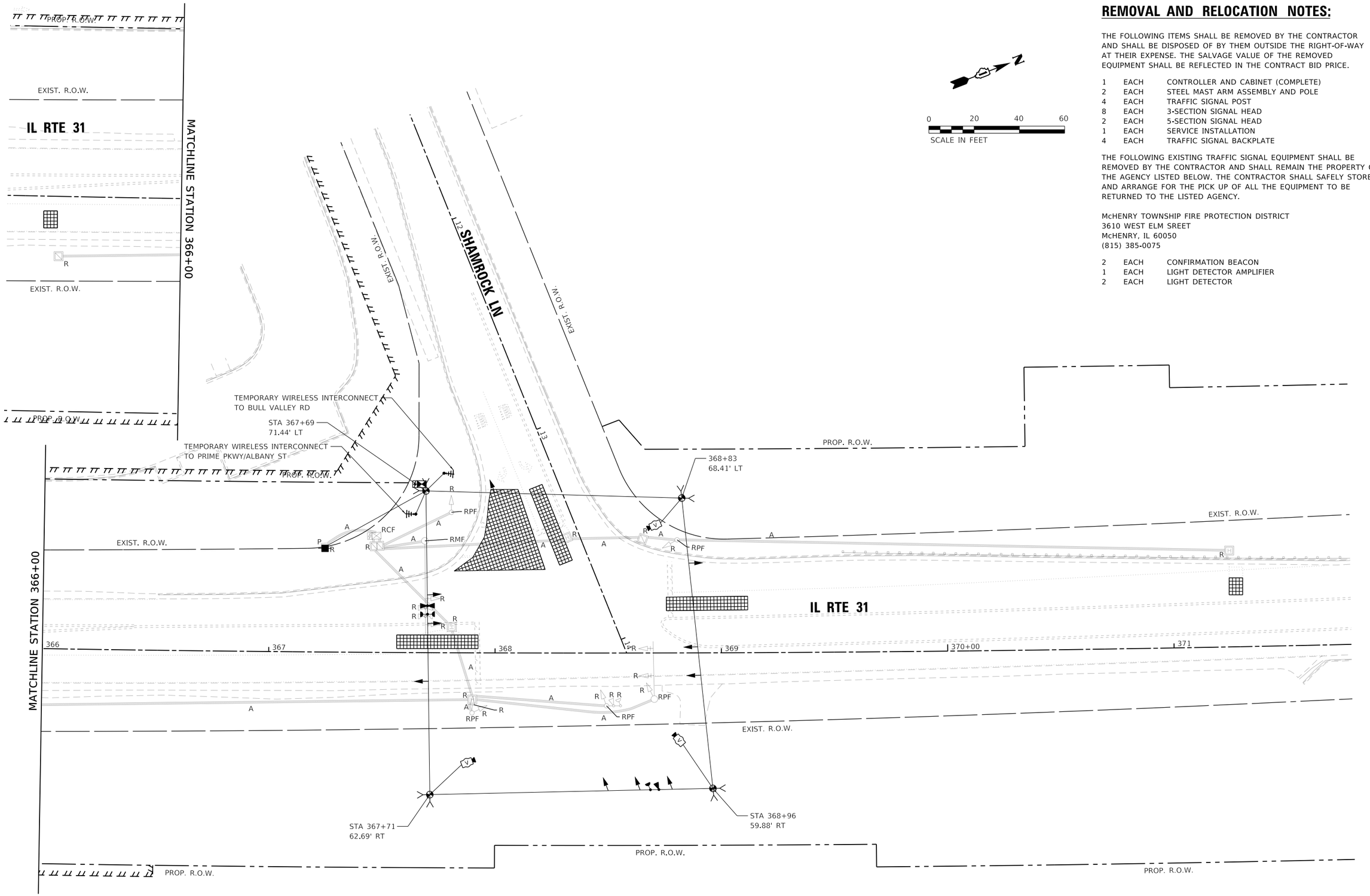
	DRAWN -		REVISED -
PLOT SCALE = 40:1	CHECKED -		REVISED -
PLOT DATE = 03-OCT-2024	DATE -	04/30/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SOQ
ILLINOIS ROUTE 31 AND PRIME PARKWAY/ALBANY STREET

SCALE: NTS | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	608
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE
4	EACH	TRAFFIC SIGNAL POST
8	EACH	3-SECTION SIGNAL HEAD
2	EACH	5-SECTION SIGNAL HEAD
1	EACH	SERVICE INSTALLATION
4	EACH	TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

McHENRY TOWNSHIP FIRE PROTECTION DISTRICT
3610 WEST ELM SREET
McHENRY, IL 60050
(815) 385-0075

2	EACH	CONFIRMATION BEACON
1	EACH	LIGHT DETECTOR AMPLIFIER
2	EACH	LIGHT DETECTOR

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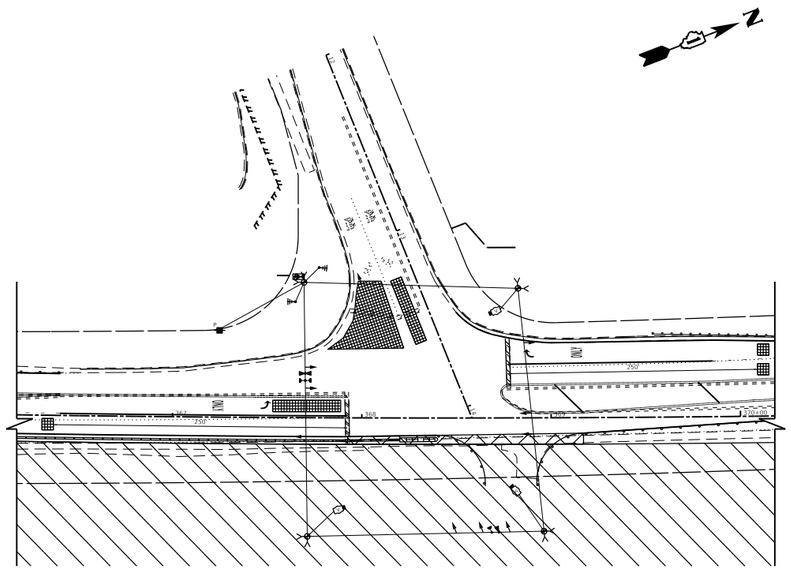
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

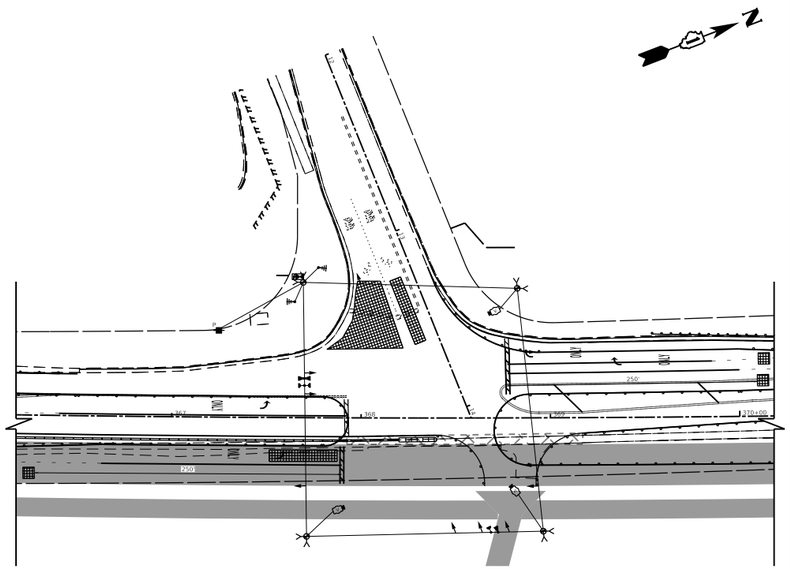
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
ILLINOIS ROUTE 31 AND SHAMROCK LANE

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. TO STA.

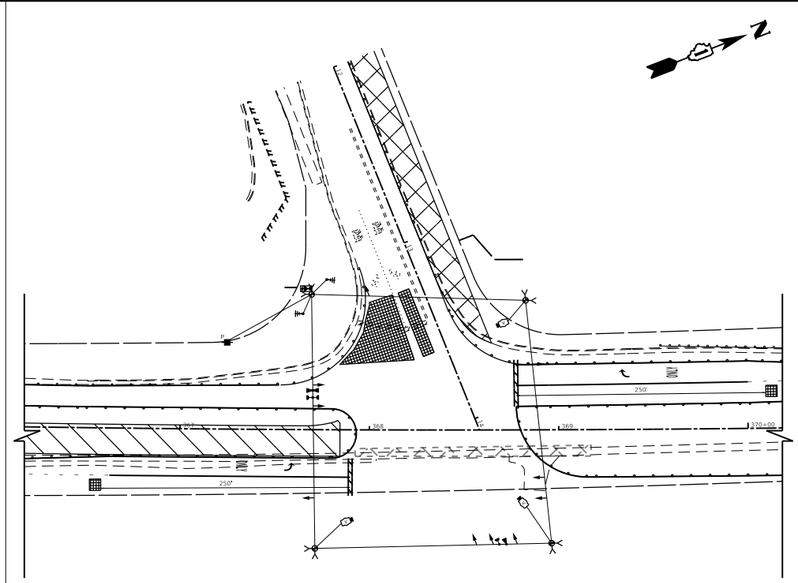
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	609
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



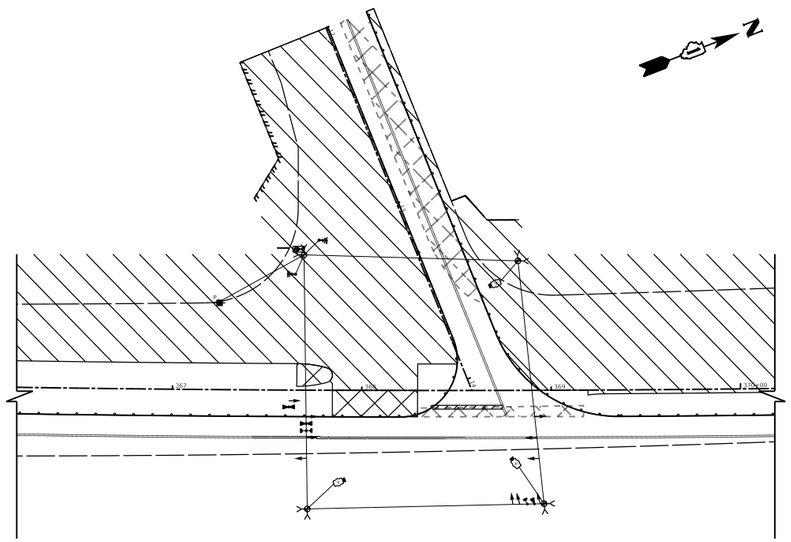
TEMPORARY TRAFFIC SIGNAL STAGE 1



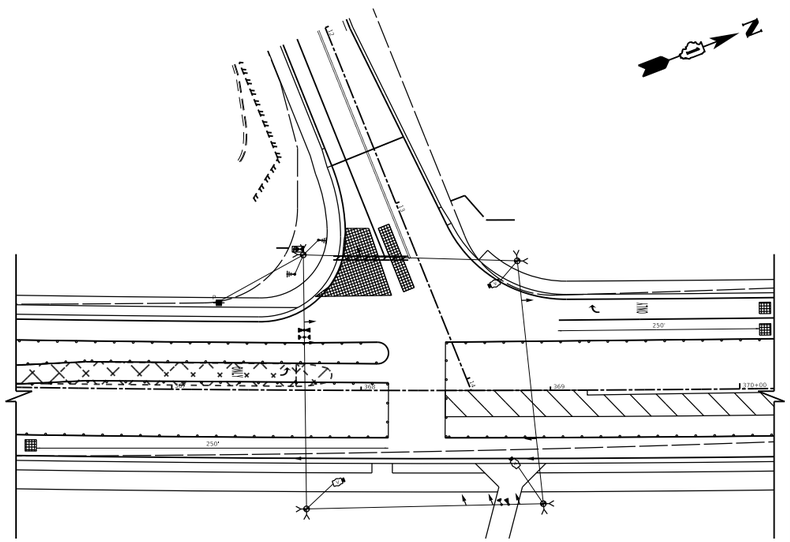
TEMPORARY TRAFFIC SIGNAL STAGE 1A



TEMPORARY TRAFFIC SIGNAL STAGE 1B



TEMPORARY TRAFFIC SIGNAL STAGE 2



TEMPORARY TRAFFIC SIGNAL STAGE 3

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PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -

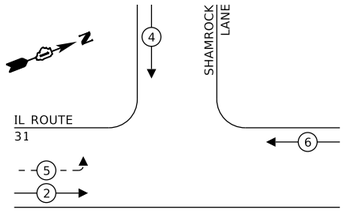
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
ILLINOIS ROUTE 31 AND SHAMROCK LANE

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	610
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

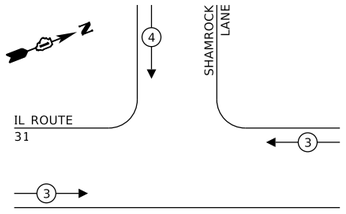
TEMPORARY CONTROLLER SEQUENCE



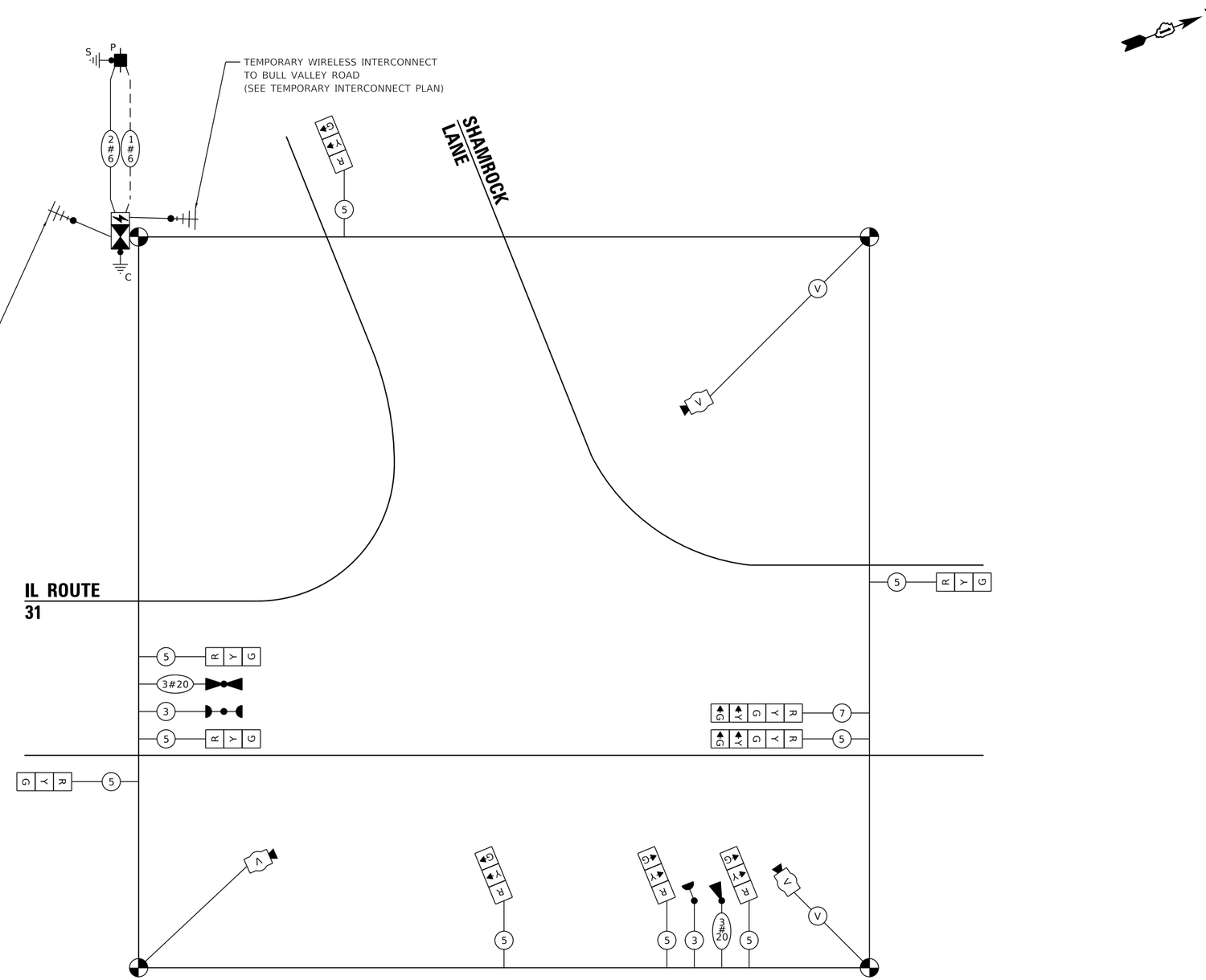
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			395
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,000

ENERGY COSTS TO:
CITY OF MCHENRY
333 S. GREEN ST
MCHENRY, IL 60050

ENERGY SUPPLY:
CONTACT: CASSIE EVANS
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 68835-56000
METER NUMBER: ---

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DIAGRAM & EVP SEQUENCE
ILLINOIS ROUTE 31 AND SHAMROCK LANE

SCALE: NTS | SHEET 2 OF 2 SHEETS | STA. TO STA.

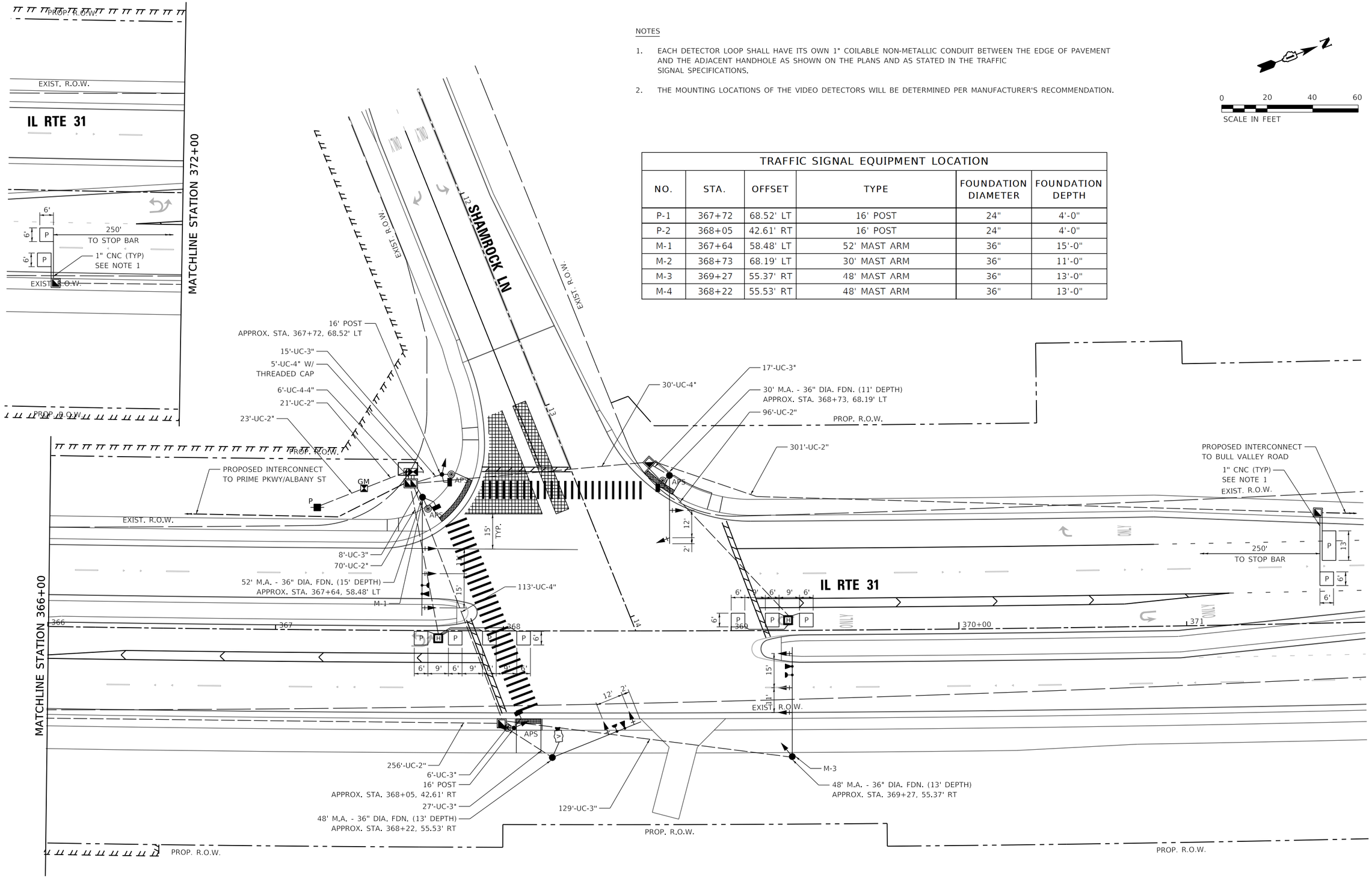
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	611
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

NOTES

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER MANUFACTURER'S RECOMMENDATION.

0 20 40 60
SCALE IN FEET

TRAFFIC SIGNAL EQUIPMENT LOCATION					
NO.	STA.	OFFSET	TYPE	FOUNDATION DIAMETER	FOUNDATION DEPTH
P-1	367+72	68.52' LT	16' POST	24"	4'-0"
P-2	368+05	42.61' RT	16' POST	24"	4'-0"
M-1	367+64	58.48' LT	52' MAST ARM	36"	15'-0"
M-2	368+73	68.19' LT	30' MAST ARM	36"	11'-0"
M-3	369+27	55.37' RT	48' MAST ARM	36"	13'-0"
M-4	368+22	55.53' RT	48' MAST ARM	36"	13'-0"



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PLOT SCALE = 40:1		CHECKED -		REVISED -	
PLOT DATE = 03-OCT-2024		DATE - 04/30/2024		REVISED -	

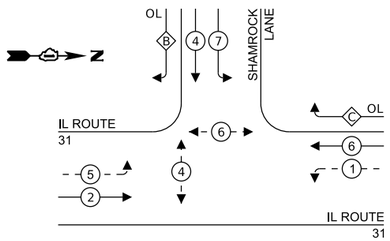
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
ILLINOIS ROUTE 31 AND SHAMROCK LANE

SCALE: 1"=20' | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	612
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PROPOSED CONTROLLER SEQUENCE



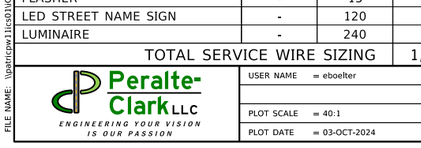
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP (OL)

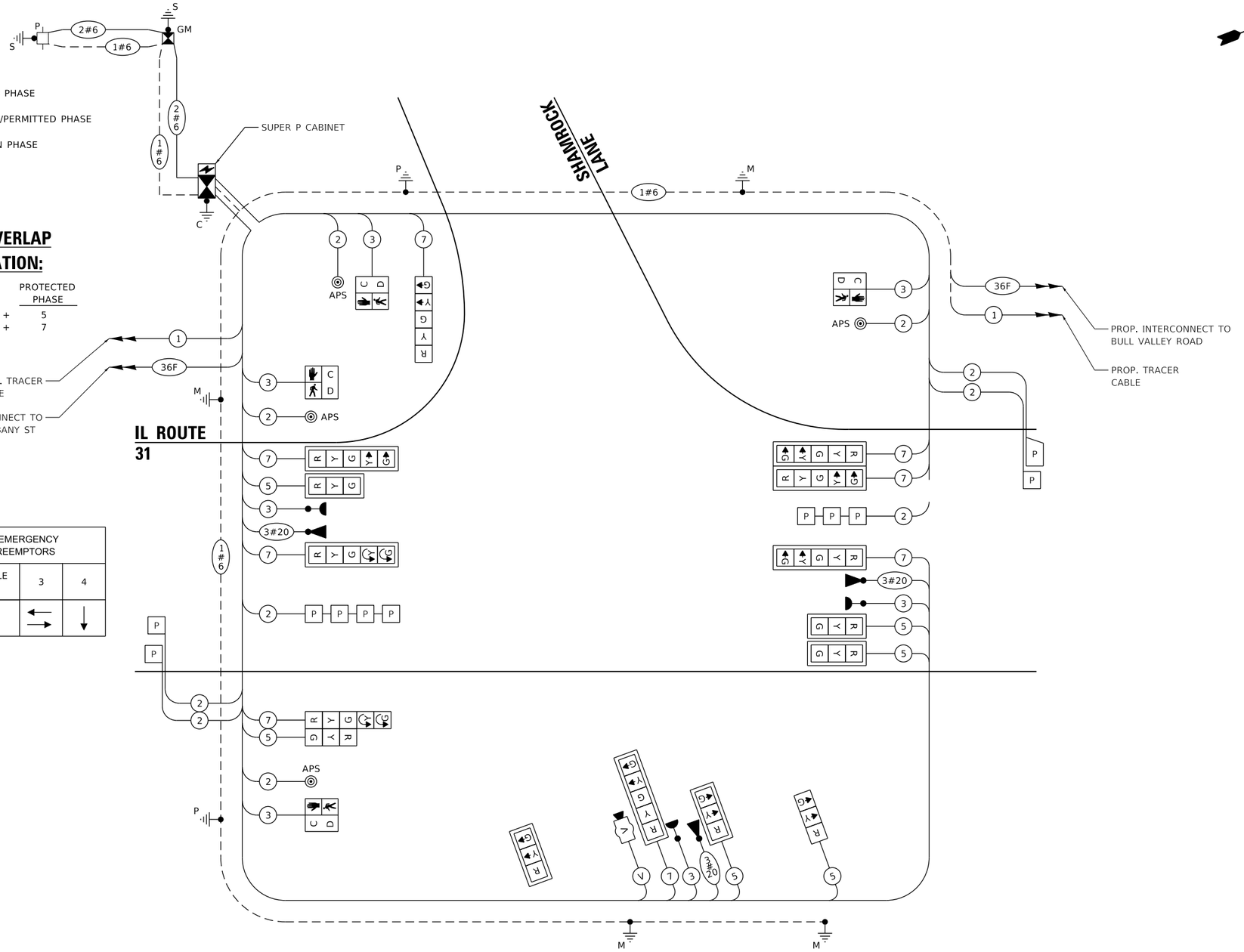
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			425
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,030

ENERGY COSTS TO:
CITY OF MCHENRY
333 S. GREEN ST
MCHENRY, IL 60050

ENERGY SUPPLY: CONTACT: CASSIE EVANS
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 68835-56000
METER NUMBER: ---

CABLE PLAN
(NOT TO SCALE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

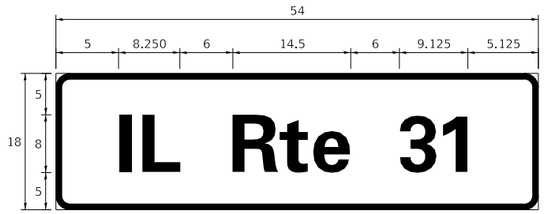
CABLE PLAN, PHASE DIAGRAM, AND EVP SEQUENCE
ILLINOIS ROUTE 31 AND SHAMROCK LANE

SCALE: NTS | SHEET 5 OF 5 SHEETS | STA. | TO STA.

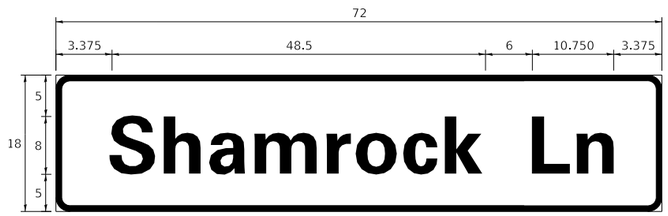
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	613
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	6.75	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	SIGN PANEL - TYPE 1	SQ FT	25
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	746
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	202
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	149
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	207
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	892
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1272
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1072
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	650
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	68
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	401
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2
	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	12
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
	INDUCTIVE LOOP DETECTOR	EACH	6
	DETECTOR LOOP, TYPE I	FOOT	617
*	LIGHT DETECTOR	EACH	3
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	6
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	679
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE CITY OF MCHENRY

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PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SOQ
ILLINOIS ROUTE 31 AND SHAMROCK LANE

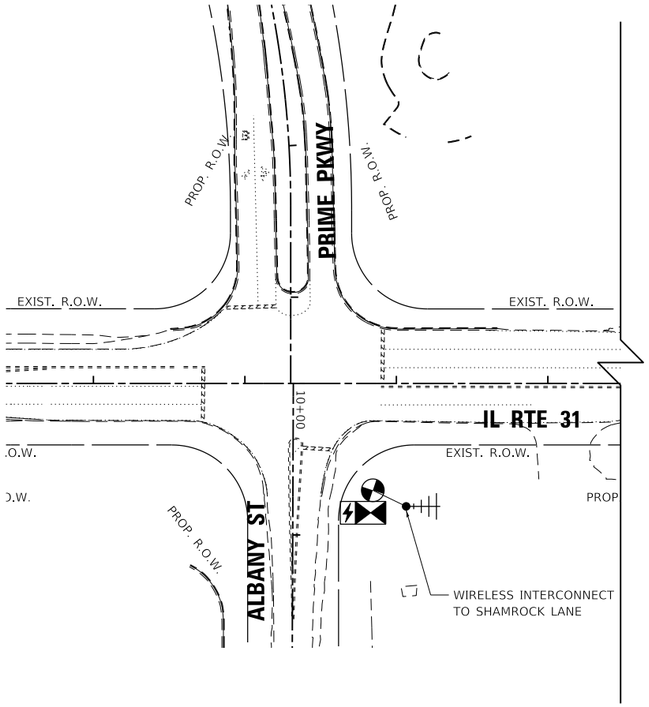
SCALE: NTS | SHEET 5 OF 5 SHEETS | STA. | TO STA.

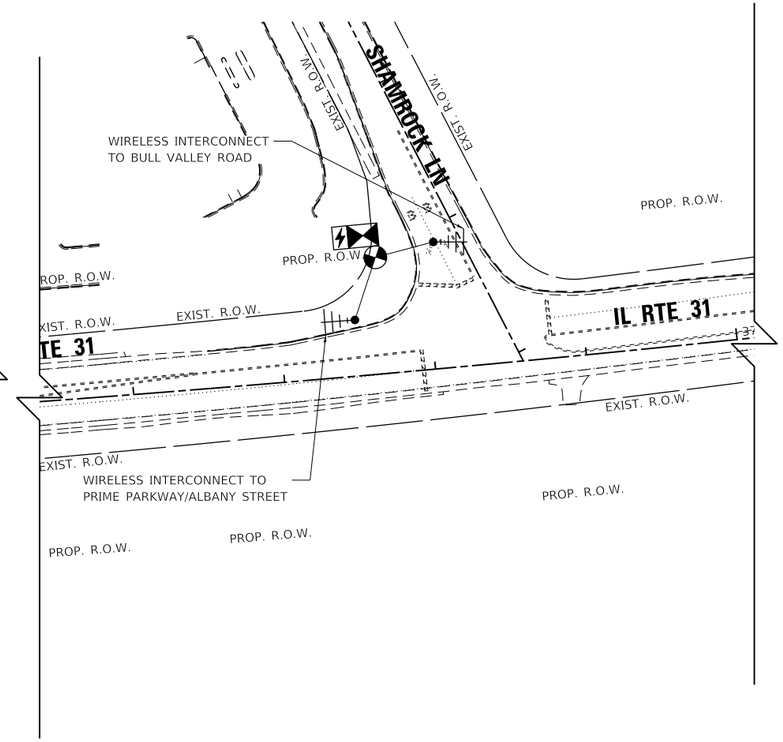
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	614
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

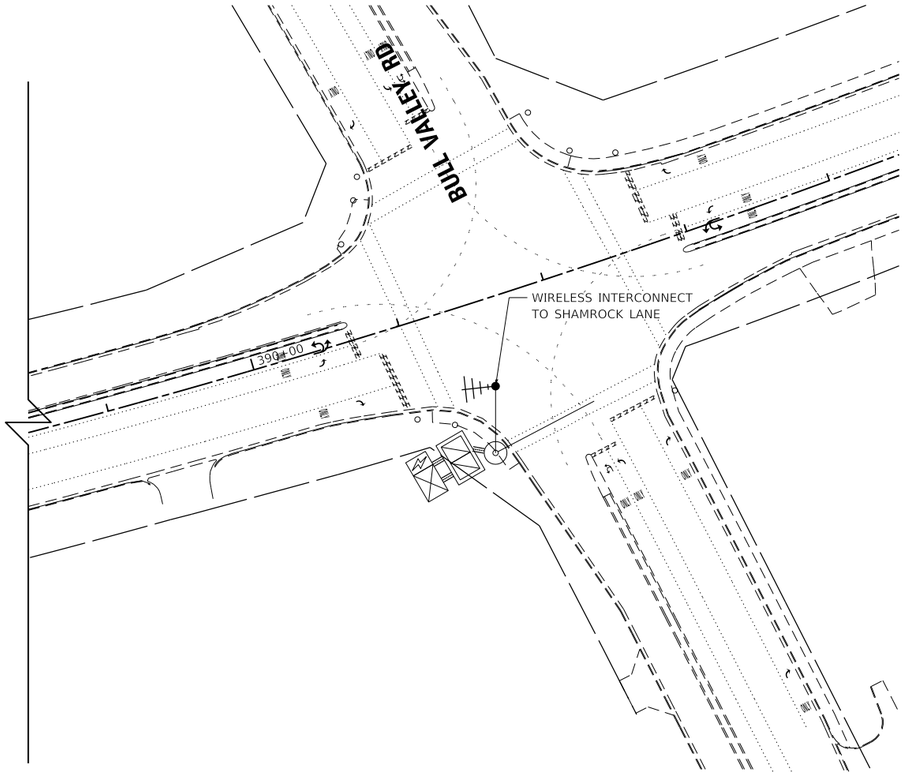
N

0 50 100 150

SCALE IN FEET







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Peralte-Clark LLC
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USER NAME = eboelter	DESIGNED - BT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT PLAN ILLINOIS ROUTE 31 – PRIME PARKWAY TO BULL VALLEY RD
	DRAWN - AP	REVISED -		
PLOT SCALE = 100:1	CHECKED -	REVISED -		SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	615
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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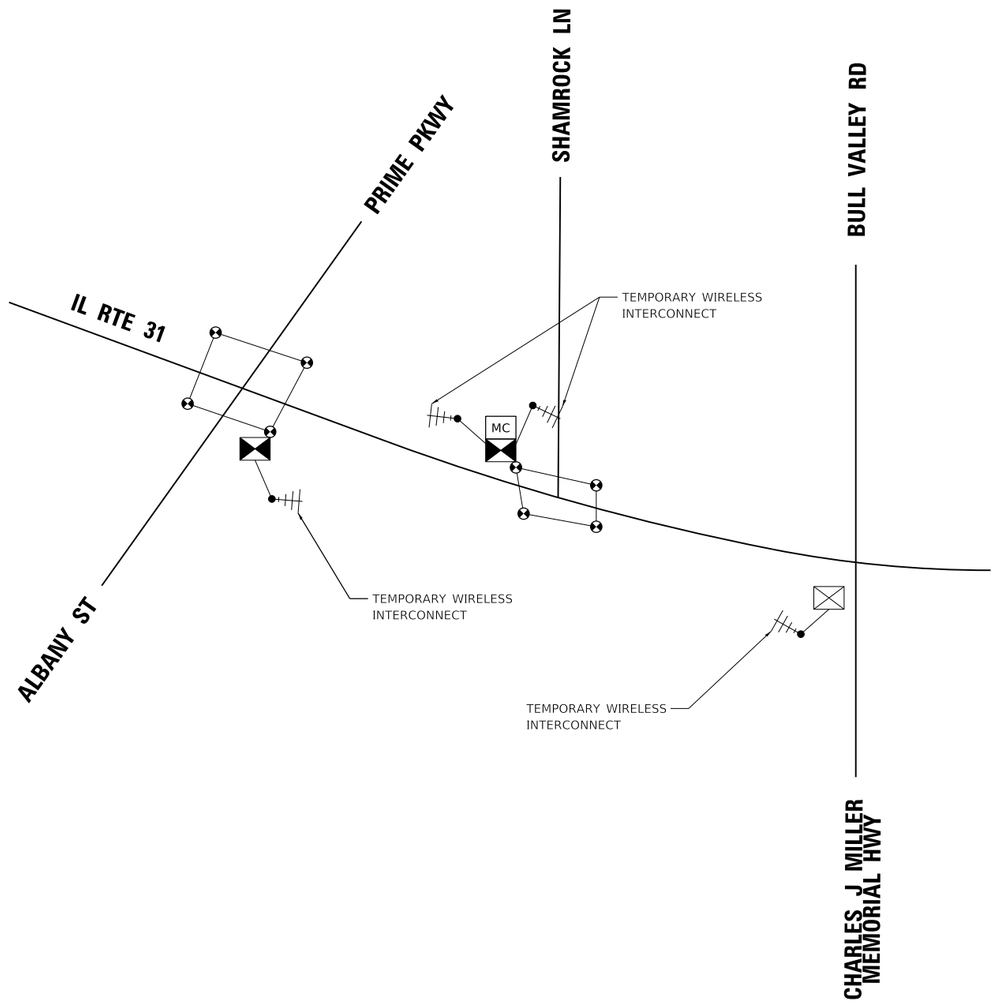

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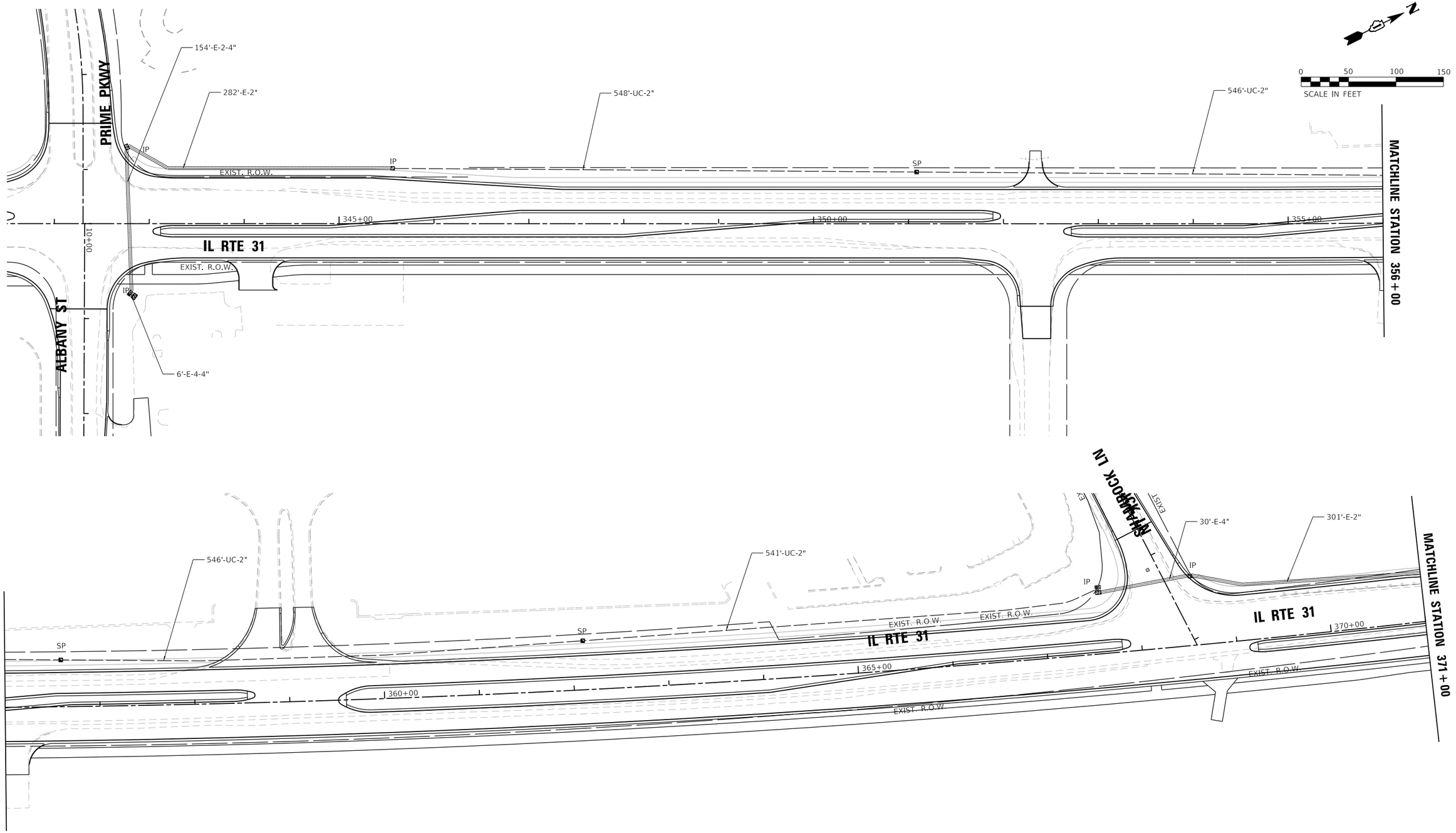
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC DIAGRAM
ILLINOIS ROUTE 31 – PRIME PARKWAY TO BULL VALLEY ROAD

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	616
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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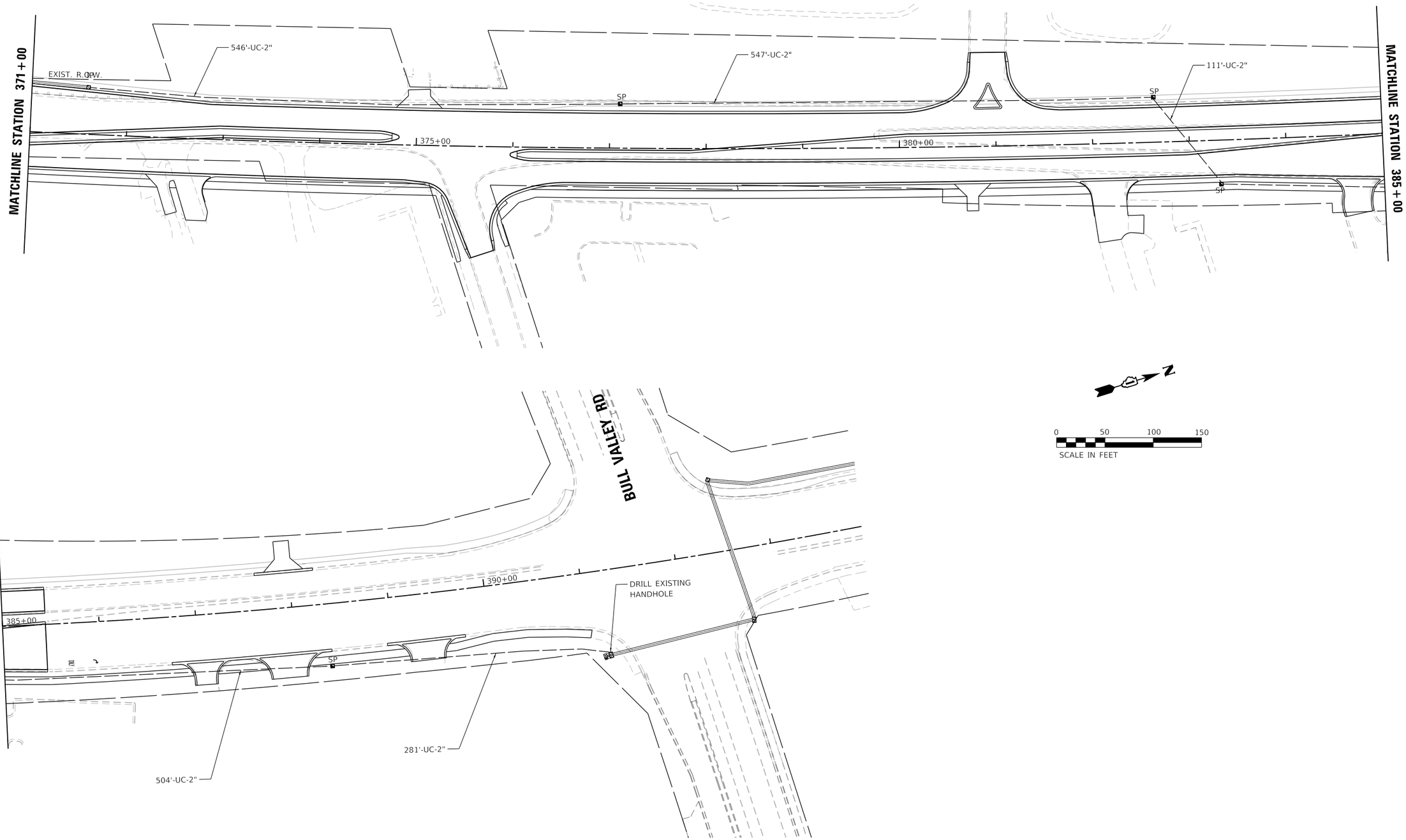
Peralte-Clark LLC ENGINEERING YOUR VISION IS OUR PASSION	USER NAME = eboelter	DESIGNED - BT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN ILLINOIS ROUTE 31 – PRIME PARKWAY TO BULL VALLEY ROAD	F.A.P RTE. 336A	SECTION 2019-196-W&R	COUNTY McHENRY	TOTAL SHEETS 835 / SHEET NO. 617
		DRAWN - AP	REVISED -					CONTRACT NO. 62K69	
	PLOT SCALE = 100:1	CHECKED -	REVISED -						
	PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -		SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	



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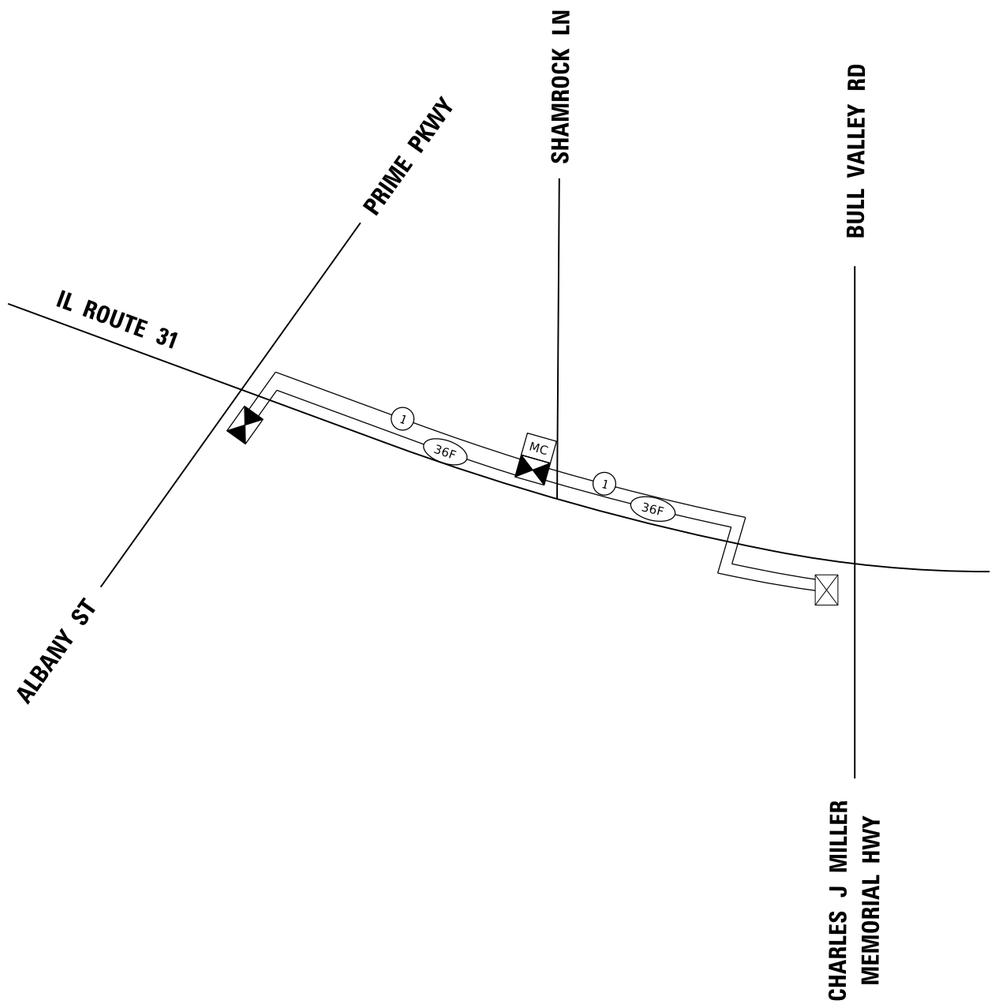
	DRAWN - AP	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
ILLINOIS ROUTE 31 – PRIME PARKWAY TO BULL VALLEY ROAD

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	618
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



SCHEDULE OF QUANTITIES

FOR INTERCONENCT SYSTEM FROM PRIME PARKWAY/ALBANY STREET TO BULL VALLEY ROAD

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4212
HANDHOLE	EACH	7
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MASTER CONTROLLER	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5122
DRILL EXISTING HANDHOLE	EACH	1
CELLULAR MODEM	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	5122

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Peralte-Clark LLC
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	DRAWN - AP	REVISED -	
PLOT SCALE = 100:1	CHECKED -	REVISED -	
PLOT DATE = 03-OCT-2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC AND SOQ
ILLINOIS ROUTE 31 – PRIME PARKWAY TO BULL VALLEY ROAD

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	619
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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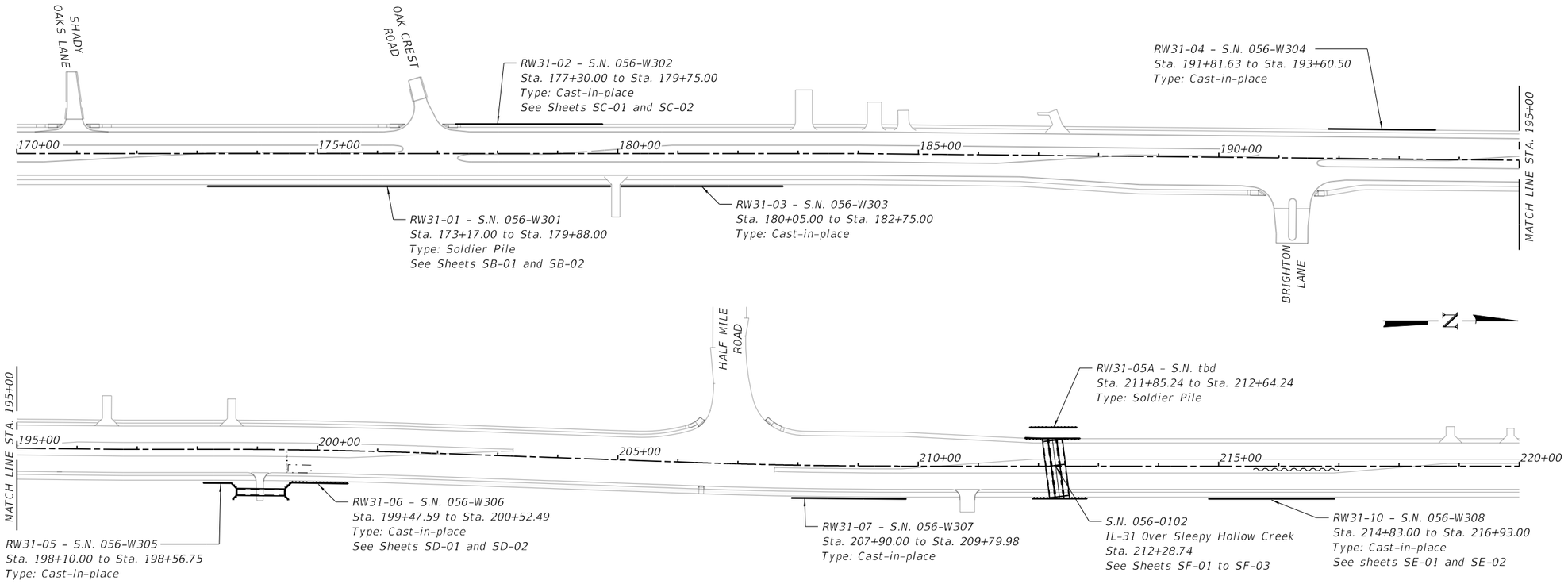


DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

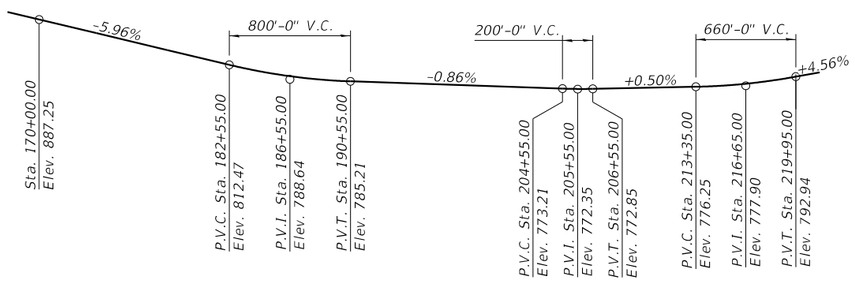
FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)
f_y = 50,000 psi (M270 Grade 50 HP Piles)

KEY PLAN

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.

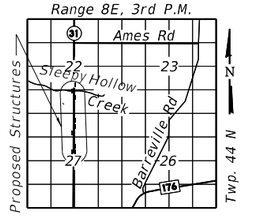


PROFILE GRADE – IL ROUTE 31

Along LT and RT PG's.

INDEX OF SHEETS

SA-01	Key Plan, General Notes And Data
SA-02	Typical Sections and Details – Minor Walls
SA-03	RW31-03 – General Plan & Elevation
SA-04	RW31-03 – Detailed Plan And Elevation 1
SA-05	RW31-03 – Detailed Plan And Elevation 2
SA-06	RW31-04 – General Plan & Elevation
SA-07	RW31-04 – Detailed Plan And Elevation
SA-08	RW31-04 – Bar Bends And Bill Of Materials
SA-09	RW31-05 – General Plan & Elevation
SA-10	RW31-05 – Detailed Plan And Elevation
SA-10A	RW31-05 – Box Culvert Wingwall Elevations
SA-10B	RW31-05 – Box Culvert End Section Details
SA-10C	RW31-05 – Box Culvert End Section Details
SA-11	RW31-05A – Plan And Elevation
SA-12	RW31-05A – Bar Bends And Bill Of Materials
SA-13	RW31-07 – General Plan & Elevation
SA-14	RW31-07 – Detailed Plan And Elevation
SA-15	RW31-07 – Bar Bends And Bill Of Materials
SA-16	Aluminum Railing, Type L
SA-17	Parapet Railing
SA-18	Soil Boring Logs 1
SA-19	Soil Boring Logs 2
SA-20	Soil Boring Logs 3
SA-21	Soil Boring Logs 4
SA-22	Soil Boring Logs 5
SA-23	Soil Boring Logs 6
SA-24	Soil Boring Logs 7
SA-25	Soil Boring Logs 8
SA-26	Soil Boring Logs 9
SA-27	Soil Boring Logs 10
SA-28	Soil Boring Logs 11



LOCATION SKETCH

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	KEY PLAN, GENERAL NOTES AND DATA ILLINOIS ROUTE 31	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 200.00 ' / in.	DRAWN - RMH	REVISED -		SHEET SA-01 OF SA-28 SHEETS	
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	620
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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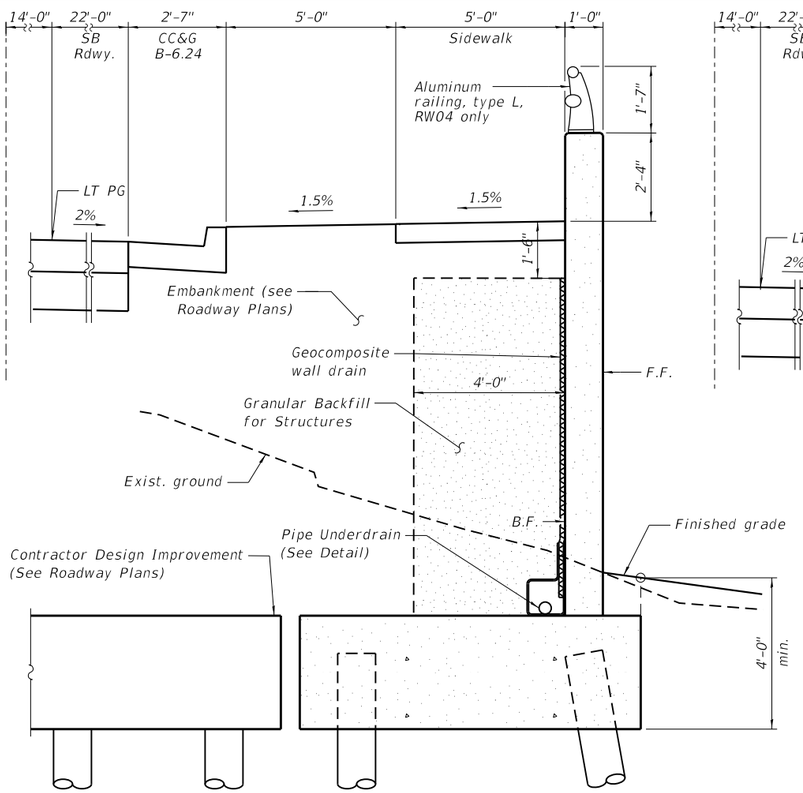
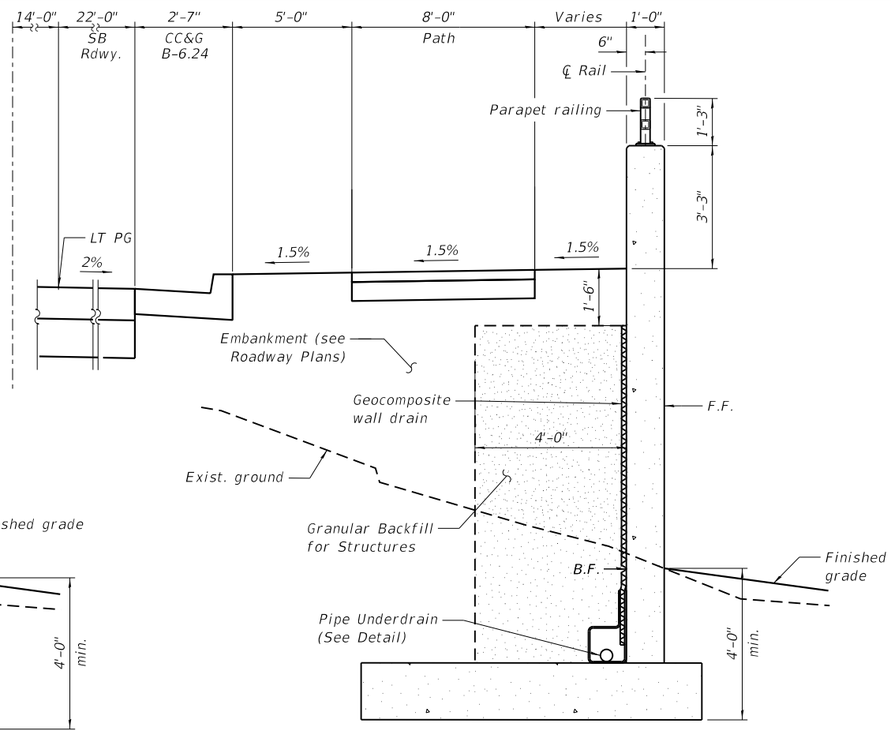
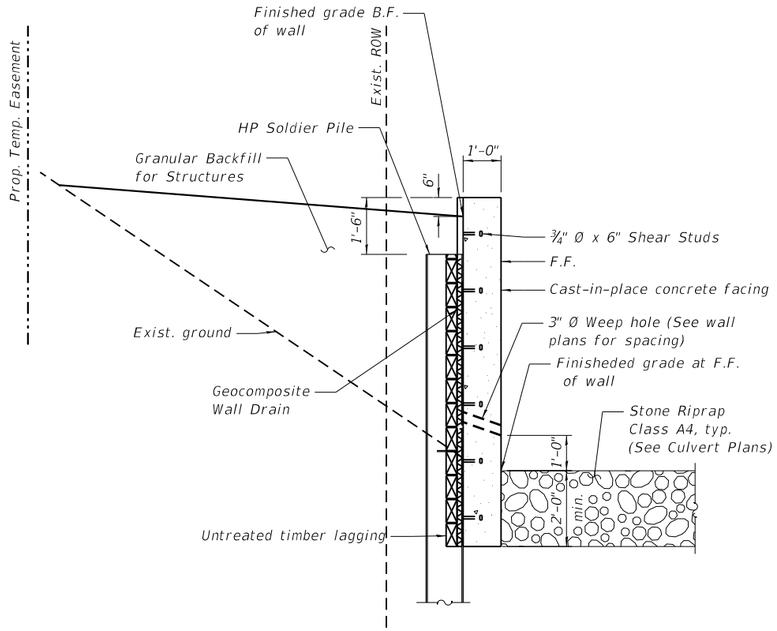


TYPICAL SECTION THRU WALL RW31-04

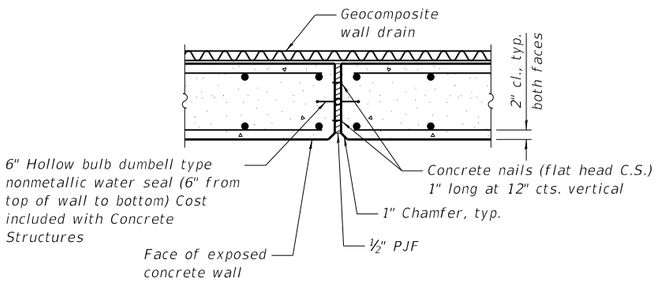


TYPICAL SECTION THRU WALLS RW31-03, RW31-05 AND RW31-07

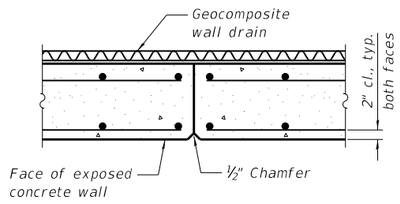
Note: Walls RW31-03 and RW31-05 shown. RW31-07 similar except no toe.



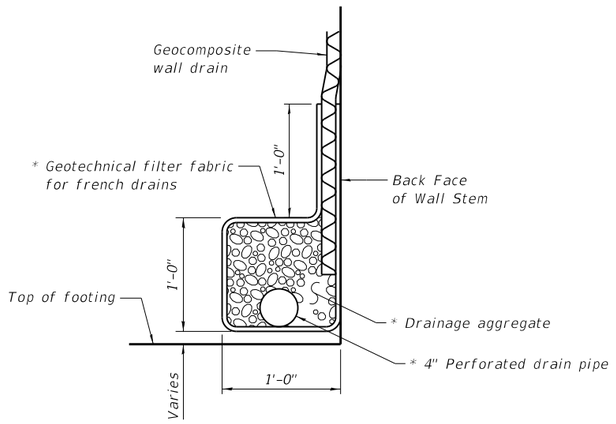
TYPICAL SECTION THRU RW31-5A



EXPANSION JOINT DETAIL



CONSTRUCTION JOINT



PIPE UNDERDRAIN DETAIL

* Included in the cost of "Pipe Underdrains for Structures, 4".

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS AND DETAILS ILLINOIS ROUTE 31	F.A.P. RTE. 336A | SECTION 2019-196-W&R | COUNTY McHENRY | TOTAL SHEETS 835 | SHEET NO. 621
	CHECKED - AMK	REVISED -			CONTRACT NO. 62K69
PLOT SCALE = 4:0 ':" / in.	DRAWN - RMH	REVISED -		SHEET SA-02 OF SA-26 SHEETS	ILLINOIS | FED. AID PROJECT
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -			

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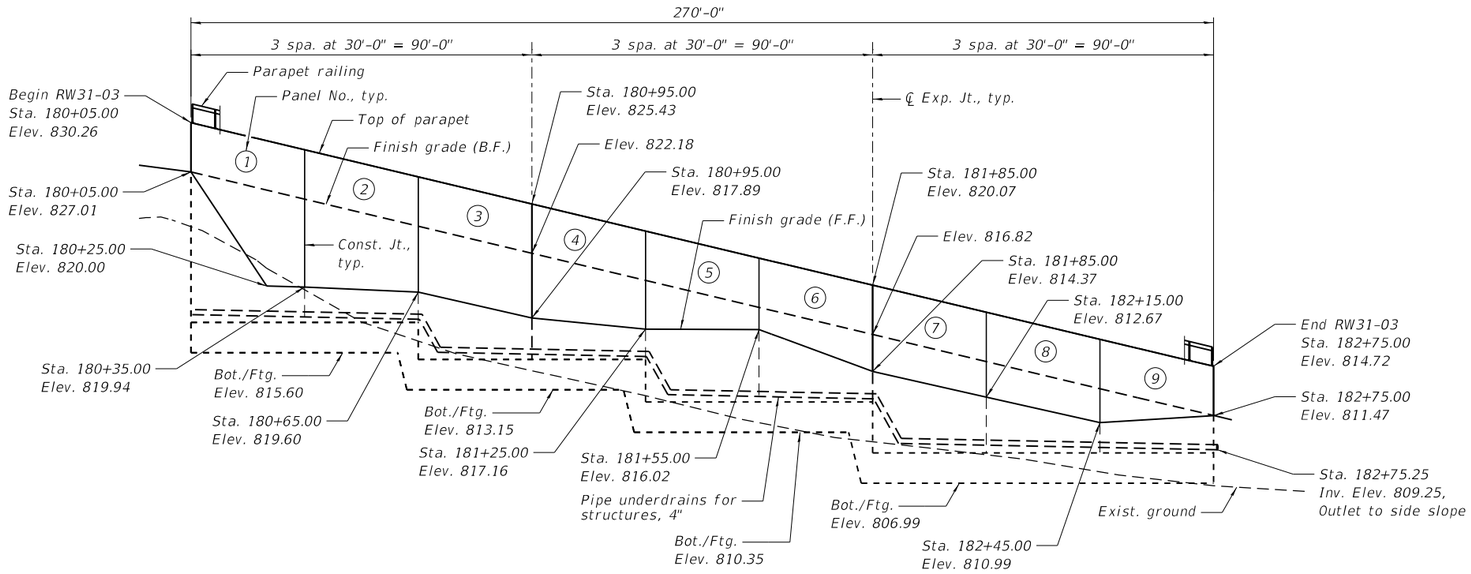
Benchmark: C.P. #340 – #5 rebar in grass parkway. Sta. 177+18, Offset 15' Lt., Elev. 842.83

Existing Structure: None

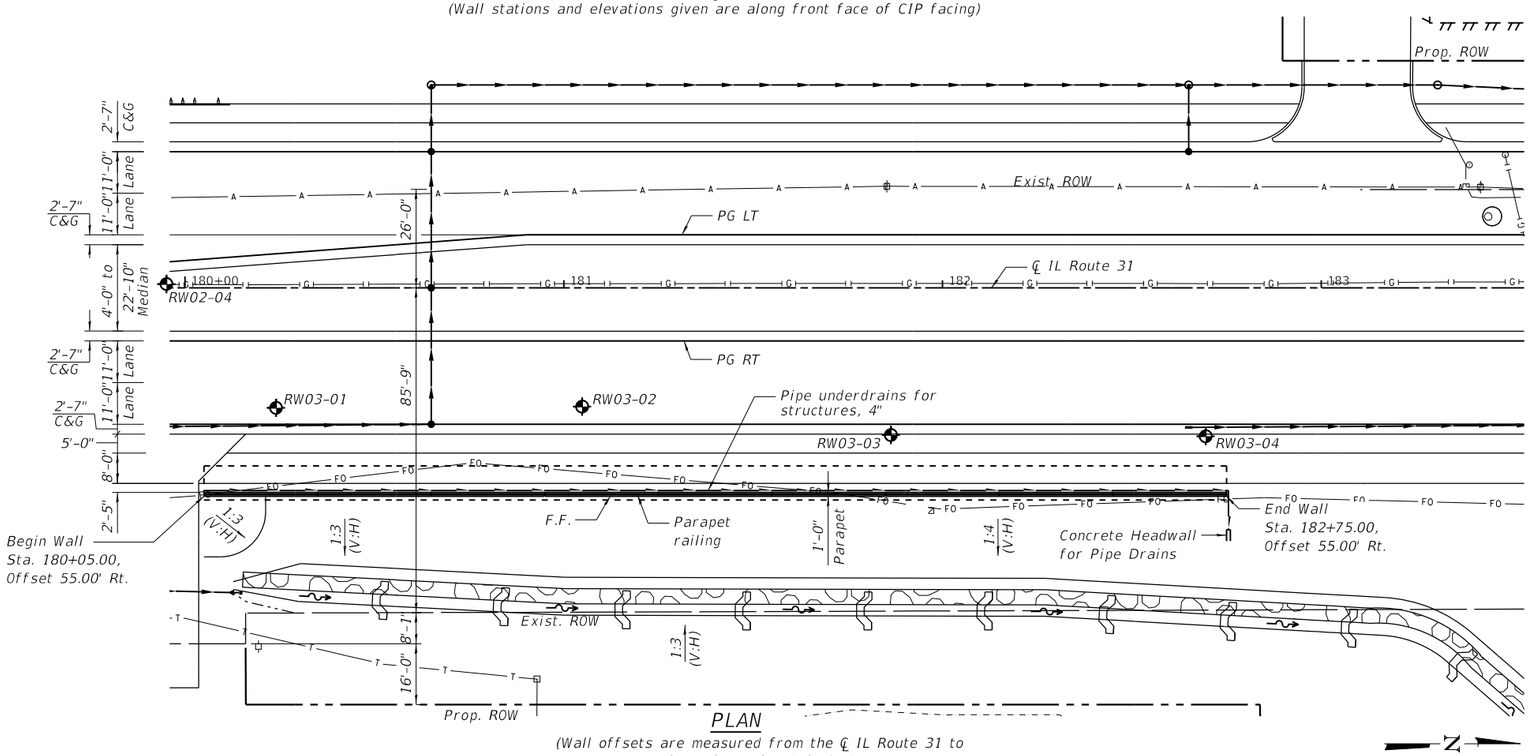
One lane of traffic in each direction to be maintained using staged construction. Wall to be constructed in Stage 2.



ELEVATION

(Looking West)

(Wall stations and elevations given are along front face of CIP facing)



PLAN

(Wall offsets are measured from the ℄ IL Route 31 to front face of CIP facing)

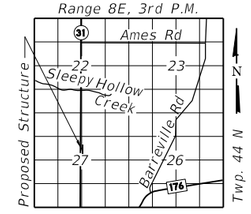
STA. 180+05.00 TO STA. 182+75.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 336A – SEC. 2019-196-W&R
HL-93 LOADING
STR. NO. 056-W303

NAME PLATE

See Std. 515001

LEGEND

	Soil Boring
	Prop. Storm Sewer
C&G	Curb & Gutter, Type B-6.24
G	Exist. Underground Gas
T	Exist. Underground Telephone
E	Exist. Underground Electric
A	Exist. Aerial Line
FO	Exist. Fiber Optic
	Exist. Sanitary Sewer
B.F.	Back Face
F.F.	Front Face



LOCATION SKETCH

GENERAL PLAN & ELEVATION
RETAINING WALL RW31-03 – IL ROUTE 31
F.A.P. 336A – SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 180+05.00 TO STA. 182+75.00
STRUCTURE NO. 056-W303

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
	CHECKED - AMK	REVISED -			
PLOT SCALE = 40.0000 ' / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -			

SHEET SA-03 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	622
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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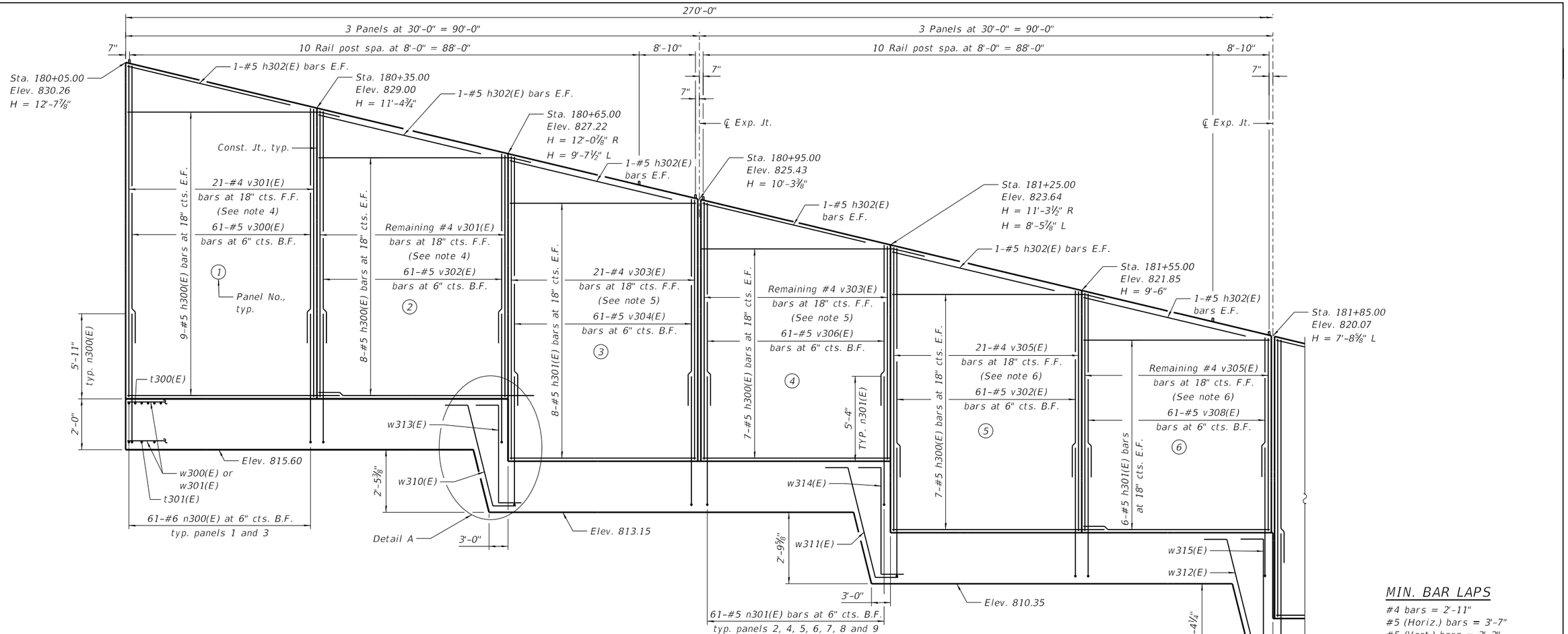
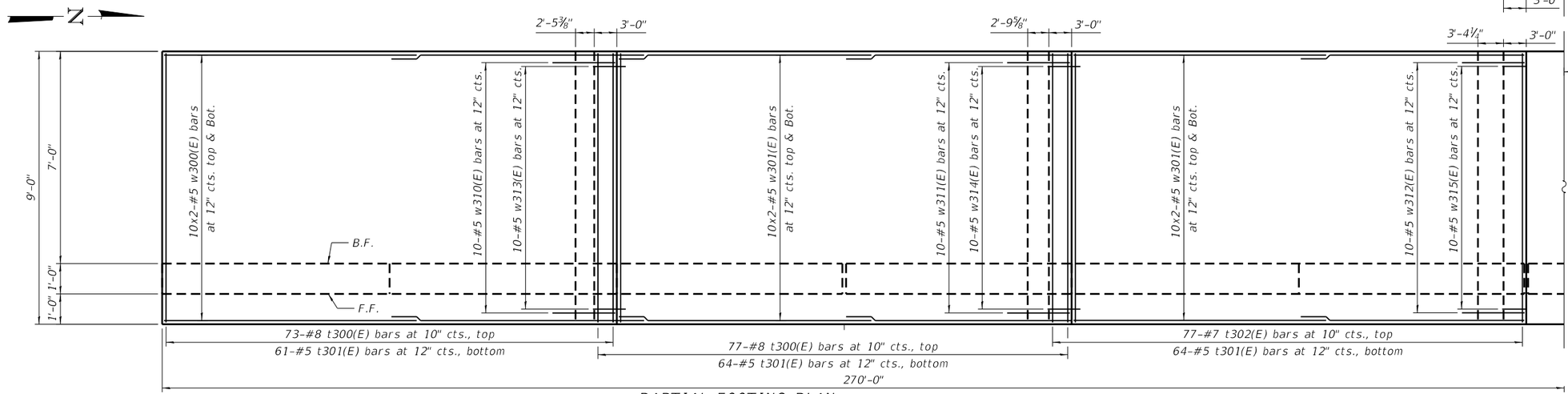


PARTIAL WALL ELEVATION



PARTIAL FOOTING PLAN

MIN. BAR LAPS

#4 bars = 2'-11"
#5 (Horiz.) bars = 3'-7"
#5 (Vert.) bars = 3'-2"
#6 bars = 3'-10"

For continuations
See sheet SA-05 of SA-28.

Notes:

1. Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.
2. See sheet SA-17 of SA-28 for Parapet Railing details.
3. See sheet SA-05 of SA-28, Detail A for reinforcement at footing steps.
4. Order v301(E) bars full length. Cut to fit in Panel 1 and use remainder of bars in Panel 2.
5. Order v303(E) bars full length. Cut to fit in Panel 3 and use remainder of bars in Panel 4.
6. Order v305(E) bars full length. Cut to fit in Panel 5 and use remainder of bars in Panel 6.

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RW31-03 – DETAILED PLAN AND ELEVATION 1 STRUCTURE NO. 056-W303
	CHECKED - AMK	REVISED -		
PLOT SCALE = 16.0000 ' / in.	DRAWN - RMH	REVISED -		SHEET SA-04 OF SA-28 SHEETS
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	623
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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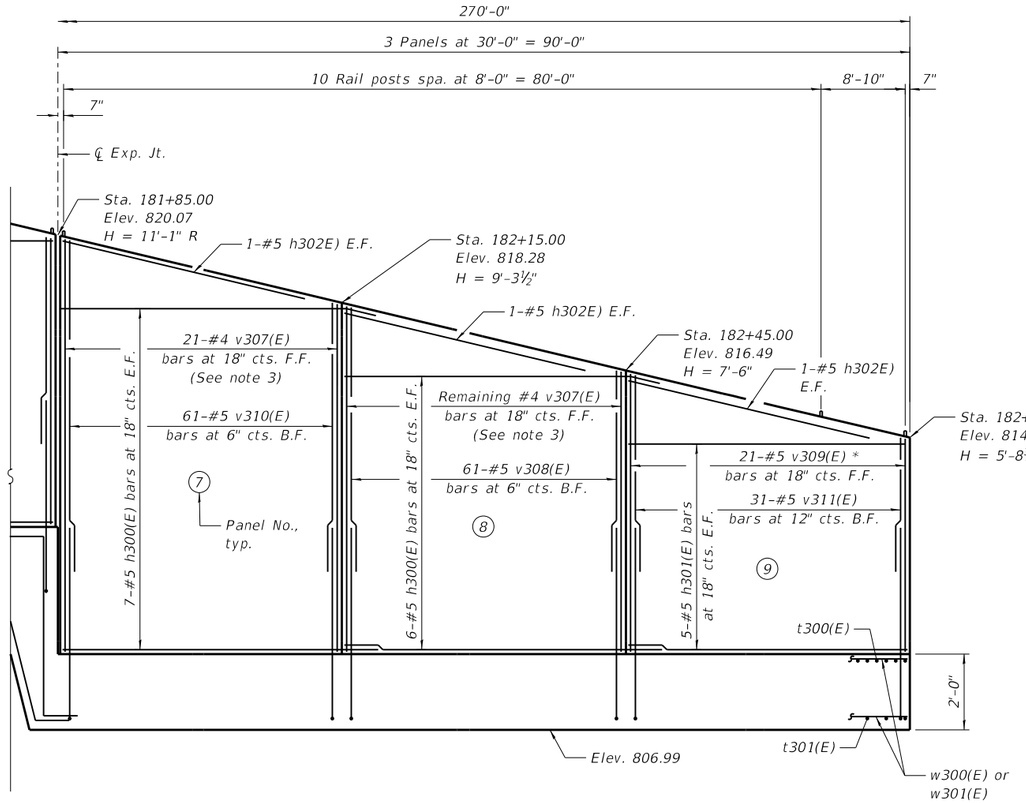
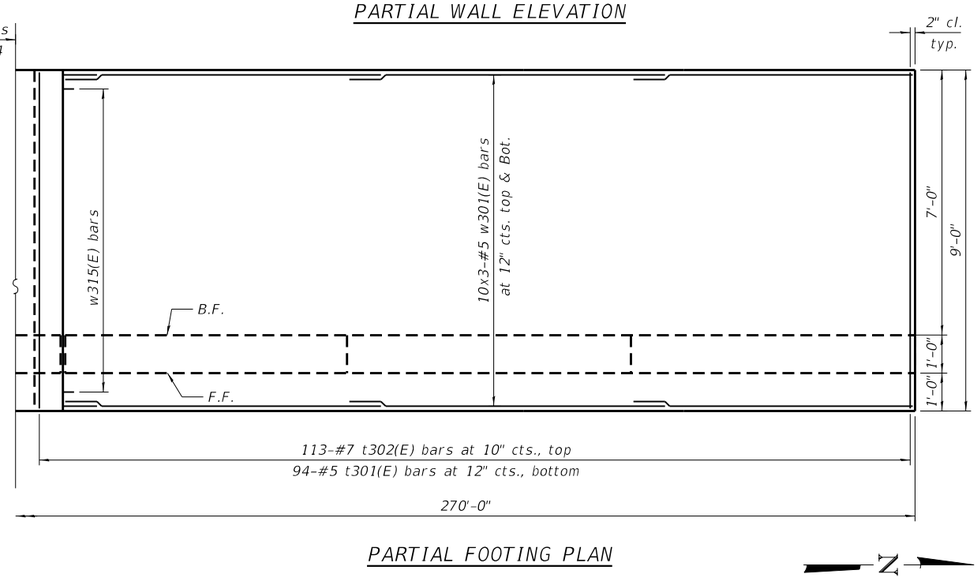
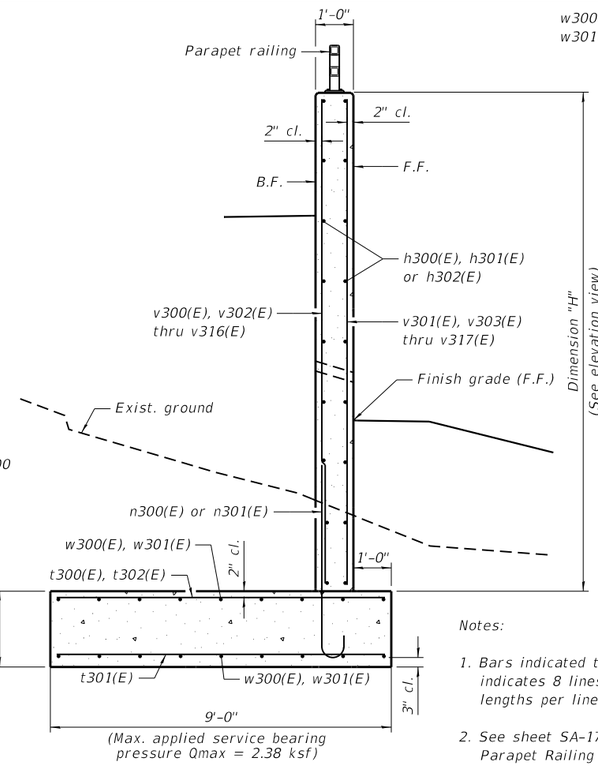


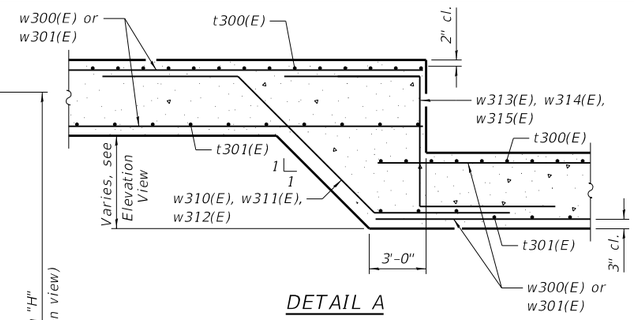
PARTIAL WALL ELEVATION



PARTIAL FOOTING PLAN



WALL SECTION



DETAIL A

Notes:

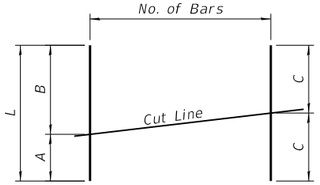
1. Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.
2. See sheet SA-17 of SA-28 for Parapet Railing details.
3. Order v307(E) bars full length. Cut to fit in Panel 7, use the remainder to fit in Panel 8.

* Indicates bars shall be cut to fit.

RW31-03 BILL OF MATERIALS

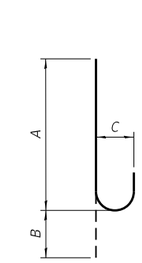
Bar	No.	Size	Length	Shape
h300(E)	88	#5	33'-7"	——
h301(E)	38	#5	29'-8"	——
h302(E)	18	#5	25'-0"	——
n300(E)	122	#6	8'-3"	⌒
n301(E)	397	#5	7'-7"	⌒
t300(E)	154	#8	8'-8"	——
t301(E)	283	#5	8'-8"	——
t302(E)	180	#7	8'-8"	——
v300(E)	61	#5	10'-7"	——
v301(E)	21	#4	21'-8"	——
v302(E)	122	#5	9'-2"	——
v303(E)	21	#4	19'-10"	——
v304(E)	61	#5	9'-11"	——
v305(E)	21	#4	18'-4"	——
v306(E)	61	#5	8'-1"	——
v307(E)	21	#4	17'-10"	——
v308(E)	122	#5	7'-4"	——
v309(E)	20	#4	7'-2"	——
v310(E)	61	#5	8'-10"	——
v311(E)	61	#5	5'-4"	——
w300(E)	40	#5	31'-8"	——
w301(E)	140	#5	33'-4"	——
w310(E)	10	#5	12'-10"	⌒
w311(E)	10	#5	13'-4"	⌒
w312(E)	10	#5	14'-1"	⌒
w313(E)	10	#5	11'-2"	⌒
w314(E)	10	#5	11'-6"	⌒
w315(E)	10	#5	11'-11"	⌒

Structure Excavation	Cu Yd	249
Protective Coat	Sq Yd	128
Concrete Structures (Retaining Wall)	Cu Yd	287
Reinforcement Bars, Epoxy Coated	Pound	31,670
Parapet Railing	Foot	269
Name Plates	Each	1
Granular Backfill For Structures	Cu Yd	99
Geocomposite Wall Drain	Sq Yd	0
Pipe Underdrains For Structures 4"	Foot	283
Concrete Headwalls For Pipe Drains	Each	1



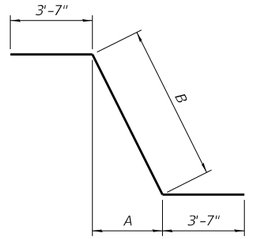
Bar	A	B	C	L
v301(E)	9'-4"	12'-4"	10'-10"	21'-8"
v303(E)	8'-2"	11'-8"	9'-11"	19'-10"
v305(E)	7'-5"	10'-11"	9'-2"	18'-4"
v307(E)	7'-1"	10'-9"	8'-11"	17'-10"

FIELD CUTTING DIAGRAM



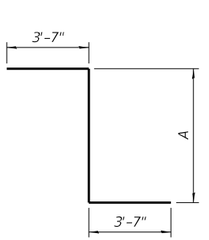
Bar	A	B	C
n300(E)	7'-7"	8"	6"
n301(E)	7'-1"	7"	5"

BARS n300(E), n301(E)



Bar	A	B
w310(E)	4'-0"	5'-7½"
w311(E)	4'-4"	6'-1½"
w312(E)	4'-11"	6'-11"

BARS w310(E), w311(E), and w312(E)



Bar	A
w313(E)	4'-0"
w314(E)	4'-4"
w315(E)	4'-11"

BARS w313(E), w314(E), and w315(E)

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RW31-03 – DETAILED PLAN AND ELEVATION 2 STRUCTURE NO. 056-W303
	CHECKED - AMK	REVISED -		
PLOT SCALE = 16.0000 ' / in.	DRAWN - RMH	REVISED -		SHEET SA-05 OF SA-28 SHEETS
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY		835
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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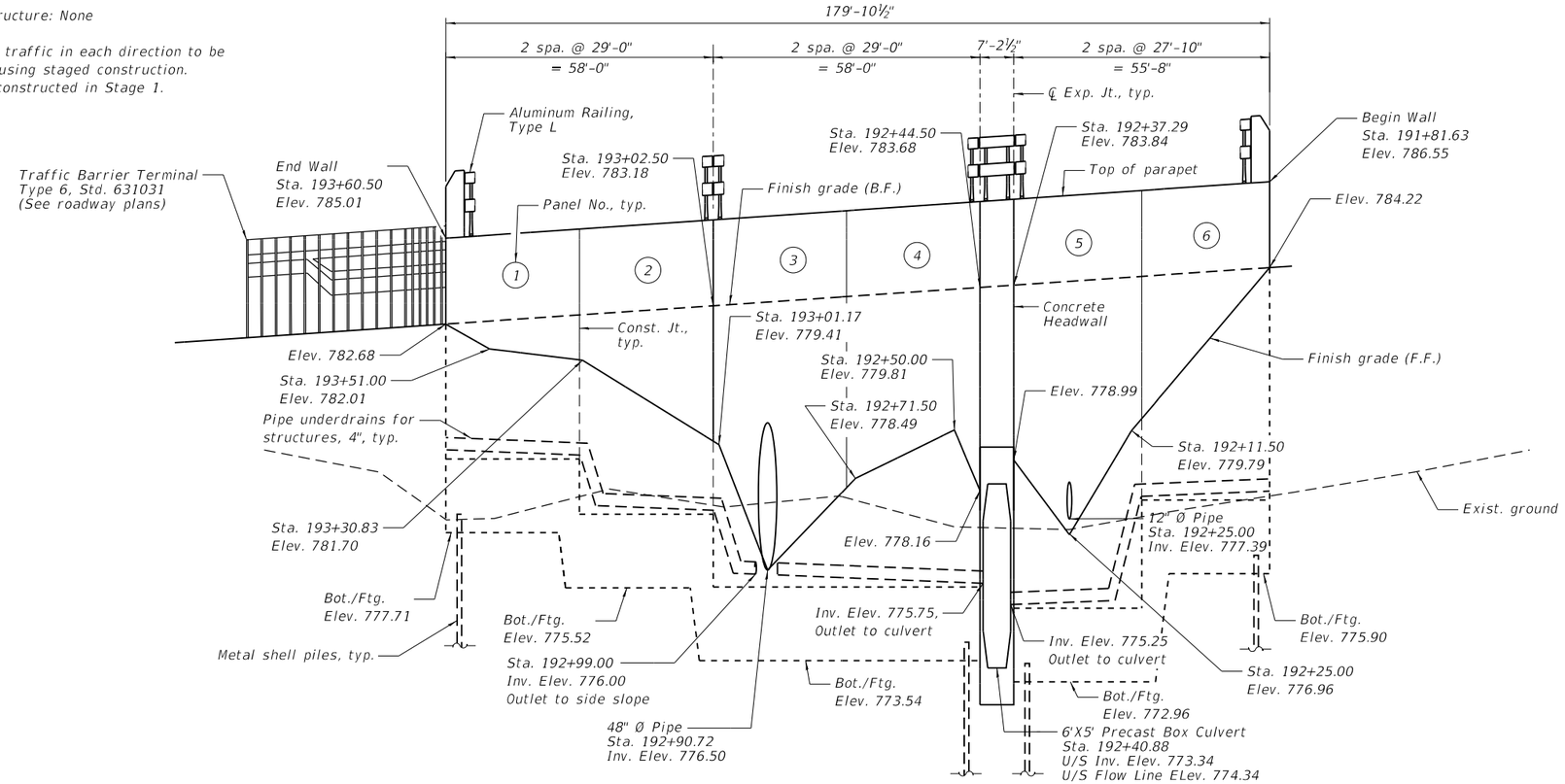
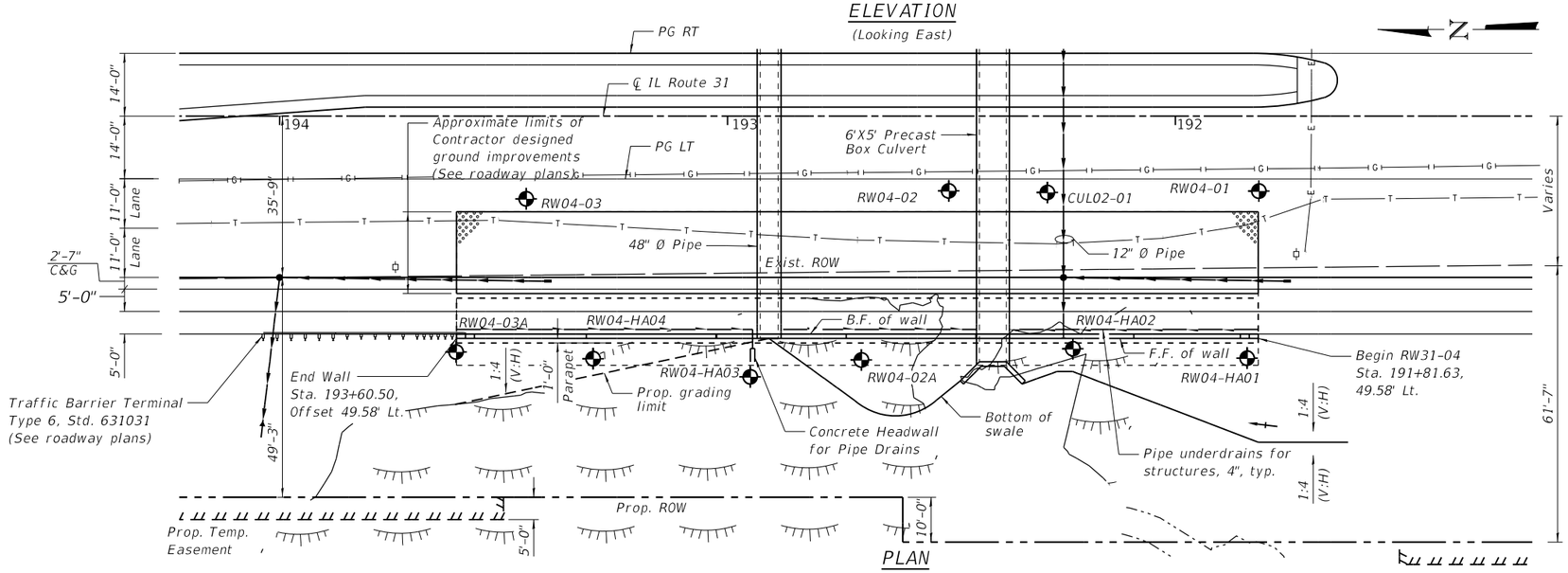
Benchmark: C.P. #355 – Magnail in asphalt driveway/roadway entrance. Sta. 191+27.27, Offset 55.26' Rt., Elev. 781.93

Existing Structure: None

One lane of traffic in each direction to be maintained using staged construction.
Wall to be constructed in Stage 1.



ELEVATION
(Looking East)



PLAN

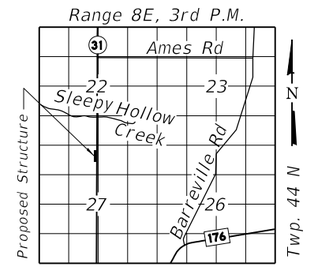
(Wall offsets are measured from the ℄ IL Route 31 to front face of wall)

STA. 191+81.63 TO STA. 193+60.50
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 336A – SEC. 2019-196-W&R
HL-93 LOADING
STR. NO. 056-W304

NAME PLATE
See Std. 515001

LEGEND

	Soil Boring
	Prop. Storm Sewer
C&G	Curb & Gutter, Type B-6.24
	Wetland
	WOUS Limits
	Contractor Design Improvement
—A—	Exist. Aerial Lines
—G—	Exist. Underground Gas
—T—	Exist. Underground Telephone
—E—	Exist. Underground Electric
B.F.	Back Face
F.F.	Front Face



LOCATION SKETCH

GENERAL PLAN & ELEVATION
RETAINING WALL RW31-04 – IL ROUTE 31
F.A.P. 336A – SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 191+81.63 TO STA. 193+60.50
STRUCTURE NO. 056-W304

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
	CHECKED - AMK	REVISED -			
PLOT SCALE = 32.0000 ' / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -			

SHEET SA-06 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	625
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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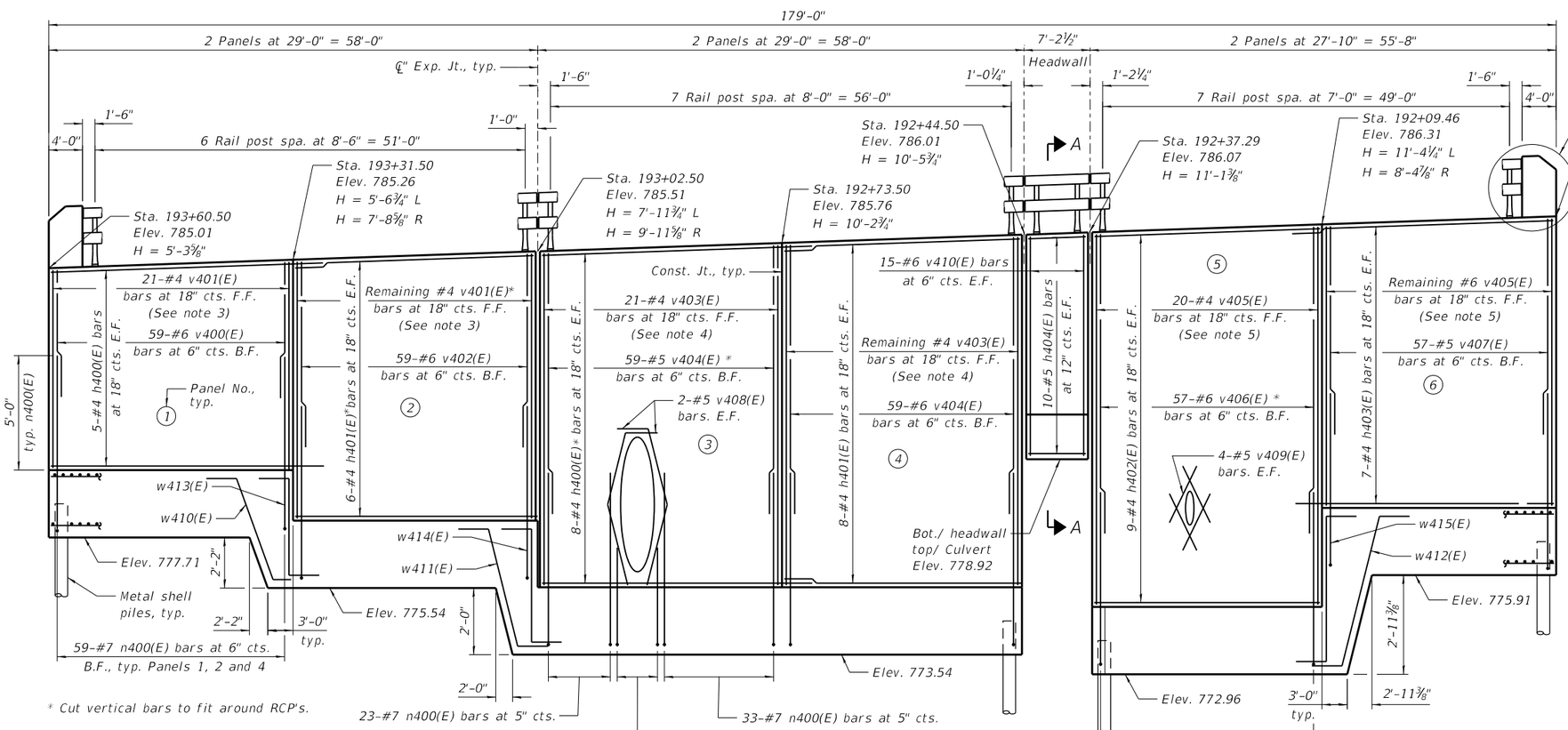
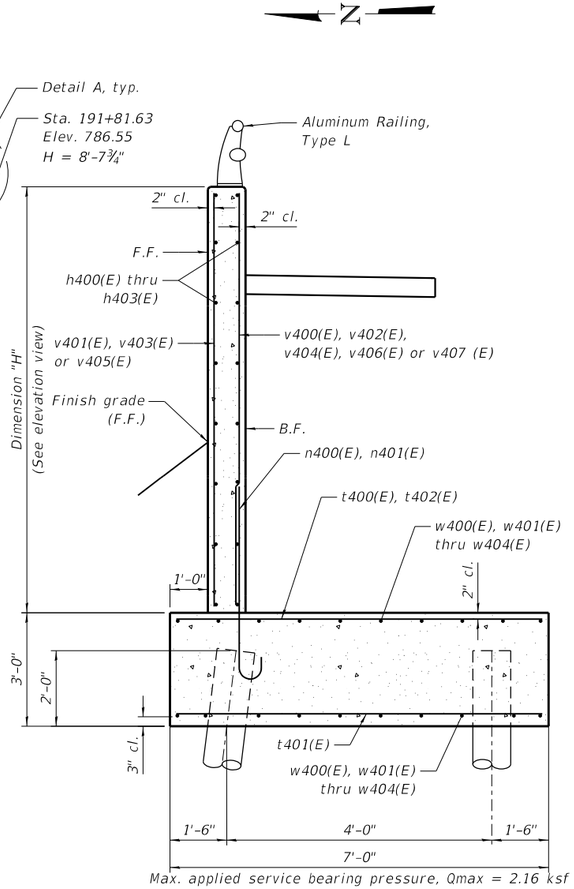
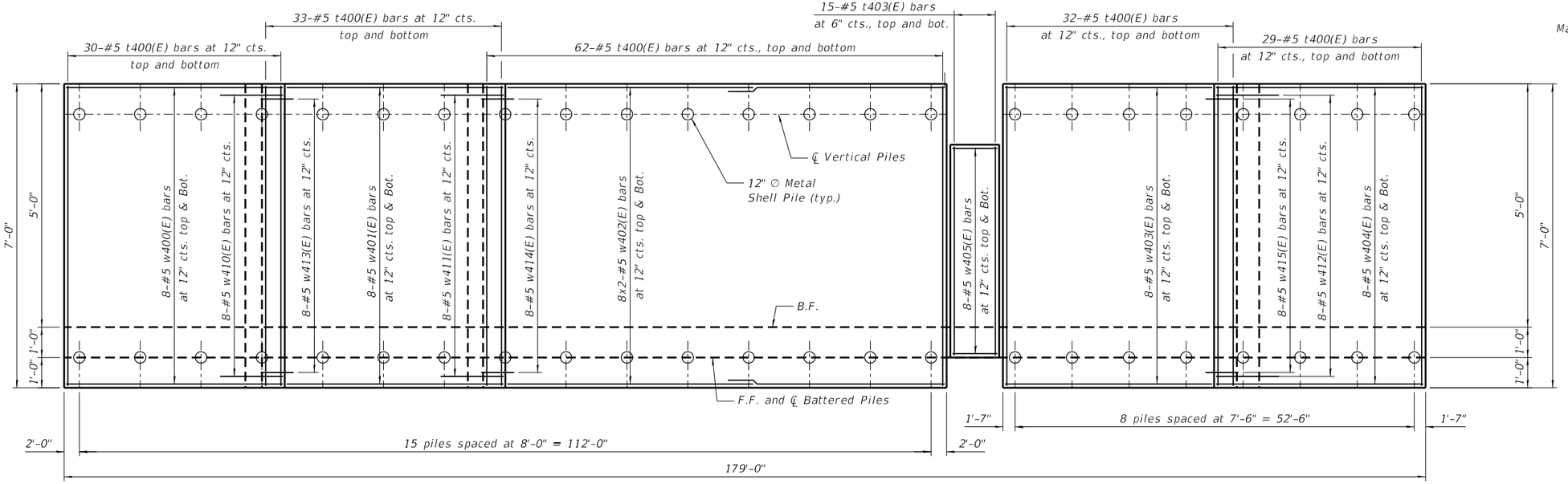


WALL ELEVATION



Max. applied service bearing pressure, Qmax = 2.16 ksf

WALL SECTION



FOOTING PLAN

MIN. BAR LAPS

#4 bars = 2'-11"
#5 (Horiz.) bars = 3'-7"
#5 (Vert.) bars = 3'-2"
#6 bars = 3'-10"
#7 bars = 4'-5"

Notes:

1. Bars indicate 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.
2. See sheet SA-17 of SA-28 for Parapet Railing details.
3. Order v401(E) bars full length. Cut to fit in Panel 1, use the remainder to fit in Panel 2.
4. Order v403(E) bars full length. Cut to fit in Panel 3, use the remainder to fit in Panel 4.
5. Order v405(E) bars full length. Cut to fit in Panel 5, use the remainder to fit in Panel 6.
6. See sheet SA-08 of SA-28 for Section A-A and Detail A.

PATRICK a RJR company

USER NAME = bwitort		DESIGNED - EMA		REVISED -	
		CHECKED - AMK		REVISED -	
PLOT SCALE = 16.0000 ' / in.		DRAWN - RMH		REVISED -	
PLOT DATE = 10/3/2024		CHECKED - AMK		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RW31-04 – DETAILED PLAN AND ELEVATION
STRUCTURE NO. 056-W304
SHEET SA-07 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	626
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

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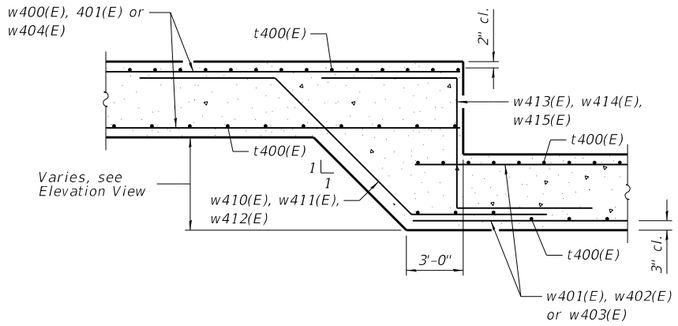
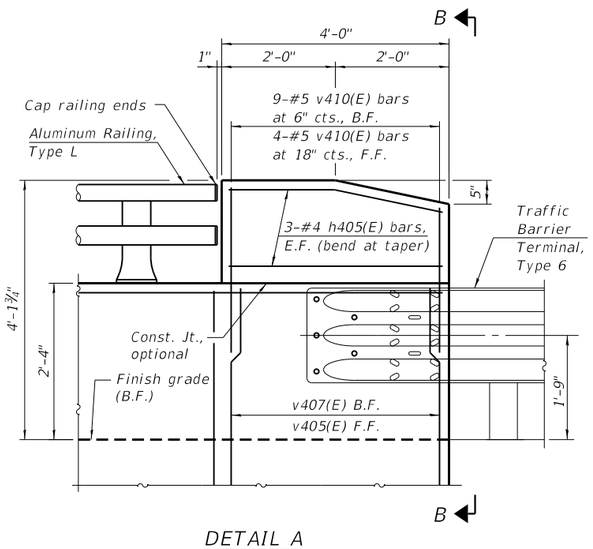


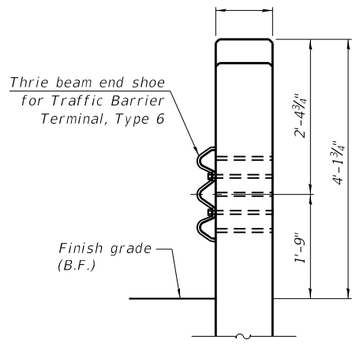
FOOTING DETAIL

(Similar opposite hand)

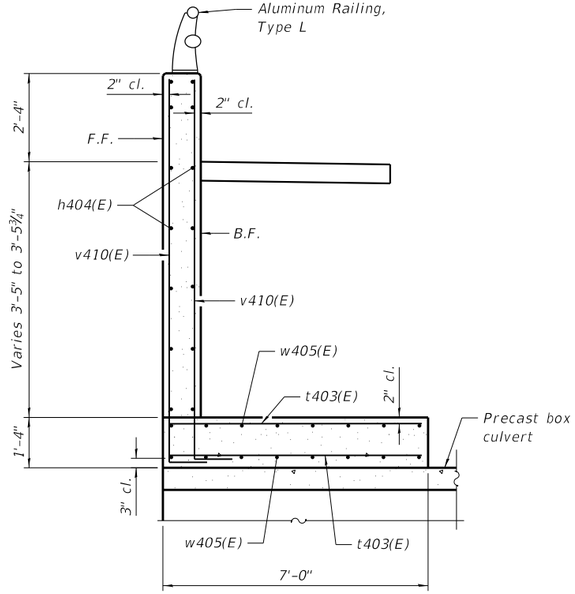


DETAIL A

(South end shown. North end similar, opposite hand)



SECTION B-B



SECTION A-A

PILE DATA

Type: Metal Shell 12" w/0.25" walls
Nominal Required Bearing: 392 kips
Allowable Resistance Available: 138 kips
Estimated Length: 55' (Vertical)
Estimated Length: 55' (Battered)
No. Production Pile: 46
No. Test Piles: 1

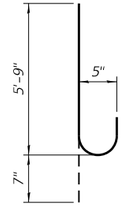
RW31-04 BILL OF MATERIALS

Bar	No.	Size	Length	Shape
h400(E)	26	#4	31'-11"	——
h401(E)	28	#4	28'-8"	——
h402(E)	18	#4	27'-6"	——
h403(E)	14	#4	30'-9"	——
h404(E)	20	#5	6'-10"	——
h405(E)	6	#4	3'-8"	——
n400(E)	347	#7	7'-9"	호
n401(E)	7	#4	6'-9"	호
t400(E)	186	#5	6'-8"	——
t403(E)	30	#5	6'-8"	——
v400(E)	59	#6	5'-0"	——
v401(E)	21	#4	12'-6"	——
v402(E)	59	#6	7'-5"	——
v403(E)	21	#4	19'-8"	——
v404(E)	118	#6	9'-11"	——
v405(E)	20	#4	19'-1"	——
v406(E)	57	#6	10'-9"	——
v407(E)	57	#6	8'-1"	——
v408(E)	4	#5	9'-4"	⌵
v409(E)	8	#5	3'-7"	——
v410(E)	30	#6	7'-8"	호
w400(E)	16	#5	28'-8"	——
w401(E)	16	#5	31'-8"	——
w402(E)	32	#5	32'-2"	——
w403(E)	16	#5	30'-6"	——
w404(E)	16	#5	27'-6"	——
w405(E)	16	#5	6'-10"	——
w410(E)	8	#5	12'-5"	원
w411(E)	8	#5	12'-3"	원
w412(E)	8	#5	13'-6"	원
w413(E)	8	#5	10'-11"	원
w414(E)	8	#5	10'-9"	원
w415(E)	8	#5	11'-8"	원

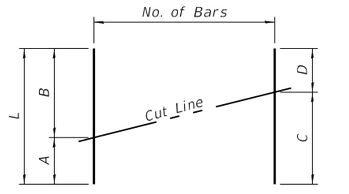
Structure Excavation	Cu Yd	212
Protective Coat	Sq Yd	67
Reinforcement Bars, Epoxy Coated	Pound	18,250
Aluminum Railing, Type L	Foot	171
Furnishing Metal Shell Piles 12" X 0.250"	Foot	1,265
Driving Piles	Foot	1,265
Test Pile Metal Shells	Each	1
Pile Shoes	Each	46
Name Plates	Each	1
Concrete Structures (Retaining Wall)	Cu Yd	204
Granular Backfill For Structures	Cu Yd	77
Geocomposite Wall Drain	Sq Yd	188
Pipe Underdrains For Structures 4"	Foot	187
Concrete Headwalls For Pipe Drains	Each	1

Notes:

1. *Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.*
2. *See sheet SA-17 of SA-28 for Parapet Railing details.*

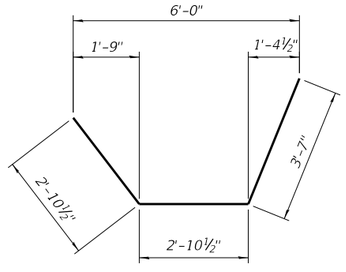


BAR n400(E)

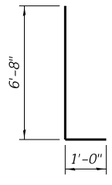


Bar	A	B	C	D	L
v401(E)	4'-11"	7'-7"	7'-4"	5'-2"	12'-6"
v403(E)	9'-7"	10'-1"	9'-10"	9'-10"	19'-8"
v405(E)	8'-4"	10'-9"	11'-0"	8'-1"	19'-1"

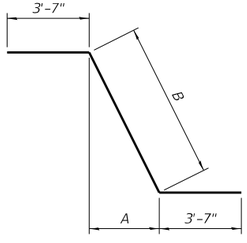
FIELD CUTTING DIAGRAM



BAR v408(E)

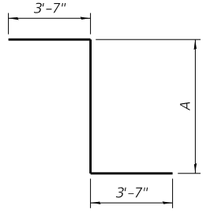


BAR v410(E)



Bar	A	B
w410(E)	3'-9"	5'-3"
w411(E)	3'-7"	5'-1"
w412(E)	4'-6"	6'-4"

BARS w310(E), w311(E), and w312(E)



Bar	A
w413(E)	3'-9"
w414(E)	3'-7"
w415(E)	4'-6"

BARS w413(E), w414(E), and w415(E)

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USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RW31-04 – BAR BENDS AND BILL OF MATERIALS STRUCTURE NO. 056-W304	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 4:0 ':" / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		SHEET SA-08 OF SA-28 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	627
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

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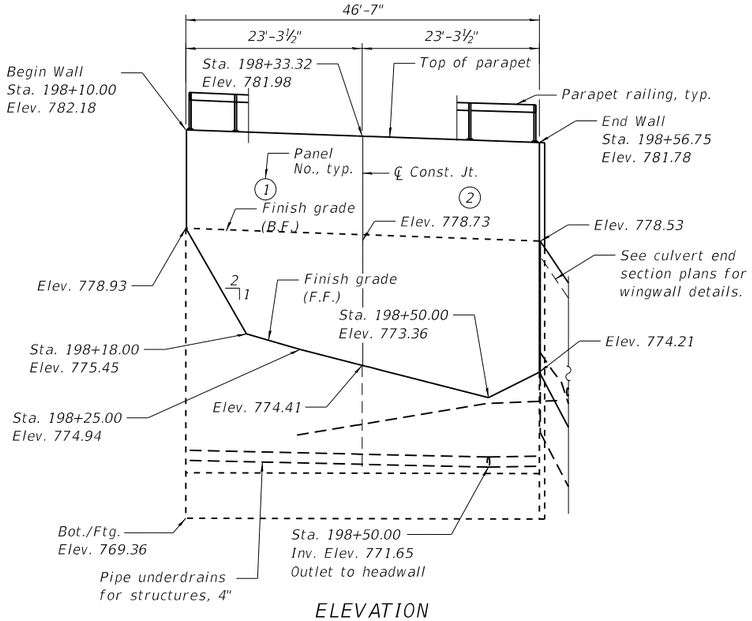
Benchmark: C.P. #360 – #5 rebar in grass pkwy., Sta. 196+10, o/s 33' Lt., Elev. 776.88

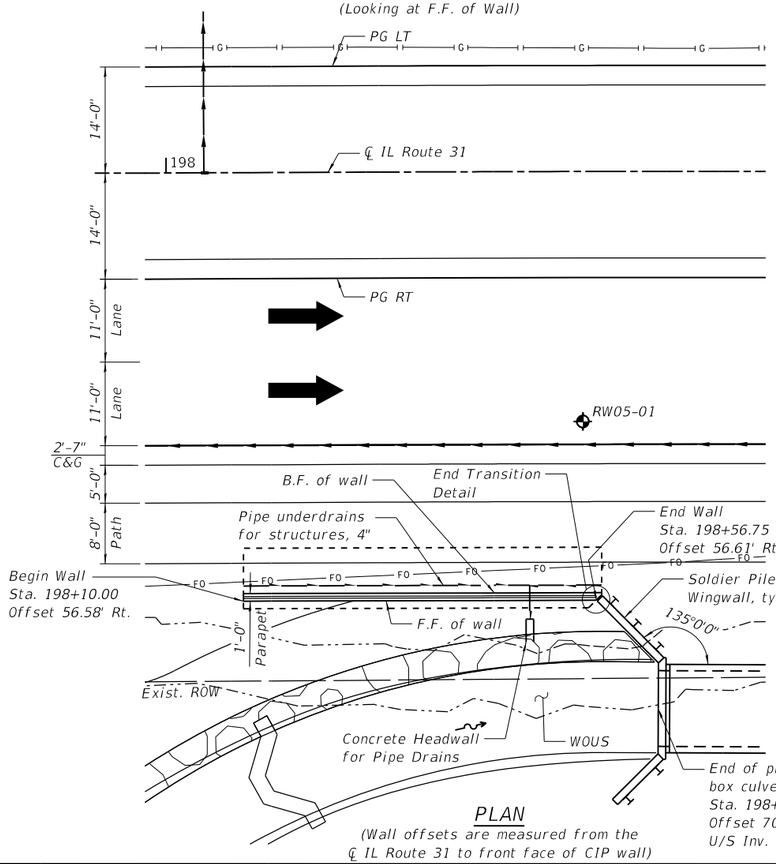
Existing Structure: None

One lane of traffic in each direction to be maintained using staged construction. Wall to be constructed in Stage 1A.



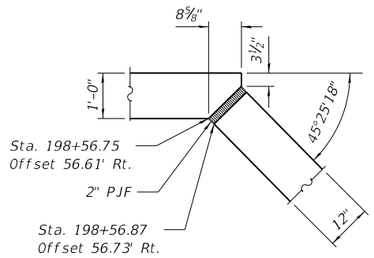
ELEVATION

(Looking at F.F. of Wall)



PLAN

(Wall offsets are measured from the ℄ IL Route 31 to front face of CIP wall)



END TRANSITION DETAIL

LEGEND

	Soil Boring Location
C&G	Curb & Gutter, Type B-6.24
	Wetland
	WOUS Limits
G	Exist. Underground Gas
FO	Exist. Fiber Optic
	Exist. Sanitary Sewer
A	Exist. Aerial Lines
B.F.	Back Face
F.F.	Front Face

CURVE DATA

P.I. Sta. = 199+99.96
Δ = 2° 00' 16" (RT)
D = 0° 35' 00"
R = 9,821.00'
T = 171.80'
L = 343.57'
E = 1.50'
e = N/A
T.R. = N/A
S.E. Run = N/A
P.C. Sta. = 198+28.16
P.T Sta. = 201+71.73

GENERAL PLAN & ELEVATION
RETAINING WALL RW31-05 – IL ROUTE 31
F.A.P. 336A – SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 198+10.00 TO STA. 198+56.75
STRUCTURE NO. 056-W305

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
	CHECKED - AMK	REVISED -			
PLOT SCALE = 20.0047 ' / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		SHEET SA-09 OF SA-28 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	628
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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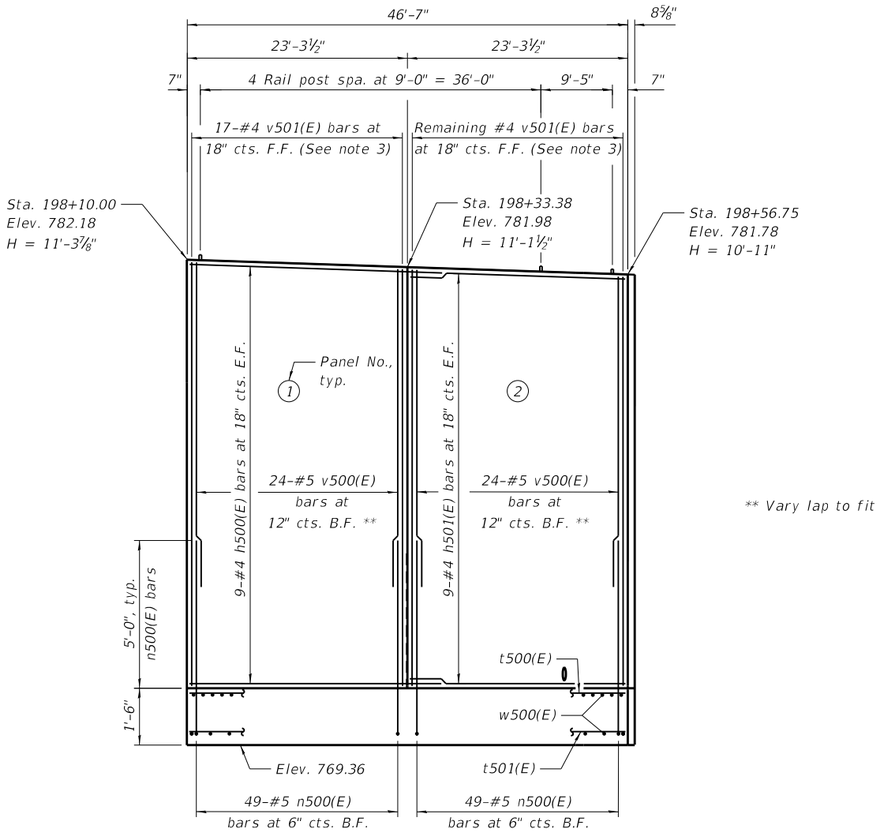
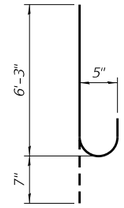


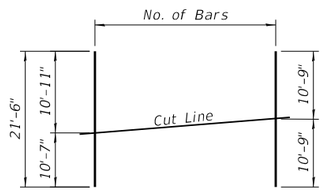
WALL ELEVATION

FOOTING PLAN

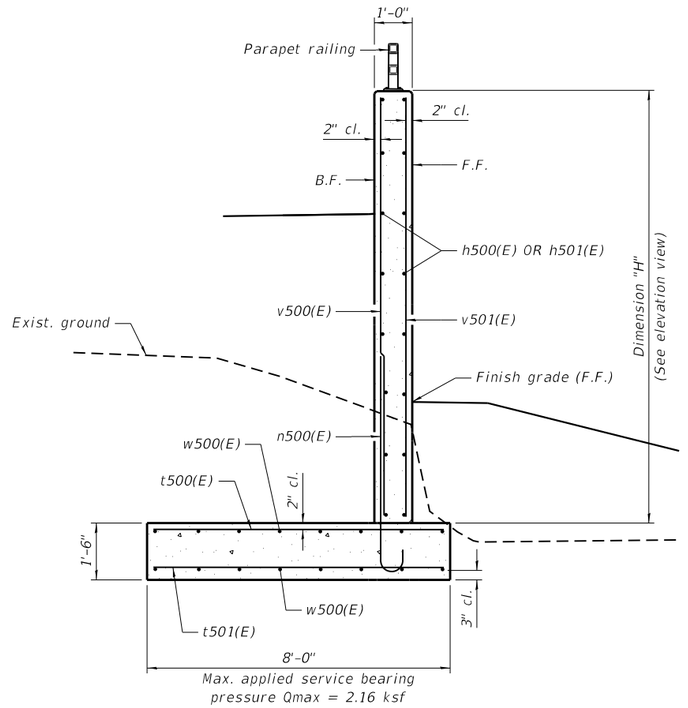
* Bend last t500(E) and t501(E) to fit at chamfer.



BAR n500(E)



v501(E)
FIELD CUTTING DIAGRAM



WALL SECTION

MIN. BAR LAPS

#5 (Horiz.) = 3'-7"
#5 (Vert.) = 3'-2"
#6 = 3'-10"

Notes:

1. Bars indicate 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.
2. See sheet SA-17 of SA-28 for Parapet Railing details.
3. Order v501(E) bars full length. Cut to fit in Panel 1, use the remainder to fit in Panel 2.

RW31-05 BILL OF MATERIALS

Bar	No.	Size	Length	Shape
h500(E)	18	#5	26'-11"	——
h501(E)	18	#5	22'-11"	——
n500(E)	118	#5	6'-10"	⌒
t500(E)	48	#8	7'-8"	——
t501(E)	58	#5	7'-8"	——
v500(E)	48	#5	9'-6"	——
v501(E)	17	#5	21'-6"	——
Structure Excavation			Cu Yd	66
Protective Coat			Sq Yd	23
Concrete Structures (Retaining Wall)			Cu Yd	40.4
Reinforcement Bars, Epoxy Coated			Pound	5,040
Parapet Railing			Foot	47
Name Plates			Each	1
Granular Backfill For Structures			Cu Yd	22
Geocomposite Wall Drain			Sq Yd	33
Pipe Underdrains For Structures 4"			Foot	57
Concrete Headwalls For Pipe Drains			Each	1

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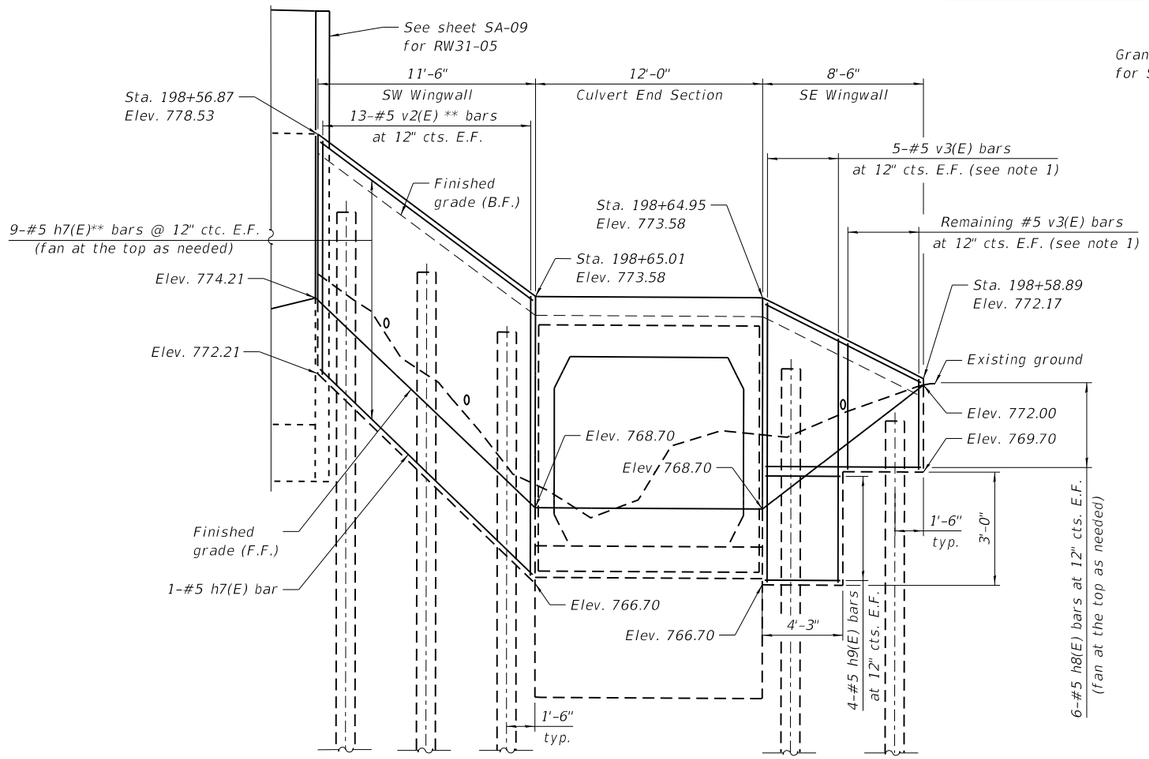
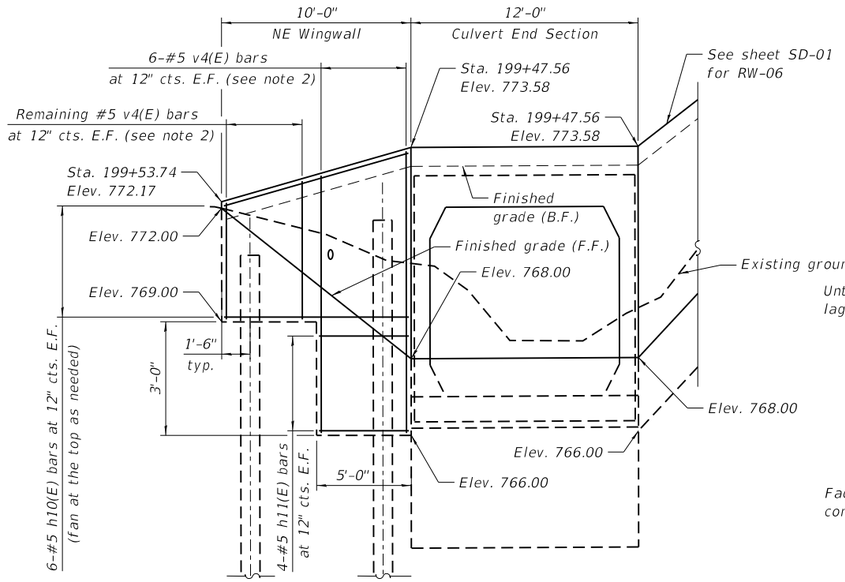


SOUTH WINGWALL ELEVATION

(Looking North)

* Weep holes centered between piles.

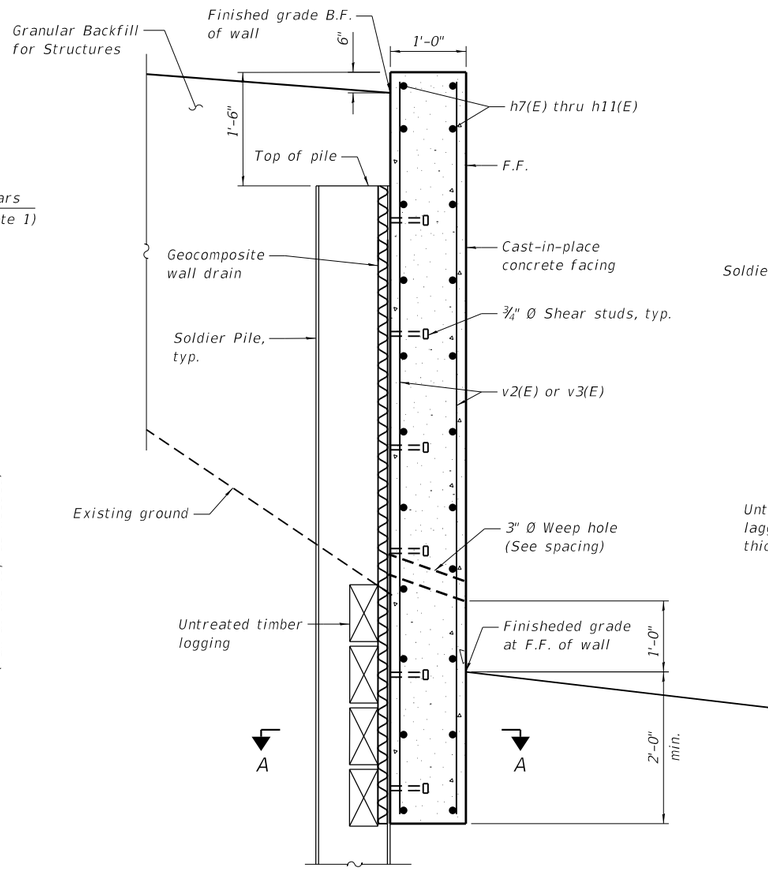
** cut v2(E) and h bars to fit



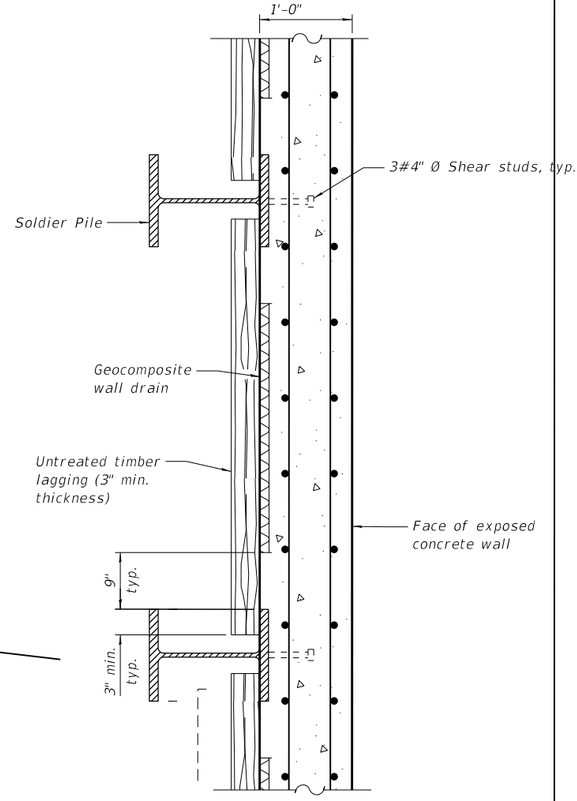
NORTH WINGWALL ELEVATION

(Looking South)

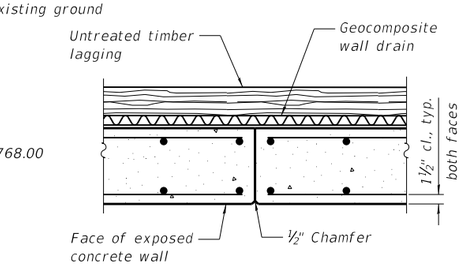
*Weep holes centered between piles.



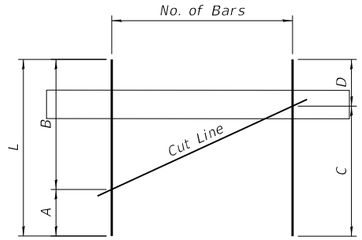
TYPICAL SECTION THRU SOLDIER PILE WINGWALL



SECTION A-A



CONSTRUCTION JOINT



FIELD CUTTING DIAGRAM

Bar	A	B	C	D	L
v3(E)	2'-10"	7'-3"	3'-10"	6'-3"	10'-1"
v4(E)	2'-10"	7'-3"	3'-7"	6'-6"	10'-1"

Notes:

1. Order v3(E) bars full length. Cut to fit first half of SE wingwall, use the remainder to complete the SE wingwall.
2. Order v4(E) bars full length. Cut to fit first half of NE wingwall, use the remainder to complete the NE wingwall.

MODEL: Default
FILE NAME: C:\SHT-056W305-62K69-culvwall-SA10A.dgn

USER NAME = bwitort	DESIGNED - EMA	REVISED -		
	CHECKED - AMK	REVISED -		
PLOT SCALE = 8.0019 ' / in.	DRAWN - RMH	REVISED -		
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT WINGWALL ELEVATIONS
STRUCTURE NO. 056-W305

SHEET SA-10A OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	630
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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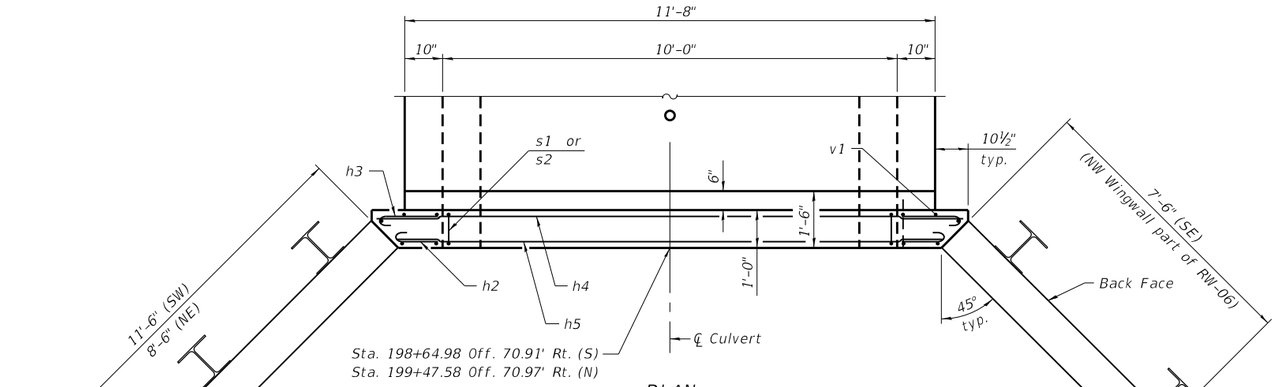
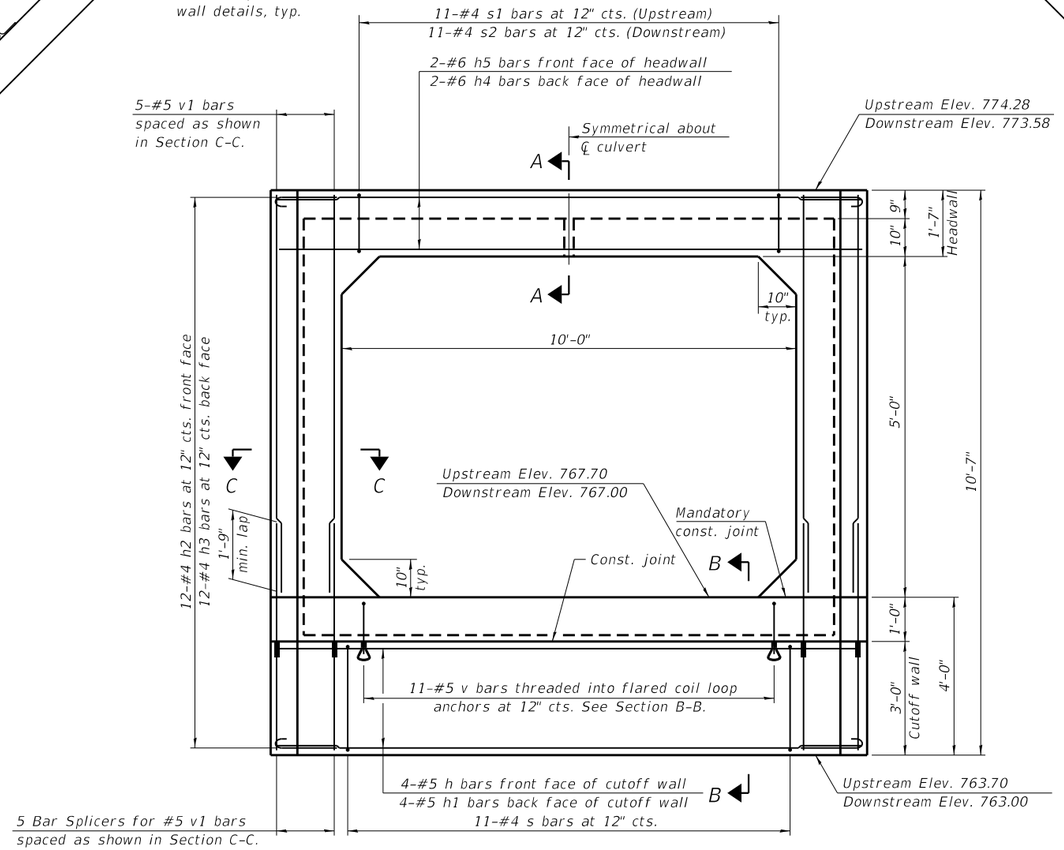


PLAN



END ELEVATION

(Wingwalls omitted in this view for clarity.)

Notes:

The design fill height for this structure is feet. The precast concrete box culvert sections shall conform to the standard designs of ASTM C 1577.

The box culvert end section shall be built in the field and a precast option is not allowed except the cutoff wall may be precast. If the Contractor elects to use a precast cutoff wall, shop drawings and a proposed construction sequence shall be submitted to the Engineer for approval.

Areas of the precast box culvert in contact with cast-in-place concrete shall be sandblasted, cleaned, and wetted prior to placing concrete in the field according to Article 503.09(b).

The ends of the precast box sections adjacent to the end section shall be formed without male and female shapes.

The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.

Tilt h2 and h3 bars as required to maintain clearance.

Extend precast concrete box culvert welded wire reinforcement into end section. Bend as necessary to provide 1½" clear cover.

See sheet SA-10C of SA-28 for Section A-A, B-B and C-C.

See sheet SA-10B of SA-28 for additional wing wall details.

BILL OF MATERIAL

Item	Unit	Total
Box Culvert End Sectons, Culvert No.	Each	2

MODEL: Default
FILE NAME: C:\SHT-056W305-62K69-culvwall-SA10B.dgn

PATRICK a RJH company	USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT END SECTION DETAILS (1 OF 2) STRUCTURE NO. 056-W305
		CHECKED - AMK	REVISED -		
	PLOT SCALE = 4:0 ':" / in.	DRAWN - RMH	REVISED -		SHEET SA-10B OF SA-28 SHEETS
	PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	631
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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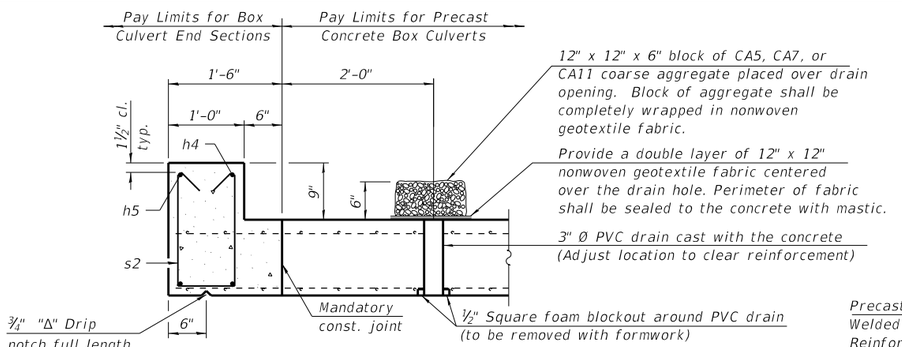
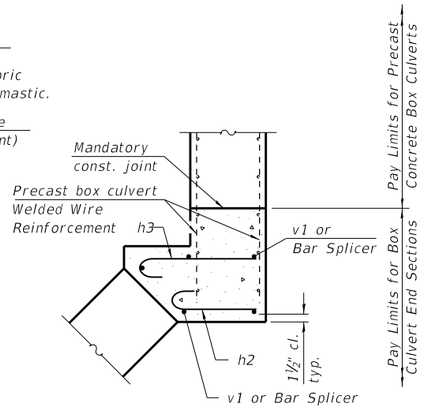
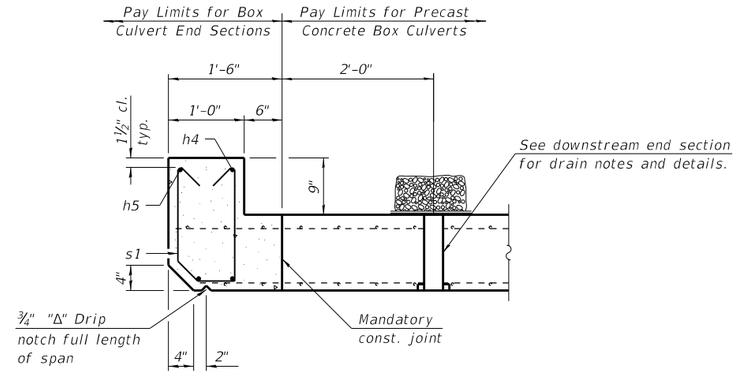


SECTION A-A
(Downstream End)

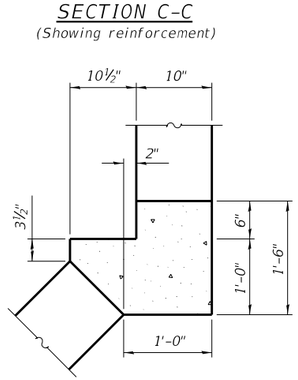
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



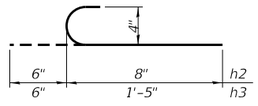
SECTION C-C
(Showing reinforcement)



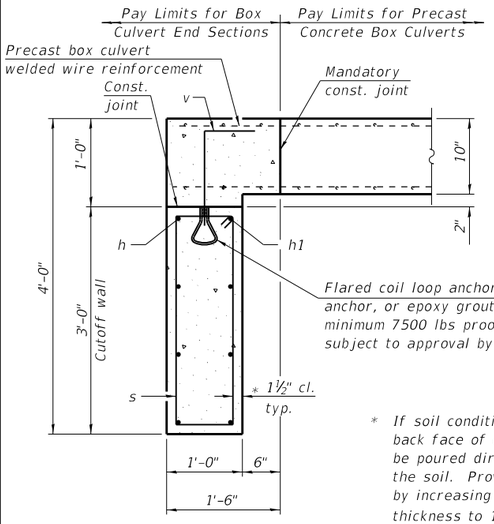
SECTION A-A
(Upstream End)



SECTION C-C
(Showing dimensions)

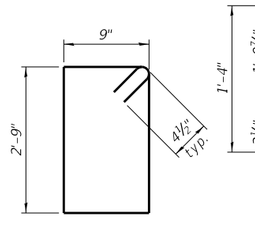


BARS h2 and h3

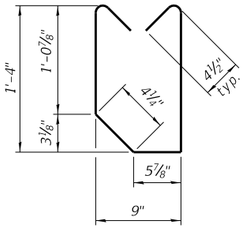


* If soil conditions permit, the back face of cutoff wall may be poured directly against the soil. Provide 3" cover by increasing cutoff wall thickness to 1'-1½".

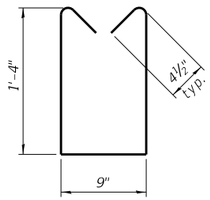
SECTION B-B



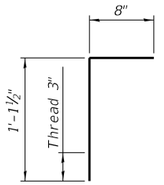
BAR s



BAR s1



BAR s2



BAR v

ONE END SECTION BILL OF MATERIAL
(For information only)

Bar	No.	Size	Length	Shape
h(E)	4	#5	11'-9"	——
h1(E)	4	#5	13'-2"	——
h2(E)	24	#4	1'-2"	⌒
h3(E)	24	#4	1'-11"	⌒
h4(E)	2	#6	13'-2"	——
h5(E)	2	#6	11'-9"	——
h7(E)	9	#5	12'-5"	——
h8(E)	6	#5	8'-3"	——
h9(E)	4	#5	3'-11"	——
h10(E)	6	#5	9'-9"	——
h11(E)	4	#5	4'-8"	——
s(E)	11	#4	7'-9"	⌒
s1(E)	11	#4	4'-0"	⊔
s2(E)	11	#4	4'-2"	⊔
v(E)	11	#5	1'-10"	⌒
v1(E)	10	#5	6'-4"	——

Structure Excavation	Cu Yd	13
Concrete Structures (Retaining Wall)	Cu Yd	7.0
Stud Shear Connectors	Each	48
Reinforcement Bars, Epoxy Coated	Pound	700
Furnishing Soldier Piles (Hp Section)	Foot	189
Driving Soldier Piles	Foot	189
Untreated Timber Lagging	Sq Ft	119
Granular Backfill For Structures	Cu Yd	5
Geocomposite Wall Drain	Sq Yd	8

MODEL: Default
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USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	1'-4"	BOX CULVERT END SECTION DETAILS (2 OF 2) STRUCTURE NO. 056-W305
	CHECKED - AMK	REVISED -			SHEET SA-10C OF SA-28 SHEETS
PLOT SCALE = 4:0 ':' / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	632
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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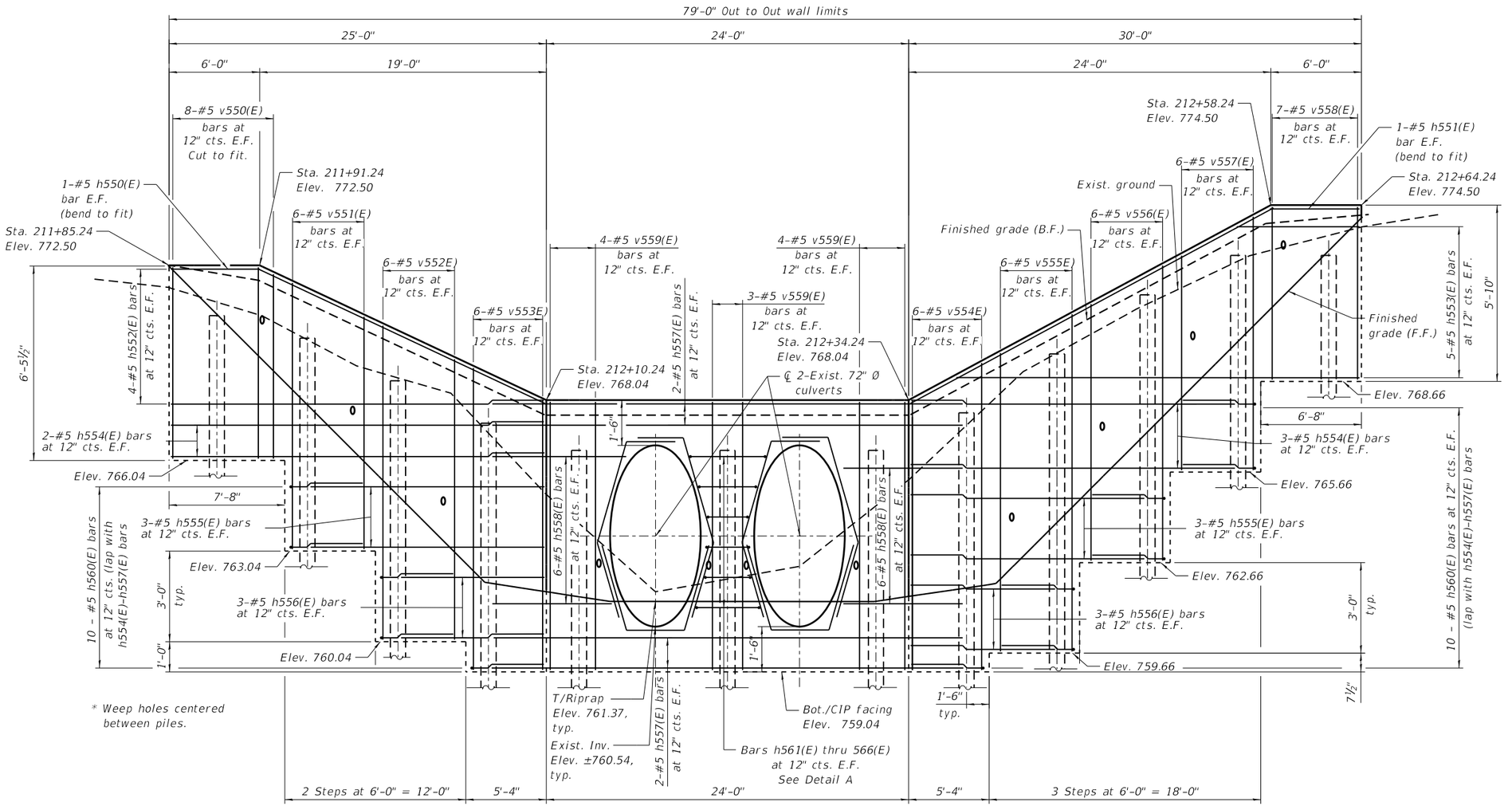
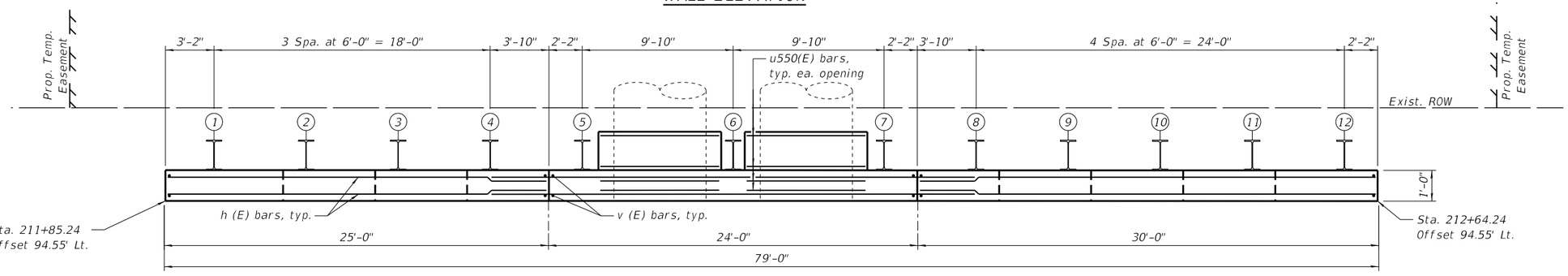
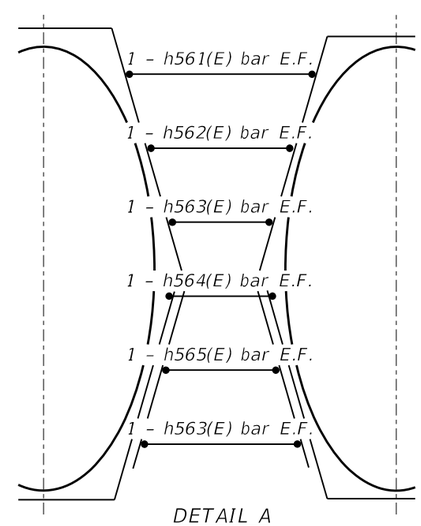


WALL ELEVATION



WALL PLAN



DETAIL A

MIN. BAR LAP
#5 = 3'-7"

PATRICK a RJR company	USER NAME = bwitort	DESIGNED - KP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RW31-05A – PLAN AND ELEVATION STRUCTURE NO. 056-W30X
		CHECKED - AMK	REVISED -		SHEET SA-11 OF SA-28 SHEETS
	PLOT SCALE = 8:0.0000 ':' / in.	DRAWN - RMH	REVISED -		
	PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	633
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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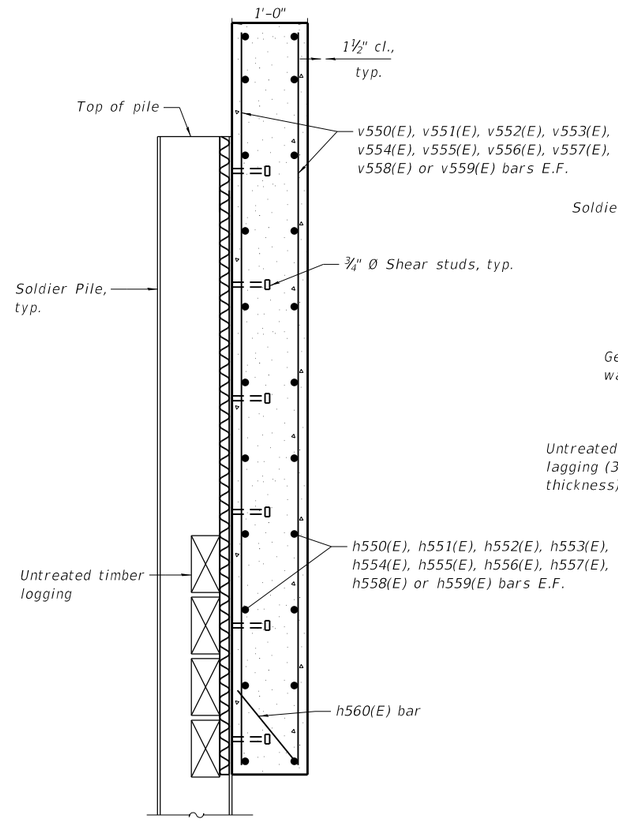
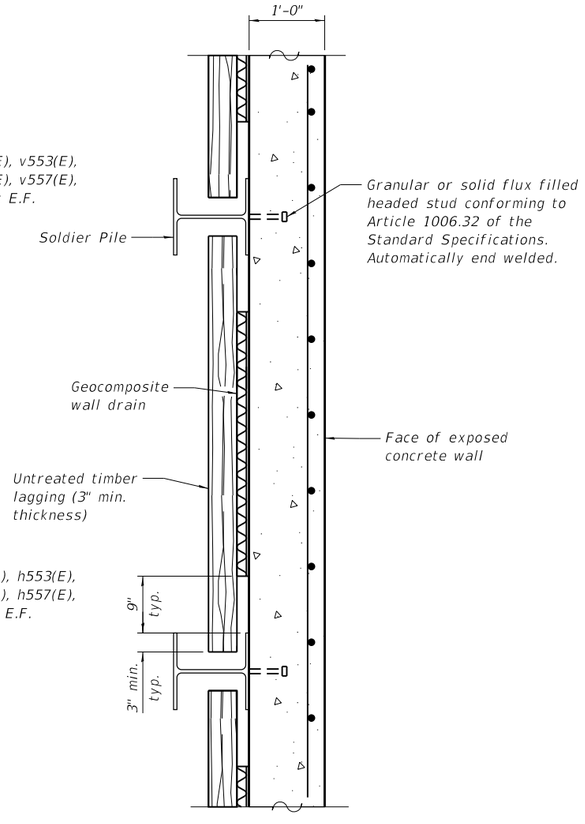
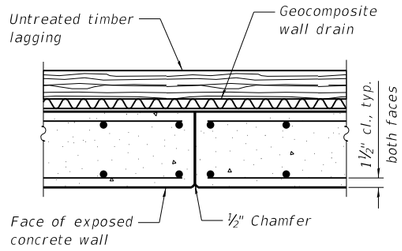


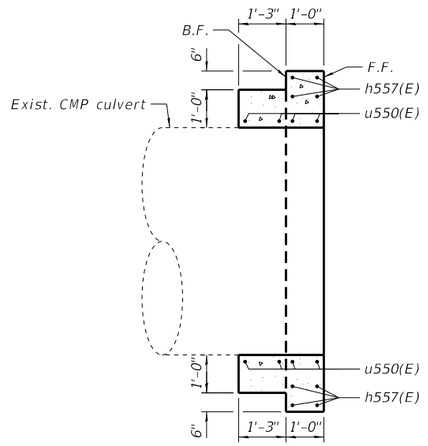
TYPICAL SECTION



SECTION A-A



CONSTRUCTION JOINT



SECTION AT CULVERT

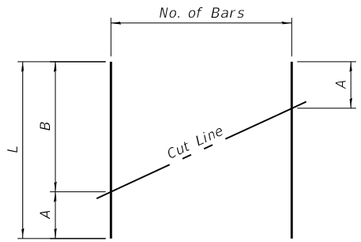
RW-05A BILL OF MATERIALS

Bar	No.	Size	Length	Shape
h550(E)	2	#5	25'-2"	——
h551(E)	2	#5	30'-5"	——
h552(E)	8	#5	33'-8"	——
h553(E)	10	#5	35'-1"	——
h554(E)	10	#5	24'-8"	——
h555(E)	12	#5	29'-0"	——
h556(E)	12	#5	9'-0"	——
h557(E)	8	#5	31'-2"	——
h558(E)	12	#5	8'-3"	——
h560(E)	20	#5	1'-11"	⌘
h561(E)	2	#5	6'-10"	⌘
h562(E)	2	#5	4'-11"	⌘
h563(E)	2	#5	4'-2"	⌘
h564(E)	2	#5	4'-0"	⌘
h565(E)	2	#5	4'-5"	⌘
h566(E)	2	#5	5'-8"	⌘
u550(E)	24	#5	10'-2"	◡
v550(E)	16	#5	6'-1"	——
v551(E)	12	#5	15'-8"	——
v552(E)	12	#5	19'-0"	——
v553(E)	12	#5	18'-8"	——
v554(E)	12	#5	18'-11"	——
v555(E)	12	#5	20'-6"	——
v556(E)	12	#5	17'-9"	——
v557(E)	12	#5	14'-11"	——
v558(E)	14	#5	5'-10"	——
v559(E)	22	#5	8'-8"	——

Structure Excavation	Cu Yd	54
Concrete Structures (Retaining Wall)	Cu Yd	23
Stud Shear Connectors	Each	121
Reinforcement Bars, Epoxy Coated	Pound	4,180
Name Plates	Each	1
Furnishing Soldier Piles (Hp Section)	Foot	372
Driving Soldier Piles	Foot	372
Untreated Timber Lagging	Sq Ft	484
Granular Backfill For Structures	Cu Yd	47
Geocomposite Wall Drain	Sq Yd	19

SOLDIER PILE DATA

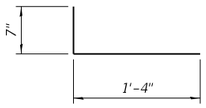
Pile No.	Station	Offset	Top of Pile Elev.	Pile Tip Elev.	Pile Length
1	211+88.41	64.83	770.83	739.83	31
2	211+94.41	64.83	770.11	739.11	31
3	212+00.41	64.83	768.76	737.76	31
4	212+06.41	64.83	767.4	736.4	31
5	212+12.41	64.83	766.54	735.54	31
6	212+22.24	64.83	766.54	735.54	31
7	212+32.07	64.83	766.54	735.54	31
8	212+38.07	64.83	767.57	736.57	31
9	212+44.07	64.83	769.19	738.19	31
10	212+50.07	64.83	770.80	739.80	31
11	212+56.07	64.83	772.42	741.42	31
12	212+62.07	64.83	773.00	742.00	31



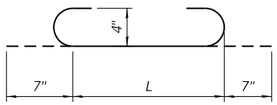
FIELD CUTTING DIAGRAM

Bar	A	B	L	No. of Bars
v551(E)	7'-2"	8'-6"	15'-8"	6
v552(E)	8'-10"	10'-2"	19'-0"	6
v553(E)	8'-10"	9'-10"	18'-8"	6
v554(E)	8'-10"	10'-1"	18'-11"	6
v555(E)	9'-5"	11'-1"	20'-6"	6
v556(E)	8'-1"	9'-8"	17'-9"	6
v557(E)	6'-8"	8'-3"	14'-11"	6
h552(E)	10'-2"	23'-6"	33'-8"	4
h553(E)	10'-1"	25'-0"	35'-1"	5

Order bars full length. Cut as shown and use remainder of bars in opposite face of wall.

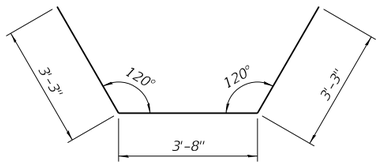


BAR h560(E)



Bar	L
h561(E)	5'-8"
h562(E)	3'-9"
h563(E)	3'-0
h564(E)	2'-10"
h565(E)	3'-3"
h566(E)	4'-6"

BARS h561(E), h562(E), h563(E), h564(E), h565(E), h566(E)



BAR u550(E)

Notes:

1. See sheet SA-02 of SA-28 for drainage details.

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USER NAME = bwitort	DESIGNED - KNP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RW31-305A – BAR BENDS AND BILL OF MATERIALS STRUCTURE NO. 056-W30X	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 4:0 ':' / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		SHEET SA-12 OF SA-28 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R		835	634
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

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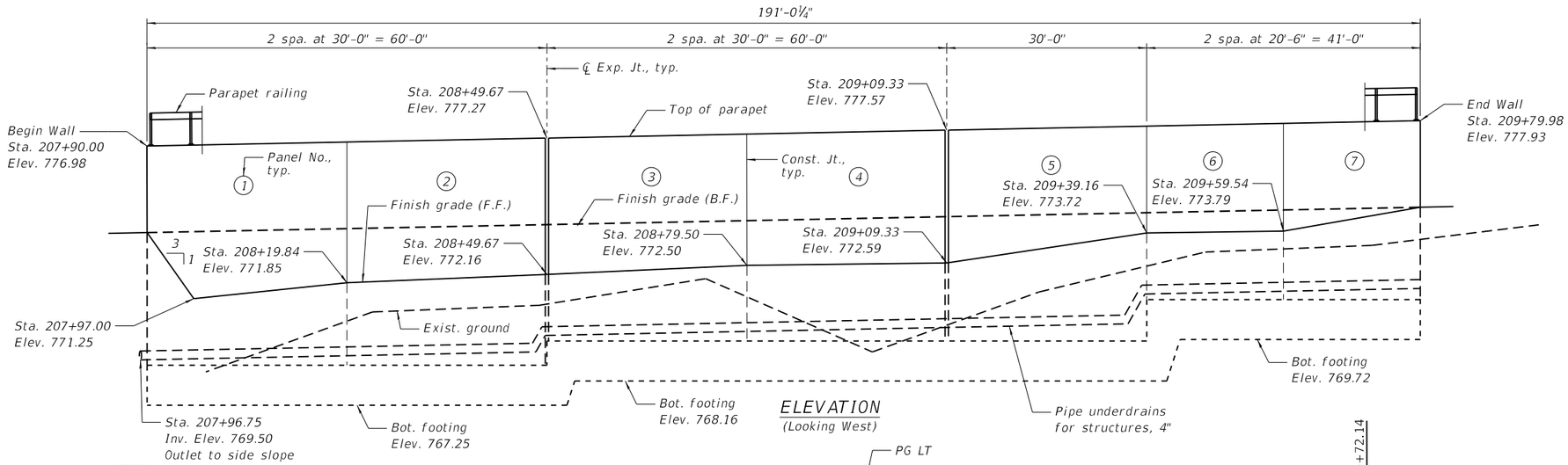
Benchmark: C.P. #370 – #5 rebar in grass parkway, Sta. 206+50.54, Offset 9.08' Rt., Elev. 770.72

Existing Structure: None

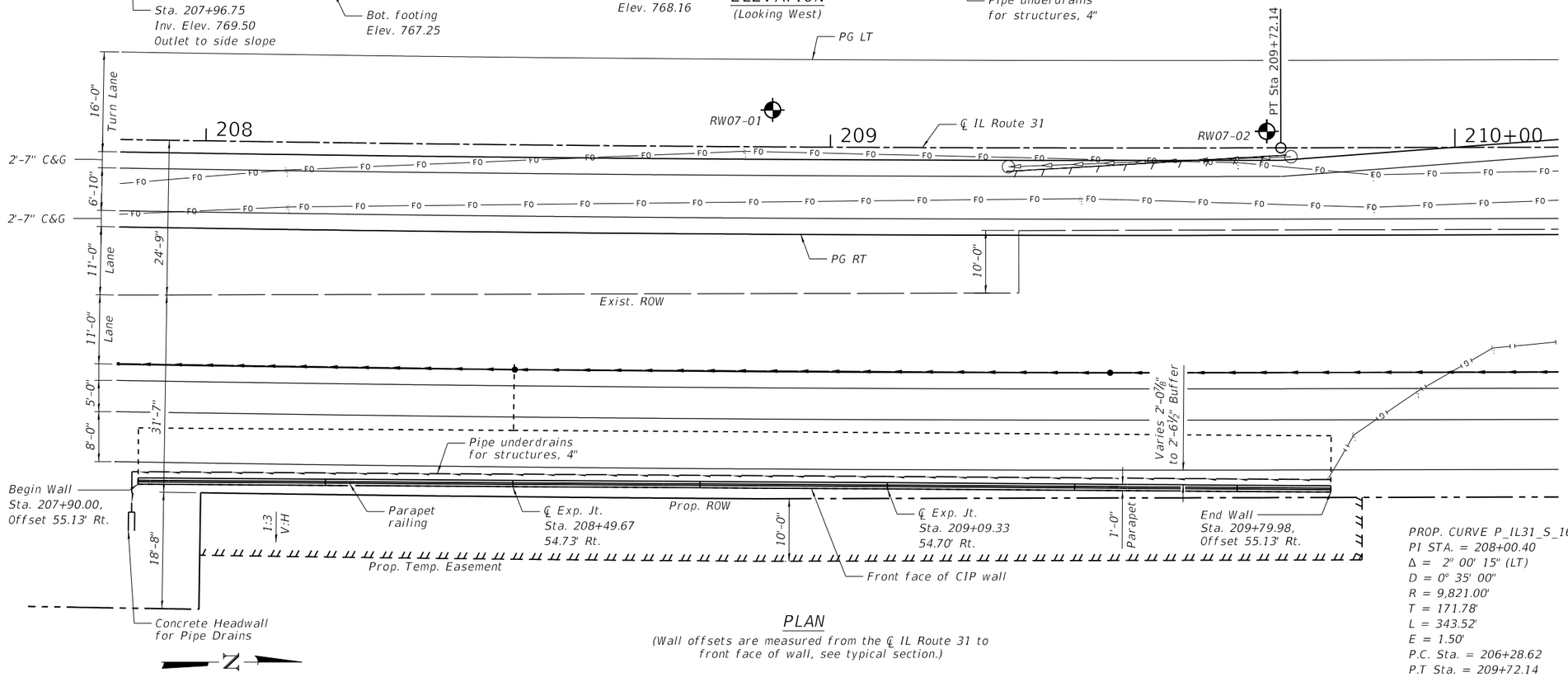
One lane of traffic in each direction to be maintained using staged construction. Wall to be constructed in Stage 1.

STA. 207+90.00 TO STA. 209+79.98
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 336A – SEC. 2019-196-W&R
HL-93 LOADING
STR. NO. 056-W304

NAME PLATE
See Std. 515001



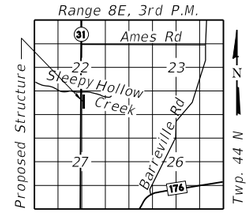
ELEVATION
(Looking West)



PLAN
(Wall offsets are measured from the ℄ IL Route 31 to front face of wall, see typical section.)

LEGEND

⊕	Soil Boring
——→——	Prop. Storm Sewer
C&G	Curb & Gutter, Type B-6.24
—FO——	Exist. Fiber Optic
—G——	Exist. Underground Gas
B.F.	Back Face
F.F.	Front Face



LOCATION SKETCH

PROP. CURVE P_IL31_S_16
PI STA. = 208+00.40
Δ = 2° 00' 15" (LT)
D = 0° 35' 00"
R = 9,821.00'
T = 171.78'
L = 343.52'
E = 1.50'
P.C. Sta. = 206+28.62
P.T Sta. = 209+72.14

GENERAL PLAN & ELEVATION
RETAINING WALL RW31-07 – IL ROUTE 31
F.A.P. 336A – SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 207+90.0 TO STA. 209+79.98
STRUCTURE NO. 056-W307

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
	CHECKED - AMK	REVISED -		
PLOT SCALE = 20.0000 ' / in.	DRAWN - RMH	REVISED -		
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		SHEET SA-13 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	635
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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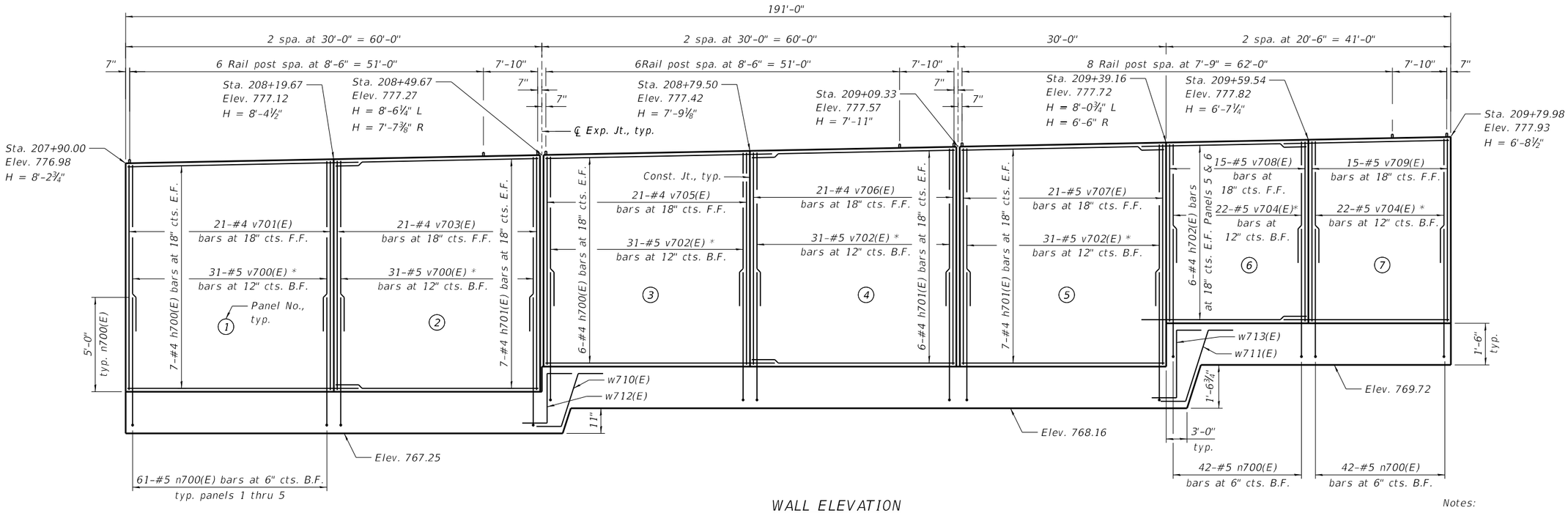


WALL ELEVATION

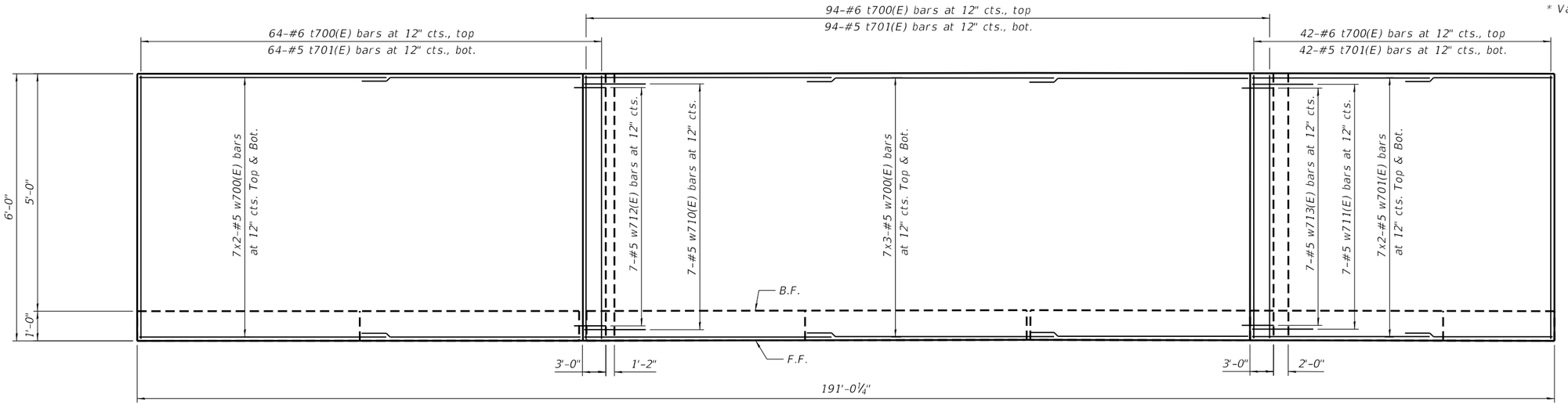
MIN. BAR LAPS

#4 bars = 2'-11"
#5 (Horiz.) bars = 3'-7"
#5 (Vert.) bars = 3'-2"
#6 bars = 3'-10"

Notes:

1. Bars indicate 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.
2. See sheet SA-17 of SA-28 for Parapet Railing details.

* Vary lap as needed.



FOOTING PLAN

PATRICK a aja company	USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RW31-07 - DETAILED PLAN AND ELEVATION STRUCTURE NO. 056-W307
		CHECKED - AMK	REVISED -		SHEET SA-14 OF SA-28 SHEETS
	PLOT SCALE = 16.0000 ' / in.	DRAWN - RMH	REVISED -		
	PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	636
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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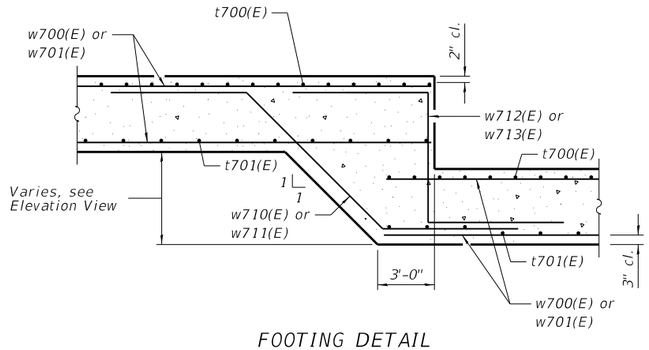
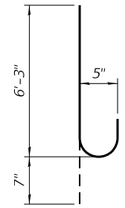
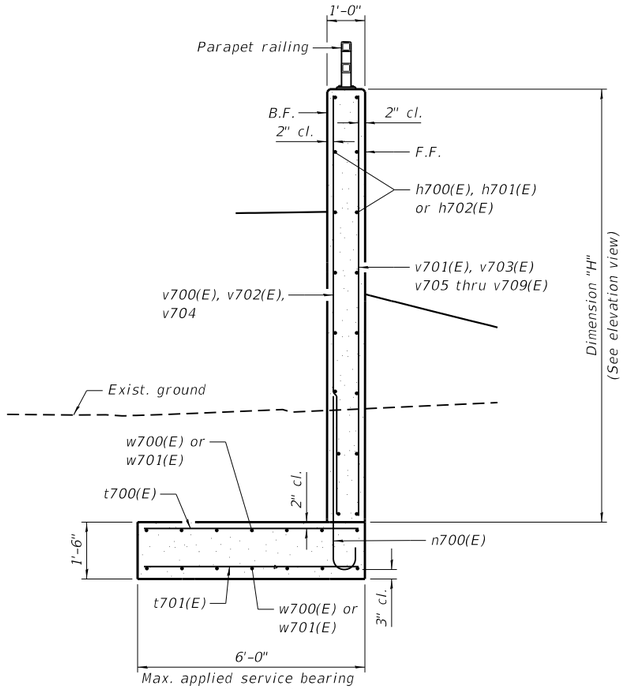


FOOTING DETAIL

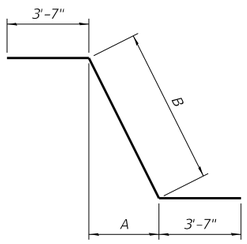


BARS n700(E)



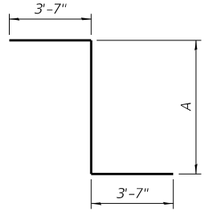
Max. applied service bearing pressure, Qmax = 2.04 ksf

WALL SECTION



Bar	A	B
w710(E)	2'-0"	2'-10"
w711(E)	2'-7"	3'-8"

BARS w710(E), w711(E)



Bar	A
w713(E)	2'-0"
w714(E)	2'-7"

BARS w713(E), w714(E)

RW31-07 BILL OF MATERIALS

Bar	No.	Size	Length	Shape
h700(E)	26	#5	33'-7"	——
h701(E)	40	#5	29'-8"	——
h702(E)	24	#5	24'-1"	——
n700(E)	419	#5	6'-10"	홍
t700(E)	200	#6	5'-8"	——
t701(E)	200	#5	5'-8"	——
v700(E)	62	#5	6'-6"	——
v701(E)	21	#5	7'-11"	——
v702(E)	93	#5	6'-0"	——
v703(E)	21	#5	8'-1"	——
v704(E)	44	#5	4'-8"	——
v705(E)	21	#5	7'-4"	——
v706(E)	21	#5	7'-5"	——
v707(E)	21	#5	7'-7"	——
v708(E)	15	#5	6'-2"	——
v709(E)	15	#5	6'-4"	——
w700(E)	70	#5	33'-4"	——
w701(E)	28	#5	22'-2"	——
w710(E)	7	#5	10'-0"	훨
w711(E)	7	#5	10'-10"	훨
w712(E)	7	#5	9'-2"	훨
w713(E)	7	#5	9'-9"	훨
Structure Excavation			Cu Yd	116
Protective Coat			Sq Yd	91
Concrete Structures (Retaining Wall)			Cu Yd	120
Reinforcement Bars, Epoxy Coated			Pound	14,250
Parapet Railing			Foot	188
Name Plates			Each	1
Granular Backfill For Structures			Cu Yd	43
Geocomposite Wall Drain			Sq Yd	64
Pipe Underdrains For Structures 4"			Foot	194
Concrete Headwalls For Pipe Drains			Each	1

Notes:

1. Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.
2. See sheet SA-17 of SA-28 for Parapet Railing details.

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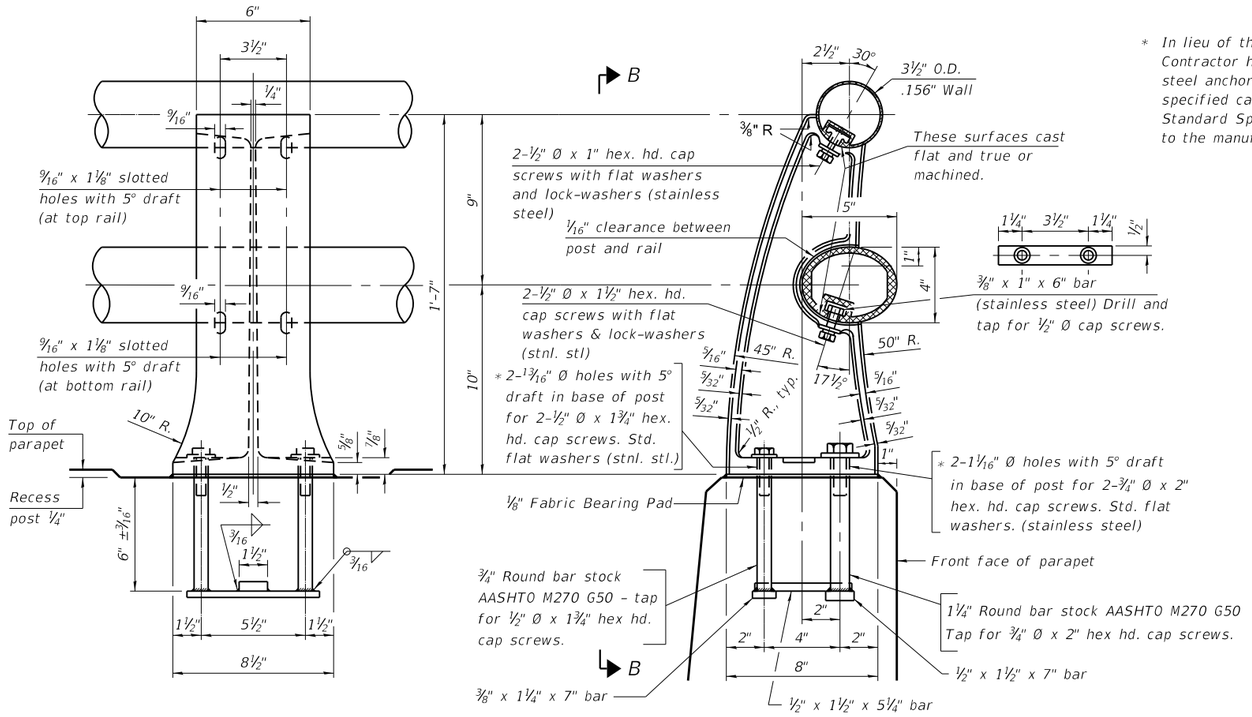
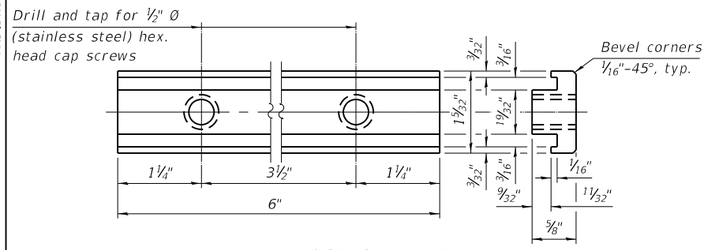


* In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

VIEW B-B

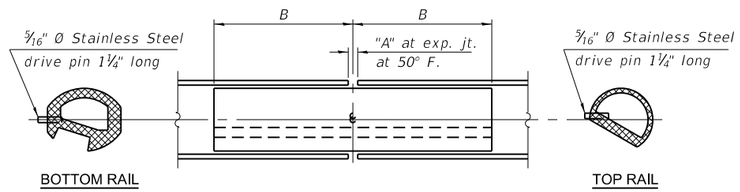
SECTION A-A

RAIL POST DETAILS



RAIL POST CLAMP BAR

For Top Rail



RAIL SPLICE

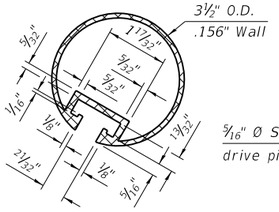
RAILING CRITERIA

NCHRP 350 Test Level	4
Post Spacing Range	7'-0" - 10'-0"
Rail Weight (plf)	40

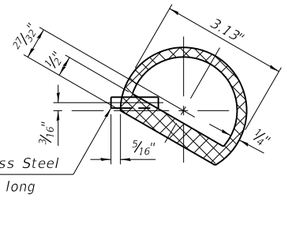
SPLICE DIMENSIONS

Location	T	A	B
All locs. not over exp. jts.	0	⅜"	1'-2"
Over Strip Seal Jt.	≤4"	2½"	1'-2"
Over Finger or Modular Jt.	≤9½"	5½"	1'-7¾"
Over Finger or Modular Jt.	≤15"	8¼"	2'-1¼"

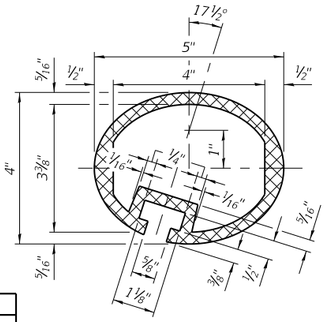
T = ; total movement along centerline of roadway at expansion joint.



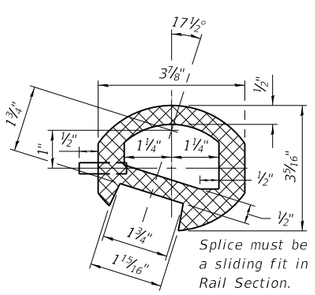
SECTION THRU TOP RAIL



SECTION THRU TOP RAIL SPLICE

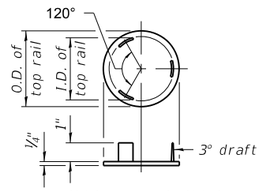


SECTION THRU BOTTOM RAIL



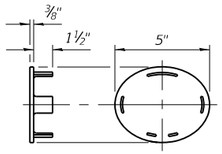
SECTION THRU BOTTOM RAIL SPLICE

Note: The end rail post shall be set back as required for the terminal rail section.



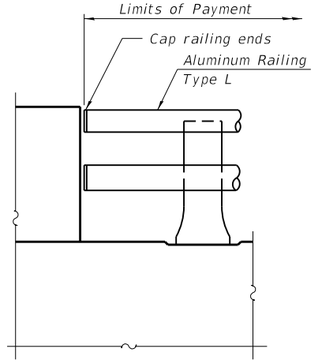
CAST END CAP

For top rail
Drive Fit Type



CAST END CAP

For bottom rail
Drive Fit Type



RAIL END TREATMENT

Notes:

All Posts shall be normal to parapet.

All joints in rail shall be spliced per detail.

All exposed rail ends shall be capped per detail.

Provide 1-⅛" and 2-1/16" Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade, high spots shall be ground and low spots shimmed.

Place reinforcement bars to miss anchor rod locations.

See sheet of for rail post spacing.

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALUMINUM RAILING, TYPE L ILLINOIS ROUTE 31	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		SHEET SA-16 OF SA-28 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	638
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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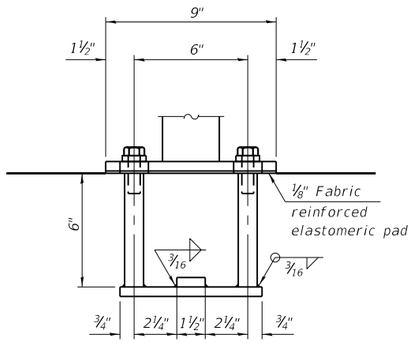
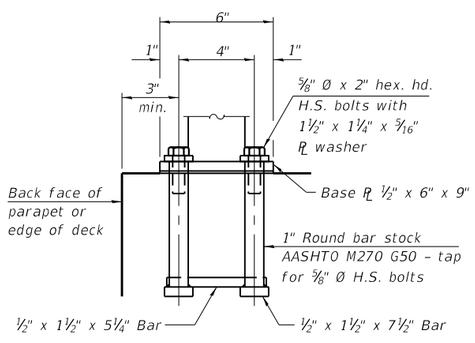
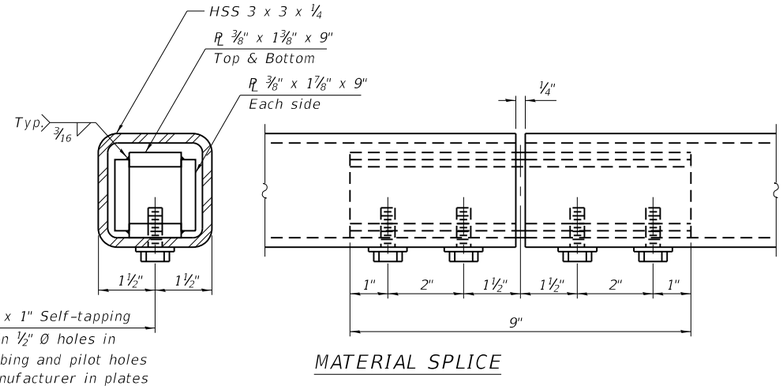




ANCHORAGE ASSEMBLY

The Bicycle Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates.

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



MATERIAL SPLICE

Notes:

Place reinforcement bars to miss anchor rod locations.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.

All base plates used for the Paraper Railing shall be AASHTO M270 grade 50.

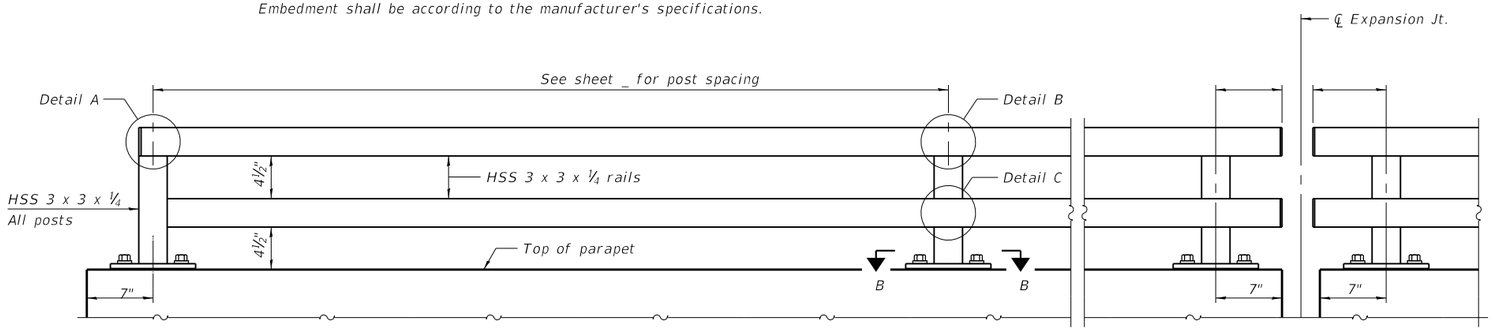
All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

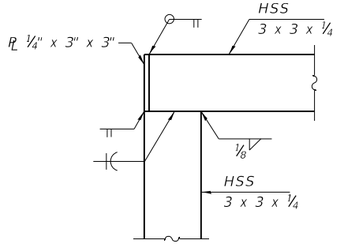
Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

When the contract specifies a galvanized railing, all steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. When the contract specifies a painted railing, all posts, rail, splices, anchor devices and plates of the railing shall be painted according to the paint system for railings as specified in the General Notes.

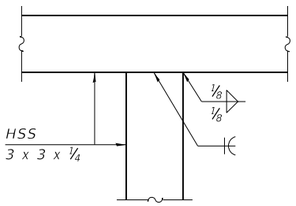


ELEVATION PARAPET RAILING

(Inside face)



DETAIL A



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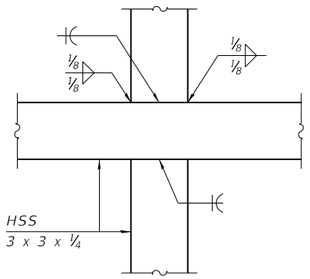
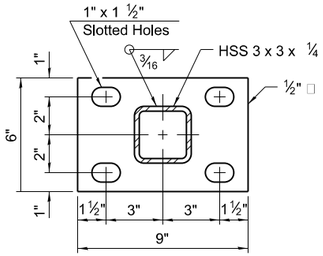
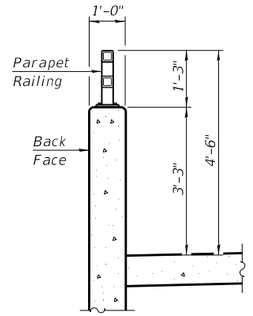


DETAIL C



SECTION B-B



SECTION THRU RAILING

RAILING CRITERIA

MASH 2016 Test Level	4
Parapet Railing Weight (plf)	25
Max Post Spacing	10'-0"

MODEL: Default
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USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PARAPET RAILING ILLINOIS ROUTE 31	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		SHEET SA-17 OF SA-28 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	639
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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SOIL BORING LOG

Date 11/4/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039115.448,996839.678

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-04
Station 179+95
Offset 1.00ft LT
Ground Surface Elev. 826.36 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 817.9 ft
Upon Completion Caved @ 6' ft
After Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (12")				
825.36				
Dense, brown SAND AND GRAVEL FILL, trace light gray aggregate. Moist.		11		
		11		5.7
		21		
823.36				
Medium dense, light brown SANDY LOAM FILL, little gravel, trace brick and concrete. Moist.		6		
		8		10.1
	-5	10		
		6		
		6		7.0
		4		
818.36				
Loose, light brown SANDY LOAM FILL, little gravel, trace brick and concrete. Wet.		2		
		3		12.1
	-10	2		
815.86				
Loose, black ORGANIC CLAY FILL. Moist. Organic content=7.4%		2		
		2		81.6
		2		
812.36				
Loose, brown and greenish gray SILTY CLAY LOAM, trace gravel. Moist.		2		15.1
	-15	4		
810.86				
Medium dense, brown and greenish gray SILTY CLAY LOAM, trace gravel. Moist.		3		
		8		15.2
		10		
808.36				
Very stiff, greenish gray CLAY, trace gravel. Moist.		4		
		6		12.0
	-20	7	3.7	
805.86				B
Hard, gray CLAY, trace gravel and cobbles. Moist.		5		
		6		15.4
		8	4.6	
				B
		4		
		6		18.8
801.36	-25	8	4.1	
End of Boring @ 25'.				B
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/8/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 3 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039144.545,996872.252 (offset 4' W)

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE (D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 3
Station 180+25 to 182+77 54' RT

BORING NO. RW03-01
Station 180+24
Offset 32.00ft RT
Ground Surface Elev. 824.49 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense, brown SANDY LOAM, trace gravel. Moist.		4		
		5		9.1
		8		
821.49				
Medium dense, brown SANDY LOAM, little gravel. Moist.		5		
		4		9.4
	-5	9		
		5		
		4		8.5
		4		
		3		
		3		10.1
814.49	-10	4		
End of Boring @ 10'.				
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 1
ILLINOIS ROUTE 31
SHEET SA-18 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	640
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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SOIL BORING LOG

Date 11/8/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 3 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039225.373,996871.54 (offset 14N, 4W)

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE(D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 3
Station 180+25 to 182+77 54' RT

BORING NO. RW03-02
Station 181+05
Offset 31.00ft RT
Ground Surface Elev. 822.83 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After _____ Hrs. Filled ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose, brown SANDY LOAM, trace gravel. Moist.		5		
		4		10.2
		3		
819.83				
Medium dense, brown SANDY LOAM, little gravel. Moist.		3		
		5		11.5
	-5	6		
817.33				
Loose, brown SANDY CLAY LOAM, little gravel. Moist.		3		
		4		9.5
		3		
814.83				
Medium dense, yellowish brown and brown SANDY CLAY LOAM, some gravel. Moist.		2		
		4		15.8
812.83	-10	7		
End of Boring @ 10'.	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/8/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 3 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039306.93,996878.684 (offset 4' W)

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE(D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 3
Station 180+25 to 182+77 54' RT

BORING NO. RW03-03
Station 181+86
Offset 39.00ft RT
Ground Surface Elev. 813.71 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After 48 Hrs. Dry ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose, brown SANDY LOAM, little gravel. Moist.		4		
		3		14.1
		2		
810.71				
Loose, brown SANDY CLAY LOAM, little gravel. Moist.		2		
		2		11.7
	-5	3		
808.21				
Stiff, brown CLAY, trace gravel. Moist.		2		
		2		23.7
		4	1.8 B	
805.71				
Medium dense, brown SANDY LOAM, little gravel. Moist.		4		
		7		8.7
803.71	-10	6		
End of Boring @ 10'.	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 2 ILLINOIS ROUTE 31	F.A.P. RTE. 336A | SECTION 2019-196-W&R | COUNTY McHENRY | TOTAL SHEETS 835 | SHEET NO. 641
	CHECKED - AMK	REVISED -		SHEET SA-19 OF SA-28 SHEETS	CONTRACT NO. 62K69
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -			ILLINOIS | FED. AID PROJECT
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -			

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SOIL BORING LOG

Date 11/8/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 3 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039390.062,996878.647 (offset 4' W)

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE (D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 3
Station 180+25 to 182+77 54' RT

BORING NO. RW03-04
Station 182+70
Offset 39.00ft RT
Ground Surface Elev. 809.57 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense, brown SANDY LOAM, little gravel . Moist.		5		
		5		6.5
		12		
806.57				
Loose, brown SANDY CLAY LOAM, little gravel. Moist.		4		
		3		25.1
	-5	2		
804.07				
Dense, brown and gray SAND, little gravel. Moist.		7		
		11		7.2
		31		
801.57				
Very dense, brown and gray SAND, little gravel. Moist.		12		
		35		3.6
799.57	-10	33		
End of Boring @ 10'.				
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/11/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040301.835,996826.613

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-01
Station 191+81
Offset 17.00ft LT
Ground Surface Elev. 781.54 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 768.0 ft
Upon Completion 776.1 ft
After 24 Hrs. 776.6 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (8")				
780.88				
STONE (4")				
780.54				
Loose, black SILTY LOAM FILL, trace of roots and cobbles. Moist.		2		
		4		24.2
		3		
778.54				
Very loose, black PEAT, trace pieces of brick. Moist. Organic content=25.9%		2		
		1		56.5
	-5	2		
776.04				
Very loose, gray SILTY CLAY, trace roots. Moist.		1		
		1		29.8
		1		
		1		
		1		33.6
	-10	1		
		1		
		1		29.4
		1		
768.54				
Medium dense, gray SAND AND GRAVEL, some cobbles. Wet.		7		
		8		13.0
766.54	-15	10		
End of Boring @ 15'.				
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 3
ILLINOIS ROUTE 31
SHEET SA-20 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	642
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

Date 11/11/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040371.076,996827.061 (offset 7' E)

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-02
Station 192+50
Offset 17.00ft LT
Ground Surface Elev. 780.94 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 771.9 ft
Upon Completion 771.4 ft
After ____ Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (13") 779.86			
STONES (2") 779.69	5		
Loose, brown SAND FILL, trace gravel. Moist.	5		9.7
	4		
777.94			
Loose, black PEAT, trace roots. Moist.	3		
Organic content=73.4%	2		672.2
-5	3		
775.44			
Very loose, black PEAT, trace roots. Moist.	1		
Organic content=57.1%	1		119.1
	2		
772.94			
Very loose, gray CLAY LOAM . Wet.	1		
-10	1		65.7
	1		
	1		
	1		45.7
767.94			
Medium dense, gray CLAY LOAM . Moist.			
766.44			
Medium dense SAND. Wet. 765.94 -15	5		
End of Boring @ 15'.	5		34.7
-20	10		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/11/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040465.419,996825.847 (offset 8' E)

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-03
Station 193+45
Offset 18.00ft LT
Ground Surface Elev. 779.96 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 770.5 ft
Upon Completion 770.1 ft
After ____ Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (12") 778.96			
CONCRETE (2") 778.79	25		
Loose, light brown SAND AND GRAVEL FILL, trace cobbles. Moist.	5		2.7
	2		
776.96			
Loose, black PEAT FILL, trace roots. Moist.	4		
Organic content=37%	2		48.5
-5	5		
774.46			
Very loose, black PEAT FILL, trace roots. Moist.	2		
Organic content=35.6%	2		124.3
	1		
771.96			
Very loose, greenish gray organic SILTY CLAY LOAM. Moist.	1		
770.46	1		47.1
-10 Very loose, greenish gray organic SILTY CLAY LOAM. Wet. Organic Content=3.5%	1		
	1		
	0		104.8
	1		
766.96			
Loose, greenish gray,organic SILTY CLAY. Wet.	0		
765.36	1		61.4
Loose, light gray SAND. Moist. 764.96 -15	8		
End of Boring @ 15'.			
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 4
ILLINOIS ROUTE 31
SHEET SA-21 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	643
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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SOIL BORING LOG

Date 10/16/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040390.561,996789.343

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-02A
Station 192+70.1
Offset 54.40ft LT
Ground Surface Elev. 777.57 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 766.6 ft
Upon Completion Mud rotary ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
776.90				TOPSOIL (8")
776.07	1			Crumbly, black organic CLAY, trace roots, moist
	2		26.9	Moisture =106.1%
	2			Organic content=37.8%
774.57				Loose gray SILTY LOAM, trace gravel, moist
	1			Very soft, greenish gray CLAY, moist
	0		39.8	
-5	0	<0.25 P		
772.07				Very soft, brown PEAT, moist
771.07	1			Moisture= 148.1%
	0		87.5	Organic content= 19.2%
	0	<0.25 P		Very soft gray SANDY CLAY LOAM, moist
769.57				Very soft, gray SILTY CLAY LOAM, low plasticity, moist
	P			Shelby tube @8.5-10.5'
	U		62.0	Organic content=7.9%
-10	S H	0.0 P		
767.07				Very soft, brownish gray SILTY CLAY LOAM, moist
	0			
	0		54.5	
	0	<0.25 P		
764.57				Very soft, brownish gray SILTY CLAY, moist
	0			Organic content=5.8%
	0		74.7	
-15	1	<0.25 P		
	0			
	0		74.6	
	0	<0.25 P		
759.57				Very soft, brownish gray SILTY CLAY, some gravel, moist
	4			
	11		19.3	
-20	11	<0.25		
		P		
756.07	1			Very soft, brownish gray SILTY CLAY, some gravel, moist *(continued)*
	4		17.3	Moisture=51%
	5			Loose, gray SAND AND GRAVEL, wet
754.57				Medium dense, gray, coarse to fine SANDY LOAM AND GRAVEL, wet
	11			
	6		10.3	
-25	8			
752.07				Hard, brownish gray SANDY CLAY, little gravel, moist
751.07	9			
	7		8.8	Medium dense, gray SAND AND GRAVEL, moist
	10			
749.57				Medium dense, gray, medium to fine SANDY LOAM AND GRAVEL, moist
	12			
	10		8.9	
-30	8			
745.57				Dense, grayish brown SILTY LOAM, some gravel, wet
	13			
	17		18.0	
-35	17			
740.57				Very stiff, brownish gray SILTY CLAY LOAM, moist
	8			
	5		20.6	
-40	9	2.1		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/16/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040390.561,996789.343

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-02A
Station 192+70.1
Offset 54.40ft LT
Ground Surface Elev. 777.57 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 766.6 ft
Upon Completion Mud rotary ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
		B		Very stiff, brownish gray SILTY CLAY LOAM, moist *(continued)*
733.57	8			
	12		29.0	Medium dense, brownish gray, coarse to fine SANDY LOAM AND GRAVEL, wet
-45	11	2.0 P		
730.57				Dense, brownish gray, SILTY LOAM, wet
	13			
	19		19.7	
-50	22			
725.57				Medium dense, brownish gray SILT, wet
	8			
	9		18.3	
722.57 -55	11			End of boring @ 55.0'
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/16/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040481.261,996791.665

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-03A
Station 193+60.6
Offset 52.60ft LT
Ground Surface Elev. 777.12 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (10")				
776.32				
Crumbly, black organic CLAY, trace roots, moist		2		
		1		106.5
		2		
774.12				
Very soft, light gray CLAY, moist Organic content=6.9%		1		
		1		46.4
	-5	1	<0.25 P	
771.62				
Soft, light gray CLAY, moist		1		
		1		37.3
		1	0.5 B	
769.12				
Very soft, gray CLAY, medium plasticity, moist Shelby tube @8.5-10.5'		P		
	-10	U S H	0.2 B	48.6
766.62				
Very soft, light gray SILTY CLAY LOAM, moist Organic content=6.2%		0		
		1		70.0
		0	0.2 B	
764.12				
Very soft, gray SILTY CLAY LOAM, moist		1		
		2		53.3
	-15	1	<0.25 P	
761.62				
Soft, gray SILTY CLAY, moist		1		
		2		24.6
		4	0.5 B	
759.12				
Medium stiff, gray CLAY, some gravel, moist		2		
		4		22.5
	-20	13	0.7	
756.62				
Medium dense, gray SAND AND GRAVEL, wet Moisture=8.8%		11		
755.62				
Very stiff, gray CLAY, moist		8	3.9 S	
		6		21.9
754.12				
Medium dense, gray coarse to fine SANDY LOAM AND GRAVEL, moist		8		
		9		11.9
	-25	7		
751.62				
Loose, gray, medium to fine SANDY LOAM AND GRAVEL, moist		4		
		5		9.7
		4		
749.12				
Medium dense, gray coarse to fine SANDY LOAM AND GRAVEL, moist		2		
		4		13.7
	-30	10		
745.12				
Medium dense, grayish brown fine SANDY LOAM, moist		14		
		12		18.3
	-35	12		
740.12				
Stiff, grayish brown SILTY CLAY LOAM, moist Atterberg Limits		4		
		5		20.9
	-40	5	1.4	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/16/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040481.261,996791.665

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger/Mud Rotary HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-03A
Station 193+60.6
Offset 52.60ft LT
Ground Surface Elev. 777.12 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, grayish brown SILTY CLAY LOAM, moist Atterberg Limits *(continued)*			B	
735.12				
Medium dense, gray coarse to fine SANDY LOAM AND GRAVEL, moist		9		
		8		13.5
	-45	11		
730.12				
Medium dense, grayish borwn SILT, wet		6		
		9		9.6
	-50	8	2.2 B	
		9		
		14		20.7
722.12	-55	11		
End of boring @55.0'				
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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	CHECKED - AMK	REVISED -	
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -	
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 6
ILLINOIS ROUTE 31
SHEET SA-23 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	645
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

Date 10/20/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040304.699,996789.316

COUNTY Mc Henry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-HA01
Station 191+84.0
Offset 54.00ft LT
Ground Surface Elev. 777.28 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 771.3 ft
Upon Completion 772.4 ft
After <24 Hrs. 775.7 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (7") 776.70		P		
Very soft, dark brown with black mottling organic CLAY LOAM, low plasticity, moist		U S H	<0.25 P	64.2
Organic content=11.3% 775.28		P		
Very soft, brown with black, gray and orange mottling CLAY, trace organcis, medium plasticity, moist 773.28		U S H	<0.25 P	49.2
No recovery	-5	P		
		U S H		
771.28		P		
Very soft, greenish gray CLAY, trace organics, medium plasticity, wet 769.28		U S H	<0.25 P	46.0
Very soft, greenish gray CLAY, medium plasticity, wet	-10	P		
		U S H	<0.25 P	38.2
Organic content=4.4% LL=42%, PI=21% 765.28		P		
		U S H	<0.25 P	62.7
Very soft, gray CLAY, trace organics, medium plasticity, wet 762.78		P		
		U S H	<0.25 P	37.4
Gray GRAVEL, wet	-15	P		
761.28		U S H		34.4
End of boring @ 16.0'	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/25/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040343.621,996791.653

COUNTY Mc Henry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-HA02
Station 192+22.9
Offset 51.90ft LT
Ground Surface Elev. 777.04 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 771.0 ft
Upon Completion 775.0 ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (6") 776.54		P		
Very soft, brown CLAY, medium plasticity, moist		U S H	<0.25 P	47.7
775.04		P		
Brownish gray SILT, moist		U S H		17.4
773.04		P		
Very soft, light gray CLAY, medium plasticity, moist	-5	U S H	<0.25 P	43.6
771.04		P		
Very soft gray SILTY CLAY, medium plasticity, wet		U S H	<0.25 P	56.1
769.04		P		
Very soft, gray CLAY, medium plasticity, wet Organic content=4.6%	-10	U S H	<0.25 P	64.0
		P		
		U S H	<0.25 P	28.4
765.04		P		
Gray, coarse to fine SANDY LOAM, little gravel, wet		U S H		12.0
	-15	P		
		U S H		9.4
761.04				
End of boring @16.0'	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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	CHECKED - AMK	REVISED -	
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -	
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 7
ILLINOIS ROUTE 31
SHEET SA-24 OF SA-28 SHEETS

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	646
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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SOIL BORING LOG

Date 10/16/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040416.106,996789.011

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-HA03
Station 192+95.4
Offset 54.90ft LT
Ground Surface Elev. 777.45 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 766.5 ft
Upon Completion 766.5 ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (10") 776.62				
Loose, gray with brown motling SILTY LOAM, wet		1		
		1 2 2		25.2
773.45		2		
Very loose, gray with brown motling SILTY LOAM, wet	-5	1 1 1		26.4
770.45				
Gray SANDY LOAM, moist		P		
Shelby tube @8-10'		U S H		98.8
767.45	-10	0		
Very loose, greenish gray SANDY LOAM, moist		0 0 0		115.1
764.45				
Very soft, brownish gray CLAY, medium plasticity, moist		1		
	-15	1 0 0	<0.25 P	60.1
761.45				
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/16/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 4 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2040450.733,996789.961

COUNTY Mc Henry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 4
Station 191+75 to 193+61 49' LT

BORING NO. RW04-HA04
Station 193+30.0
Offset 54.10ft LT
Ground Surface Elev. 777.33 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 765.3 ft
Upon Completion 765.6 ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (10") 776.50				
Loose, brownish gray SILTY LOAM, moist		2		
		2 3 2		24.1
772.33	-5			
Very soft, black PEAT, moist, Moisture=114.5%,Organic content=40%				
Shelby tube @6-8' 770.83		P		
Very soft, gray SILTY CLAY, low plasticity, moist Organic content=3.4% Compression Index= 0.292 769.33		U S H	0.2 B	34.3
		1		
Very loose, greenish gray SANDY LOAM, wet Organic content=4.3%		1 0 0		117.9
766.33	-10			
Very soft, gray CLAY, medium plasticity, moist		1		
764.83				
Loose, greenish gray SANDY LOAM, wet		1 2 6		36.7
763.33				
Soft, gray CLAY, medium plasticity, moist Organic content=5.1%	-15	1 1 0	0.5 B	58.5
761.33				
End of boring @16.0'				
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = bwitort	DESIGNED - EMA	REVISED -	
	CHECKED - AMK	REVISED -	
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -	
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 8
ILLINOIS ROUTE 31
SHEET SA-25 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	647
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: C:\SHT-056W000-62K69-sboring-SA25.dgn
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SOIL BORING LOG

Date 11/11/21

ROUTE IL 31 **DESCRIPTION** Box Culvert No. 2 SN 056-0100 **LOGGED BY** Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 **LOCATION** 2040349.072,996826.578 (offset 5' E)

COUNTY McHenry **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** D50 Auto (93% efficiency)

STRUCT. NO. Box Culvert No. 2 SN 056-0100
Station IL 31 Stn. 192+48

BORING NO. CUL02-01
Station 192+29
Offset 17.00ft LT
Ground Surface Elev. 781.05 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 769.1 ft
Upon Completion 773.3 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (11") 780.13			
Medium stiff, greenish gray SANDY CLAY LOAM, trace gravel. Moist.	4		
	5		14.3
	3	0.5 P	
	5		
	4		16.7
-5	2	0.3 P	
775.55 Very soft, gray CLAY, trace roots. Moist.	1		
	1		44.8
	1	0.0 P	
▽	1		
Very soft	1		46.2
-10	1	0.0 P	
	1		
Very soft ▼	3		40.4
	5	0.0 P	
768.05 Medium dense, gray, SANDY LOAM, some gravel, wet	6		
	7		10.3
-15	7		
	8		
Medium dense, little gravel	7		15.4
	9		
	6		
Medium dense	7		15.2
End of boring 20'. 761.05 -20	8		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/10/21

ROUTE IL 31 **DESCRIPTION** Retaining Wall No. 6 **LOGGED BY** Vianney

SECTION IL 120 to IL 176 PTB 195-015 **LOCATION** 2041040.409,996881.449

COUNTY Mc Henry **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 6
Station 199+22 to 200+60 56' RT

BORING NO. RW06-01
Station 199+20
Offset 36.00ft RT
Ground Surface Elev. 776.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (6") 775.50			
Loose, black and brown SILTY CLAY LOAM, trace gravel. Moist.	3		
	4		21.9
	3		
773.00 Medium stiff, very dark brown and black CLAY LOAM, trace gravel. Moist. Organic Content= 5.4%	2		
	2		38.6
-5	3	0.5 P	
770.50 Stiff, brown and gray CLAY LOAM, trace gravel. Moist.	1		
	2		15.8
	3	1.5 P	
768.00 Very soft, yellowish brown CLAY LOAM. Moist.	3		
	1		20.0
-10	3		
	2		
	2		22.1
	2		
763.00 Medium stiff, yellowish brown CLAY LOAM. Moist.	2		
	2		22.4
-15	3	0.8 P	
760.50 Very soft, grayish brown CLAY LOAM. Moist.	2		
	2		25.0
	4		
758.00 Medium stiff, grayish brown CLAY LOAM. Moist.	2		
-20	2		24.7

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium stiff, grayish brown CLAY LOAM. Moist. *(continued)*			
	2		
	3		22.7
	4		
	2		
	2		24.6
751.00 -25	4		
End of Boring @ 25'.			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = bwitort	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 9 ILLINOIS ROUTE 31	F.A.P. RTE. 336A | SECTION 2019-196-W&R | COUNTY McHENRY | TOTAL SHEETS 835 | SHEET NO. 648
	CHECKED - AMK	REVISED -			CONTRACT NO. 62K69
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -		SHEET SA-26 OF SA-28 SHEETS	ILLINOIS | FED. AID PROJECT
PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -			

MODEL: Default
FILE NAME: C:\-SHT-056W000-62K69-boring-SA26.dgn
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SOIL BORING LOG

Date 11/10/21

ROUTE IL 31 **DESCRIPTION** Retaining Wall No. 5 **LOGGED BY** Vianney

SECTION IL 120 to IL 176 PTB 195-015 **LOCATION** 2040975.45,996878.358

COUNTY McHenry **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 5
Station 198+55 to 198+87 56' RT

BORING NO. RW05-01
Station 198+55
Offset 33.00ft LT
Ground Surface Elev. 776.38 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 767.9 ft
Upon Completion Not taken ft
After 24 **Hrs.** 770.1 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	6			Stiff, dark brown CLAY LOAM, trace gravel. Moist.
	8		24.0	
	5	1.8 P		
773.38				
	3			Loose, gray SILTY CLAY LOAM, trace gravel. Moist.
	4		15.6	
-5	3			
770.88				
	2			Soft, black PEAT, trace gravel. Moist.
	2		39.5	
	3	0.3 P		
768.38				
	2			Loose, gray SANDY LOAM, little gravel. Wet.
	4		16.4	
-10	5			
765.88				
	3			Very loose, gray SANDY LOAM, little gravel. Wet.
	1		17.4	
	2			
763.38				
	2			Soft gray CLAY LOAM, trace gravel, Wet.
	2		20.7	
-15	2	0.3 P		
760.88				
	3			Stiff, gray CLAY LOAM, trace gravel, Wet.
	5		21.7	
	4	1.9 B		
758.38				
	2			Soft gray CLAY LOAM, trace gravel, Wet.
	2		21.9	
-20	3			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Soft gray CLAY LOAM, trace gravel, Wet. *(continued)*
	3			
	2		22.8	
	2			
	3			
	3		23.7	
751.38 -25	4			
				End of Boring @ 25'.
-30				
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/22/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 7 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042010.776,996862.485 (offset 8' S)

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE(D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 7
Station 208+90 to 210+42 54' RT

BORING NO. RW07-01
Station 208+91
Offset 6.00ft LT
Ground Surface Elev. 771.90 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 764.9 ft
Upon Completion 761.9 ft
After _____ Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (6") 771.40			
Medium stiff, brown and black CLAY LOAM FILL, trace pieces of brick and concrete. Moist.	3		
	2		19.1
	2	0.5 P	
768.90			
Medium dense gray and reddish brown SILT FILL, trace gravel. Moist.	3		
	4		16.5
-5	6		
766.40			
Medium dense, brown SAND, trace cobbles and rock aggregate. Moist to Wet.	4		
▼	5		15.1
	9		
763.90			
Medium dense, gray and brown GRAVEL AND SAND, some cobbles. Wet.	6		
	8		10.7
▽ -10	9		
	4		
	5		12.9
	7		
	7		
	7		11.5
756.90 -15	8		
End of Boring @ 15'. Boring moved 8' south due to trees and utility line. Boring backfilled with soil cutting and bentonite.			
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/22/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 7 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042091.442,996865.739

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE(D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 7
Station 208+90 to 210+42 54' RT

BORING NO. RW07-02
Station 209+72
Offset 3.00ft LT
Ground Surface Elev. 772.27 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 765.3 ft
Upon Completion Not taken ft
After 72 Hrs. 764.3 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (6") 771.77			
Stiff, brown CLAY LOAM FILL, trace brick. Moist.	2		
	2		39.9
	4	1.8 P	
768.27			
Loose, brown and reddish brown SAND, trace cobbles. Moist.	3		9.0
-5	4		
766.77			
Loose, gray SAND, trace cobbles. Moist.	4		
765.27 ▼	4		17.2
Loose, gray SAND, trace cobbles. Wet. ▽	5		
	4		
	4		25.8
-10	5		
761.77			
Very loose, gray SAND, trace cobbles. Wet.	3		
	2		17.8
	3		
759.27			
Loose, gray SAND, trace cobbles. Wet.	3		
	3		15.2
757.27 -15	5		
End of Boring @ 15'.			
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 11
ILLINOIS ROUTE 31
SHEET SA-28 OF SA-28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	650
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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Benchmark: C.P. #340 – #5 rebar in grass parkway. Sta. 177+18, Offset 15' Lt., Elev. 842.83

Existing Structure: None

One lane of traffic in each direction to be maintained using staged construction. Wall to be constructed in Stage 2.

DESIGN STRESSES

FIELD UNITS

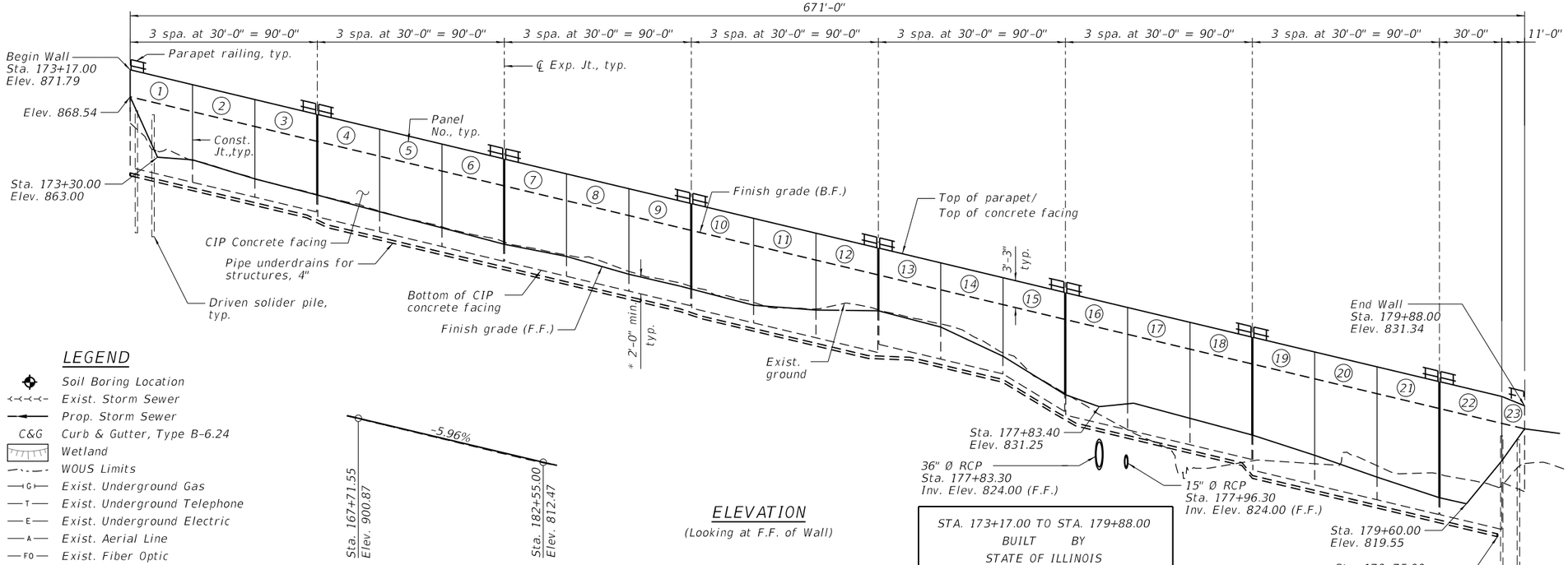
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

WALL ELEVATIONS

Panel (See note 2.)	Station	T/ Parapet Elev.	Finish grade (B.F.)	Finish grade (F.F)
1	173+17.00	871.79	868.54	868.54
2	173+47.00	870.00	866.75	860.96
3	173+77.00	868.21	864.96	858.67
4	174+07.00	866.42	863.17	856.72
5	174+37.00	864.64	861.39	854.71
6	174+67.00	862.85	859.60	852.76
7	174+97.00	861.06	857.81	850.80
8	175+27.00	859.27	856.02	849.34
9	175+57.00	857.49	854.24	847.19
10	175+87.00	855.70	852.45	845.44
11	176+17.00	853.91	850.66	843.45
12	176+47.00	852.12	848.87	842.91
13	176+77.00	850.34	847.09	842.78
14	177+07.00	848.55	845.30	840.83
15	177+37.00	846.76	843.51	837.31
16	177+67.00	844.97	841.72	832.68
17	177+97.00	843.19	839.94	831.59
18	178+27.00	841.40	838.15	829.77
19	178+57.00	839.61	836.36	827.82
20	178+87.00	837.82	834.57	825.39
21	179+17.00	836.04	832.79	822.76
22	179+47.00	834.25	831.00	820.28
23	179+77.00	832.46	829.21	824.73
23N	179+88.00	831.34	828.09	828.09



ELEVATION

(Looking at F.F. of Wall)

PROFILE GRADE – IL ROUTE 31

Along LT and RT PG's.

LEGEND

- Soil Boring Location
- Exist. Storm Sewer
- Prop. Storm Sewer
- C&G — Curb & Gutter, Type B-6.24
- Wetland
- WOUS Limits
- G — Exist. Underground Gas
- T — Exist. Underground Telephone
- E — Exist. Underground Electric
- A — Exist. Aerial Line
- FO — Exist. Fiber Optic
- B.F. — Back Face
- F.F. — Front Face
- LCCF — Lightweight Cellular Concrete Fill
- Limits of LCCF

STA. 173+17.00 TO STA. 179+88.00
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 336A – SEC. 2019-196-W&R
HL-93 LOADING
STR. NO. 056-W301

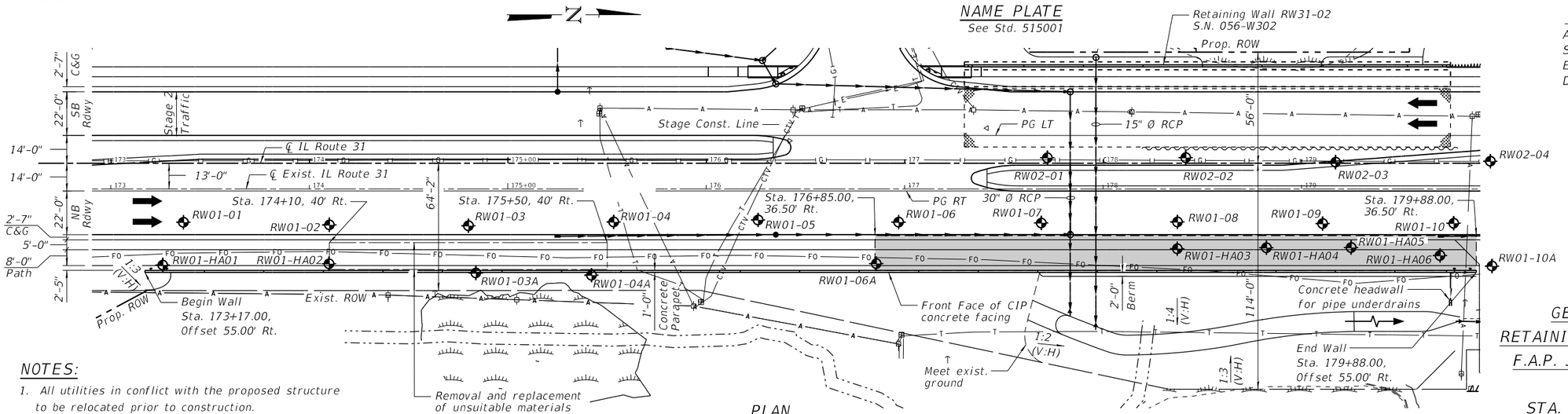
NAME PLATE

See Std. 515001

Engineer of Bridges & Structures

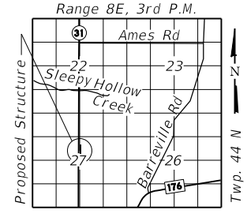
ARSALAN M. KHAN
081-006258
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

Arsalan M. Khan P.E., S.E.
State of Illinois No. 081.006258
Expires 11/30/2024
Date: 00/00/0000



PLAN

(Wall offsets are measured from the ℄ IL Route 31 to front face of CIP facing)



LOCATION SKETCH

NOTES:

1. All utilities in conflict with the proposed structure to be relocated prior to construction.
2. Stations and Elevations taken from front face of South side of the panel unless otherwise noted.

GENERAL PLAN & ELEVATION
RETAINING WALL RW31-01 – IL ROUTE 31
F.A.P. 336A – SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 173+17.00 TO STA. 179+88.00
STRUCTURE NO. 056-W301

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
	CHECKED - AMK	REVISED -			
PLOT SCALE = 60.00 ' / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			

SHEET SB-01 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	651
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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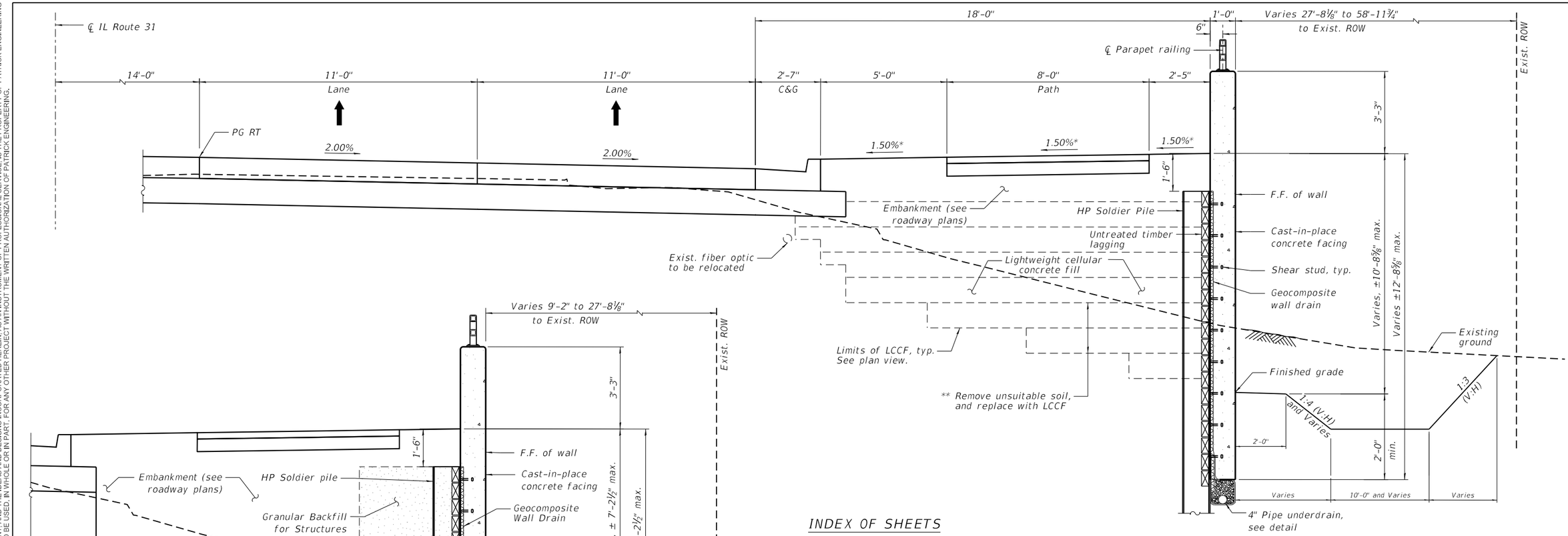


TYPICAL SECTION THRU LIGHTWEIGHT CELLULAR CONCRETE BACKFILL

Sta. 176+85.00 to Sta. 179+88.00
(Looking North)
* Transition to meet driveway at north end
** Limits of load balance treatment to be determined during final design.

TYPICAL SECTION THRU REGULAR BACKFILL

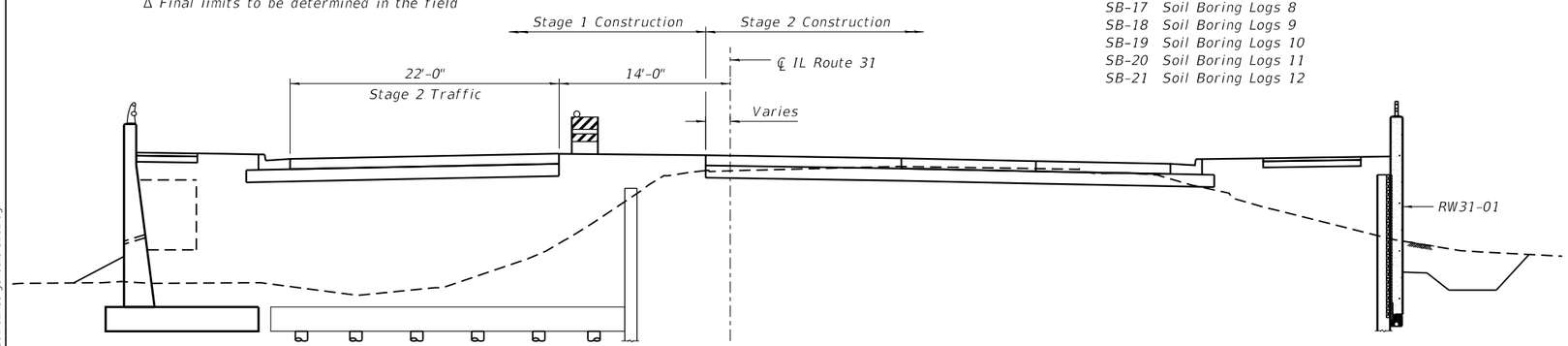
Sta. 173+17.00 to Sta. 176+85.00
(Looking North)
(Relevant backfill details shown only)
Δ Final limits to be determined in the field

INDEX OF SHEETS

SB-01 General Plan And Elevation
SB-02 General Data
SB-03 Detailed Plan And Elevation 1
SB-04 Detailed Plan And Elevation 2
SB-05 Detailed Plan And Elevation 3
SB-06 Detailed Plan And Elevation 4
SB-07 Soldier Pile Schedule
SB-08 Details And Bill Of Material
SB-09 Parapet Railing Details
SB-10 Soil Boring Logs 1
SB-11 Soil Boring Logs 2
SB-12 Soil Boring Logs 3
SB-13 Soil Boring Logs 4
SB-14 Soil Boring Logs 5
SB-15 Soil Boring Logs 6
SB-16 Soil Boring Logs 7
SB-17 Soil Boring Logs 8
SB-18 Soil Boring Logs 9
SB-19 Soil Boring Logs 10
SB-20 Soil Boring Logs 11
SB-21 Soil Boring Logs 12

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal And Disposal Of Unsuitable Material	Cu Yd	418
Structure Excavation	Cu Yd	357
Protective Coat	Sq Yd	317
Stud Shear Connectors	Each	1921
Reinforcement Bars, Epoxy Coated	Pound	33410
Parapet Railing	Foot	671
Name Plates	Each	1
Furnishing Soldier Piles (Hp Section)	Foot	3537
Driving Soldier Piles	Foot	3537
Untreated Timber Lagging	Sq Ft	5426
Concrete Structures (Retaining Wall)	Cu Yd	0
Granular Backfill For Structures	Cu Yd	225
Geocomposite Wall Drain	Sq Yd	389
Concrete Headwalls For Pipe Drains	Each	1
Pipe Underdrains For Structures 4"	Foot	686
Lightweight Cellular Concrete Fill	Cu Yd	999



STAGED CONSTRUCTION DETAILS

PATRICK a Kiewit company

USER NAME = ealbrethsen		DESIGNED - EMA		REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 056-W301
SHEET SB-02 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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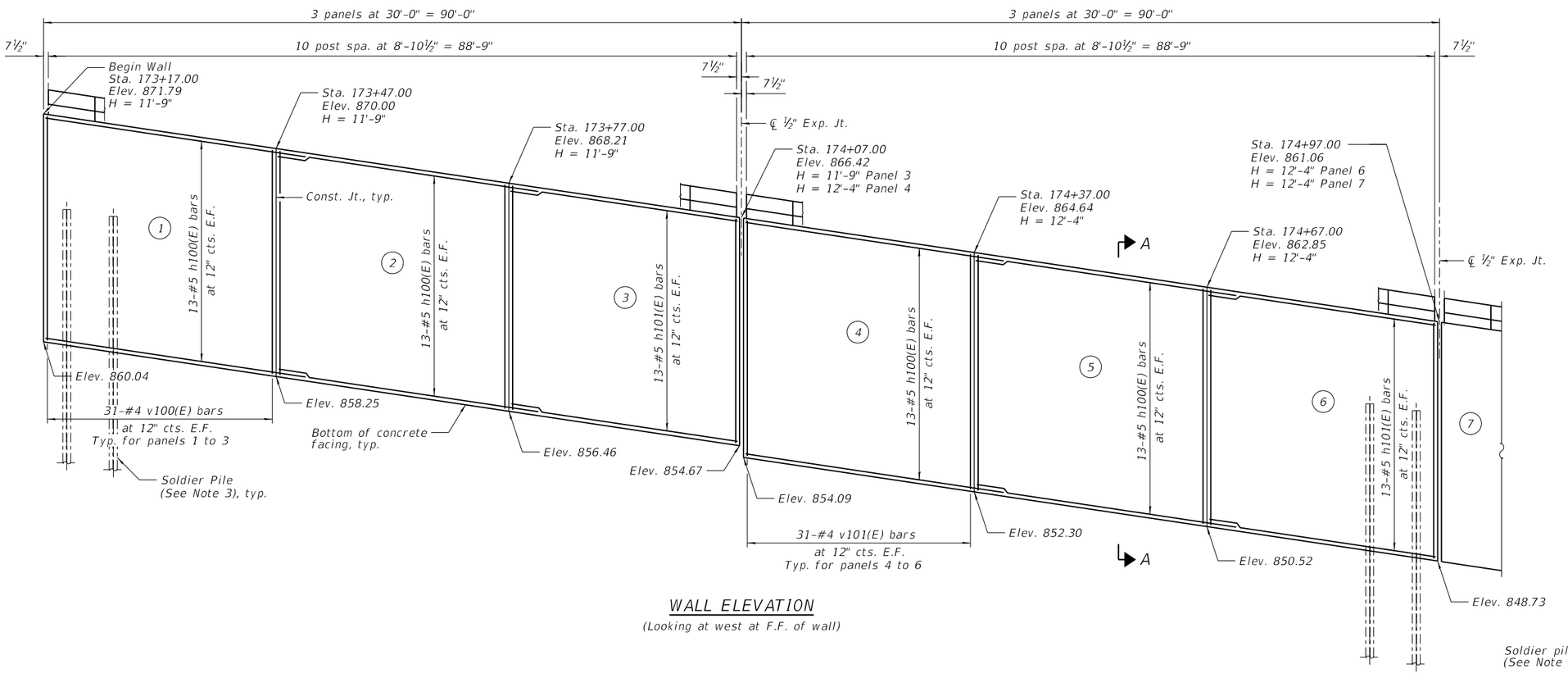
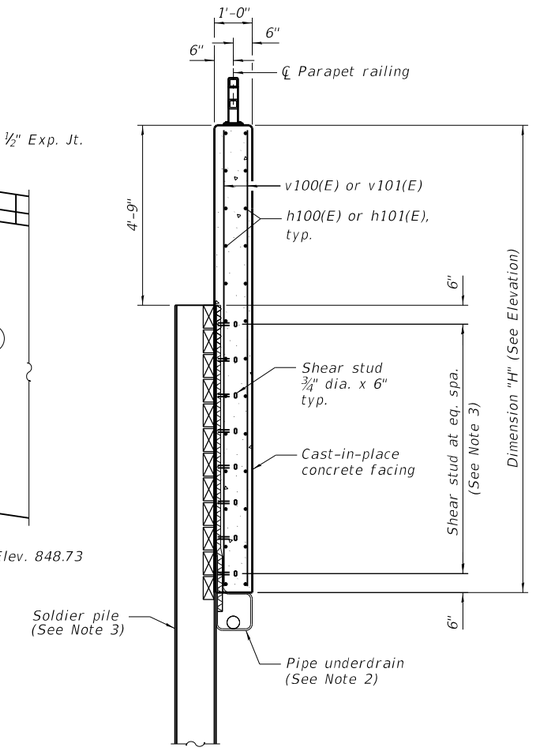
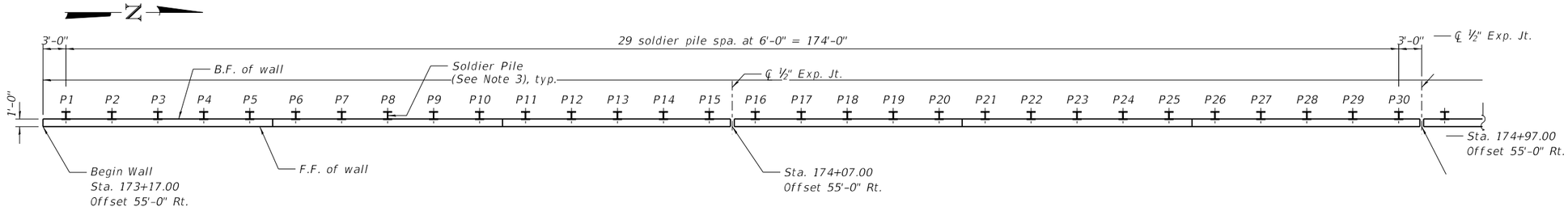


WALL ELEVATION

(Looking at west at F.F. of wall)



SECTION A-A



PLAN

LEGEND:

E.F. = Each Face
F.F. = Front Face
B.F. = Back Face

I = Soldier Pile

P# = Soldier Pile No.

(#) = Panel No.

NOTES:

1. Wall stations, offsets, and dimensions are taken at the front face of wall.
2. See Sheet SB-02 for backfill details and pipe underdrain details.
3. See Sheet SB-07 for soldier pile schedule.
4. See Sheet SB-08 for bar list, expansion and construction joint details.
5. See sheet SB-09 for Parapet Railing details.

MIN. BAR LAPS:

#5 (Horizontal) bars = 3'-7"

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILED PLAN AND ELEVATION 1
STRUCTURE NO. 056-W301
SHEET SB-03 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652A

CONTRACT NO. 62K69
ILLINOIS FED. AID PROJECT

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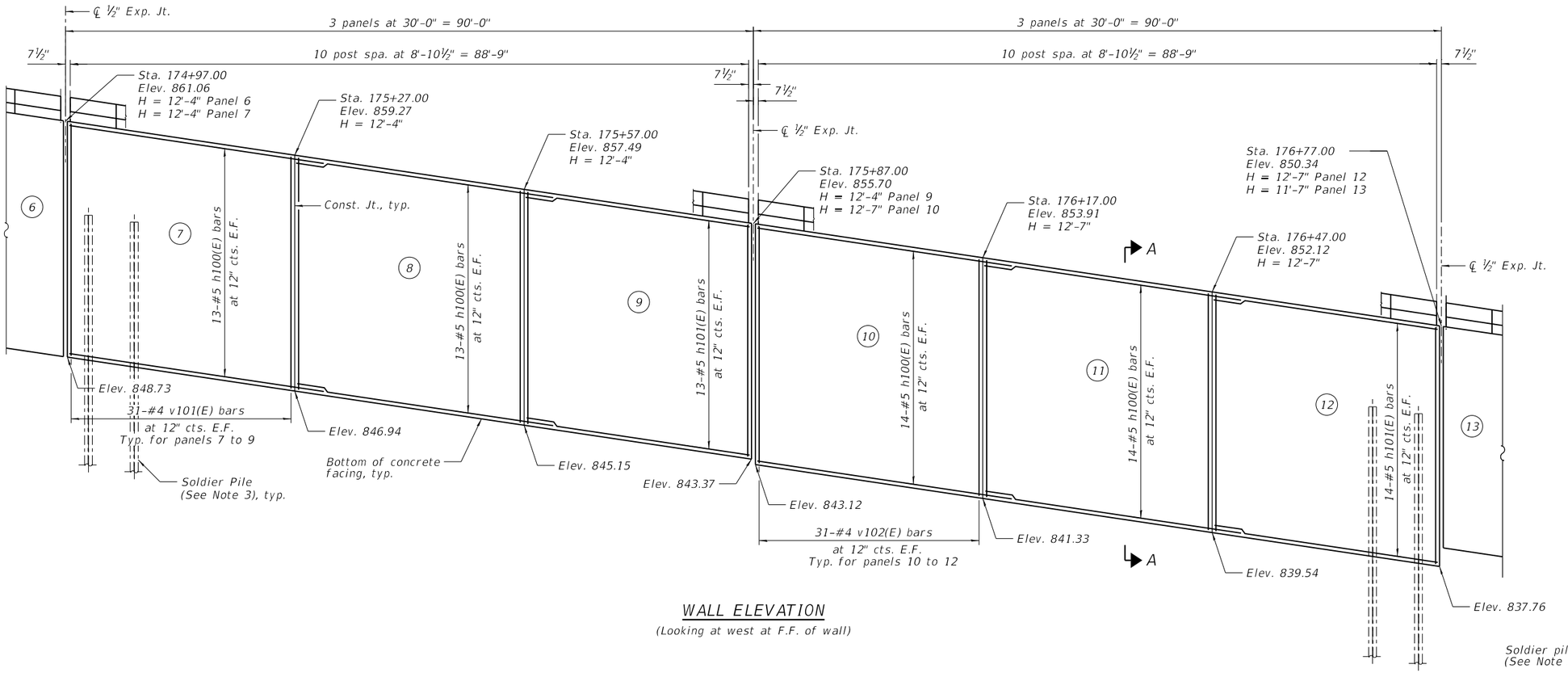
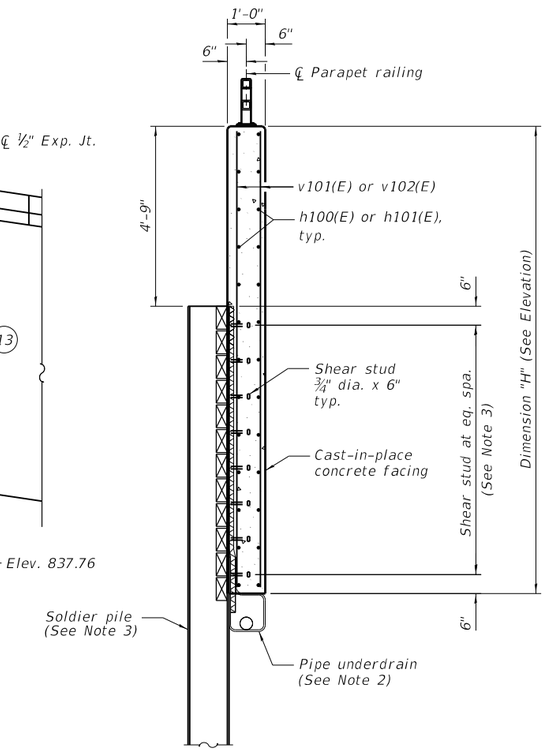
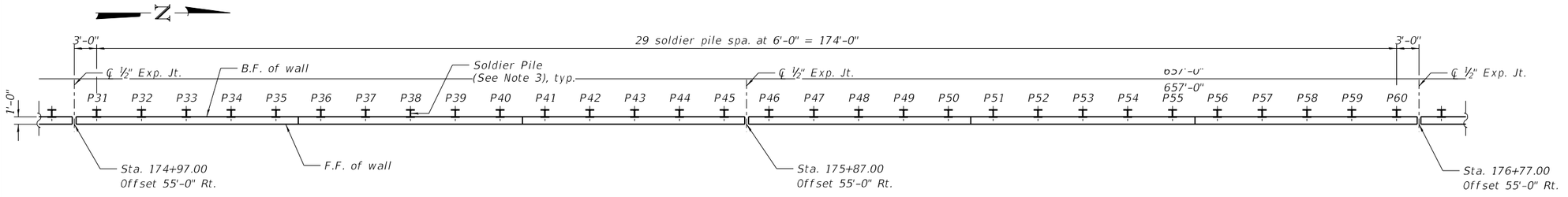


WALL ELEVATION

(Looking at west at F.F. of wall)



SECTION A-A



PLAN

LEGEND:

E.F. = Each Face
F.F. = Front Face
B.F. = Back Face

I = Soldier Pile

P# = Soldier Pile No.

(#) = Panel No.

NOTES:

1. Wall stations, offsets, and dimensions are taken at the front face of wall.
2. See Sheet SB-02 for backfill details and pipe underdrain details.
3. See Sheet SB-07 for soldier pile schedule.
4. See Sheet SB-08 for bar list, expansion and construction joint details.
5. See sheet SB-09 for Parapet Railing details.

MIN. BAR LAPS:

#5 (Horizontal) bars = 3'-7"

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PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILED PLAN AND ELEVATION 2
STRUCTURE NO. 056-W301

SHEET SB-04 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652B
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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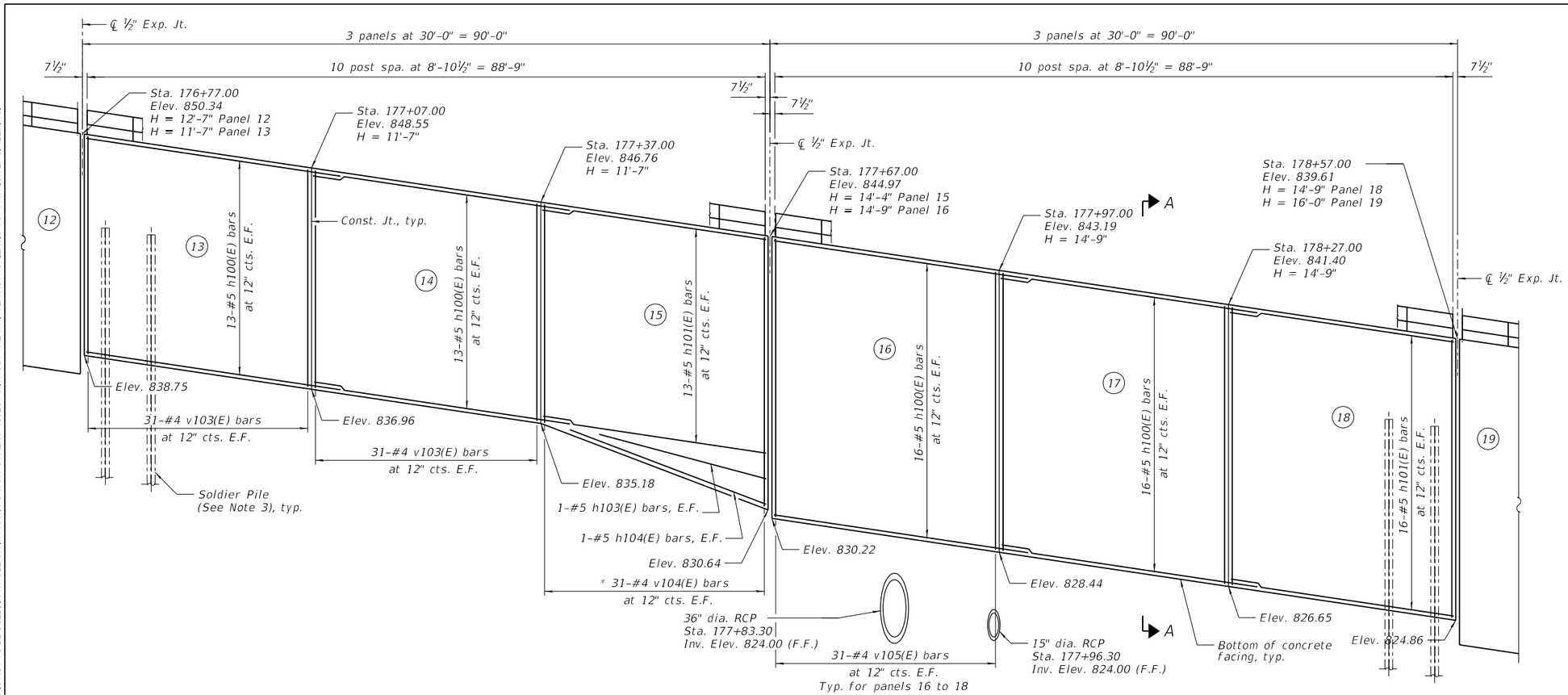
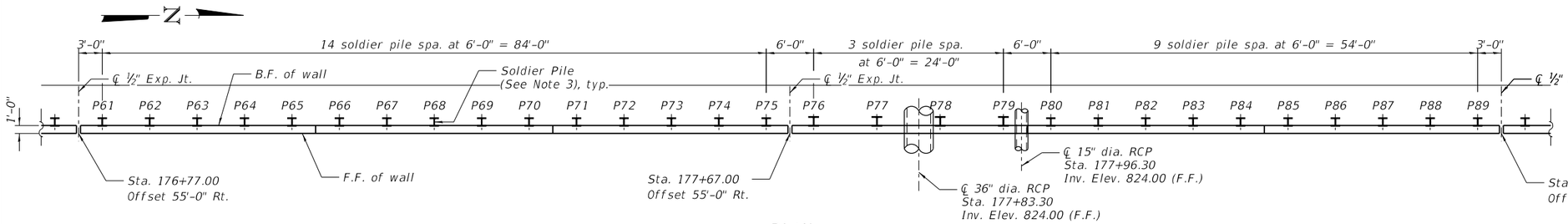
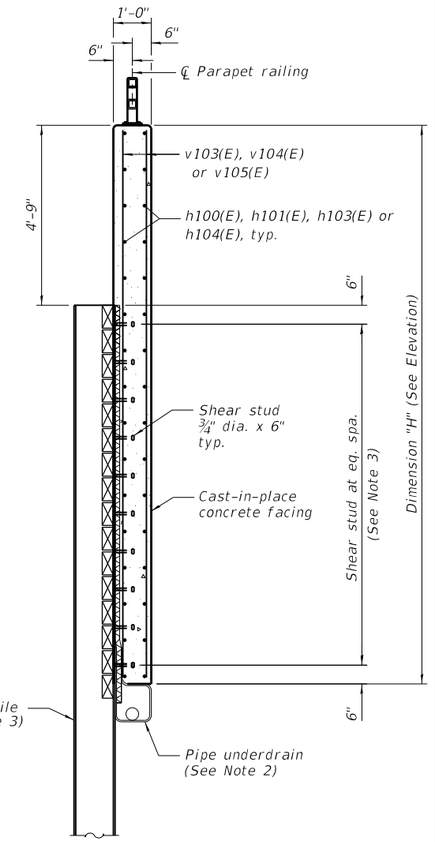


WALL ELEVATION

(Looking at west at F.F. of wall)
*(* Denotes bars with cutting diagram)*



PLAN



SECTION A-A

LEGEND:

E.F. = Each Face
F.F. = Front Face
B.F. = Back Face

I = Soldier Pile

P# = Soldier Pile No.

(#) = Panel No.

NOTES:

1. Wall stations, offsets, and dimensions are taken at the front face of wall.
2. See Sheet SB-02 for backfill details and pipe underdrain details.
3. See Sheet SB-07 for soldier pile schedule.
4. See Sheet SB-08 for bar list, expansion and construction joint details.
5. See sheet SB-09 for Parapet Railing details.

MIN. BAR LAPS:

#5 (Horizontal) bars = 3'-7"

USER NAME = ealbrethsen	DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILED PLAN AND ELEVATION 3 STRUCTURE NO. 056-W301
	CHECKED - AMK	REVISED -		SHEET SB-05 OF SB-21 SHEETS
PLOT SCALE = 16.0000 ' / in.	DRAWN - JH	REVISED -		
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652C
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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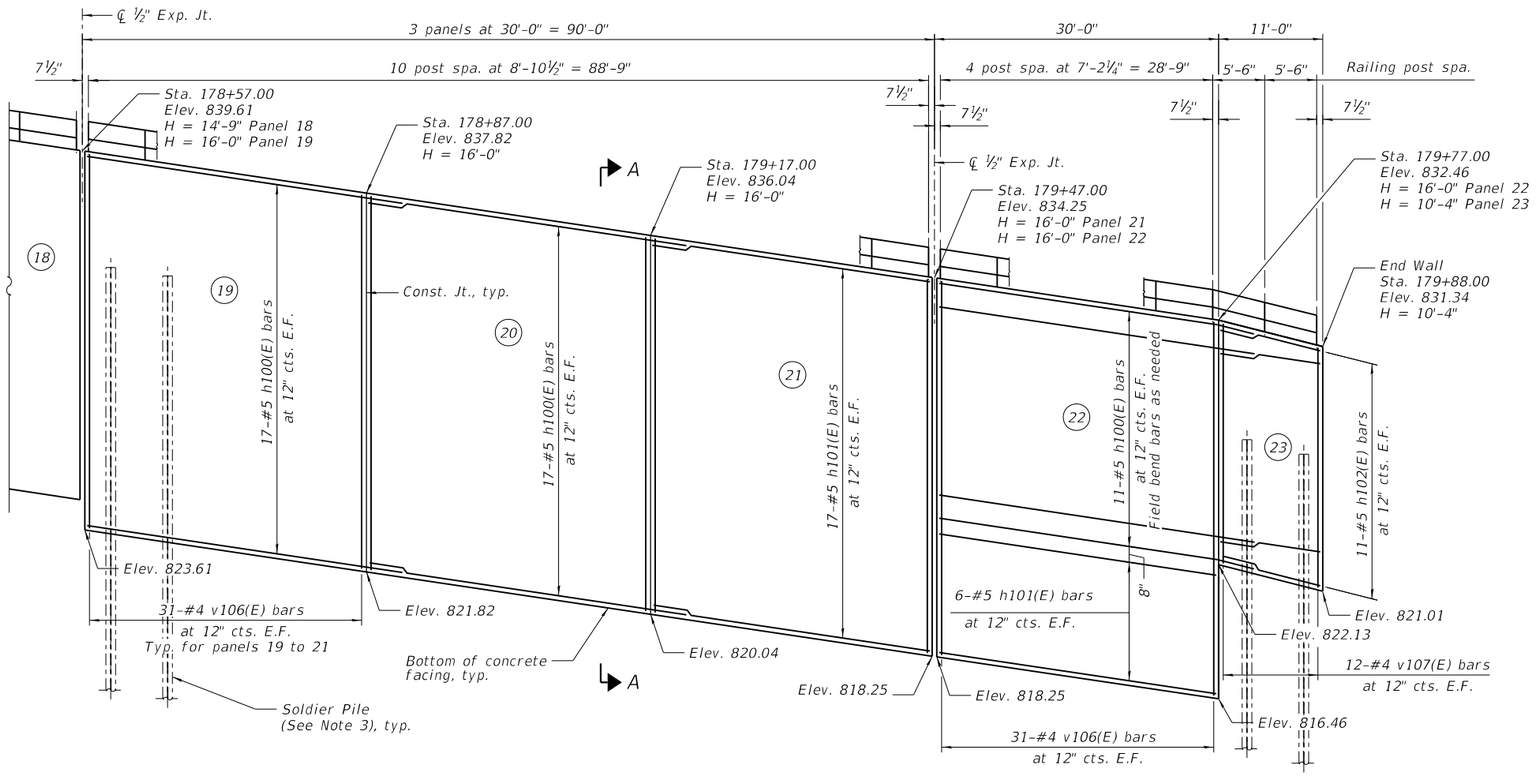
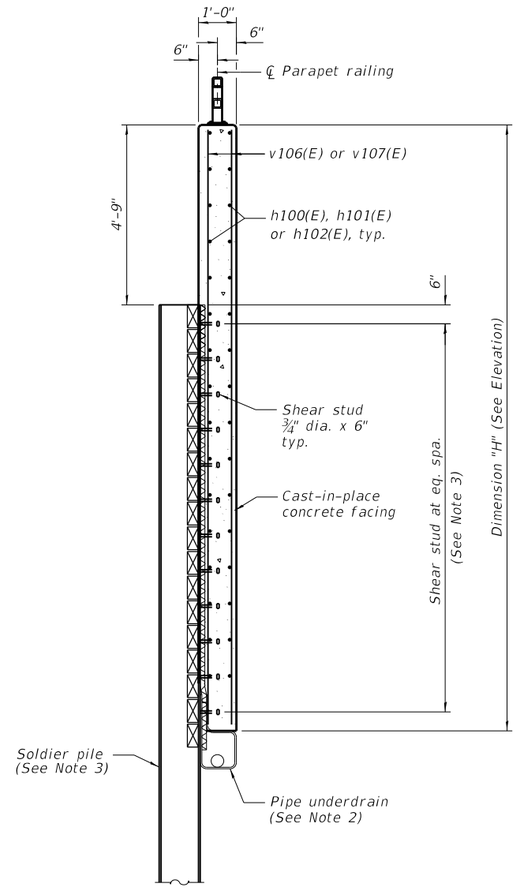
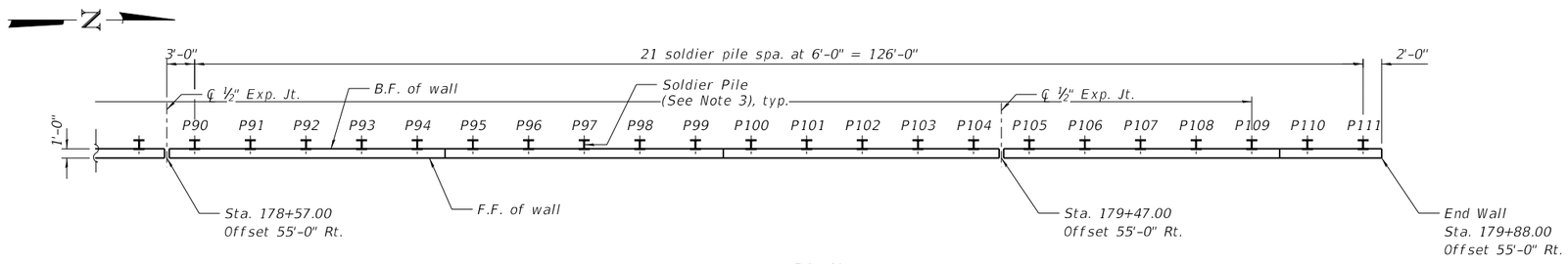


WALL ELEVATION

(Looking at west at F.F. of wall)



SECTION A-A



PLAN

LEGEND:

E.F. = Each Face
F.F. = Front Face
B.F. = Back Face

I = Soldier Pile

P# = Soldier Pile No.

(#) = Panel No.

NOTES:

1. Wall stations, offsets, and dimensions are taken at the front face of wall.
2. See Sheet SB-02 for backfill details and pipe underdrain details.
3. See Sheet SB-07 for soldier pile schedule.
4. See Sheet SB-08 for bar list, expansion and construction joint details.
5. See sheet SB-09 for Parapet Railing details.

MIN. BAR LAPS:

#5 (Horizontal) bars = 3'-7"

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PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILED PLAN AND ELEVATION 4
STRUCTURE NO. 056-W301

SHEET SB-06 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652D
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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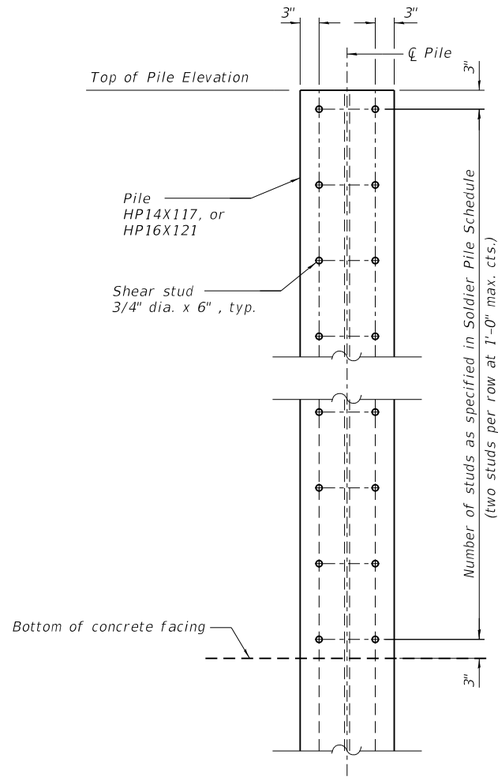
SOLDIER PILE SCHEDULE

Pile No.	Pile Size	Top of Pile Elevation	Pile Tip Elevation	Pile Length (Ft.)	No. of Studs
P1	HP14X117	866.86	829.19	37.66	16
P2	HP14X117	866.50	828.84	37.66	16
P3	HP14X117	866.14	828.48	37.66	16
P4	HP14X117	865.79	828.12	37.66	16
P5	HP14X117	865.43	827.76	37.66	16
P6	HP14X117	865.07	827.41	37.66	16
P7	HP14X117	864.71	827.05	37.66	16
P8	HP14X117	864.36	826.69	37.66	16
P9	HP14X117	864.00	826.33	37.66	16
P10	HP14X117	863.64	825.98	37.66	16
P11	HP14X117	863.28	825.62	37.66	16
P12	HP14X117	862.93	825.26	37.66	16
P13	HP14X117	862.57	824.90	37.66	16
P14	HP14X117	862.21	824.55	37.66	16
P15	HP14X117	861.85	824.19	37.66	16
P16	HP14X117	861.49	823.25	38.25	18
P17	HP14X117	861.14	822.89	38.25	18
P18	HP14X117	860.78	822.53	38.25	18
P19	HP14X117	860.42	822.17	38.25	18
P20	HP14X117	860.06	821.82	38.25	18
P21	HP14X117	859.71	821.46	38.25	18
P22	HP14X117	859.35	821.10	38.25	18
P23	HP14X117	858.99	820.74	38.25	18
P24	HP14X117	858.63	820.39	38.25	18
P25	HP14X117	858.28	820.03	38.25	18
P26	HP14X117	857.92	819.67	38.25	18
P27	HP14X117	857.56	819.31	38.25	18
P28	HP14X117	857.20	818.96	38.25	18
P29	HP14X117	856.85	818.60	38.25	18
P30	HP14X117	856.49	818.24	38.25	18
P31	HP14X117	856.13	817.88	38.25	18
P32	HP14X117	855.77	817.53	38.25	18
P33	HP14X117	855.42	817.17	38.25	18
P34	HP14X117	855.06	816.81	38.25	18
P35	HP14X117	854.70	816.45	38.25	18
P36	HP14X117	854.34	812.45	41.90	18
P37	HP14X117	853.99	812.09	41.90	18
P38	HP14X117	853.63	811.73	41.90	18
P39	HP14X117	853.27	811.38	41.90	18
P40	HP14X117	852.91	811.02	41.90	18
P41	HP14X117	852.56	810.66	41.90	18
P42	HP14X117	852.20	810.30	41.90	18
P43	HP14X117	851.84	809.95	41.90	18
P44	HP14X117	851.48	809.59	41.90	18
P45	HP14X117	851.13	809.23	41.90	18
P46	HP14X117	850.77	808.62	42.15	18
P47	HP14X117	850.41	808.27	42.15	18
P48	HP14X117	850.05	807.91	42.15	18
P49	HP14X117	849.70	807.55	42.15	18
P50	HP14X117	849.34	807.19	42.15	18
P51	HP14X117	848.98	806.83	42.15	18
P52	HP14X117	848.62	806.48	42.15	18
P53	HP14X117	848.27	806.12	42.15	18
P54	HP14X117	847.91	805.76	42.15	18
P55	HP14X117	847.55	805.40	42.15	18
P56	HP14X117	847.19	805.05	42.15	18
P57	HP14X117	846.84	804.69	42.15	18
P58	HP14X117	846.48	804.33	42.15	18
P59	HP14X117	846.12	803.97	42.15	18
P60	HP14X117	845.76	803.62	42.15	18
P61	HP14X117	845.41	812.65	32.76	16
P62	HP14X117	845.05	812.29	32.76	16
P63	HP14X117	844.69	811.93	32.76	16
P64	HP14X117	844.33	811.57	32.76	16
P65	HP14X117	843.98	811.22	32.76	16
P66	HP14X117	843.62	810.86	32.76	16
P67	HP14X117	843.26	810.50	32.76	16
P68	HP14X117	842.90	810.14	32.76	16
P69	HP14X117	842.55	809.79	32.76	16
P70	HP14X117	842.19	809.43	32.76	16
P71	HP14X117	841.83	808.79	33.04	18
P72	HP14X117	841.47	807.88	33.59	18
P73	HP14X117	841.12	806.97	34.15	20
P74	HP14X117	840.76	806.06	34.70	20
P75	HP14X117	840.40	805.14	35.26	22
P76	HP16X121	840.04	801.00	39.05	22
P77	HP16X121	839.57	800.52	39.05	22
P78	HP16X121	839.09	800.04	39.05	22
P79	HP16X121	838.61	799.57	39.05	22
P80	HP14X117	838.26	802.35	35.91	22
P81	HP14X117	837.90	801.99	35.91	22
P82	HP14X117	837.54	801.63	35.91	22
P83	HP14X117	837.18	801.28	35.91	22
P84	HP14X117	836.83	800.92	35.91	22
P85	HP14X117	836.47	800.56	35.91	22
P86	HP14X117	836.11	800.20	35.91	22
P87	HP14X117	835.75	799.85	35.91	22
P88	HP14X117	835.40	799.49	35.91	22
P89	HP14X117	835.04	799.13	35.91	22
P90	HP14X117	834.68	794.99	39.69	26
P91	HP14X117	834.32	794.64	39.69	26
P92	HP14X117	833.97	794.28	39.69	26
P93	HP14X117	833.61	793.92	39.69	26
P94	HP14X117	833.25	793.56	39.69	26
P95	HP14X117	832.89	793.21	39.69	26
P96	HP14X117	832.54	792.85	39.69	26
P97	HP14X117	832.18	792.49	39.69	26
P98	HP14X117	831.82	792.13	39.69	26
P99	HP14X117	831.46	791.78	39.69	26
P100	HP14X117	831.11	791.42	39.69	26
P101	HP14X117	830.75	791.06	39.69	26
P102	HP14X117	830.39	790.70	39.69	26
P103	HP14X117	830.03	790.35	39.69	26
P104	HP14X117	829.68	789.99	39.69	26
P105	HP14X117	829.32	789.63	39.69	26
P106	HP14X117	828.96	789.27	39.69	26
P107	HP14X117	828.60	788.92	39.69	26
P108	HP14X117	828.25	788.56	39.69	26
P109	HP14X117	827.89	788.20	39.69	26
P110	HP14X117	827.53	799.55	27.98	14
P111	HP14X117	827.17	799.20	27.98	14



SHEAR STUD DETAILS

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PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOLDIER PILE SCHEDULE
STRUCTURE NO. 056-W301
SHEET SB-07 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652E
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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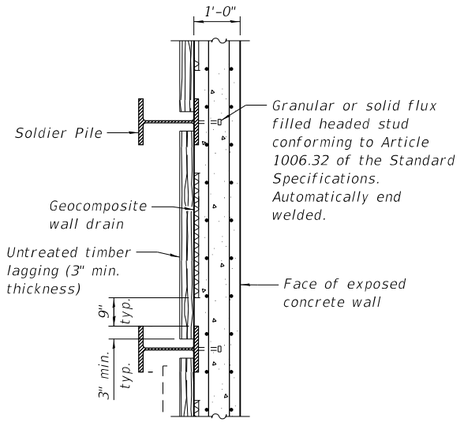
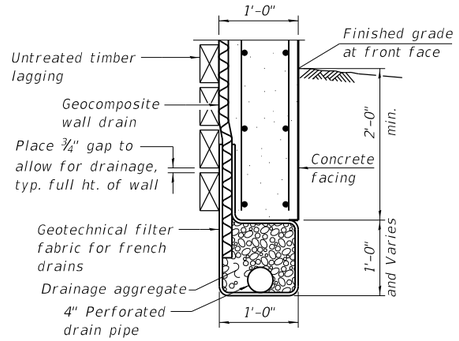


SECTION THRU SOLDIER PILE WALL

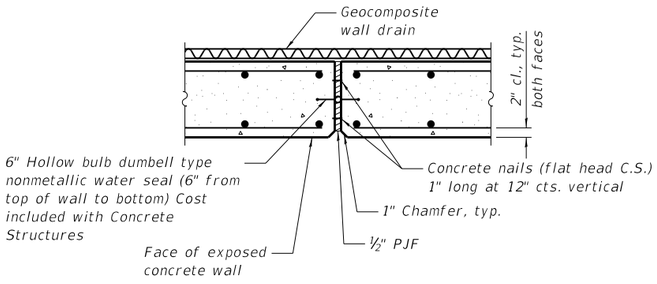


UNDERDRAIN DETAIL

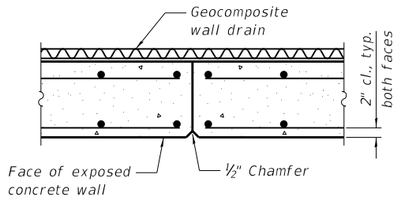
(Between Soldier Piles)

BILL OF MATERIALS

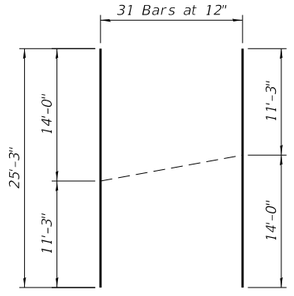
Bar	No.	Size	Length	Shape
h100(E)	418	#5	33'-7"	——
h101(E)	210	#5	29'-8"	——
h102(E)	22	#5	10'-8"	——
h103(E)	2	#5	22'-0"	——
h104(E)	2	#5	26'-0"	——
v100(E)	186	#4	11'-5"	——
v101(E)	372	#4	12'-0"	——
v102(E)	186	#4	12'-3"	——
v103(E)	124	#4	11'-3"	——
v104(E)	31	#4	25'-3"	——
v105(E)	186	#4	14'-5"	——
v106(E)	248	#4	15'-8"	——
v107(E)	24	#4	10'-0"	——
Reinforcement Bars, Epoxy Coated			Pound	33,410
Concrete Structures			Cu Yd	328.0



EXPANSION JOINT DETAIL



CONSTRUCTION JOINT



BAR v104(E)

BAR CUTTING DIAGRAM

Order bars full length. Cut to fit as shown and place at one end of the dimension line shown on the plan. Use the remainder of bars at opposite end of the dimension line on the opposite face of the concrete facing.

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USER NAME = ealbrethsen	DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS AND BILL OF MATERIAL STRUCTURE NO. 056-W301	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652F
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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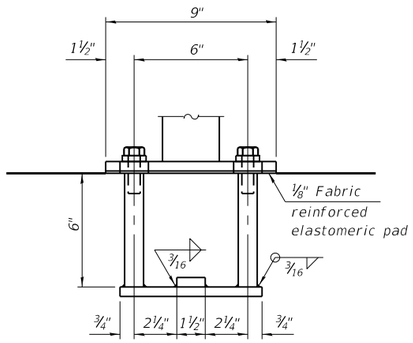
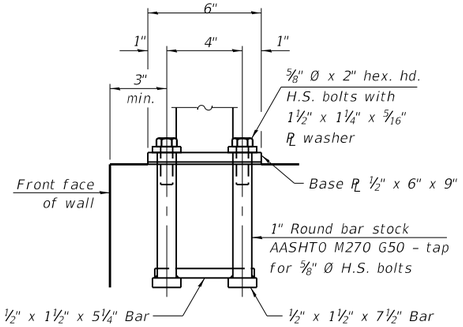
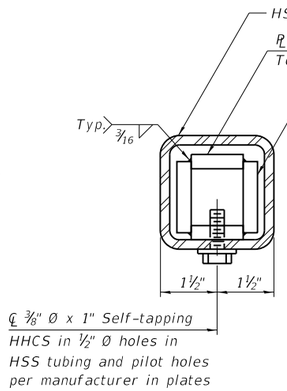
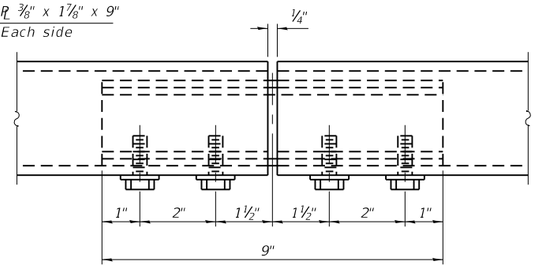




ANCHORAGE ASSEMBLY

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.





MATERIAL SPLICE

Notes:

Place reinforcement bars to miss anchor rod locations.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.

All base plates used for the Paraper Railing shall be AASHTO M270 grade 50.

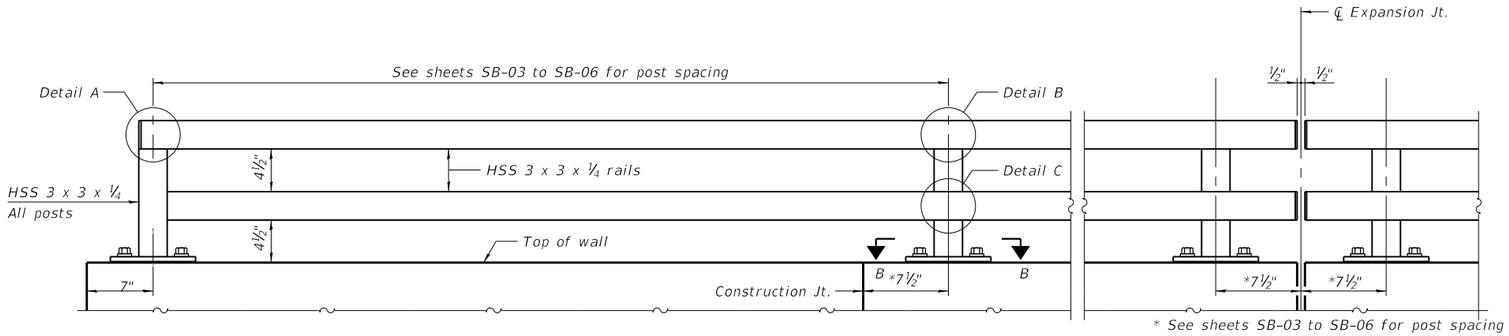
All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

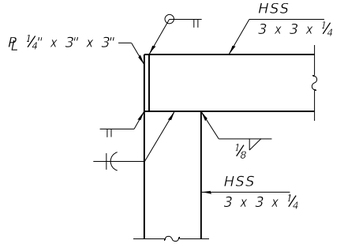
Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

When the contract specifies a galvanized railing, all steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. When the contract specifies a painted railing, all posts, rail, splices, anchor devices and plates of the railing shall be painted according to the paint system for railings as specified in the General Notes.

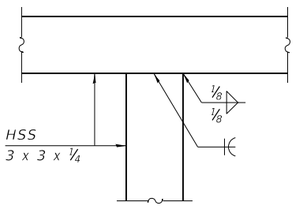


ELEVATION PARAPET RAILING

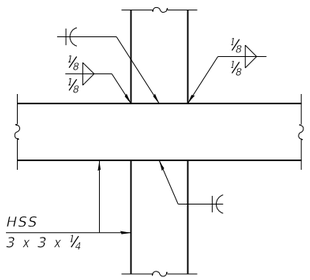
(Inside face)



DETAIL A



DETAIL B



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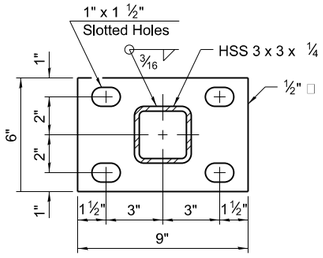
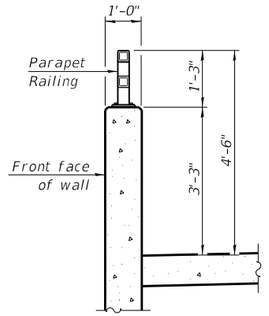


SECTION B-B



SECTION THRU RAILING

RAILING CRITERIA

MASH 2016 Test Level	4
Parapet Railing Weight (plf)	25
Max Post Spacing	10'-0"

USER NAME = ealbrethsen		DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PARAPET RAILING DETAILS STRUCTURE NO. 056-W301
		CHECKED - AMK	REVISED -		
PLOT SCALE = 0:2 ':" / in.		DRAWN - JH	REVISED -		SHEET SB-09 OF SB-21 SHEETS
PLOT DATE = 10/4/2024		CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652G
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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SOIL BORING LOG

Date 11/4/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038456.977,996873.433

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-01
Station 173+36
Offset 30.00ft RT
Ground Surface Elev. 866.23 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 850.2 ft
Upon Completion 851.7 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (10") 865.40			
Loose, brown and gray SANDY LOAM FILL, trace gravel. Moist.	4		
	4		12.4
	5		
863.23			
Very stiff, brown , reddish brown and gray CLAY LOAM FILL, little gravel and trace brick. Moist.	3		
	5		11.9
-5	5	2.5 P	
860.73			
Very loose, brown and black SILTY LOAM FILL, trace brick. Moist.	1		
	2		28.4
	1		
858.23			
Very stiff, brown and light gray CLAY. Moist.	2		
	3		24.8
-10	2	2.4 B	
855.73			
Medium dense, light gray CRUSHED ROCK AGGREGATE AND SAND, trace gravel. Moist.	5		
	13		6.3
	13		
853.23			
Medium dense, brown and gray SAND AND GRAVEL, little clay, trace cobbles. Moist.	5		
▽	7		8.3
-15	5		
850.73			
Medium dense, brown SAND. Wet. ▼	8		
	9		21.5
	9		
848.23			
Loose, gray and black GRAVEL AND SAND, trace cobbles. Wet.	2		
	2		10.2
-20	7		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
845.73			
Medium dense, gray and black GRAVEL AND SAND, trace cobbles. Wet.	5		
	8		11.4
	12		
843.23			
Medium dense, brown SAND AND GRAVEL, trace cobbles. Wet.	11		
	10		14.8
841.23 -25	8		
End of Boring @ 25'.			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/5/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038530.538,996874.395

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-02
Station 174+10
Offset 31.00ft RT
Ground Surface Elev. 861.84 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 850.8 ft
Upon Completion Not taken ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense, brown CLAY LOAM, trace gravel. Moist.	14		
	8		13.2
	5	0.8 P	
858.84			
Loose, brown SANDY LOAM, trace gravel. Moist.	3		
	5		22.9
-5	4		
856.34			
Loose, brown SANDY LOAM, little gravel. Moist.	3		
	3		17.0
	3		
853.84			
Loose, gray and brown SANDY LOAM, some gravel. Moist.	2		
	3		16.5
-10	6		
851.34			
Medium dense, gray SANDY CLAY LOAM, trace gravel. Wet. ▼	4		
	6		11.1
	9		
848.84			
Loose, gray SANDY CLAY LOAM, trace gravel. Wet.	3		
	4		16.2
-15	5		
846.34			
Medium dense, brown and gray SAND, little gravel. Wet.	12		
	14		11.1
	14		
843.84			
Dense, brown and gray SAND, little gravel. Wet.	7		
	18		13.7
-20	12		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense, brown and gray SAND, little gravel. Wet. *(continued)*	7		
	19		17.1
	16		
	19		
	24		15.0
836.84 -25	10		
End of Boring @ 25.0'.			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	
	CHECKED - AMK	REVISED -	
PLOT SCALE = 0:2 ':' / in.	DRAWN - RMH	REVISED -	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 1
STRUCTURE NO. 056-W301
SHEET SB-10 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652H
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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SOIL BORING LOG

Date 11/5/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038600.591,996874.517

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-03
Station 174+80
Offset 31.00ft RT
Ground Surface Elev. 857.49 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 846.5 ft
Upon Completion Not taken ft
After 120 Hrs. 851.3 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose, brown SANDY CLAY LOAM, trace gravel. Moist.			
	4		
	4		15.2
	4		
	3		
	3		12.6
-5	3	0.5 P	
851.99			
Loose, black PEAT, Moist. Organic Content=36.8%	2		
	2		120.4
	4		
849.49			
Medium dense , brown SANDY CLAY LOAM, little gravel. Moist.	3		
	6		17.9
-10	10	1.5 P	
846.99			
Dense, brown SAND, trace gravel. Wet.	9		
	14		24.6
	16		
844.49			
Medium dense, brown SAND, some gravel. Wet.	5		
	9		16.7
-15	10		
	5		
	5		13.3
	9		
	4		
	8		15.2
-20	9		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense, brown SAND, some gravel. Wet. *(continued)*			
	4		
	6		14.9
834.49	18		
Medium dense, brown SAND AND GRAVEL, Wet.			
	4		
	9		10.1
832.49 -25	14		
End of Boring @ 25'.			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038604.216,996898.528

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-03A
Station 174+83.8
Offset 55.30ft RT
Ground Surface Elev. 851.13 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 842.6 ft
Upon Completion Mud rotary ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (6") 850.63			
Stiff, dark yellowish brown CLAY LOAM fill, trace gravel, trace wood debris, low plasticity, moist	6		
	4		39.0
	2	1.3 P	
848.13			
Stiff, dark yellowish brown SILTY CLAY LOAM fill, low plasticity, moist	2		
	1		26.7
-5	1	1.5 P	
845.63			
Stiff, grayish brown CLAY, medium plasticity, moist	2		
	1		15.9
	1	1.3 P	
843.13			
Dense, moderate yellowish brown medium to fine SANDY LOAM AND GRAVEL, wet	4		
	17		22.3
-10	18		
840.63			
Medium dense, dark yellowish brown, medium to fine SANDY LOAM, wet	8		
	7		16.6
	9		
838.13			
Medium dense, dark yellowish brown, medium to fine SANDY LOAM, trace gravel, wet	2		
	8		17.5
-15	12		
835.63			
Medium dense, light olive gray, coarse to fine SANDY LOAM, trace gravel, wet	9		
	7		12.0
	8		
833.13			
Medium dense, light olive gray, coarse to fine SANDY LOAM, little gravel, wet	9		
-20	7		11.4

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense, light olive gray, coarse to fine SANDY LOAM, little gravel, wet *(continued)*			
	8		
	10		11.4
828.13	16		
Very stiff, olive gray SILTY CLAY, trace gravel, medium plasticity, moist			
	12		
	9		12.4
-25	8	2.9 B	
	3		
	6		13.8
	9	2.5 B	
	4		
-30	6		12.2
	10	2.3 B	
819.13			
Very stiff, olive gray SILTY CLAY, trace gravel, medium plasticity, moist	5		
-35	6		12.6
	10	2.2 B	
814.13			
Hard, olive gray SILTY CLAY, trace gravel, medium plasticity, moist	4		
-40	8		14.7
	12	4.1	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 2 STRUCTURE NO. 056-W301	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 0:2 ':' / in.	DRAWN - RMH	REVISED -		SHEET SB-11 OF SB-21 SHEETS	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	6521
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038604.216,996898.528

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-03A
Station 174+83.8
Offset 55.30ft RT
Ground Surface Elev. 851.13 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 842.6 ft
Upon Completion Mud rotary ft
After Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, olive gray SILTY CLAY, trace gravel, medium plasticity, moist *(continued)*			B	
809.13				
Very stiff, olive gray CLAY, trace gravel, medium plasticity, moist		6		
		7		20.0
	-45	8	3.2 B	
		5		
		7		20.7
	-50	10	2.4 B	
799.13				
Dense, light olive gray, fine SAND, wet		8		
		15		15.5
796.13	-55	22		
End of boring @55.0'				
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/5/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038673.79,996872.299

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-04
Station 175+52
Offset 30.00ft RT
Ground Surface Elev. 853.38 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (10")				
852.55				
Loose, brown SANDY LOAM, trace gravel. Moist.		4		
		4		35.4
		3		
850.38				
Stiff, reddish brown CLAY, trace gravel. Moist.		6		
		2		22.7
	-5	2	1.0 B	
847.88				
Loose, brown SANDY LOAM, little gravel. Moist.		2		
		2		17.0
		4		
845.38				
Medium dense, brown SANDY LOAM, little gravel. Moist.		4		
		6		7.0
	-10	11		
842.88				
Stiff, brown CLAY LOAM, trace gravel. Moist.		3		
		7		14.5
		17	1.2 B	
840.38				
Very stiff, gray CLAY, trace gravel. Moist.		9		
		8		14.2
	-15	8	2.4 B	
837.88				
Stiff, gray CLAY, trace gravel. Moist.		4		
		4		12.7
		5	1.5 B	
		2		
		3		14.9
	-20	6	1.5	

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
832.88			B	
Very stiff, gray CLAY, trace gravel. Moist.		5		
		7		15.7
		8	2.9	
			B	
		3		
		4		13.8
828.38	-25	7	2.7	
End of Boring @ 25'.			B	
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED - AMK	REVISED -	
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

SOIL BORING LOGS 3
STRUCTURE NO. 056-W301
SHEET SB-12 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652J
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

Date 10/16/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038662.644,996899.31

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-04A
Station 175+42.1
Offset 56.40ft RT
Ground Surface Elev. 847.88 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 838.4 ft ▼
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, dark yellowish brown CLAY LOAM, little gravel, low plasticity, moist		4		
		5		24.5
		3	4.0 P	
844.88				
Soft, dark greenish gray SILTY CLAY LOAM, low plasticity, wet		2		
		2		18.9
	-5	1	0.3 P	
842.38				
Stiff, dark greenish gray SILTY CLAY LOAM, low plasticity, wet		1		
		1		20.4
		1	1.0 P	
839.88				
Brown fine SAND, moist Shelby tube @8.5-10.5'		P		
▼		U		22.4
	-10	S		
		H		
836.88				
Medium dense, light brown SILTY LOAM, wet		5		
		8		20.4
		8		
834.88				
Medium dense, dark yellowish orange SILTY LOAM, trace gravel, wet		8		
		11		19.8
	-15	15		
832.38				
Very dense, dark yellowish orange SILTY LOAM AND GRAVEL, wet		3		
		25		13.5
		28		
829.88				
Dense, dark yellowish orange SILTY LOAM AND GRAVEL, wet		10		
		22		8.7
	-20	18		
827.38				
Dense, dark yellowish orange GRAVEL, wet		13		
		17		16.3
		10		
824.88				
Very dense, dark yellowish orange GRAVEL, wet		25		
		28		6.6
	-25	27		
822.38				
Medium dense, dark yellowish orange, coarse to fine SANDY LOAM, some gravel, wet		14		
		13		12.2
		14		
819.88				
Hard, olive gray SILTY CLAY, trace gravel, medium plasticity, moist		9		
		12		17.0
	-30	14	6.6 B	
815.88				
Very stiff, olive gray CLAY, trace gravel, medium plasticity, moist		6		
		9		18.4
	-35	17	3.6 B	
810.88				
Stiff, olive gray CLAY, trace gravel, medium plasticity, moist		8		
		9		26.0
	-40	15	1.0	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/16/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038662.644,996899.31

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-04A
Station 175+42.1
Offset 56.40ft RT
Ground Surface Elev. 847.88 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 838.4 ft ▼
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, olive gray CLAY, trace gravel, medium plasticity, moist *(continued)*			P	
		7		
		9		31.4
	-45	10	1.0 P	
800.88				
Dense, light olive gray, fine SANDY LOAM, wet		15		
		18		17.7
	-50	21		
		19		
		16		15.2
792.88	-55	17		
End of boring @55.0'				
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

PATRICK a Ric|h company	USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 4 STRUCTURE NO. 056–W301
		CHECKED - AMK	REVISED -		SHEET SB-13 OF SB-21 SHEETS
	PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -		
	PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652K
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

Date 11/5/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038746.558,996870.965

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-05
Station 176+26
Offset 29.00ft RT
Ground Surface Elev. 846.52 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 821.5 ft
Upon Completion 821.5 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
loose, brown SANDY CLAY LOAM, trace gravel. Moist.	3		
	3		19.4
844.02	2		
Medium dense, gray GRAVEL, little sand.Moist.	4		
	9		2.5
-5	5		
841.02			
Loose, brown SAND, trace gravel. Moist.	4		
	3		3.9
	5		
838.52			
Medium dense, light brown SAND, little gravel. Moist.	10		
	10		2.6
-10	9		
	6		
	10		3.4
	10		
	9		
	14		3.1
-15	15		
	9		
	12		3.1
	15		
828.52			
Medium dense, brown SAND, trace gravel. Moist.	12		
	9		3.0
-20	14		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
826.02			
Dense, brown SAND, trace gravel. Moist.	9		
	14		4.1
823.52	16		
Dense, brown SAND, little gravel. Wet.	15		
	16		9.5
821.52 ▼ -25	19		
End of Boring @ 25'.			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 11/5/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038817.383,996871.704

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-06
Station 176+95
Offset 30.00ft RT
Ground Surface Elev. 844.88 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 823.9 ft
Upon Completion Not taken ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT(8")			
844.22			
Loose, brown SANDY CLAY LOAM, little gravel. Moist.	3		
	3		14.6
841.88	3		
Medium dense, light brown SAND, little gravel. Moist.	3		
	7		5.1
-5	6		
	6		
	7		3.4
	8		
	6		
	7		2.9
-10	8		
	6		
	11		3.6
	13		
	9		
	11		3.6
-15	13		
	9		
	11		4.1
	14		
	9		
	13		4.5
-20	15		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
824.38			
Medium dense, light brown and gray SAND, little gravel. Wet. ▼	7		
	9		16.0
	10		
	5		
	6		13.6
819.88 -25	6		
End of Boring @ 25'.			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	
	CHECKED - AMK	REVISED -	
PLOT SCALE = 0:2 ':' / in.	DRAWN - RMH	REVISED -	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 5
STRUCTURE NO. 056-W301
SHEET SB-14 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652L
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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MODEL: Default
FILE NAME: C:\SHT-056W301-62K69-boring-SB14.dgn
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Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038806.146,996892.996

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-06A
Station 176+85.6
Offset 50.60ft RT
Ground Surface Elev. 842.73 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				TOPSOIL (6") 842.23
	1			Stiff, moderate yellowish brown SILTY CLAY fill, medium plasticity, trace gravel, moist
	2		22.1	
	4	1.5 P		
				839.73
	3			Very loose, dark yellowish orange fine SAND fill, moist
	2		7.4	
-5	1			
				837.23
	8			Medium dense, pale yellowish brown fine SAND, little gravel, dry
	7		3.1	
	10			
	5			
	8		3.1	
-10	8			
	7			
	11		3.4	
	12			
				829.73
	7			Medium dense, pale yellowish brown fine SAND, little gravel, moist
	10		3.3	
-15	14			
	8			
	13		4.0	
	14			
				824.73
	6			Medium dense, pale yellowish brown fine SAND, trace gravel, wet
	8		16.2	
-20	11			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				822.23
	6			Medium stiff, grayish orange SANDY CLAY LOAM, low plasticity, moist
	4		15.1	
	3	0.5 P		
				819.73
	P			Medium stiff, brown SANDY CLAY, trace gravel, moist Shelby tube@ 23.5-25.5
	U		14.9	
-25	S	0.5		
	H	P		
				817.23
	2			Very soft, grayish orange SANDY CLAY LOAM, low plasticity, wet
	4		15.7	
	4	<0.25 P		
				814.73
	2			Stiff, olive gray CLAY, medium plasticity, moist
	5		15.7	
-30	6	1.1 B		
				810.73
	2			Very stiff, olive gray CLAY, trace gravel, medium plasticity, moist
	5		19.0	
-35	6	2.3 B		
	3			
	6		19.1	
-40	7	2.9		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038806.146,996892.996

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-06A
Station 176+85.6
Offset 50.60ft RT
Ground Surface Elev. 842.73 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
		B		Very stiff, olive gray CLAY, trace gravel, medium plasticity, moist *(continued)*
	4			
	5		22.4	
-45	6	3.2 B		
				795.73
	5			Dense, light olive gray, fine SANDY LOAM, wet
	12		12.8	
-50	18			
				790.73
	10			Medium dense, light olive gray, fine SANDY LOAM, wet
	11		13.6	
-55	10			
				787.73
				End of boring @55.0'
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

MODEL: Default
FILE NAME: $FILE$

PATRICK a RJR company	USER NAME = $USER$	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - AMK	REVISED -	
	PLOT SCALE = $SCALE$	DRAWN - RMH	REVISED -	
	PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

SOIL BORING LOGS 6
STRUCTURE NO. 056–W301
SHEET SB-15 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652M
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

Date 11/5/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038889.246,996871.853

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-07
Station 177+68
Offset 30.00ft RT
Ground Surface Elev. 838.90 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 822.9 ft
Upon Completion Not taken ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Loose, brown SANDY CLAY LOAM, trace gravel. Moist.
	5			
	4		9.9	
	4			
835.90				
				Loose, brown SANDY LOAM, little gravel. Moist.
	3			
	4		11.9	
-5	5			
833.40				
				Loose, brown and black SANDY LOAM, little gravel. Moist.
	3			
	3		8.5	
	3			
830.90				
				Loose, brown SANDY LOAM, trace gravel. Moist.
	3			
	3		18.5	
-10	3			
828.40				
				Stiif, brown CLAY LOAM, trace gravel. Moist.
	3			
	4		21.4	
	5	1.7 B		
825.90				
				Medium dense, light brown SILT, trace gravel. Moist.
	3			
	6		20.9	
-15	6			
823.40				
				Medium dense, brown SANDY LOAM, trace gravel. Wet.
	6			
	7		13.9	
	5			
820.90				
				Medium dense, brown SANDY CLAY LOAM, little gravel. Moist.
	3			
	8		16.8	
-20	17			
818.40				
				Stiff, brown and gray CLAY LOAM, trace gravel. Moist.
	8			
	10		11.3	
	12	1.0 P		
815.90				
				Very stiff gray CLAY, trace gravel, Moist.
	4			
	6		13.6	
813.90	8	3.9 B		
-25				End of Boring @ 25'.
-30				
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/8/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038957.896,996871.003

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-08
Station 178+37
Offset 30.00ft RT
Ground Surface Elev. 835.99 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 817.0 ft
Upon Completion Not taken ft
After 48 Hrs. 822.6 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				ASPHALT (10")
835.19				
				Medium dense, brown SANDY LOAM, some gravel. Moist.
	8			
	5		9.1	
	6			
832.99				
				Loose, brown SANDY LOAM, some gravel. Moist.
	3			
	3		9.2	
-5	3			
830.49				
				Loose, dark brown and black SANDY LOAM, little gravel. Moist.
	2			
	2		13.7	
	3			
827.99				
				Loose, brown SANDY LOAM, little gravel. Moist.
	6			
	5		11.5	
-10	4			
825.49				
				Stiff, brown CLAY LOAM, little gravel. Moist.
	4			
	4		21.4	
	3			
822.99				
				Stiff, brown and gray CLAY LOAM, trace gravel. Moist.
	2			
	2		29.7	
-15	3	1.4 B		
820.49				
				Medium stiff, gray CLAY LOAM, trace gravel. Moist.
	2			
	2		29.1	
	2	0.5 B		
817.99				
				Medium dense, gray SANDY CLAY LOAM, some gravel. Wet.
	7			
	9		10.8	
-20	10			
815.49				
				Stiff, brown and gray CLAY LOAM, trace gravel, Moist.
	3			
	4		13.8	
	6	1.9 B		
812.99				
				Very stiff, gray CLAY, trace gravel, Moist.
	4			
	7		13.5	
810.99	9	2.9 B		
-25				End of Boring @ 25'.
-30				
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

MODEL: Default
FILE NAME: SFILE$$

USER NAME = $USER$	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED - AMK	REVISED -	
PLOT SCALE = $SCALE$	DRAWN - RMH	REVISED -	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

SOIL BORING LOGS 7
STRUCTURE NO. 056–W301
SHEET SB-16 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652N
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

Date 11/5/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039031.066,996871.492

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-09
Station 179+11
Offset 30.00ft RT
Ground Surface Elev. 831.46 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 818.0 ft
Upon Completion Not taken ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
830.63				ASPHALT (10")
	3			Loose, brown SANDY CLAY LOAM, trace gravel. Moist.
	5		12.1	
	3			
828.46				
	3			Loose, brown SANDY LOAM, little gravel, Moist.
	4		6.5	
-5	3			
825.96				
	2			Very loose, brown SANDY LOAM, little gravel, Moist.
	1		11.5	
	2			
823.46				
	2			Soft, brown CLAY LOAM, trace gravel, Moist.
	1		16.5	
-10	1	0.3 P		
820.96				
	2			Loose, black PEAT. Moist. Organic content=18.2%
	3		70.3	
	4			
818.46				
	2			Loose, gray SANDY CLAY LOAM, some gravel. Wet.
	3		15.9	
-15	3			
815.96				
	4			Loose, gray SANDY LOAM, some gravel. Wet.
	4		17.6	
	3			
	3			
-20	3		15.1	
	3			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Loose, gray SANDY LOAM, some gravel. Wet. *(continued)*
	3			
	4		15.0	
808.46				
	7			Medium dense, gray SANDY LOAM, trace gravel, Wet.
	7		15.3	
806.46 -25	4			
				End of Boring @ 25.0'.
-30				
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/8/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039097.116,996871.068 (offset 14' S)

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-10
Station 179+77
Offset 31.00ft RT
Ground Surface Elev. 827.34 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 821.3 ft
Upon Completion Not taken ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	2			
	6		6.6	Medium dense, brown and gray SANDY LOAM, trace gravel. Moist.
	7			
824.34				
	2			Loose, brown SANDY CLAY LOAM, trace gravel. Moist.
	2		14.1	
-5	3			
821.84				
	1			Very loose, brown SANDY CLAY LOAM, trace gravel. Wet.
	1		13.6	
	1			
	0			
	1		18.8	
-10	1			
816.84				
	2			Very soft, black PEAT. Moist. Organic content=11.5%
	2		55.8	
	6	0.0 P		
814.34				
	1			Loose, gray SANDY LOAM, trace gravel. Wet.
	2		18.3	
-15	2			
811.84				
	4			Medium dense, gray SANDY LOAM, trace gravel. Wet.
	9		16.2	
	4			
809.34				
	2			Loose, gray SANDY LOAM, trace gravel. Wet.
	3		16.7	
-20	4			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Loose, gray SANDY LOAM, trace gravel. Wet. *(continued)*
	2			
	2		22.2	
	4			
804.34				
	2			Very stiff, gray CLAY , trace gravel. Moist.
	2		13.5	
802.34 -25	8	3.9 B		
				End of Boring @ 25'.
-30				
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

MODEL: Default
FILE NAME: SFILE$$

PATRICK a RJR company	USER NAME = $USER$	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - AMK	REVISED -	
	PLOT SCALE = $SCALE$	DRAWN - RMH	REVISED -	
	PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

SOIL BORING LOGS 8
STRUCTURE NO. 056–W301
SHEET SB-17 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	6520
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039116.752,996892.551

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-10A
Station 179+95.9
Offset 51.80ft RT
Ground Surface Elev. 824.48 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 808.0 ft ▼
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black and yellowish brown SAND AND STONE fill, moist Moisture =10.4%		9		
822.98				
Medium stiff, brown CLAY, medium pasticity, moist		4 2	0.5 P	20.2
821.48				
Stiff, dark gray CLAY, medium plasticity, moist		2		
		1 1	0.3 P	19.9
	-5			
818.98				
Medium stiff, very dark gray, organic CLAY, medium plasticity, moist Organic content=13.3%		2		
		1 2	0.5 P	54.7
816.48				
Dark gray SILTY CLAY, medium plasticity, moist Shelby tube @8.5-10.5'		P		
	-10	U S H		25.9
813.98				
Very stiff, brownish gray, organic CLAY, medium plasticity, moist		2		
		4 4	2.0 P	13.7
811.48				
Medium dense, brownish gray SANDY LOAM AND GRAVEL, wet		8		
		13 10		11.6
	-15			
808.98				
Very stiff, brown CLAY LOAM, trace gravel, medium plasticity, moist	▼	7		
		6 8	2.9 B	13.6
806.48				
Medium dense GRAVEL, wet		6		
		8 10		11.5
	-20			
Medium dense GRAVEL, wet *(continued)*		6		
803.98				
Hard, gray CLAY, medium plasticity, moist		8 11	5.1 B	17.3
		7 12	5.3 B	14.8
	-25			
798.98				
Medium dense, brown SAND AND GRAVEL, wet		4		
		7 10		18.4
		6		
	-30	8 11		15.3
		9		
	-35	12 11		16.0
787.48				
Stiff, gray SILTY CLAY, medium plasticity, moist		4		
	-40	8 9	1.8	18.5

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039116.752,996892.551

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-10A
Station 179+95.9
Offset 51.80ft RT
Ground Surface Elev. 824.48 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 808.0 ft ▼
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, gray SILTY CLAY, medium plasticity, moist *(continued)*			P	
782.48				
Medium dense, brownish gray SANDY LOAM, some gravel, wet		6		
		8 10		10.7
	-45			
777.48				
Very stiff, gray SILTY CLAY LOAM, low plasticity, wet		11		
		10 15	3.4 B	20.5
	-50			
772.48				
Very stiff, gray SANDY CLAY LOAM, low plasticity, moist		8		
		10 11	2.7 B	9.3
769.48	-55			
End of boring @ 55.0'				
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038458.241,996894.911

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-HA01
Station 173+37.6
Offset 51.30ft RT
Ground Surface Elev. 862.10 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 848.1 ft
Upon Completion 848.5 ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (7") 861.52		3		
Stiff, dark yellowish brown SANDY CLAY, little gravel, low plasticity, moist 860.10		1 2 5	1.5 P	13.8
Loose, dusky yellowish brown, coarse to fine SANDY LOAM, trace gravel, moist 858.10		3 3 6 4		9.7
Loose, dusky yellowish brown, fine SANDY LOAM, trace gravel, moist 856.10	-5	3 3 3 3		14.6
Stiff, dark yellowish brown SILTY CLAY, trace gravel, medium plasticity, moist		2 2 3 4	1.3 B	28.8
852.10	-10	2 3 12 12	1.3 B	20.8
Medium dense, light brown, coarse to fine SANDY LOAM AND GRAVEL, wet 850.10		14 12 14 15		7.9
Dense, light brown, coarse to fine SANDY LOAM, little gravel, wet 848.10		18 20 17 12		9.1
Medium dense, moderate yellowish brown, coarse to fine SANDY LOAM, trace gravel, wet 846.10	-15	13 11 14 23		9.3
End of boring @16.0'	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038530.287,996894.121

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-HA02
Station 174+9.8
Offset 50.70ft RT
Ground Surface Elev. 856.87 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 844.9 ft
Upon Completion 844.5 ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (7") 856.27		2		
Loose, moderate yellowish brown SILTY LOAM, little gravel, moist 854.87		3 4 4		18.6
Loose, dark yellowish orange, fine SANDY LOAM, little gravel, moist 852.87		3 4 3 2		13.4
Medium stiff, black CLAY LOAM, trace organics, low plasticity, moist Organic content=7.9% 850.87	-5	3 1 2 2 P	0.5 P	35.6
Soft, gray CLAY LOAM, medium plasticity, moist Shelby tube @6-8' 848.87		U S H	0.3 P	28.6
Stiff, moderate yellowish brown SANDY CLAY LOAM, little gravel, low plasticity, moist 846.87	-10	1 3 5 5	1.0 P	11.1
Dense, grayish orange SANDY LOAM AND GRAVEL, moist 844.87		6 13 19 14		14.0
Medium dense, grayish orange SANDY LOAM AND GRAVEL, moist		5 10 10 9 10		12.3
840.87	-15	6 8 8		10.0
End of boring @16.0'	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

MODEL: Default
FILE NAME: $FILE$

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PLOT SCALE = $SCALE$	DRAWN - RMH	REVISED -	
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SOIL BORING LOGS 10
STRUCTURE NO. 056–W301
SHEET SB-19 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652Q
		CONTRACT NO.		62K69
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

Date 10/19/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038957.805,996884.421

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-HA03
Station 178+37.3
Offset 43.10ft RT
Ground Surface Elev. 833.04 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After <24 Hrs. 824.3 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (8") 832.37		P		
Medium stiff to soft, yellowish brown SANDY CLAY, low plasticity, moist		U S H	0.5 P	16.0
829.84		P		
Yellowish brown, fine SANDY LOAM, moist		U S H	0.3 P	11.6
827.04	-5	P		
Medium stiff, moderate yellowish brown SANDY CLAY, low plasticity, moist		U S H		15.3
825.04		P		
Moderate yellowish brown, coarse to fine SANDY LOAM, moist		U S H	0.5 P	21.3
823.04	-10	P		
Stiff, moderate yellowish brown SILTY CLAY LOAM, low plasticity, moist		U S H		9.2
821.04		P		
Very soft, moderate yellowish brown SANDY CLAY LOAM, low plasticity, moist		U S H	1.5 P	26.0
819.04		P		
Medium stiff, moderate yellowish brown with black mottling CLAY, trace gravel, medium plasticity, moist		U S H	<0.25 P	15.9
817.04	-15	P		
End of boring @16.0'		U S H	0.5 P	32.8
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/20/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039002.712,996883.758

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-HA04
Station 178+82.2
Offset 42.60ft RT
Ground Surface Elev. 831.39 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 819.4 ft
Upon Completion 819.2 ft
After <24 Hrs. 821.3 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (4") 831.06		P		
Very stiff, dark brown CLAY LOAM fill, low plasticity, moist		U S H	3.5 P	13.3
829.39		P		
Very stiff, dark brown CLAY LOAM fill, trace gravel, low plasticity, moist		U S H	2.8 P	16.9
827.39		P		
Brown SILTY LOAM, trace gravel, moist	-5	U S H		13.1
825.39		P		
Brown SILTY LOAM, moist		U S H		10.9
823.39		P		
Very soft, brown SANDY CLAY, low plasticity, wet		U S H	<0.25 P	13.0
821.39	-10	P		
Medium stiff, black CLAY, trace organics, low plasticity, moist Organic content=8.5%		U S H	0.8 P	30.8
819.39		P		
Light gray coarse to fine SANDY LOAM, wet		U S H		20.2
815.39	-15	P		
End of boring @16.0'		U S H		12.5
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/20/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039045.748,996883.586

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-HA05
Station 179+24.9
Offset 42.50ft RT
Ground Surface Elev. 828.59 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 818.6 ft
Upon Completion 818.9 ft
After <24 Hrs. 824.6 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (4") 828.26		P		
Medium stiff, dark brown CLAY LOAM fill, trace gravel, low plasticity, dry 826.59		U S H	0.8 P	10.3
Stiff, dark brown CLAY LOAM fill, trace gravel, low plasticity, dry 824.59 ▽		P		
		U S H	1.0 P	13.4
Very soft, brown SANDY CLAY, low plasticity, wet	-5	P		
		U S H	<0.25 P	16.0
		P		
		U S H	<0.25 P	16.1
		P		
		U S H	<0.25 P	17.9
818.09	-10	P		
Medium stiff, black, organic CLAY, low plasticity, moist 816.59		U S H	0.5 P	32.0
Light gray, coarse to fine SANDY LOAM AND GRAVEL, wet		P		
		U S H		11.5
		P		
812.59	-15	U S H		10.3
End of boring @ 16.0'	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

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SOIL BORING LOG

Date 10/18/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 1 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039090.574,996887.368

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 1
Station 173+26 to 179+71 54' RT

BORING NO. RW01-HA06
Station 179+69.7
Offset 46.50ft RT
Ground Surface Elev. 825.07 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 819.1 ft
Upon Completion 818.3 ft
After <24 Hrs. 820.2 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (3") 824.82		P		
Medium stiff, dark yellowish brown CLAY LOAM, low plasticity, moist 823.07		U S H	0.8 P	18.4
Soft, dark yellowish brown SILTY CLAY LOAM, trace gravel, low plasticity, moist 821.07		P		
		U S H	0.3 P	15.7
Soft, dusky yellowish brown SILTY CLAY LOAM, trace gravel, trace organics, low plasticity, moist 819.07 ▼	-5	P		
		U S H	0.3 P	19.4
Dark yellowish brown SANDY LOAM, trace gravel, wet 816.47	▽	P		
		U S H		20.1
Very soft, black organic CLAY, low plasticity, moist Organic content=15.9% 815.07	-10	P		
		U S H	<0.25 P	65.8
Very soft, black CLAY, trace organics, medium plasticity, wet 813.07		P		
		U S H	<0.25 P	37.6
Olive gray, fine SANDY LOAM, trace gravel, wet 811.07		P		
		U S H		15.1
No recovery 809.07	-15	P		
		U S H		
End of boring @ 16.0'	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = $USER$	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 12 STRUCTURE NO. 056–W301	
	CHECKED - AMK	REVISED -			
PLOT SCALE = $SCALE$	DRAWN - RMH	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SB-21 OF SB-21 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	652S
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: SHEETS

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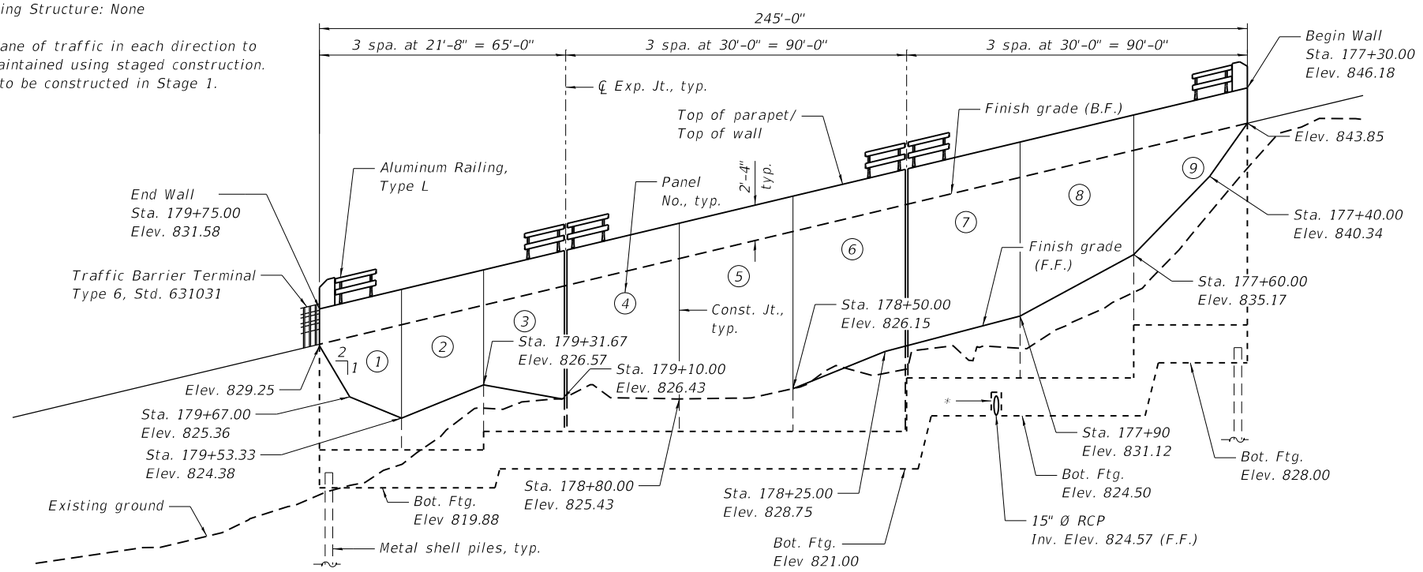
Benchmark: C.P. #340 – #5 rebar in grass parkway. Sta. 177+18, Offset 15.00' Lt., Elev. 842.83

Existing Structure: None

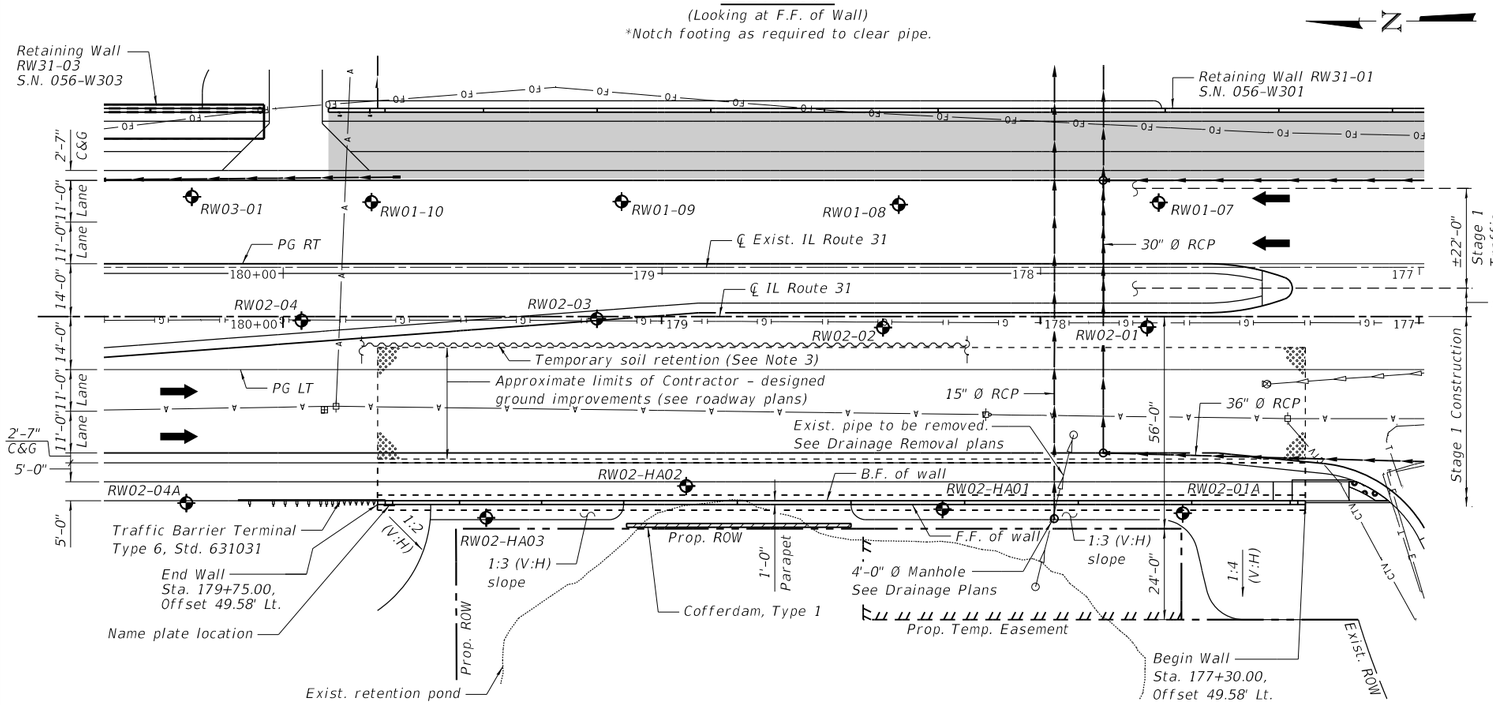
One lane of traffic in each direction to be maintained using staged construction. Wall to be constructed in Stage 1.



ELEVATION

(Looking at F.F. of Wall)

*Notch footing as required to clear pipe.



PLAN

(Wall offsets are measured from the ℄ IL Route 31 to front face of wall)

STA. 177+30.00 TO STA. 179+75.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 336A – SEC. 2019-196-W&R
LOADING HL-93
STR. NO. 056-W302

NAME PLATE

See Std. 515001

WALL ELEVATIONS

Panel (See note 2)	Station	T/ Parapet Elev.	Finish grade (B.F.)
1N	179+75.00	831.58	829.25
1	179+53.33	832.87	830.54
2	179+31.67	834.16	831.83
3	179+10.00	835.45	833.12
4	178+80.00	837.24	834.91
5	178+50.00	839.03	836.70
6	178+20.00	840.82	838.48
7	177+90.00	842.60	840.27
8	177+60.00	844.39	842.06
9	177+30.00	846.18	843.85

LEGEND

- Soil Boring Location
- Exist. Storm Sewer
- Prop. Storm Sewer
- C&G Curb & Gutter, Type B-6.24
- G Exist. Underground Gas
- CTV Exist. Underground CableTV
- T Exist. Underground Telephone
- E Exist. Underground Electric
- A Exist. Aerial Line
- FO Exist. Fiber Optic
- B.F. Back Face
- F.F. Front Face

NOTES:

1. All utilities in conflict with the proposed structure to be relocated prior to construction.
2. Stations and Elevations in the Wall Elevations table are taken from front face of South side of the panel unless otherwise noted.
3. The limits of any temporary soil retention to be determined by the Contractor based on required excavation for ground improvement. See Roadway Plans for ground improvement.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 50,000 psi (M270 Grade 50)
fy = 60,000 psi (Reinforcement)

LICENSED STRUCTURAL ENGINEER
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PROFILE GRADE – IL Route 31

Along LT and RT PG's.

LOCATION SKETCH

GENERAL PLAN & ELEVATION
RETAINING WALL RW31-02 – IL ROUTE 31
F.A.P. 336A – SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 177+30.00 TO STA. 179+75.00
STRUCTURE NO. 056-W302

MODEL: Default
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	CHECKED - AMK	REVISED -			
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PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			

SHEET SC-01 OF SC-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	653
		CONTRACT NO.	62K69	
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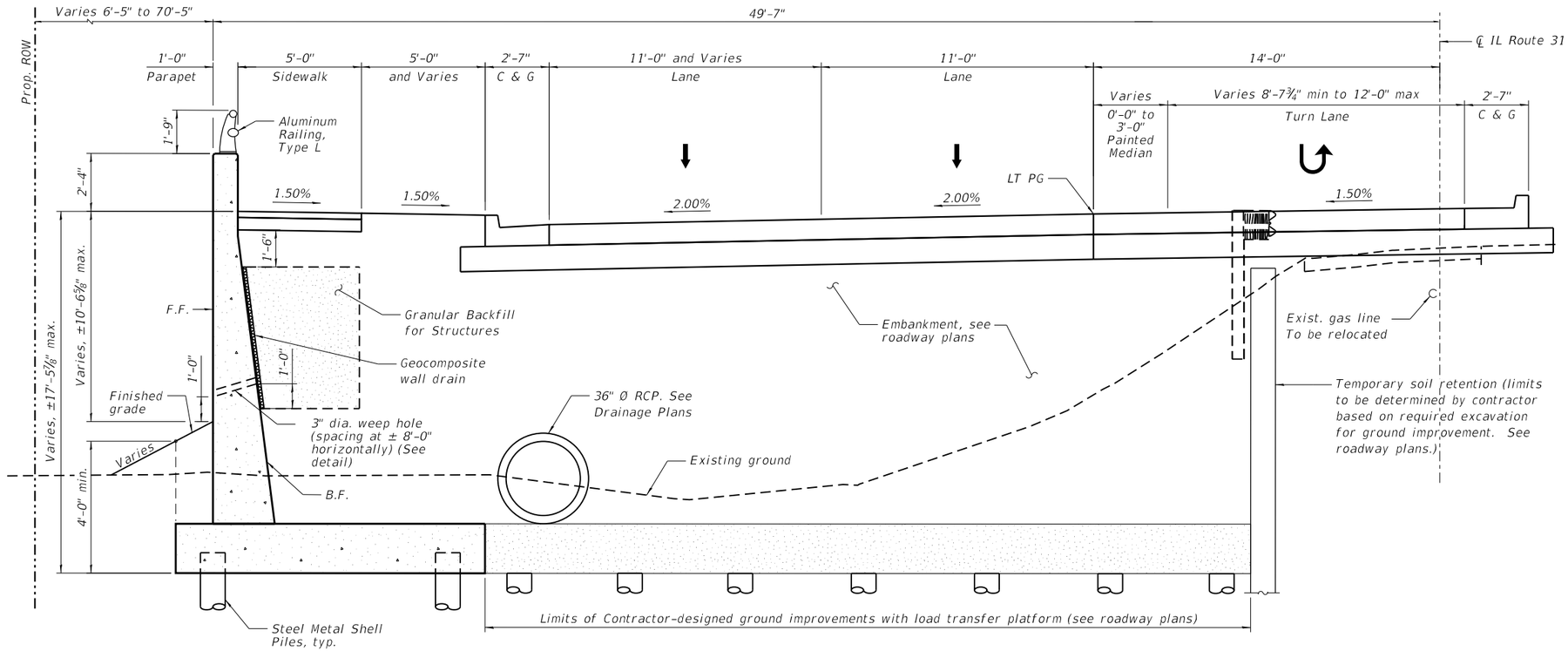
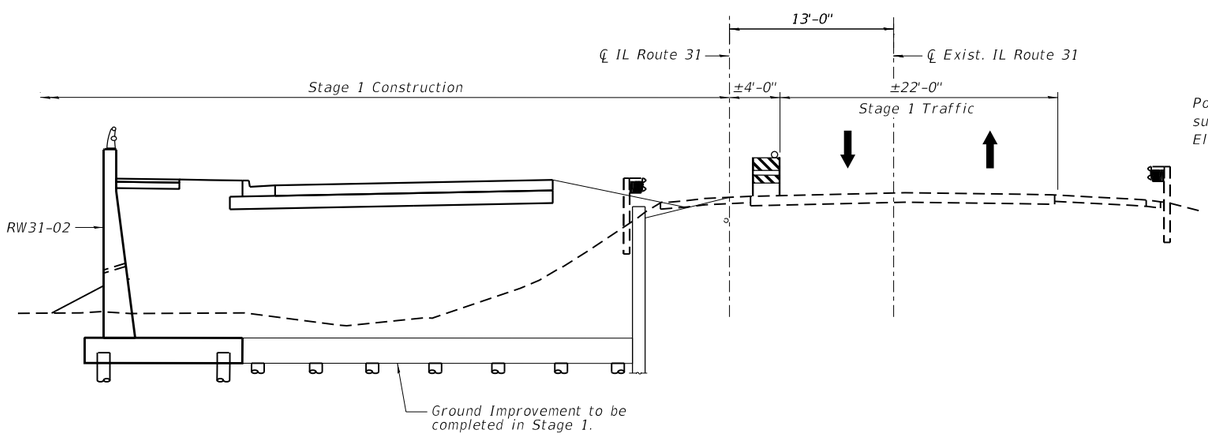
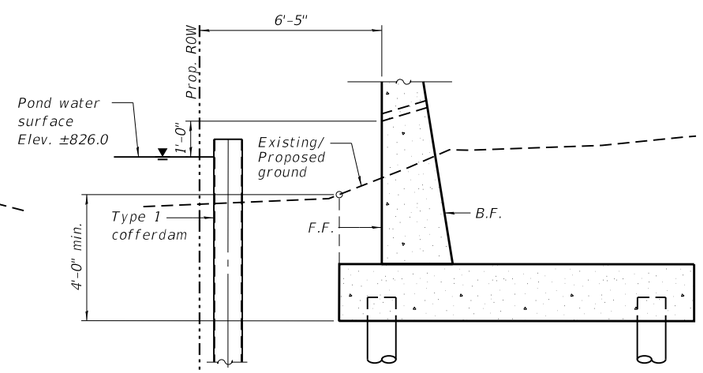


TYPICAL SECTION THRU WALL

Note:
Stem thickness, footing dimensions, pile size, and pile spacing to be determined in final design.



STAGED CONSTRUCTION DETAILS



DETAIL AT POND AREA

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu Yd	585
Cofferdam (Type 1) (Location - 1)	Each	1
Protective Coat	Sq Yd	91
Reinforcement Bars, Epoxy Coated	Pound	42,370
Aluminum Railing, Type L	Foot	237
Furnishing Metal Shell Piles 14" X 0.250"	Foot	5,148
Driving Piles	Foot	5,148
Test Pile Metal Shells	Each	1
Pile Shoes	Each	118
Name Plates	Each	1
Concrete Structures (Retaining Wall)	Cu Yd	398
Granular Backfill For Structures	Cu Yd	216
Geocomposite Wall Drain	Sq Yd	162

GENERAL NOTES:

1. Reinforcing bars designated (E) shall be epoxy coated.

INDEX OF SHEETS

SC-01 General Plan And Elevation
SC-02 General Data
SC-03 Detailed Plan And Elevation 1
SC-04 Detailed Plan And Elevation 2
SC-05 Detailed Plan And Elevation 3
SC-06 Details And Bill Of Material
SC-07 Aluminum Railing, Type L, Details
SC-08 Metal Shell Pile Details
SC-09 Soil Boring Logs 1
SC-10 Soil Boring Logs 2
SC-11 Soil Boring Logs 3
SC-12 Soil Boring Logs 4
SC-13 Soil Boring Logs 5
SC-14 Soil Boring Logs 6

DETAILS
RETAINING WALL RW31-02 - IL ROUTE 31
F.A.P. 336A - SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 177+30.00 TO STA. 179+75.00
STRUCTURE NO. 056-W302

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 056-W302	SHEET SC-02 OF SC-14 SHEETS
	CHECKED - AMK	REVISED -			
PLOT SCALE = 4:0 ':" / in.	DRAWN - RMH	REVISED -			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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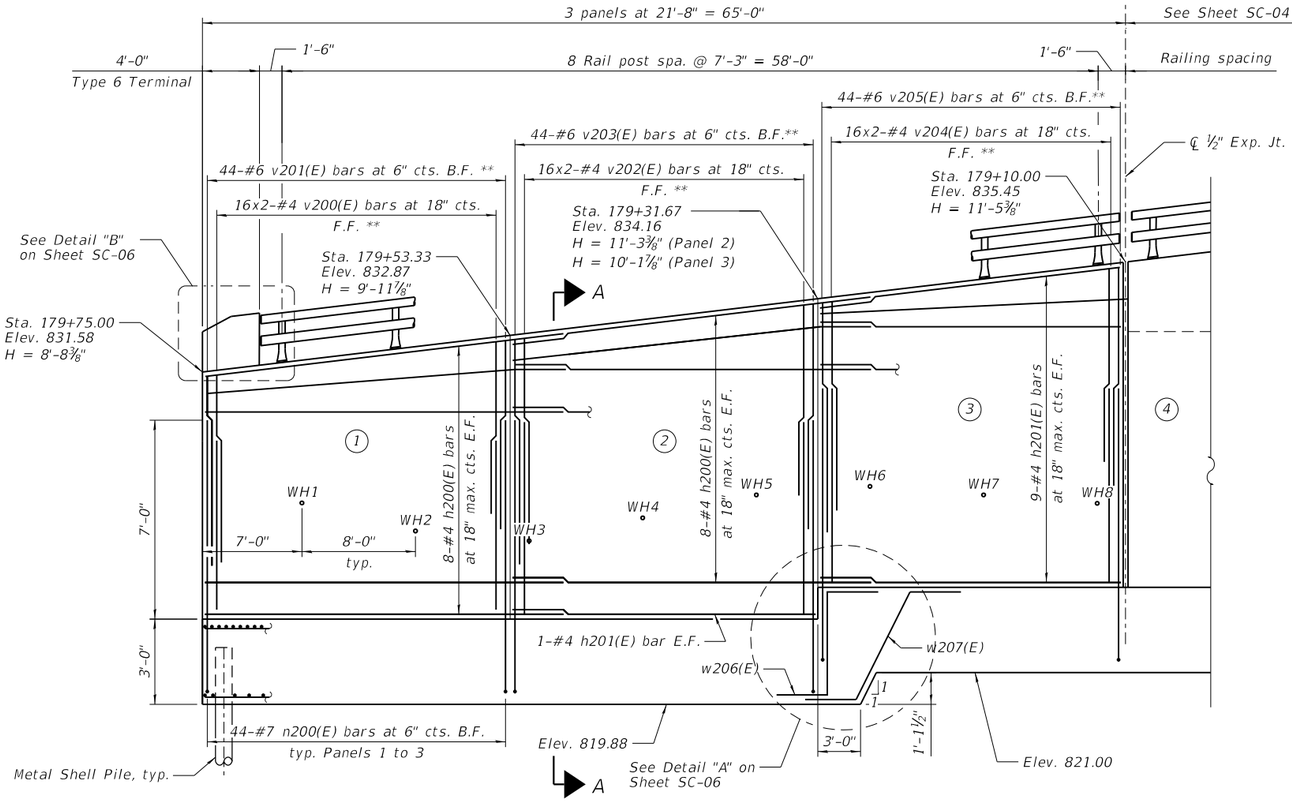
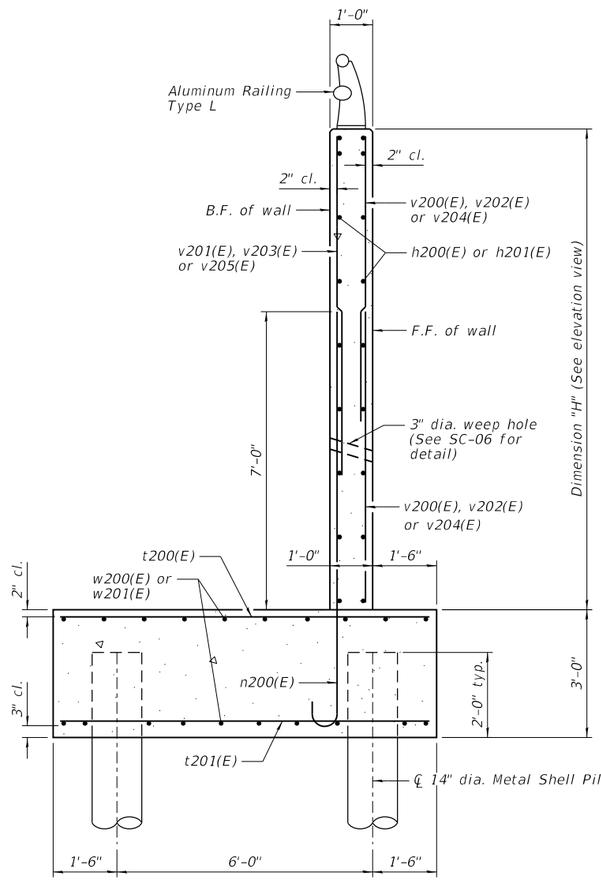


Weep Hole No.	Invert Elev.
WH1	826.85
WH2	825.86
WH3	825.51
WH4	826.32
WH5	827.13
WH6	827.55
WH7	827.49
WH8	827.44

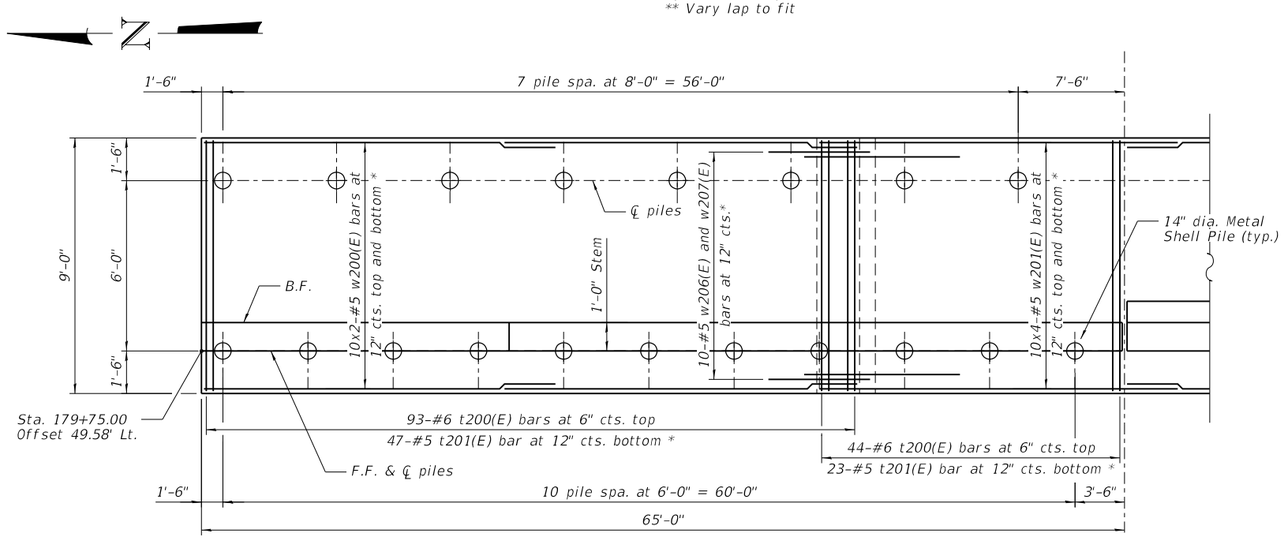
WEEP HOLE ELEVATIONS



SECTION A-A

WALL ELEVATION

(Looking at F.F. of wall)
** Space to miss piles*
*** Vary lap to fit*



FOOTING PLAN

** Space to miss piles*

LEGEND

B.F. - Back Face
F.F. - Front Face
E.F. - Each Face
(1) - Panel number

PILE DATA

Type: Metal Shell 14" w/0.25" walls
Nominal Required Bearing: 459 kips
Allowable Resistance Available: 96 kips
Estimated Length: 44'
No. Production Pile: 117
No Test Piles: 1

MIN. BAR LAPS

#4 bars = 2'-11"
#5 (Horiz.) bars = 3'-7"
#5 (Vert.) bars = 3'-2"
#6 bars = 3'-10"

NOTES

1. Bars indicated thus 10x2-#5 etc. indicates 10 lines of bars with 2 lengths per line.
2. See sheet SC-07 for Aluminum Railing details.

USER NAME = ealbrethsen	DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILED PLAN AND ELEVATION 1 STRUCTURE NO. 056-W302	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 10.6667 ' / in.	DRAWN - JH	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SC-03 OF SC-14 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654A
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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10/4/2024 8:57:50 AM

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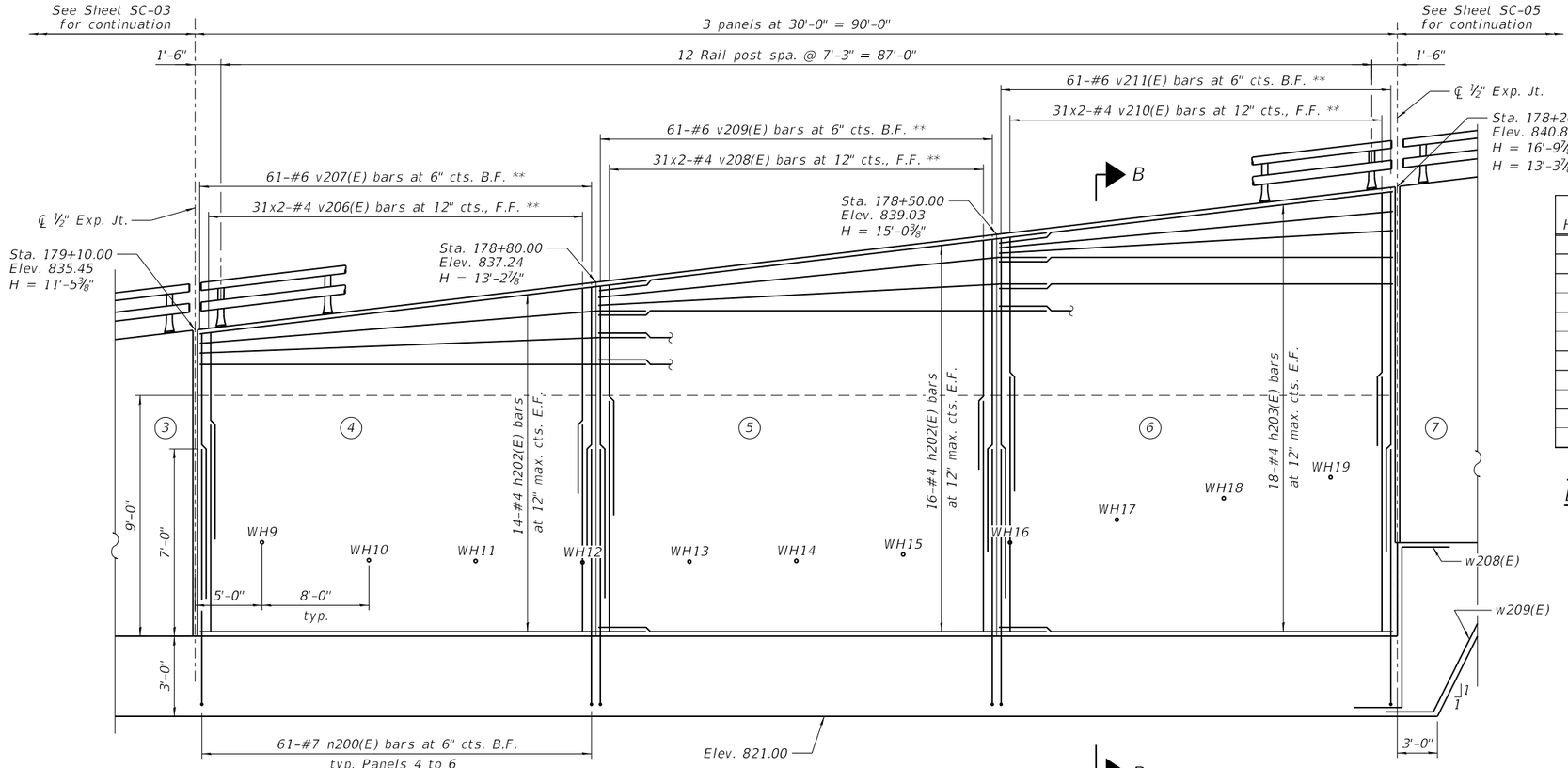
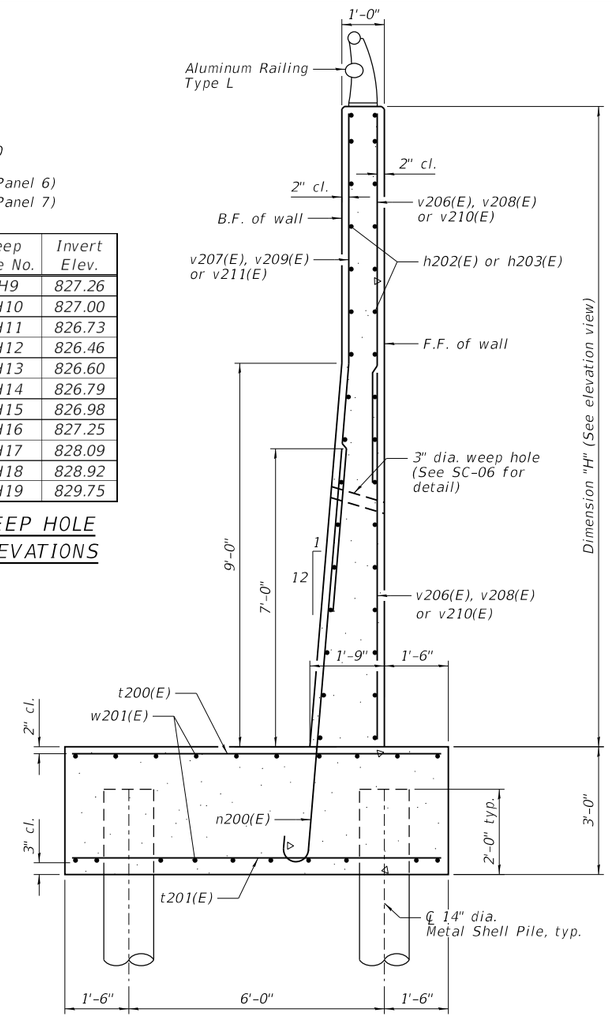


WALL ELEVATION

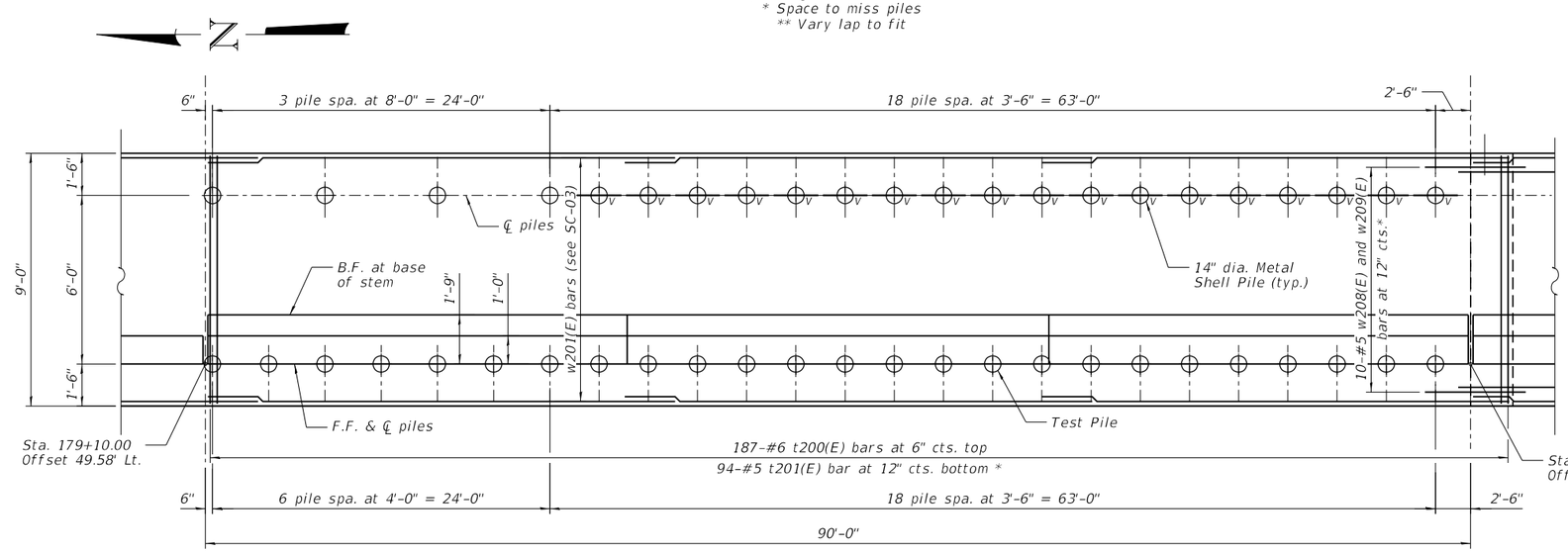
(Looking at F.F. of wall)
* Space to miss piles
** Vary lap to fit

Weep Hole No.	Invert Elev.
WH9	827.26
WH10	827.00
WH11	826.73
WH12	826.46
WH13	826.60
WH14	826.79
WH15	826.98
WH16	827.25
WH17	828.09
WH18	828.92
WH19	829.75

WEEP HOLE ELEVATIONS



SECTION B-B



FOOTING PLAN

* Space to miss piles

LEGEND

B.F. – Back Face
F.F. – Front Face
E.F. – Each Face
(1) – Panel number
– Pile with shear connection. See Detail "D" on SC-06

NOTES

1. Bars indicated thus 10x2-#5 etc. indicates 10 lines of bars with 2 lengths per line.
2. See sheet SC-07 for Aluminum Railing details.

MIN. BAR LAPS

#4 bars = 2'-11"
#5 (Horiz.) bars = 3'-7"
#5 (Vert.) bars = 3'-2"
#6 bars = 3'-10"

USER NAME = ealbrethsen	DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILED PLAN AND ELEVATION 2 STRUCTURE NO. 056-W302	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 10.6667 ' / in.	DRAWN - JH	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SC-04 OF SC-14 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654B
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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10/4/2024 8:58:06 AM

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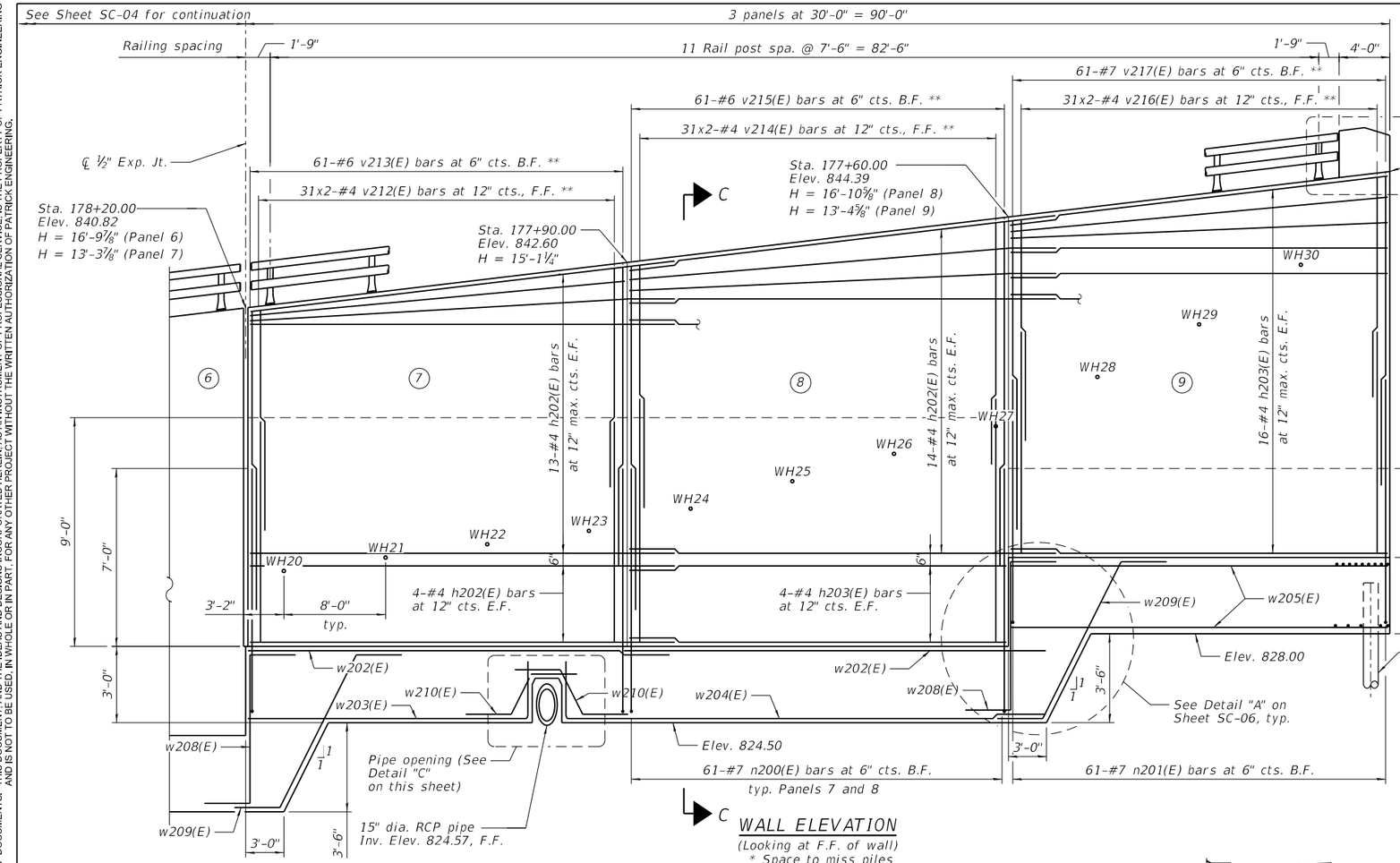
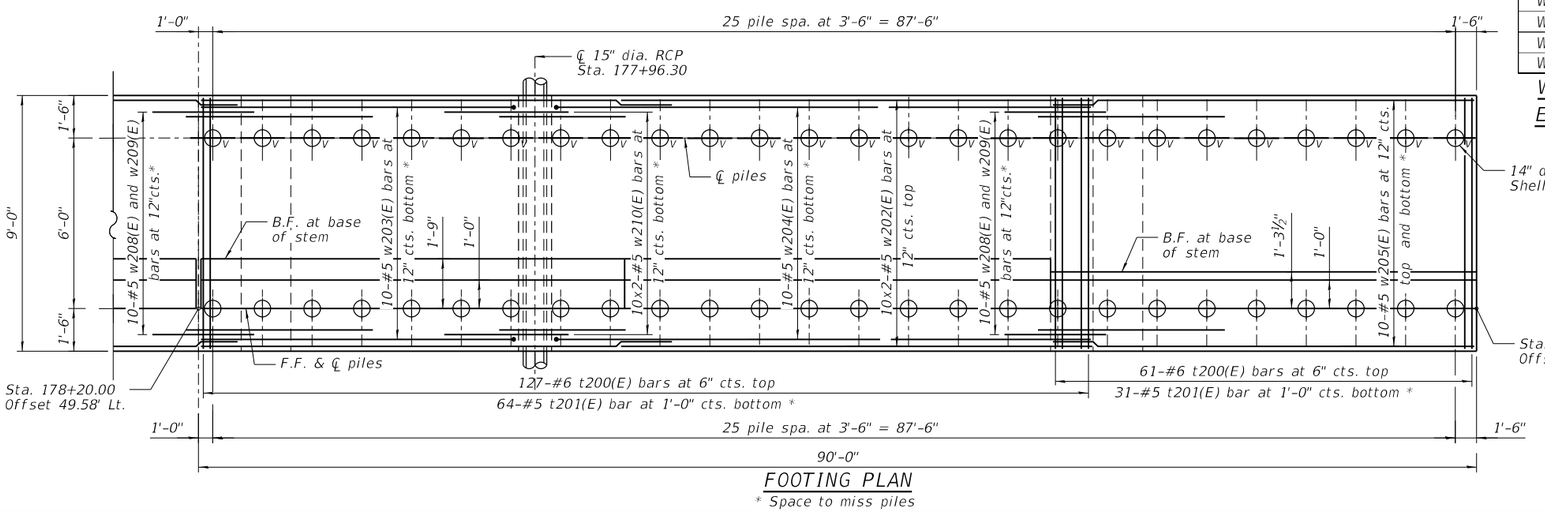
See Sheet SC-04 for continuation



Weep Hole No.	Invert Elev.
WH20	830.30
WH21	830.84
WH22	831.39
WH23	831.93
WH24	832.82
WH25	833.90
WH26	834.98
WH27	836.06
WH28	838.02
WH29	840.09
WH30	842.45

WEEP HOLE ELEVATIONS



FOOTING PLAN

* Space to miss piles

LEGEND

B.F. – Back Face
F.F. – Front Face
E.F. – Each Face
(1) – Panel number
– Pile with shear connection. See Detail "D" on SC-06

NOTES

1. Bars indicated thus 10x2-#5 etc. indicates 10 lines of bars with 2 lengths per line.
2. See sheet SC-07 for Aluminum Railing details.

MIN. BAR LAPS

#4 bars = 2'-11"
#5 (Horiz.) bars = 3'-7"
#5 (Vert.) bars = 3'-2"
#6 bars = 3'-10"
#7 bars = 4'-2"

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		CHECKED - AMK		REVISED -	
PLOT SCALE = 10.6667 ' / in.		DRAWN - JH		REVISED -	
PLOT DATE = 10/4/2024		CHECKED - AMK		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILED PLAN AND ELEVATION 3
STRUCTURE NO. 056-W302
SHEET SC-05 OF SC-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654C
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

10/4/2024 8:58:17 AM

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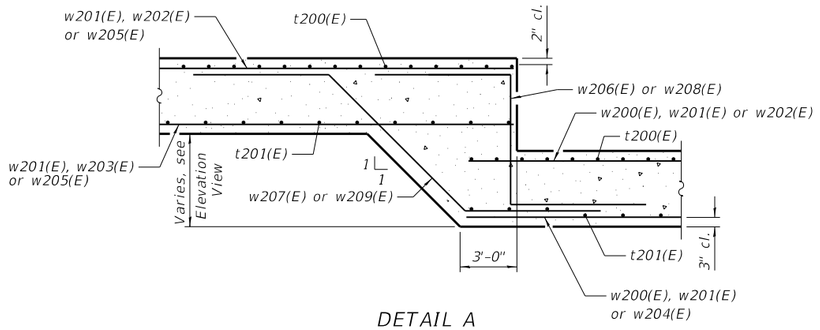
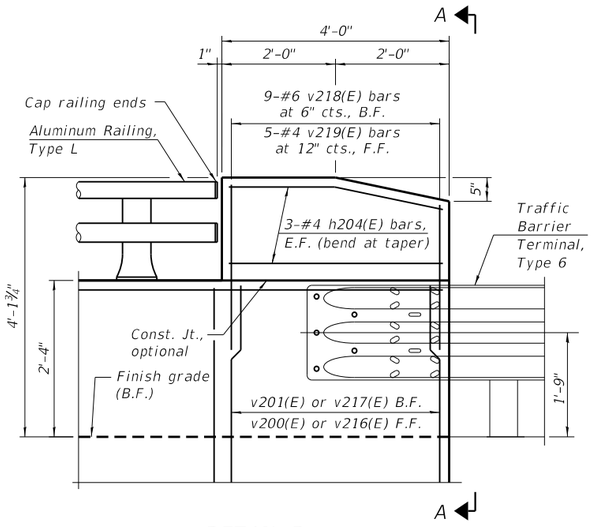
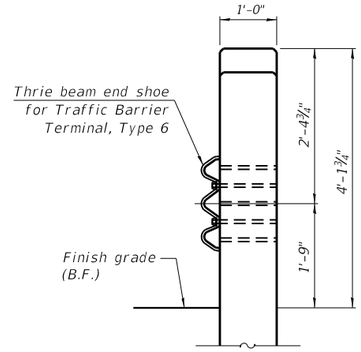


DETAIL A

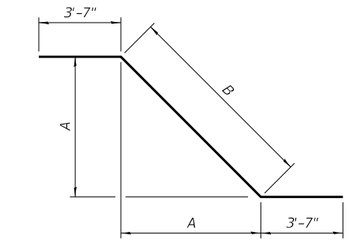


DETAIL B

(North end shown. South end similar, opposite hand)

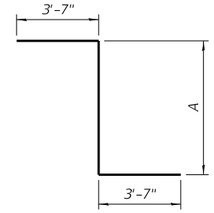


SECTION A-A



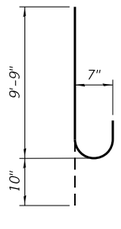
Bar	A	B
w207(E)	3'-7"	5'-1"
w209(E)	6'-0"	8'-6"
w210(E)	1'-8"	2'-4"

BARS w207(E), w209(E) and w210(E)

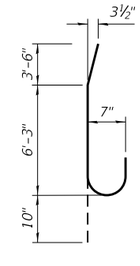


Bar	A
w206(E)	3'-7"
w208(E)	6'-0"

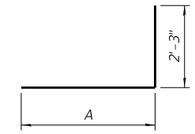
BARS w206(E) and w208(E)



BARS n200(E)



BARS n201(E)

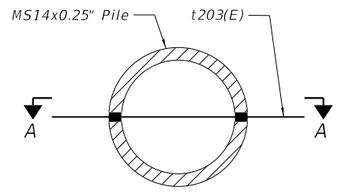


Bar	A
w206(E)	22'-0"
w208(E)	37'-6"

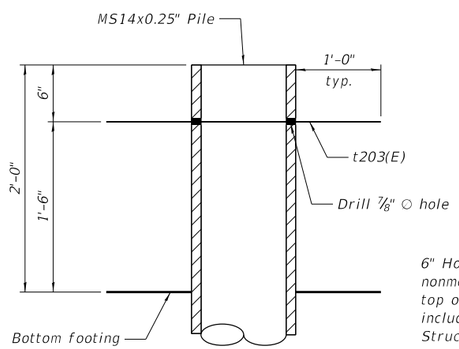
BARS w203(E) and w204(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n200(E)	437	#7	10'-7"	⊂
n201(E)	61	#7	10'-7"	⊂
h200(E)	32	#4	24'-7"	—
h201(E)	20	#4	21'-4"	—
h202(E)	122	#4	32'-11"	—
h203(E)	40	#4	29'-8"	—
h204(E)	12	#4	3'-8"	—
t200(E)	515	#6	8'-8"	—
t201(E)	259	#5	8'-8"	—
t203(E)	44	#6	3'-2"	—
v200(E)	32	#4	6'-1"	—
v201(E)	44	#6	6'-8"	—
v202(E)	32	#4	6'-11"	—
v203(E)	44	#6	7'-11"	—
v204(E)	32	#4	7'-0"	—
v205(E)	44	#6	8'-1"	—
v206(E)	62	#4	7'-11"	—
v207(E)	61	#6	9'-11"	—
v208(E)	62	#4	8'-10"	—
v209(E)	61	#6	11'-8"	—
v210(E)	62	#4	9'-8"	—
v211(E)	61	#6	13'-5"	—
v212(E)	62	#4	8'-10"	—
v213(E)	61	#6	11'-9"	—
v214(E)	62	#4	9'-9"	—
v215(E)	61	#6	13'-7"	—
v216(E)	62	#4	9'-1"	—
v217(E)	61	#7	11'-10"	—
v218(E)	18	#6	5'-8"	—
v219(E)	10	#4	4'-9"	—
w200(E)	40	#5	24'-9"	—
w201(E)	80	#5	31'-4"	—
w202(E)	20	#5	33'-3"	—
w203(E)	10	#5	24'-3"	⌊
w204(E)	10	#5	39'-9"	⌊
w205(E)	20	#5	29'-8"	—
w206(E)	10	#5	10'-9"	⌐
w207(E)	10	#5	12'-3"	⌐
w208(E)	20	#5	13'-2"	⌐
w209(E)	20	#5	15'-8"	⌐
w210(E)	20	#5	9'-6"	⌐
Reinforcement Bars, Epoxy Coated		Pound	42,370	
Concrete Structures (Retaining Wall)		Cu Yd	398	



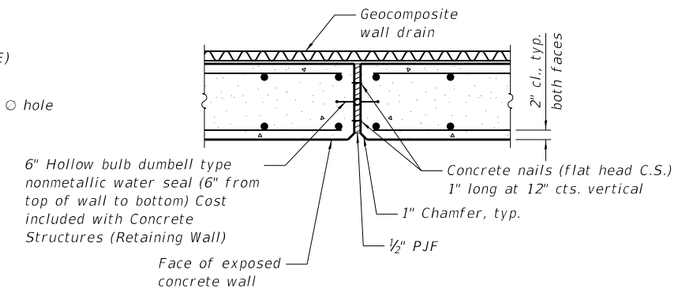
PLAN



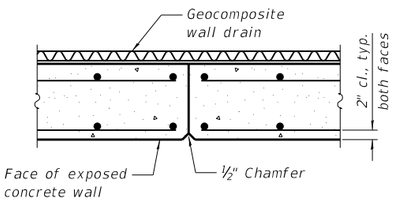
SECTION A-A

DETAIL D

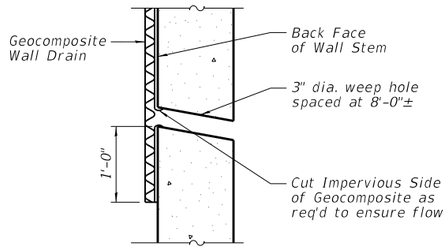
PILE SHEAR ANCHORING



EXPANSION JOINT DETAIL



CONSTRUCTION JOINT



WEEP HOLE DRAIN DETAIL

USER NAME = ealbrethsen	DESIGNED - JH	REVISED -	
	CHECKED - AMK	REVISED -	
PLOT SCALE = 4:0 ':" / in.	DRAWN - JH	REVISED -	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS AND BILL OF MATERIAL
STRUCTURE NO. 056-W302
SHEET SC-06 OF SC-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654D
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

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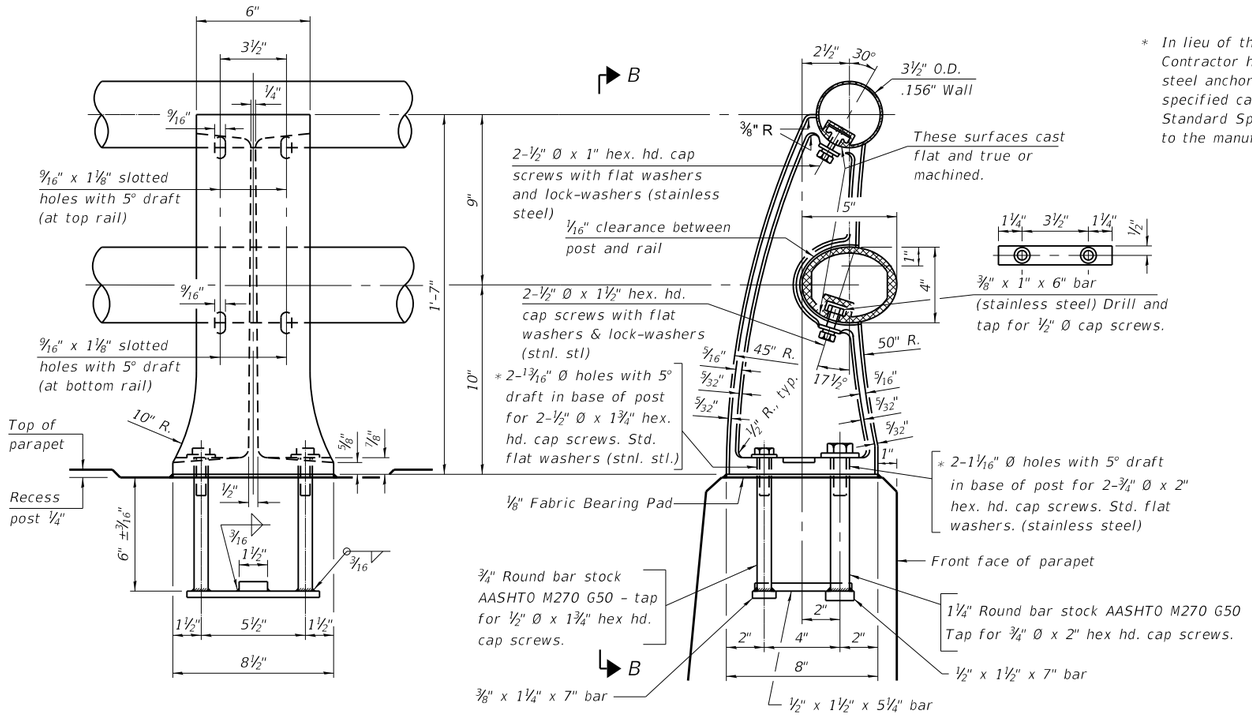


* *In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.*

BILL OF MATERIAL

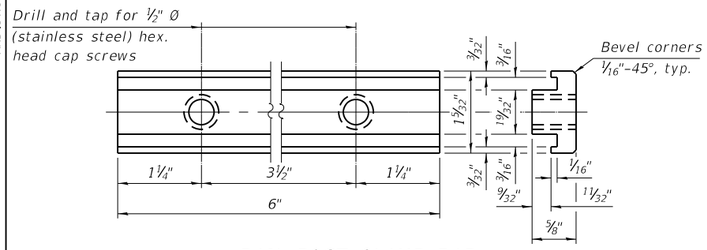
Item	Unit	Quantity
Aluminum Railing, Type L	Foot	237

Note: The end rail post shall be set back as required for the terminal rail section.

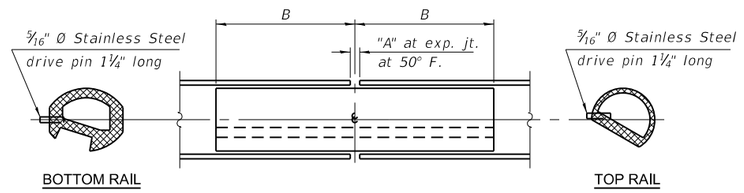
VIEW B-B

SECTION A-A

RAIL POST DETAILS



RAIL POST CLAMP BAR
For Top Rail



RAIL SPLICE

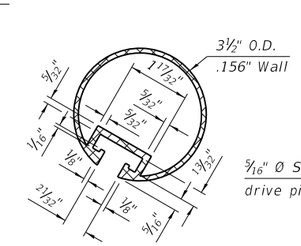
SPLICE DIMENSIONS

Location	T	A	B
All locs. not over exp. jts.	0	⅜"	1'-2"
Over Strip Seal Jt.	≤4"	2½"	1'-2"
Over Finger or Modular Jt.	≤9½"	5½"	1'-7¾"
Over Finger or Modular Jt.	≤15"	8¼"	2'-1¼"

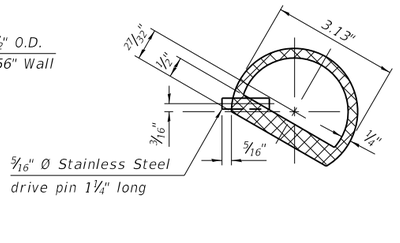
T = ; total movement along centerline of roadway at expansion joint.

RAILING CRITERIA

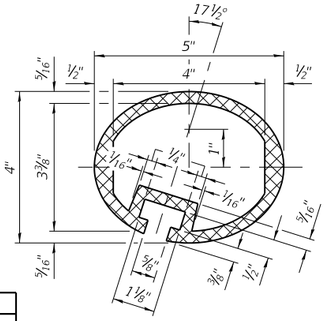
NCHRP 350 Test Level	4
Post Spacing Range	7'-0" - 10'-0"
Rail Weight (plf)	40



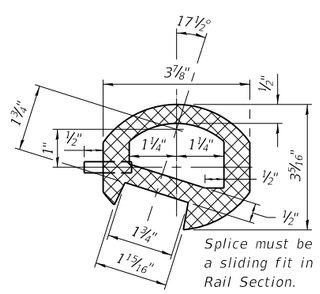
SECTION THRU TOP RAIL



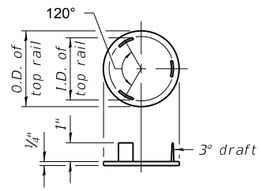
SECTION THRU TOP RAIL SPLICE



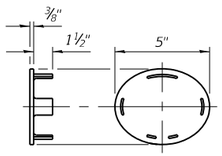
SECTION THRU BOTTOM RAIL



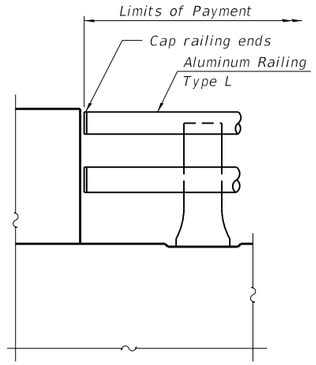
SECTION THRU BOTTOM RAIL SPLICE



CAST END CAP
For top rail
Drive Fit Type



CAST END CAP
For bottom rail
Drive Fit Type



RAIL END TREATMENT

Notes:

All Posts shall be normal to parapet.

All joints in rail shall be spliced per detail.

All exposed rail ends shall be capped per detail.

Provide 1-⅛" and 2-1/16" Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade, high spots shall be ground and low spots shimmed.

Place reinforcement bars to miss anchor rod locations.

See sheet of for rail post spacing.

MODEL: Default
FILE NAME: C:\SHT-056W302-62K69-railing-SC07.dgn

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALUMINUM RAILING, TYPE L STRUCTURE NO. 056-W302	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 0:2 ':' / in.	DRAWN - RMH	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SC-07 OF SC-14 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654E
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

10/4/2024 8:58:33 AM

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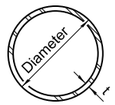
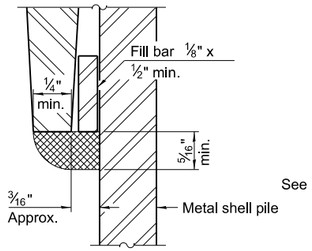
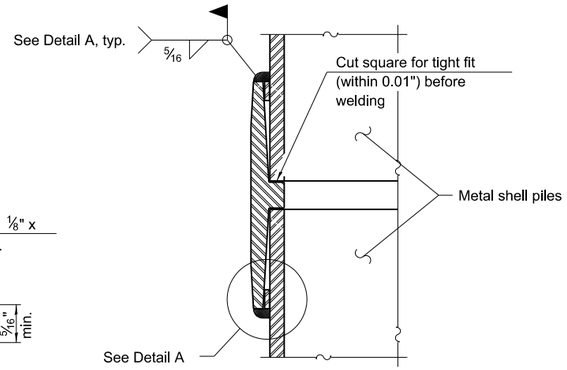


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd.³/ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470

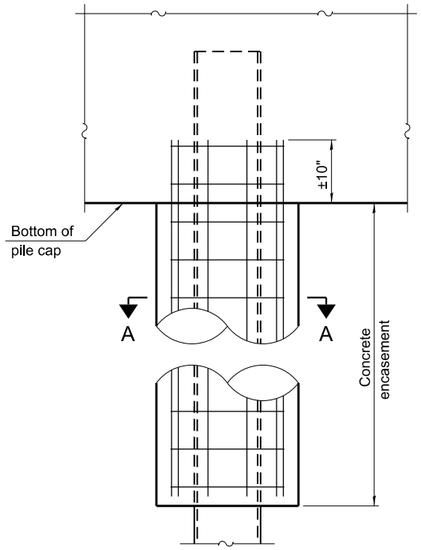


DETAIL A

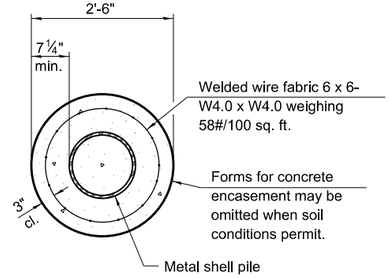


WELDED COMMERCIAL SPLICE

Notes:
The ⅛" x ½" min. fill bar may be constructed of 2 bars with a ⅛" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

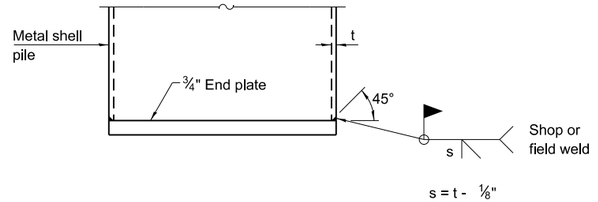


ELEVATION

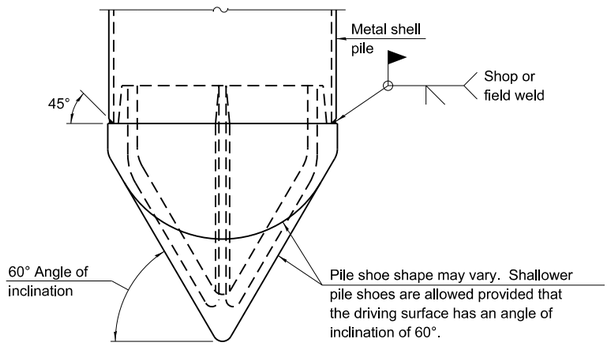


SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT
(When specified)



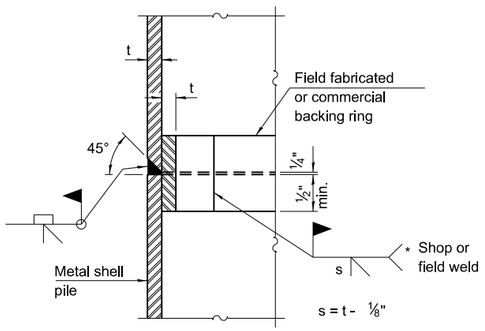
END PLATE ATTACHMENT



PILE SHOE ATTACHMENT

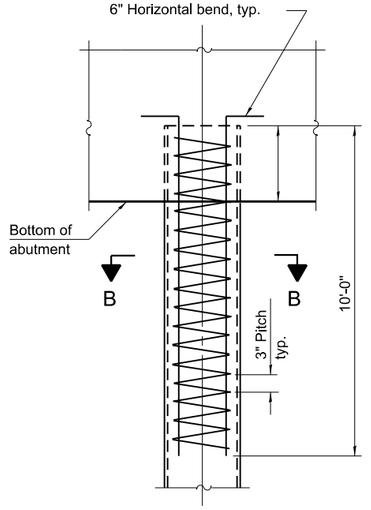
(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

* See sheet SE-03 & SE-04 for post spacing

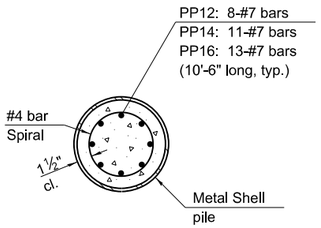


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



SECTION B-B

REINFORCEMENT AT ABUTMENTS
(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F-MS 5-15-2023

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	METAL SHELL PILE DETAILS STRUCTURE NO. 056-W302
	CHECKED - AMK	REVISED -		
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -		SHEET SC-08 OF SC-14 SHEETS
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654F
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: C:\5HT-056W302-62K69-pile-SC08.dgn

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www.interraservices.com

SOIL BORING LOG

Date 6/9/22

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038892.177,996838.979

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-01
Station 177+72
Offset 3.00ft LT
Ground Surface Elev. 839.82 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (12")				
838.82				
GRAVEL BASE COURSE (5") 838.42		5		
Medium dense, brown, SANDY LOAM, dry		5		11.9
		6		
		8		
Medium dense, trace fine gravel		9		9.5
	-5	7		
		6		
Medium dense, moist		7		8.0
		5		
831.82				
Loose, brown, SANDY CLAY, moist		3		
		4		13.1
	-10	5		
829.32				
Stiff, brown, SILTY CLAY, moist		3		
		2		25.8
		3	1.2 S	
		2		
Stiff		3		25.3
	-15	4	1.5 B	
824.32				
Stiff, grayish green, SILTY CLAY, moist		3		
		3		22.5
		4	0.8 B	
821.32				
Medium dense, brown, coarse to fine SANDY CLAY LOAM, moist		7		
		5		11.9
	-20	9		
819.32				
Medium stiff, gray, SILTY CLAY, moist		13		
		9		11.7
		4	0.9 B	
		3		
Stiff, trace fine gravel		5		11.4
814.82	-25	9	1.7 B	
End of boring at 25'.				
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/18/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038882.571,996789.847

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-01A
Station 177+62.4
Offset 51.90ft LT
Ground Surface Elev. 831.43 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud rotary ft
After Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (9")				
830.68				
Very soft, black, organic CLAY, medium plasticity, moist		3		
Organic content=20.2%		3		51.2
		4	<0.25 P	
		2		
		2		45.3
	-5	4	<0.25 P	
		3		
		6		42.7
		8	<0.25 P	
823.43				
Very stiff, pale olive SILTY CLAY LOAM, low plasticity, moist		3		
LL=29%, PI=11%		5		20.3
	-10	6	2.3 B	
820.93				
Stiff, gray SILTY CLAY LOAM, low plasticity, moist		P		
Shelby tube @ 11-13'		U S H	1.5 P	22.0
818.43				
No recovery		4		
		8		
	-15	8		
815.93				
Stiff, moderate yellowish brown SILTY CLAY LOAM, trace gravel, low plasticity, moist		4		
		8		11.9
		8		
813.43				
Very stiff, olive gray SILTY CLAY LOAM, trace gravel, low plasticity, moist		4		
		9		11.7
	-20	12	2.0	
810.93			P	
Hard, light olive gray SILTY CLAY, trace gravel, medium plasticity, moist		6		
		10		15.0
		11	4.9 B	
808.43				
No recovery		5		
		10		
	-25	15		
805.93				
Stiff, light olive gray SILTY CLAY, trace gravel, medium plasticity, moist		5		
		10		19.7
		15		
803.43				
Very stiff, light olive gray SILTY CLAY, trace gravel, medium plasticity, moist		8		
		12		12.7
	-30	12	3.8 P	
799.43				
Hard, light olive gray SILTY CLAY, trace gravel, medium plasticity, moist		5		
		8		18.2
	-35	14	4.6 B	
794.43				
Medium dense, light olive gray, fine SANDY LOAM, little gravel, wet		6		
		8		14.9
	-40	12		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/18/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038882.571,996789.847

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-01A
Station 177+62.4
Offset 51.90ft LT
Ground Surface Elev. 831.43 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud rotary ft
After Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense, light olive gray, fine SANDY LOAM, little gravel, wet *(continued)*				
789.43				
Medium dense, light olive gray, fine SAND, wet		8		
		9		18.1
	-45	12		
784.43				
Medium dense, light olive gray, SILT, wet		8		
		5		18.5
	-50	10		
779.43				
Soft, pale yellowish brown SILTY CLAY LOAM, low plasticity, moist		4		
		5		10.8
	-55	8	0.4 B	
774.43				
Very dense, light olive gray SILTY LOAM, trace gravel, low plasticity, moist		16		
		43		9.4
	-60	43		
Very dense, light olive gray SILTY LOAM, trace gravel, low plasticity, moist *(continued)*				
769.43				
Hard, light olive gray SILTY CLAY LOAM, low plasticity, moist		12		
		15		9.2
766.43	-65	22	4.6 B	
End of boring @ 65'				
	-70			
	-75			
	-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/4/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038961.918,996838.543 (offset 4' E)

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-02
Station 178+42
Offset 3.00ft LT
Ground Surface Elev. 835.33 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 816.8 ft
Upon Completion 820.3 ft
After Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (12")				
834.33				
Medium dense, brown SAND FILL, some rock aggregates, trace gravel. Moist.		27		
		14		6.2
		8		
		5		
		7		9.0
	-5	9		
829.83				
Loose, light brown SANDY LOAM FILL, trace cobbles. Moist.		2		
		2		24.1
		4		
827.33				
Loose, brown SAND. Moist.		3		
		2		5.0
	-10	3		
824.83				
Medium dense, black PEAT. Moist. Organic Content=33.5%		3		
		5		85.3
		5		
822.33				
Medium stiff to stiff, greenish gray and gray SILTY CLAY. Moist.		3		
		3		28.9
	▽ -15	3		
			0.5	
		3		
		3		26.8
		2		
			1.25	
816.33		4		
Medium dense, gray SAND. Wet.	-20	7		21.5
814.83		5		
Medium dense, gray SAND. Wet. *(continued)*				
		8		
Medium dense, gray SAND AND GRAVEL. Wet.		9		12.2
		11		
812.33				
Medium dense, gray SILTY CLAY LOAM, trace gravel. Moist.		7		
		7		12.3
810.33	-25	7		
End of Boring @ 25'.				
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = eallbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED - AMK	REVISED -	
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

SOIL BORING LOGS 2
STRUCTURE NO. 056–W302
SHEET SC-10 OF SC-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654H
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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10/4/2024 8:58:54 AM

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SOIL BORING LOG

Date 11/4/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039037.462,996840.513 (offset 5' E & 10' S)

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-03
Station 179+17
Offset 1.00ft LT
Ground Surface Elev. 831.01 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 820.0 ft
Upon Completion 822.0 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (10") 830.18			
Dense brown SANDY LOAM FILL, trace gravel, cobbles and light gray rock aggregates. Moist.	12		
	14 16		5.9
827.01	12		
Medium dense, brown SAND FILL, some gravel, trace cobbles and brick. Moist. 825.51	14 12		6.3
Medium dense, brown SAND AND GRAVEL FILL, some light gray rock aggregate. Moist.	13		
	10 6		5.0
823.01			
Loose, brown SAND FILL, some gravel, trace cobbles. Moist.	2		
	2 3		16.6
820.51			
Loose, brown SAND, some gravel. Wet.	1		
	1 4		13.5
818.01			
Medium stiff, black and greenish gray SILTY CLAY. Moist. Organic content=3.2%	5		
	7 9	0.5 P	30.7
815.51			
Loose, black and lightly greenish gray SILTY LOAM. Moist.	3		
	4 5		41.4
	3		
811.51	9 9	4.1	12.7
Hard brown CLAY, trace cobbles. Moist. (continued) 810.51		B	
Hard , gray CLAY, trace gravel. Moist.	4		
	6 9	5.3 B	12.7
	5		
	9 12	6.3 B	13.8
806.01			
End of Boring @ 25'.			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
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SOIL BORING LOG

Date 11/4/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Abde Sellah

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039115.448,996839.678

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-04
Station 179+95
Offset 1.00ft LT
Ground Surface Elev. 826.36 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 817.9 ft
Upon Completion Caved @ 6' ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (12") 825.36			
Dense, brown SAND AND GRAVEL FILL, trace light gray aggregate. Moist.	11		
	11 21		5.7
823.36			
Medium dense, light brown SANDY LOAM FILL, little gravel, trace brick and concrete. Moist.	6		
	8 10		10.1
	6		
	6 4		7.0
818.36			
Loose, light brown SANDY LOAM FILL, little gravel, trace brick and concrete. Wet.	2		
	3 2		12.1
815.86			
Loose, black ORGANIC CLAY FILL. Moist. Organic content=7.4%	2		
	2 2		81.6
812.36	2		
Loose, brown and greenish gray SILTY CLAY LOAM, trace gravel. Moist.	2 4		15.1
810.86			
Medium dense, brown and greenish gray SILTY CLAY LOAM, trace gravel. Moist.	3		
	8 10		15.2
808.36			
Very stiff, greenish gray CLAY, trace gravel. Moist.	4		
	6 7	3.7	12.0
805.86		B	
Hard, gray CLAY, trace gravel and cobbles. Moist.	5		
	6 8	4.6 B	15.4
	4		
	6 8	4.1 B	18.8
801.36			
End of Boring @ 25'.			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

MODEL: Default
FILE NAME: C:\SHT-056W302-62K69-sboring-SC11.dgn
10/4/2024 8:59:07 AM

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	
	CHECKED - AMK	REVISED -	
PLOT SCALE = 0:2 ':' / in.	DRAWN - RMH	REVISED -	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 3
STRUCTURE NO. 056-W302
SHEET SC-11 OF SC-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654I
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039145.631,996791.351

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-04A
Station 180+25.5
Offset 49.20ft LT
Ground Surface Elev. 815.32 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Medium stiff, very dark brown CLAY LOAM fill, medium plasticity, moist Organic content=9.7%
	2			
	3		22.1	
	2	0.5 P		
	3			
-5	5		47.1	
	7			
809.82				
				Medium dense, light grayish brown SAND AND GRAVEL, moist
	5			
	5		12.4	
	7			
807.32				
				Dense, grayish brown SANDY LOAM AND GRAVEL, moist
	7			
	20		10.9	
-10	18			
804.82				
				Medium stiff, greenish gray SANDY CLAY LOAM, some gravel, low plasticity, moist
	5			
	4		13.8	
	8	0.8 P		
802.32				
				Stiff, greenish gray CLAY LOAM, trace gravel, medium plasticity, moist
	3			
	6		11.3	
-15	8	1.1 B		
799.82				
				Medium dense, gray GRAVEL, wet
	12			
	11		23.1	
	14			
797.32				
				Stiff, gray SILTY CLAY, trace gravel, medium pasticity, moist
	5			
	6		13.5	
-20	9	1.5		
		S		Stiff, gray SILTY CLAY, trace gravel, medium pasticity, moist *(continued)*
	5			
	7		16.4	
	9	1.8 S		
792.32				
				Very stiff, gray SILTY CLAY, trace gravel, medium pasticity, wet
	10			
	8		16.4	
-25	10	2.0 P		
789.32				
				Very stiff, gray CLAY, trace gravel, medium plasticity, moist
	7			
	10		9.8	
	12	2.1 S		
786.32				
	6			
	12		17.9	Medium dense, grayish brown SAND, some gravel, wet
-30	12			
781.32				
	10			
	10		12.1	Hard, brown CLAY LOAM, trace gravel, medium plasticity, moist
-35	13	5.1 S		
778.32				
				Hard, grayish brown CLAY LOAM, medium plasticity, moist
	16			
	13		16.9	
-40	15	4.6		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/17/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Boland

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039145.631,996791.351

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-04A
Station 180+25.5
Offset 49.20ft LT
Ground Surface Elev. 815.32 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud rotary ft
After ____ Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	3	S		Hard, grayish brown CLAY LOAM, medium plasticity, moist *(continued)*
773.32				
				Very stiff, grayish brown SILTY CLAY LOAM, low plasticity, moist
	13			
	17		13.2	
-45	14	3.4 S		
768.32				
				Hard, grayish brown SILTY CLAY LOAM, low plasticity, moist
	23			
	46		14.3	
-50	50/4"	5.1 S		
763.32				
				Dense, gray SILTY LOAM, wet
	20			
	20		18.3	
760.32 -55	29			
				End of boring @55.0'
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

PATRICK a Ric company	USER NAME = eallbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 4 STRUCTURE NO. 056–W302
		CHECKED - AMK	REVISED -		SHEET SC-12 OF SC-14 SHEETS
	PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -		
	PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	654J
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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SOIL BORING LOG

Date 10/19/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2038948.634,996790.637

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-HA01
Station 178+25.8
Offset 50.80ft LT
Ground Surface Elev. 828.02 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 817.0 ft
Upon Completion 817.8 ft
After _____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
~~827.72~~ TOPSOIL (4")		P		
~~827.02~~ Very soft, gray SILTY CLAY fill, medium plasticity, moist		U S H	<0.25 P	23.4
Crumbly, black, organic CLAY, moist		P		
		U S H		65.3
Organic content=64.2%		P		
	-5	U S H		216.5
822.02 Very soft, gray SILTY CLAY LOAM, medium plasticity, moist Organic content= 4.8% LL=55%, PI=21%		P		
		U S H	<0.25 P	65.4
820.02 Very soft, greenish gray CLAY, medium plasticity, moist		P		
		U S H	<0.25 P	32.6
818.02 Very soft, greenish gray SILTY CLAY, low plasticity, moist	-10	P		
		U S H	<0.25 P	27.2
		P		
		U S H	<0.25 P	27.8
814.02 Light olive gray, coarse to fine SAND AND GRAVEL, wet		P		
	-15	U S H		10.7
812.02 End of boring @ 16.0'				
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/19/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 2 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2039013.661,996796.475

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-HA02
Station 178+93.5
Offset 44.70ft LT
Ground Surface Elev. 826.85 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 817.9 ft
Upon Completion 818.1 ft
After _____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very soft, black, organic CLAY, low plasticity, moist		P		
		U S H	<0.25 P	76.6
Organic content= 29.5%		P		
		U S H	<0.25 P	135.7
		P		
	-5	U S H	<0.25 P	99.1
		P		
		U S H	<0.25 P	101.9
817.85		P		
Dark gray, coarse to fine SANDY LOAM, wet	-10	U S H		61.0
816.85 Very stiff, pale yellwosh brown SILTY CLAY LOAM, low plasticity, moist LL=18%, PI=6%		P		
		U S H	3.3 P	12.8
814.85 Stiff, pale yellwosh brown SILTY CLAY LOAM, low plasticity, moist		P		
		U S H	1.5 P	12.3
812.85 Very stiff, yellwosh brown SILTY CLAY, medium plasticity, moist	-15	P		
		U S H	3.8 P	13.6
810.85 End of boring @ 16.0'				
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

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Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/19/23

ROUTE IL 31 **DESCRIPTION** Retaining Wall No. 2 **LOGGED BY** Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 **LOCATION** 2039066.388,996787.801

COUNTY McHenry **DRILLING METHOD** Geoprobe LB Sampler **HAMMER TYPE** Jack Hammer

STRUCT. NO. Retaining Wall No. 2
Station 177+56 to 180+00 49' LT

BORING NO. RW02-HA03
Station 179+46.3
Offset 53.10ft LT
Ground Surface Elev. 822.55 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 816.1 ft ▼
Upon Completion 815.7 ft ▽
After _____ **Hrs.** Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (9") 821.80		P		
Crumbly, black, organic CLAY, moist 820.55		U S H		38.3
Dark yellowish orange, fine SANDY LOAM, moist 819.85		P		
Crumbly, black, organic CLAY, moist 818.55		U S H		24.3
Crumbly, black, organic CLAY, trace gravel, moist Organic content= 14.0%	-5	P		
		U S H		52.6
816.05 ▼ ▽		P		
Very pale orange,coarse to fine SANDY LOAM AND GRAVEL, wet 814.55		U S H		48.9
Very soft, light olive gray CLAY, wet 813.85		P		
Moisture=49.1%, Organic content=3.9%		U S H	1.0 P	16.0
Stiff, pale orange SILTY CLAY LOAM, low plasticity, moist 812.55	-10	P		
Very pale orange, coarse to fine SANDY LOAM, wet 810.55		U S H		40.4
Very stiff, yellowish brown SILTY CLAY LOAM, low plasticity, moist 809.55				10.8
Auger refusal @ 13.0' End of boring @ 13.0'			2.8 P	
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 6 STRUCTURE NO. 056–W302	F.A.P. RTE. 336A; SECTION 2019-196-W&R; COUNTY McHENRY; TOTAL SHEETS 835; SHEET NO. 654L
	CHECKED - AMK	REVISED -			CONTRACT NO. 62K69
PLOT SCALE = 0:2 ':" / in.	DRAWN - RMH	REVISED -			ILLINOIS FED. AID PROJECT
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SC-14 OF SC-14 SHEETS	

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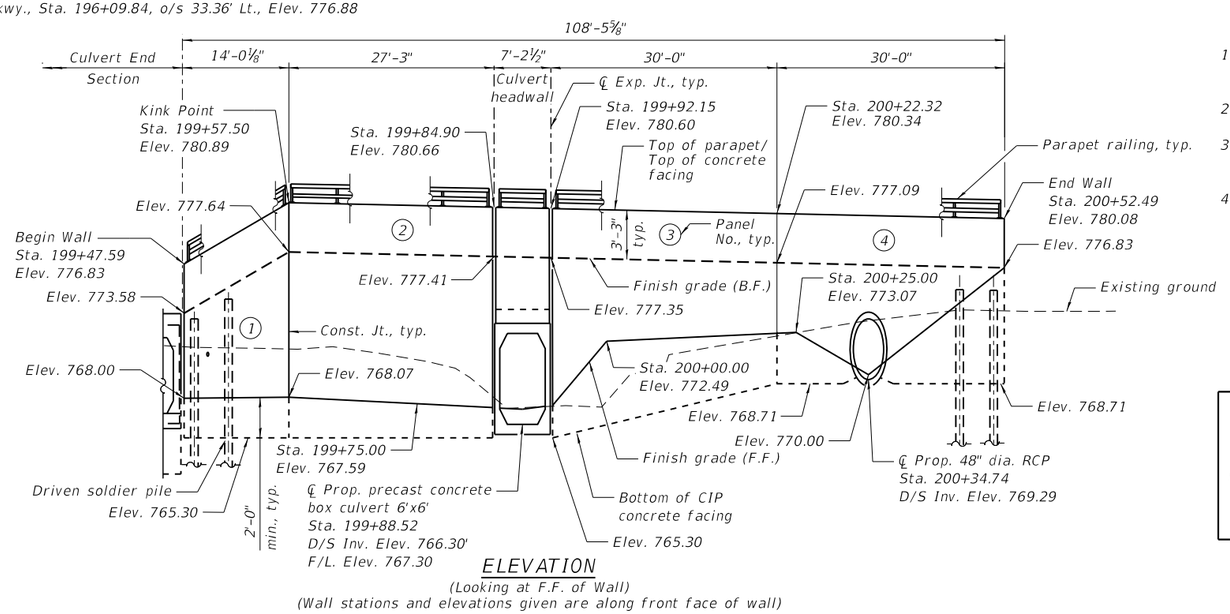
Benchmark: C.P. #360 – #5 rebar in grass pkwy., Sta. 196+09.84, o/s 33.36' Lt., Elev. 776.88

Existing Structure: None

One lane of traffic in each direction to be maintained using staged construction. Wall to be constructed in Stage 1A.



ELEVATION

(Looking at F.F. of Wall)

(Wall stations and elevations given are along front face of wall)

NOTES:

1. All utilities in conflict with the proposed structure to be relocated prior to construction.
2. See sheet SD-02 of SD-09 for Section A-A.
3. Wall is constructed on a straight line between the two points shown.
4. Between Stations 199+52 and 199+90, a 5'-0" depth of unsuitable material shall be removed and replaced between offsets 25' Rt. to 38' Rt. Final limits to be determined in the field. The removal and replacement shall be completed prior to the placement of LCCF.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 50,000 psi (M270 Grade 50)
fy = 60,000 psi (Reinforcement)

STA. 199+47.59 TO STA. 200+52.49
BUILT 20xx BY
STATE OF ILLINOIS
F.A.P. RT. 336A – SEC. 2019-196-W&R
LOADING HL-93
STR. NO. 056-W306

NAME PLATE

See Std. 515001

LICENSED STRUCTURAL ENGINEER
ARSALAN M. KHAN
081-006258
STATE OF ILLINOIS

Arsalan M. Khan S.E.
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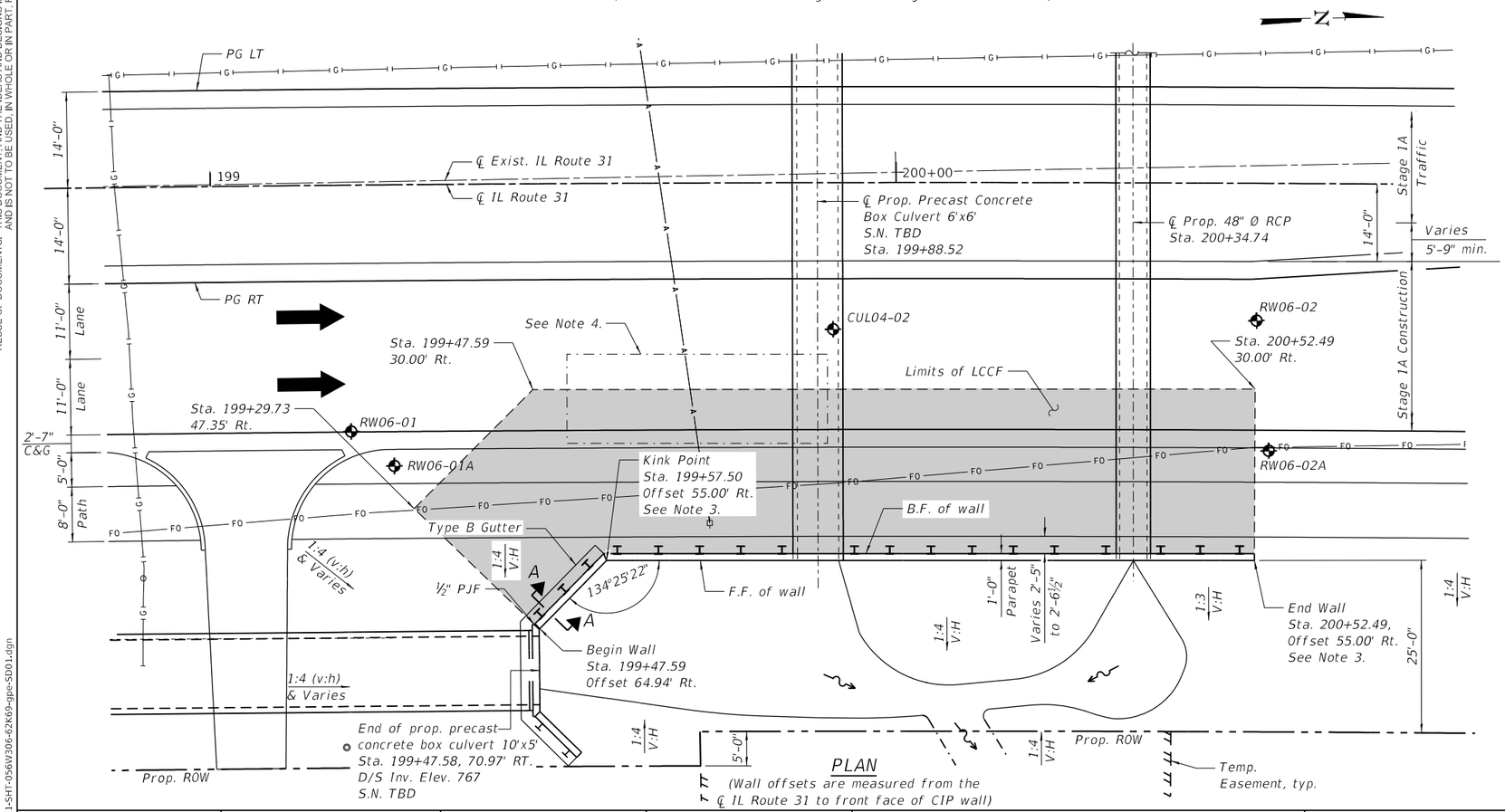
Expires: 11/30/2024
Date: 00/00/0000

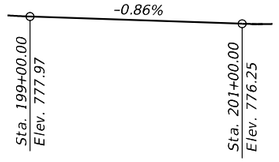


PLAN

(Wall offsets are measured from the ℄ IL Route 31 to front face of CIP wall)

LEGEND

⊕	Soil Boring Location
C&G	Curb & Gutter, Type B-6.24
G	Exist. Underground Gas
FO	Exist. Fiber Optic
S	Exist. Sanitary Sewer
A	Exist. Aerial Lines
B.F.	Back Face
F.F.	Front Face
	Limits of LCCF
LCCF	Lightweight Cellular Concrete

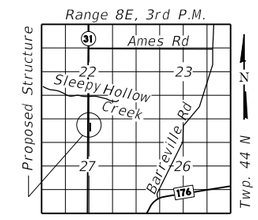


PROFILE GRADE – IL ROUTE 31

Along LT and RT PG's.

CURVE DATA

P.I. Sta. = 199+99.96
Δ = 2° 00' 16" (RT)
D = 0° 35' 00"
R = 9,821.00'
T = 171.80'
L = 343.57'
E = 1.50'
e = N/A
T.R. = N/A
S.E. Run = N/A
P.C. Sta. = 198+28.16
P.T Sta. = 201+71.73



LOCATION SKETCH

GENERAL PLAN & ELEVATION
RETAINING WALL RW31-06 – IL ROUTE 31
F.A.P. 336A – SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 199+47.59 TO STA. 200+52.49
STRUCTURE NO. 056-W306

USER NAME = ealbrethsen	DESIGNED - KP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
	CHECKED - AMK	REVISED -			
PLOT SCALE = 20.0000 ' / in.	DRAWN - BMP	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			

SHEET SD-01 OF SD-09 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	655
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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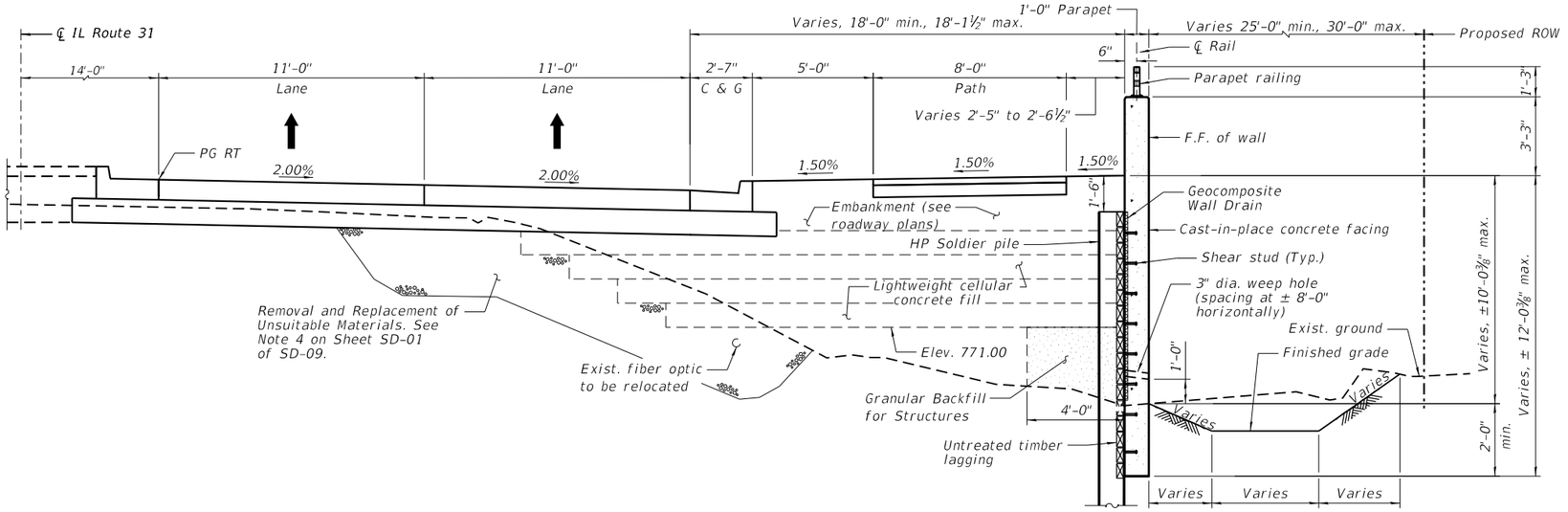
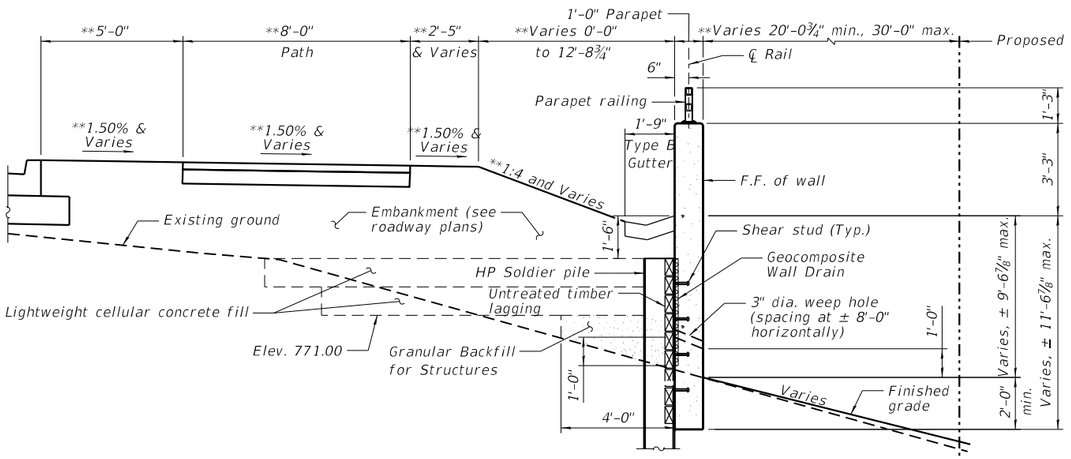


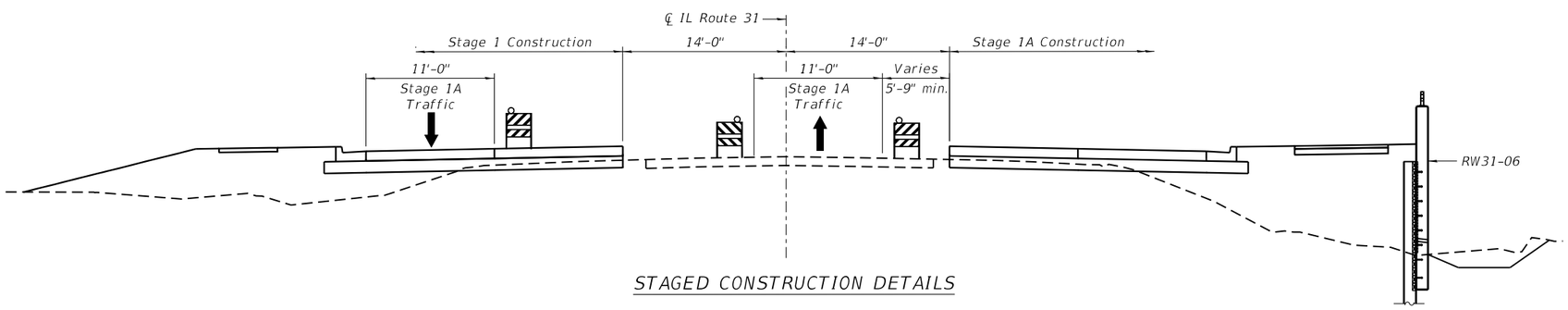
TYPICAL SECTION THRU WALL

Sta. 199+57.50 to Sta. 200+52.49
(Looking North)



SECTION A-A

Sta. 199+47.56 to 199+57.50
** Perpendicular to ℄ IL-31



STAGED CONSTRUCTION DETAILS

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. The Contractor is responsible for the design and performance of the lagging using no less than a 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.

INDEX OF SHEETS

SD-01	General Plan and Elevation
SD-02	General Data
SD-03	Detailed Plan and Elevation
SD-04	Details and Bill of Materials
SD-05	Parapet Railing Details
SD-06	Soil Boring Logs (1 of 4)
SD-07	Soil Boring Logs (2 of 4)
SD-08	Soil Boring Logs (3 of 4)
SD-09	Soil Boring Logs (4 of 4)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu Yd	83
Concrete Structures	Cu Yd	55
Protective Coat	Sq Yd	52
Stud Shear Connectors	Each	183
Reinforcement Bars, Epoxy Coated	Pound	5440
Parapet Railing	Foot	104
Name Plates	Each	1
Furnishing Soldier Piles (Hp Section)	Foot	669
Driving Soldier Piles	Foot	669
Untreated Timber Lagging	Sq Ft	95
Granular Backfill For Structures	Cu Yd	66
Geocomposite Wall Drain	Sq Yd	72
Lightweight Cellular Concrete Fill	Cu Yd	530

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USER NAME = ealbrethsen	DESIGNED - KP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 056-W306	F.A.P. RTE. 336A
	CHECKED - AMK	REVISED -		SHEET SD-02 OF SD-09 SHEETS	SECTION 2019-196-W&R
PLOT SCALE = 4:0 ':' / in.	DRAWN - BMP	REVISED -			COUNTY McHENRY
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			TOTAL SHEETS 835
					SHEET NO. 656
					CONTRACT NO. 62K69
					ILLINOIS FED. AID PROJECT

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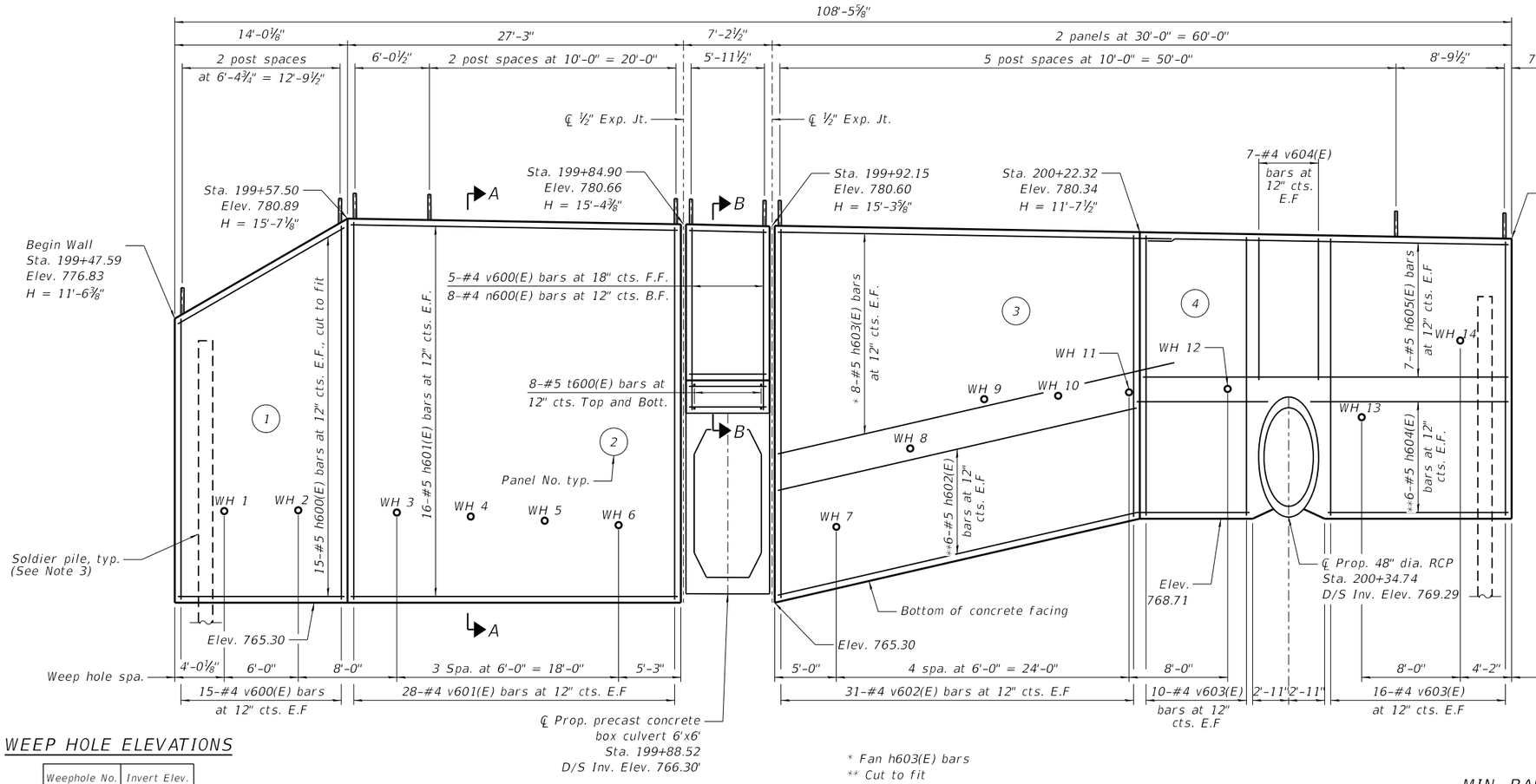
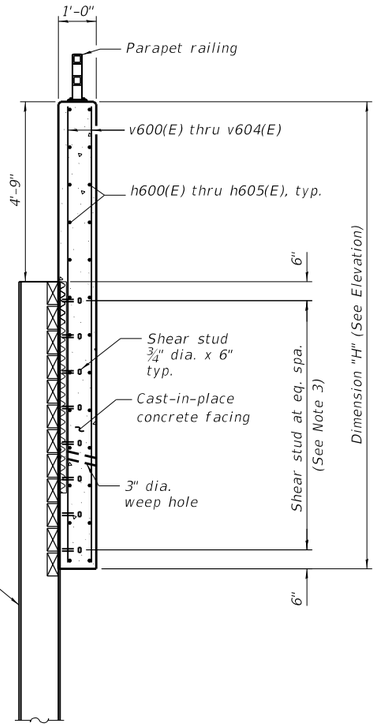




SECTION A-A

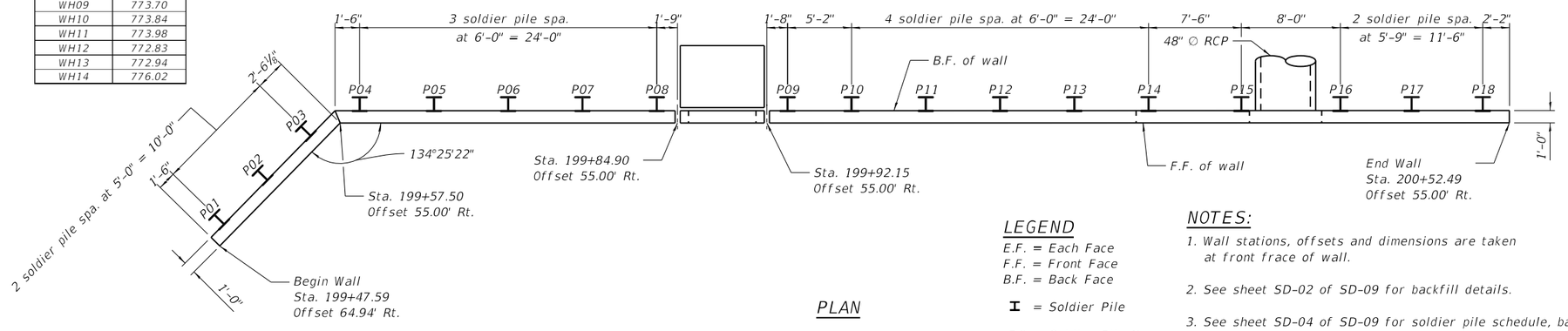
WEEP HOLE ELEVATIONS

Weephole No.	Invert Elev.
WH01	769.02
WH02	769.05
WH03	768.96
WH04	768.80
WH05	768.63
WH06	768.49
WH07	771.56
WH08	773.56
WH09	773.70
WH10	773.84
WH11	773.98
WH12	772.83
WH13	772.94
WH14	776.02

* Fan h603(E) bars
** Cut to fit

WALL ELEVATION

(Looking west at F.F. of wall)



PLAN

MIN. BAR LAPS

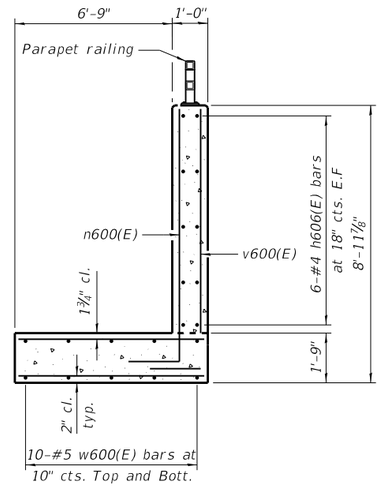
#5 bars = 3'-7"

LEGEND

E.F. = Each Face
F.F. = Front Face
B.F. = Back Face
I = Soldier Pile
P# = Soldier Pile No.
(#) = Panel No.

NOTES:

1. Wall stations, offsets and dimensions are taken at front frace of wall.
2. See sheet SD-02 of SD-09 for backfill details.
3. See sheet SD-04 of SD-09 for soldier pile schedule, bar list, expansion and construction joint details.
4. See sheet SD-05 of SD-09 for Parapet Railing details.



SECTION B-B

USER NAME = ealbrethsen		DESIGNED - KP		REVISED -	
		CHECKED - AMK		REVISED -	
PLOT SCALE = 10.6667 ' / in.		DRAWN - BMP		REVISED -	
PLOT DATE = 10/4/2024		CHECKED - AMK		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RW31-10 - DETAILED PLAN AND ELEVATION
STRUCTURE NO. 056-W306
SHEET SD-03 OF SD-09 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	656A
		CONTRACT NO.		62K69
	ILLINOIS	FED. AID PROJECT		

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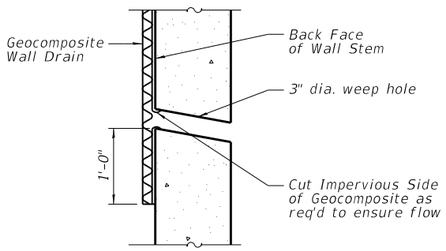
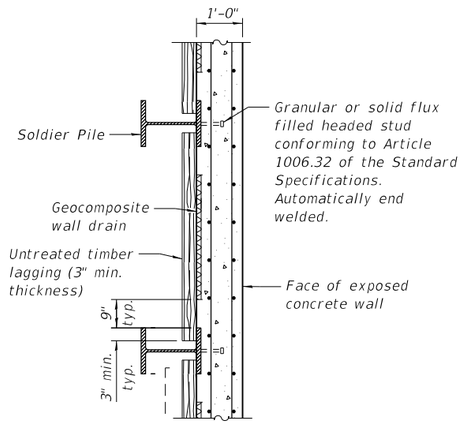


WEEP HOLE DRAIN DETAIL



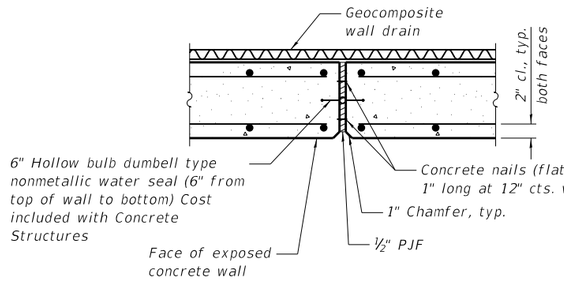
SECTION THRU SOLDIER PILE WALL

SOLDIER PILE SCHEDULE

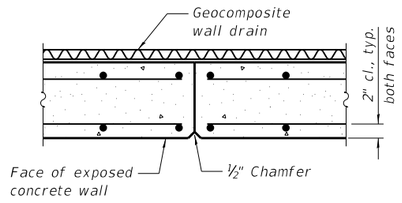
Pile No.	Pile Size	Top of Pile Elevation	Pile Tip Elevation	Pile Length (Ft.)	No. of Studs
P1	HP14X117	772.52	739.92	32.60	9
P2	HP14X117	773.98	739.92	34.05	10
P3	HP14X117	775.43	739.92	35.51	12
P4	HP14X117	776.15	734.82	41.33	12
P5	HP14X117	776.09	734.82	41.27	12
P6	HP14X117	776.03	734.82	41.21	12
P7	HP14X117	775.98	734.82	41.15	12
P8	HP14X117	775.92	734.82	41.10	12
P9	HP14X117	775.83	735.47	40.36	12
P10	HP14X117	775.78	736.06	39.72	11
P11	HP14X117	775.73	736.74	38.99	10
P12	HP14X117	775.68	737.42	38.26	10
P13	HP14X117	775.63	738.11	37.52	9
P14	HP14X117	775.58	745.21	30.37	8
P15	HP14X117	775.51	745.21	30.31	8
P16	HP14X117	775.44	745.21	30.24	8
P17	HP14X117	775.39	745.21	30.19	8
P18	HP14X117	775.34	745.21	30.14	8

BILL OF MATERIAL

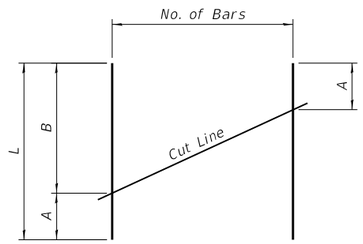
Bar	No.	Size	Length	Shape
h600(E)	30	#5	14'-0"	———
h601(F)	32	#5	26'-11"	———
h602(E)	20	#5	40'-4"	⌒
h603(E)	12	#5	32'-0"	———
h604(E)	12	#5	16'-0"	———
h605(E)	14	#5	29'-8"	———
h606(E)	12	#4	6'-9"	———
n600(E)	8	#4	9'-3"	⌊
t600(E)	16	#5	7'-5"	———
v600(E)	15	#4	26'-5"	———
v601(E)	56	#4	15'-0"	———
v602(E)	31	#4	26'-2"	———
v603(E)	52	#4	11'-3"	———
v604(E)	14	#4	5'-9"	———
v605(E)	5	#4	6'-10"	———
w600(E)	20	#5	6'-9"	———
Concrete Structures			Cu Yd	55.0
Reinforcement Bars, Epoxy Coated			Pound	5,420



EXPANSION JOINT DETAIL



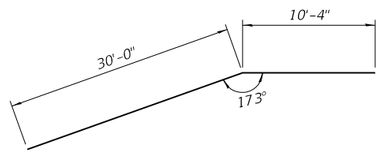
CONSTRUCTION JOINT



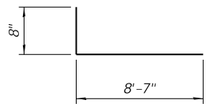
FIELD CUTTING DIAGRAM

Bar	A	B	L	No. of Bars
v600(E)	11'-2"	15'-3"	26'-5"	15
v602(E)	11'-3"	14'-11"	26'-2"	31

Order bars full length. Cut as shown and use remainder of bars in opposite face of wall.



BAR h602(E)



BAR n600(E)

NOTES

Reinforcement bars designated (E) shall be epoxy coated.

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10/4/2024 9:05:53 AM

USER NAME = ealbrethsen	DESIGNED - KP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS AND BILL OF MATERIALS STRUCTURE NO. 056-W306	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 4:0 ':" / in.	DRAWN - BMP	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SD-04 OF SD-09 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	656B
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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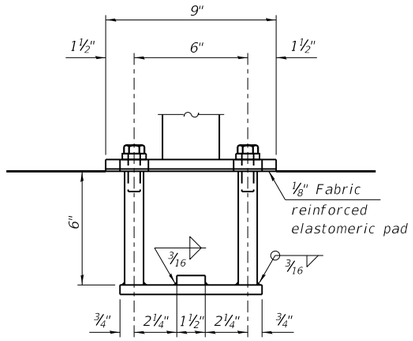
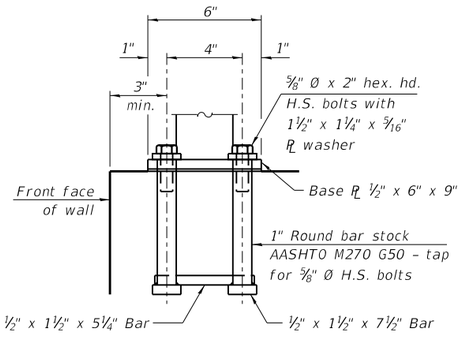
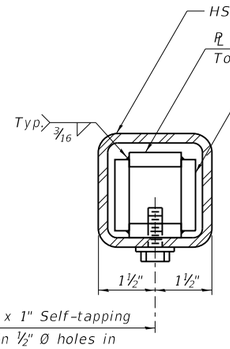
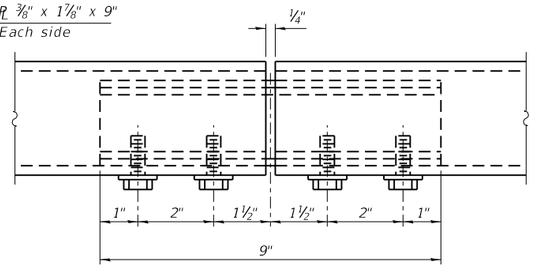




ANCHORAGE ASSEMBLY

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.





MATERIAL SPLICE

Notes:

Place reinforcement bars to miss anchor rod locations.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.

All base plates used for the Paraper Railing shall be AASHTO M270 grade 50.

All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

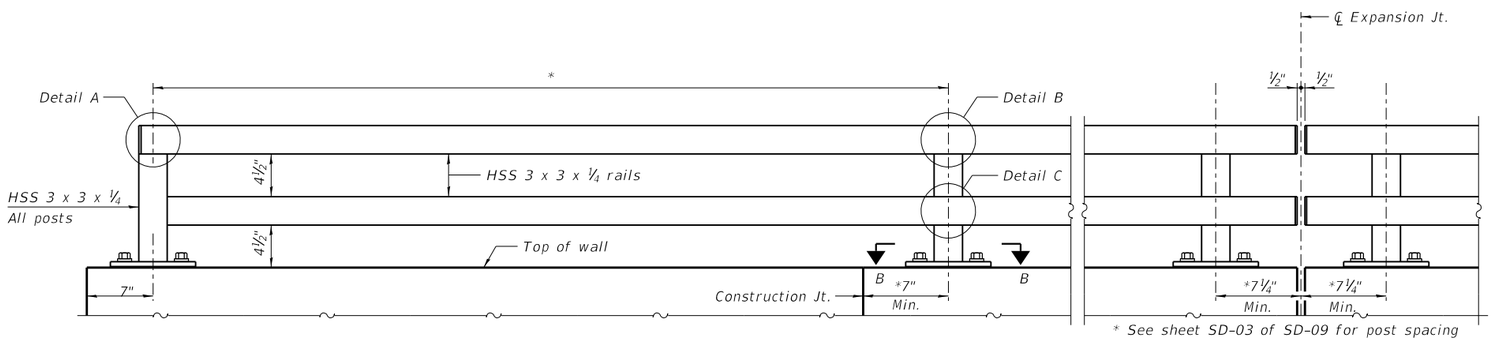
The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

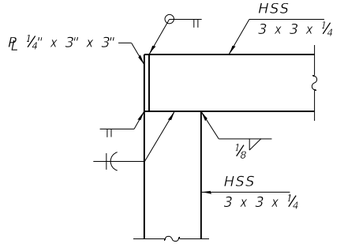
BILL OF MATERIALS

Item	Unit	Quantity
Parapet Railing	Foot	104

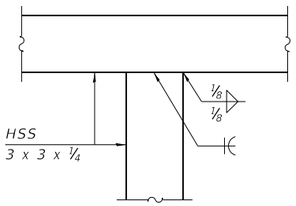


ELEVATION PARAPET RAILING

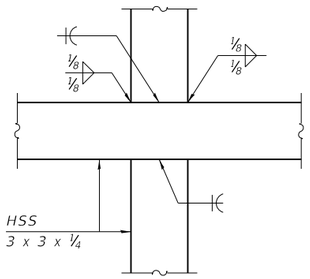
(Inside face)



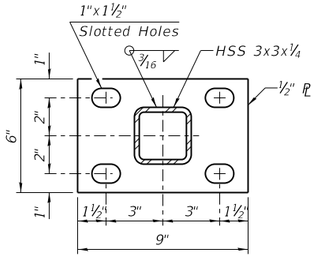
DETAIL A



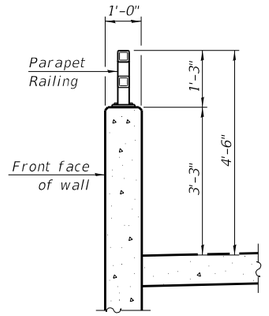
DETAIL B



DETAIL C



SECTION B-B



SECTION THRU RAILING

USER NAME = eallbrethsen	DESIGNED - KP	REVISED -		
	CHECKED - AMK	REVISED -		
PLOT SCALE = 0:2 ':" / in.	DRAWN - BMP	REVISED -		
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET RAILING
ILLINOIS ROUTE 31

SHEET SD-05 OF SD-09 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	656C
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

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MODEL: Default
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Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 11/10/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 6 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2041040.409,996881.449

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 6
Station 199+22 to 200+60 56' RT

BORING NO. RW06-01
Station 199+20
Offset 36.00ft RT
Ground Surface Elev. 776.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
775.50				TOPSOIL (6")
	3			Loose, black and brown SILTY CLAY LOAM, trace gravel. Moist.
	4		21.9	
	3			
773.00				
	2			Medium stiff, very dark brown and black CLAY LOAM, trace gravel. Moist. Organic Content= 5.4%
	2		38.6	
-5	3	0.5 P		
770.50				Stiff, brown and gray CLAY LOAM, trace gravel. Moist.
	1			
	2		15.8	
	3	1.5 P		
768.00				Very soft, yellowish brown CLAY LOAM. Moist.
	3			
	1		20.0	
-10	3			
	2			
	2		22.1	
	2			
763.00				Medium stiff, yellowish brown CLAY LOAM. Moist.
	2			
	2		22.4	
-15	3	0.8 P		
760.50				Very soft, grayish brown CLAY LOAM. Moist.
	2			
	2		25.0	
	4			
758.00				Medium stiff, grayish brown CLAY LOAM. Moist.
	2			
-20	2		24.7	
	2			Medium stiff, grayish brown CLAY LOAM. Moist. *(continued)*
	2			
	3		22.7	
	4			
	2			
	2		24.6	
-25	4			
751.00				End of Boring @ 25'.
-30				
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
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SOIL BORING LOG

Date 10/11/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 6 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2041046.569,996886.517

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 6
Station 199+22 to 200+60 56' RT

BORING NO. RW06-01A
Station 199+26.4
Offset 41.00ft RT
Ground Surface Elev. 775.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud Rotary ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	5			Stiff, very dusky red CLAY LOAM fill, trace gravel, low plasticity, moist
	3		15.7	
	5	1.5 P		
772.00				
	2			Medium stiff, black CLAY LOAM fill, low plasticity, moist
	3		28.4	
-5	5	0.8 P		
769.50				Stiff, moderate yellowish brown CLAY, medium plasticity, moist
	2			
	3		20.1	
	2	1.5 P		
767.00				Loose, moderate yellowish brown SILT, wet
	3			
	3		19.8	
-10	3			
764.50				Loose, light olive gray SILTY LOAM, wet
	2			
	3		19.5	
	3			
	2			
	2		22.1	
-15	3			
759.50				Stiff, light olive gray SILTY CLAY LOAM, low plasticity, moist
	2			
	3		24.7	
	4	1.7 B		
757.00				Loose, light olive gray SILT, wet
	1			
-20	2		23.1	
	2			Loose, light olive gray SILT, wet *(continued)*
	3			
	2		23.5	
	5			
752.00				
	P			Medium stiff, gray SILTY CLAY, low plasticity, moist Shelby tube @ 23.5-25.5'
	U		23.2	
-25	S	1.0		
749.50	H	B		Stiff, light olive gray SILTY CLAY, medium plasticity, moist
	2			
	3		31.3	
	5	1.4 B		
747.00				Loose, light olive gray SILT, low plasticity, wet
	2			
	2		23.1	
-30	4			
743.00				Medium dense, light olive gray SILT, low plasticity, wet
	3			
	4		23.4	
-35	6			
738.00				Loose, light olive gray SILT, low plasticity, wet
	3			
	3		24.1	
-40	4			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - KP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 1 STRUCTURE NO. 056-W306	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 0:2 ':" / in.	DRAWN - BMP	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SD-06 OF SD-09 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	656D
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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www.interraservices.com

SOIL BORING LOG

Date 10/11/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 6 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2041046.569,996886.517

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 6
Station 199+22 to 200+60 56' RT

BORING NO. RW06-01A
Station 199+26.4
Offset 41.00ft RT
Ground Surface Elev. 775.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud Rotary ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Loose, light olive gray SILT, low plasticity, wet *(continued)*
733.00				
	3			Medium dense, light olive gray SILT, low plasticity, wet LL=21%, PI=4
	4		23.0	
-45	8			
728.00				
	5			Medium stiff, light olive gray SILTY CLAY LOAM, low plasticity, wet
	5		21.9	
-50	9	0.5 P		
723.00				
	4			Medium dense, light olive gray SILTY LOAM, low plasticity, wet
	4		21.6	
-55	8			
718.00				
	7			Medium dense, light olive gray fine SANDY LOAM, wet
	11		19.7	
-60	13			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Medium dense, light olive gray fine SANDY LOAM, wet *(continued)*
713.00				
	14			Dense, light olive gray, coarse to fine SANDY LOAM AND GRAVEL, wet
	14		11.8	
-65	16			
710.00				End of Boring @ 65.0'.
-70				
-75				
-80				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 11/10/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 6 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2041172.609,996867.082

COUNTY Mc Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 6
Station 199+22 to 200+60 56' RT

BORING NO. RW06-02
Station 200+52
Offset 20.00ft RT
Ground Surface Elev. 775.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After 24 Hrs. 768.0 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				TOPSOIL (10")
774.67				
	3			Stiff, black CLAY, trace gravel. Moist.
	4		21.1	
	3	1.5 B		
772.50				
	3			Very stiff, gray CLAY, trace gravel. Moist.
	3		27.0	
-5	3	3.2 B		
770.00				
	5			Loose, yellowish brown and gray SANDY CLAY LOAM, trace gravel. Moist.
	5		17.7	
▽	4			
767.50				
	2			Loose, gray SILTY CLAY LOAM, trace gravel. Moist.
	2		23.5	
-10	2			
	2			
	2		21.9	
	3			
	2			
	2		23.0	
-15	3			
	3			
	3		24.4	
	4			
	2			
	2		24.4	
-20	3			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
755.00				
	2			Stiff, gray CLAY LOAM, trace gravel. Moist.
	2		22.6	
	3	1.5 P		
	3		27.2	
750.50 -25	4	1.5 P		End of Boring @ 25'.
-30				
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

PATRICK a RJR company	USER NAME = ealbrethsen	DESIGNED - KP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 2 STRUCTURE NO. 056–W306
		CHECKED - AMK	REVISED -		SHEET SD-07 OF SD-09 SHEETS
	PLOT SCALE = 0:2 ':" / in.	DRAWN - BMP	REVISED -		
	PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	656E
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/12/23

ROUTE IL 31 **DESCRIPTION** Retaining Wall No. 6 **LOGGED BY** Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 **LOCATION** 2041174.463,996886.018

COUNTY Mc Henry **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** D70 Auto

STRUCT. NO. Retaining Wall No. 6
Station 199+22 to 200+60 56' RT

BORING NO. RW06-02A
Station 200+54.3
Offset 39.00ft RT
Ground Surface Elev. 773.00 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud Rotary ft
After _____ **Hrs.** Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				TOPSOIL (8")
772.33				
	2			Stiff, yellowish brown SILTY CLAY LOAM, low plasticity, moist
	3		18.2	
	4	1.0 P		
770.00				
	2			Medium stiff, yellowish brown SILTY CLAY LOAM, low plasticity, moist
	3		25.3	
-5	5	0.9 B		
767.50				
	3			Loose, pale yellowish brown SILTY LOAM, moist
	3		18.2	
	3			
	3			
-10	2		19.0	
	2			
762.50				
	2			Medium stiff, light olive gray SILTY CLAY LOAM, low plasticity, wet
	2		21.3	
	3	0.8 B		
760.00				
	2			Stiff, light olive gray SILTY CLAY, medium plasticity, moist
	2		25.2	
-15	3	1.4 B		
757.50				
	P			Stiff, very dark gray SILTY CLAY, trace gravel, medium plasticity, moist
	U		25.1	Shelby tube @ 16-17.6'
	S	1.0		
	H	B		
755.00				
	2			Medium stiff, light olive gray SILTY CLAY, medium plasticity, moist
	2		23.1	
-20	2	0.6		
752.50				
	2			Stiff, light olive gray SILTY CLAY, medium plasticity, moist
	2		24.8	
	3	1.6 B		
750.00				
	3			Very stiff, light olive gray CLAY, medium plasticity, moist
	2		30.9	
-25	4	2.2 B		
747.50				
	2			Soft, light olive gray SILTY CLAY LOAM, medium plasticity, wet LL=22%, PI=6%
	2		22.3	
	2	0.4 B		
745.00				
	3			Very soft, light olive gray SILTY CLAY LOAM, medium plasticity, wet
	3		23.2	
-30	3	<0.25 P		
741.00				
	4			Very soft, light olive gray SILTY CLAY LOAM, low plasticity, wet
	4		24.4	
-35	5	<0.25 P		
	4			
	5		23.2	
-40	1	<0.25		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/12/23

ROUTE IL 31 **DESCRIPTION** Retaining Wall No. 6 **LOGGED BY** Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 **LOCATION** 2041174.463,996886.018

COUNTY Mc Henry **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** D70 Auto

STRUCT. NO. Retaining Wall No. 6
Station 199+22 to 200+60 56' RT

BORING NO. RW06-02A
Station 200+54.3
Offset 39.00ft RT
Ground Surface Elev. 773.00 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Mud Rotary ft
After _____ **Hrs.** Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
		P		Very soft, light olive gray SILTY CLAY LOAM, low plasticity, wet *(continued)*
	2			
	2		23.1	
-45	3	<0.25 P		
726.00				
	6			Medium dense, light olive gray fine SANDY LOAM, wet
	6		19.3	
-50	11			
721.00				
	9			Medium dense, light olive gray fine SANDY LOAM, trace gravel, wet
	10		15.6	
718.00 -55	19			
				End of boring @ 55.0'
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

PATRICK a RJR company	USER NAME = ealbrethsen	DESIGNED - KP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 3 STRUCTURE NO. 056–W306
		CHECKED - AMK	REVISED -		SHEET SD-08 OF SD-09 SHEETS
	PLOT SCALE = 0.2 ' / in.	DRAWN - BMP	REVISED -		
	PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	656F
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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SOIL BORING LOG

Date 11/10/21

ROUTE IL 31 **DESCRIPTION** Box Culvert No. 4 SN 056-0101 **LOGGED BY** Vianney

SECTION IL 120 to IL 176 PTB 195-015 **LOCATION** 2041110.866,996867.493 (offset 12' N)

COUNTY McHenry **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** D50 Auto (93% efficiency)

STRUCT. NO. Box Culvert No. 4 SN 056-0101
Station IL 31 Stn. 199+48

BORING NO. CUL04-02
Station 199+90
Offset 22.00ft RT
Ground Surface Elev. 775.90 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After 24 **Hrs.** 768.2 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Very loose, dark brown and black SILTY CLAY LOAM, trace gravel. Moist.
	3			
	1		18.6	
	2			
772.90				
				Medium stiff, light brown CLAY LOAM, trace gravel. Moist.
	3			
	4		9.8	
-5	5	0.5 P		
770.40				
				Loose, light gray SILTY CLAY LOAM, trace gravel. Moist
	3			
	2		21.7	
	3			
767.90				
				Stiff, gray CLAY LOAM, trace gravel. Moist.
	2			
	2		22.2	
-10	2	1.0 P		
	1			
	2		22.6	
	2	1.0 P		
762.90				
				Medium stiff, gray CLAY LOAM, trace gravel. Moist.
	2			
	3		23.7	
-15	4	0.5 P		
	2			
	2		23.7	
	3			
	3			
	3		22.6	
-20	3			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
754.90				Medium stiff, gray CLAY LOAM, trace gravel. Moist. *(continued)*
	3			Stiff, gray CLAY, trace gravel. Moist.
	3		23.9	
	3	1.0 P		
	2			
	3		24.9	
750.90 -25	3	1.3 P		
				End of Boring @ 25'.
-30				
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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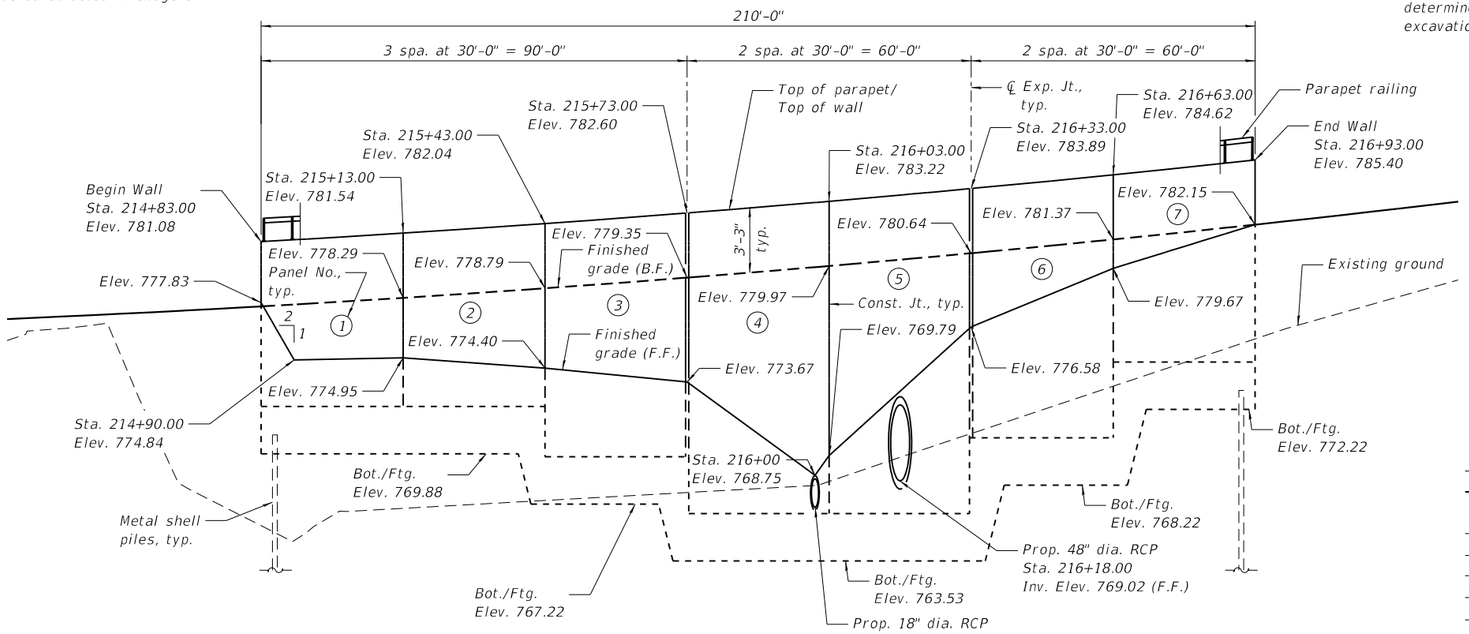
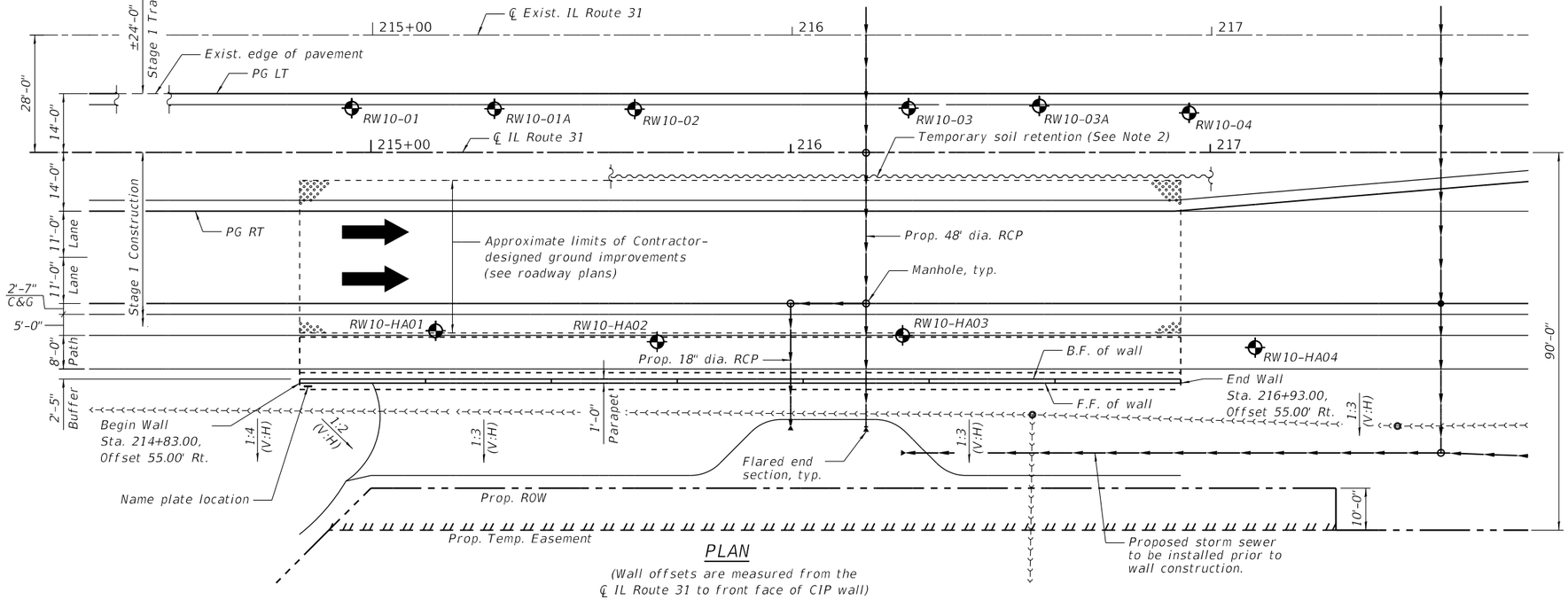
Benchmark: C.P. #380 – #5 rebar in grass parkway, Sta. 216+57, Offset 53' Lt., Elev. 778.16

Existing Structure: None

One lane of traffic in each direction to be maintained using staged construction.
Wall to be constructed in Stage 1.



ELEVATION
(Looking at F.F. of Wall)



PLAN
(Wall offsets are measured from the ℄ IL Route 31 to front face of CIP wall)

Notes:
1. All utilities in conflict with the proposed structure to be relocated prior to construction.
2. The limits of any temporary soil retention to be determined by the Contractor based on required excavation for ground improvement.

DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES
FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

STA. 214+83.00 TO STA. 216+93.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 336A – SEC. 2019-196-W&R
LOADING HL-93
STR. NO. 056-W308

NAME PLATE
See Std. 515001

LEGEND

	Soil Boring Location
	Exist. Storm Sewer
	Prop. Storm Sewer
C&G	Curb & Gutter, Type B-6.24
	Exist. Sanitary Sewer
G	Exist. Underground Gas
CTV	Exist. Underground CableTV
T	Exist. Underground Telephone
FO	Exist. Fiber Optic
A	Exist. Aerial Lines
B.F.	Back Face
F.F.	Front Face

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ARSALAN M. KHAN
081-006258
STATE OF ILLINOIS

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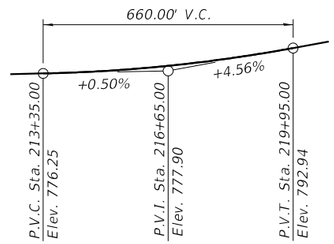
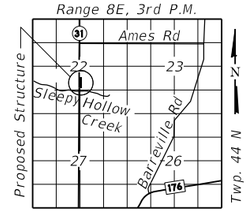


PROFILE GRADE – IL ROUTE 31
Along LT and RT PG's.



LOCATION SKETCH

GENERAL PLAN & ELEVATION
RETAINING WALL RW31-10 – IL ROUTE 31
F.A.P. 336A – SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 214+83.00 TO STA. 216+93.00
STRUCTURE NO. 056-W308

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
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PLOT SCALE = 32.0000 ' / in.	DRAWN - BMP	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			

SHEET SE-01 OF SE-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	657
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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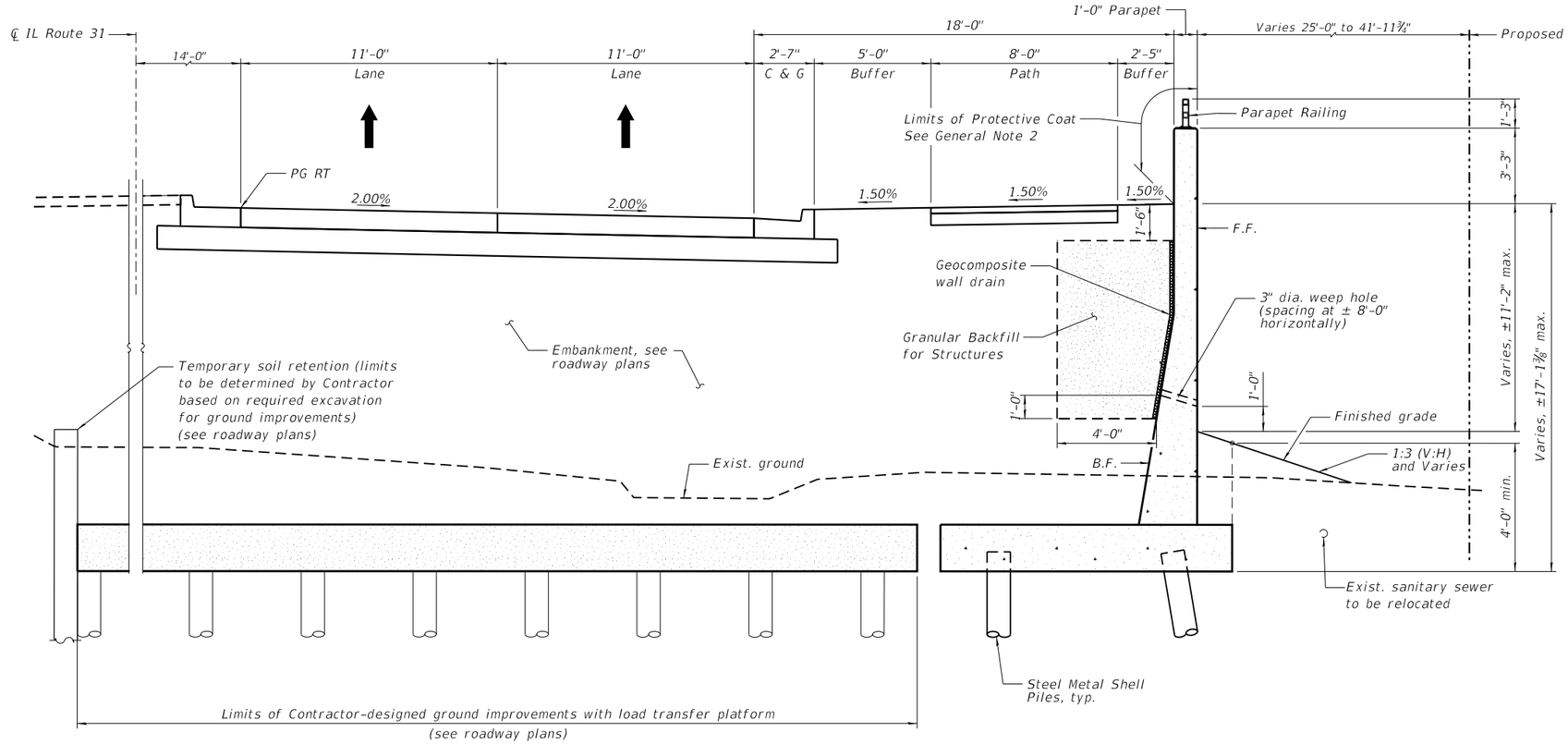
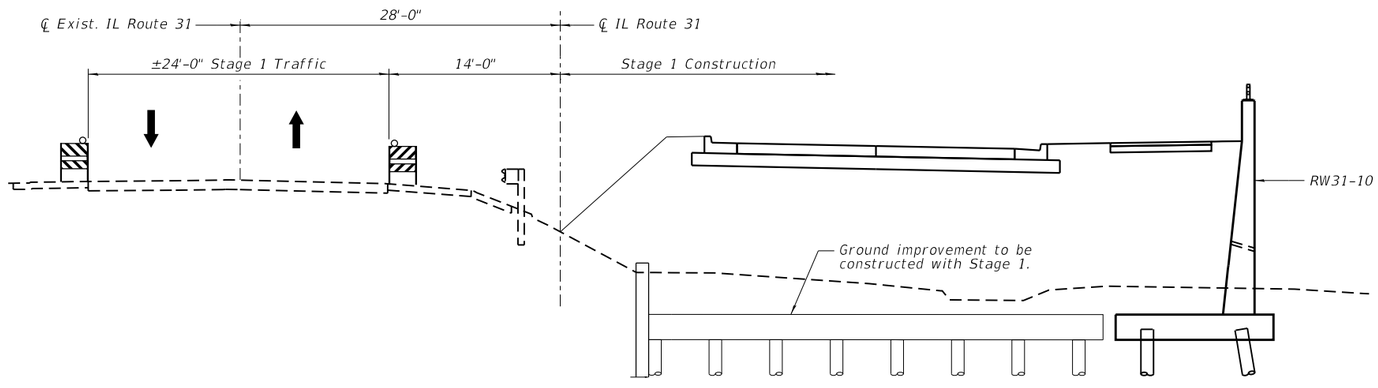


TYPICAL SECTION THRU WALL

(Looking North)



STAGED CONSTRUCTION DETAILS

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Protective Coat shall be applied to the top and exposed portion of the back of wall in accordance with Article 503.02 of the Standard Specifications.

INDEX OF SHEETS

SE-01 General Plan and Elevation
SE-02 General Data
SE-03 Detailed Plan and Elevation 1
SE-04 Detailed Plan and Elevation 2
SE-05 Detailed Plan and Elevation 3
SE-06 Details and Bill of Materials
SE-07 Parapet Railing
SE-08 Metal Shell Pile Details
SE-09 Soil Boring Logs 1
SE-10 Soil Boring Logs 2
SE-11 Soil Boring Logs 3
SE-12 Soil Boring Logs 4
SE-13 Soil Boring Logs 5
SE-14 Soil Boring Logs 6

TOTAL BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu Yd	254
Protective Coat	Sq Yd	100
Concrete Structures (Retaining Wall)	Cu Yd	337.5
Reinforcement Bars, Epoxy Coated	Pound	25,040
Parapet Railing	Foot	210
Name Plates	Each	1
Granular Backfill For Structures	Cu Yd	96
Geocomposite Wall Drain	Sq Yd	73
Furnishing Metal Shell Piles 12" X 0.250"	Foot	2,814
Driving Piles	Foot	2,814
Test Pile Metal Shells	Each	1
Pile Shoes	Each	68

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PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 056–W308

SHEET SE-02 OF SE-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	658

CONTRACT NO. 62K69

ILLINOIS FED. AID PROJECT

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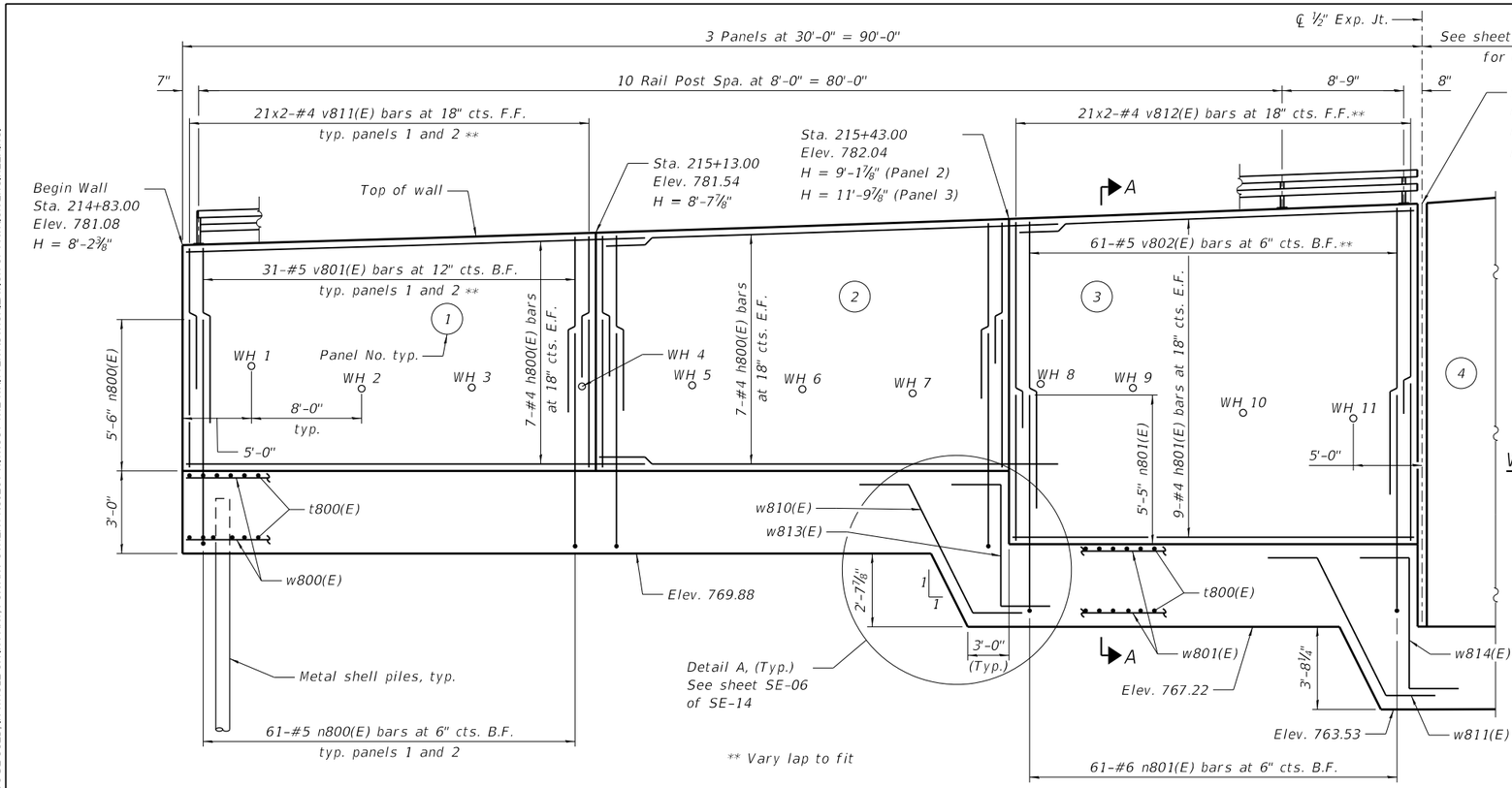
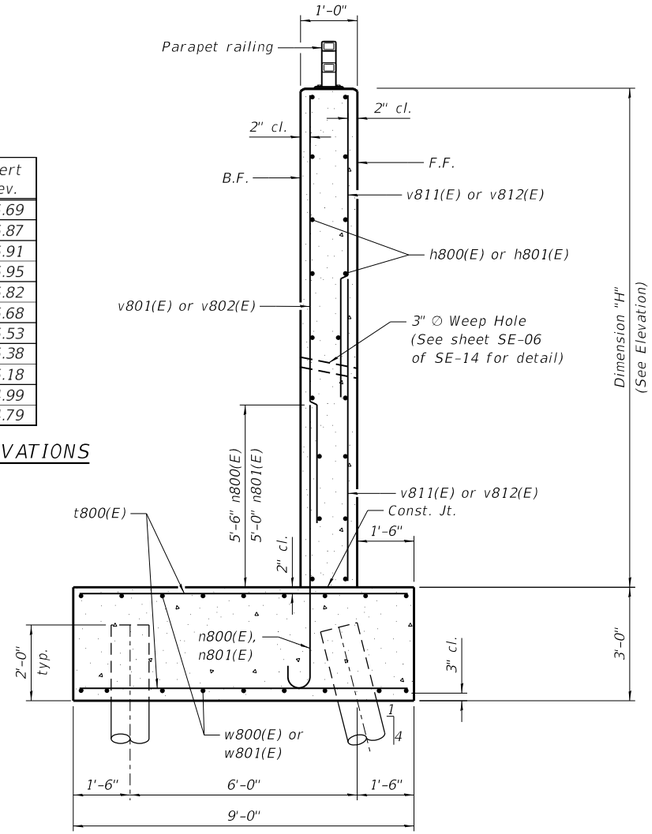


PARTIAL WALL ELEVATION

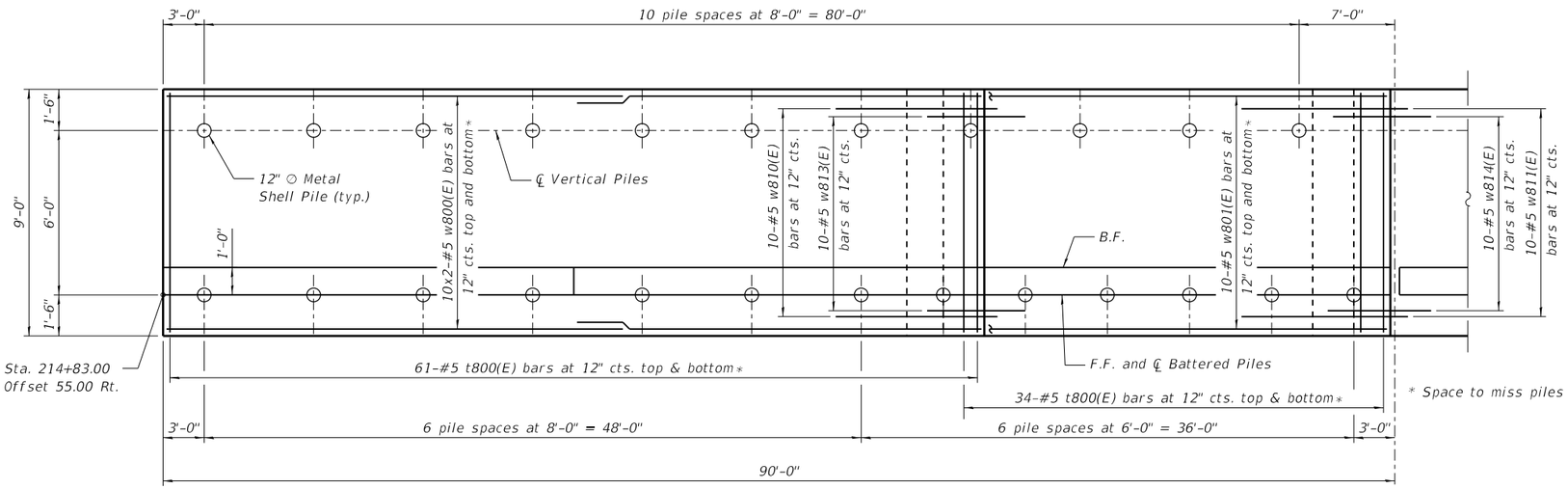
(Looking at F.F. of wall)

Weep Hole No.	Invert Elev.
WH1	776.69
WH2	775.87
WH3	775.91
WH4	775.95
WH5	775.82
WH6	775.68
WH7	775.53
WH8	775.38
WH9	775.18
WH10	774.99
WH11	774.79

WEEP HOLE ELEVATIONS



SECTION A-A



PARTIAL FOOTING PLAN

LEGEND

B.F.	Back Face
F.F.	Front Face

PILE DATA

Type: Metal Shell - 12 in. dia x 0.25 in. walls with pile shoes
Nominal Required Bearing: 280 kips
Allowable Resistance Available: 97 kips
Estimated Length: 42'
No. Production Pile: 67
No Test Piles: 1

MIN. BAR LAPS

#4 bars = 2'-11"
#5 (Horiz.) bars = 3'-7"
#5 (Vert.) bars = 3'-2"
#6 bars = 3'-10"

NOTES:

1. Bars indicated thus 10x2-#5 etc. indicates 10 lines of bars with 2 lengths per line.
2. See sheet SE-04 of SE-14 for Test Pile location.

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	
	CHECKED - AMK	REVISED -	
PLOT SCALE = 10.6667 ' / in.	DRAWN - BMP	REVISED -	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILED PLAN AND ELEVATION 1
STRUCTURE NO. 056-W308
SHEET SE-03 OF SE-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	658A
		CONTRACT NO.		62K69
	ILLINOIS	FED. AID PROJECT		

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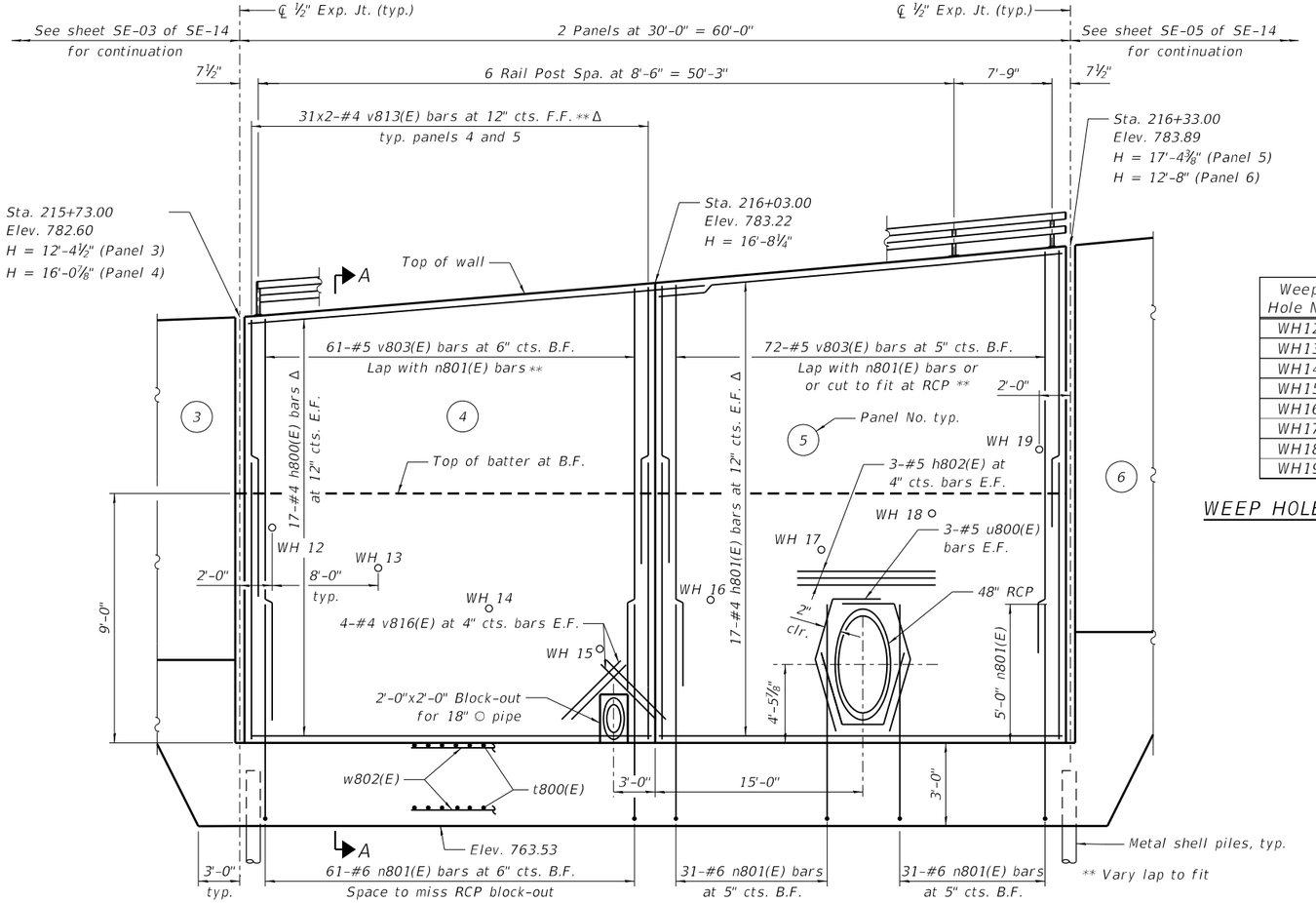
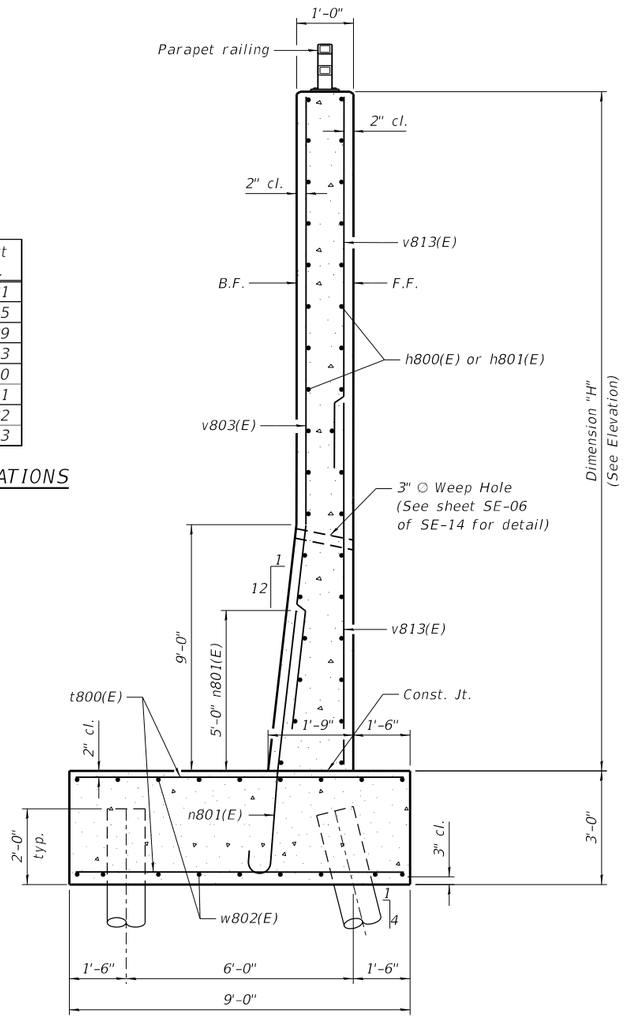


PARTIAL WALL ELEVATION

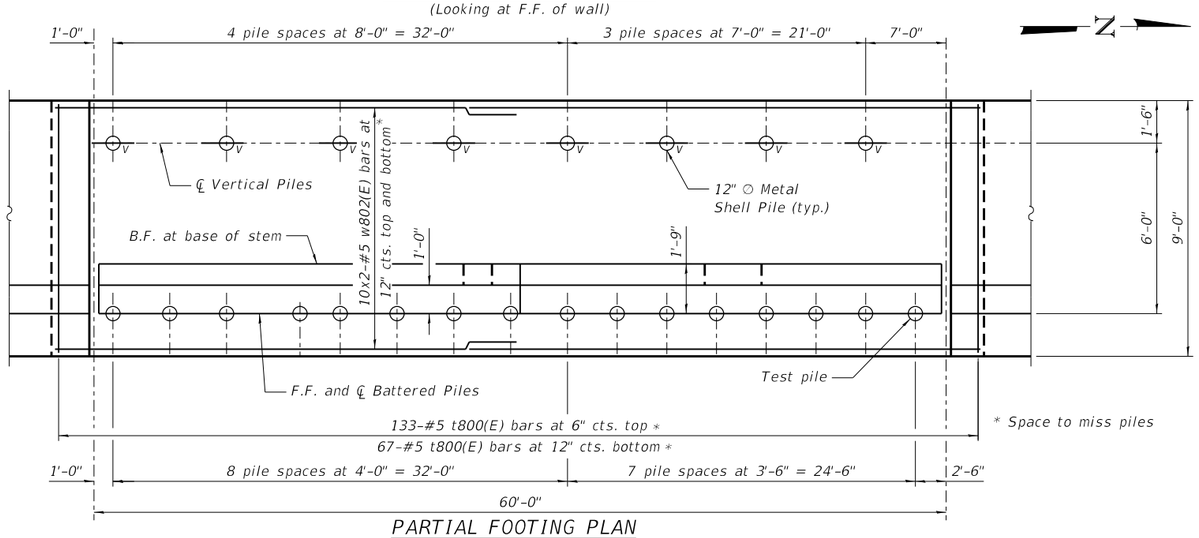
(Looking at F.F. of wall)

Weep Hole No.	Invert Elev.
WH12	774.31
WH13	772.85
WH14	771.39
WH15	769.93
WH16	771.70
WH17	773.51
WH18	775.32
WH19	777.13

WEEP HOLE ELEVATIONS



SECTION A-A



PARTIAL FOOTING PLAN

LEGEND

B.F.	Back Face
F.F.	Front Face
⊖V	Pile with shear connection. See Detail "B" on SE-06 of SE-14.

MIN. BAR LAPS

#4 bars = 2'-11"
#5 (Horiz.) bars = 3'-7"
#5 (Vert.) bars = 3'-2"
#6 bars = 3'-10"

NOTES:

1. Bars indicated thus 10x2-#5 etc. indicates 10 lines of bars with 2 lengths per line.
2. See sheet SE-03 of SE-14 for Pile data.

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILED PLAN AND ELEVATION 2 STRUCTURE NO. 056-W308	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 10.6667 ' / in.	DRAWN - BMP	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SE-04 OF SE-14 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	658B
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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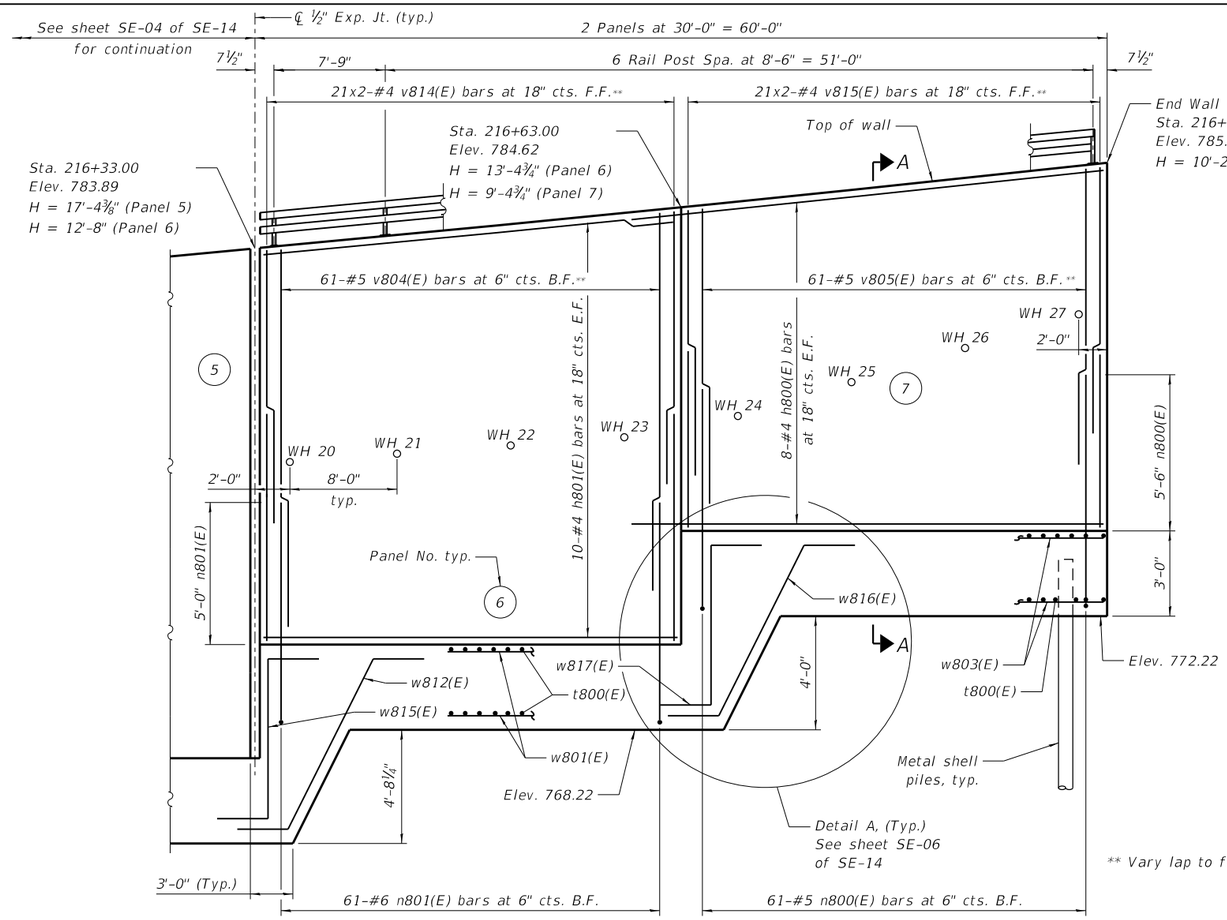
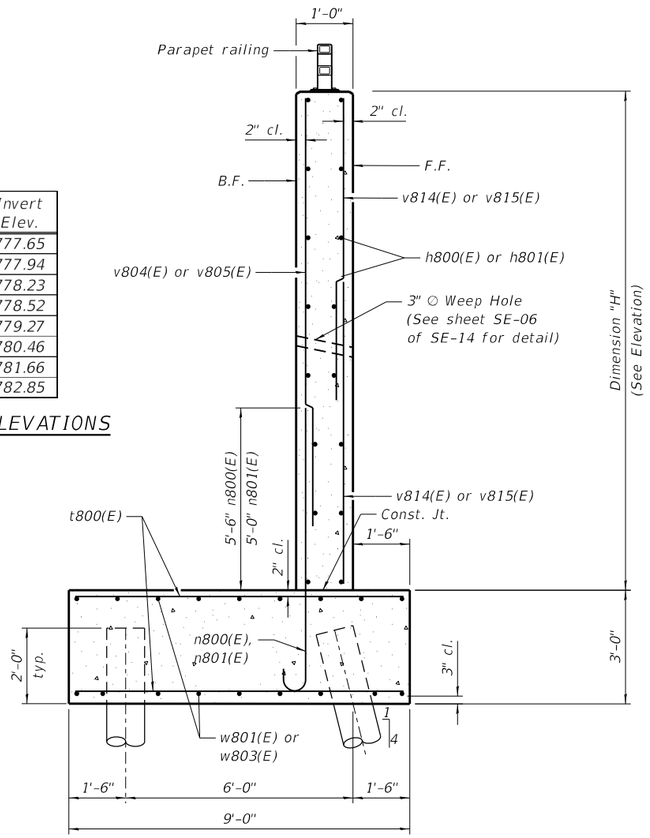


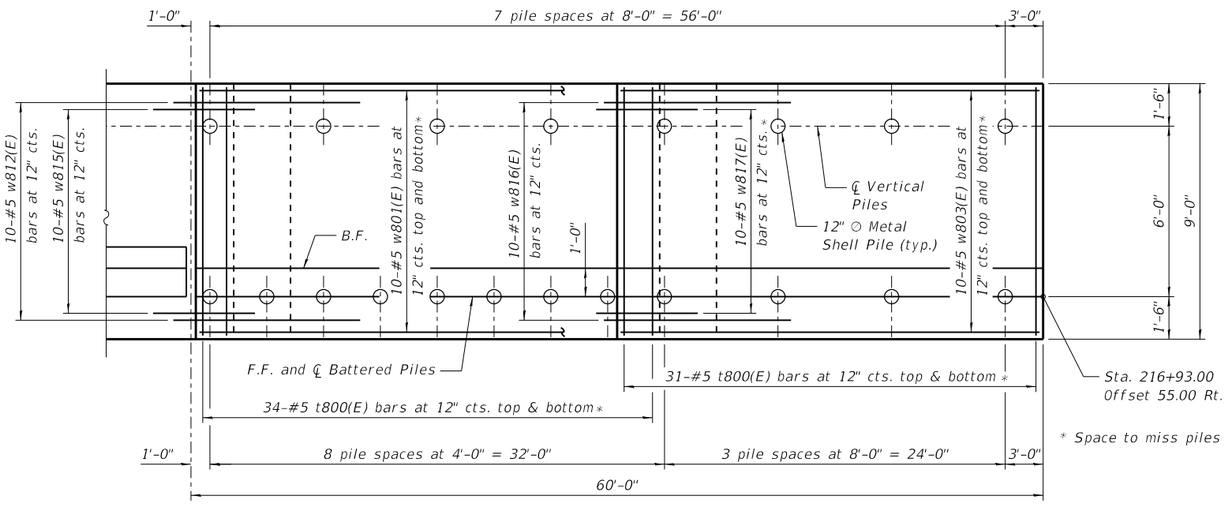
PARTIAL WALL ELEVATION
(Looking at F.F. of wall)

Weep Hole No.	Invert Elev.
WH20	777.65
WH21	777.94
WH22	778.23
WH23	778.52
WH24	779.27
WH25	780.46
WH26	781.66
WH27	782.85

WEEP HOLE ELEVATIONS



SECTION A-A



PARTIAL FOOTING PLAN

LEGEND

B.F. Back Face
F.F. Front Face

MIN. BAR LAPS

#4 bars = 2'-11"
#5 (Horiz.) bars = 3'-7"
#5 (Vert.) bars = 3'-2"
#6 bars = 3'-10"

NOTES:

1. Bars indicated thus 21x2-#5 etc. indicates 21 lines of bars with 2 lengths per line.
2. See sheet SE-03 of SE-14 for Pile Data.
3. See sheet SE-04 of SE-14 for Test Pile location.

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILED PLAN AND ELEVATION 3 STRUCTURE NO. 056-W308	F.A.P. RTE. 336A | SECTION 2019-196-W&R | COUNTY McHENRY | TOTAL SHEETS 835 | SHEET NO. 658C
	CHECKED - AMK	REVISED -			CONTRACT NO. 62K69
PLOT SCALE = 10.6667 ' / in.	DRAWN - BMP	REVISED -		SHEET SE-05 OF SE-14 SHEETS	ILLINOIS | FED. AID PROJECT
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			

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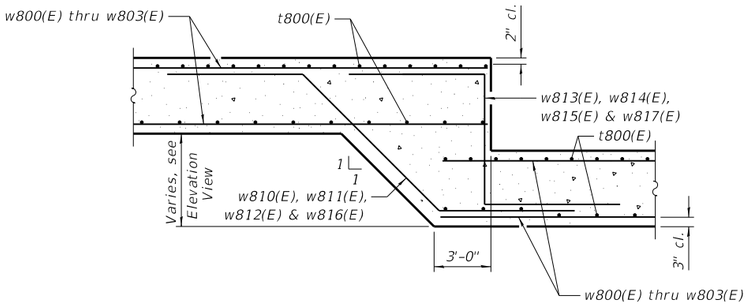
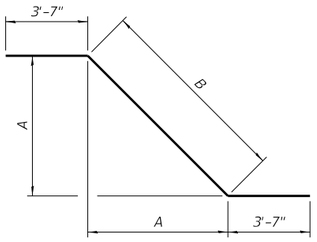
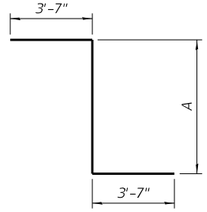


DETAIL A



Bar	A	B
w810(E)	5'-3"	7'-5"
w811(E)	6'-3"	8'-10"
w812(E)	7'-3"	10'-3"
w816(E)	6'-7"	9'-4"

BARS w810(E), w811(E), w812(E) and w816(E)



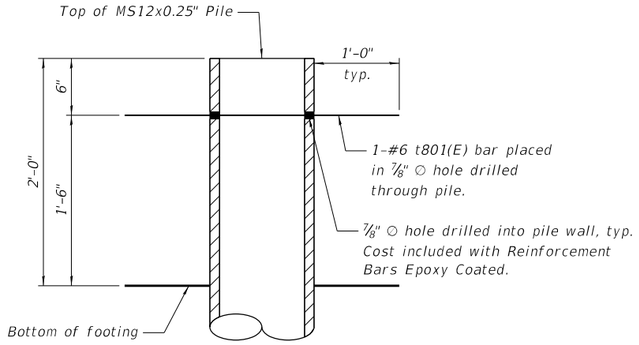
Bar	A
w813(E)	5'-3"
w814(E)	6'-3"
w815(E)	7'-3"
w817(E)	6'-7"

BARS w813(E), w814(E), w815(E) and w817(E)

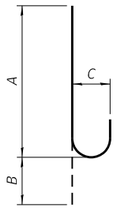
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h800(E)	78	#4	32'-11"	———
h801(E)	72	#4	29'-8"	———
h802(E)	6	#5	11'-2"	———
n800(E)	183	#5	8'-10"	⊂
n801(E)	245	#6	8'-5"	⊂
t800(E)	520	#5	8'-8"	———
t801(E)	9	#6	3'-0"	———
u800(E)	6	#5	9'-0"	◡
v801(E)	62	#5	6'-8"	———
v802(E)	61	#5	10'-5"	———
v803(E)	133	#5	15'-5"	———
v804(E)	61	#5	11'-5"	———
v805(E)	61	#5	7'-8"	———
v811(E)	84	#4	5'-11"	———
v812(E)	42	#4	7'-6"	———
v813(E)	124	#4	10'-0"	———
v814(E)	42	#4	8'-0"	———
v815(E)	42	#4	6'-4"	———
v816(E)	8	#4	6'-0"	———
w800(E)	40	#5	31'-8"	———
w801(E)	40	#5	32'-8"	———
w802(E)	40	#5	34'-10"	———
w803(E)	20	#5	29'-8"	———
w810(E)	10	#5	14'-7"	⌐
w811(E)	10	#5	16'-0"	⌐
w812(E)	10	#5	17'-5"	⌐
w813(E)	10	#5	12'-5"	⌐
w814(E)	10	#5	13'-5"	⌐
w815(E)	10	#5	14'-5"	⌐
w816(E)	10	#5	16'-6"	⌐
w817(E)	10	#5	13'-9"	⌐
Concrete Structures (Retaining Wall)		Cu Yd	337.5	
Reinforcement Bars, Epoxy Coated		Pound	25,040	

note: Bar designations v806(E) thru v811(E) not used.

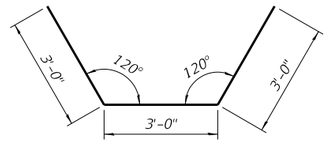


DETAIL B
PILE SHEAR ANCHORAGE
(9 Required)

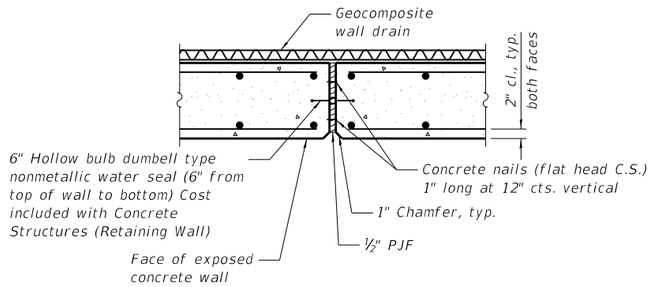


Bar	A	B	C
n800(E)	8'-3"	7"	5"
n801(E)	7'-9"	8"	6"

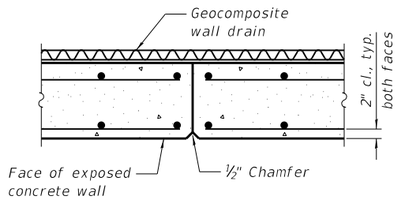
BARS n800(E) and n801(E)



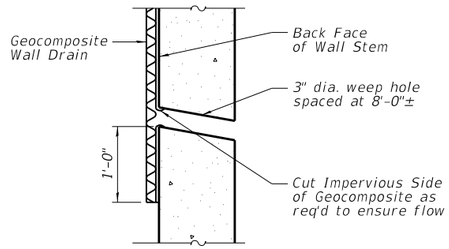
BAR u800(E)



EXPANSION JOINT DETAIL



CONSTRUCTION JOINT



WEEP HOLE DRAIN DETAIL

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	CHECKED - AMK	REVISED -			
PLOT SCALE = 4:0 ':' / in.	DRAWN - BMP	REVISED -		SHEET SE-06 OF SE-14 SHEETS	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	658D
		CONTRACT NO.	62K69	
	ILLINOIS	FED. AID PROJECT		

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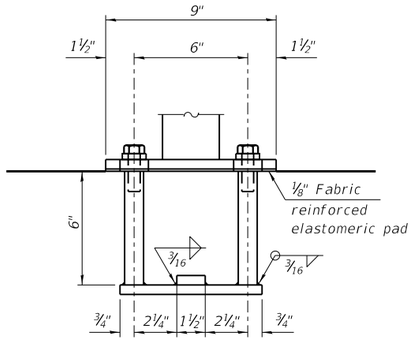
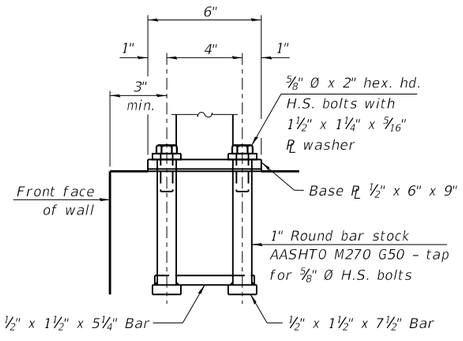
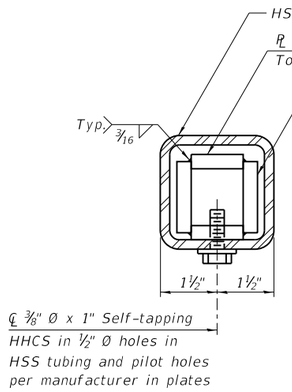
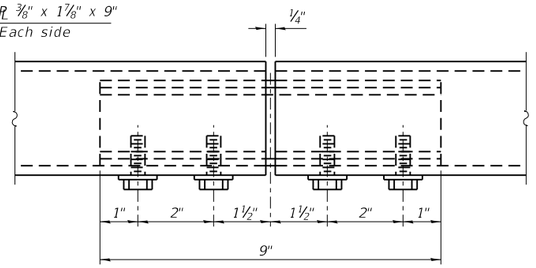




ANCHORAGE ASSEMBLY

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.





MATERIAL SPLICE

Notes:

Place reinforcement bars to miss anchor rod locations.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.

All base plates used for the Paraper Railing shall be AASHTO M270 grade 50.

All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

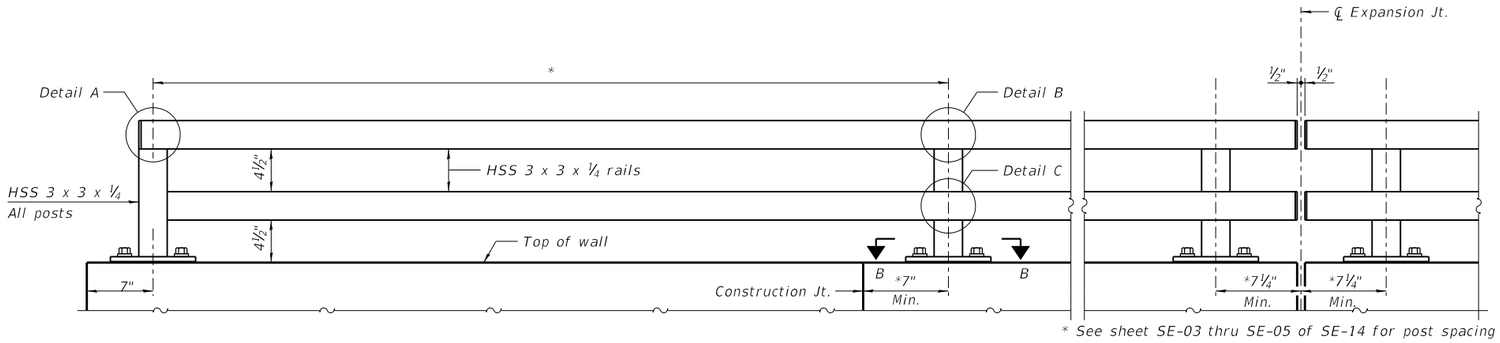
The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

BILL OF MATERIALS

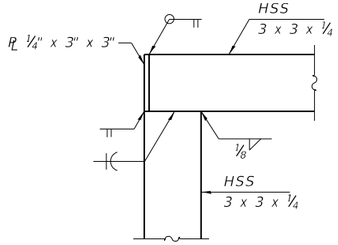
Item	Unit	Quantity
Parapet Railing	Foot	210



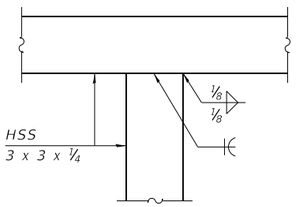
** See sheet SE-03 thru SE-05 of SE-14 for post spacing*

ELEVATION PARAPET RAILING

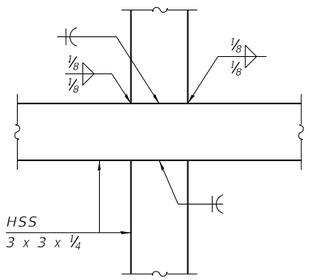
(Inside face)



DETAIL A



DETAIL B



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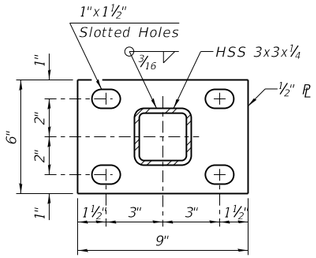
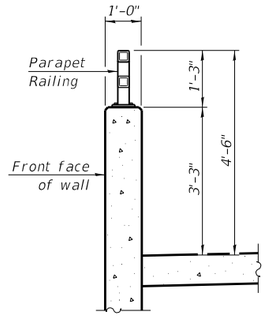


SECTION B-B



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PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET RAILING
STRUCTURE NO. 056-W308
SHEET SE-07 OF SE-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	658E
		CONTRACT NO.		62K69
	ILLINOIS	FED. AID PROJECT		

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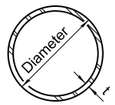
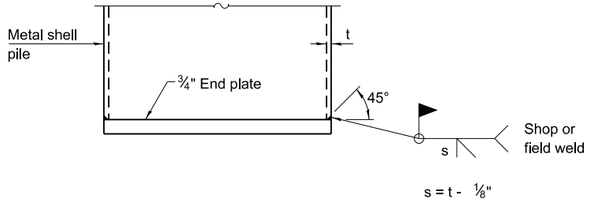
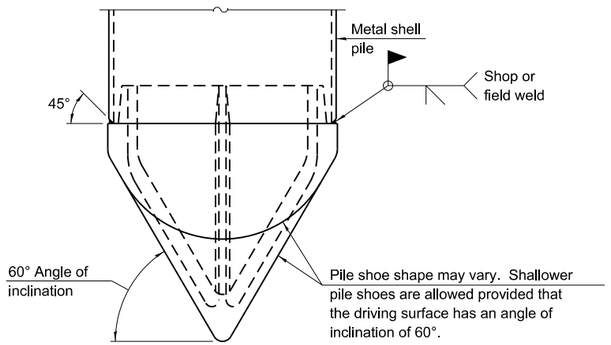


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd.³/ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470

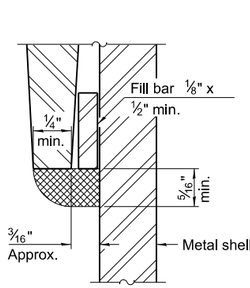


END PLATE ATTACHMENT

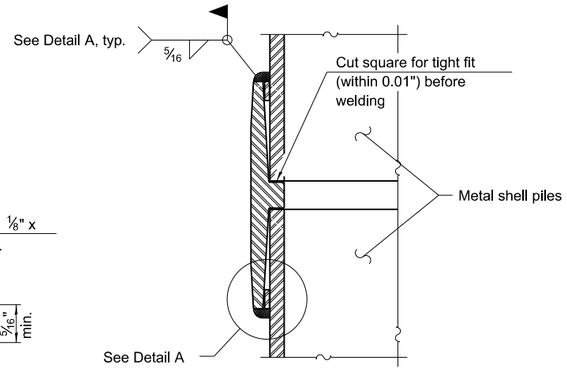


PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).



DETAIL A

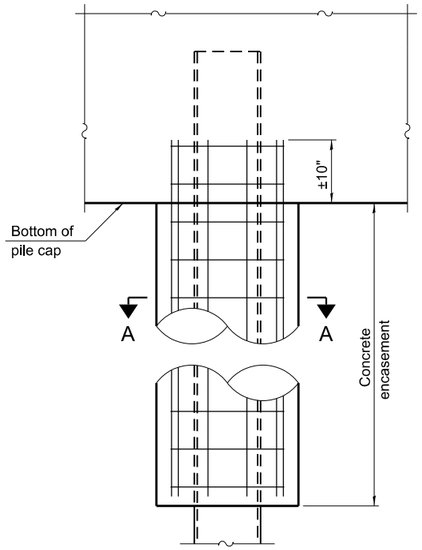


WELDED COMMERCIAL SPLICE

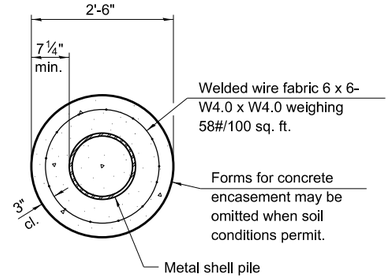
Notes:
The ⅛" x ½" min. fill bar may be constructed of 2 bars with a ⅛" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



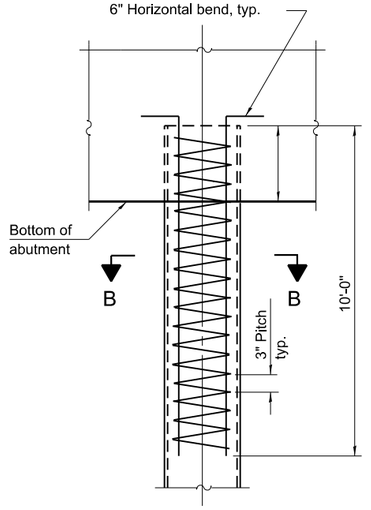
ELEVATION



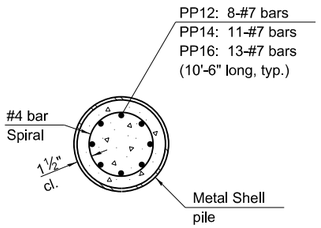
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT

(When specified)



ELEVATION



SECTION B-B

REINFORCEMENT AT ABUTMENTS

(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F-MS 5-15-2023

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	
	CHECKED - AMK	REVISED -	
PLOT SCALE = 0:2 ':" / in.	DRAWN - BMP	REVISED -	
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

METAL SHELL PILE DETAILS
STRUCTURE NO. 056-W308
SHEET SE-08 OF SE-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	658F
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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SOIL BORING LOG

Date 11/17/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042615.401,996855.463

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-01
Station 214+95
Offset 11.00ft LT
Ground Surface Elev. 774.97 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 766.5 ft
Upon Completion 762.0 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (10") 774.14				754.47			
Stiff, gray CLAY LOAM, trace gravel. Moist.	4			Medium dense, light brown SANDY LOAM, trace gravel. Wet.	4		
	4		22.2		7		16.9
	3	1.0 P			9		
771.97							
Stiff, light brown CLAY LOAM, trace gravel. Moist.	2				5		
	3		16.9		7		15.7
-5	4	1.0 P		749.97 -25	10		
769.47				End of Boring @ 25'.			
Very soft, light gray CLAY LOAM, trace gravel. Moist.	2						
	3		23.6				
	3	0.0 P					
766.97							
Very loose, brown SANDY CLAY LOAM, trace gravel. Wet.	2						
	1		38.1				
-10	2			-30			
764.47							
Soft, black organic CLAY LOAM, trace gravel, trace roots. Moist.	2						
	1		46.9				
	1	0.4 B					
761.97							
Medium stiff, brown CLAY LOAM, trace gravel. Moist.	3						
	2		16.0				
-15	3	0.5 P		-35			
759.47							
Loose, light brown SANDY CLAY LOAM, trace gravel. Wet.	2						
	2		17.4				
	3						
756.97							
Medium dense, light brown SANDY CLAY LOAM, trace gravel. Wet.	7						
	10		15.7				
-20	12			-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/10/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042649.534,996855.498

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-01A
Station 215+29.4
Offset 10.40ft LT
Ground Surface Elev. 774.97 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 761.5 ft
Upon Completion 761.3 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (7") 774.37				754.47			
STONES(4") 774.05				Medium dense, moderate yellowish brown coarse to fine SAND, wet.	5		
Stiff, pale olive CLAY fill, trace gravel, medium plasticity, moist	3				10		15.9
	4		18.1		14		
	4	1.8 B					
771.97							
Loose, dary yellowish orange fine SANDY LOAM fill, trace gravel, moist.	2				10		
	2		14.6		11		13.1
-5	4			-25	14		
	3			748.47	13		
	2		15.0	Medium dense, olive gray SILT, low plasticity, moist	14		12.0
	3				10		
766.97				746.97			
Medium stiff, moderate yellowish brown SANDY CLAY LOAM, low plasticity, moist, moisture=12.1% 765.97	3			Medium dense, moderate yellowish brown, coarse to fine SANDY LOAM, wet.	5		
Very loose, black SAND, organic odor, moist.	1		35.2		8		14.6
-10 764.47	2			-30	8		
Very loose, black PEAT, wet. Organic content=34.2%	1			742.97			
	2		337.3	Medium dense, olive gray, coarse to fine SAND, wet.			
	1						
761.47					11		
Shelby Tube 13.5-15.5' Medium stiff black PEAT, wet Organic content= 65.3% Compression Index=0.396	U S H	0.5 B	310.9		6		13.5
-15 759.47				-35	19		
Medium dense, moderate yellowish brown GRAVEL, little sand, wet.	6			737.97			
	8		15.7	Medium dense, olive gray, SILTY LOAM, wet.			
	19						
756.97					6		
Medium dense, moderate yellowish brown fine SAND, wet.	5						
	7		16.0		6		10.2
-20	12			-40	5		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 1 STRUCTURE NO. 056–W308	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 0:2 ':" / in.	DRAWN - BMP	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SE-09 OF SE-14 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	658G
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: C:\SHT-056W308-62K69-sboring-SE001.dgn

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SOIL BORING LOG

Date 10/10/23

ROUTE IL 31 **DESCRIPTION** Retaining Wall No. 10 **LOGGED BY** Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 **LOCATION** 2042649.534,996855.498

COUNTY McHenry **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** D70 Auto

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-01A
Station 215+29.4
Offset 10.40ft LT
Ground Surface Elev. 774.97 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 761.5 ft
Upon Completion 761.3 ft
After ____ **Hrs.** Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense, olive gray, SILTY LOAM, wet. *(continued)*				
732.97				
Medium dense, olive gray, fine SAND, wet.		9		
		13		19.7
	-45	12		
727.97				
Very dense, olive gray SILT, wet.		26		
		38		10.7
724.97	-50	22		
End of boring @ 50.0'				
	-55			
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/17/21

ROUTE IL 31 **DESCRIPTION** Retaining Wall No. 10 **LOGGED BY** Vianney

SECTION IL 120 to IL 176 PTB 195-015 **LOCATION** 2042682.829,996855.411

COUNTY McHenry **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-02
Station 215+63
Offset 11.00ft LT
Ground Surface Elev. 775.72 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 764.7 ft
Upon Completion 763.7 ft
After 24 **Hrs.** 764.8 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (10")				
774.89				
Medium stiff, light gray CLAY LOAM, trace gravel . Moist.		4		
		2		18.8
		3	0.8 P	
		4		
		4		18.7
	-5	4		
		2		
		2		26.9
		3	0.5 P	
767.72				
Medium dense, dark brown SANDY CLAY LOAM, trace gravel. Moist.		5		
		7		10.9
	-10	6		
765.22				
Loose, very dark gray SANDY CLAY LOAM, trace gravel. Wet.		3		
		2		30.1
		3		
762.72				
Very soft, black PEAT. Moist. Organic content=17.9%		2		
		2		120.7
	-15	2		
760.22				
Medium dense, gray SANDY CLAY LOAM, little gravel. Wet.		3		
		5		12.7
		7		
757.72				
Soft, gray CLAY LOAM, trace gravel. Wet.		3		
		8		16.5
	-20	8		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
755.22				
Medium dense, light brown SANDY LOAM, trace gravel. Wet.		5		
		10		11.1
		10	0.3 P	
		6		
		8		14.5
750.72	-25	11		
End of Boring @ 25'.				
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = eallbrethsen	DESIGNED - EMA	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOIL BORING LOGS 2**	F.A.P. RTE. 336A
	CHECKED - AMK	REVISED -		**STRUCTURE NO. 056–W308**	SECTION 2019-196-W&R
PLOT SCALE = 0:2 ':" / in.	DRAWN - BMP	REVISED -		SHEET SE-10 OF SE-14 SHEETS	COUNTY McHENRY
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			TOTAL SHEETS 835
					SHEET NO. 658H
					CONTRACT NO. 62K69
					ILLINOIS FED. AID PROJECT

MODEL: Default
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SOIL BORING LOG

Date 11/17/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042748.106,996854.88

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-03
Station 216+28
Offset 11.00ft LT
Ground Surface Elev. 777.01 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 768.5 ft
Upon Completion 768.0 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (10") 776.18				756.51 Medium dense, brown SANDY LOAM, trace gravel. Wet.			
Very soft, black and gray CLAY LOAM, trace gravel. Moist.	2				9		
	2		34.8		10		14.0
	2				11		
774.01				754.01			
Very soft, brown and black CLAY LOAM, trace gravel. Moist.	3			Medium dense, brown SANDY CLAY LOAM, trace gravel. Wet.	3		
	4		23.8		5		15.1
-5	3	0.0 P		752.01 -25	6		
771.51				End of Boring @ 25'.			
Loose, gray SAND AND GRAVEL. Moist.	2						
	3		14.3				
	2						
769.01							
Loose, gray SANDY CLAY LOAM, trace gravel. Wet.	2						
	3		31.3				
-10	2			-30			
766.51							
Very soft, dark brown/black organic CLAY. Moist.	2						
	2		45.0				
	2	0.0 P					
	2						
-15	2	0.0 P	44.5	-35			
761.51							
Very soft, brown CLAY LOAM. Wet.	1						
	2		23.0				
	2	0.0 P					
759.01							
Loose, brown SANDY LOAM, trace gravel. Wet.	4						
	4		18.5				
-20	4			-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/10/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042779.512,996854.053

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-03A
Station 216+59.3
Offset 11.10ft LT
Ground Surface Elev. 777.94 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 763.9 ft
Upon Completion 765.9 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT(7") 777.34				757.44		B	
STONE (5") 776.94				Stiff, olive gray, SANDY CLAY, trace gravel, low plasticity, moist. 4" sand seam at 21.2'	8		
Loose, dark yellowish orange, fine SAND fill, moist	3				6		11.7
	5		14.6		6	1.8	
	4					B	
774.94				754.94			
Medium stiff, very dark brown SILTY CLAY LOAM fill, low plasticity, moist. Organic content=8.2%	2			Medium dense, olive gray, coarse to fine SANDY LOAM, trace gravel, wet.	10		
	1		40.7		11		12.8
-5	3	0.8 P		-25	8		
772.44							
Stiff, dark grayish brown SILTY CLAY fill, medium plasticity, trace brick, moist. Shelby tube @ 6-8'	P				6		
	U S H	1.2 S	18.9		9		19.9
769.94					11		
Very loose, dark yellowish brown, coarse to fine SANDY LOAM fill, trace asphalt and brick, moist.	2			749.94 Dense, olive gray, fine SANDY LOAM, wet.	20		
	1		22.5		24		16.8
-10	1			-30	20		
767.44							
Medium stiff, dark gray, SILTY CLAY LOAM, low plasticity, moist.	1						
	2		37.3				
	1	0.5 P					
764.94							
Stiff, dark gray SILTY CLAY LOAM, trace gravel, low plasticity, moist. Shelby tube @13.5-15.5'	P				10		
	U S H	1.1 B	18.9	743.64	16		14.4
-15				Very stiff, olive gray, SILTY CLAY, trace gravel, medium plasticity, moist. Moisture = 12.9%	28	2.5 B	
762.44							
Medium dense, olive gray, medium to fine SANDY LOAM, wet.	8			740.94 Hard, olive gray SANDY CLAY, medium plasticity, moist.			
	11		17.7				
	6						
759.94							
Very stiff, olive gray, SILTY CLAY, trace gravel, medium plasticity, moist.	6				8		
	6		13.6		15		9.8
-20	9	2.6		-40	21	6.7	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 3 STRUCTURE NO. 056–W308	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 0:2 ':" / in.	DRAWN - BMP	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SE-11 OF SE-14 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	658I
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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SOIL BORING LOG

Date 10/10/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042779.512,996854.053

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D70 Auto

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-03A
Station 216+59.3
Offset 11.10ft LT
Ground Surface Elev. 777.94 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 763.9 ft
Upon Completion 765.9 ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, olive gray SANDY CLAY, medium plasticity, moist. *(continued)* 736.94			B	
Loose, olive gray, fine SAND, wet.		1		
		1 5		16.0
732.94	-45			
End of boring @ 45.0'				
	-50			
	-55			
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/17/21

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Vianney

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042814.968,996855.7

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE D50 Auto (93% efficiency)

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-04
Station 216+95
Offset 10.00ft LT
Ground Surface Elev. 779.29 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (10") 778.46				
Very soft, brown CLAY LOAM, trace gravel. Moist.		2		
		2 3		20.5
776.29				
Very soft, yellowish brown CLAY LOAM, trace gravel. Moist.		4		
		2 3		22.3
773.79	-5			
Loose, dark gray SANDY CLAY LOAM, trace gravel. Moist.		2		
		2 2		27.8
771.29				
Medium stiff, black and dark brown CLAY LOAM, trace gravel. Moist. Organic Content= 6.8%		1		
		1 1		57.2
	-10		0.5 P	
		1		
		1 2	0.0 P	26.4
766.29				
Loose, brown and yellowish brown SANDY CLAY LOAM. Moist.		4		
		4 5		31.3
763.79	-15			
Medium dense,brown and gray SANDY CLAY LOAM. Moist.		6		
		12 13		10.3
761.29				
Stiff, gray CLAY LOAM, trace gravel. Moist.		4		
		5 6	1.8	10.8
	-20			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
758.79			P	
No recovery.		9		
		9 9		
756.29				
Hard, gray CLAY, trace gravel. Moist.		8		
		12 16	4.5 P	10.4
754.29	-25			
End of Boring @ 25'.				
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 4 STRUCTURE NO. 056–W308	
	CHECKED - AMK	REVISED -			
PLOT SCALE = 0:2 ':" / in.	DRAWN - BMP	REVISED -			
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -		SHEET SE-12 OF SE-14 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	658J
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: C:\SHT-056W308-62K69-boring-SE004.dgn
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SOIL BORING LOG

Date 10/24/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042635.681,996908.382

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-HA01
Station 215+15.4
Offset 42.50ft RT
Ground Surface Elev. 766.85 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 764.9 ft
Upon Completion 764.9 ft
After 24 Hrs. 765.5 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (8") 766.18		P		
Soft, brown CLAY, trace organics, medium plasticity, moist 764.85		U S H	0.3 P	25.3
Dark reddish brown, coarse to fine SANDY LOAM, little gravel, wet 762.35		P		
		U S H		28.2
Very soft, black, organic CLAY LOAM, low plasticity, moist Organic content=29.3%	-5	P		
		U S H	<0.25	134.5
758.85		P		
		U S H	<0.25	64.9
Gray, coarse to fine SANDY LOAM AND GRAVEL, wet		P		
	-10	U S H		13.6
754.85		P		
		U S H		14.9
No recovery 752.85		P		
		U S H		
Gray, coarse to fine SANDY LOAM AND GRAVEL, wet	-15	P		
		U S H		18.2
750.85		P		
End of boring @ 16.0'				
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/24/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042688.567,996910.756

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-HA02
Station 215+68.2
Offset 45.10ft RT
Ground Surface Elev. 767.15 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 764.2 ft
Upon Completion 764.4 ft
After 24 Hrs. 765.5 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, brown CLAY LOAM, trace organics, low plasticity, moist		P		
		U S H	1.0 P	49.2
764.15		P		
		U S H		96.0
Brownish black, coarse to fine SANDY LOAM, wet 763.15		P		
Very soft, black, organic CLAY, low plasticity, moist	-5	U S H	<0.25 P	111.0
Organic content=21.3%		P		
759.15		U S H	<0.25 P	127.2
Dark gray, coarse to fine, SANDY LOAM AND GRAVEL, wet		P		
	-10	U S H		17.4
755.15		P		
		U S H		27.4
Gray, coarse to fine SAND AND GRAVEL, wet 753.15		P		
		U S H		13.1
Brown, fine SAND, wet	-15	P		
		U S H		14.5
751.15		P		
End of boring @ 16.0'				
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 10/24/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042747.113,996908.927

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-HA03
Station 216+26.7
Offset 43.60ft RT
Ground Surface Elev. 769.21 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 767.2 ft
Upon Completion 767.5 ft
After 24 Hrs. 768.9 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (2") 769.01		P		
Very soft, brownish black CLAY LOAM, trace organics, low plasticity, wet 767.21		U S H	<0.25 P	43.9
Very soft, grayish black SILTY CLAY LOAM, trace organics, low plasticity, wet 765.21		P U S H	<0.25 P	34.7
Medium stiff, black, organic CLAY, low plasticity, moist Organic content=11.4% 763.21	-5	P U S H	0.5 P	54.4
Soft, pale green with black and orange mottling CLAY, medium plasticity, moist 761.21		P U S H	0.3 P	31.3
Brownish black, coarse to fine SANDY LOAM, trace gravel, wet 759.21	-10	P U S H		42.9
Medium stiff, pale olive with orange mottling CLAY, medium plasticity, moist 757.21		P U S H	0.5 P	18.3
Very stiff, light olive gray SANDY CLAY, medium plasticity, moist		P U S H	2.5 P	12.0
753.21	-15	P U S H	2.5 P	11.7
End of boring @ 16.0'	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Date 10/24/23

ROUTE IL 31 DESCRIPTION Retaining Wall No. 10 LOGGED BY Sponaugle

SECTION IL 120 to IL 176 PTB 195-015 LOCATION 2042831.212,996911.419

COUNTY McHenry DRILLING METHOD Geoprobe LB Sampler HAMMER TYPE Jack Hammer

STRUCT. NO. Retaining Wall No. 10
Station 215+00 to 217+30 56' RT

BORING NO. RW10-HA04
Station 217+10.7
Offset 46.50ft RT
Ground Surface Elev. 777.53 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Hole collapse ft
After ____ Hrs. Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (4") 777.20		P		
Brown, coarse to fine SANDY LOAM, trace organics, moist 775.53		U S H		14.2
Dark reddish brown coarse to fine SANDY LOAM, moist 773.53		P U S H		19.5
Red, fine SANDY LOAM, moist 771.53	-5	P U S H		27.3
Stiff, light gray SILTY CLAY LOAM, low plasticity, moist 769.53		P U S H	1.5 P	14.6
Stiff, brown SILTY CLAY, medium plasticity, moist	-10	P U S H	1.5 P	22.5
765.53		P U S H	1.5 P	25.7
Very soft, reddish brown SILTY CLAY LOAM, medium plasticity, moist 763.53		P U S H	<0.25 P	32.9
Very stiff, brown SILTY CLAY, trace gravel, medium plasticity, moist 761.53	-15	P U S H	3.5 P	13.8
End of boring @ 16.0'	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

USER NAME = ealbrethsen	DESIGNED - EMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS 6 STRUCTURE NO. 056–W308	F.A.P. RTE. 336A; SECTION 2019-196-W&R; COUNTY McHENRY; TOTAL SHEETS 835; SHEET NO. 658L
	CHECKED - AMK	REVISED -			CONTRACT NO. 62K69
PLOT SCALE = 0:2 ':" / in.	DRAWN - BMP	REVISED -		SHEET SE-14 OF SE-14 SHEETS	ILLINOIS FED. AID PROJECT
PLOT DATE = 10/4/2024	CHECKED - AMK	REVISED -			

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10/4/2024 9:10:02 AM

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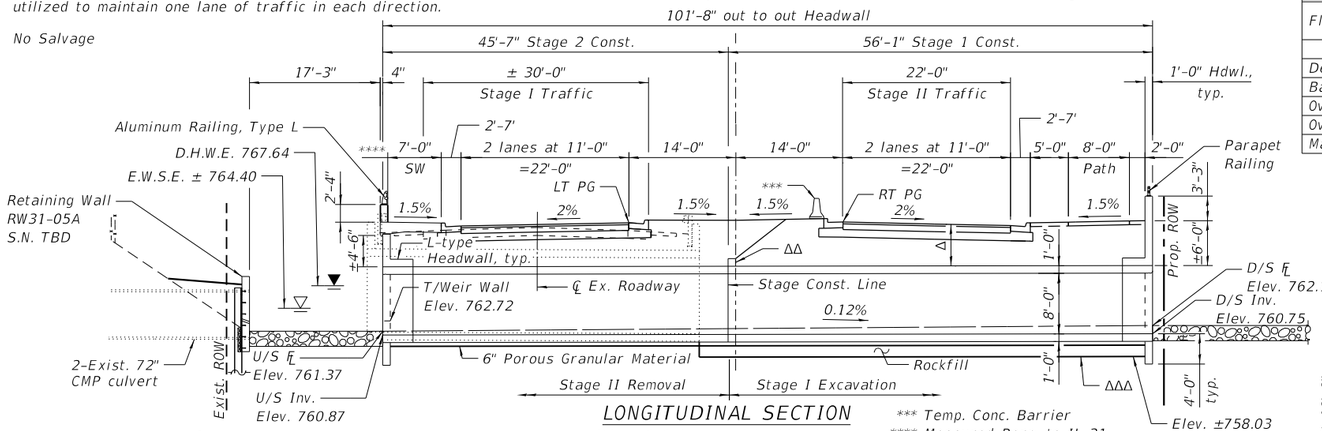
Benchmark: PEI #380 ⅝" rebar with yellow cap set in west shoulder of IL Route 31. Sta. 216+56.89, Offset 52.94' Lt. Elev. 778.16.

Existing Structure: S.N. 056-0230. Original built year unknown. West wingwalls were reconstructed in 1987 under FAP336. The existing structure is a one-cell 10' X 10' cast-in-place box culvert. Out-to-out length is ±44'-0" Structure is to be removed and replaced with a precast concrete box culvert. Staged construction will be utilized to maintain one lane of traffic in each direction.

No Salvage



LONGITUDINAL SECTION

(Along ℄ Culvert and Looking North)

*** Temp. Conc. Barrier
**** Measured Perp. to IL-31
Δ Depth of cover varies ±5'-3" min. to ±6'-7" max.
ΔΔ 1'-0" x 1'-0" Temporary headwall
ΔΔΔ Limits of Removal & Disposal of Unsuitable Material for Structures

WATERWAY INFORMATION

Drainage Area = 10.1 sq. mi.

Exist. Overtopping Elev. 773.95 @ Sta. 211+83
Prop. Overtopping Elev. 775.80 @ Sta. 211+00

Flood	Freq. Yr.	Q C.F.S.	Opening Ft² Exist.	Opening Ft² Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	522	51	127	766.71	2.24	0	768.95	766.49
Design	50	859	60	153	767.64	4.52	0.17	772.16	767.81
Base	100	1027	64	164	768.02	5.75	0.40	773.77	768.42
Overtop Exist.	105	1030	64	164	768.02	5.75	0.41	773.77	768.43
Overtop Prop.	6300	1970	80	186	769.61	5.58	2.64	775.19	772.25
Max. Calc.	500	1392	71	183	768.78	5.76	0.87	774.54	769.65

10-Year Velocity through Existing Structure = 7.2 ft/sec
10-Year Velocty through Proposed Structure = 4.2 ft/sec

HIGHWAY CLASSIFICATION

F.A.P. 336A - IL Route 31
Functional Class: Other Principal Arterial
ADT: 22,200 (2023); 31,000 (2050)
ADTT: 2,300 (2023); 2,480 (2050)
DHV: 3,100 (2050)
Design Speed: 45 m.p.h.
Posted Speed: 45 m.p.h.
Two-Way Traffic
Directional Distribution: 50%/50%

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

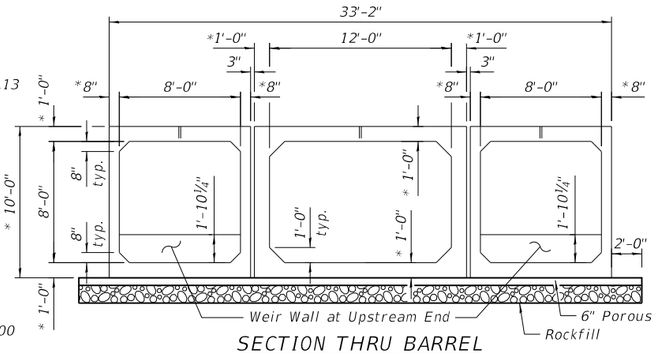
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (reinforcement)
fy = 50,000 psi (M270 Grade 50)

PRECAST UNITS

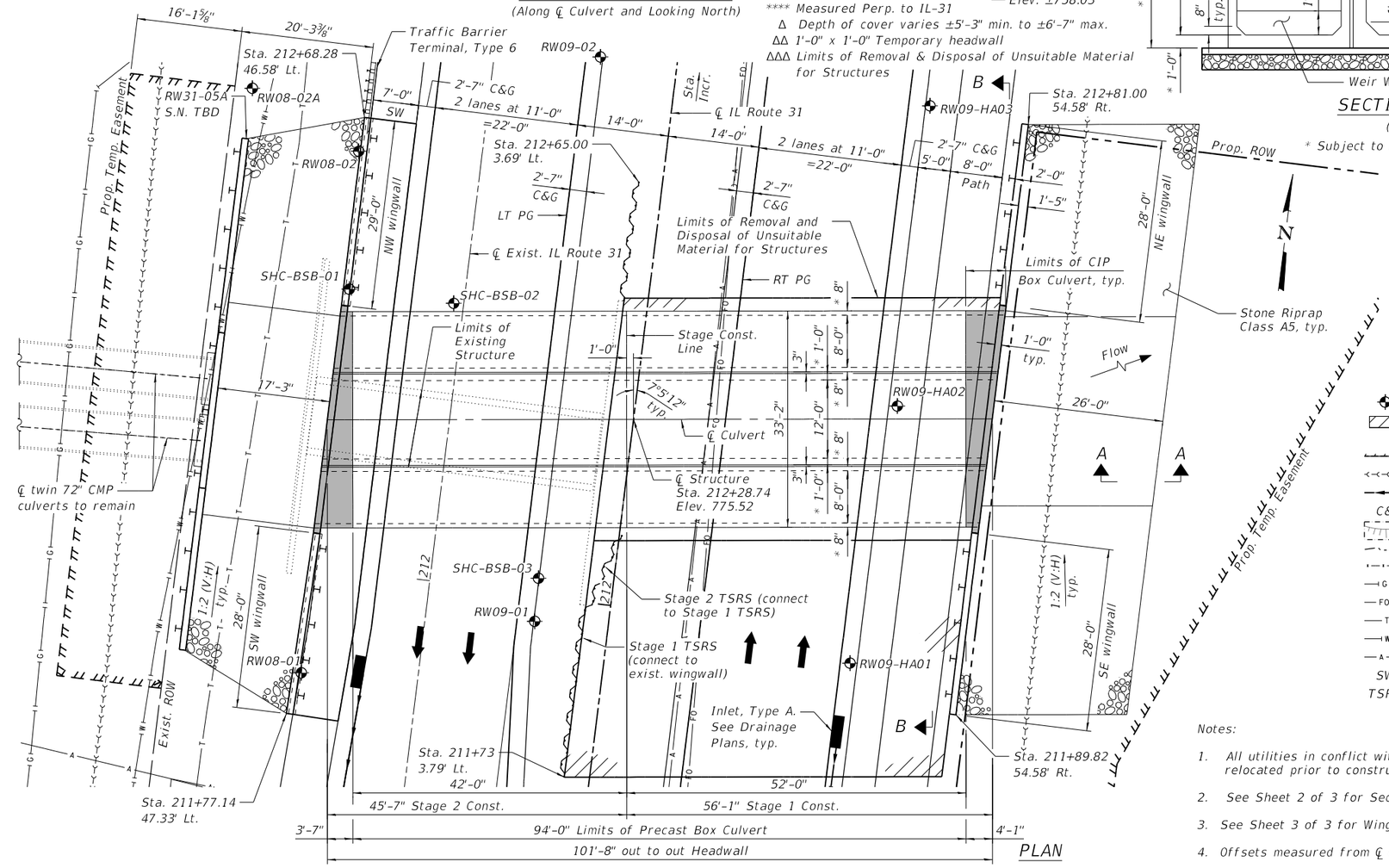
f'c = 5,000 psi
fy = 60,000 psi (Reinforcement)
fy = 65,000 psi (Welded Wire Fabric)



SECTION THRU BARREL

(Looking Upstream)

* Subject to refinement during final design.



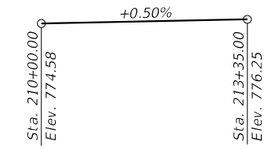
PLAN

LEGEND

- Soil Boring Location
- Removal and Disposal of Unsuitable Material for Structures
- Exist. Drainage Removal
- Exsit. Sanitary Sewer
- Prop. Storm Sewer
- C&G Curb & Gutter, Type B-6.24
- Wetland
- WOUS Limits
- Exist. fence to remain
- Exist. Underground Gas
- Exist. Underground Fiber Optic
- Exist. Underground Telephone
- Exist. Underground Water
- Exist. Aerial Line
- SW Sidewalk
- TSRS Temporary Soil Retention System

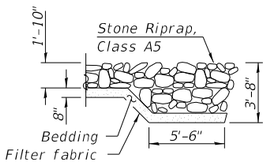
Notes:

1. All utilities in conflict with proposed structure to be relocated prior to construction.
2. See Sheet 2 of 3 for Section B-B.
3. See Sheet 3 of 3 for Wingwall Elevation Views.
4. Offsets measured from ℄ of roadway to F.F. of wall.

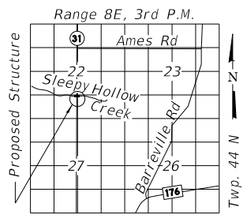


PROFILE GRADE - IL ROUTE 31

Along LT and RT PG's.



SECTION A-A



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL ROUTE 31 OVER SLEEPY HOLLOW CREEK
F.A.P. 336A - SECTION 2019-196-W&R
McHENRY COUNTY
STATION 212+28.74
STRUCTURE NO. 056-0102

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	CHECKED - AMK	REVISED -		
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PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	659
		CONTRACT NO.		62K69
		ILLINOIS	FED. AID PROJECT	

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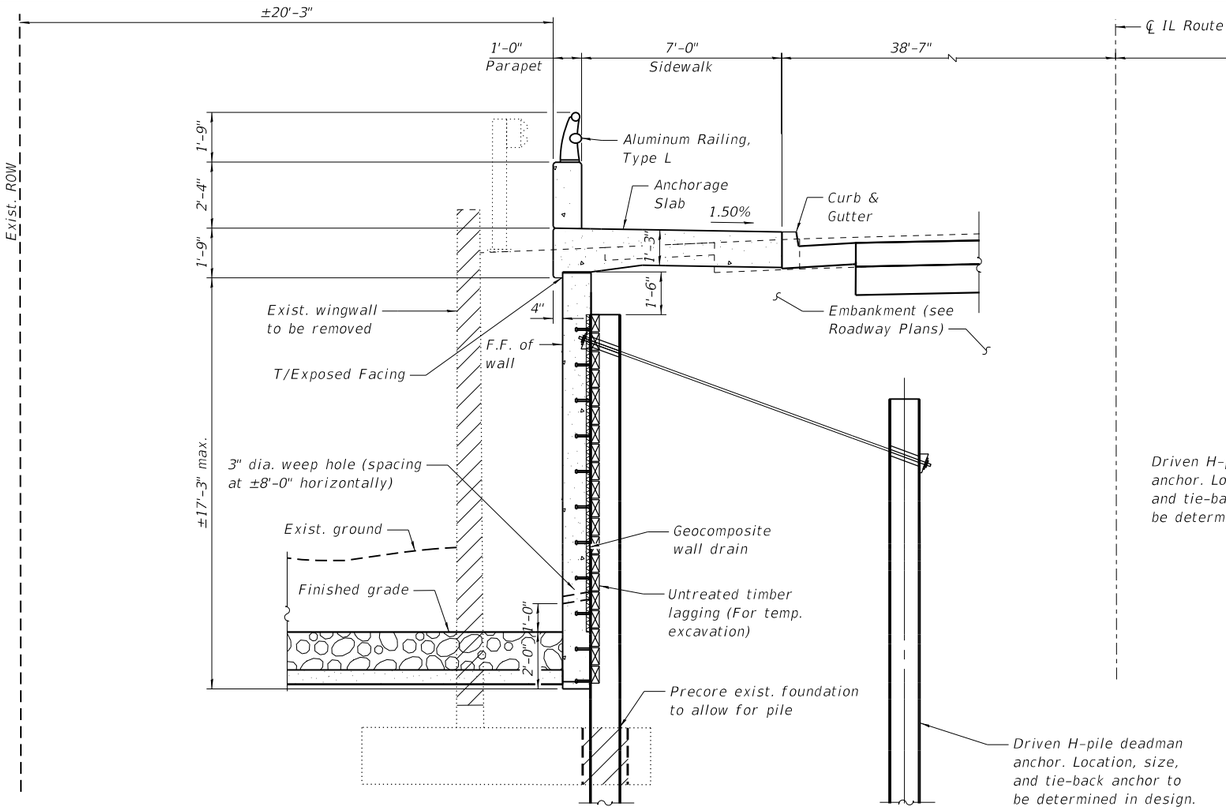
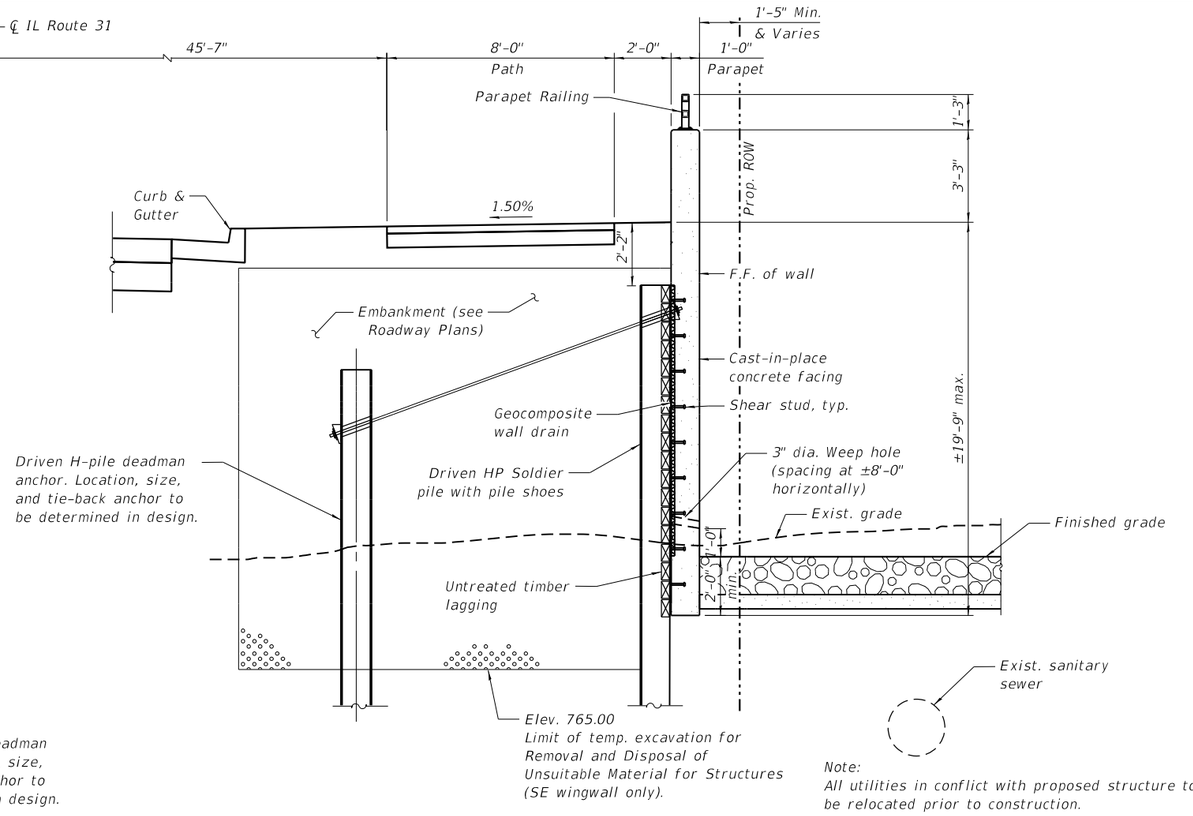
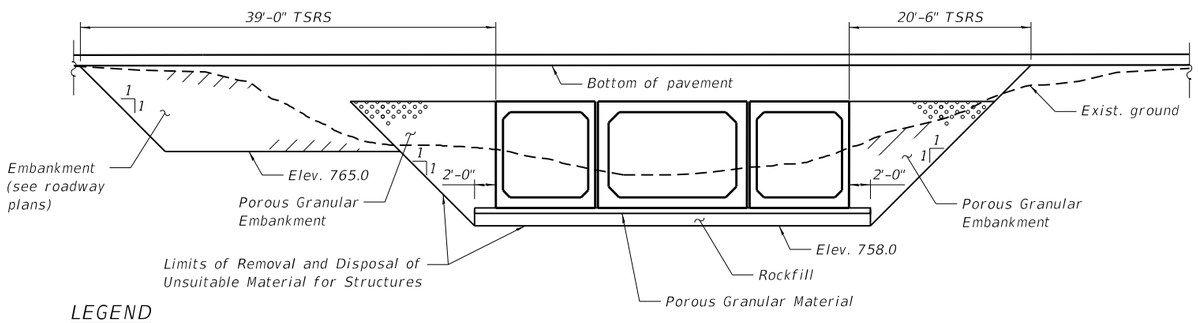


CROSS SECTION – NE and SE WINGWALLS



Note:
All utilities in conflict with proposed structure to be relocated prior to construction.

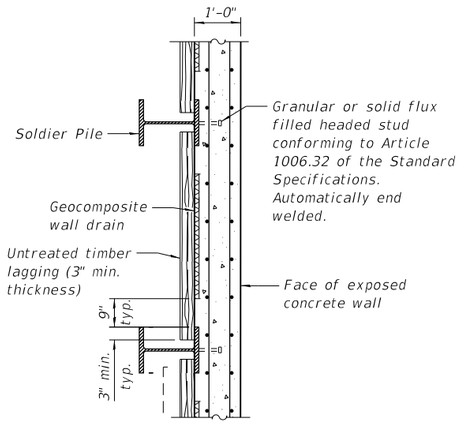
CROSS SECTION – NW and SW WINGWALLS



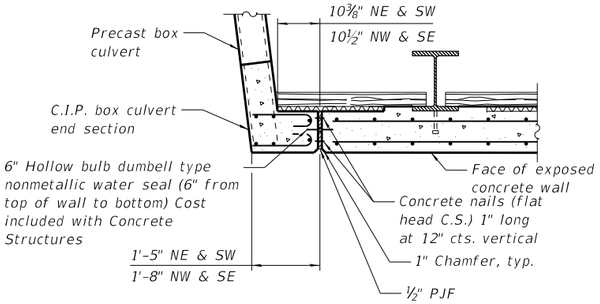
LEGEND

- Removal
- Porous Granular Embankment
- Rockfill
- B.F. Back Face
- F.F. Front Face

SECTION B-B



SECTION THRU SOLDIER PILE WALL



JOINT DETAIL BETWEEN SOLDIER PILE WINGWALL AND CULVERT END SECTION

WINGWALL DETAILS
IL ROUTE 31 OVER SLEEPY HOLLOW CREEK
F.A.P. 336A – SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 212+28.74
STRUCTURE NO. 056-0102

USER NAME = bwitort	DESIGNED -	REVISED -	
	CHECKED - AMK	REVISED -	
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PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R		835	660
		CONTRACT NO.	62K69	
		ILLINOIS	FED. AID PROJECT	

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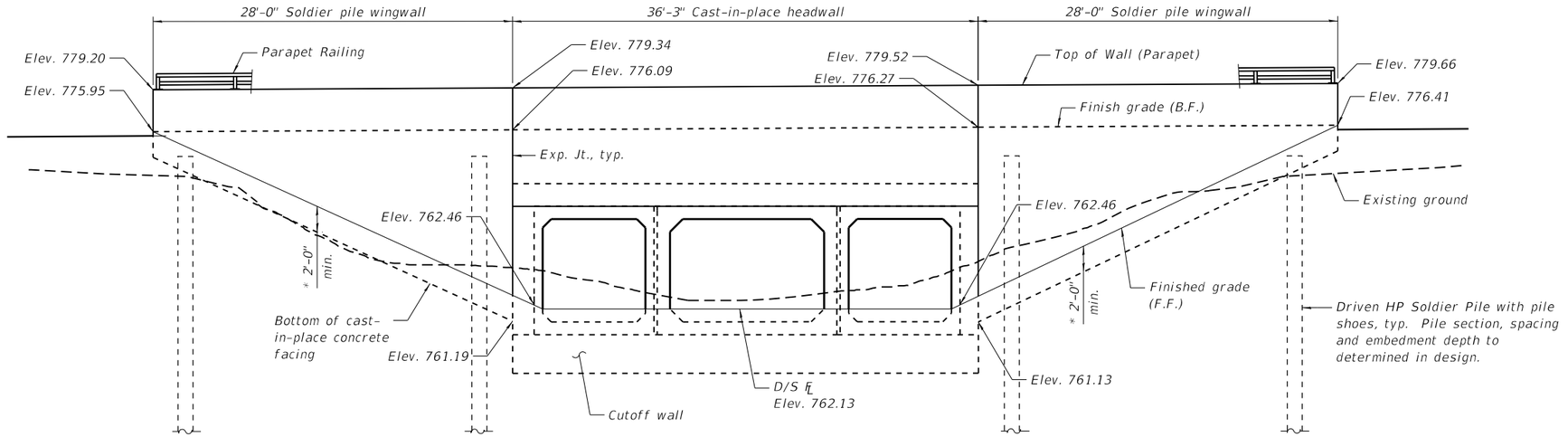
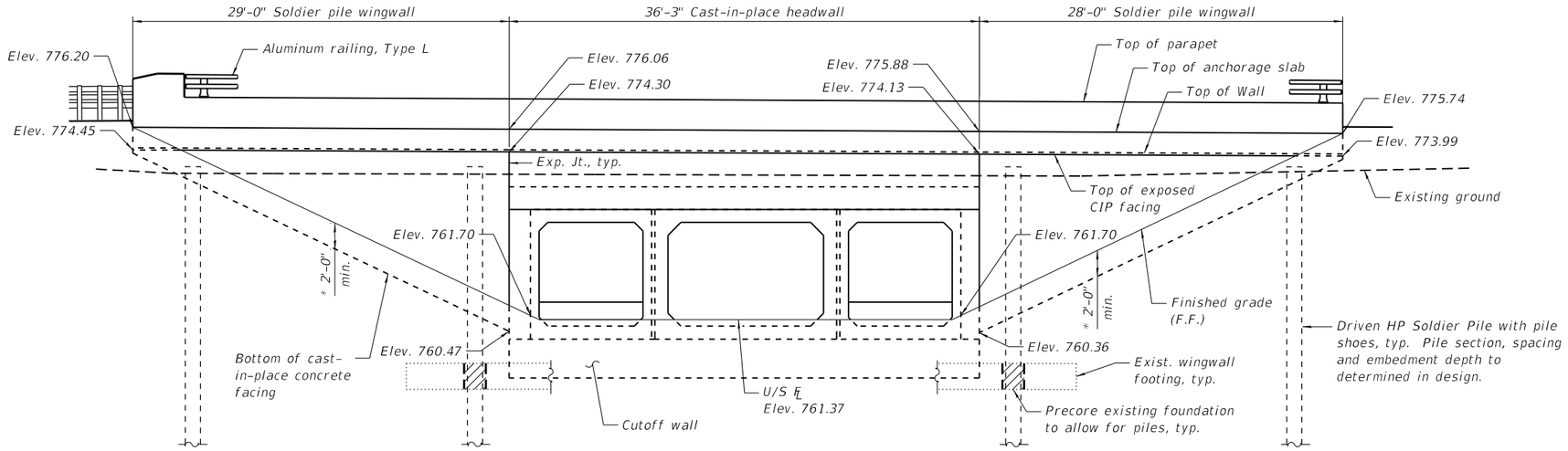


ELEVATION - NE AND SE WINGWALLS
(Looking West)

* Subject to refinement during final plans.



ELEVATION - NW AND SW WINGWALLS
(Looking East)

WINGWALL ELEVATION VIEWS
IL ROUTE 31 OVER SLEEPY HOLLOW CREEK
F.A.P. 336A - SECTION 2019-196-W&R
MCHENRY COUNTY
STA. 212+28.74
STRUCTURE NO. 056-0102

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PLOT DATE = 10/3/2024	CHECKED - AMK	REVISED -	

SHEET 3 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R		835	661
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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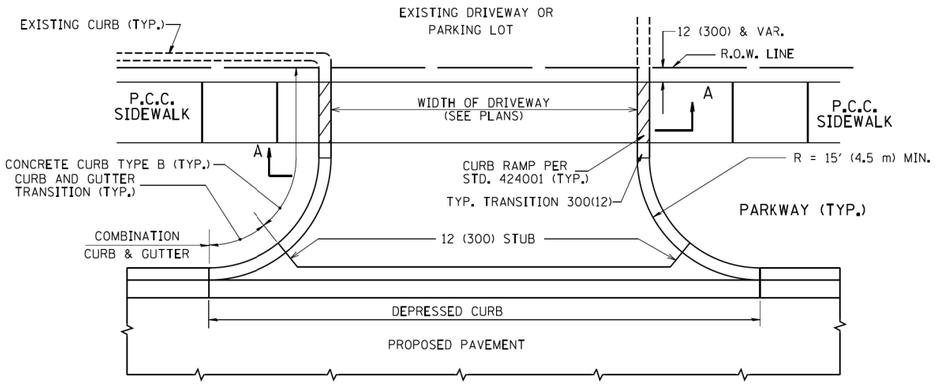
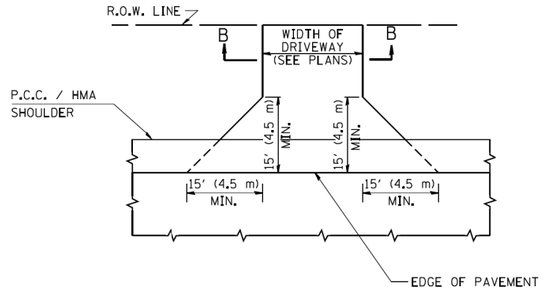
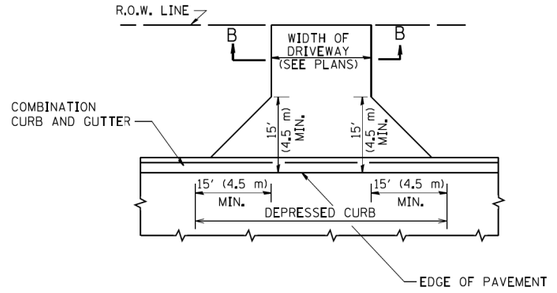


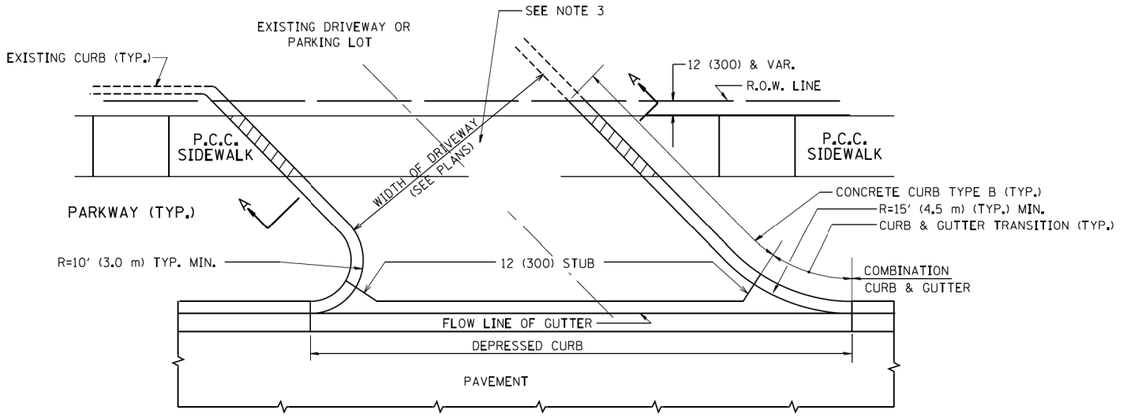
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



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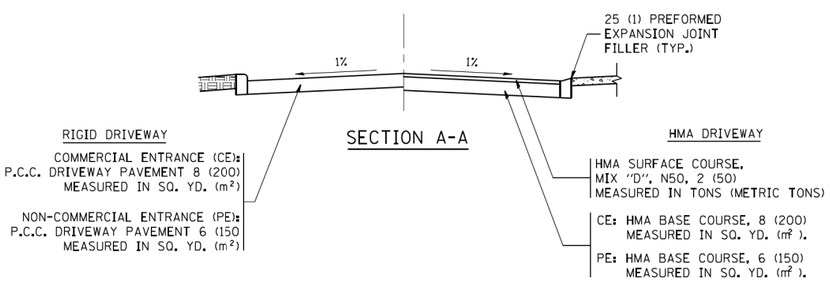

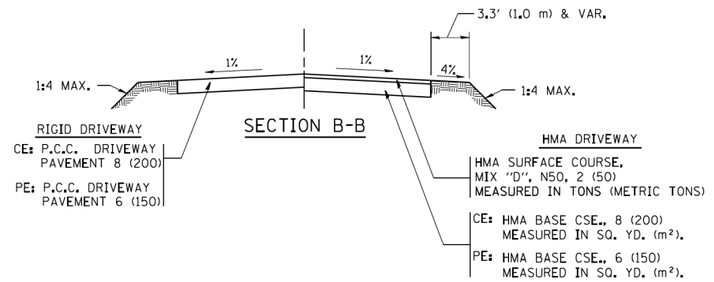

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m^2).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME = c:\pw_work\pwidot\leysa\d0108315\bd01.dgn	USER NAME = leysa	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07			336A	2019-196-W&R	McHENRY	835	662
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 06-11-08				BD0156-07 (BD-01)		CONTRACT NO. 62K69	
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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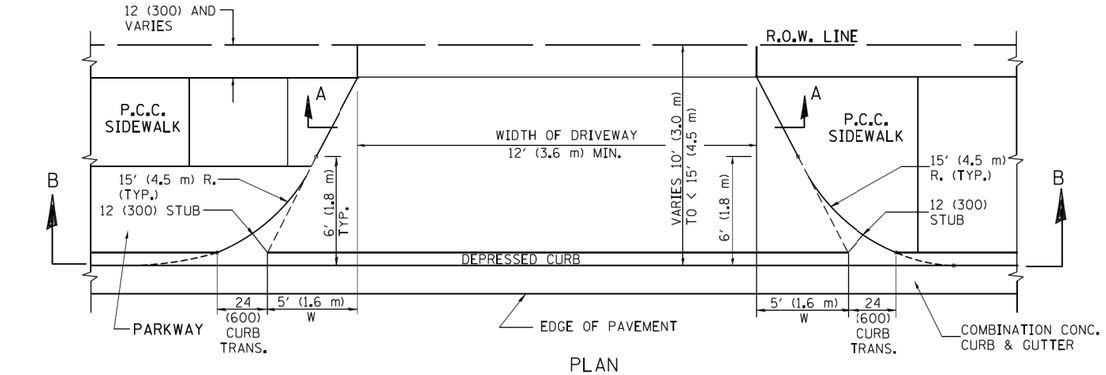
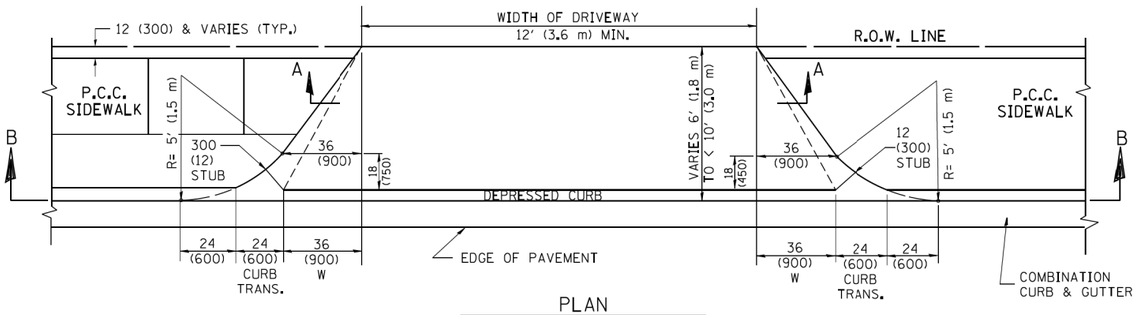


PLAN

10' (3.0 m) TO < 15' (4.5 m)



PLAN

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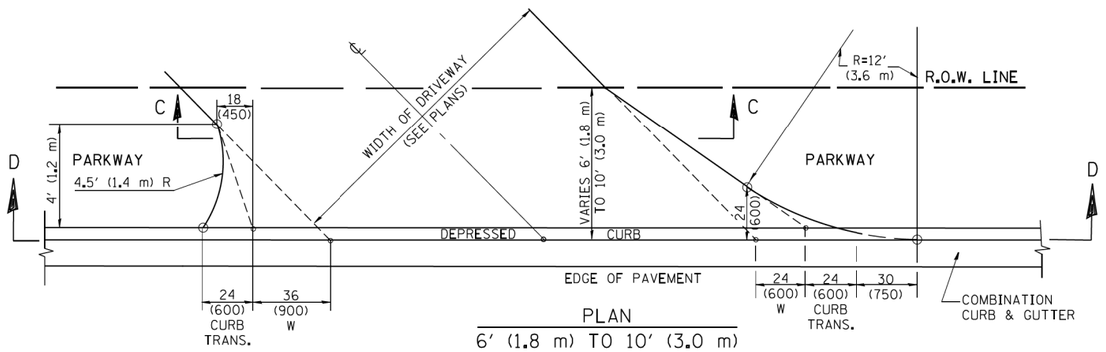
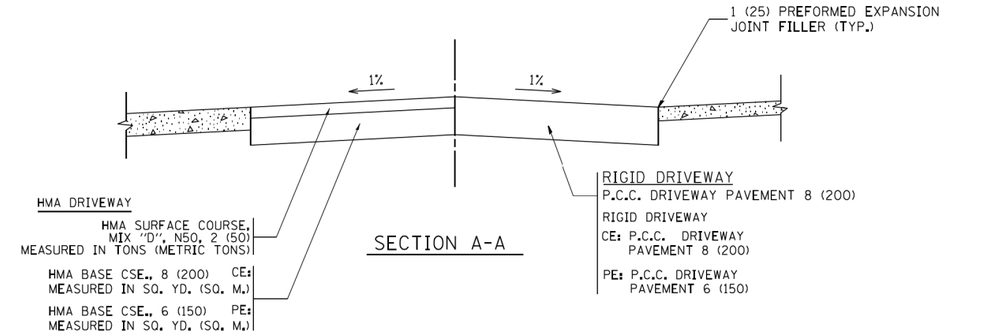
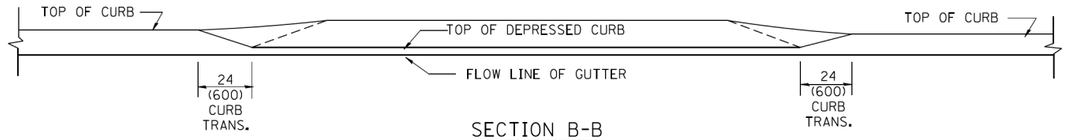


PLAN

6' (1.8 m) TO 10' (3.0 m)



SECTION A-A



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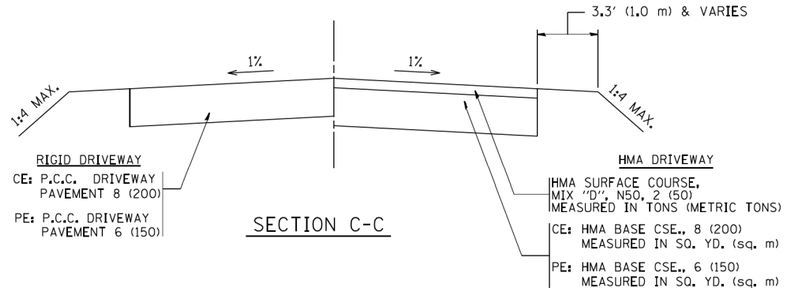
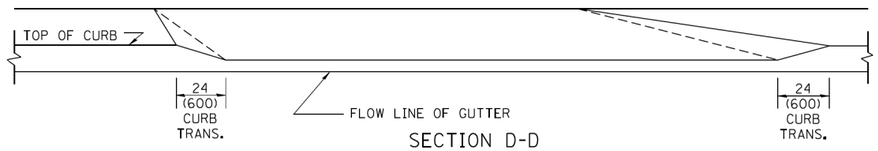


SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	663
	BD400-02 (BD-02)	CONTRACT NO. 62K69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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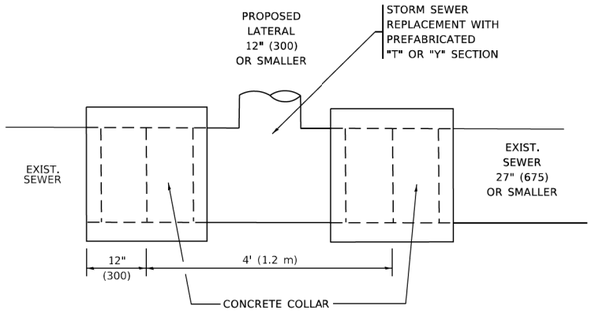
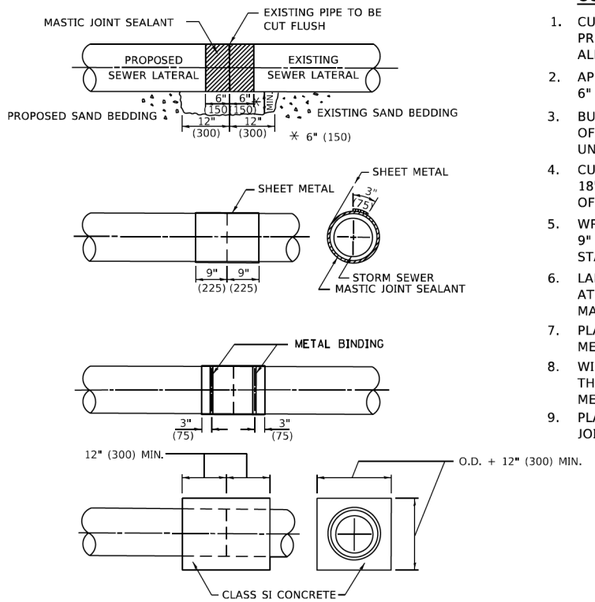


DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

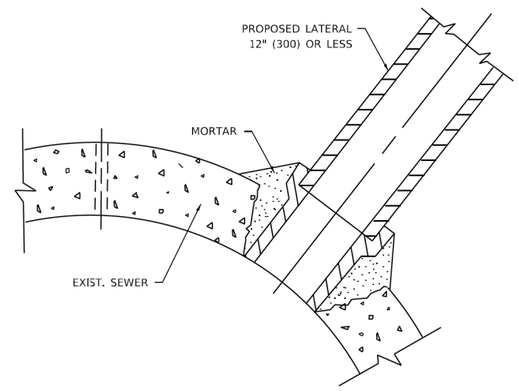


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
- A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
- B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. SHAH 06-12-96	
PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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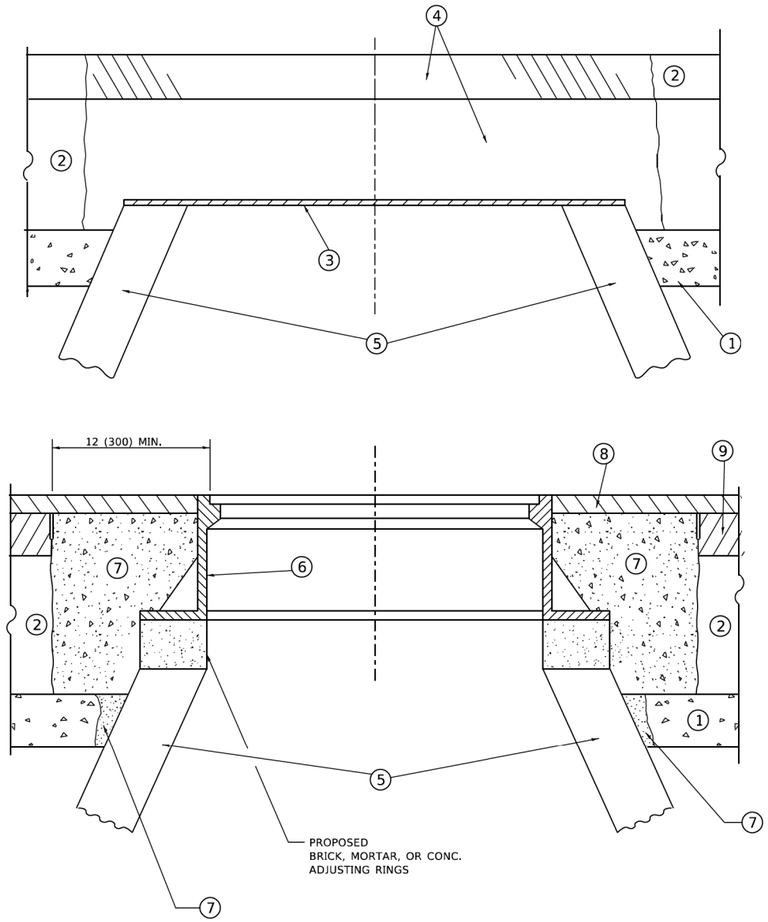
	BD500-01 (BD-07)	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS PP-2* CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	DRAWN -	REVISED - R. BORO 12-06-11	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 11-18-22	
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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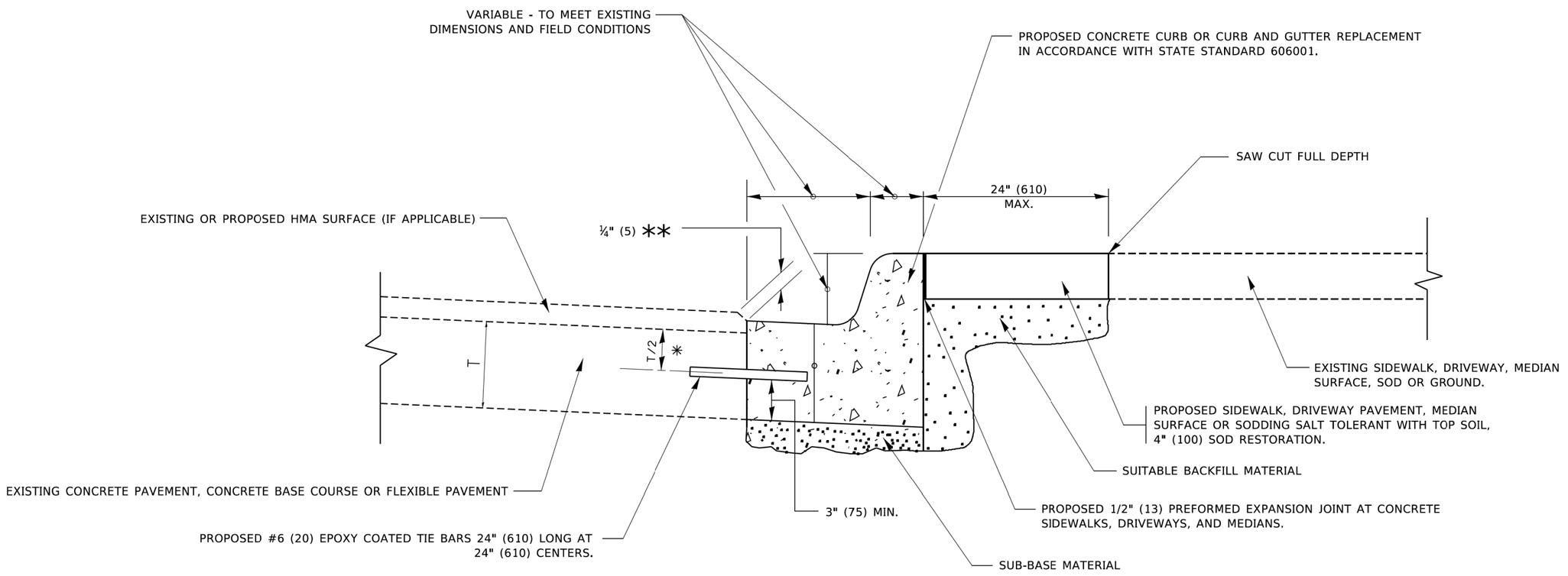
	BD600-03 (BD-08)	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	DRAWN -	REVISED - M. GOMEZ 01-22-01	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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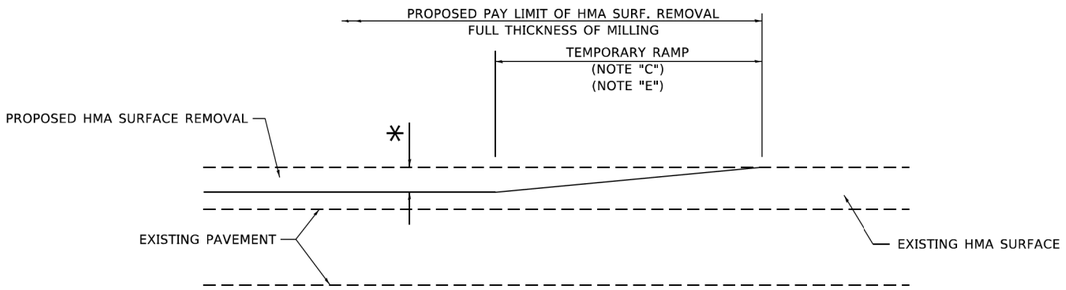
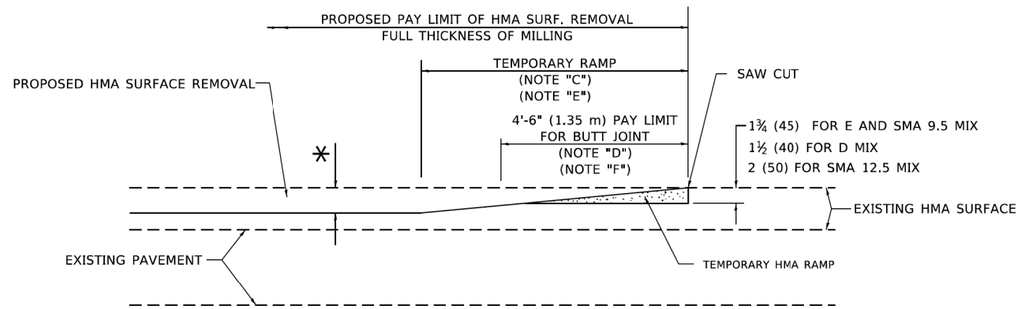
	BD600–06 (BD–24)	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

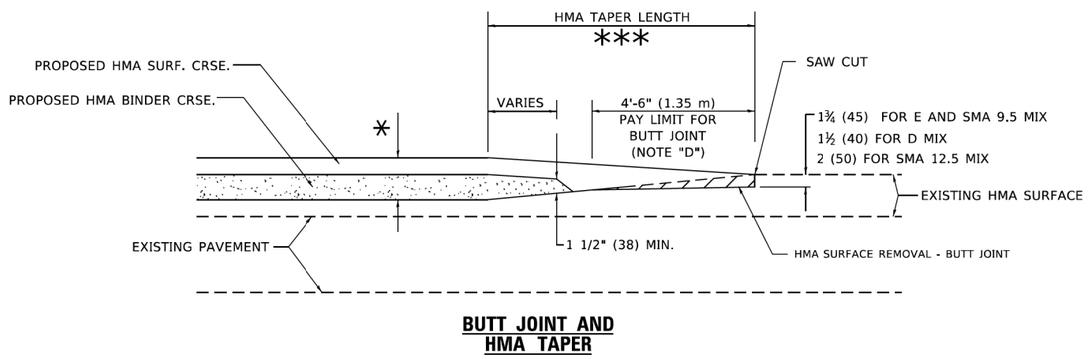


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

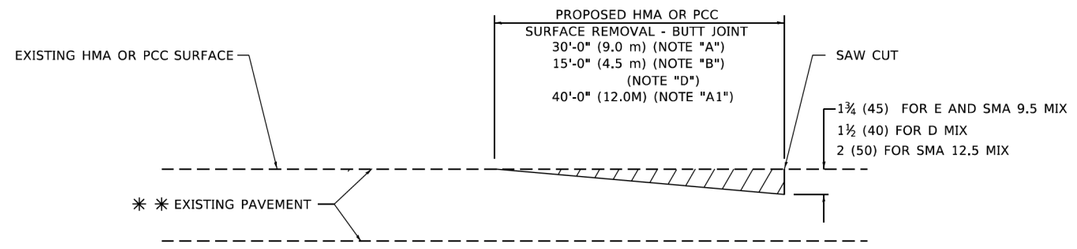
OPTION 2

TYPICAL TEMPORARY RAMP

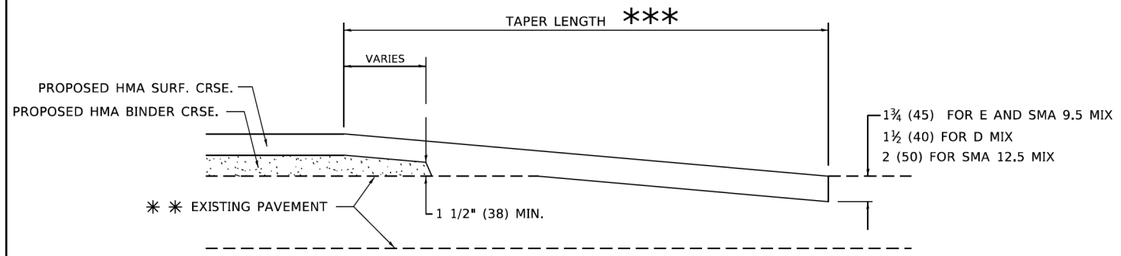


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 04-26-01	
PLOT SCALE = 100.0000 ' / In.	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	667
	BD400-05 BD-32	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

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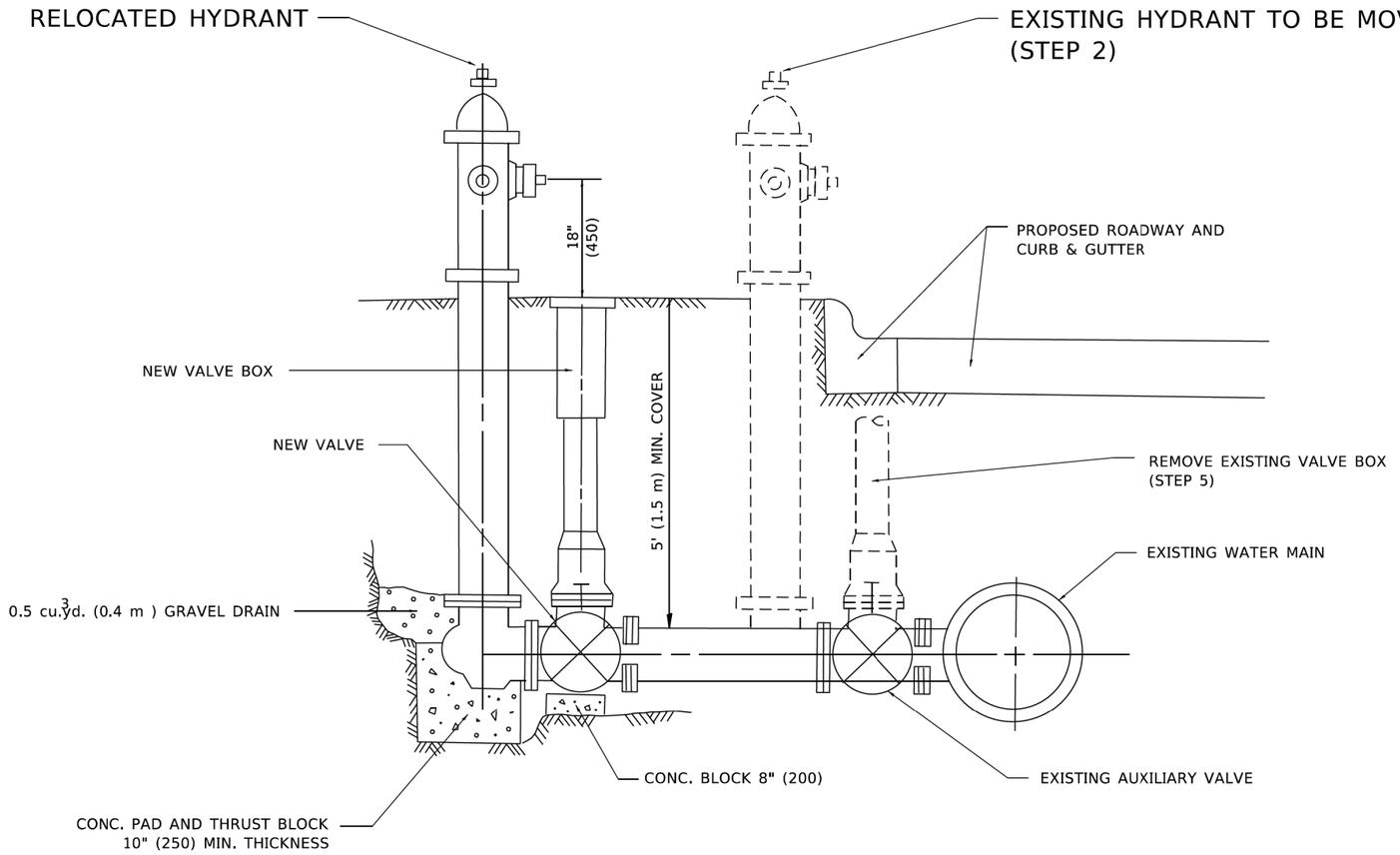


SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

NOTE:

ALL WORK TO BE DONE IN ACCORDANCE WITH SECTION 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\DistStd22x34\CADData\CADsheets\bd36.dgn

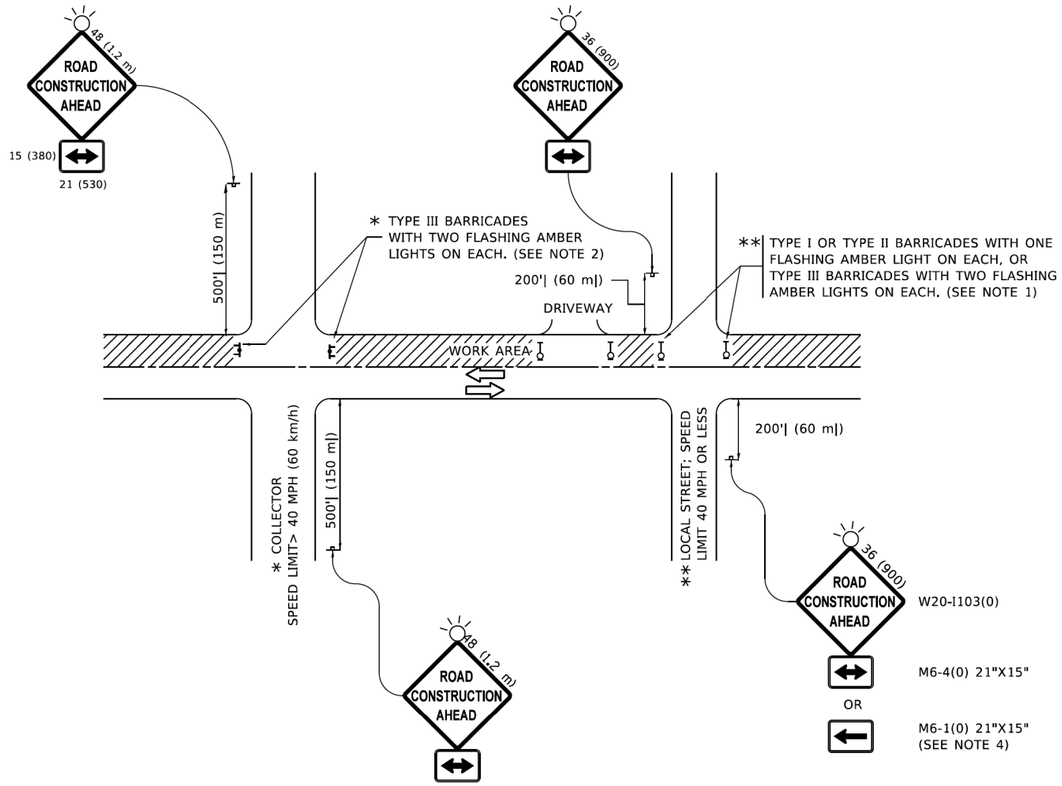
USER NAME = Lawrence.DeManche	DESIGNED -	REVISED -	R. SHAH 09-09-94
	DRAWN -	REVISED -	R. SHAH 10-25-94
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	K. SMITH 11-18-22
PLOT DATE = 11/18/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	668
	BD-36	CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	669
	TC-10	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

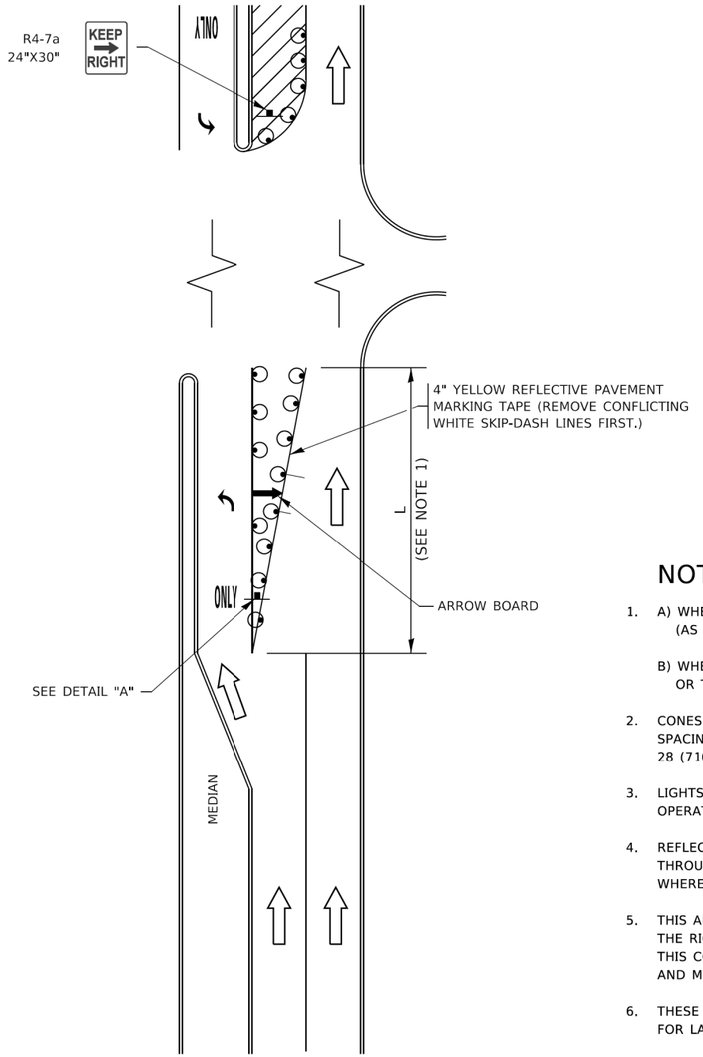


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

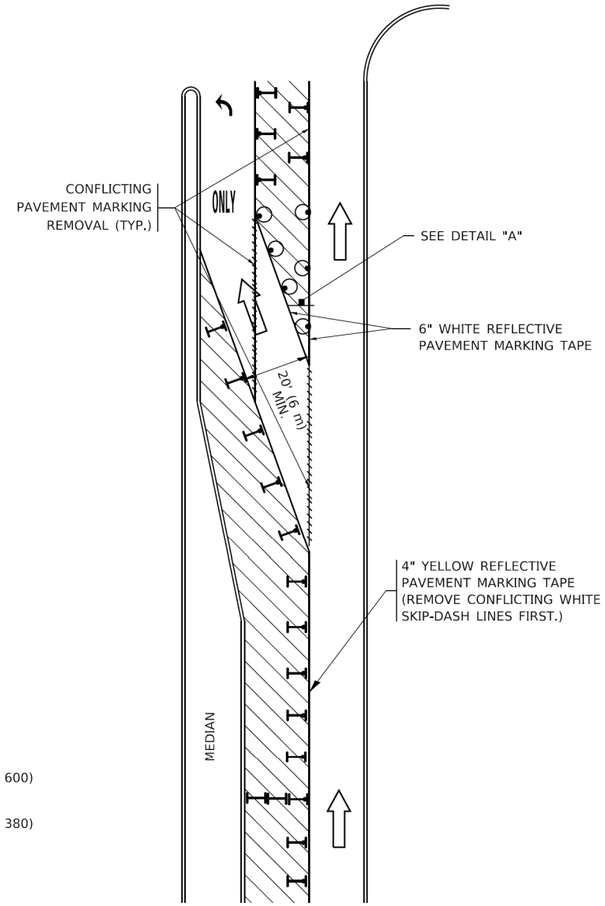
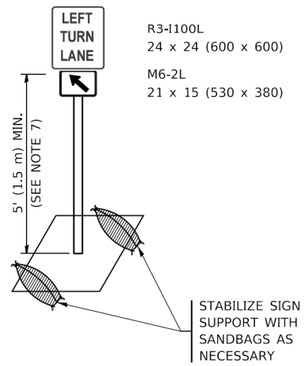


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default
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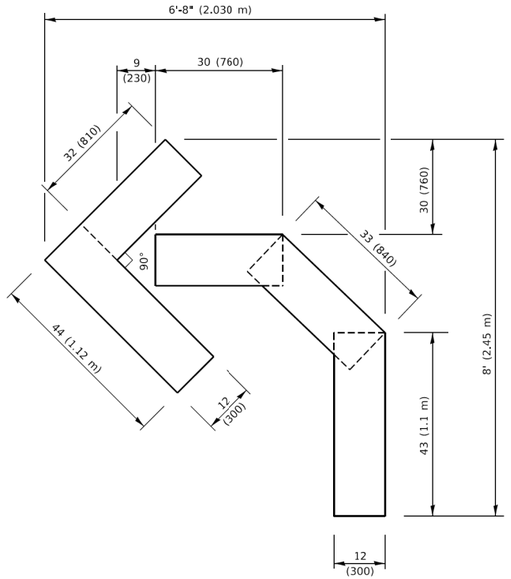
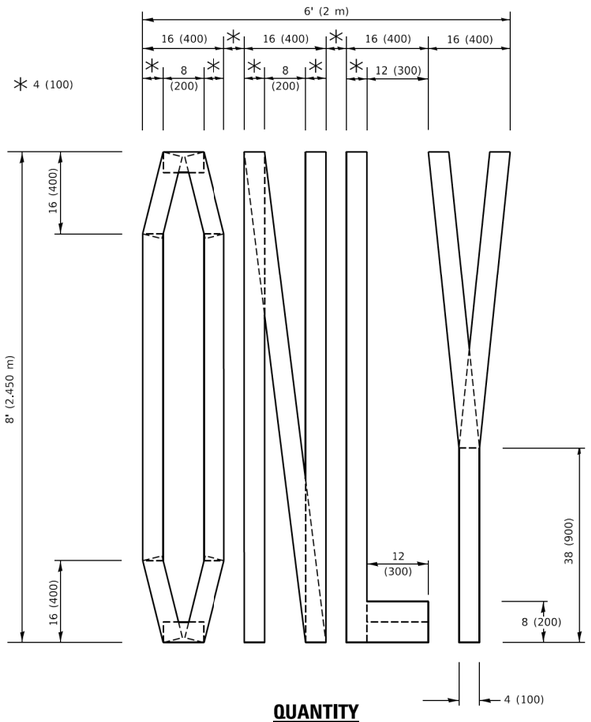
USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13			
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	670
	TC-14	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



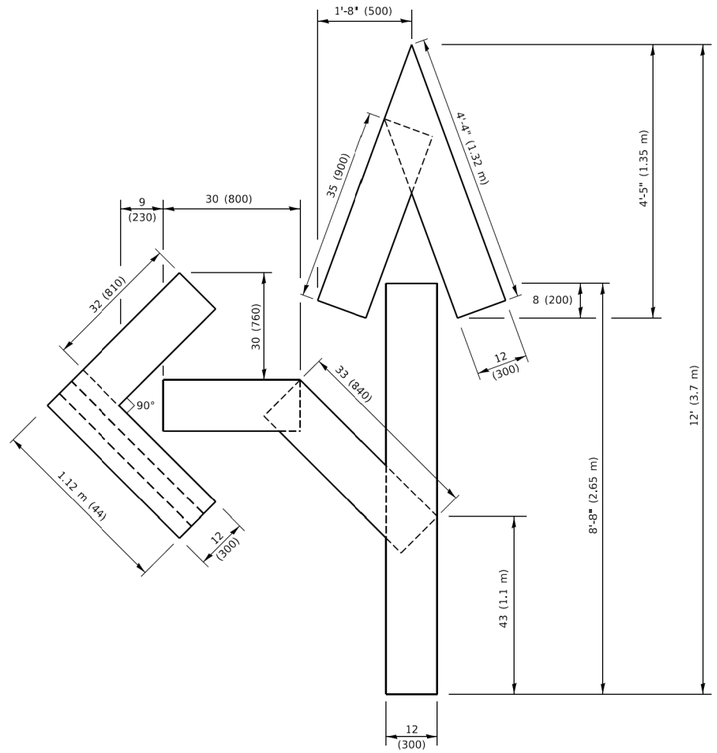
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

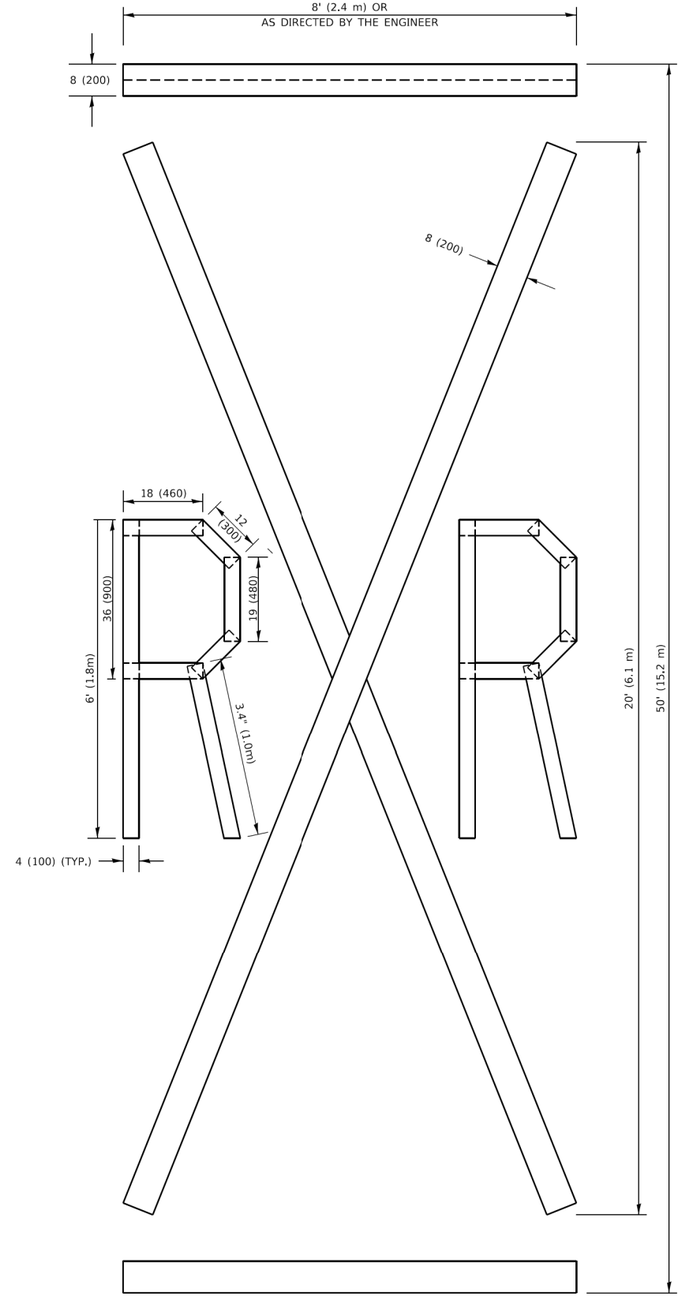


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	671
	TC-16	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

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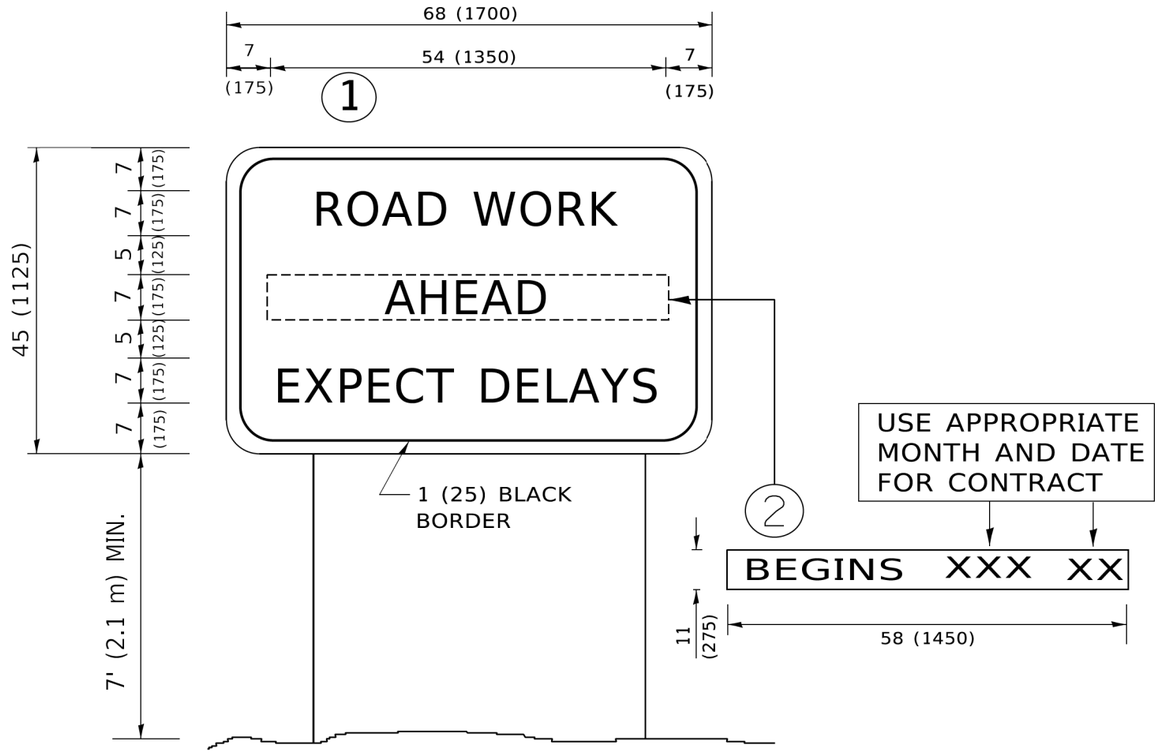
tc16.dgn 3/4/2019 10:37:35 AM User:footemj



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN 1 WITH INSTALLED PANEL 2 ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL 2 SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
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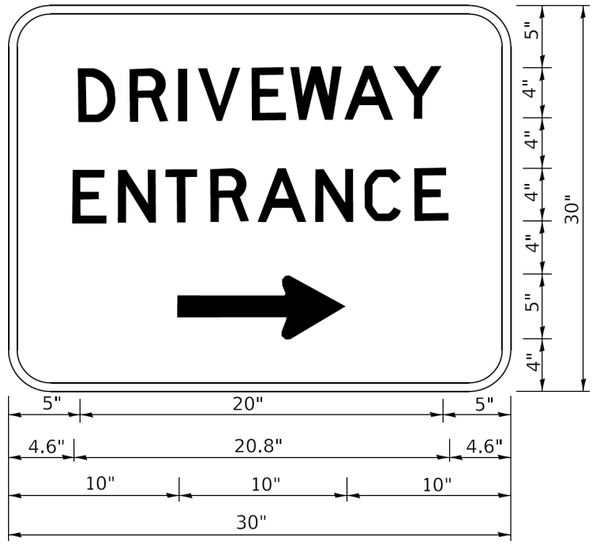
USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - R. MIRS 12-11-97	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07	

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	672
TC-22		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: Default
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USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/6/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

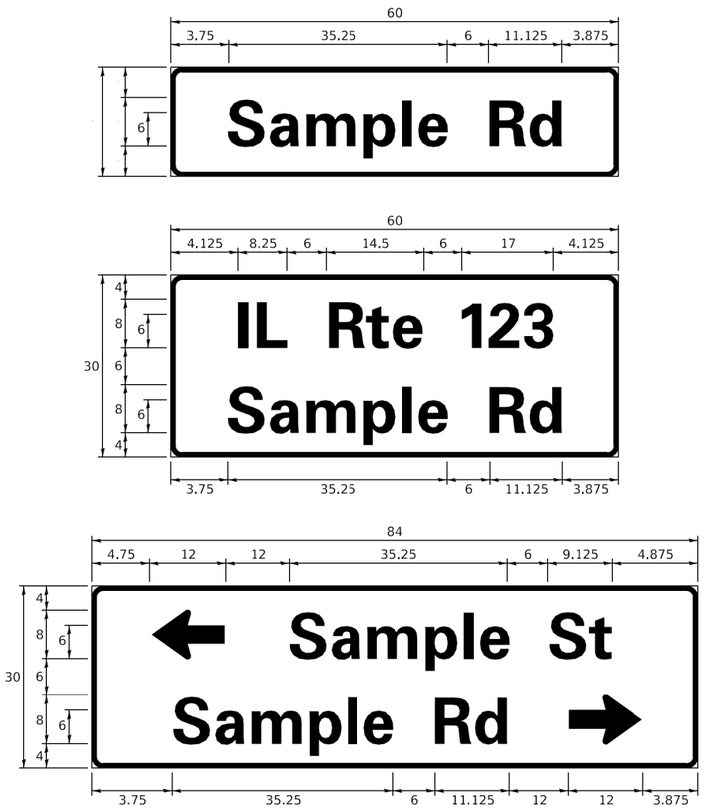
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	673
	TC-26	CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

tc26.dgn 8/6/2021 8:37:07 AM leysa

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

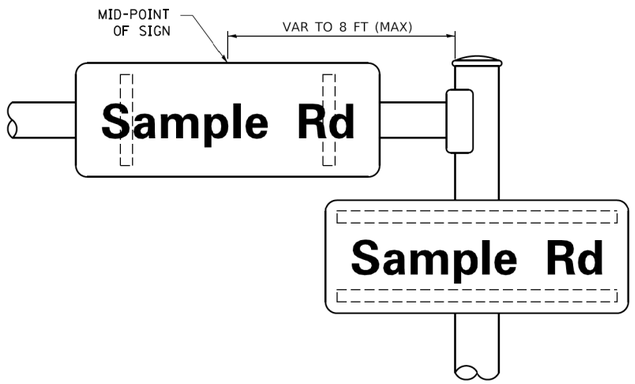
PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

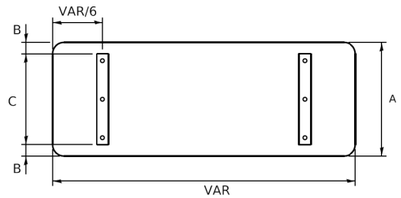
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

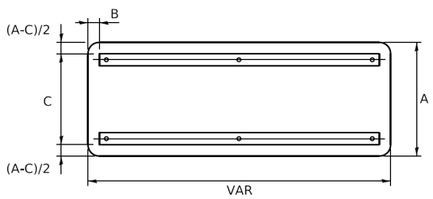
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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	DRAWN - LP	REVISED -		
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PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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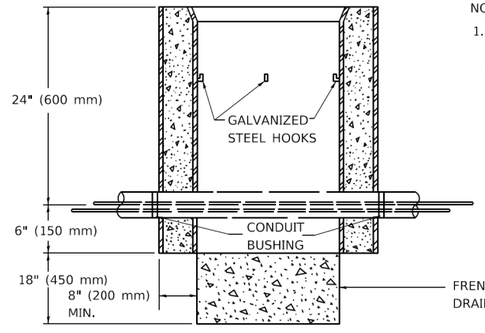
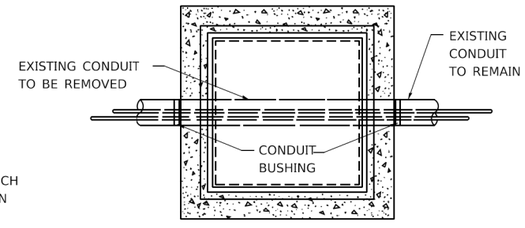
	TS-02	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



ELEVATION **PLAN**

DETAIL

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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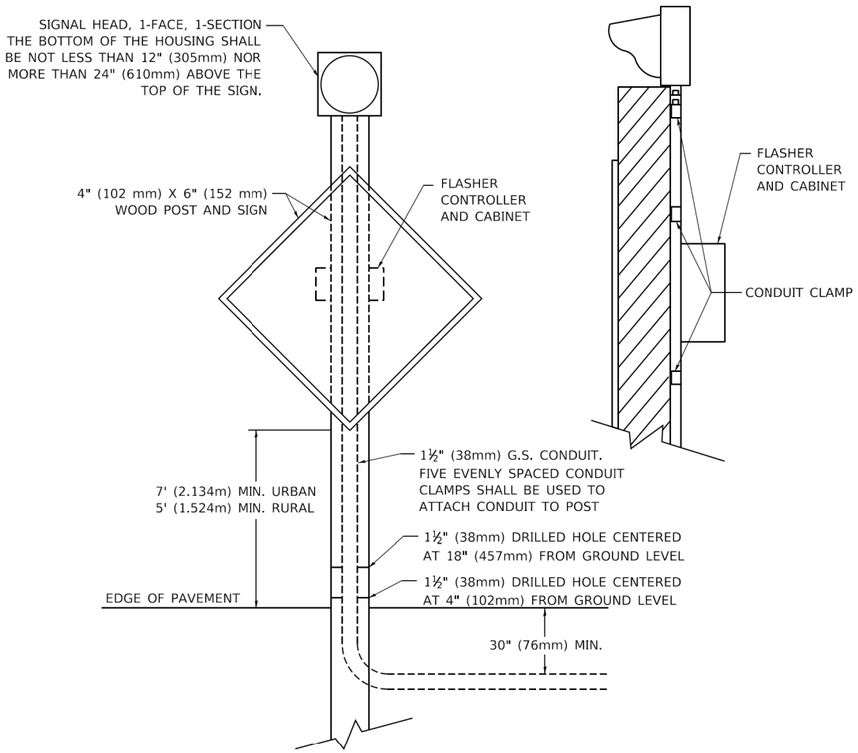
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HANDHOLE TO INTERCEPT EXISTING CONDUIT

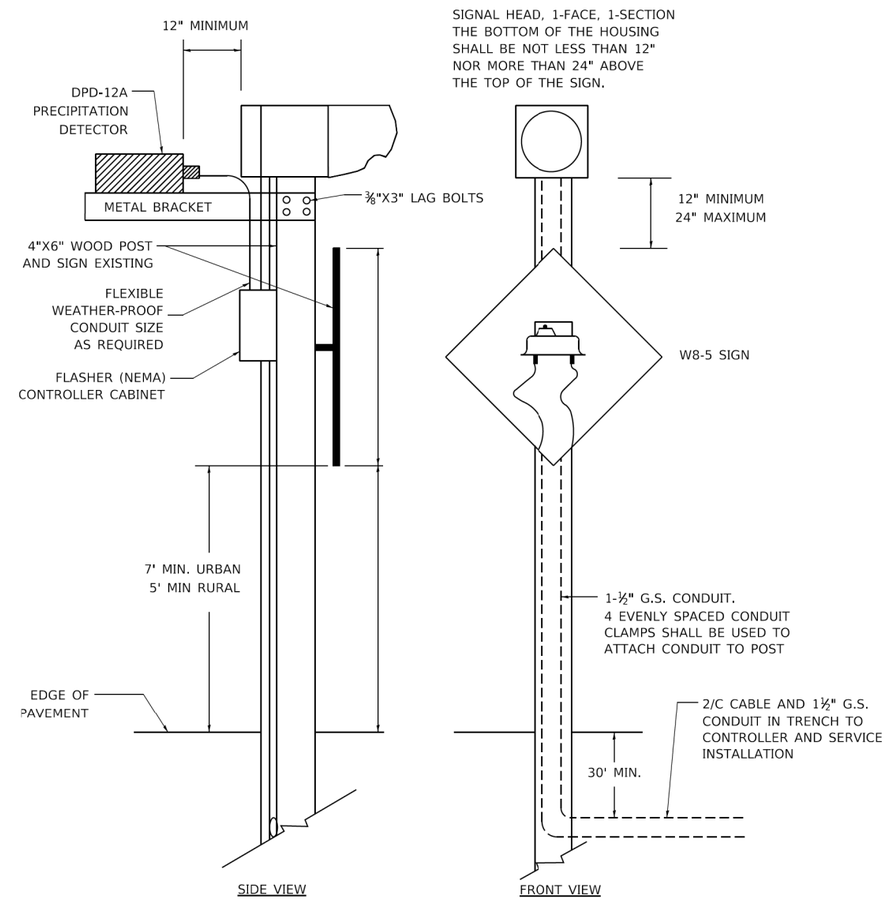
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	675
	TS-03	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

ts03.dgn 3/4/2019 11:10:49 AM User:footemj



POST MOUNTED FLASHING BEACON WITH CONTROLLER AND CABINET



POST MOUNTED FLASHING BEACON WITH PRECIPITATION DETECTOR

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DISTRICT ONE
FLASHING BEACON INSTALLATION DETAILS

SCALE: | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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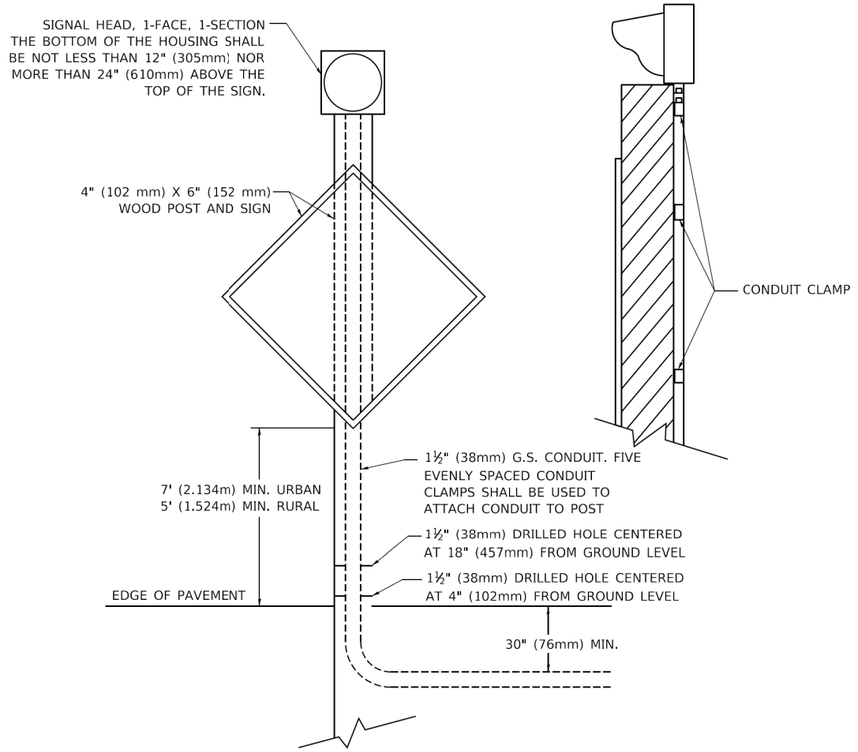
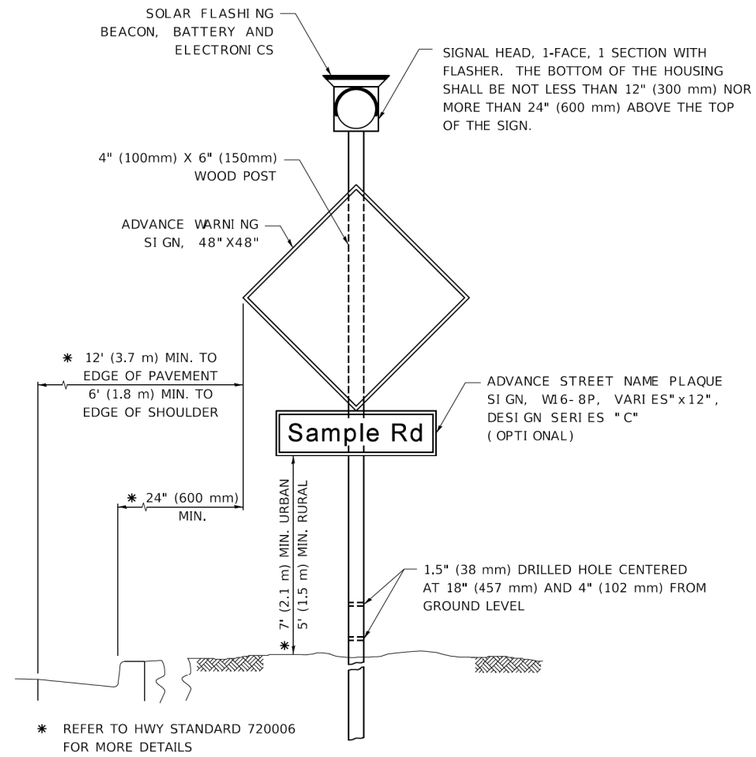
	TS-04	CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		



POST MOUNTED FLASHING BEACON



SOLAR POWERED FLASHING BEACON

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
FLASHING BEACON INSTALLATION DETAILS

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	677
	TS-04	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	678
	TS-05	CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

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LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

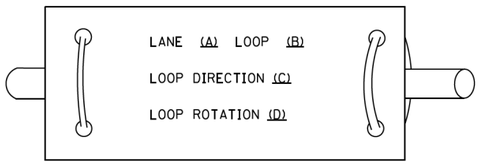
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD–IN CABLE TAG

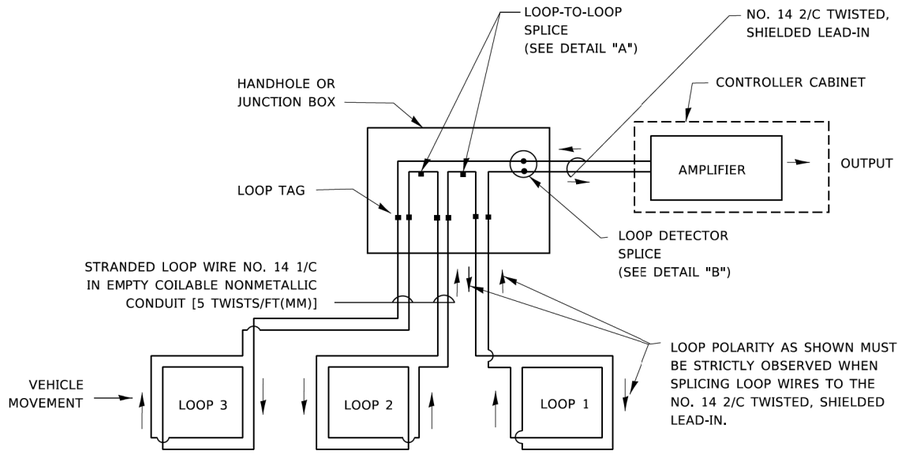


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

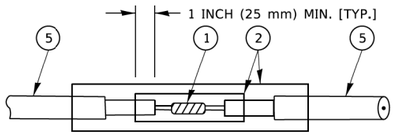
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

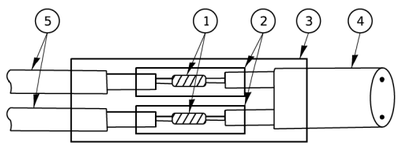


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

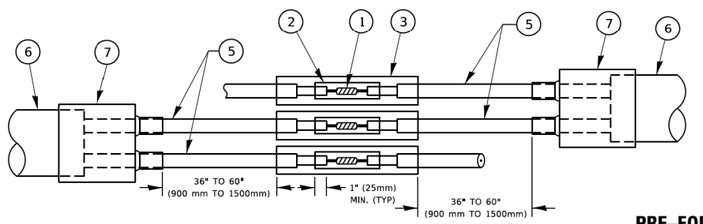


DETAIL "A"
LOOP-TO-LOOP SPLICE



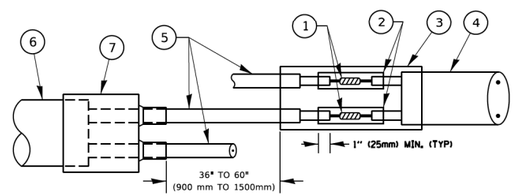
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE–FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

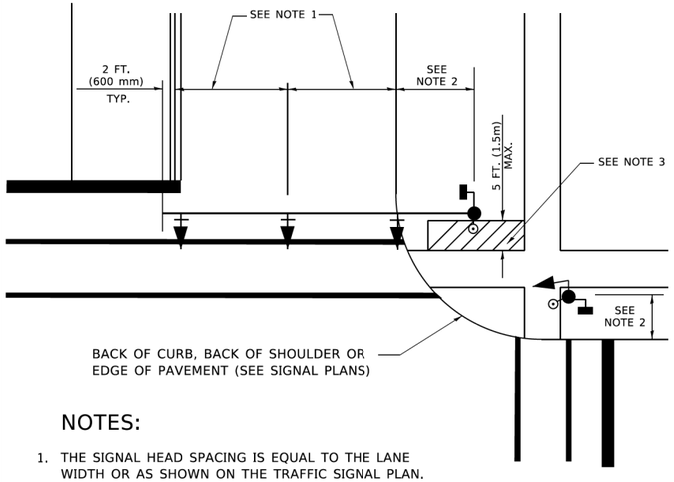
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	679
	TS–05	CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

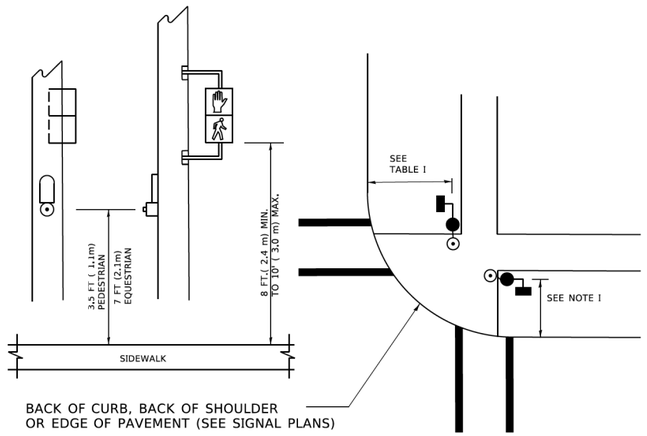
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

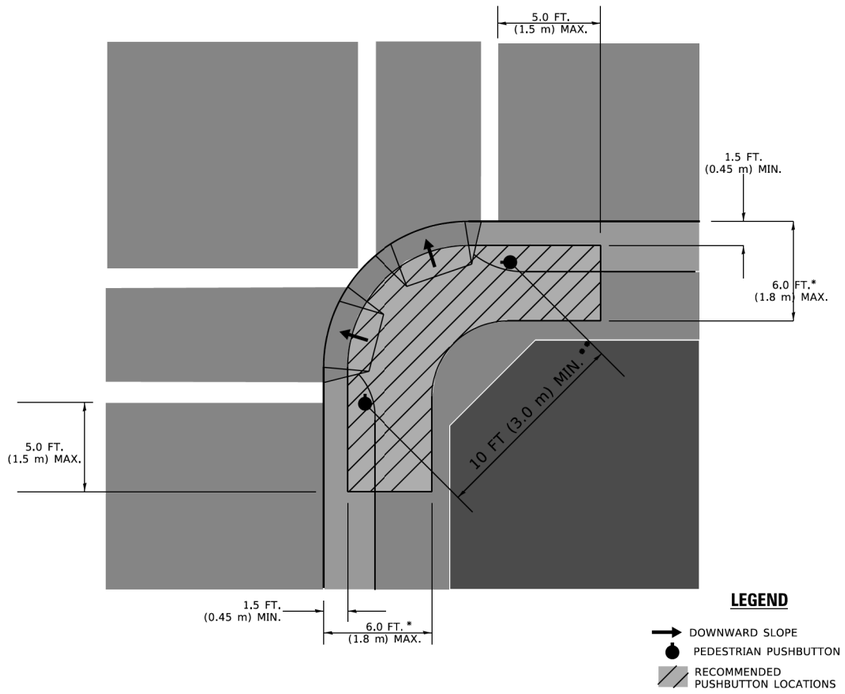
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05	CONTRACT NO. 62K69		
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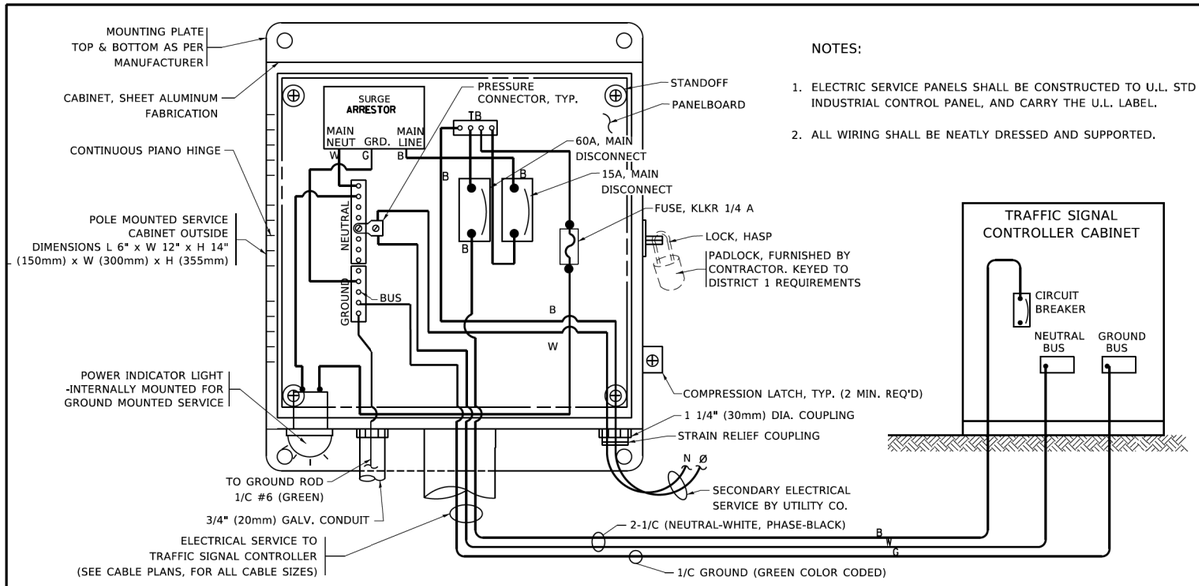


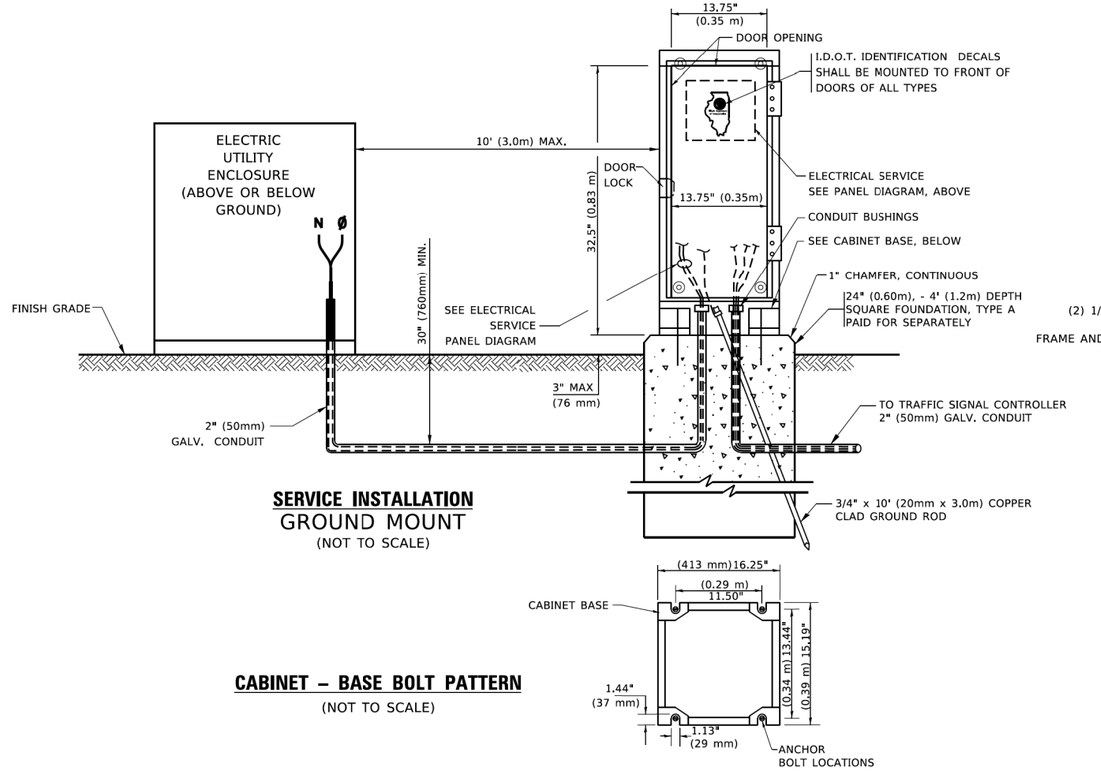
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



SERVICE INSTALLATION
GROUND MOUNT

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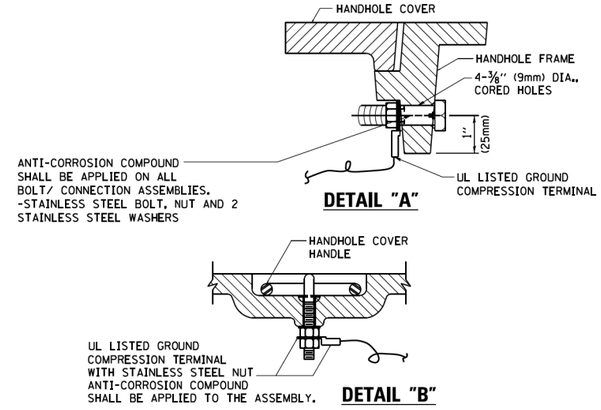
CABINET – BASE BOLT PATTERN

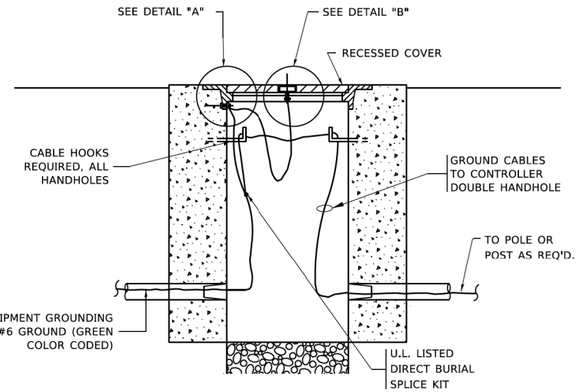
(NOT TO SCALE)



NOTES:

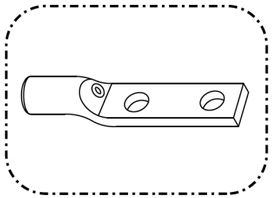
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

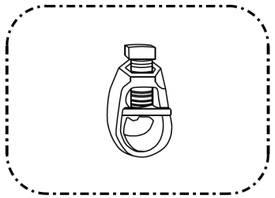


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



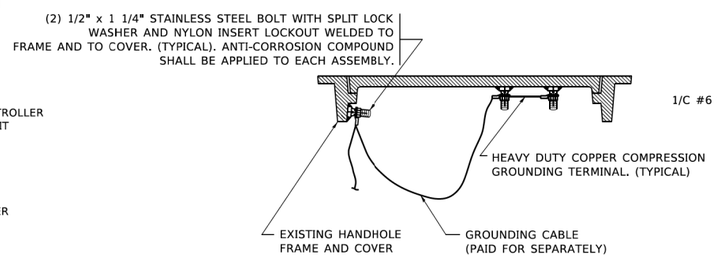
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

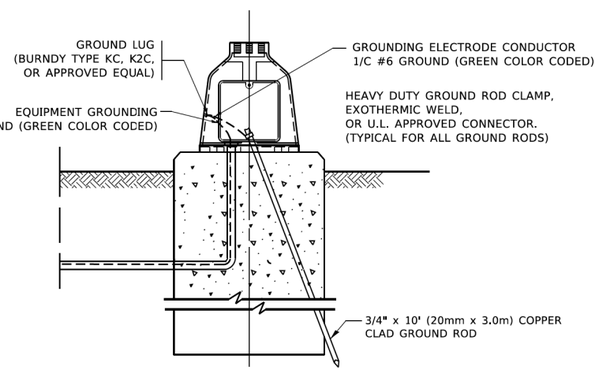
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	681
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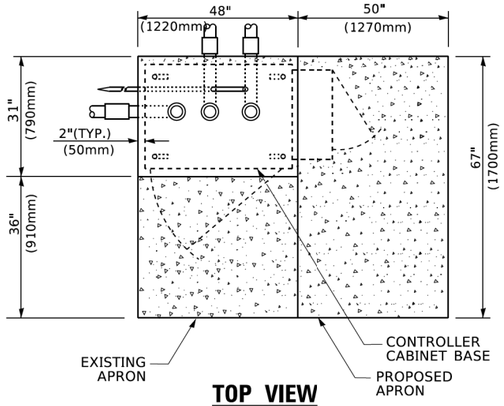
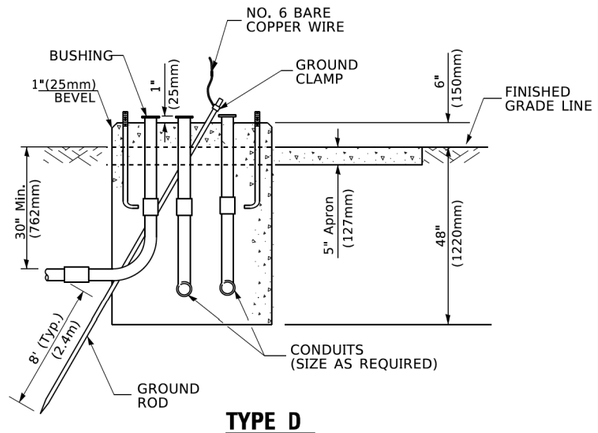
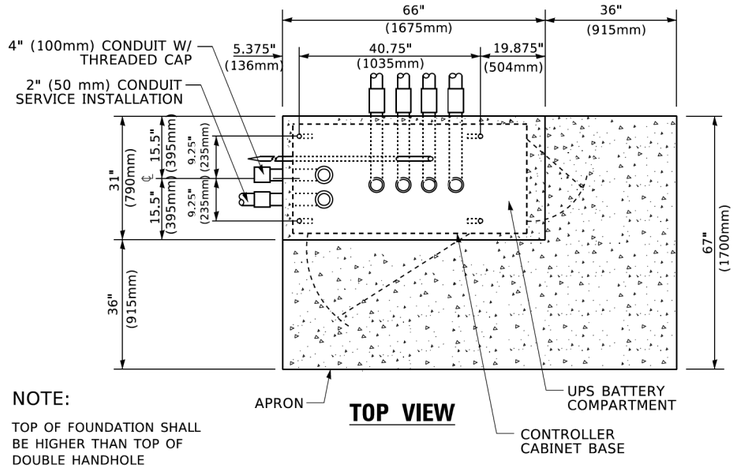


TOP VIEW



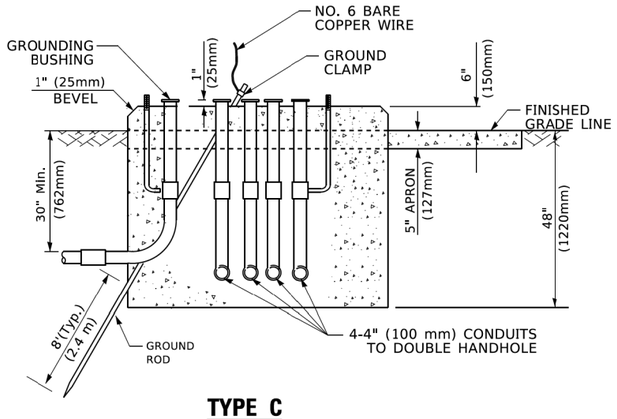
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



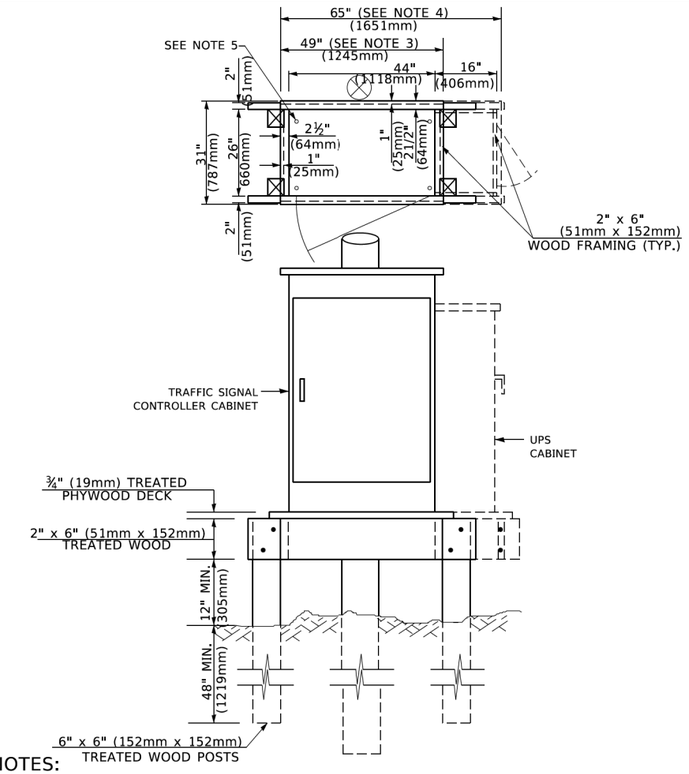
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	682
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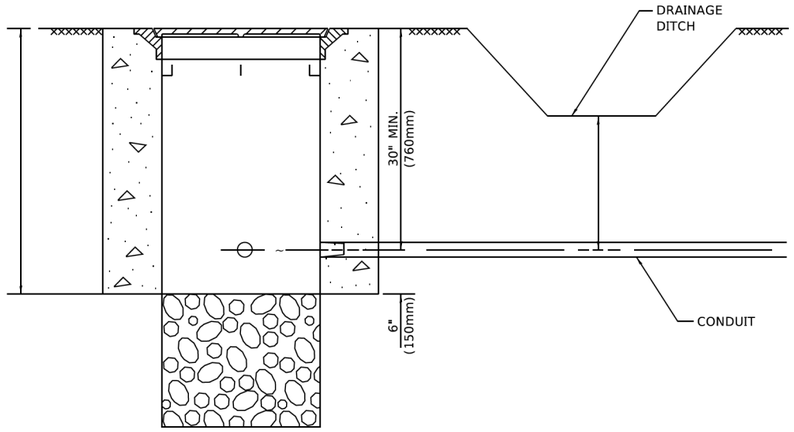
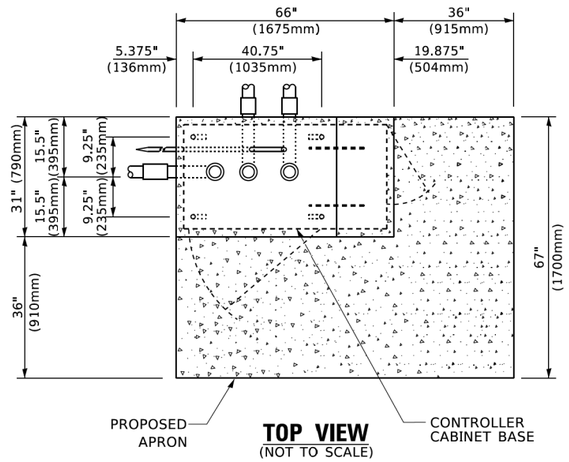


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



TOP VIEW

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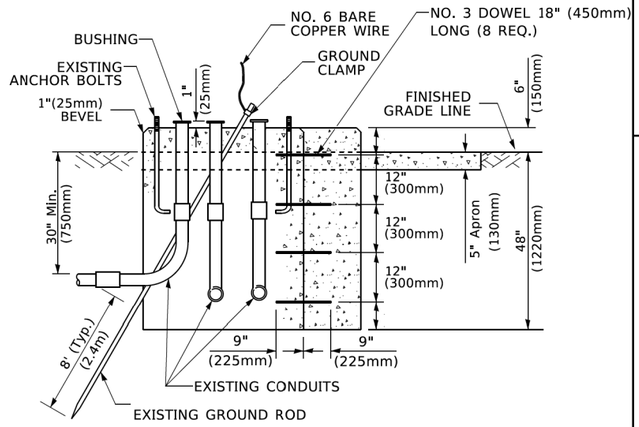

MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

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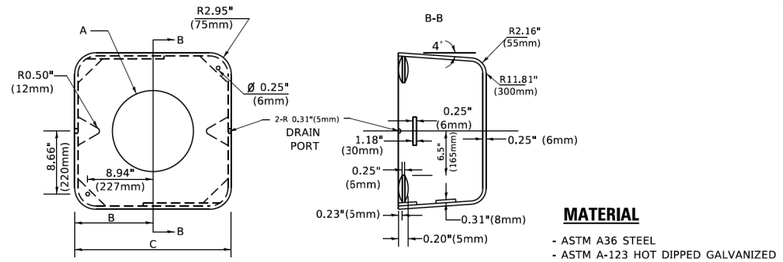


MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

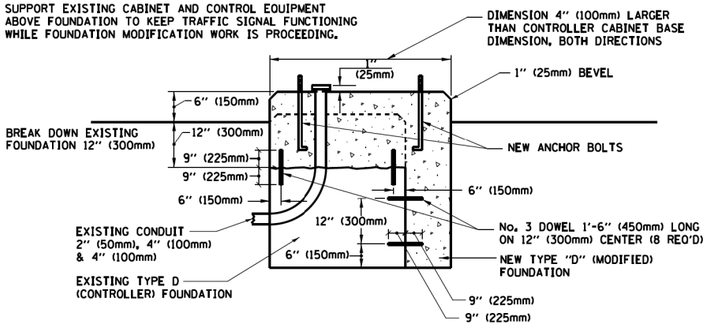
SHROUD

NOTES:

1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

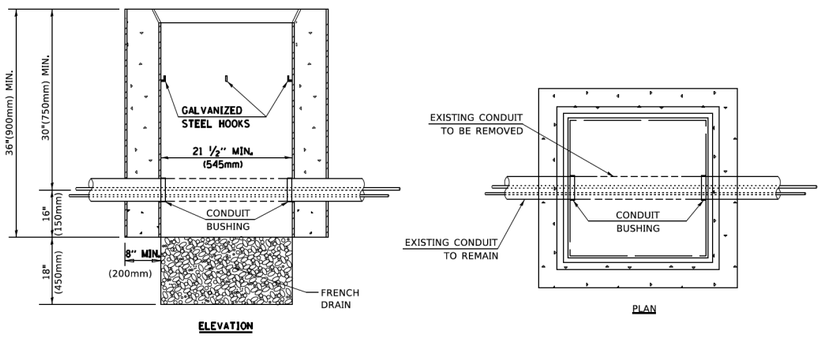
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	683
	TS-05	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

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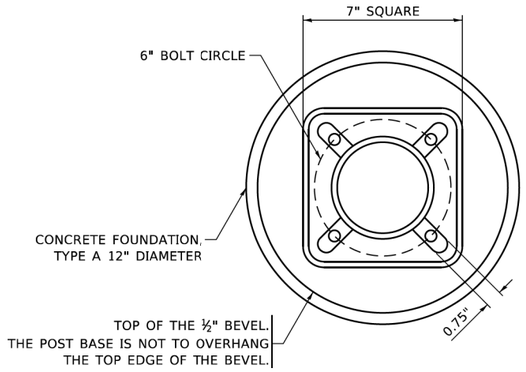
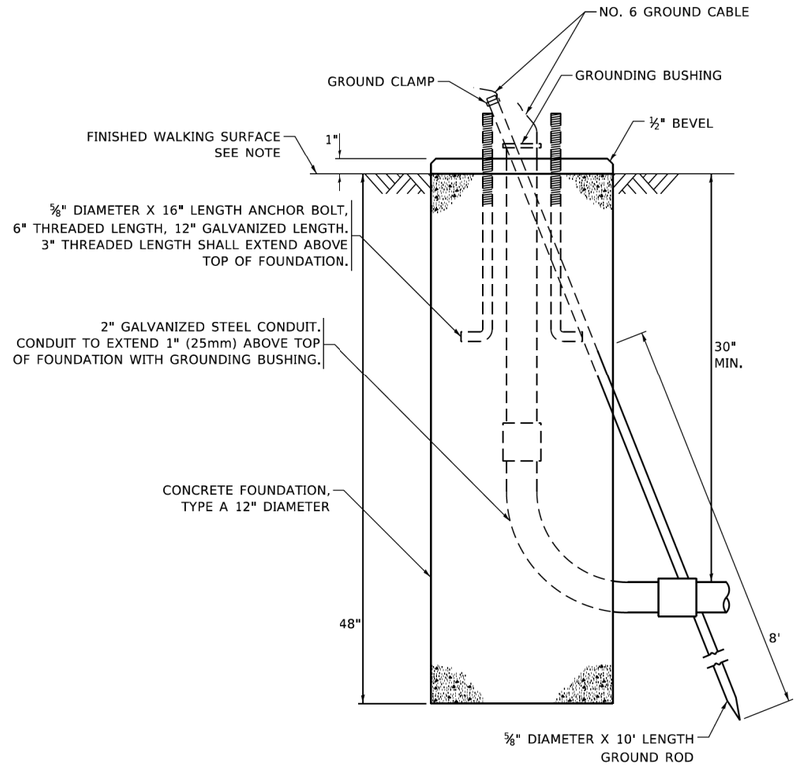


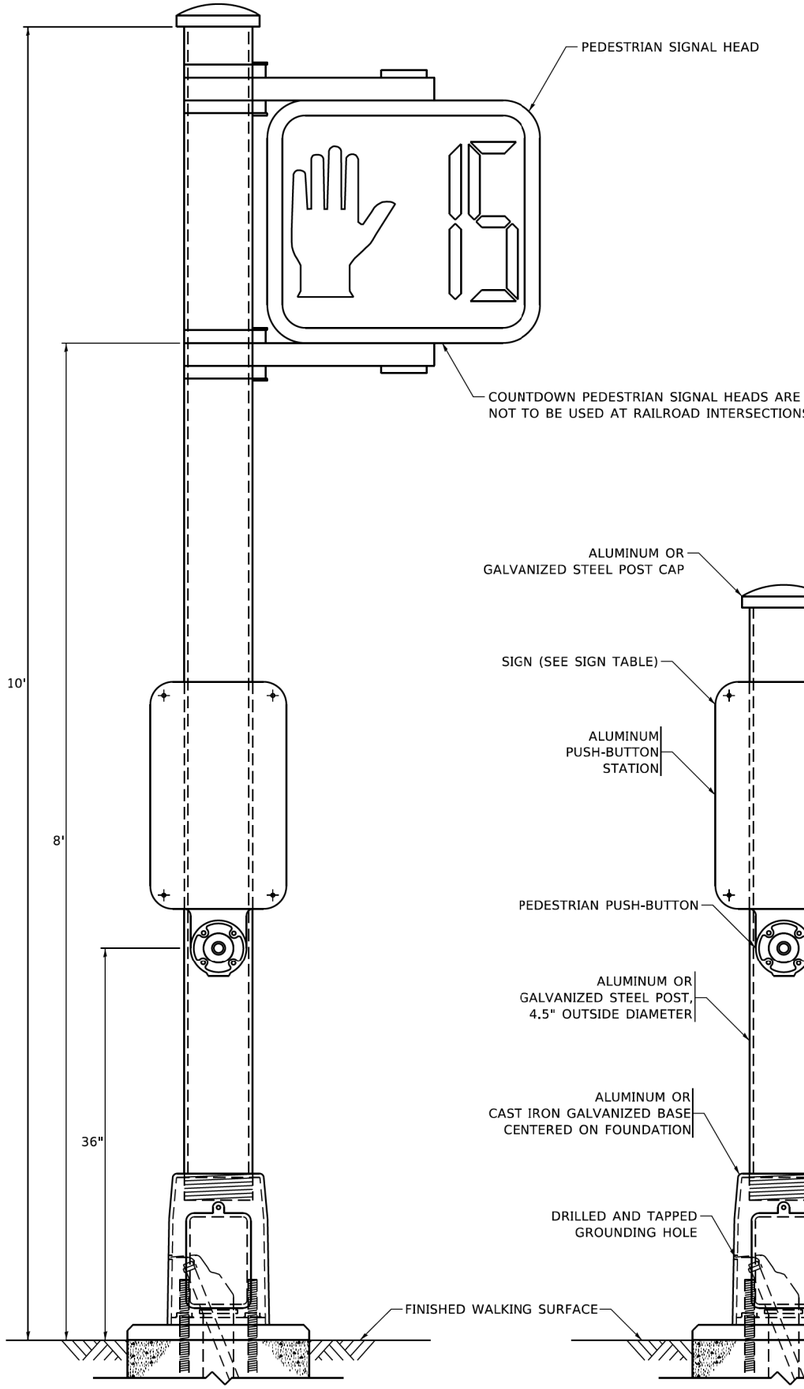
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

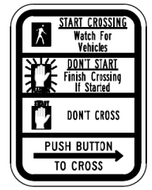


CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.

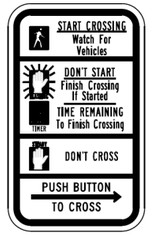
PEDESTRIAN SIGNAL POST, 5 FT.



R10–3b



R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

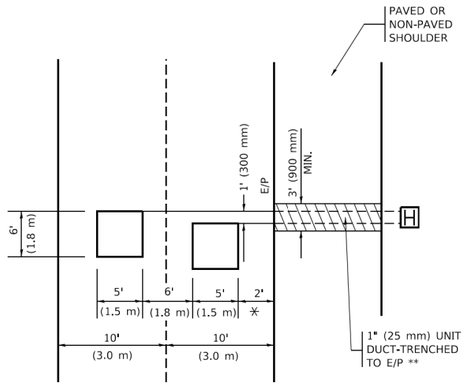
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	684
	TS–05	CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



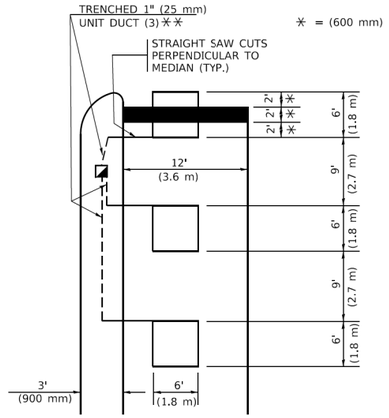
⁎ = (600 mm)

⁎⁎ UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



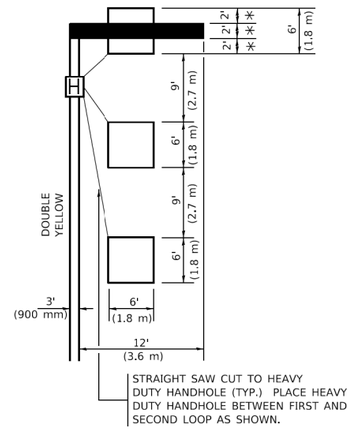
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY (''FAR OUT'' DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

⁎ = (600 mm)



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

⁎ ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.

⁎ EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.

⁎ EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.

⁎ ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)

⁎ EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.

⁎ WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).

⁎ WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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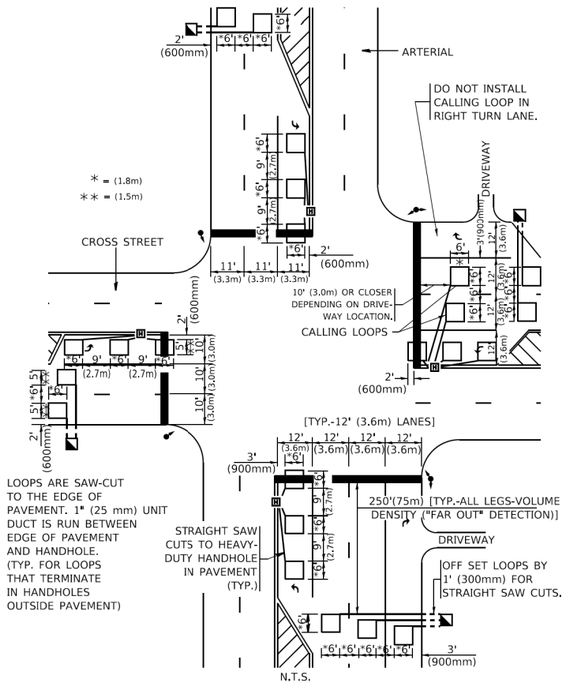
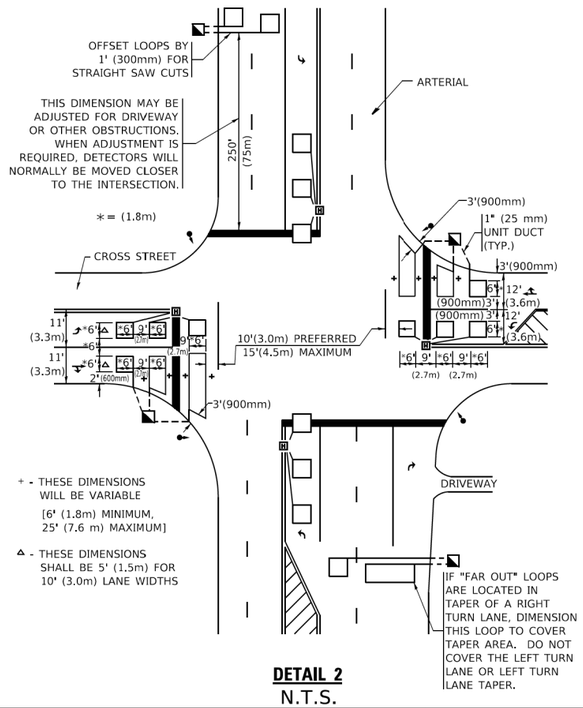
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	685
	TS-07	CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

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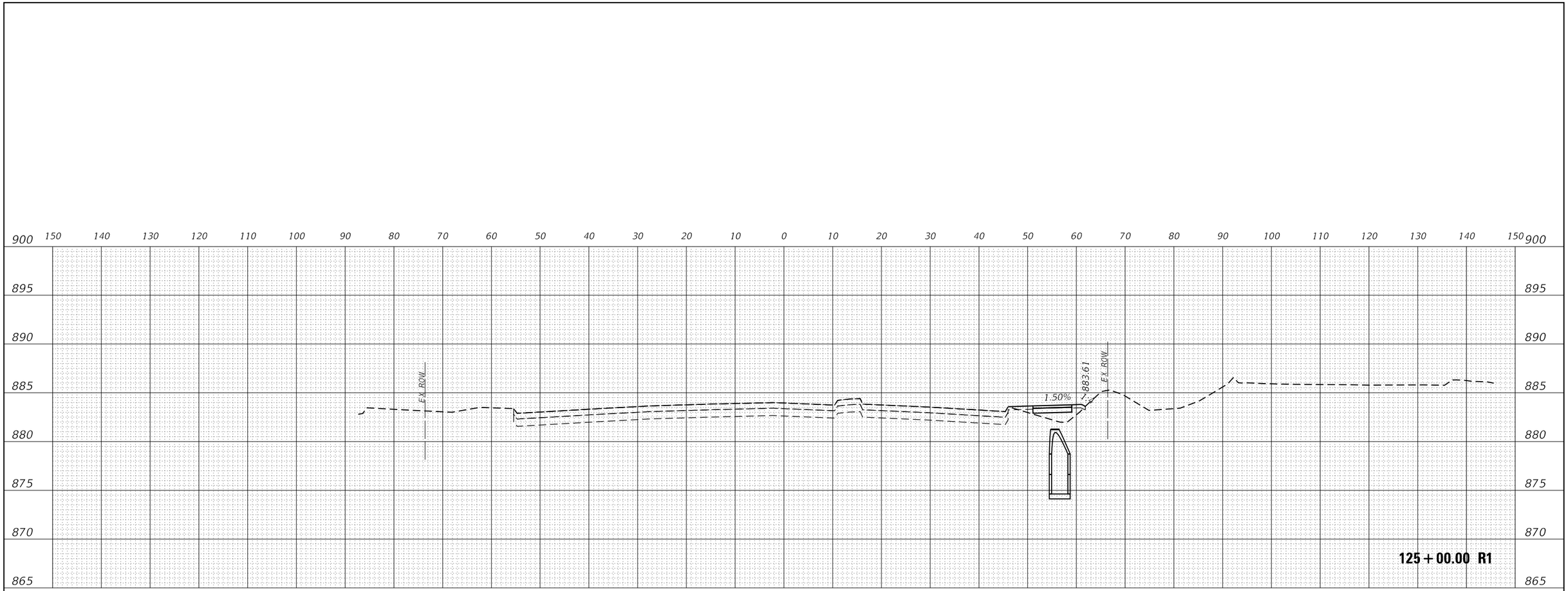

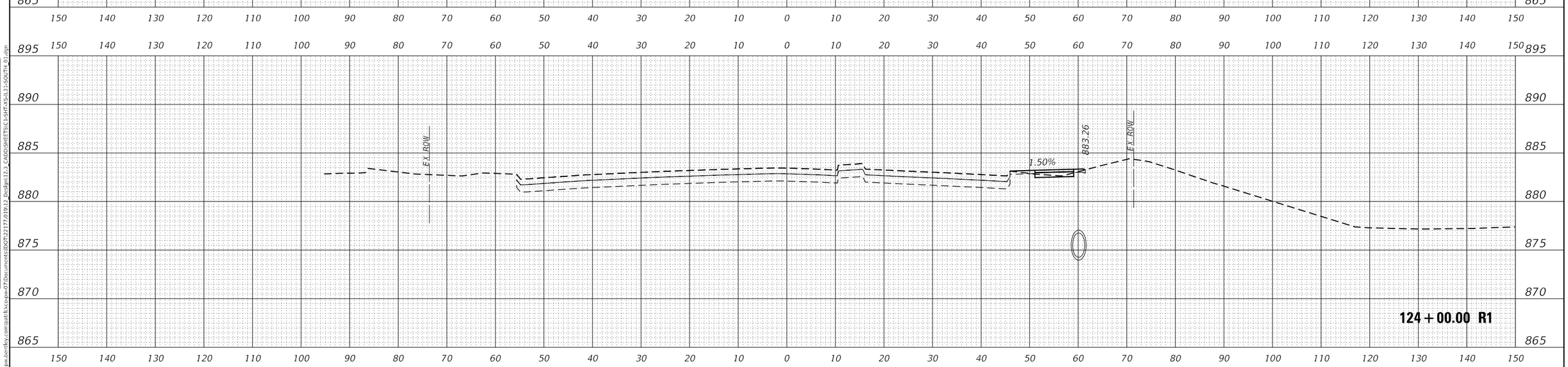

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PATRICK a RJR company

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 124+00.00 R1 TO STA. 125+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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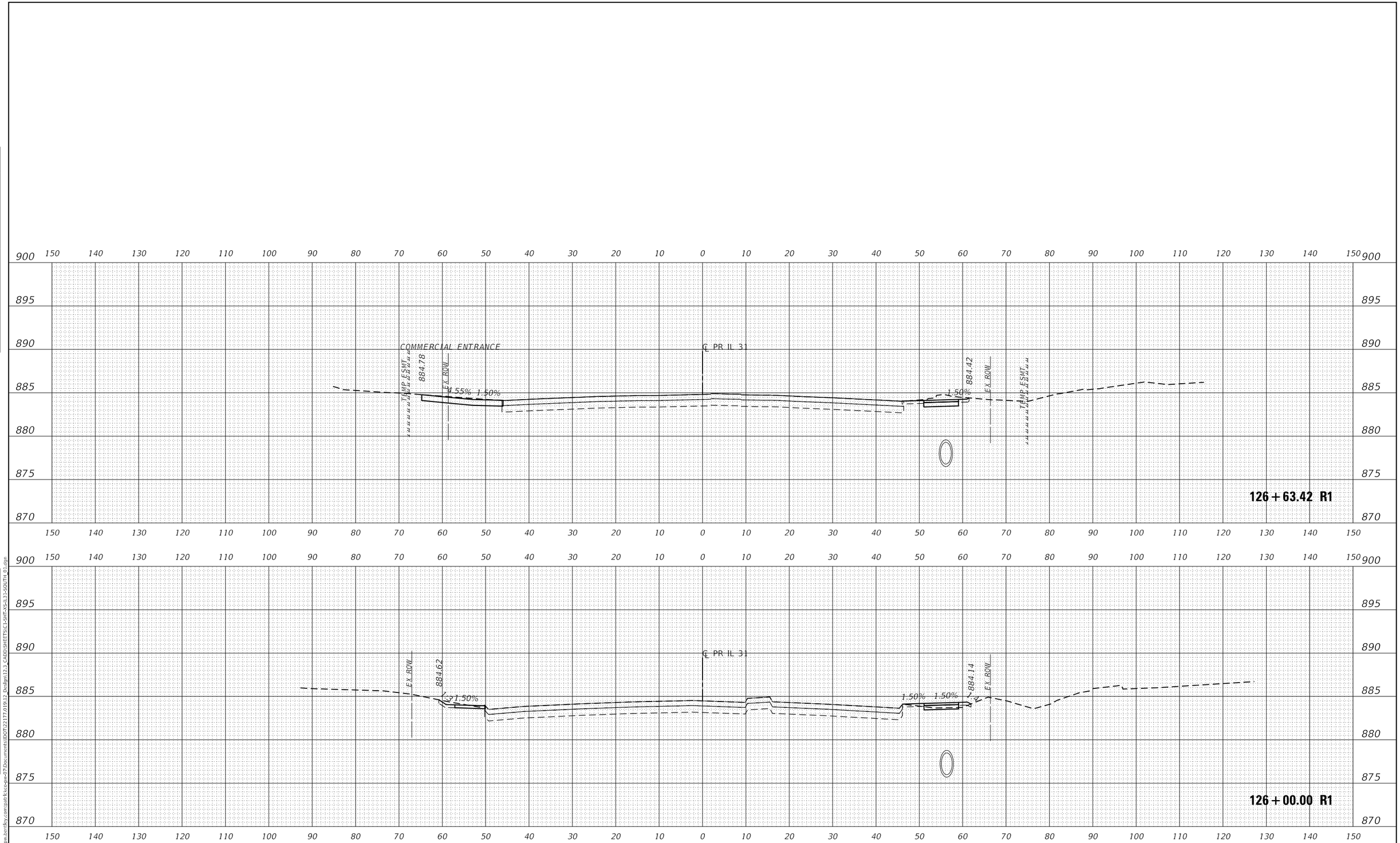
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

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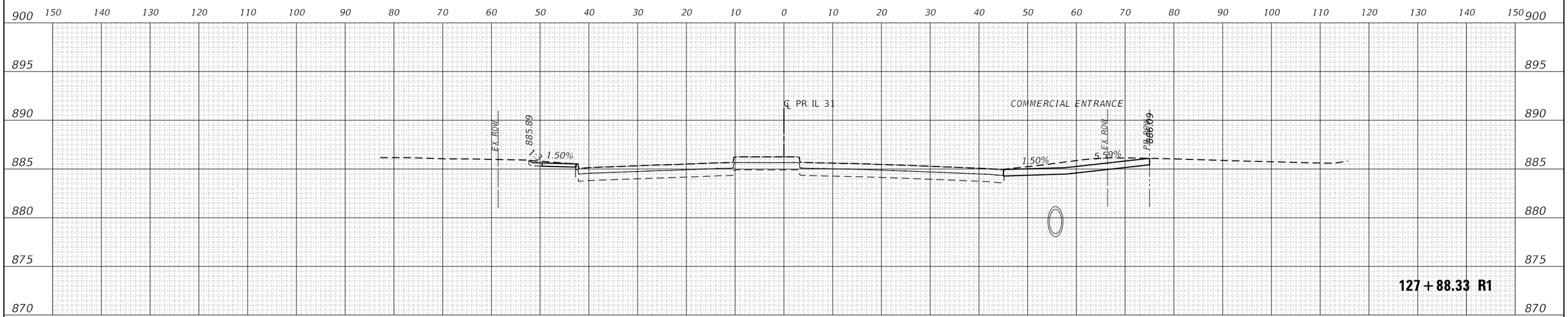

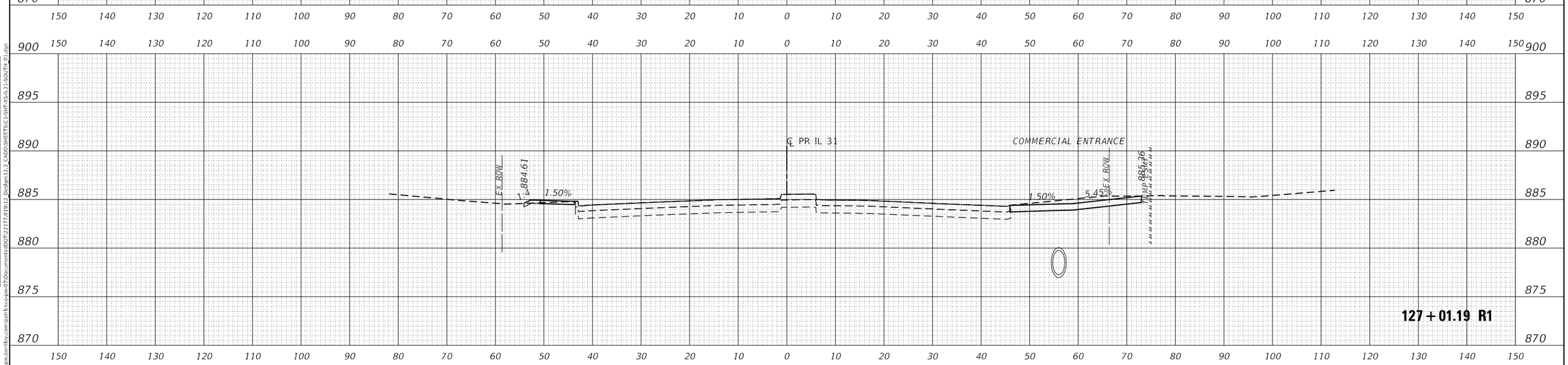

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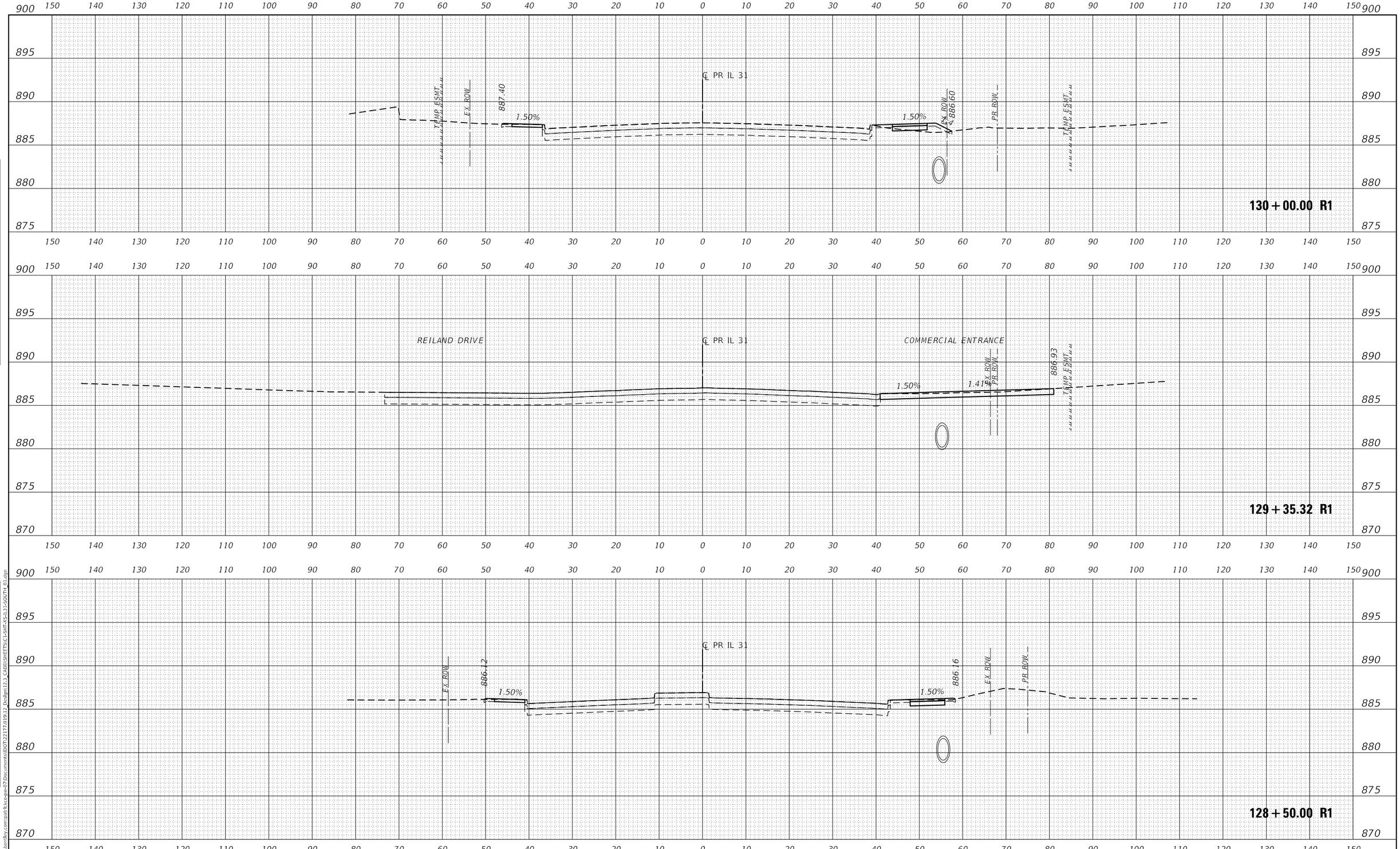

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 128+50.00 R1 TO STA. 130+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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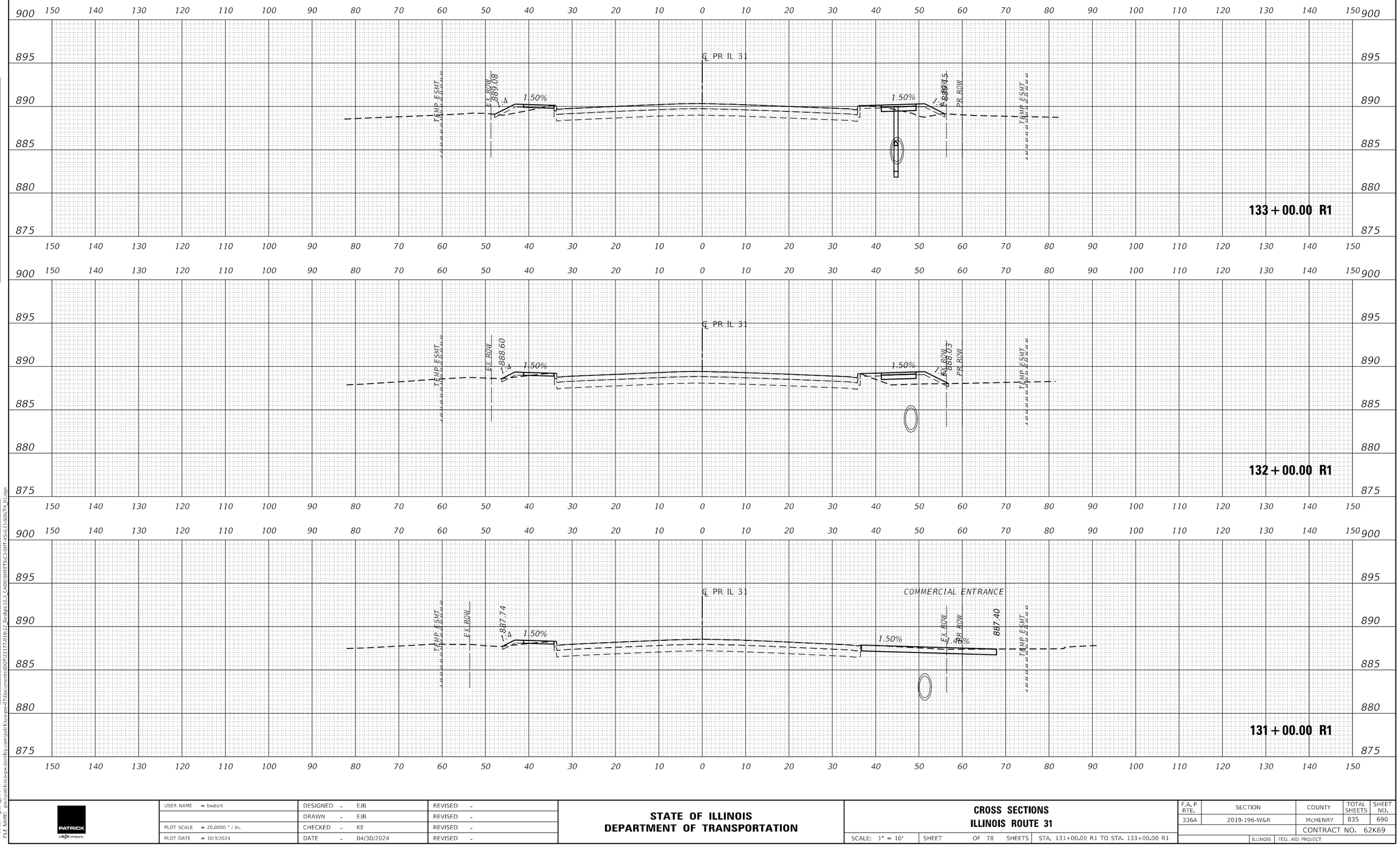
CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 131+00.00 R1 TO STA. 133+00.00 R1

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	ILLINOIS	FED. AID PROJECT		

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BY | DATE

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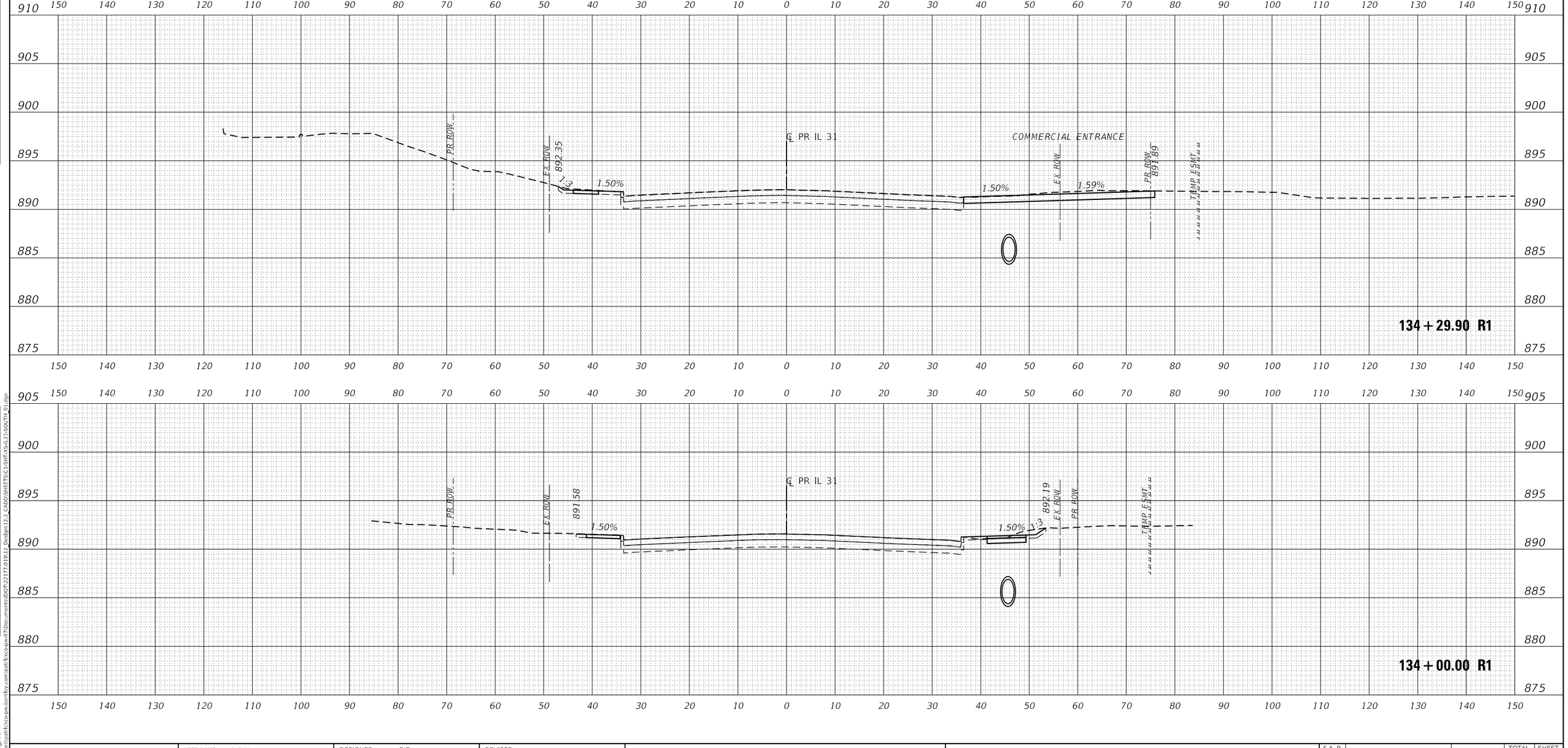

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 134+00.00 R1 TO STA. 134+29.90 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

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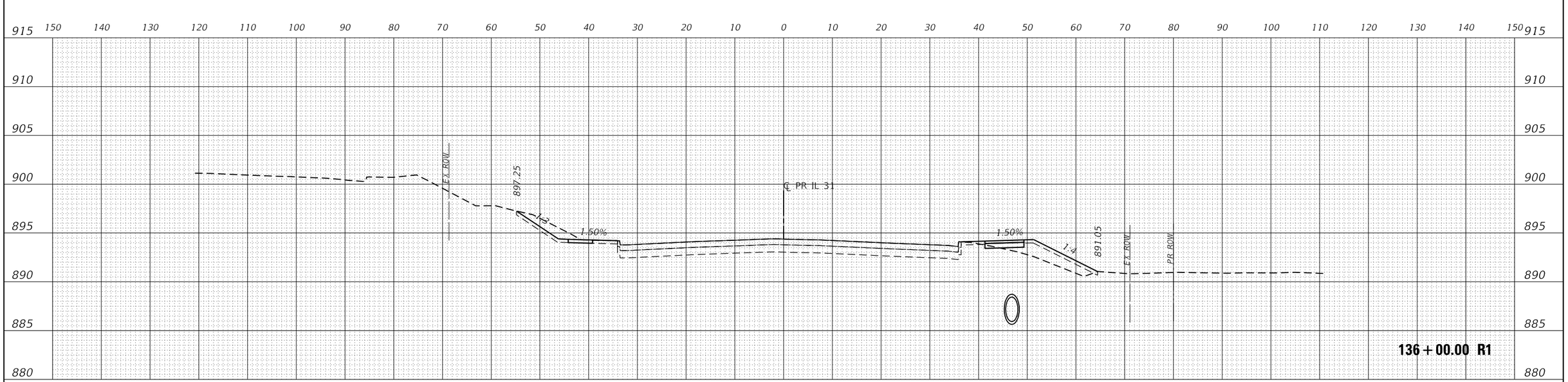

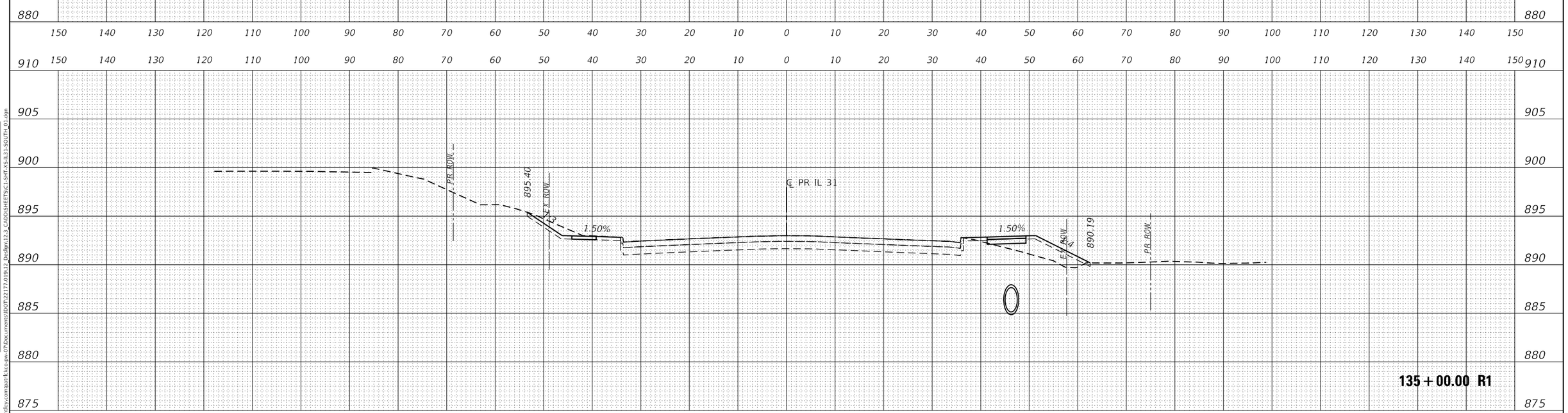

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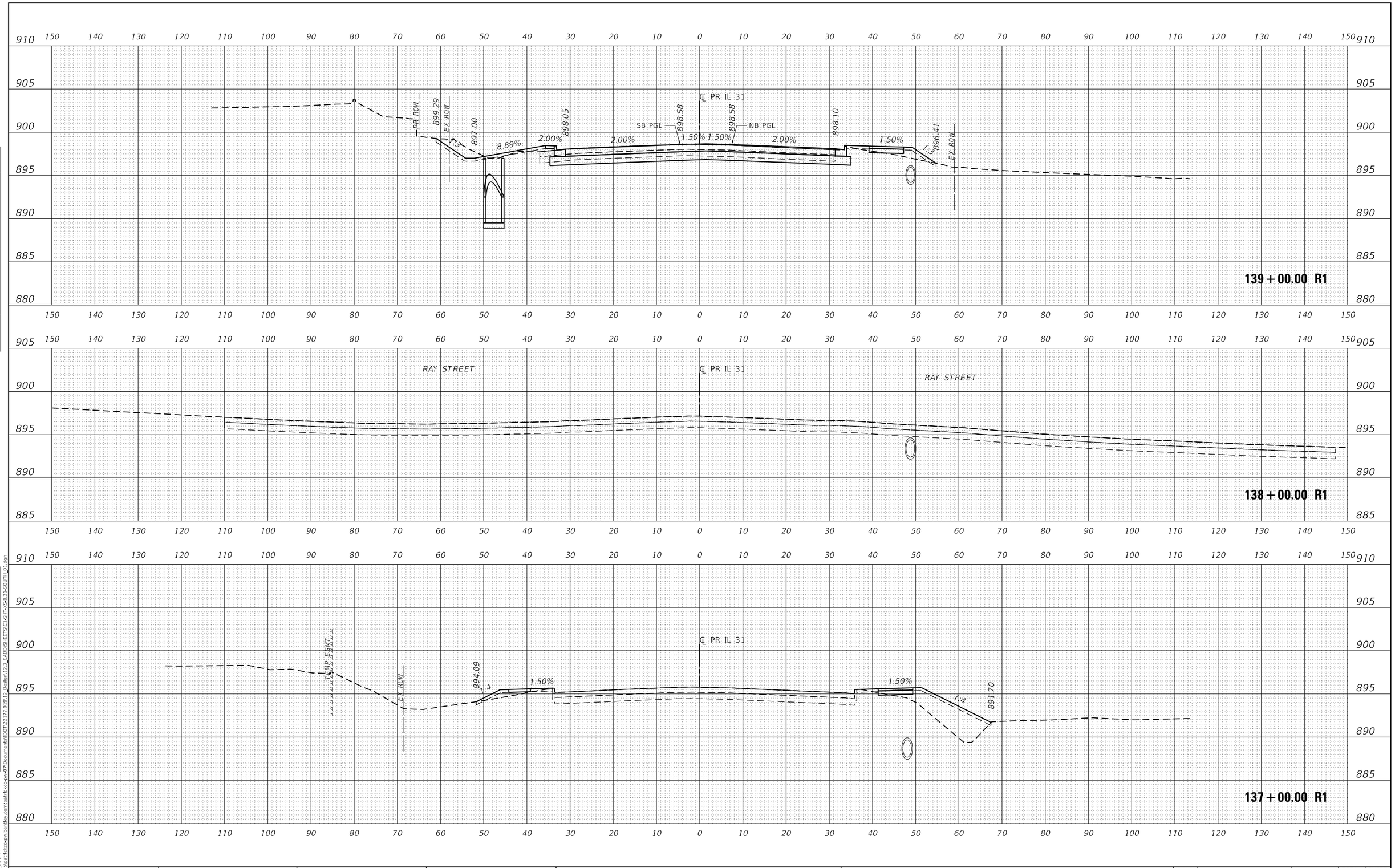
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 135+00.00 R1 TO STA. 136+00.00 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	692
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-dgn-07\Documents\IDOT\22177\019\12 Design\12.3 CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_01.dgn



USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	**CROSS SECTIONS**
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	**ILLINOIS ROUTE 31**

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 137+00.00 R1 TO STA. 139+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	693
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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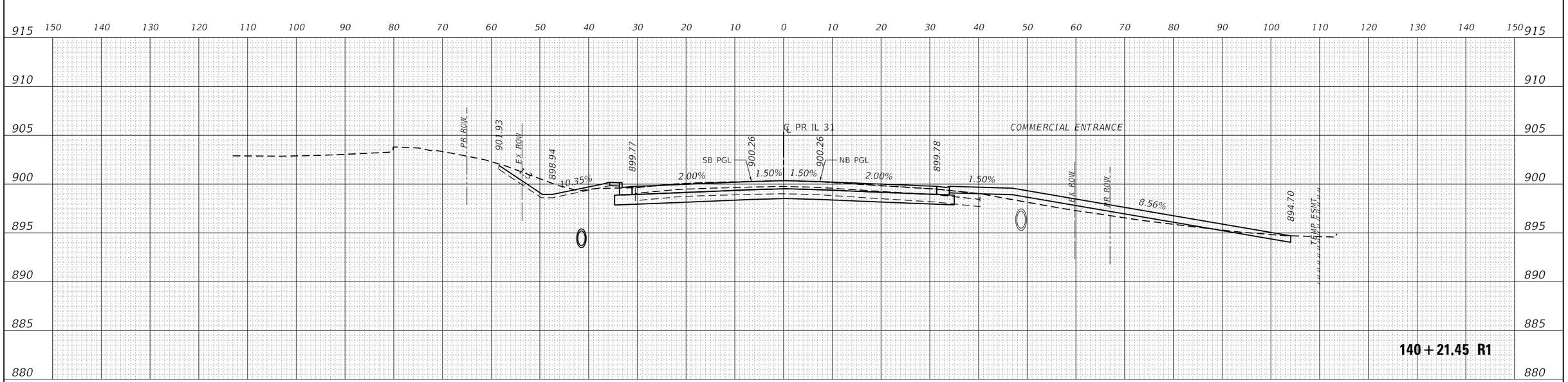

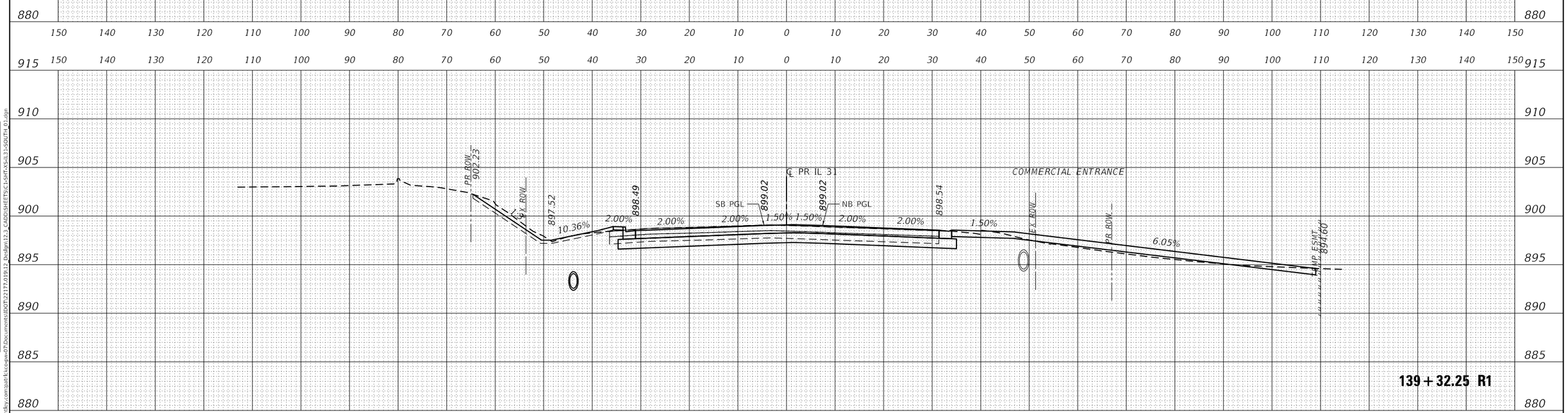

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 139+32.25 R1 TO STA. 140+21.45 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	694
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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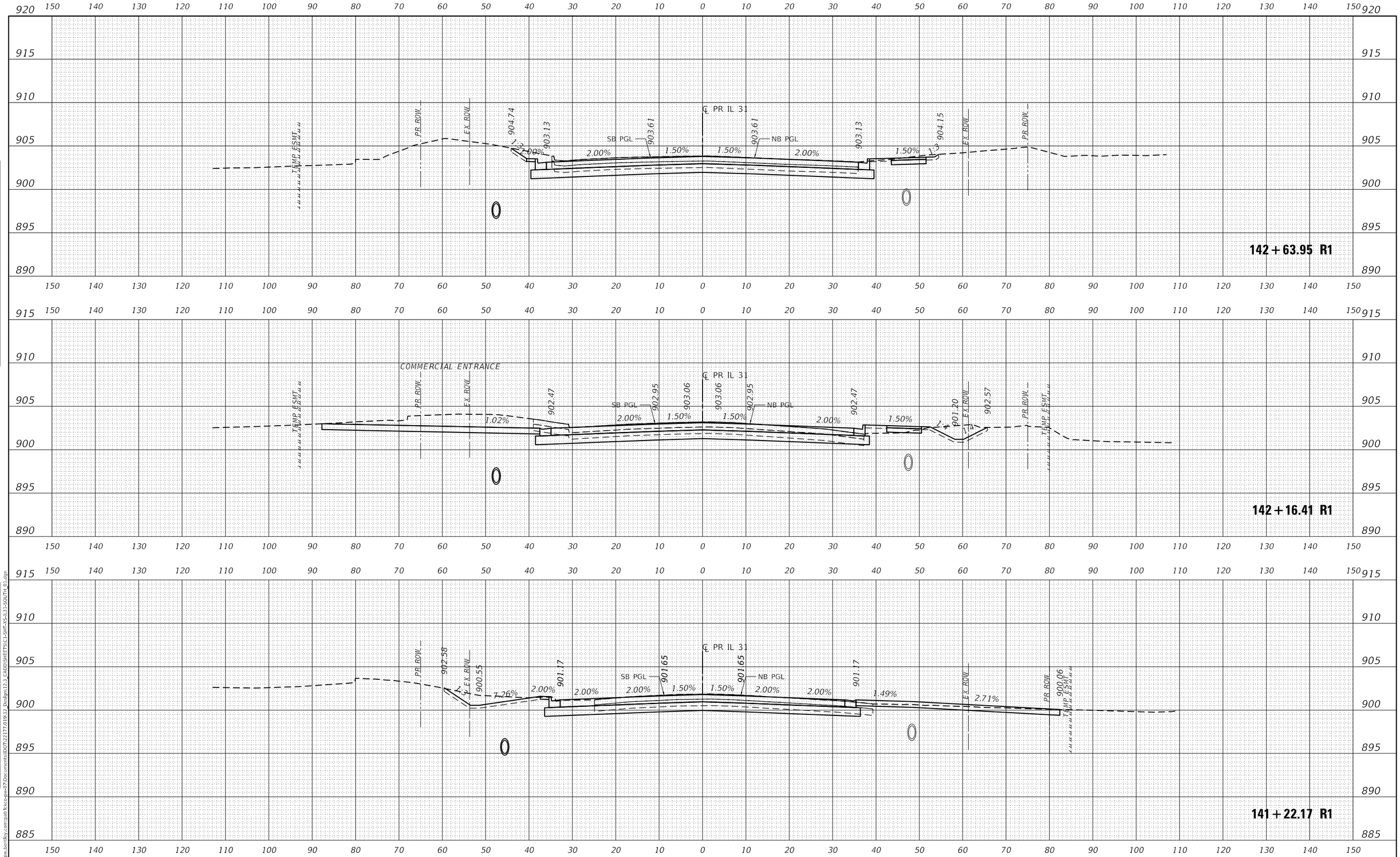

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 141+22.17 R1 TO STA. 142+63.95 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	695
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PATRICK a RIVER company

MODEL: P_IL31_SOUTH
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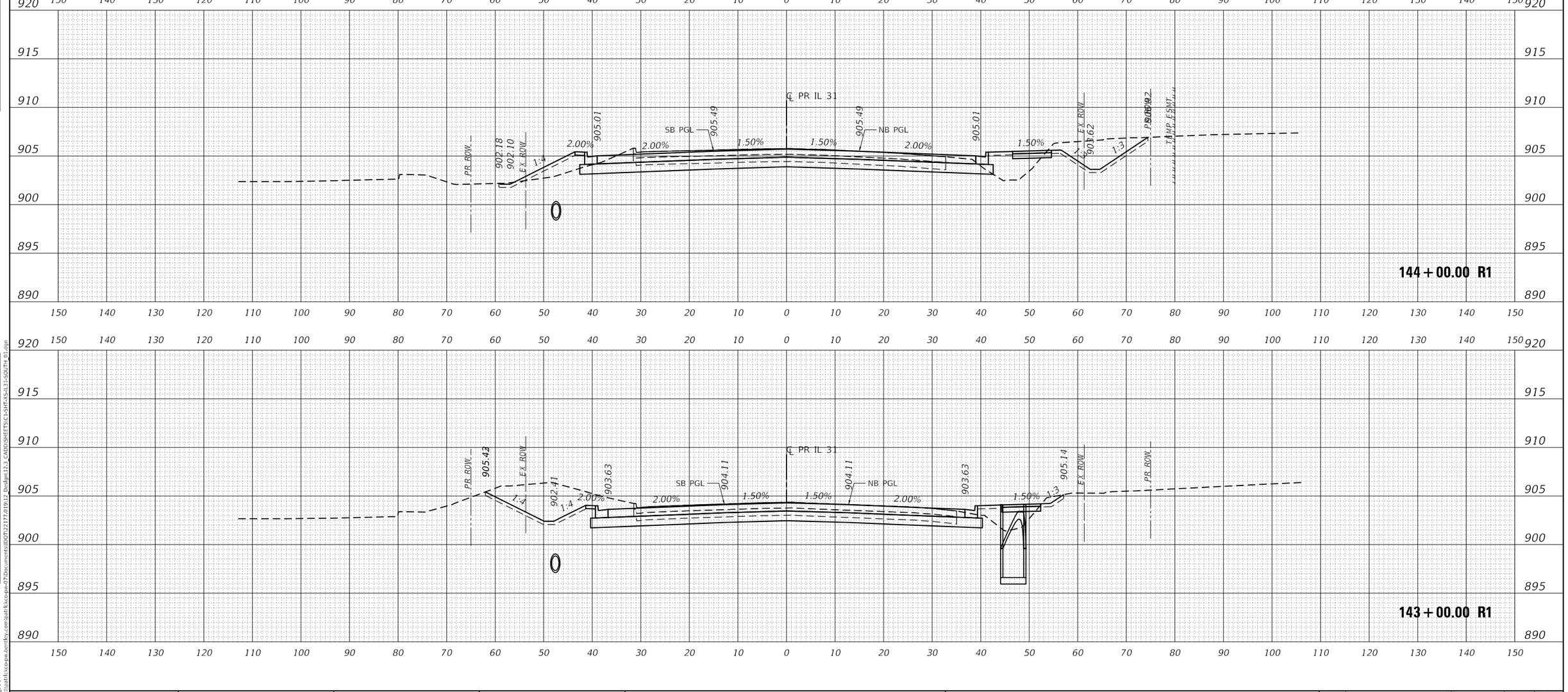


USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	**CROSS SECTIONS**
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	**ILLINOIS ROUTE 31**

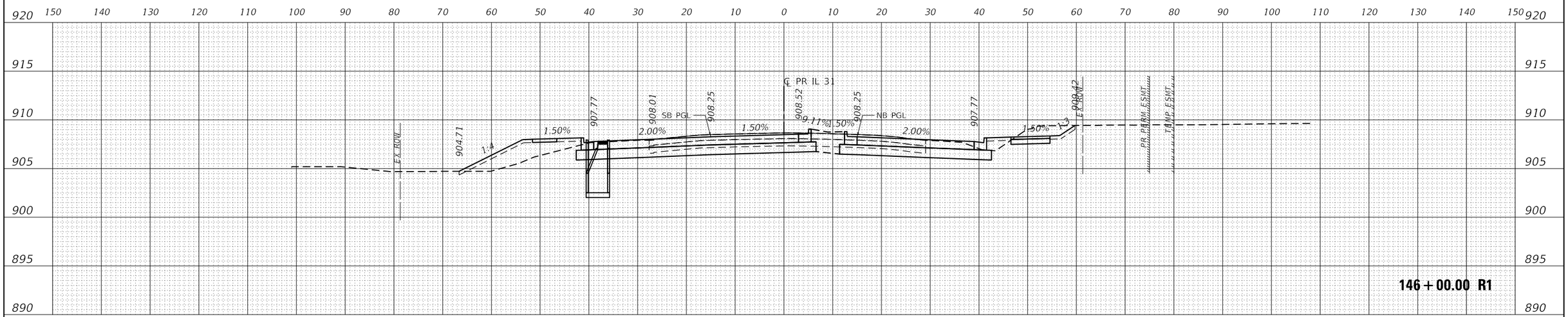
SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 143+00.00 R1 TO STA. 144+00.00 R1

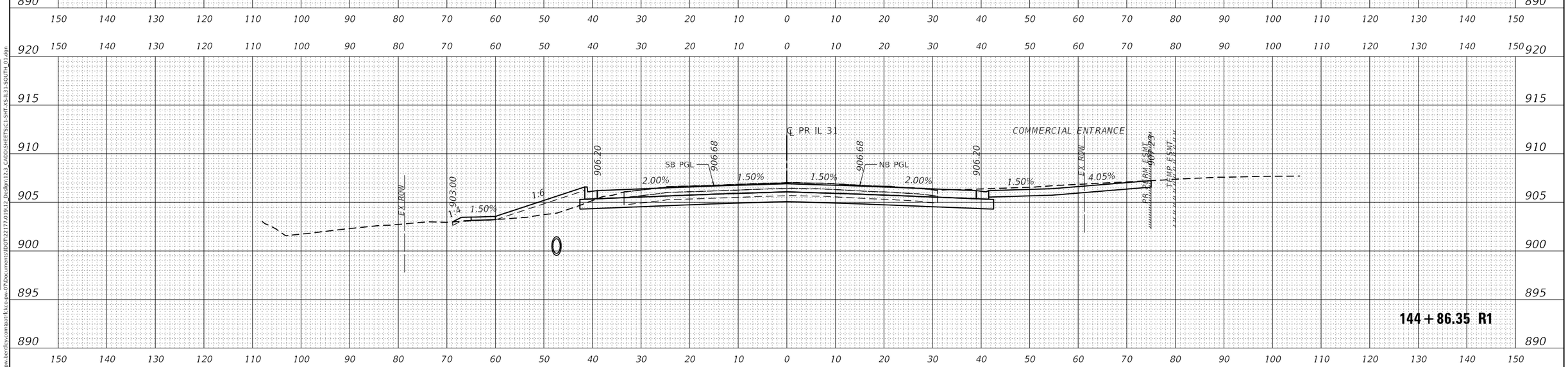
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	696
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-dgn-07\Documents\IDOT\22177-D1912 Design\12.3 CADD\SHEETS\C1-SHT-XS-IL31-SOUTH 01.dgn





USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 144+86.35 R1 TO STA. 146+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	697
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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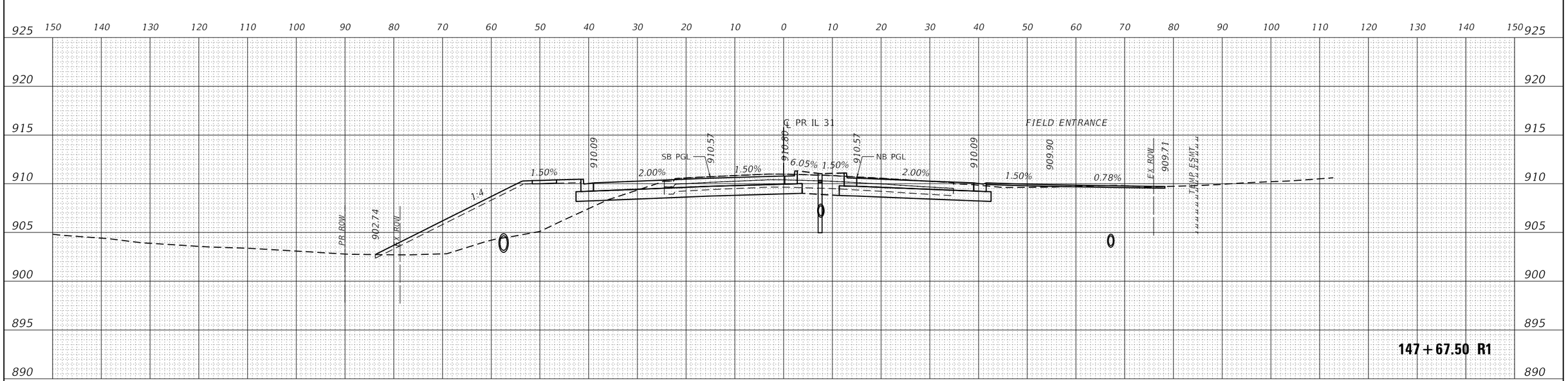
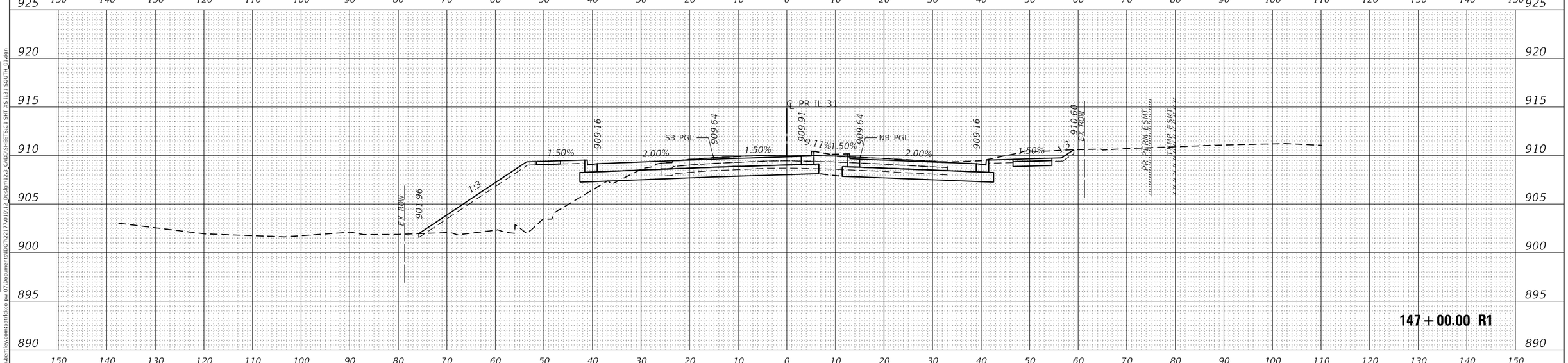




USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RSR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

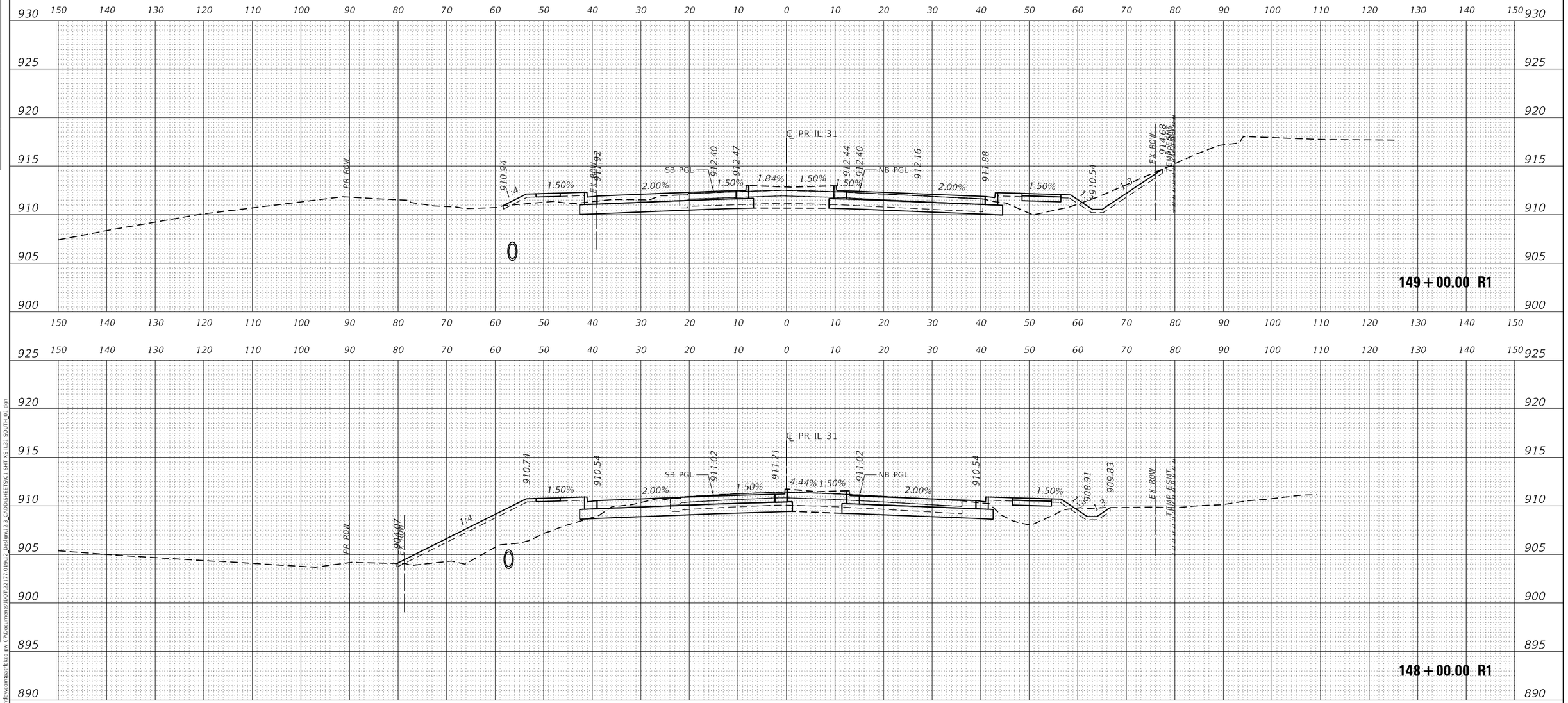
SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 147+00.00 R1 TO STA. 147+67.50 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	698
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

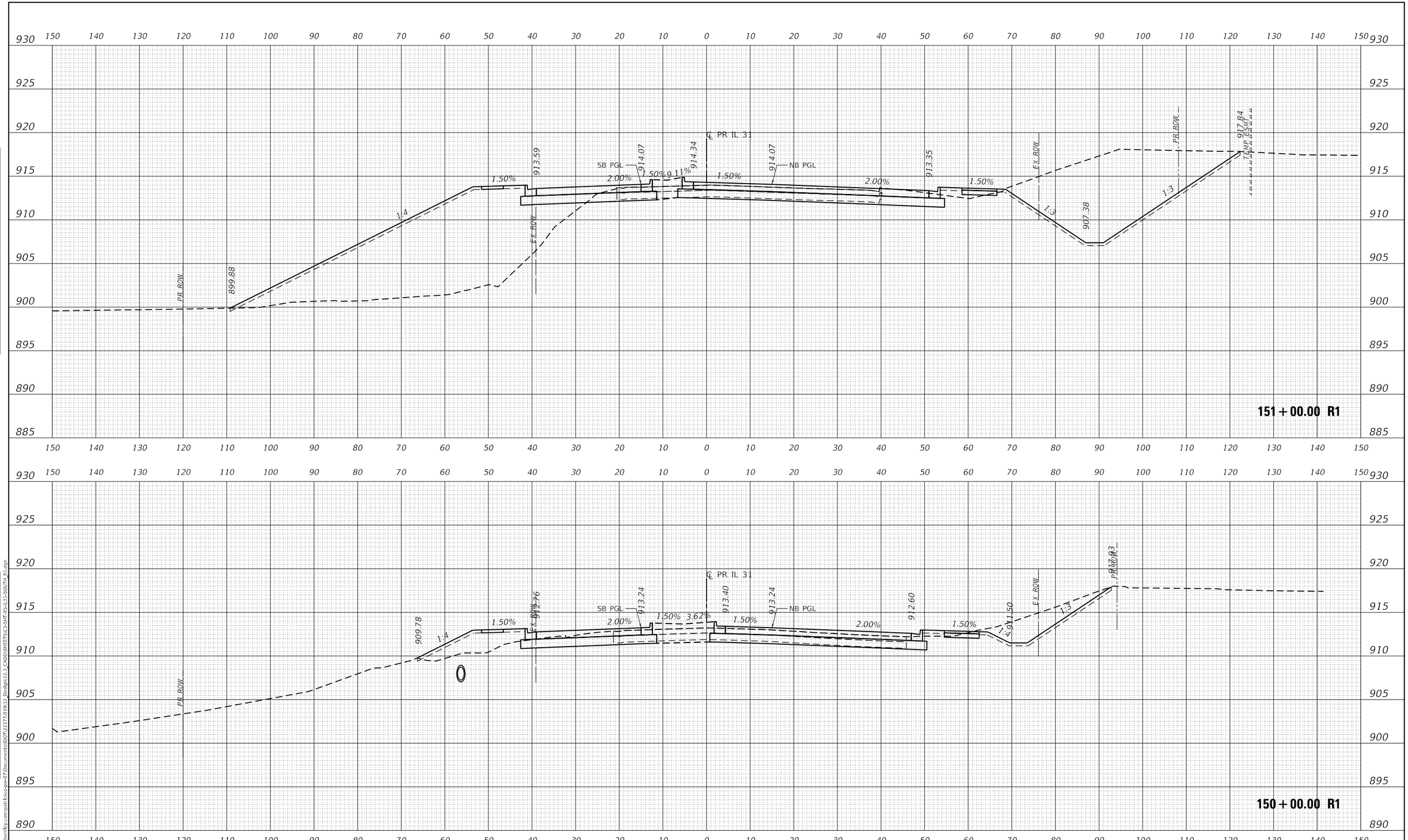
MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177\019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_01.dgn



USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 148+00.00 R1 TO STA. 149+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	699
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_01.dgn



USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	F.A.P RTE. 336A; SECTION 2019-196-W&R; COUNTY McHENRY; TOTAL SHEETS 835; SHEET NO. 700
	DRAWN - EJB	REVISED -			CONTRACT NO. 62K69
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 150+00.00 R1 TO STA. 151+00.00 R1	ILLINOIS FED. AID PROJECT

PATRICK a RJR company

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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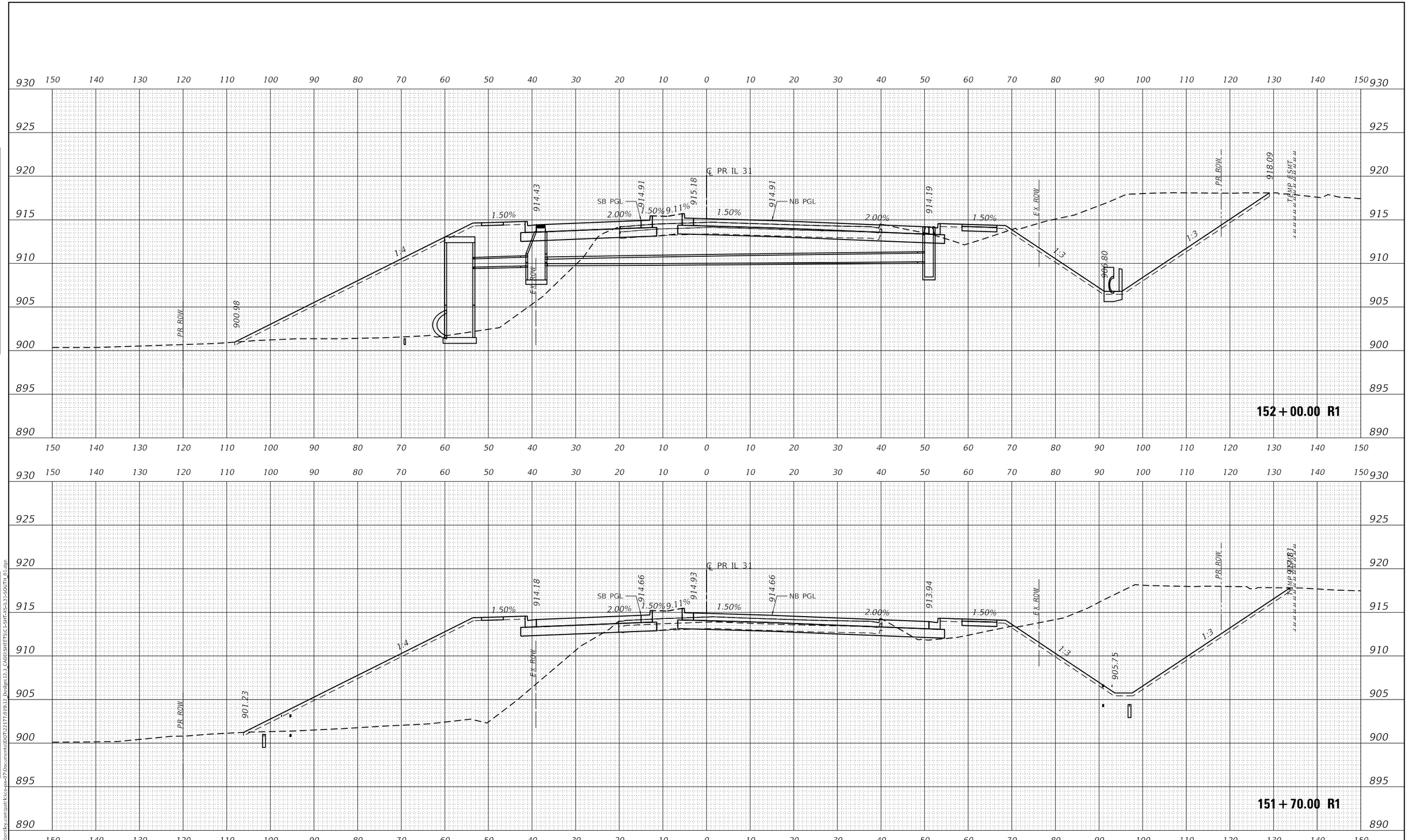


USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

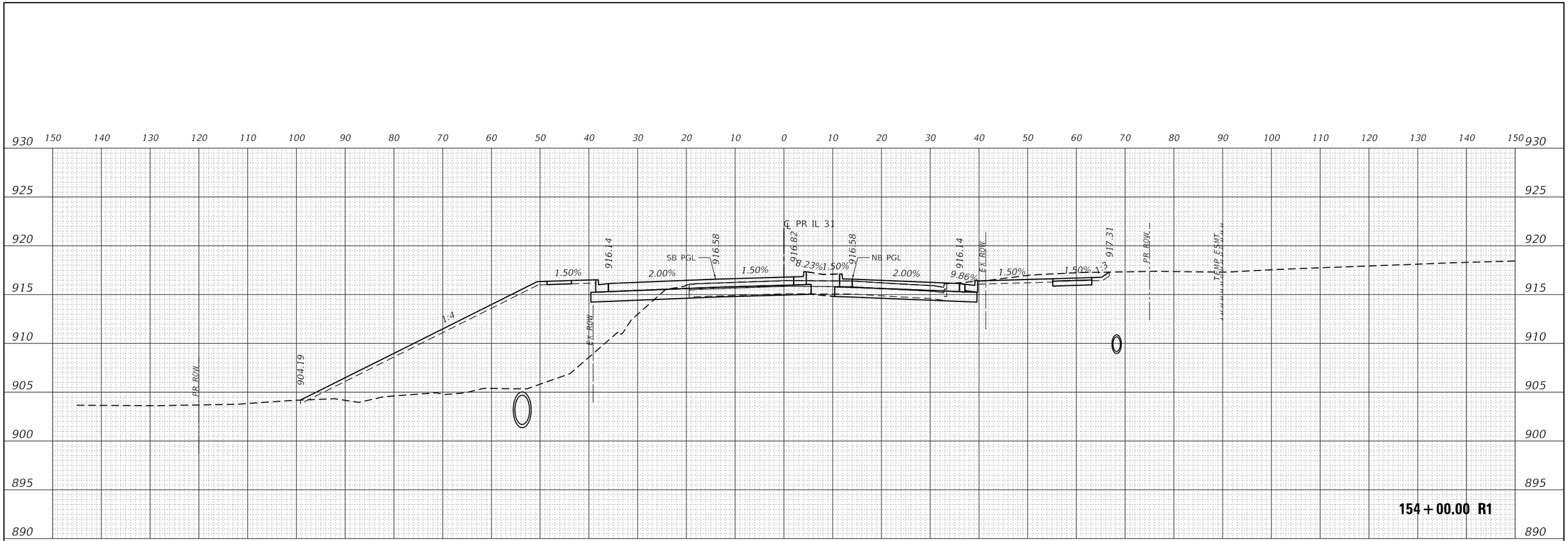
SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 151+70.00 R1 TO STA. 152+00.00 R1

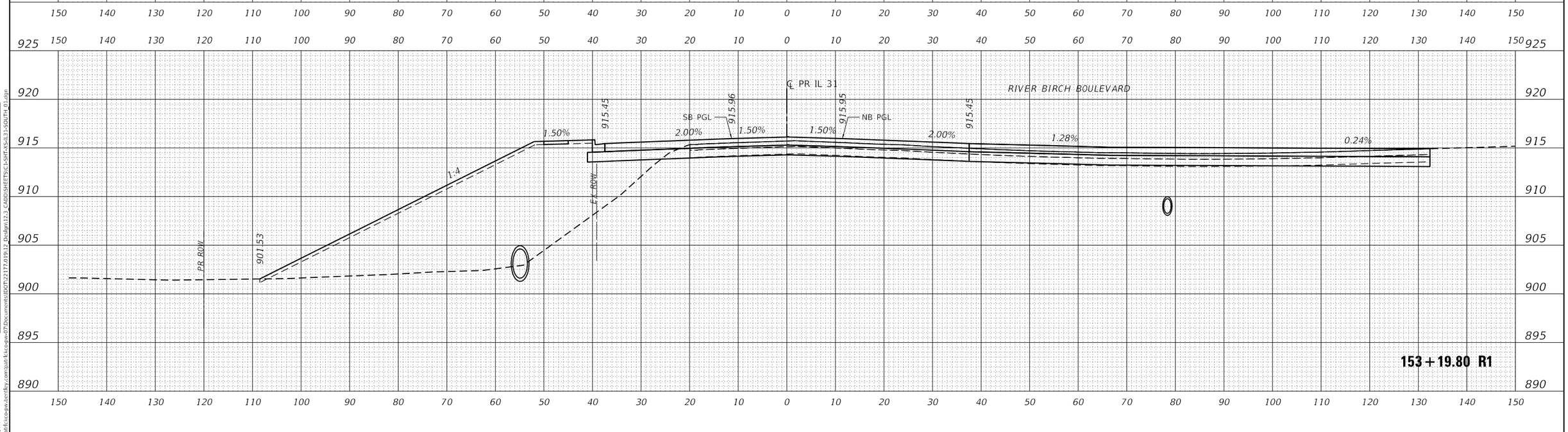
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	701
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_01.dgn





FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_01.dgn

PATRICK a RIVER company

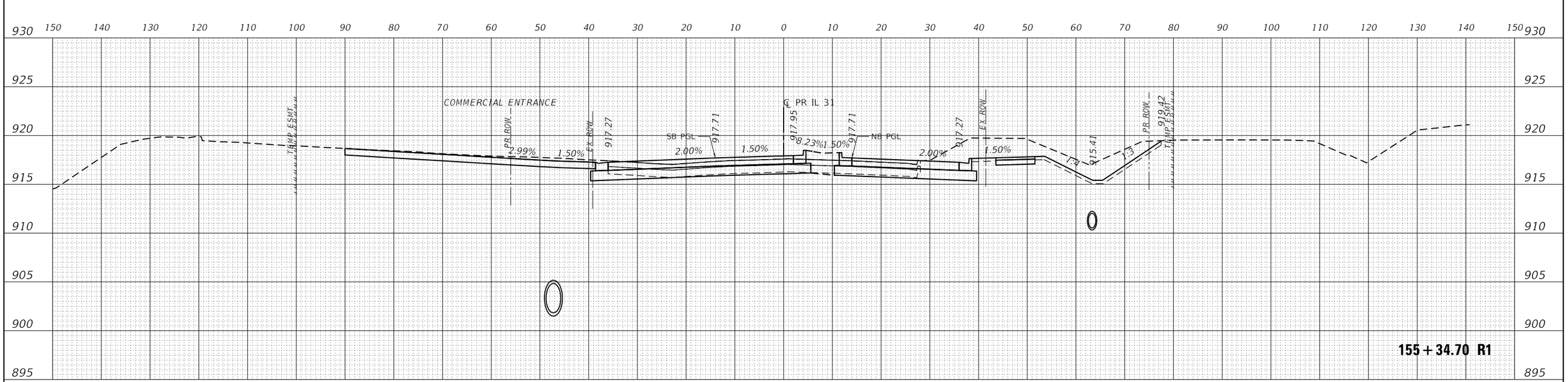
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

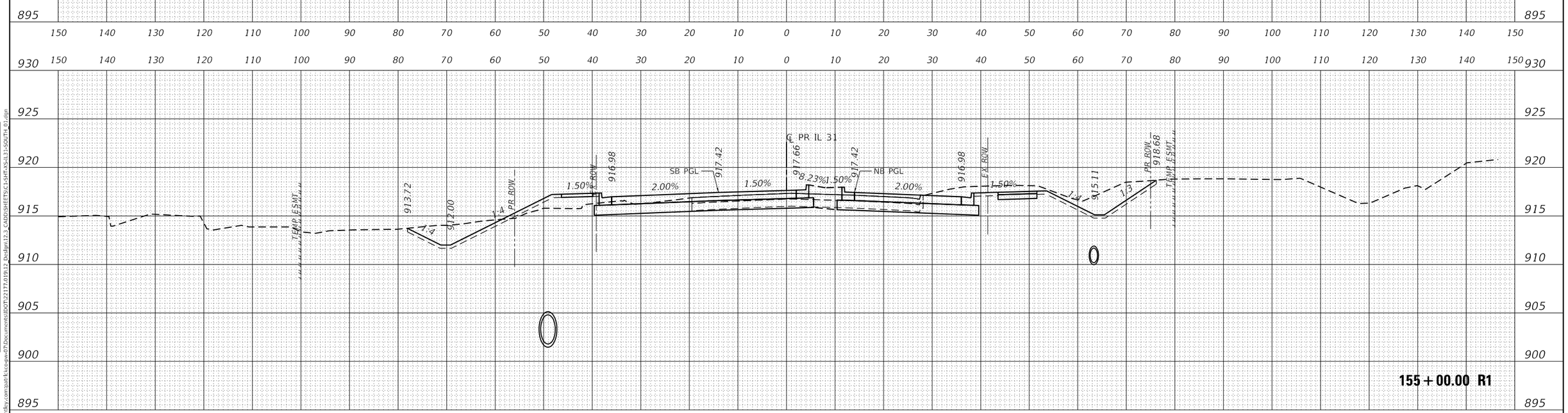
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 153+19.80 R1 TO STA. 154+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	702
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 155+00.00 R1 TO STA. 155+34.70 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	703
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — NO. — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — NO. — BY — DATE

MODEL: P_IL31_SOUTH
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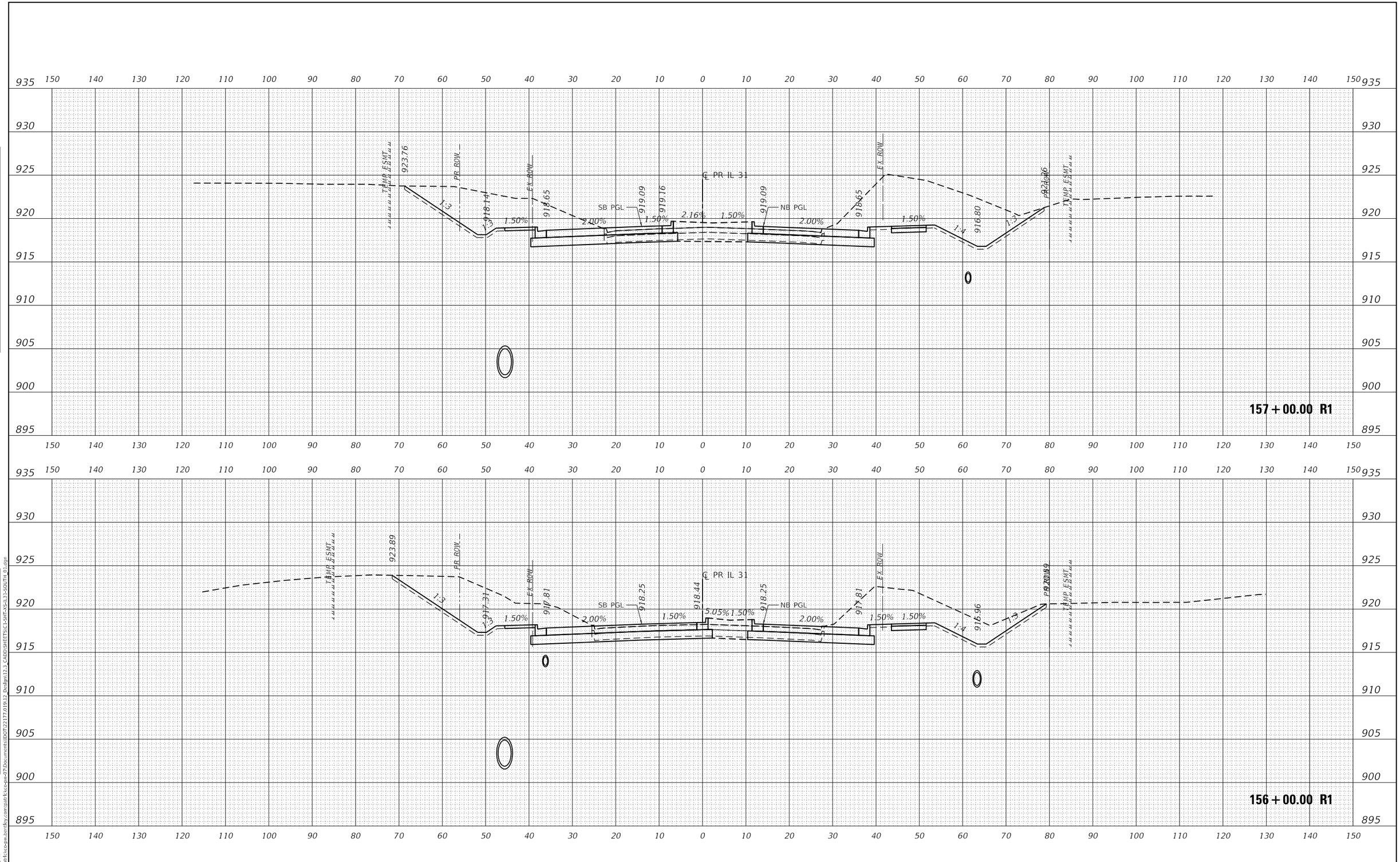

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 156+00.00 R1 TO STA. 157+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	704
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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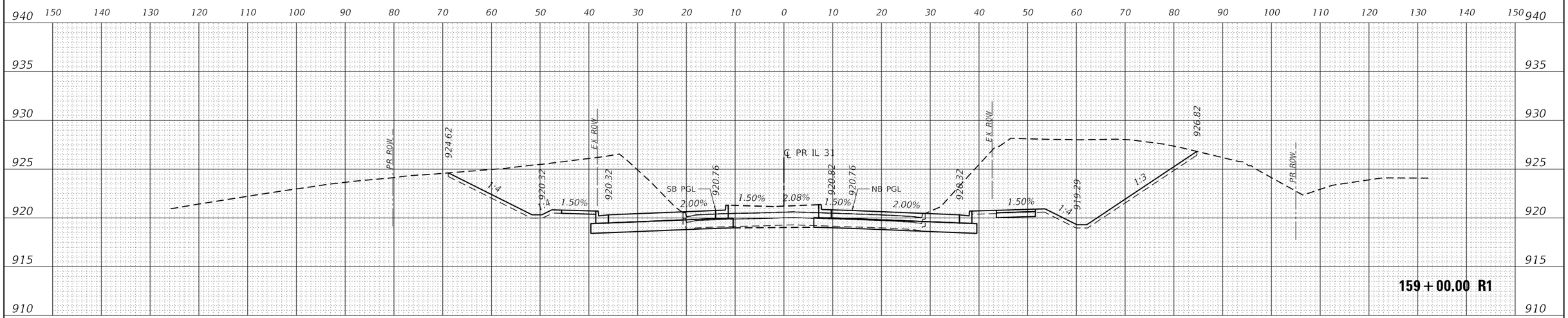
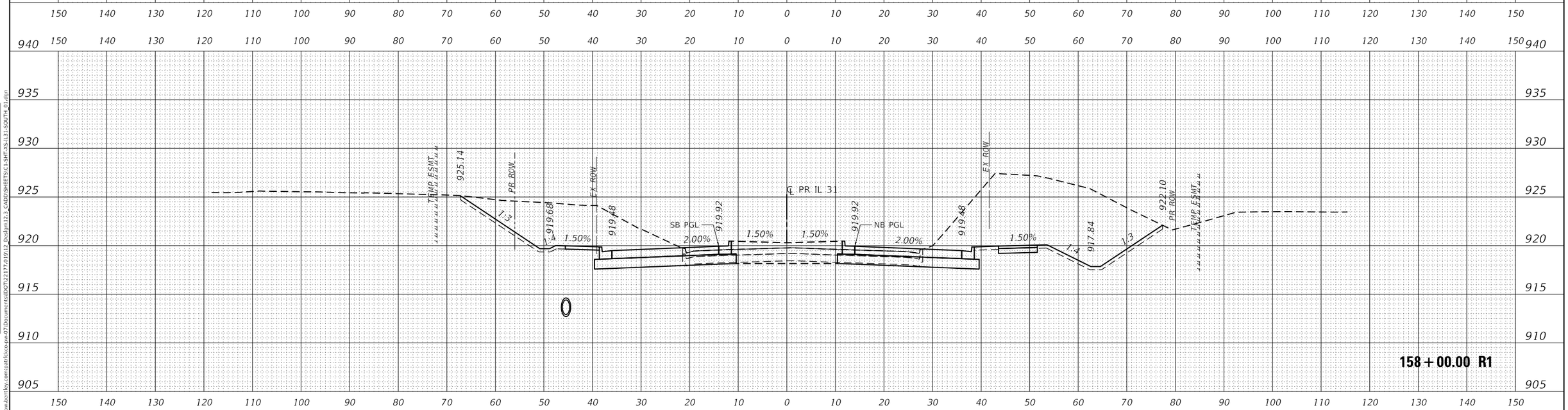




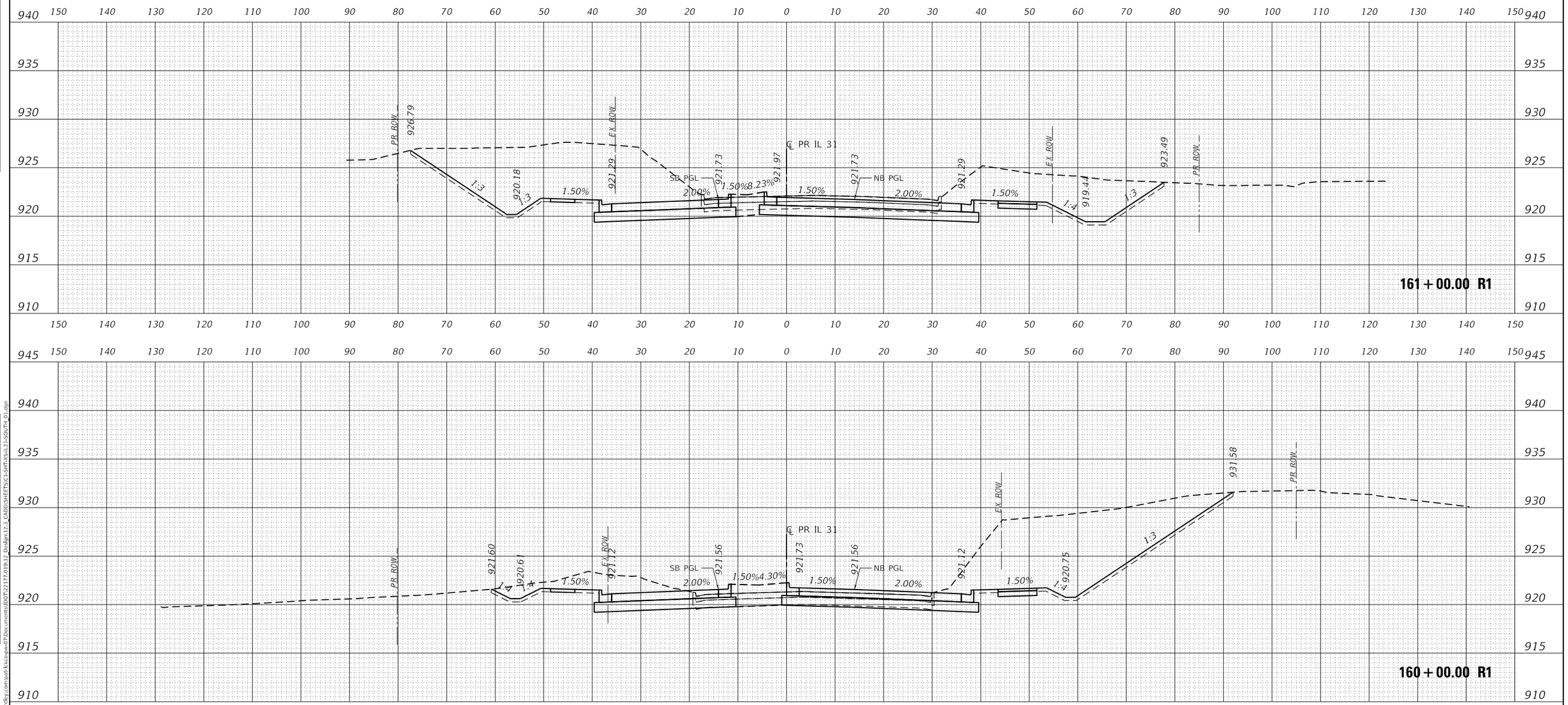
USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 158+00.00 R1 TO STA. 159+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	705
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK NO., BY, DATE

ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK NO., BY, DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw://patrickco-pw.bentley.com:patrickco-pw-07/Documents/IDOT/22177/019/12_Design/12.3_CADD/SHEETS/C1-SHT-XS-IL31-SOUTH_01.dgn



USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 160+00.00 R1 TO STA. 161+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	706
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

DATE | BY | FINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED | NOTE BOOK | NO.

ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED | NOTE BOOK | NO.

MODEL: P_IL31_SOUTH
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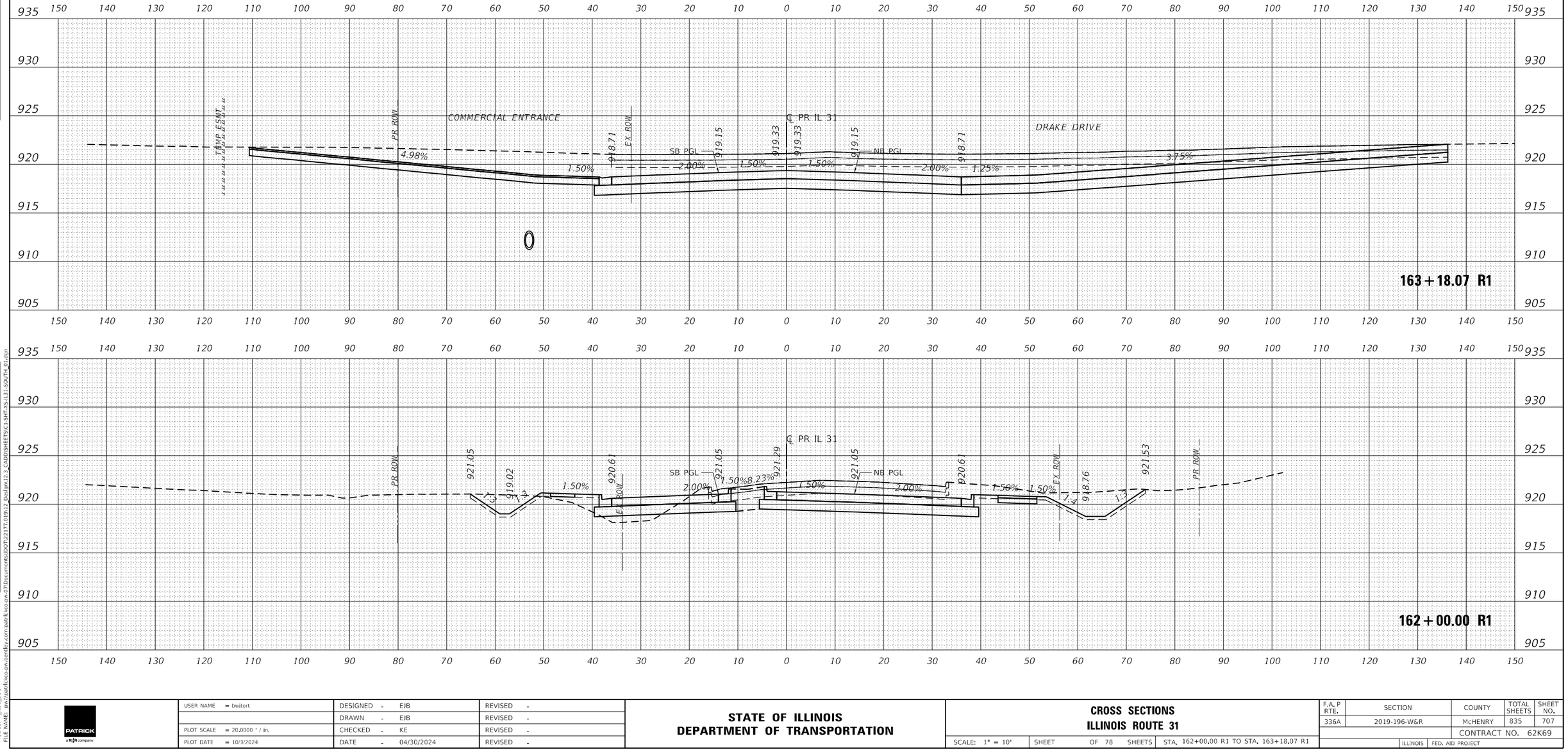

PATRICK a RJN company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS ILLINOIS ROUTE 31**
		DRAWN - EJB	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 162+00.00 R1 TO STA. 163+18.07 R1
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	707
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

MODEL: P_IL31_SOUTH
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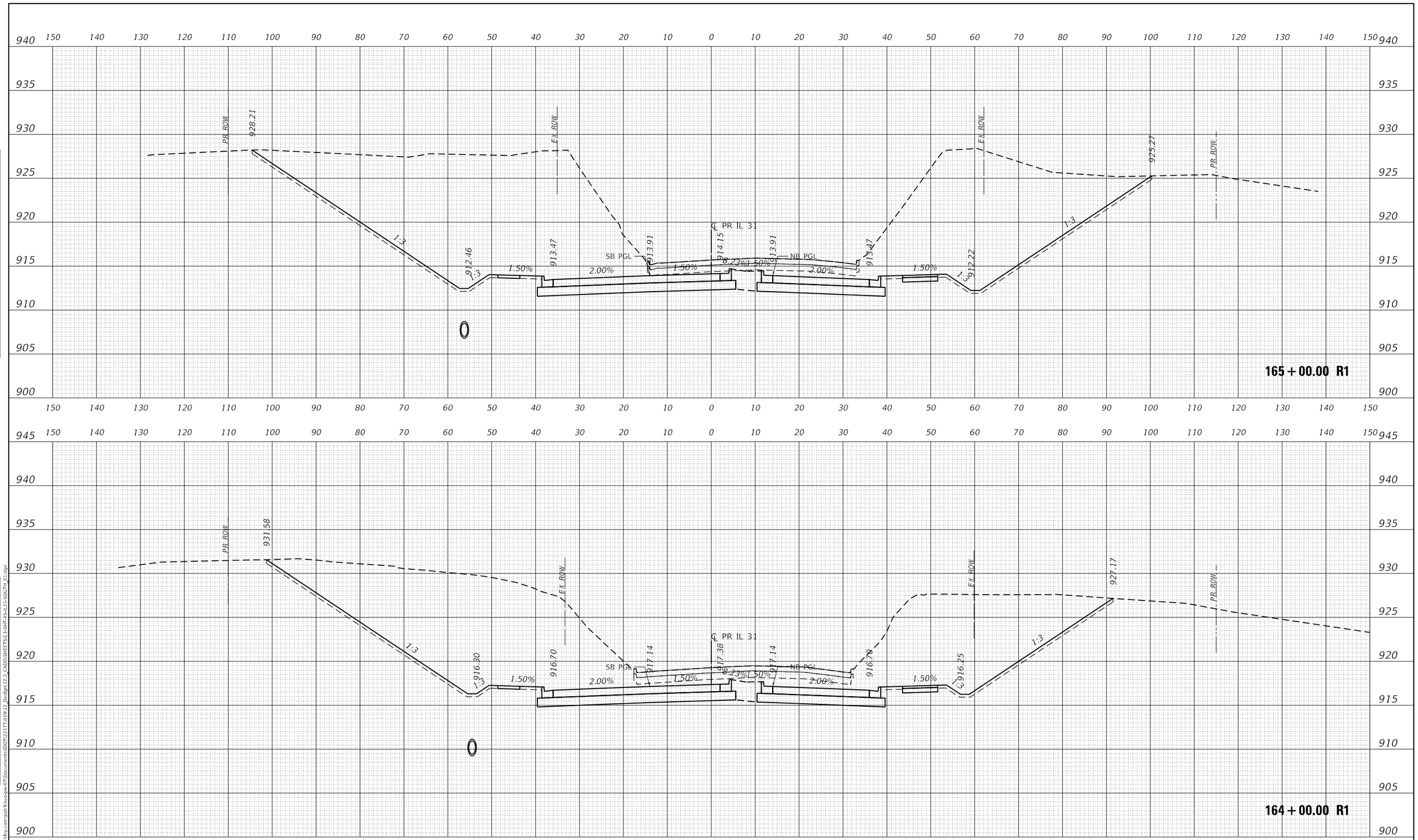

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31
	DRAWN - EJB	REVISED -		
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 164+00.00 R1 TO STA. 165+00.00 R1
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	708
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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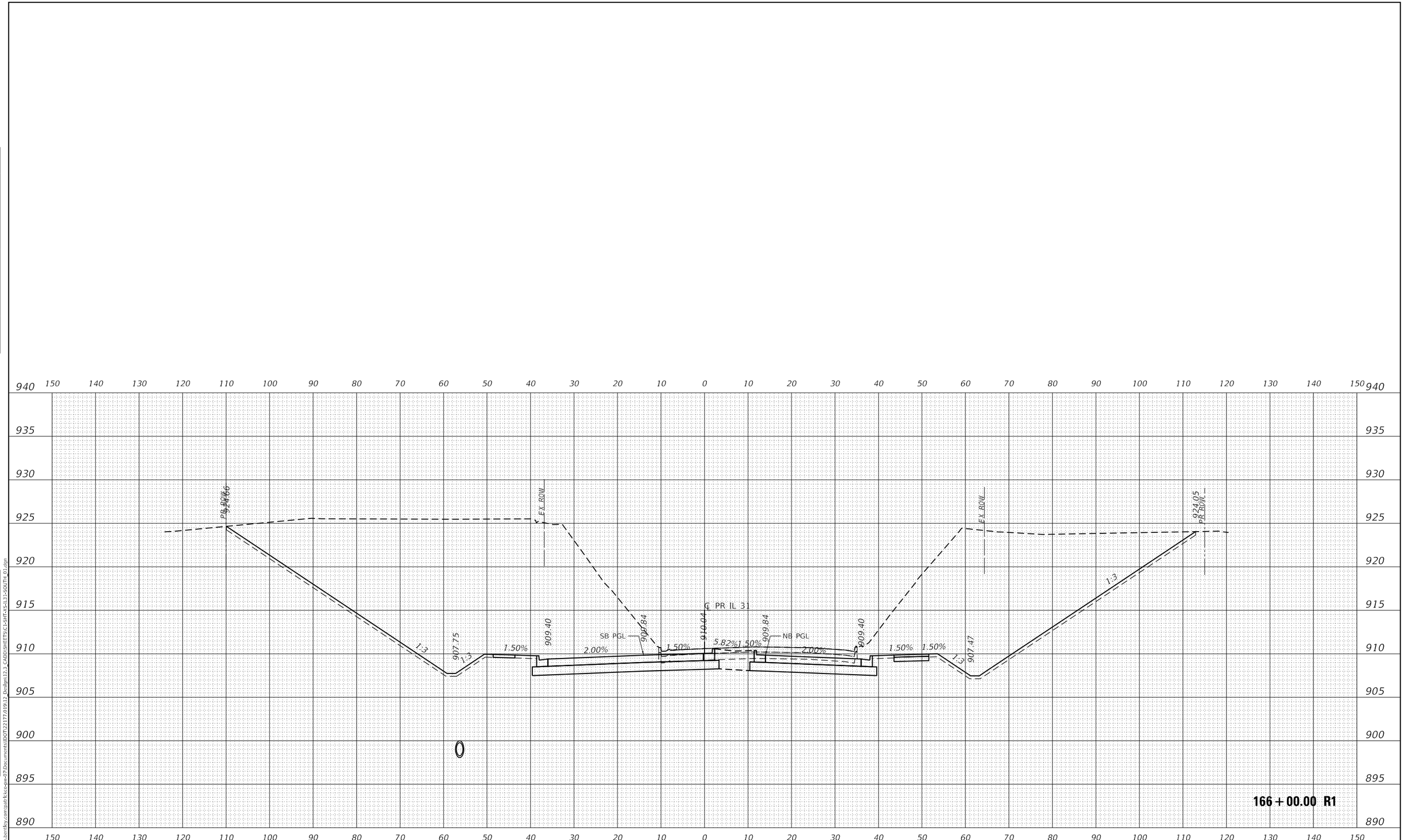

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 166+00.00 R1 TO STA. 166+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	709
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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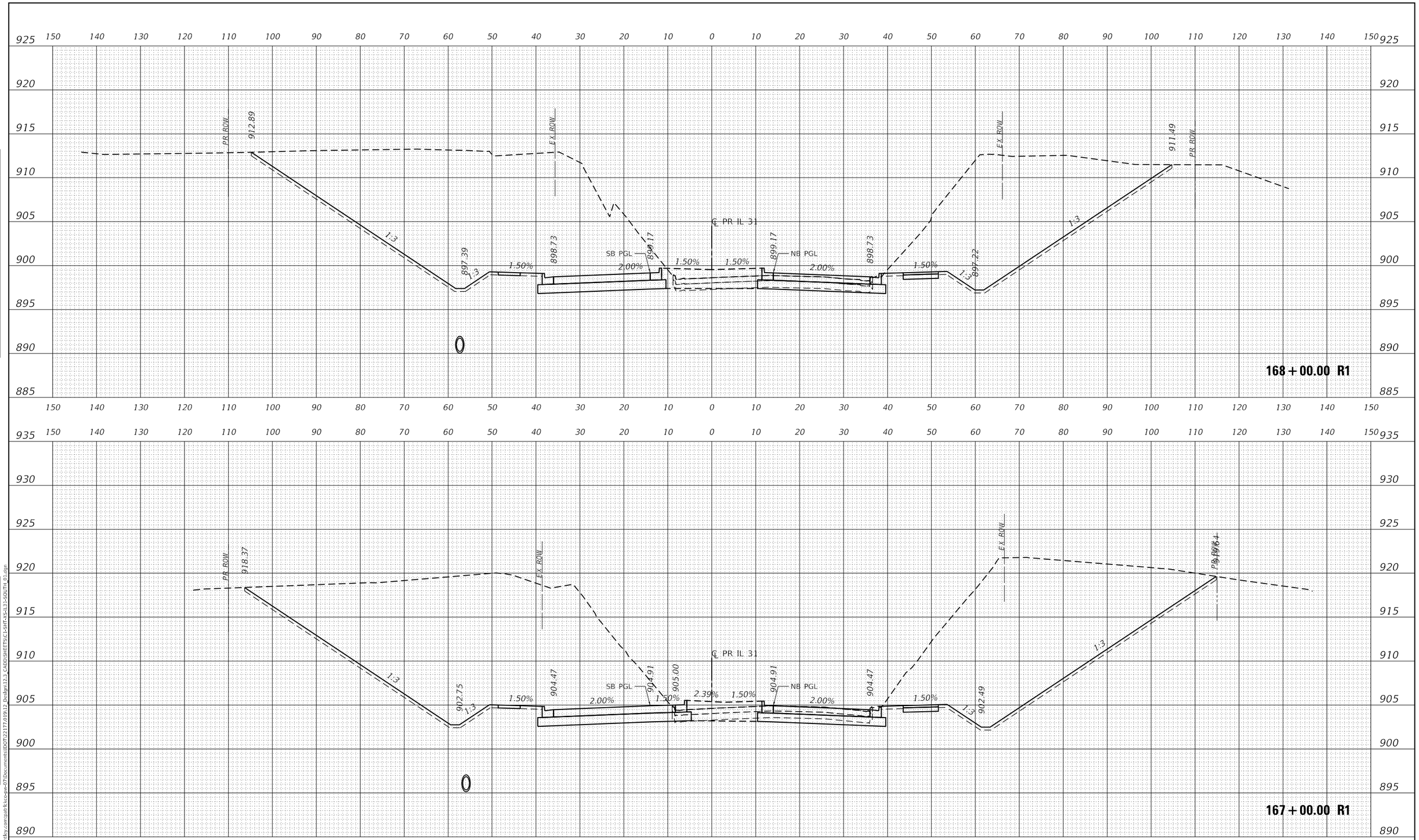

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 167+00.00 R1 TO STA. 168+00.00 R1
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	710
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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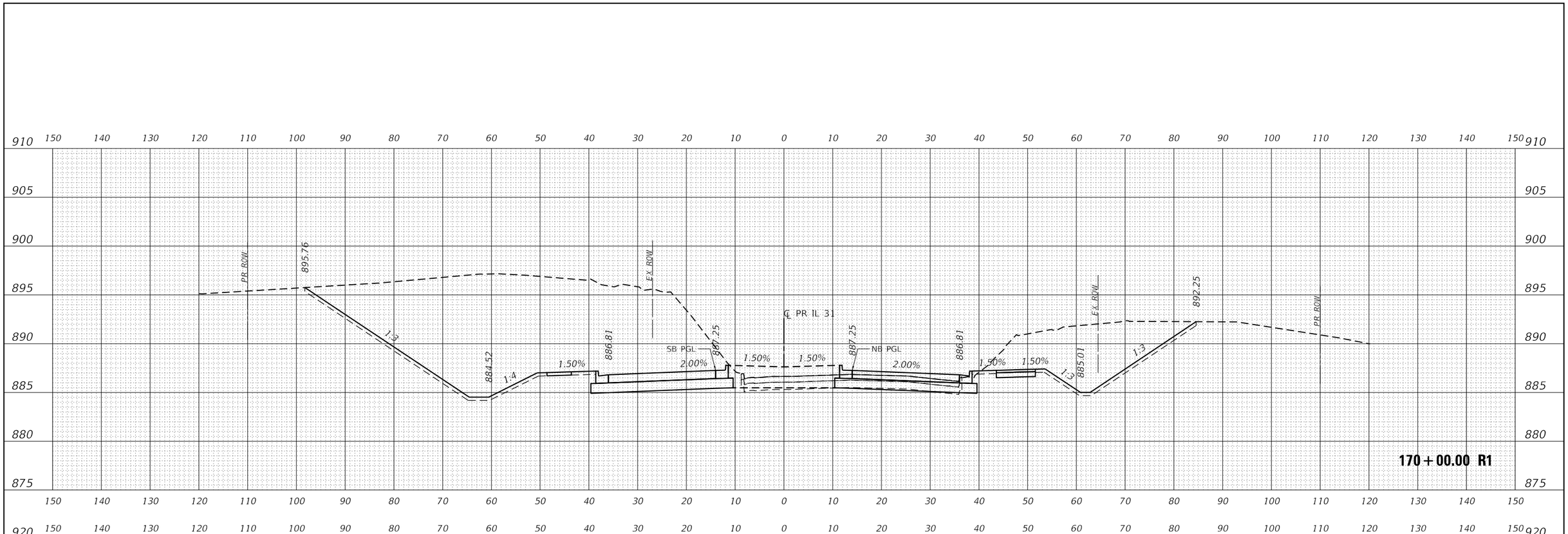

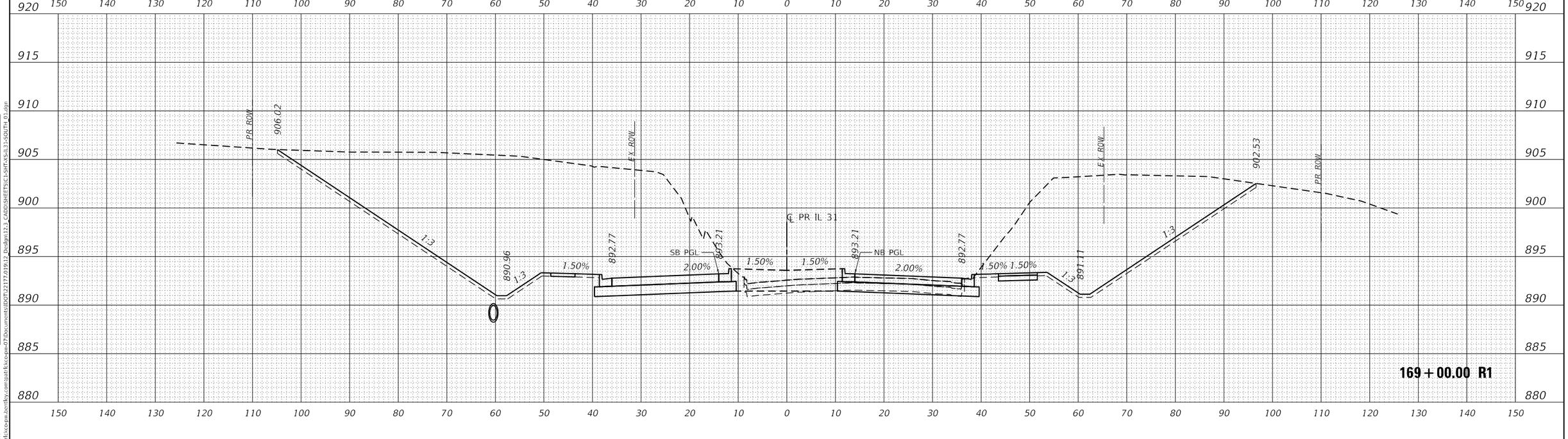

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a Rich company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 169+00.00 R1 TO STA. 170+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	711

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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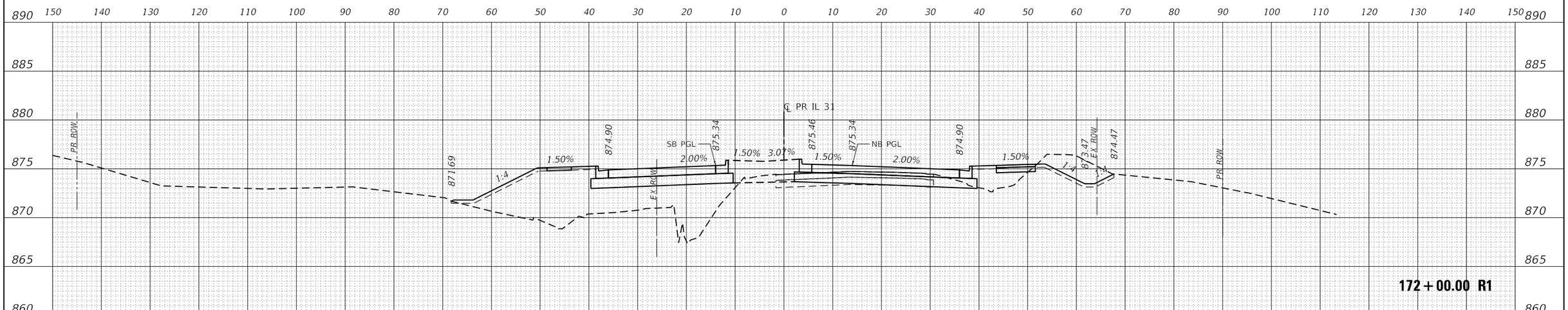

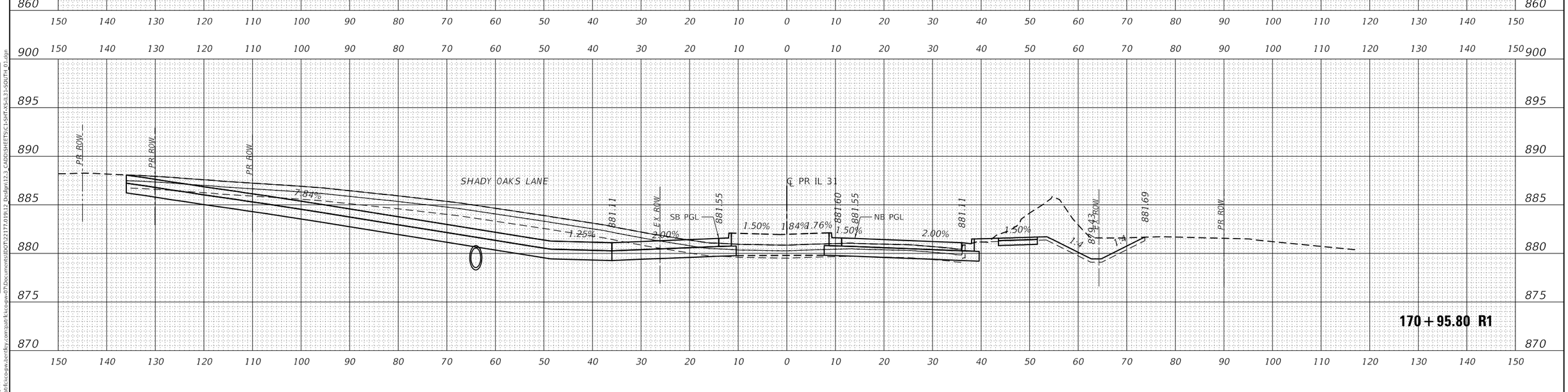

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: P_IL31_SOUTH
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PATRICK a RIVER company

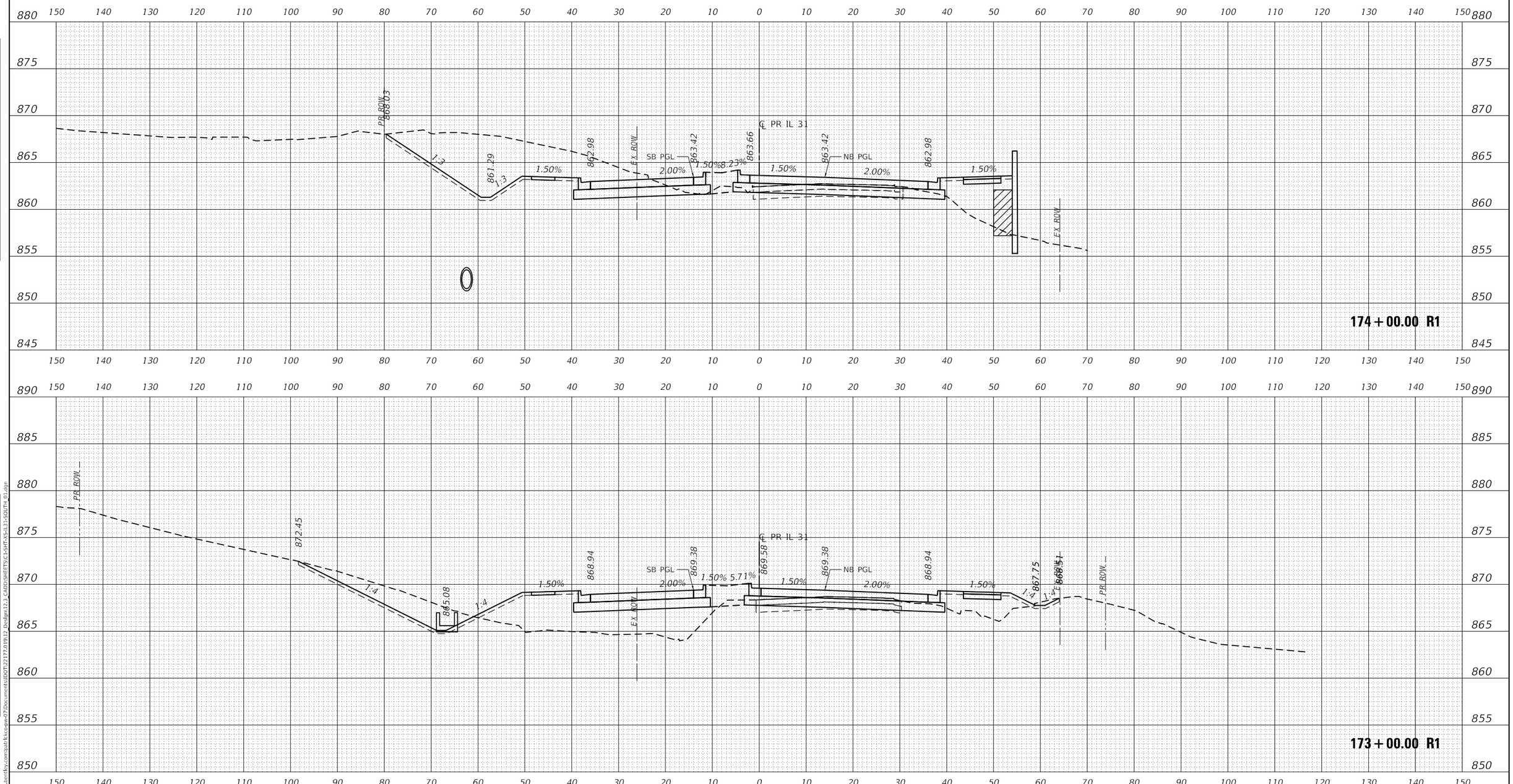
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 170+95.80 R1 TO STA. 172+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	712
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RIVER company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 173+00.00 R1 TO STA. 174+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	713

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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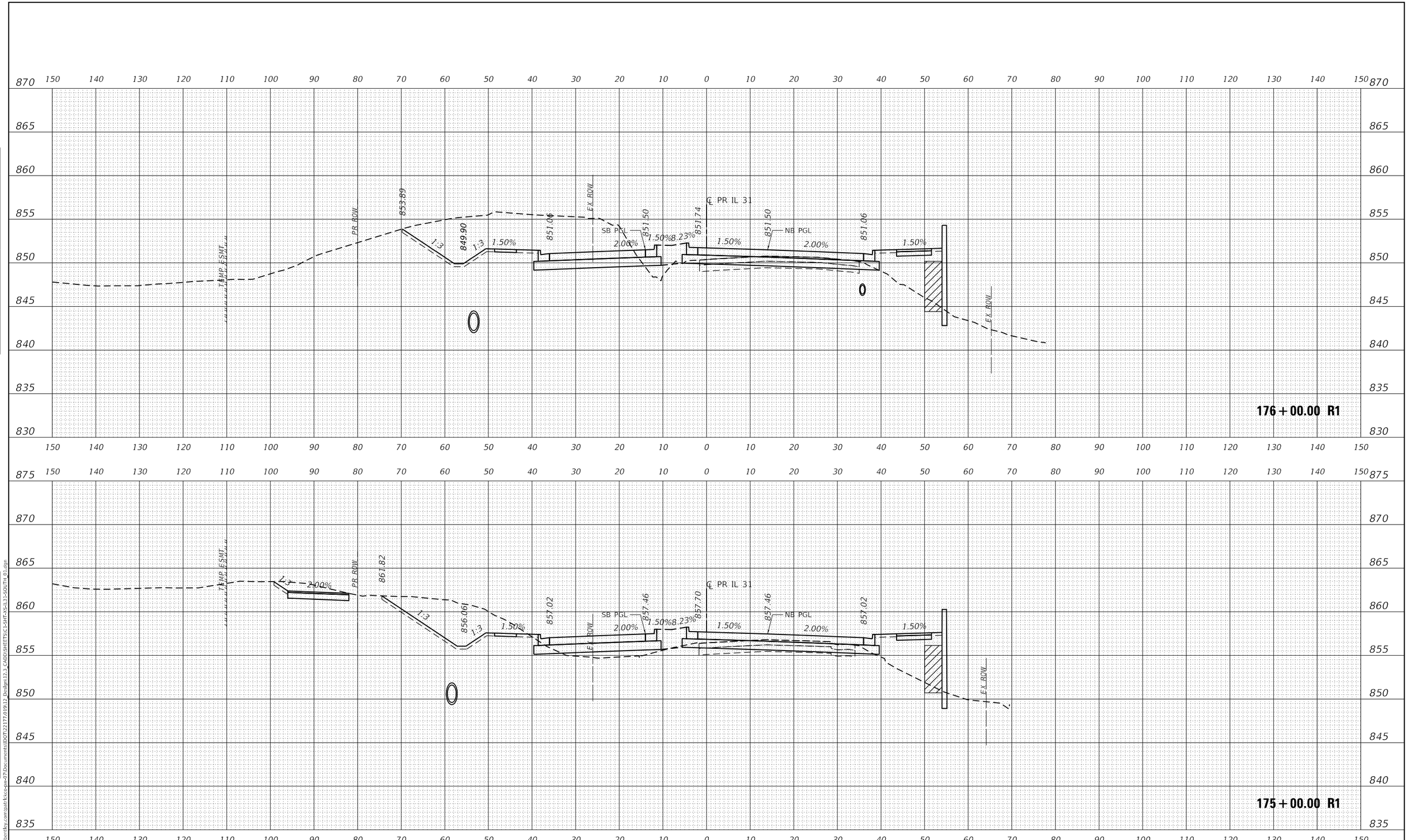

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 175+00.00 R1 TO STA. 176+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	714
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PATRICK a RJR company

FINAL SURVEY NOTE BOOK NO. SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED BY DATE

ORIGINAL SURVEY NOTE BOOK NO. SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED BY DATE

MODEL: P_IL31_SOUTH
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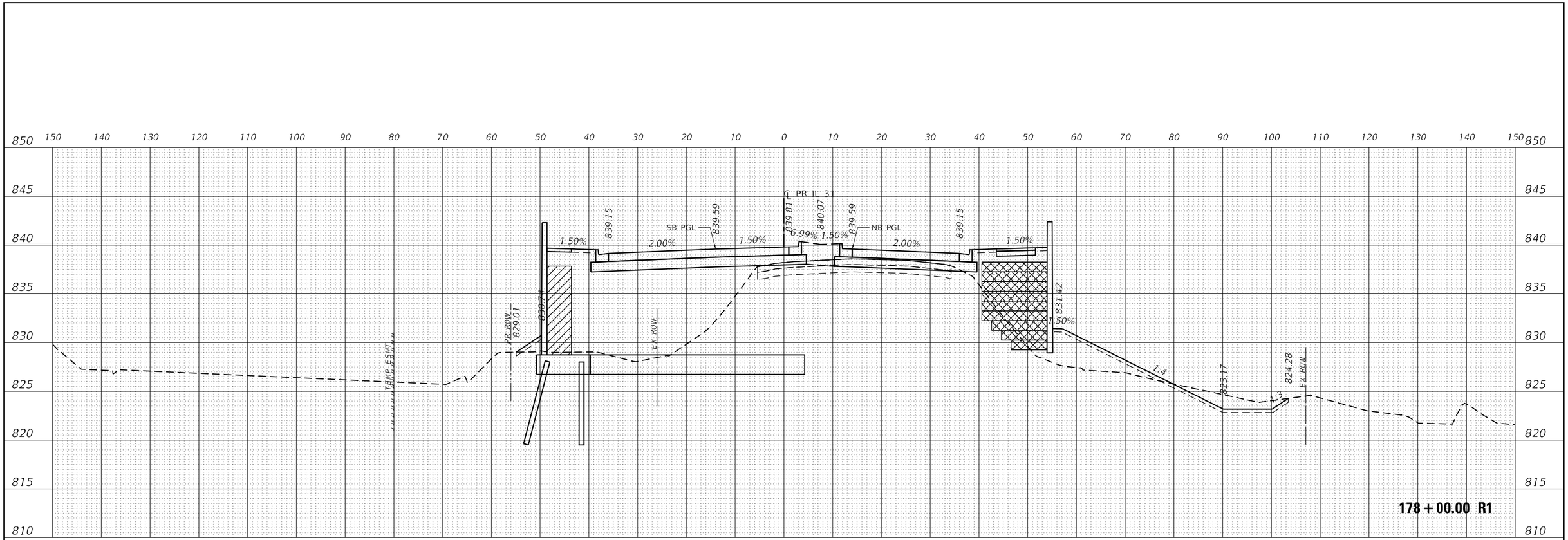

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 176+99.11 R1 TO STA. 178+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	715
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PATRICK a RIDER company

MODEL: P_IL31_SOUTH
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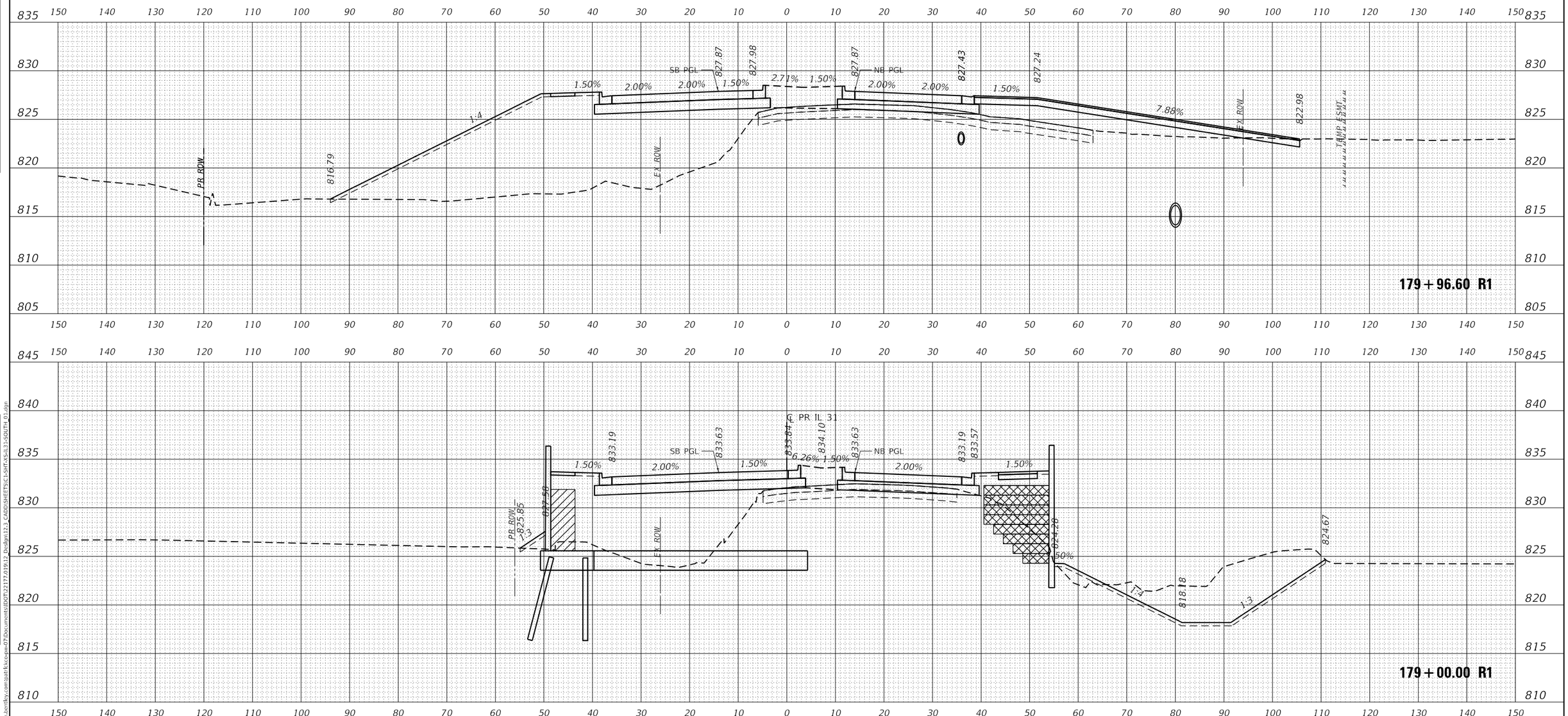

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 179+00.00 R1 TO STA. 179+96.60 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	716
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY NOTE BOOK NO. SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED BY DATE

ORIGINAL SURVEY NOTE BOOK NO. SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED BY DATE

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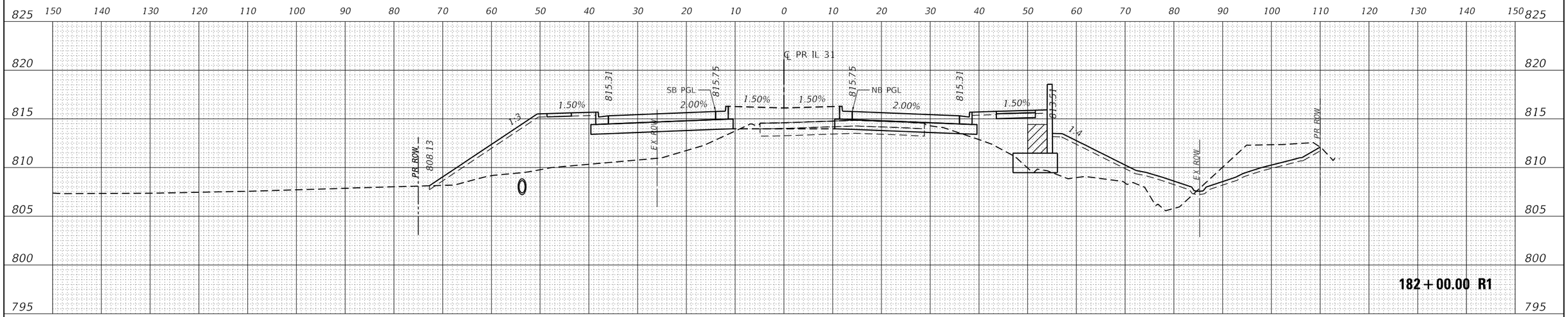

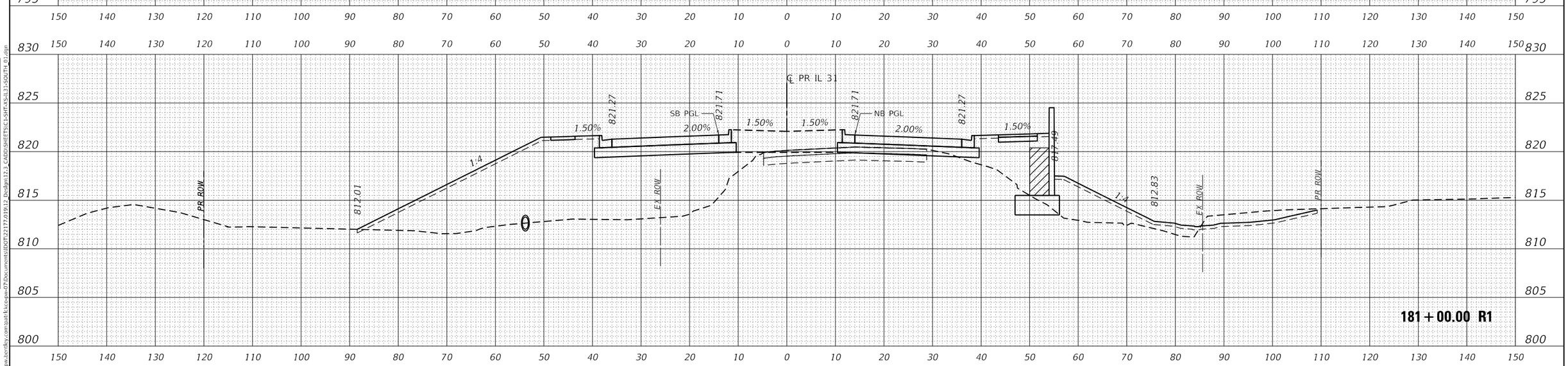

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 181+00.00 R1 TO STA. 182+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	717
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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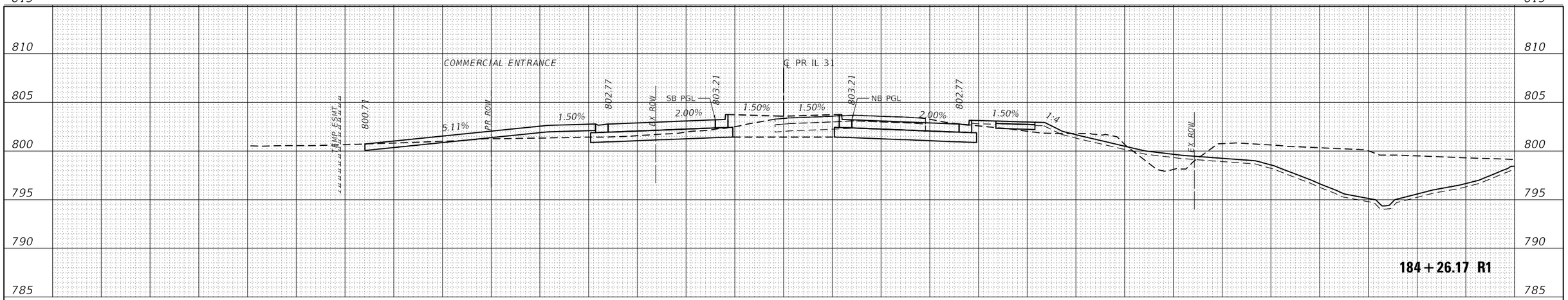

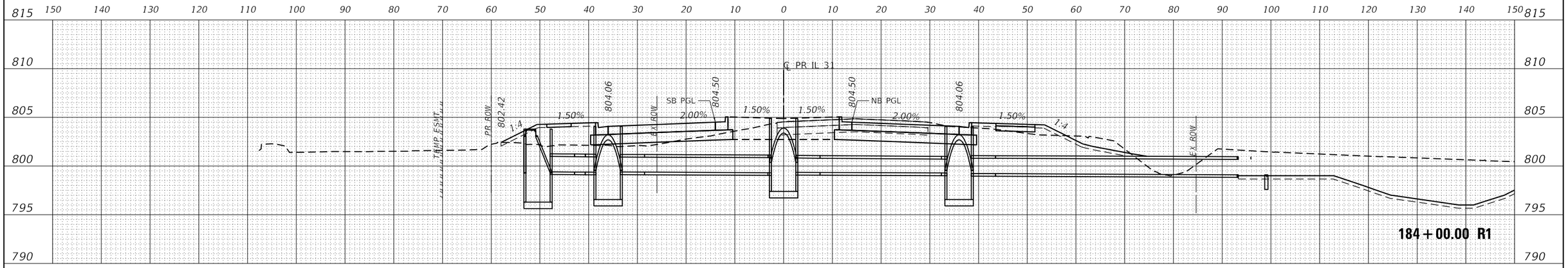

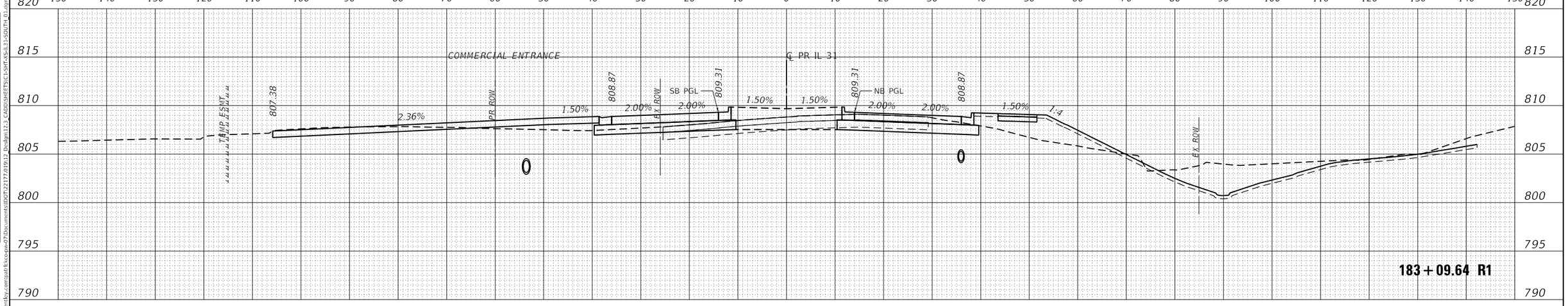

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 183+09.64 R1 TO STA. 184+26.17 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	718
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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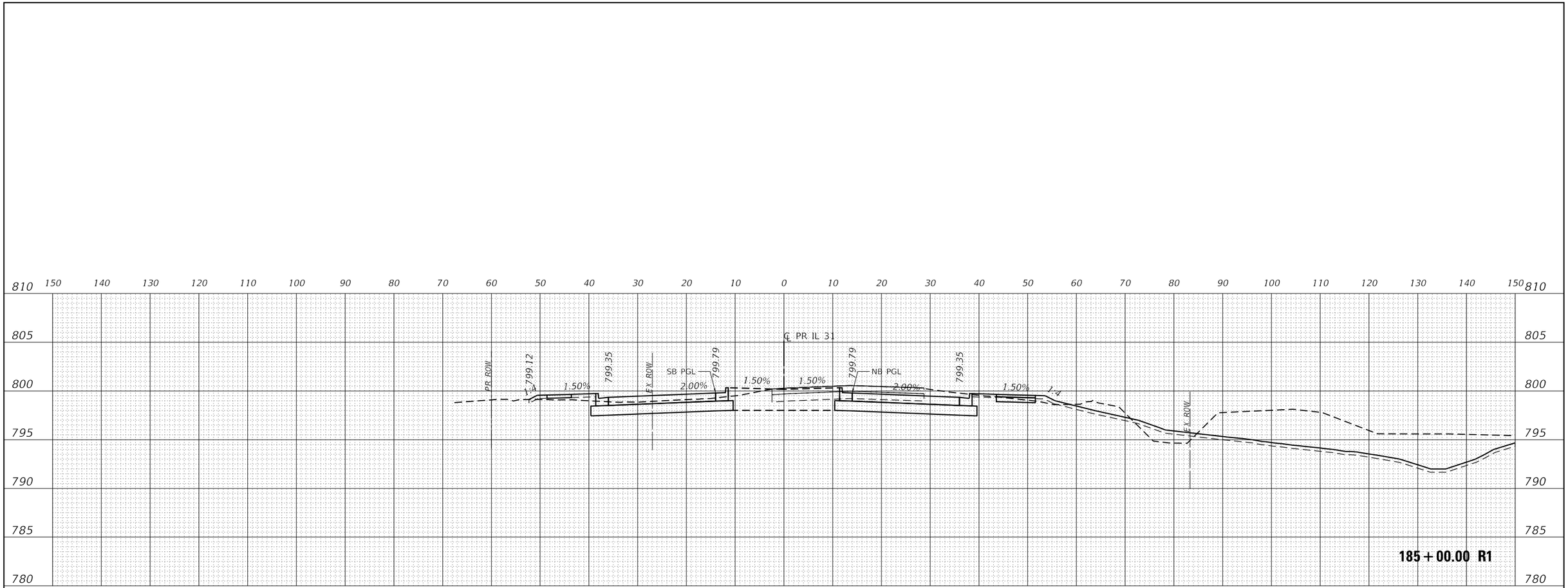

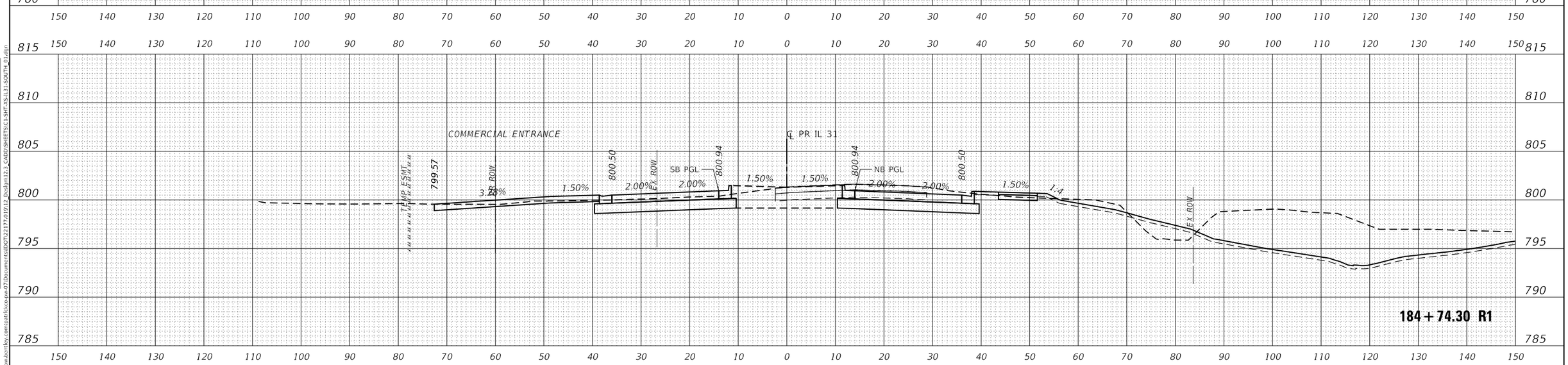

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 184+74.30 R1 TO STA. 185+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	719
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PATRICK a RJR company

MODEL: P_IL31_SOUTH
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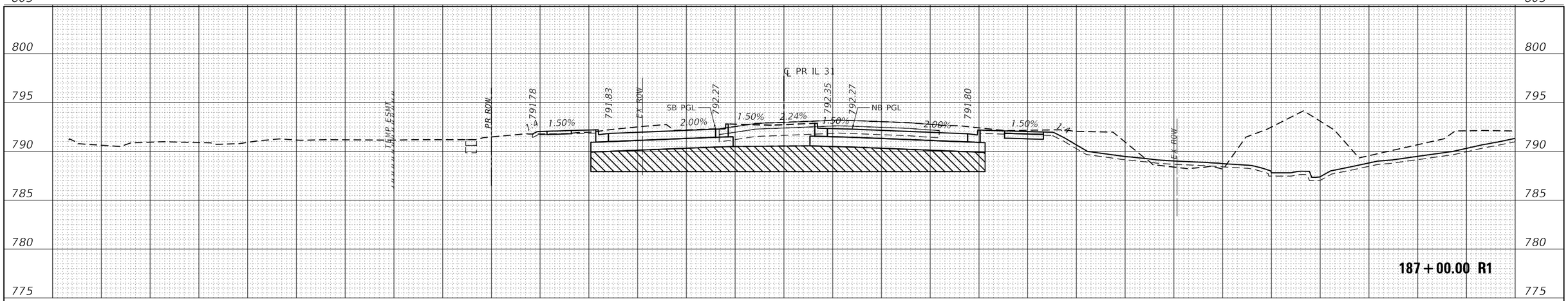

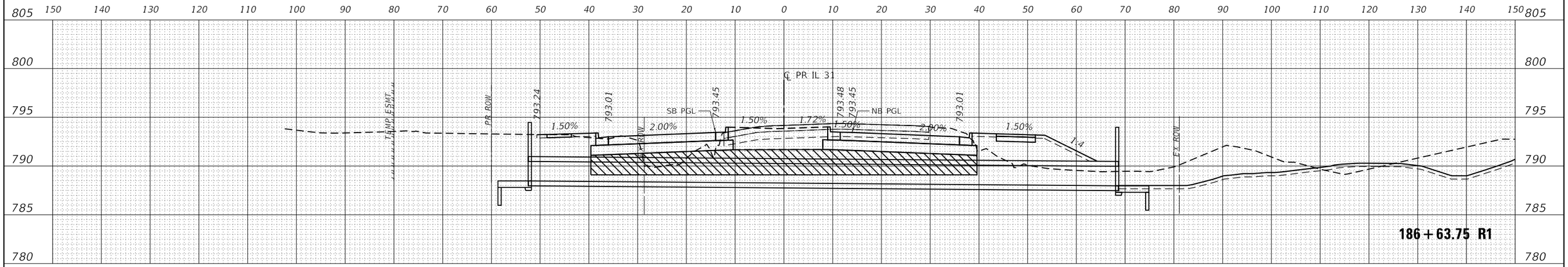

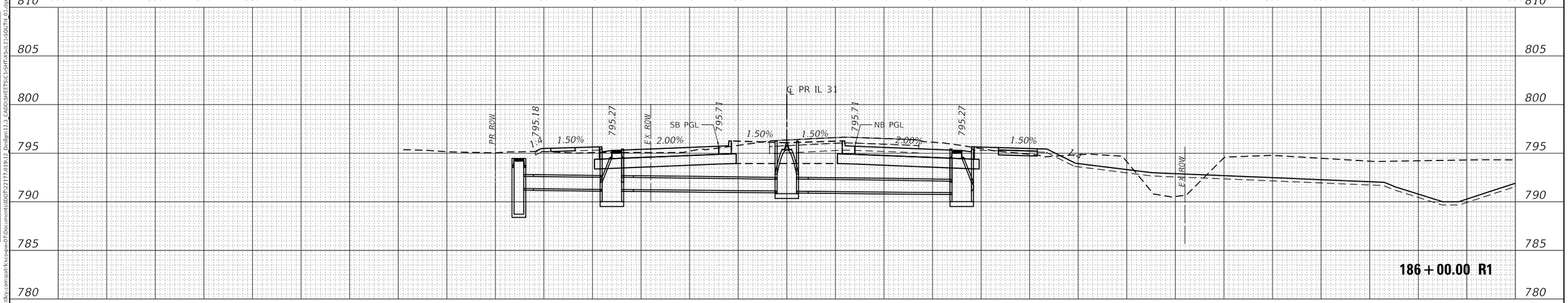

USER NAME = bwitort		DESIGNED - EJB	REVISED -		
		DRAWN - EJB	REVISED -		
PLOT SCALE = 20.0000 ' / in.		CHECKED - KE	REVISED -		
PLOT DATE = 10/3/2024		DATE - 04/30/2024	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 186+00.00 R1 TO STA. 187+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	720
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY / ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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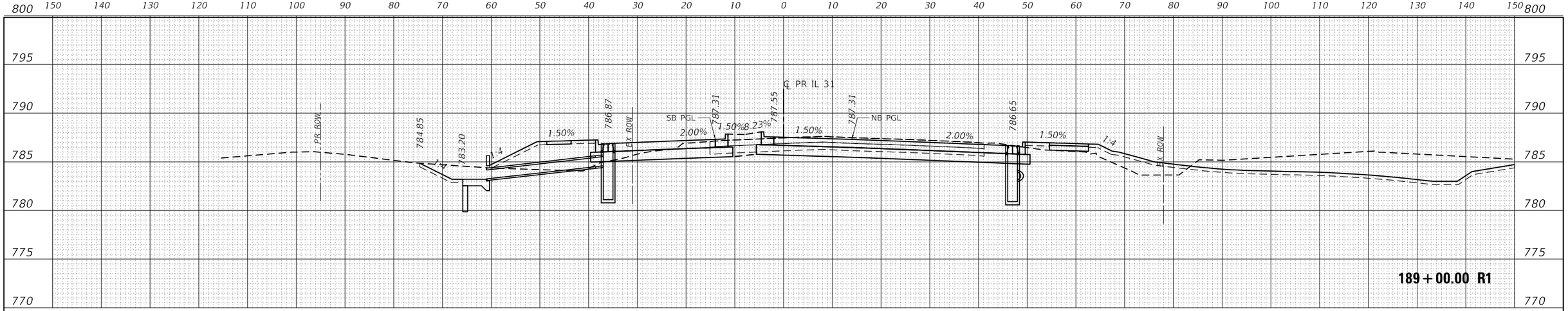
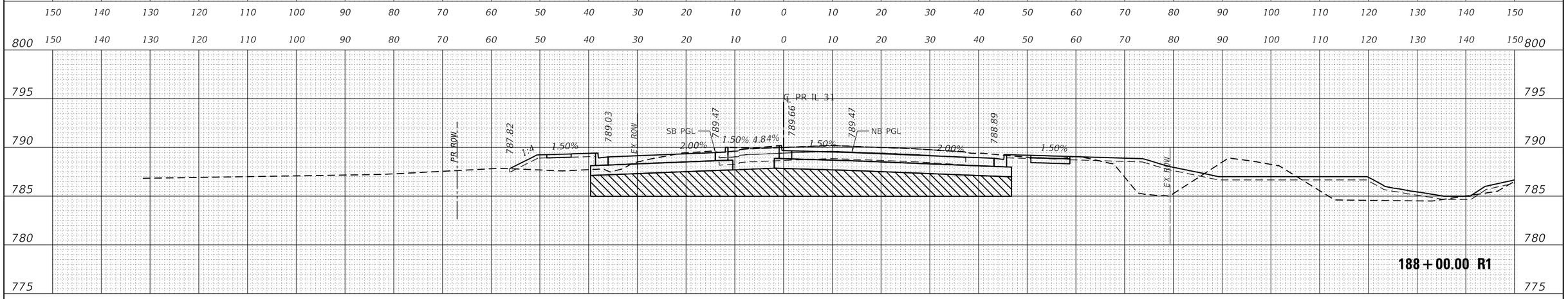
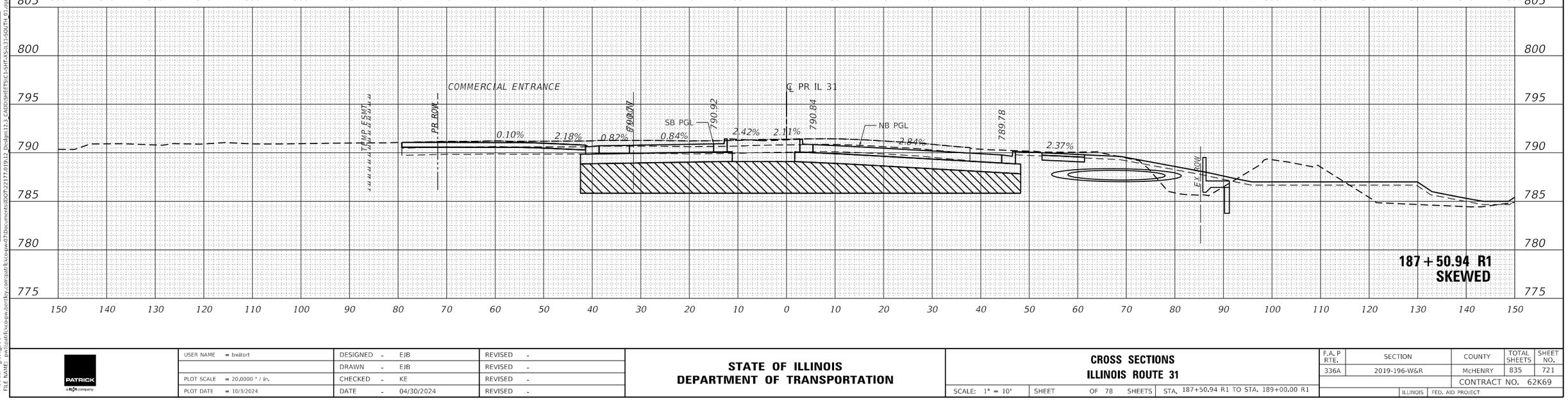






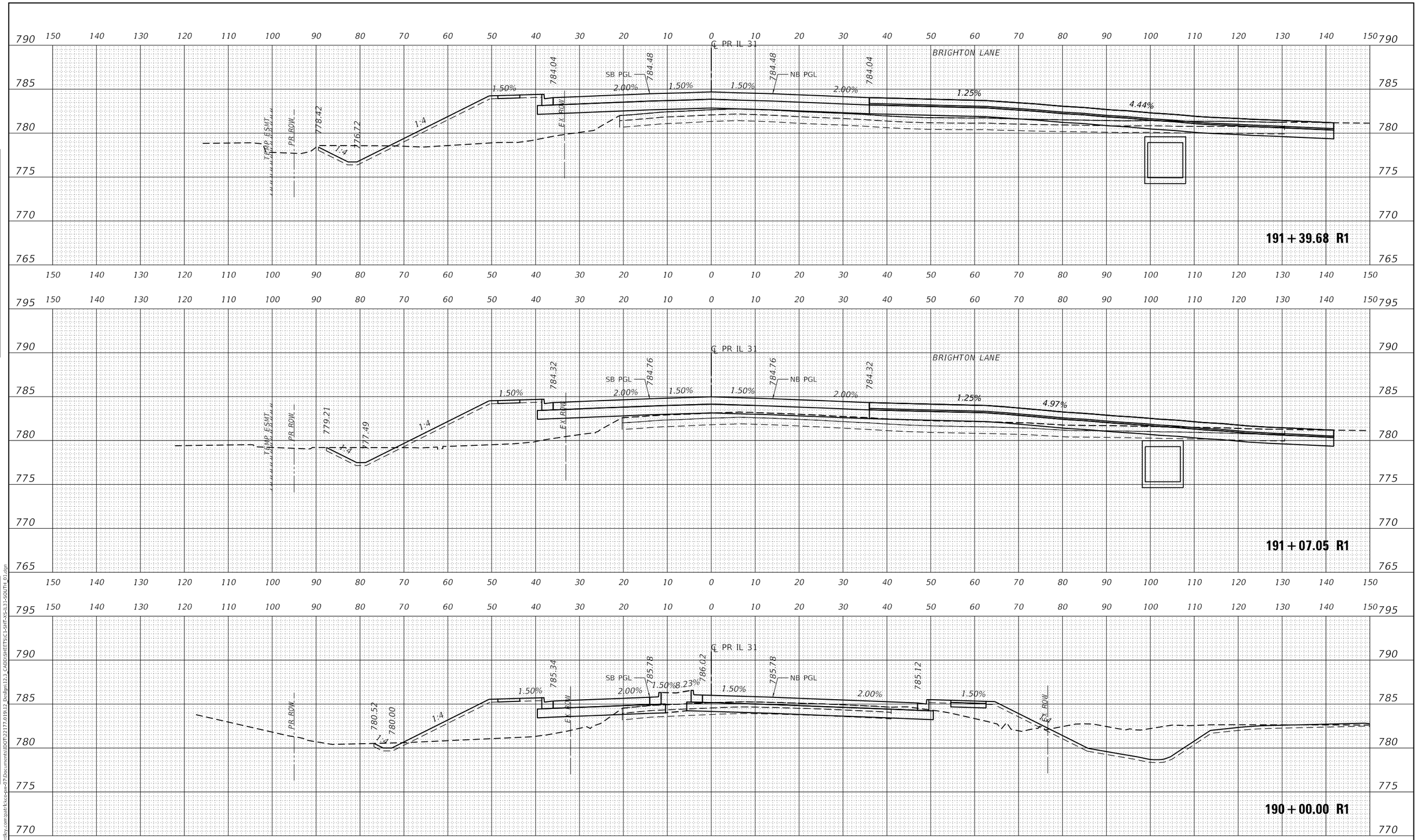
USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 187+50.94 R1 TO STA. 189+00.00 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	721
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

DATE
BY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
FINAL SURVEY
NOTE BOOK
NO.

ORIGINAL SURVEY
NOTE BOOK
NO.

MODEL: P_IL31_SOUTH
FILE NAME: p:\cadd\dot\kcce-pw-bentley.com:pw-07\Documents\IDOT\22177.01\912 Design\12.3 CADD\SHEETS\C3-SHT-XS-IL31-SOUTH 01.dgn



USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 190+00.00 R1 TO STA. 191+39.68 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	722
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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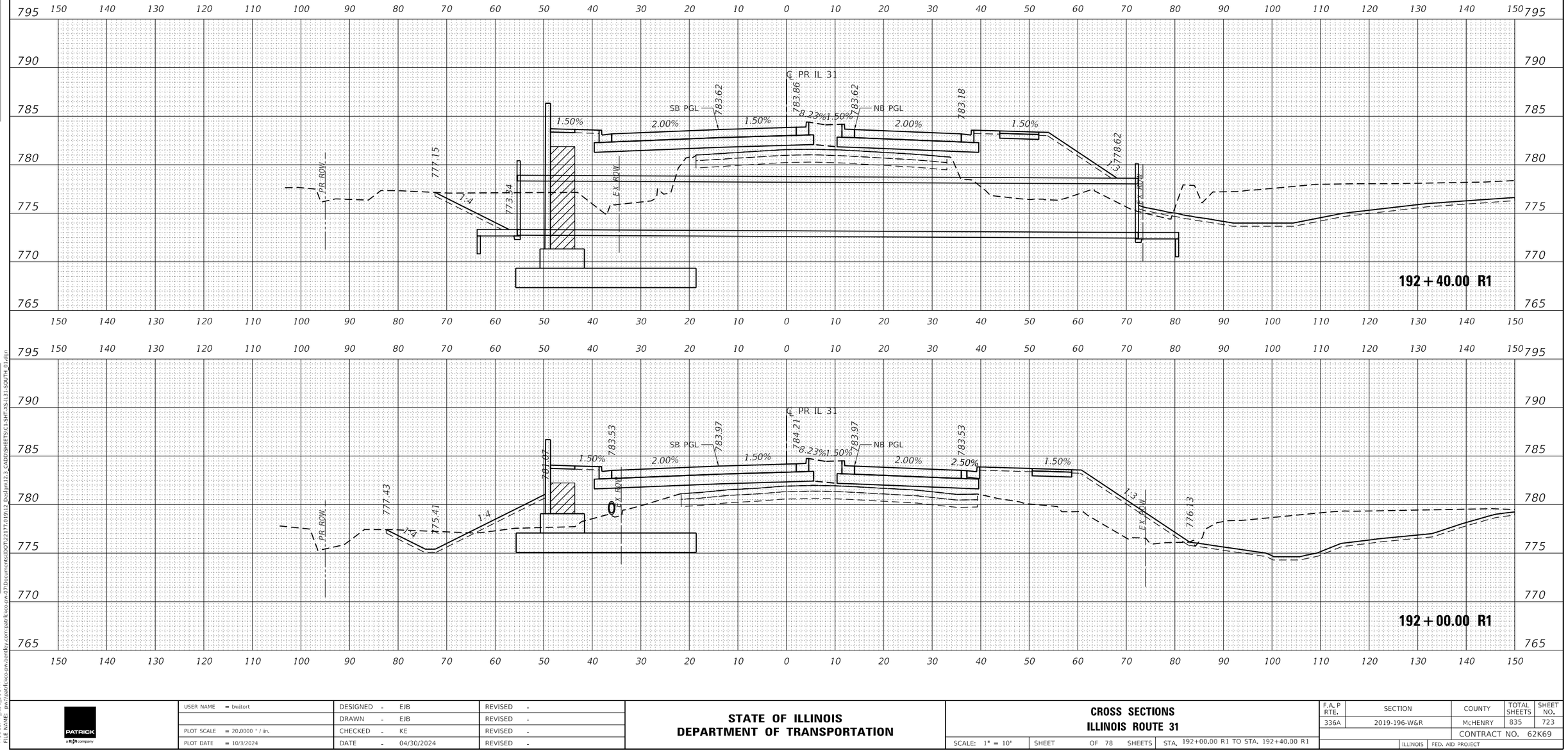

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 192+00.00 R1 TO STA. 192+40.00 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	723
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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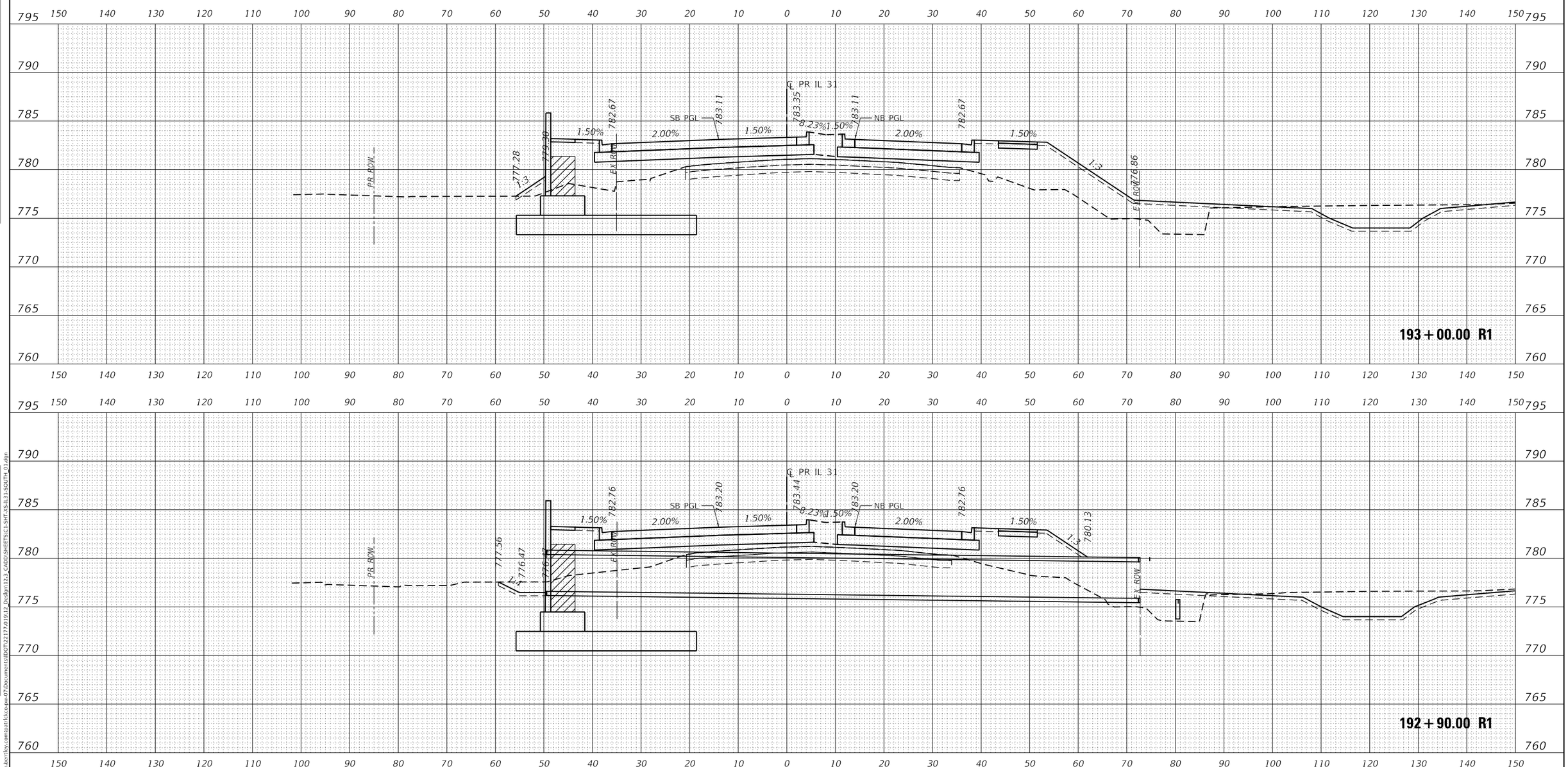


USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

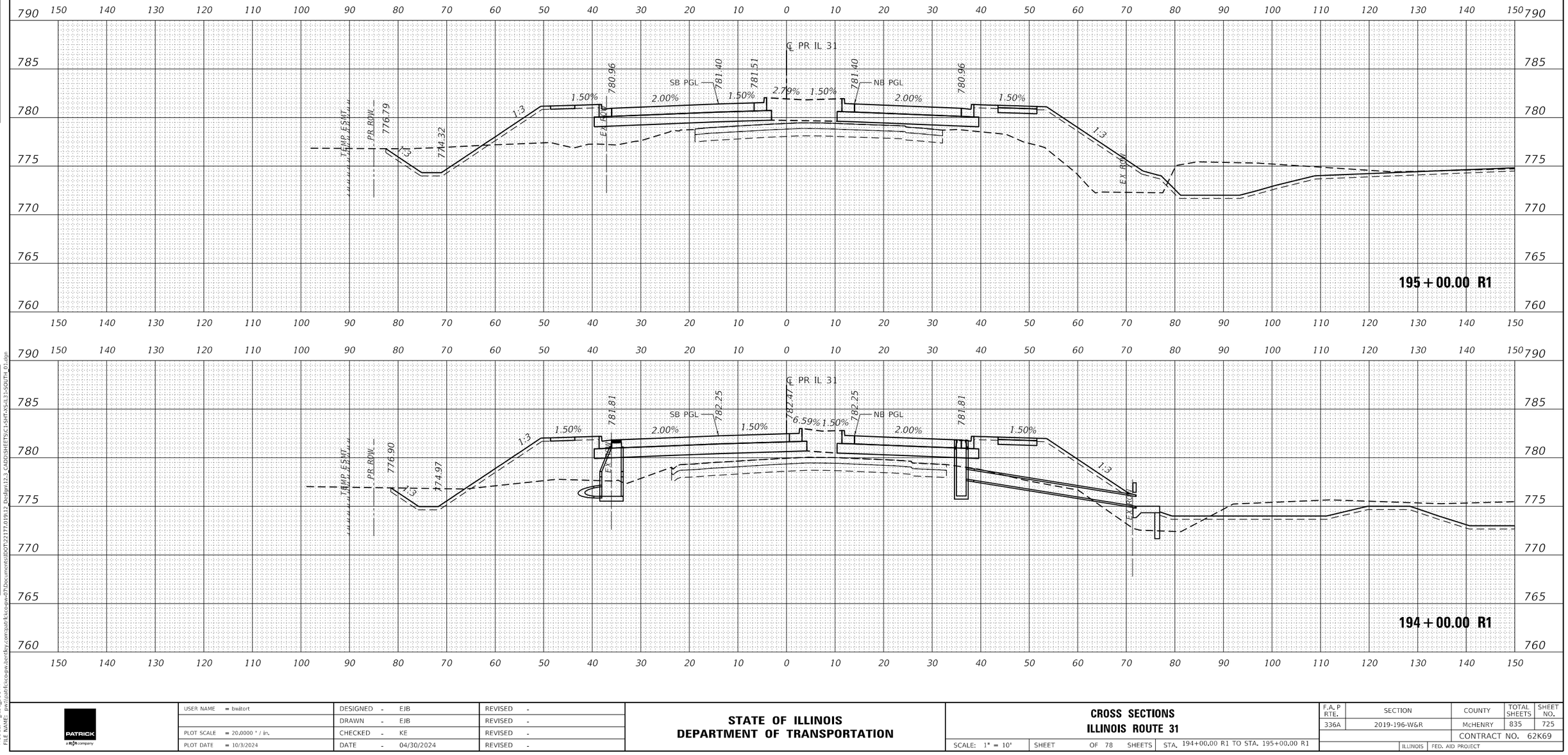
SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 192+90.00 R1 TO STA. 193+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	724
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12 Design\12.3_CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_01.dgn



USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 194+00.00 R1 TO STA. 195+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	725
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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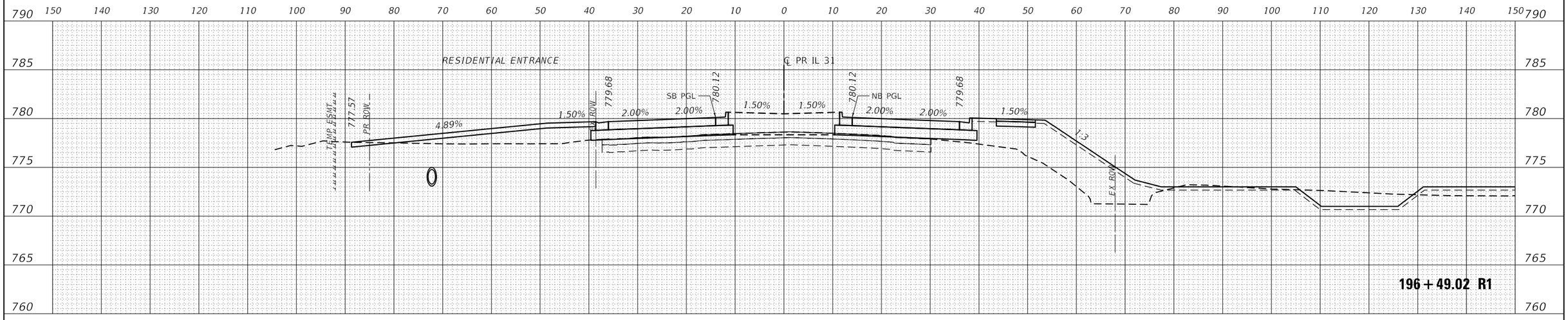

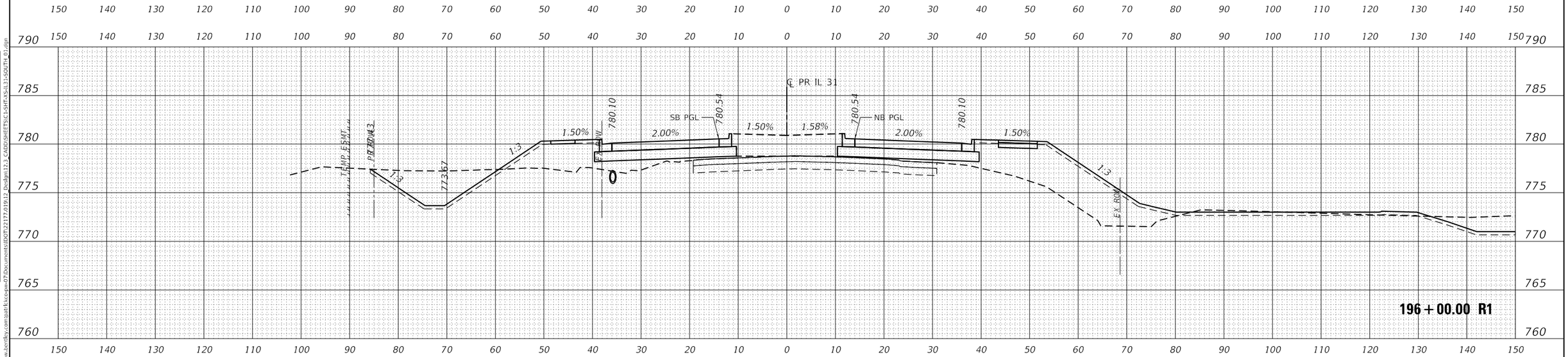

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RIVER company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 196+00.00 R1 TO STA. 196+49.02 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	726
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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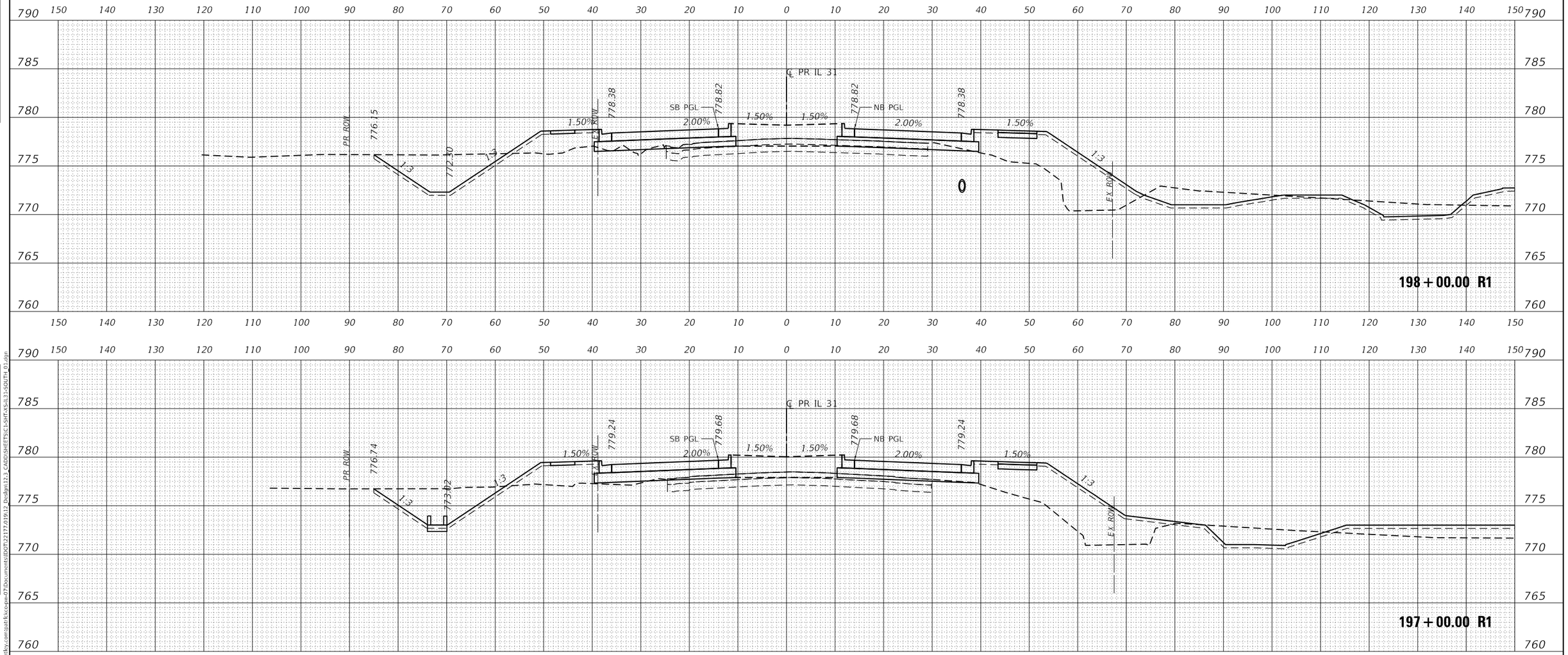

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 197+00.00 R1 TO STA. 198+00.00 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	727
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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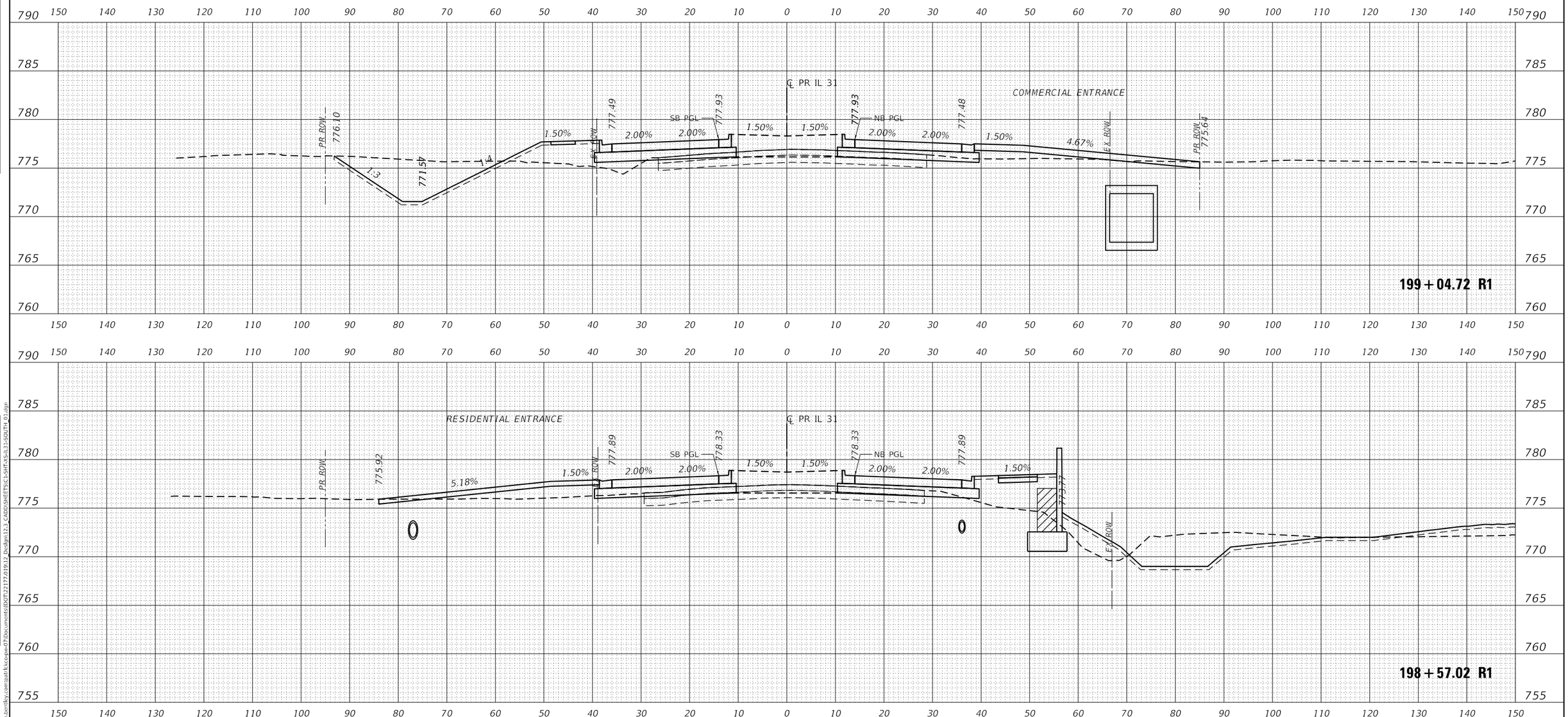

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 198+57.02 R1 TO STA. 199+04.72 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	728
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PATRICK a RJR company

MODEL: P_IL31_SOUTH
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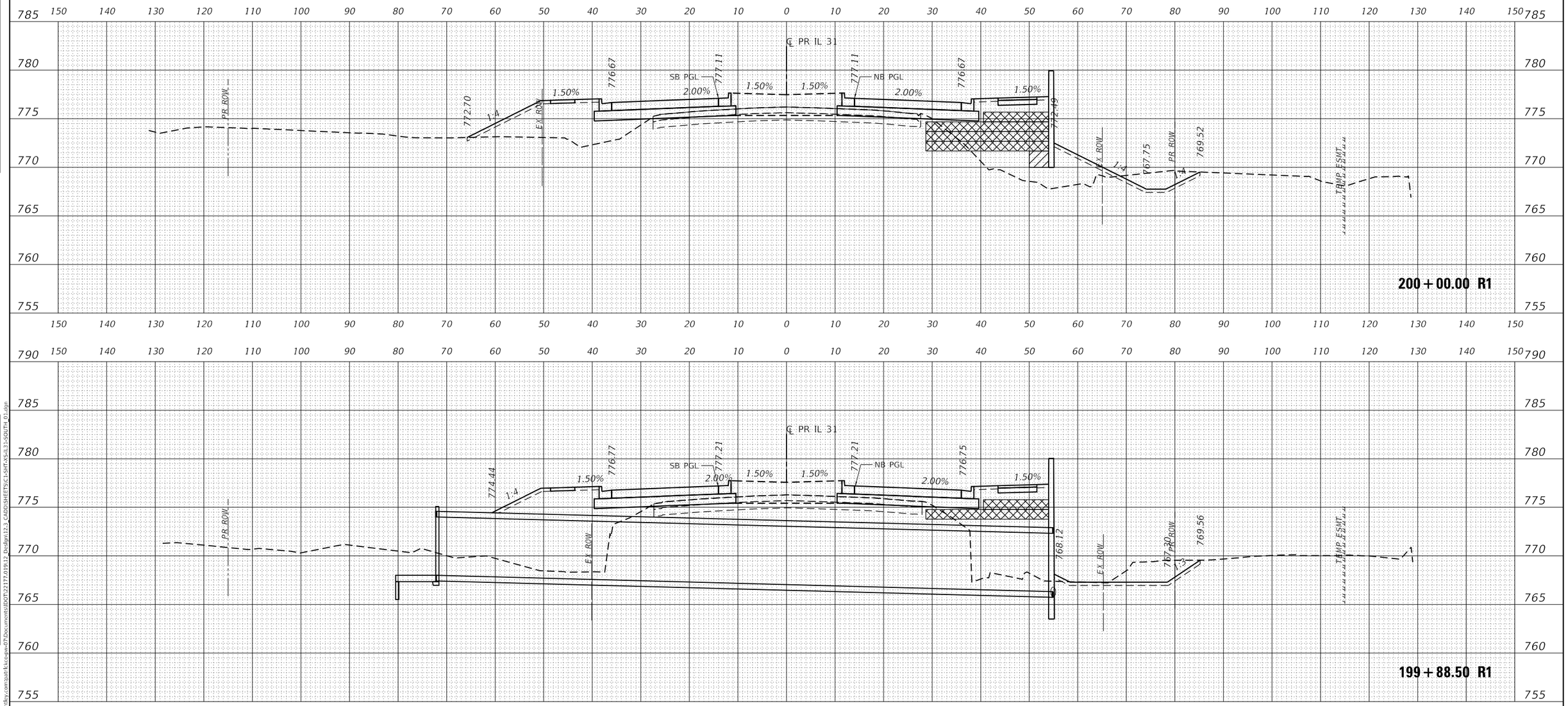


USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 199+88.50 R1 TO STA. 200+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	729

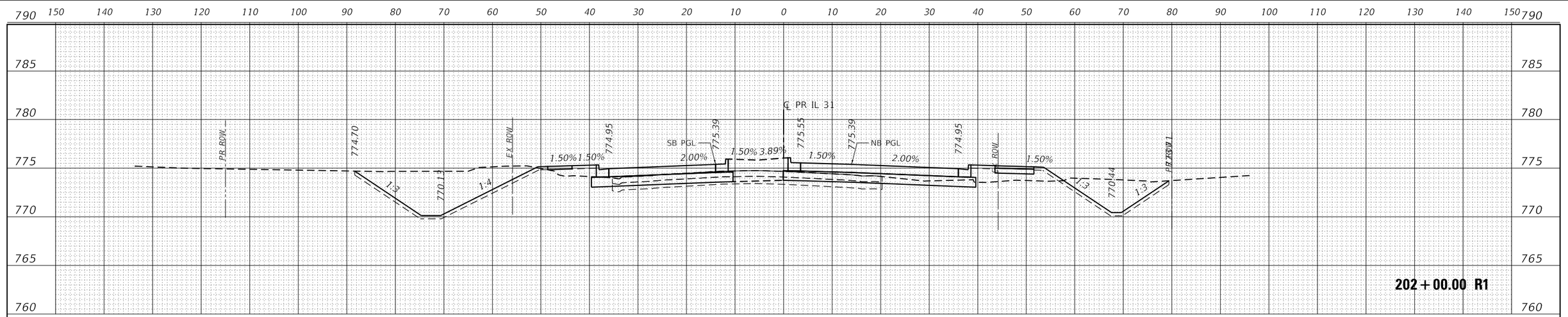
CONTRACT NO. 62K69

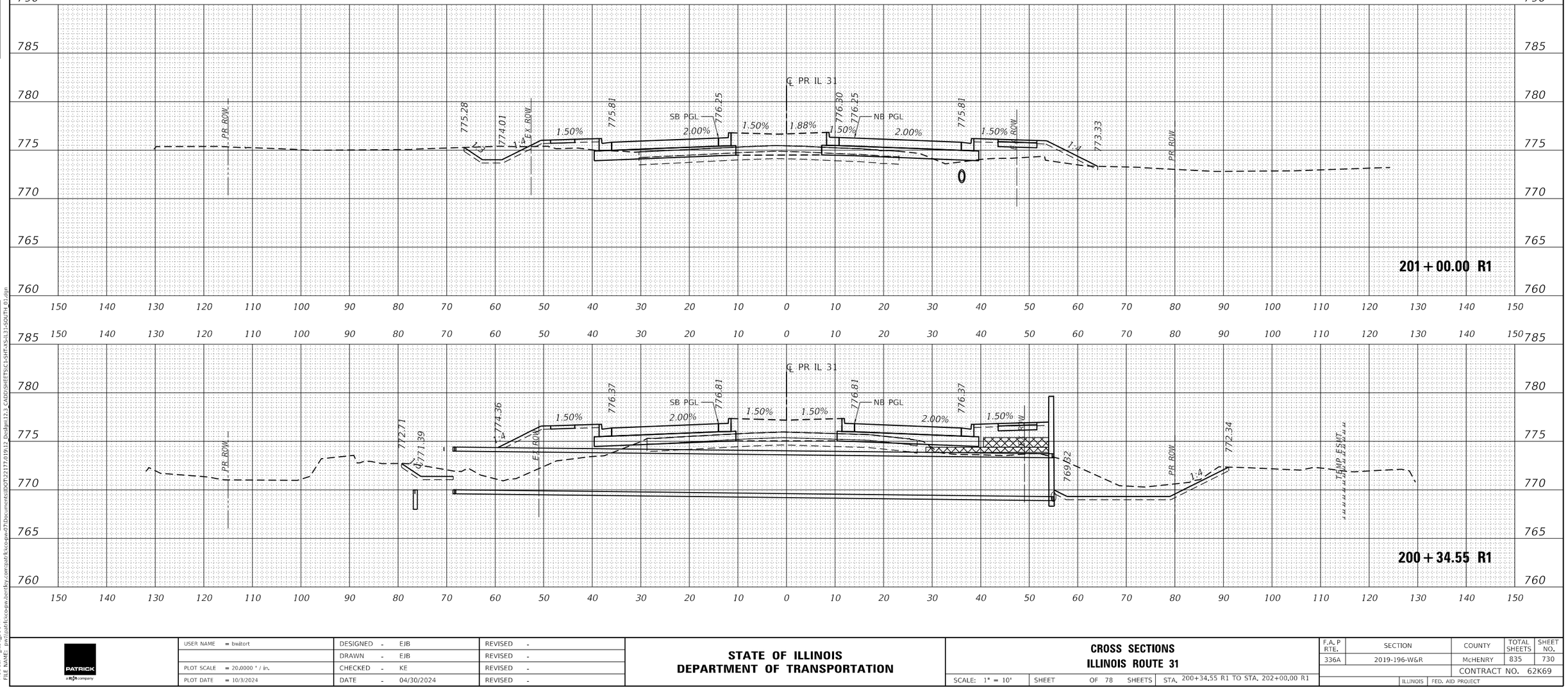
ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12 Design\12.3 CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_01.dgn





DATE
BY
SURVEYED
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TEMPLATE
AREAS
AREAS CHECKED
FINAL SURVEY
NOTE BOOK
NO.

ORIGINAL SURVEY

MODEL: PJI 31_SOUTH
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PATRICK a WSP company

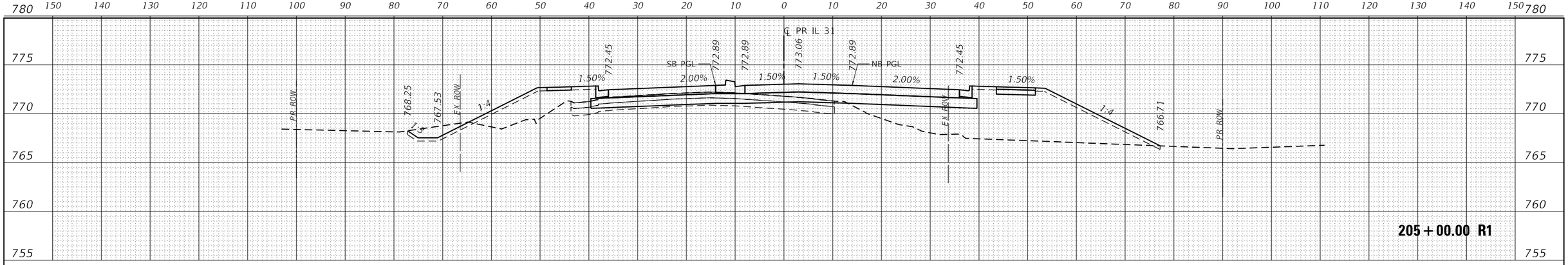
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

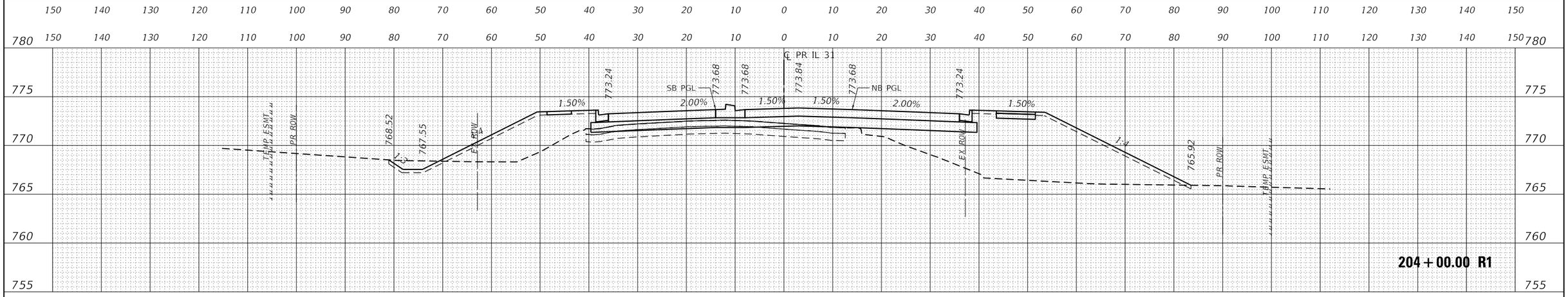
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

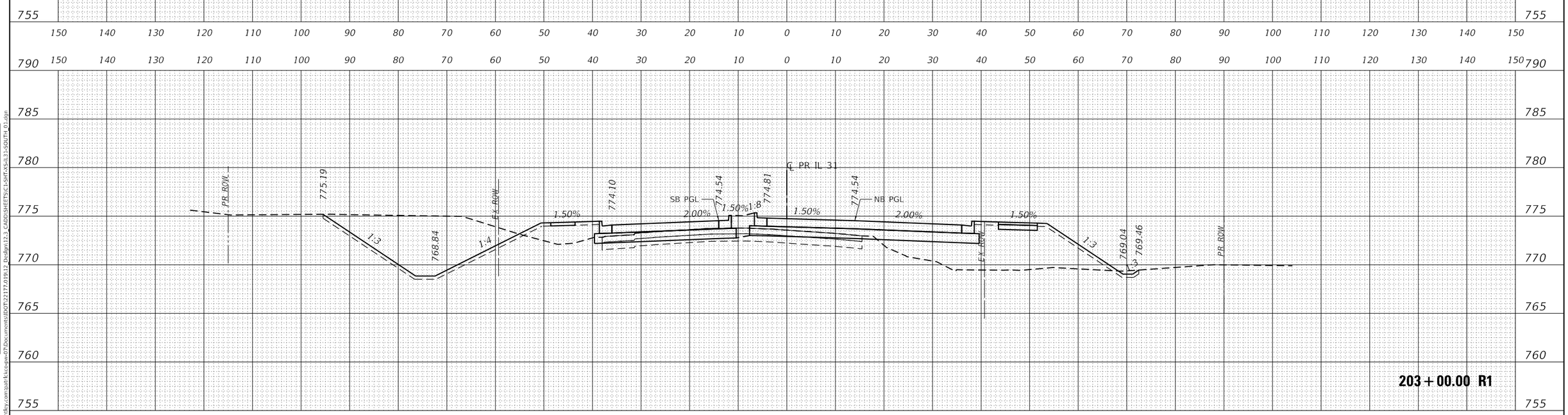
CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 200+34.55 R1 TO STA. 202+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	730
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	







USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 203+00.00 R1 TO STA. 205+00.00 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	731
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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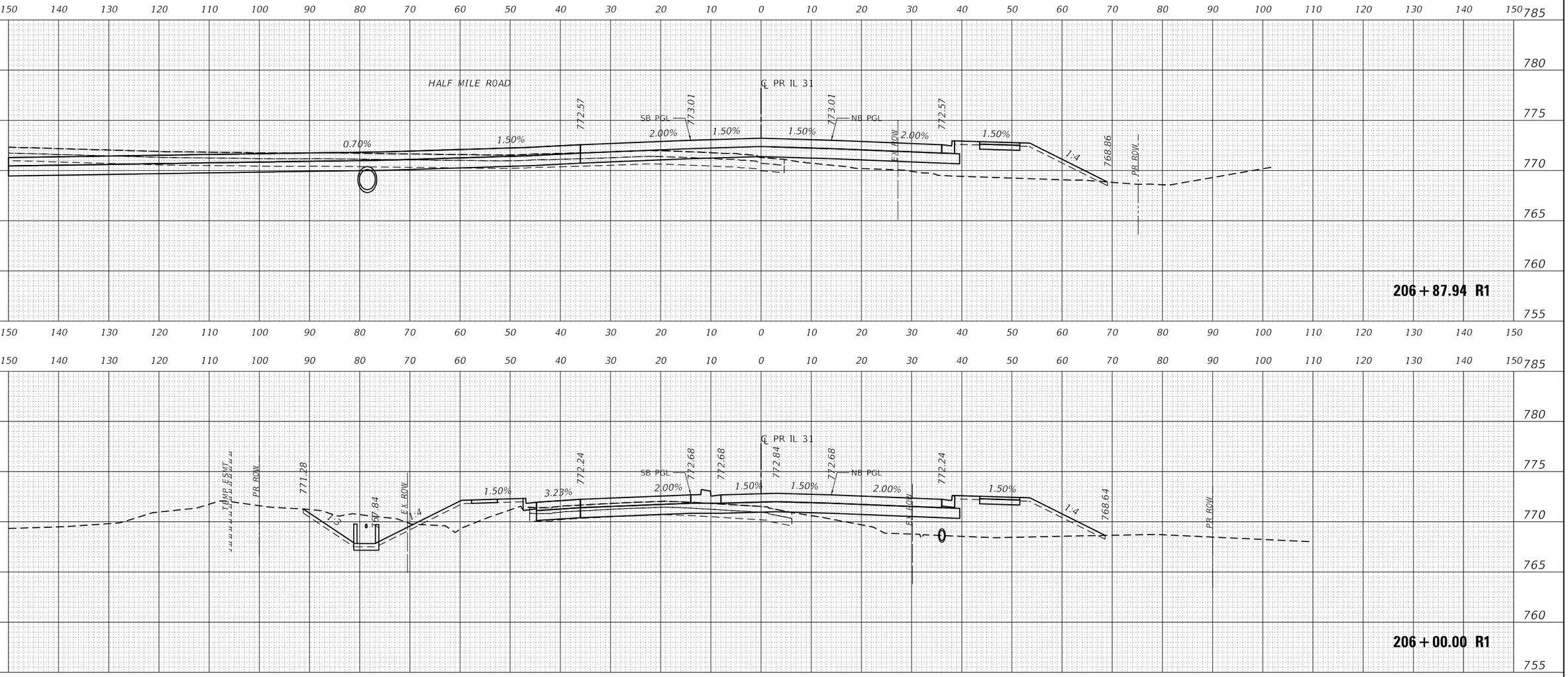

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 206+00.00 R1 TO STA. 206+87.94 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	732
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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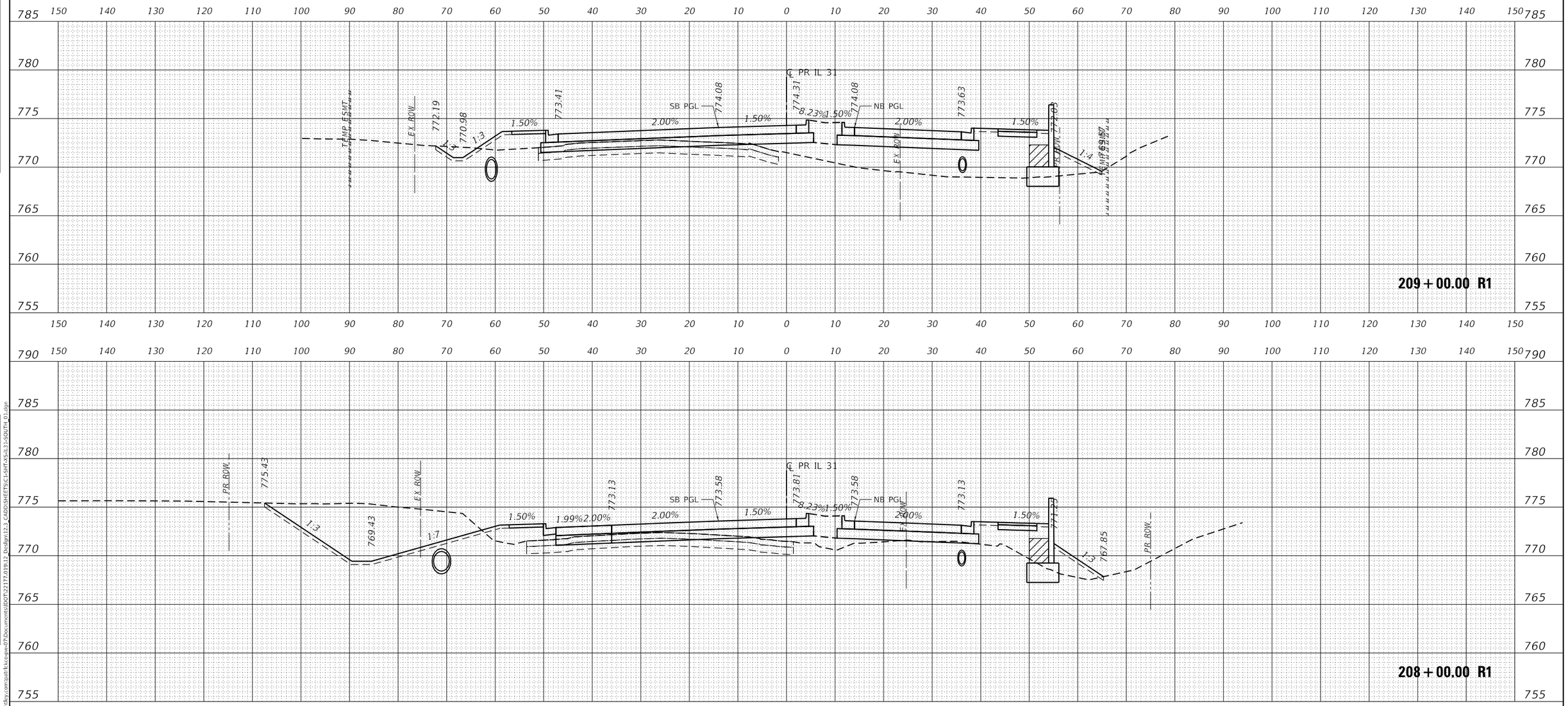

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 208+00.00 R1 TO STA. 209+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	733
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PATRICK a RJR company

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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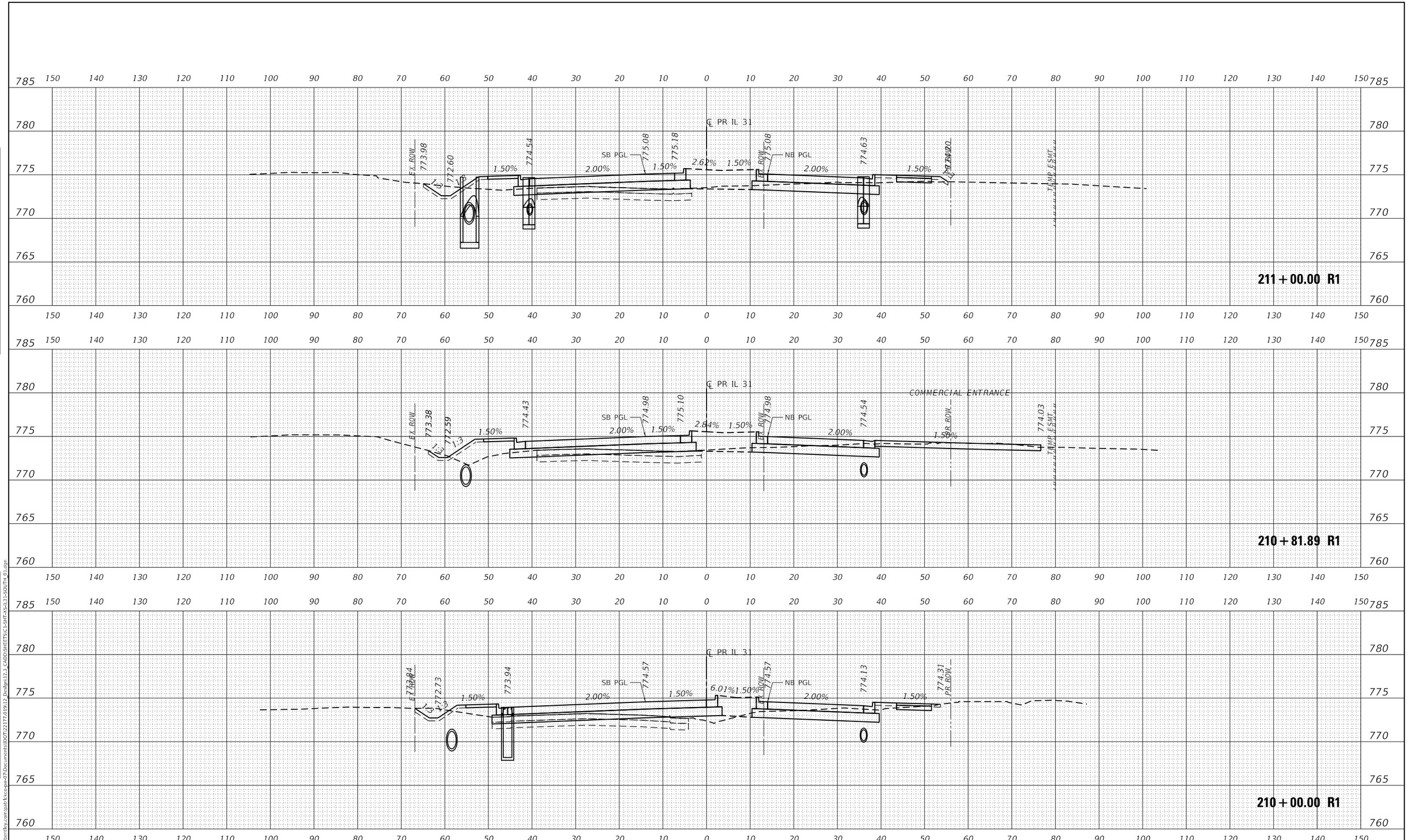

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 210+00.00 R1 TO STA. 211+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	734

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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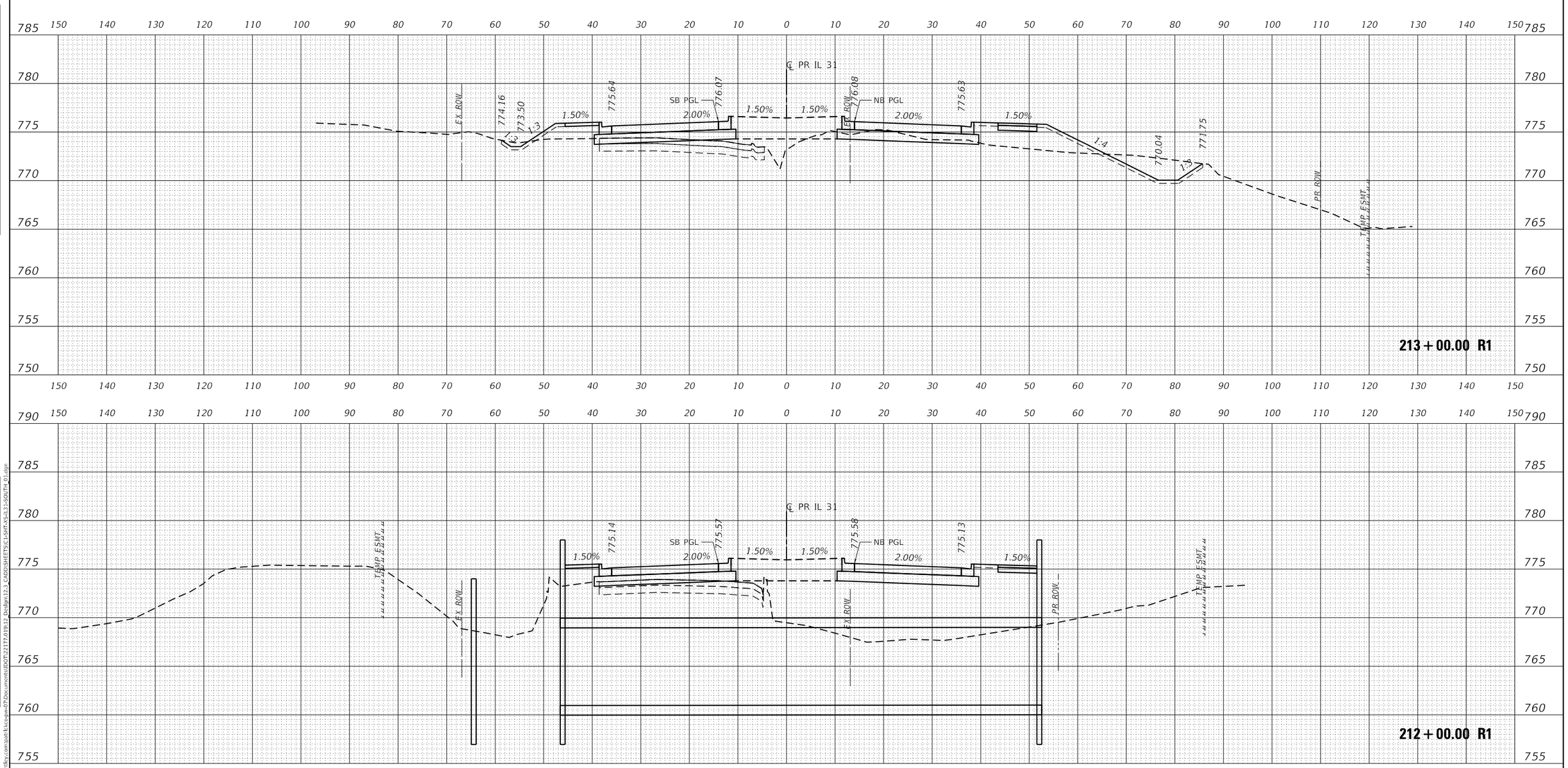

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	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 212+00.00 R1 TO STA. 213+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	735
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

DATE | BY | FINAL SURVEY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | NOTE BOOK | NO.

ORIGINAL SURVEY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | NOTE BOOK | NO.

MODEL: P_IL31_SOUTH
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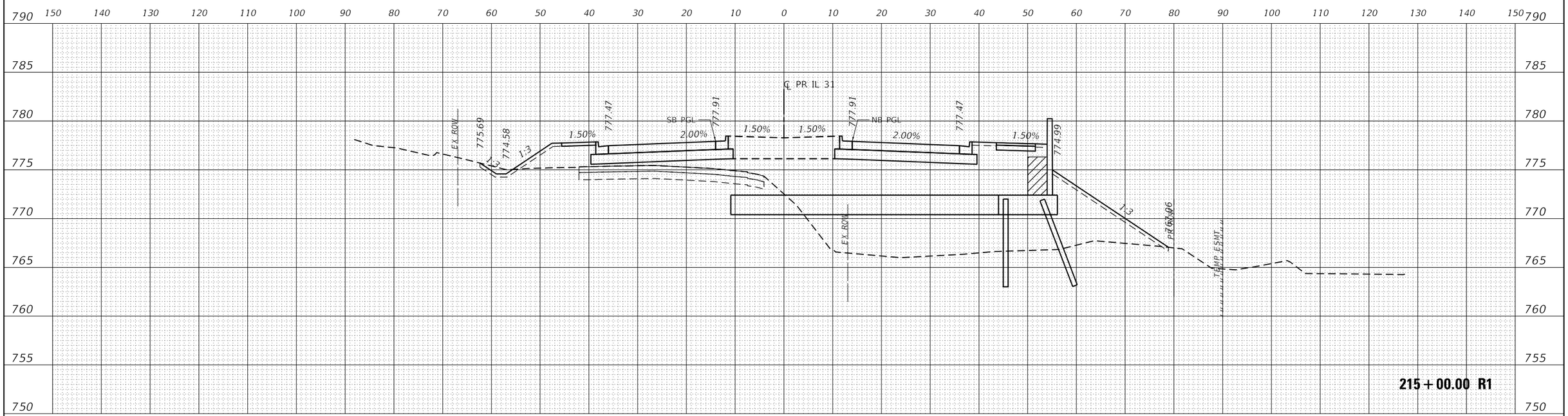

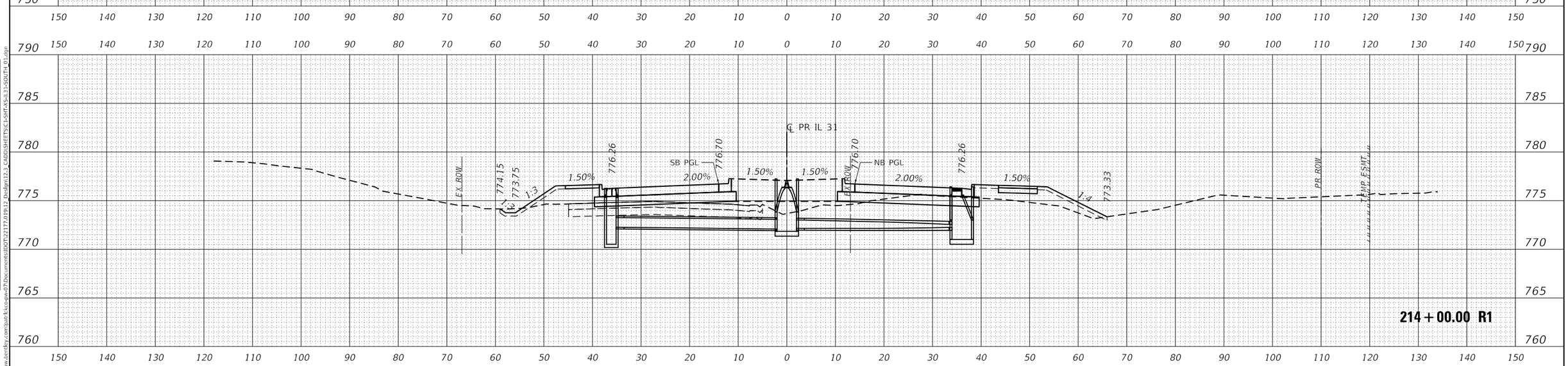

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 214+00.00 R1 TO STA. 215+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	736
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

MODEL: P_IL31_SOUTH
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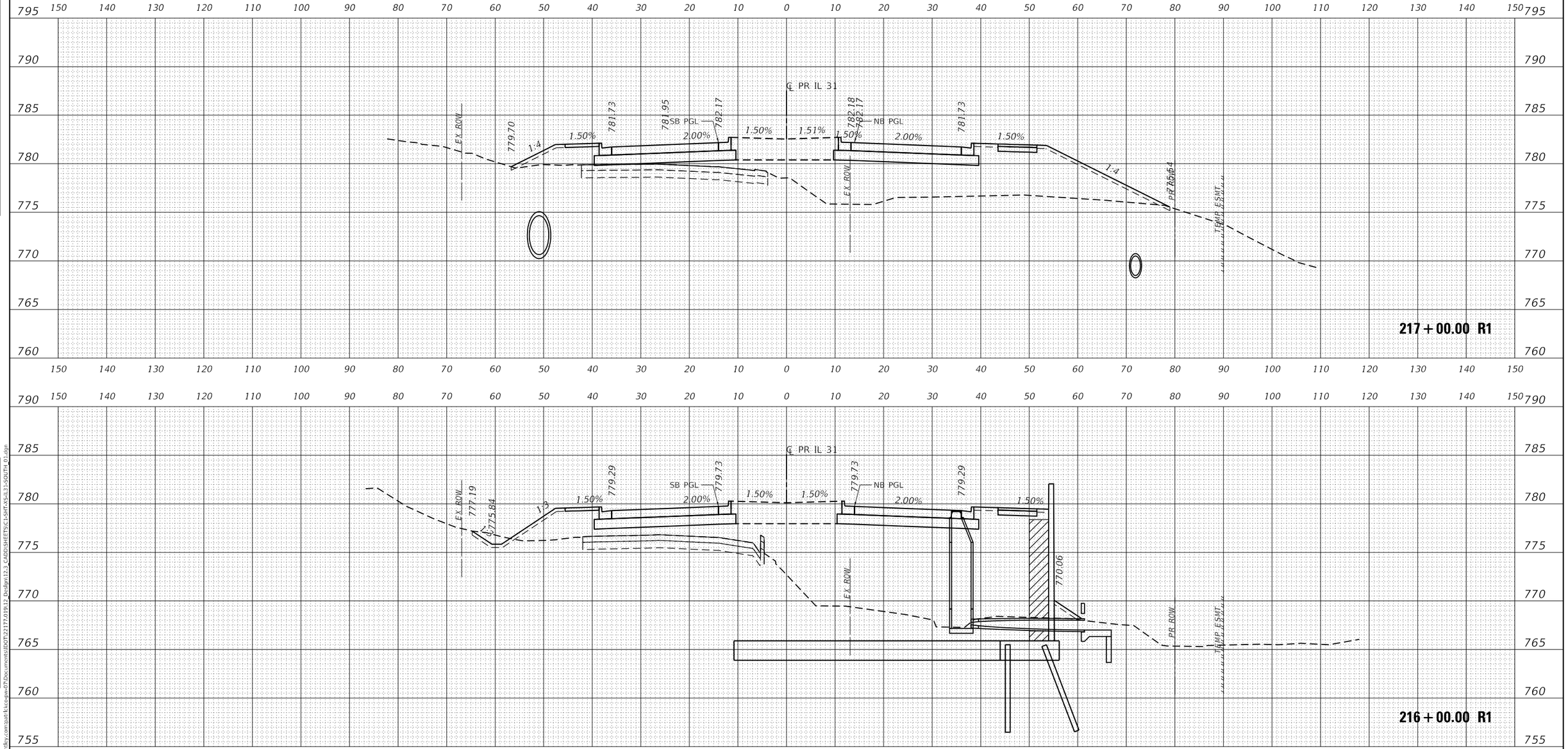

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET 52 OF 78 SHEETS | STA. 216+00.00 R1 TO STA. 217+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	737
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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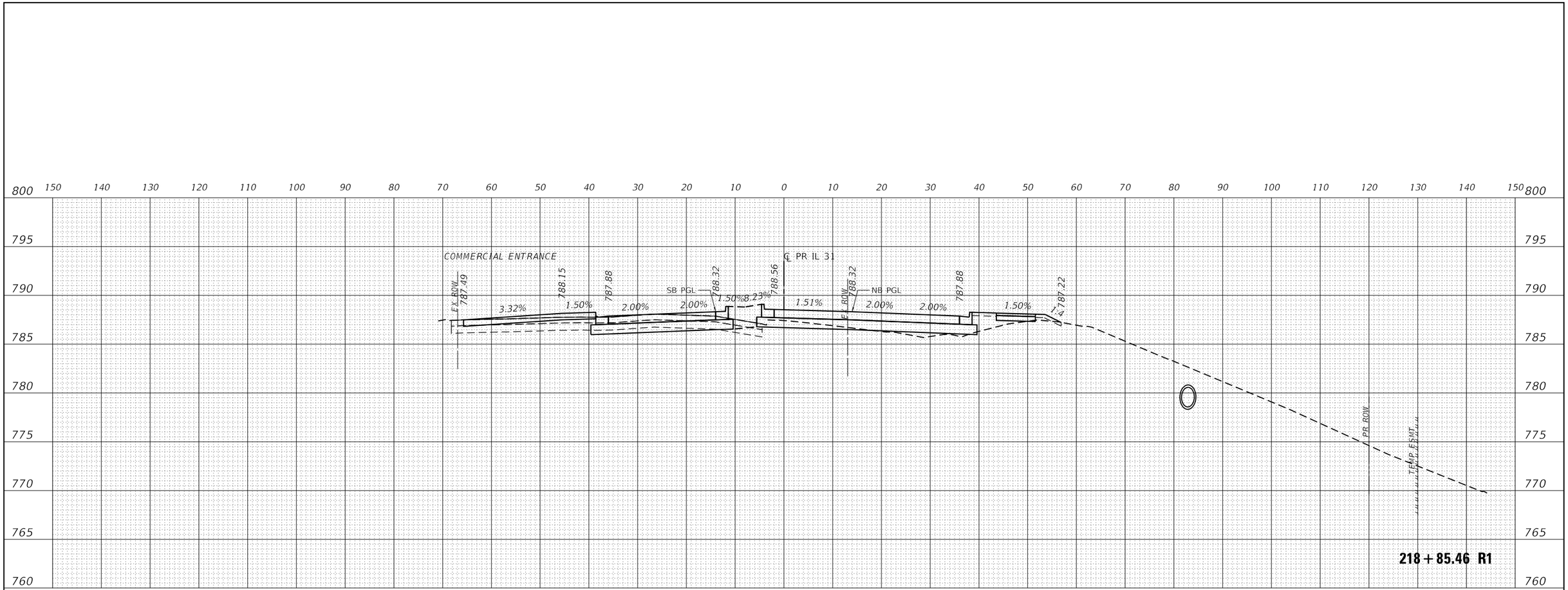
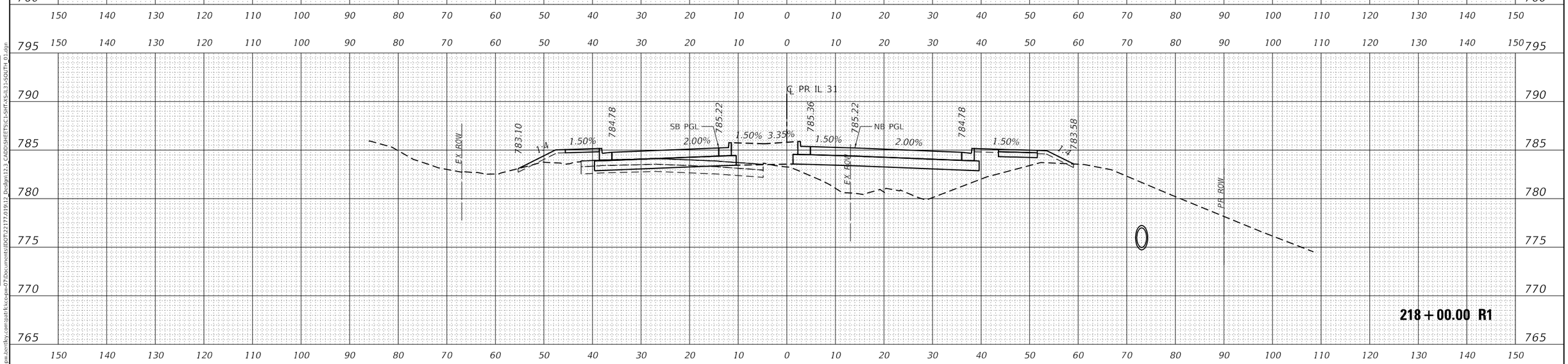




USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RIS company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET 53 OF 78 SHEETS | STA. 218+00.00 R1 TO STA. 218+85.46 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	738

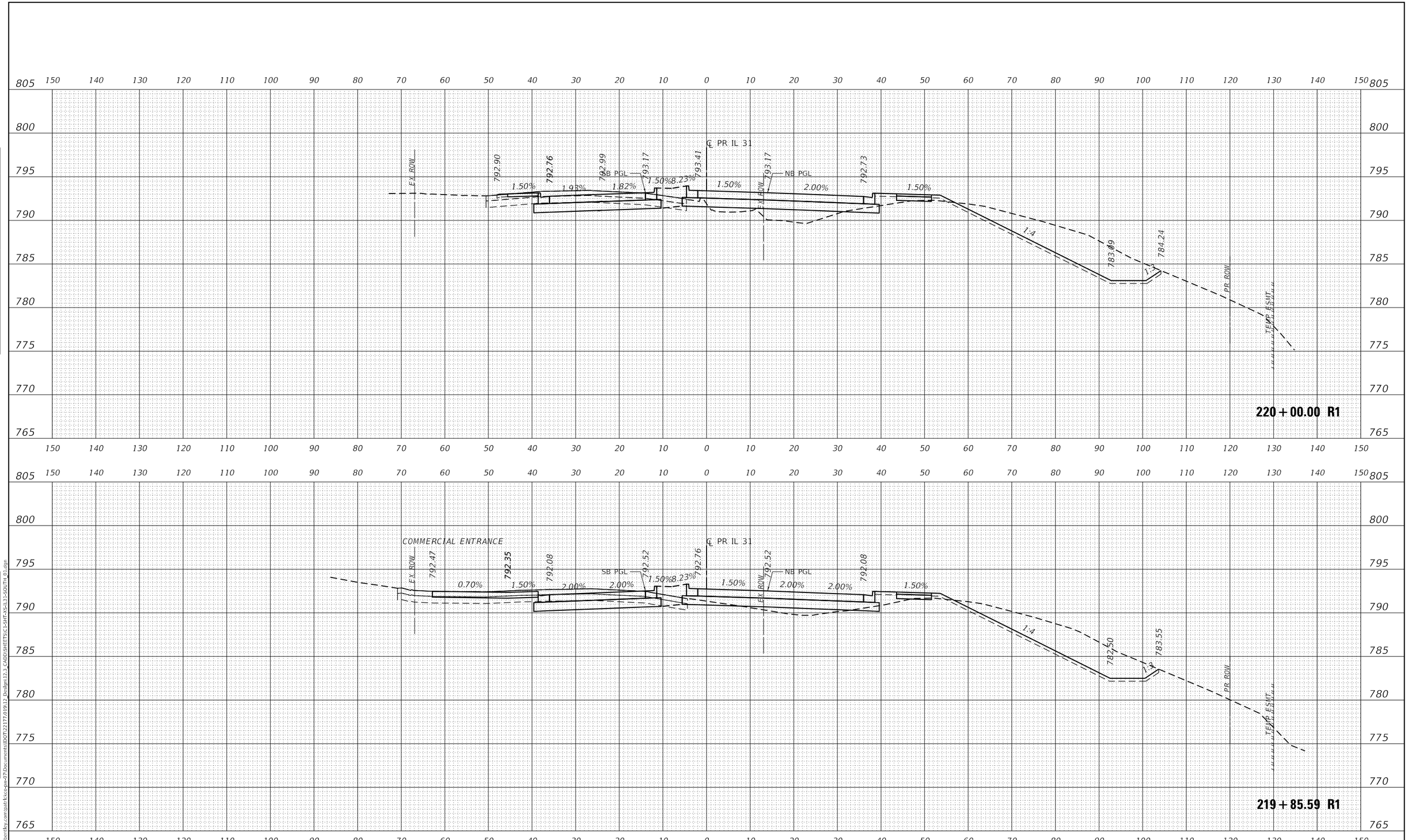
CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_01.dgn



FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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PATRICK a RIDER company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

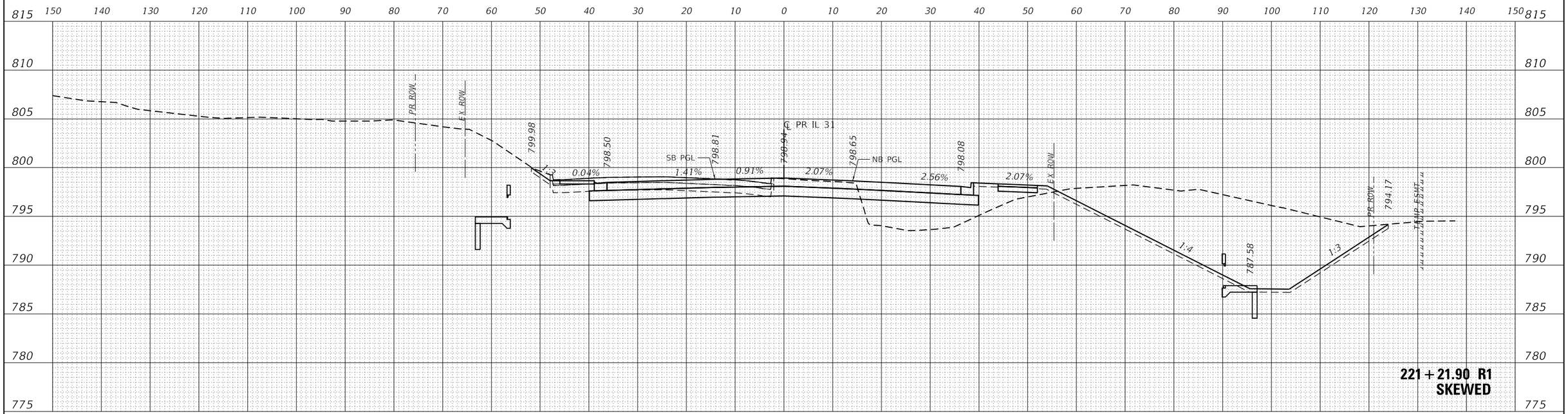
CROSS SECTIONS
ILLINOIS ROUTE 31

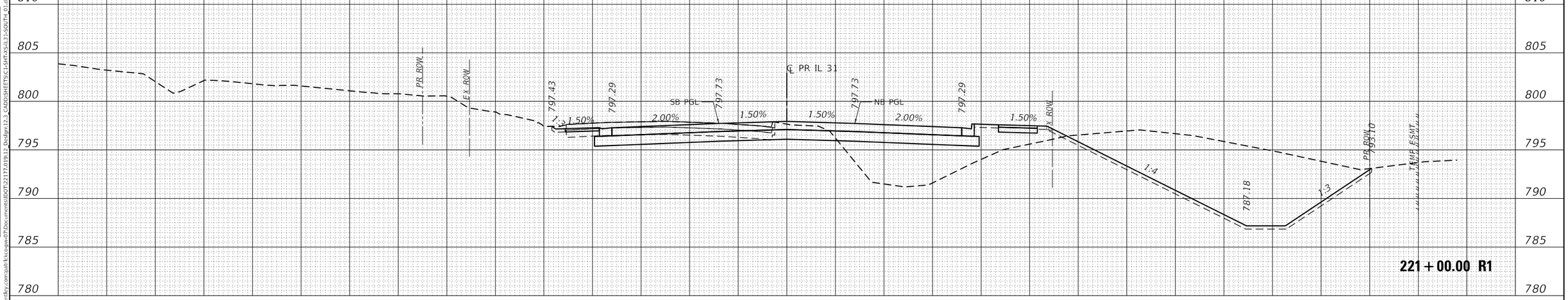
SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 219+85.59 R1 TO STA. 220+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	739

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT





USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 221+00.00 R1 TO STA. 221+21.90 R1
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	740
		CONTRACT NO. 62K69		
	ILLINOIS FED. AID PROJECT			

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | FINAL SURVEY | NOTE BOOK | NO.

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | DATE | BY

MODEL: P_IL31_SOUTH
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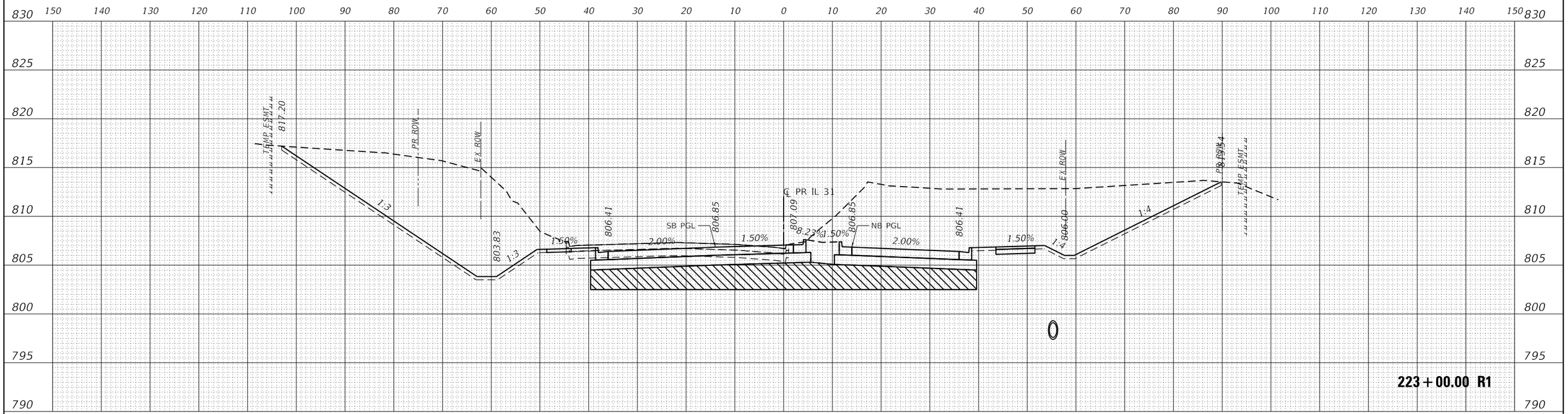

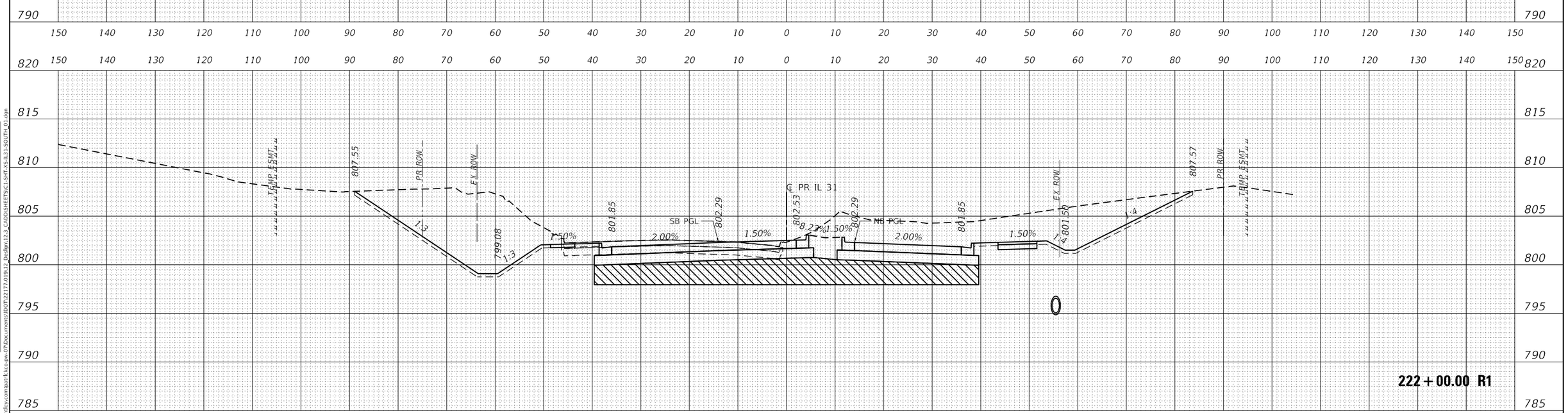

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 222+00.00 R1 TO STA. 223+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	741
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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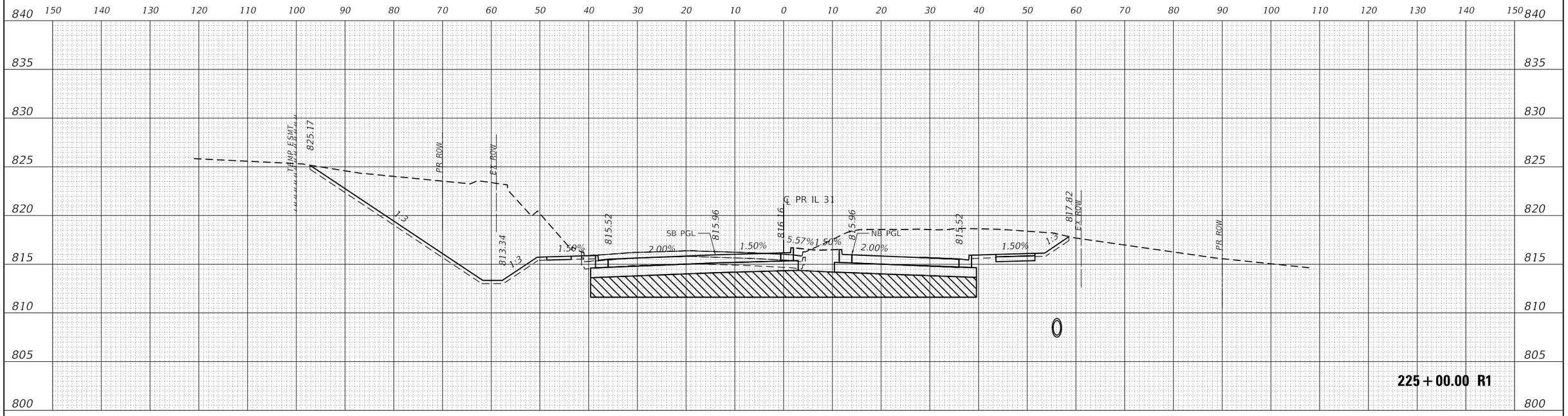

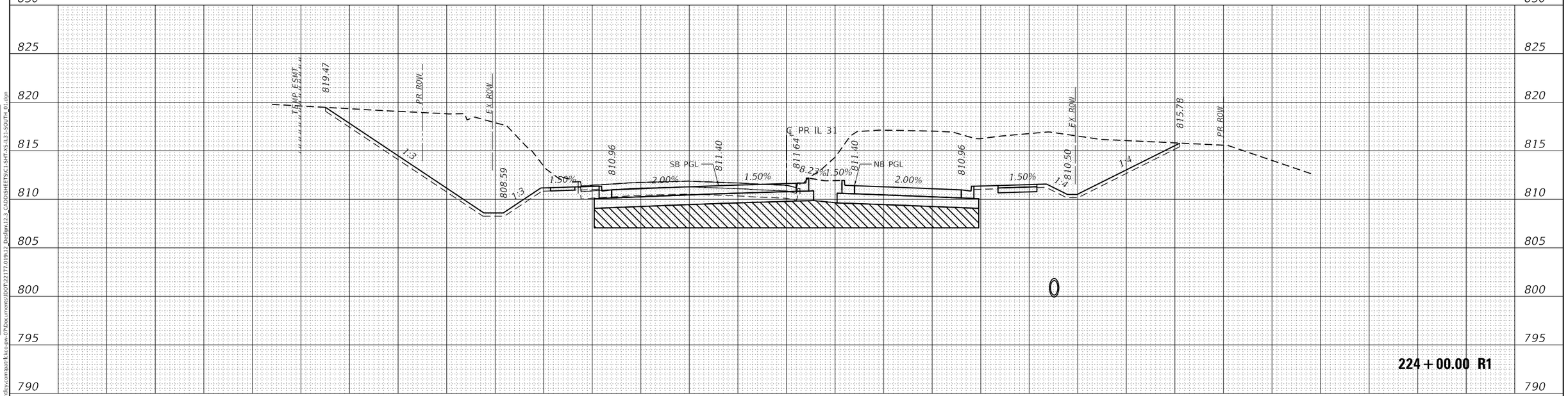

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 224+00.00 R1 TO STA. 225+00.00 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	742
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY / ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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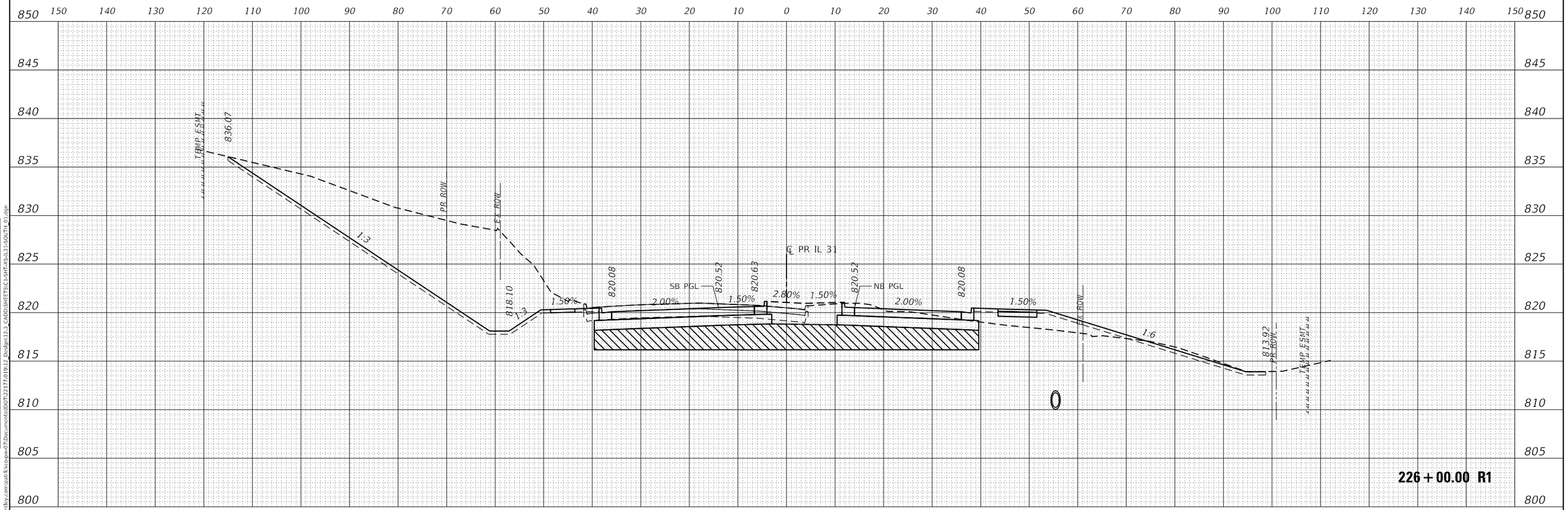
DATE	BY	
		SURVEYED
		PLOTTED
		TEMPLATE
		AREAS
		AREAS CHECKED

FINAL SURVEY

NOTE BOOK

NO.



DATE	BY	
		SURVEYED
		PLOTTED
		TEMPLATE
		AREAS
		AREAS CHECKED

ORIGINAL SURVEY

NOTE BOOK

NO.

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PATRICK a WSP company

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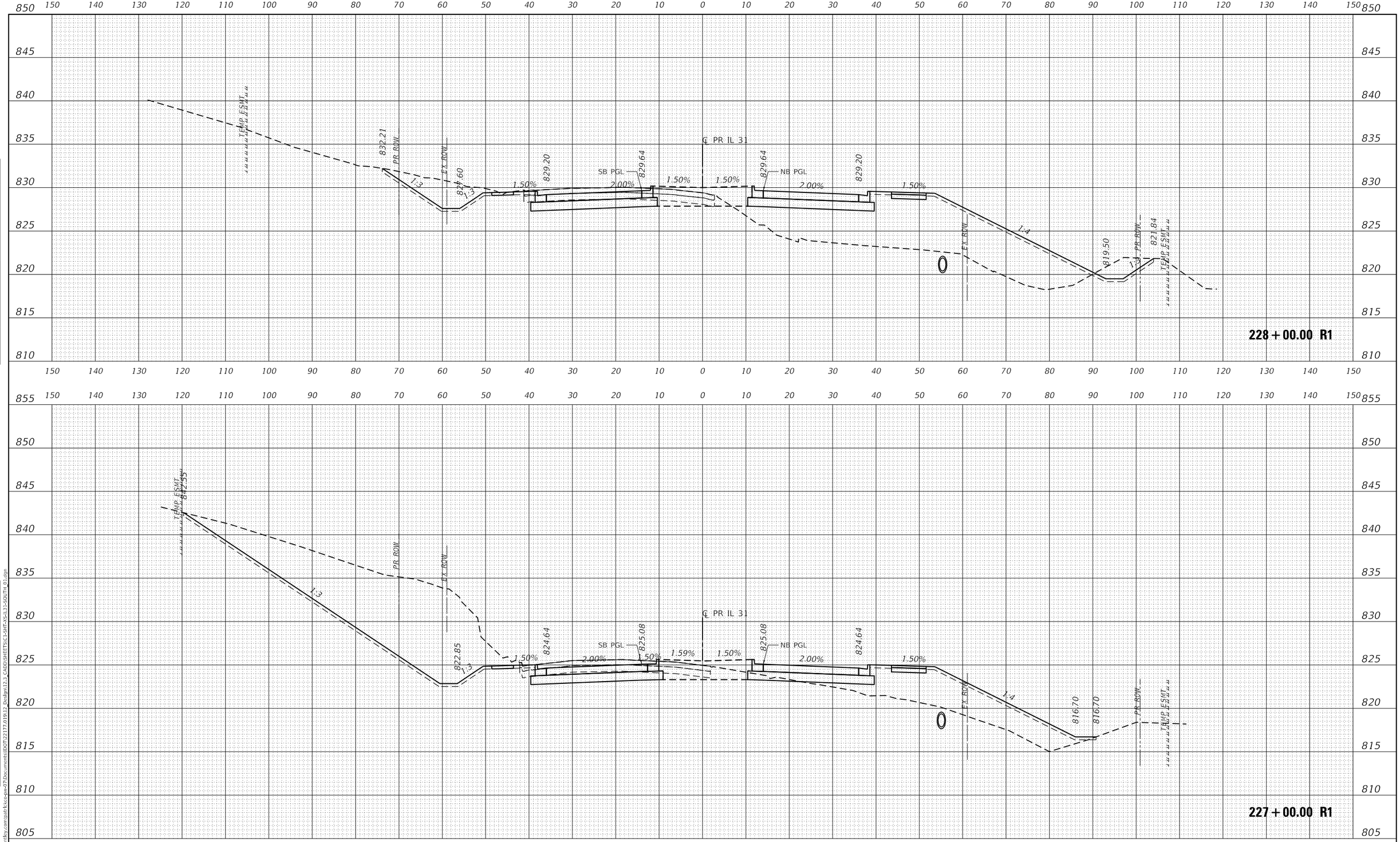
		DRAWN - EJB		REVISED -	
PLOT SCALE = 20.0000 ' / in.		CHECKED - KE		REVISED -	
PLOT DATE = 10/3/2024		DATE - 04/30/2024		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 226+00.00 R1 TO STA. 226+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	743
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



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PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 227+00.00 R1 TO STA. 228+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	744
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY / FINAL SURVEY
NOTE BOOK NO.
SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED
DATE / BY

MODEL: PJI 31_SOUTH
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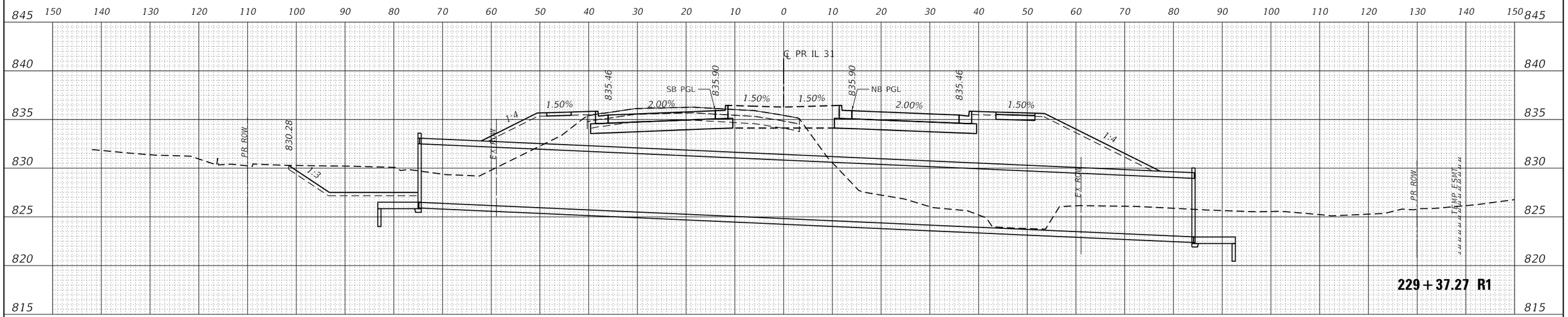

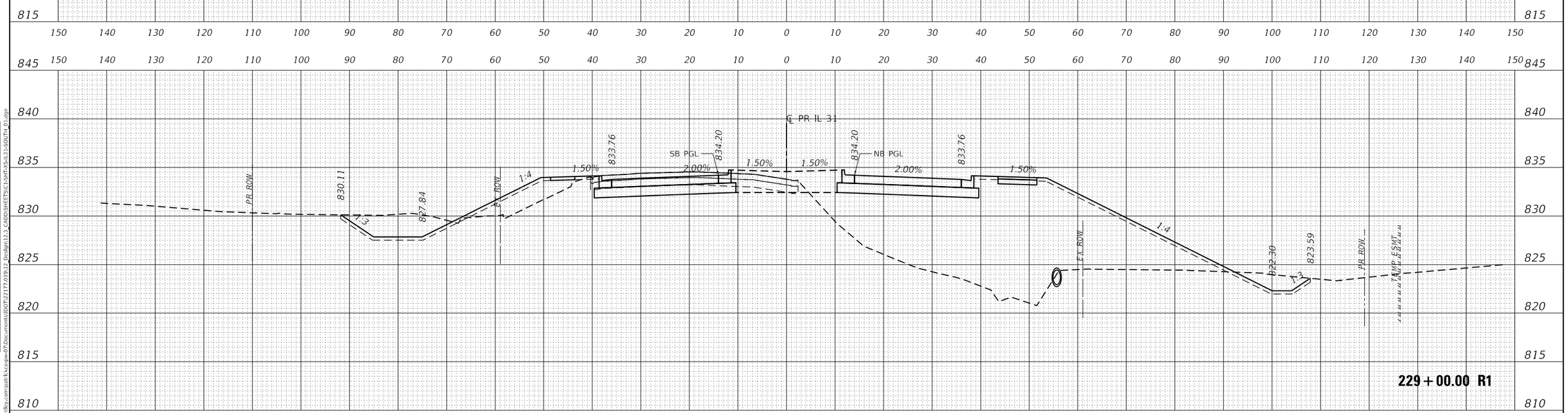

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10'	SHEET OF 78 SHEETS STA. 229+00.00 R1 TO STA. 229+37.27 R1
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	745
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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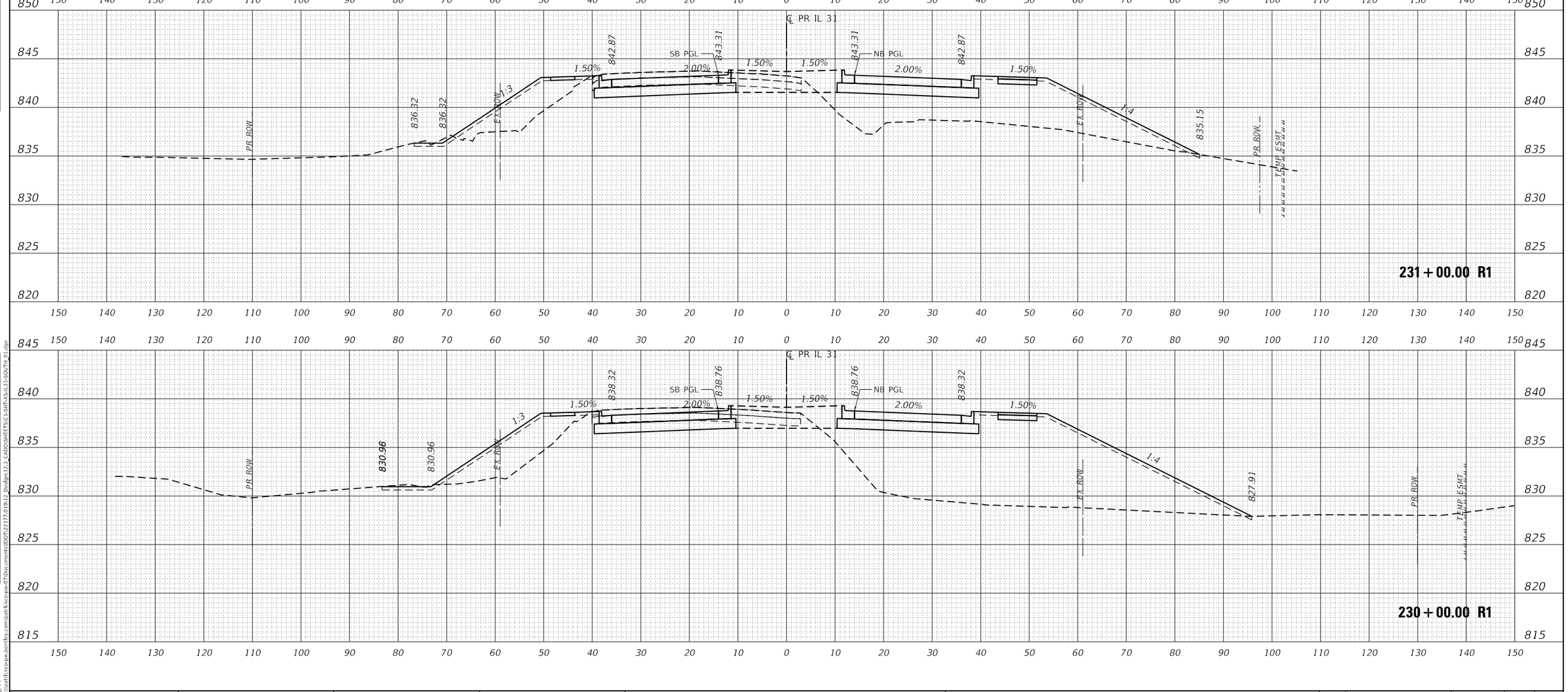

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 230+00.00 R1 TO STA. 231+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	746
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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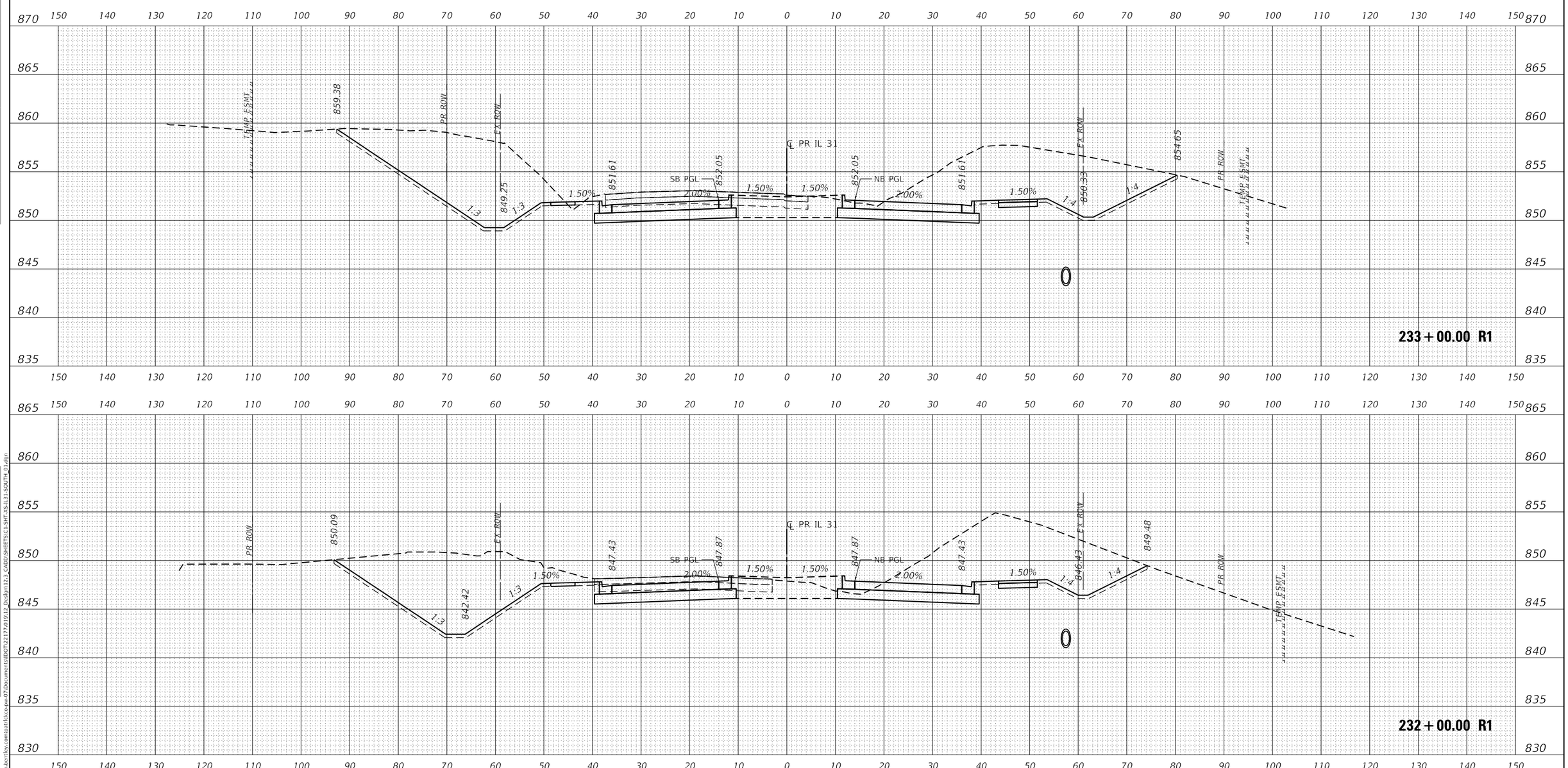

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 232+00.00 R1 TO STA. 233+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	747
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY: NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY: NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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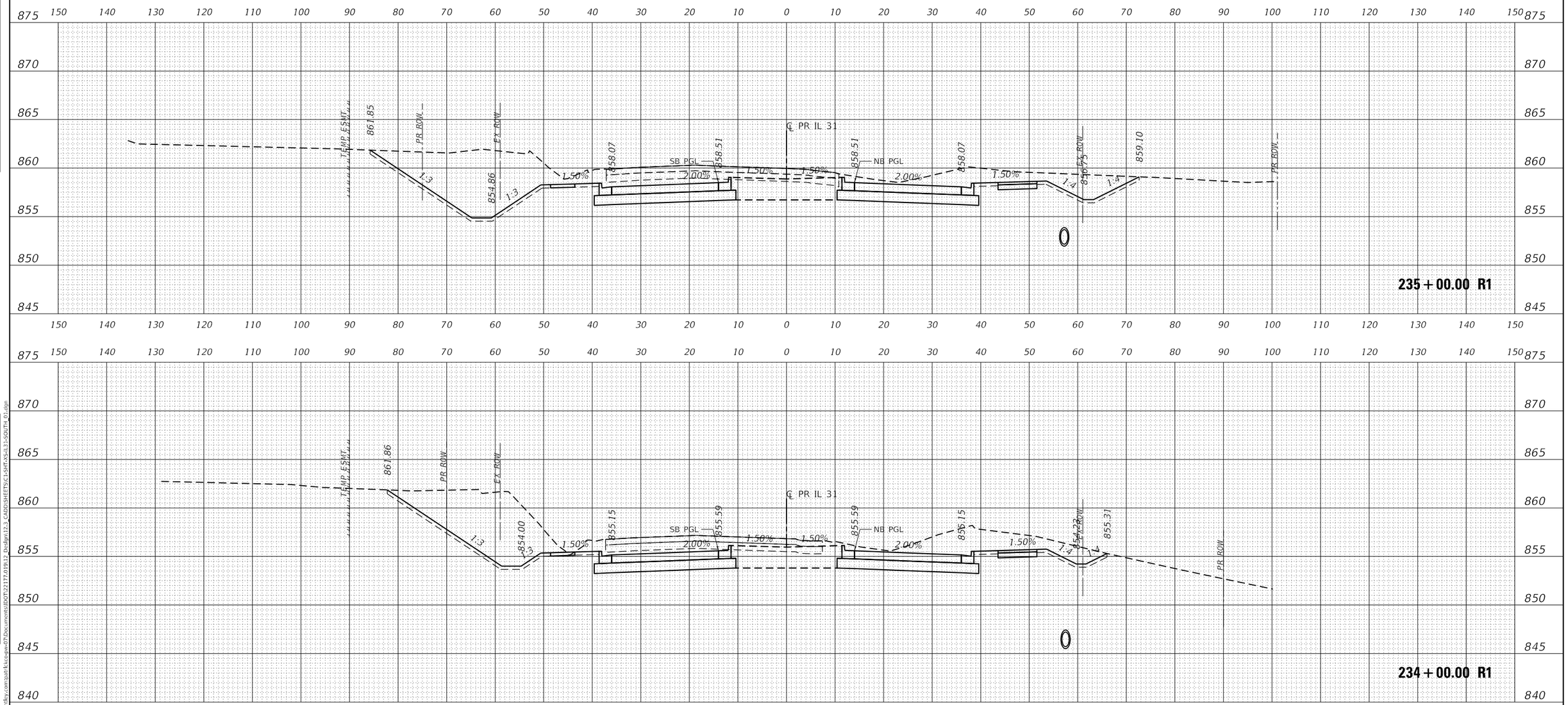

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: P_IL31_SOUTH
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PATRICK a RIEN company

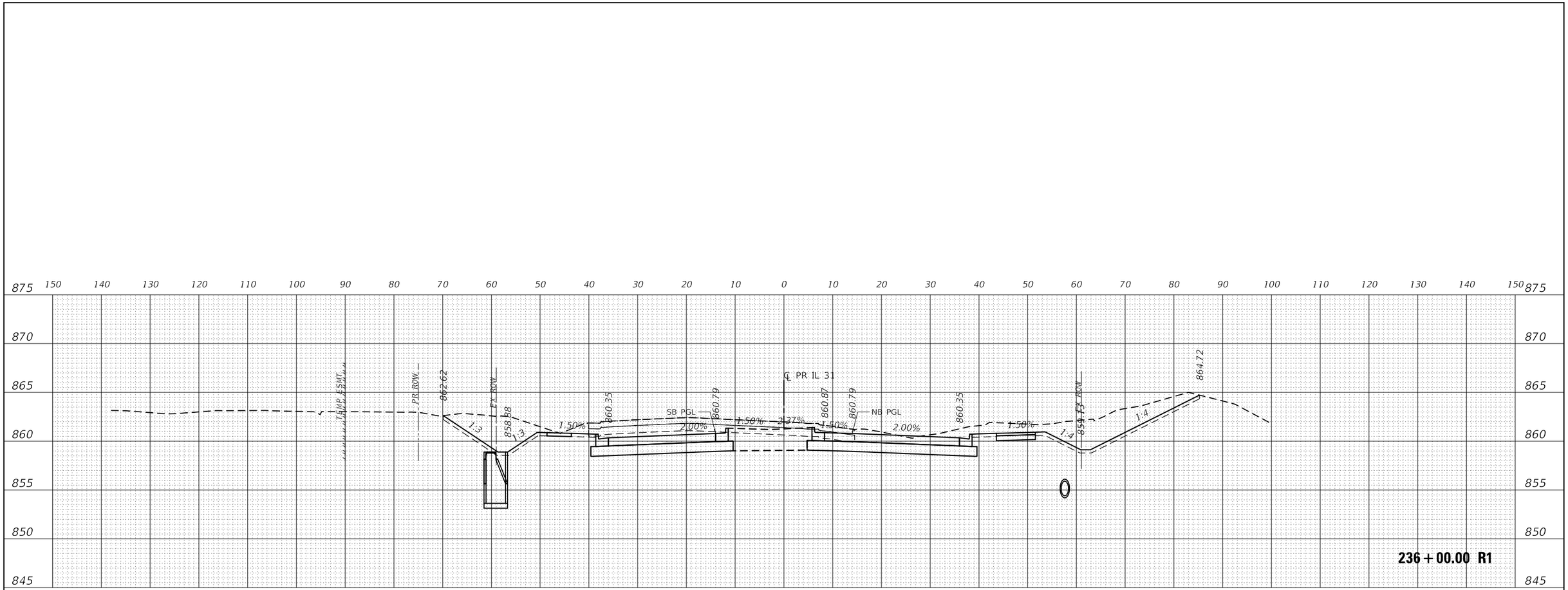
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

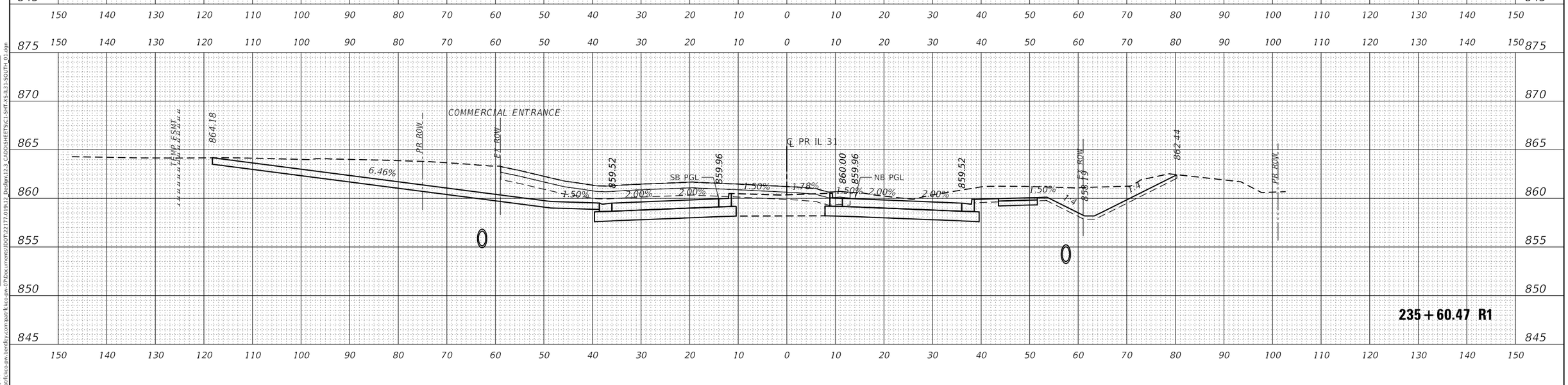
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 234+00.00 R1 TO STA. 235+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	748
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10'	SHEET OF 78 SHEETS STA. 235+60.47 R1 TO STA. 236+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	749
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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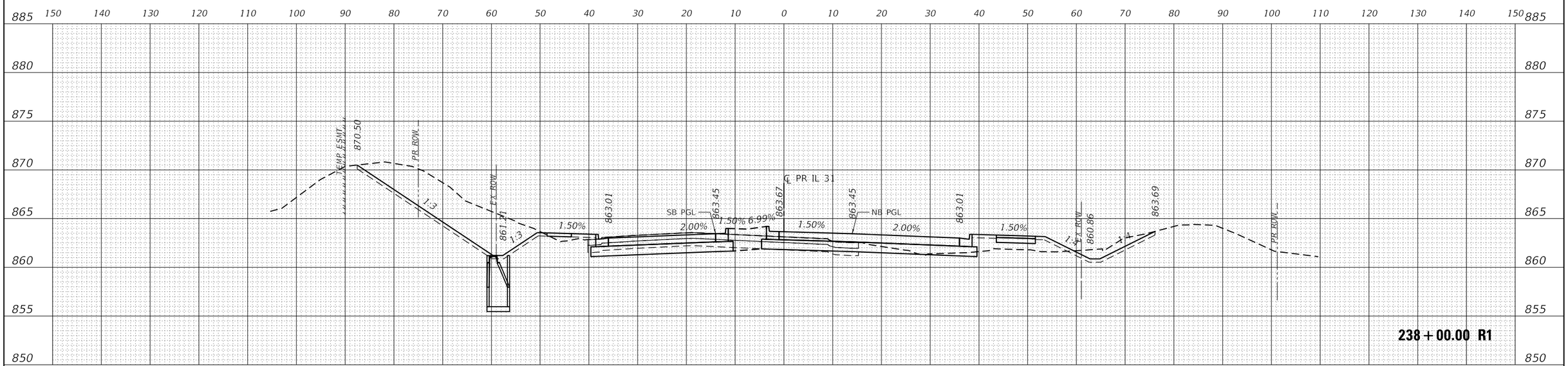

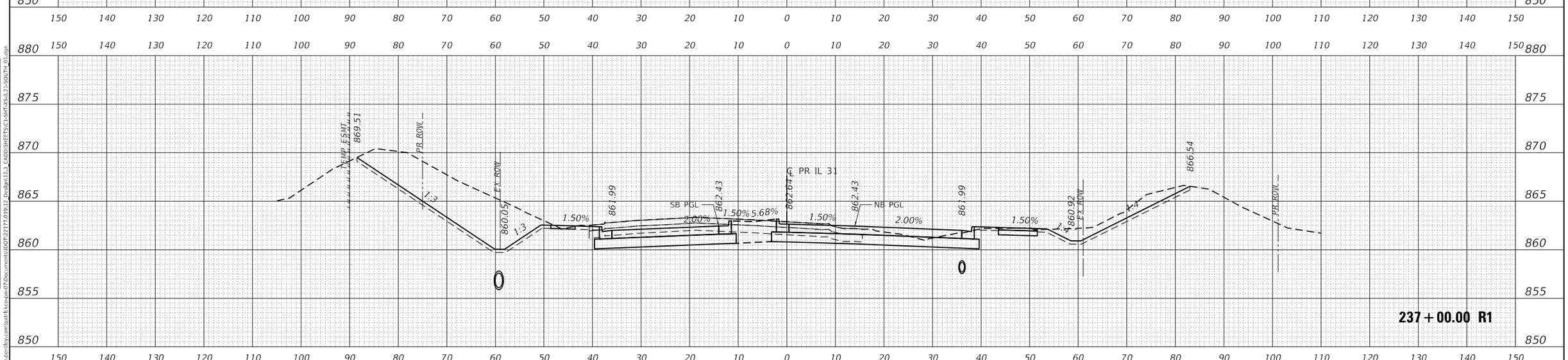

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	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RSR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 237+00.00 R1 TO STA. 238+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	750
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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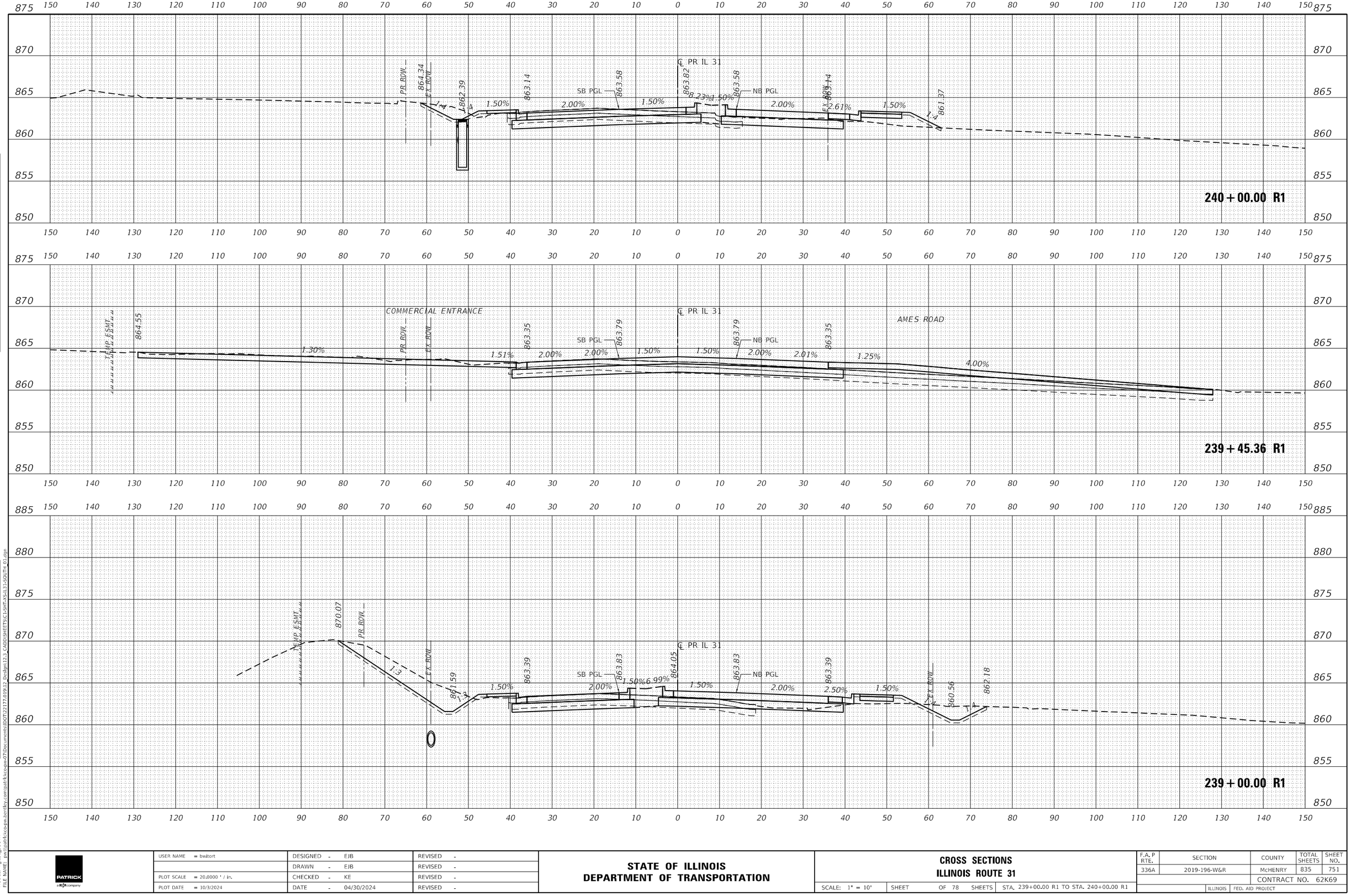

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 239+00.00 R1 TO STA. 240+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	751
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | FINAL SURVEY | NOTE BOOK | NO.

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | ORIGINAL SURVEY | NOTE BOOK | NO.

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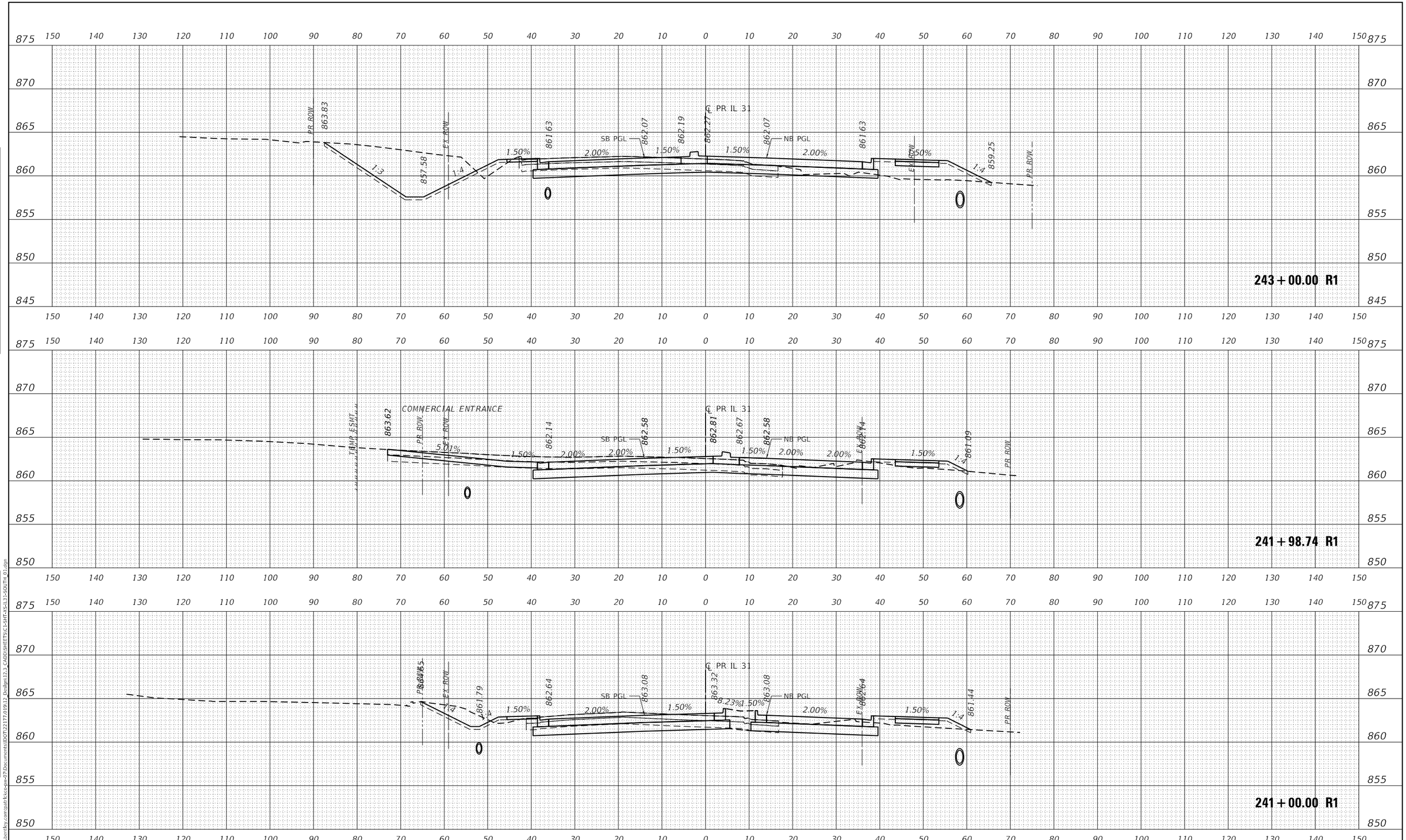

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RSR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 241+00.00 R1 TO STA. 243+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	752
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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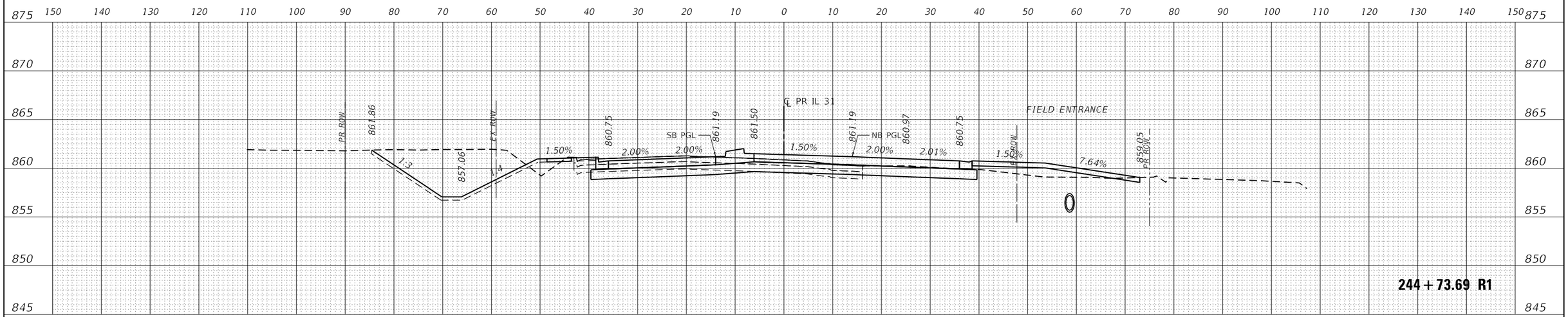

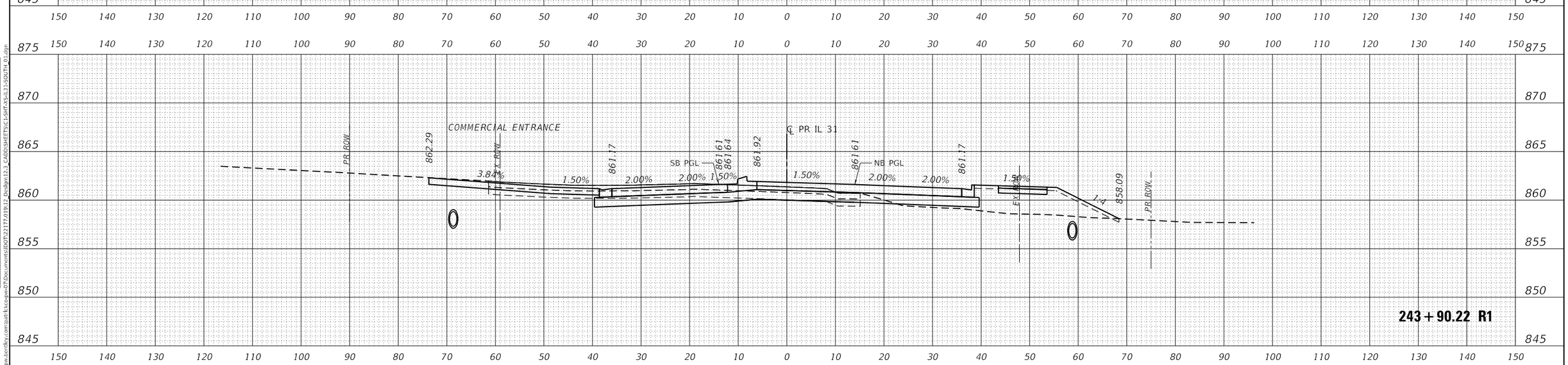

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 243+90.22 R1 TO STA. 244+73.69 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	753
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

MODEL: P_IL31_SOUTH
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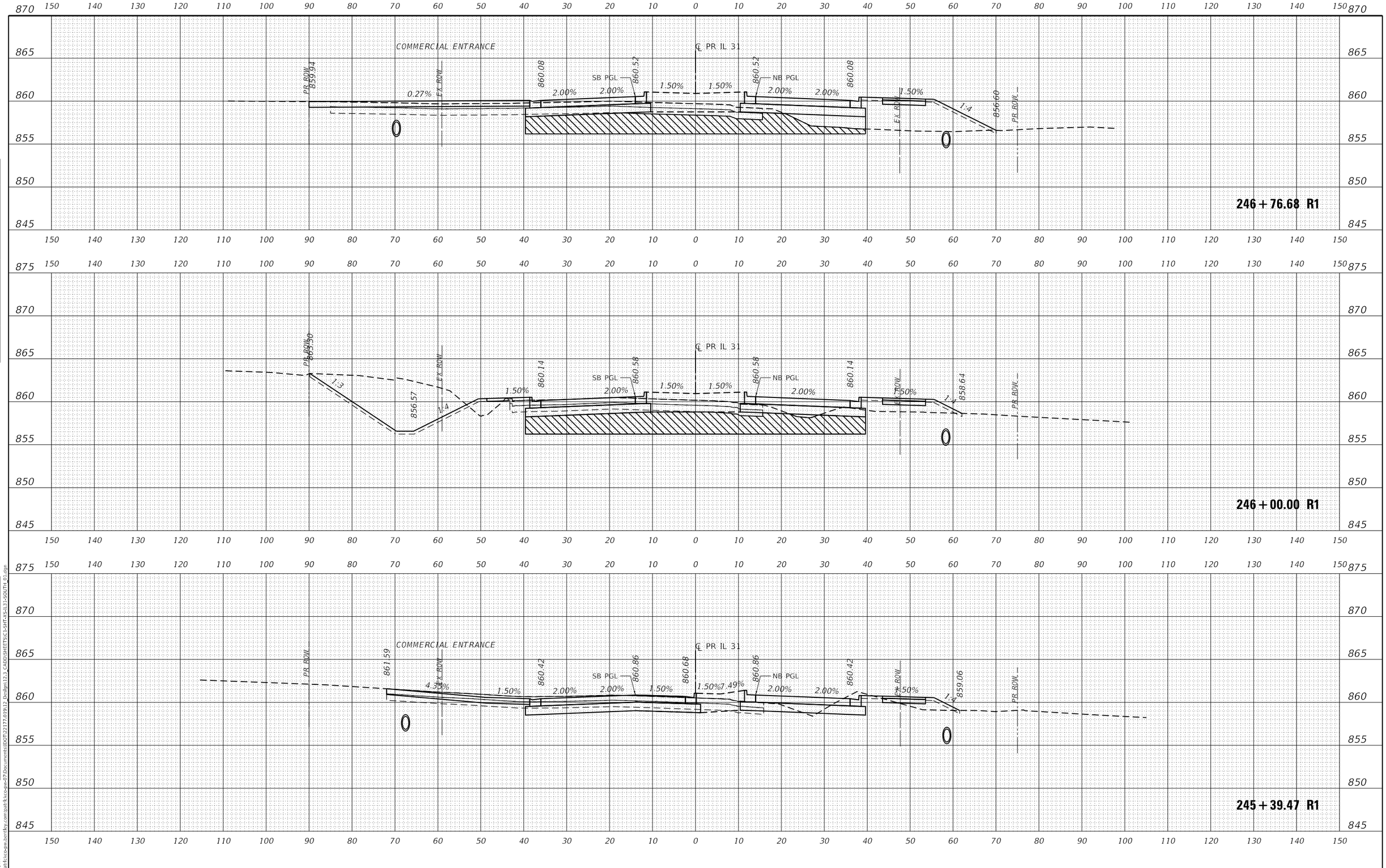

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 245+39.47 R1 TO STA. 246+76.68 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	754
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY: NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY: NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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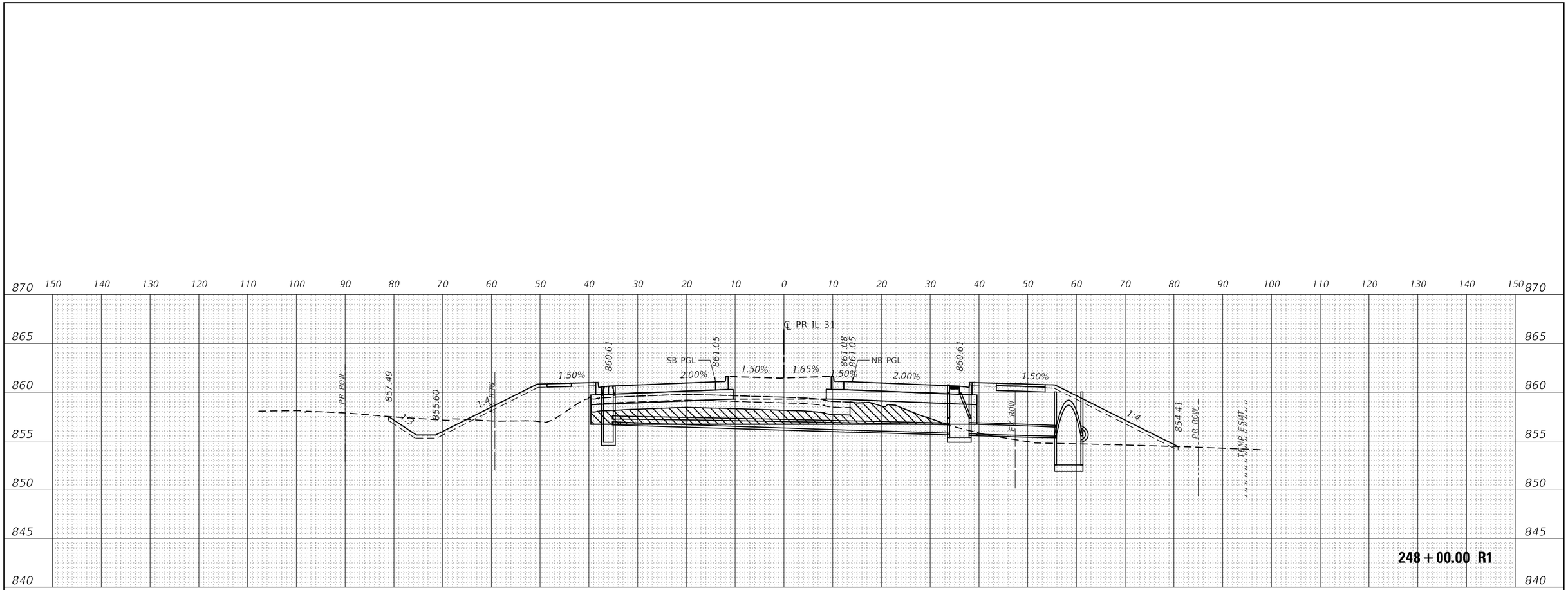
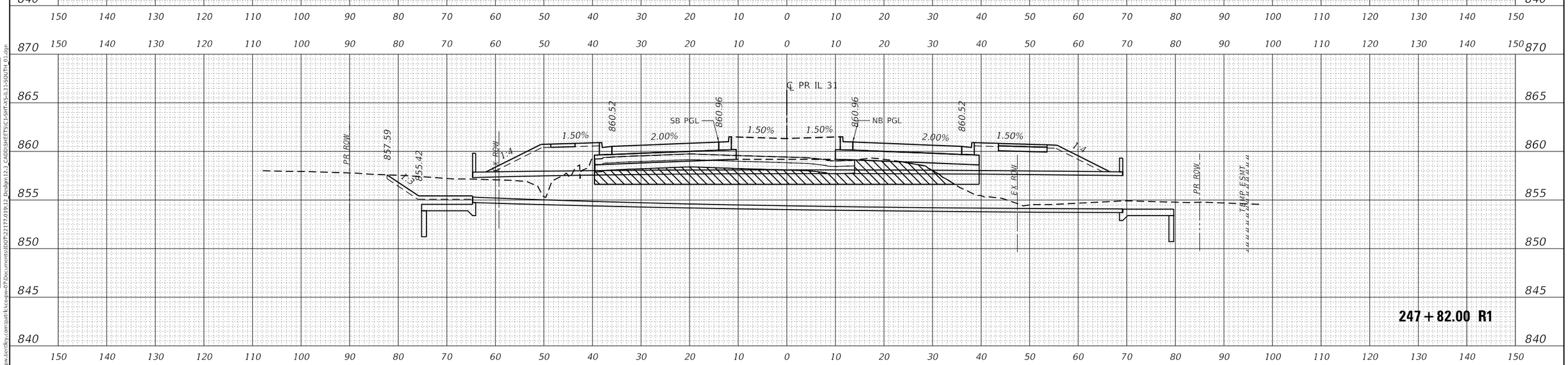




USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RSR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

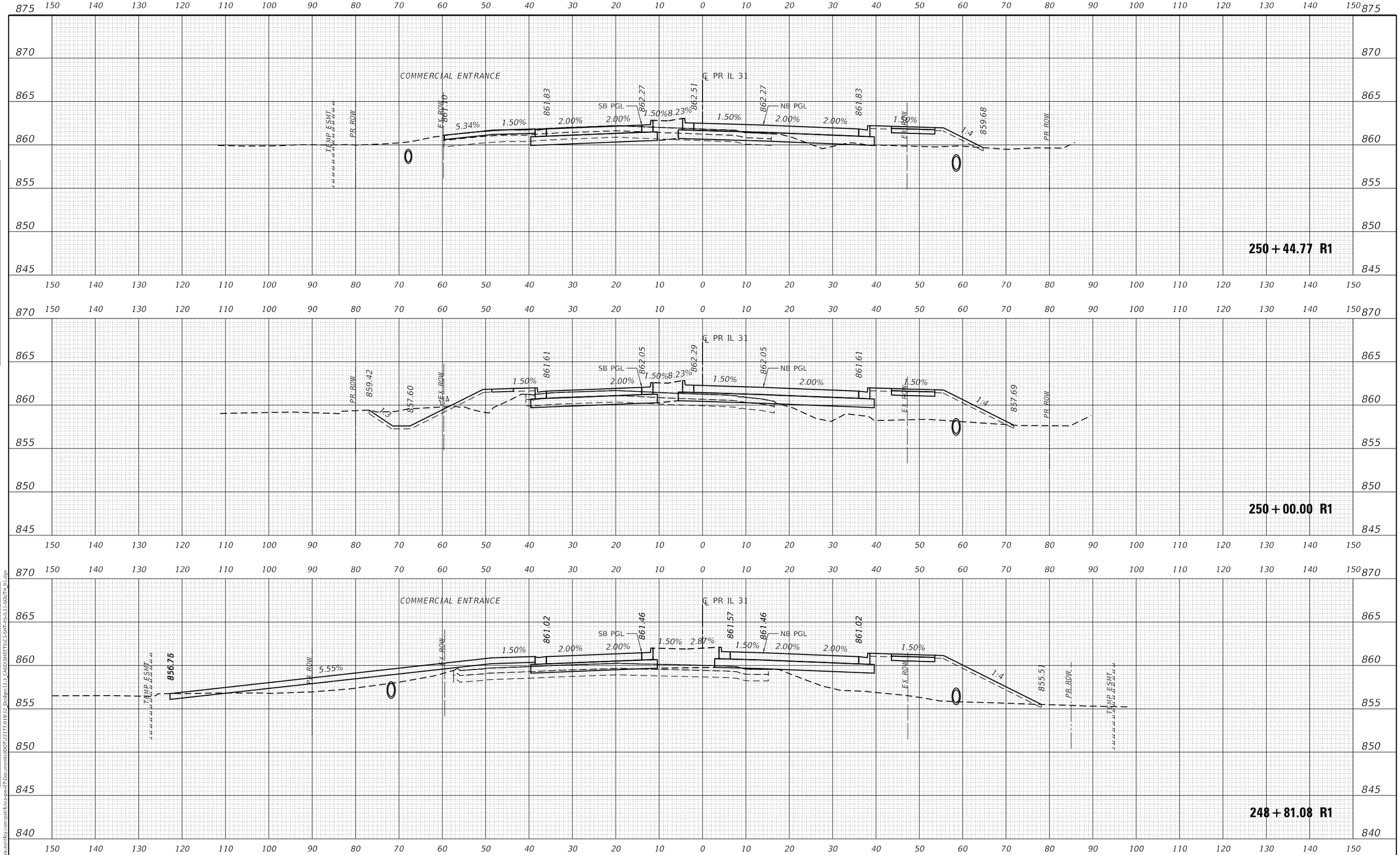
SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 247+82.00 R1 TO STA. 248+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	755

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_01.dgn



FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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PATRICK a RSR company

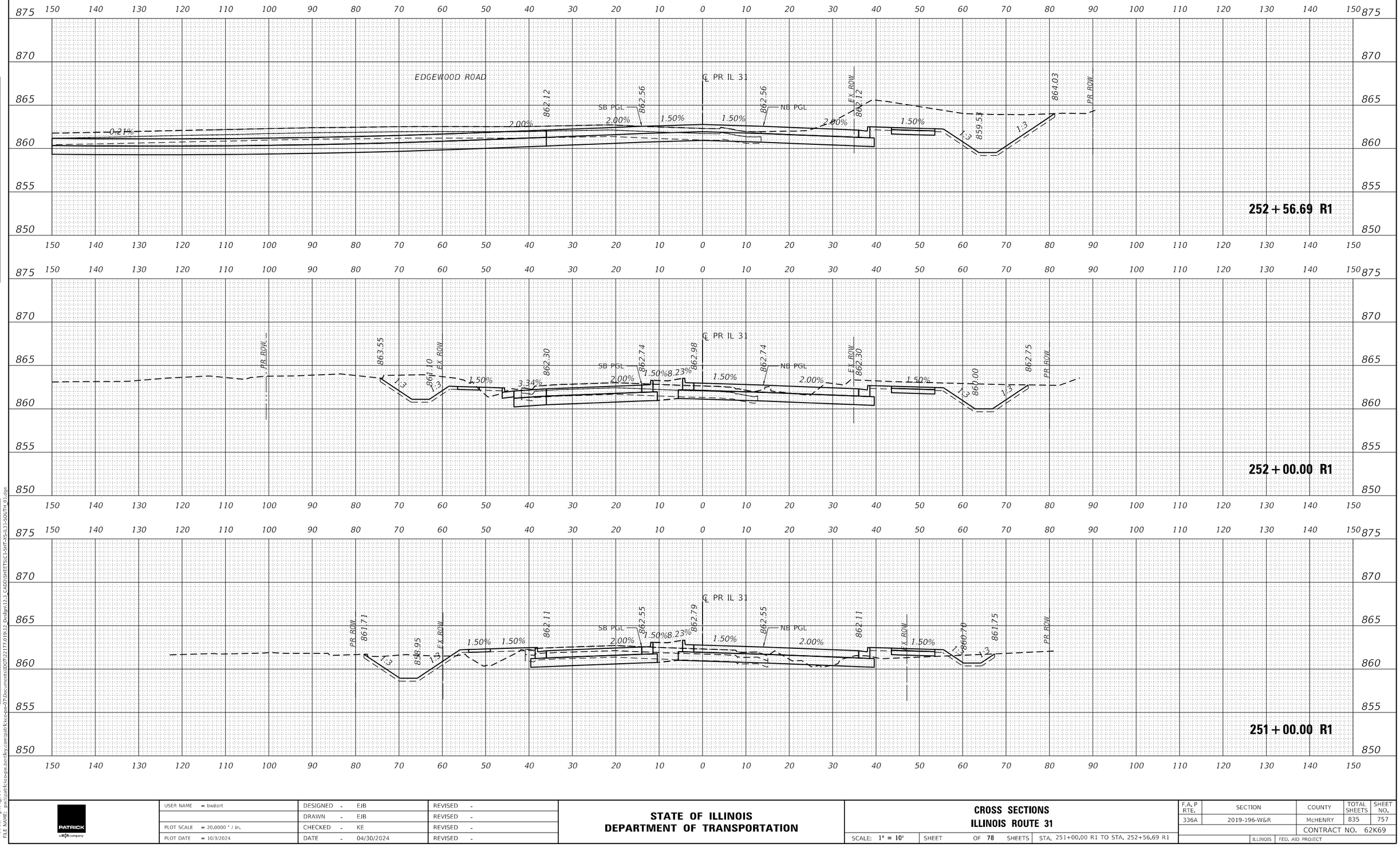
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 248+81.08 R1 TO STA. 250+44.77 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	756
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 78 SHEETS STA. 251+00.00 R1 TO STA. 252+56.69 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	757
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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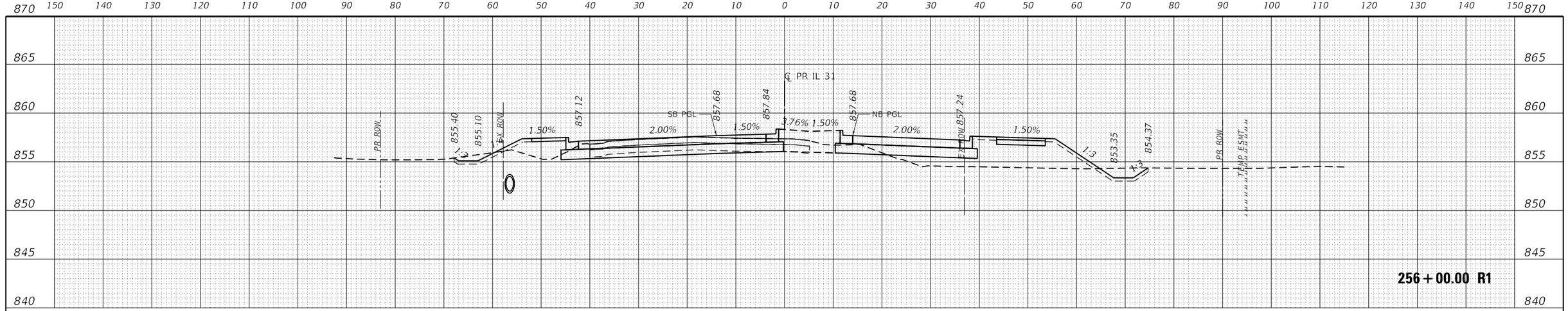

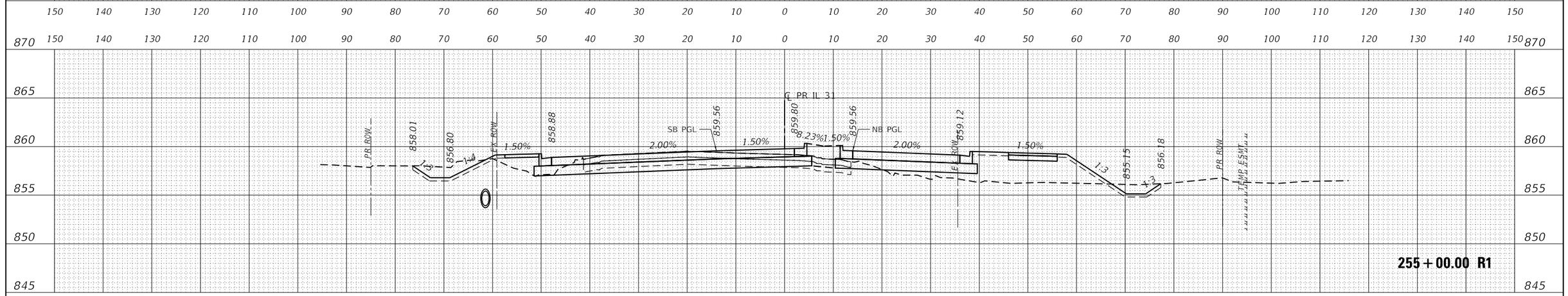

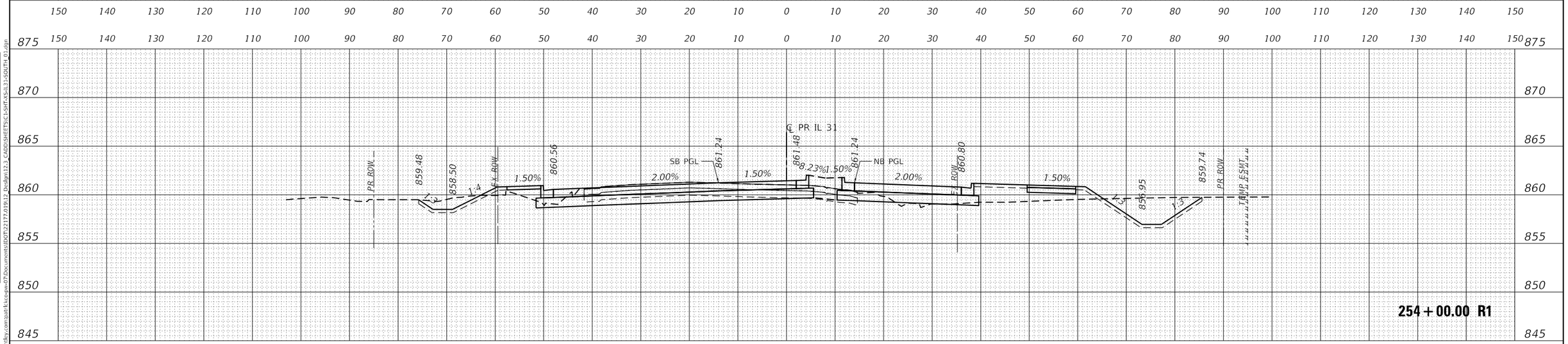

PATRICK a WSP company	USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS ILLINOIS ROUTE 31**
		DRAWN - EJB	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 254+00.00 R1 TO STA. 256+00.00 R1
	PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	758
		CONTRACT NO. 62K69		
	ILLINOIS | FED. AID PROJECT			

DATE / BY / SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED
FINAL SURVEY / NOTE BOOK / NO.

ORIGINAL SURVEY / NOTE BOOK / NO.

MODEL: P_IL31_SOUTH
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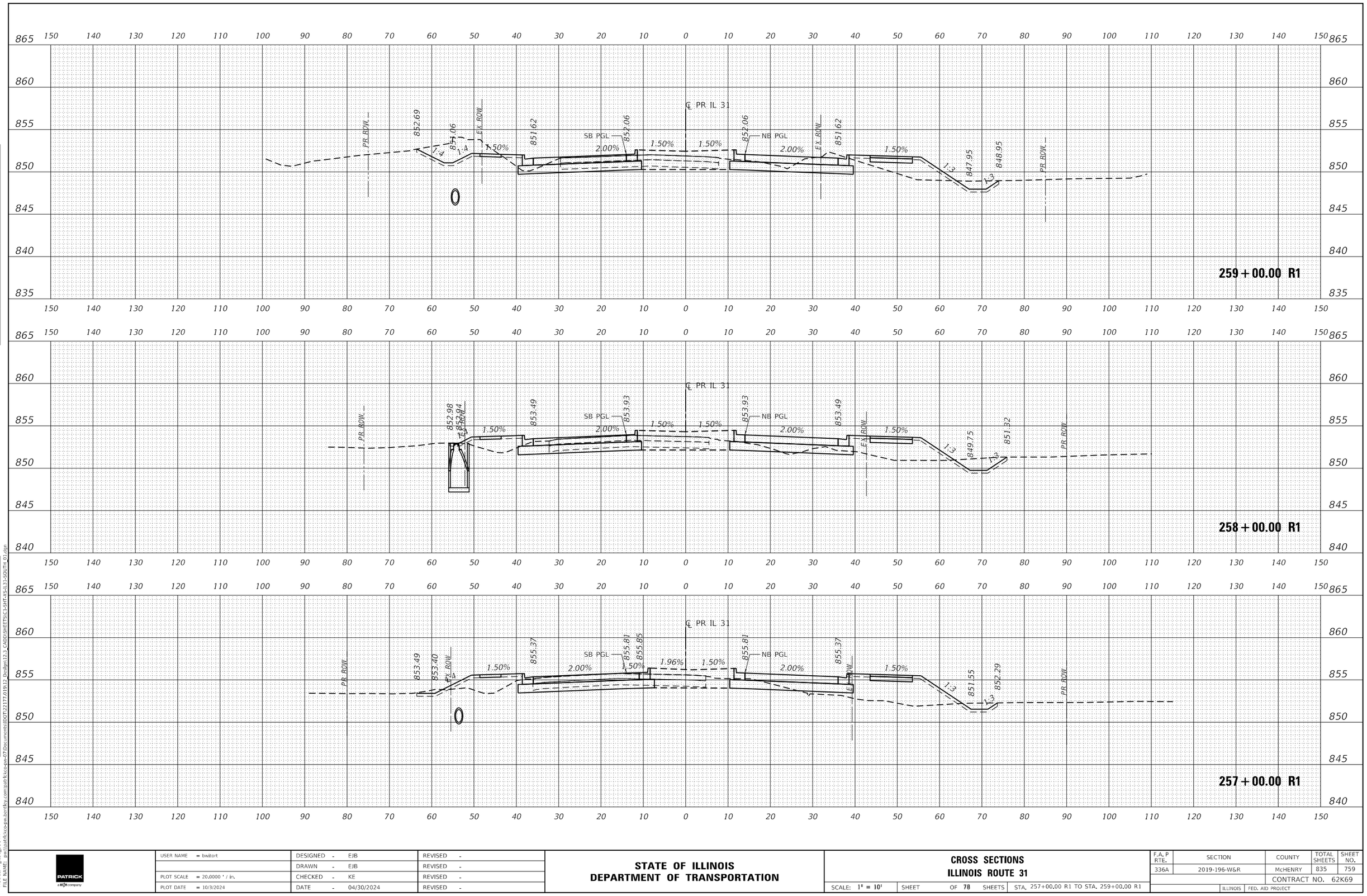

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 257+00.00 R1 TO STA. 259+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	759
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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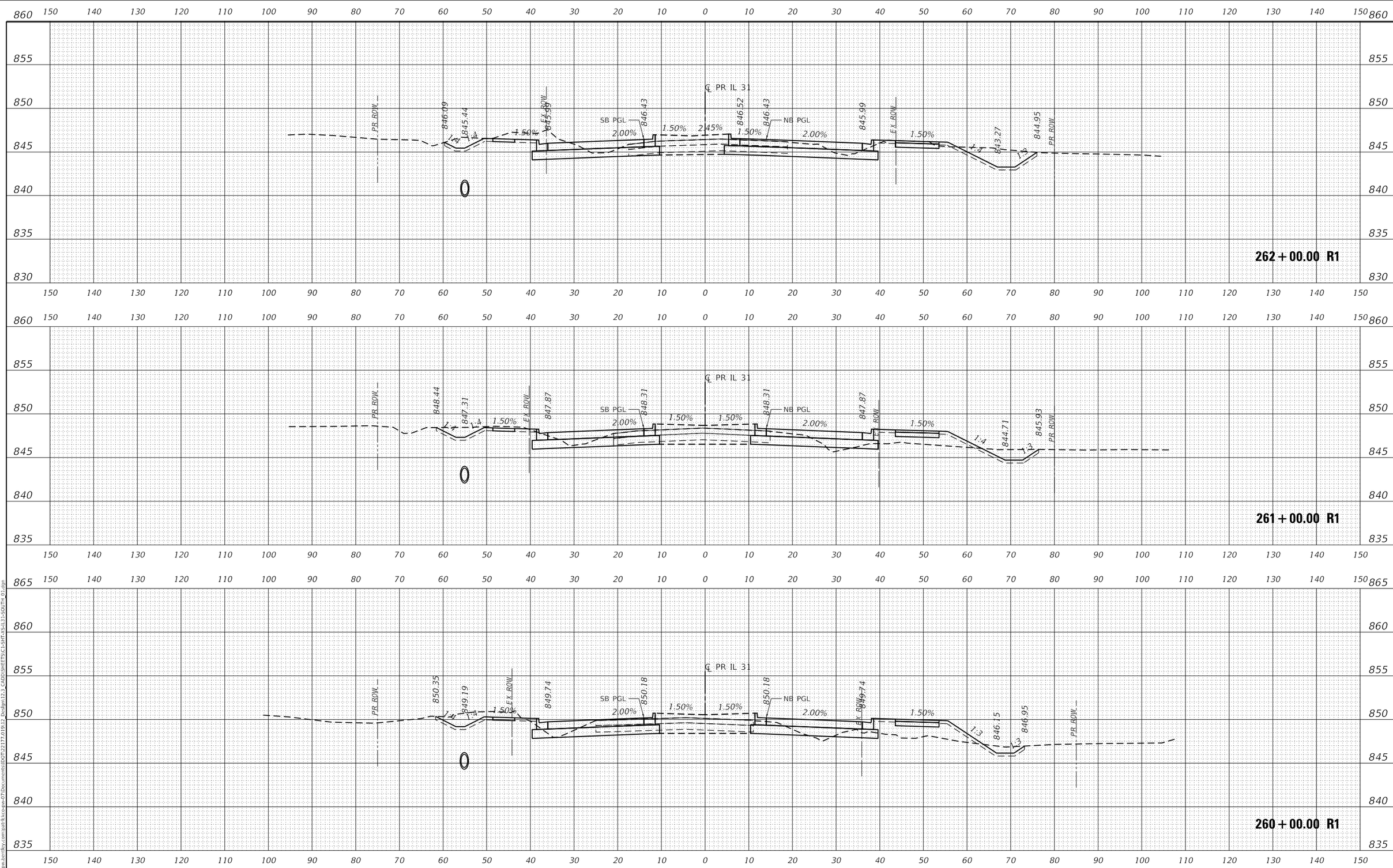

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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PATRICK a RIS company

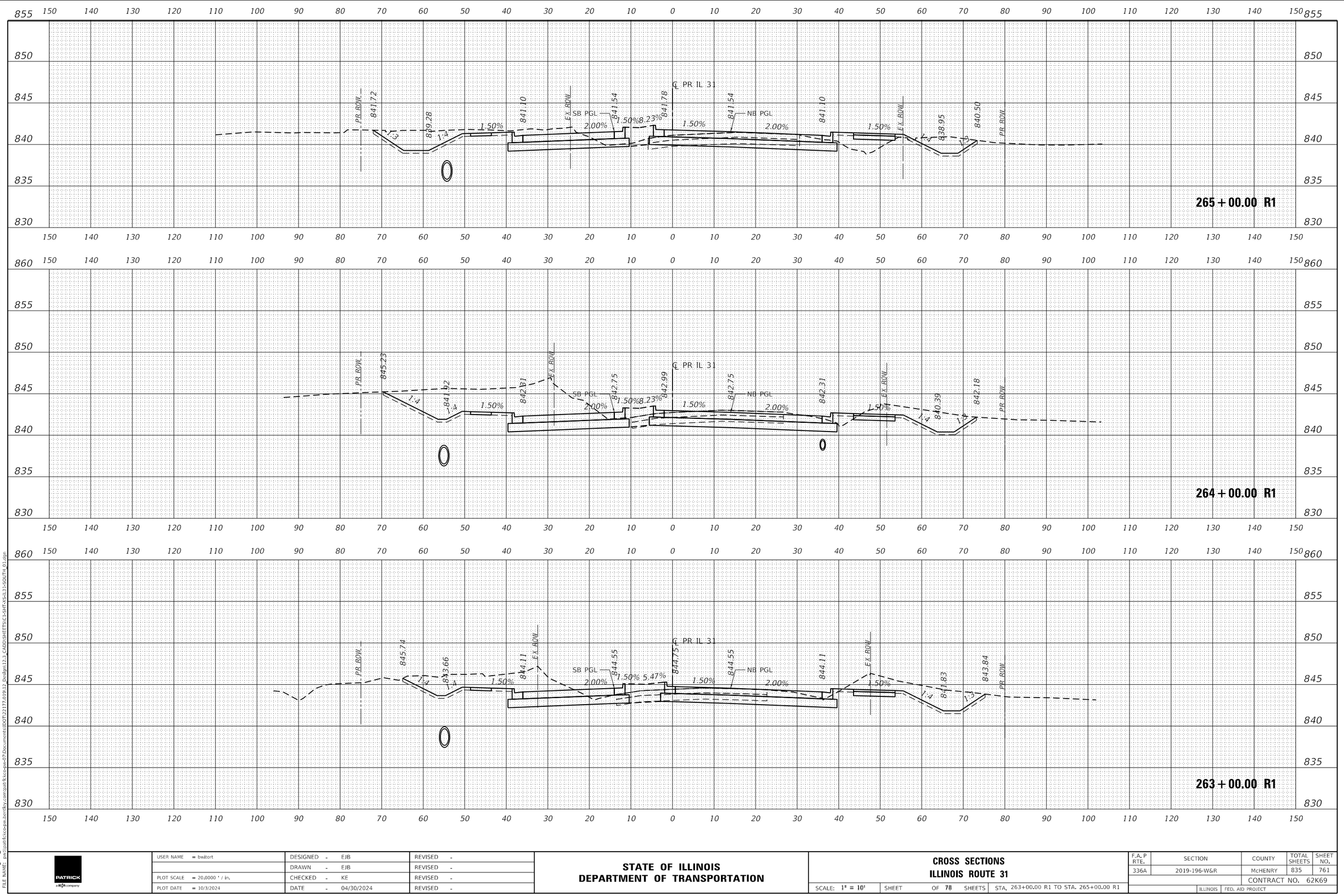
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 260+00.00 R1 TO STA. 262+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	760
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY / ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE
BY

MODEL: P_IL31_SOUTH
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PATRICK a MJ company

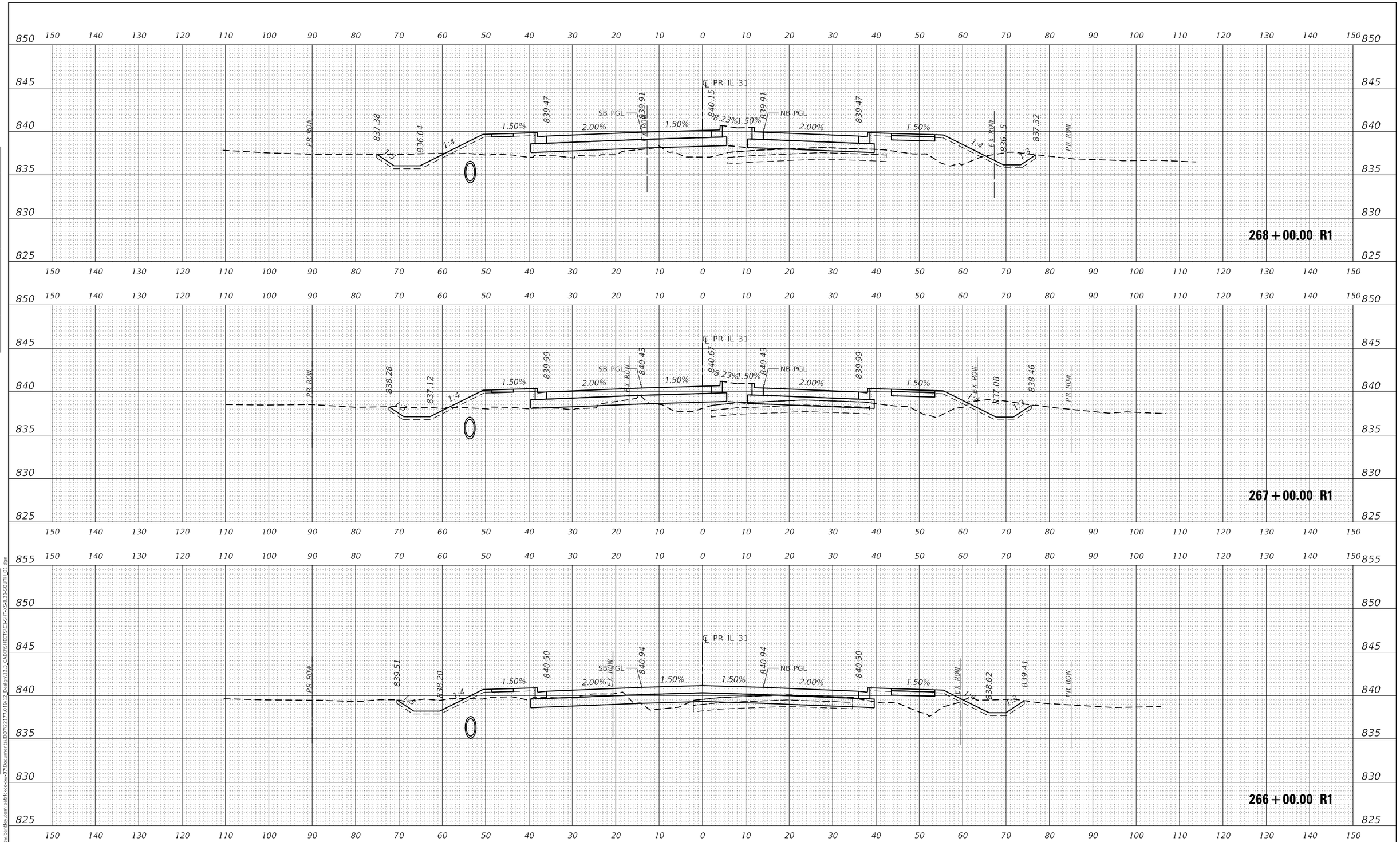
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 78 SHEETS | STA. 263+00.00 R1 TO STA. 265+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	761
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10'	SHEET 77 OF 78 SHEETS STA. 266+00.00 R1 TO STA. 268+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	762
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY: SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO. — BY — DATE

ORIGINAL SURVEY: SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO. — BY — DATE

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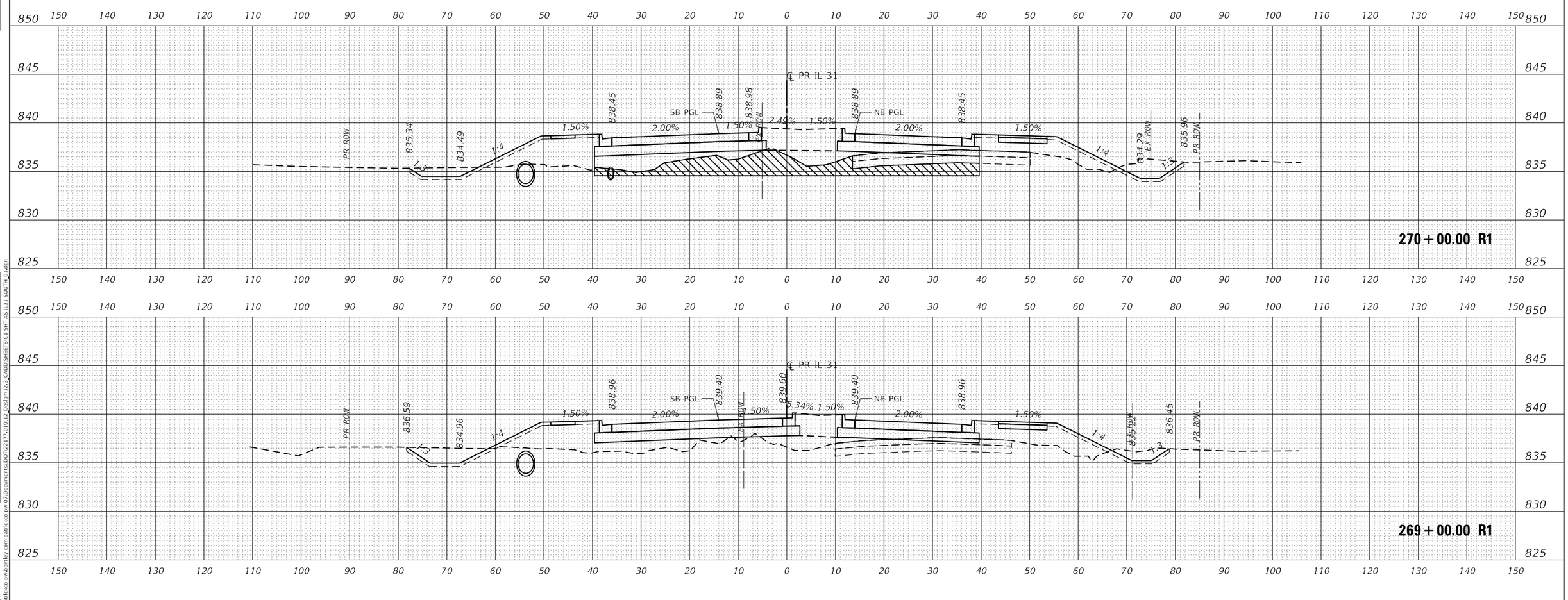

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RIS company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET 78 OF 78 SHEETS | STA. 269+00.00 R1 TO STA. 270+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	763

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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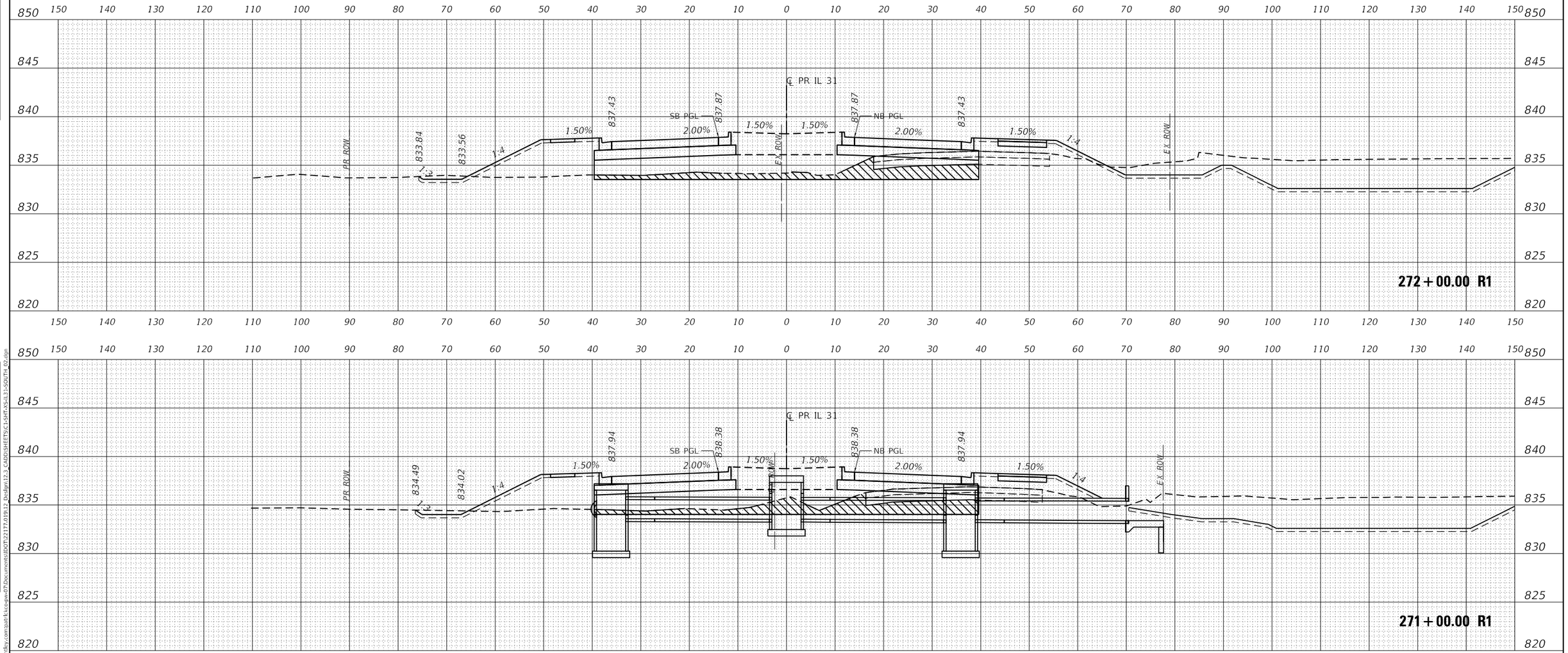

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 271+00.00 R1 TO STA. 272+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	764
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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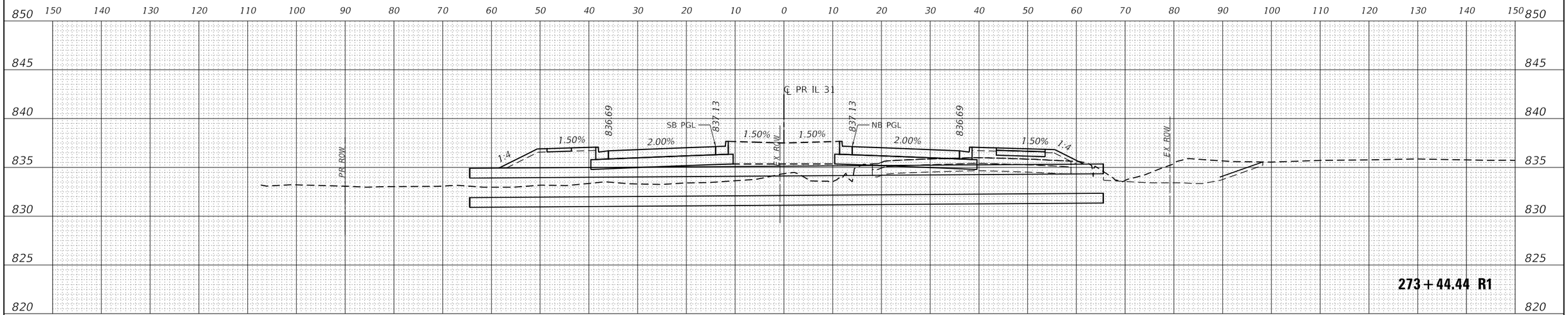
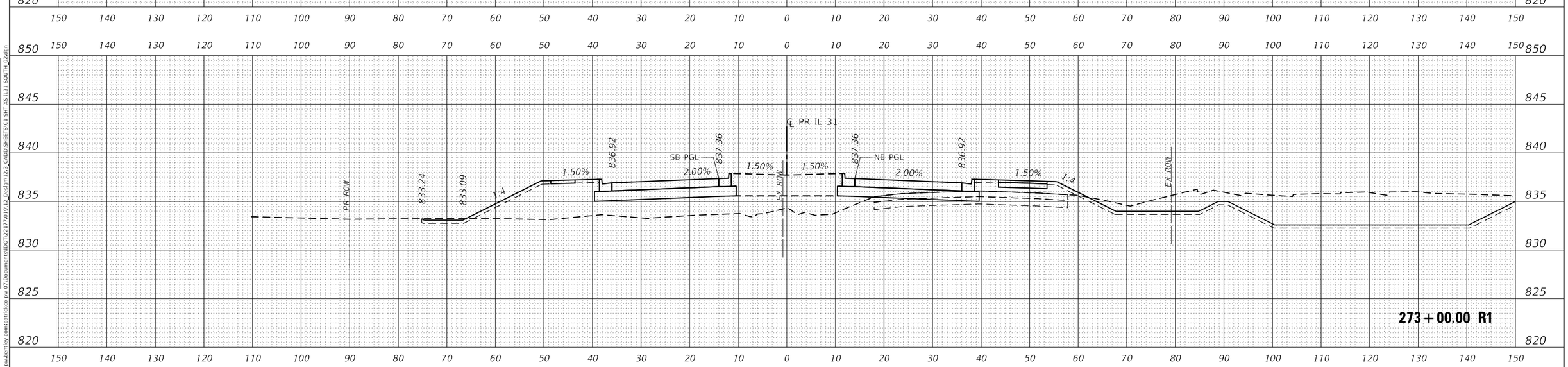
Design\12.3 CADD\Documents\IDOT\22177.01912 Design\12.3 CADD\Documents\IDOT\22177.01912 Design\12.3 CADD\Documents\IDOT\22177.01912





USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

PATRICK a RIDR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 273+00.00 R1 TO STA. 273+44.44 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	765

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

MODEL: P_IL31_SOUTH
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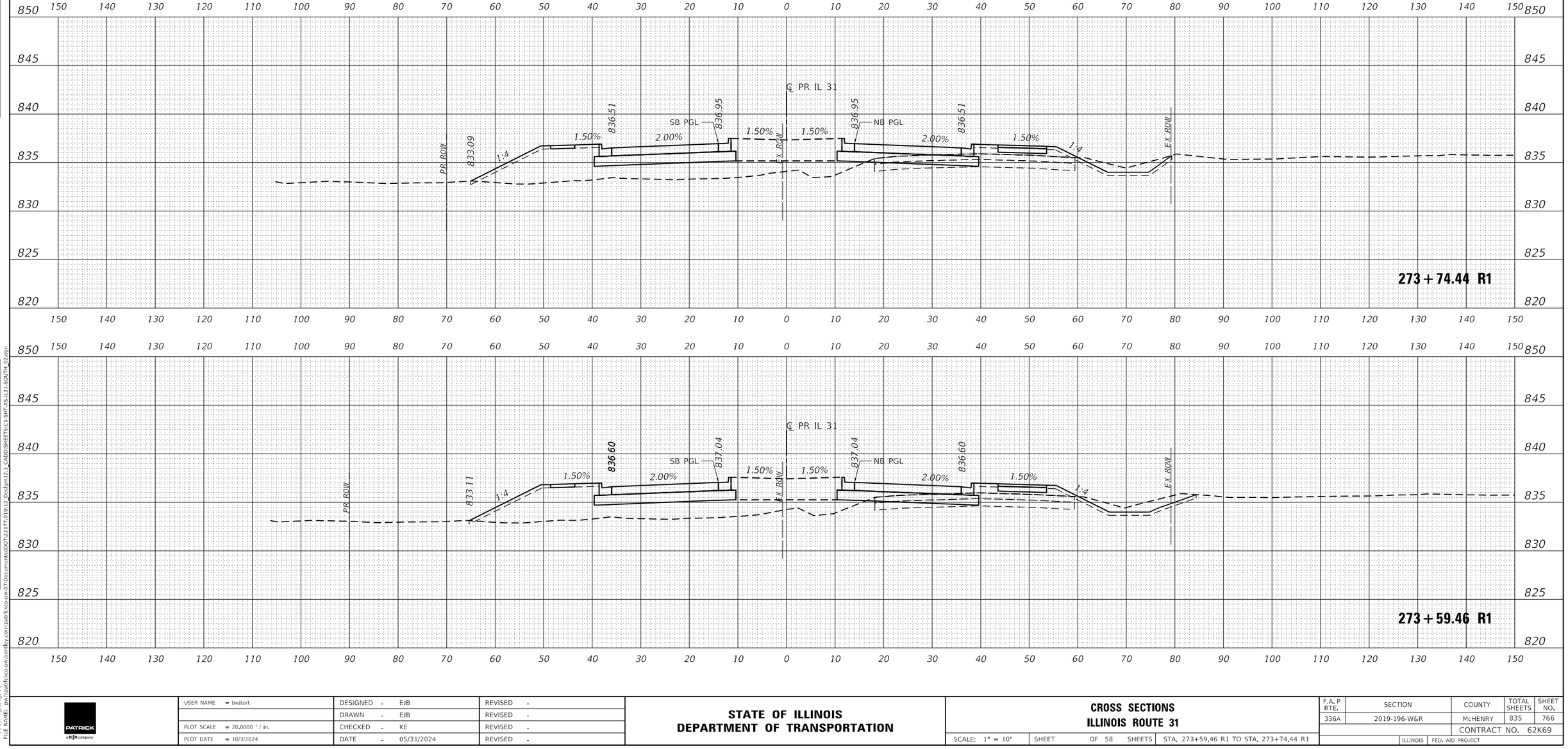

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 273+59.46 R1 TO STA. 273+74.44 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	766
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

MODEL: P_IL31_SOUTH
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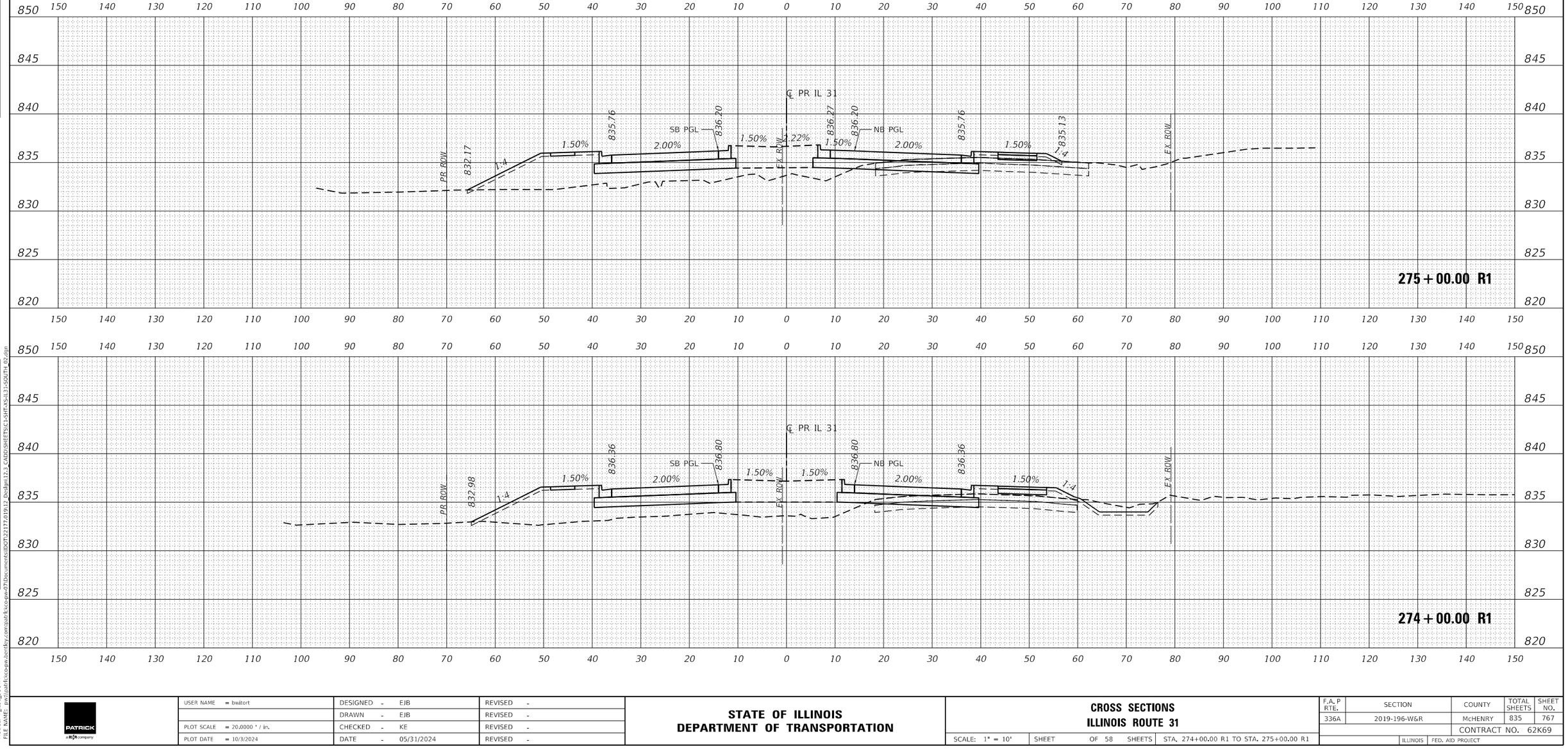
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

FINAL SURVEY
NOTE BOOK
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE



USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 274+00.00 R1 TO STA. 275+00.00 R1
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	767
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

MODEL: P_IL31_SOUTH
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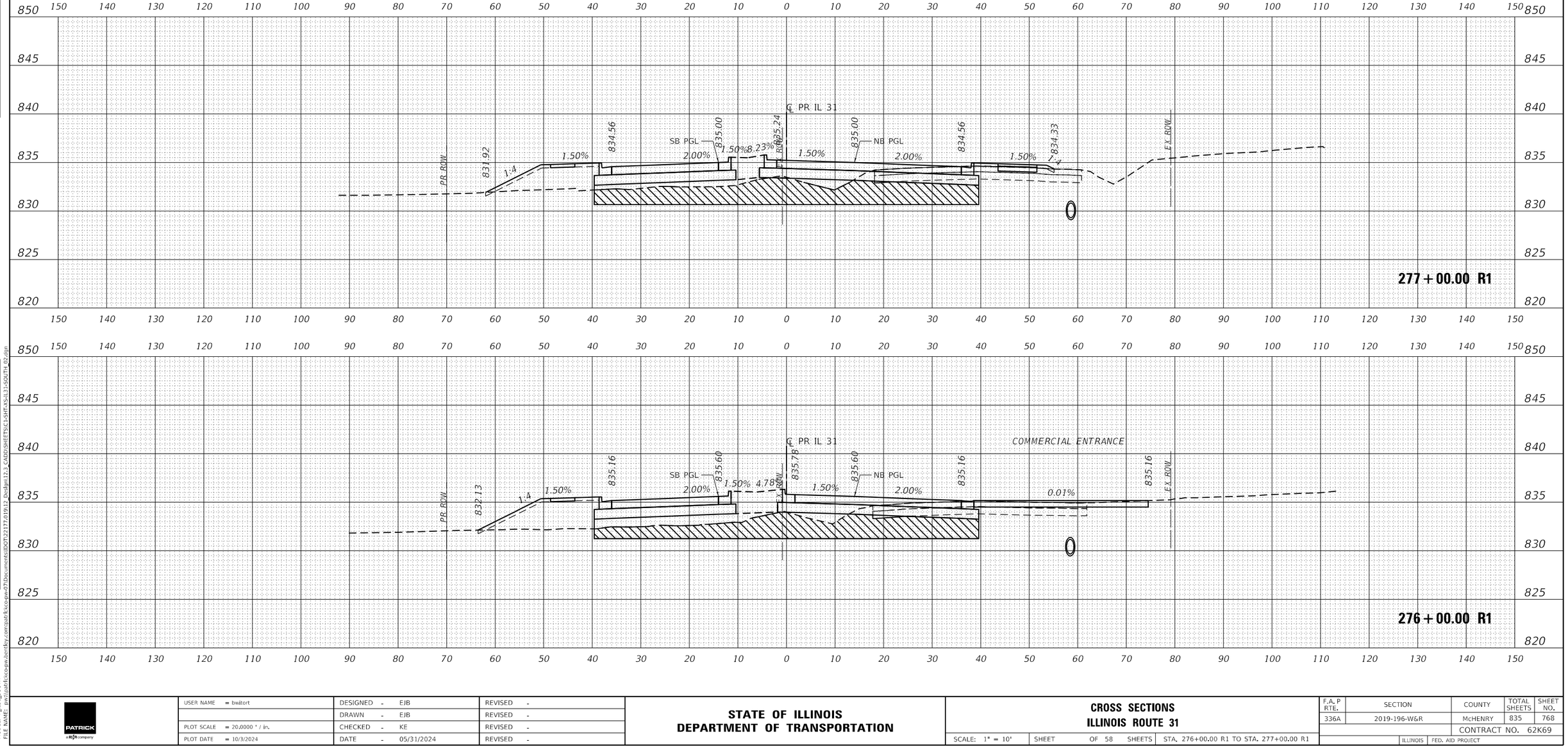

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 276+00.00 R1 TO STA. 277+00.00 R1
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	768
		CONTRACT NO. 62K69		
		ILLINOIS | FED. AID PROJECT		

MODEL: P_IL31_SOUTH
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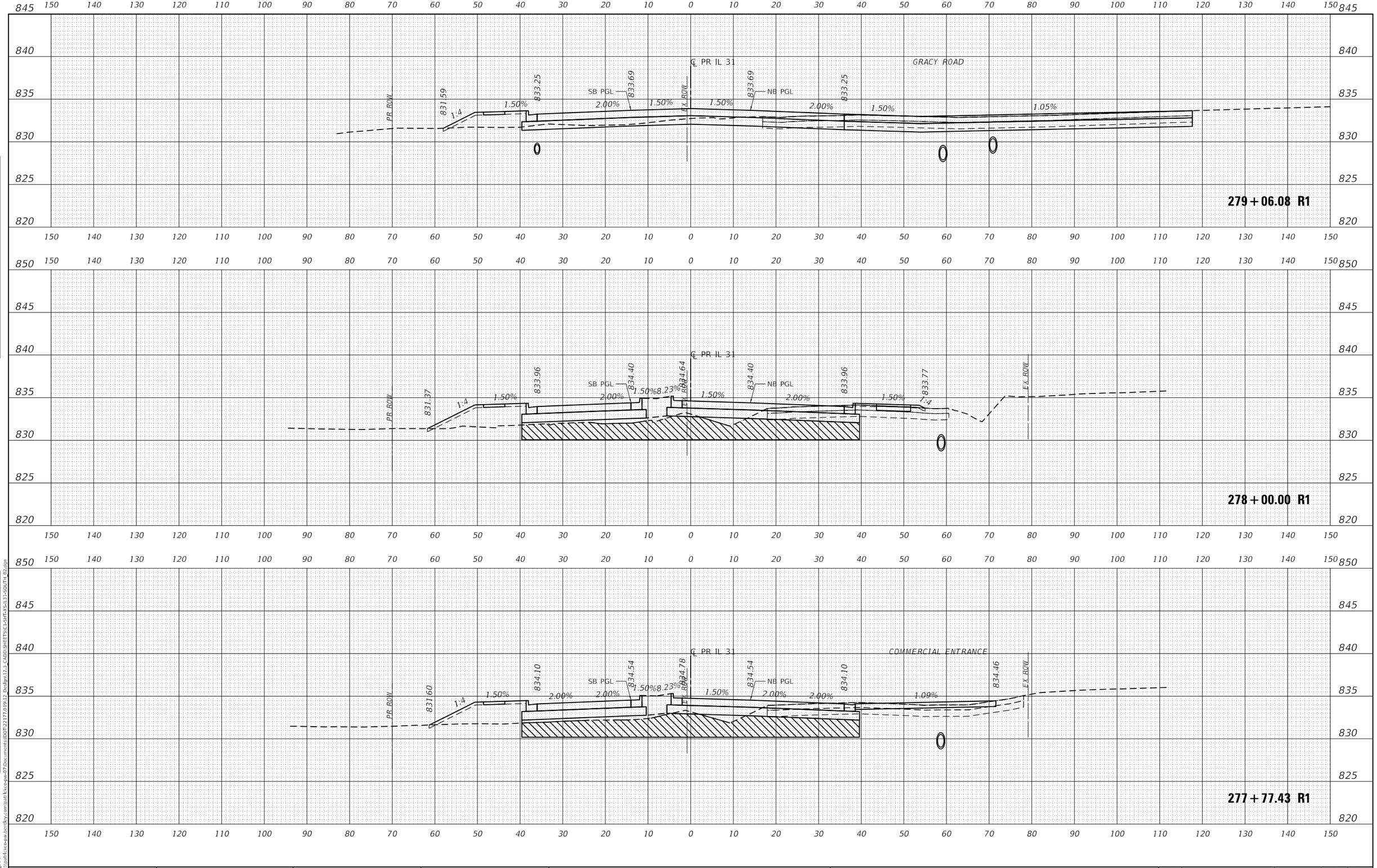
ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE



USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 277+77.43 R1 TO STA. 279+06.08 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	769
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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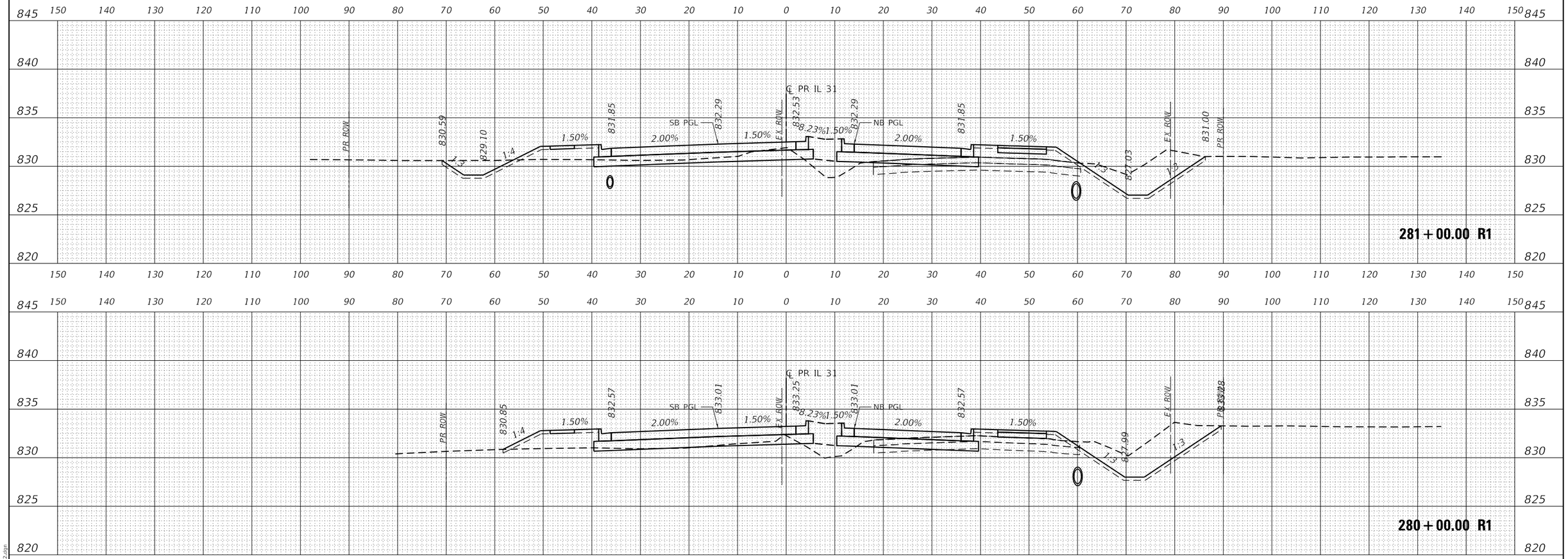

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 279+65.29 R1 TO STA. 281+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	770
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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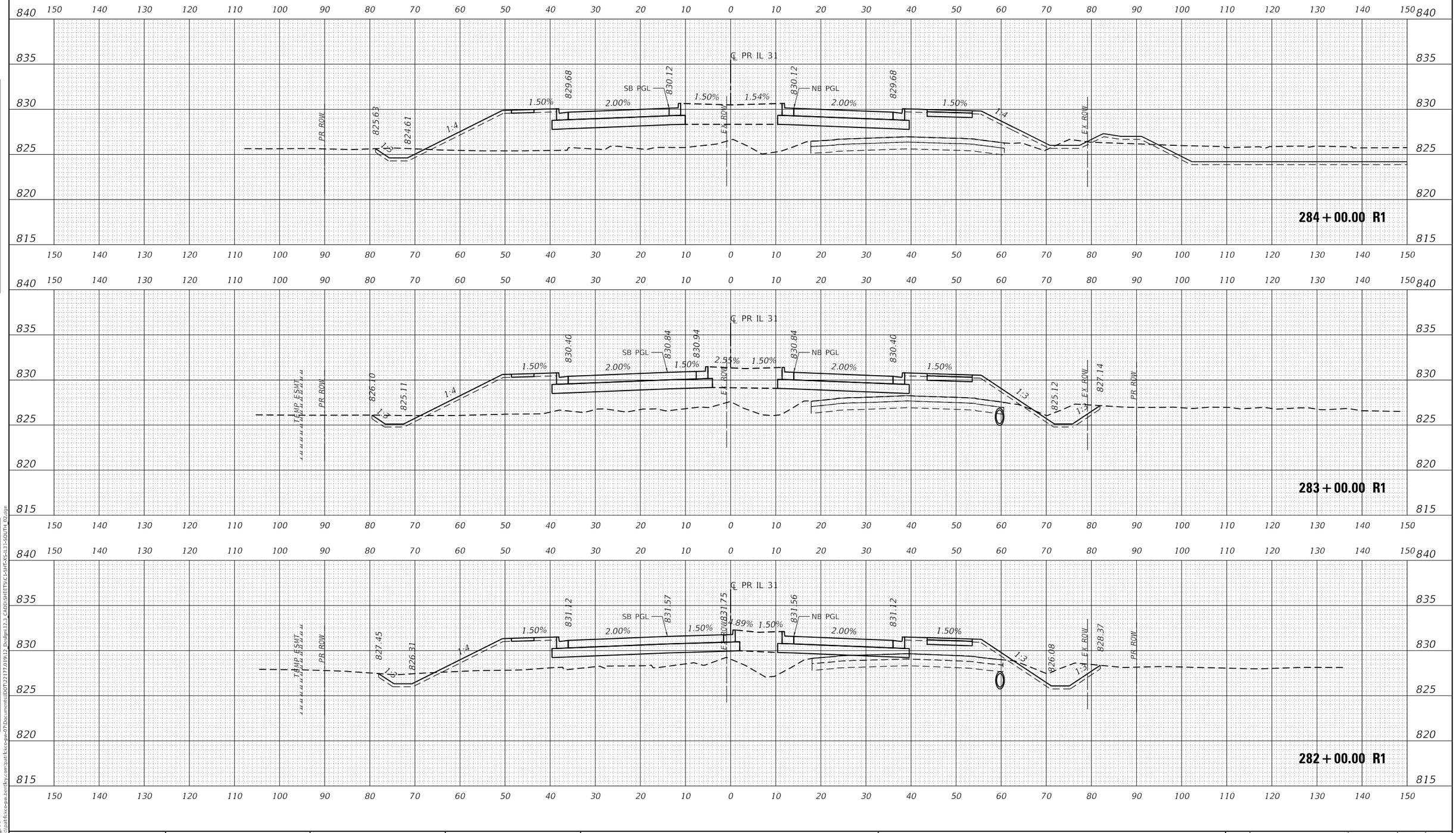

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 282+00.00 R1 TO STA. 284+00.00 R1
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	771
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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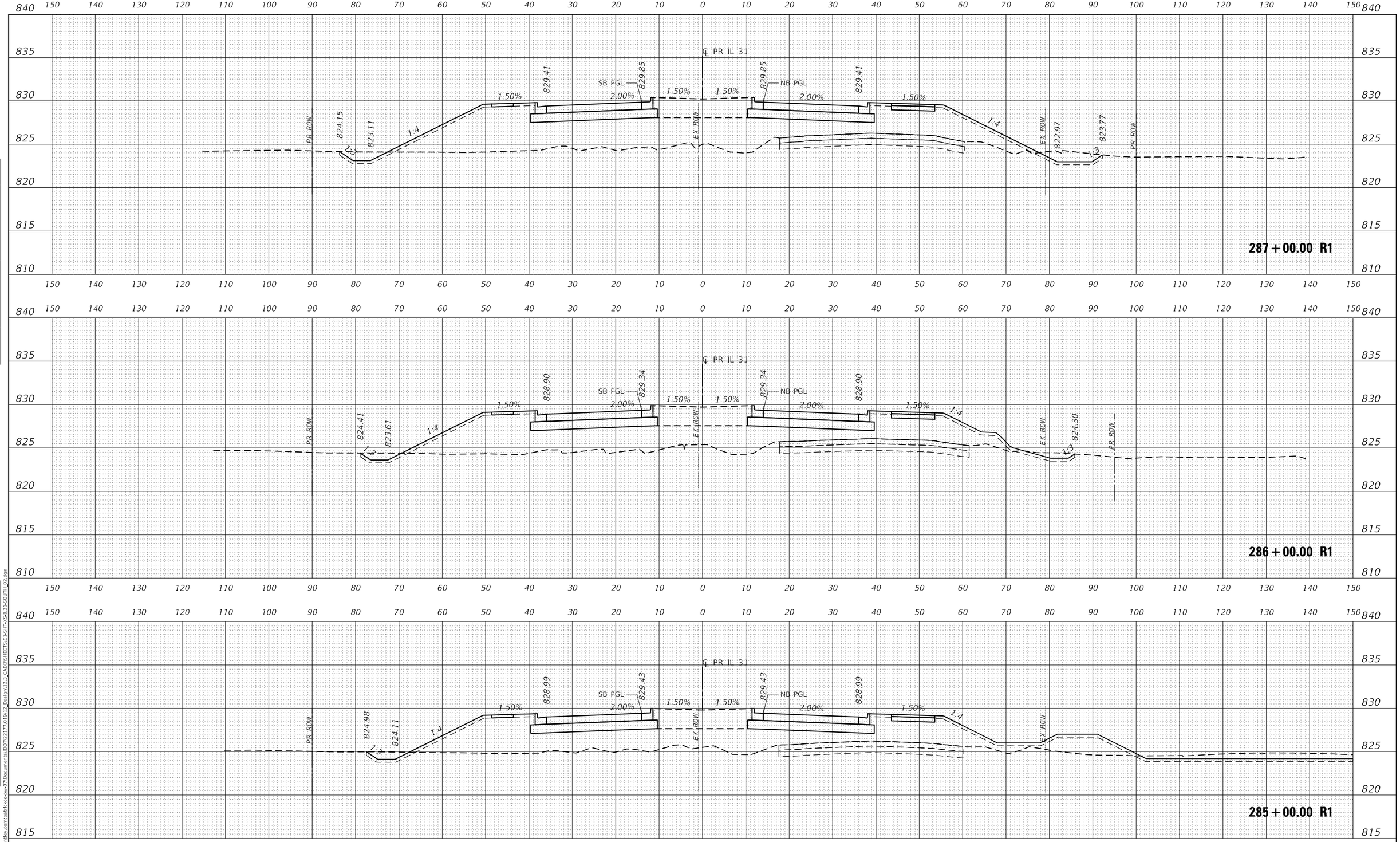

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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PATRICK a RIVER company

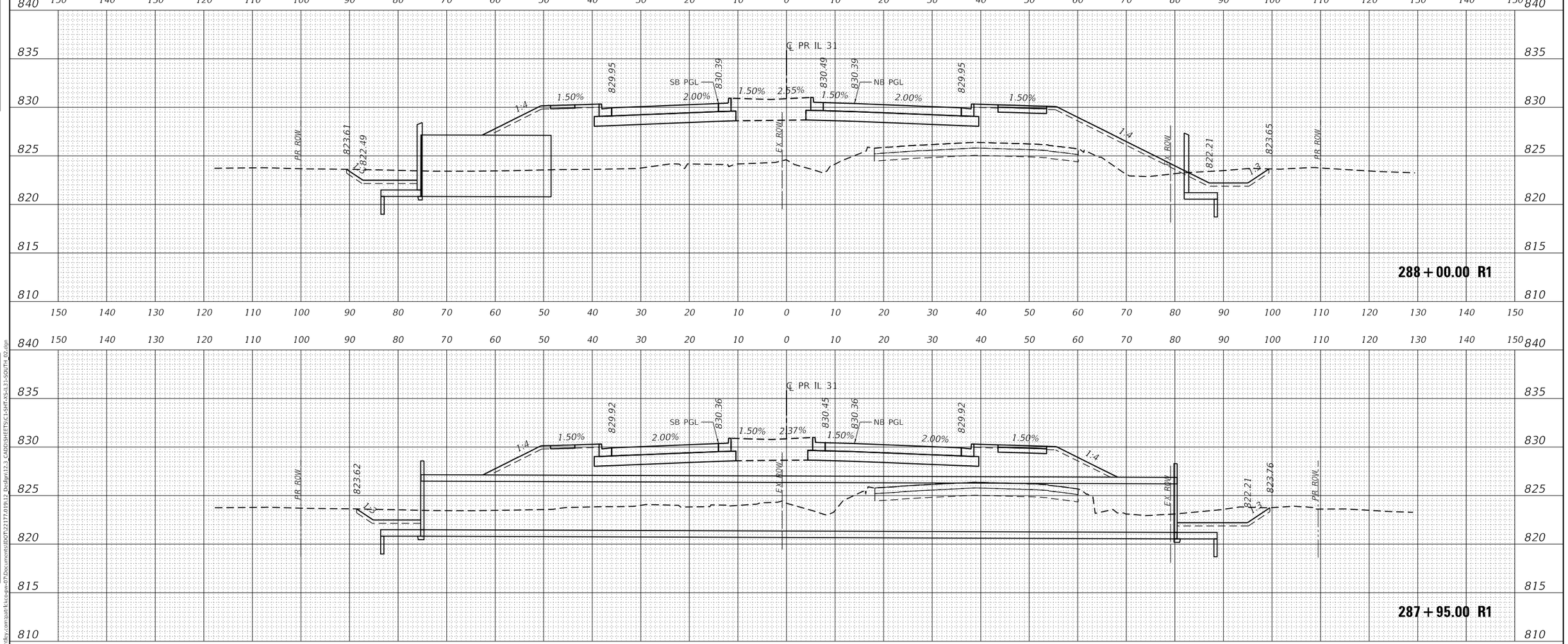
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 285+00.00 R1 TO STA. 287+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	772
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	**CROSS SECTIONS**
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	**ILLINOIS ROUTE 31**

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 287+95.00 R1 TO STA. 288+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	773
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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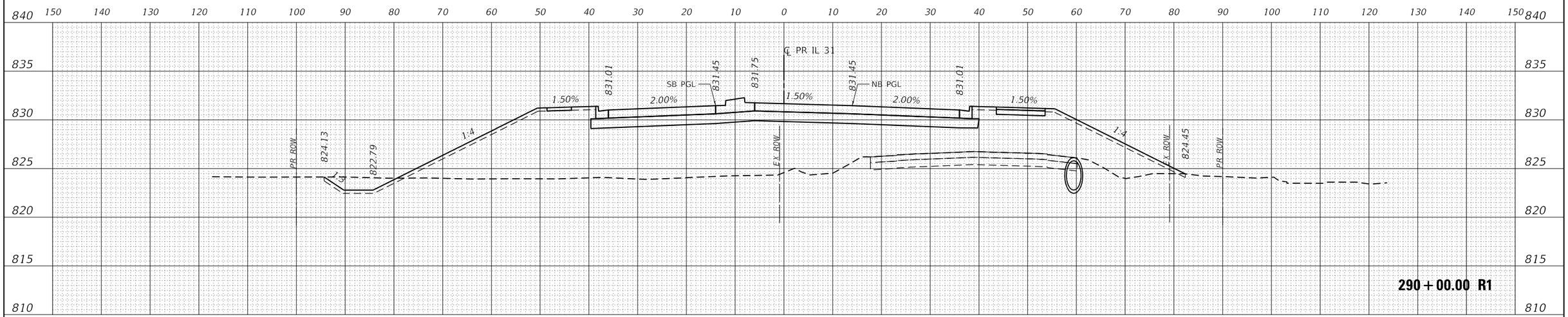

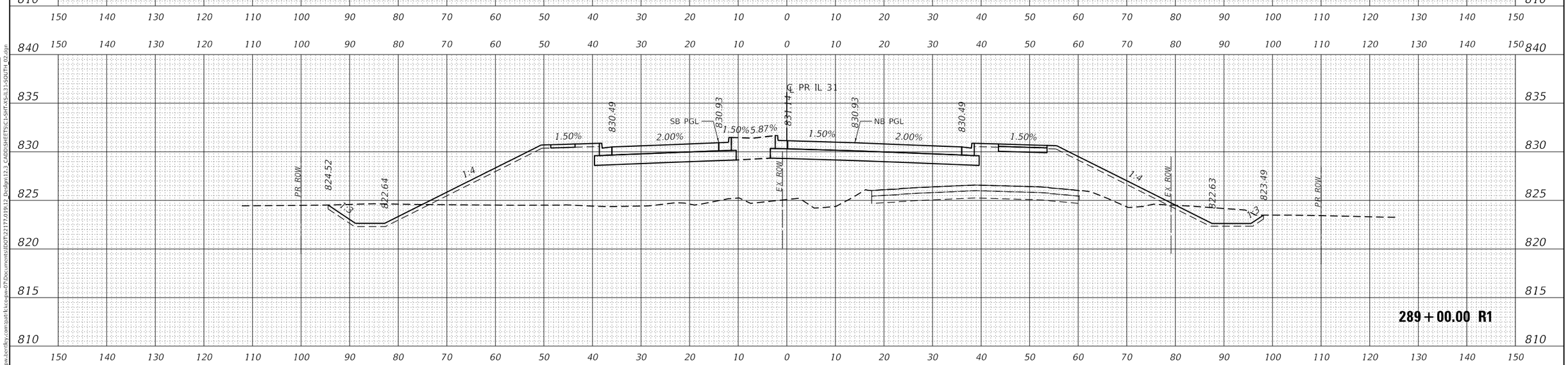

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

PATRICK a RIS company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 289+00.00 R1 TO STA. 290+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	774

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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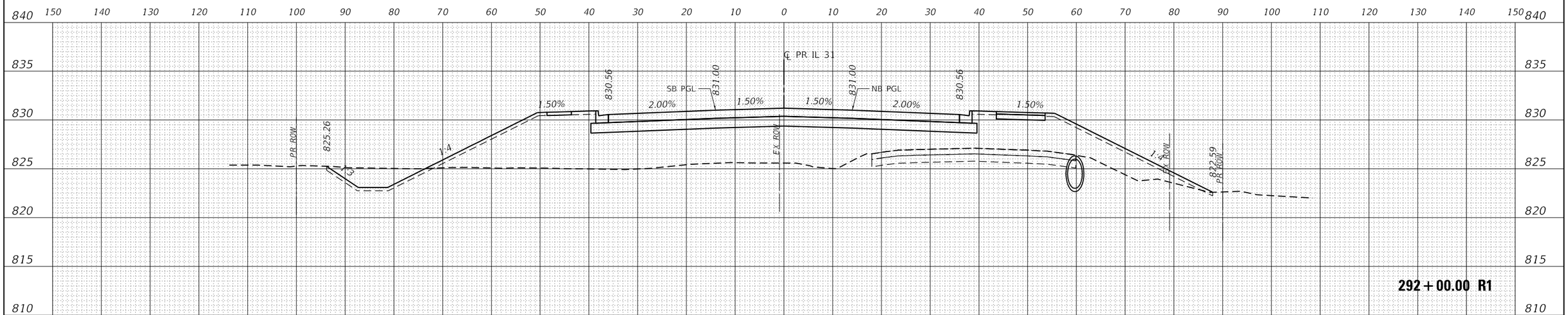

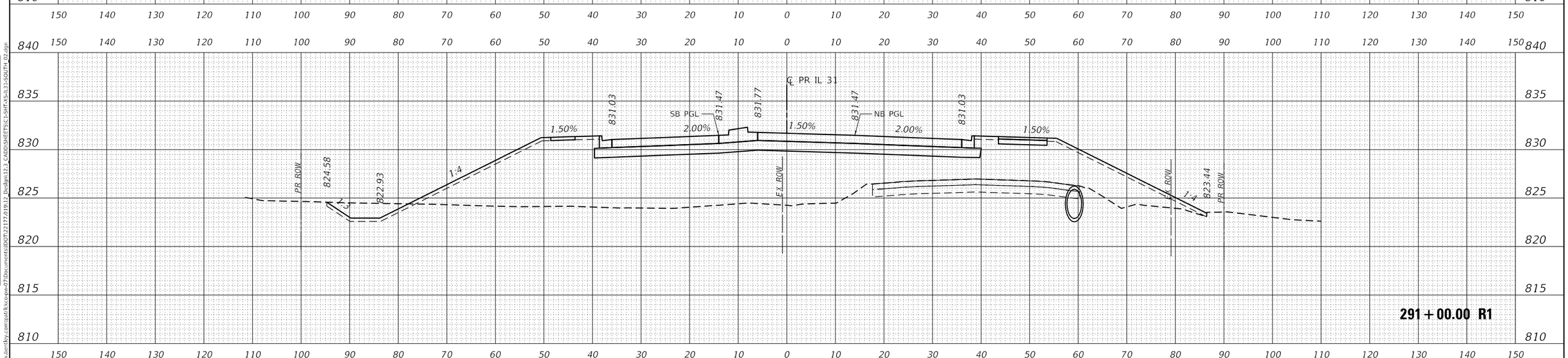

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 291+00.00 R1 TO STA. 292+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	775

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

MODEL: P_IL31_SOUTH
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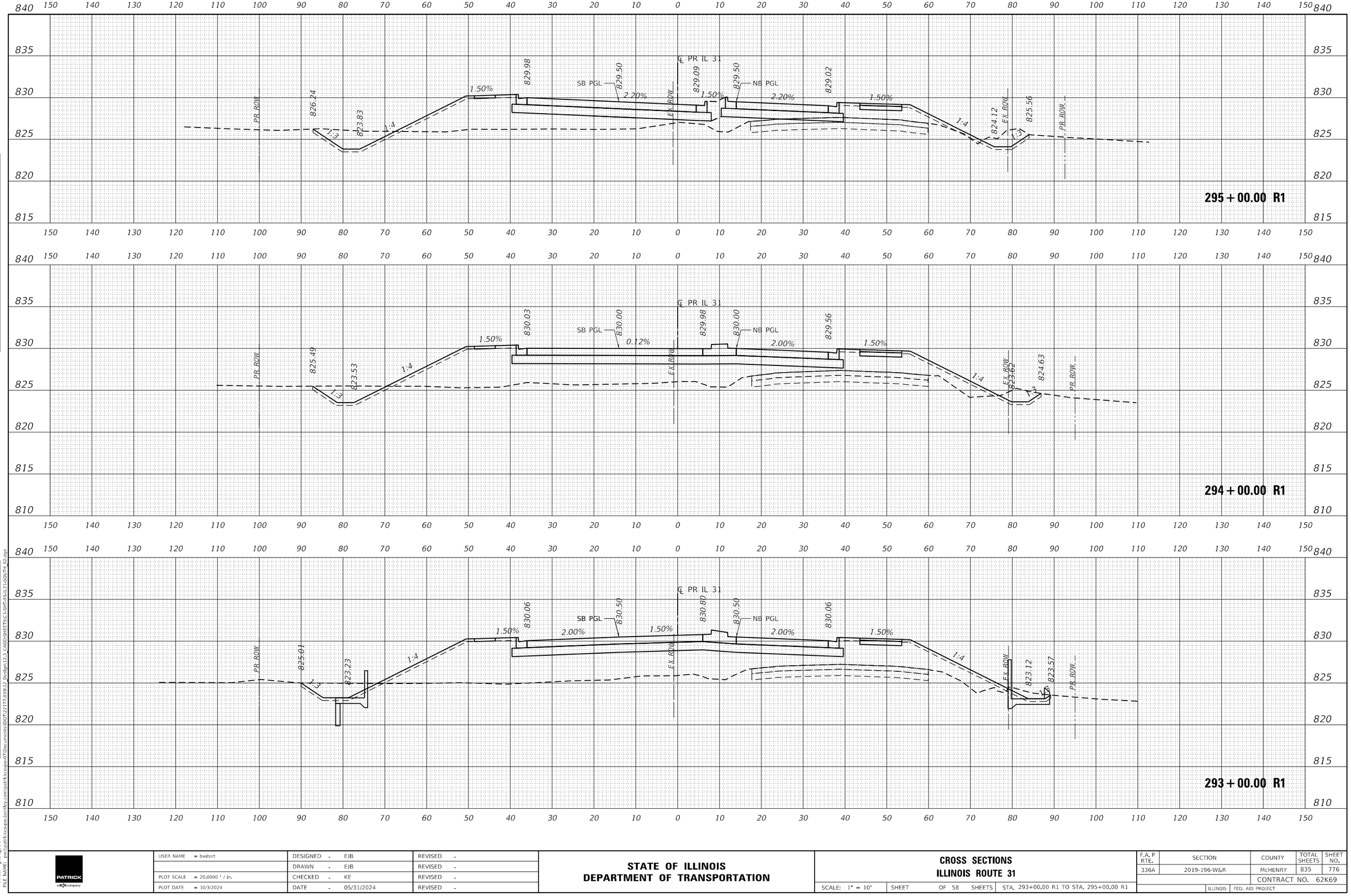

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 293+00.00 R1 TO STA. 295+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	776
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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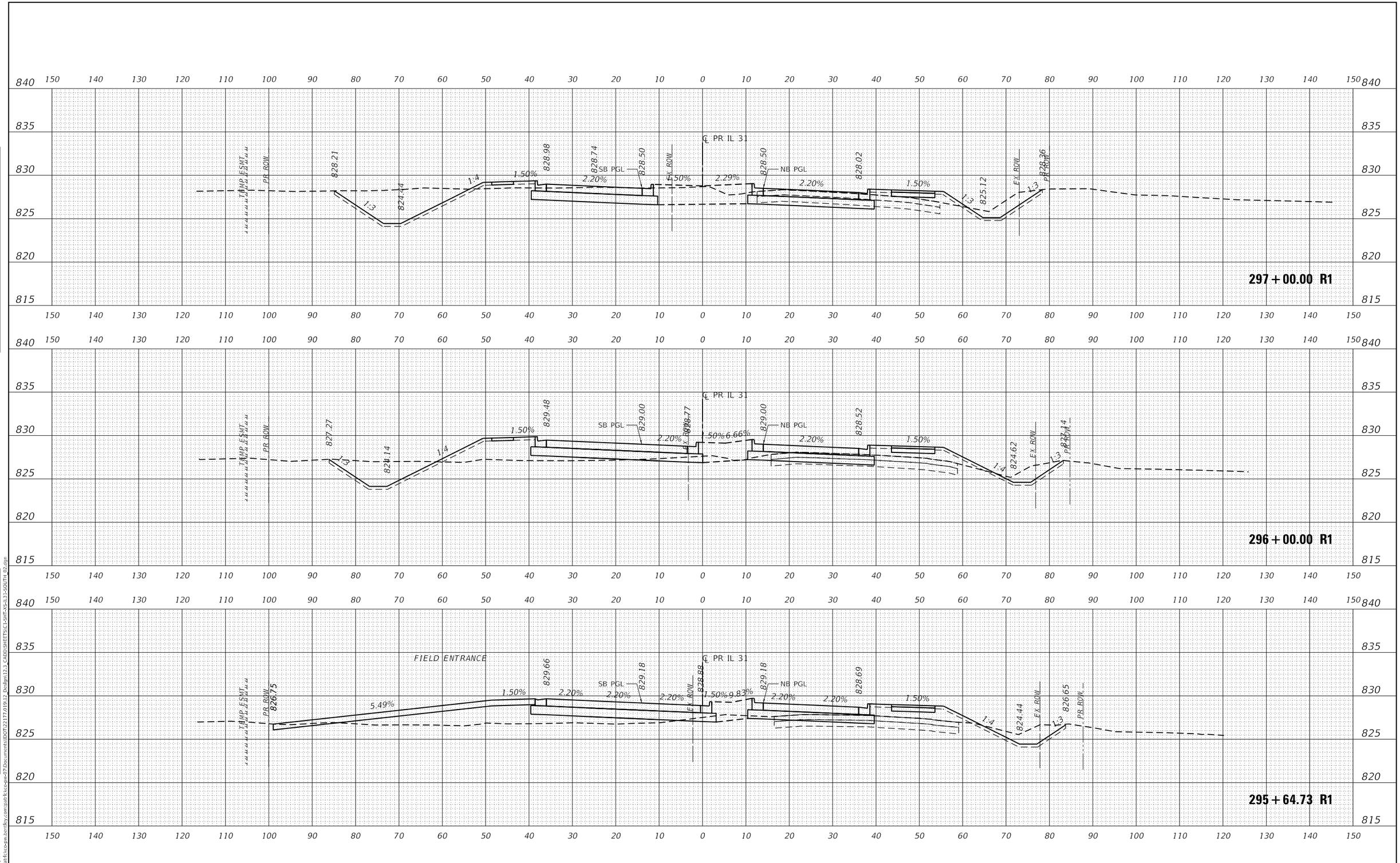

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

PATRICK a RSR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 295+64.73 R1 TO STA. 297+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	777

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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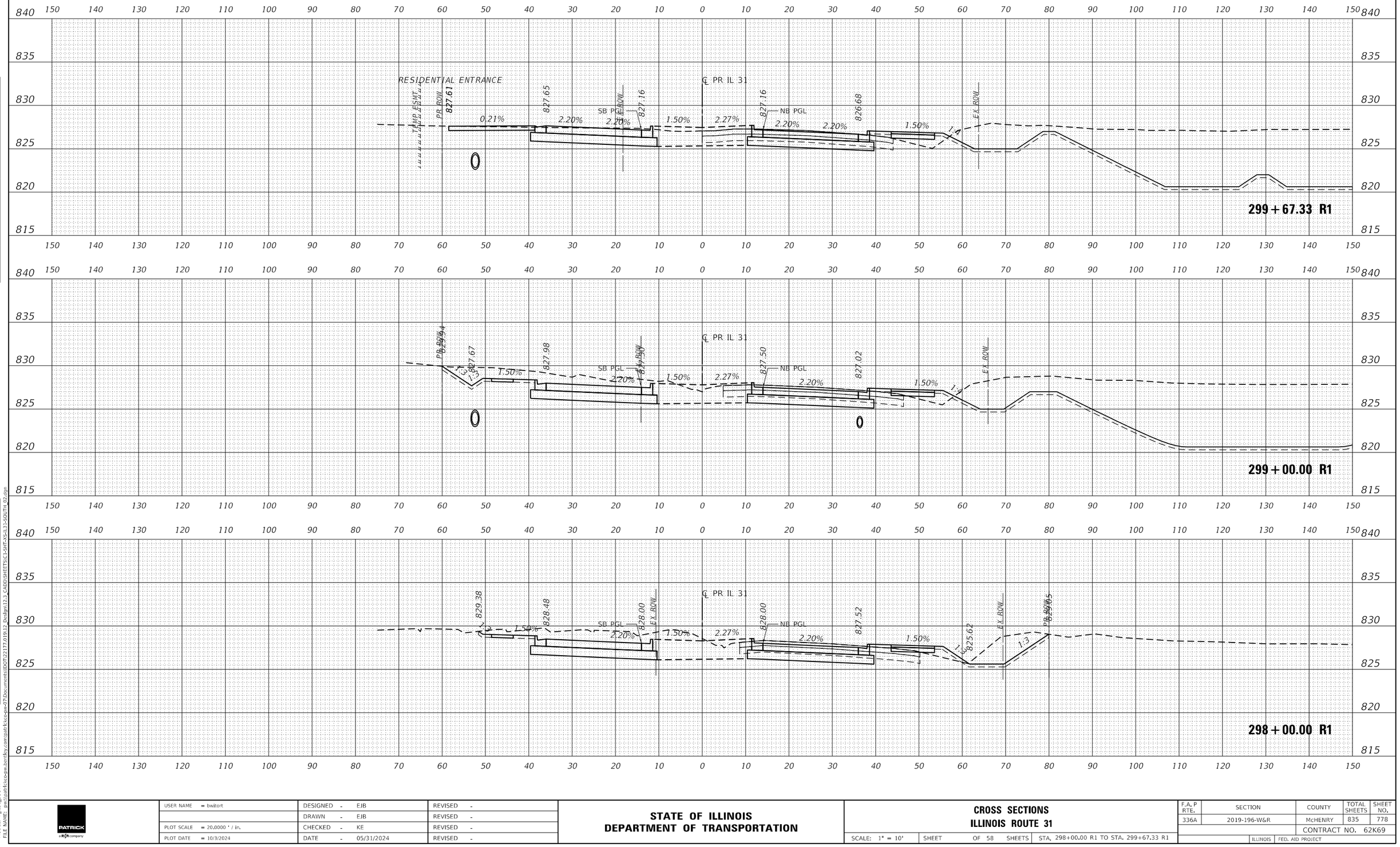

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 298+00.00 R1 TO STA. 299+67.33 R1
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	778
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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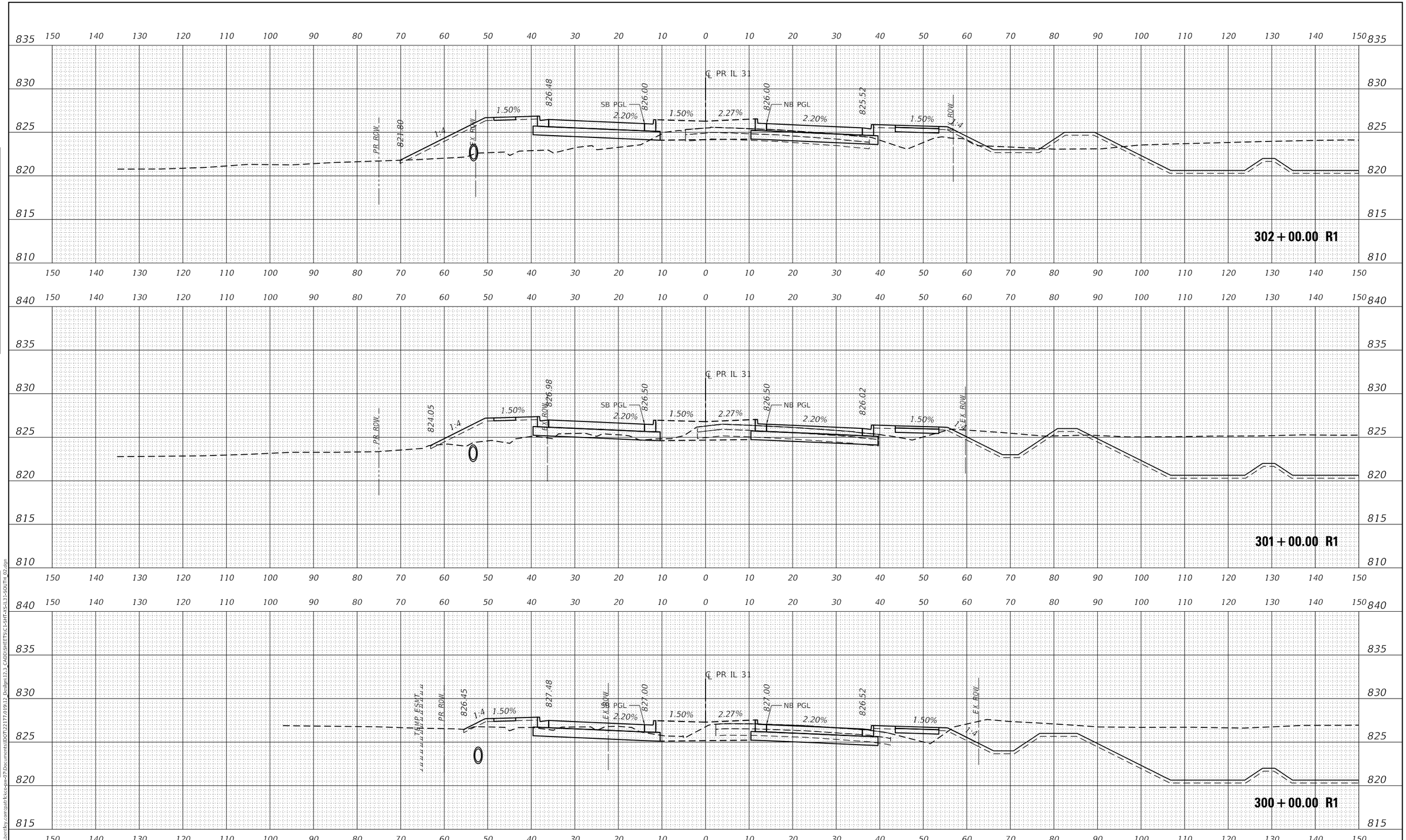

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10'	SHEET OF 58 SHEETS STA. 300+00.00 R1 TO STA. 302+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	779
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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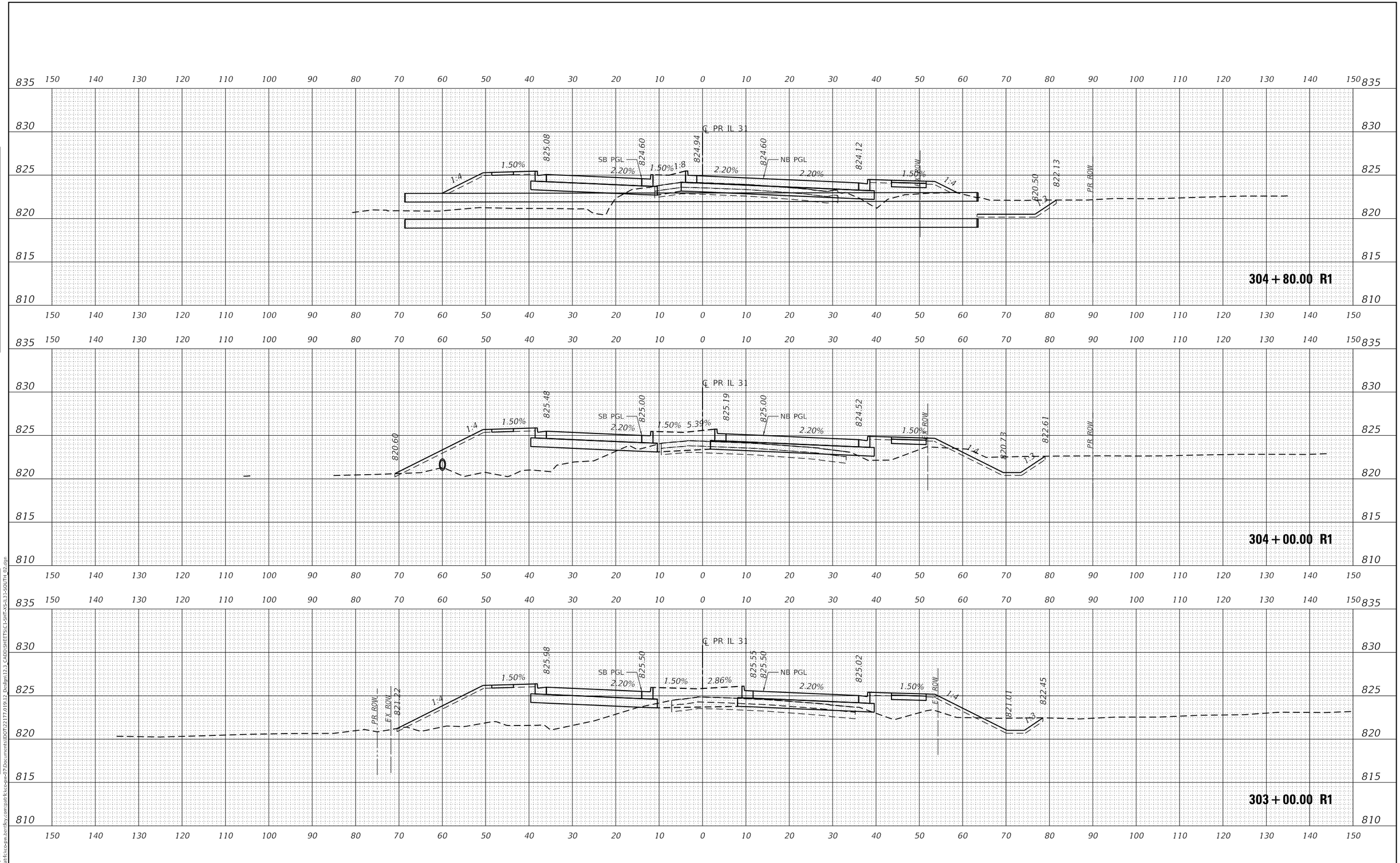

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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PATRICK a RSR company

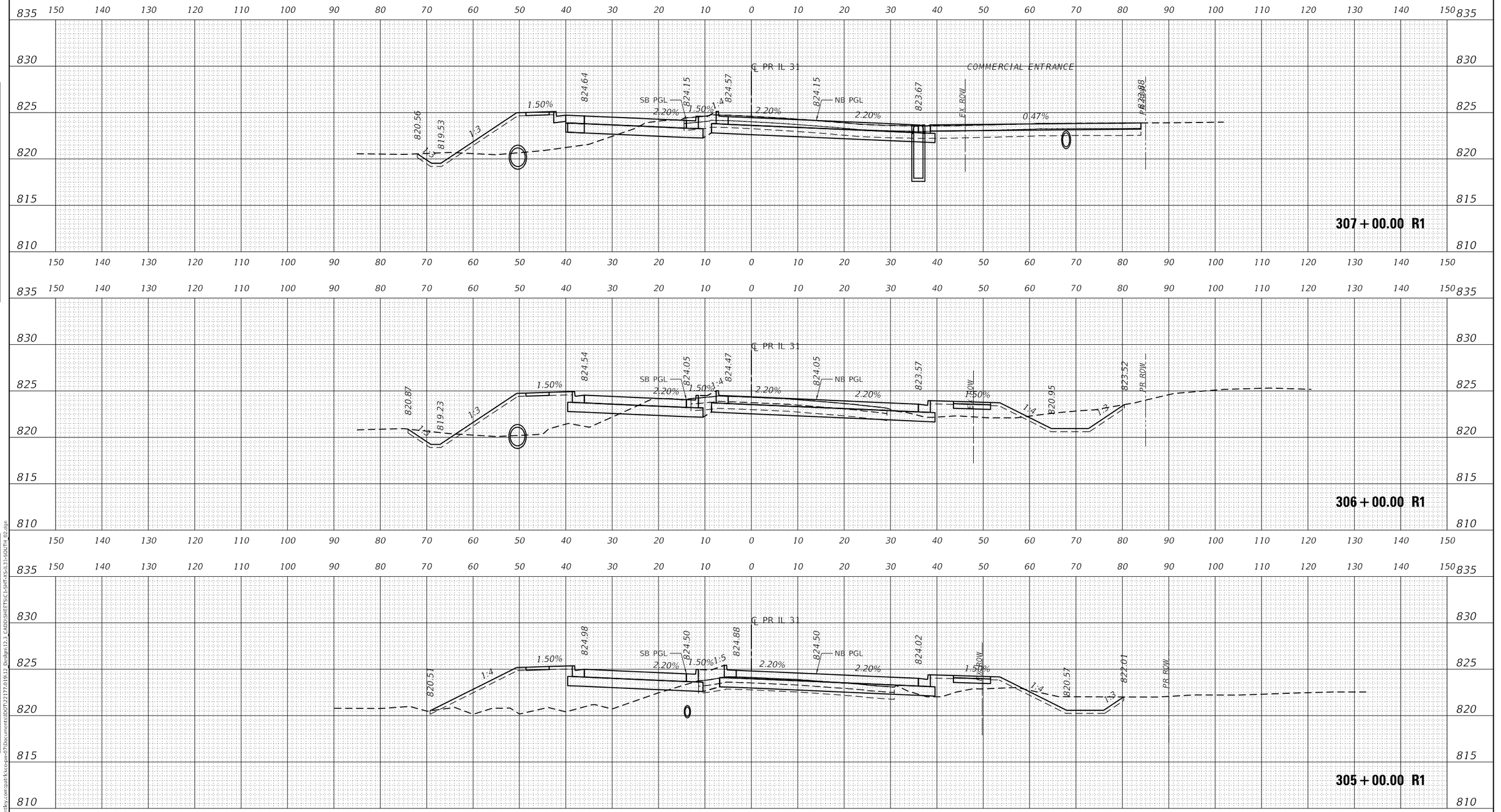
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 303+00.00 R1 TO STA. 304+80.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	780
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 305+00.00 R1 TO STA. 307+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	781
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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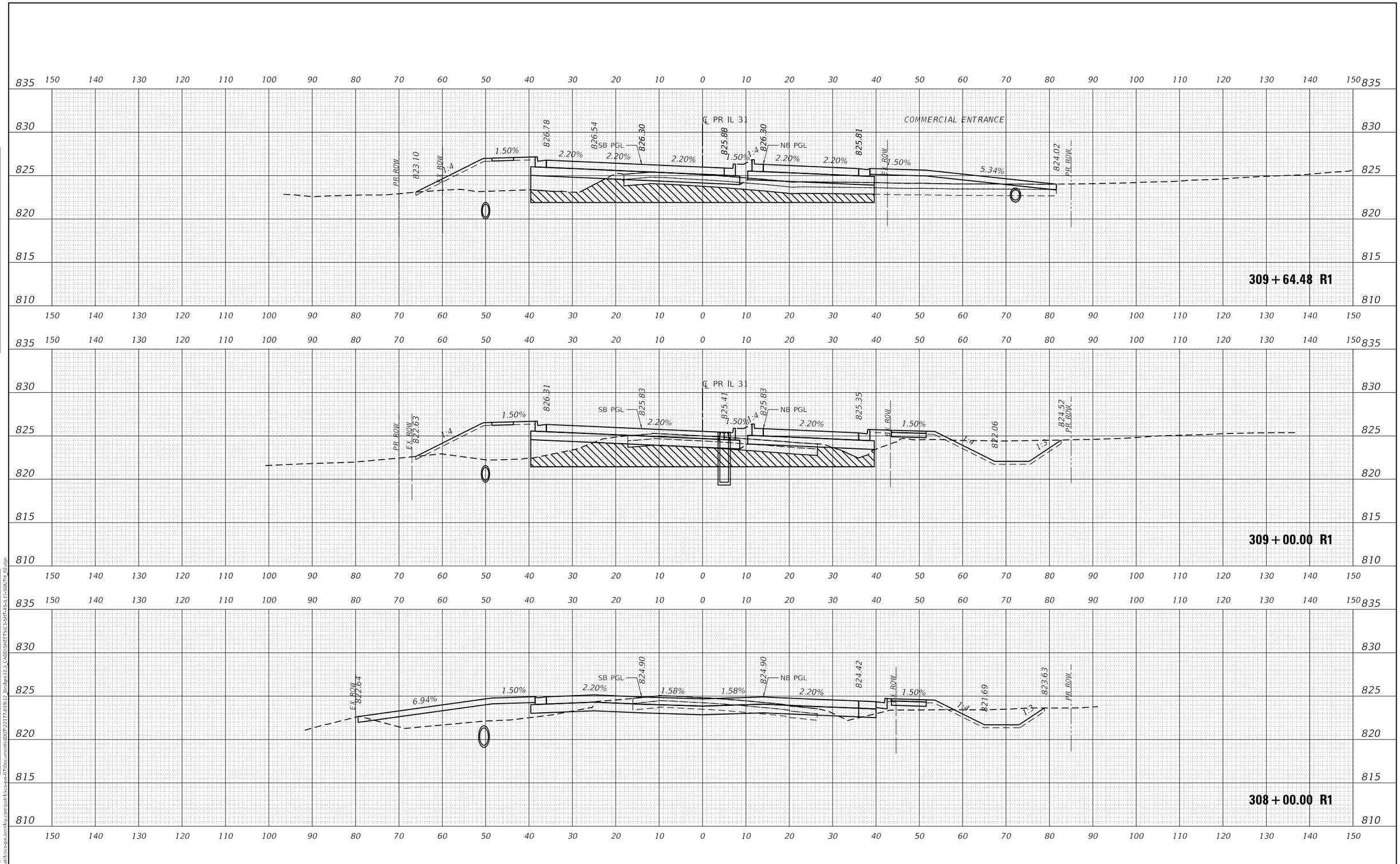

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

PATRICK a RSR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 308+00.00 R1 TO STA. 309+64.48 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	782

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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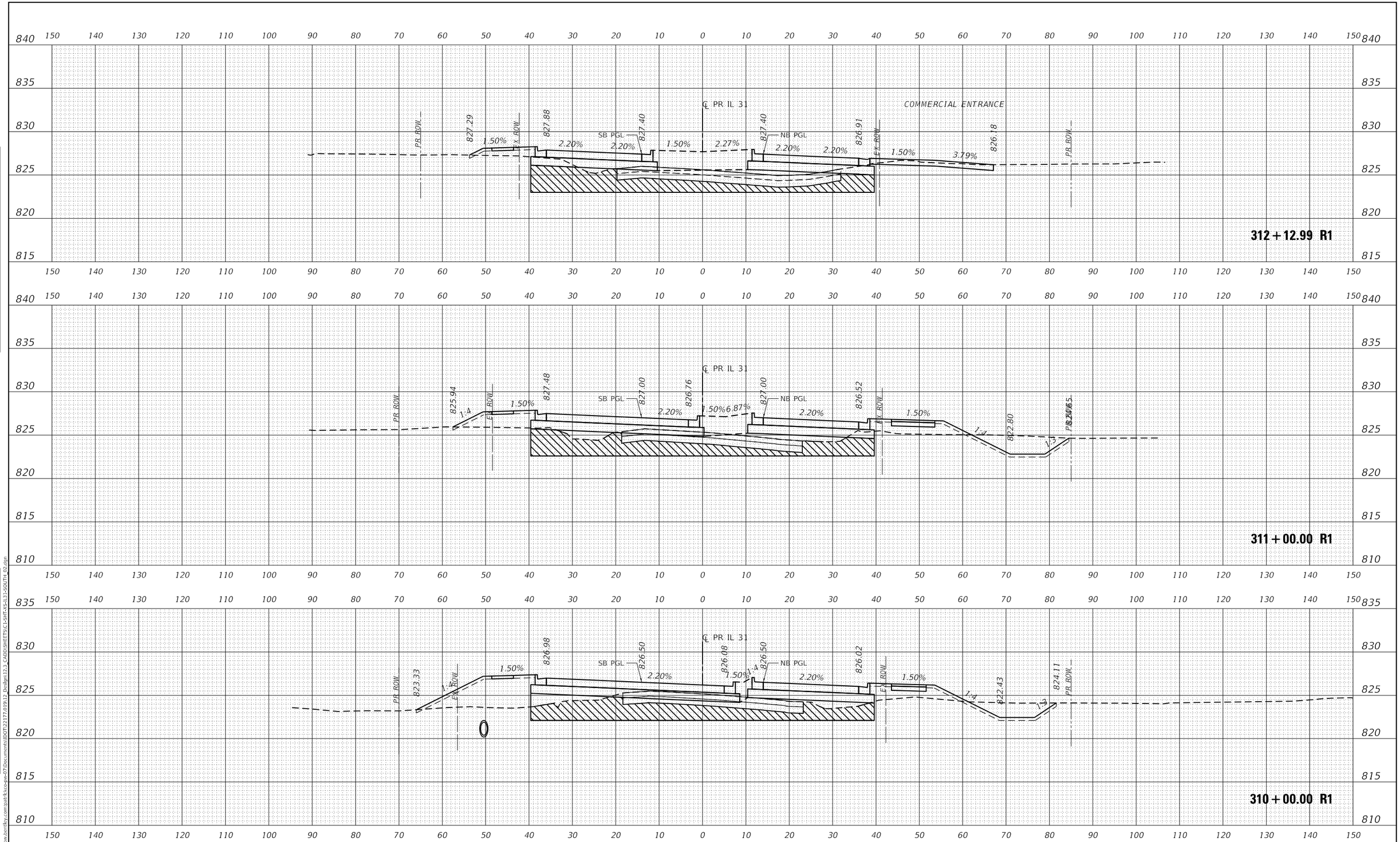

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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PATRICK a RIS company

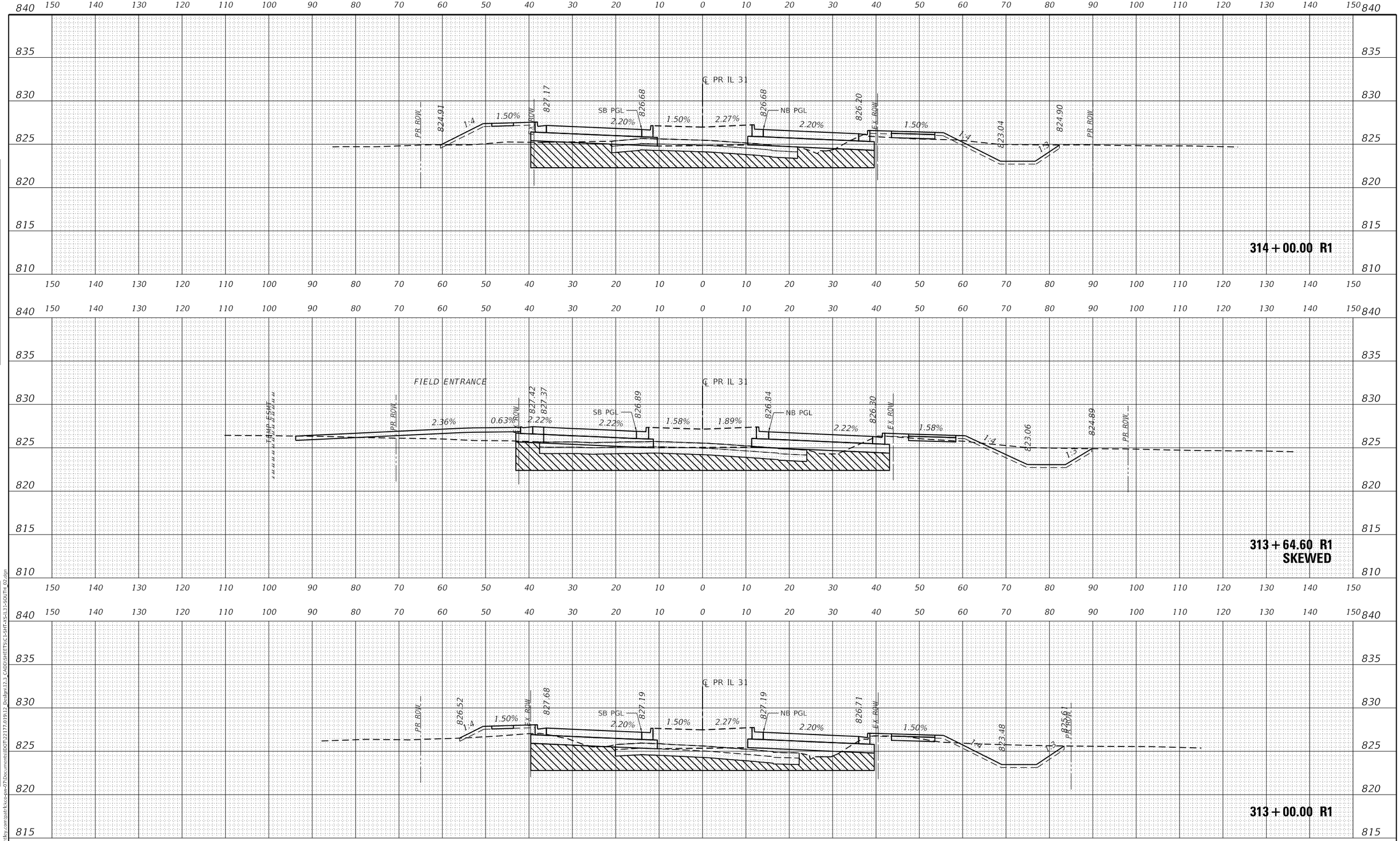
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 310+00.00 R1 TO STA. 312+12.99 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	783
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 313+00.00 R1 TO STA. 314+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	784
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | NO.
FINAL SURVEY | NOTE BOOK
ORIGINAL SURVEY | NOTE BOOK

MODEL: P_I_31_SOUTH
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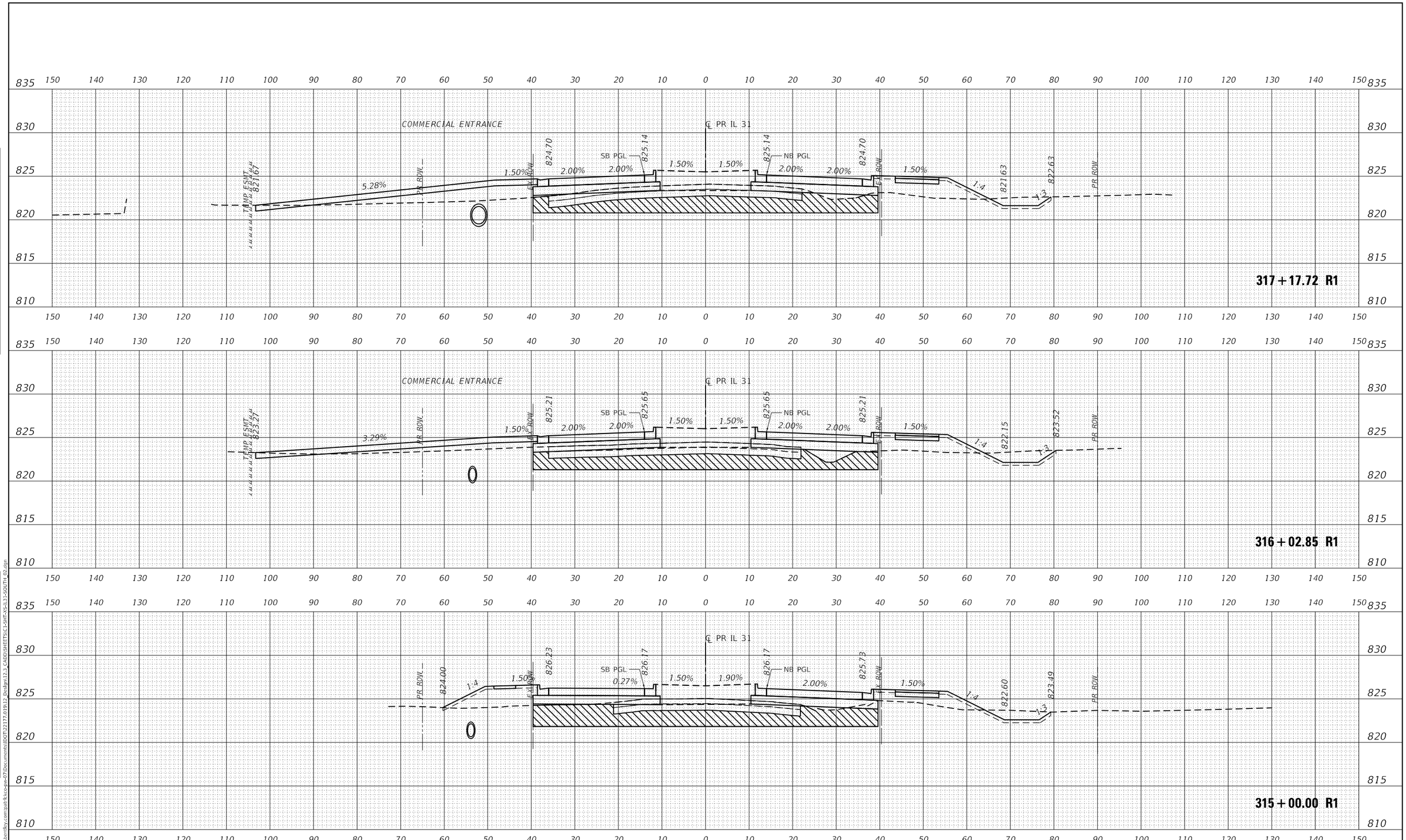

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 315+00.00 R1 TO STA. 317+17.72 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	785
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

MODEL: P_IL31_SOUTH
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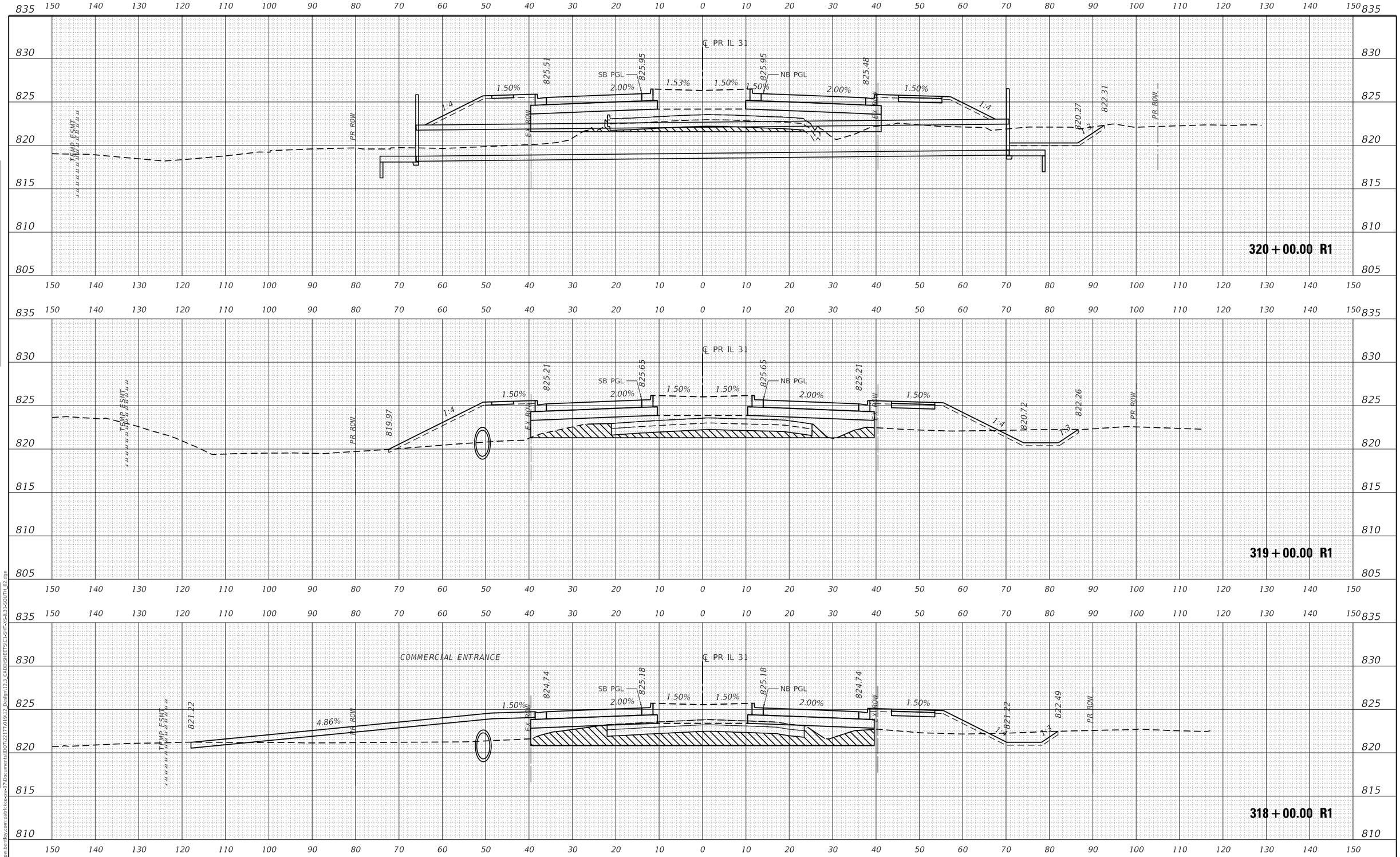

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 318+00.00 R1 TO STA. 320+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	786
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PATRICK a RIS company

MODEL: P_IL31_SOUTH
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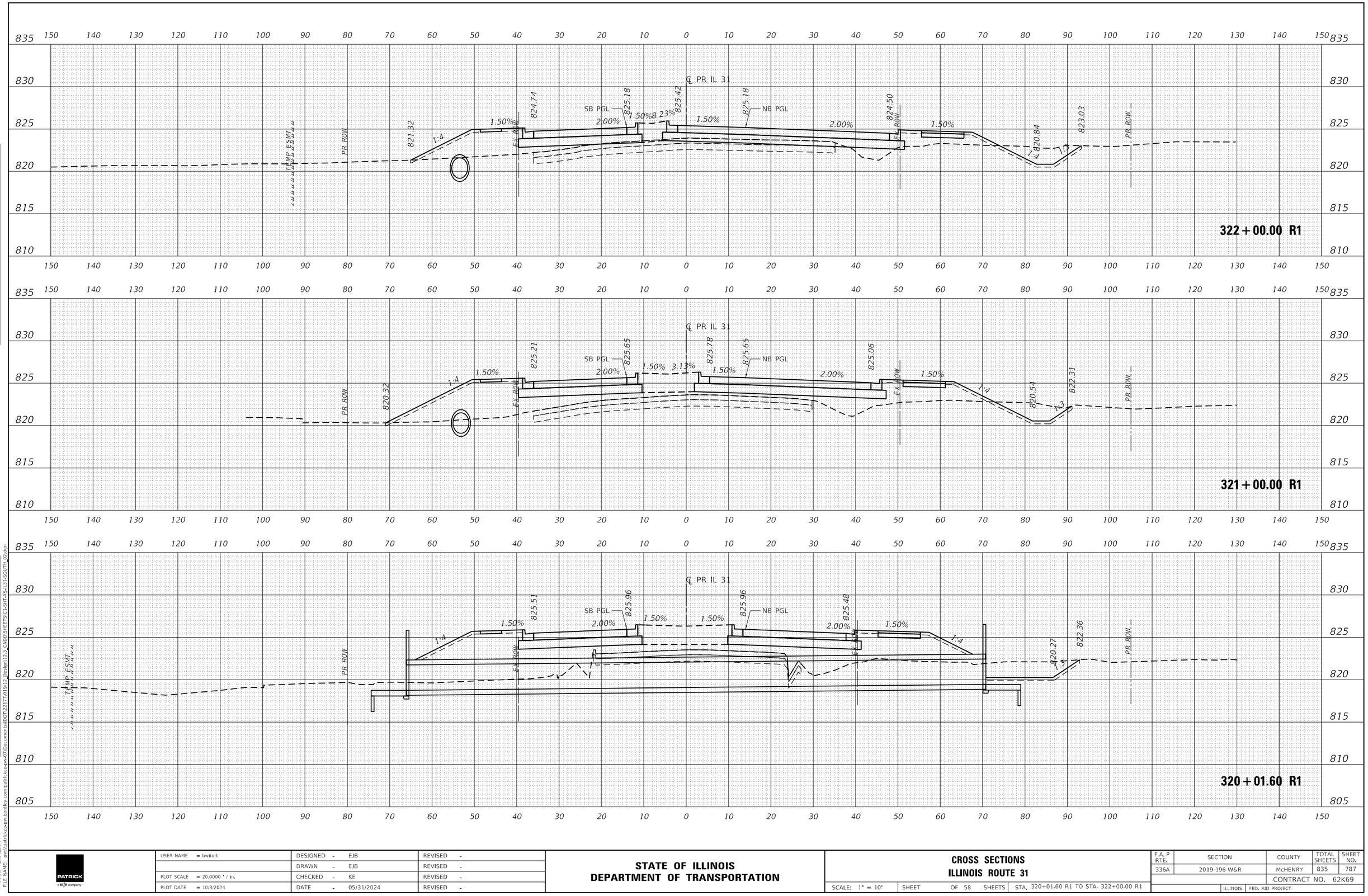

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 320+01.60 R1 TO STA. 322+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	787
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY NOTE BOOK NO. SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED BY DATE

ORIGINAL SURVEY NOTE BOOK NO. SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED BY DATE

MODEL: P_IL31_SOUTH
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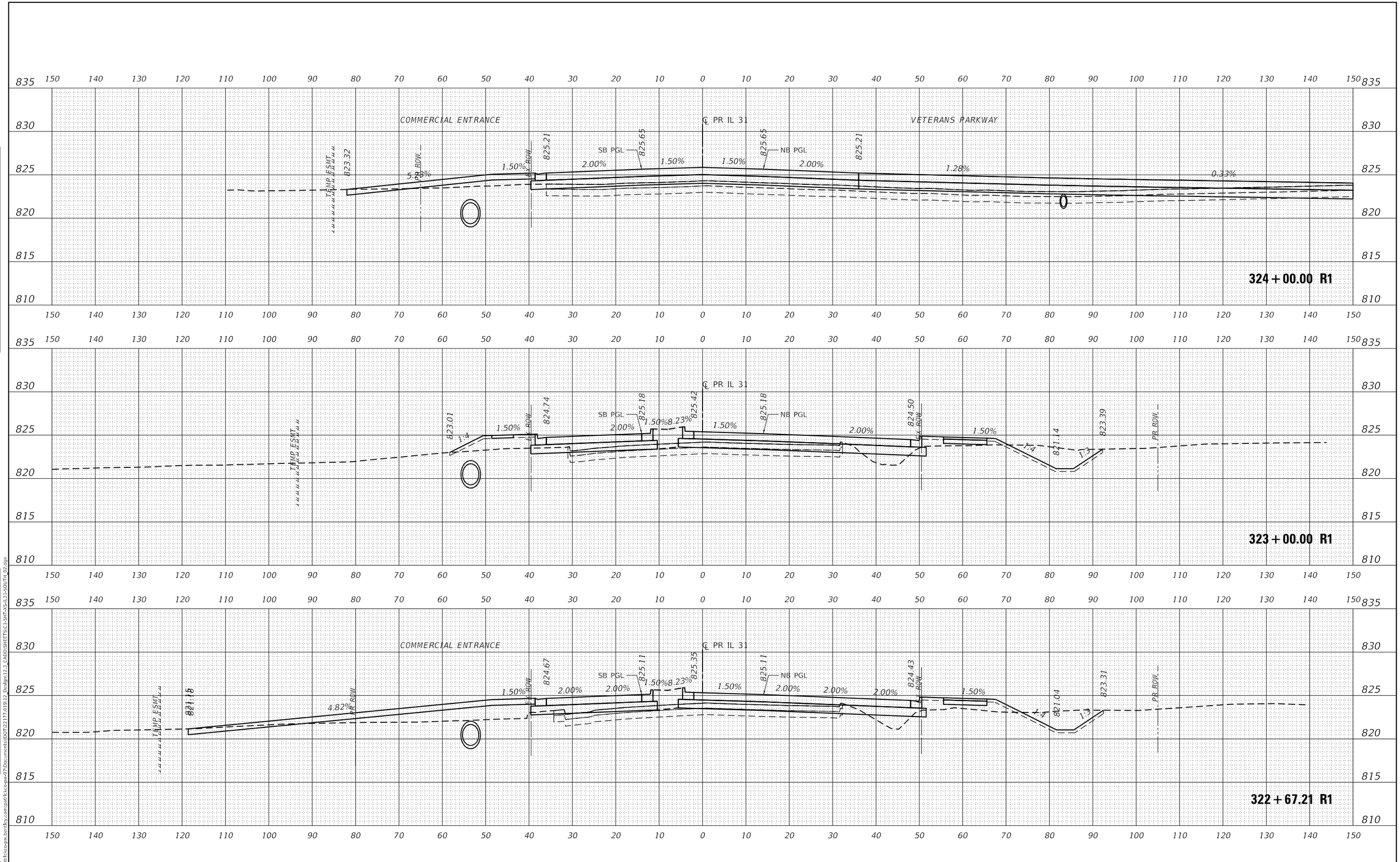

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 322+67.21 R1 TO STA. 324+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	788
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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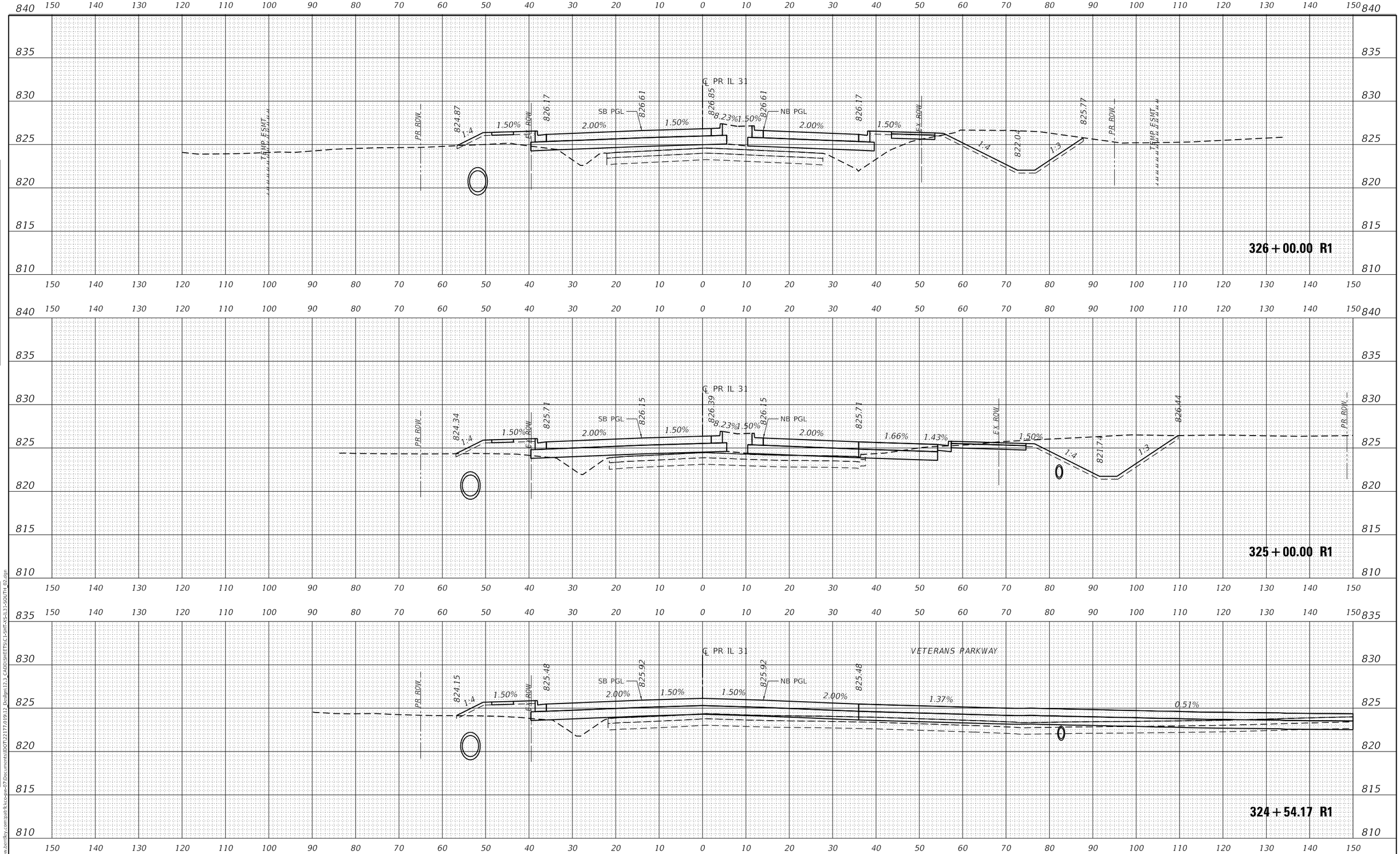

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

PATRICK a RS company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 324+54.17 R1 TO STA. 326+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	789

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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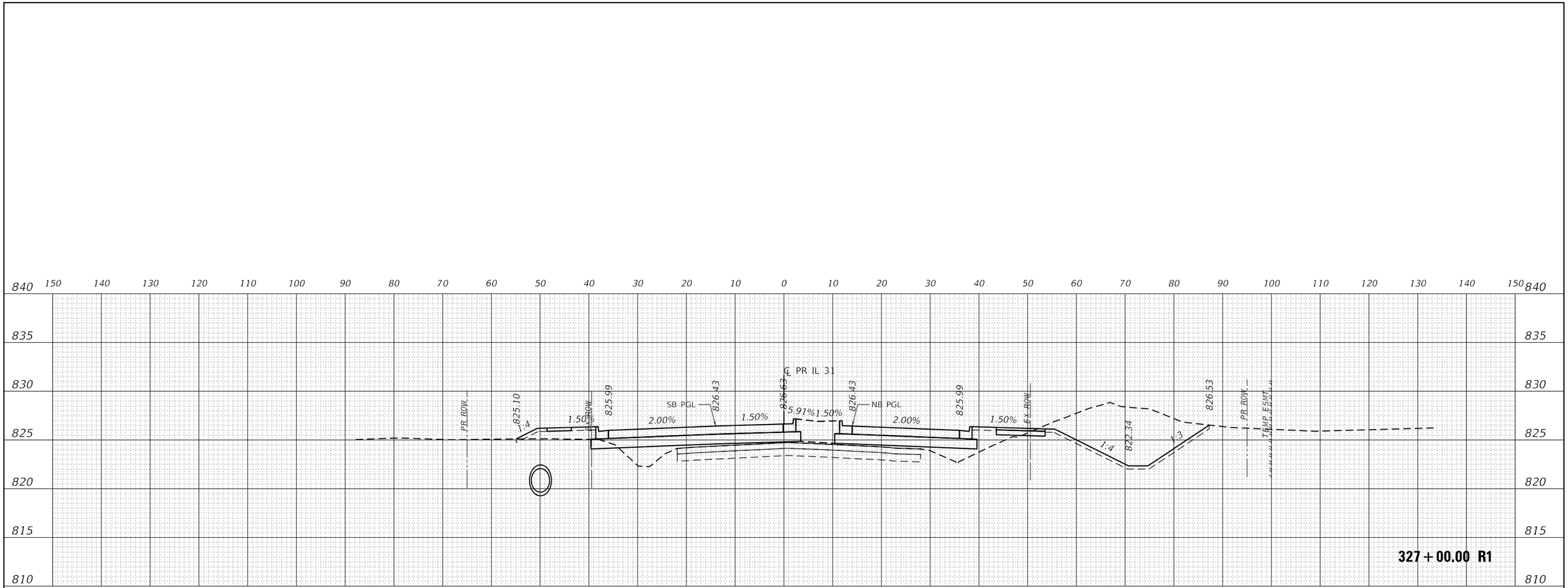

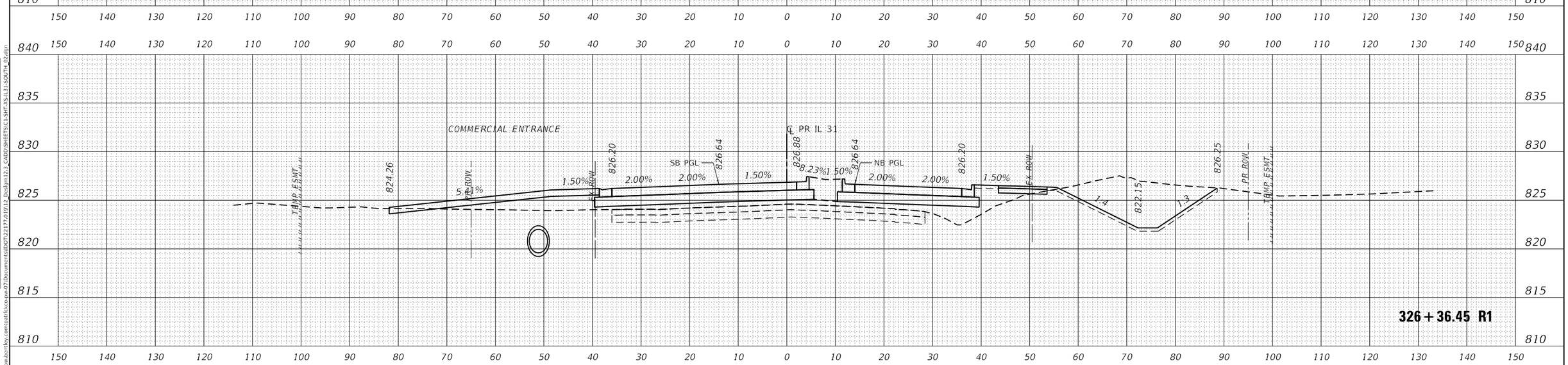

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

PATRICK a RSA company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 326+36.45 R1 TO STA. 327+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	790
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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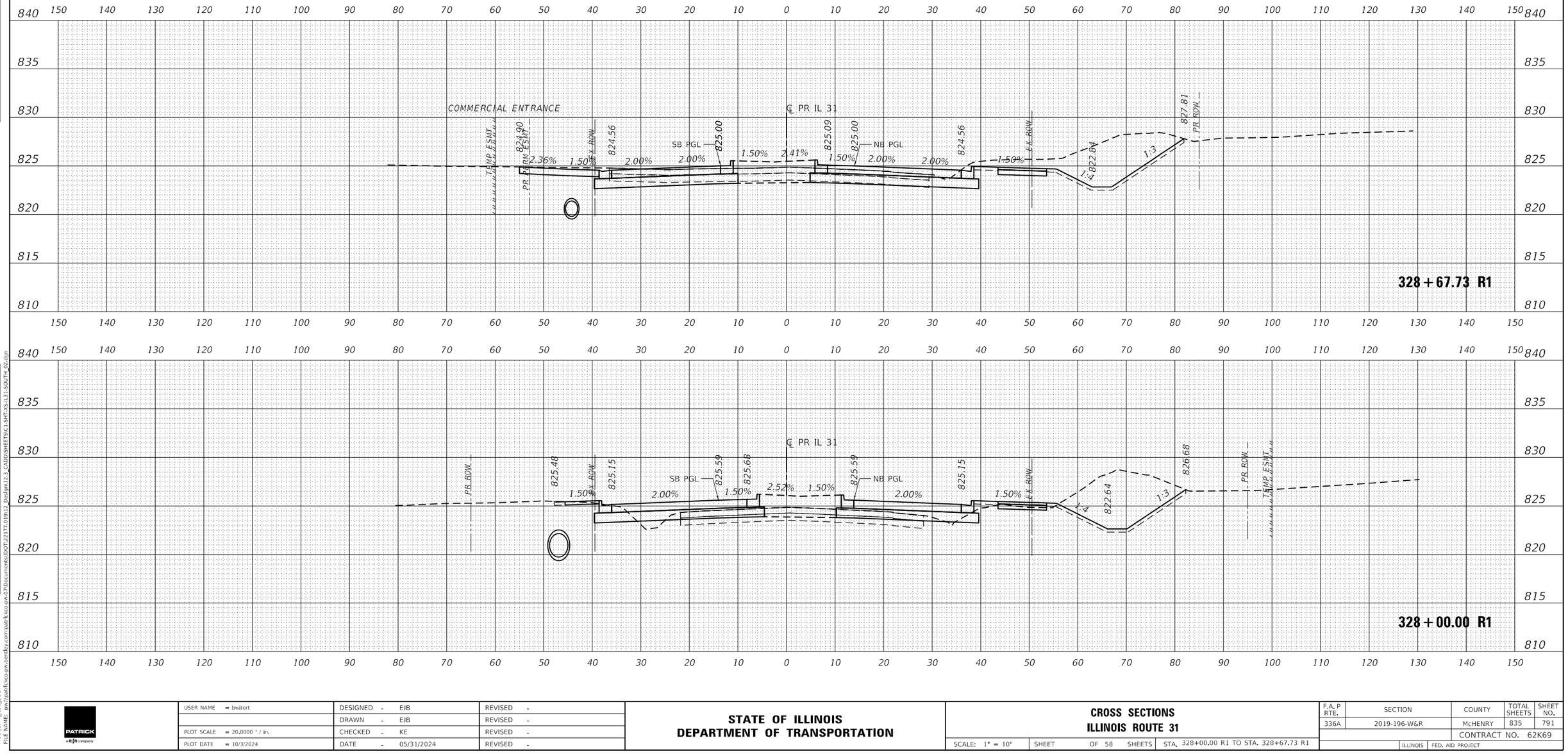

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 328+00.00 R1 TO STA. 328+67.73 R1	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -			

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	791
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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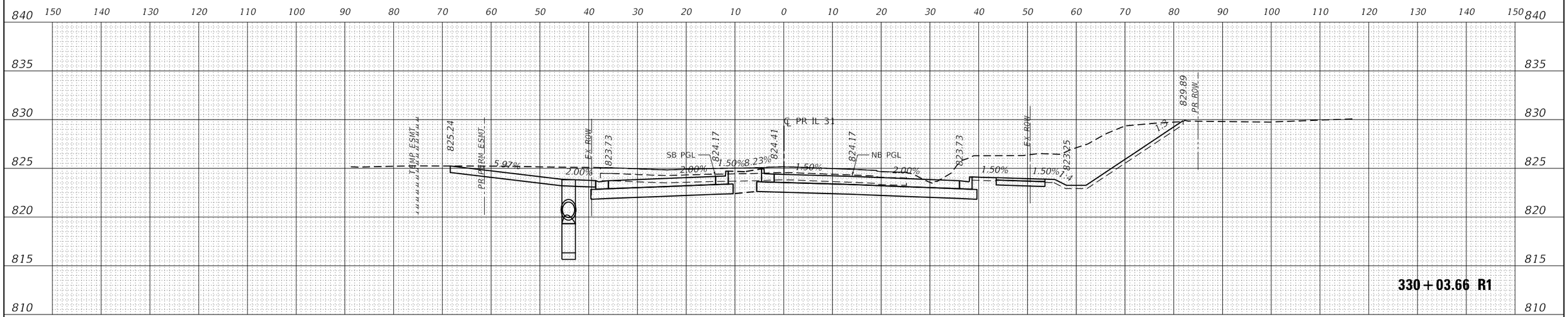

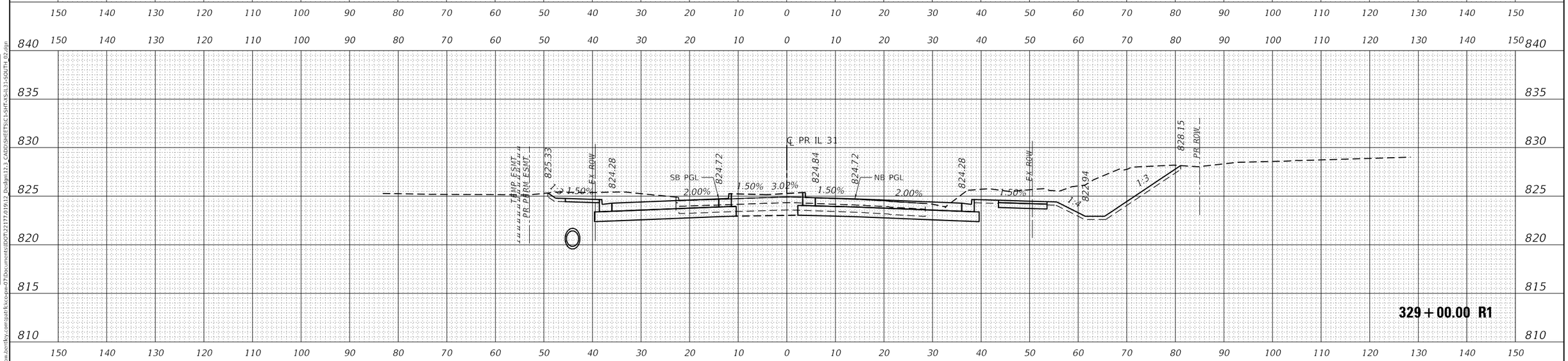

FINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: P_IL31_SOUTH
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PATRICK a RSA company

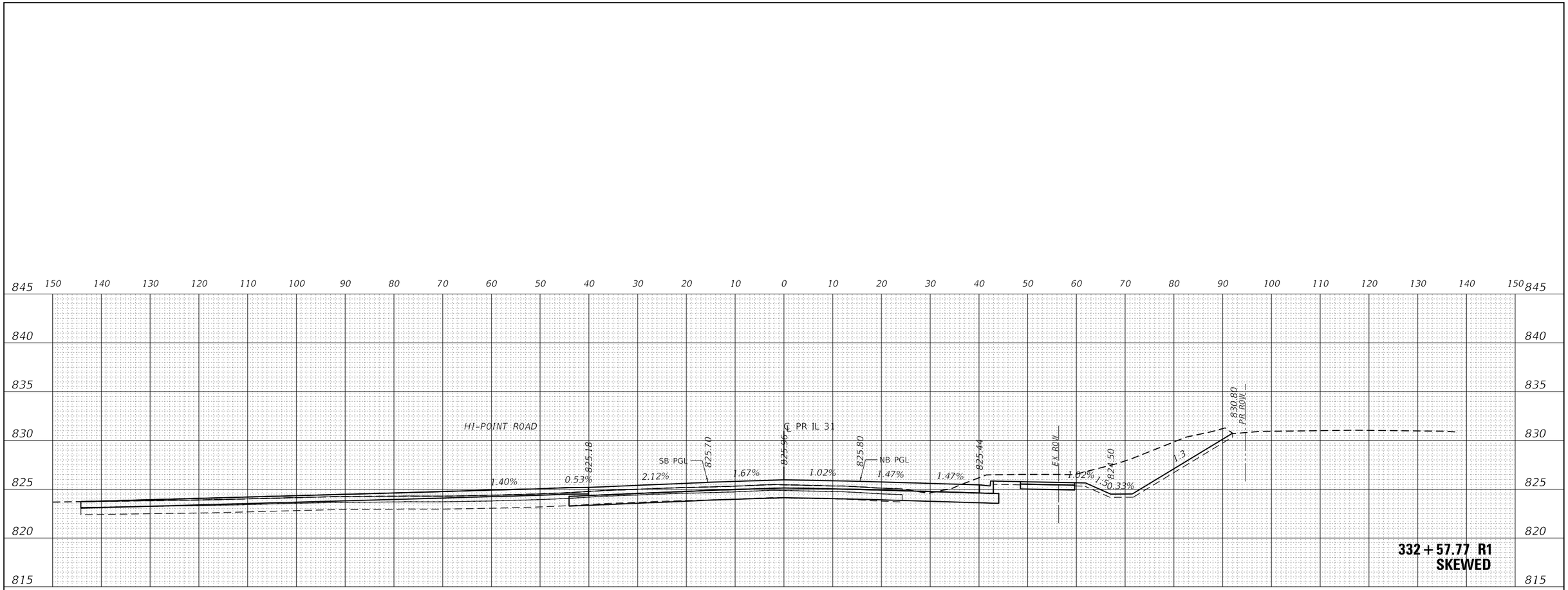
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

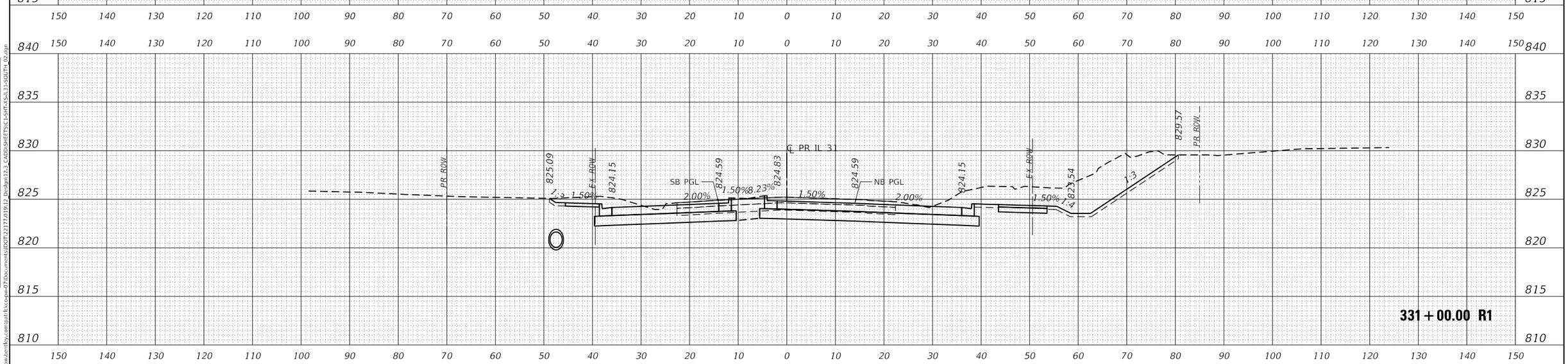
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 329+00.00 R1 TO STA. 330+02.36 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	792
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

PATRICK a RSR company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 331+00.00 R1 TO STA. 332+57.77 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	793
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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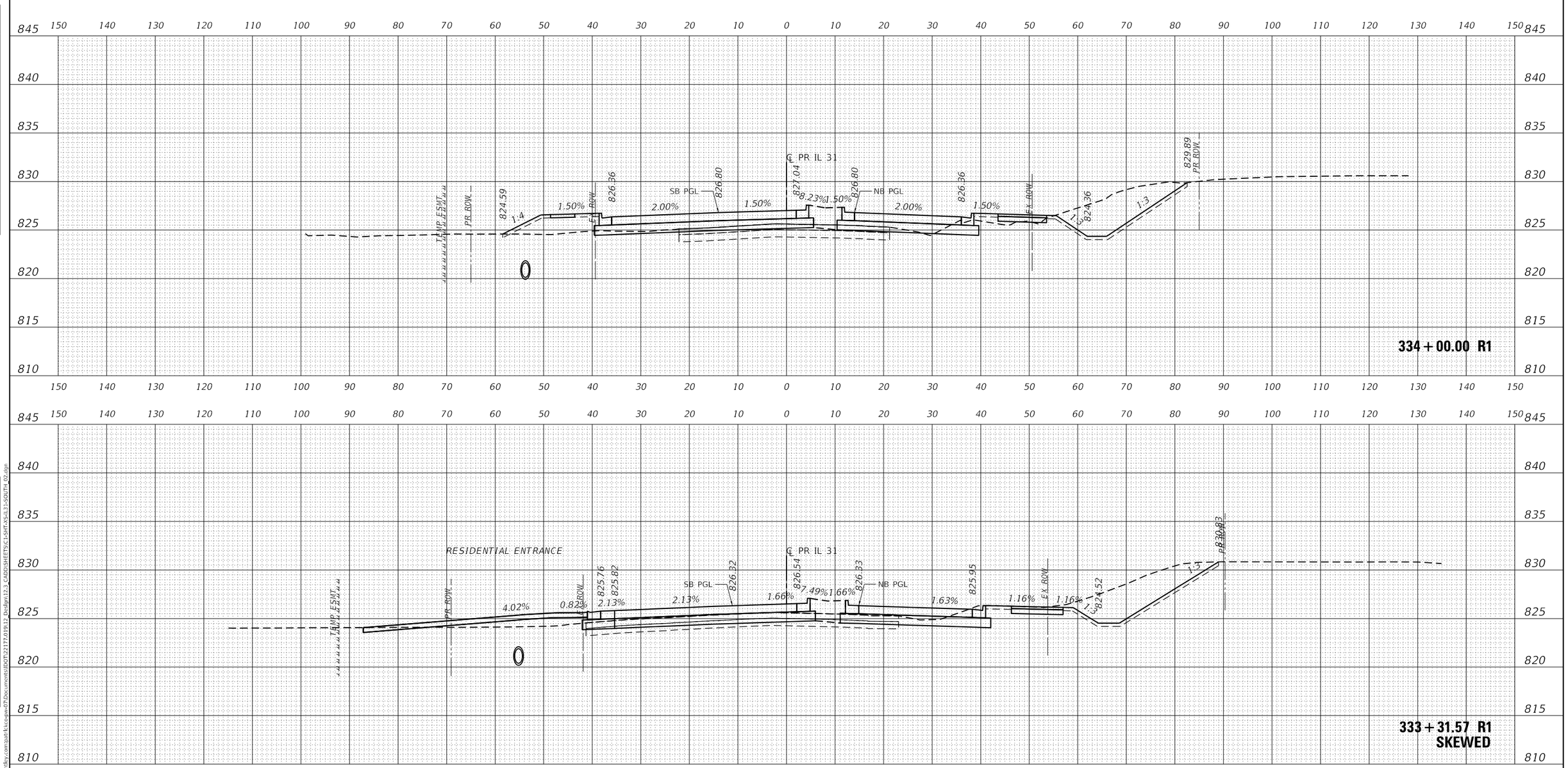


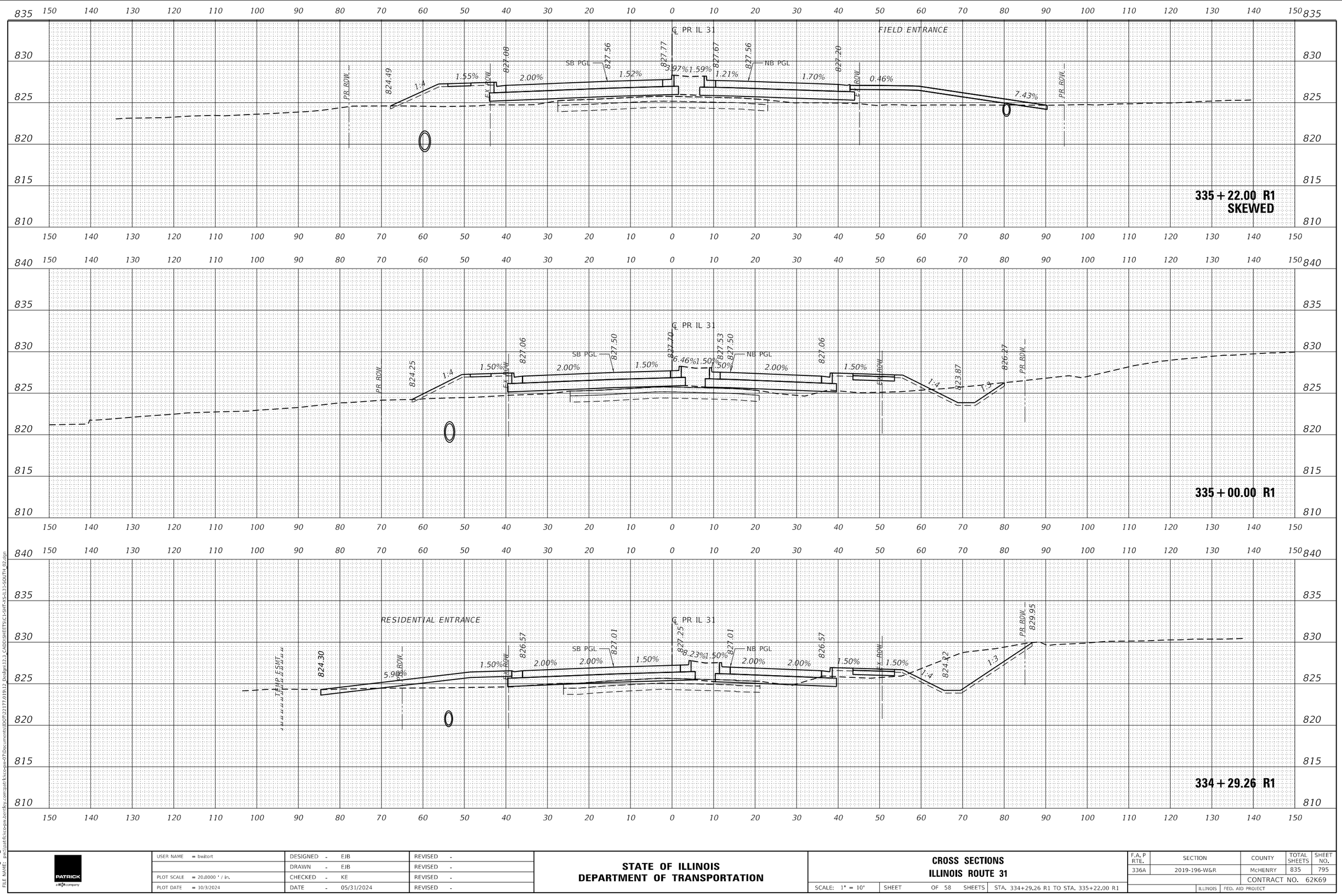
USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10'	SHEET OF 58 SHEETS STA. 333+31.57 R1 TO STA. 334+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	794
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY: SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO. — BY — DATE

ORIGINAL SURVEY: SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK NO. — BY — DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12 Design\12.3 CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_02.dgn



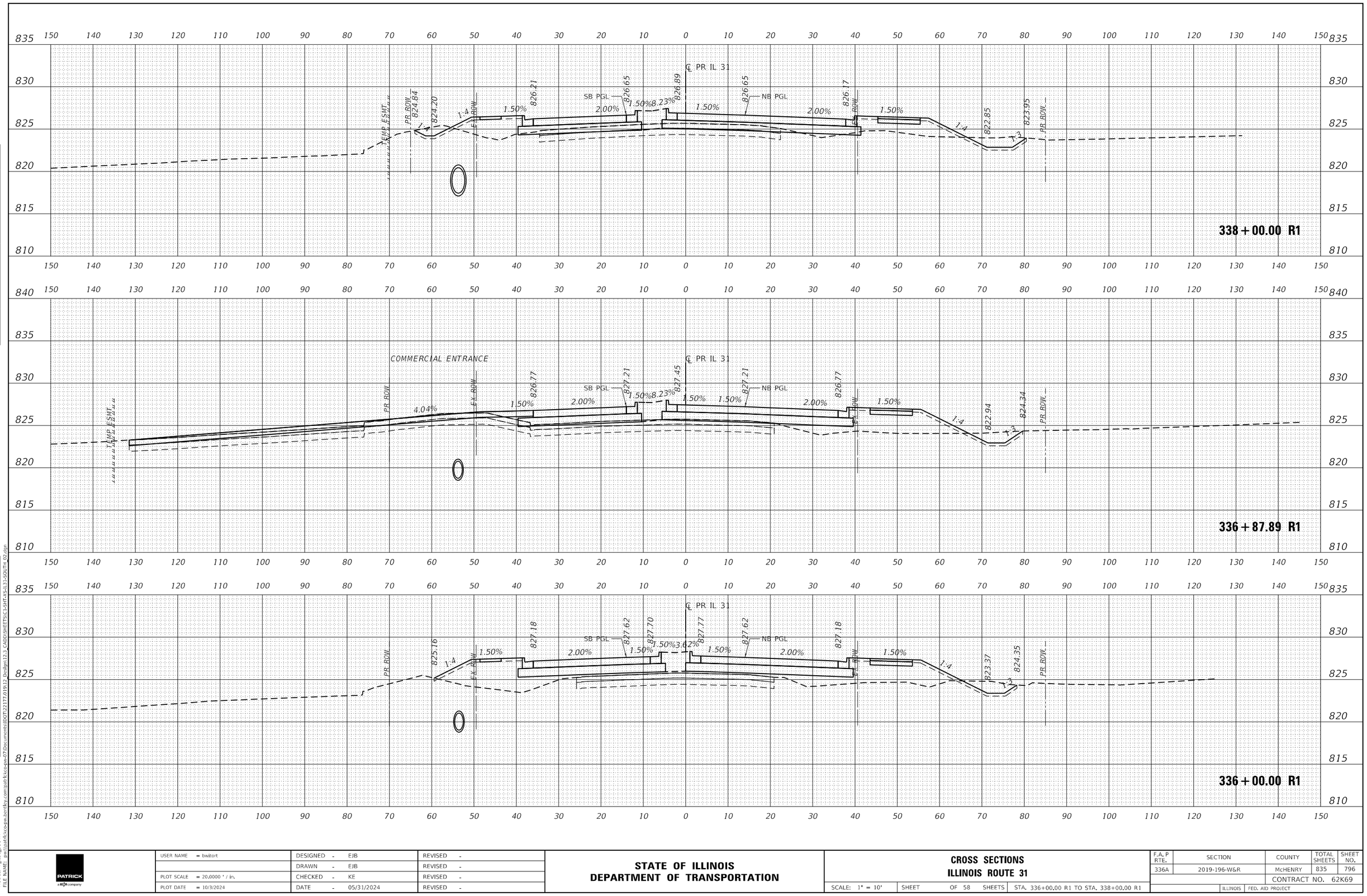
USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 334+29.26 R1 TO STA. 335+22.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	795
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY: NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY: NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_02.dgn



USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 336+00.00 R1 TO STA. 338+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	796
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY / ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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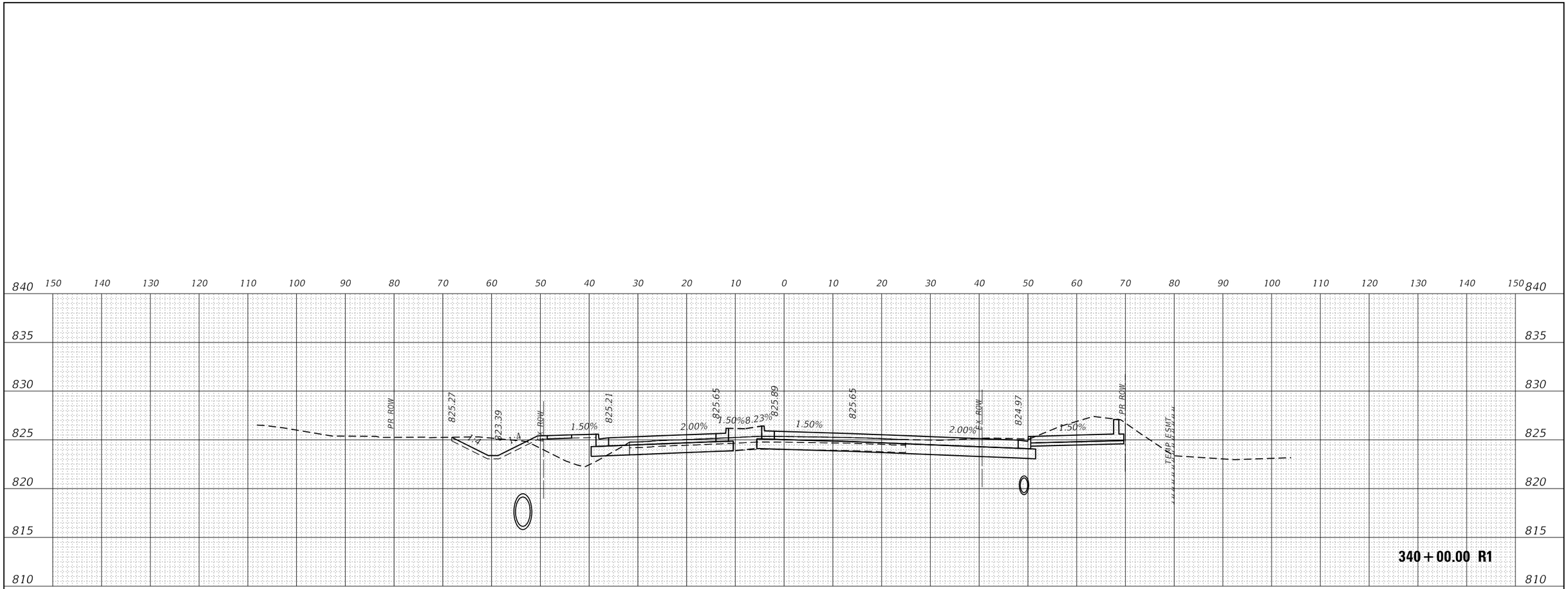

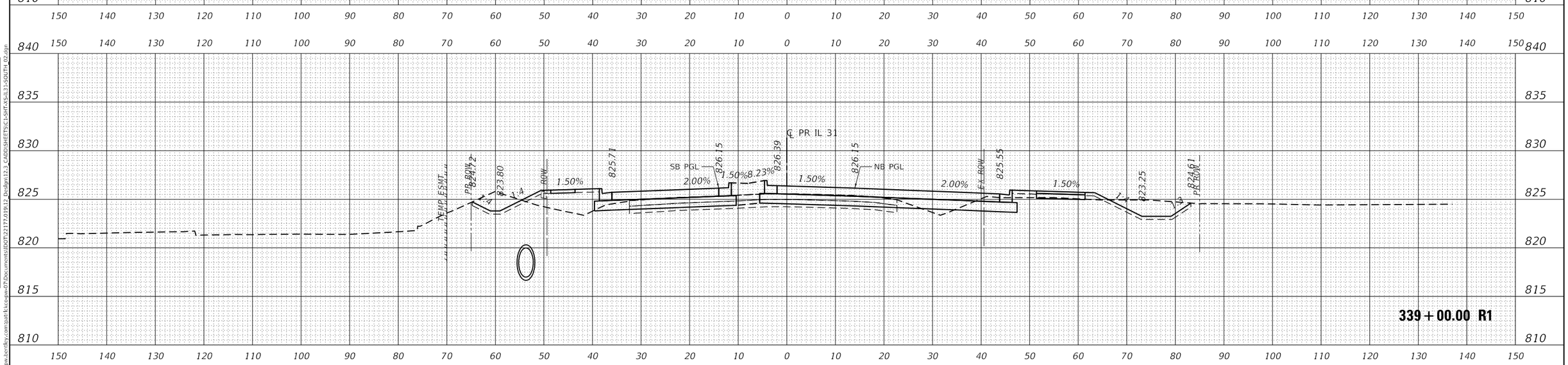

FINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: P_IL31_SOUTH
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PATRICK a RIS company

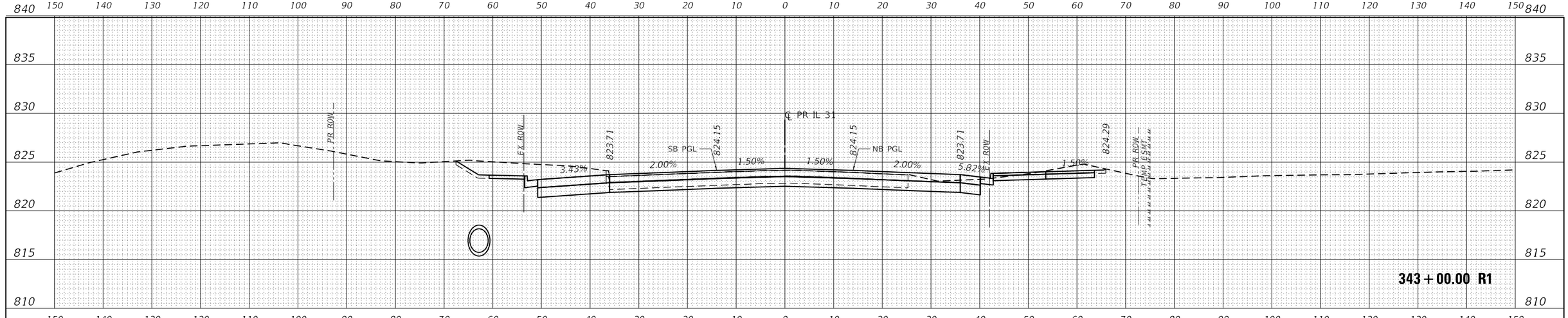
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

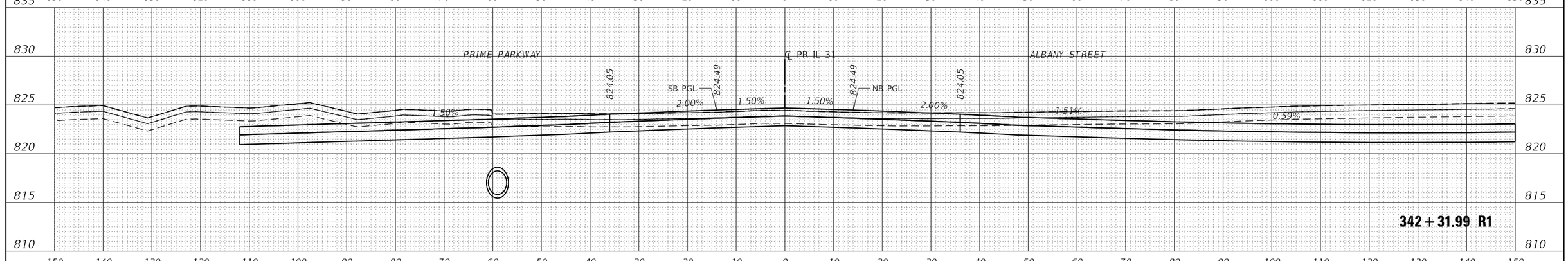
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

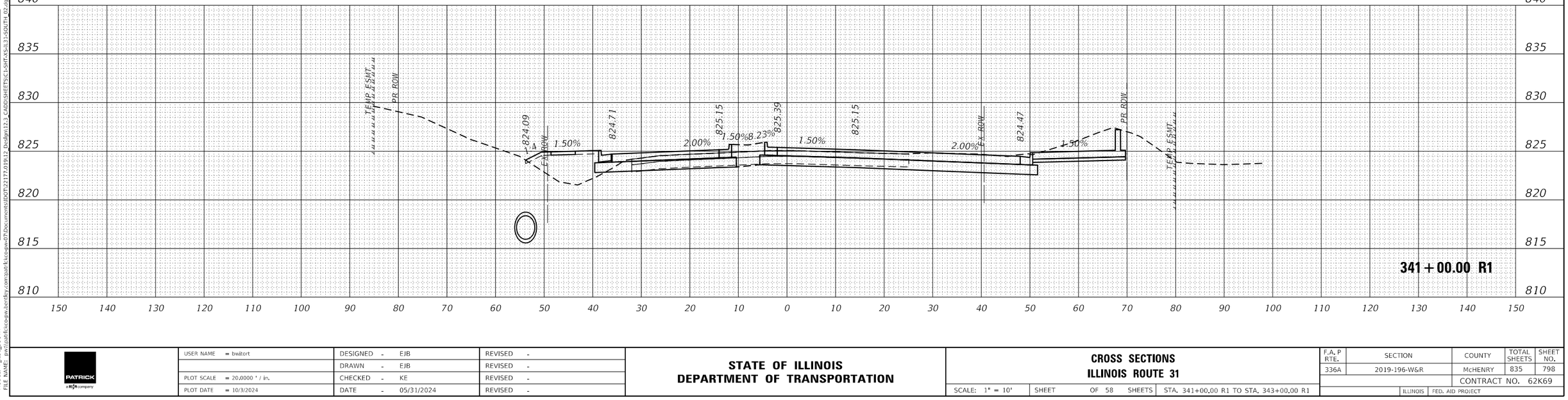
CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 339+00.00 R1 TO STA. 340+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	797
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	







USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 341+00.00 R1 TO STA. 343+00.00 R1	

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	798
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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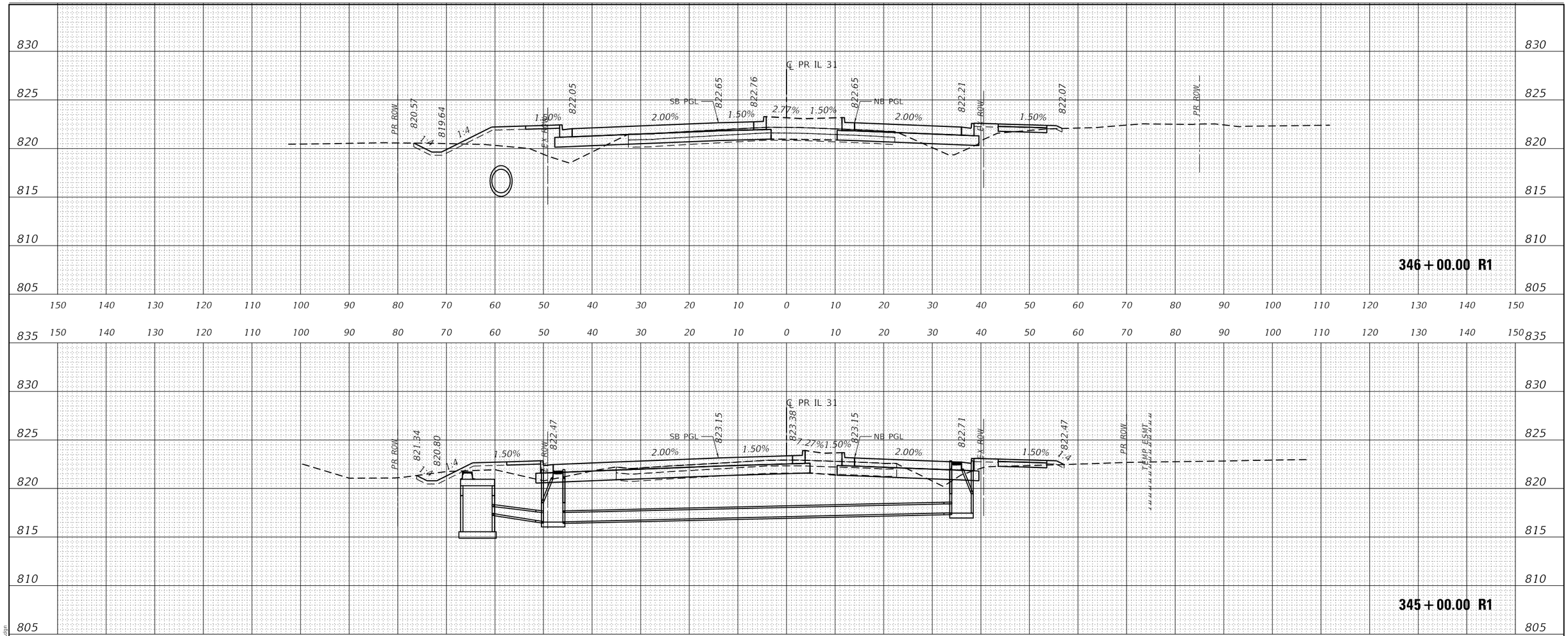

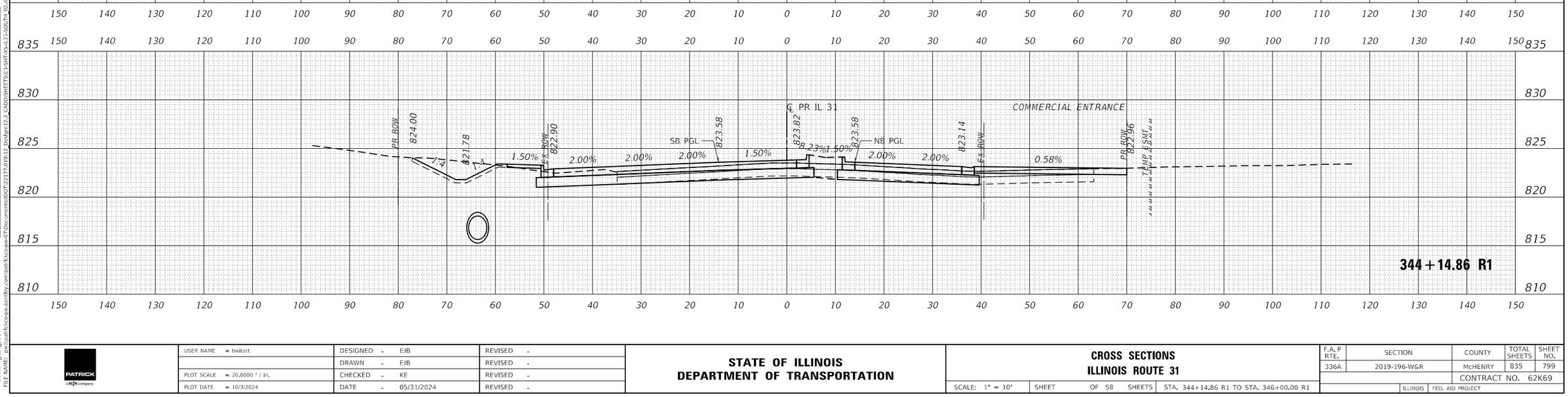

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 344+14.86 R1 TO STA. 346+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	799
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO.
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO.
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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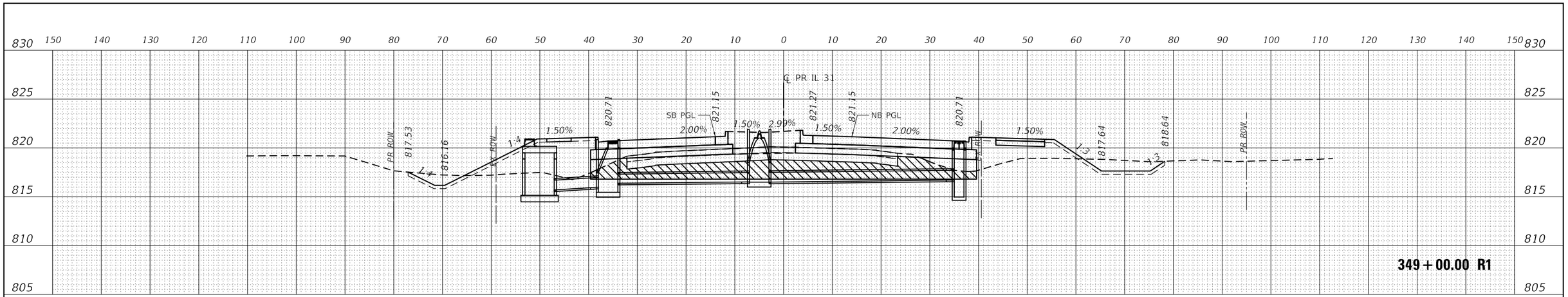

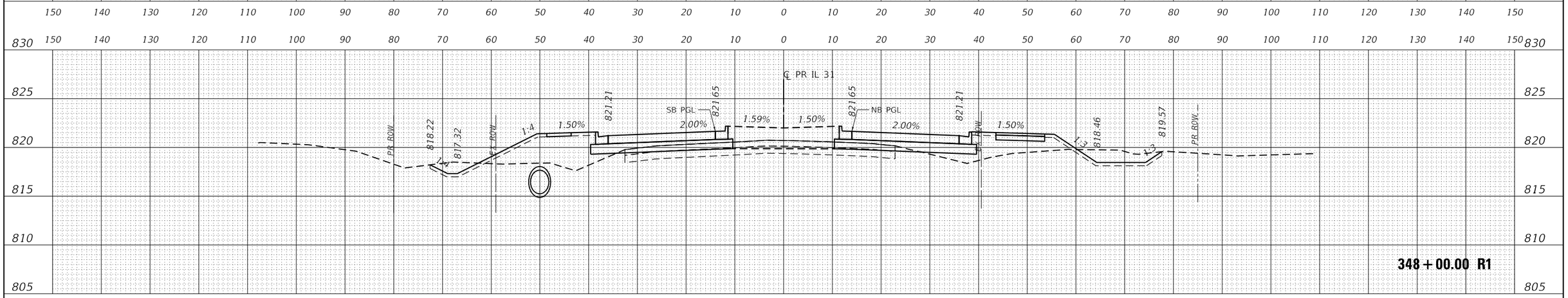

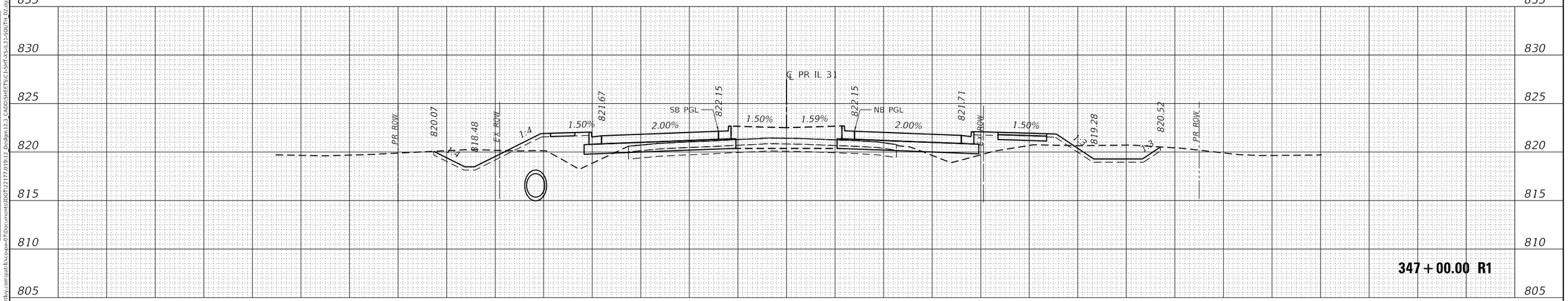

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 347+00.00 R1 TO STA. 349+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	800
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY / ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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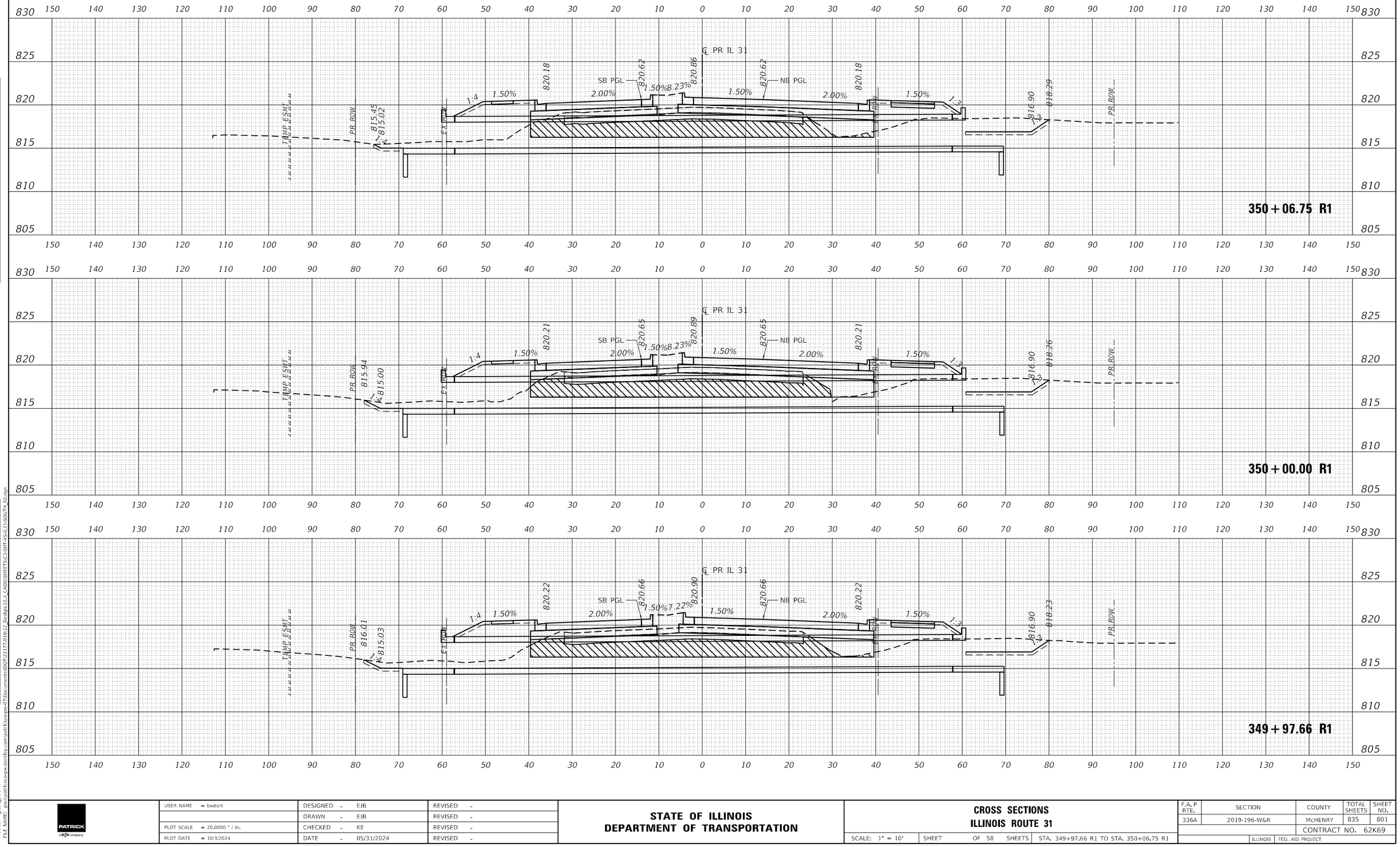

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 349+97.66 R1 TO STA. 350+06.75 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	801
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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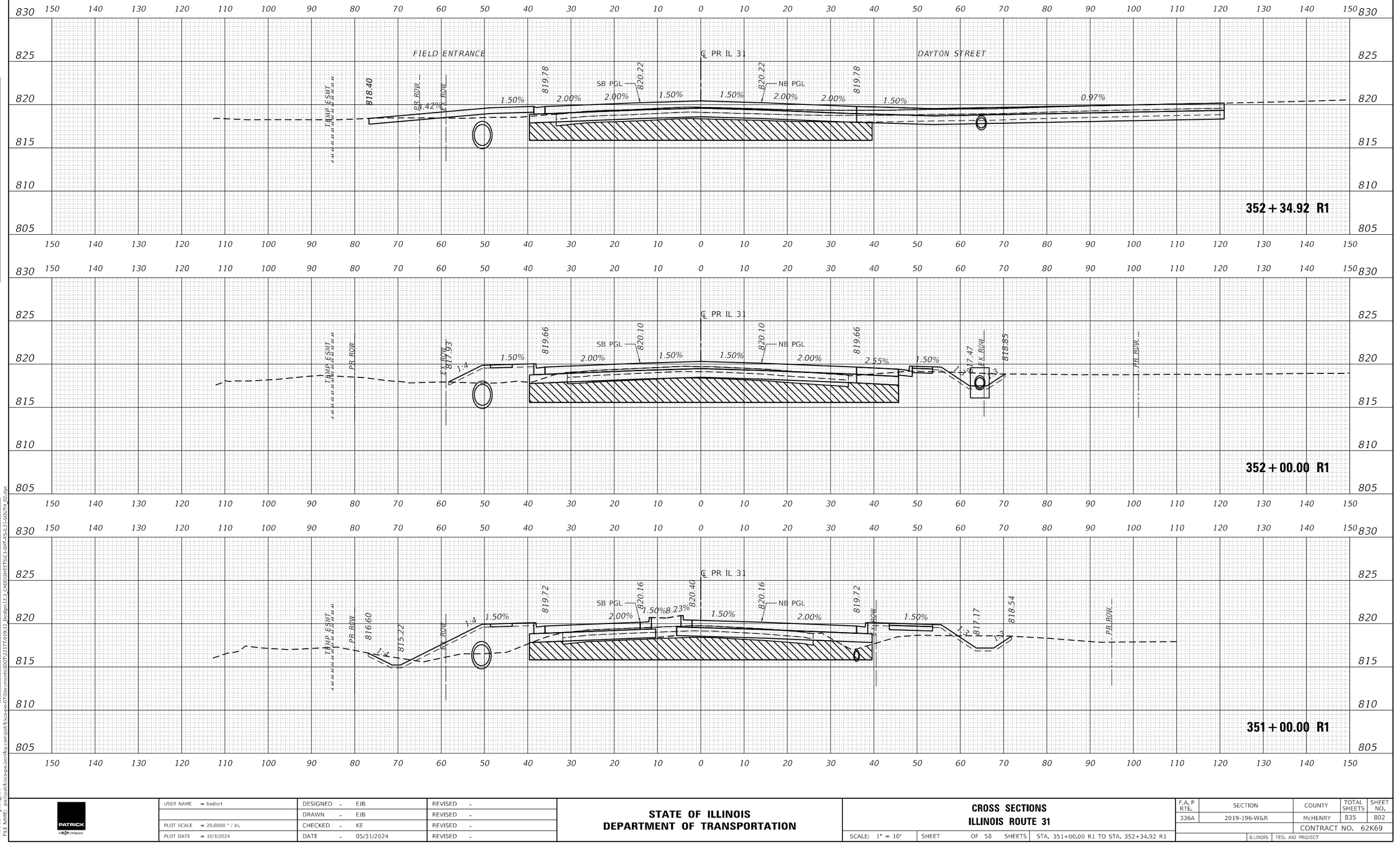

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	**CROSS SECTIONS**
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	**ILLINOIS ROUTE 31**

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 351+00.00 R1 TO STA. 352+34.92 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	802
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | NO. | NOTE BOOK | ORIGINAL SURVEY | FINAL SURVEY

MODEL: P_IL31_SOUTH
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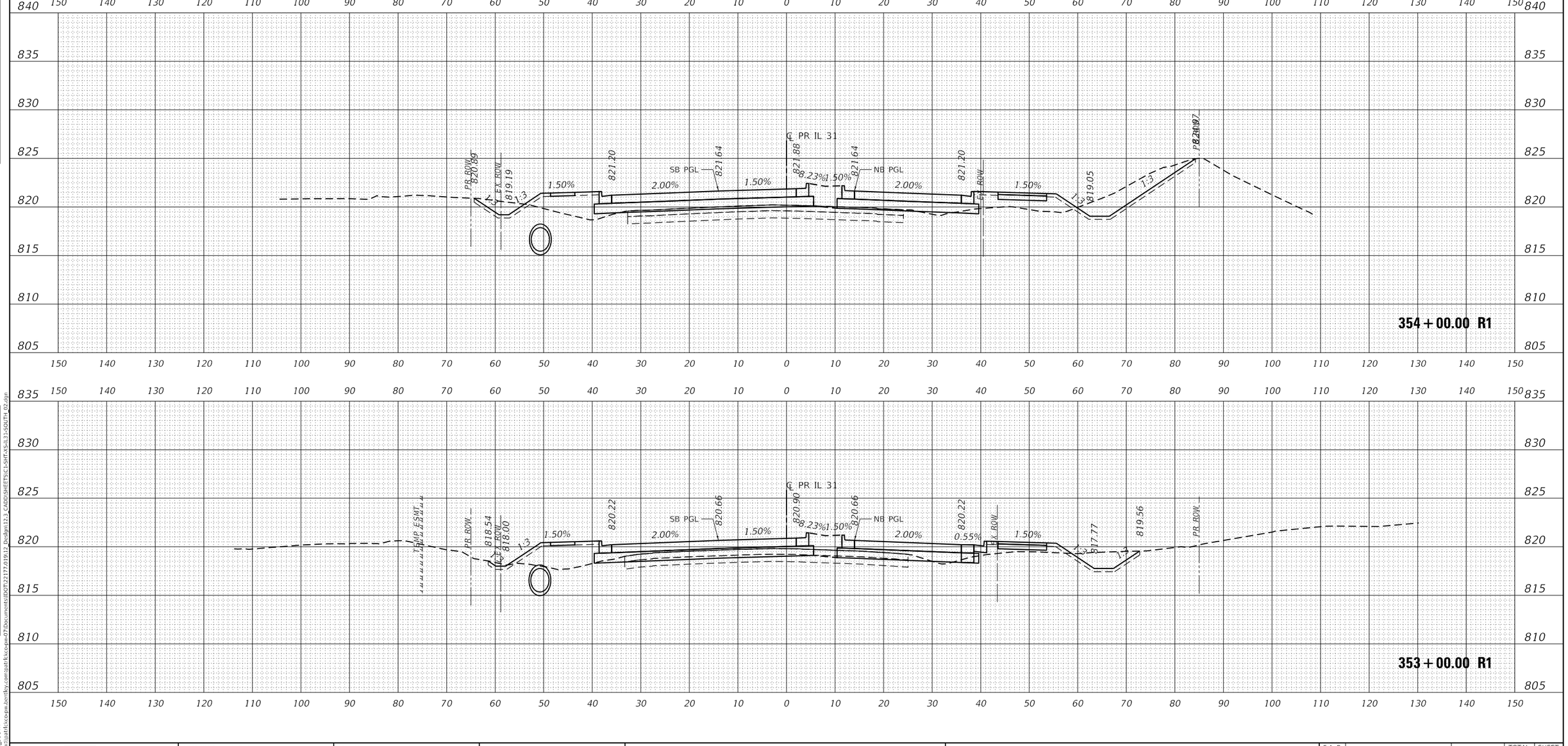

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 353+00.00 R1 TO STA. 354+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	803
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — BY — DATE — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO. — BY — DATE — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

MODEL: P_IL31_SOUTH
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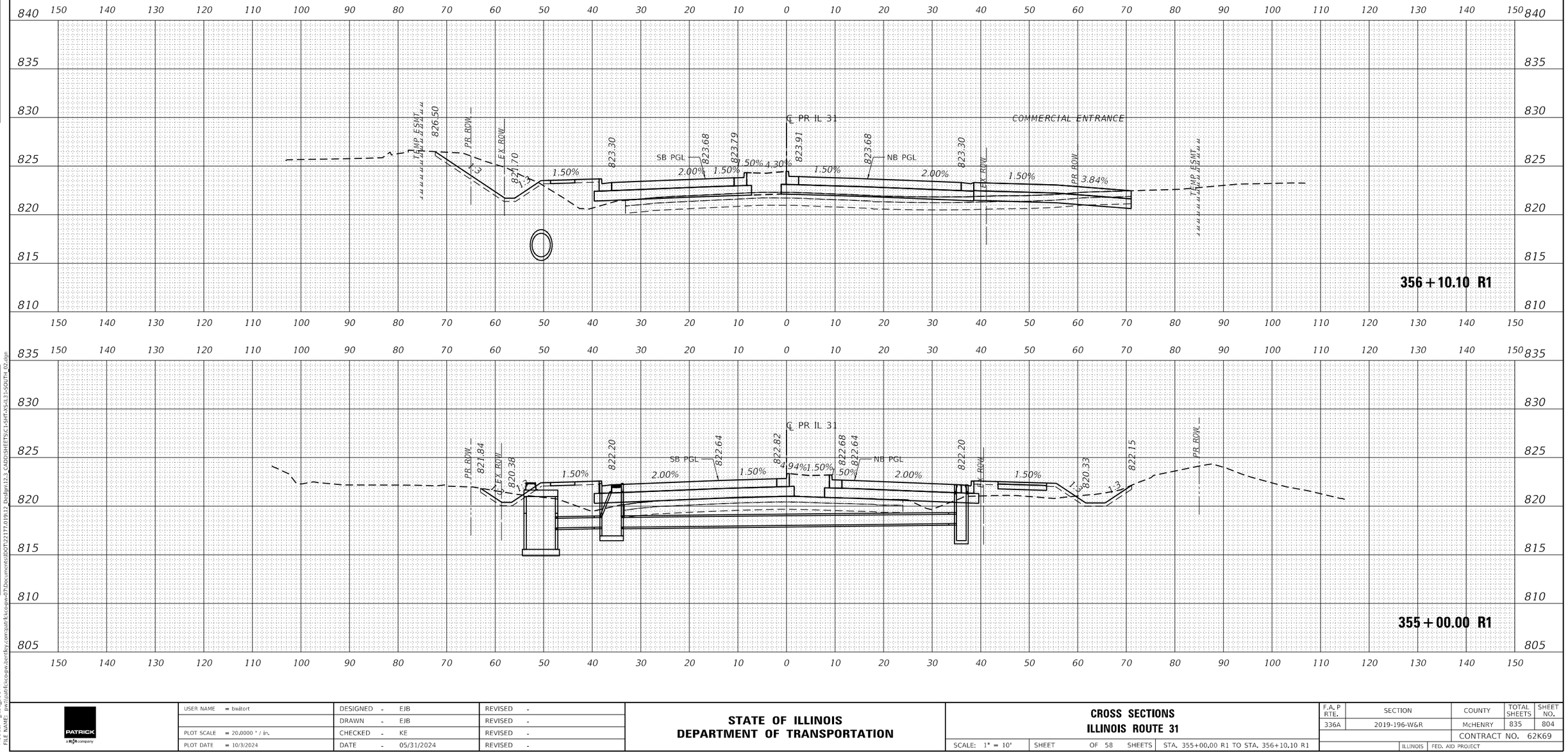

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 355+00.00 R1 TO STA. 356+10.10 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	804
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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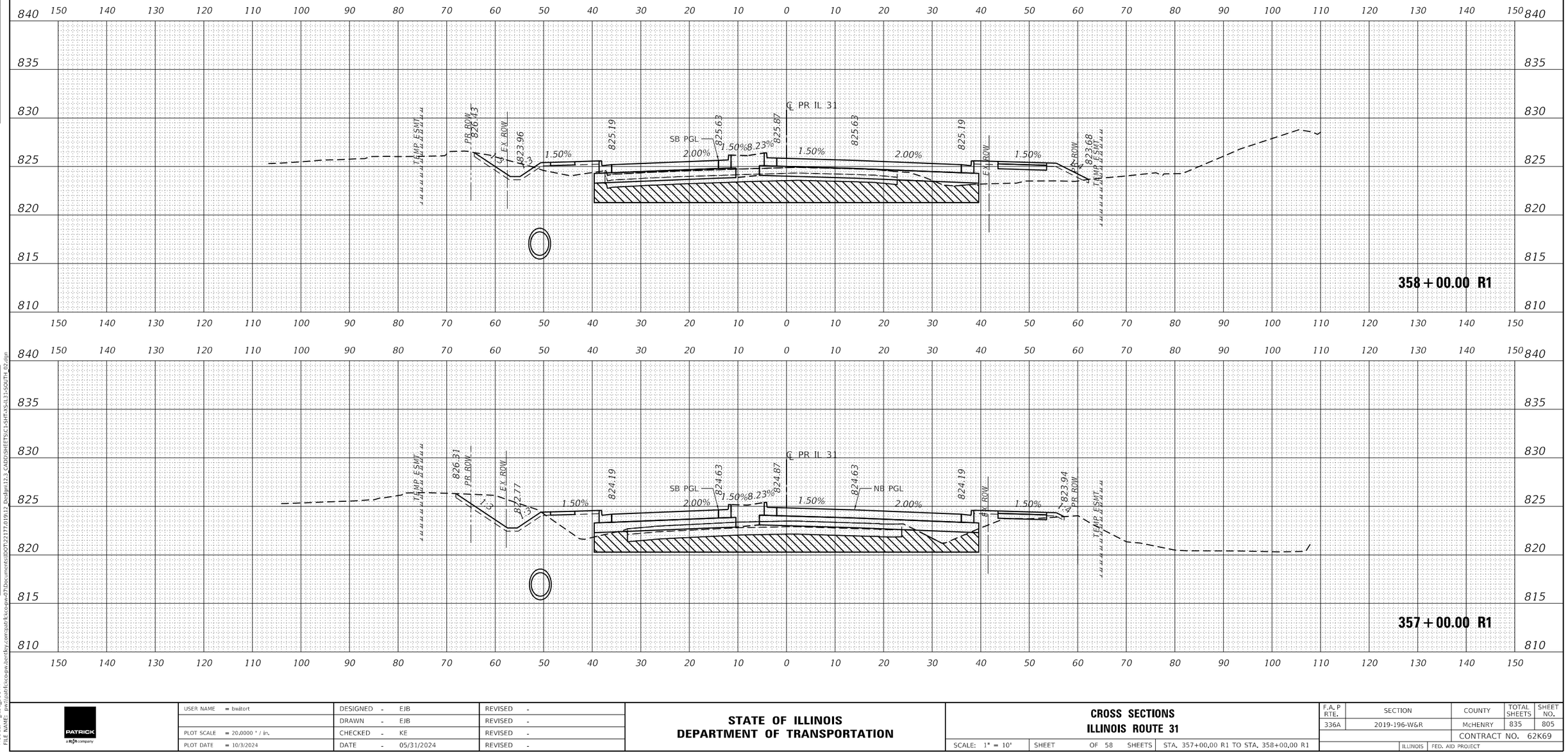

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**ILLINOIS ROUTE 31**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 357+00.00 R1 TO STA. 358+00.00 R1
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	805
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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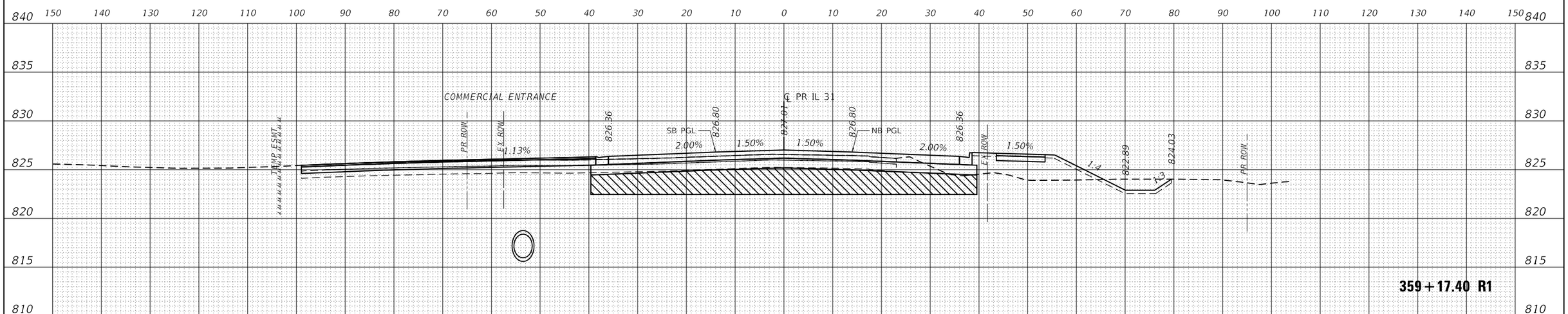
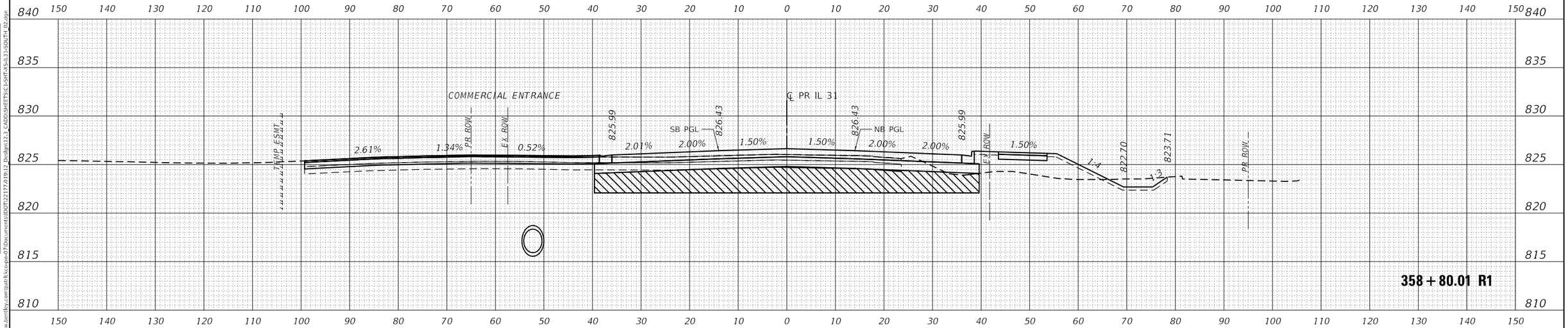


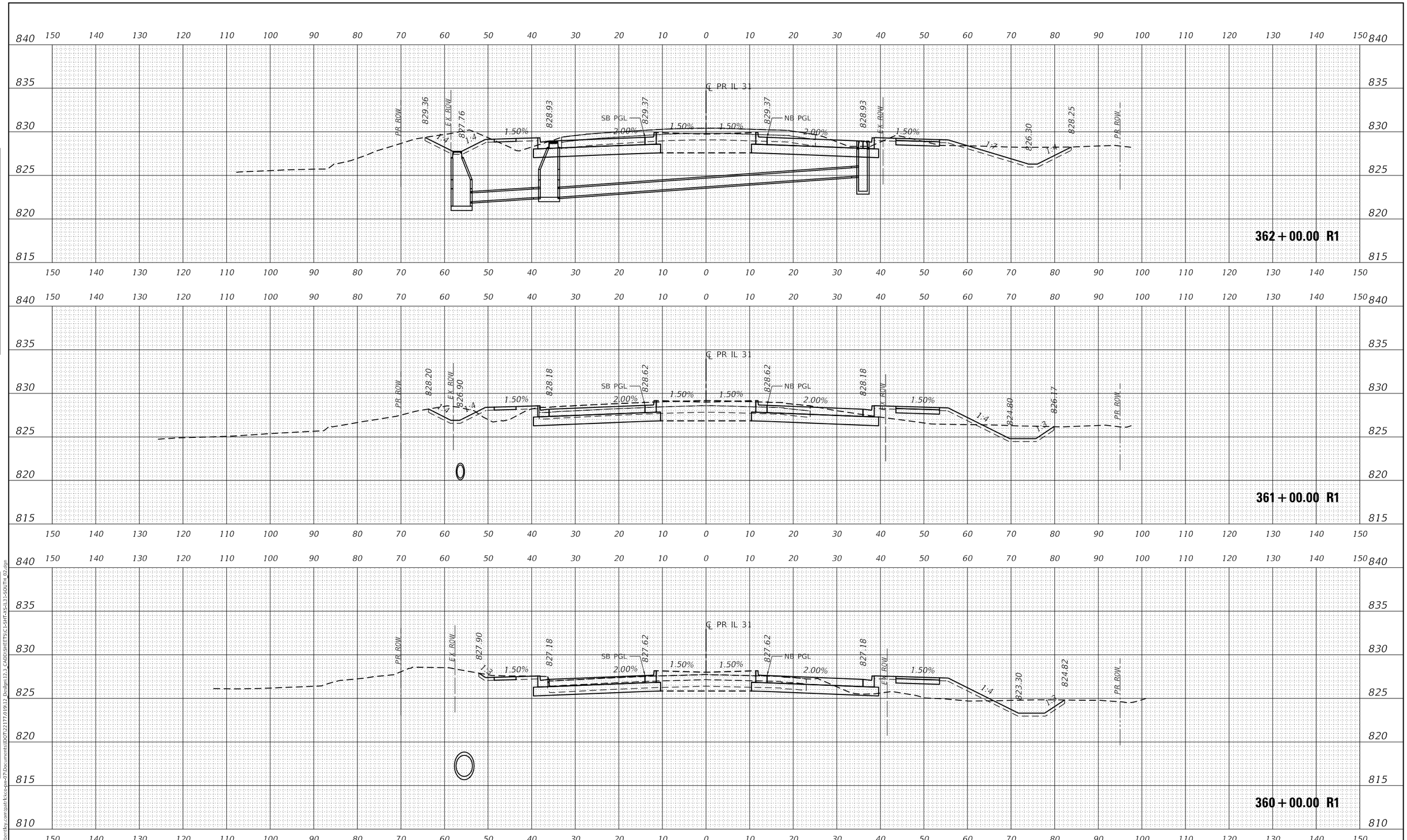


USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10'	SHEET OF 58 SHEETS STA. 358+80.01 R1 TO STA. 359+17.40 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	806
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

PATRICK a RIS company

MODEL: P_IL31_SOUTH
FILE NAME: pw://patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12 Design\12.3 CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_02.dgn



FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_02.dgn

PATRICK a RIS company

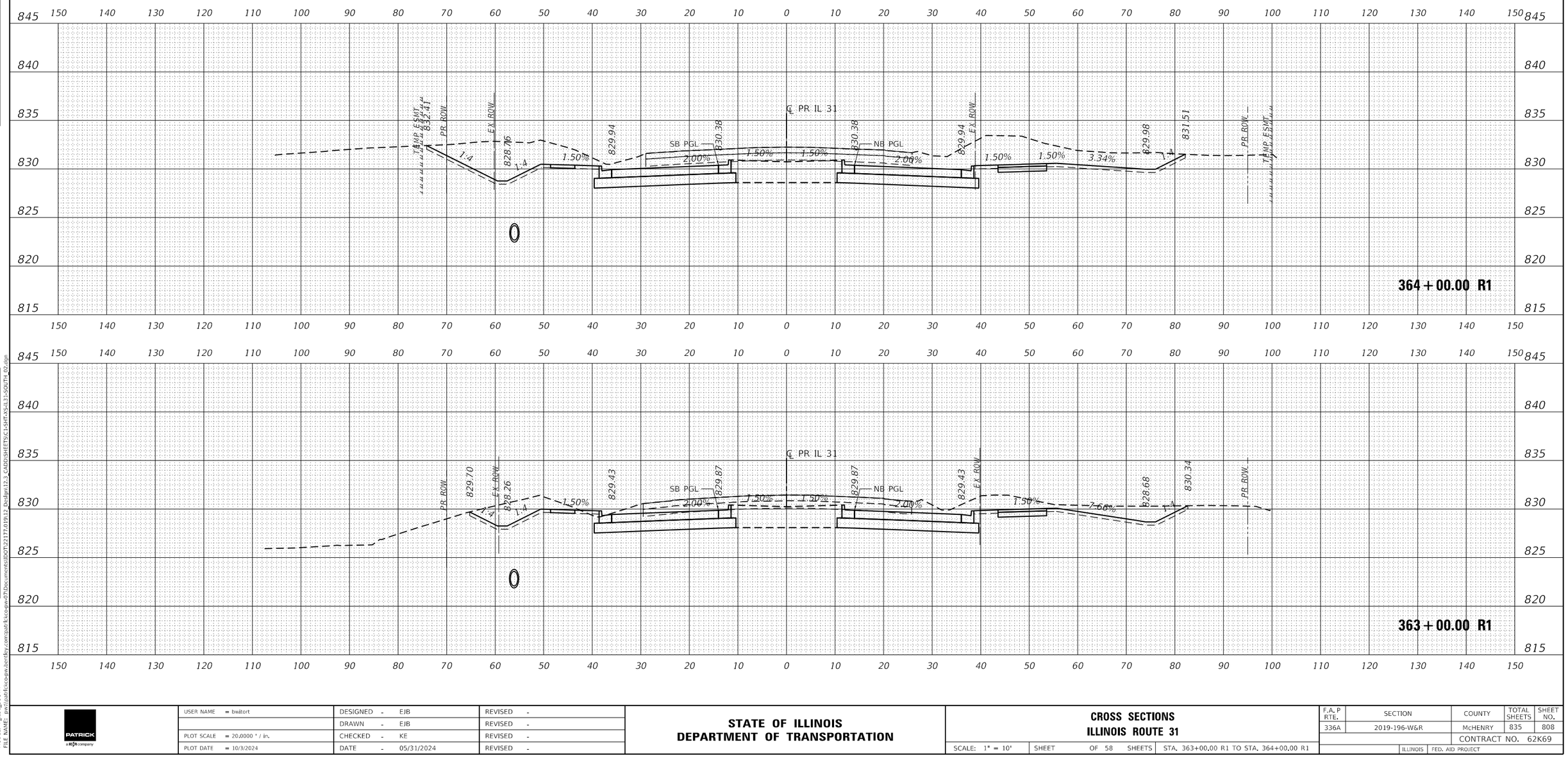
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 360+00.00 R1 TO STA. 362+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	807
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 363+00.00 R1 TO STA. 364+00.00 R1	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -			

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	808
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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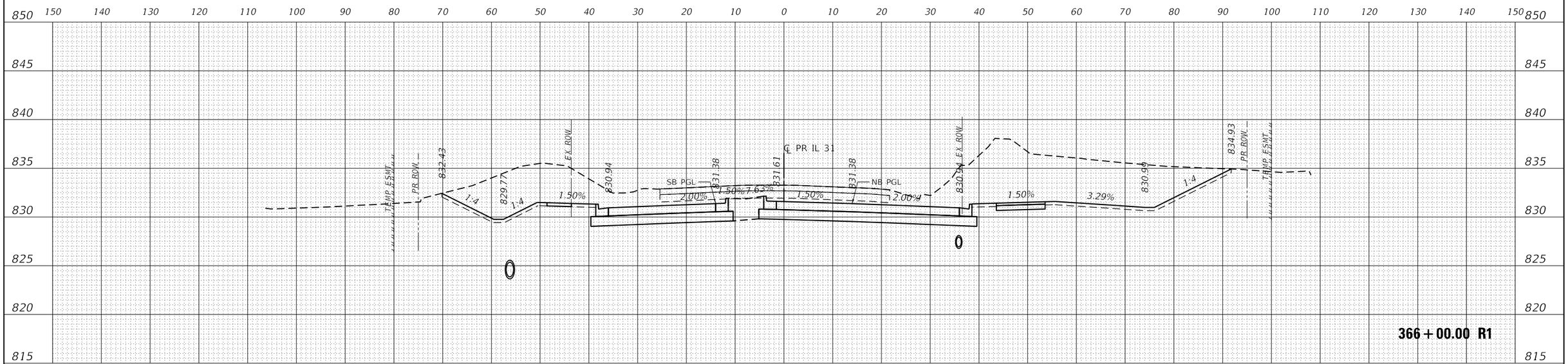

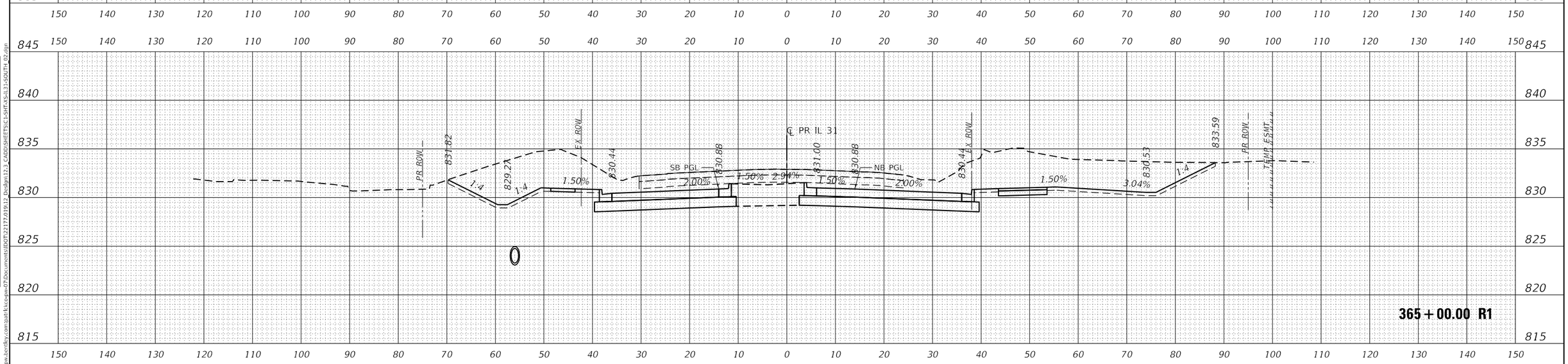

FINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: P_IL31_SOUTH
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PATRICK a RIS company

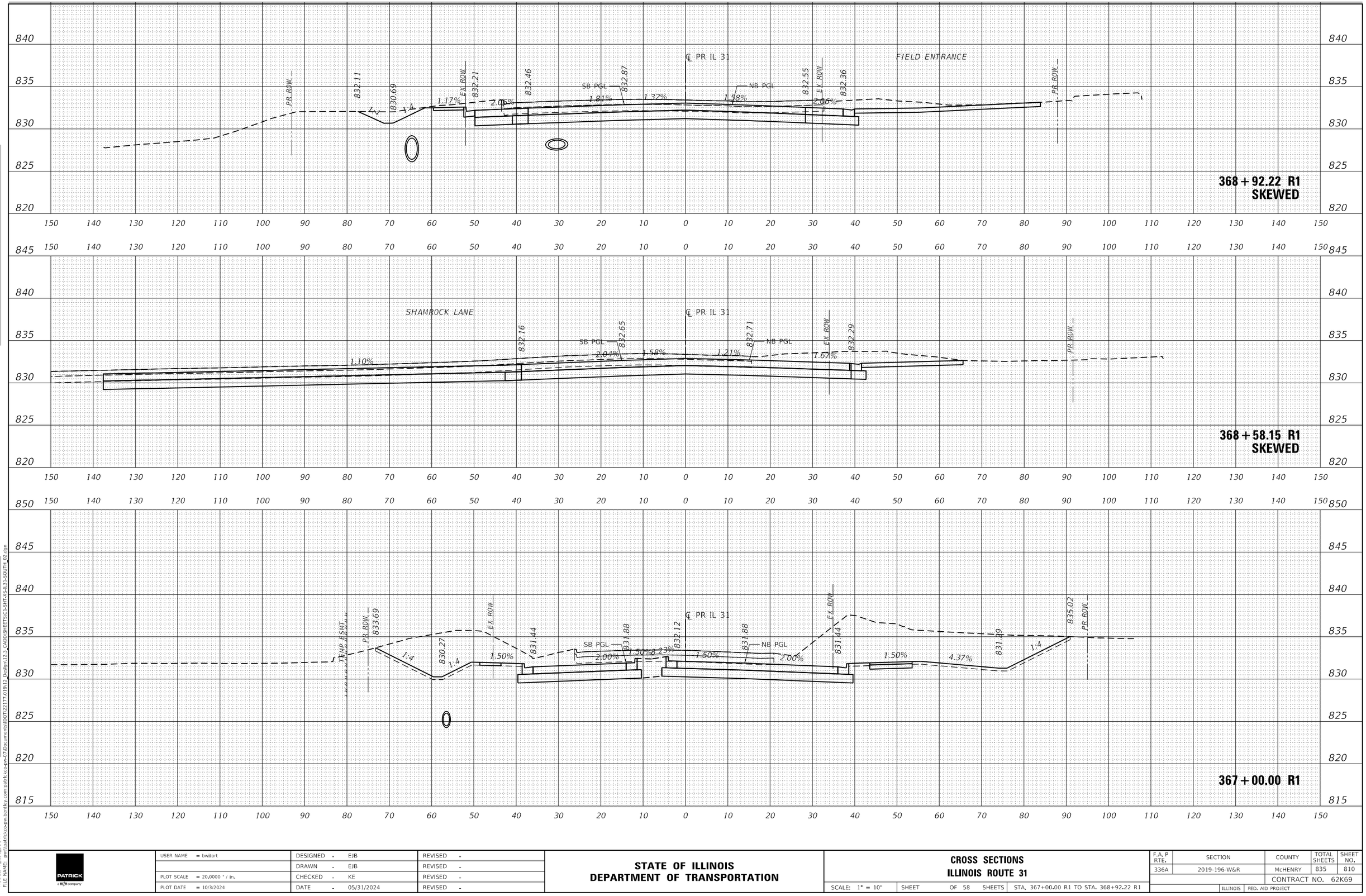
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 365+00.00 R1 TO STA. 366+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	809
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 367+00.00 R1 TO STA. 368+92.22 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	810
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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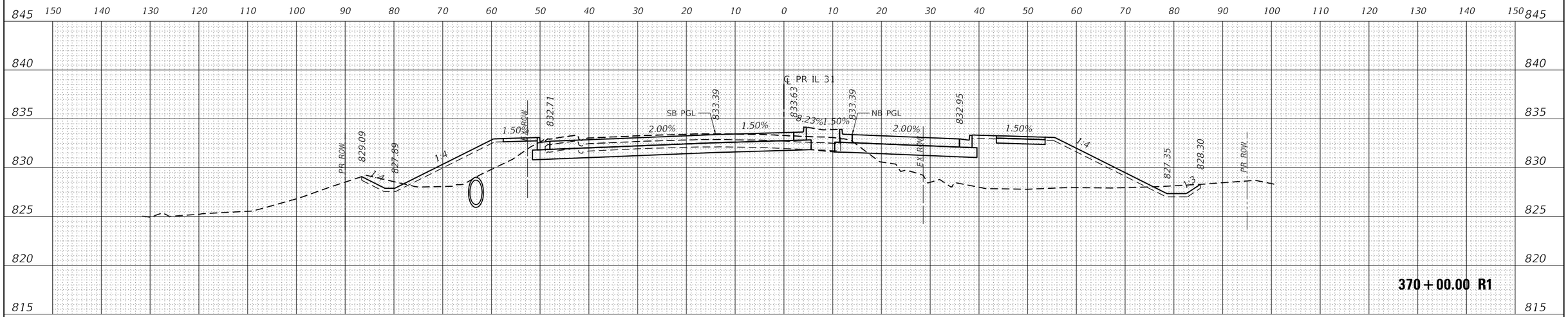
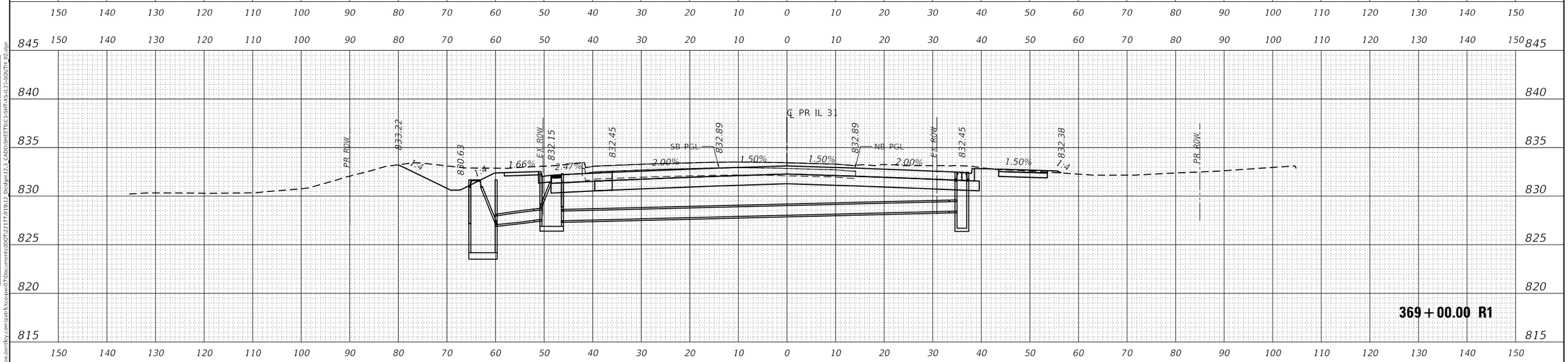




USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

PATRICK a RS company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 369+00.00 R1 TO STA. 370+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	811

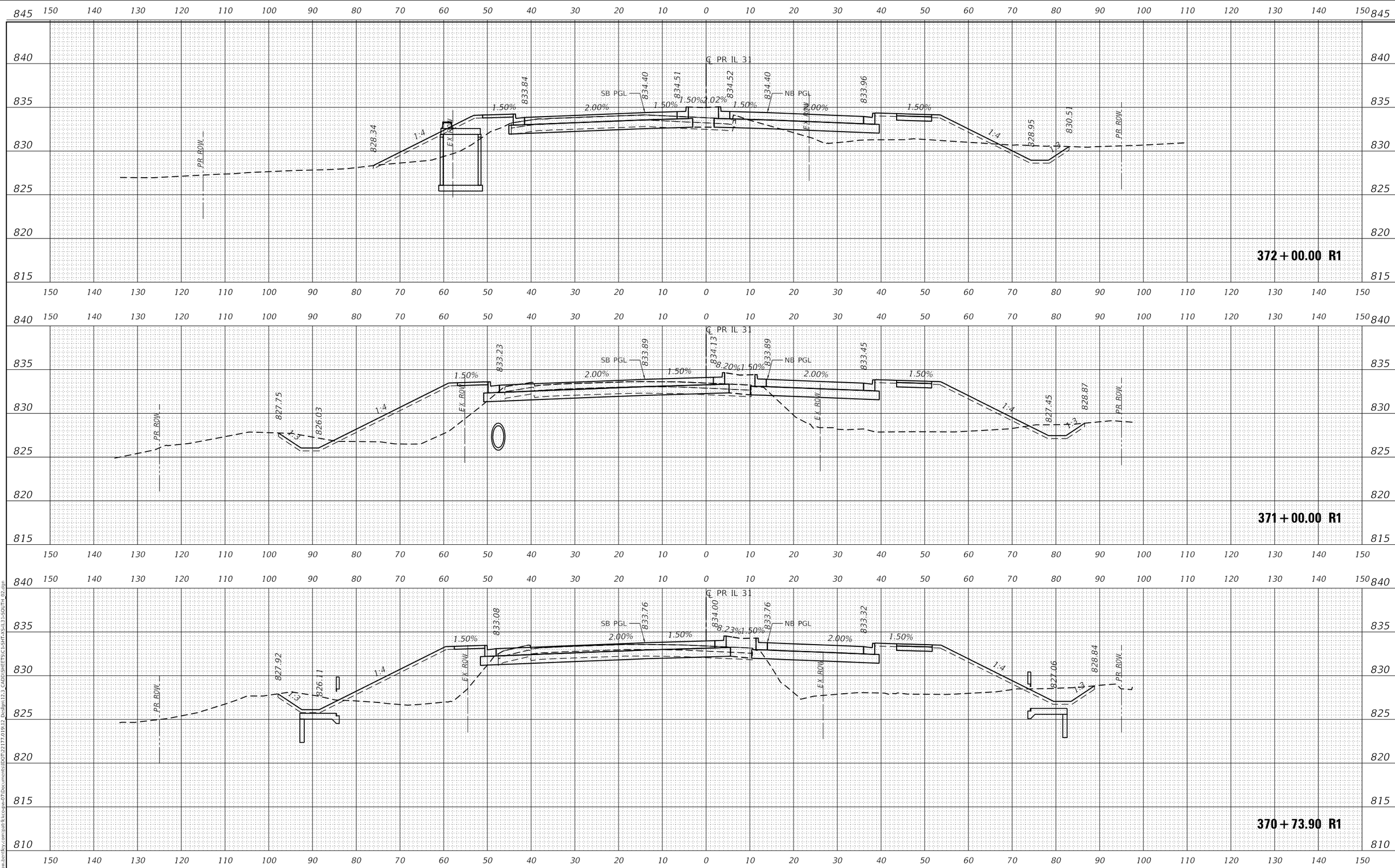
CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12 Design\12.3 CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_02.dgn



FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12 Design\12.3 CADD\SHEETS\C1-SHT-XS-IL31-SOUTH_02.dgn

PATRICK a RIVER company

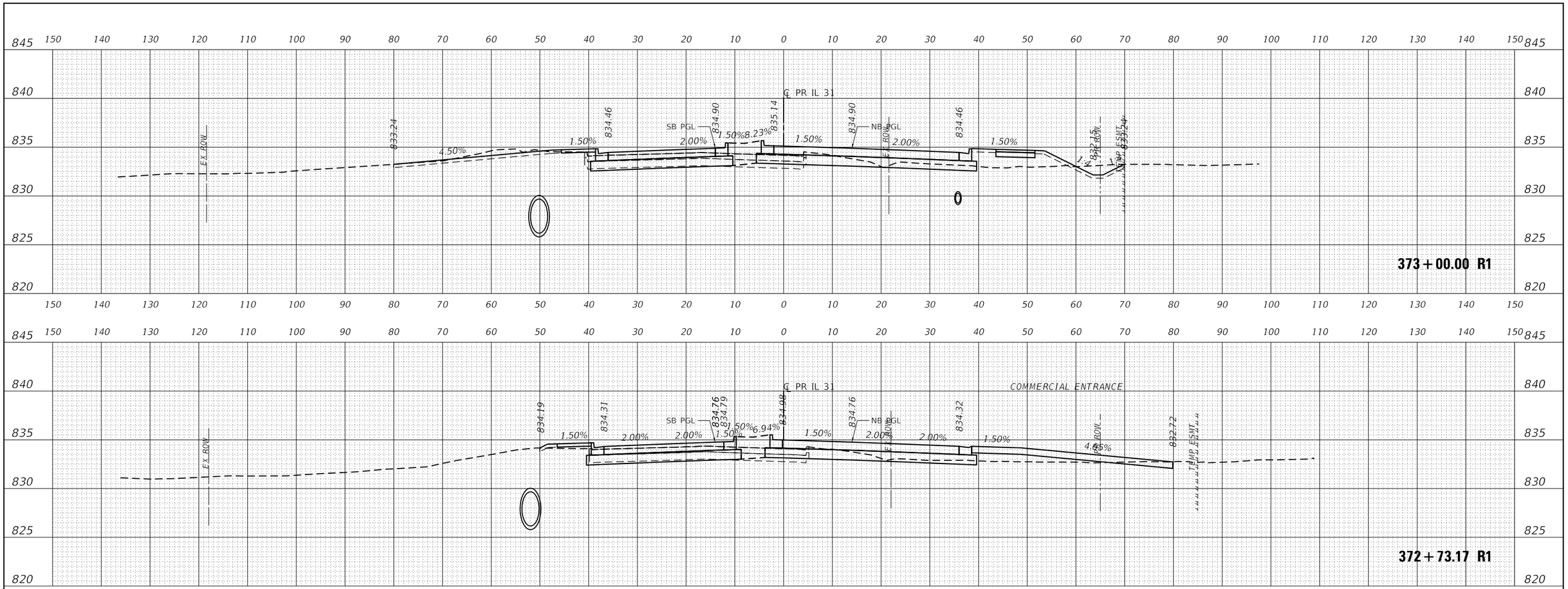
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 370+73.90 R1 TO STA. 372+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	812
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	



USER NAME = bwitort	DESIGNED - EJB
	DRAWN - EJB
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE
PLOT DATE = 10/3/2024	DATE - 05/31/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 372+44.59 R1 TO STA. 373+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	813
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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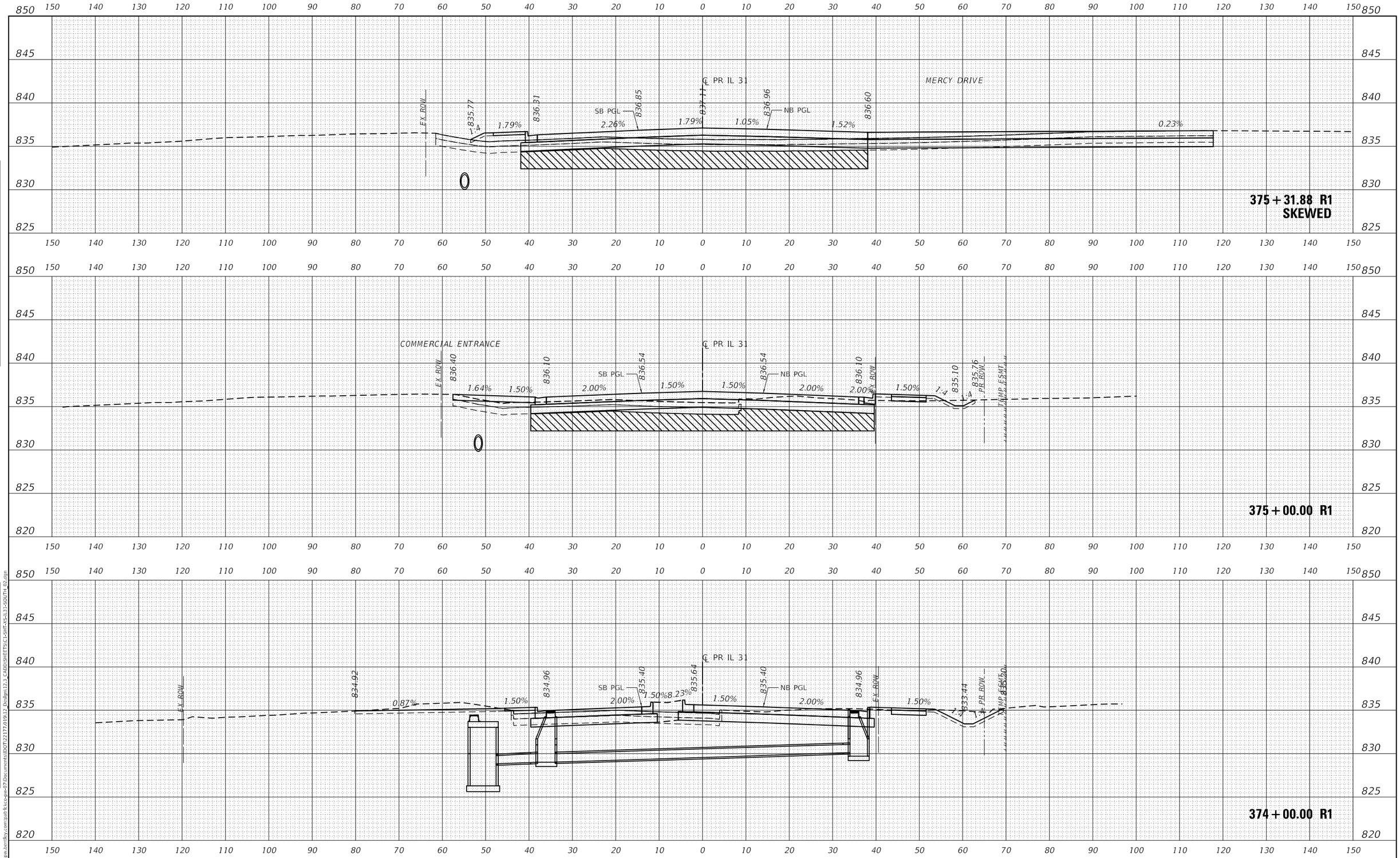

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 374+00.00 R1 TO STA. 375+31.88 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	814
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PATRICK a RJR company

MODEL: P_IL31_SOUTH
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USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	**CROSS SECTIONS**
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	**ILLINOIS ROUTE 31**

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 376+00.00 R1 TO STA. 378+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	815
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY / ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: PJI 31_SOUTH
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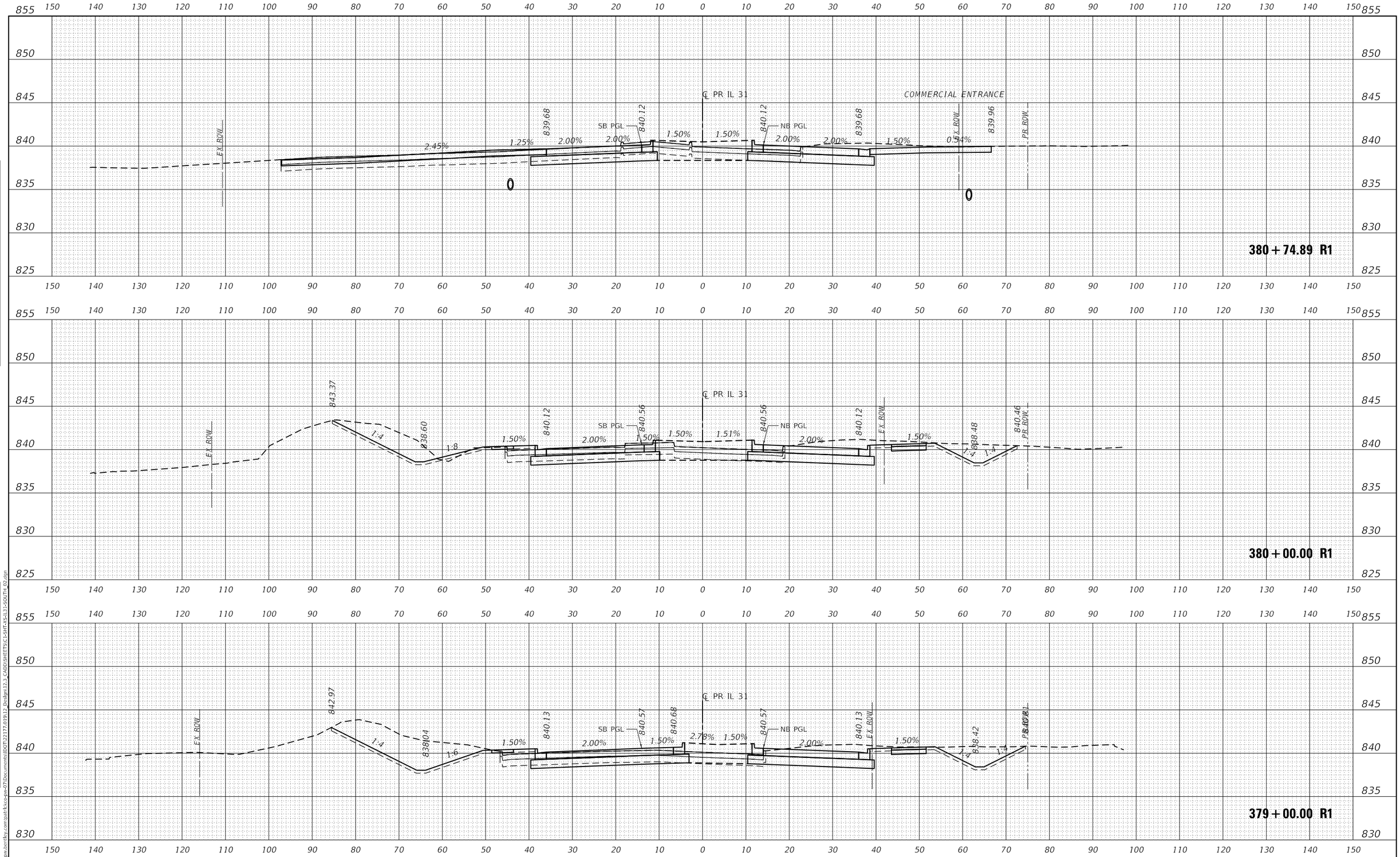

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10'	SHEET OF 58 SHEETS STA. 379+00.00 R1 TO STA. 380+74.89 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	816
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY: NOTE BOOK NO. — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY — DATE

ORIGINAL SURVEY: NOTE BOOK NO. — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY — DATE

MODEL: P_IL31_SOUTH
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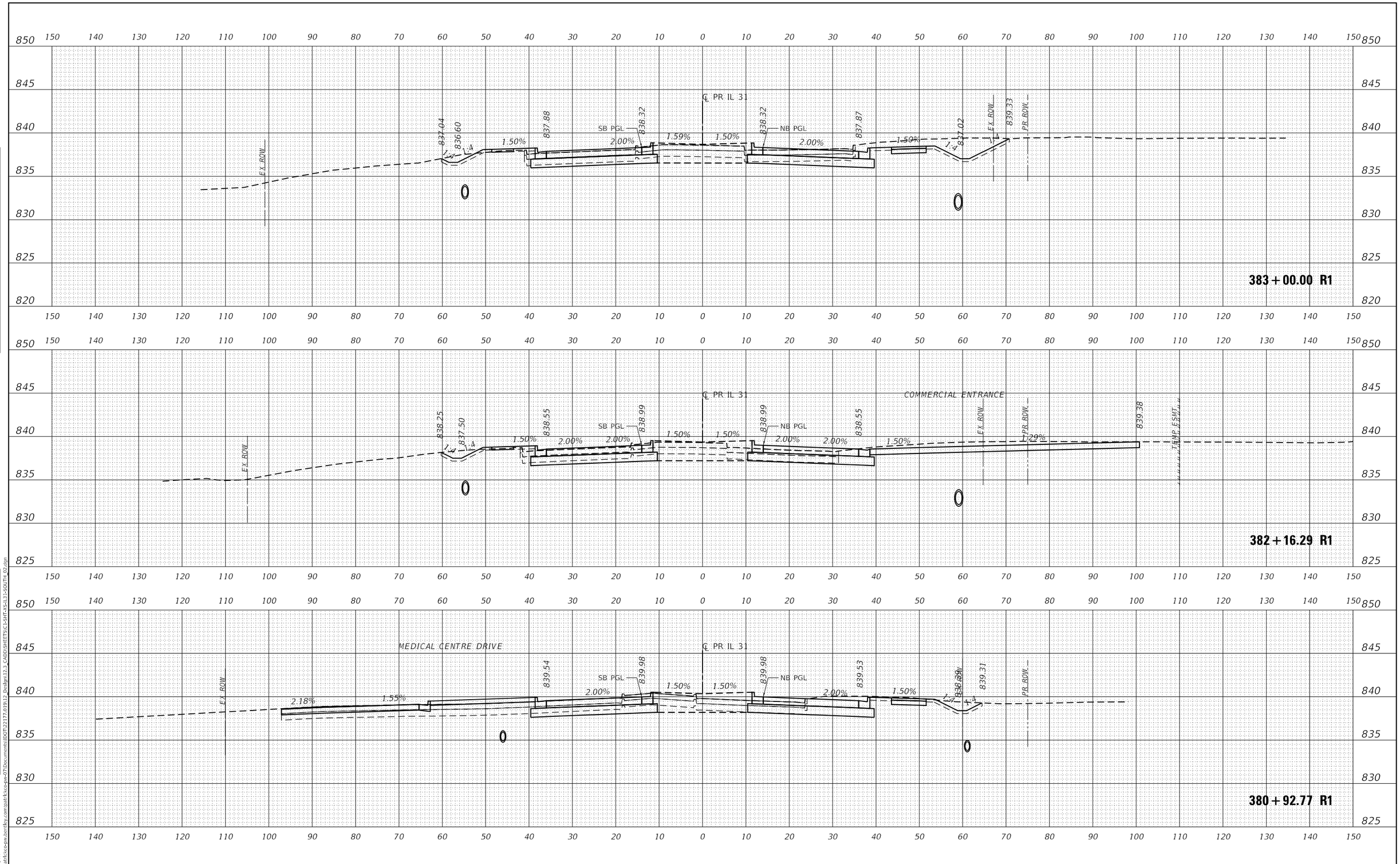

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

PATRICK a RS&H company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 380+92.77 R1 TO STA. 383+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	817

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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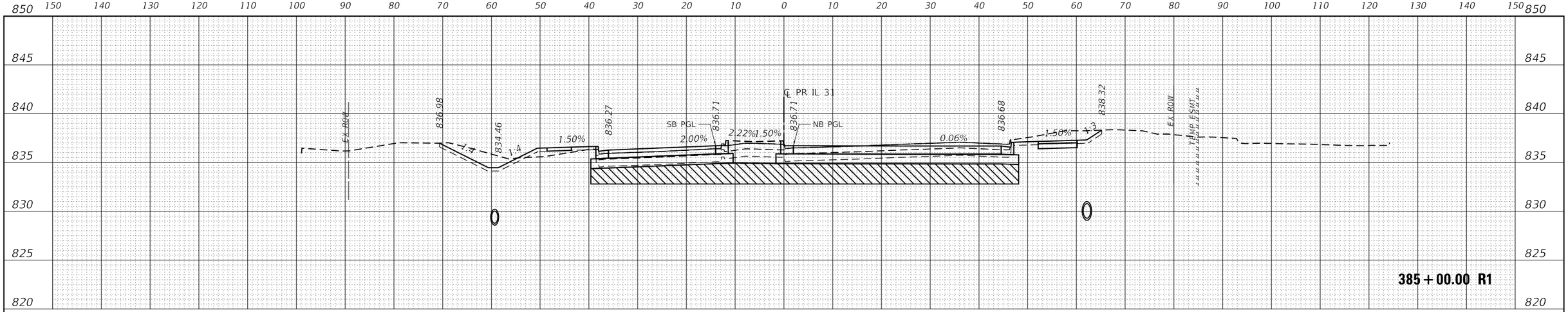

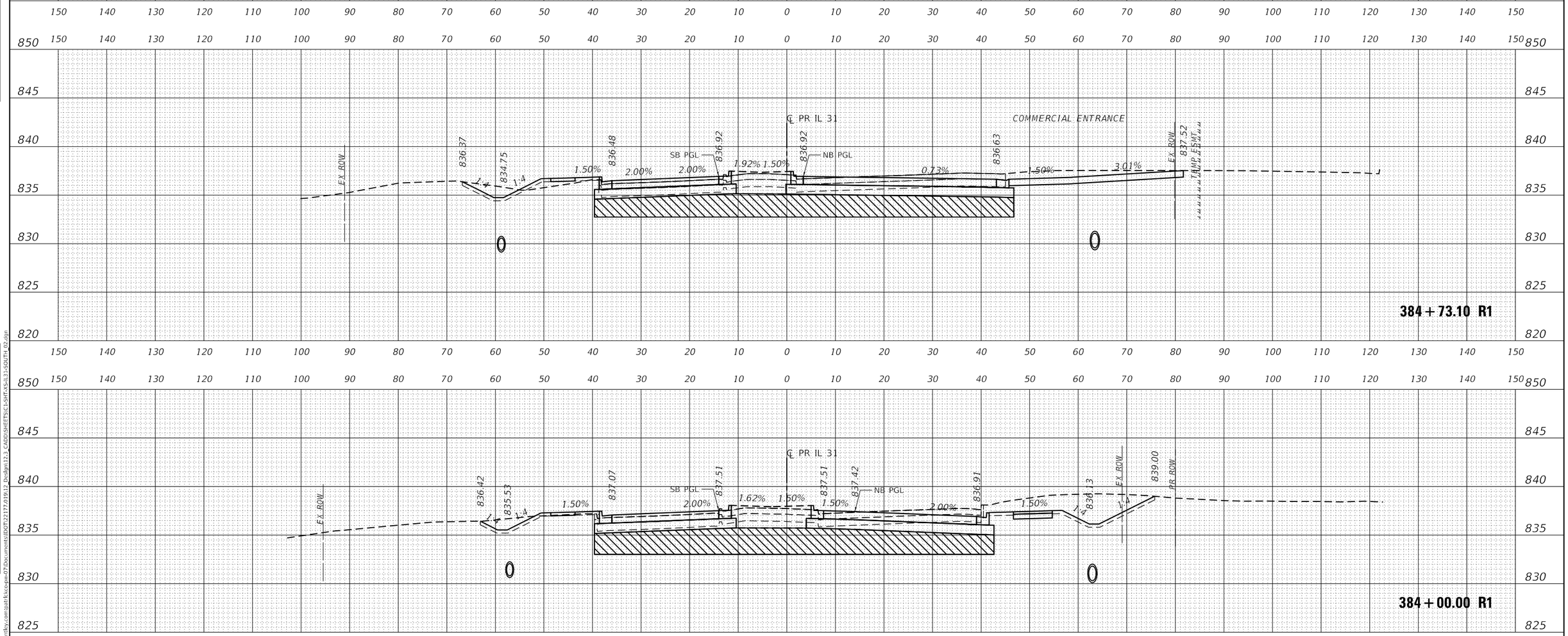

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 31	
	DRAWN - EJB	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -		SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 384+00.00 R1 TO STA. 385+00.00 R1	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	818
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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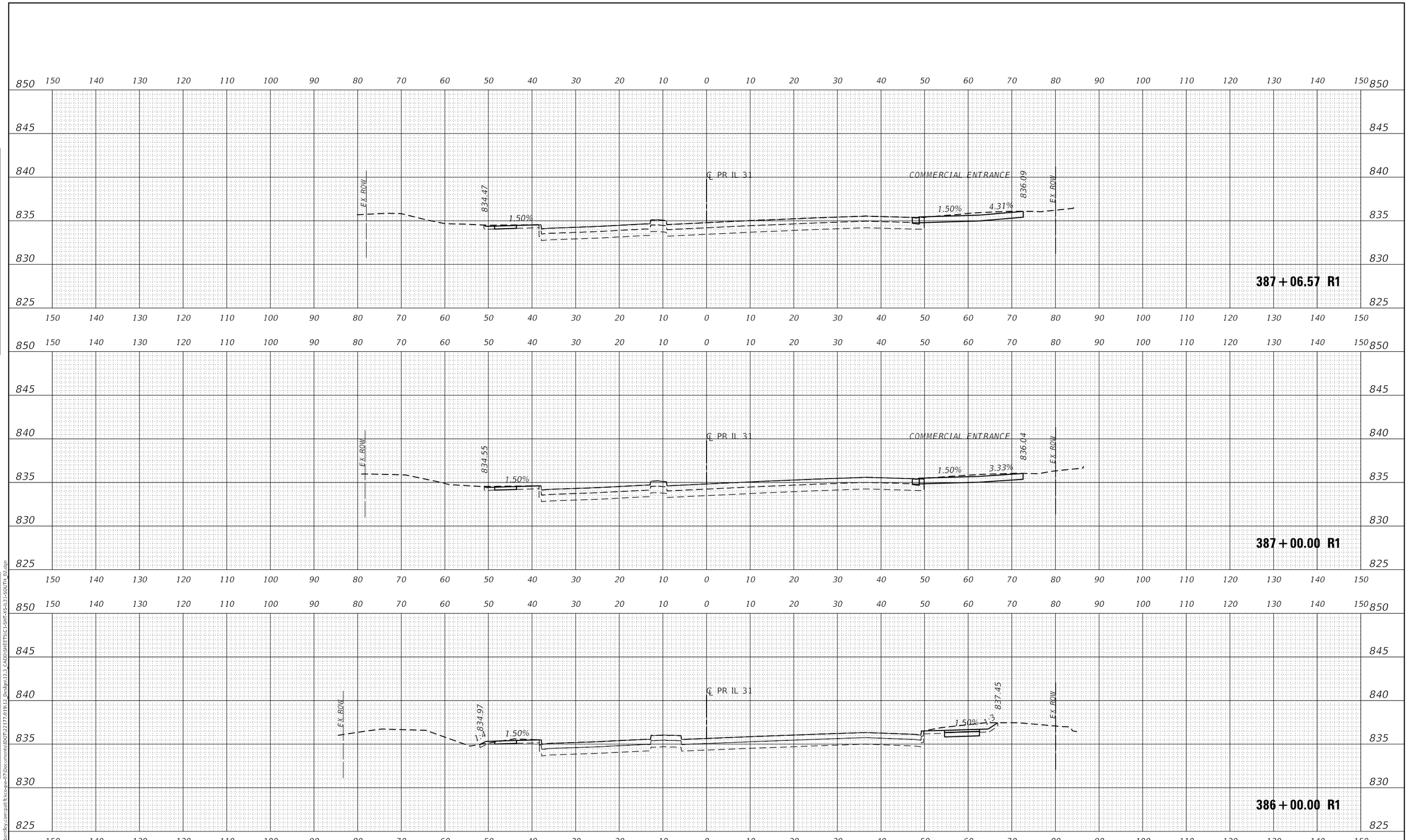

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_IL31_SOUTH
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PATRICK a RSR company

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

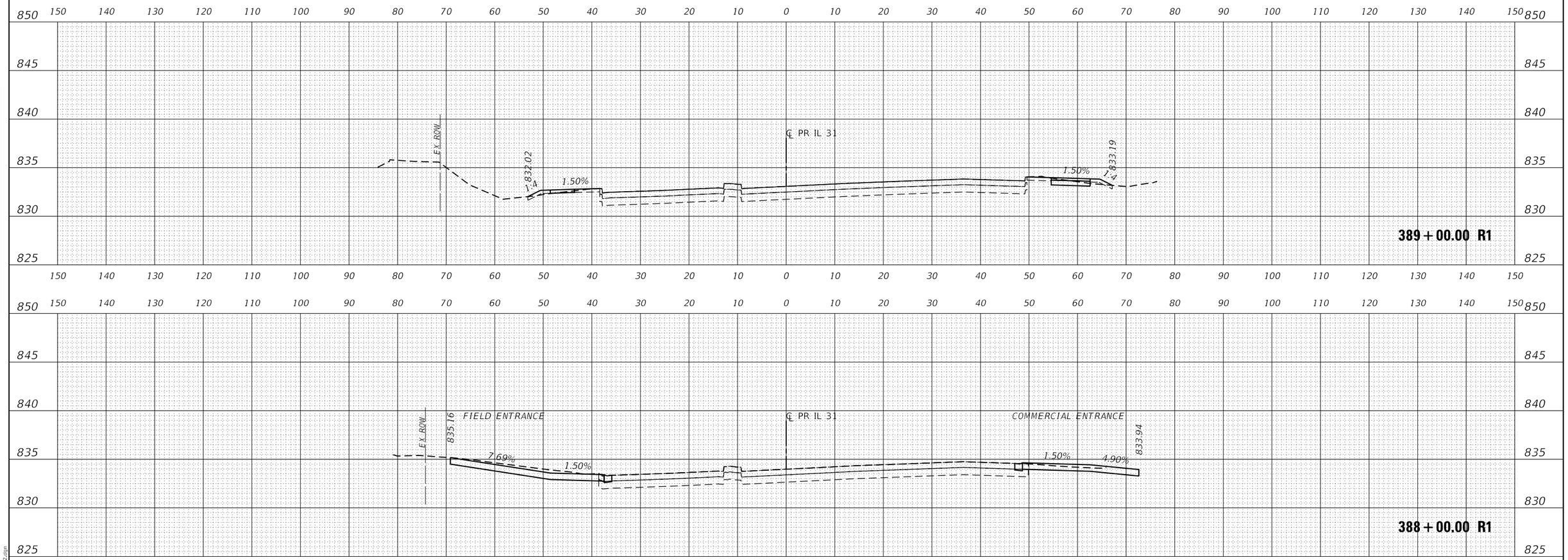
CROSS SECTIONS
ILLINOIS ROUTE 31

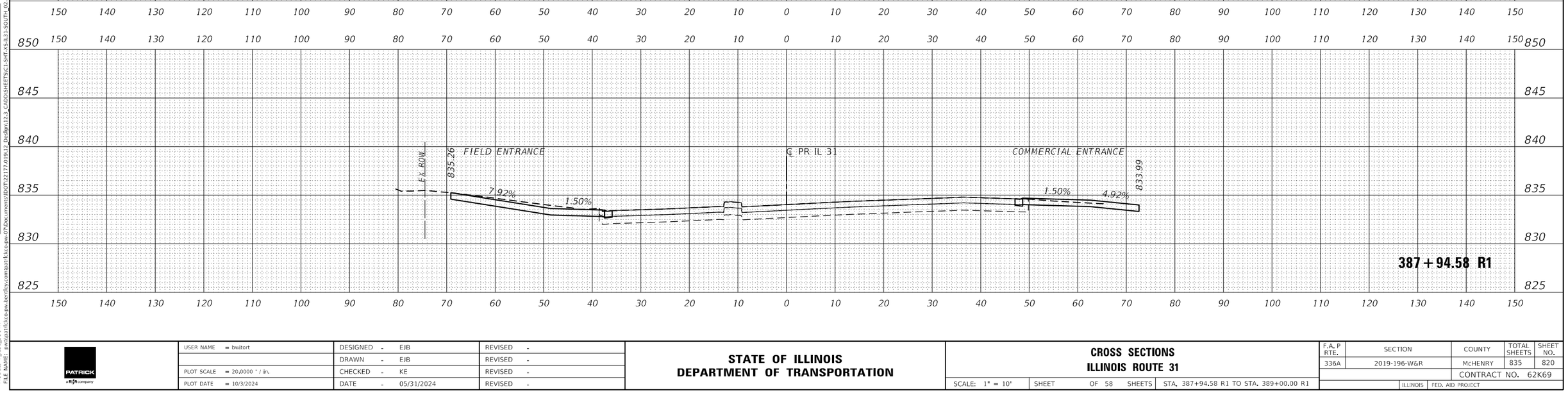
SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 386+00.00 R1 TO STA. 387+06.57 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	819

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT





USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - EJB	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	**CROSS SECTIONS**
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	**ILLINOIS ROUTE 31**

SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 387+94.58 R1 TO STA. 389+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	820
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | FINAL SURVEY | NOTE BOOK | NO.

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | ORIGINAL SURVEY | NOTE BOOK | NO.

MODEL: PJI 31_SOUTH
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USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EJB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 05/31/2024	REVISED -	

CROSS SECTIONS
ILLINOIS ROUTE 31

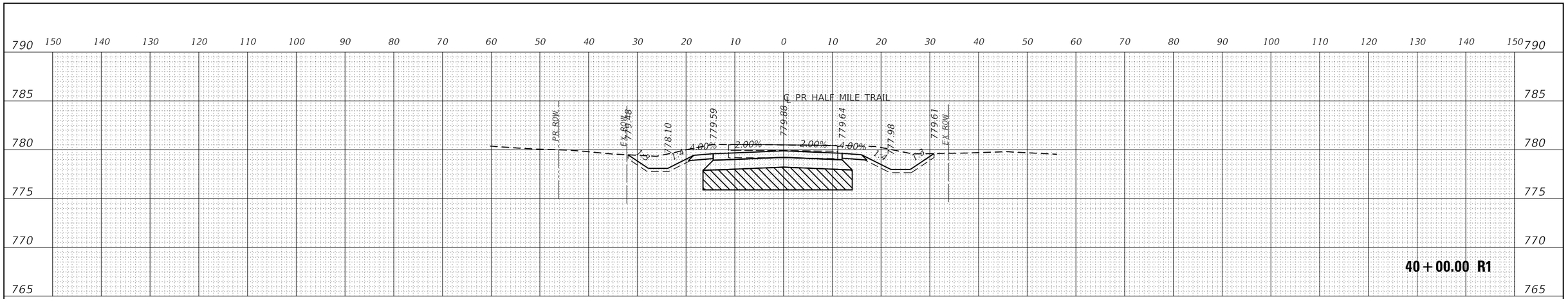
SCALE: 1" = 10' | SHEET OF 58 SHEETS | STA. 389+34.80 R1 TO STA. 391+00.00 R1

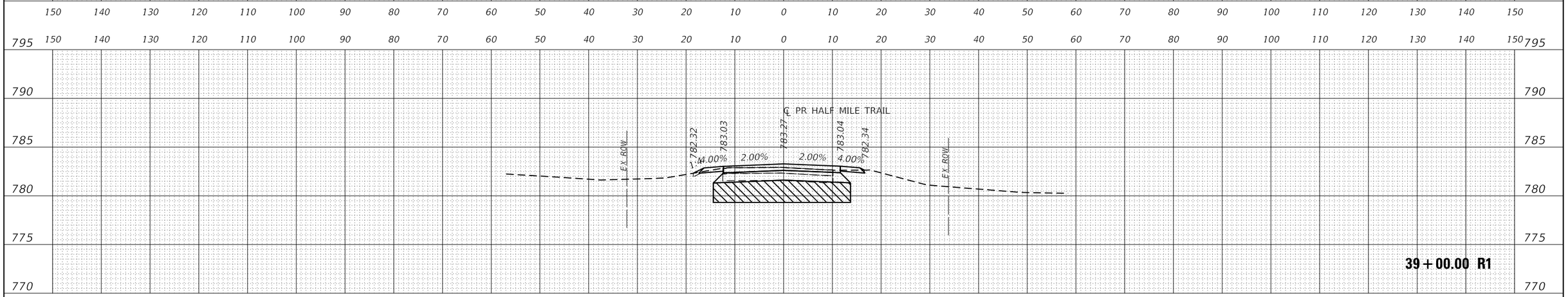
F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	821
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

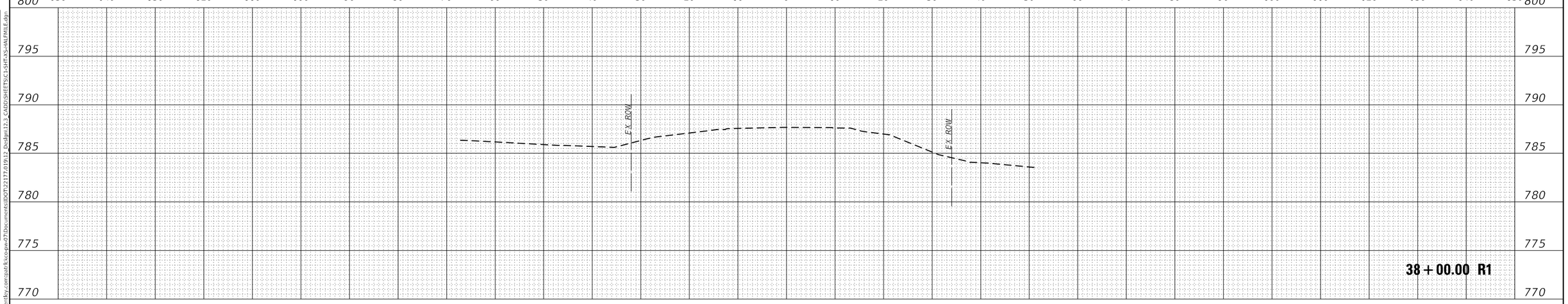
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: PJI 31_SOUTH
FILE NAME: pw:\\patrick-eko-pw.bentley.com:patrick-eko-pw-07\Documents\IDOT\22177.019\12 Design\12.2 CADD\SHEETS\C1-SHT-XS-IL31-SOUTH 02.dgn







USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - PK	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**HALF MILE TRAIL**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET 1 OF 4 SHEETS | STA. 38+00.00 R1 TO STA. 40+00.00 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	822
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | FINAL SURVEY | NOTE BOOK | NO.

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | ORIGINAL SURVEY | NOTE BOOK | NO.

MODEL: P_HALFMILE
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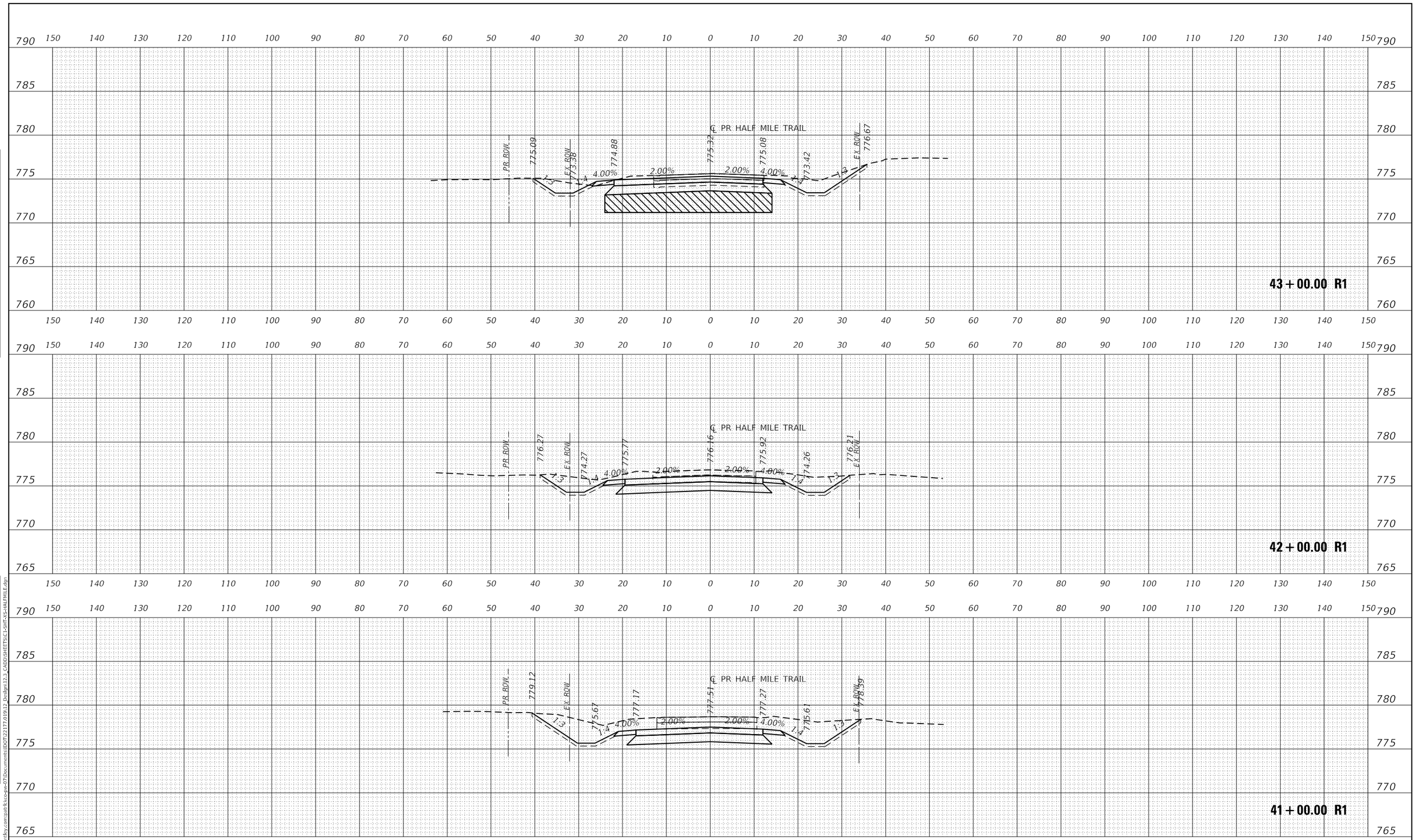

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - PK	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**HALF MILE TRAIL**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -		SCALE: 1" = 10' SHEET 2 OF 4 SHEETS STA. 41+00.00 R1 TO STA. 43+00.00 R1	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	823
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | FINAL SURVEY | NOTE BOOK | NO.

MODEL: P_HALFMILE
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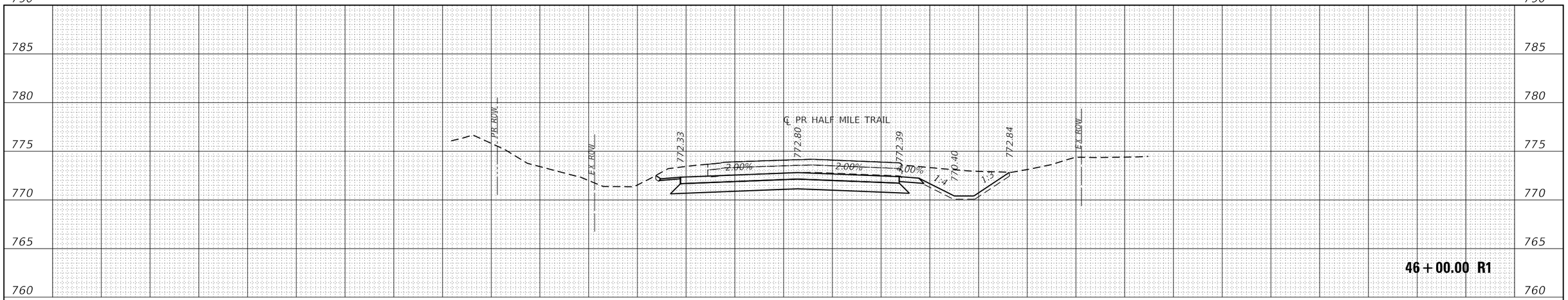

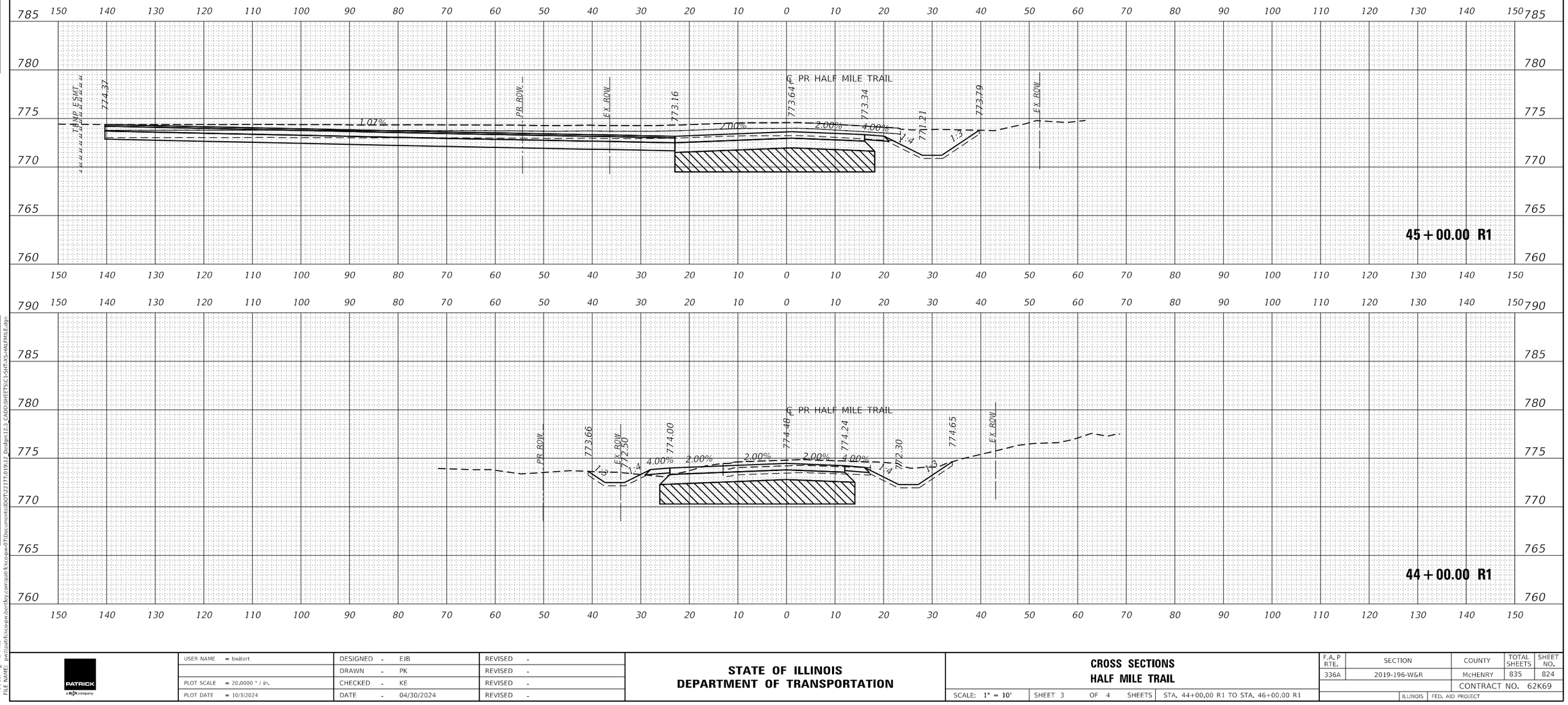

DATE
BY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
FINAL SURVEY
NOTE BOOK
NO.

ORIGINAL SURVEY

MODEL: P_HALFMILE
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PATRICK a RJH company

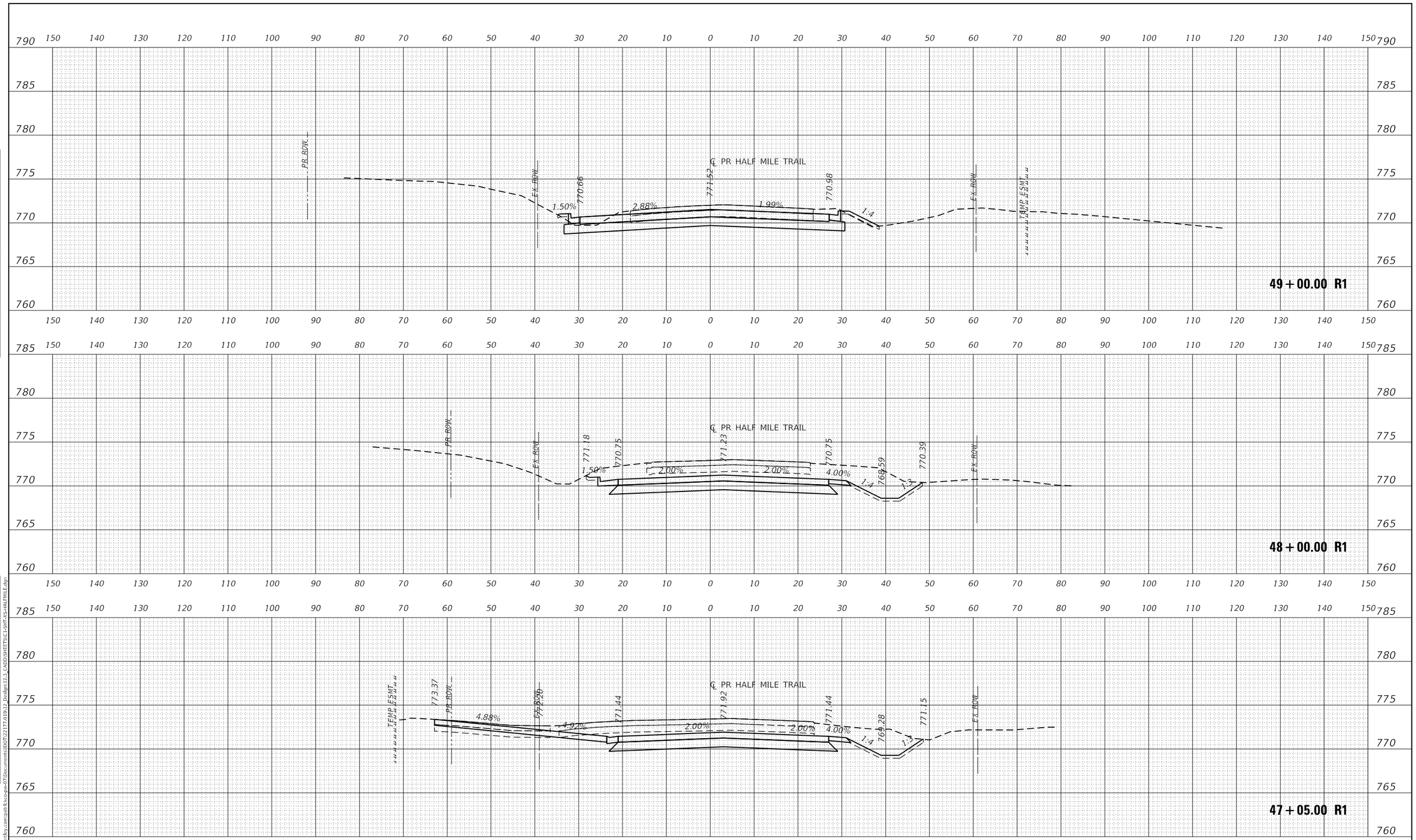
USER NAME = bwitort		DESIGNED - EJB		REVISED -	
		DRAWN - PK		REVISED -	
PLOT SCALE = 20.0000 ' / in.		CHECKED - KE		REVISED -	
PLOT DATE = 10/3/2024		DATE - 04/30/2024		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
HALF MILE TRAIL

SCALE: 1" = 10' | SHEET 3 OF 4 SHEETS | STA. 44+00.00 R1 TO STA. 46+00.00 R1

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	824
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN - PK	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

CROSS SECTIONS
HALF MILE TRAIL

SCALE: 1" = 10' | SHEET 4 OF 4 SHEETS | STA. 47+05.00 R1 TO STA. 49+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	825
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_HALFMILE
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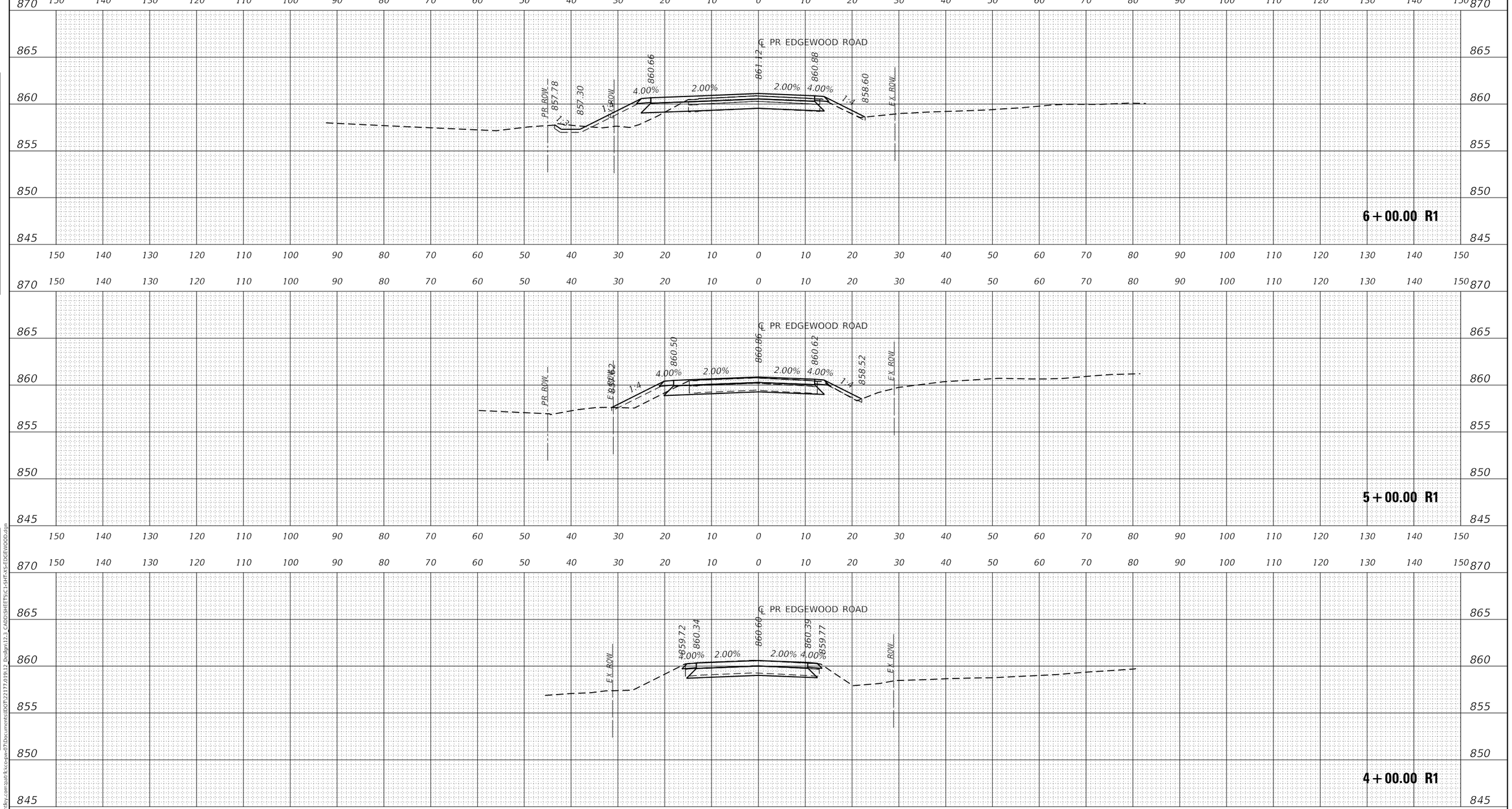

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - PK	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EDGEWOOD ROAD

SCALE: 1" = 10' | SHEET 1 OF 2 SHEETS | STA. 4+00.00 R1 TO STA. 6+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	826
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_EDGEWOOD
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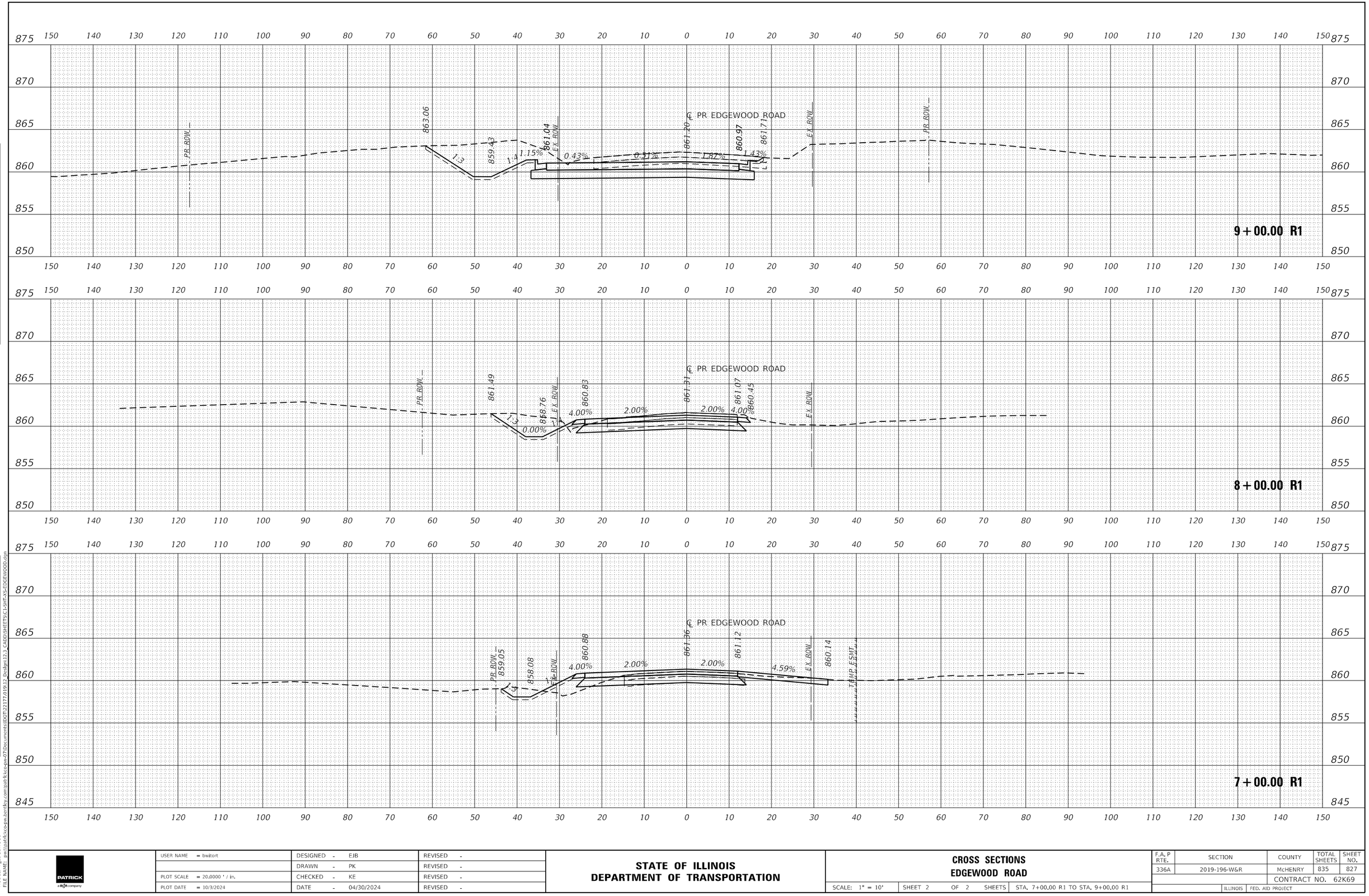

USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN - PK	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

CROSS SECTIONS
EDGEWOOD ROAD

SCALE: 1" = 10' | SHEET 2 OF 2 SHEETS | STA. 7+00.00 R1 TO STA. 9+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	827
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_EDGEWOOD
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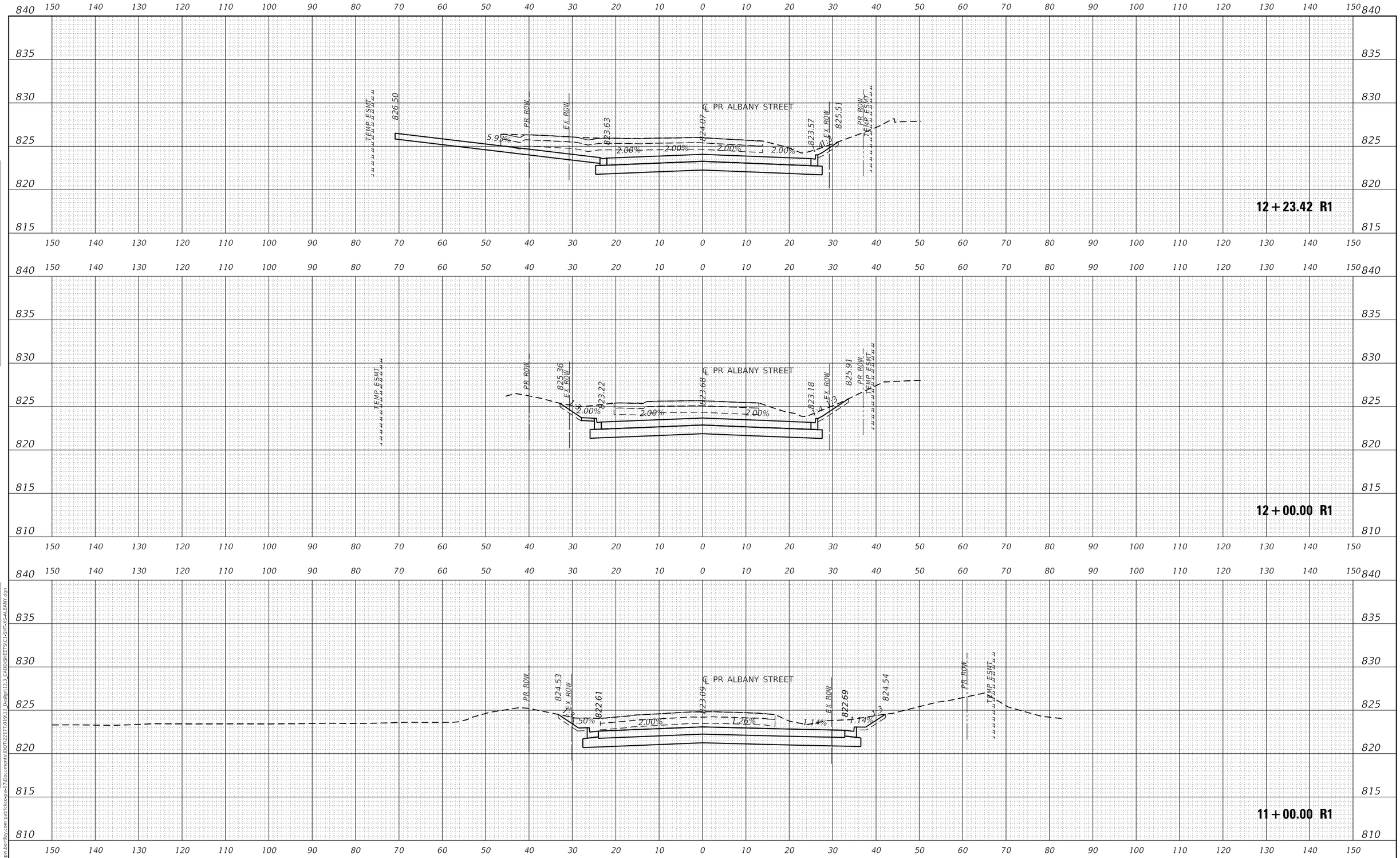

USER NAME = bwitort	DESIGNED - EJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ALBANY STREET	
	DRAWN - PK	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -			
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -		SCALE: 1" = 10'	SHEET 1 OF 3 SHEETS STA. 11+00.00 R1 TO STA. 12+23.42 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	828
		CONTRACT NO. 62K69		
		ILLINOIS FED. AID PROJECT		

PATRICK a RJR company

MODEL: P_ALBANY
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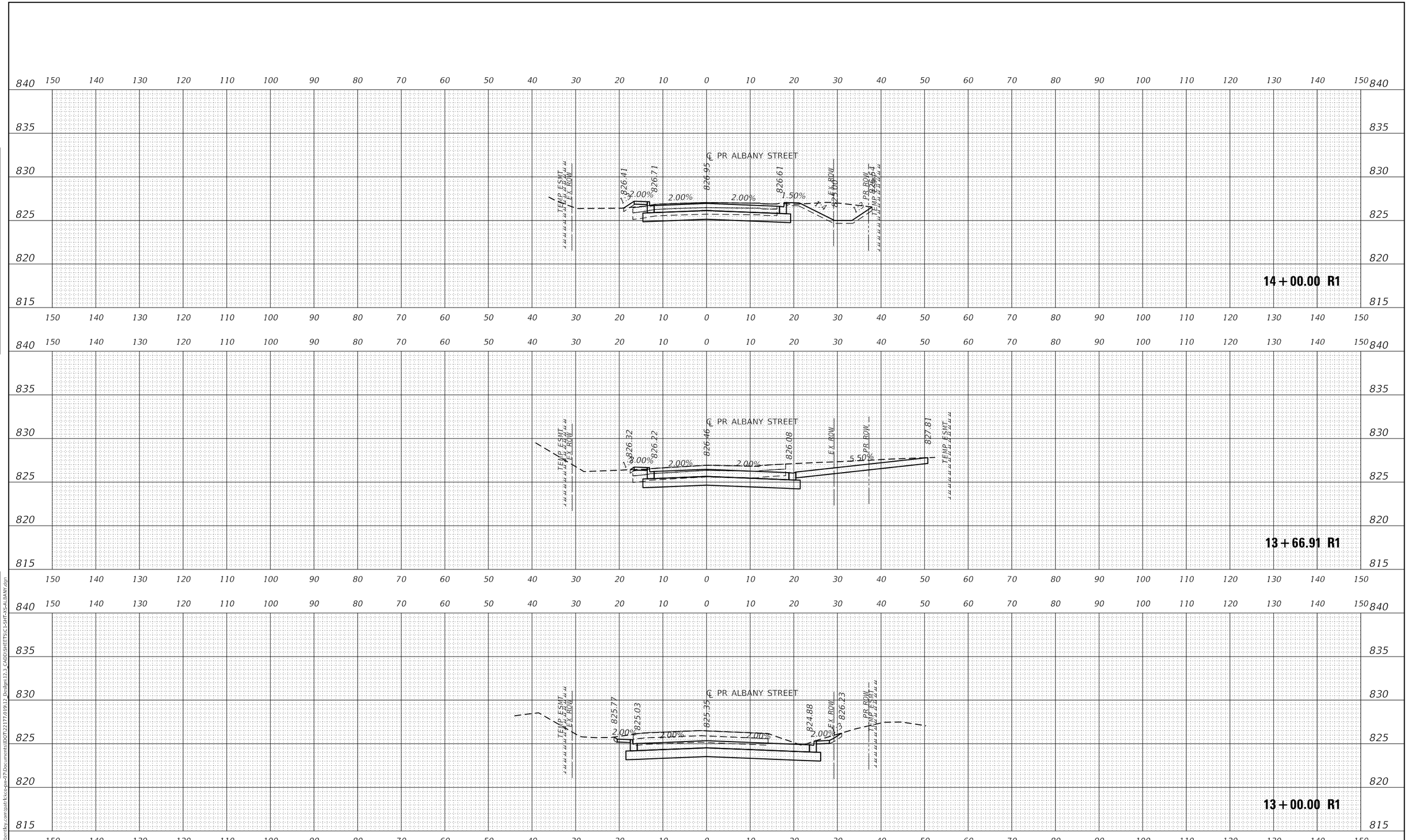

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - PK	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

PATRICK a RJN company

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ALBANY STREET

SCALE: 1" = 10' | SHEET 2 OF 3 SHEETS | STA. 13+00.00 R1 TO STA. 14+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	829
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ TEMPLATE ___ AREAS ___ AREAS CHECKED ___ BY ___ DATE ___

ORIGINAL SURVEY: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ TEMPLATE ___ AREAS ___ AREAS CHECKED ___ BY ___ DATE ___

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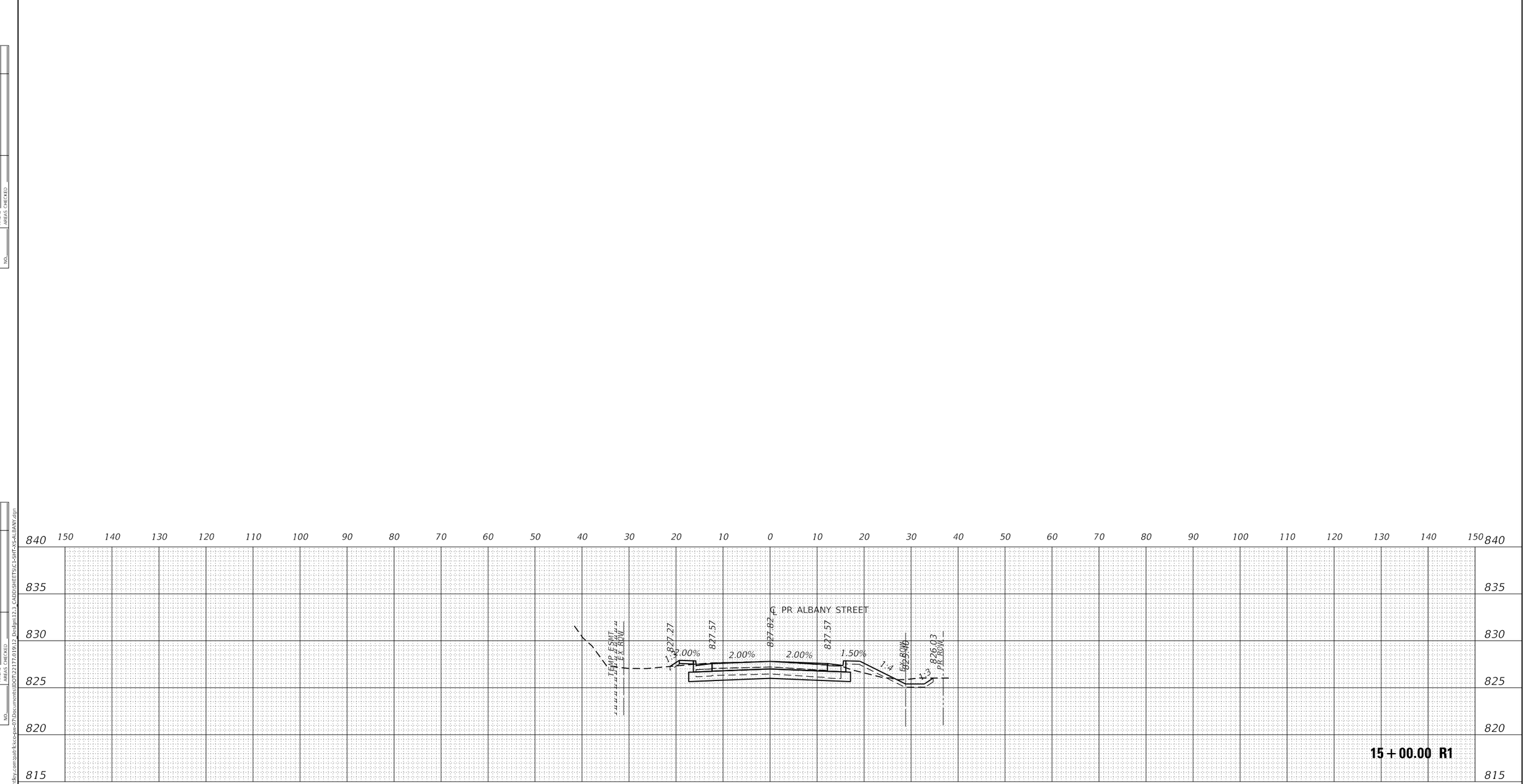
FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: P_ALBANY
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PATRICK a WSP company

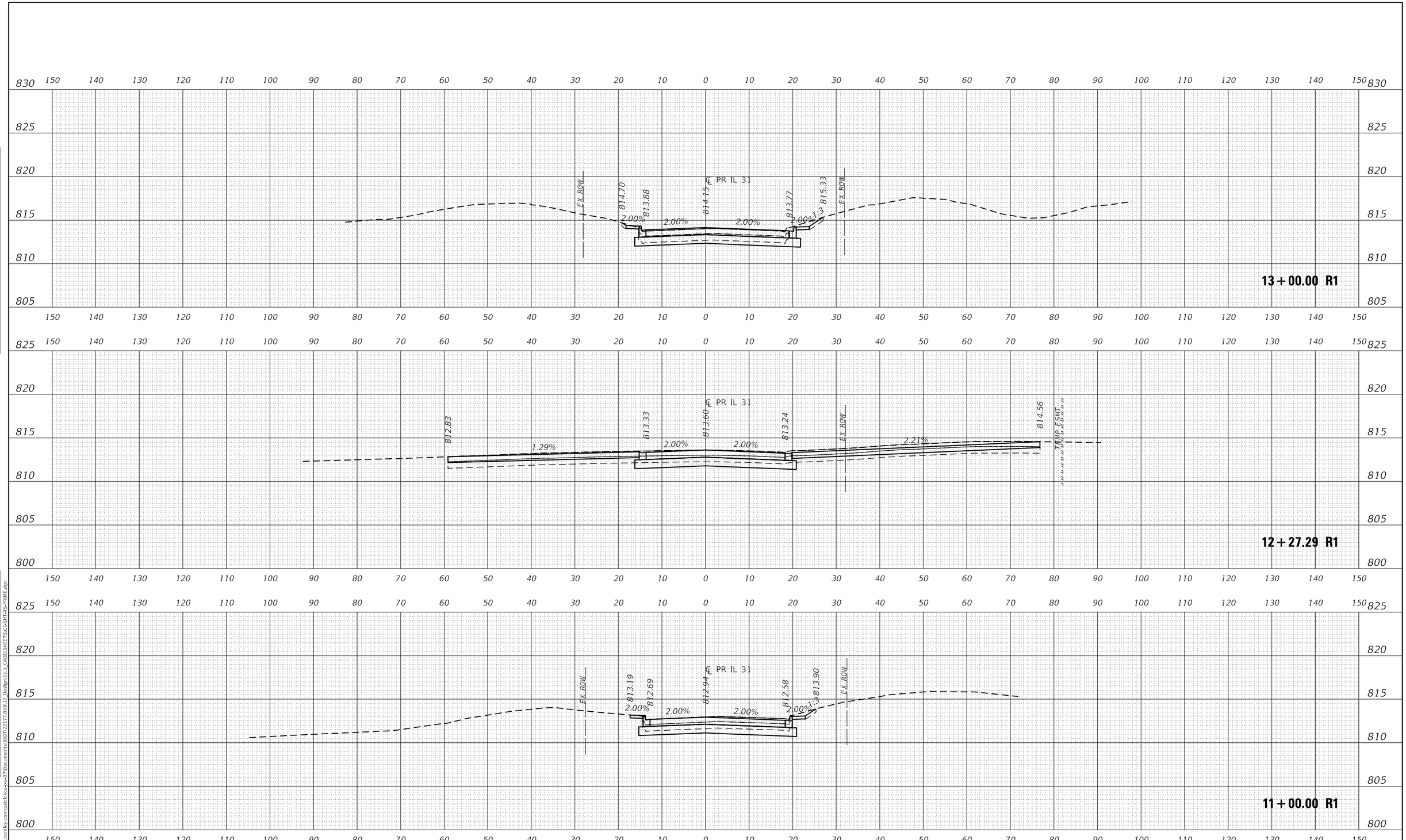
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - PK	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ALBANY STREET

SCALE: 1" = 10' | SHEET 3 OF 3 SHEETS | STA. 15+00.00 R1 TO STA. 15+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	830
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_PRIME
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-PRIME.dgn

PATRICK a RIVER company

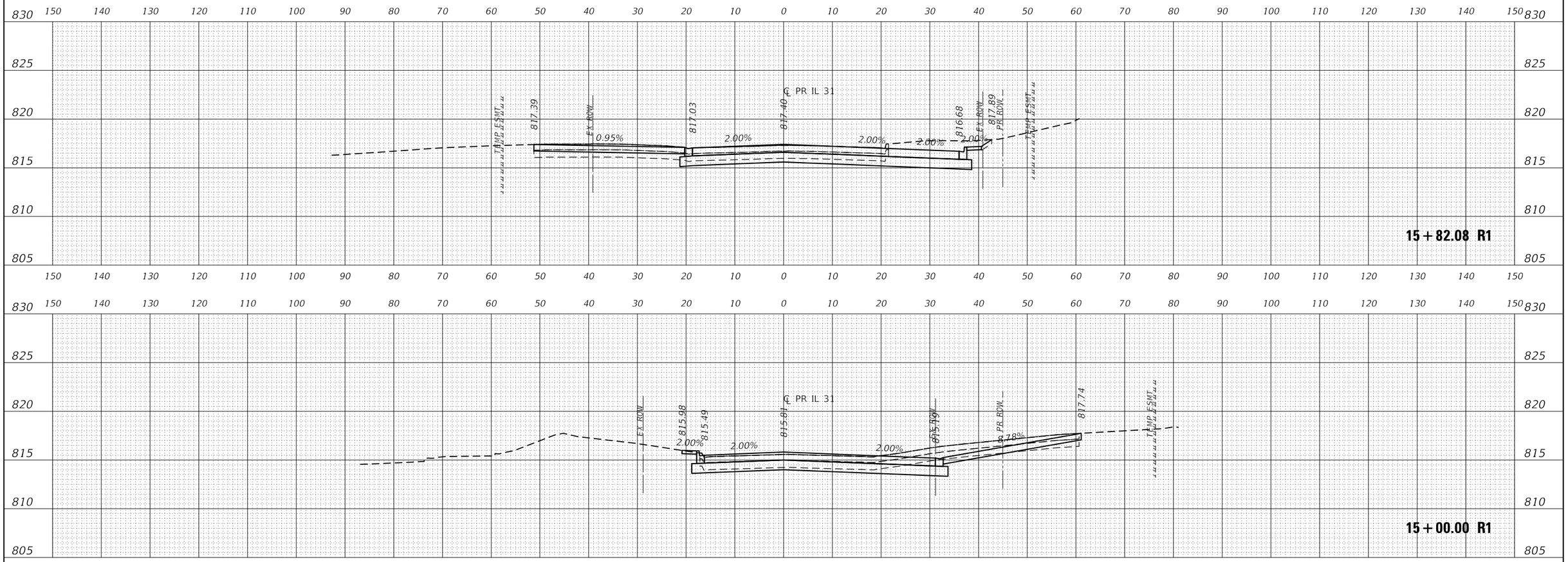
USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - PK	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

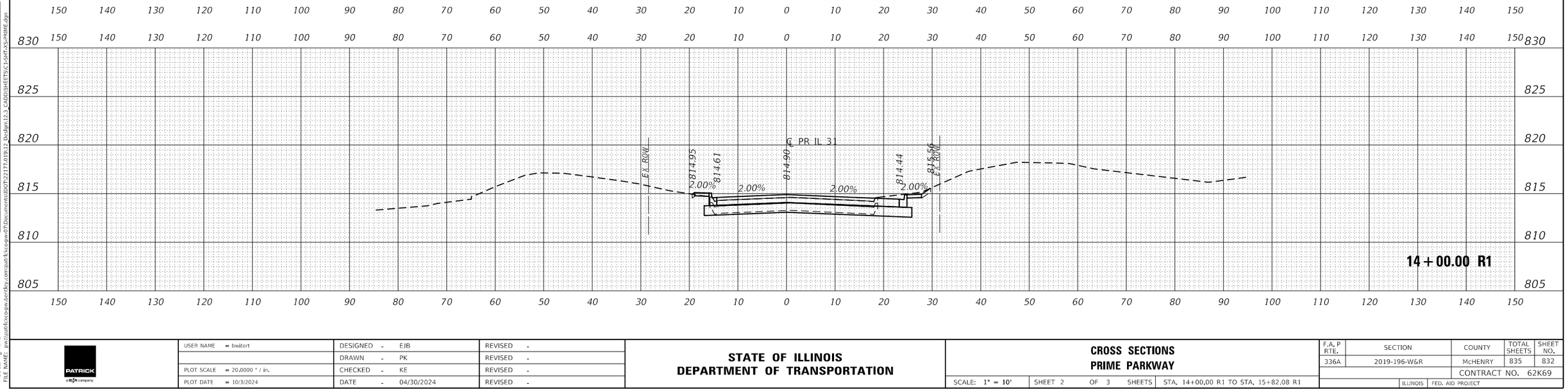
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PRIME PARKWAY

SCALE: 1" = 10' | SHEET 1 OF 3 SHEETS | STA. 11+00.00 R1 TO STA. 13+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	831
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	





USER NAME = bwitort		DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**
		DRAWN - PK	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**PRIME PARKWAY**
PLOT SCALE = 20.0000 ' / in.		CHECKED - KE	REVISED -		SCALE: 1" = 10' | SHEET 2 OF 3 SHEETS | STA. 14+00.00 R1 TO STA. 15+82.08 R1
PLOT DATE = 10/3/2024		DATE - 04/30/2024	REVISED -		

F.A. P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	832
		CONTRACT NO. 62K69		
		ILLINOIS	FED. AID PROJECT	

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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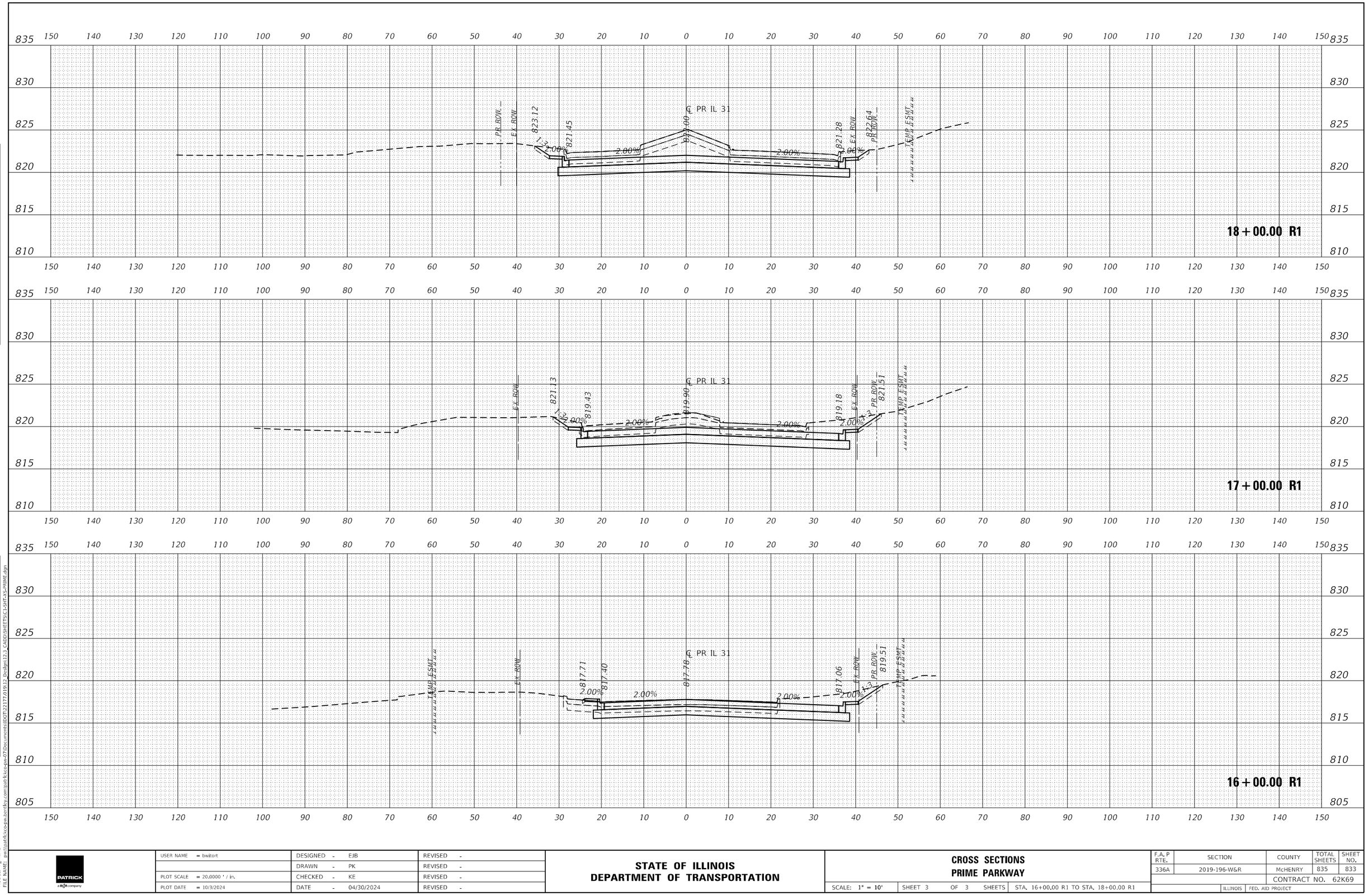


USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - PK	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

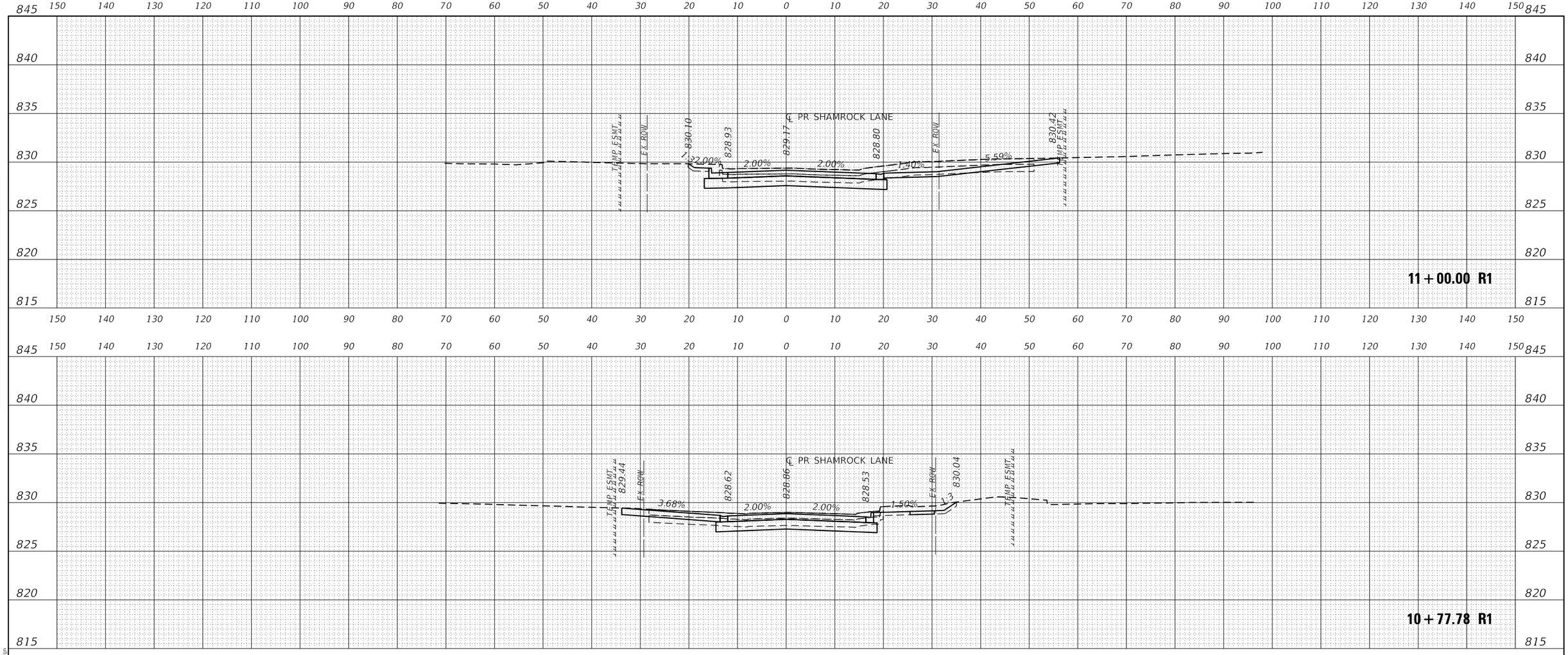
CROSS SECTIONS
PRIME PARKWAY

SCALE: 1" = 10' | SHEET 3 OF 3 SHEETS | STA. 16+00.00 R1 TO STA. 18+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	833
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY / ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

MODEL: P_PRIME
FILE NAME: pw:\\atfl-kcc-pw.bentley.com:atfl-kcc-pw-07\Documents\IDOT\22177.01\9\12 Design\12.3 CADD\SHEETS\C1-SHT-XS-PRIME.dgn



USER NAME = bwitort	DESIGNED - EJB	REVISED -	**STATE OF ILLINOIS**
	DRAWN - PK	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	**CROSS SECTIONS**
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	**SHAMROCK LANE**

SCALE: 1" = 10' | SHEET 1 OF 2 SHEETS | STA. 10+00.00 R1 TO STA. 11+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	834
		CONTRACT NO. 62K69		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: P_SHAMROCK
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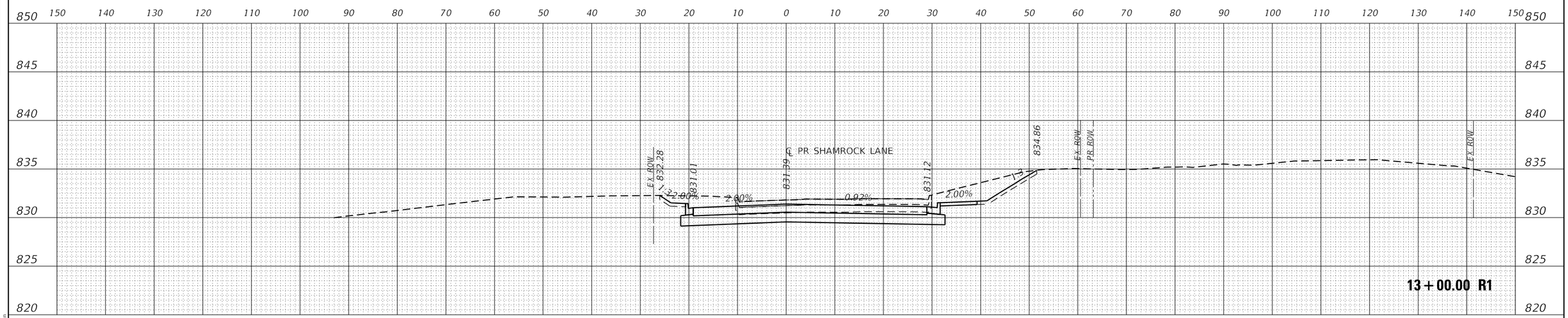

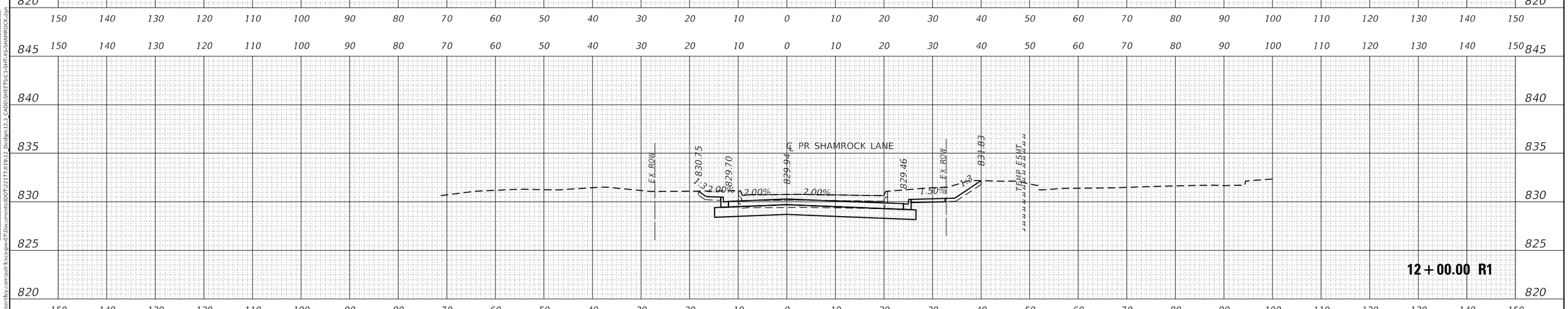

USER NAME = bwitort	DESIGNED - EJB	REVISED -	
	DRAWN - PK	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KE	REVISED -	
PLOT DATE = 10/3/2024	DATE - 04/30/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SHAMROCK LANE

SCALE: 1" = 10' | SHEET 2 OF 2 SHEETS | STA. 12+00.00 R1 TO STA. 13+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2019-196-W&R	McHENRY	835	835

CONTRACT NO. 62K69

ILLINOIS | FED. AID PROJECT

FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: P_SHAMROCK
FILE NAME: pw:\\patrickco-pw.bentley.com:patrickco-pw-07\Documents\IDOT\22177.019\12_Design\12.3_CADD\SHEETS\C1-SHT-XS-SHAMROCK.dgn