

# ENGINEERING PLANS FOR PORTEN'S SUBDIVISION PHASE I - ROAD MAINTENANCE IMPROVMENTS

NUNDA TOWNSHIP, IL

PLANS PREPARED FOR:

MR. MIKE LESPERANCE, HIGHWAY COMMISSIONER  
NUNDA TOWNSHIP ROAD DISTRICT  
3518 BAY RD.  
CRYSTAL LAKE, IL 60012

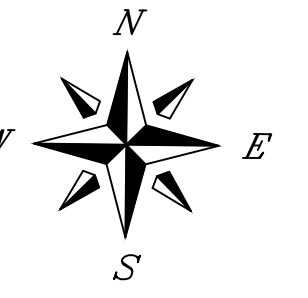
FOR CONSTRUCTION



J. CONDON & ASSOCIATES, INC.  
CONSULTING ENGINEERS  
5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
815.728.0068  
IL DESIGN FIRM # 184-006759

NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
N/A

ISSUE DATE  
03/27/2024

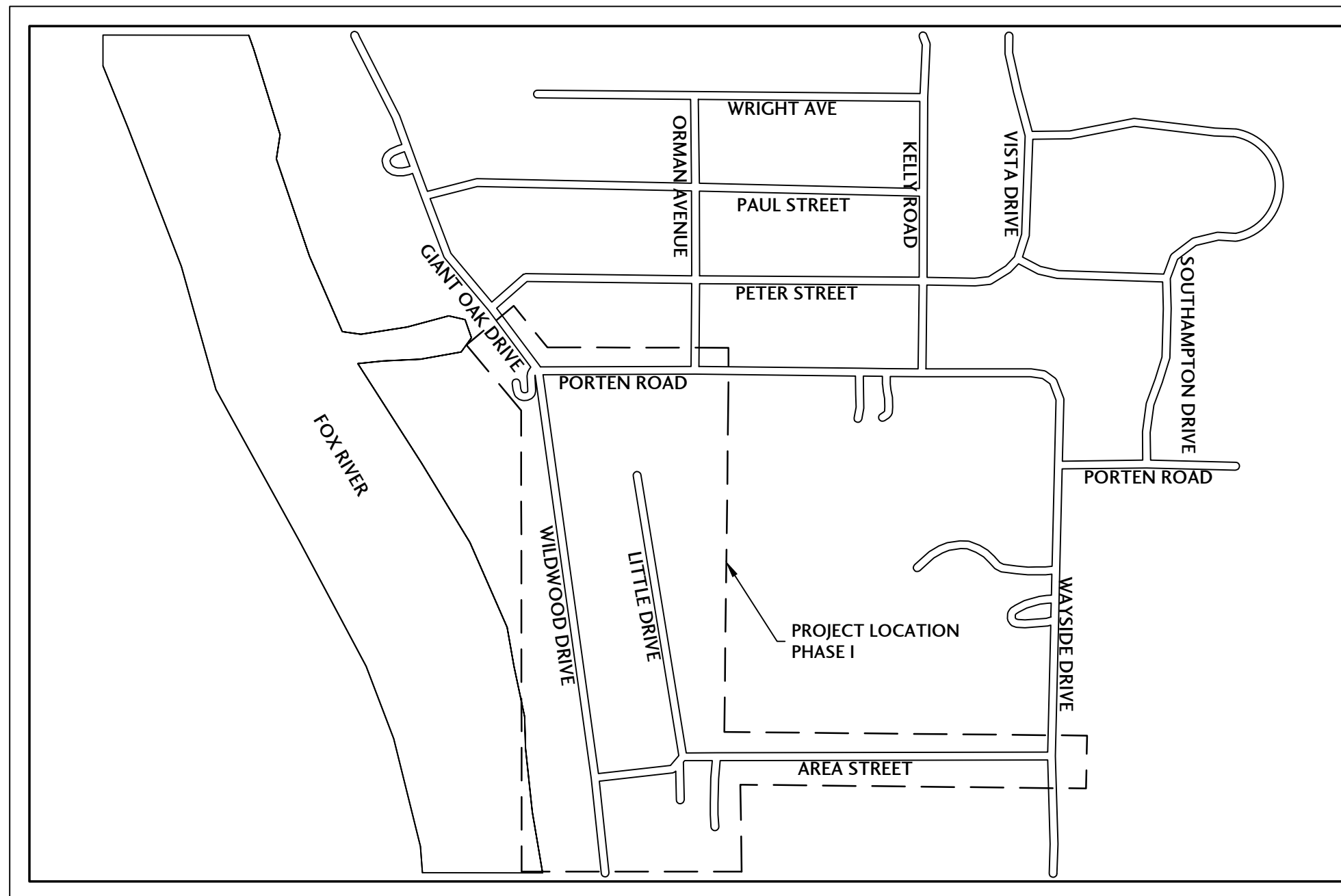
PROJECT MANAGER  
JEC

DESIGNER  
LRT

QUALITY CONTROL  
MAM

PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS

EXISTING	DESCRIPTION	PROPOSED
⊖	DOWN GUY	
⊕	DRAIN	
⊕	ELECTRIC TELEPHONE TV RISERS	
⊕	UTILITY HANDHOLE MANHOLE	
⊕	ELECTRIC GAS WATER METER	
⊕	UTILITY MARKER	
⊕	LIFT STATION	
⊕	SPIGOT	
⊕	TRAFFIC CONTROL BOX	
⊕	TRAFFIC CONTROL SIGNAL	
⊕	TRANSFORMER	
⊕	WELL	
⊕	SOIL BORING	
⊕	A/C UNIT	
⊕	FLAG POLE	
⊕	CURB INLET	
⊕	SANITARY MANHOLE	⊕
⊕	STORM MANHOLE	⊕
⊕	STORM CATCH BASIN	⊕
⊕	STORM INLET	⊕
⊕	FLARED END SECTION	⊕
⊕	VALVE VAULT	⊕
⊕	WATER VALVE	⊕
⊕	FIRE HYDRANT	⊕
⊕	SIGN POST	⊕
⊕	LIGHT POLE	⊕
⊕	DOWNSPOUT	⊕
⊕	BOLLARD	⊕
⊕	UTILITY POLE	⊕
⊕	CLEANOUT	⊕
⊕	MAILBOX	⊕
⊕	WATERMAIN	⊕
⊕	SANITARY SEWER	⊕
⊕	STORM SEWER	⊕
⊕	FENCE	⊕
⊕	OVERHEAD ELECTRIC	⊕
⊕	ELECTRIC SERVICE	⊕
⊕	TELEPHONE SERVICE	⊕
⊕	GAS SERVICE	⊕
⊕	COMBINED SEWER	⊕
⊕	MAJOR CONTOUR	⊕
⊕	MINOR CONTOUR	⊕



LOCATION MAP  
N.T.S.

BENCHMARKS	
SITE BENCHMARK #1: BURY BOLT ON HYDRANT ELEV=741.37 (NAV88)	
SITE BENCHMARK #2: BURY BOLT ON FIRE HYDRANT ELEV=756.04 (NAV88)	
SITE BENCHMARK #3: BURY BOLT ON FIRE HYDRANT ELEV=751.00 (NAV88)	
SITE BENCHMARK #4: BENCH TIE IN UTILITY POLE ELEV=744.09 (NAV88)	
SITE BENCHMARK #5: TAG BOLT ON HYDRANT ELEV=747.35 (NAV88)	
SITE BENCHMARK #6: ARROW BOLT ON HYDRANT ELEV=742.367 (NAV88)	
SITE BENCHMARK #7: NE BOLT ON FIRE HYDRANT ELEV=771.62 (NAV88)	
SITE BENCHMARK #8: ARROW BOLT ON FIRE HYDRANT ELEV=766.40 (NAV88)	



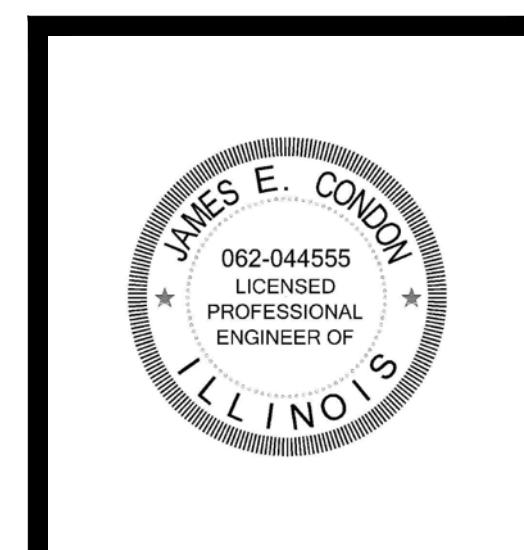
Know what's below.  
Call before you dig.

OPERATES  
24 Hours  
365 Days

CALL JULIE 1-800-892-0123  
WITH THE FOLLOWING:  
COUNTY McHENRY  
CITY-TOWNSHIP NUNDA  
SEC. & 1/4 SEC. NO. # NW 1/4 SEC 32, T45N, R9E  
48 Hours Before You Dig.  
EXCLUDING SAT., SUN., & HOLIDAYS

SHEET INDEX:	
C0.0	COVER SHEET
C0.1	SPECIFICATIONS, TYPICAL SECTIONS, NOTES & STORM SEWER TAGS
C1.0	OVERALL SITE PLAN
C2.0-2.3	WILDWOOD DRIVE IMPROVEMENTS
C2.4-2.9	WILDWOOD DRIVE CROSS SECTIONS
C3.0-3.2	AREA STREET IMPROVEMENTS
C3.3-3.6	AREA STREET CROSS SECTIONS
C4.0-4.1	LITTLE DRIVE IMPROVEMENTS
C4.2-4.3	LITTLE DRIVE CROSS SECTIONS
C5.0	PORTEN ROAD IMPROVEMENTS
C5.1	PORTEN ROAD CROSS SECTIONS
C6.0	STANDARD DETAILS
C6.1	STANDARD DETAILS

FOR CONSTRUCTION



I HEREBY CERTIFY THAT THE PLANS WITH THE FIRM'S NAME LISTED BELOW WERE PREPARED UNDER MY DIRECT SUPERVISION. FURTHERMORE, THE PROPOSED PROJECT WILL NOT RESULT IN DRAINAGE, EROSION OR RUNOFF WHICH ADVERSELY IMPACTS ADJACENT PROPERTIES OR THE PUBLIC RIGHT-OF-WAY. THE PLANS PREPARED MEET THE MINIMUM REQUIREMENTS OF THE MCHENRY COUNTY STORMWATER MANAGEMENT ORDINANCE. DATED AT RINGWOOD, ILLINOIS THIS 13th DAY OF JANUARY, 2025

*James E. Condon*  
JAMES E. CONDON, P. E., J. CONDON & ASSOCIATES, INC.  
ILLINOIS REG. PROF. ENGINEER No. 062-044555 EXPIRATION DATE 11-30-2025  
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION FIRM NUMBER: 184-006759

NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

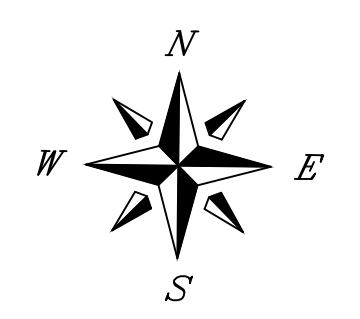
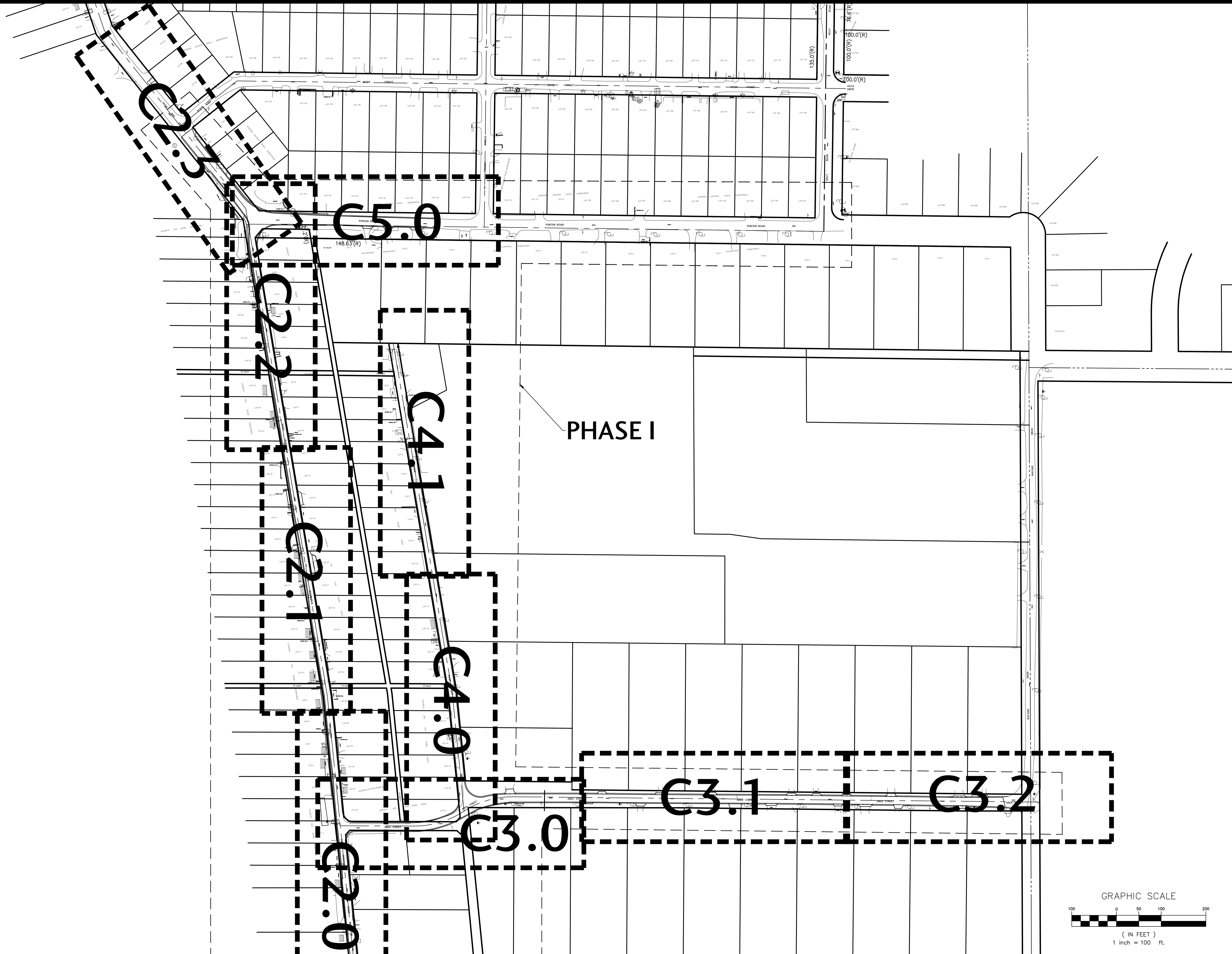
LIMITATION OF WARRANTY OF ENGINEERS' INSTRUMENTS OF SERVICE  
THE ENGINEER AND HIS CONSULTANTS DO NOT WARRANT OR GUARANTEE THE ACCURACY AND COMPLETENESS OF THE DELIVERABLES HEREIN BEYOND A REASONABLE DILIGENCE. IF ANY MISTAKES, OMISSIONS, OR DISCREPANCIES ARE FOUND TO EXIST WITHIN THE DELIVERABLES, THE ENGINEER SHALL BE PROMPTLY NOTIFIED SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE ENGINEER OF SUCH CONDITIONS SHALL ABSOLVE THE ENGINEER FROM ANY RESPONSIBILITY FOR THE CONSEQUENCES OF SUCH FAILURE. ACTIONS TAKEN WITHOUT THE KNOWLEDGE AND CONSENT TO THE ENGINEER, OR IN CONTRADICTION TO THE ENGINEER'S DELIVERABLES FOR RECOMMENDATIONS, SHALL BECOME THE RESPONSIBILITY NOT OF THE ENGINEER BUT OF THE PARTIES RESPONSIBLE FOR TAKING SUCH ACTION.

PROJECT NUMBER  
NTRD-21020-3

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COVER SHEET

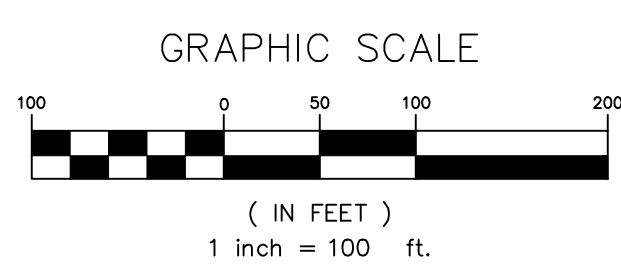
SHEET NUMBER  
C0.0





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1	10/10/24	PER COUNTY STORMWATER REVIEW
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PROJECT NUMBER	NTD-21020-3
SHEET TITLE	OVERALL PLAN
SHEET NUMBER	C1.0

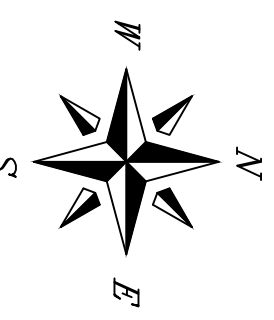




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815.728.0068  
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NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
1" = 20'  
ISSUE DATE  
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JEC  
DESIGNER  
LRT  
QUALITY CONTROL  
MAM

PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS

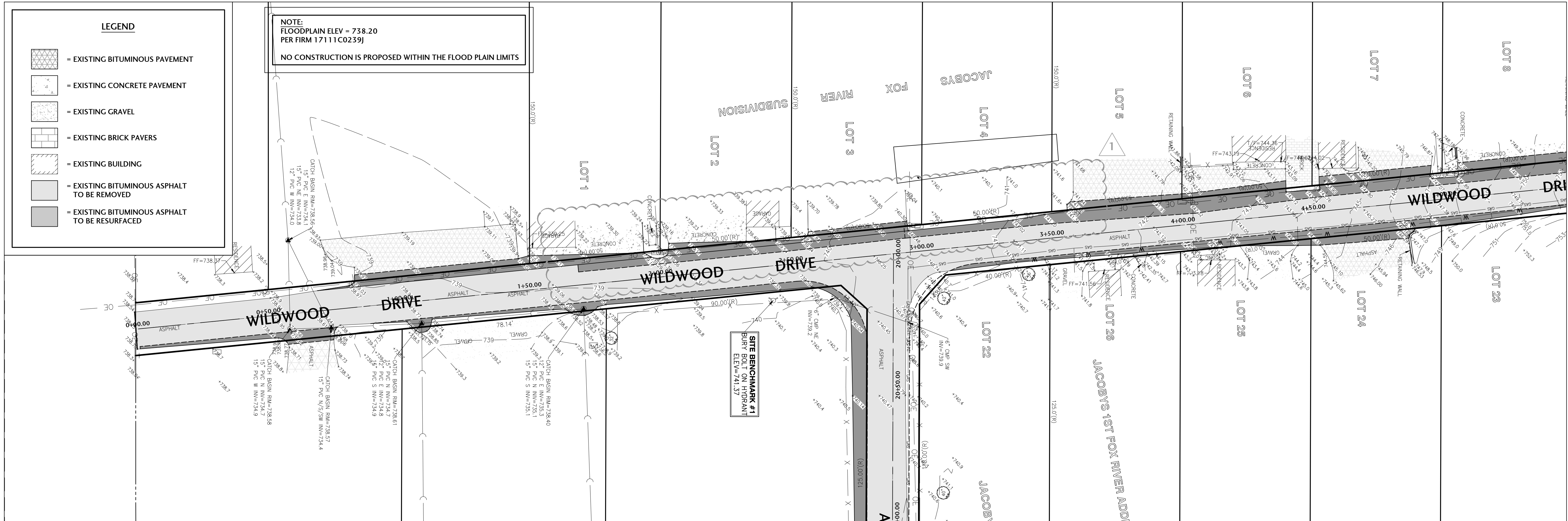
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NTRD-21020-3

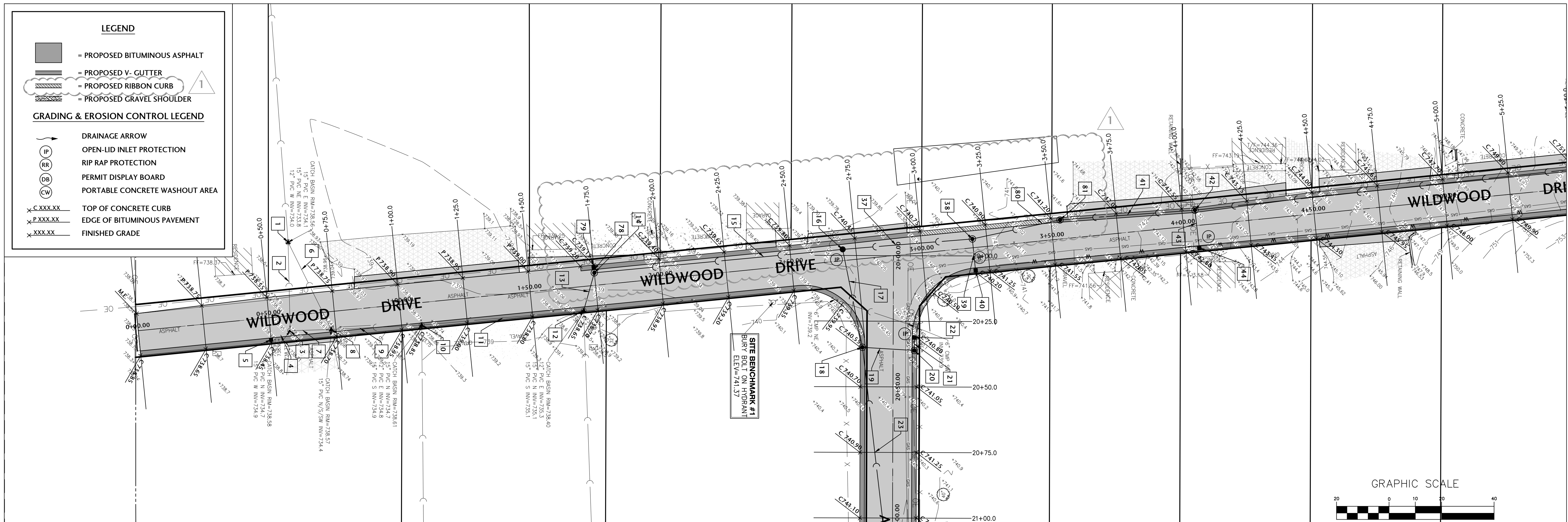
SHEET TITLE  
WILDWOOD DRIVE  
IMPROVEMENTS  
STA 0+00 TO 5+50

SHEET NUMBER

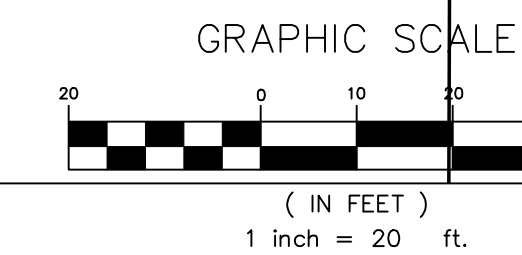
C2.0



### EXISTING CONDITIONS AND ROADWAY REMOVAL PLAN



### PROPOSED ROADWAY PLAN

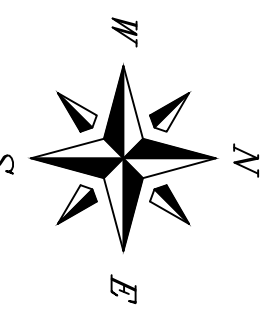




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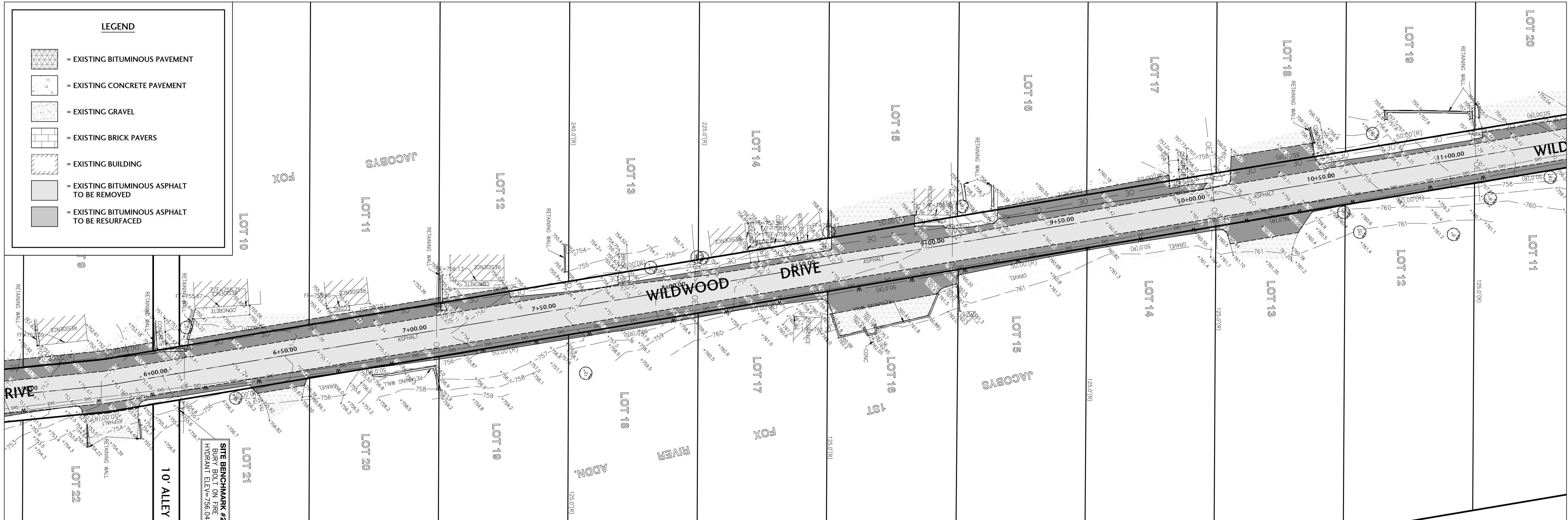
NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS

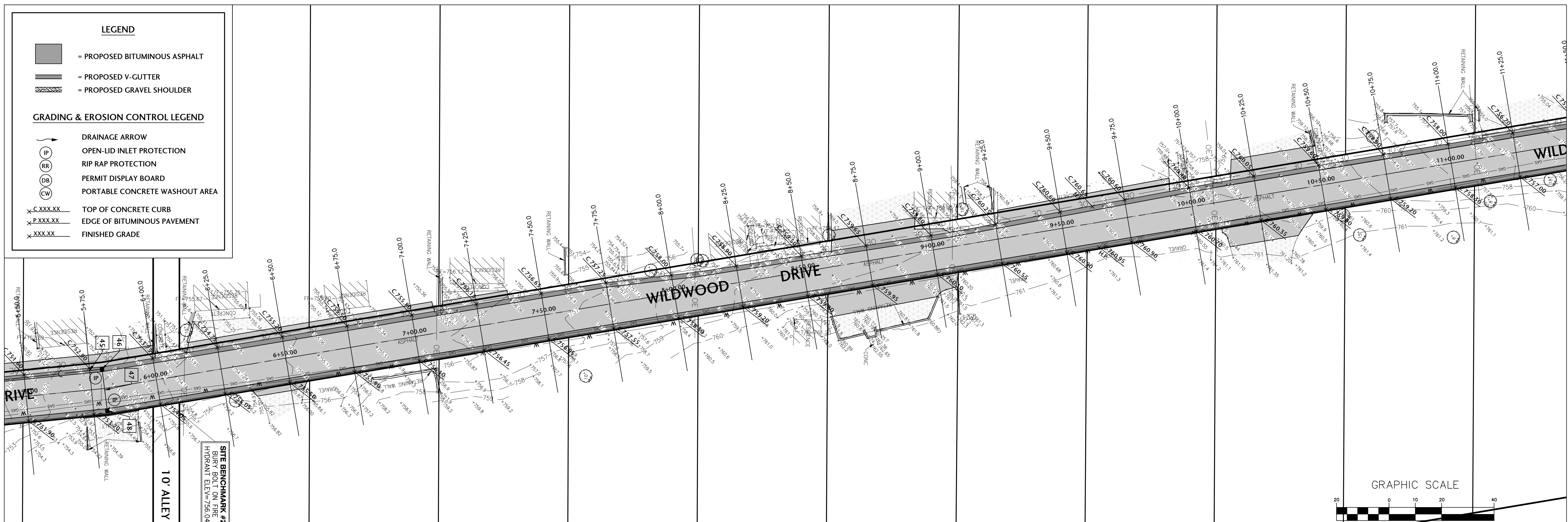


SCALE  
1" = 20'  
ISSUE DATE  
03/27/2024  
PROJECT MANAGER  
JEC  
DESIGNER  
LRT  
QUALITY CONTROL  
MAM

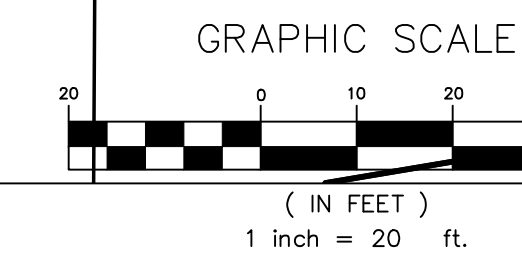
PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS



**EXISTING CONDITIONS AND ROADWAY REMOVAL PLAN**



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NTRD-21020-3

SHEET TITLE  
WILDWOOD DRIVE  
IMPROVEMENTS  
STA 5+50 TO 11+50

SHEET NUMBER

C2.1

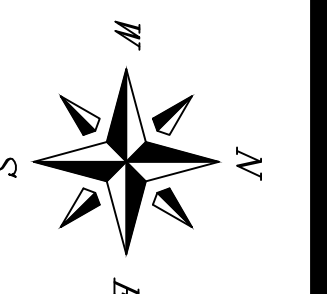


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815.728.0068

ILL. DESIGN FIRM # 184-006759

NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS



SCALE

1" = 20'

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DESIGNER

LRT

QUALITY CONTROL

MAM

PORTEN'S HICKORY

KNOLL

SUBDIVISIONS

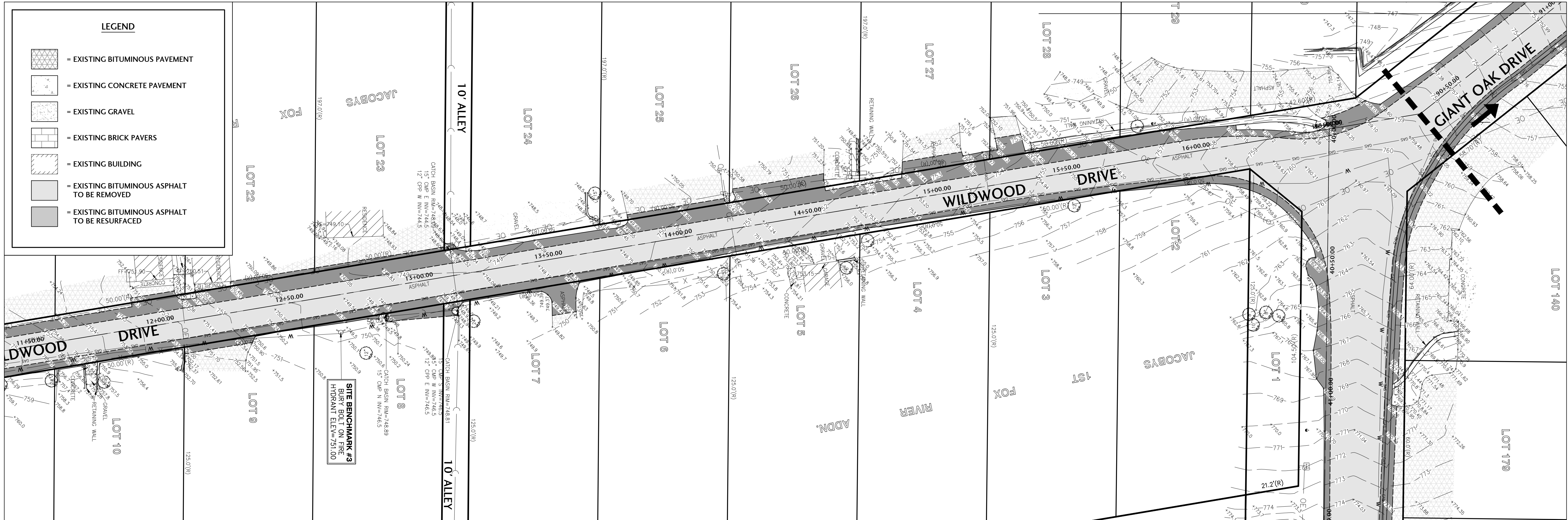
DRAINAGE &

ROADWAY

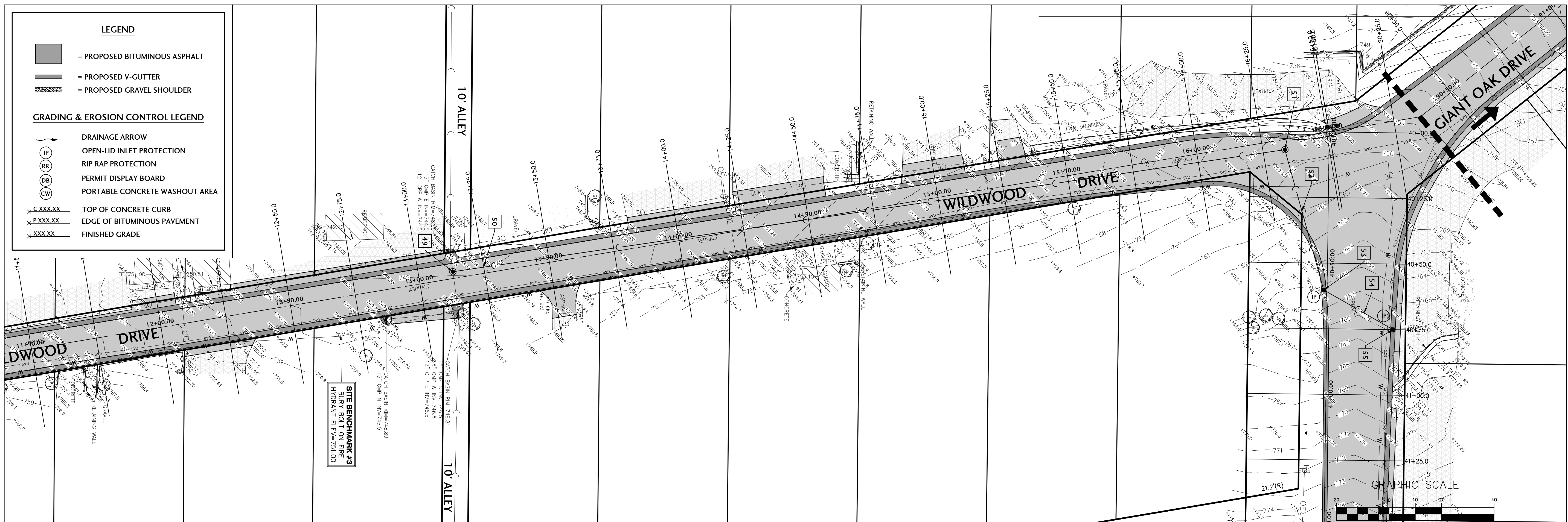
IMPROVEMENTS

NUNDA TOWNSHIP,

ILLINOIS



EXISTING CONDITIONS AND ROADWAY REMOVAL PLAN



PROPOSED ROADWAY PLAN

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NTRD-21020-3

SHEET TITLE  
WILDWOOD DRIVE  
IMPROVEMENTS  
STA 11+50 TO 16+50

SHEET NUMBER  
C2.2

( IN FEET )  
1 inch = 20 ft.

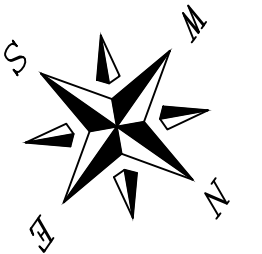


J. CONDON & ASSOCIATES, INC.  
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541 S. BUSINESS PARKWAY  
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815.728.0068

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NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS



SCALE

1" = 20'

ISSUE DATE

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PROJECT MANAGER

JEC

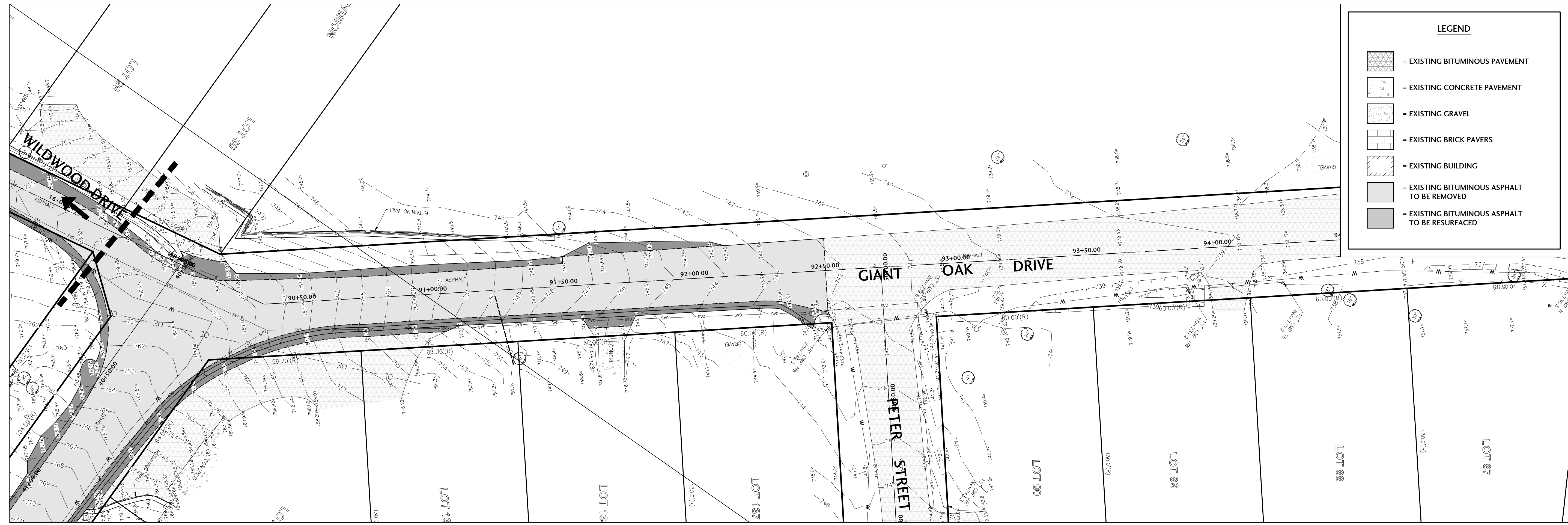
DESIGNER

LRT

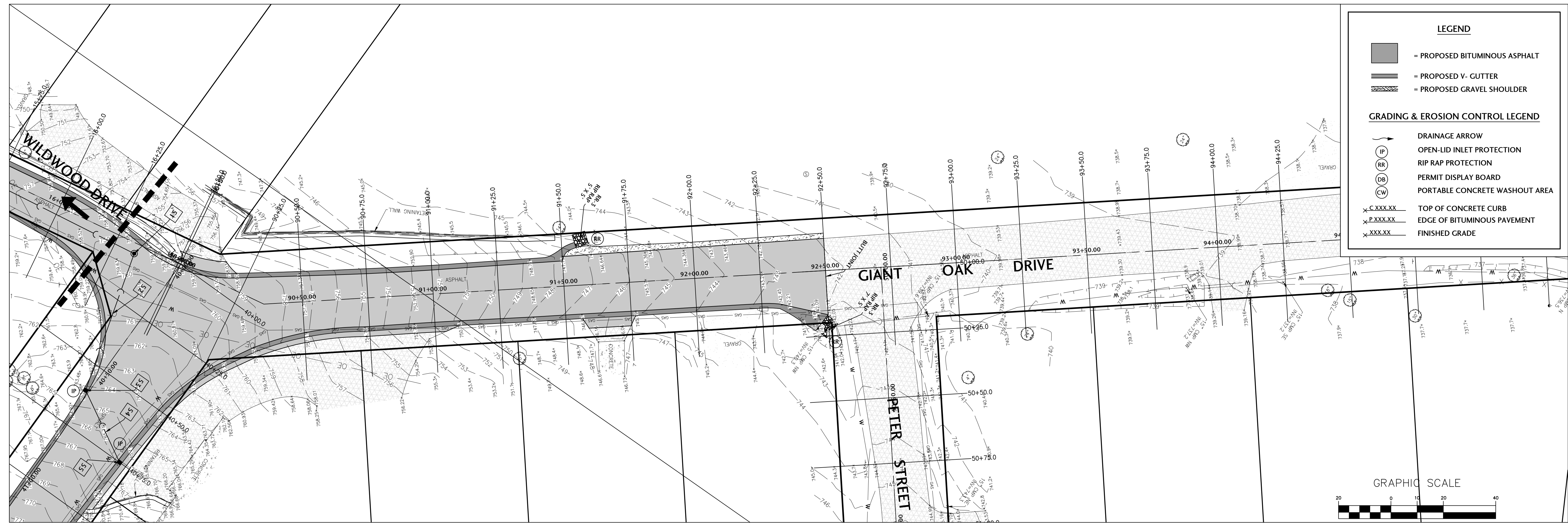
QUALITY CONTROL

MAM

PORTEN'S HICKORY  
KNOLL  
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NTRD-21020-3

SHEET TITLE  
GIANT OAK DRIVE  
IMPROVEMENTS  
STA 90+00 TO 95+00

SHEET NUMBER  
C2.3

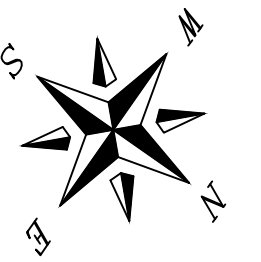


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ILLINOIS



SCALE  
1"=10' H 1"=5' V

ISSUE DATE  
03/27/2024

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MAM

**PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS**

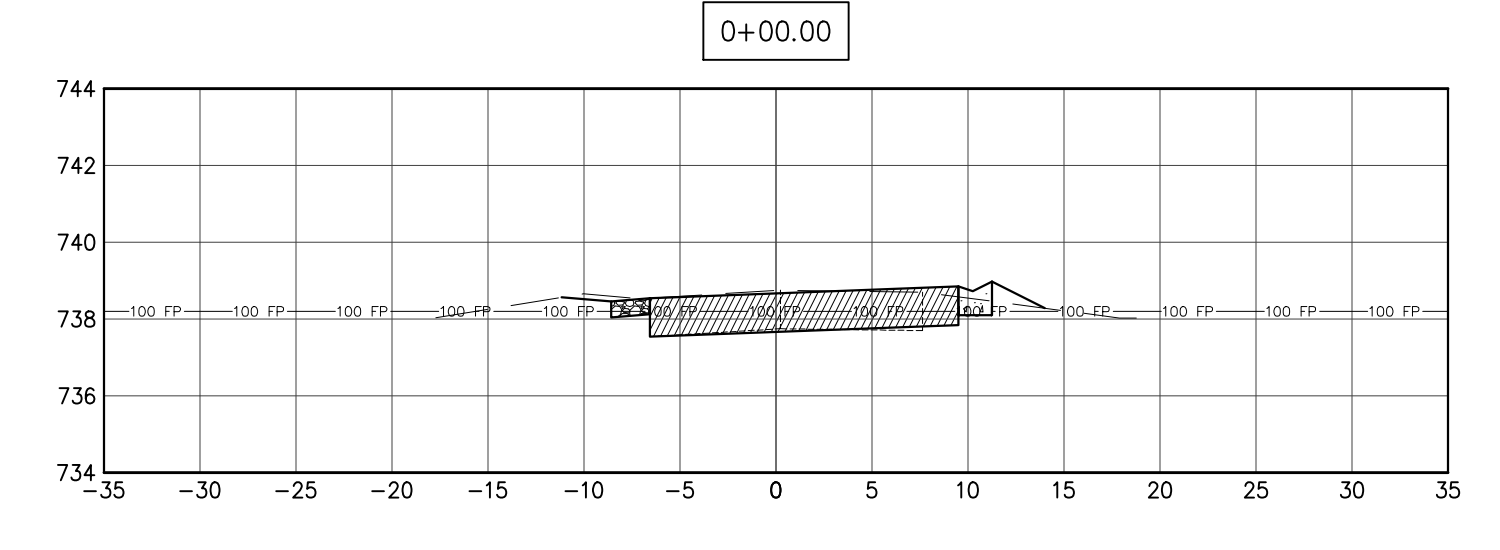
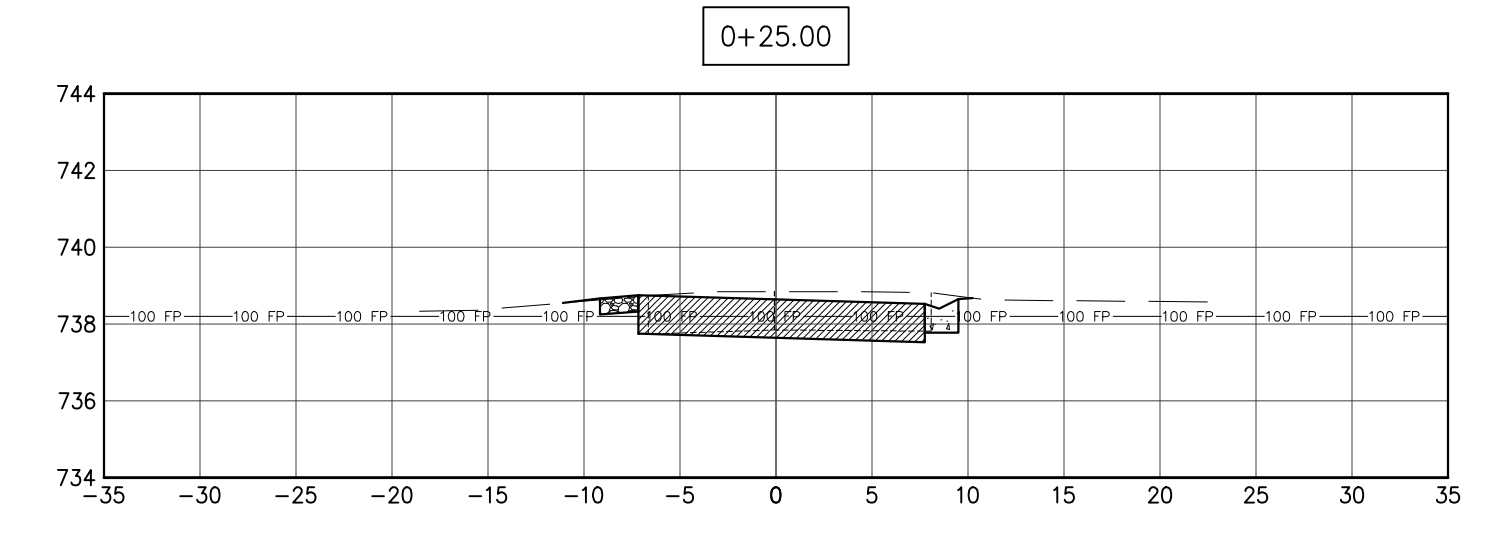
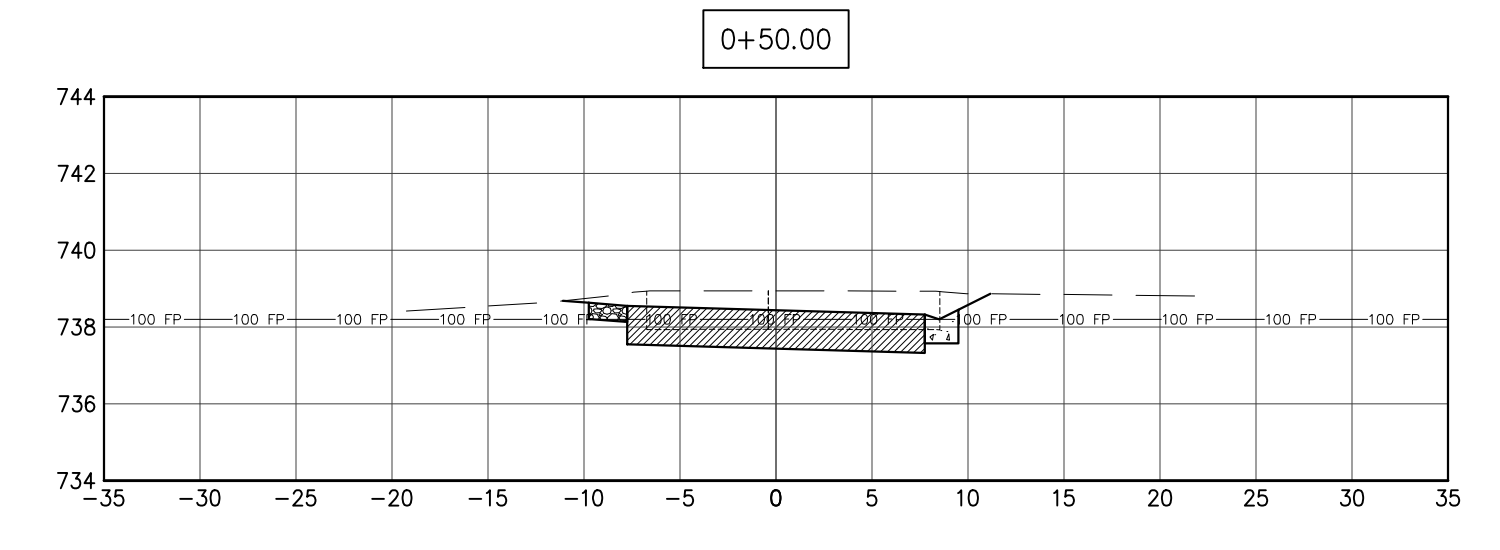
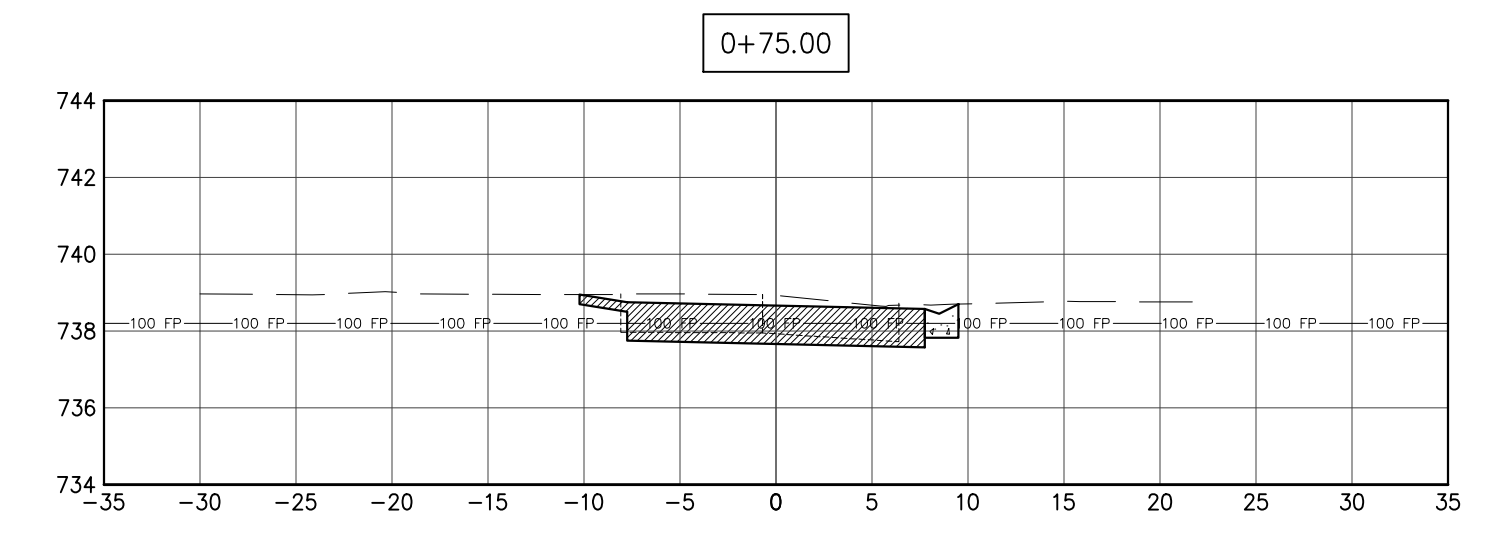
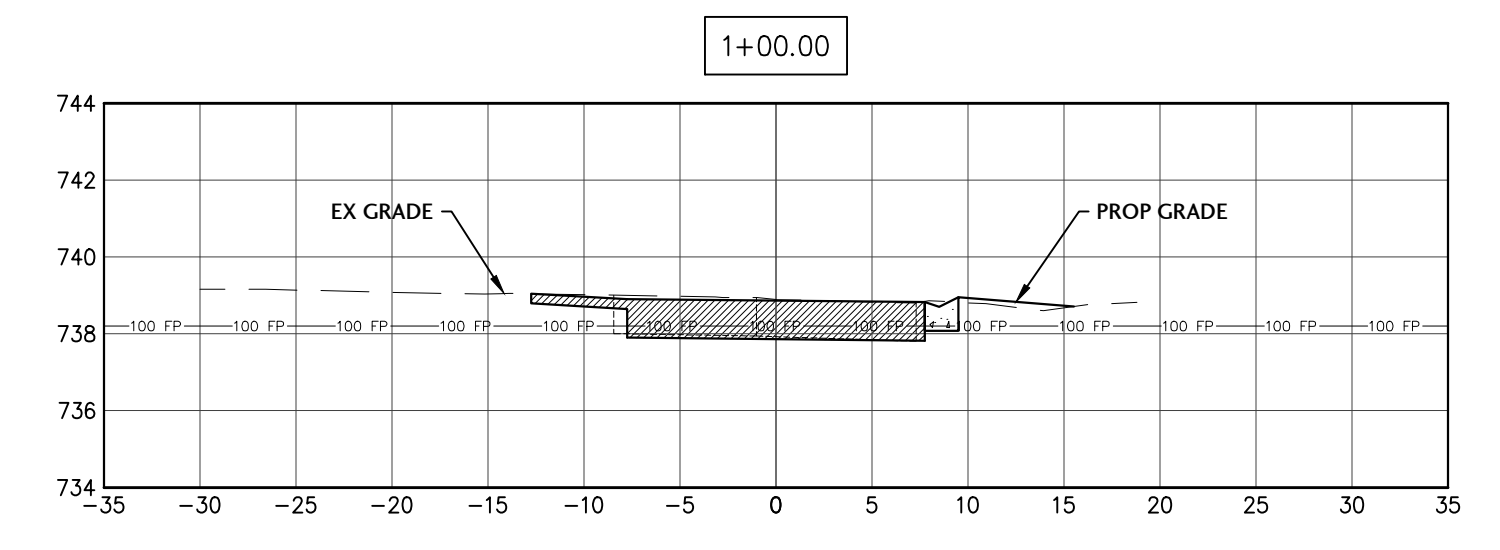
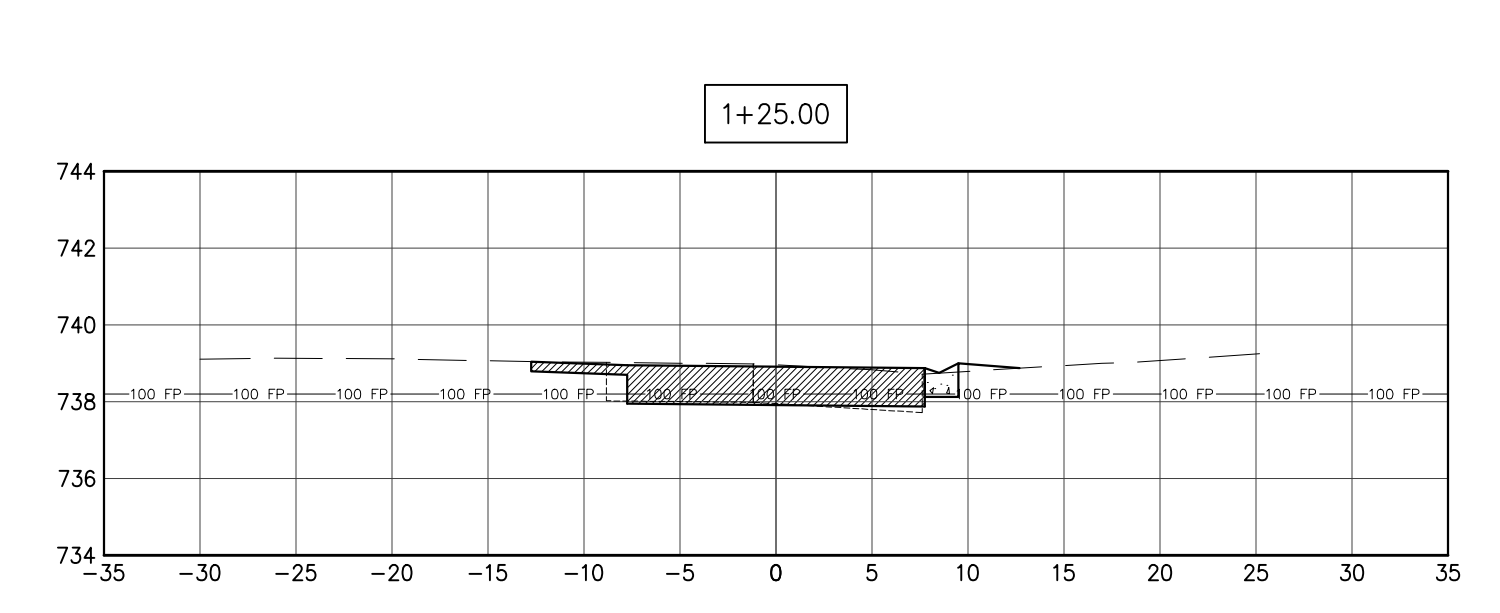
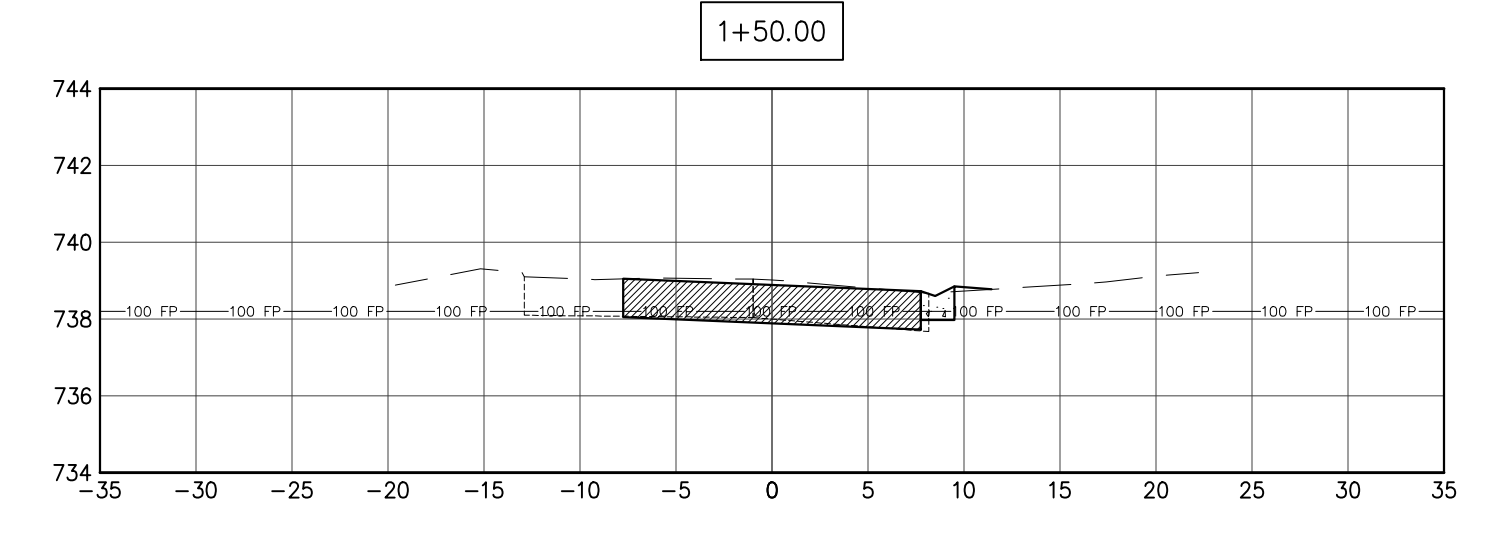
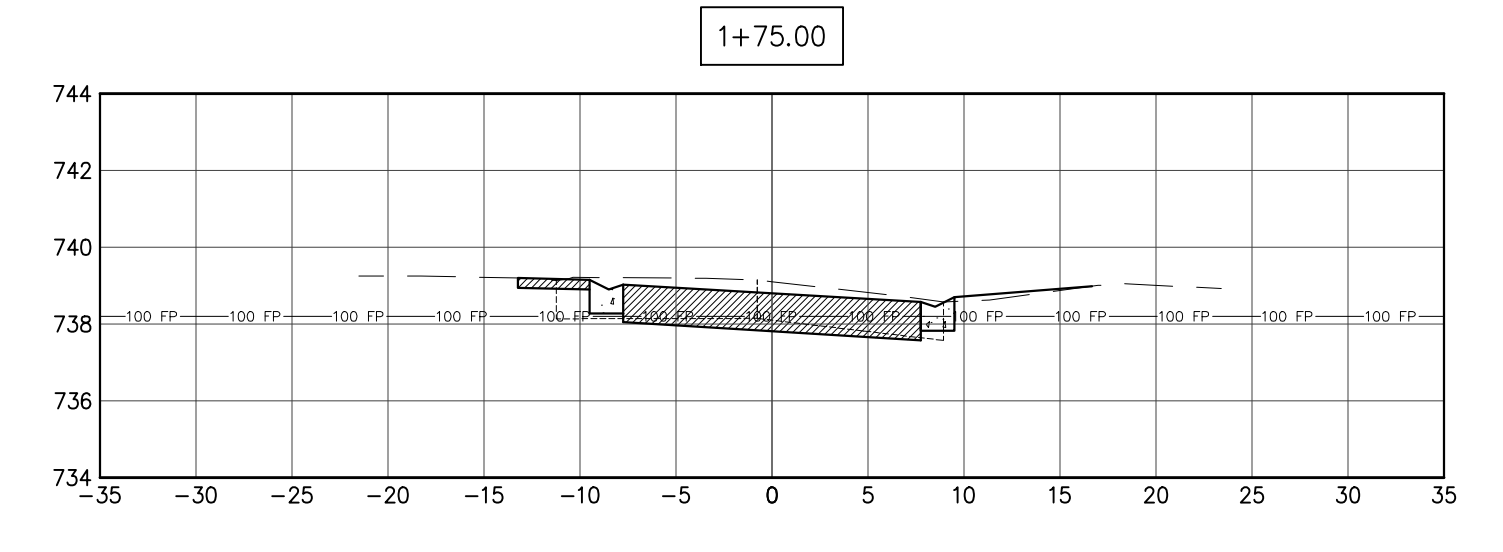
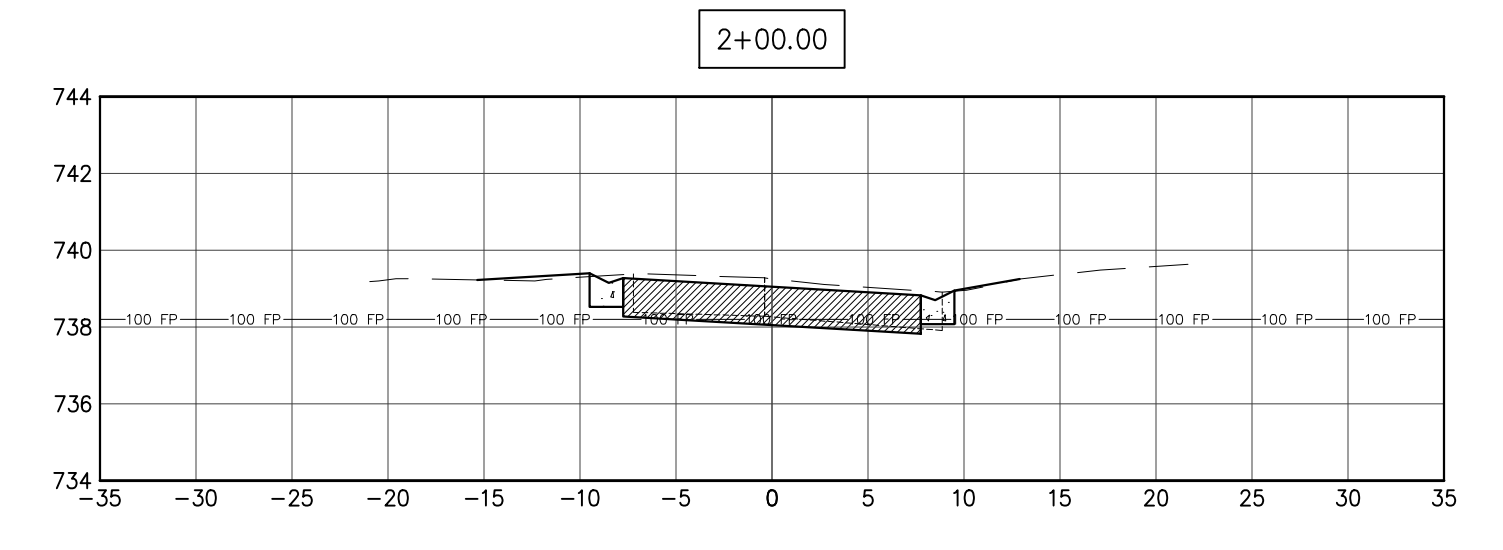
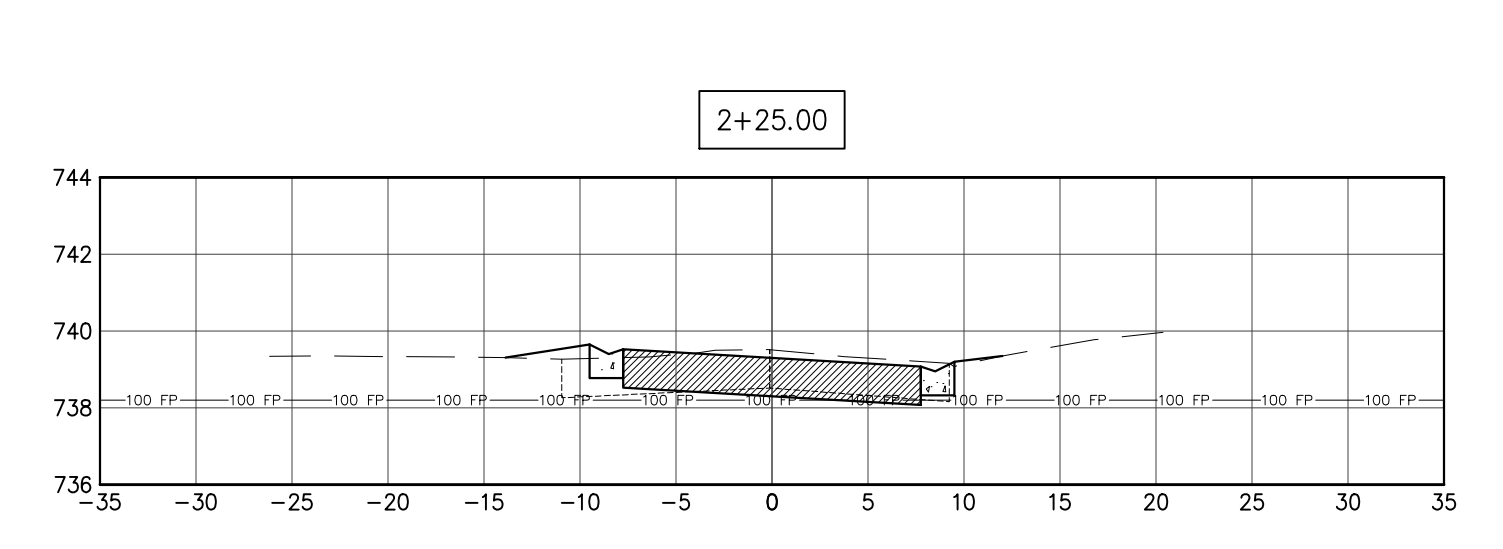
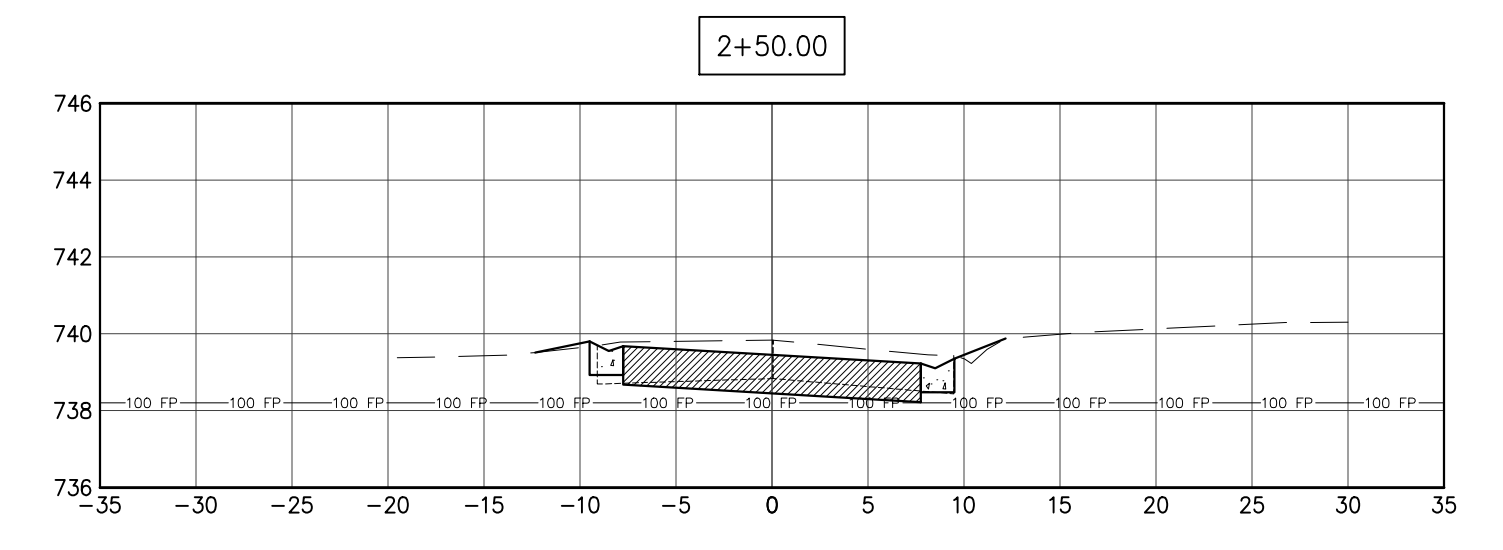
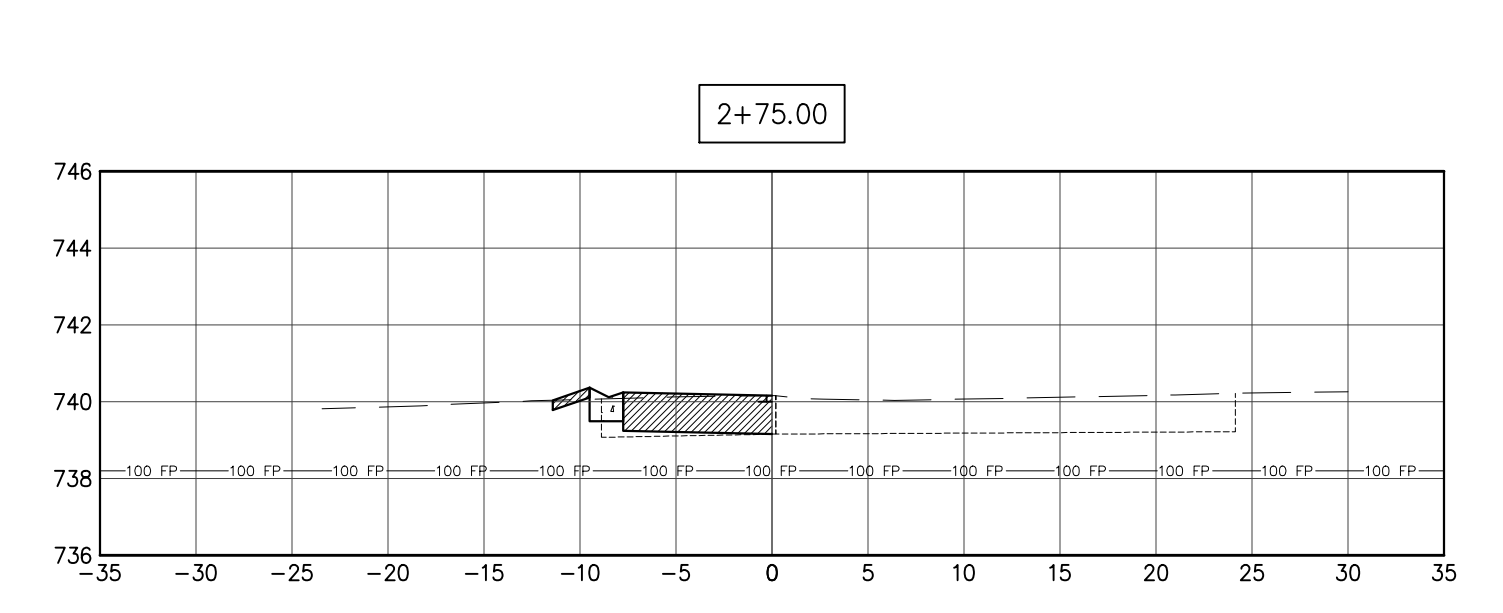
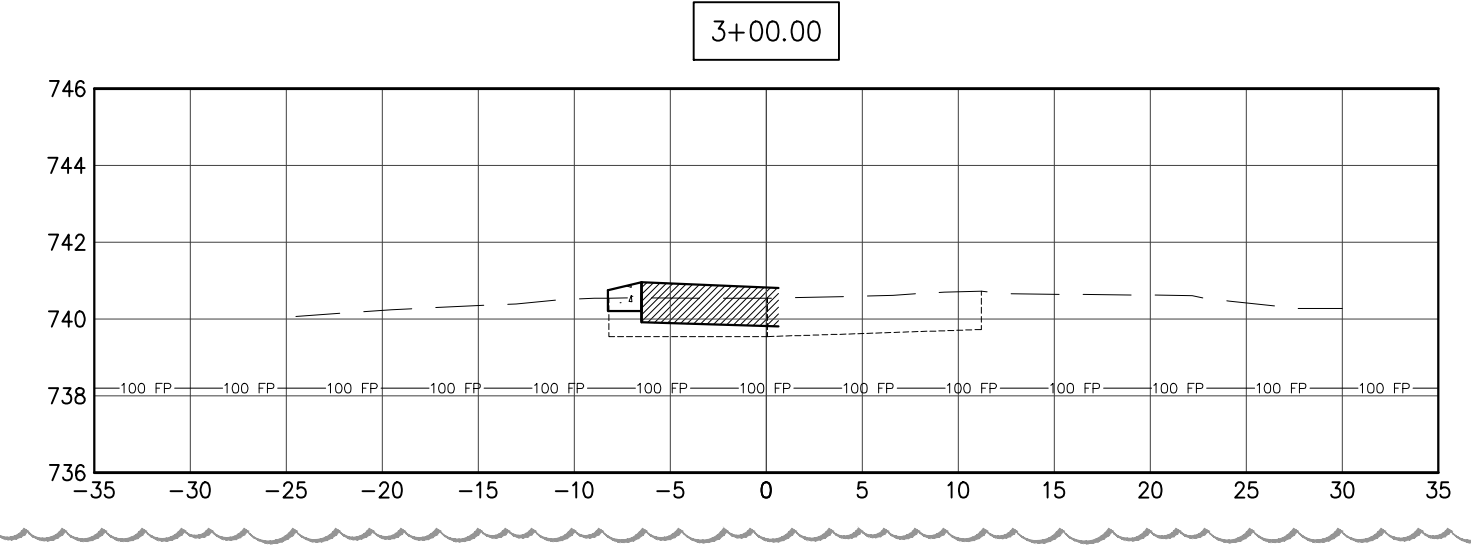
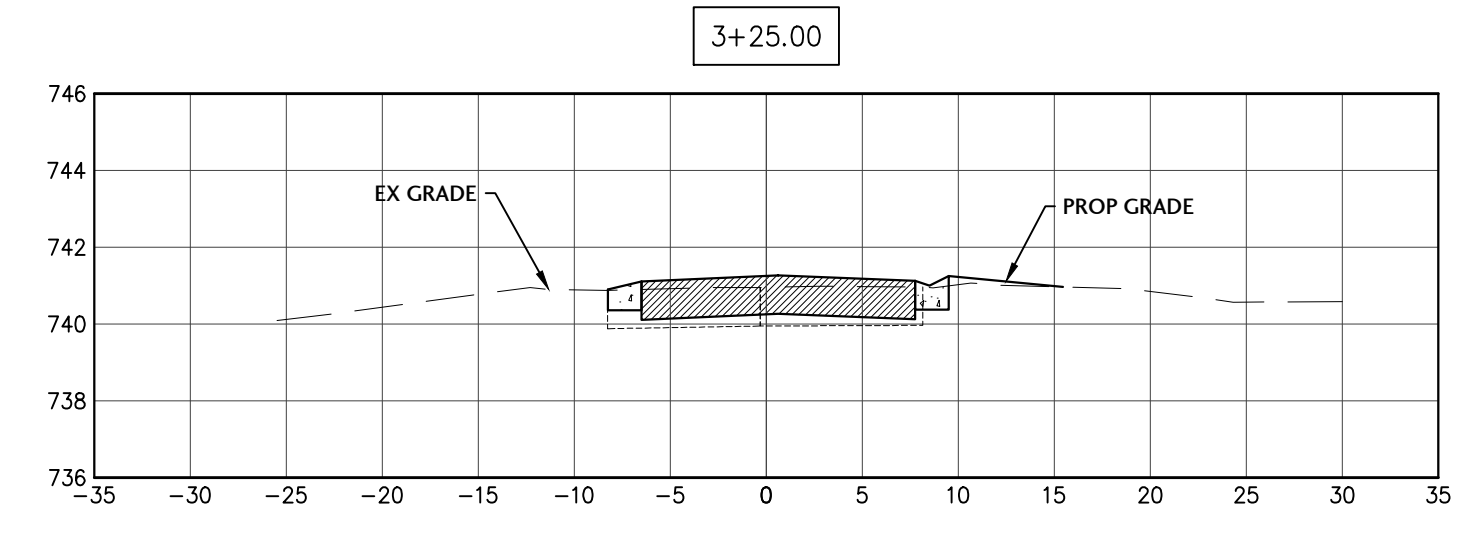
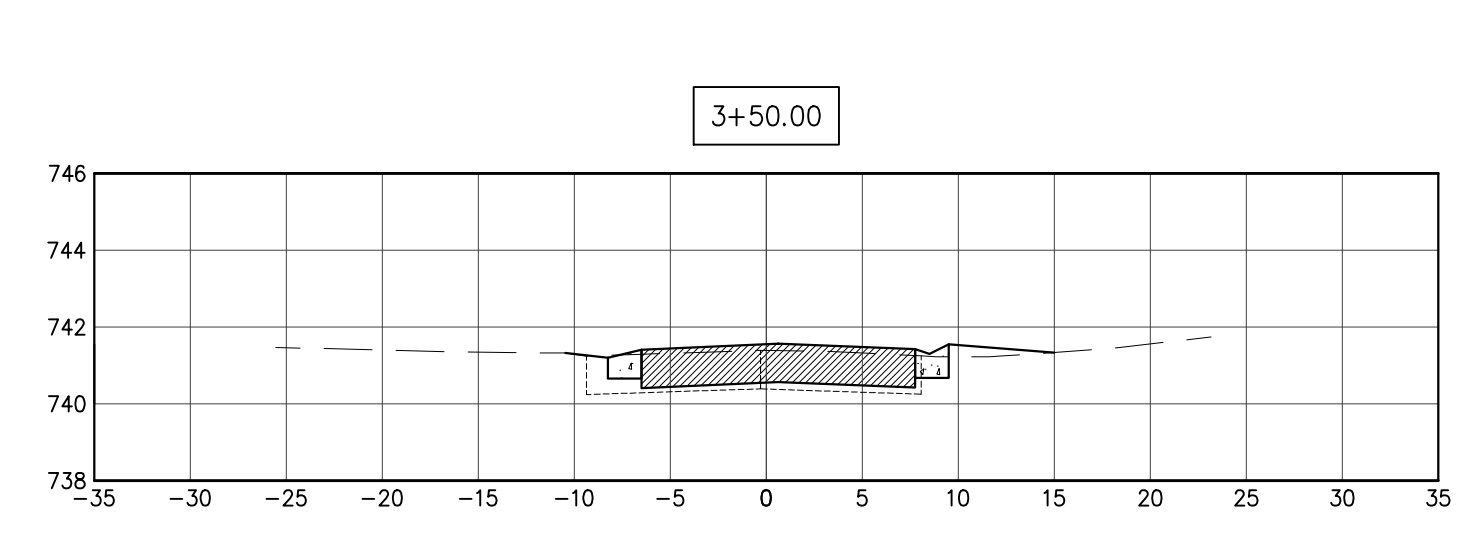
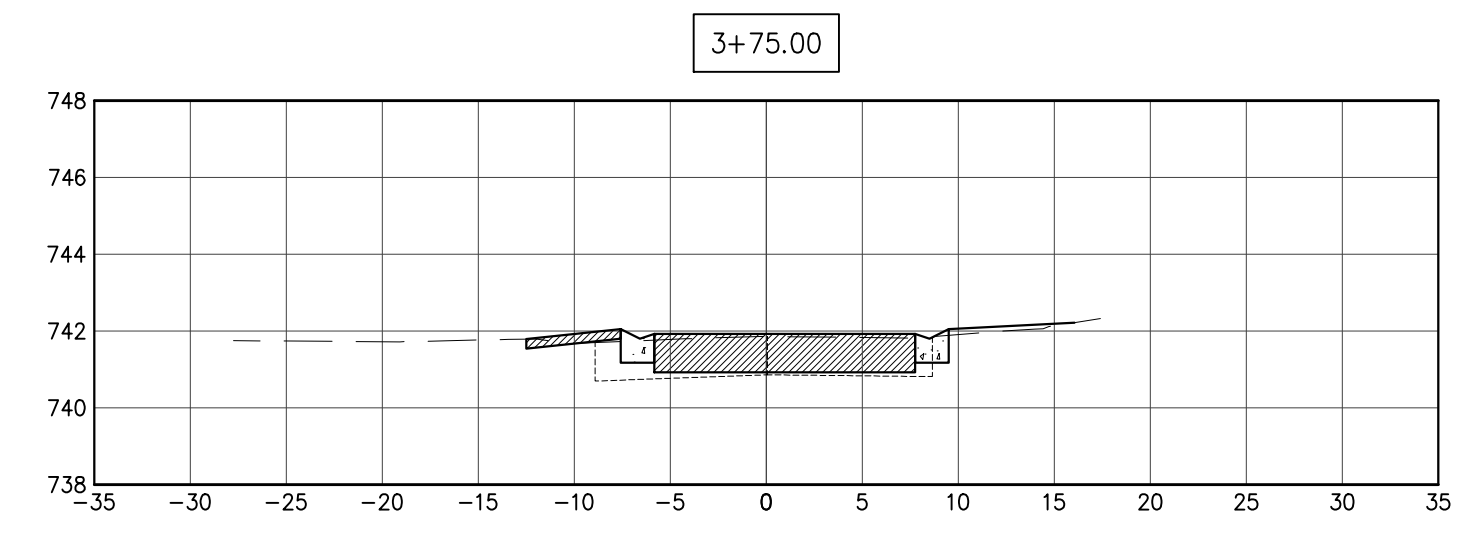
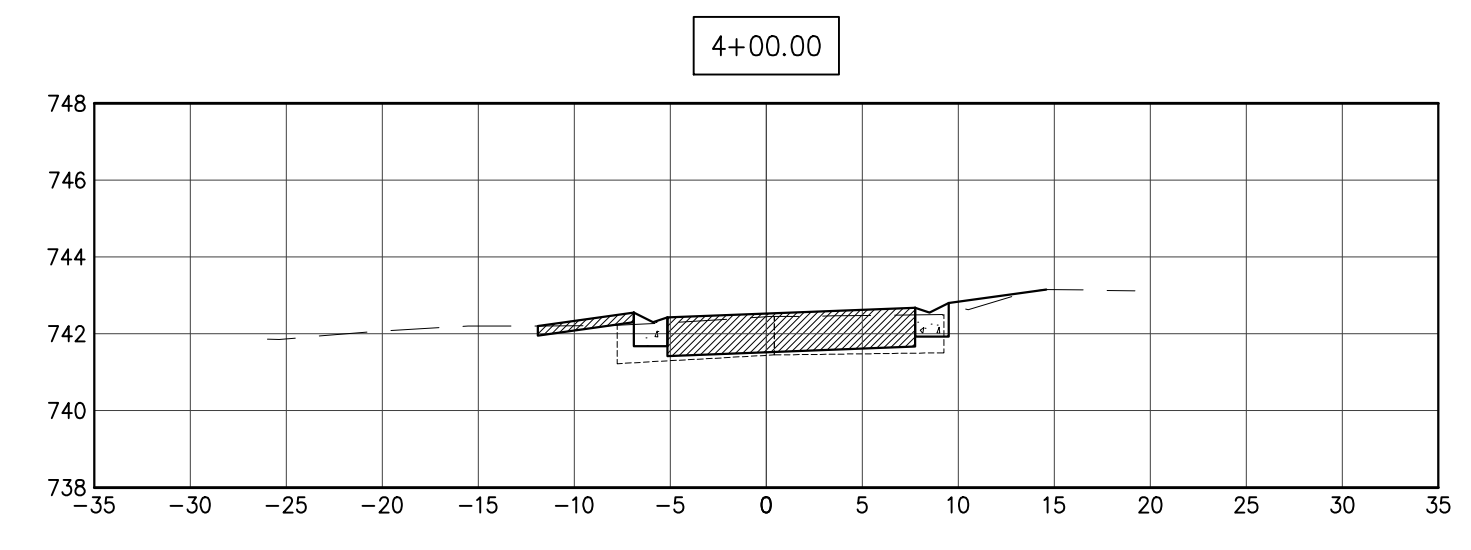
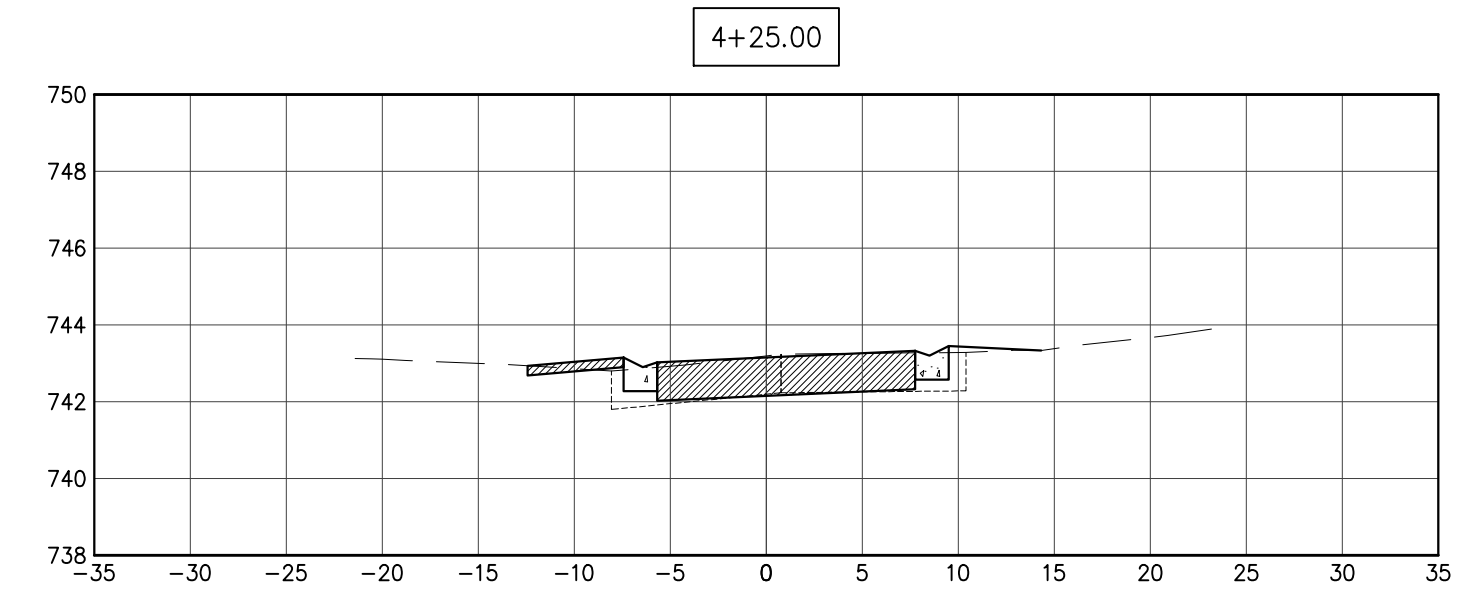
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**SHEET TITLE**  
**CROSS SECTIONS  
WILDWOOD DRIVE  
STA 0+00 - 4+25**

**SHEET NUMBER**

**C2.4**



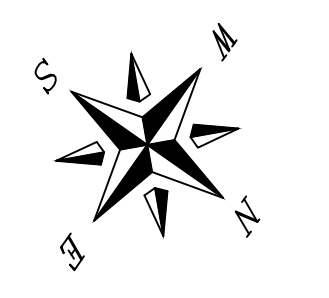




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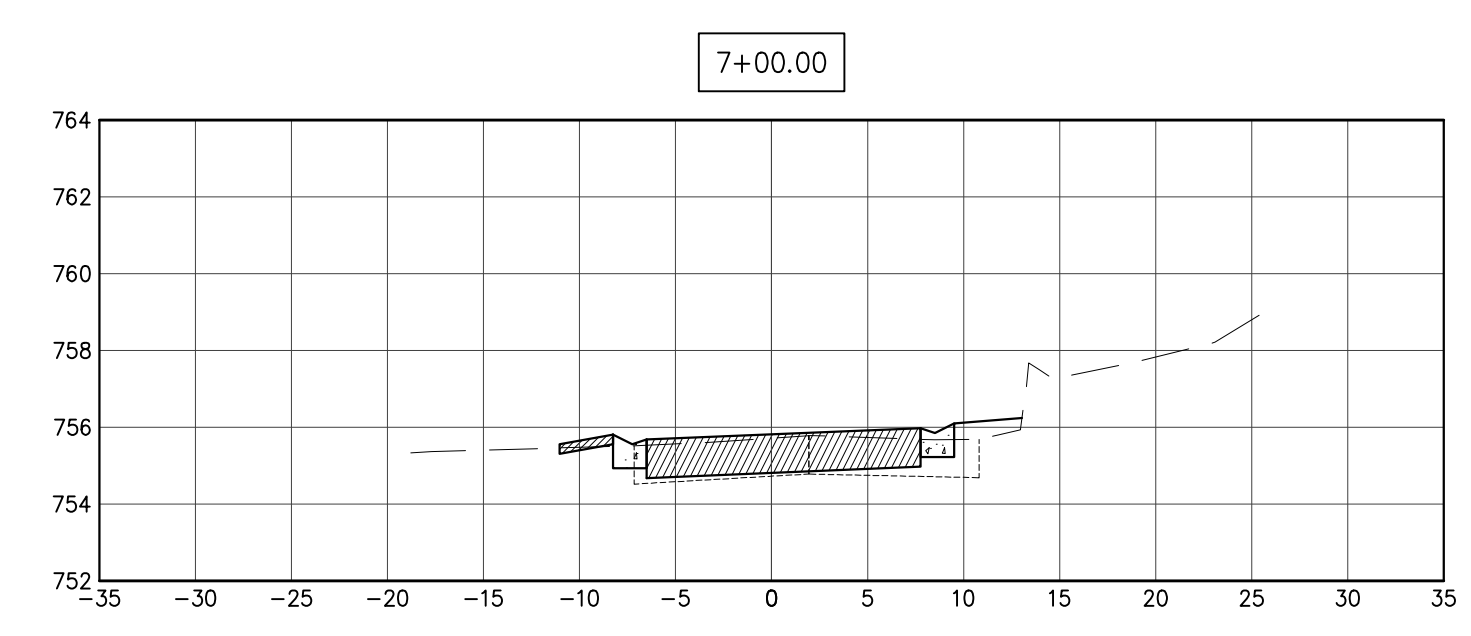
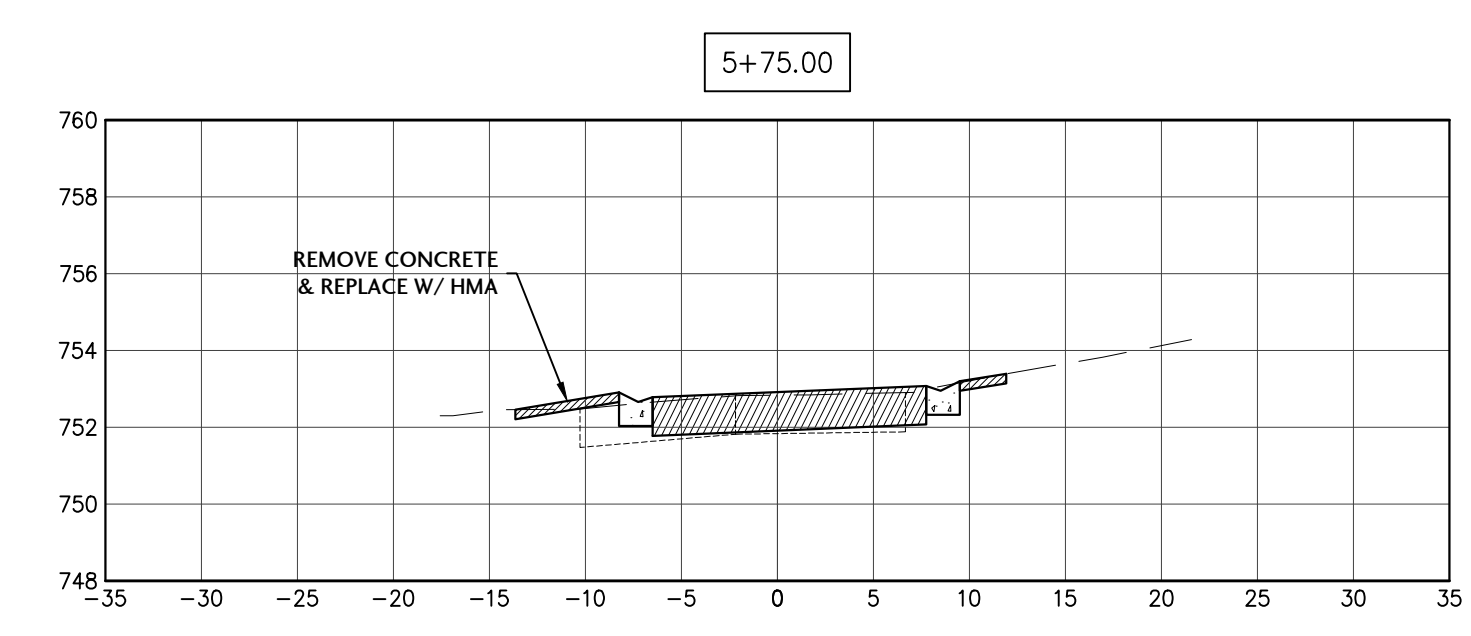
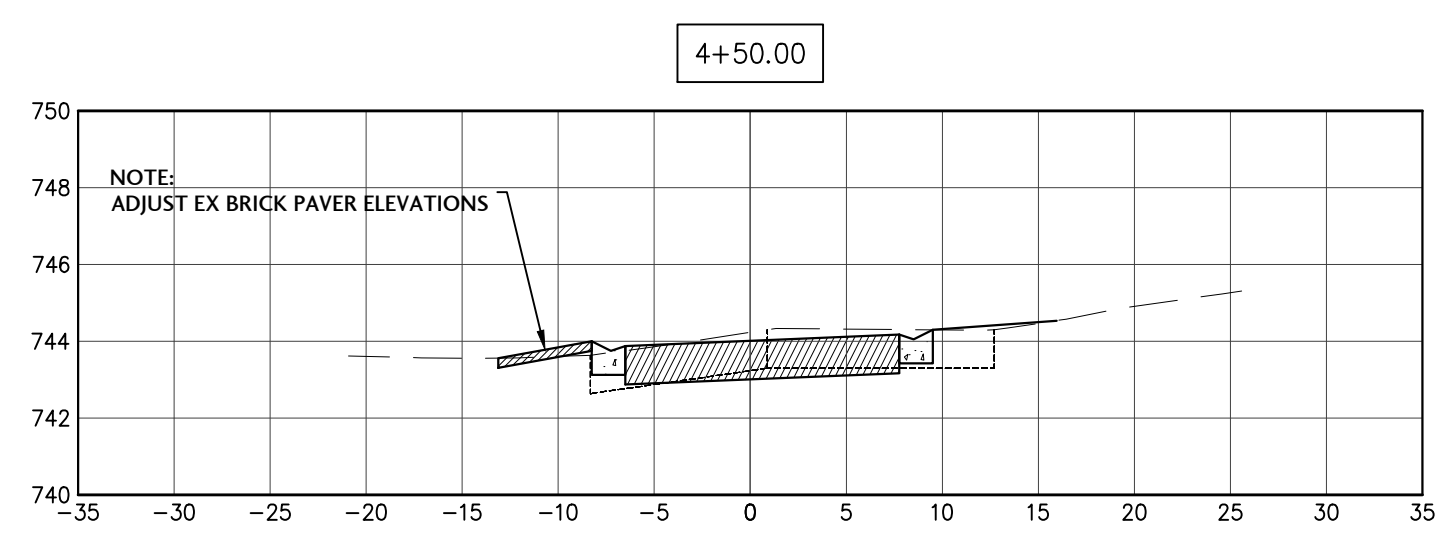
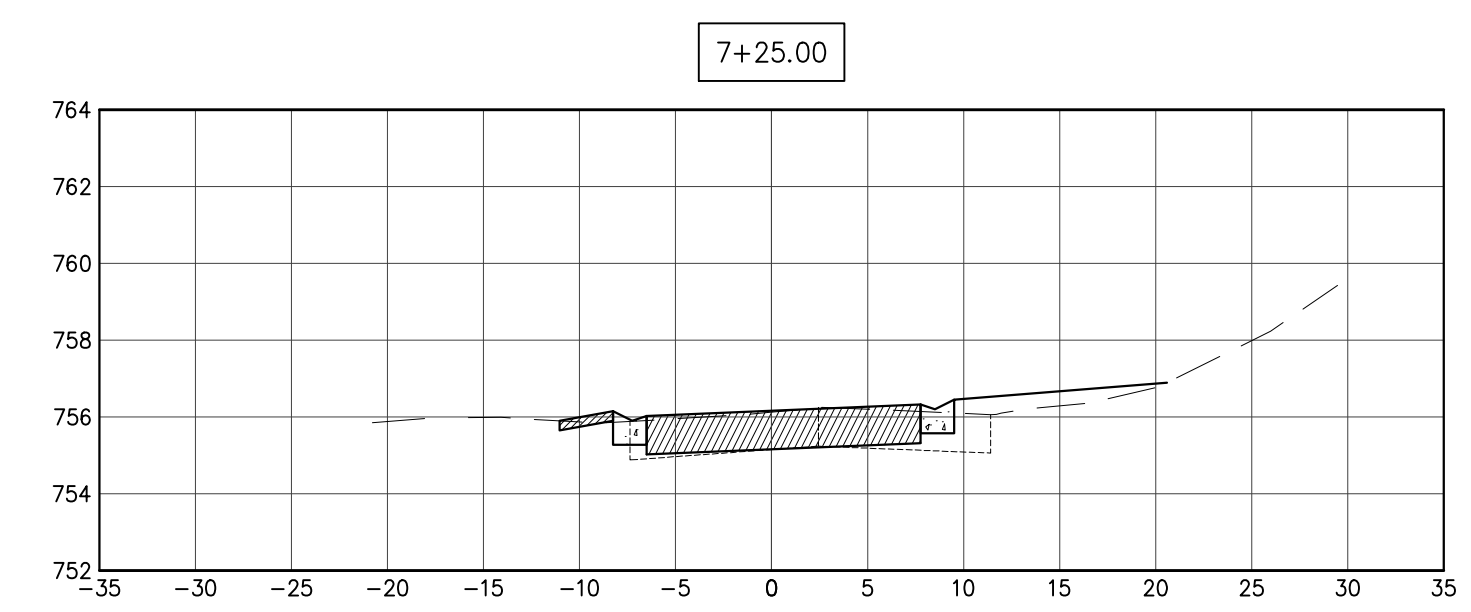
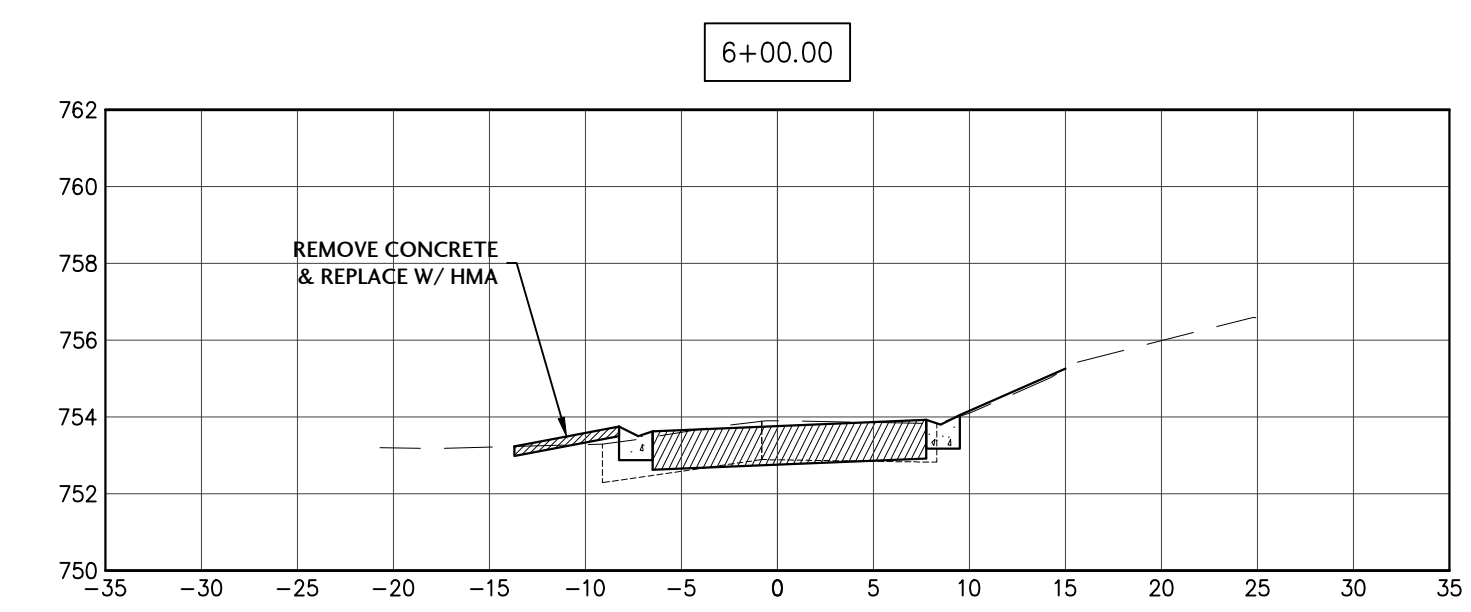
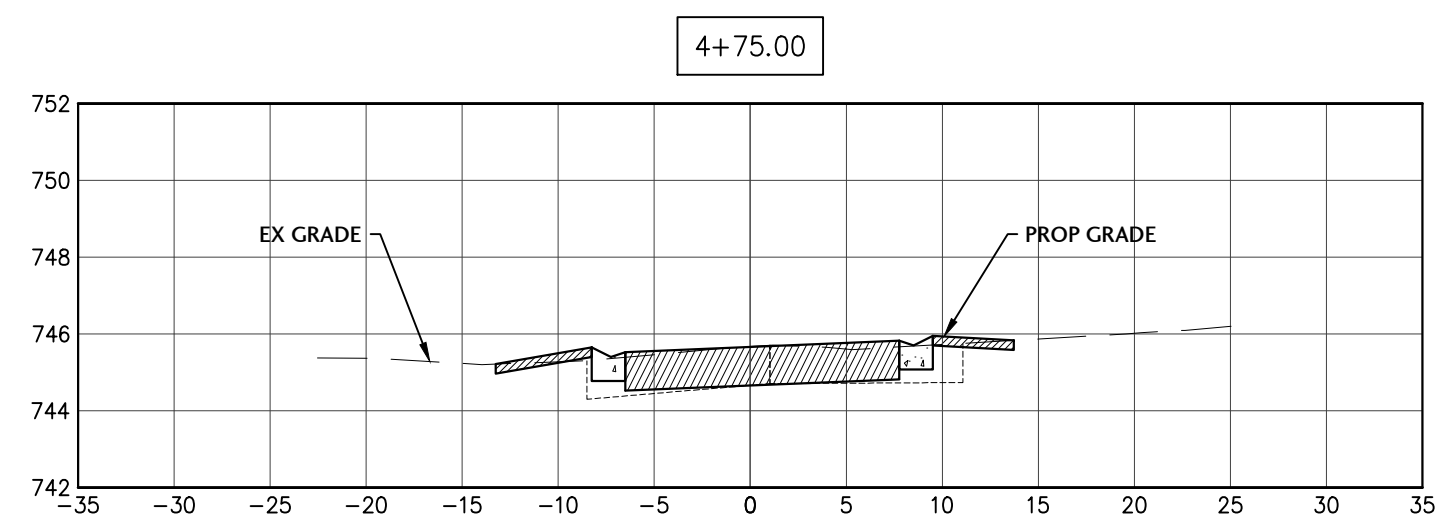
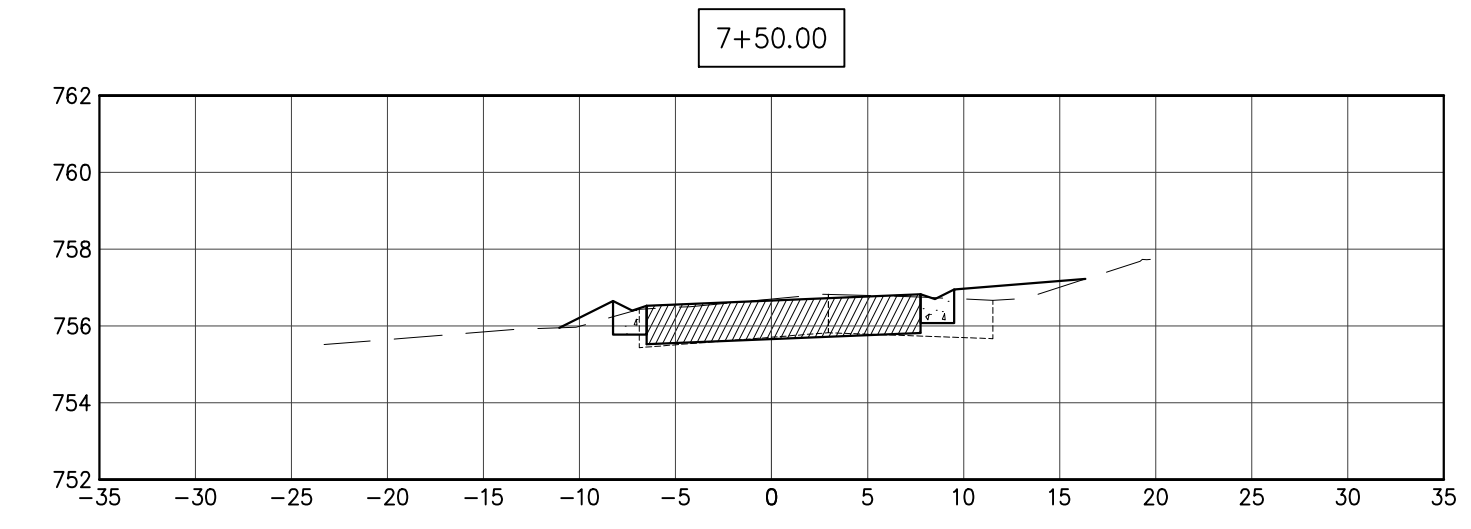
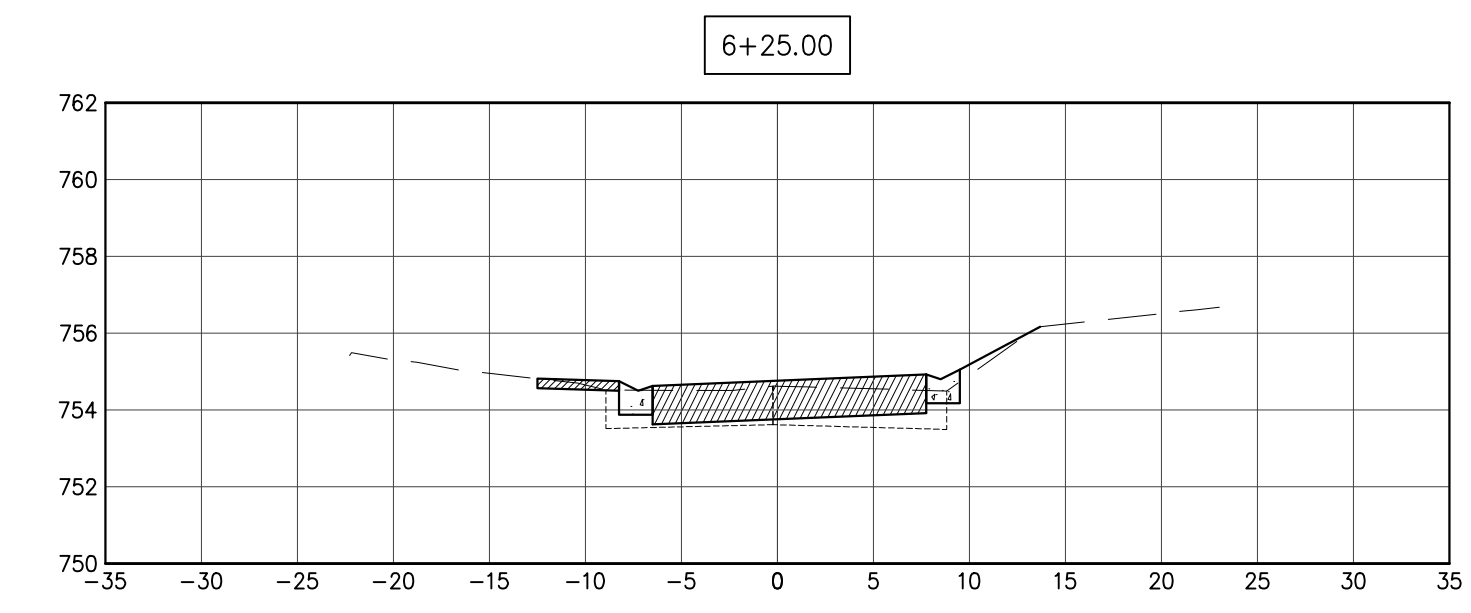
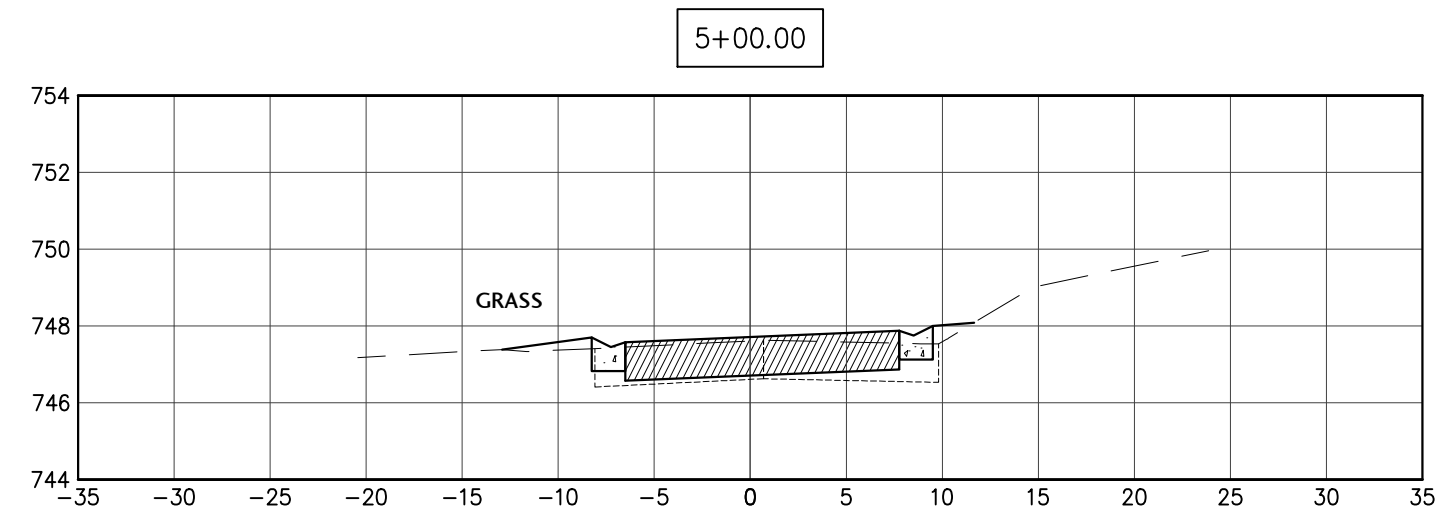
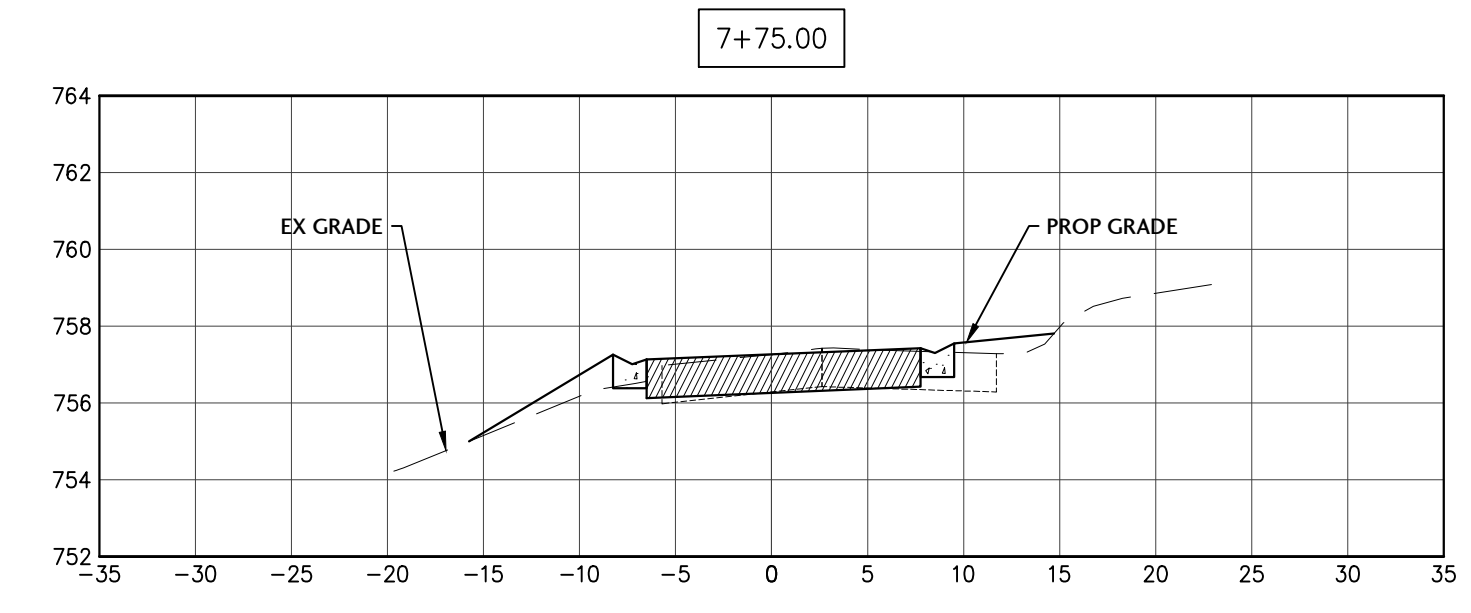
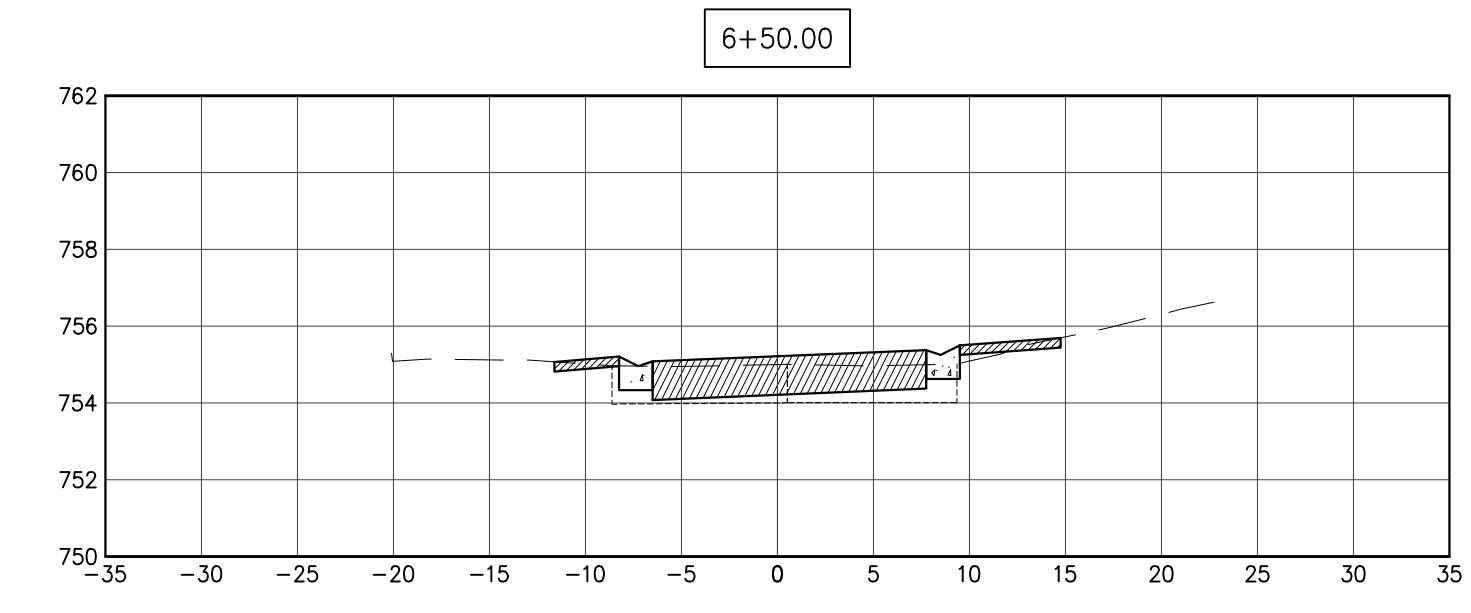
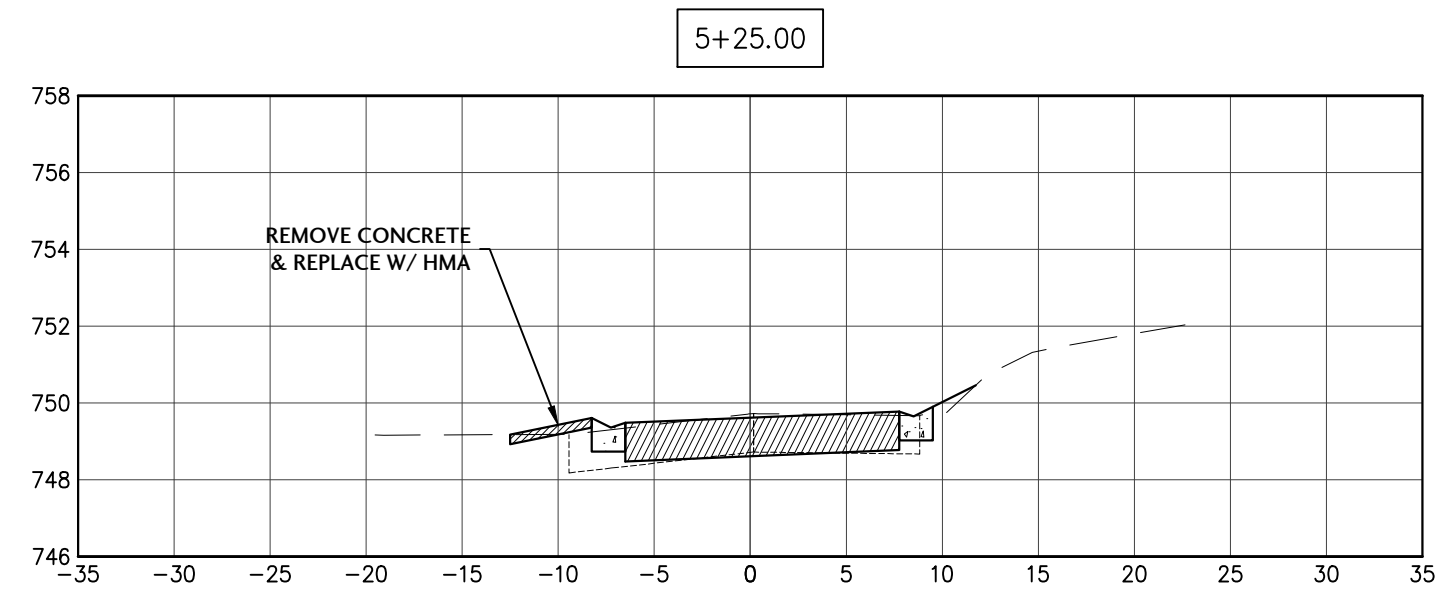
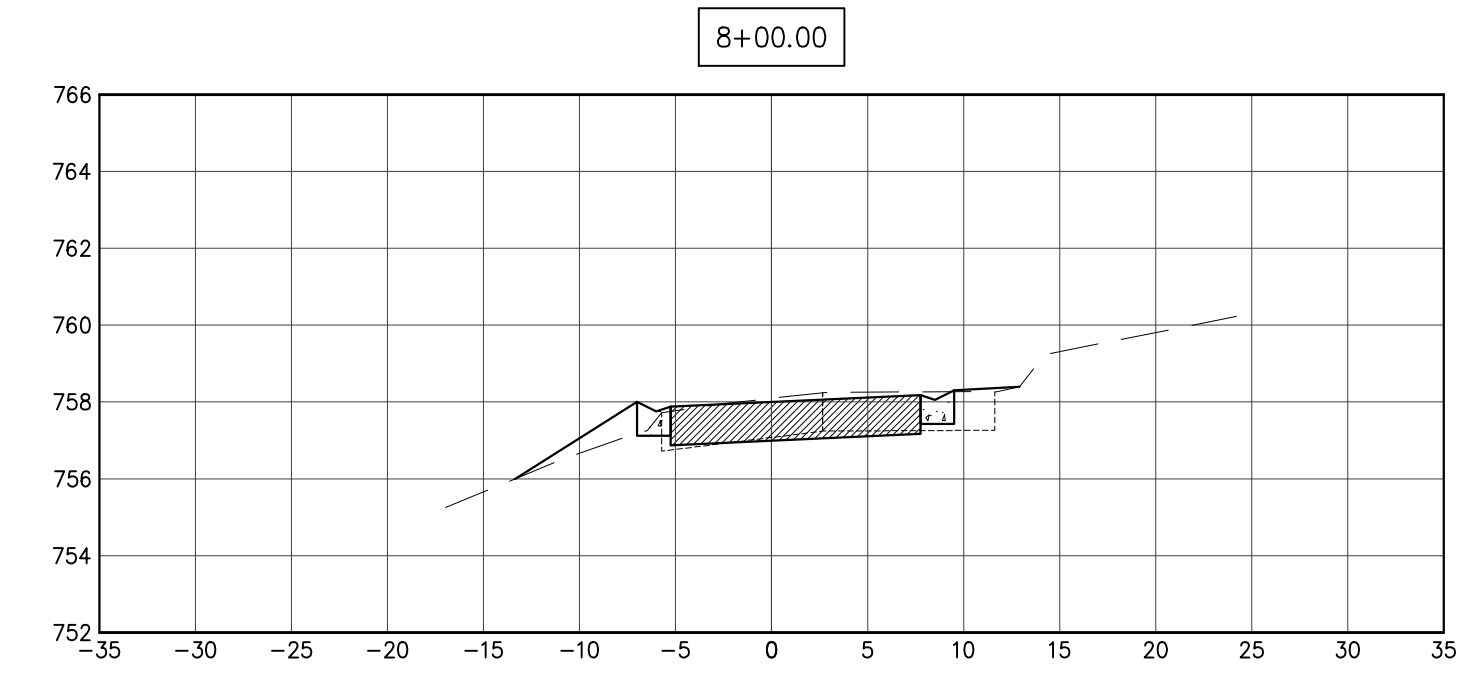
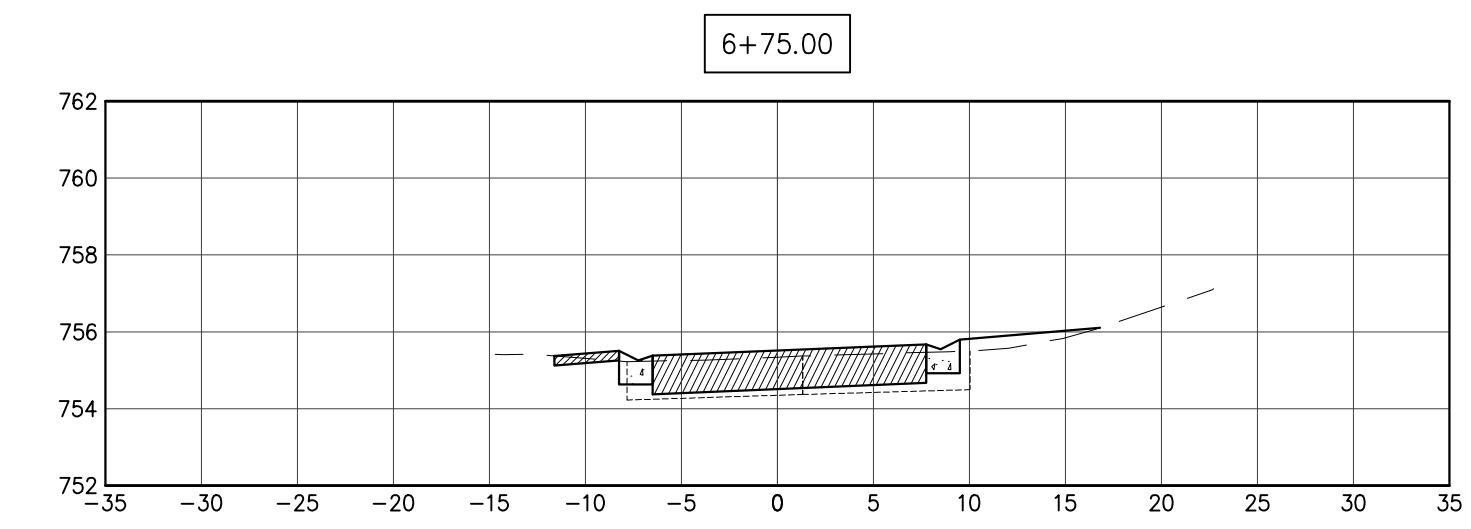
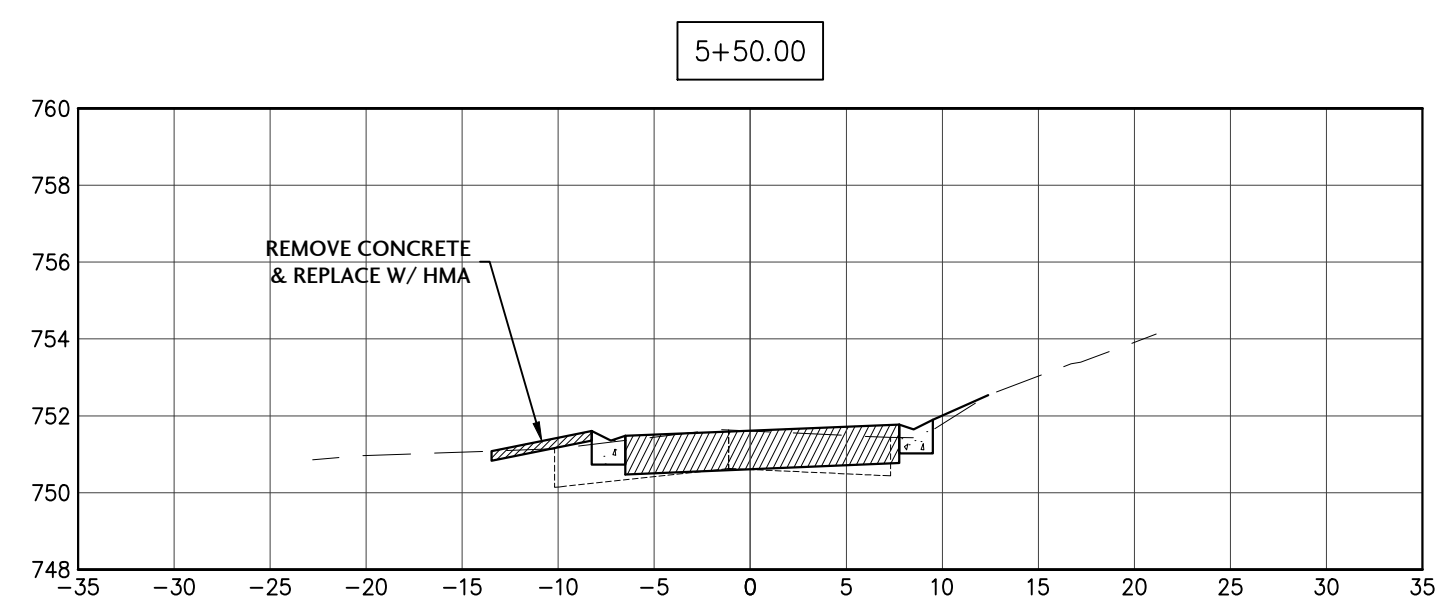
NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER
NTRD-21020-3

SHEET TITLE  
**CROSS SECTIONS  
WILDWOOD DRIVE  
STA 4+50 - 8+00**

SHEET NUMBER

**C2.5**



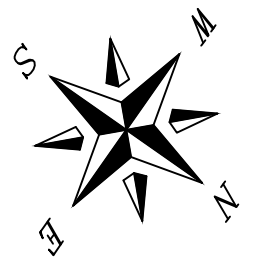


J. CONDON & ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 5415 BUSINESS PARKWAY  
 RINGWOOD, ILLINOIS 60072  
 815.728.0068

IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
 ROAD DIST.**

NUNDA TOWNSHIP,  
 ILLINOIS



SCALE  
 1"=10' H 1"=5' V

ISSUE DATE  
 03/27/2024

PROJECT MANAGER  
 JEC

DESIGNER  
 LRT

QUALITY CONTROL  
 MAM

**PORTEN'S HICKORY  
 KNOLL  
 SUBDIVISIONS  
 DRAINAGE &  
 ROADWAY  
 IMPROVEMENTS  
 NUNDA TOWNSHIP,  
 ILLINOIS**

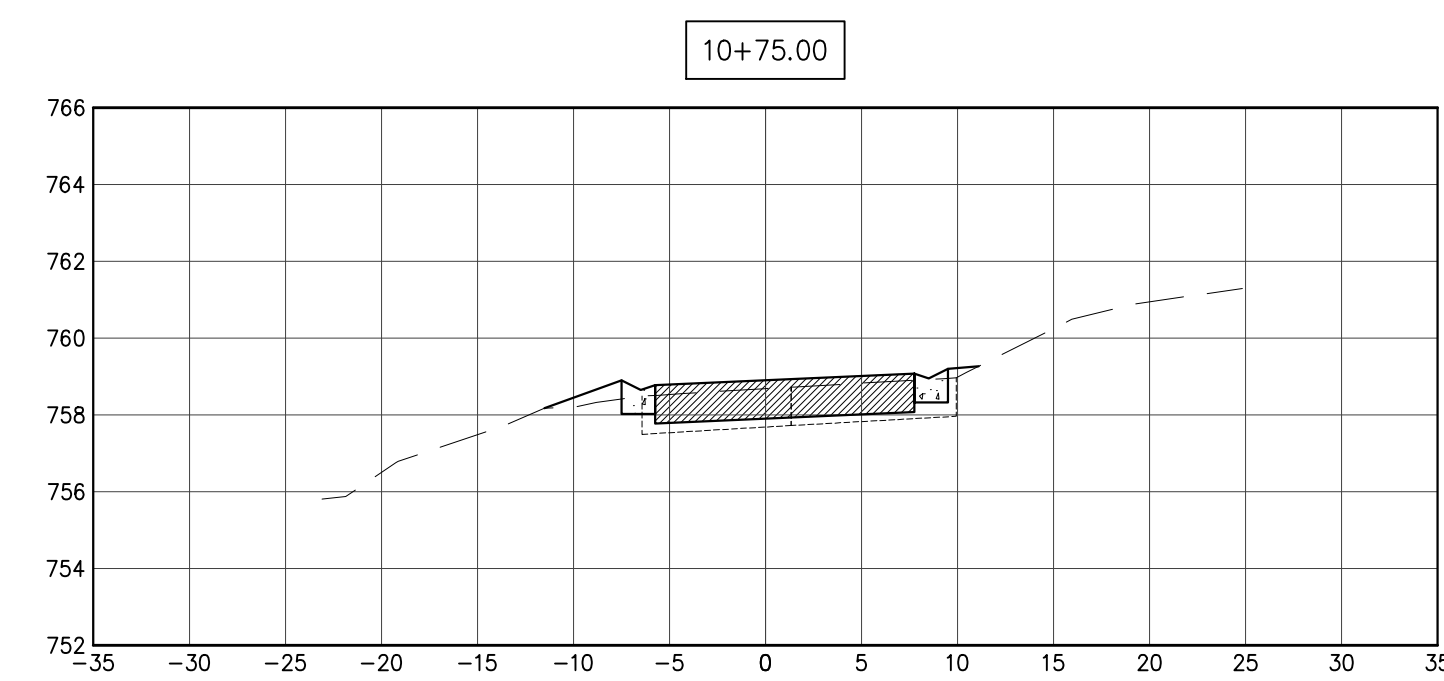
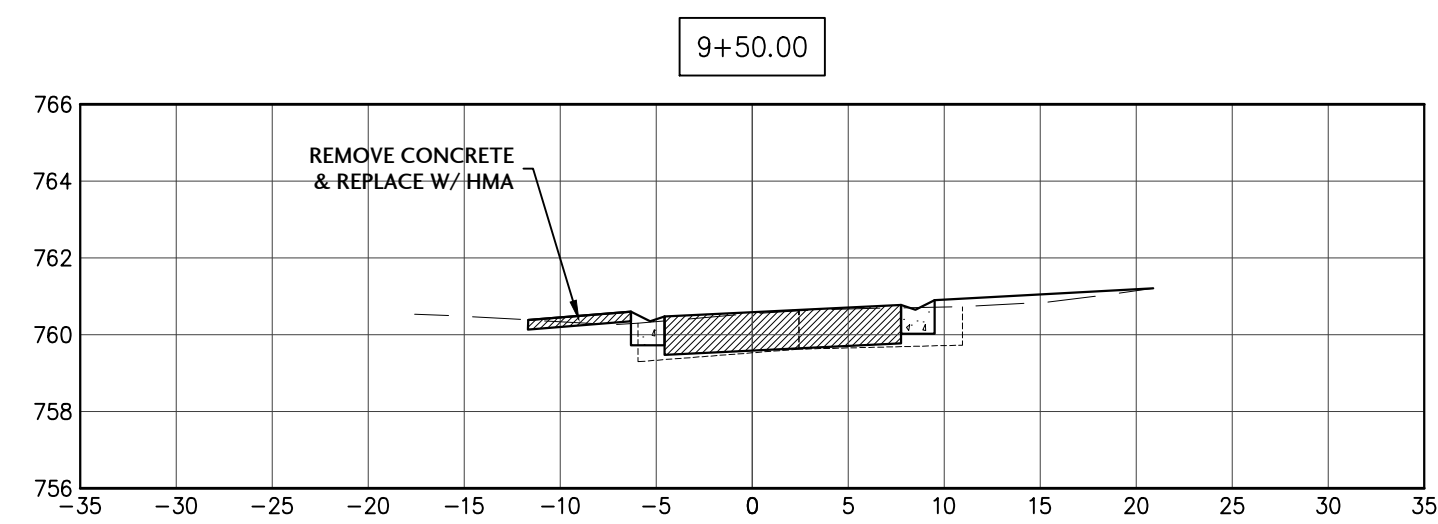
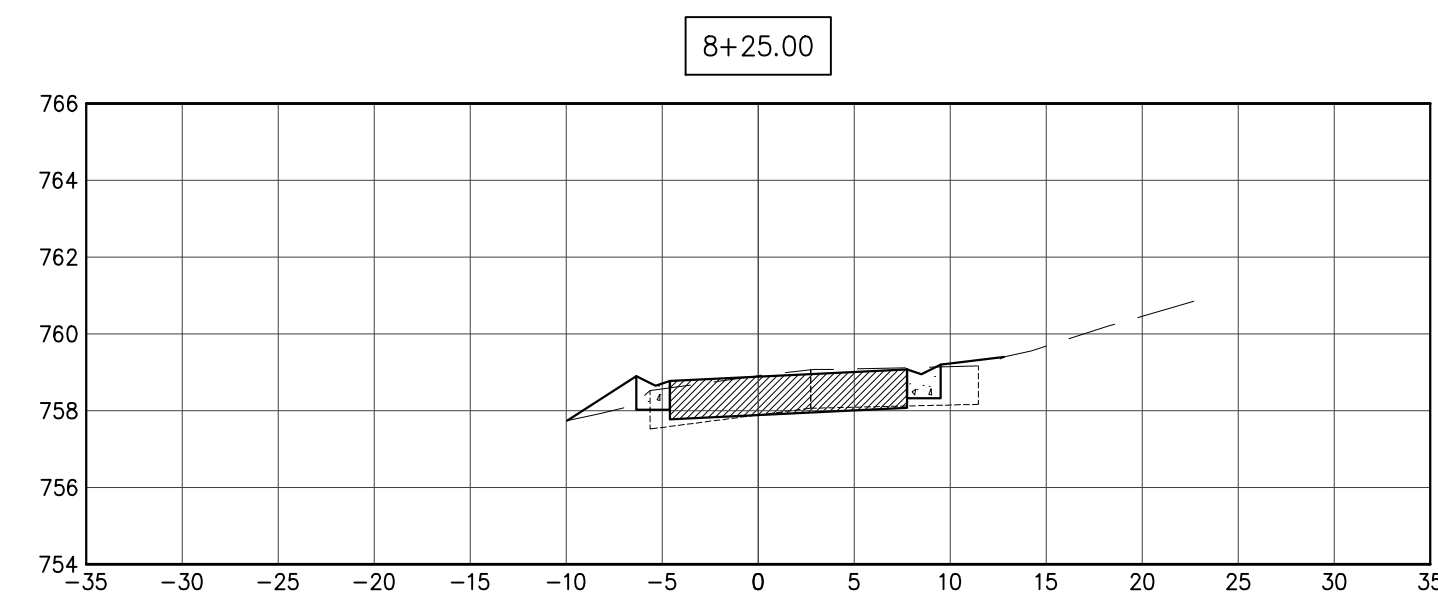
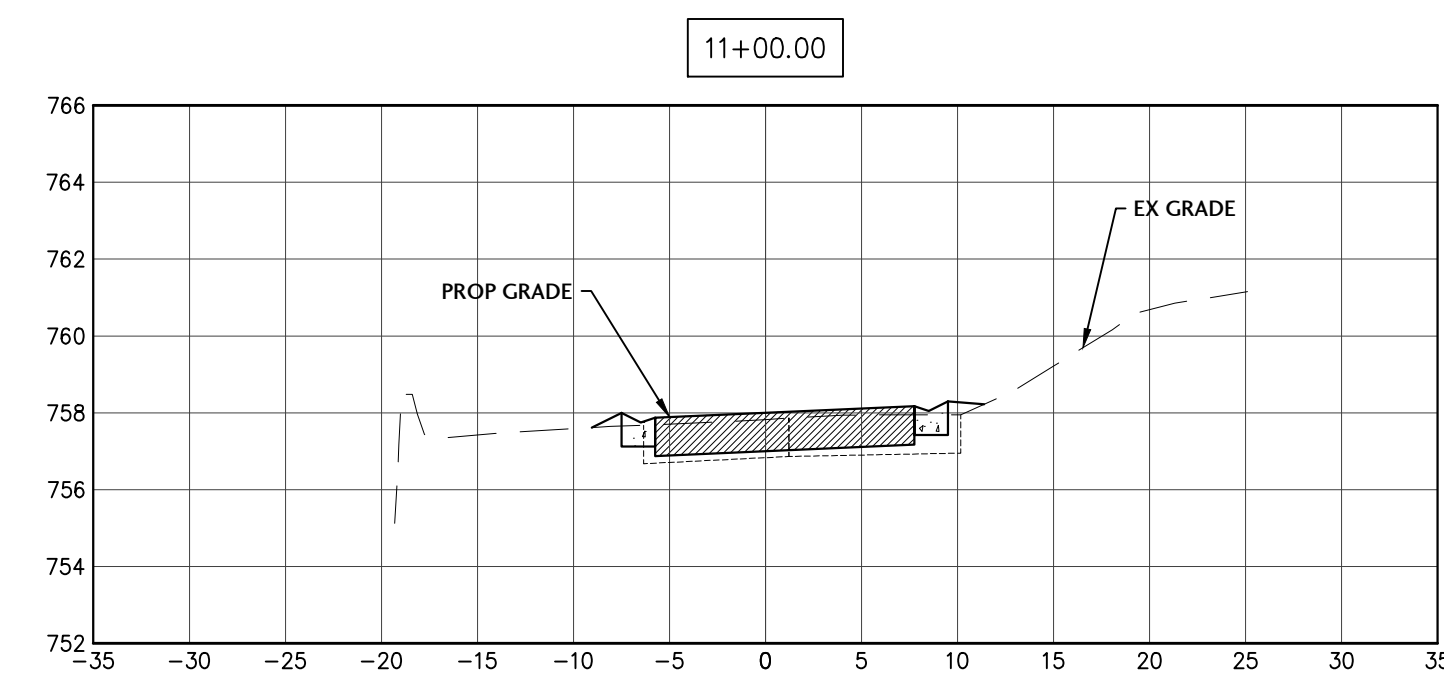
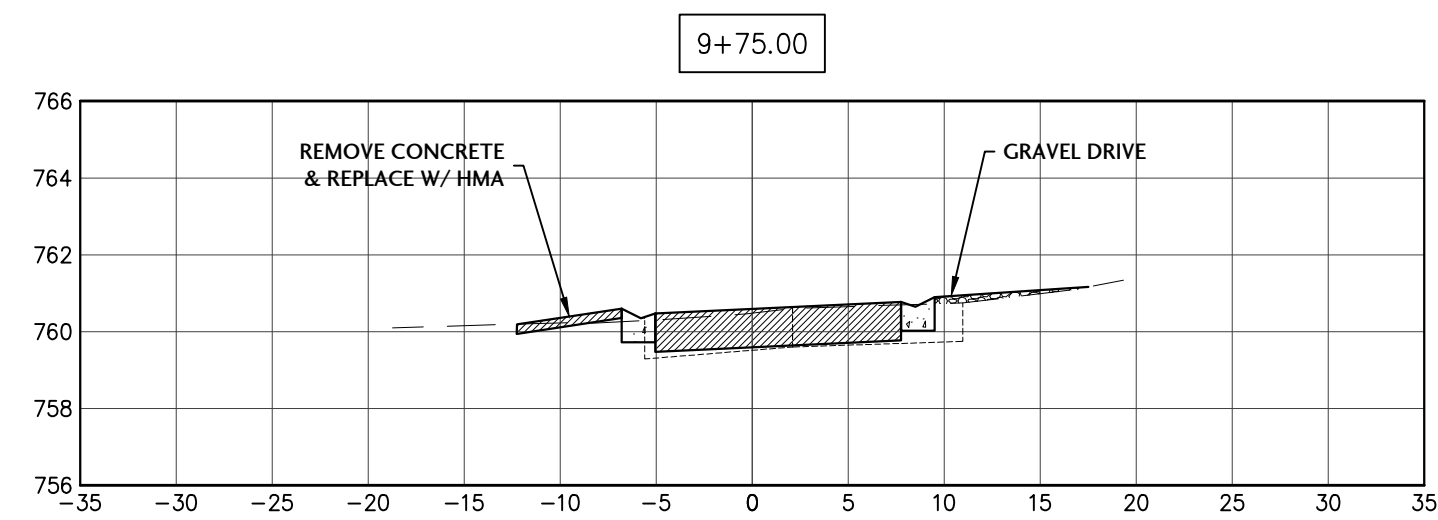
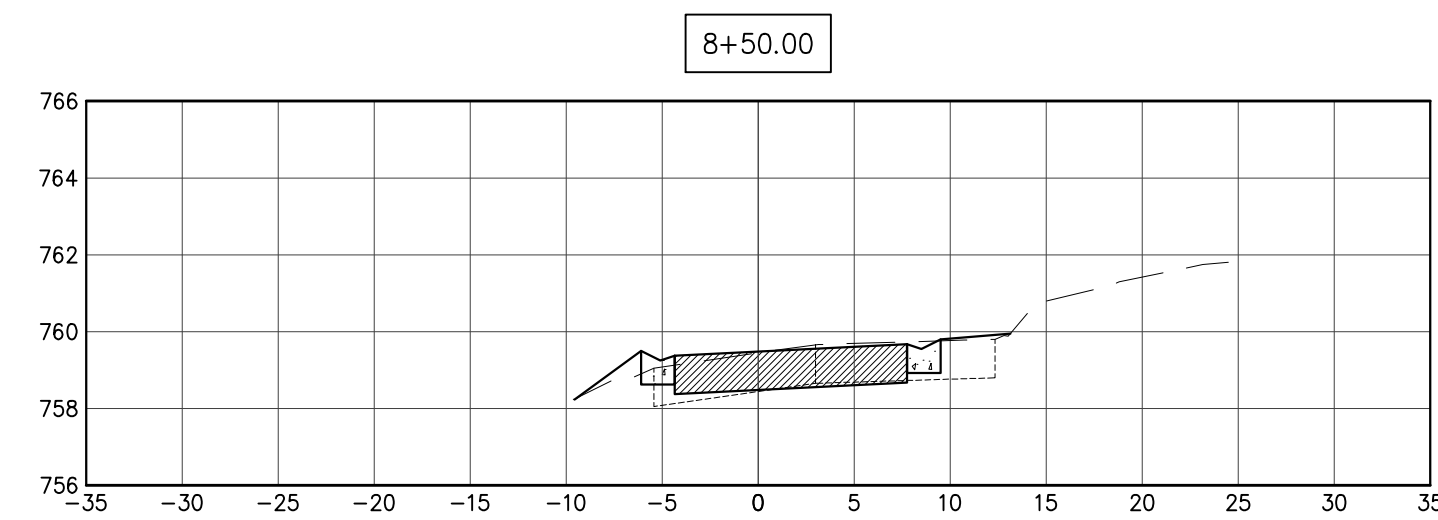
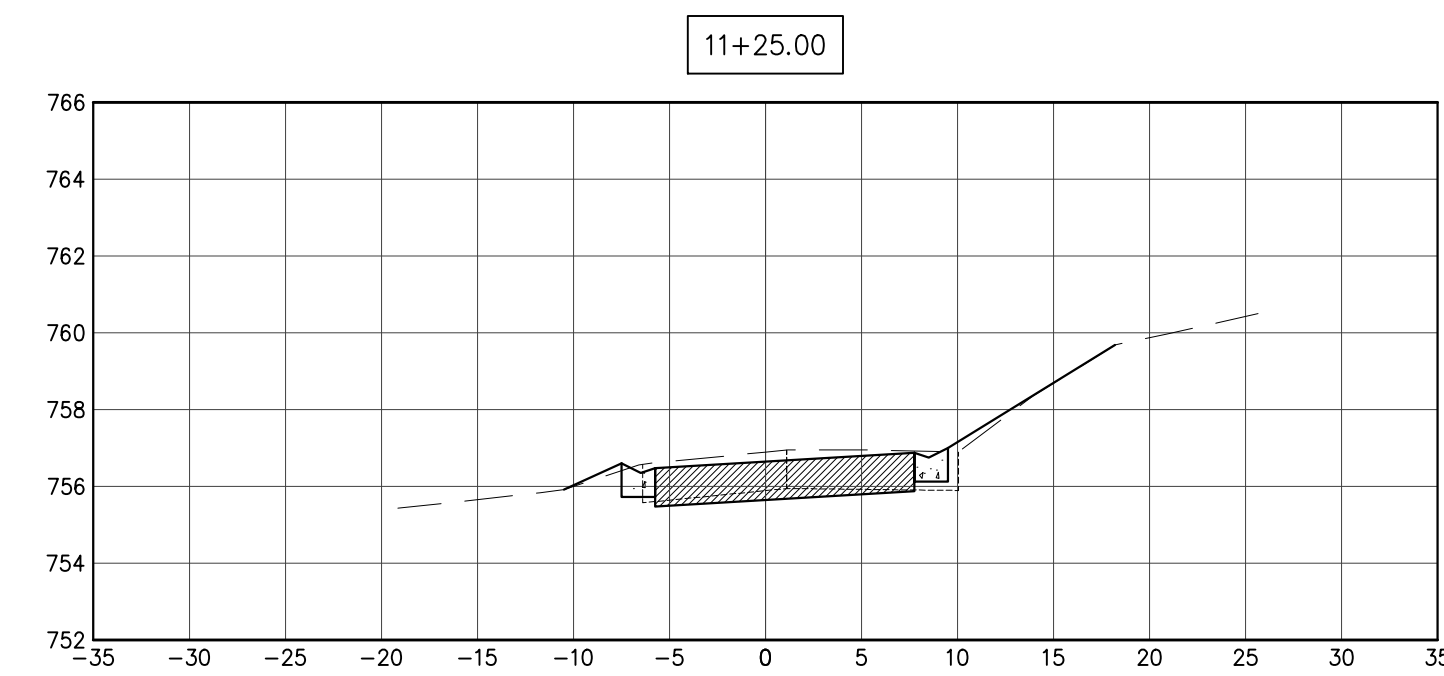
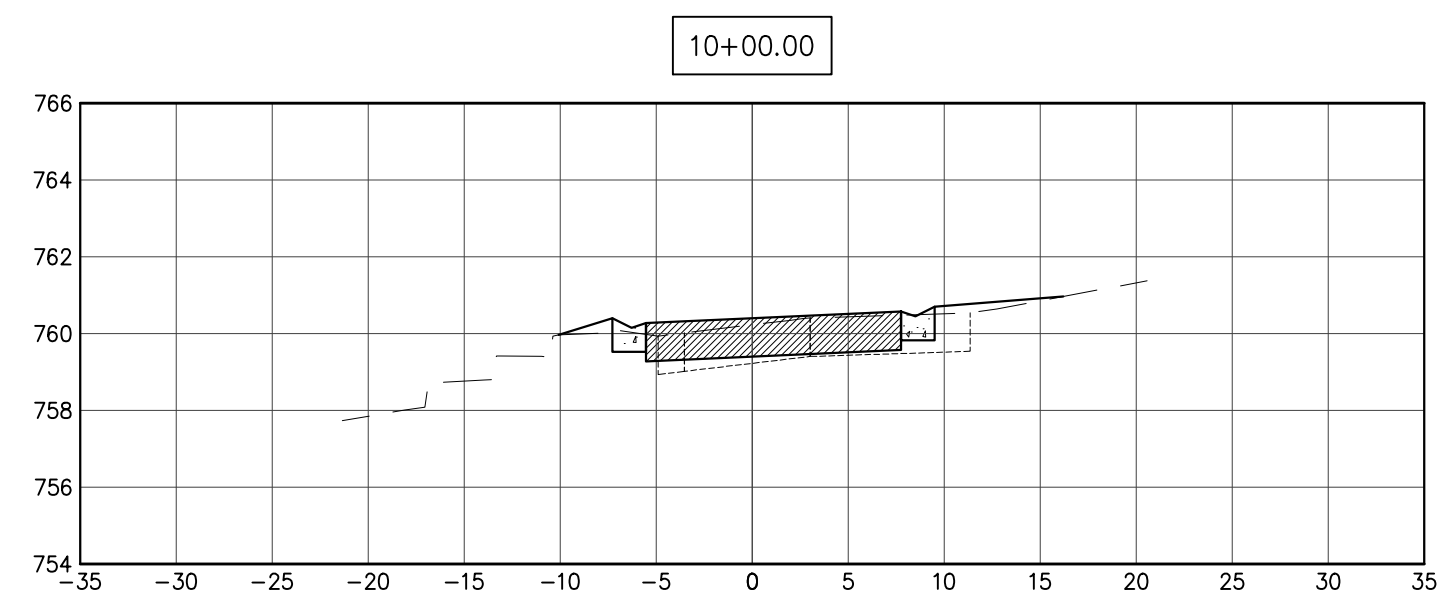
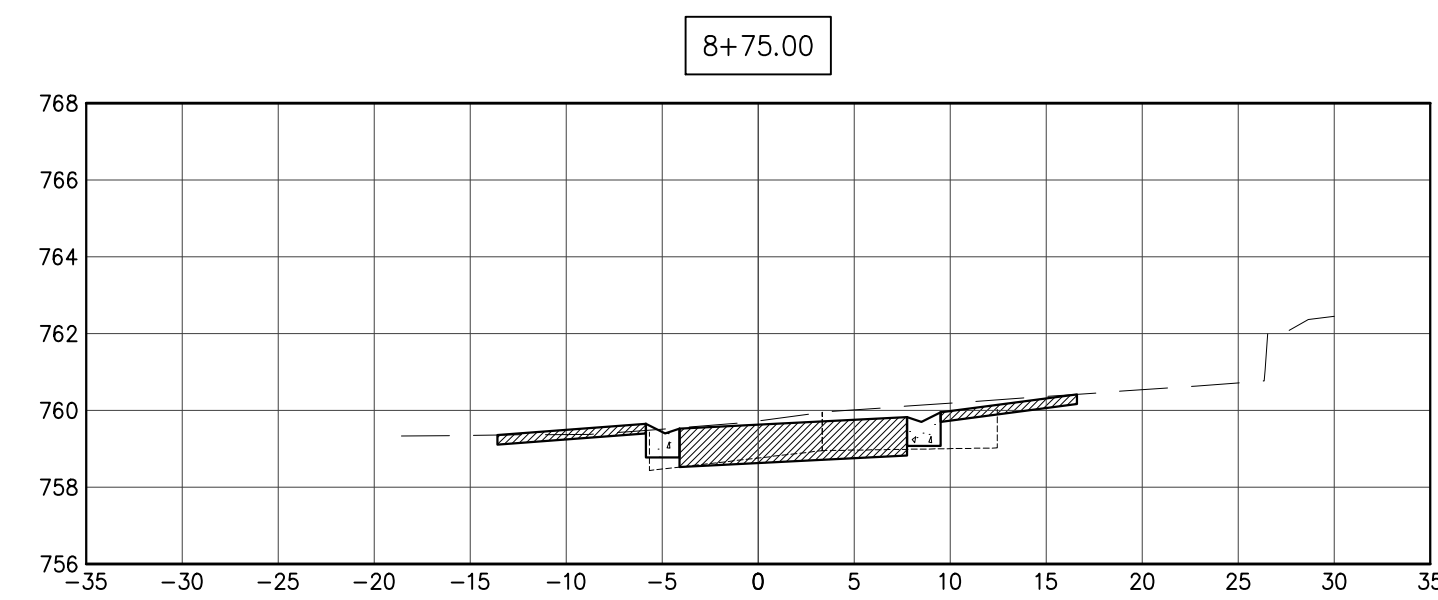
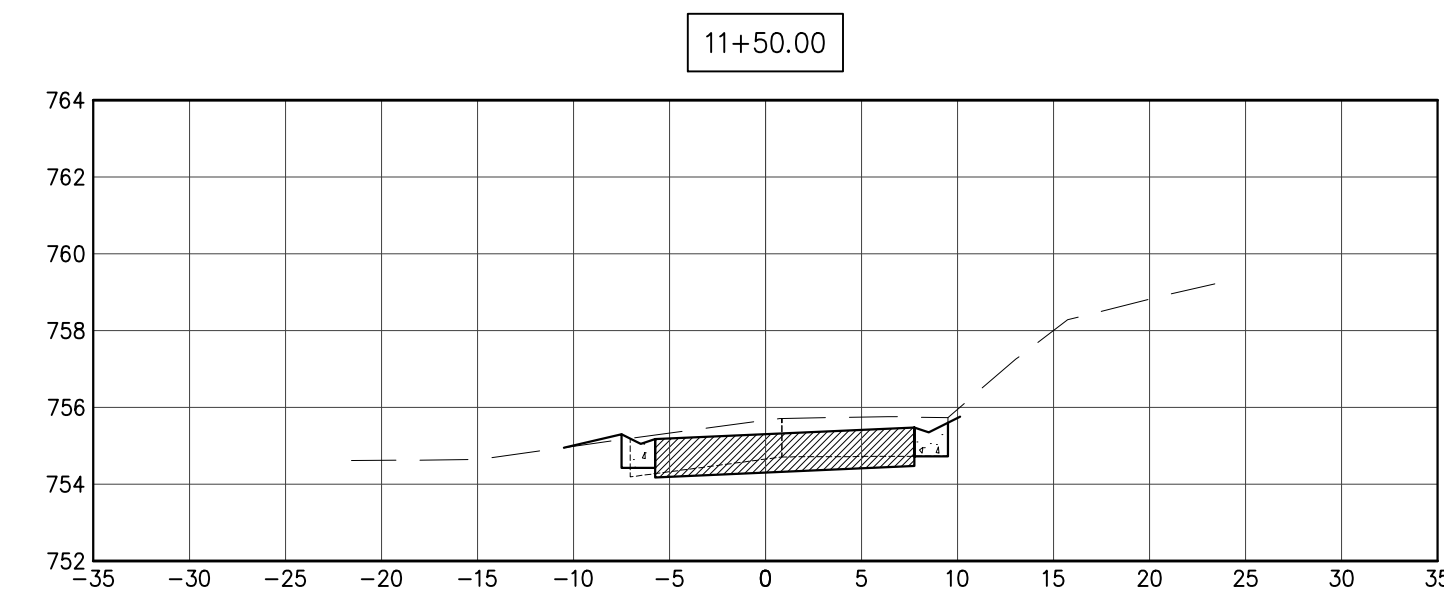
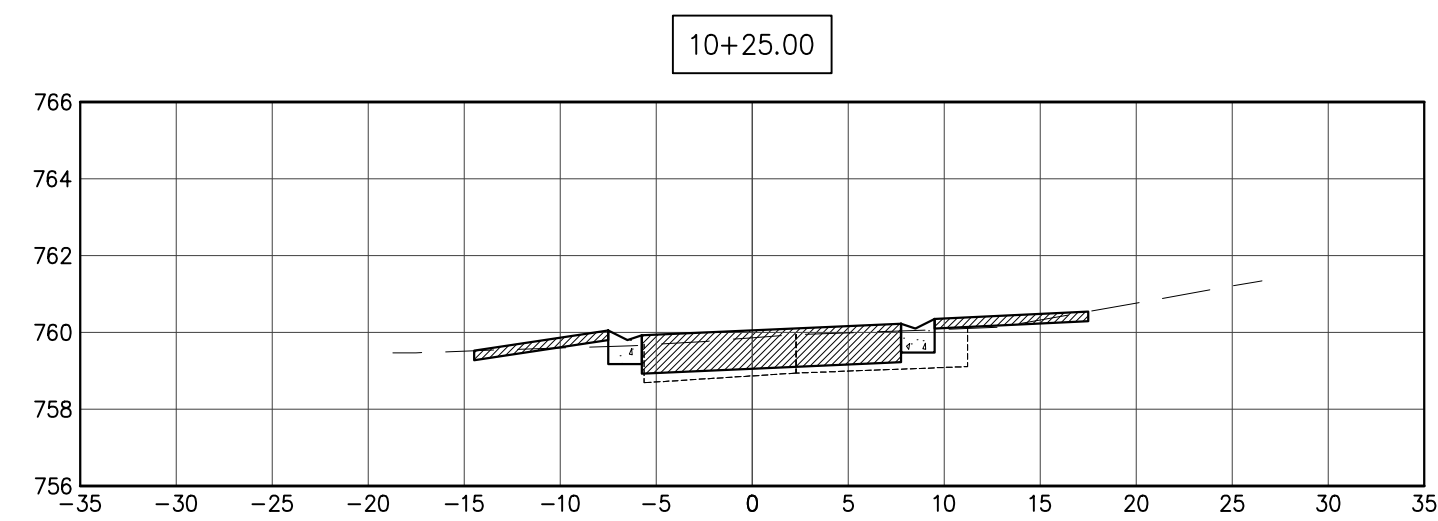
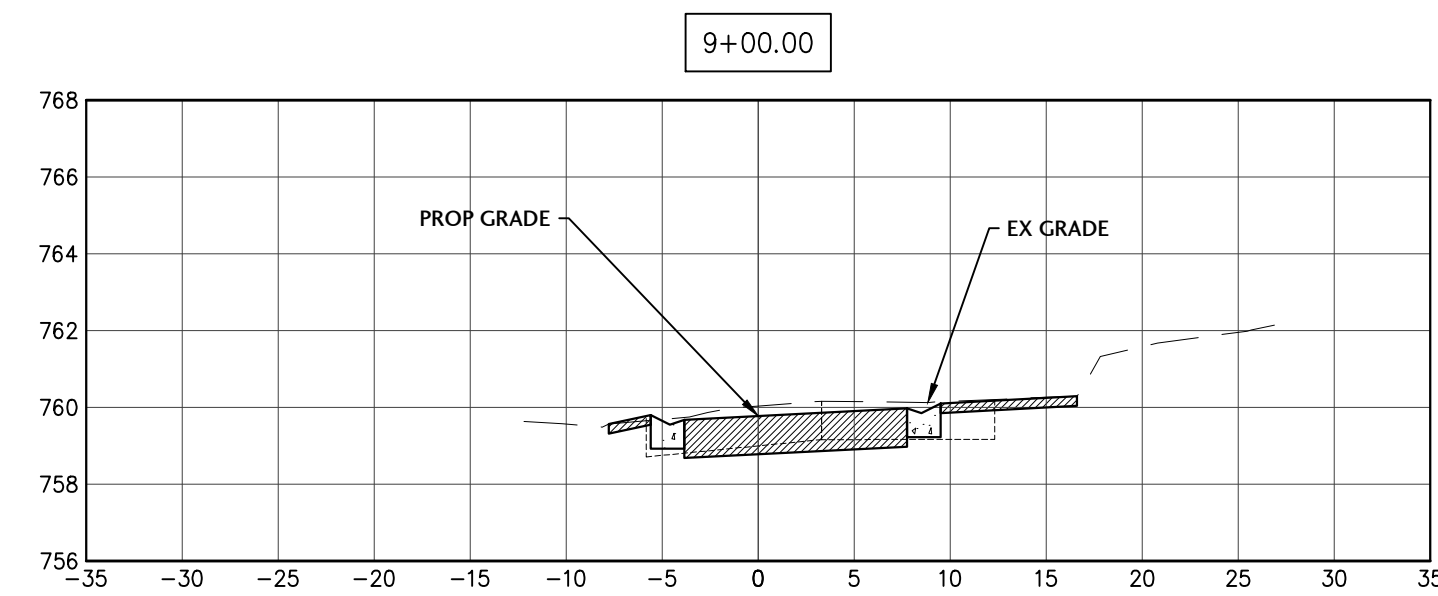
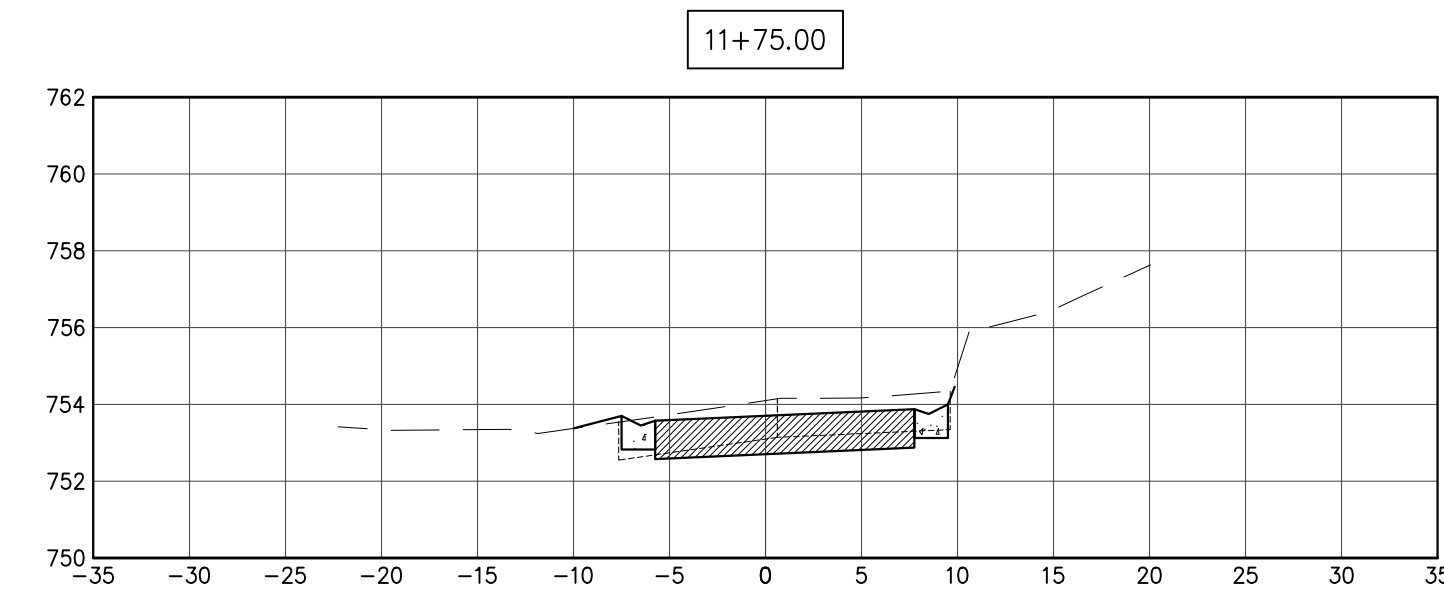
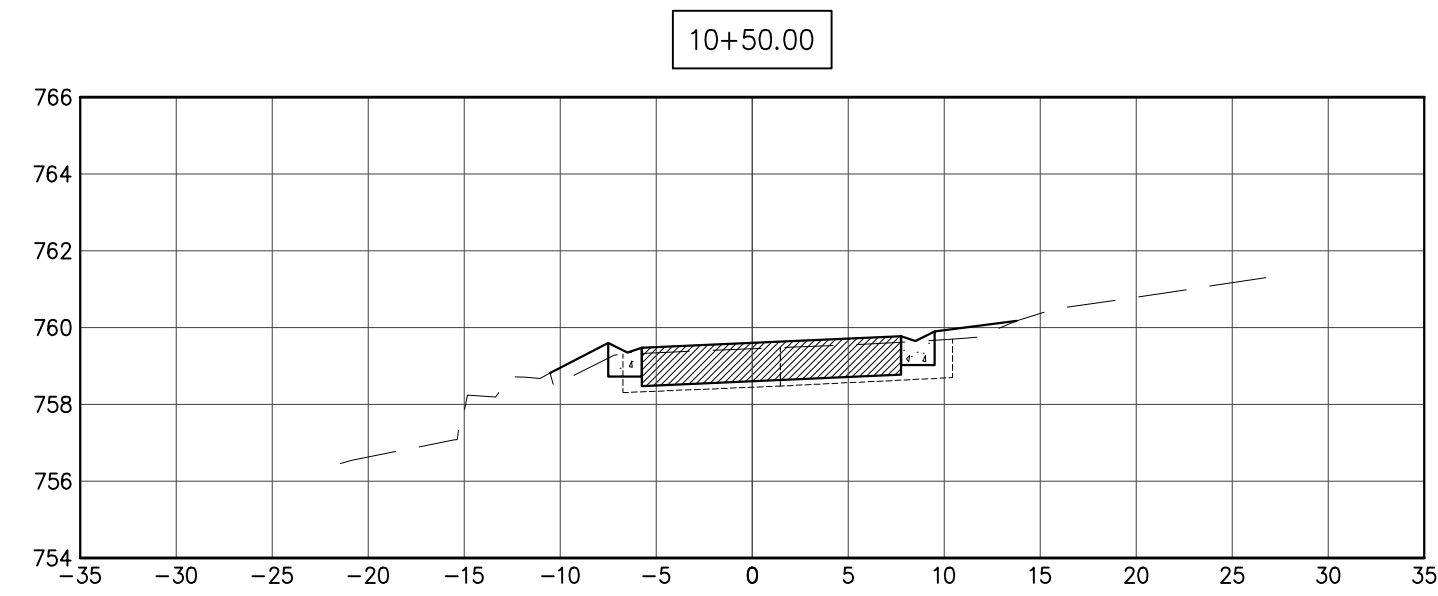
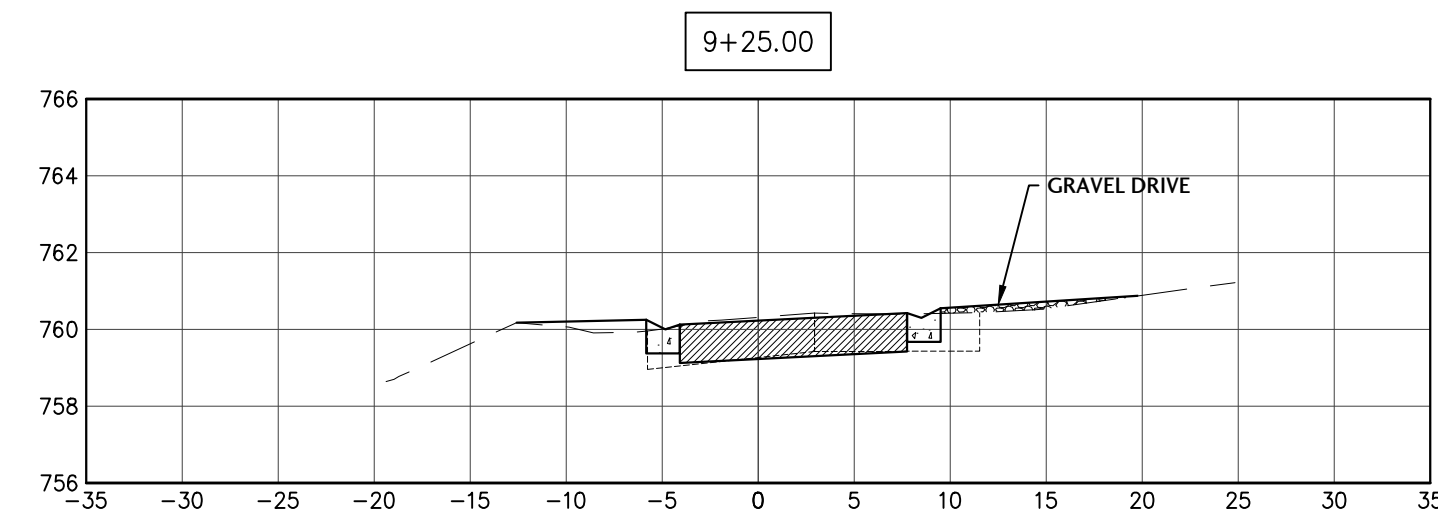
NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER  
 NTRD-21020-3

SHEET TITLE  
**CROSS SECTIONS  
 WILDWOOD DRIVE  
 STA 8+25 - 11+75**

SHEET NUMBER

**C2.6**

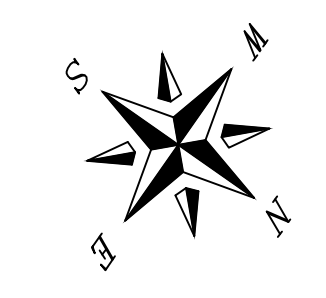




J. CONDON & ASSOCIATES, INC.  
CONSULTING ENGINEERS  
5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
815.728.0068  
IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
ROAD DIST.**

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
1"=10' H 1"=5' V

ISSUE DATE  
03/27/2024

PROJECT MANAGER  
JEC

DESIGNER  
LRT

QUALITY CONTROL  
MAM

**PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS**

NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

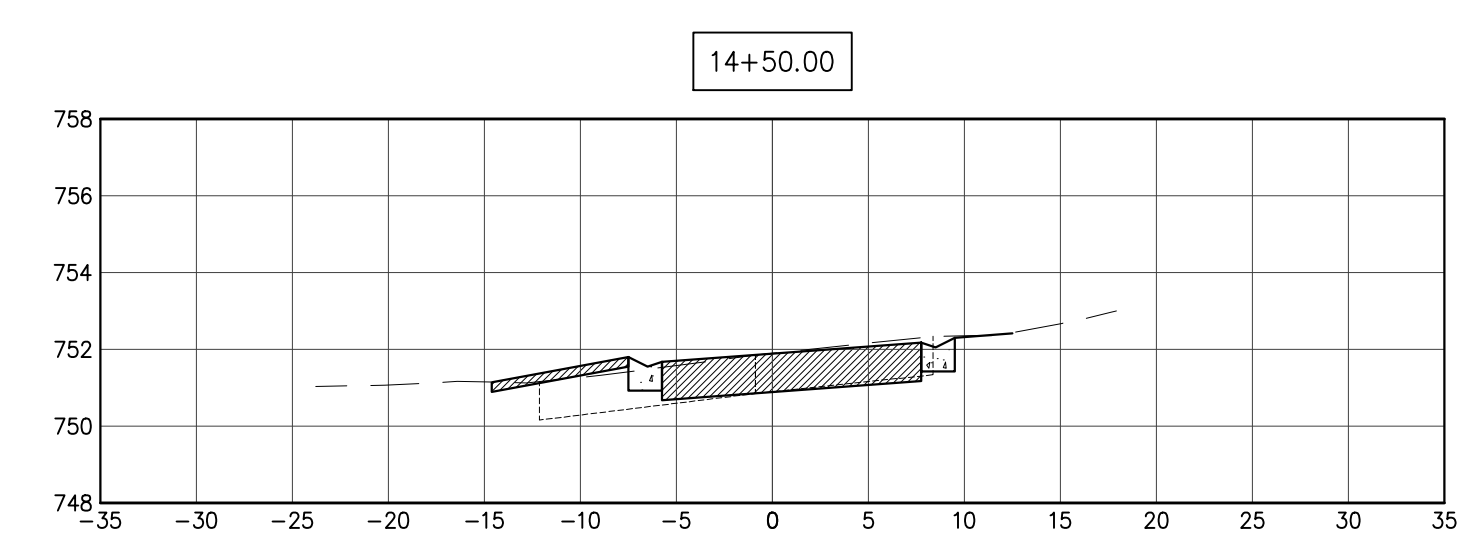
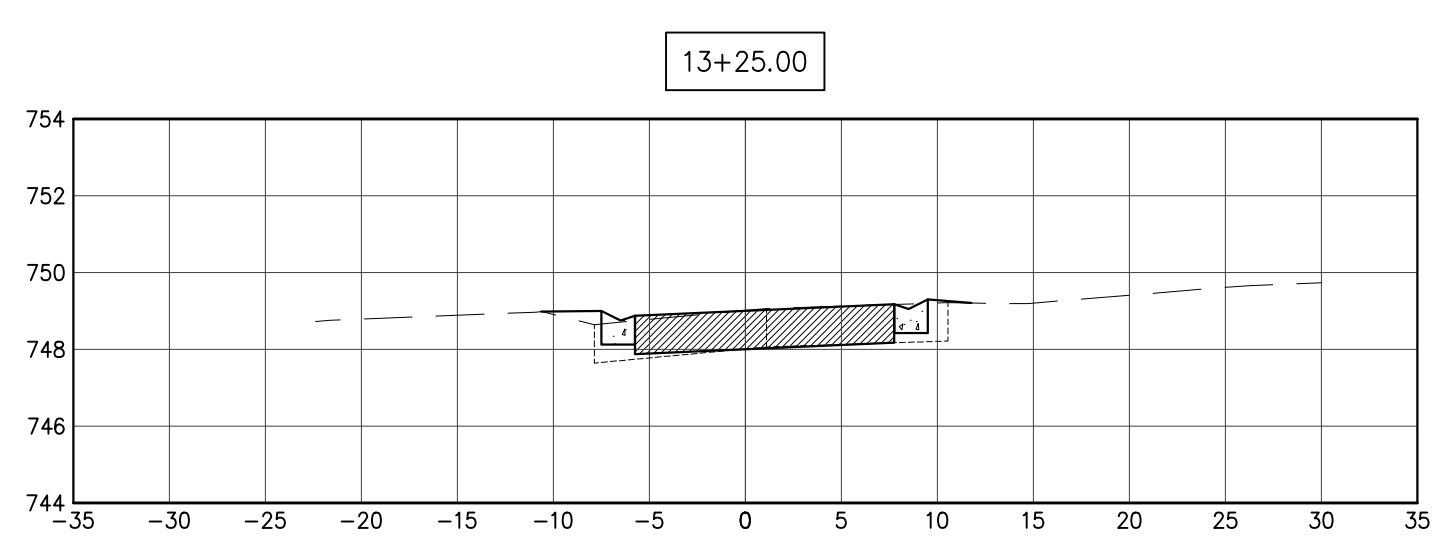
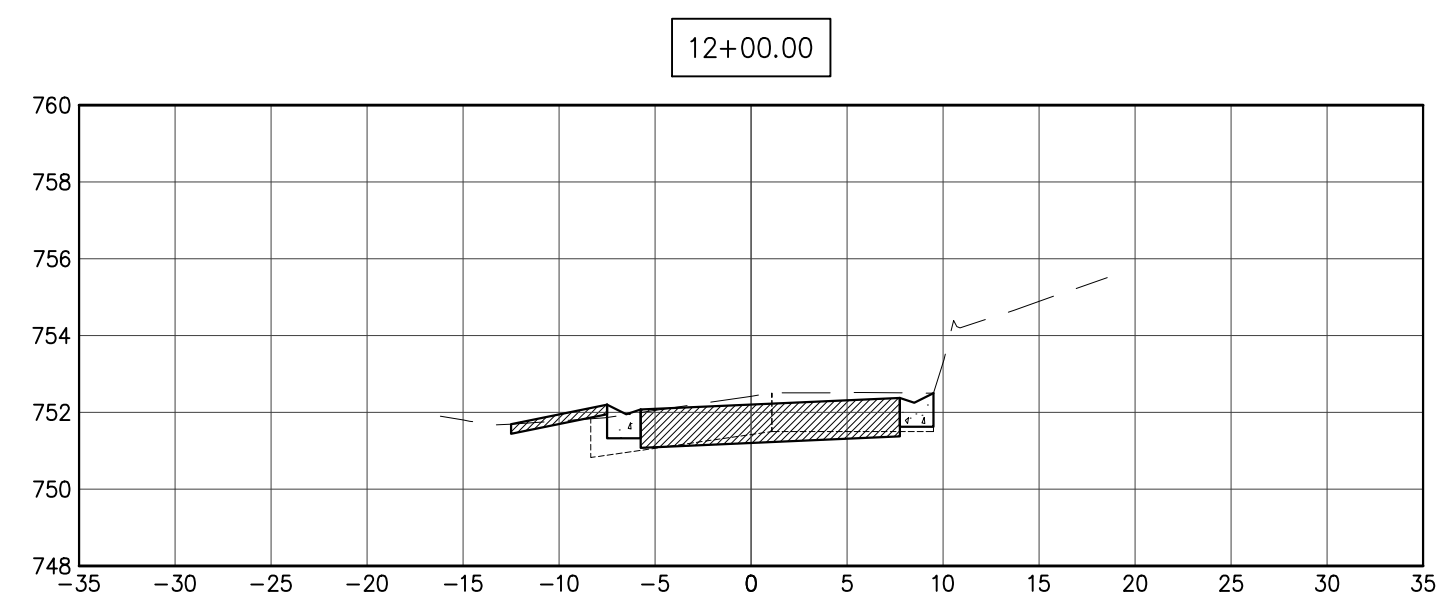
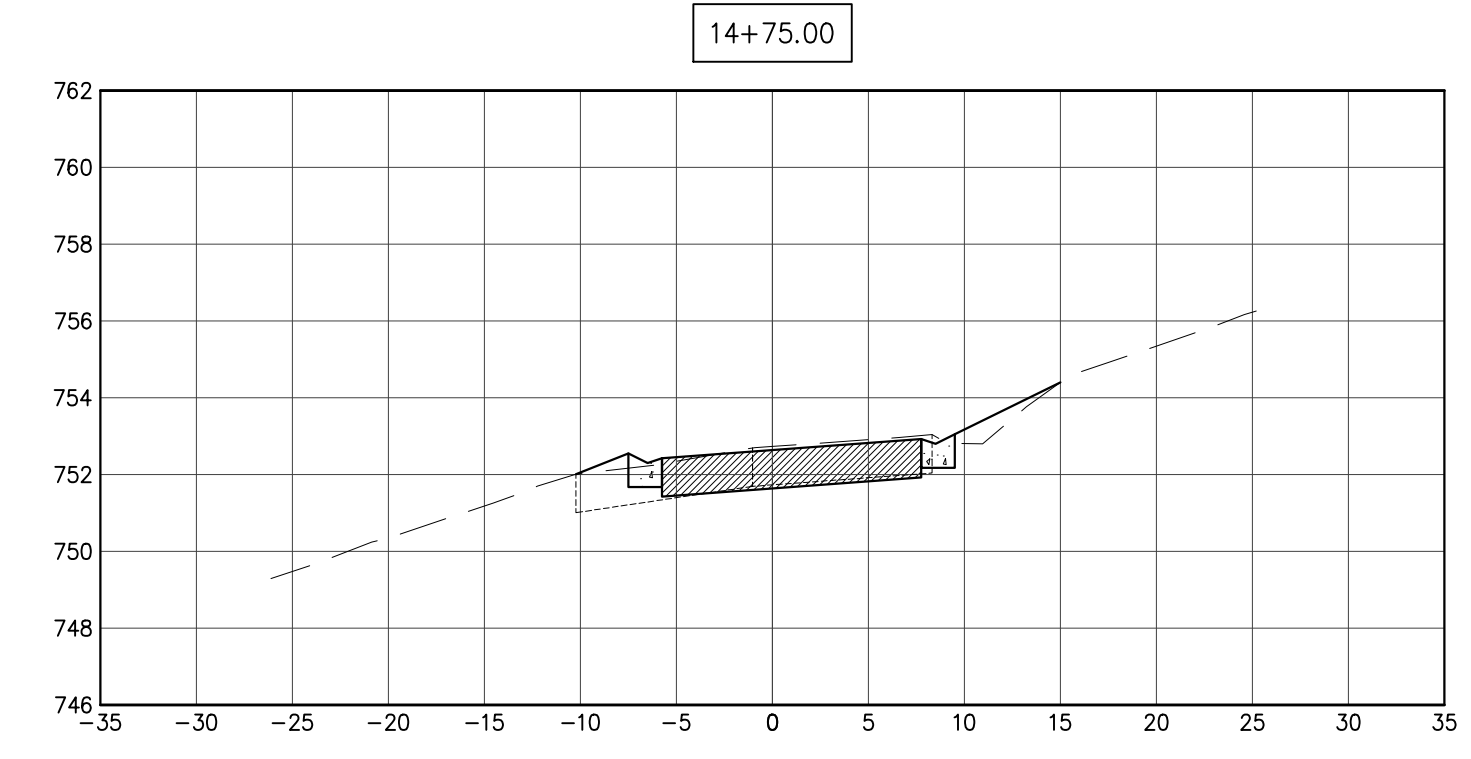
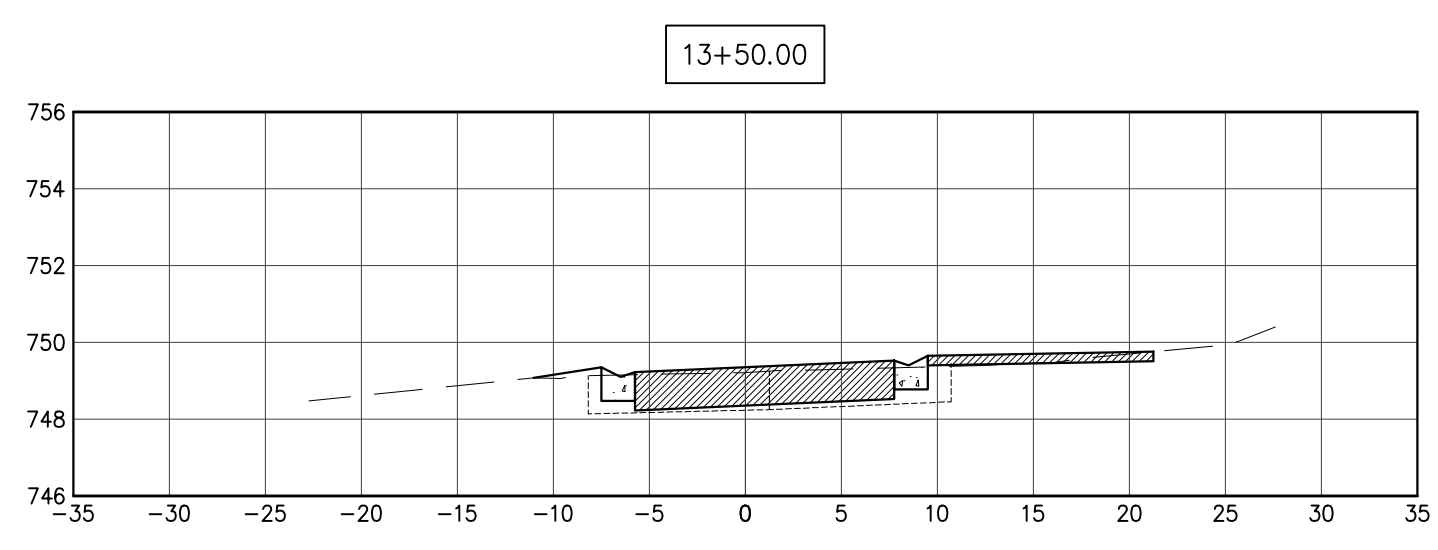
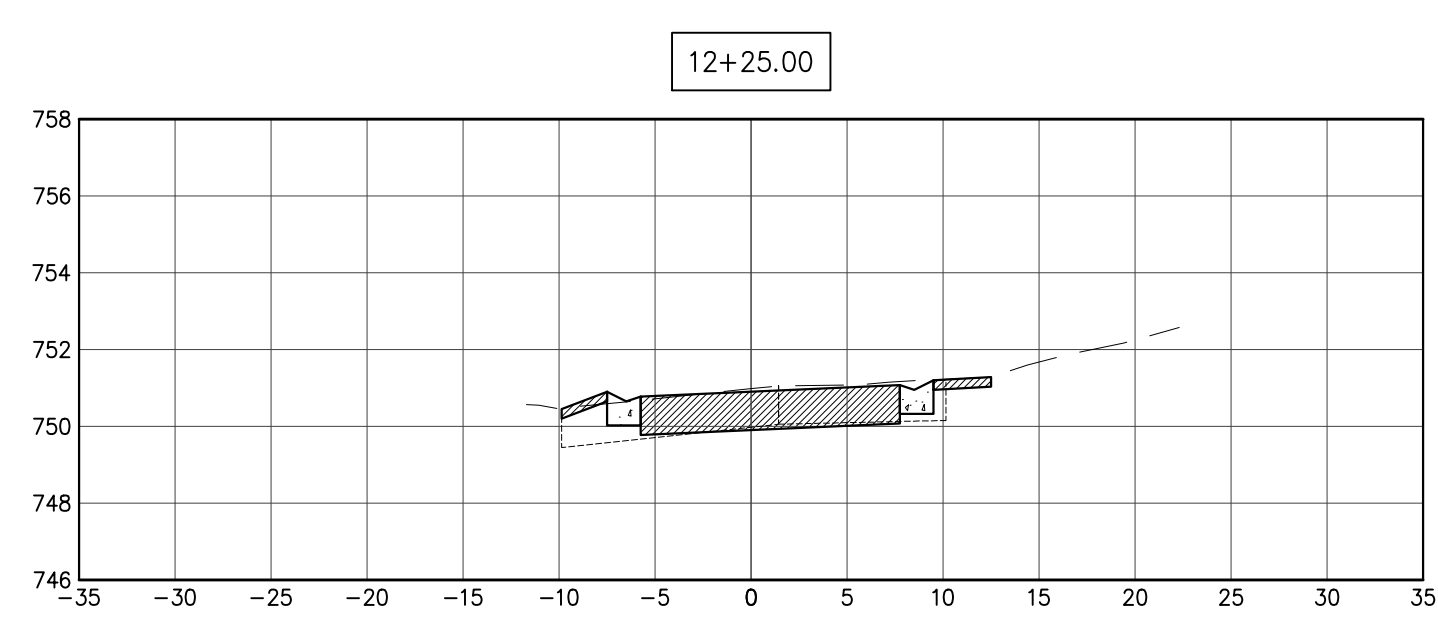
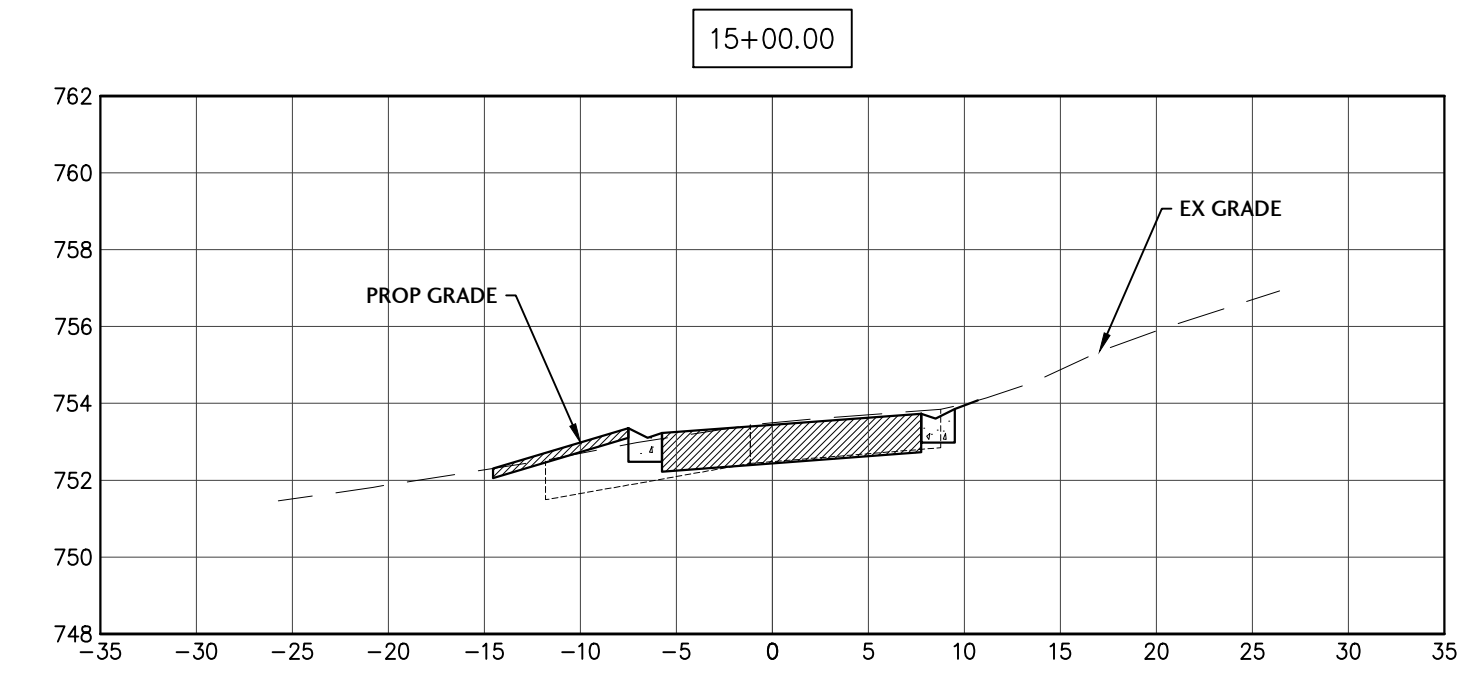
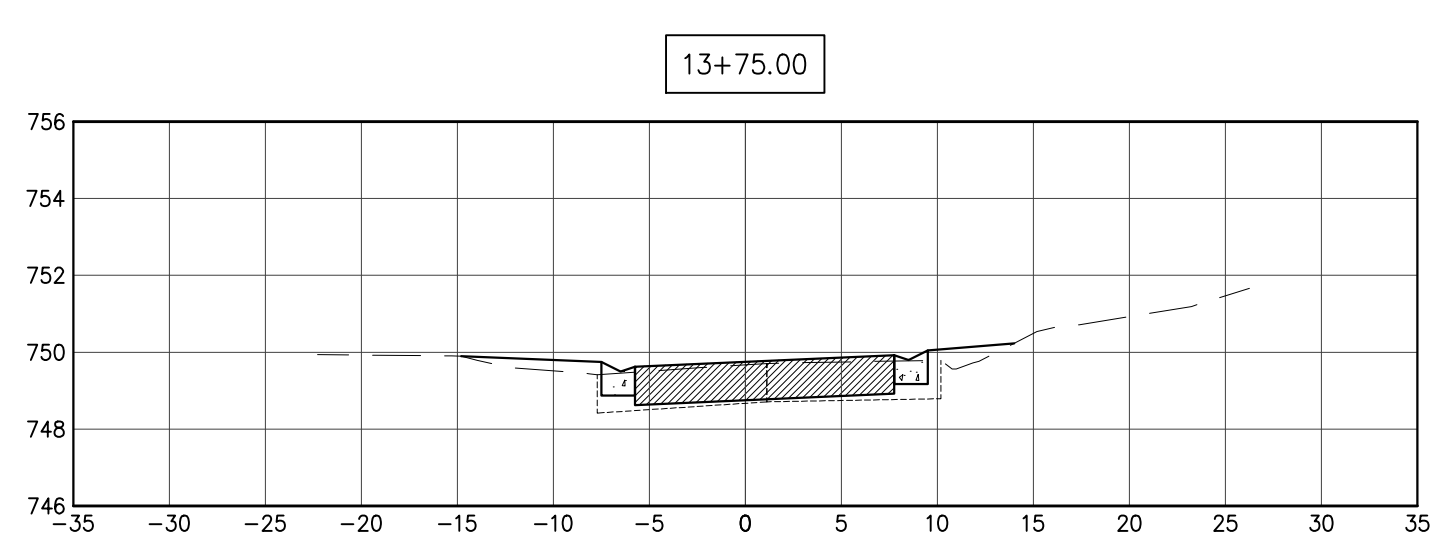
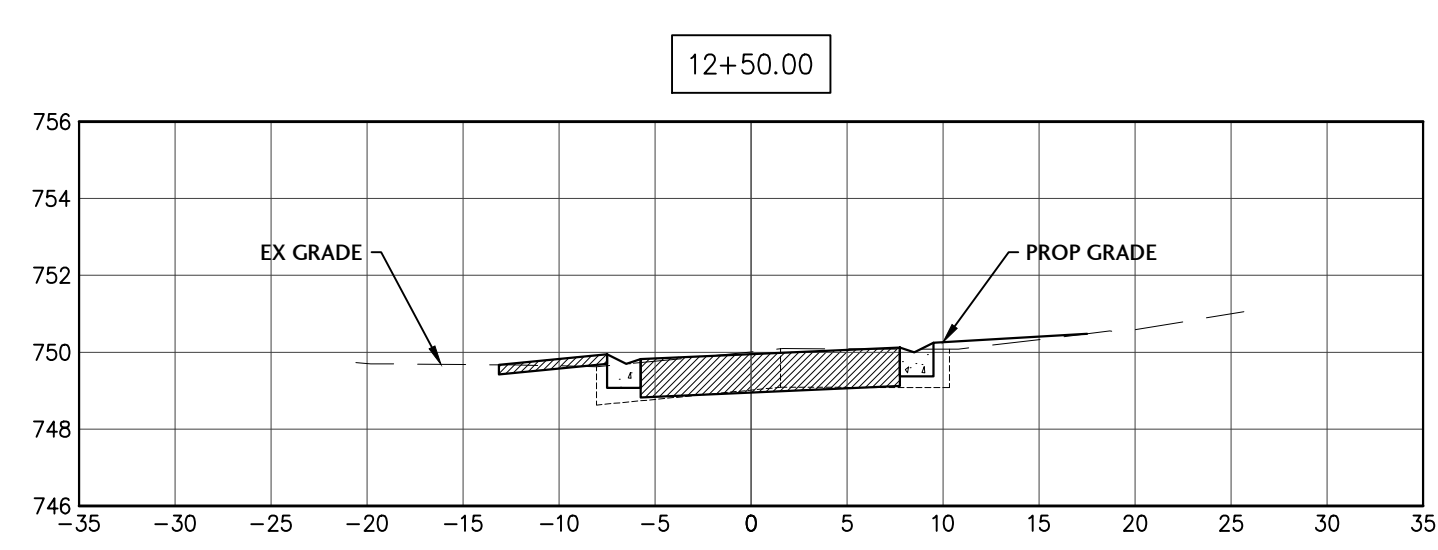
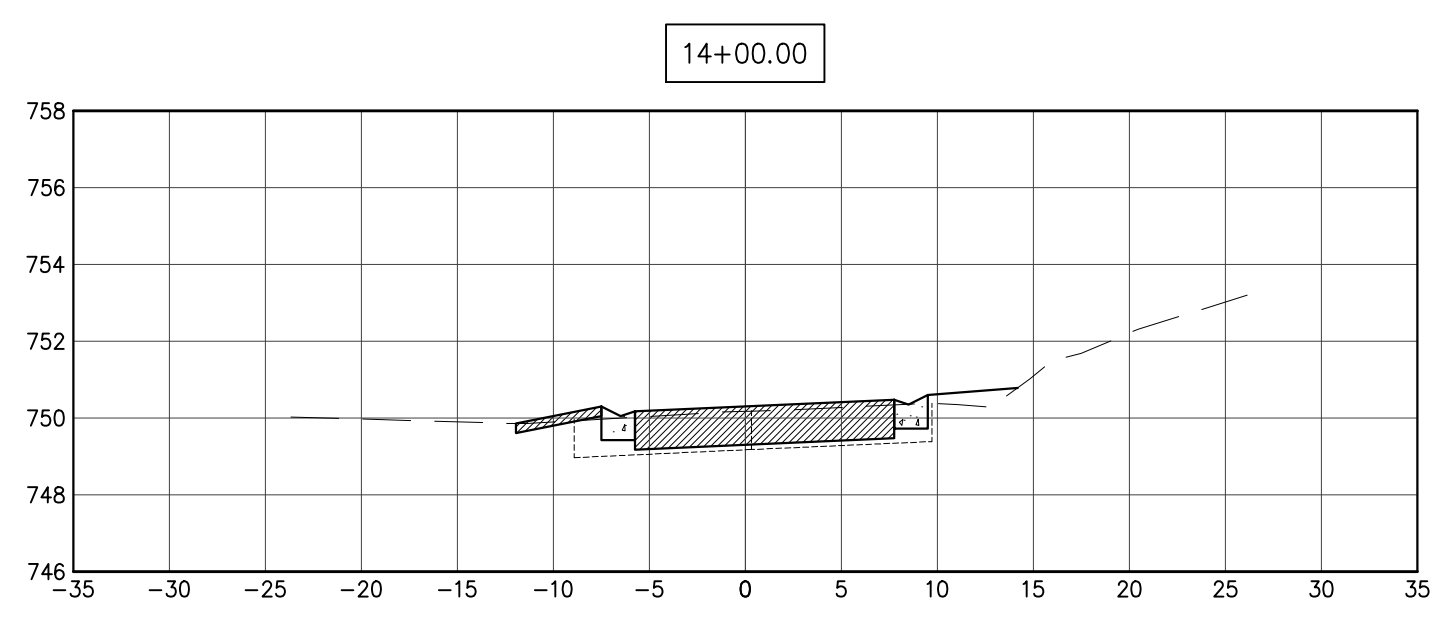
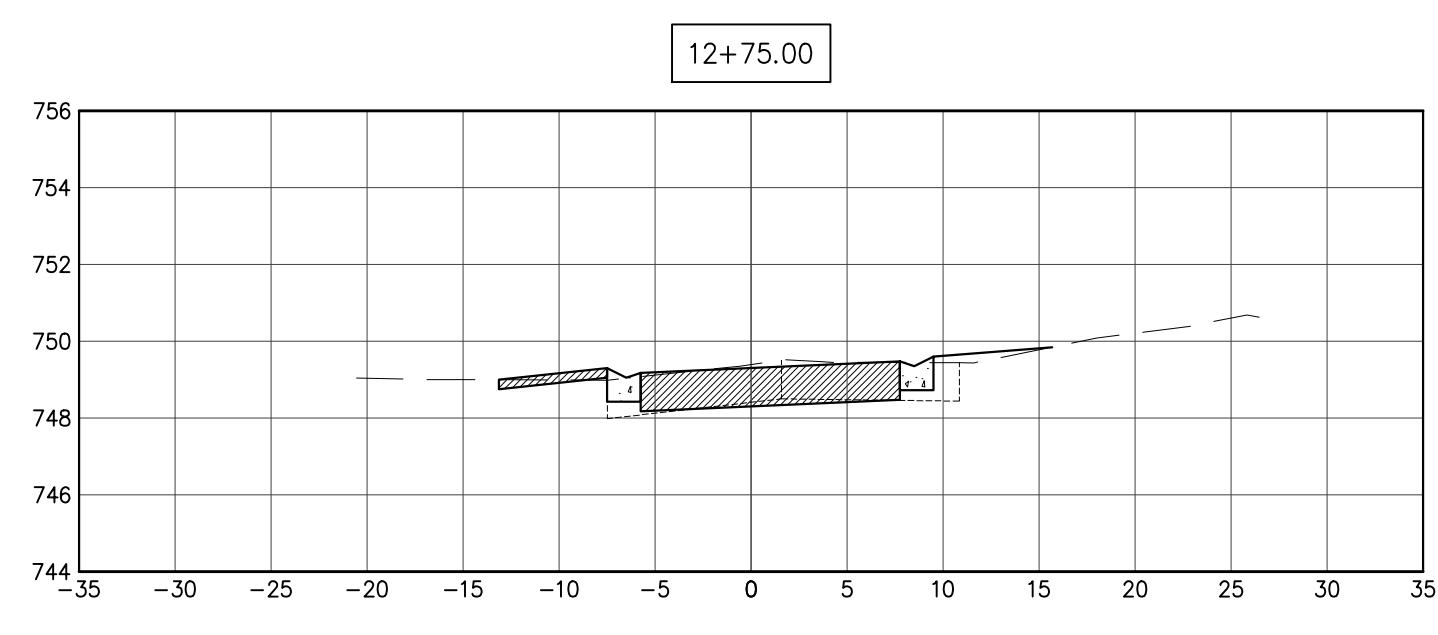
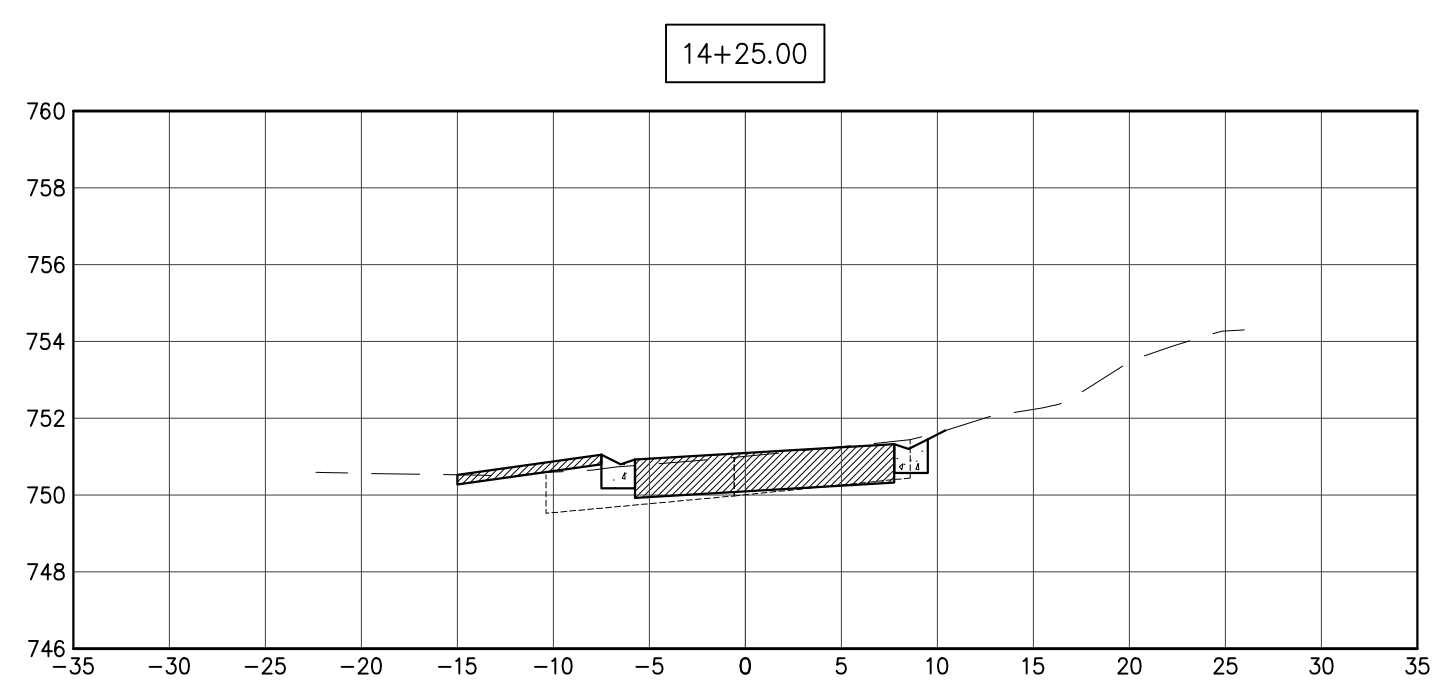
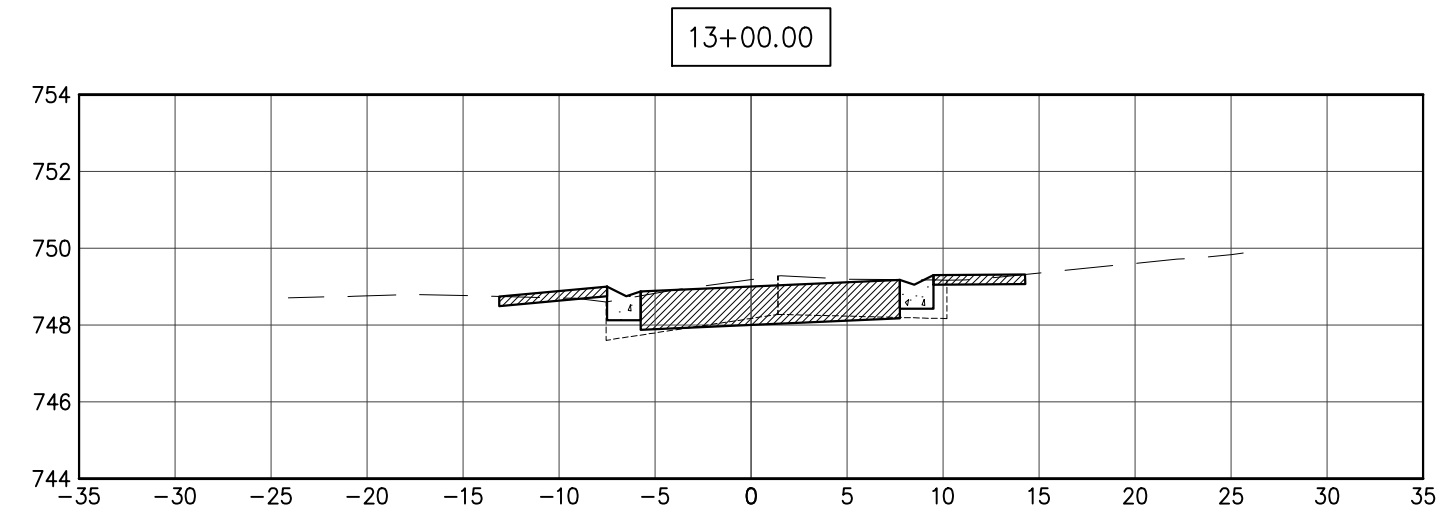
PROJECT NUMBER
NTRD-21020-3

SHEET TITLE

**CROSS SECTIONS  
WILDWOOD DRIVE  
STA 12+00 - 15+25**

SHEET NUMBER

**C2.7**



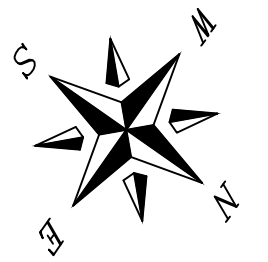


**J. CONDON & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 5415 BUSINESS PARKWAY  
 RINGWOOD, ILLINOIS 60072  
 815.728.0068

IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
 ROAD DIST.**

NUNDA TOWNSHIP,  
 ILLINOIS



SCALE  
 1"=10' H 1"=5' V

ISSUE DATE  
 03/27/2024

PROJECT MANAGER  
 JEC

DESIGNER  
 LRT

QUALITY CONTROL  
 MAM

**PORTEN'S HICKORY  
 KNOLL  
 SUBDIVISIONS  
 DRAINAGE &  
 ROADWAY  
 IMPROVEMENTS  
 NUNDA TOWNSHIP,  
 ILLINOIS**

NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER NTRD-21020-3
SHEET TITLE CROSS SECTIONS WILDWOOD DRIVE STA 15+50 - 16+50
SHEET NUMBER C2.8

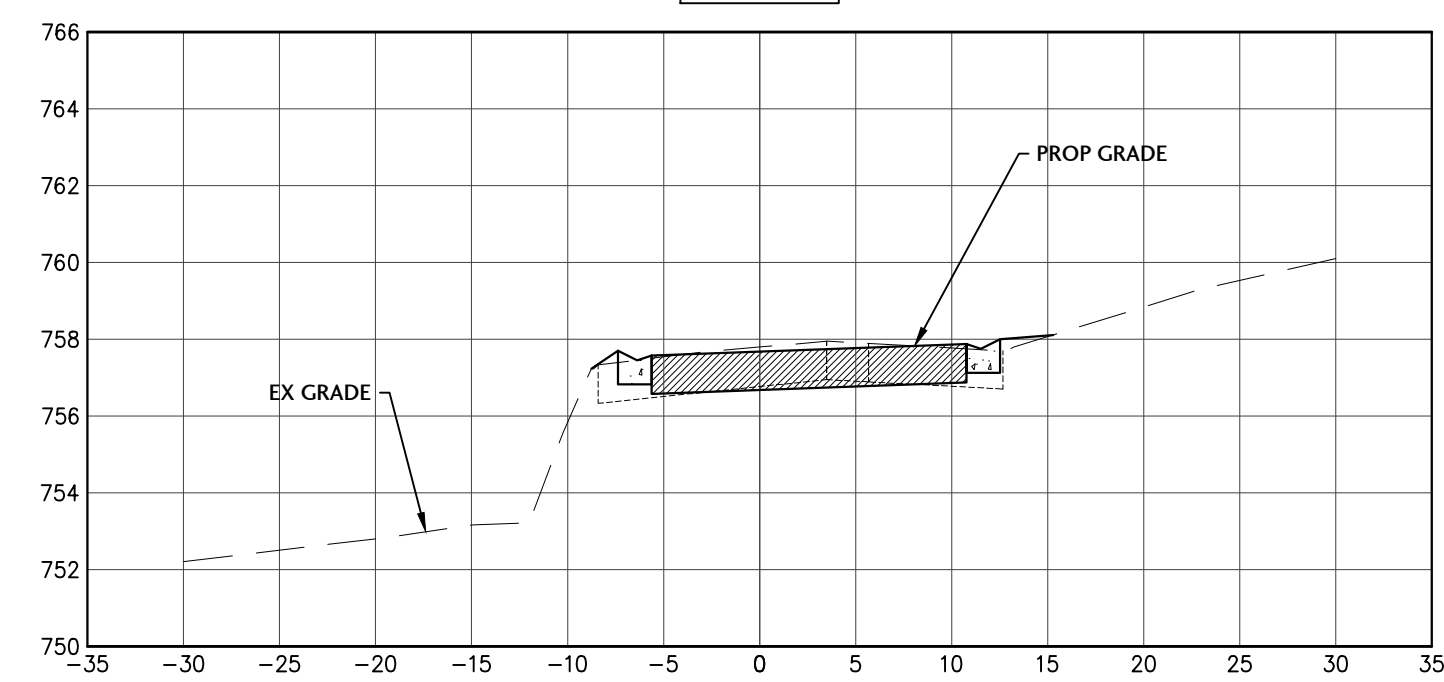
PROJECT NUMBER  
NTRD-21020-3

SHEET TITLE  
CROSS SECTIONS  
WILDWOOD DRIVE  
STA 15+50 - 16+50

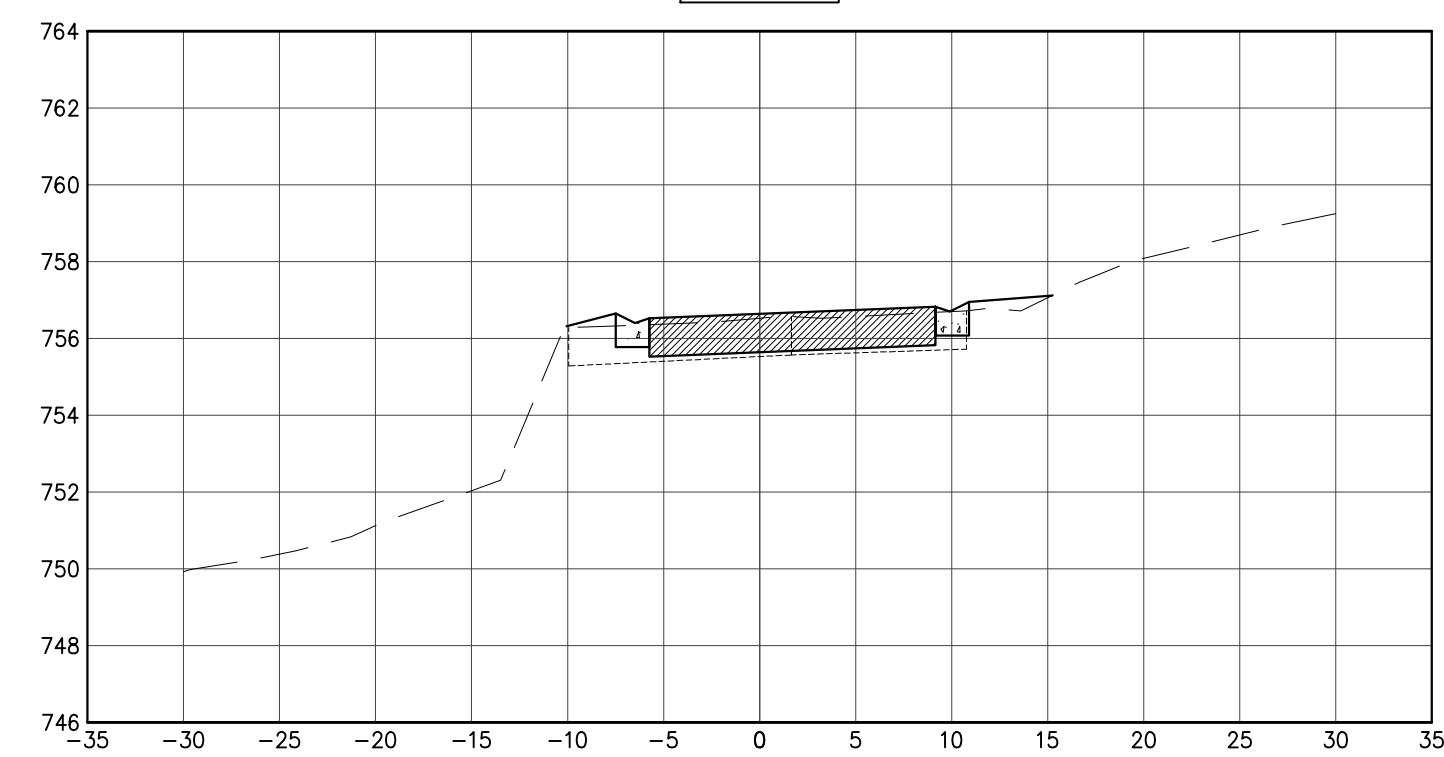
SHEET NUMBER  
C2.8

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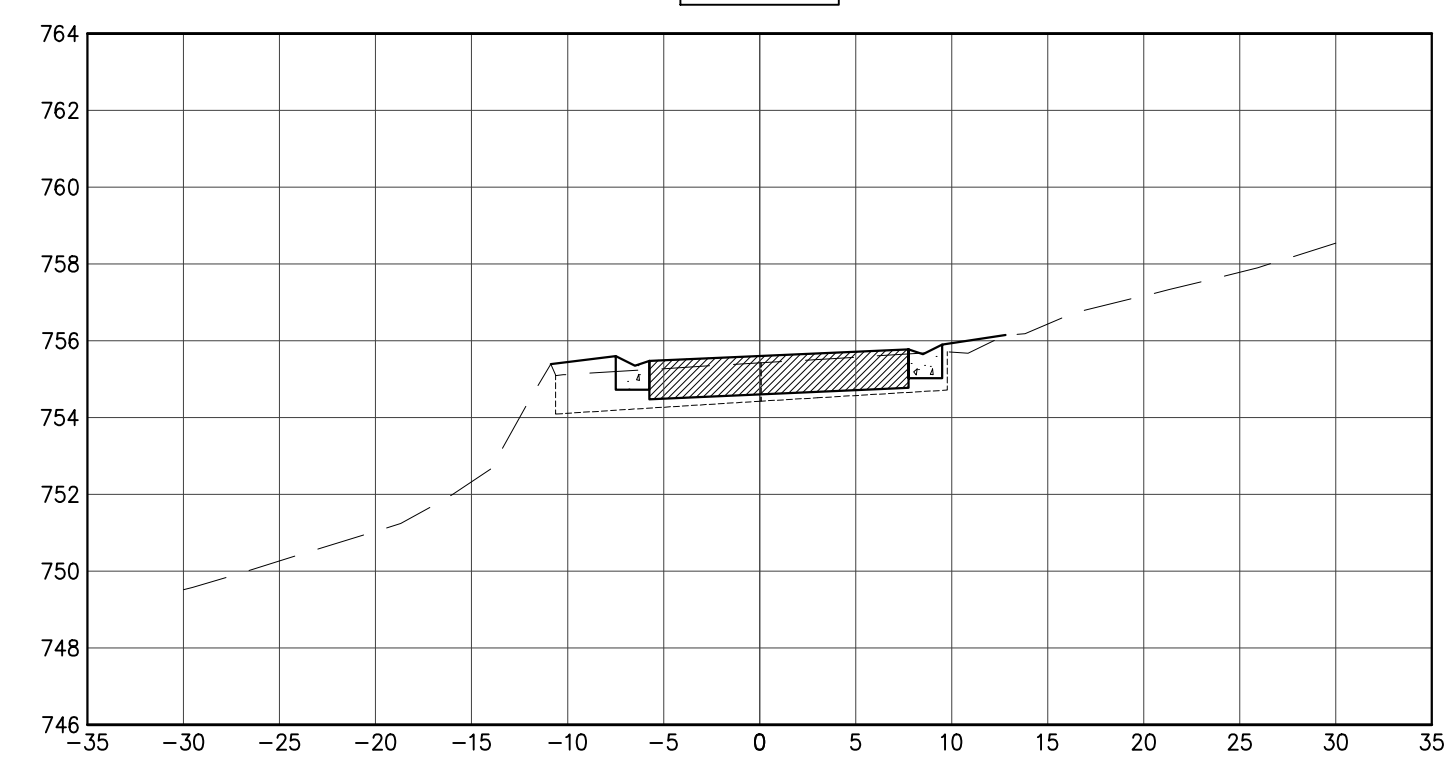
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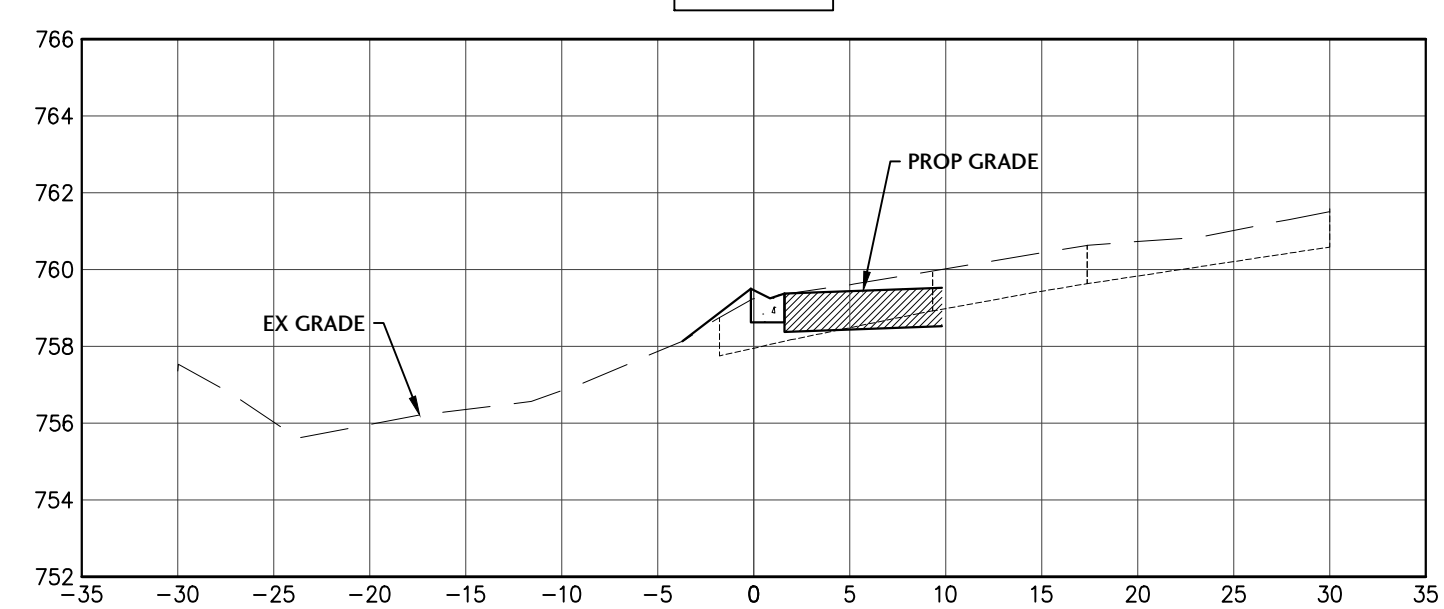
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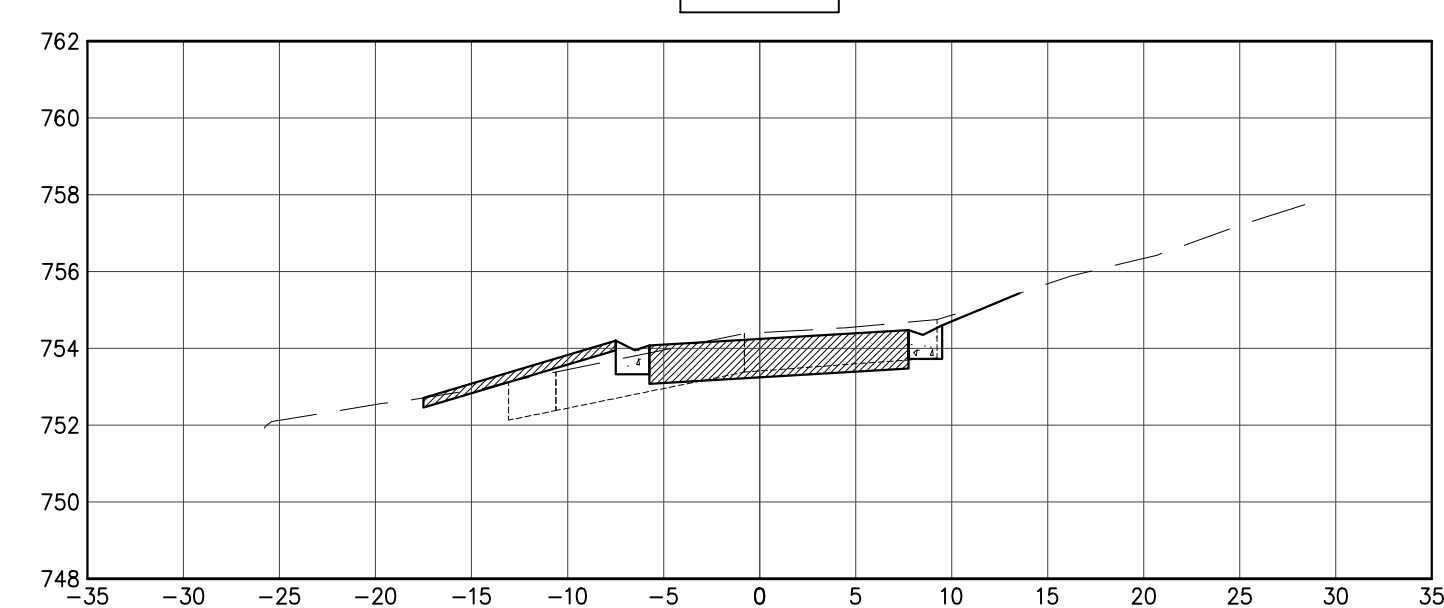
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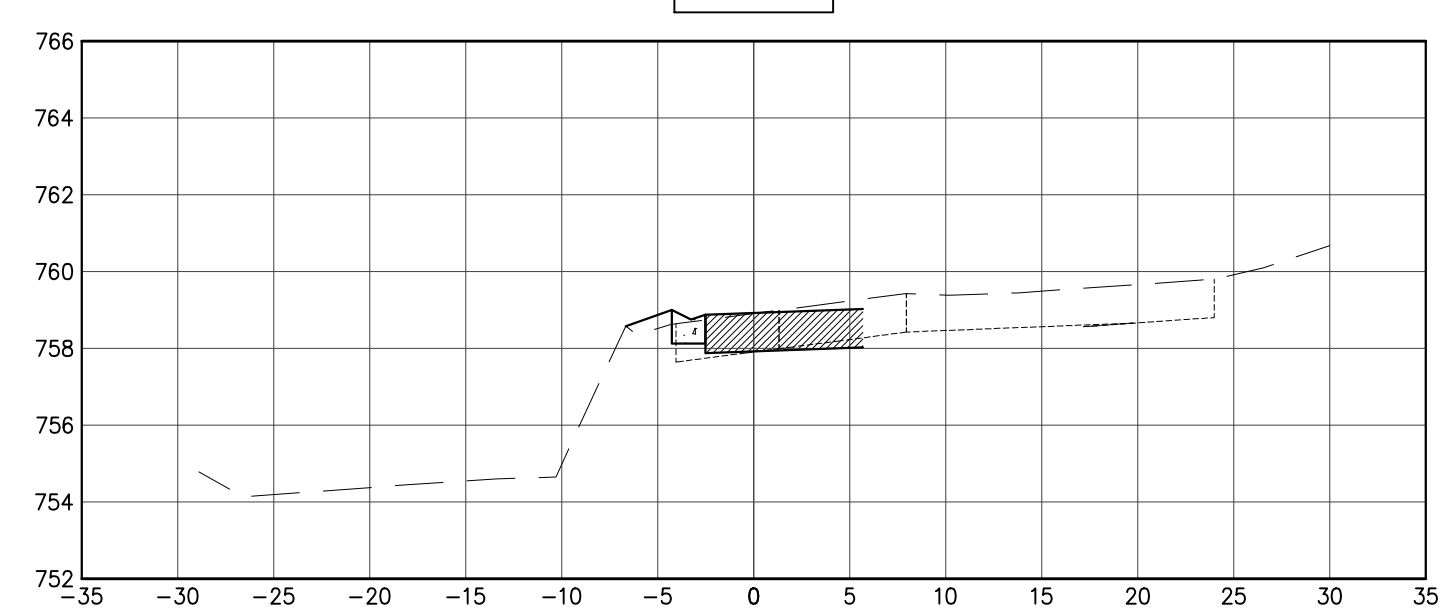
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15+25.00



16+25.00



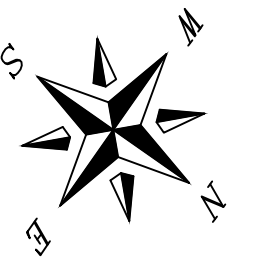


J. CONDON & ASSOCIATES, INC.  
CONSULTING ENGINEERS  
5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
815.728.0068

ILL. DESIGN FIRM # 184-006759

**NUNDA TWP.  
ROAD DIST.**

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
1"=10' H 1"=5' V

ISSUE DATE  
03/27/2024

PROJECT MANAGER  
JEC

DESIGNER  
LRT

QUALITY CONTROL  
MAM

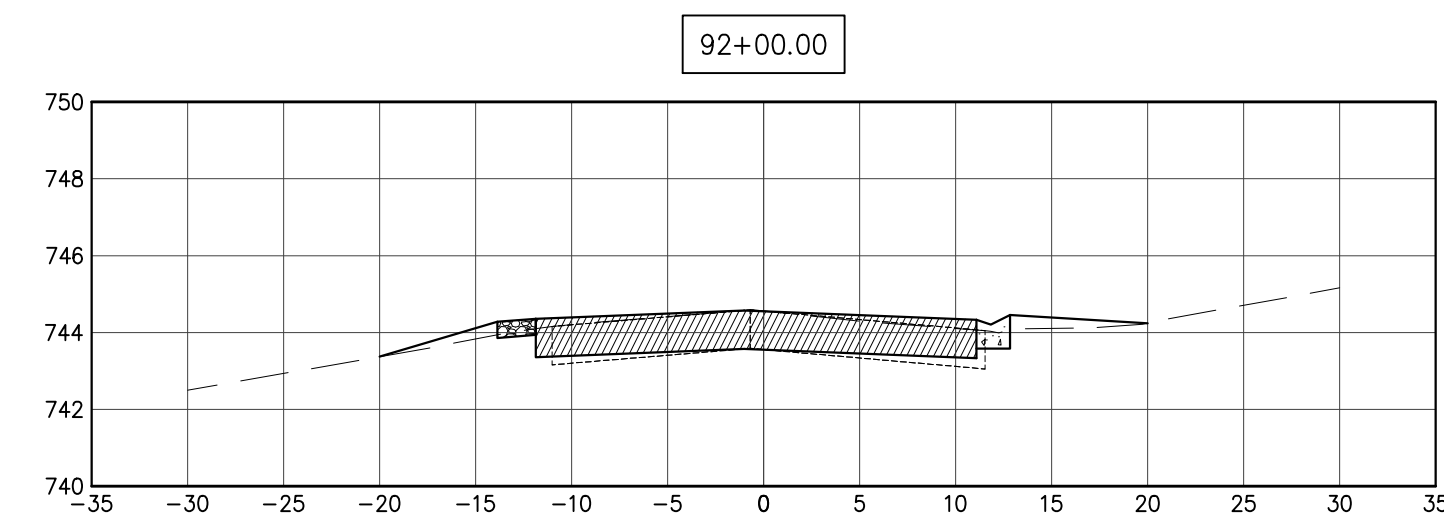
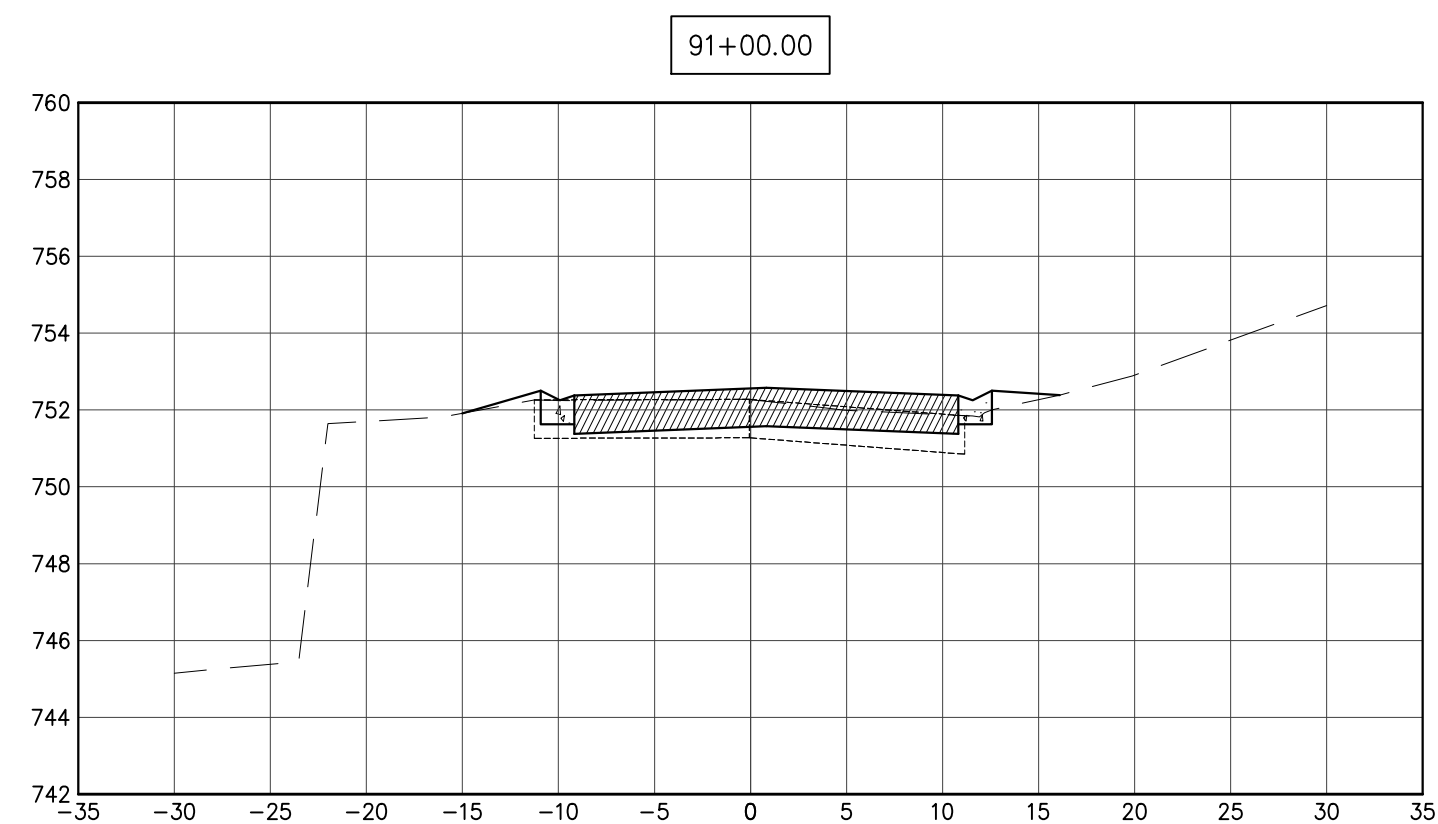
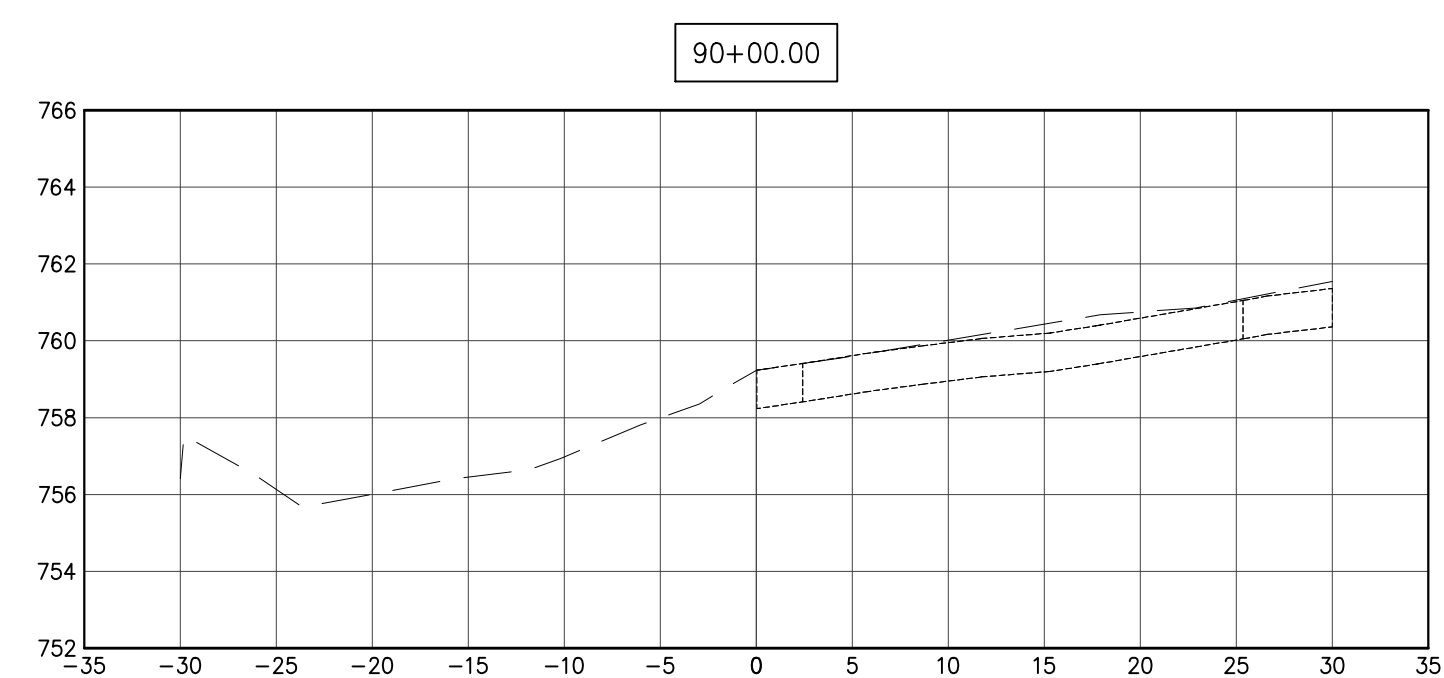
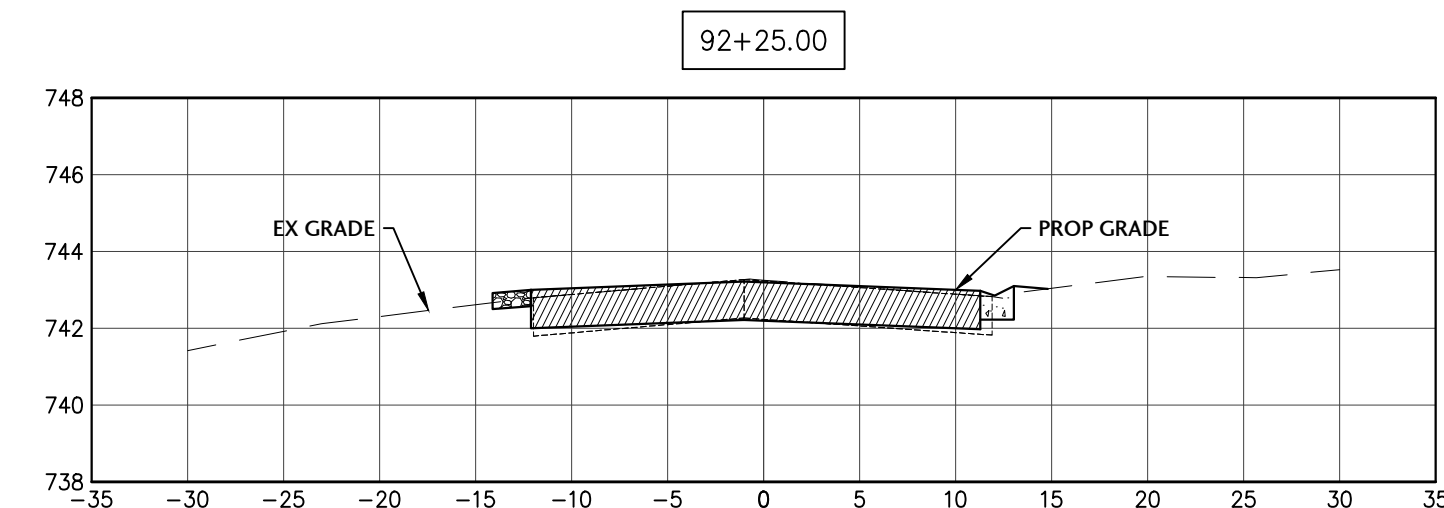
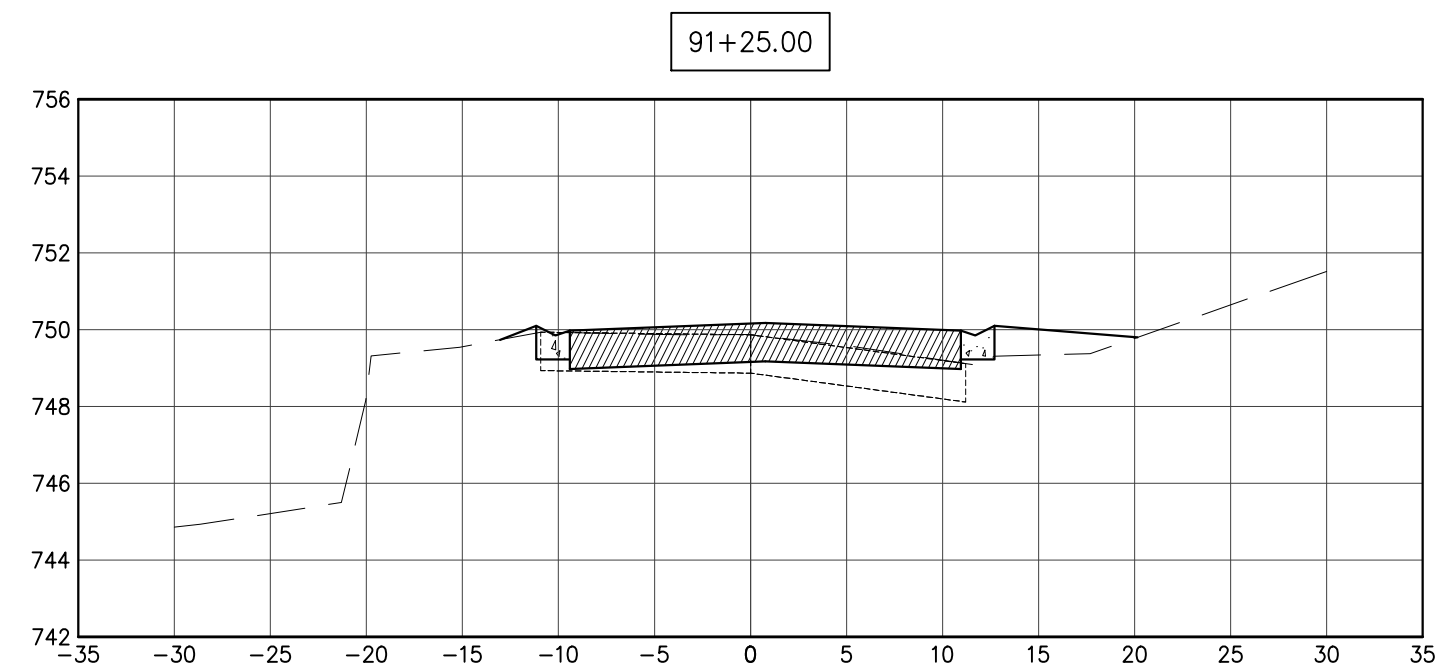
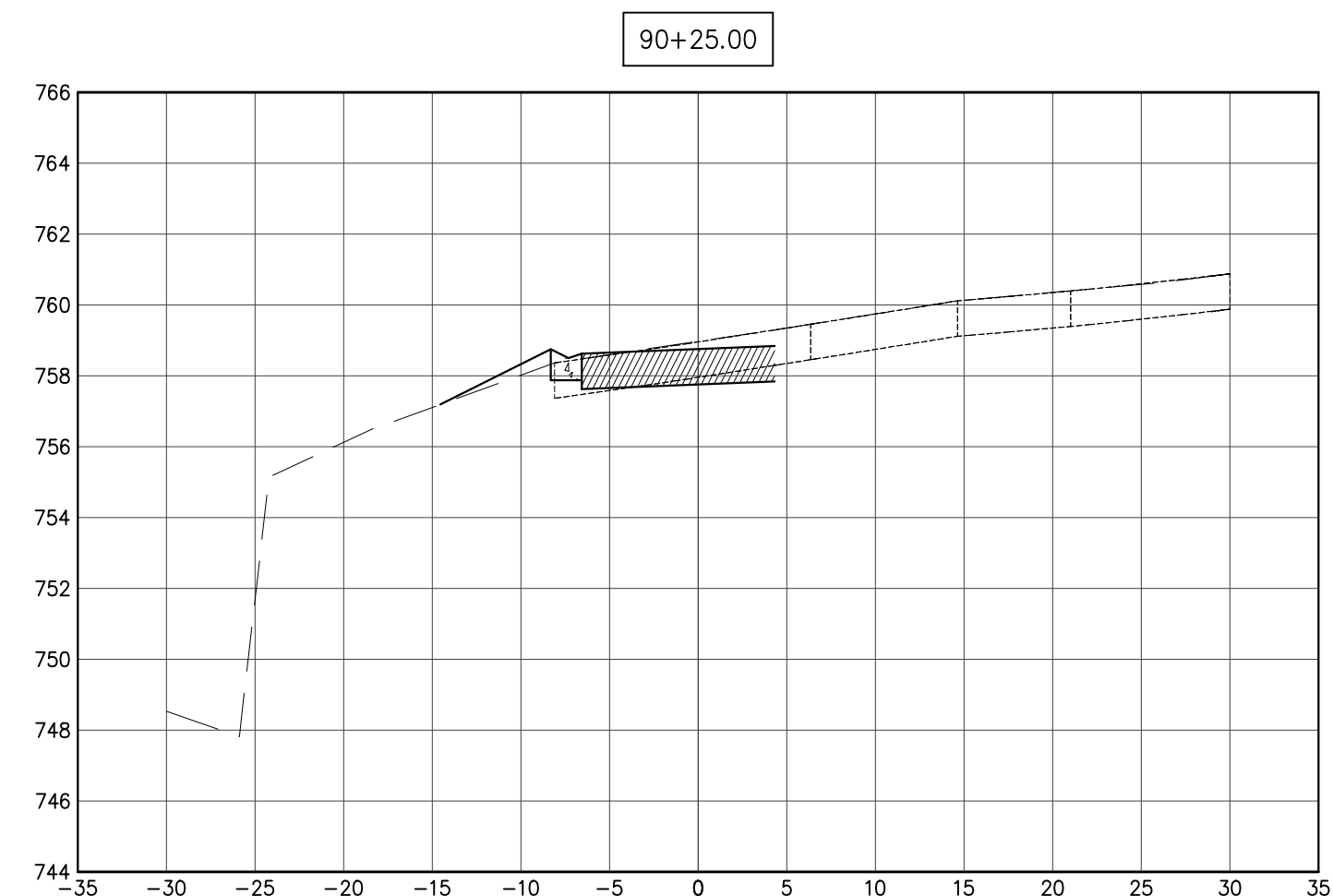
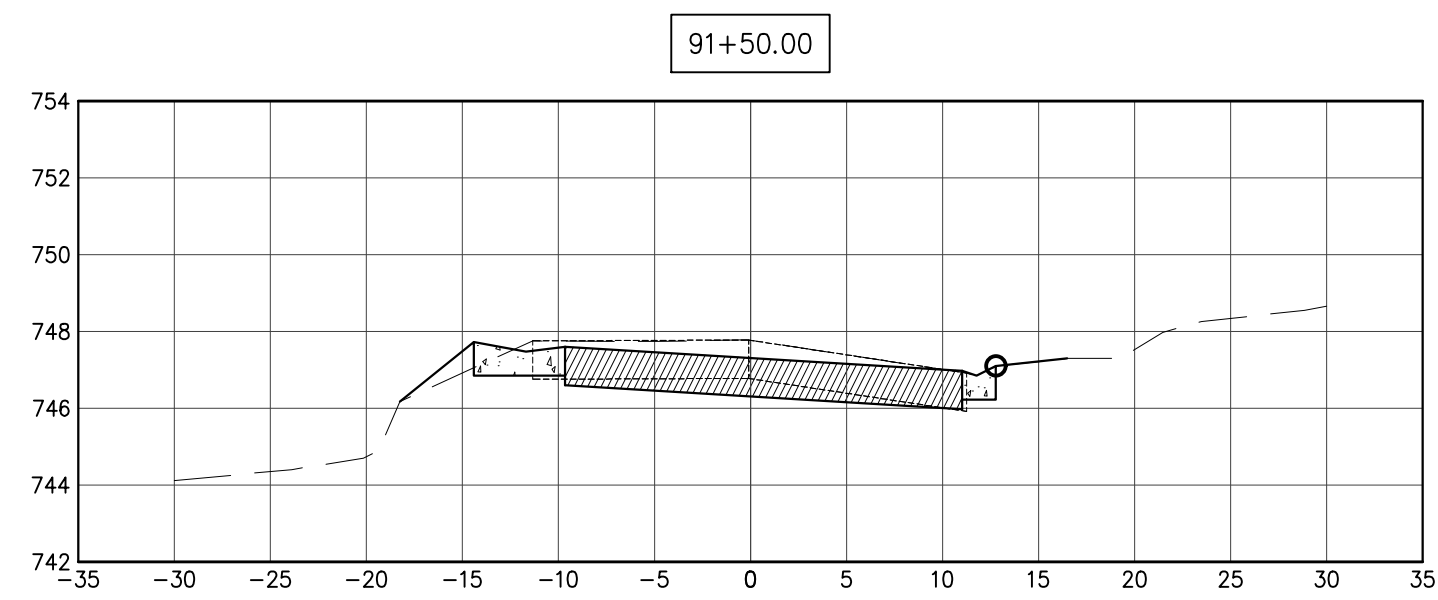
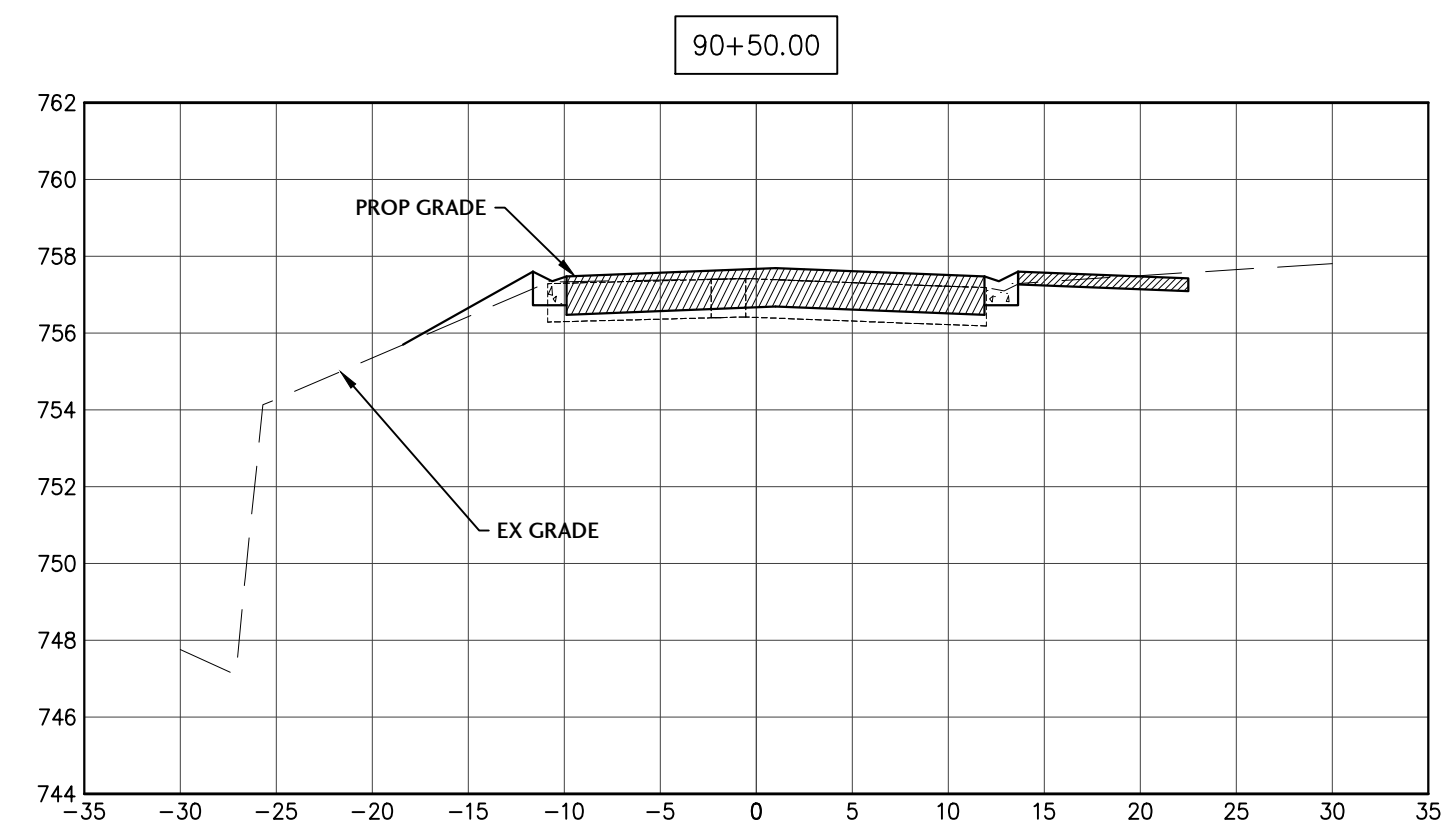
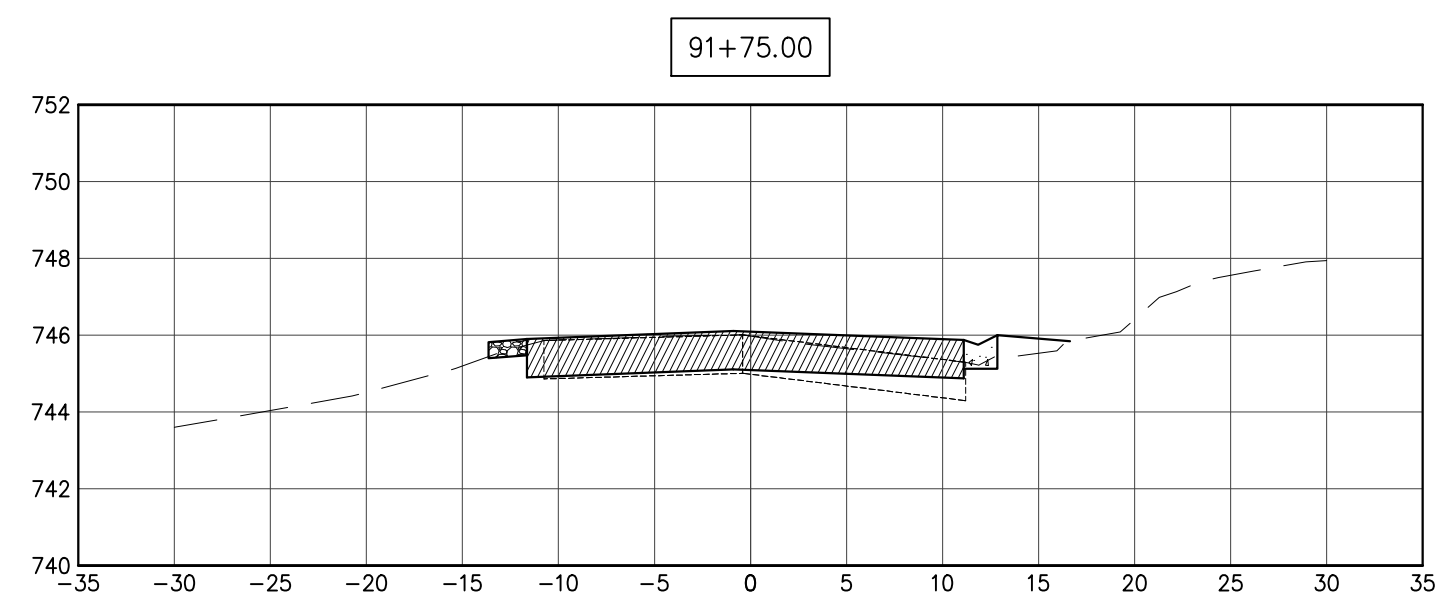
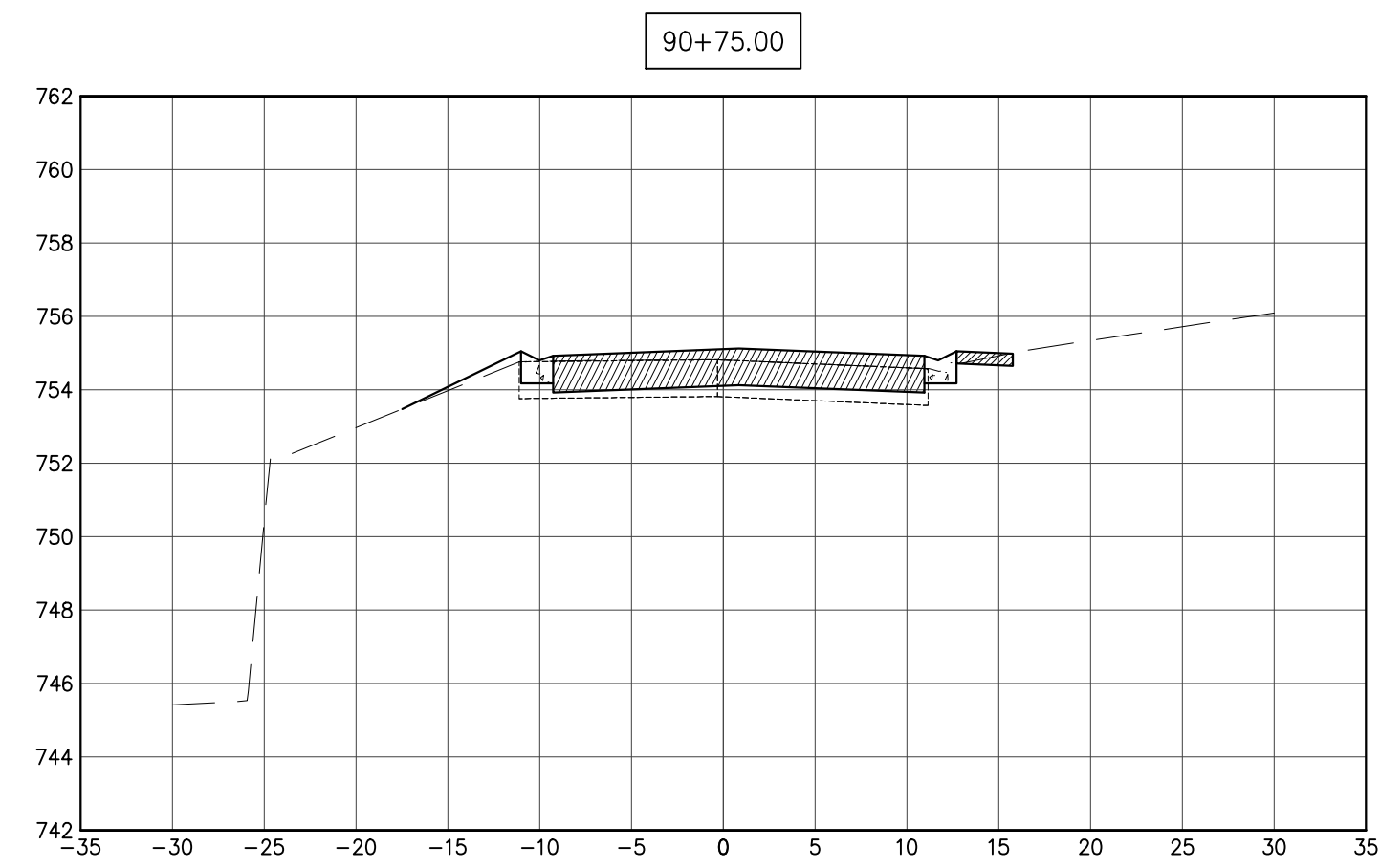
**PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS**

NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER  
NTRD-21020-3

SHEET TITLE  
**CROSS SECTIONS  
GIANT OAK DRIVE  
STA 90+00 - 92+25**

SHEET NUMBER  
**C2.9**



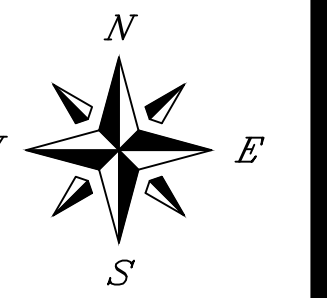


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CONSULTING ENGINEERS  
5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
815.728.0068

ILL. DESIGN FIRM # 184-006759

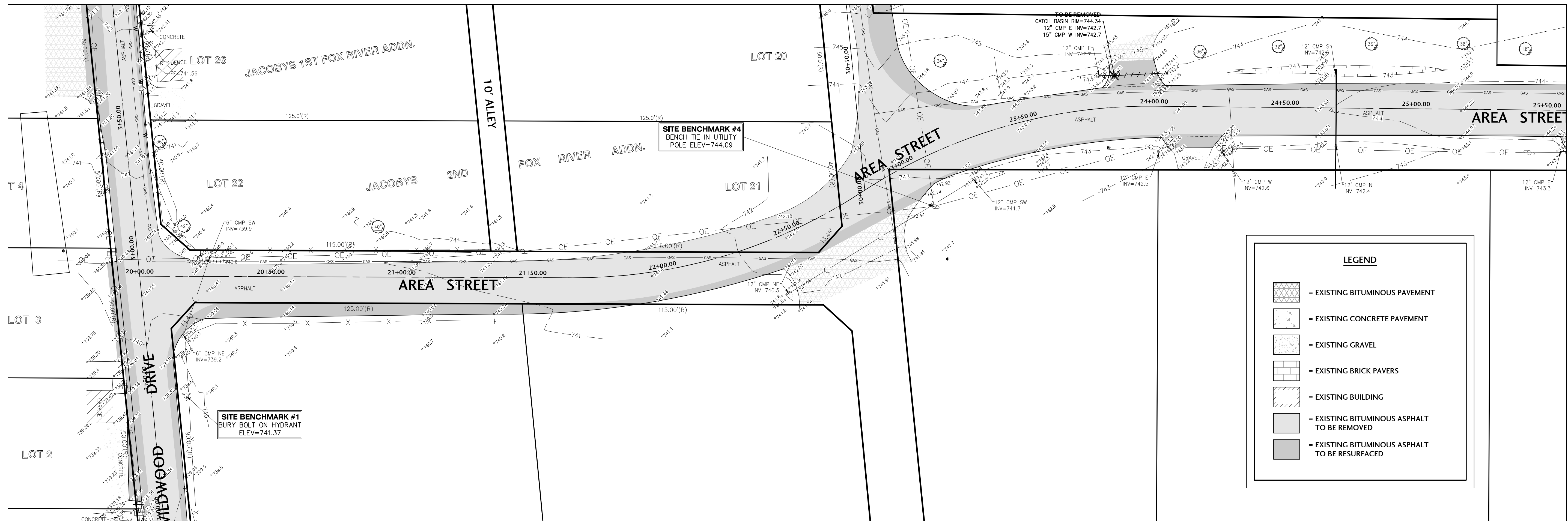
NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS

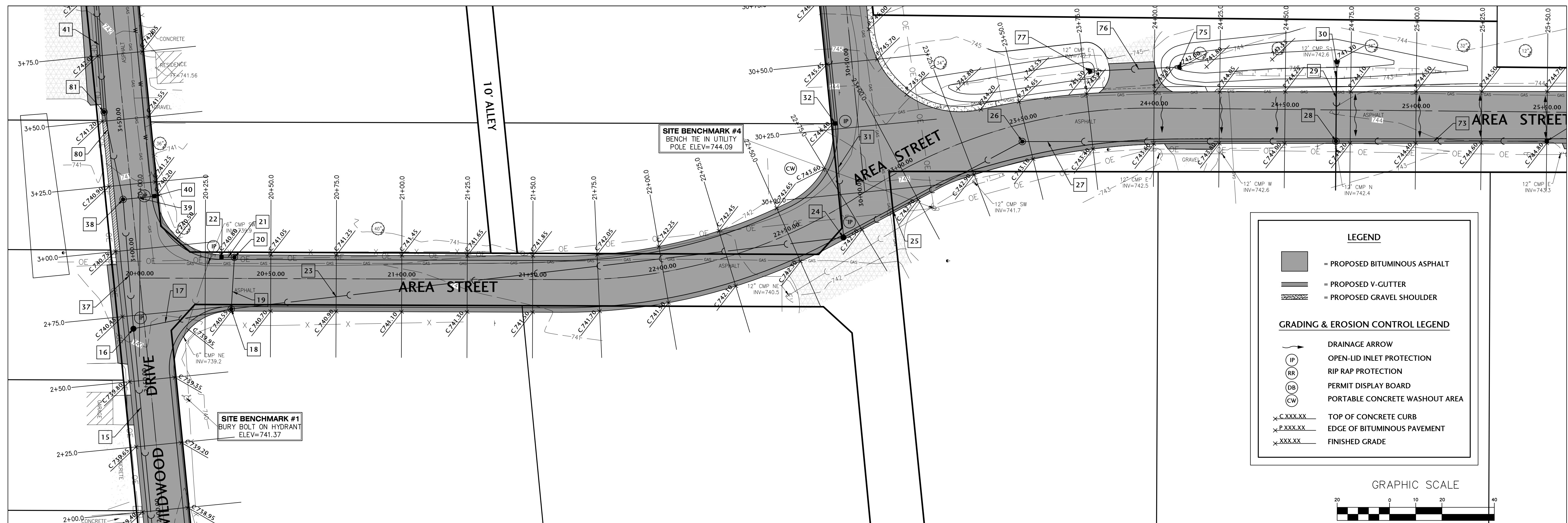


SCALE  
1" = 20'  
ISSUE DATE  
03/27/2024  
PROJECT MANAGER  
JEC  
DESIGNER  
LRT  
QUALITY CONTROL  
MAM

PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS



**EXISTING CONDITIONS AND ROADWAY REMOVAL PLAN**



**PROPOSED ROADWAY PLAN**

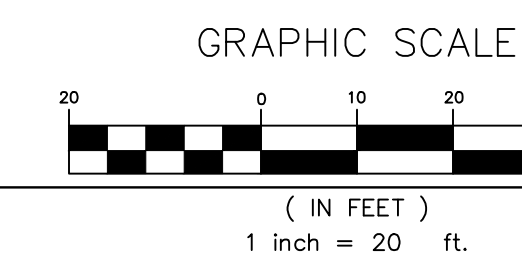
NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER  
NTRD-21020-3

SHEET TITLE  
AREA STREET  
IMPROVEMENTS  
STA 0+00 TO 25+50

SHEET NUMBER

**C3.0**



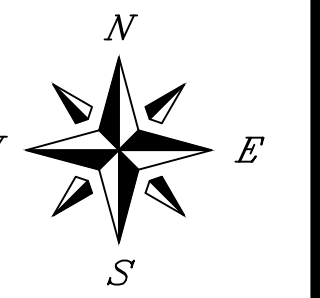


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5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
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IL DESIGN FIRM # 184-006759

NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS



SCALE

1" = 20'

ISSUE DATE

03/27/2024

PROJECT MANAGER

JEC

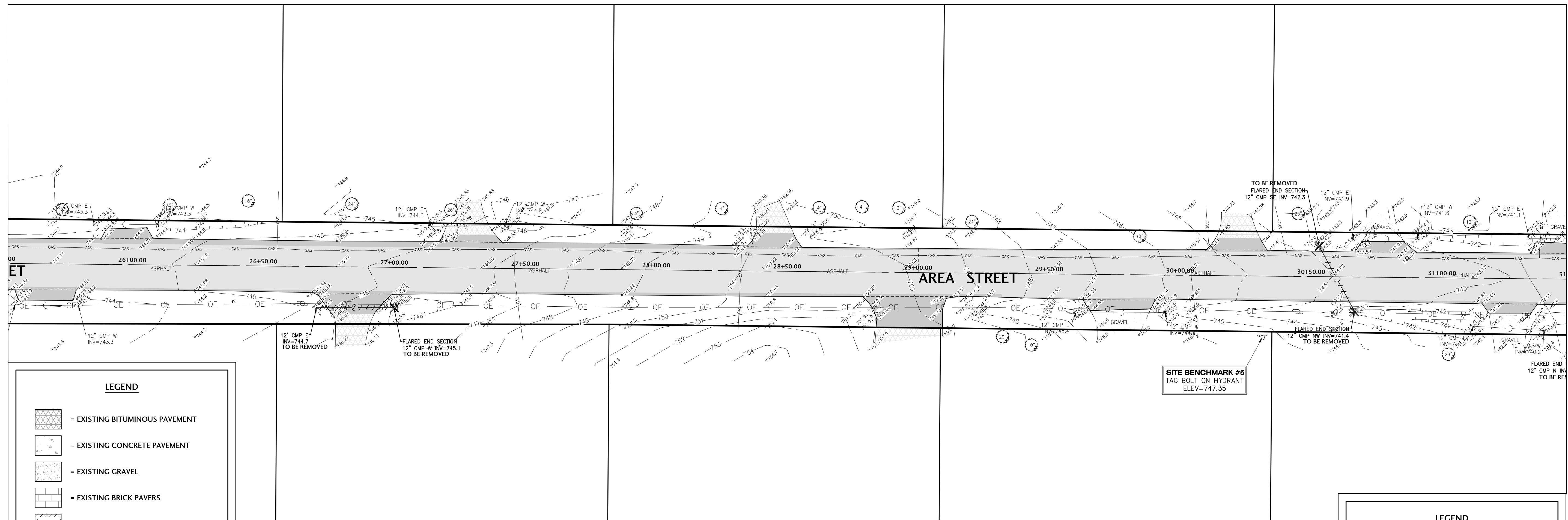
DESIGNER

LRT

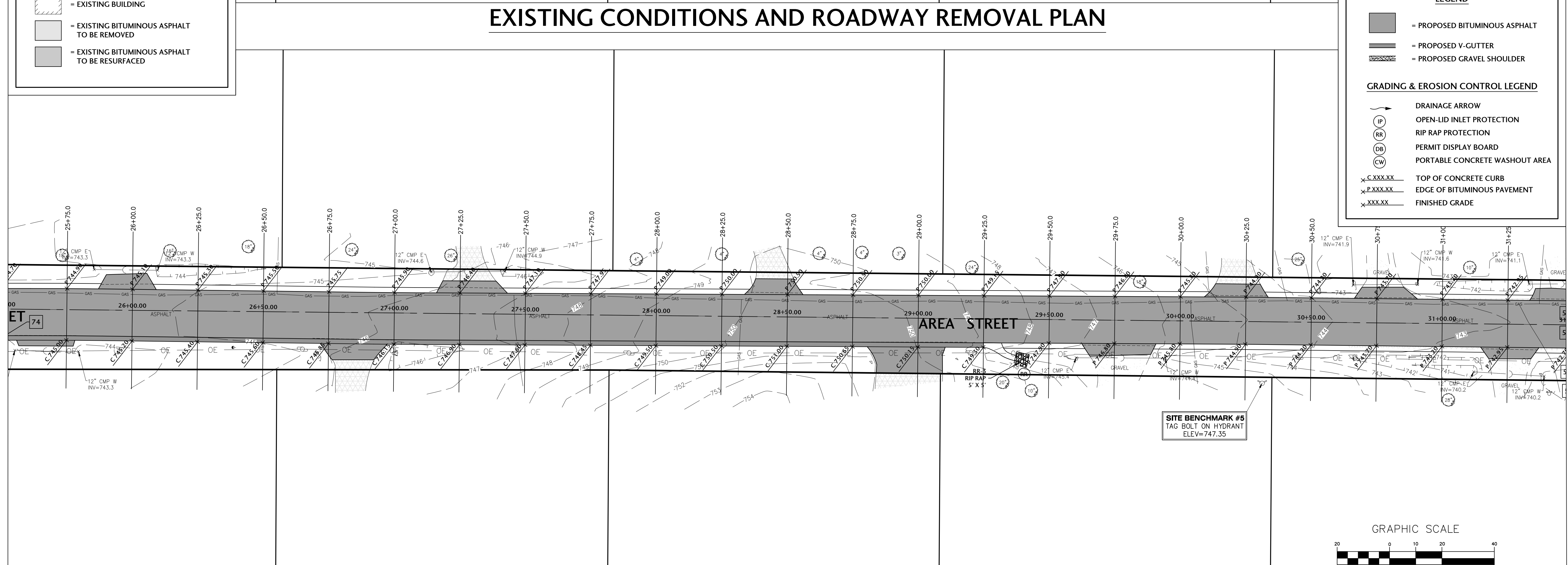
QUALITY CONTROL

MAM

PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS



### EXISTING CONDITIONS AND ROADWAY REMOVAL PLAN



### PROPOSED ROADWAY PLAN

NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

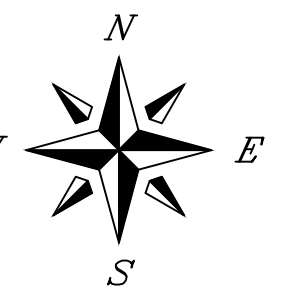
PROJECT NUMBER	NTRD-21020-3
SHEET TITLE	AREA STREET IMPROVEMENTS STA 25+50 TO 31+50
SHEET NUMBER	C3.1



J. CONDON & ASSOCIATES, INC.  
CONSULTING ENGINEERS  
5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
815.728.0068  
IL DESIGN FIRM # 184-006759

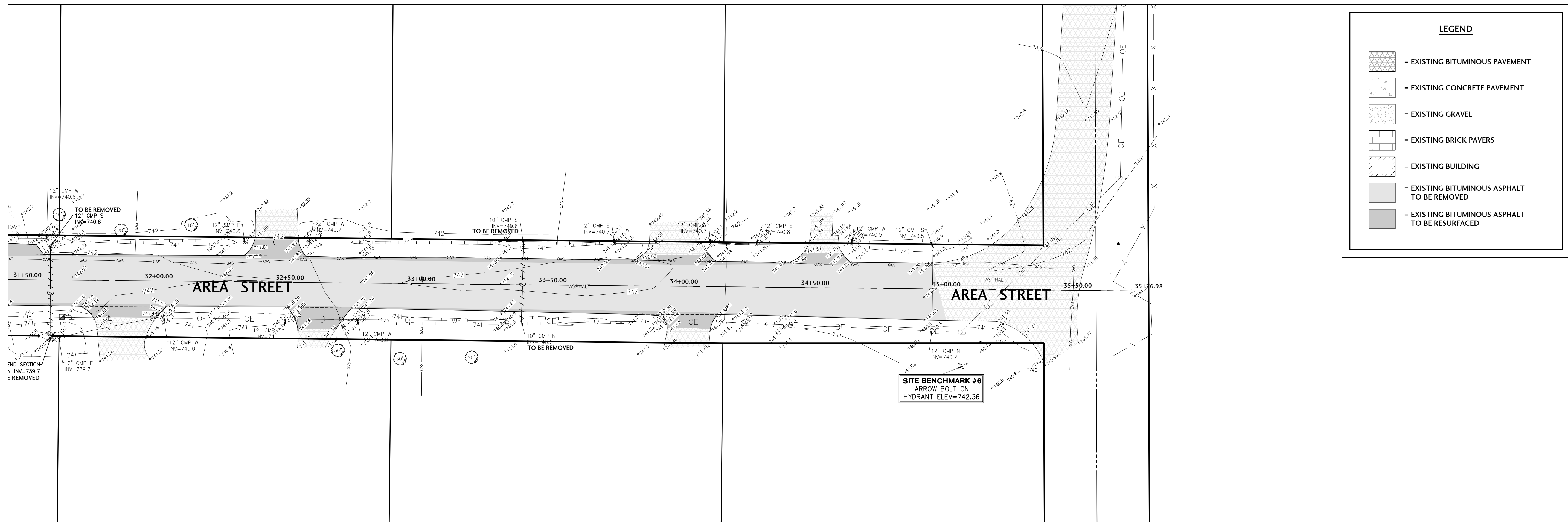
NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS

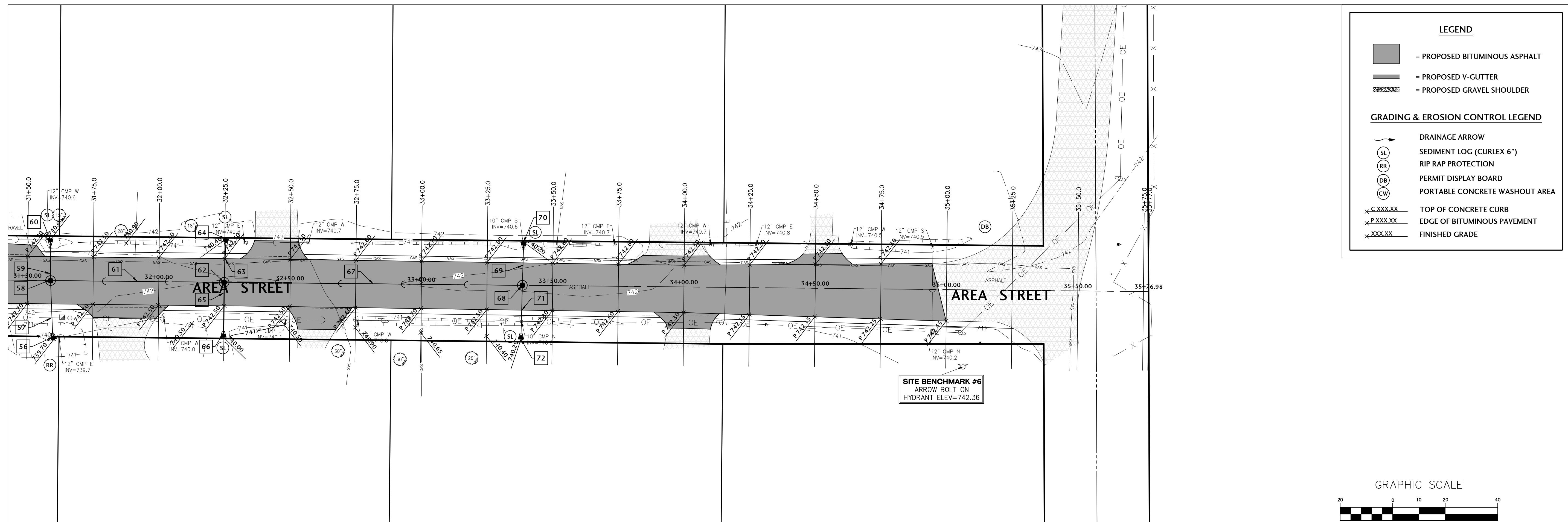


SCALE  
1" = 20'  
ISSUE DATE  
03/27/2024  
PROJECT MANAGER  
JEC  
DESIGNER  
LRT  
QUALITY CONTROL  
MAM

PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS



**EXISTING CONDITIONS AND ROADWAY REMOVAL PLAN**



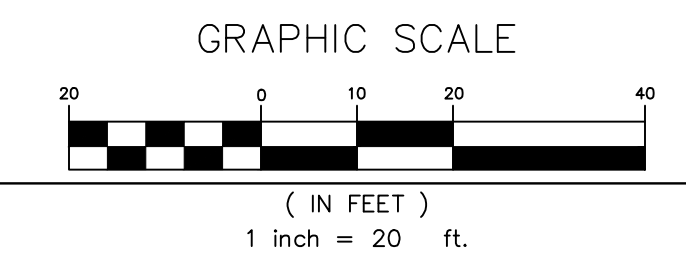
**PROPOSED ROADWAY PLAN**

**LEGEND**

- = PROPOSED BITUMINOUS ASPHALT
- = PROPOSED V-GUTTER
- = PROPOSED GRAVEL SHOULDER

**GRADING & EROSION CONTROL LEGEND**

- DRAINAGE ARROW
- SEDIMENT LOG (CUREX 6")
- RIP RAP PROTECTION
- PERMIT DISPLAY BOARD
- PORTABLE CONCRETE WASHOUT AREA
- TOP OF CONCRETE CURB
- EDGE OF BITUMINOUS PAVEMENT
- FINISHED GRADE



NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER  
NTRD-21020-3

SHEET TITLE  
AREA STREET  
IMPROVEMENTS  
STA  
31+50 TO 35+76.98

SHEET NUMBER

C3.2

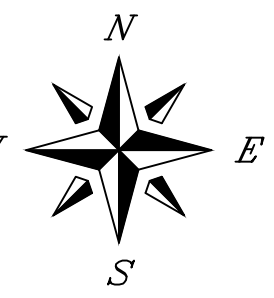




J. CONDON & ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 5415 BUSINESS PARKWAY  
 RINGWOOD, ILLINOIS 60072  
 815.728.0068  
 IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
ROAD DIST.**

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
 1" = 10' H 1" = 5' V

ISSUE DATE  
 03/27/2024

PROJECT MANAGER  
 JEC

DESIGNER  
 LRT

QUALITY CONTROL  
 MAM

**PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS**

NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

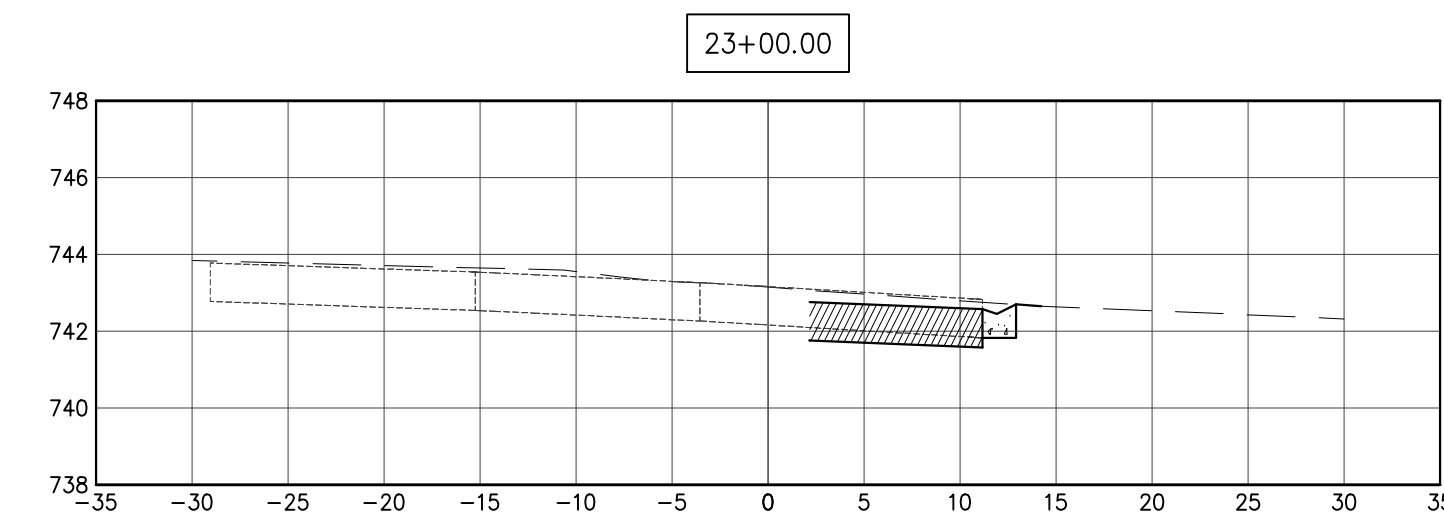
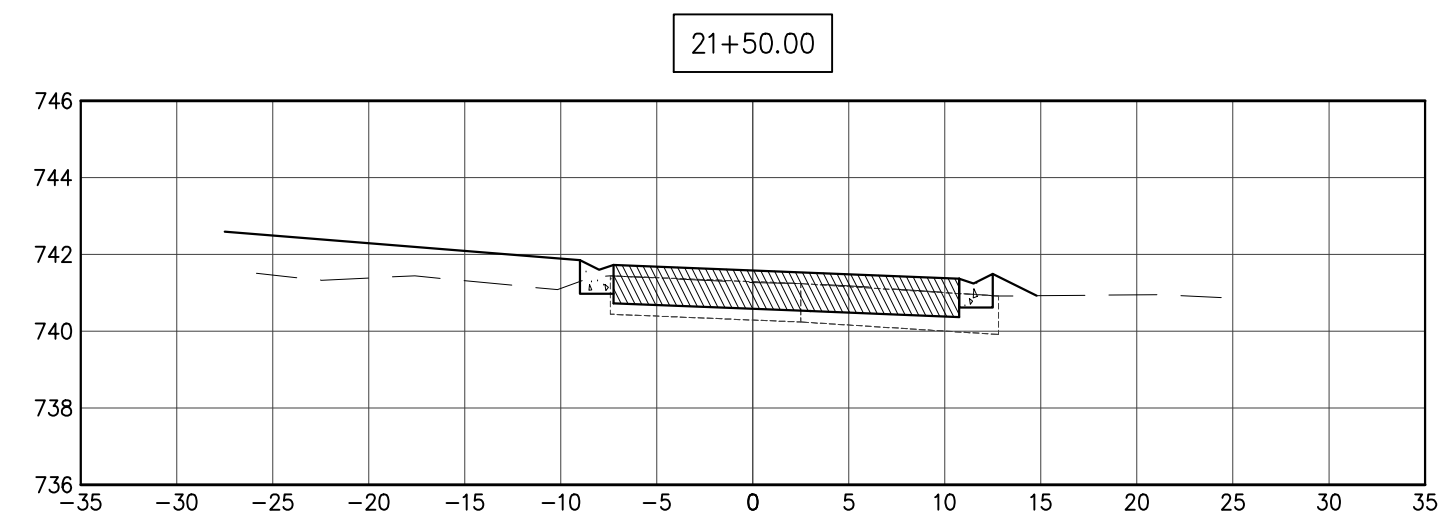
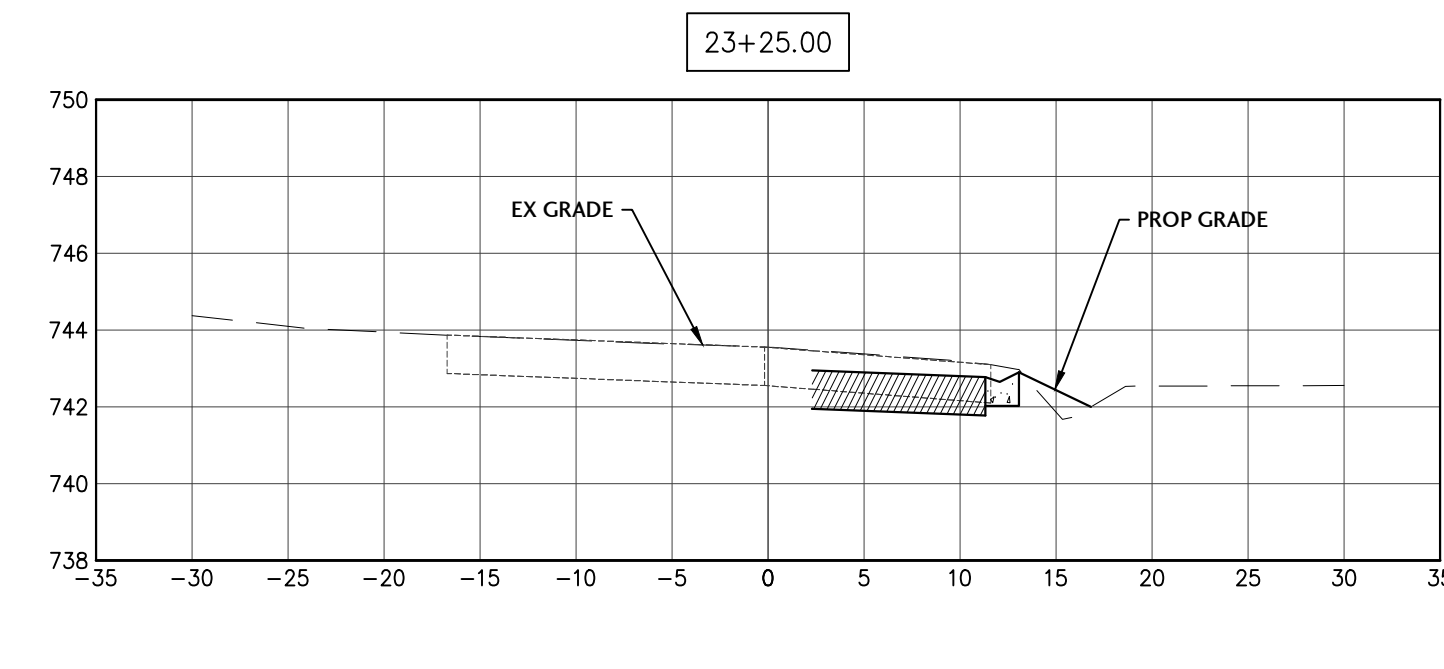
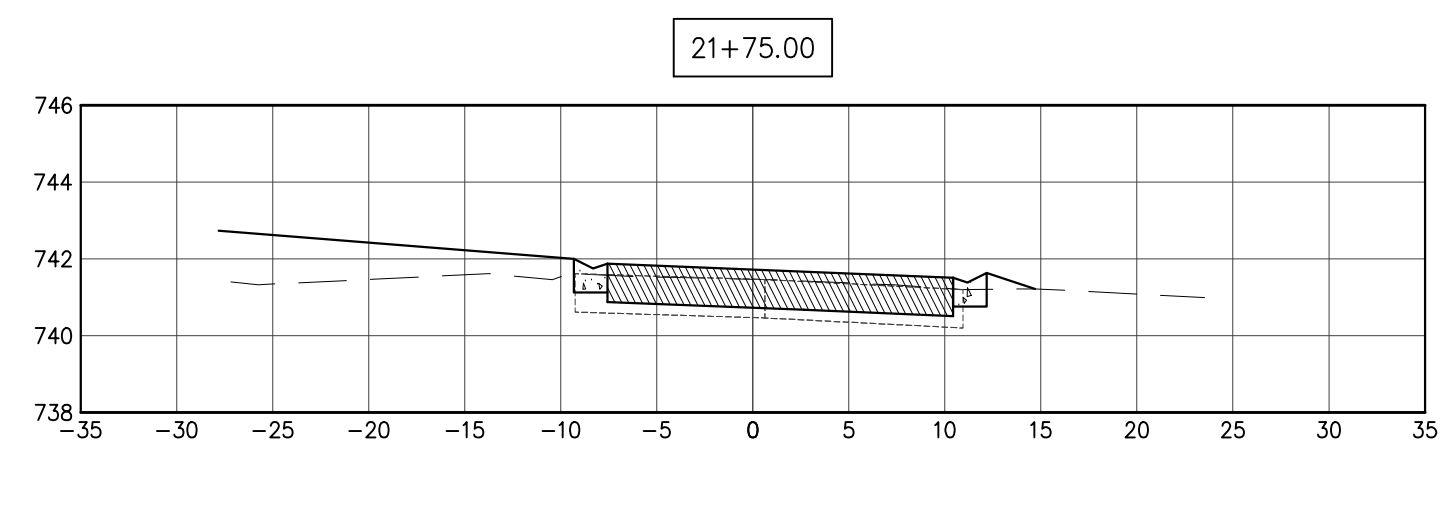
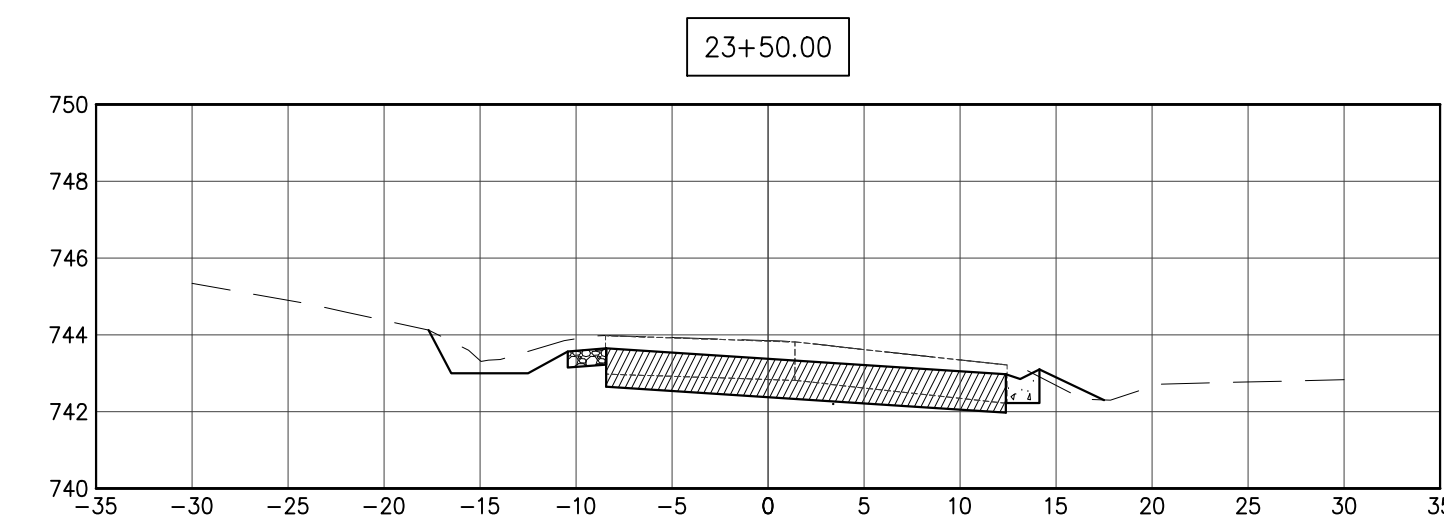
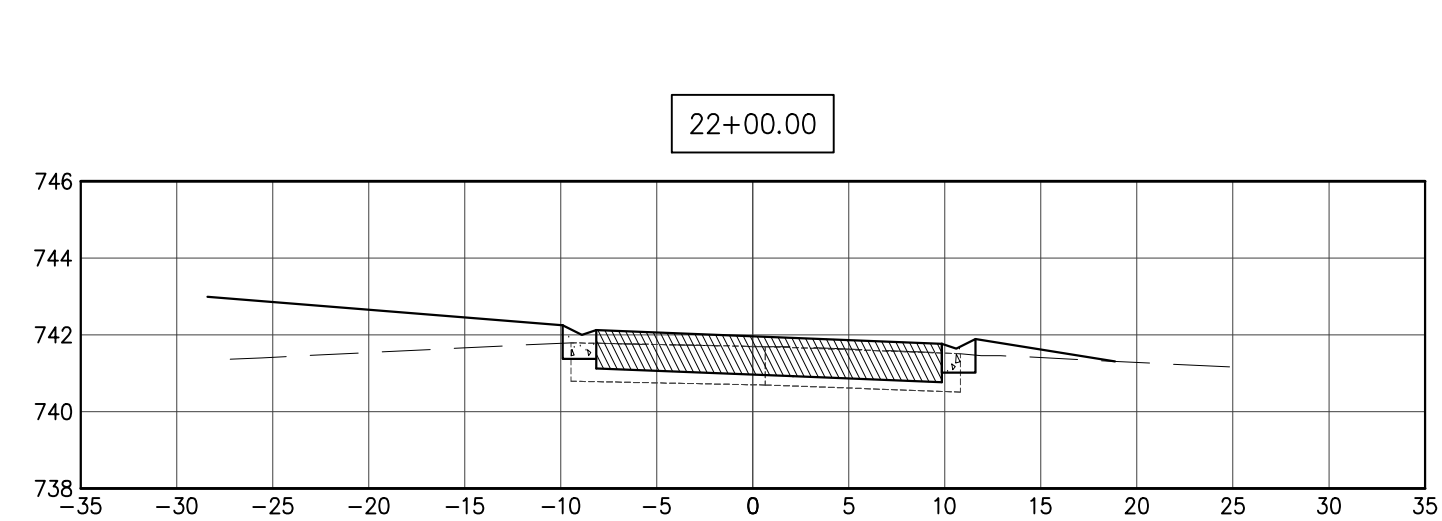
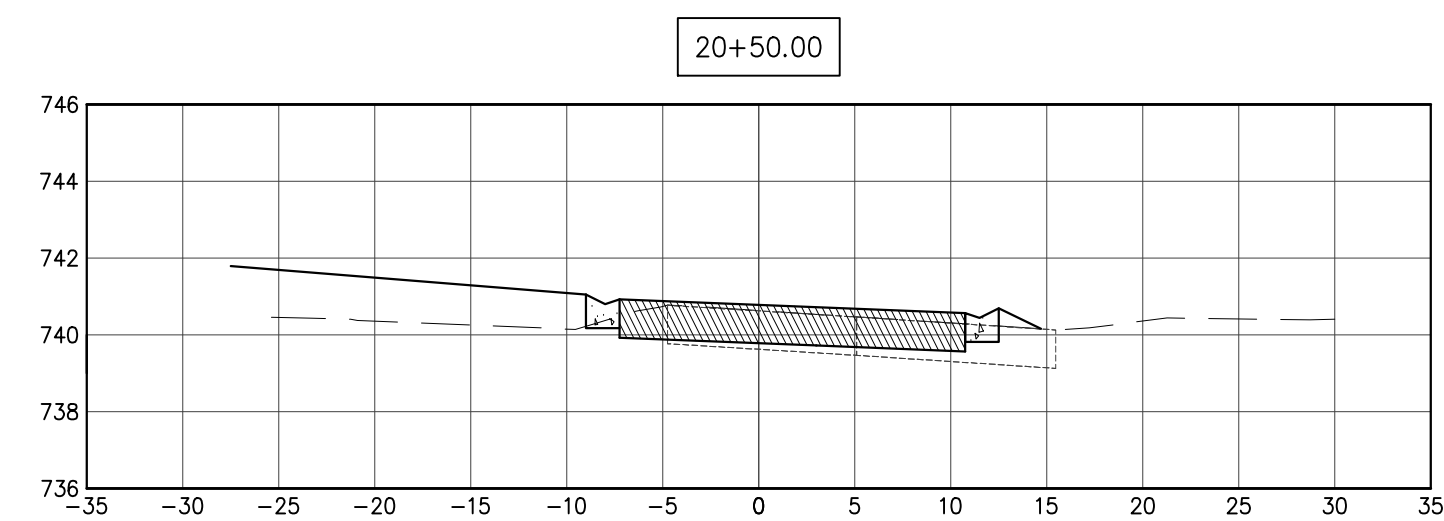
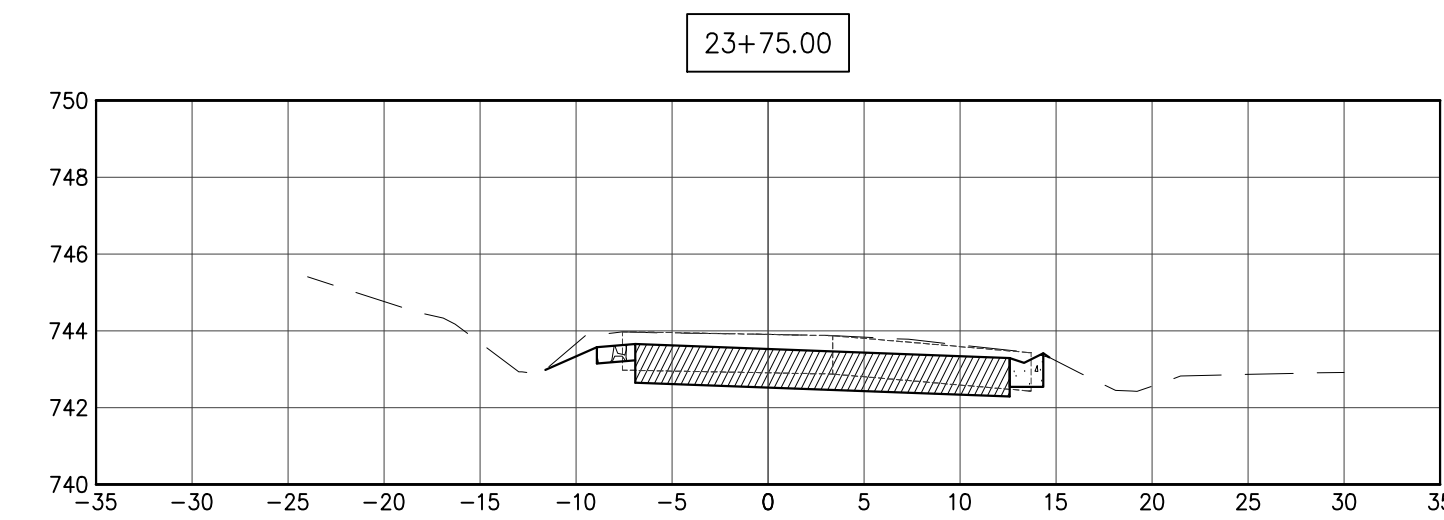
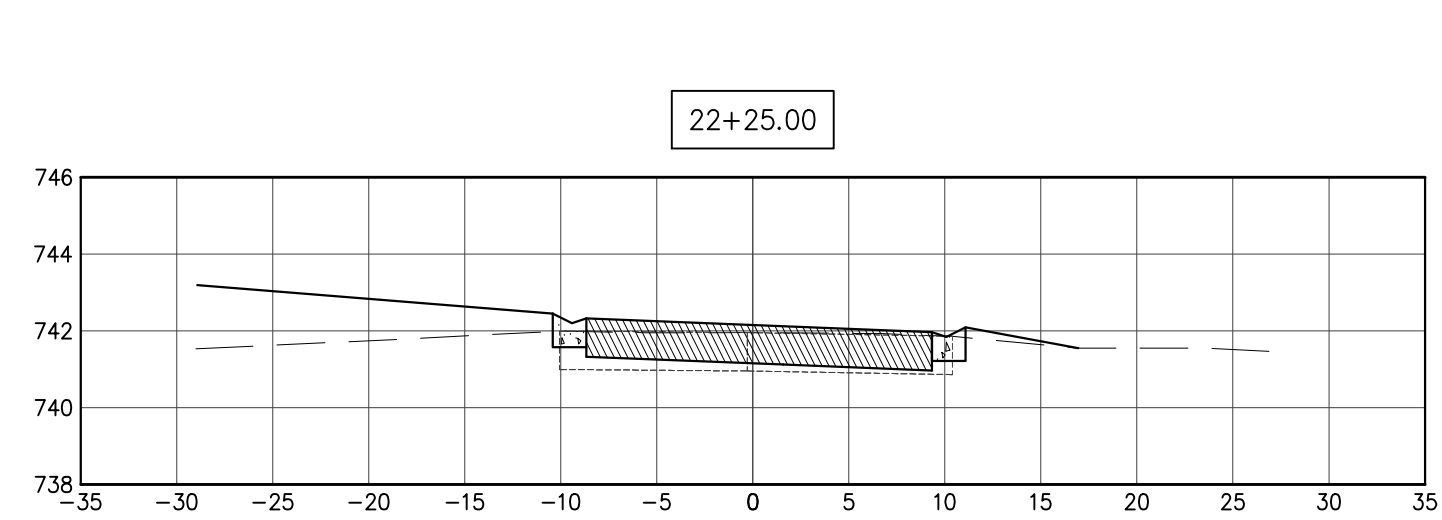
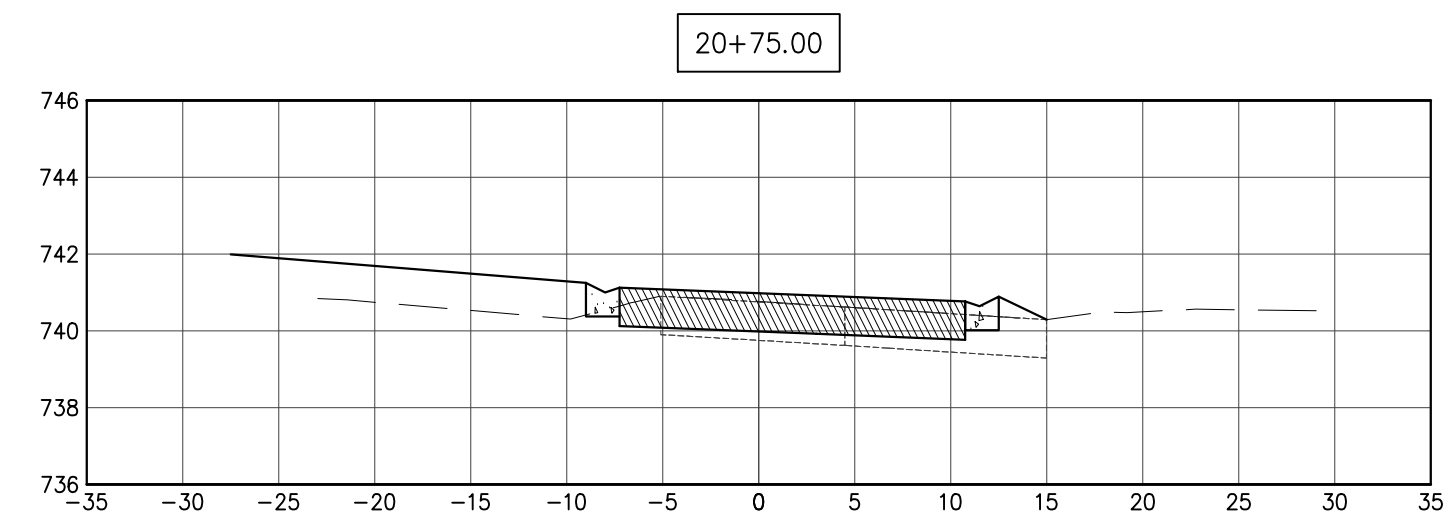
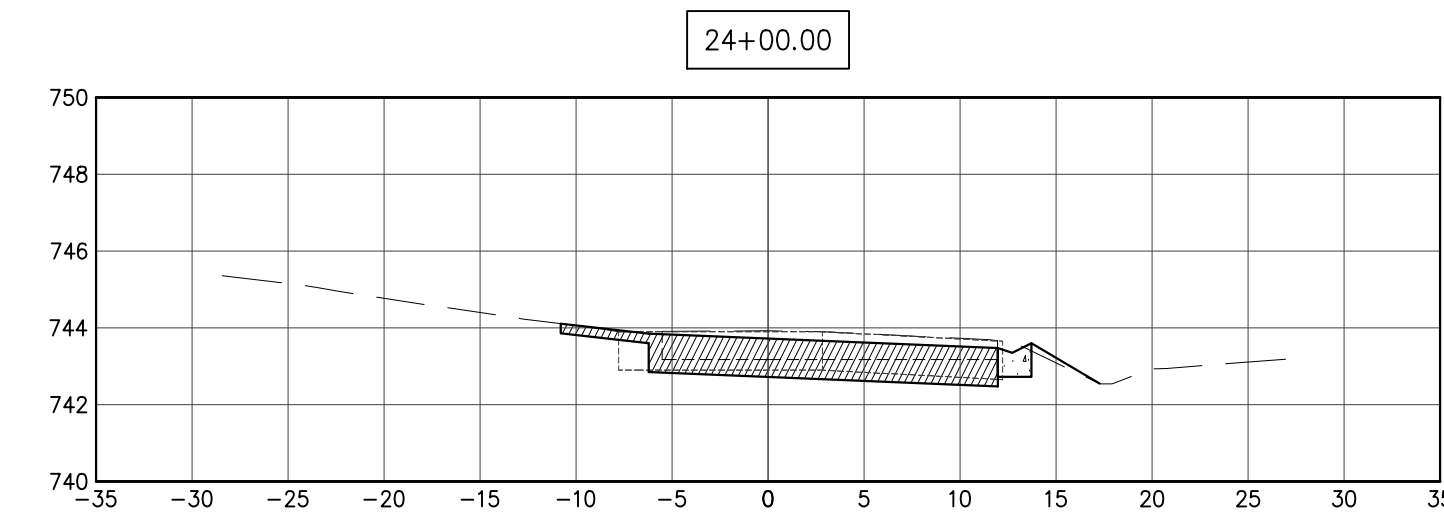
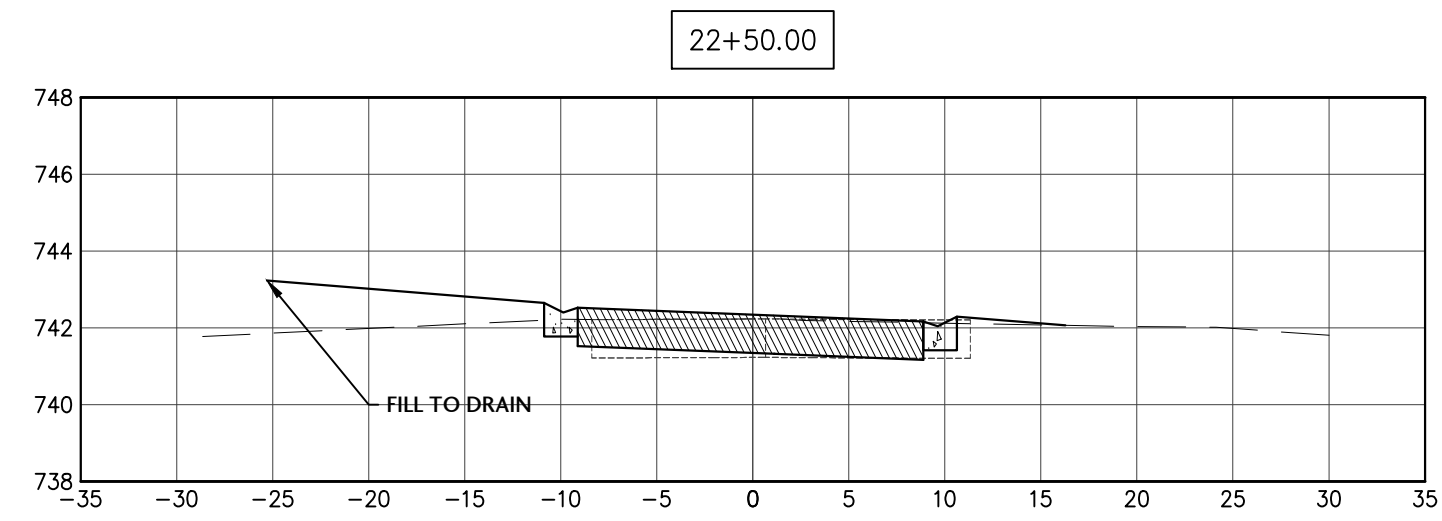
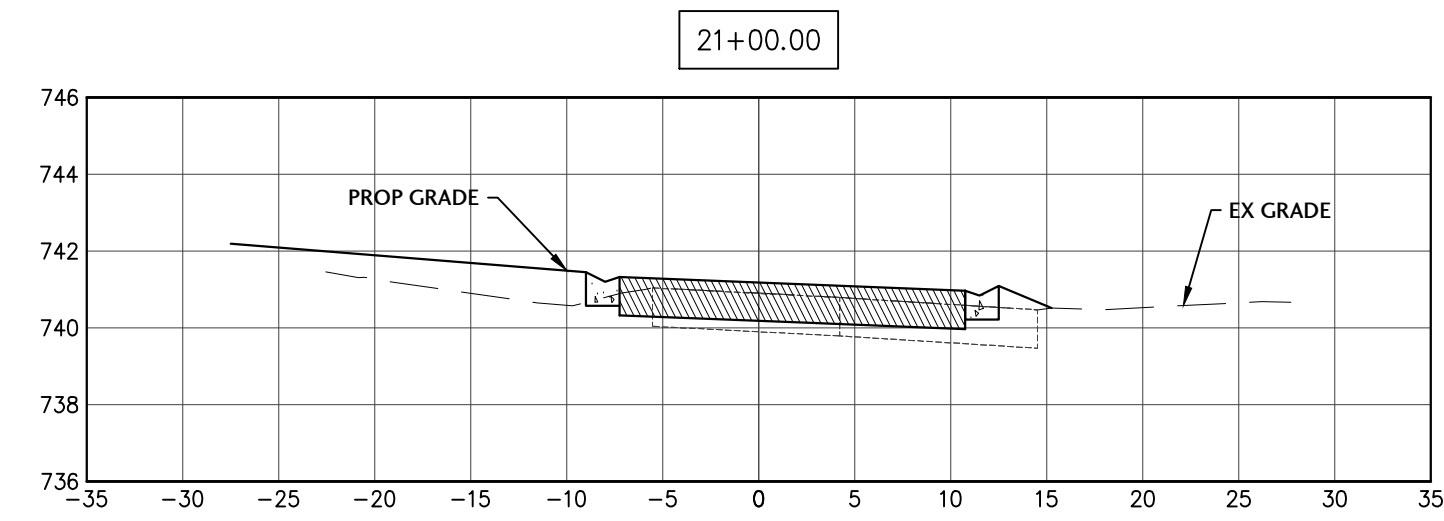
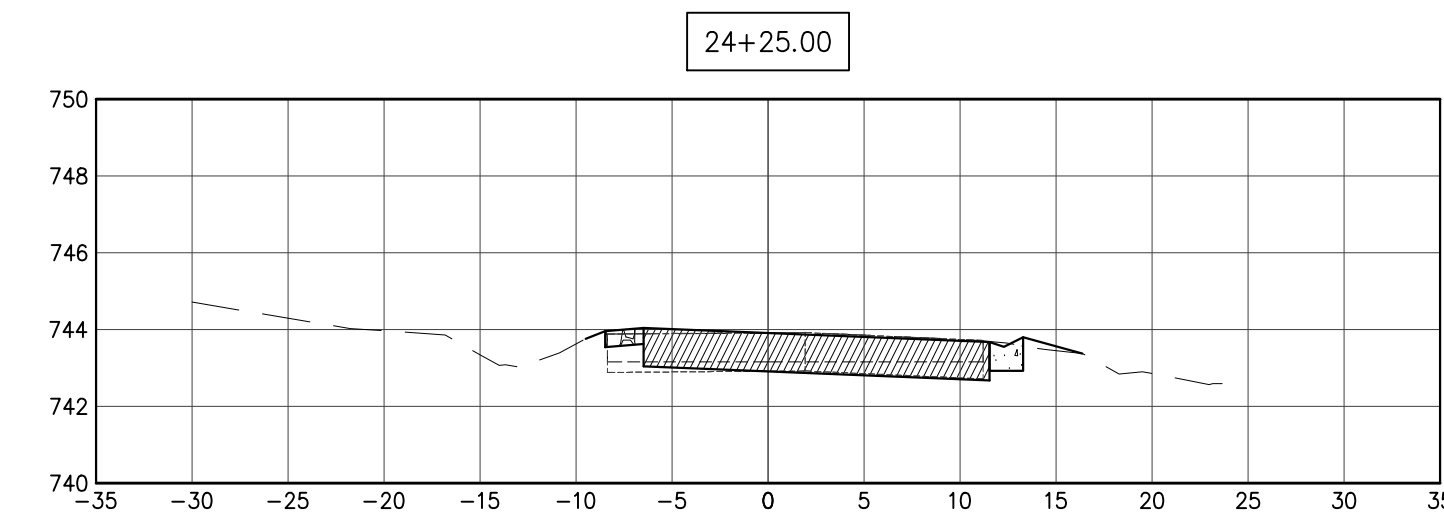
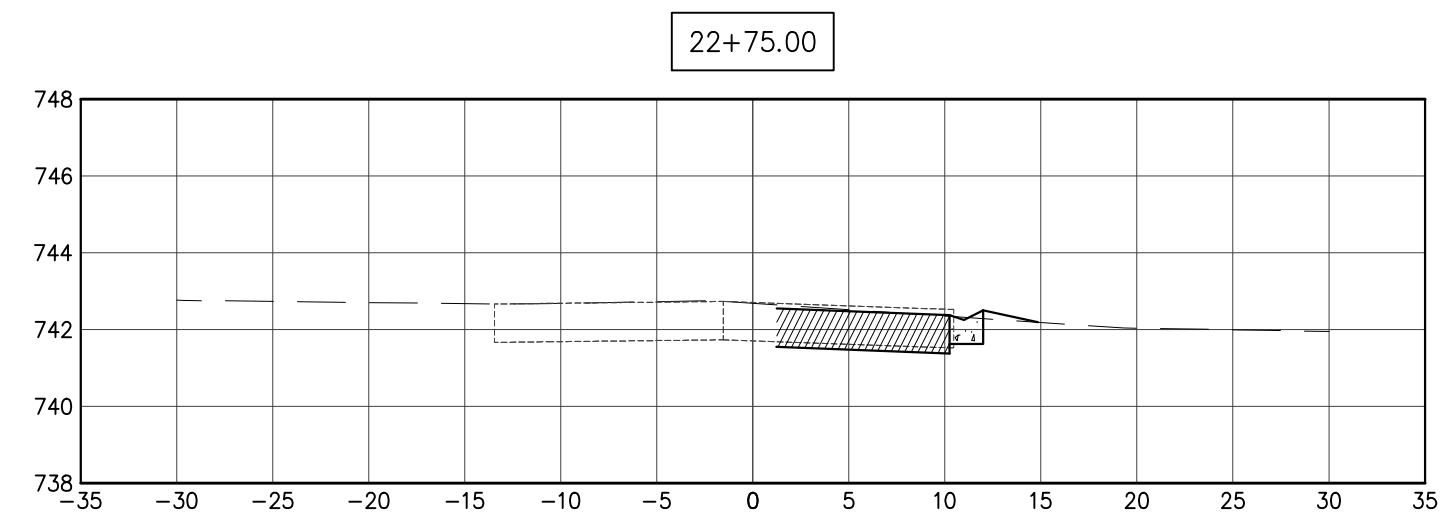
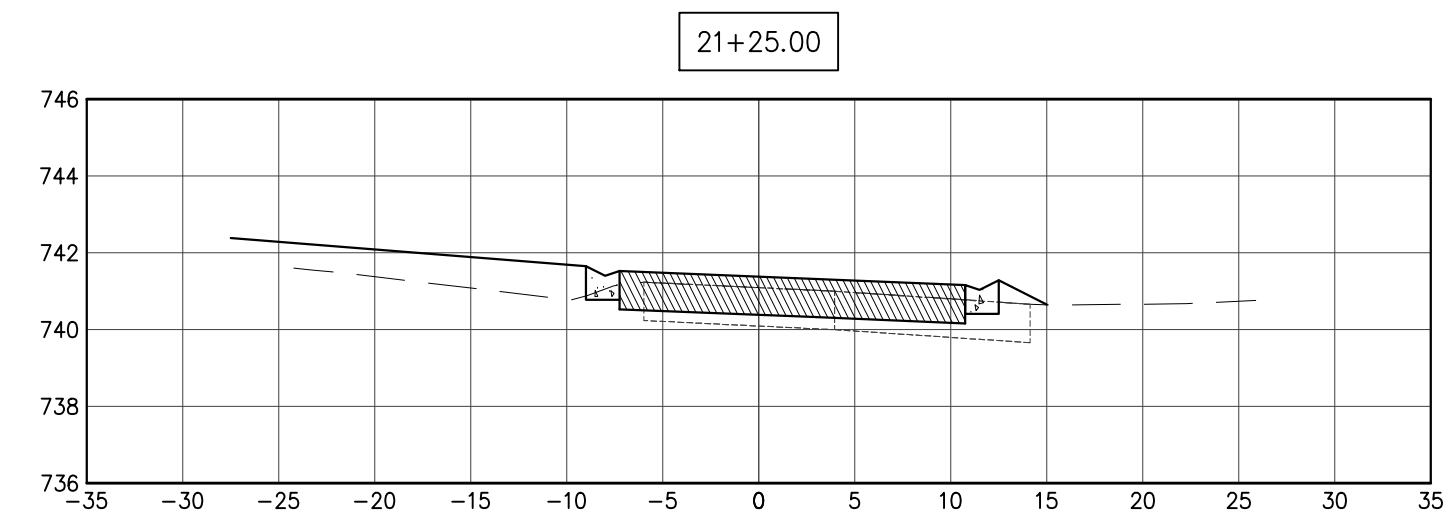
PROJECT NUMBER	NTRD-21020-3
SHEET TITLE	CROSS SECTIONS AREA STEET STA 20+50 - 24+25
SHEET NUMBER	C3.3

PROJECT NUMBER  
NTRD-21020-3

**CROSS SECTIONS  
AREA STEET  
STA 20+50 - 24+25**

SHEET NUMBER

**C3.3**

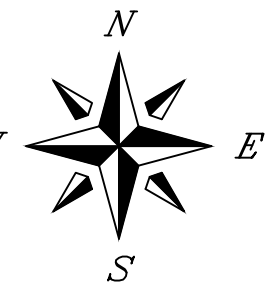




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 5415 BUSINESS PARKWAY  
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 815.728.0068  
 IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
ROAD DIST.**

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
 1" = 10' H 1" = 5' V

ISSUE DATE  
 03/27/2024

PROJECT MANAGER  
 JEC

DESIGNER  
 LRT

QUALITY CONTROL  
 MAM

**PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS**

NO.	DATE	DESCRIPTION
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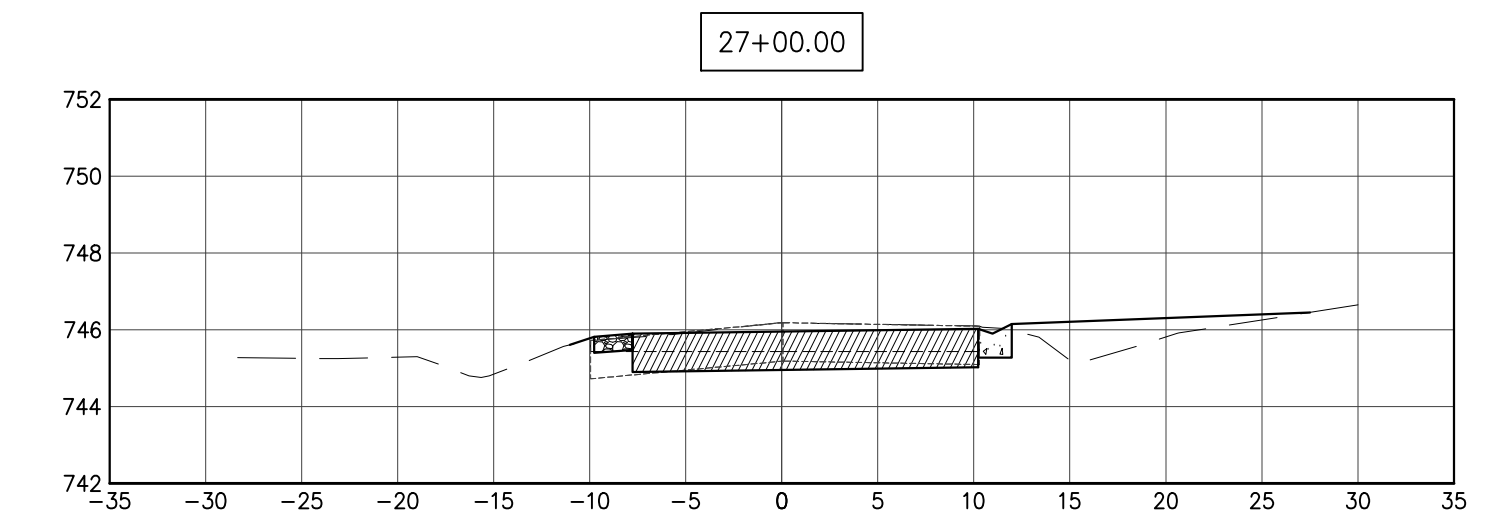
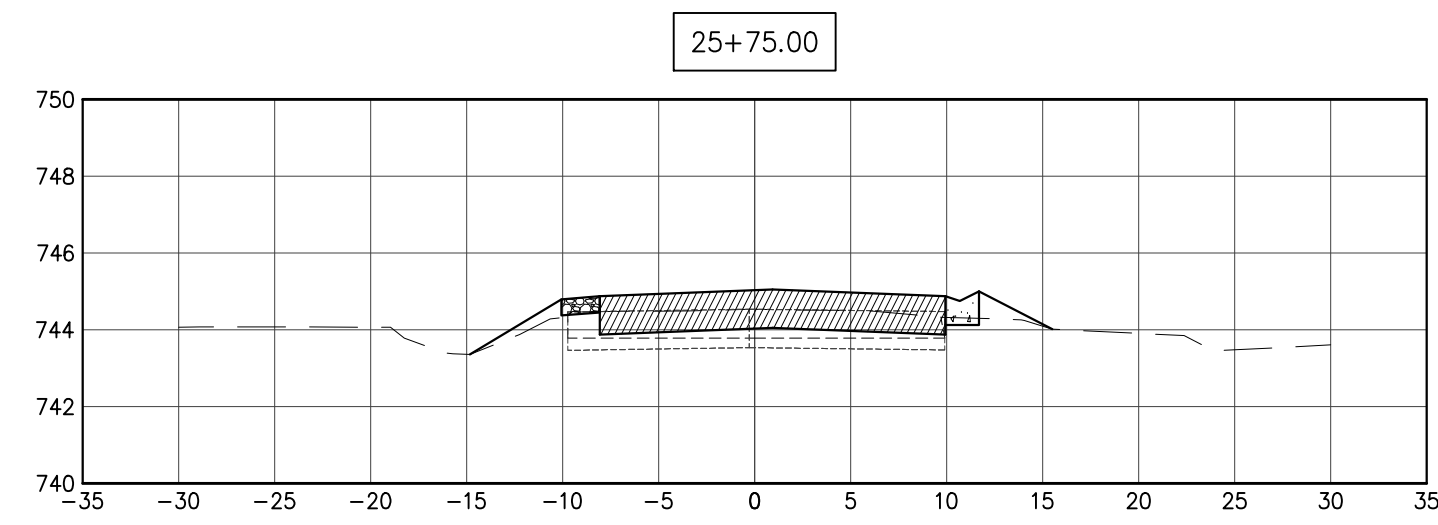
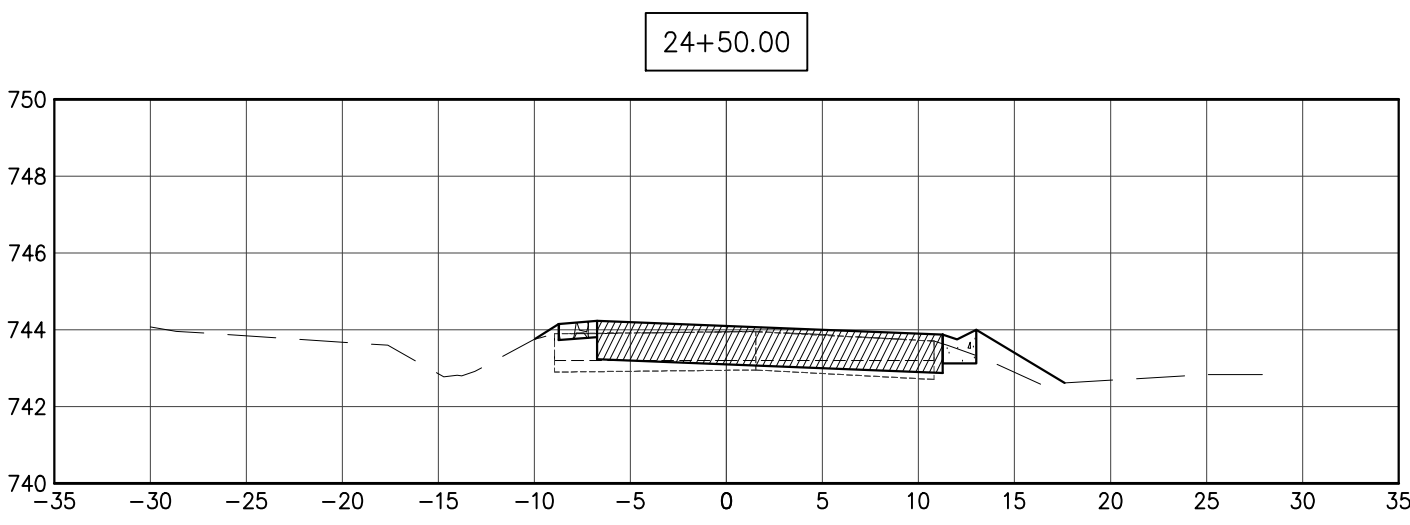
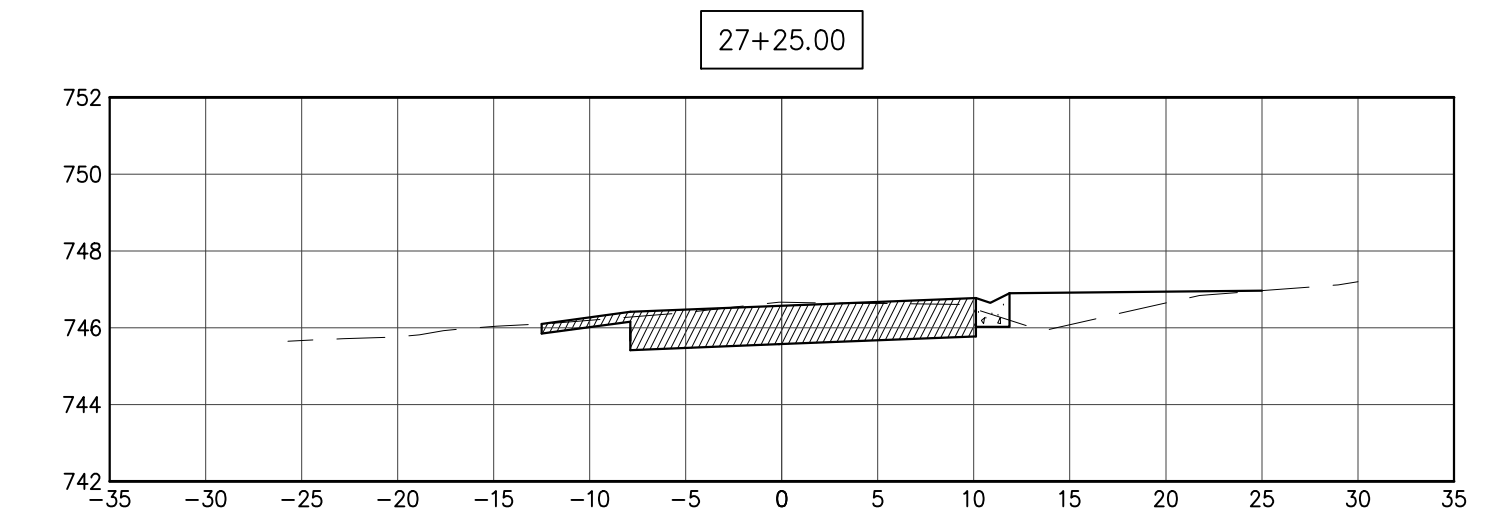
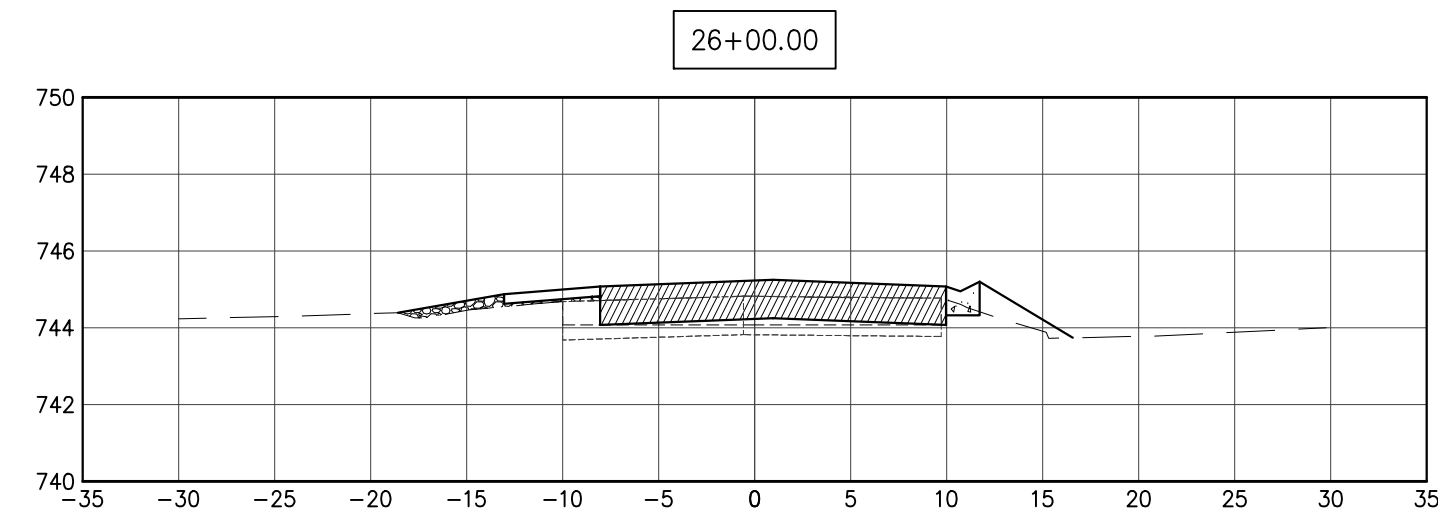
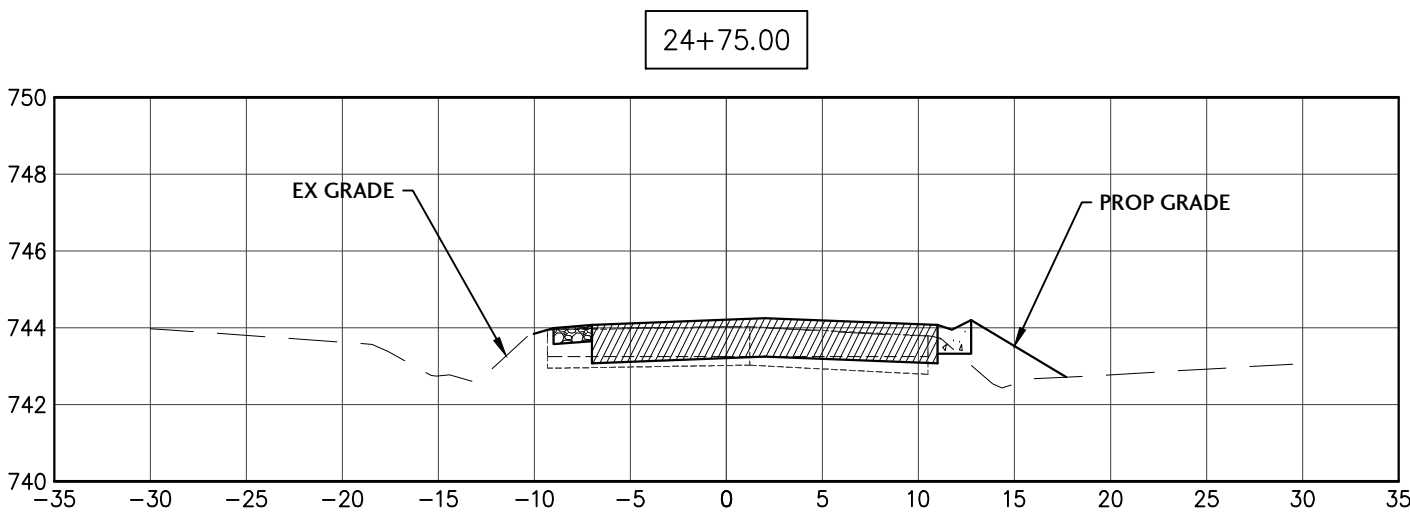
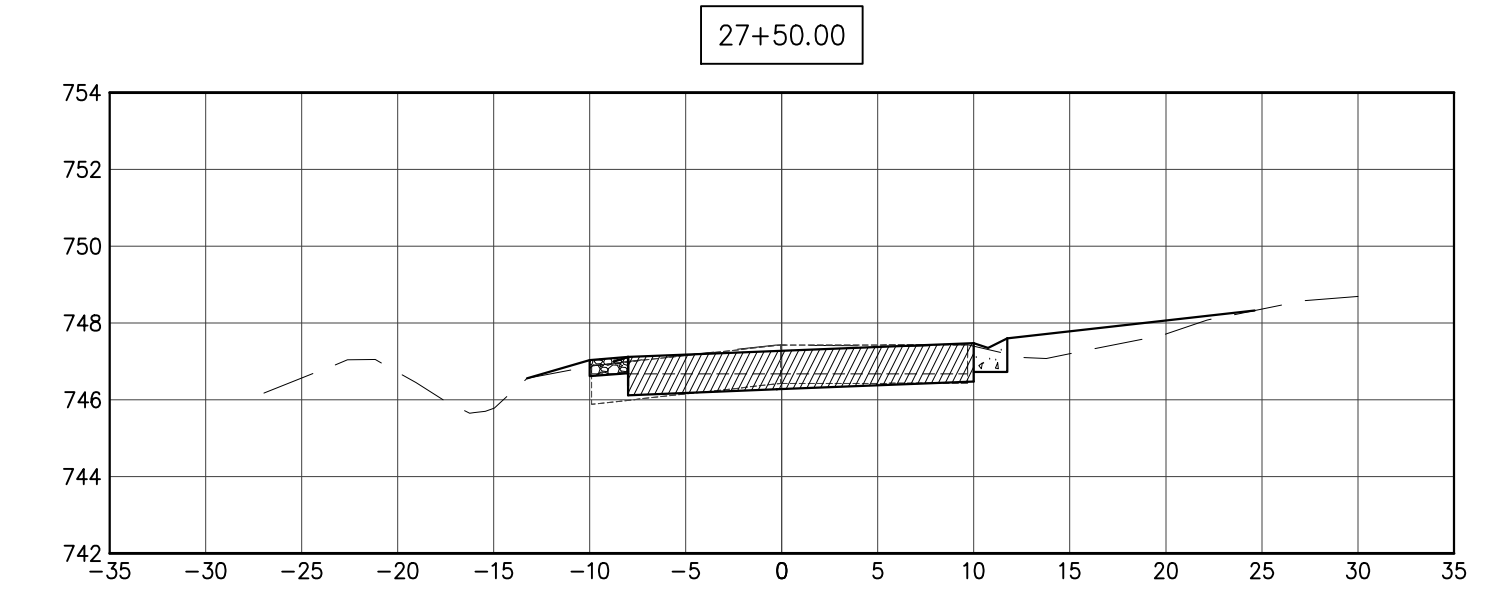
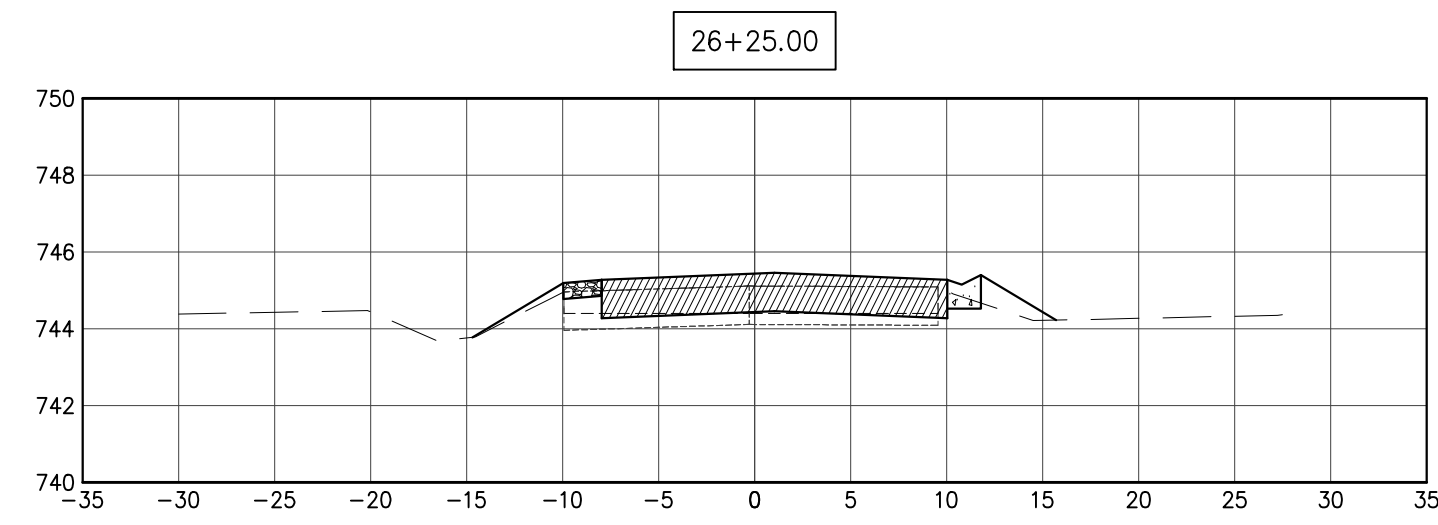
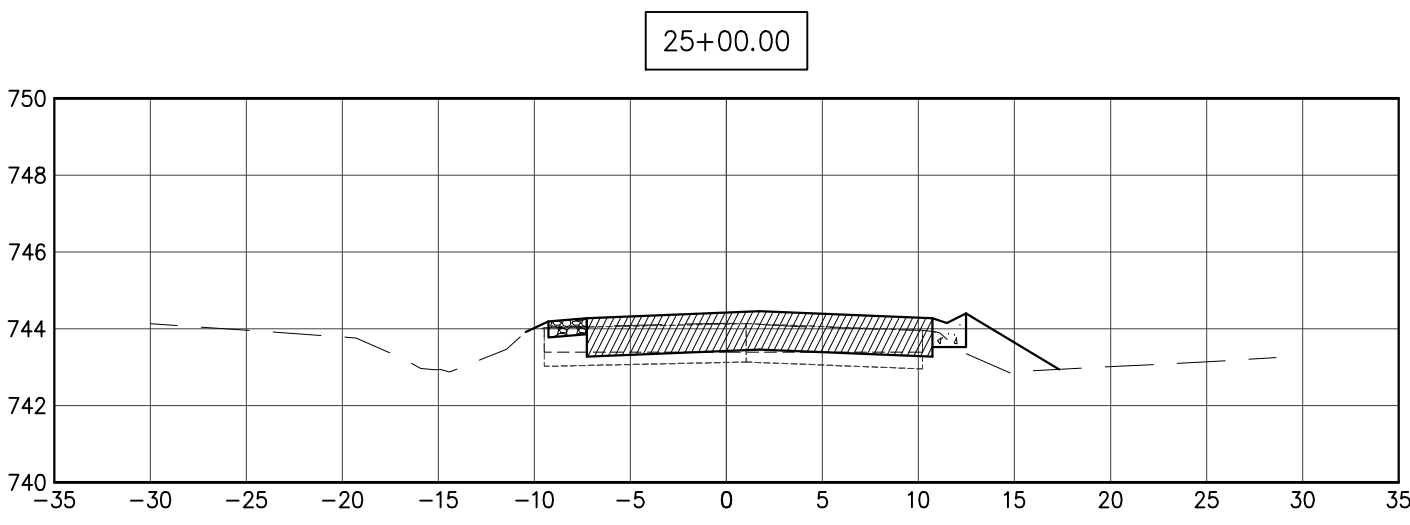
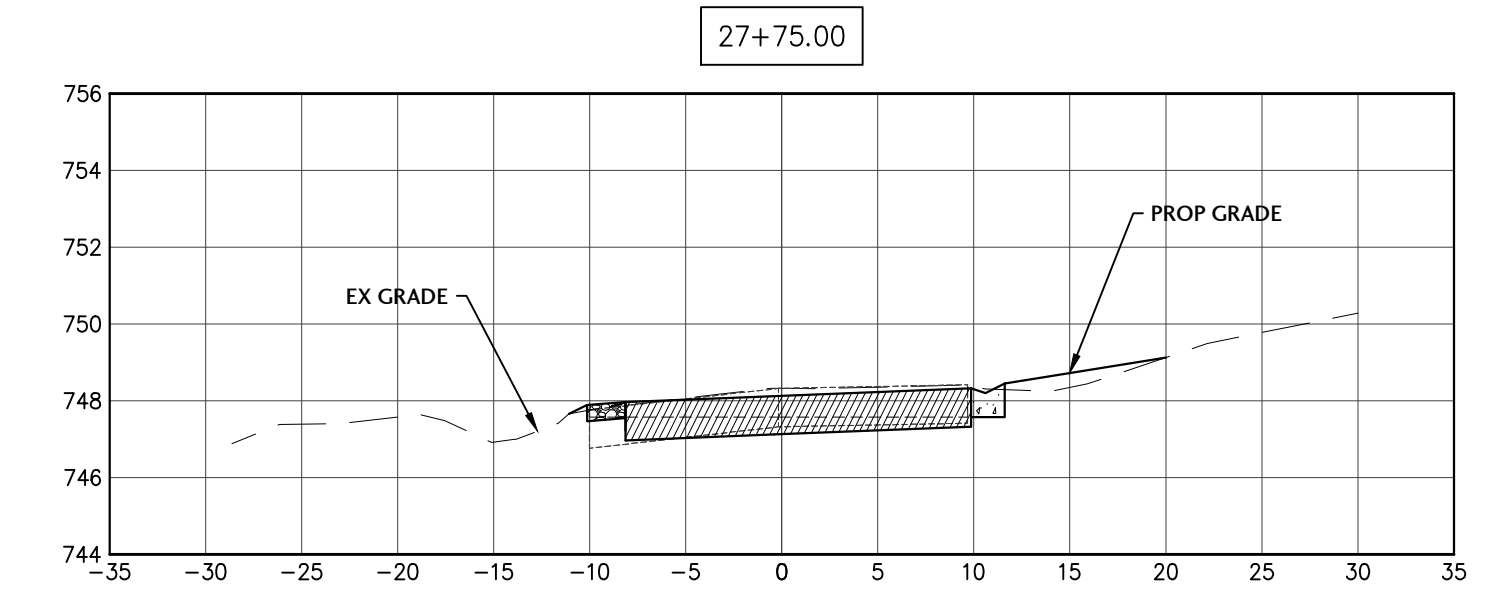
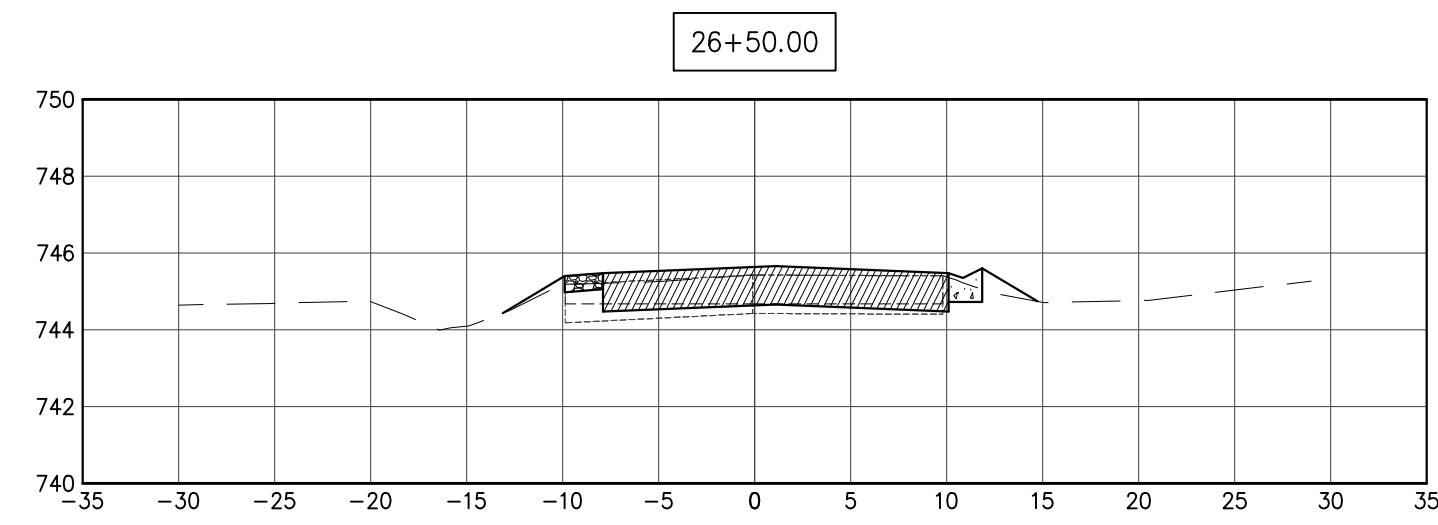
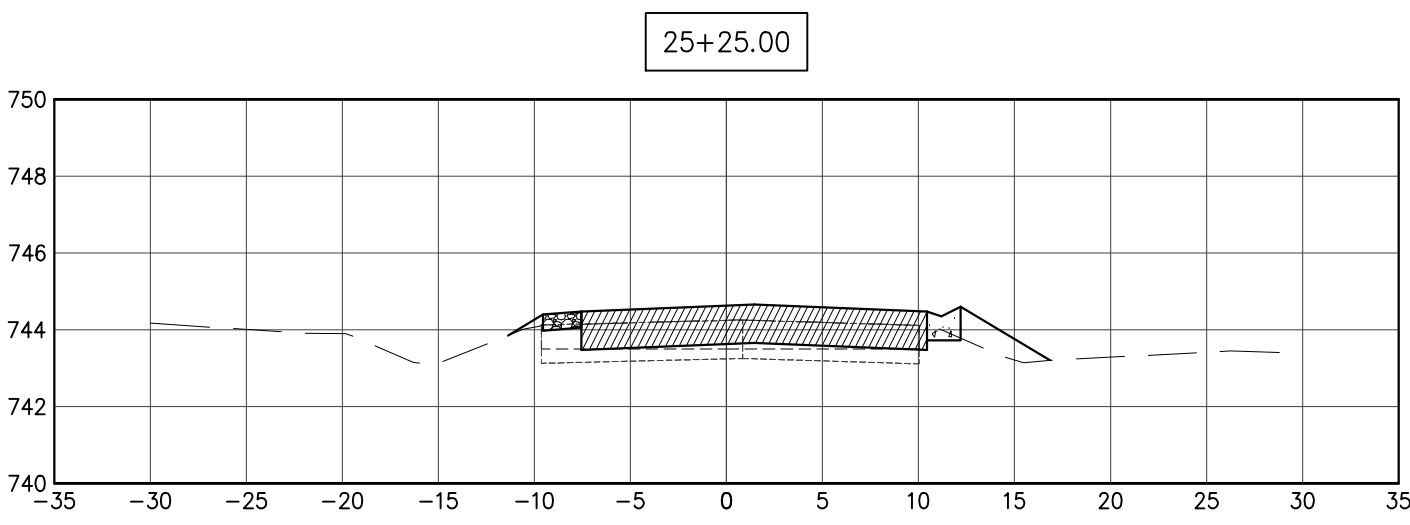
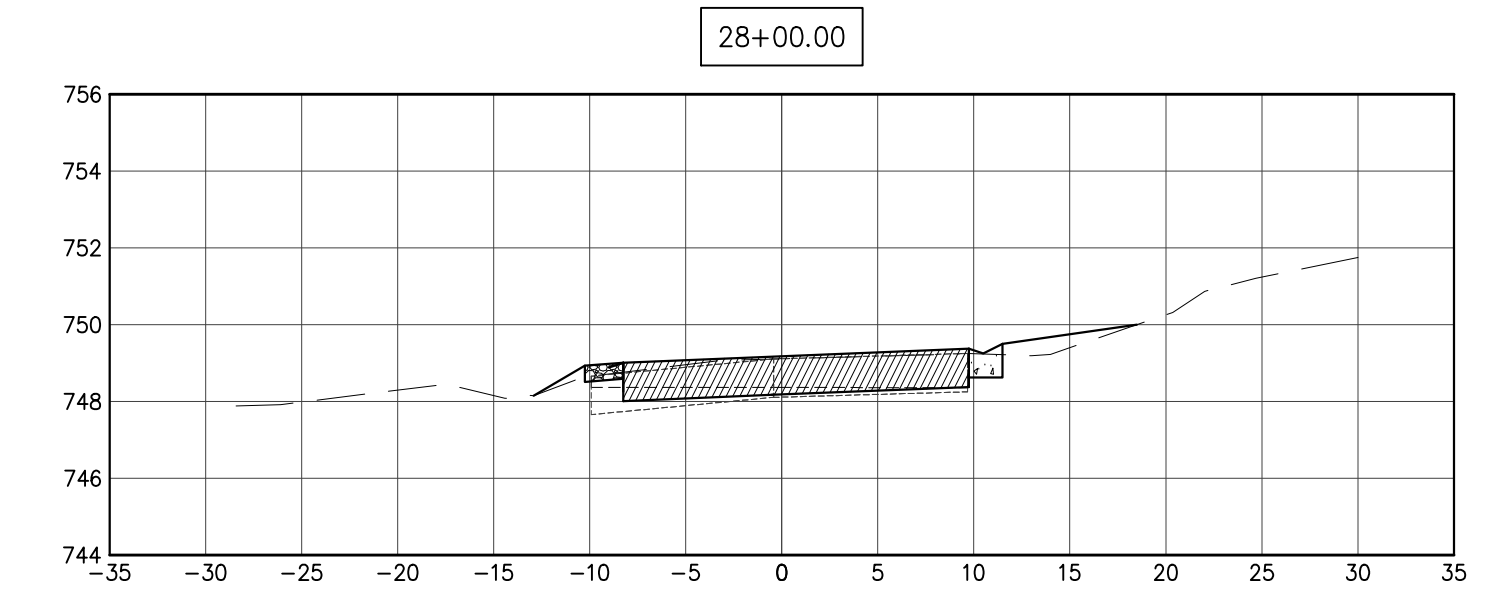
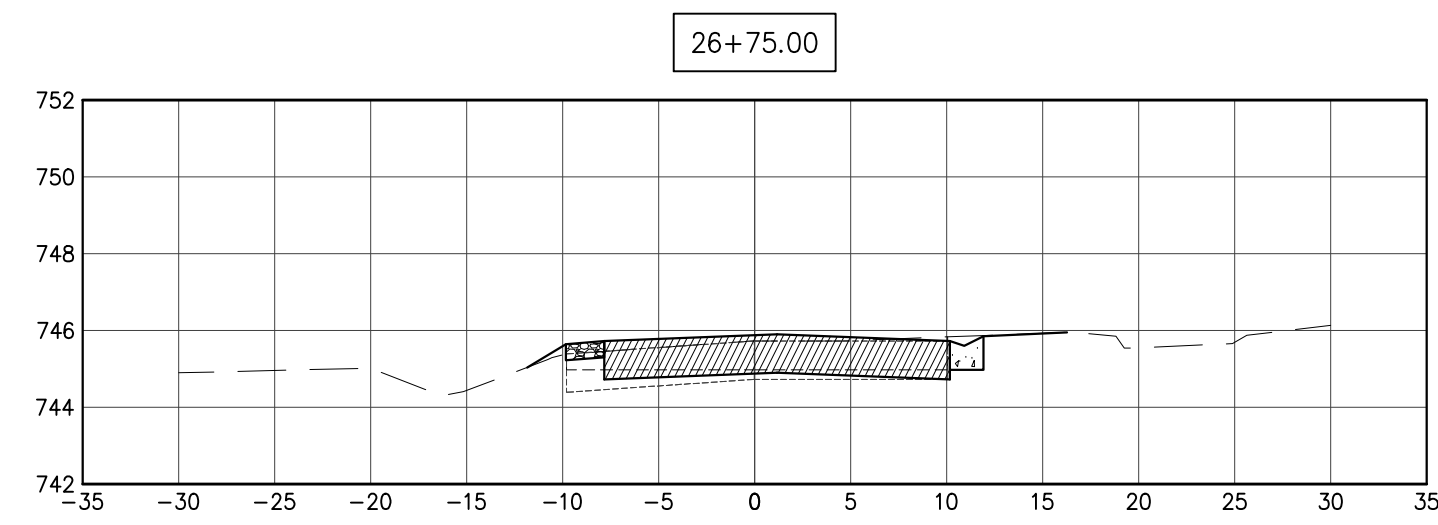
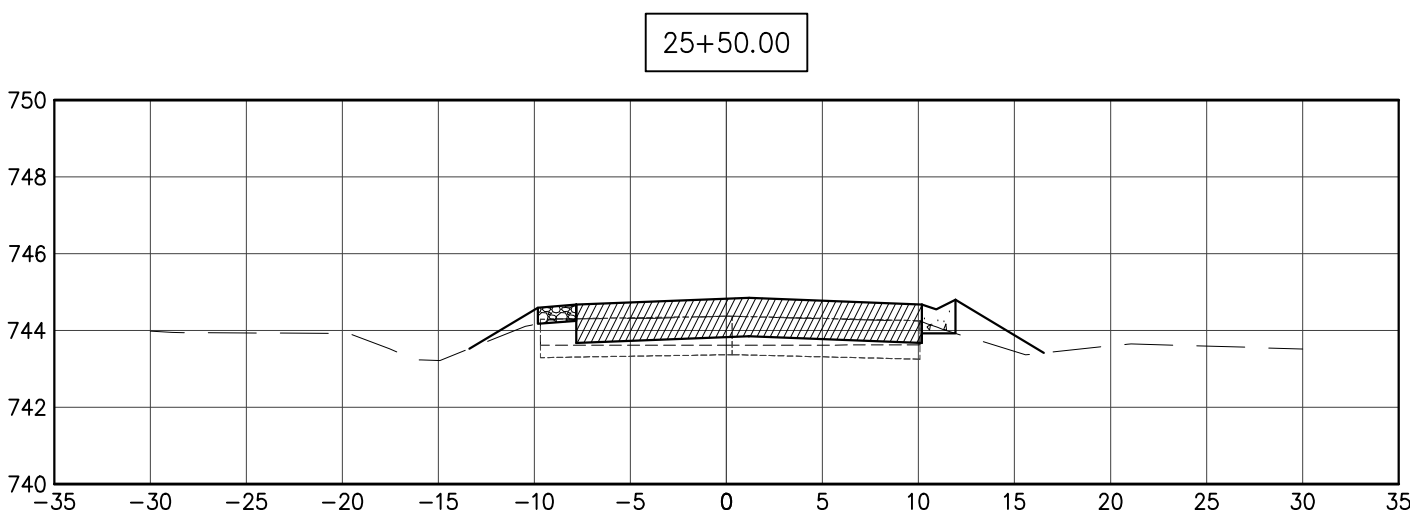
PROJECT NUMBER	NTDR-21020-3
SHEET TITLE	CROSS SECTIONS AREA STREET STA 24+50 - 28+00
SHEET NUMBER	C3.4

PROJECT NUMBER  
NTDR-21020-3

SHEET TITLE  
CROSS SECTIONS  
AREA STREET  
STA 24+50 - 28+00

SHEET NUMBER

C3.4



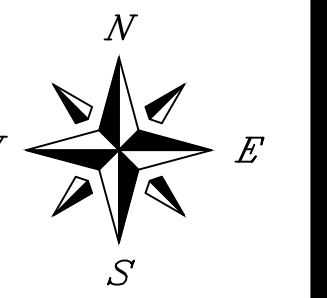


J. CONDON & ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 5415 BUSINESS PARKWAY  
 RINGWOOD, ILLINOIS 60072  
 815.728.0068

IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
ROAD DIST.**

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
 1" = 10' H 1" = 5' V

ISSUE DATE  
 03/27/2024

PROJECT MANAGER  
 JEC

DESIGNER  
 LRT

QUALITY CONTROL  
 MAM

**PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS**

NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

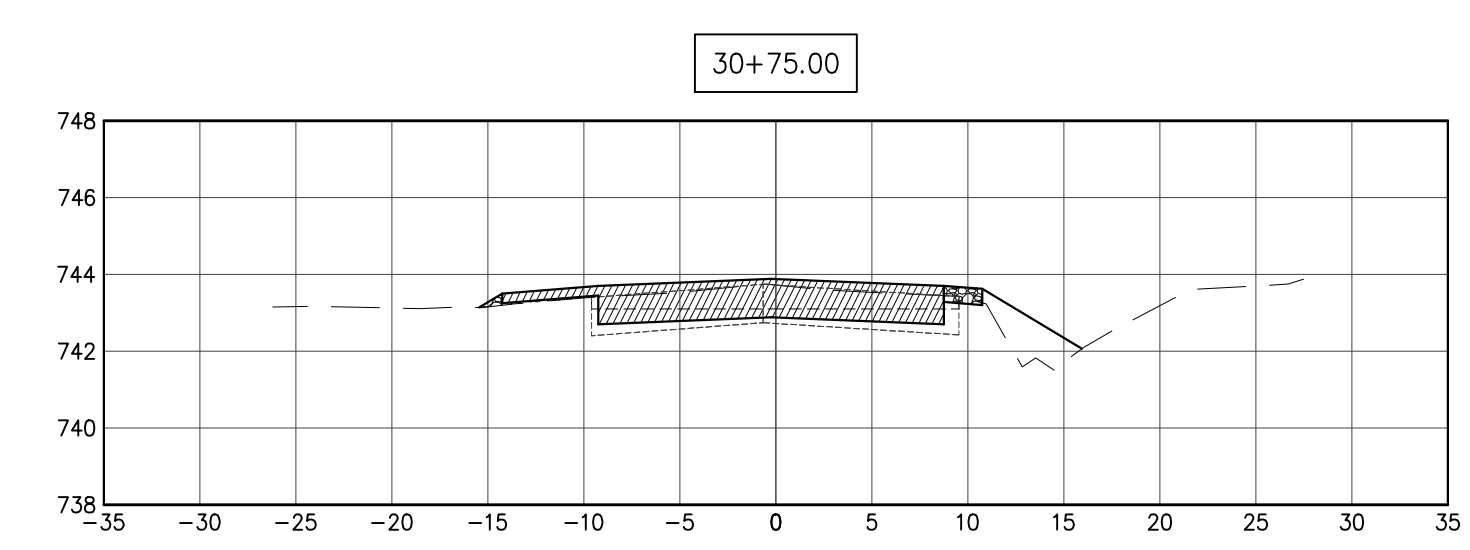
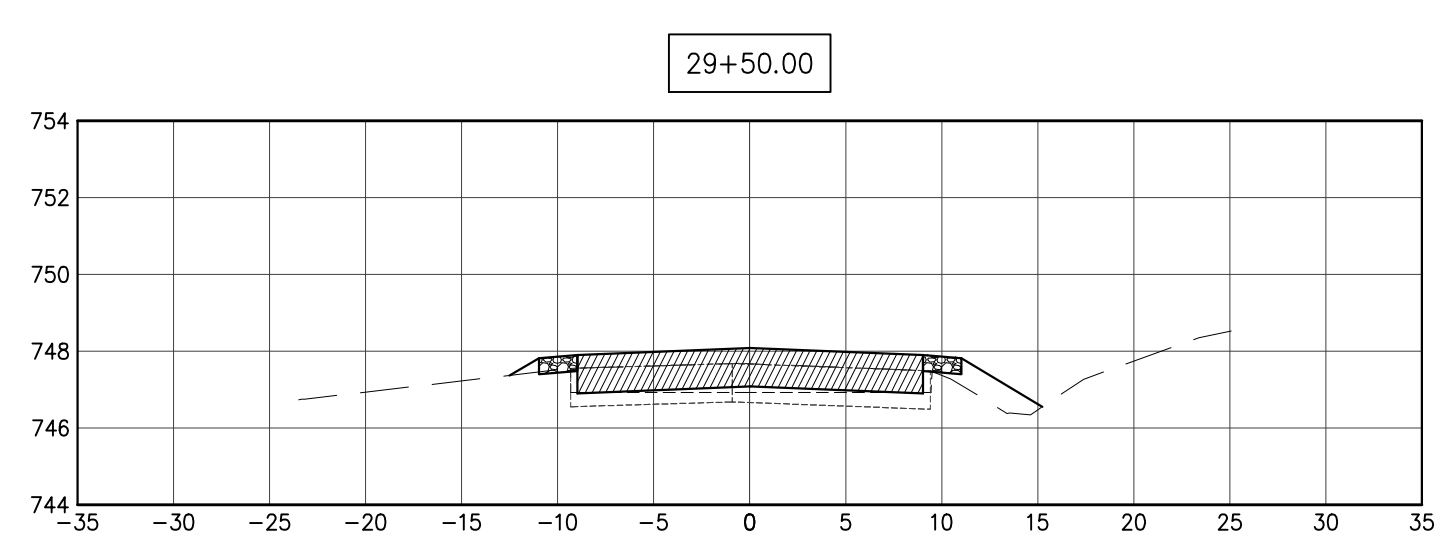
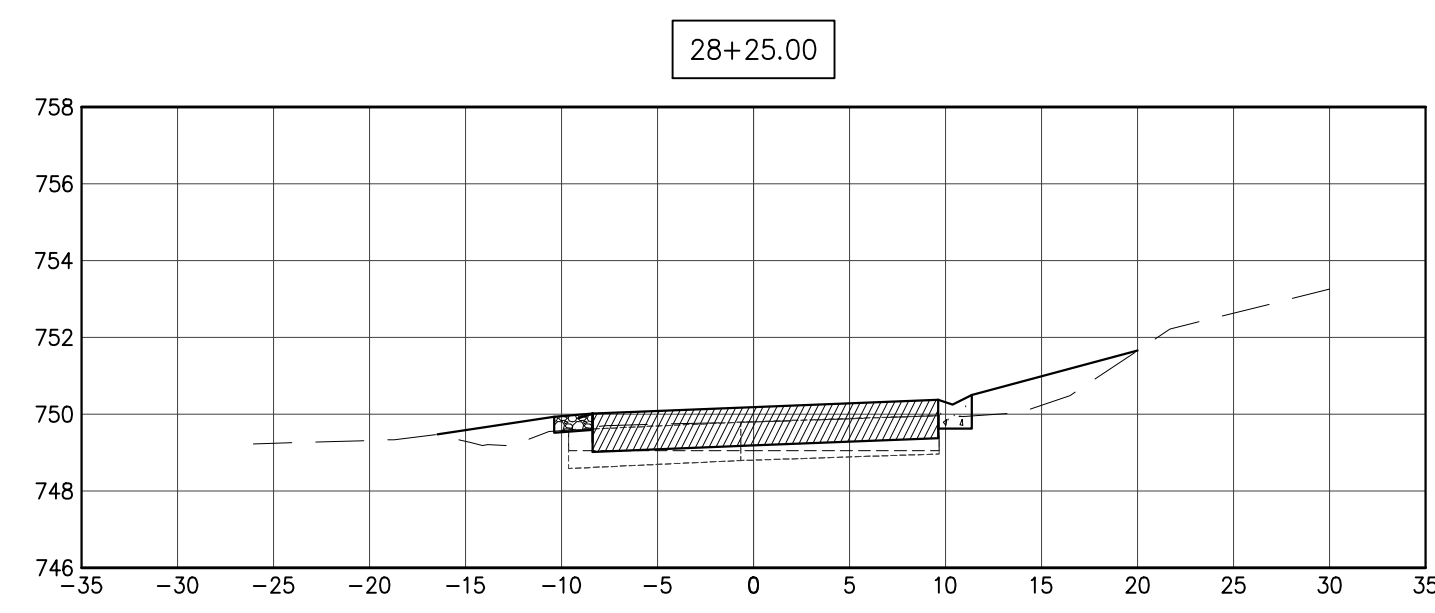
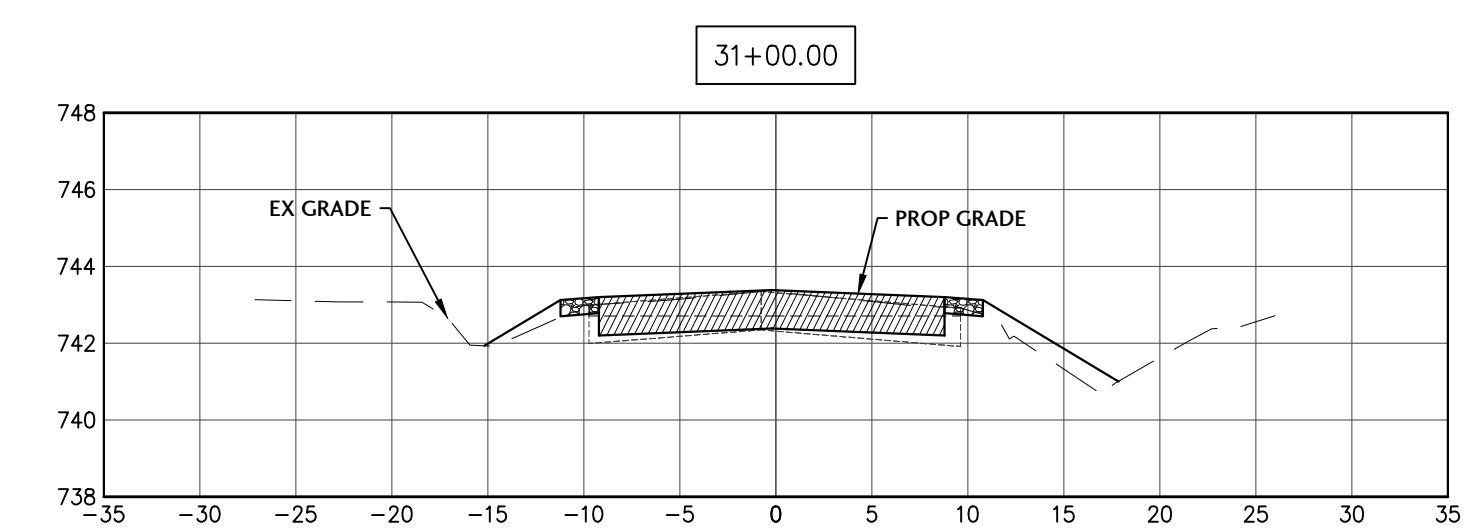
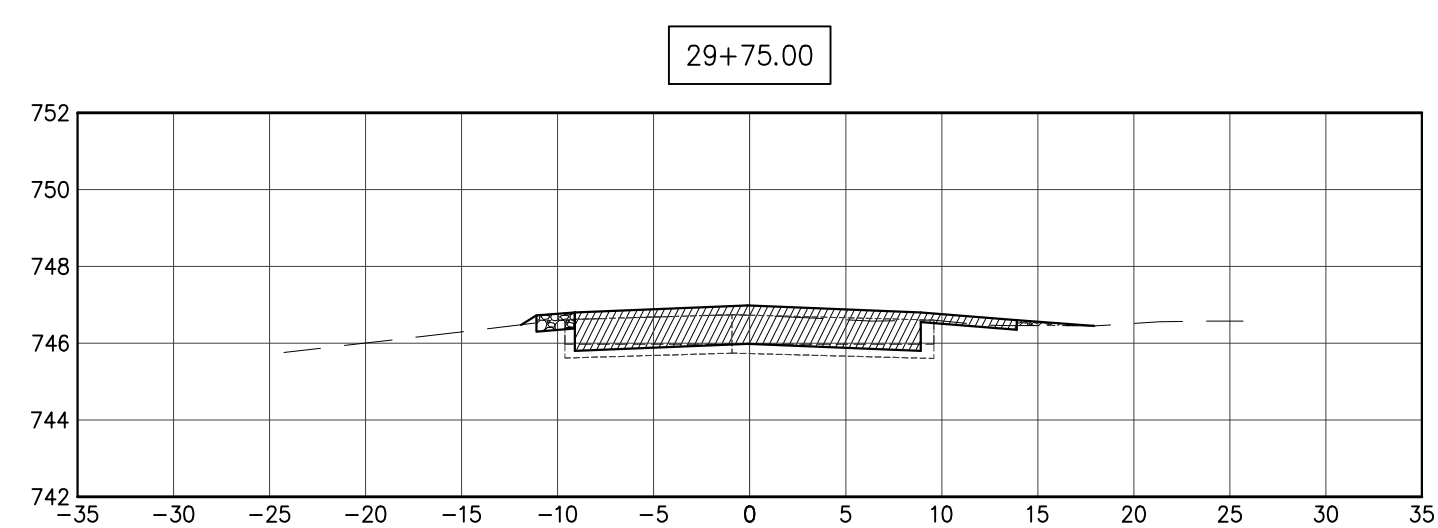
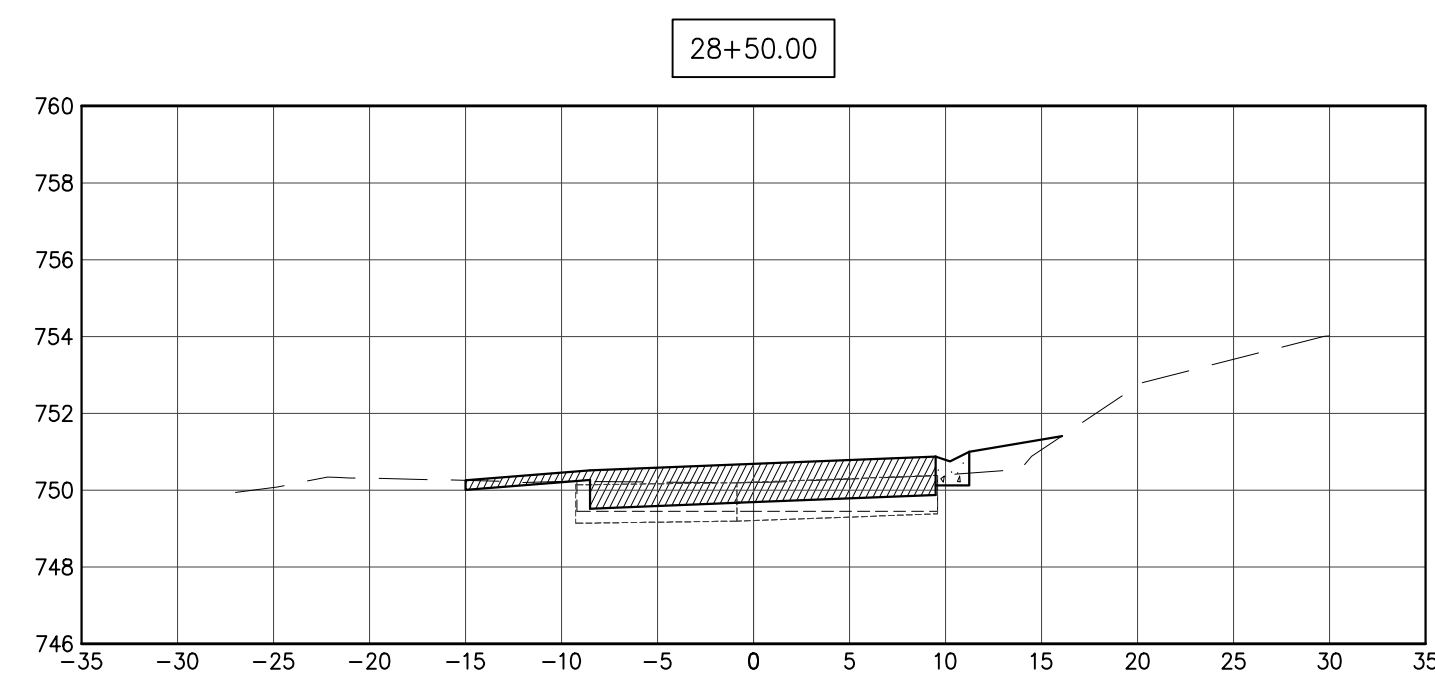
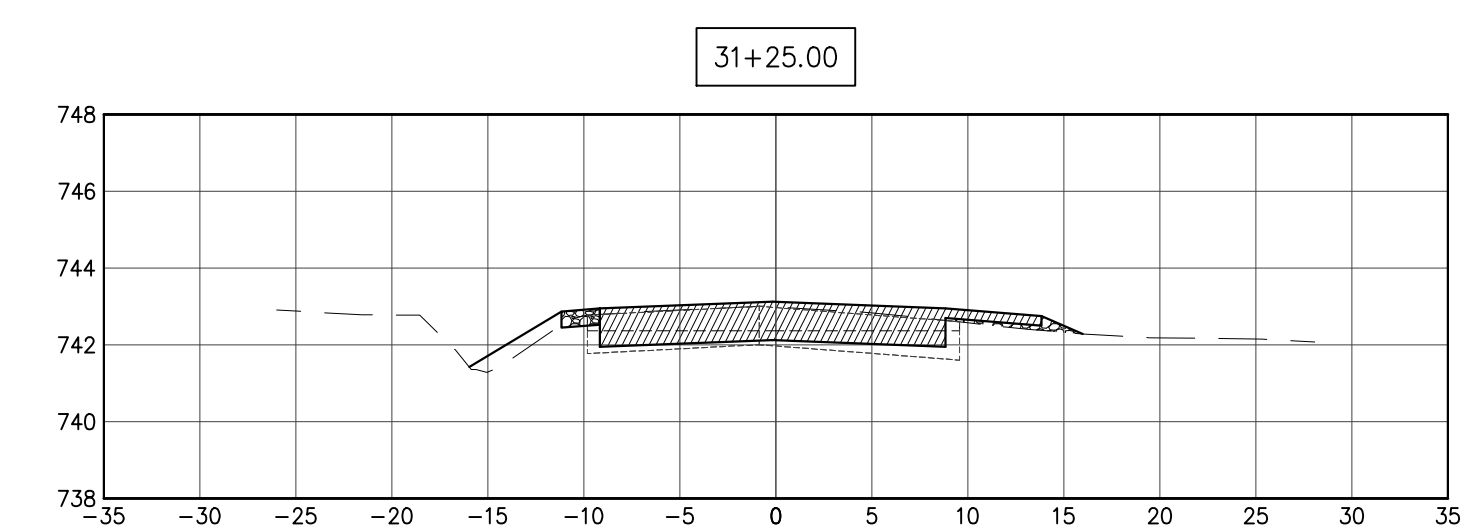
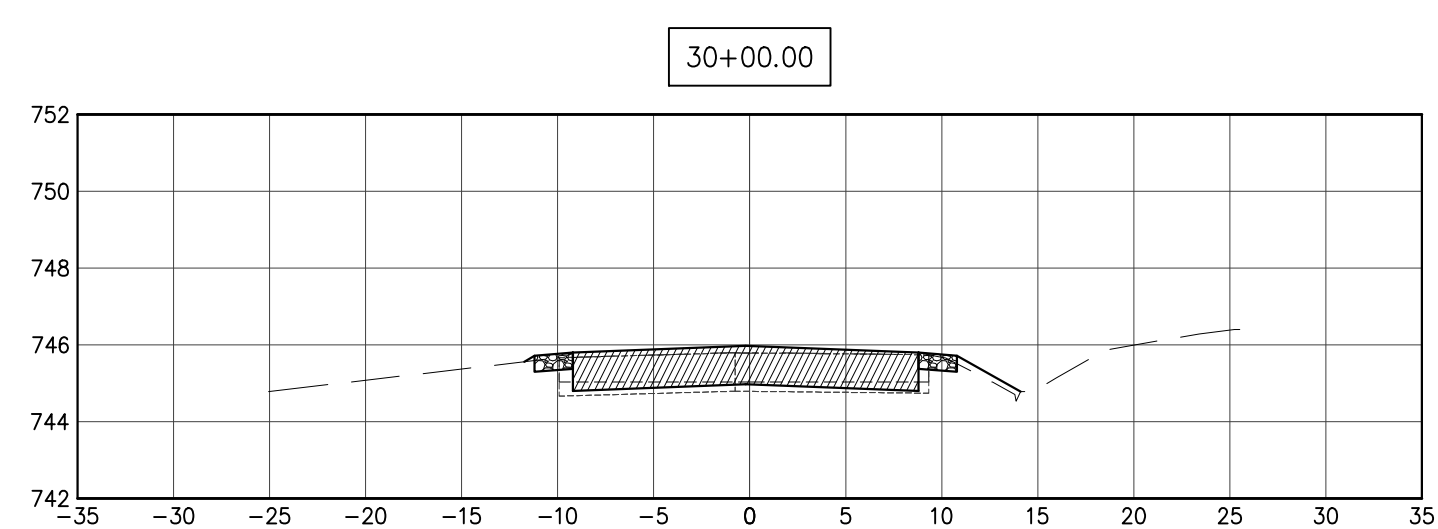
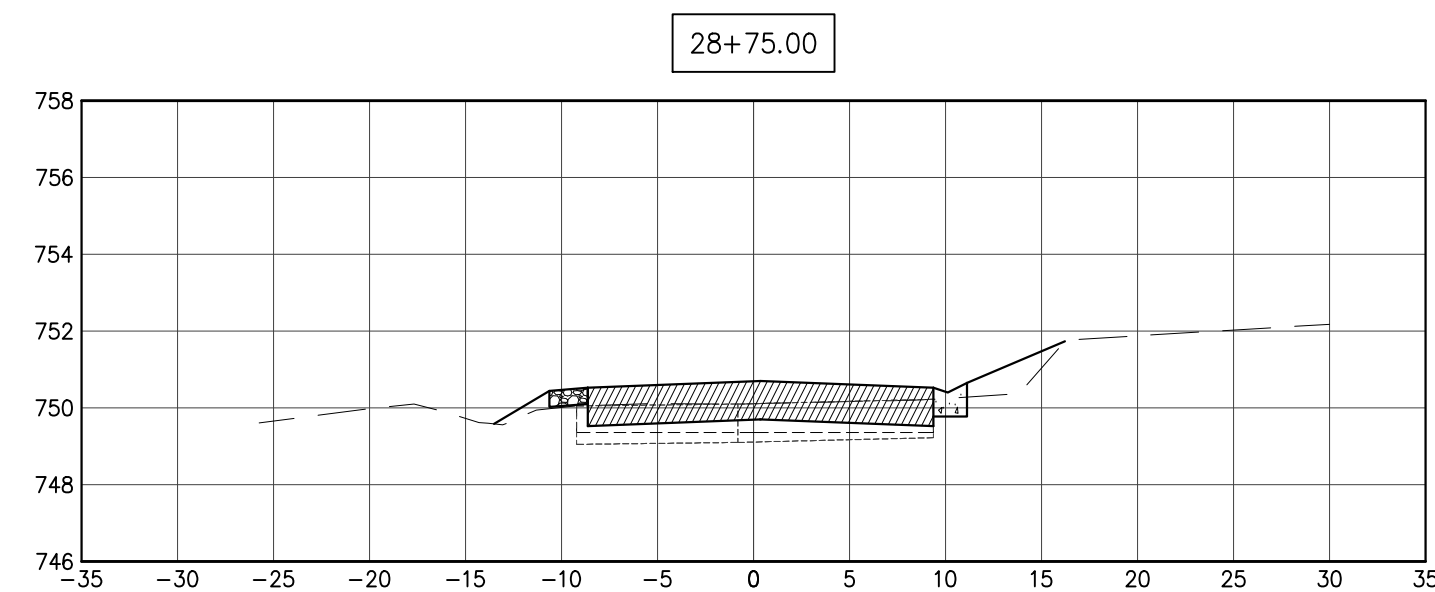
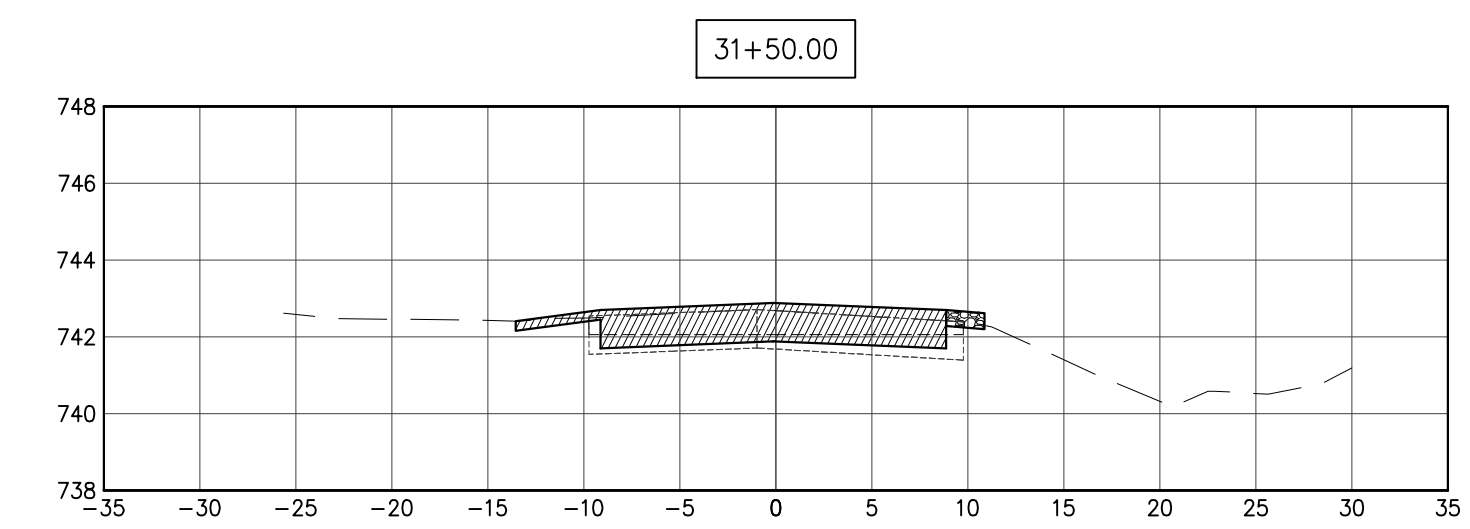
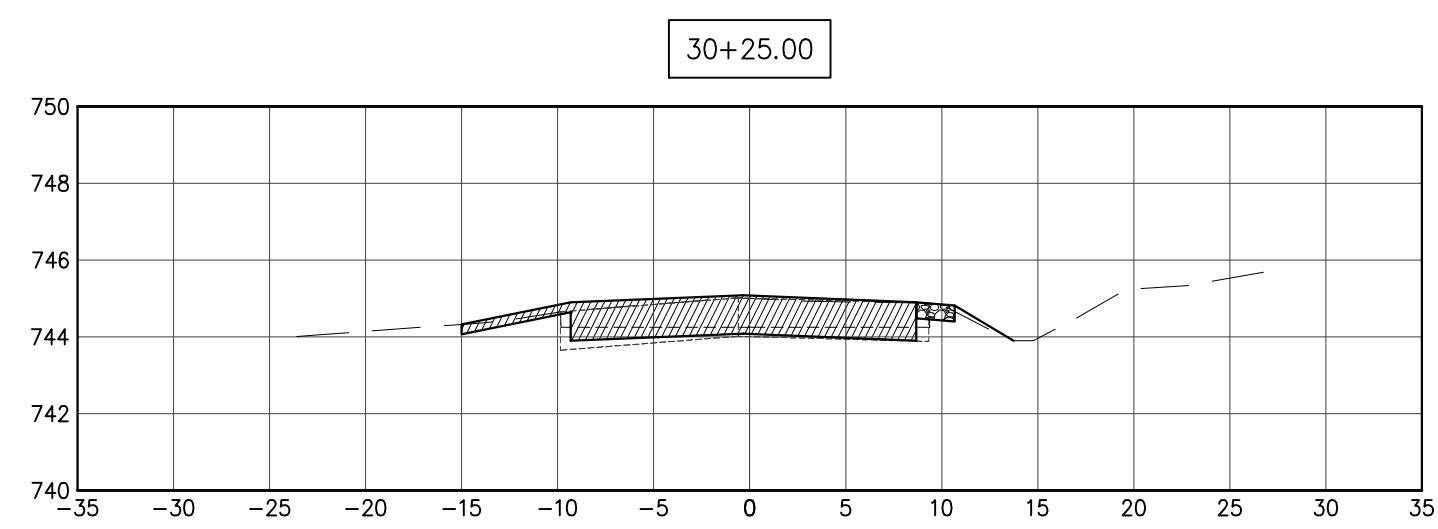
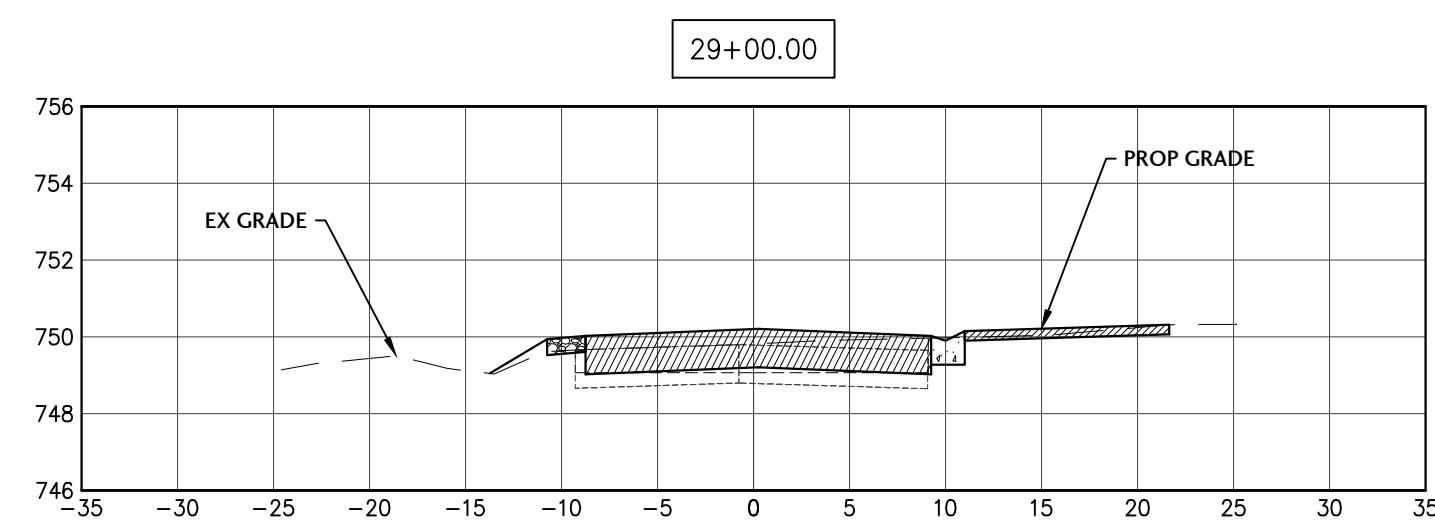
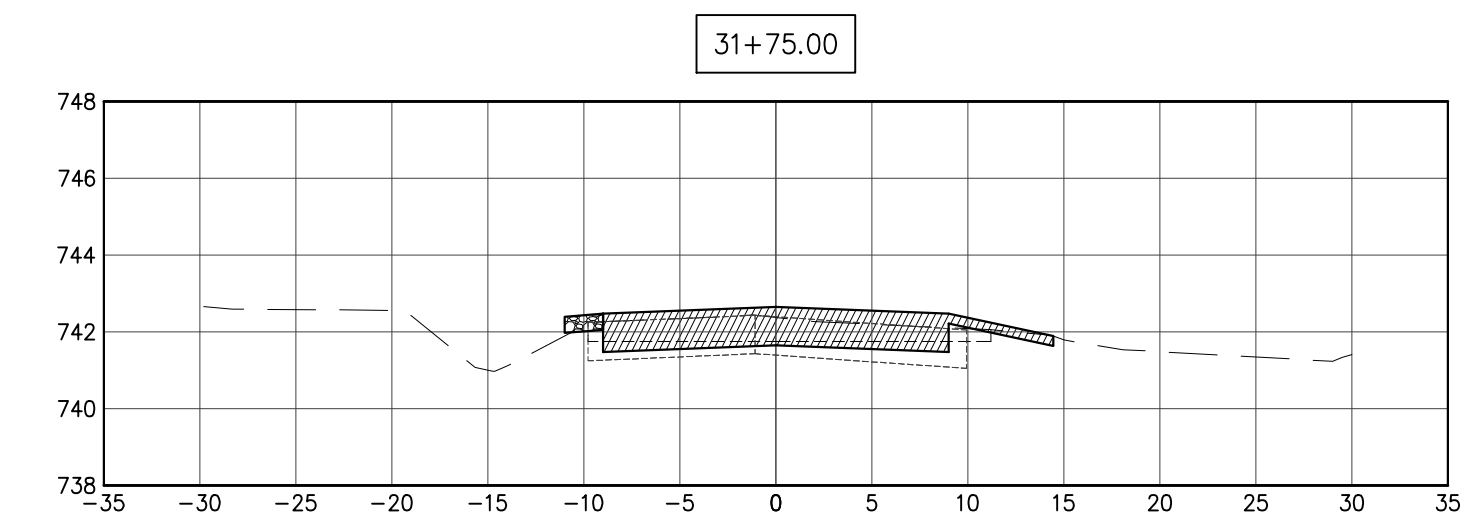
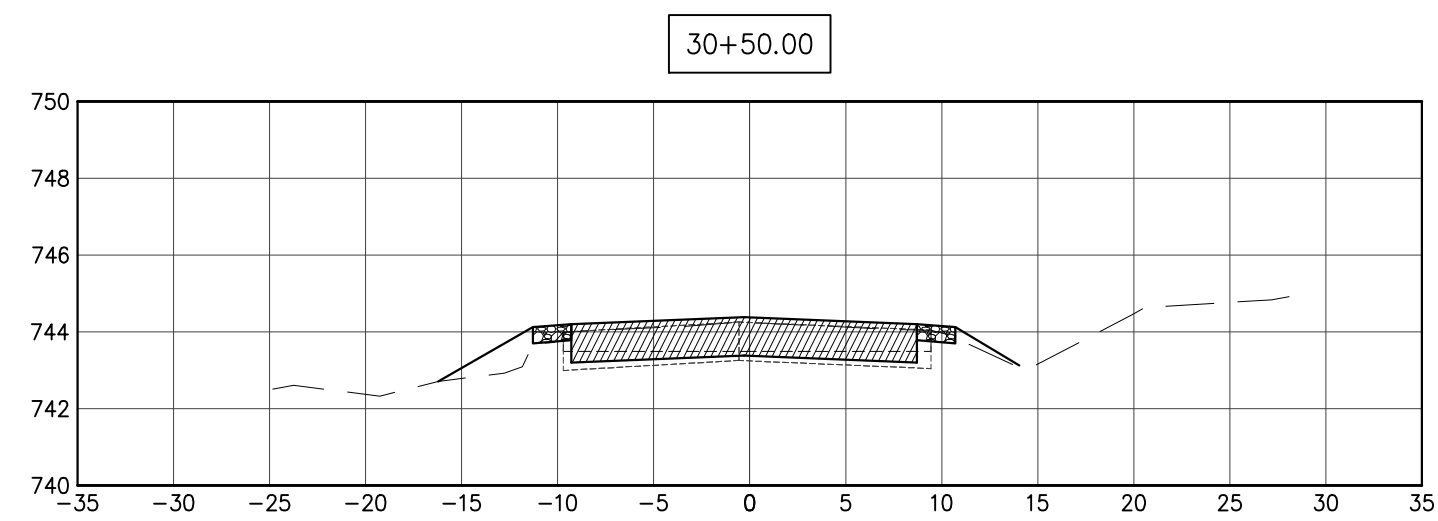
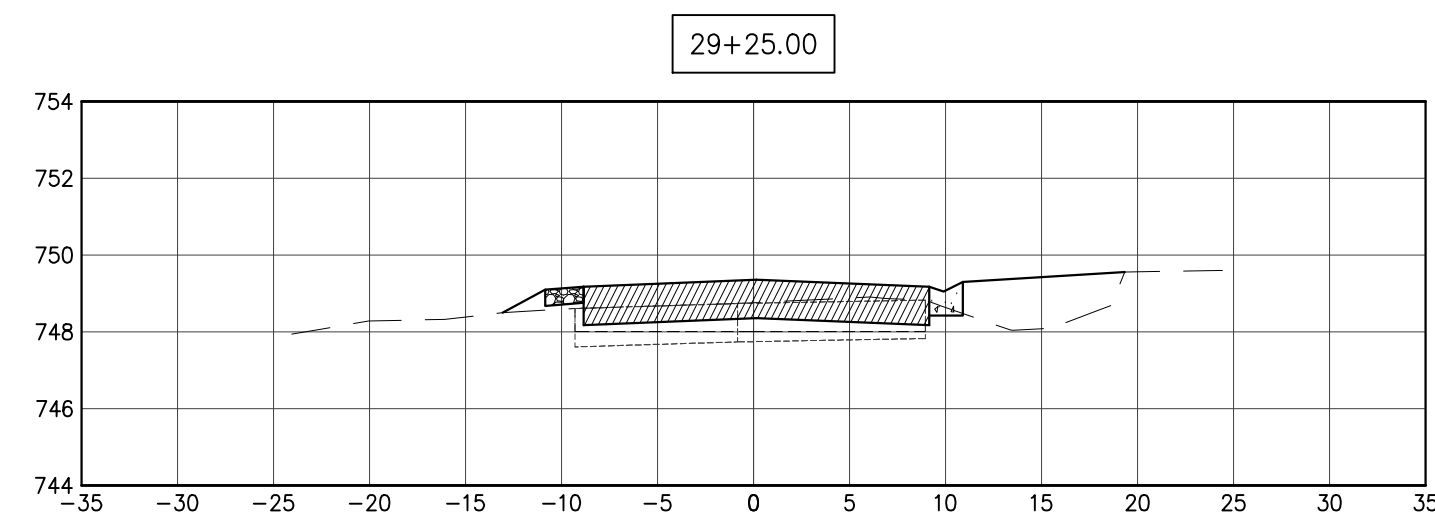
PROJECT NUMBER  
 NTRD-21020-3

SHEET TITLE  
**CROSS SECTIONS  
AREA STEET  
STA 28+25 - 31+75**

SHEET NUMBER

**C3.5**

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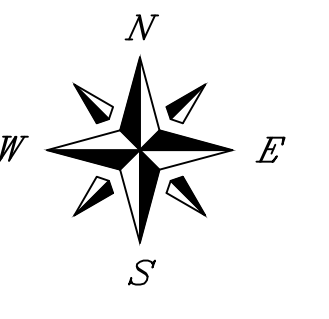




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CONSULTING ENGINEERS  
5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
815.728.0068  
IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
ROAD DIST.**

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
1" = 10' H 1" = 5' V

ISSUE DATE  
03/27/2024

PROJECT MANAGER  
JEC

DESIGNER  
LRT

QUALITY CONTROL  
MAM

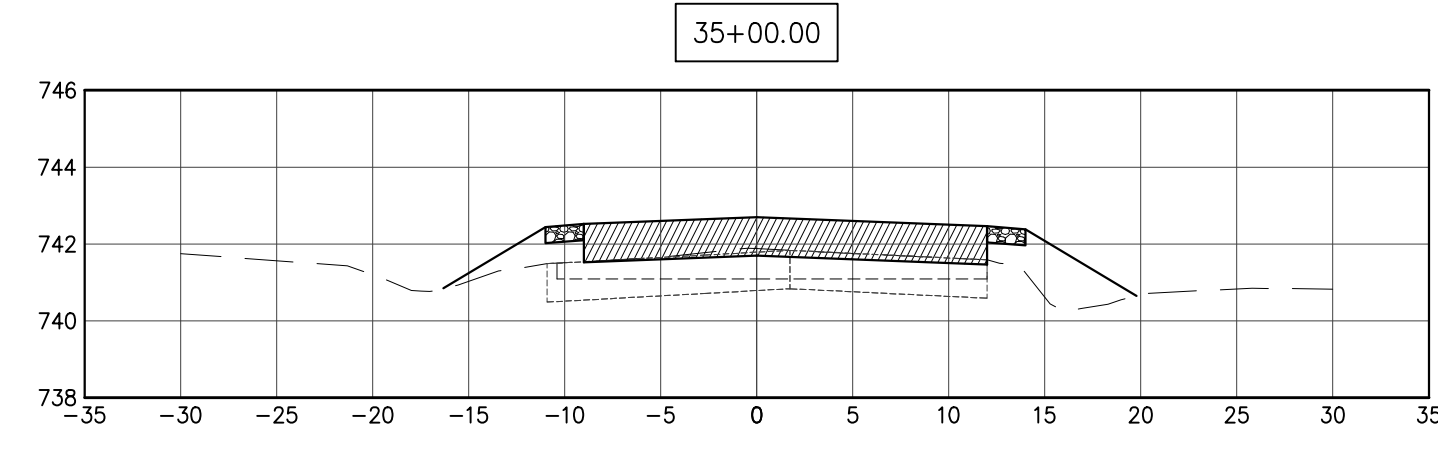
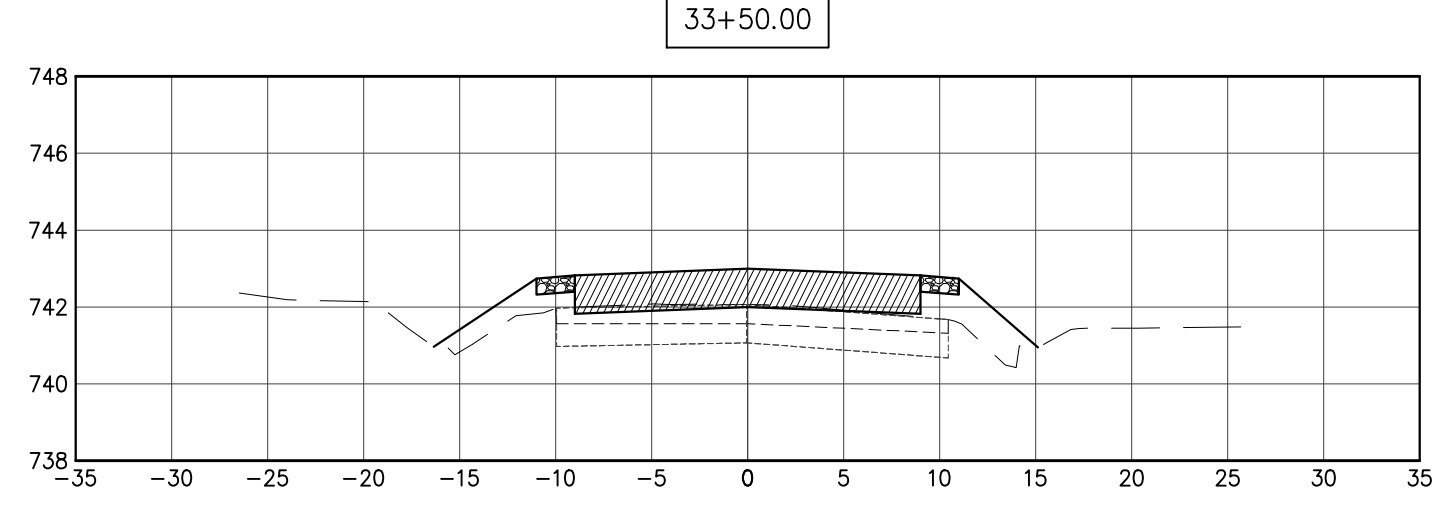
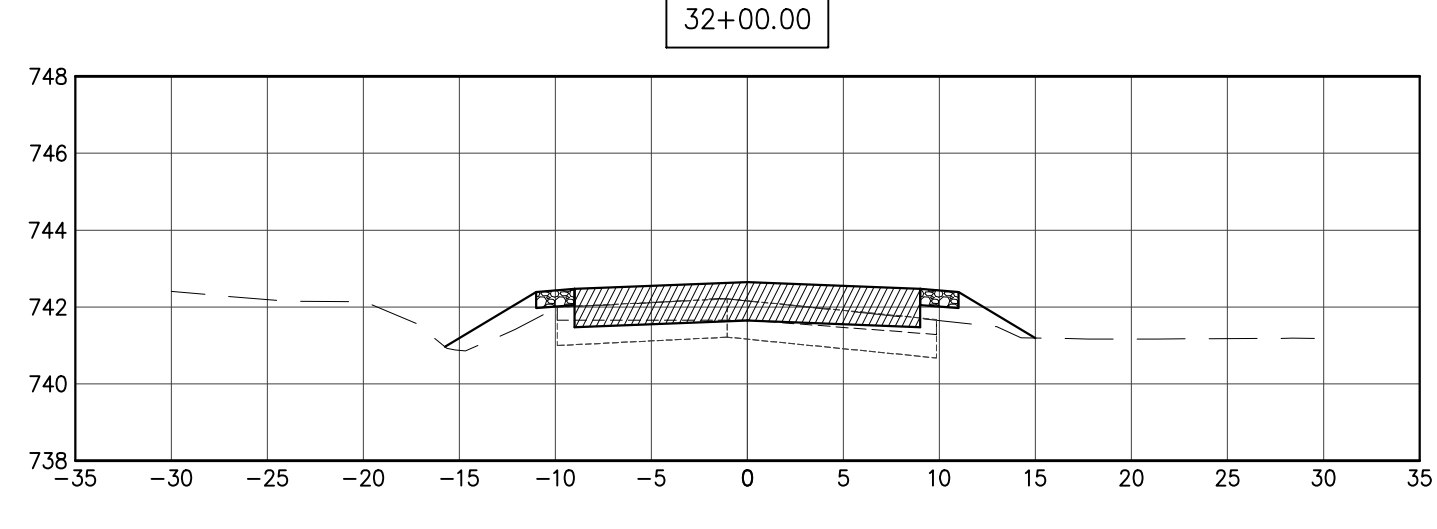
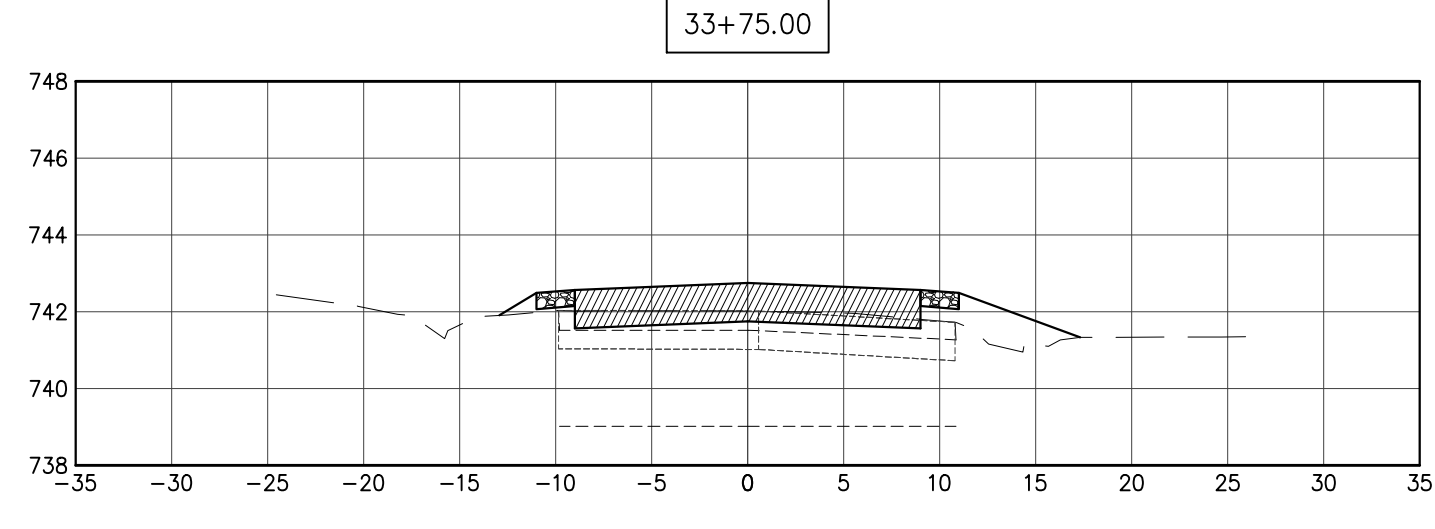
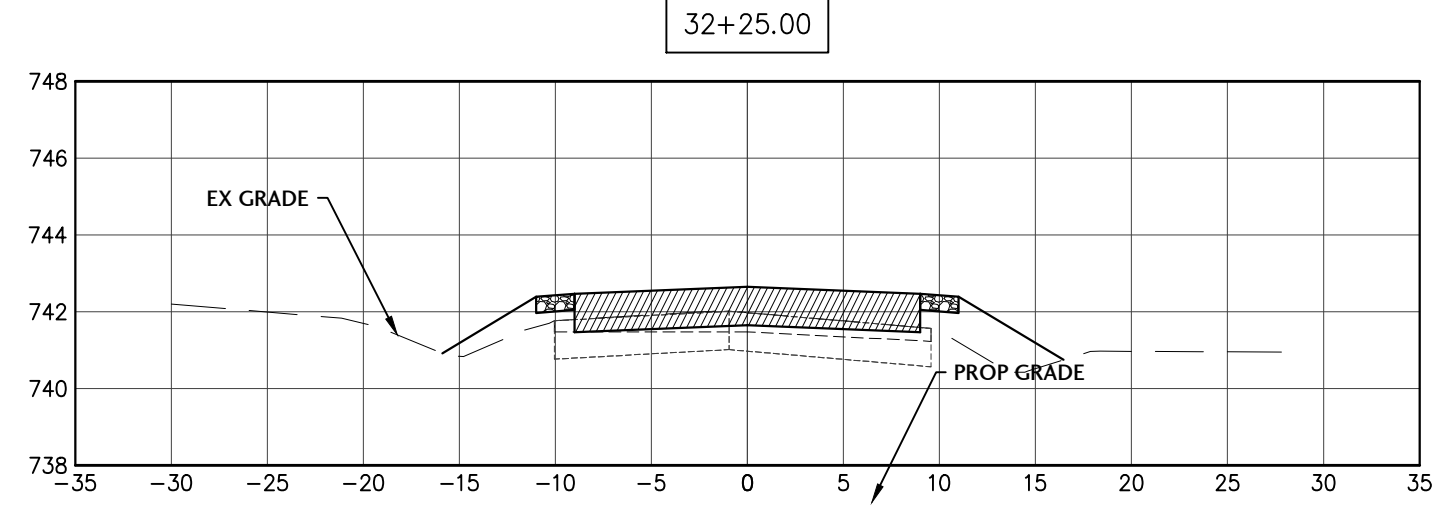
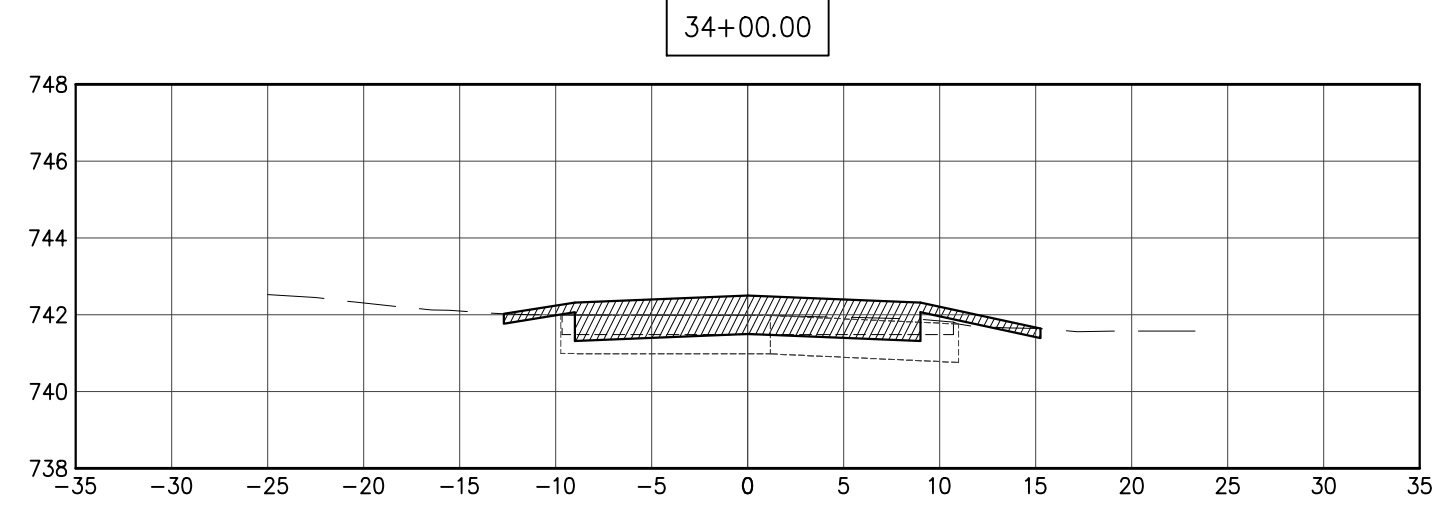
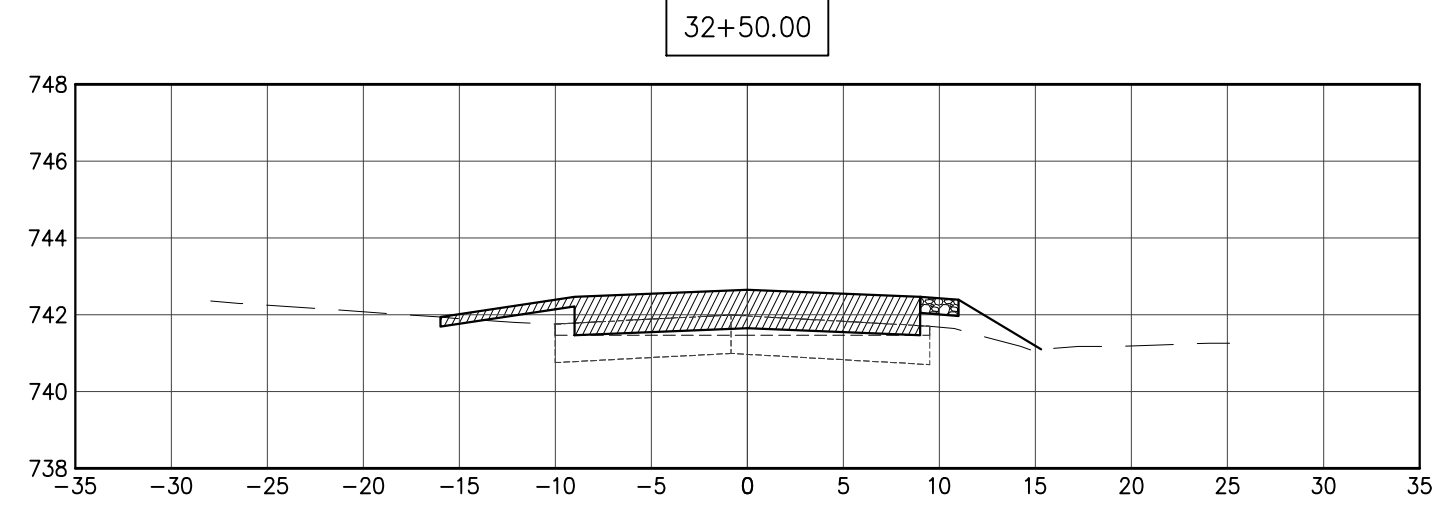
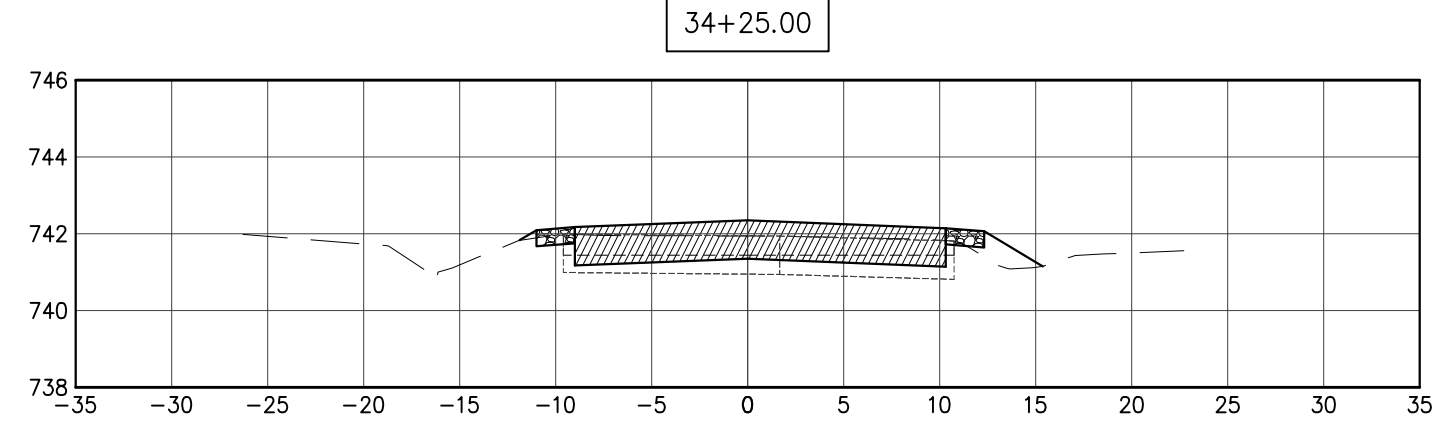
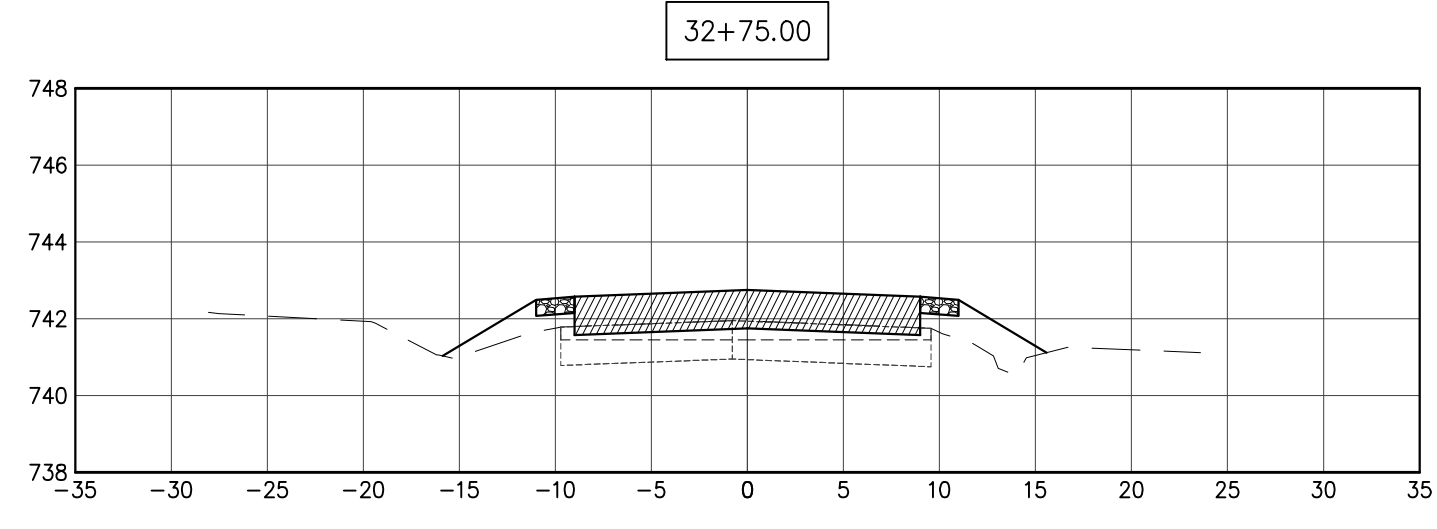
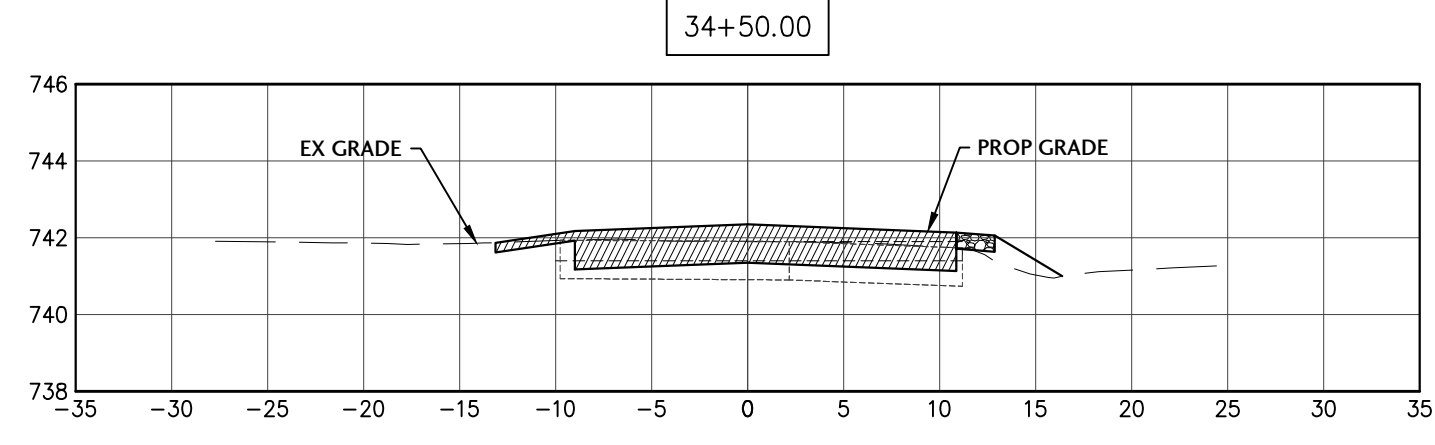
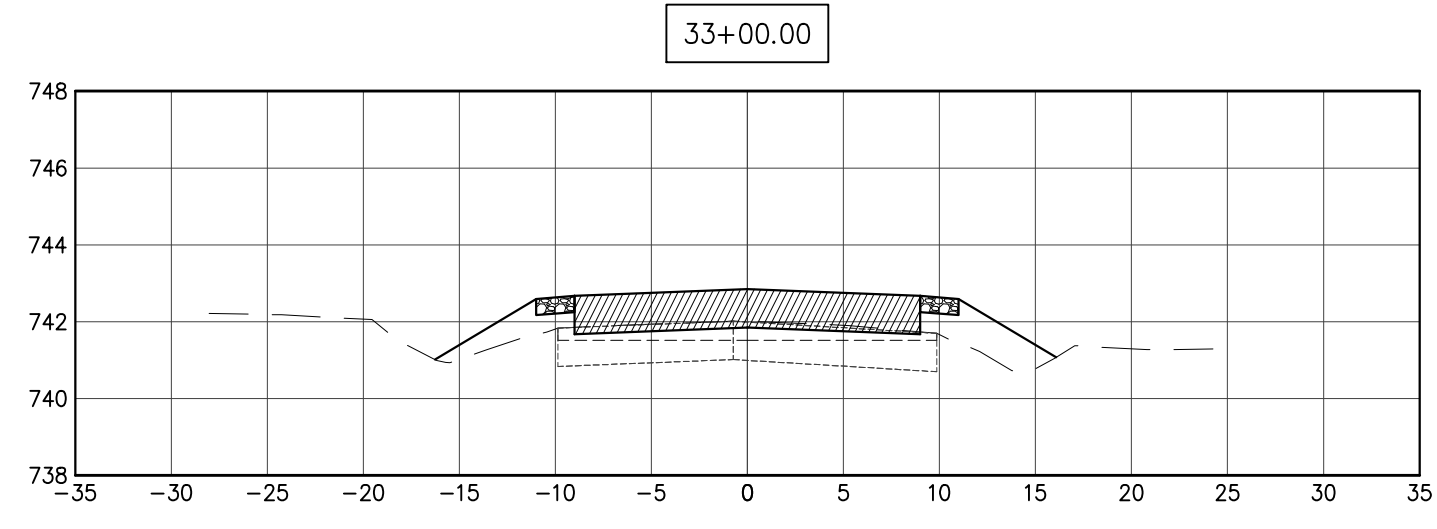
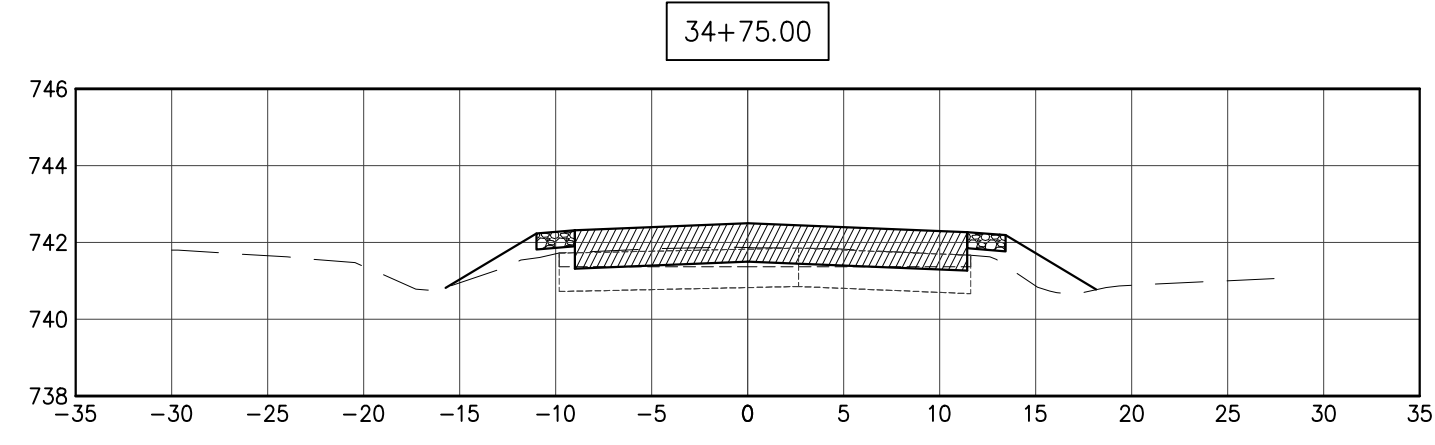
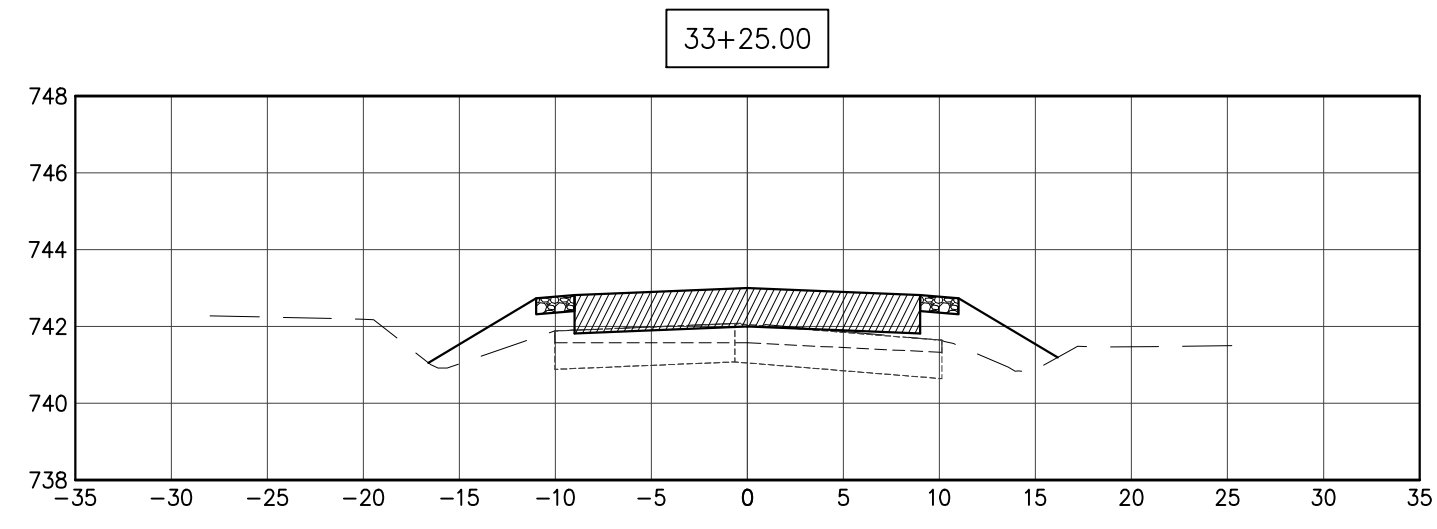
**PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS**

NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER
NTRD-21020-3

**SHEET TITLE  
CROSS SECTIONS  
AREA STREET  
STA 32+00 - 35+00**

SHEET NUMBER  
**C3.6**

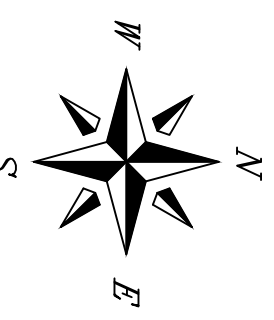




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 815.728.0068  
 IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
ROAD DIST.**

NUNDA TOWNSHIP,  
ILLINOIS



SCALE

1" = 20'

ISSUE DATE

03/27/2024

PROJECT MANAGER

JEC

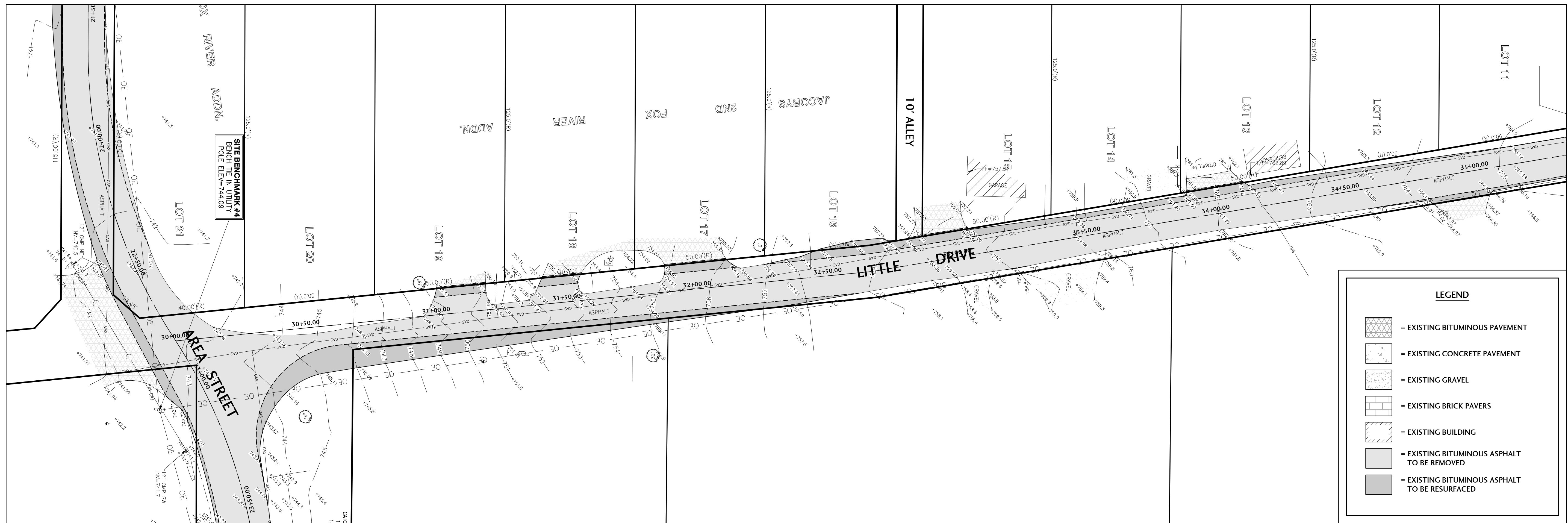
DESIGNER

LRT

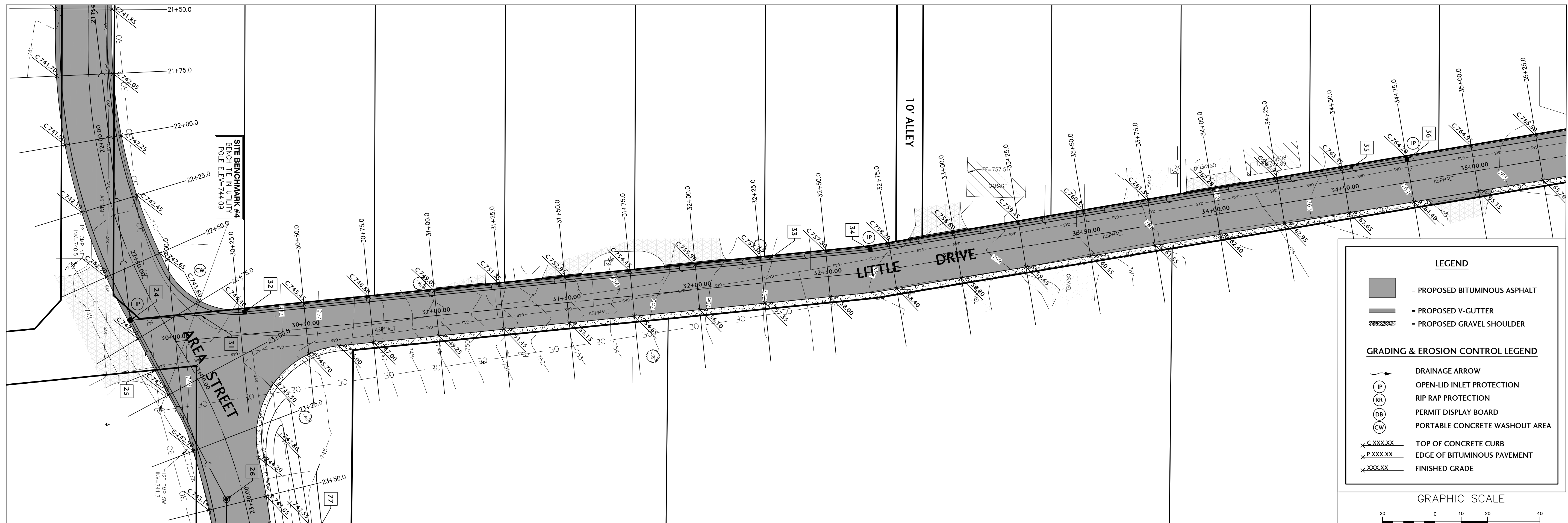
QUALITY CONTROL

MAM

**PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS**



**EXISTING CONDITIONS AND ROADWAY REMOVAL PLAN**



**PROPOSED ROADWAY PLAN**

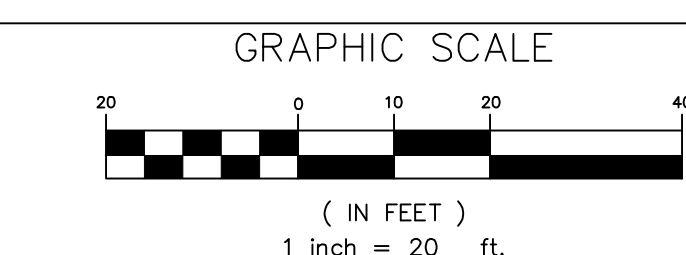
NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER  
NTRD-21020-3

SHEET TITLE  
LITTLE DRIVE  
IMPROVEMENTS  
STA 30+00 TO 35+50

SHEET NUMBER

**C4.0**

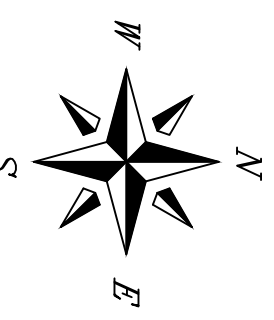




J. CONDON & ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 5415 BUSINESS PARKWAY  
 RINGWOOD, ILLINOIS 60072  
 815.728.0068  
 IL DESIGN FIRM # 184-006759

NUNDA TWP.  
 ROAD DIST.

NUNDA TOWNSHIP,  
 ILLINOIS



SCALE  
 1" = 20'

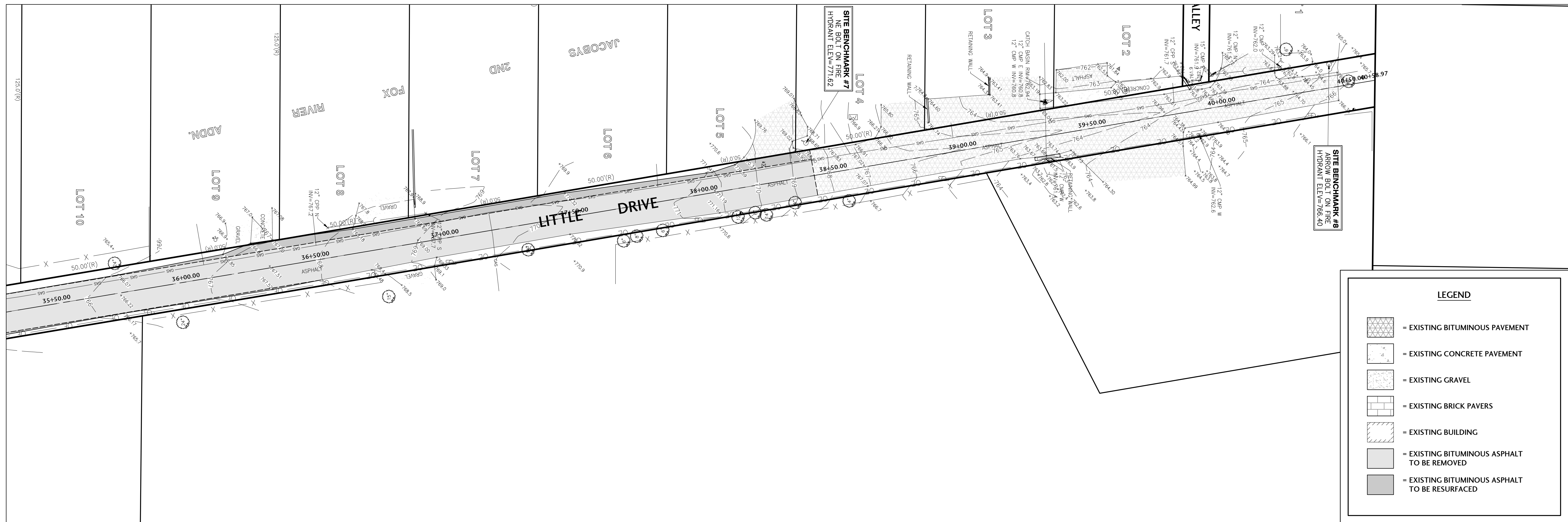
ISSUE DATE  
 03/27/2024

PROJECT MANAGER  
 JEC

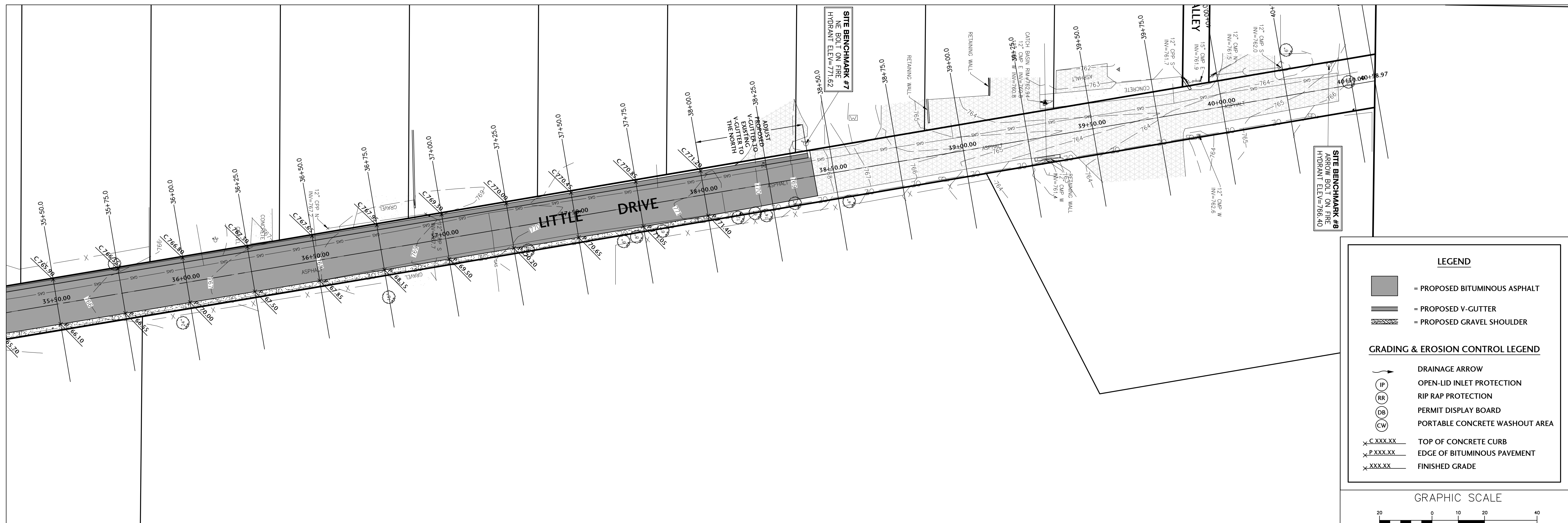
DESIGNER  
 LRT

QUALITY CONTROL  
 MAM

PORTEN'S HICKORY  
 KNOLL  
 SUBDIVISIONS  
 DRAINAGE &  
 ROADWAY  
 IMPROVEMENTS  
 NUNDA TOWNSHIP,  
 ILLINOIS



### EXISTING CONDITIONS AND ROADWAY REMOVAL PLAN



### PROPOSED ROADWAY PLAN

**LEGEND**

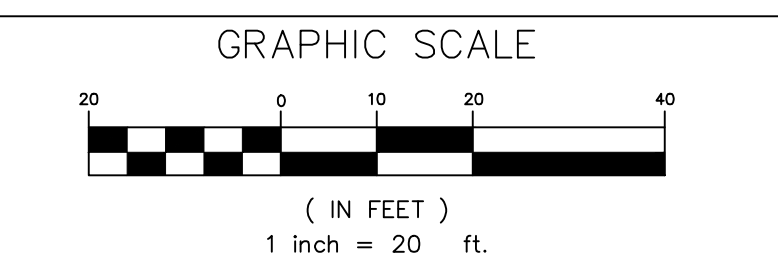
- = EXISTING BITUMINOUS PAVEMENT
- = EXISTING CONCRETE PAVEMENT
- = EXISTING GRAVEL
- = EXISTING BRICK PAVERS
- = EXISTING BUILDING
- = EXISTING BITUMINOUS ASPHALT TO BE REMOVED
- = EXISTING BITUMINOUS ASPHALT TO BE RESURFACED

**LEGEND**

- = PROPOSED BITUMINOUS ASPHALT
- = PROPOSED V-GUTTER
- = PROPOSED GRAVEL SHOULDER

**GRADING & EROSION CONTROL LEGEND**

- DRAINAGE ARROW
- OPEN-LID INLET PROTECTION
- RIP RAP PROTECTION
- PERMIT DISPLAY BOARD
- PORTABLE CONCRETE WASHOUT AREA
- TOP OF CONCRETE CURB
- EDGE OF BITUMINOUS PAVEMENT
- FINISHED GRADE



NO.	DATE	DESCRIPTION
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PROJECT NUMBER  
 NTRD-21020-3

SHEET TITLE  
 LITTLE DRIVE  
 IMPROVEMENTS  
 STA  
 35+50 TO 40+58.97

SHEET NUMBER

C4.1

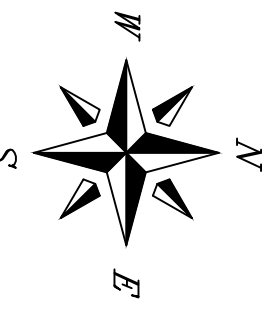


J. CONDON & ASSOCIATES, INC.  
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5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
815.728.0068

IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
ROAD DIST.**

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
1"=10' H 1"=5' V

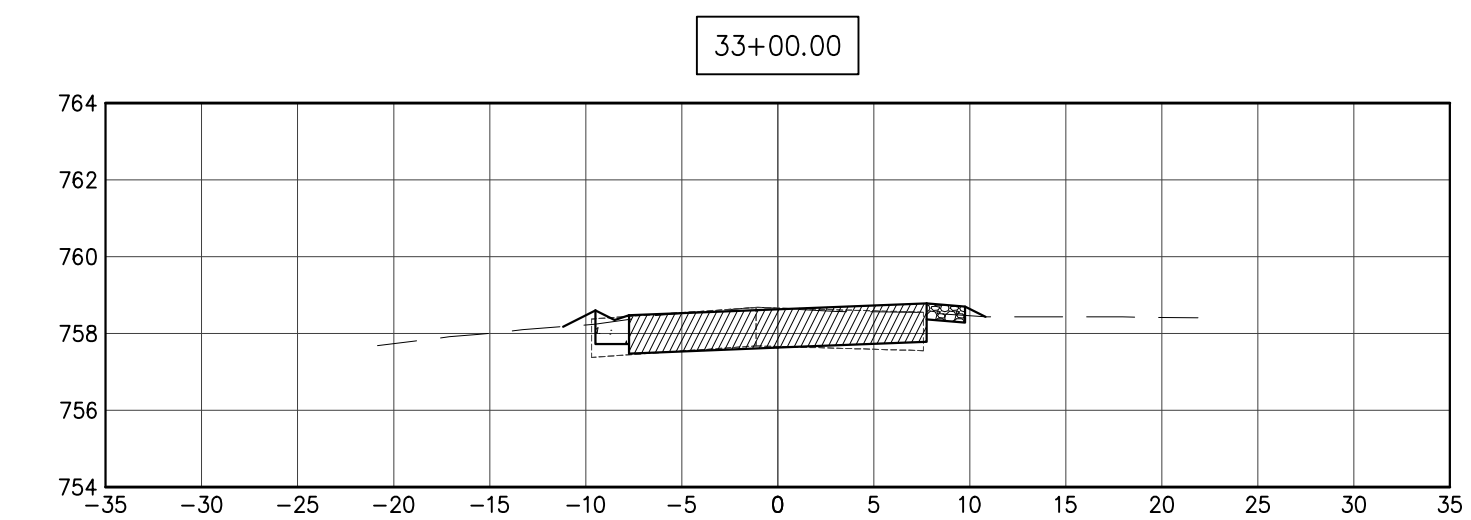
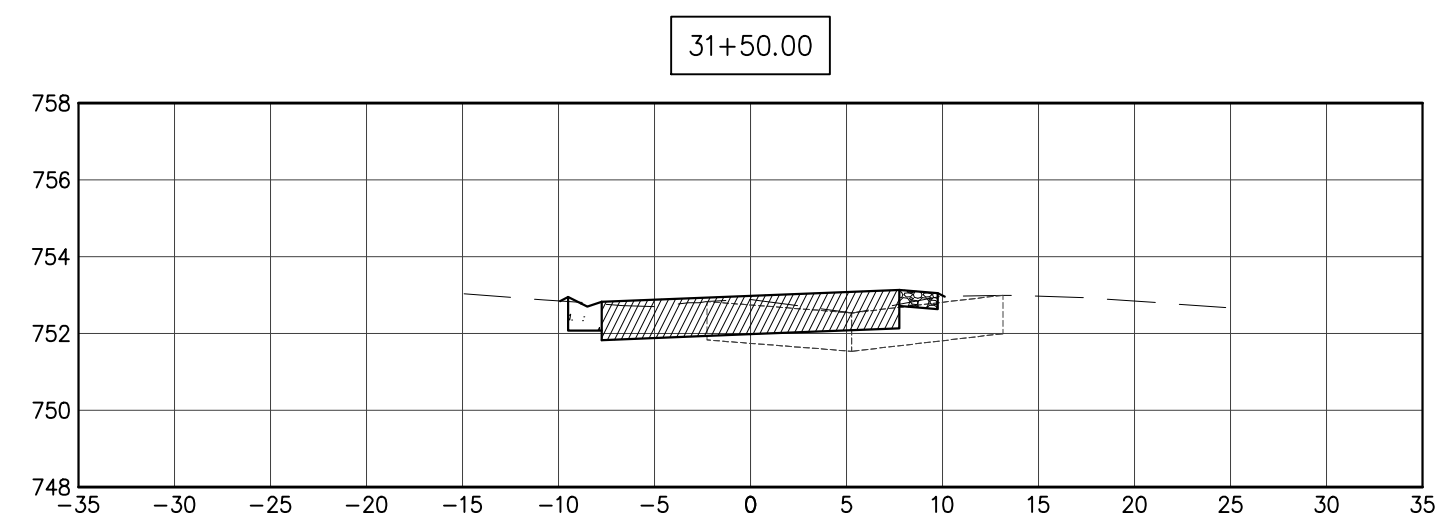
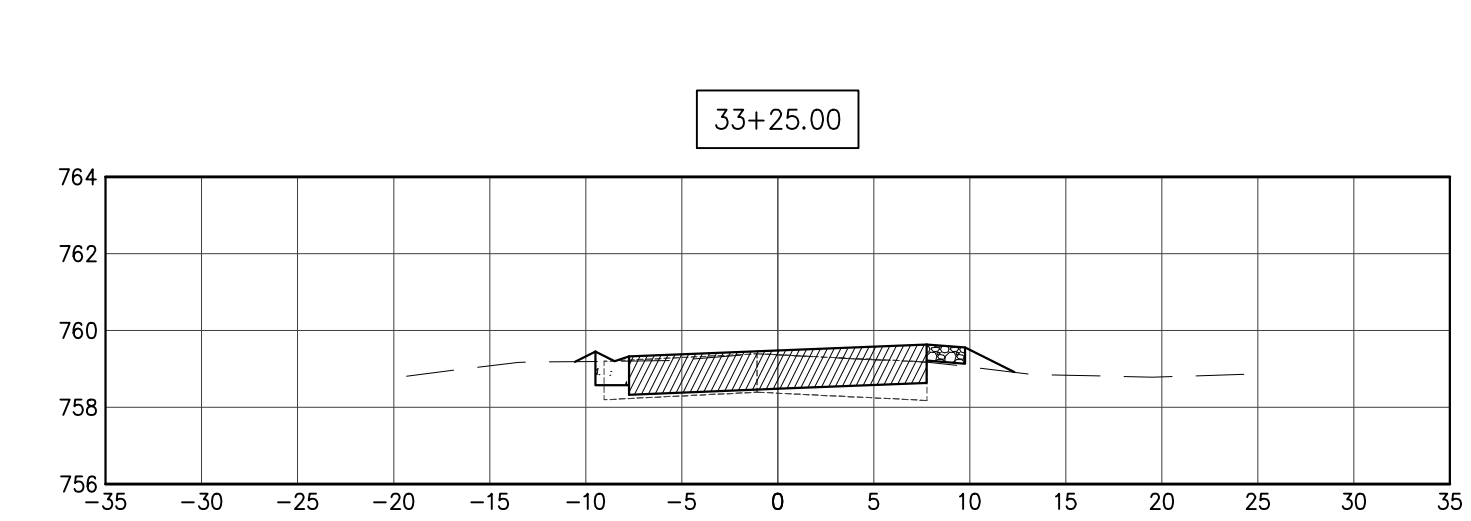
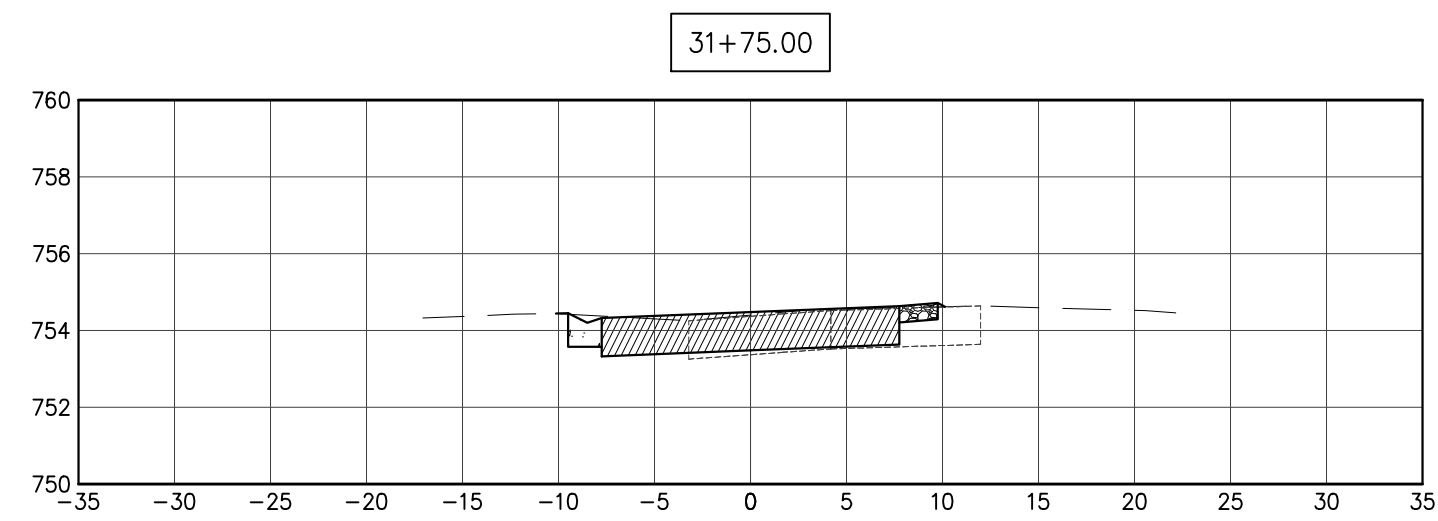
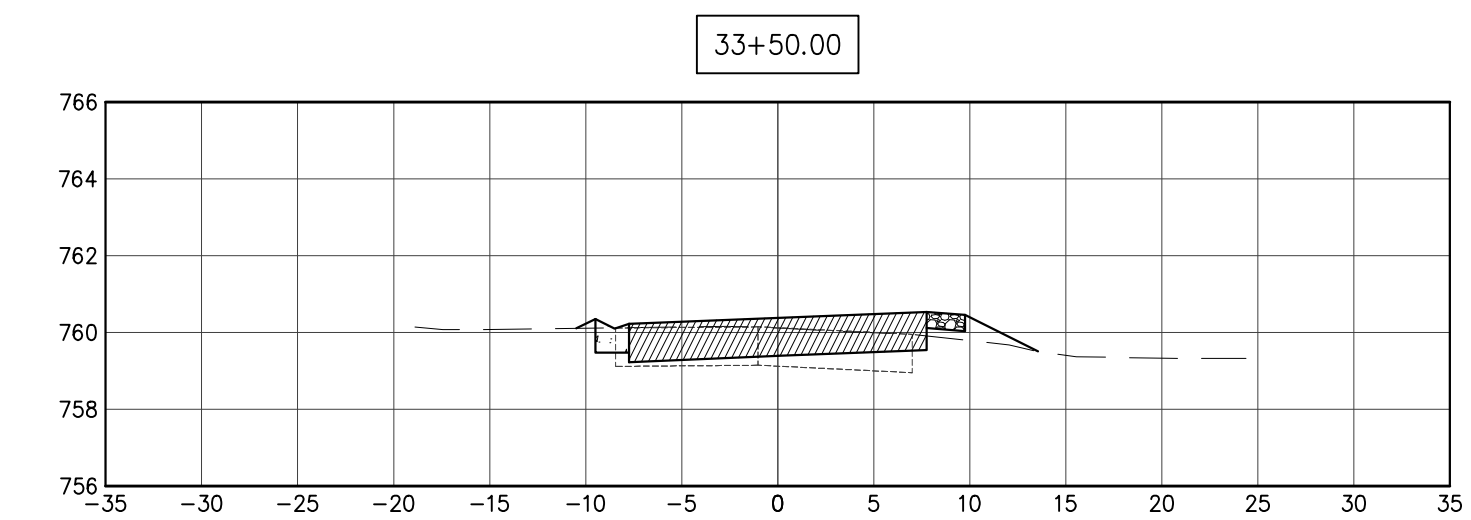
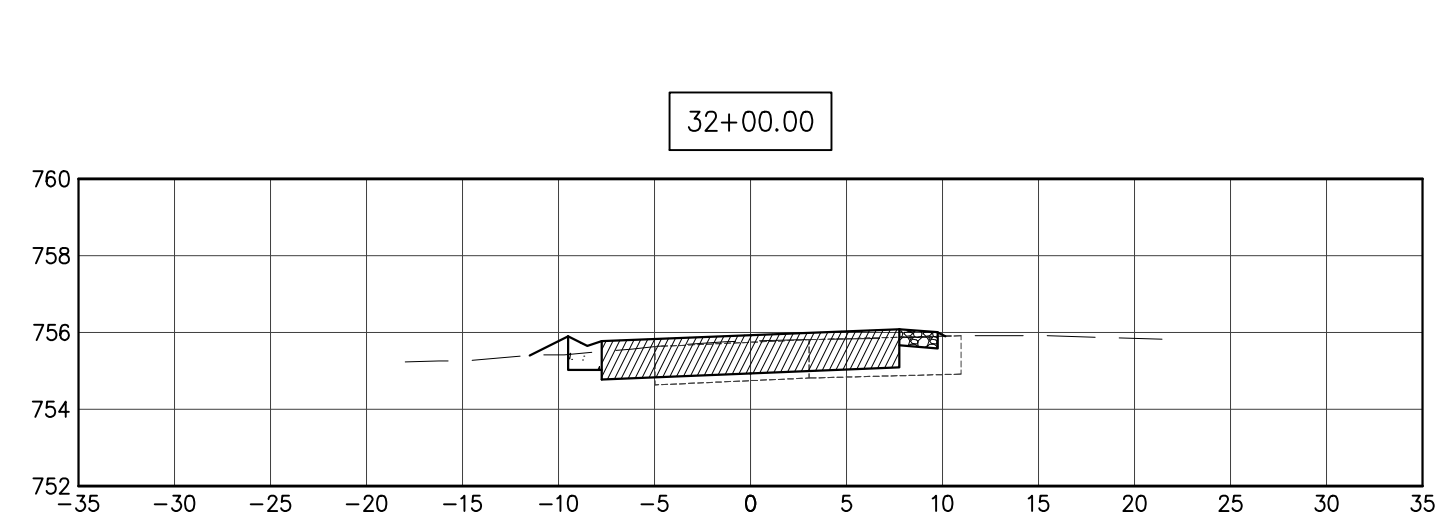
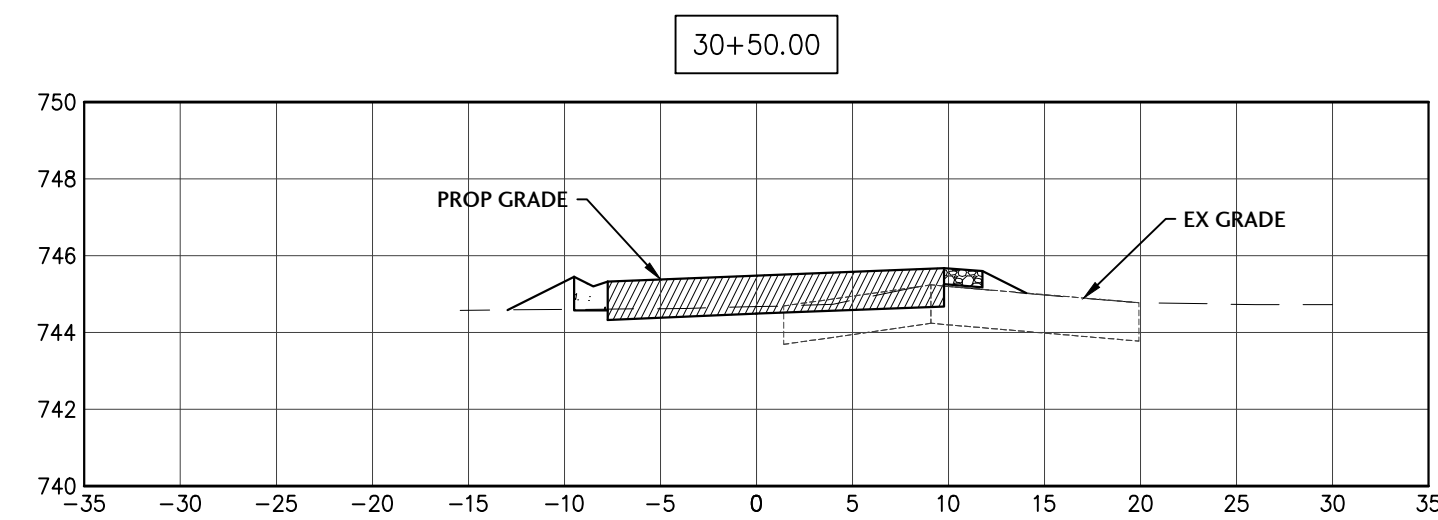
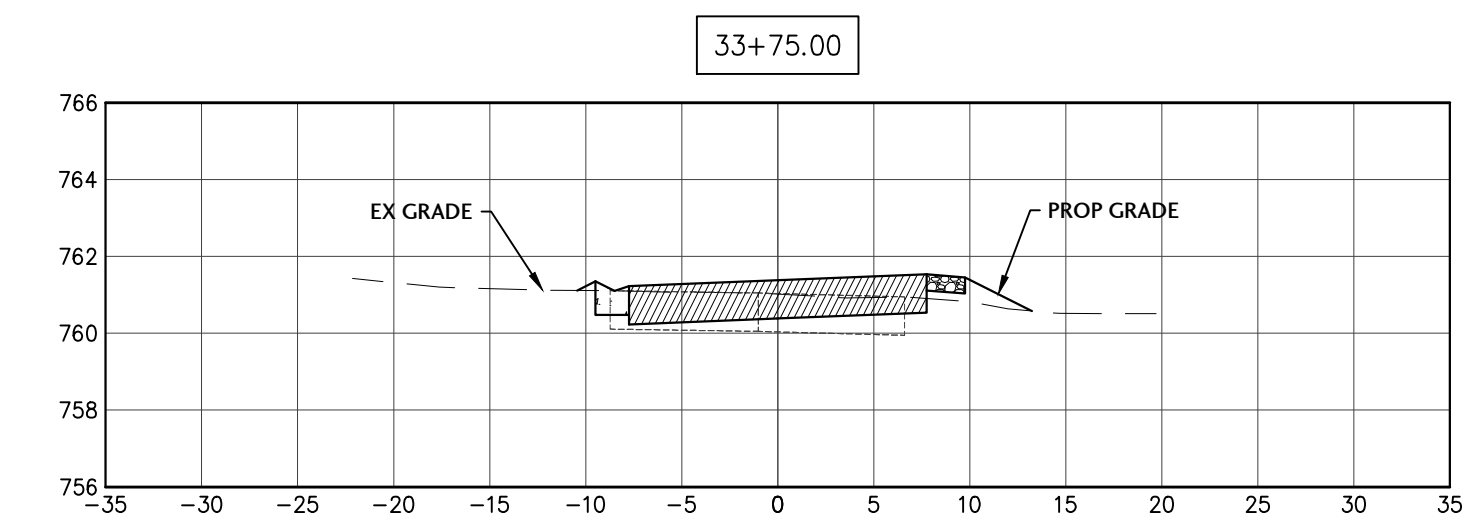
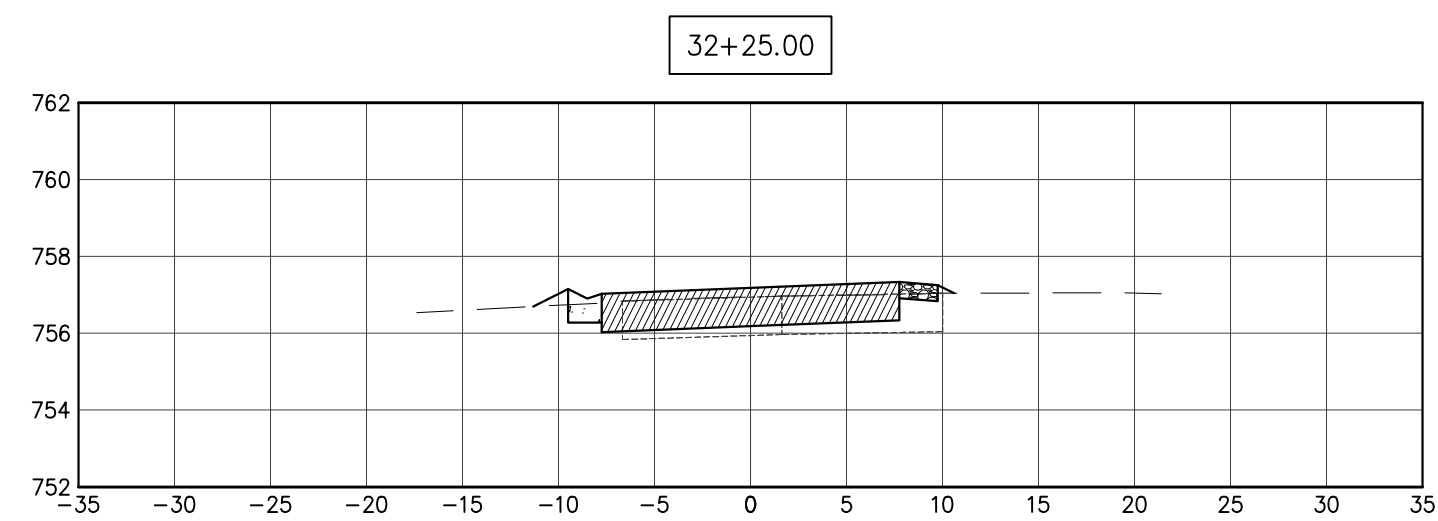
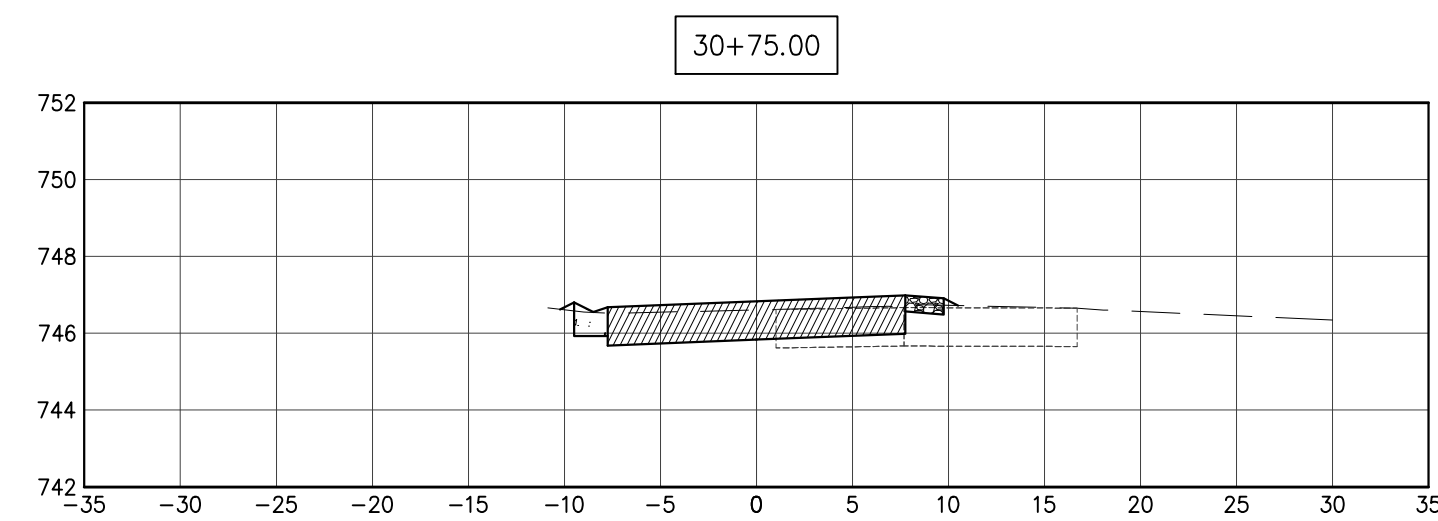
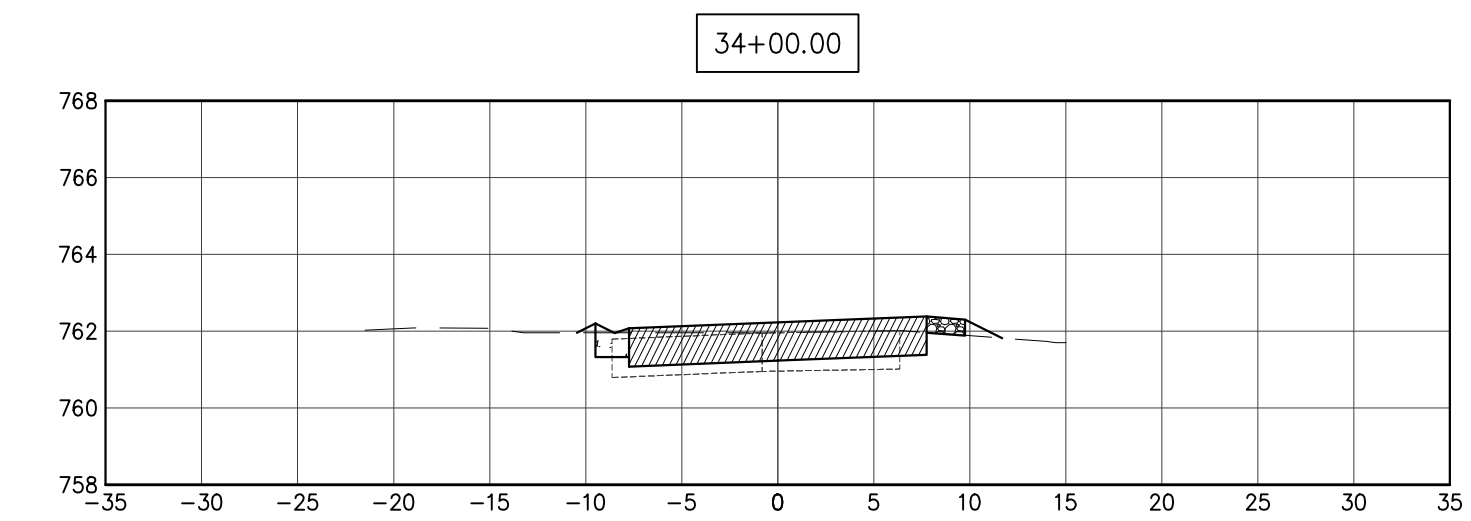
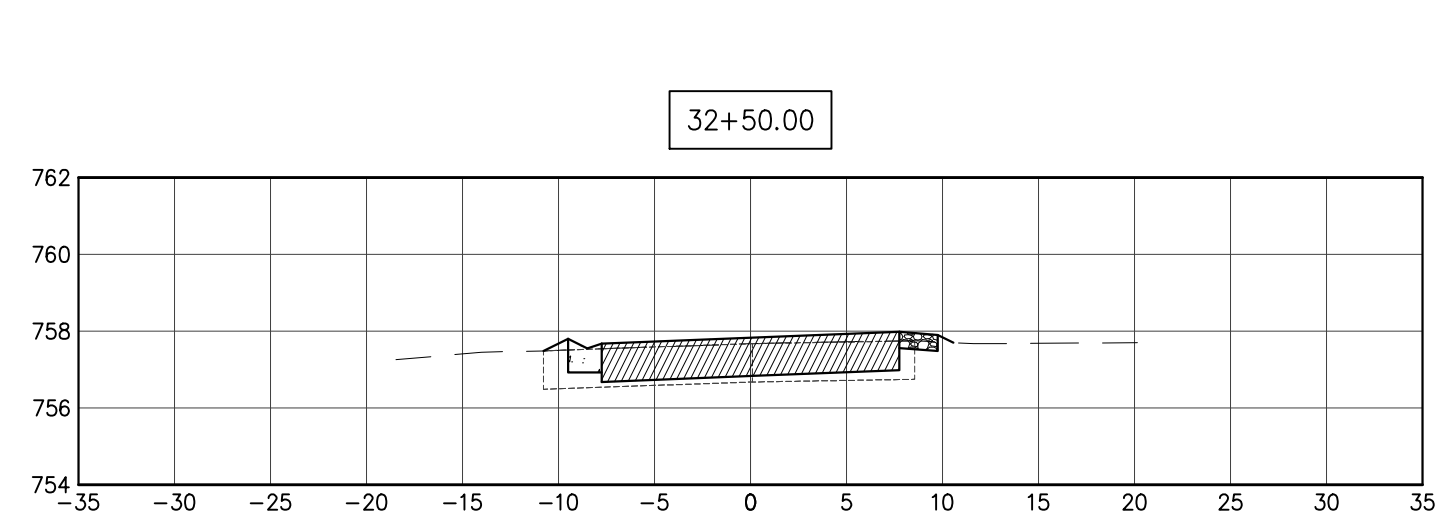
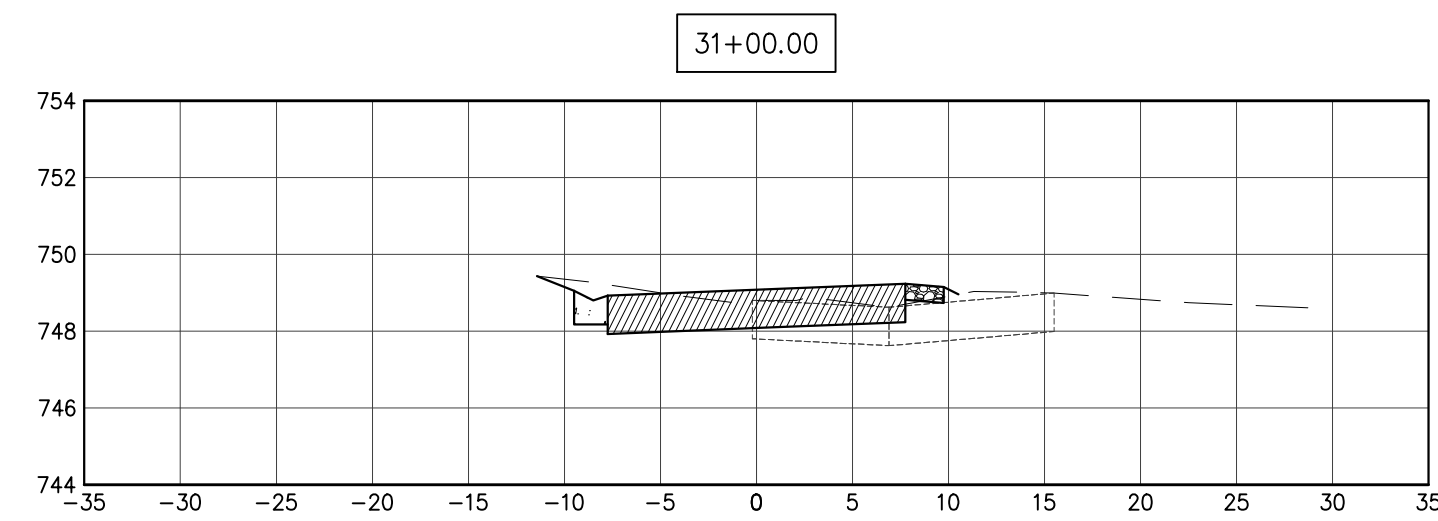
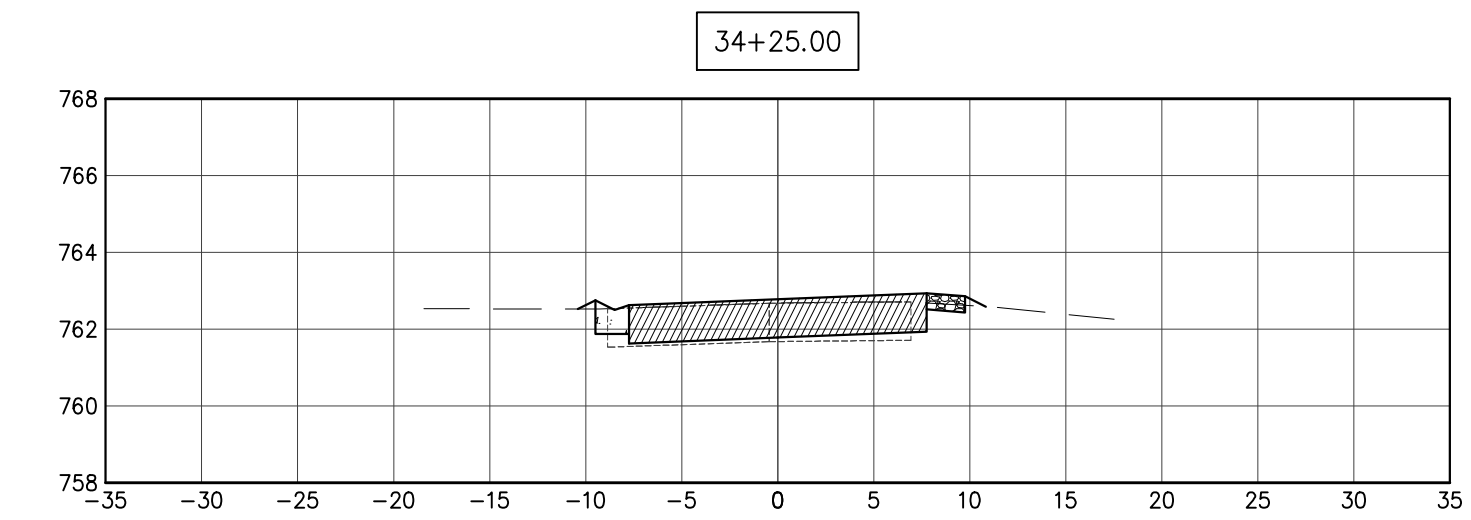
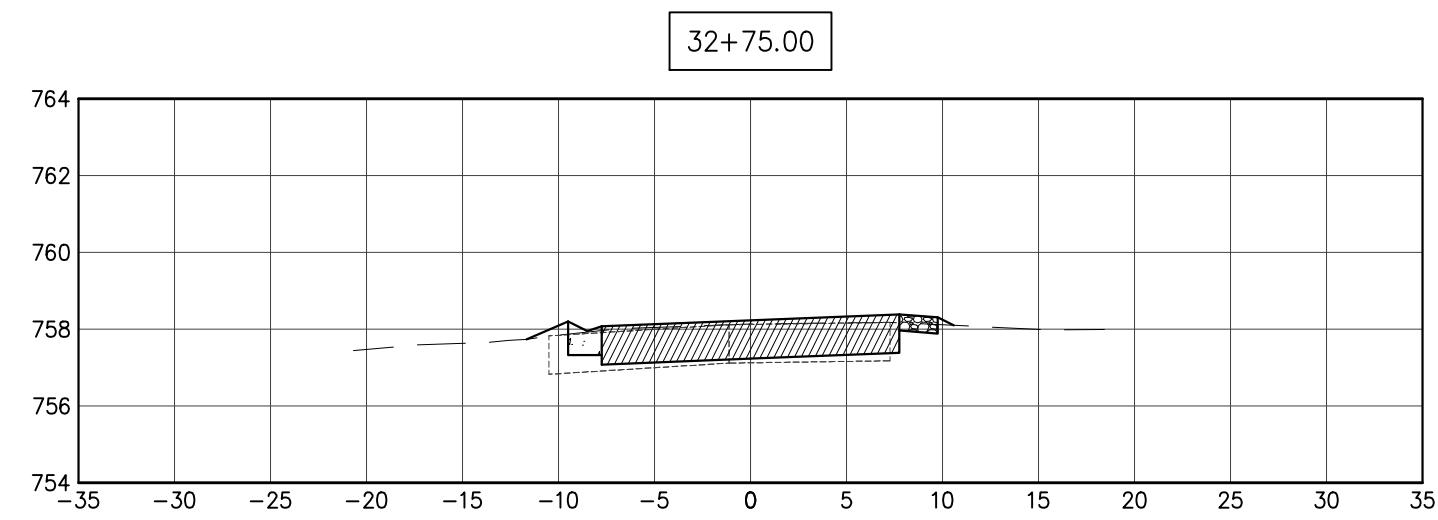
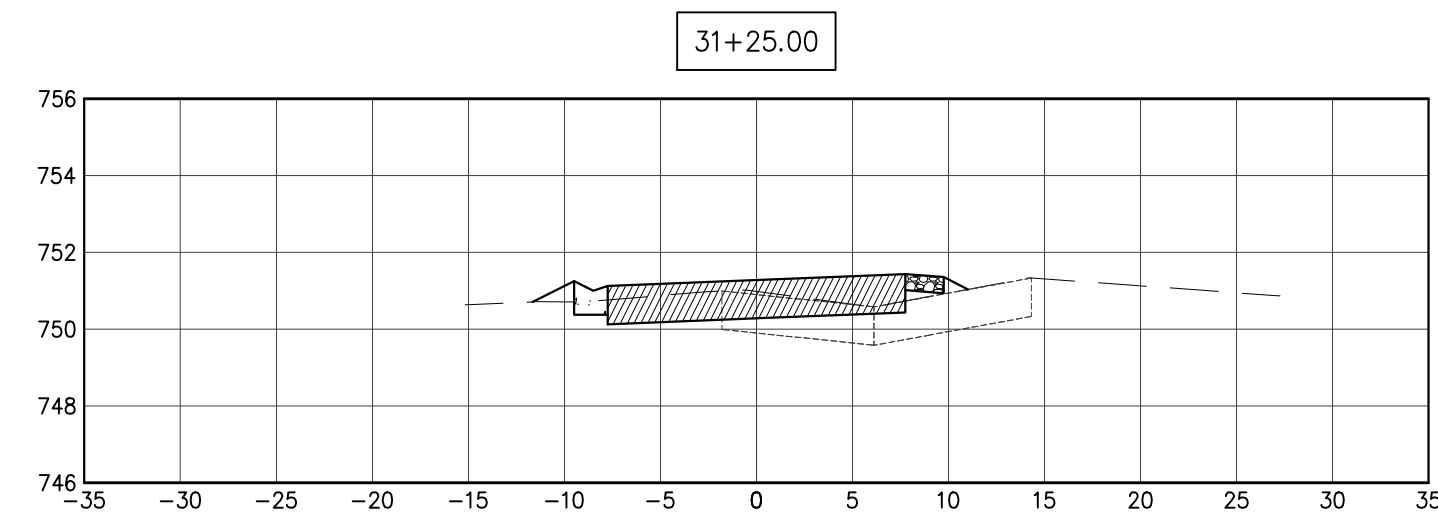
ISSUE DATE  
03/27/2024

PROJECT MANAGER  
JEC

DESIGNER  
LRT

QUALITY CONTROL  
MAM

PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS



NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER  
NTRD-21020-3

SHEET TITLE  
CROSS SECTIONS  
LITTLE DR.  
STA 30+50 - 34+25

SHEET NUMBER

C4.2

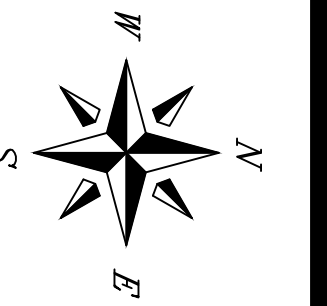


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 5415 BUSINESS PARKWAY  
 RINGWOOD, ILLINOIS 60072  
 815.728.0068

IL DESIGN FIRM # 184-006759

**NUNDA TWP.  
ROAD DIST.**

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
 1"=10' H 1"=5' V

ISSUE DATE  
 03/27/2024

PROJECT MANAGER  
 JEC

DESIGNER  
 LRT

QUALITY CONTROL  
 MAM

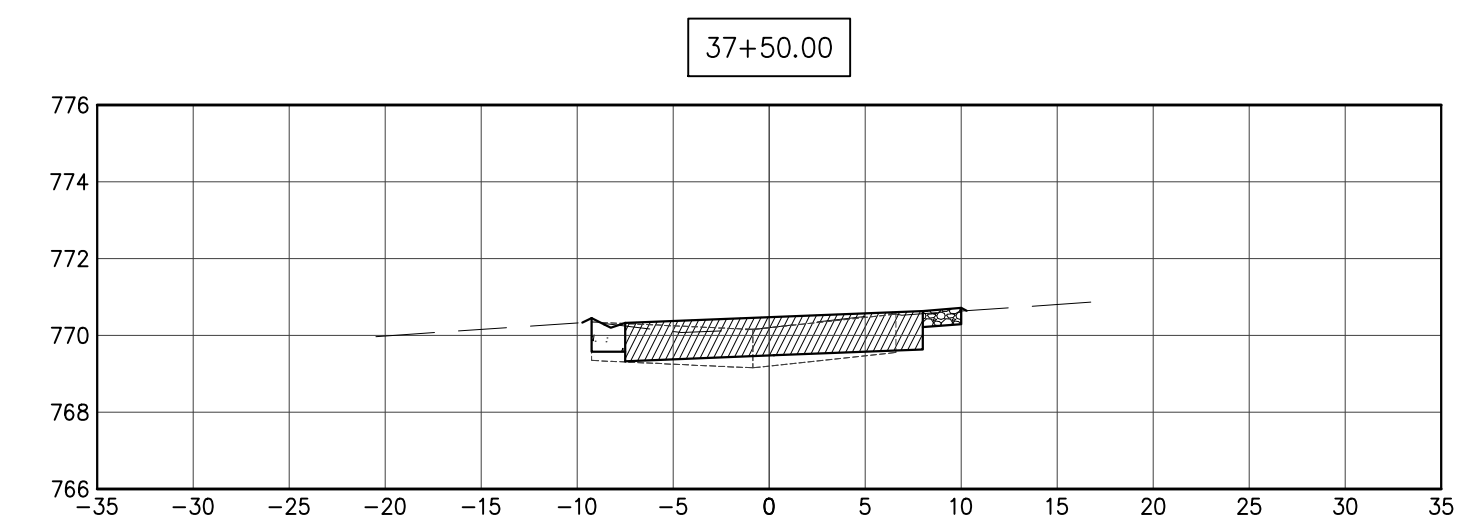
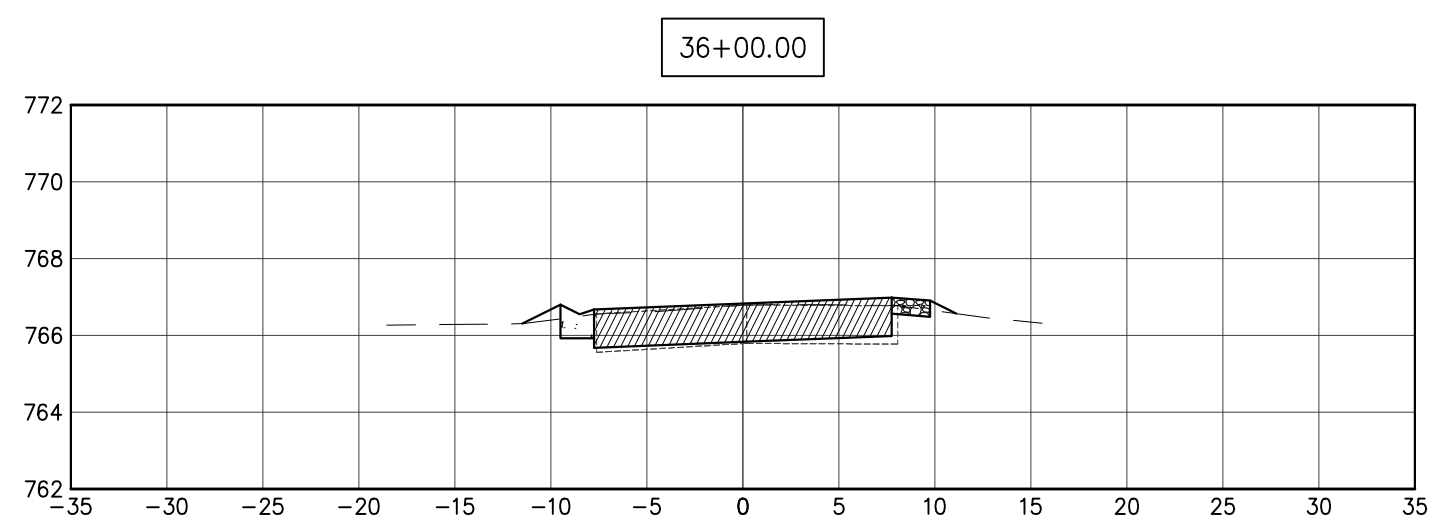
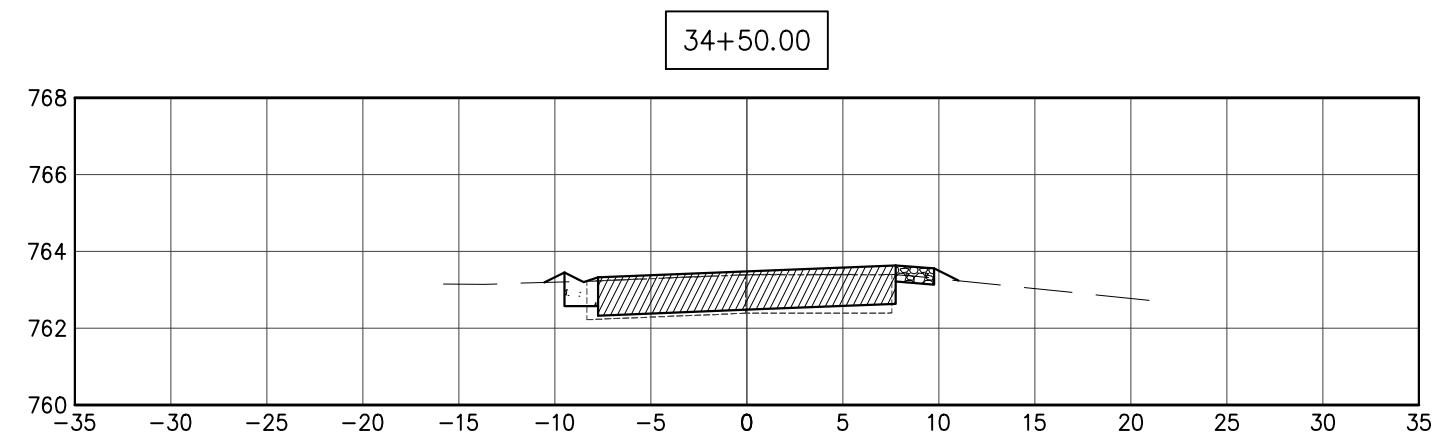
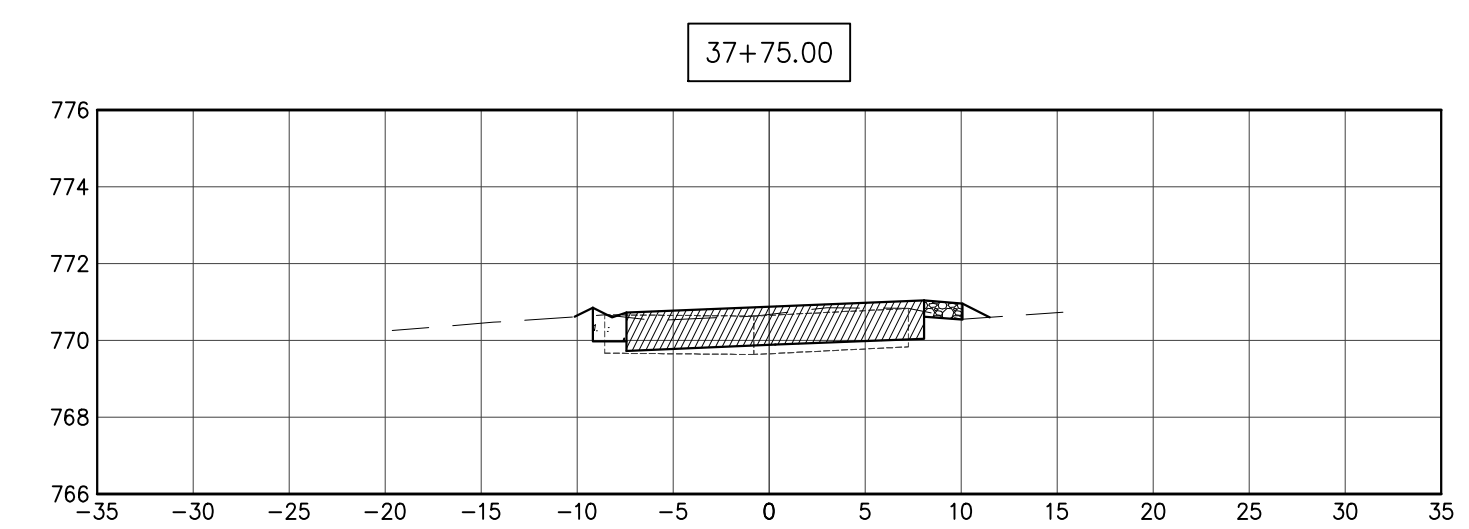
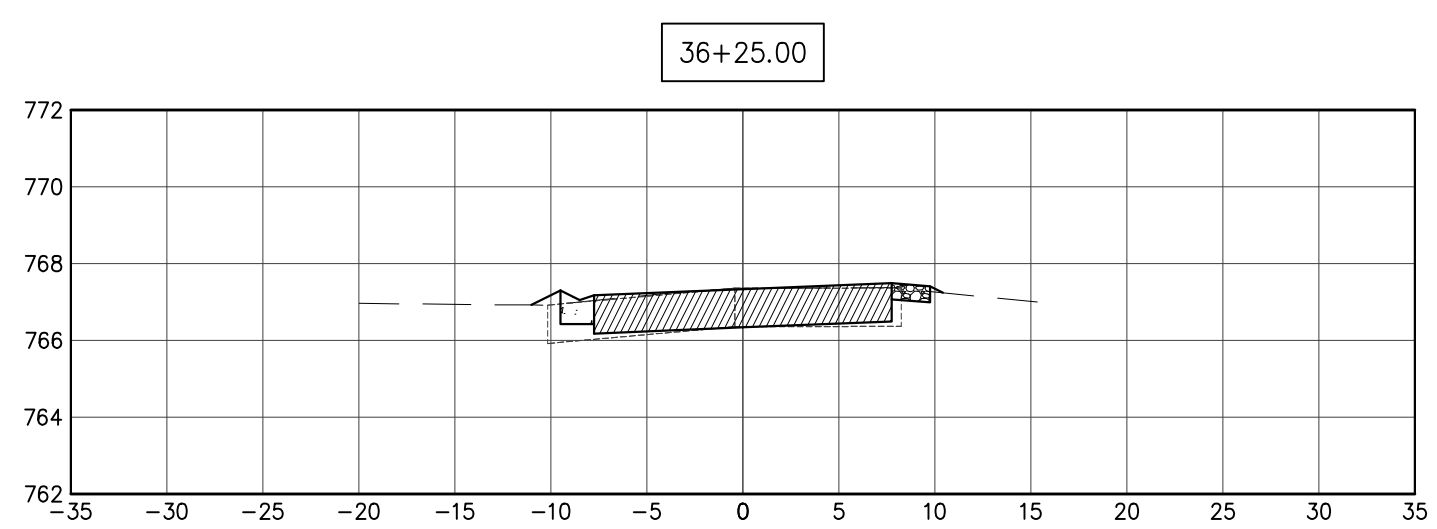
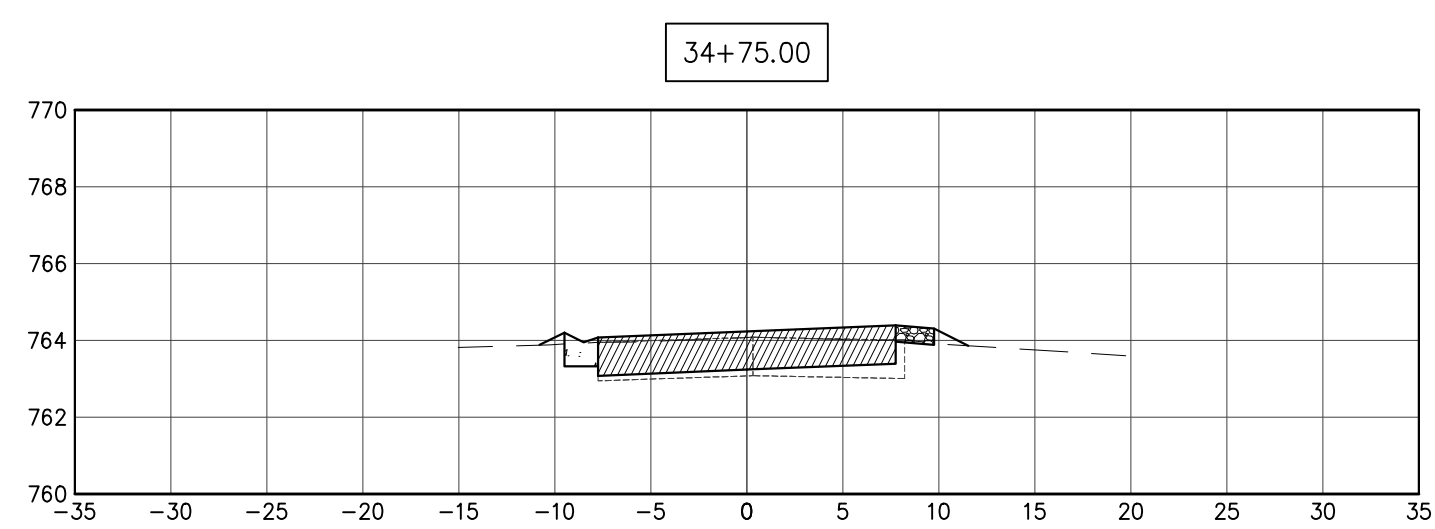
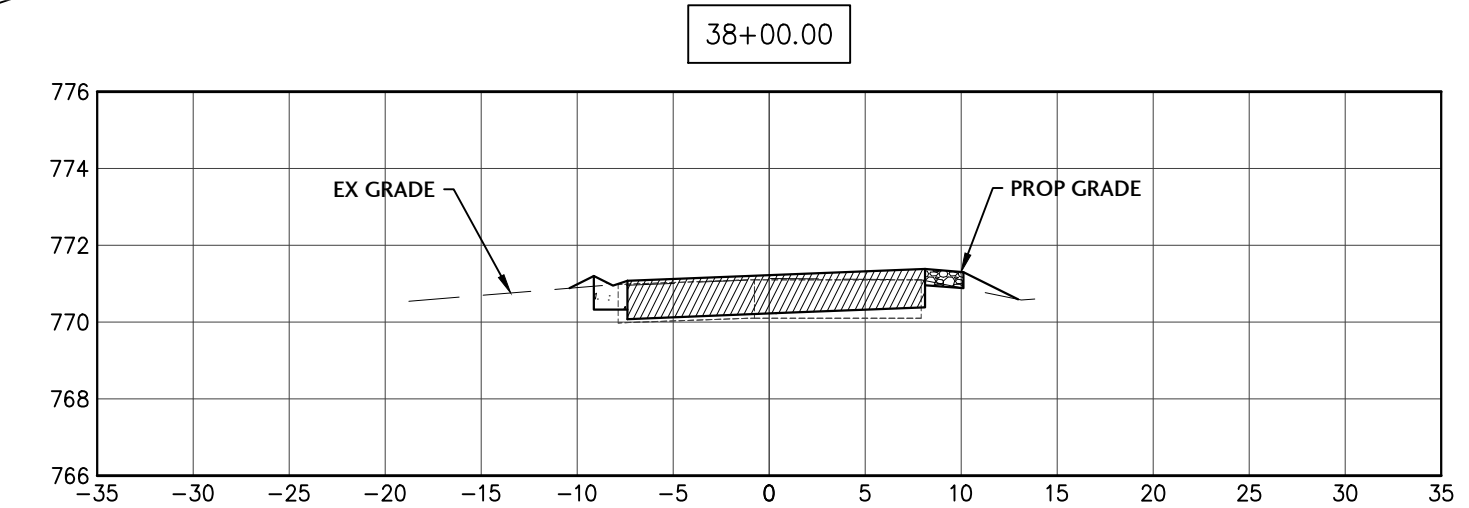
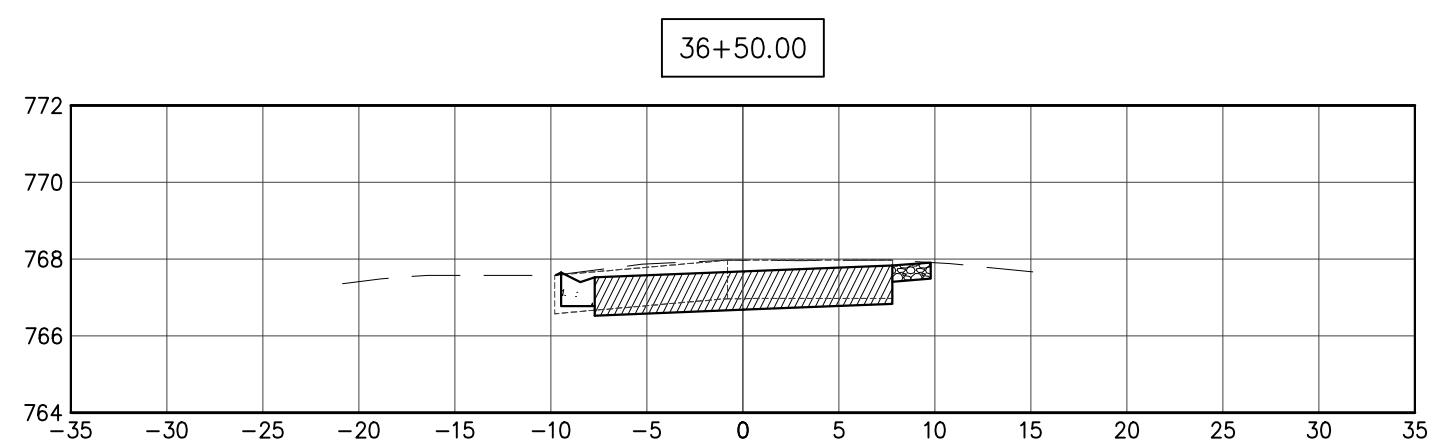
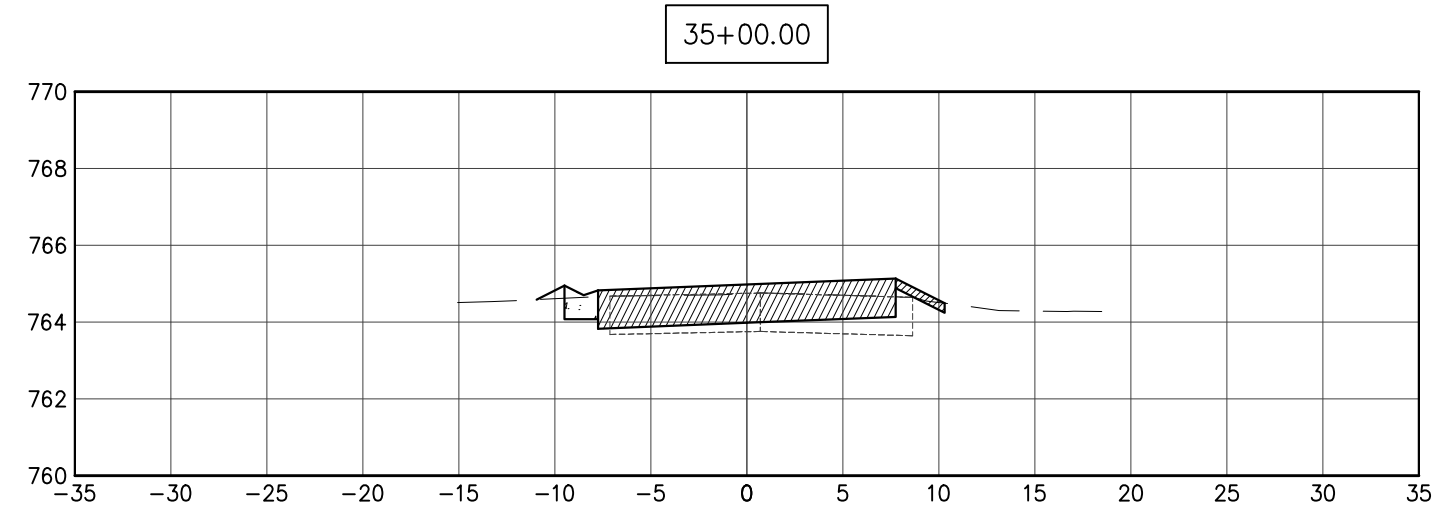
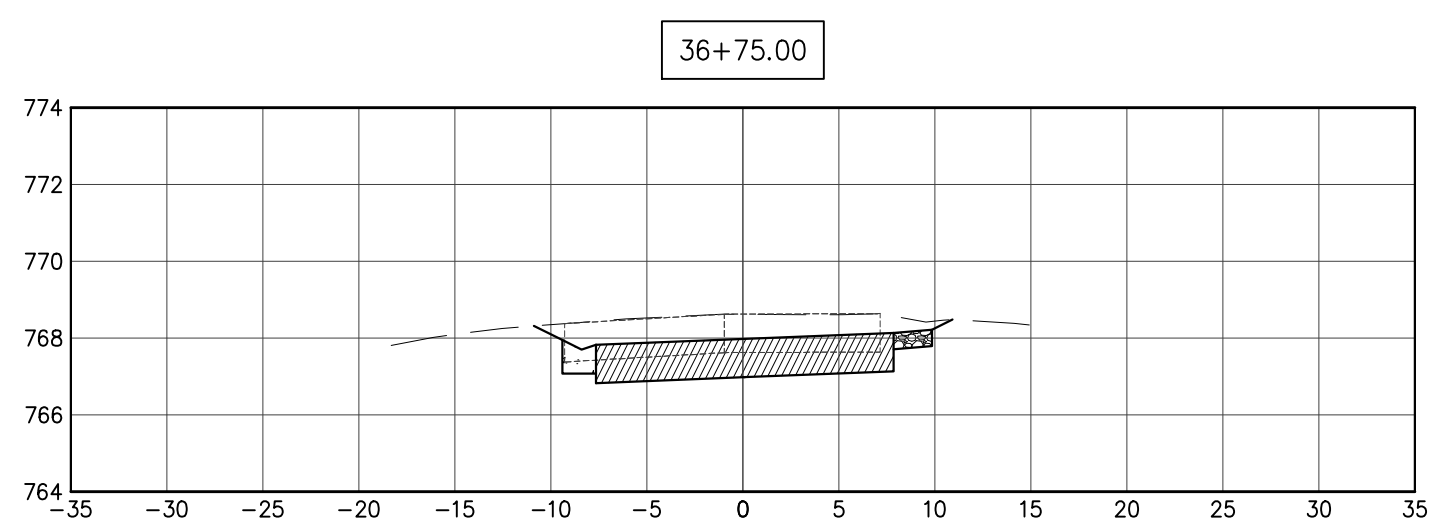
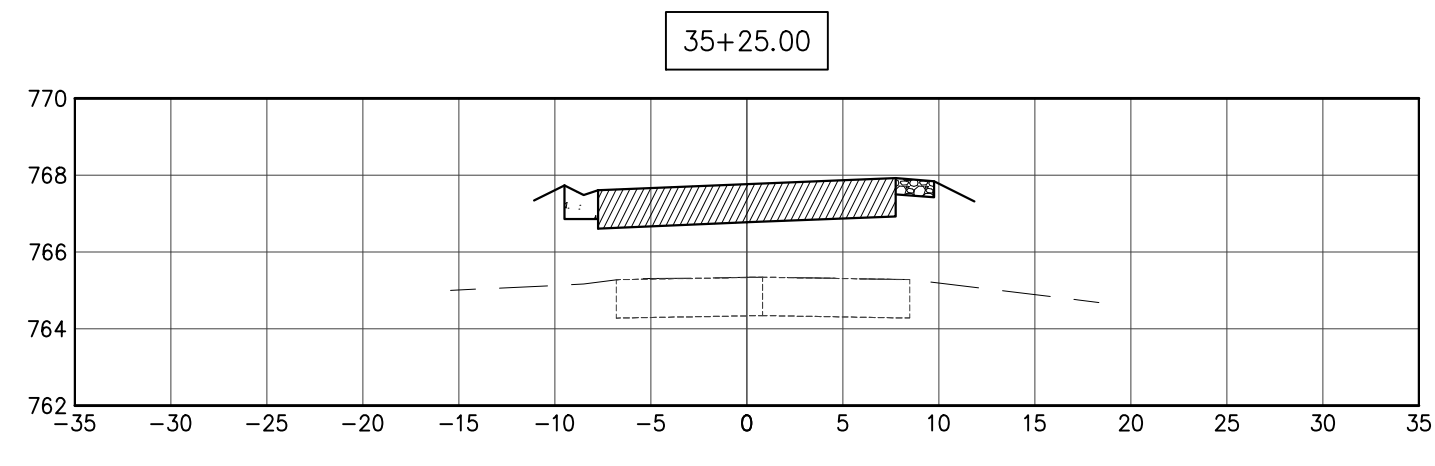
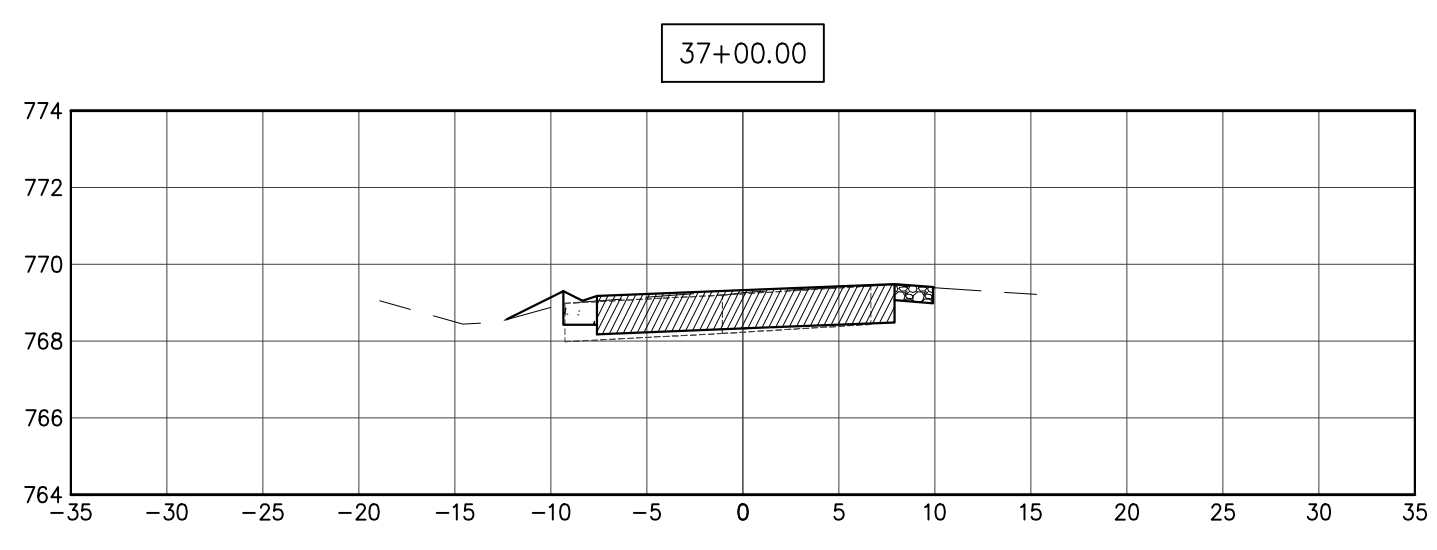
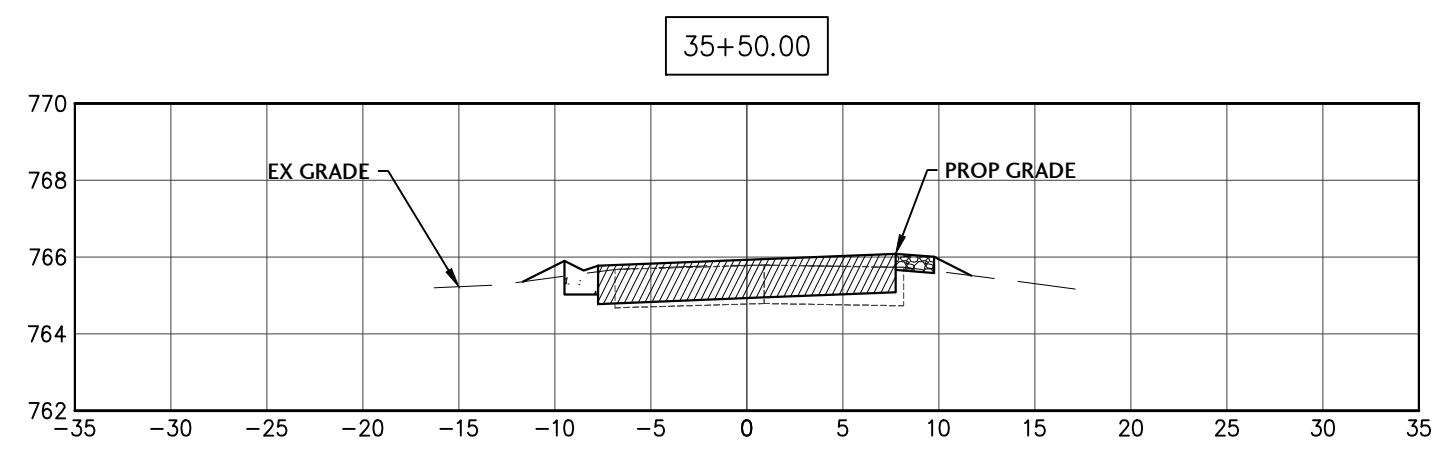
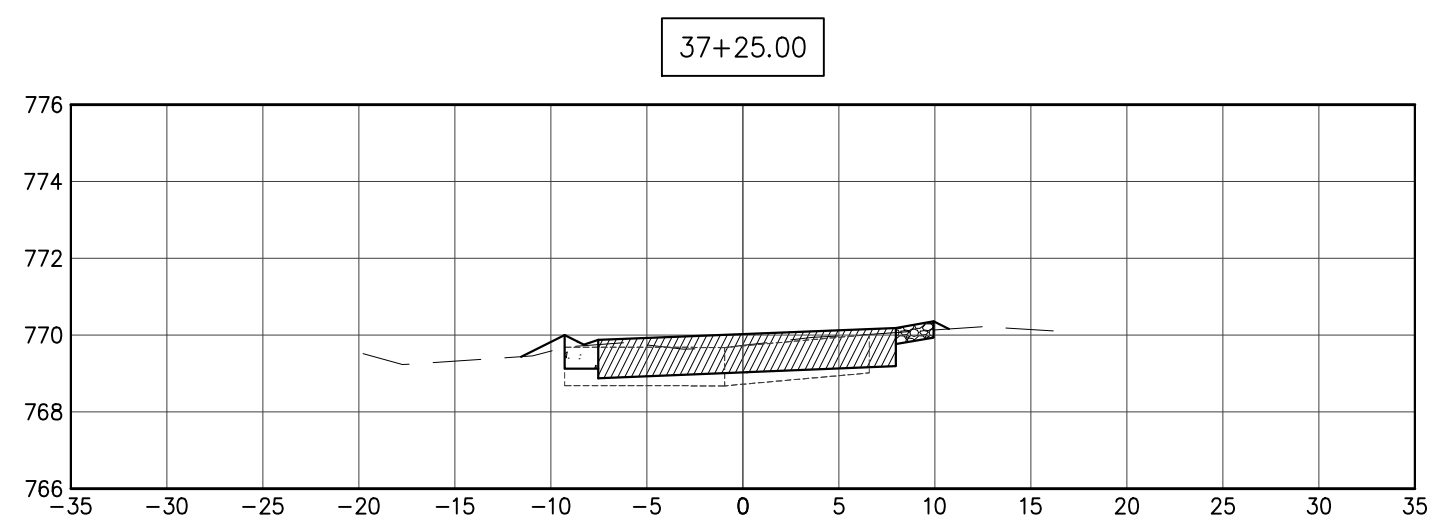
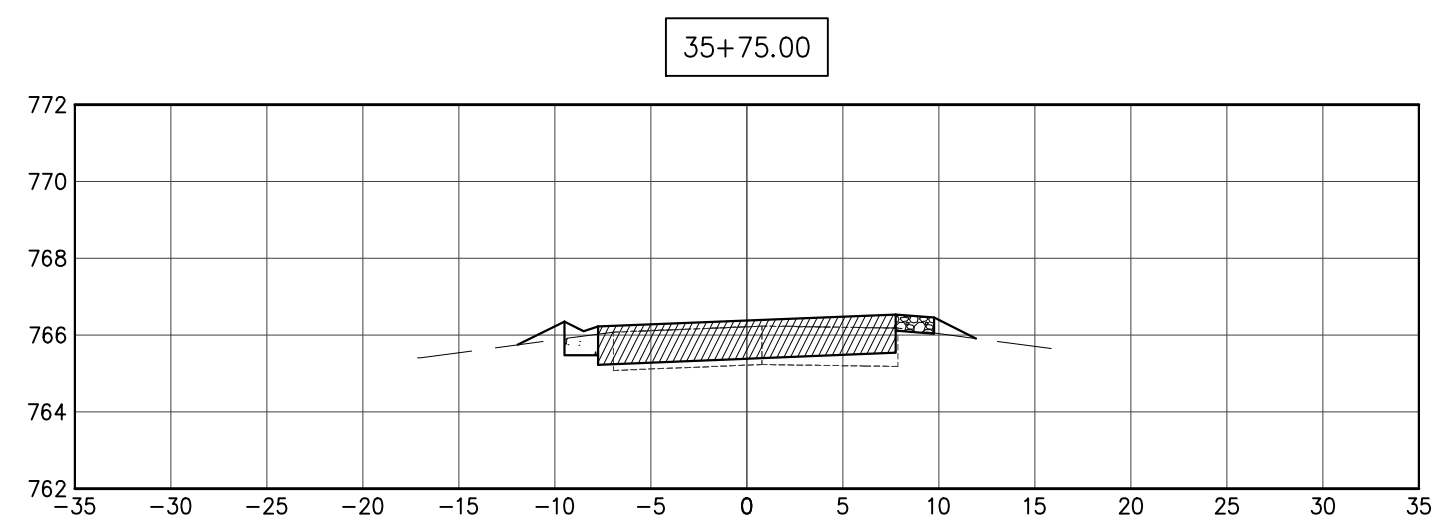
**PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS**

NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER	NTRD-21020-3
SHEET TITLE	CROSS SECTIONS LITTLE DR. STA 34+50 - 38+00
SHEET NUMBER	C4.3

C4.3

1



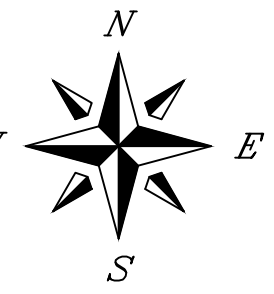




J. CONDON & ASSOCIATES, INC.  
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5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
815.728.0068  
IL DESIGN FIRM # 184-006759

NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
1" = 20'  
ISSUE DATE  
03/27/2024  
PROJECT MANAGER  
JEC  
DESIGNER  
LRT  
QUALITY CONTROL  
MAM

PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS

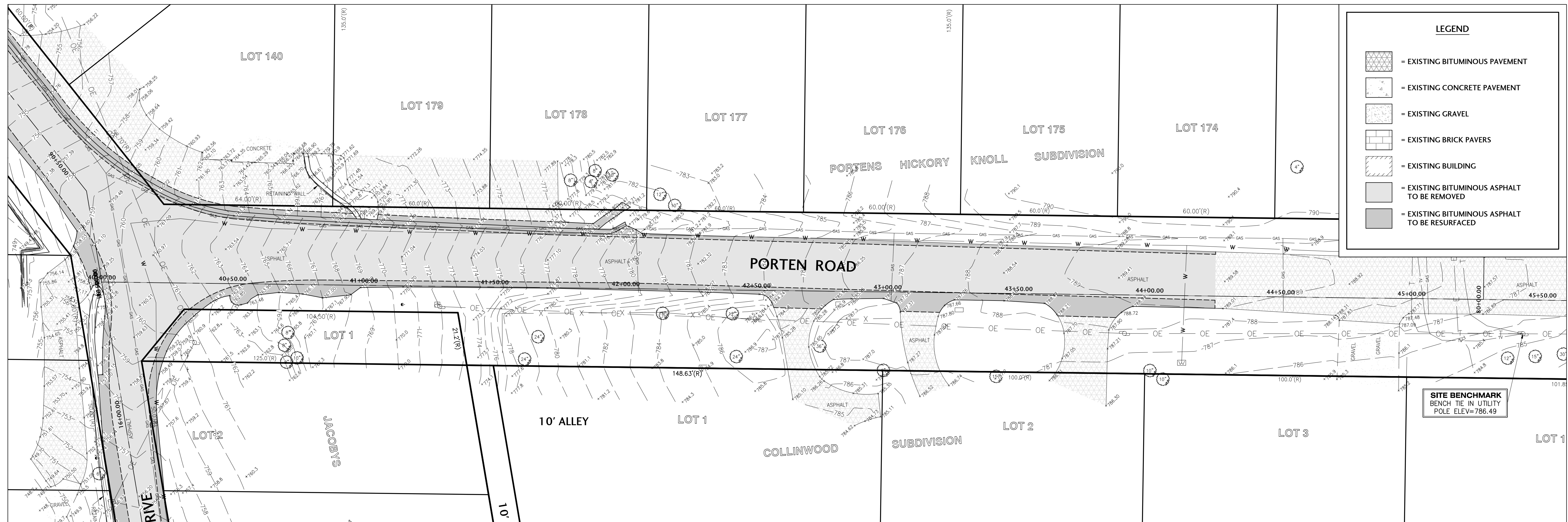
NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER  
NTRD-21020-3

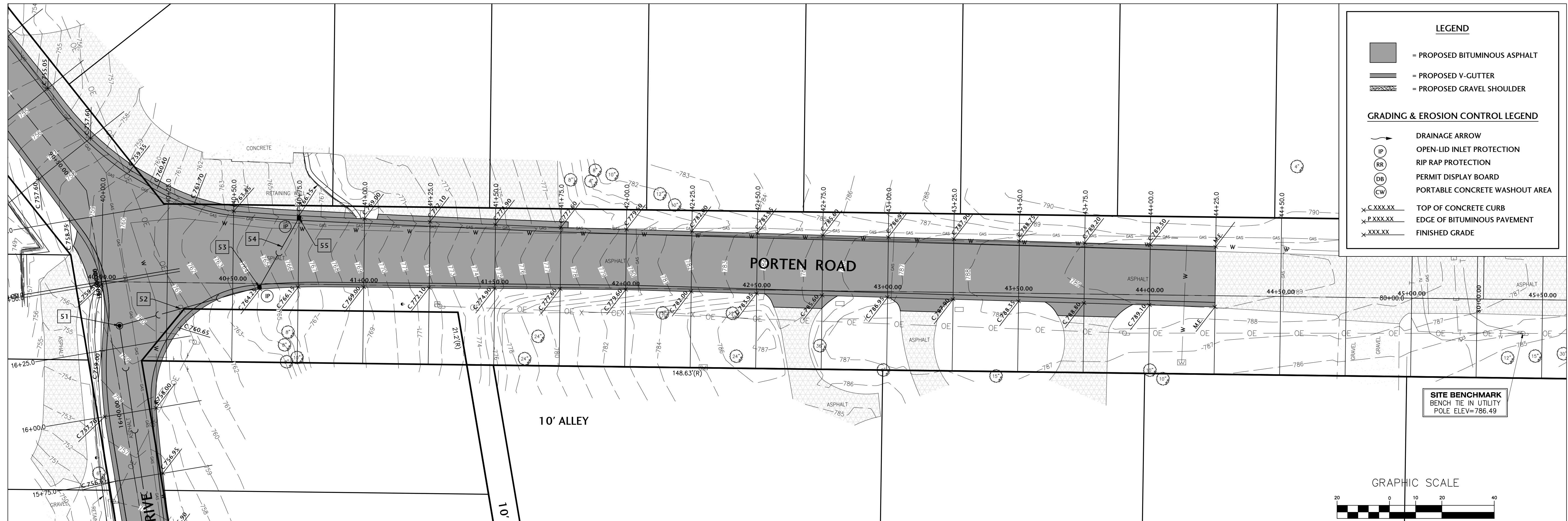
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PORTEN ROAD  
IMPROVEMENTS  
STA 40+00 TO 45+50

SHEET NUMBER

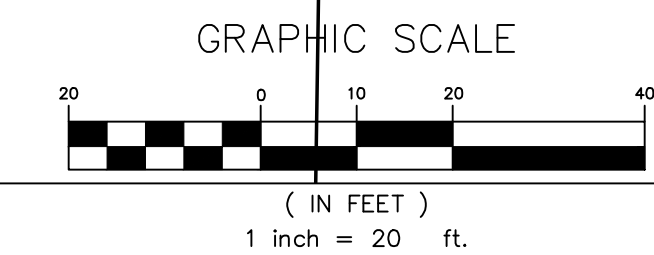
C5.0



**EXISTING CONDITIONS AND ROADWAY REMOVAL PLAN**



**PROPOSED ROADWAY PLAN**

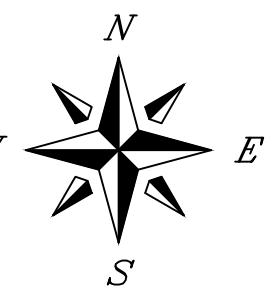




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815.728.0068  
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NUNDA TWP.  
ROAD DIST.

NUNDA TOWNSHIP,  
ILLINOIS



SCALE  
1"=10' H 1"=5' V

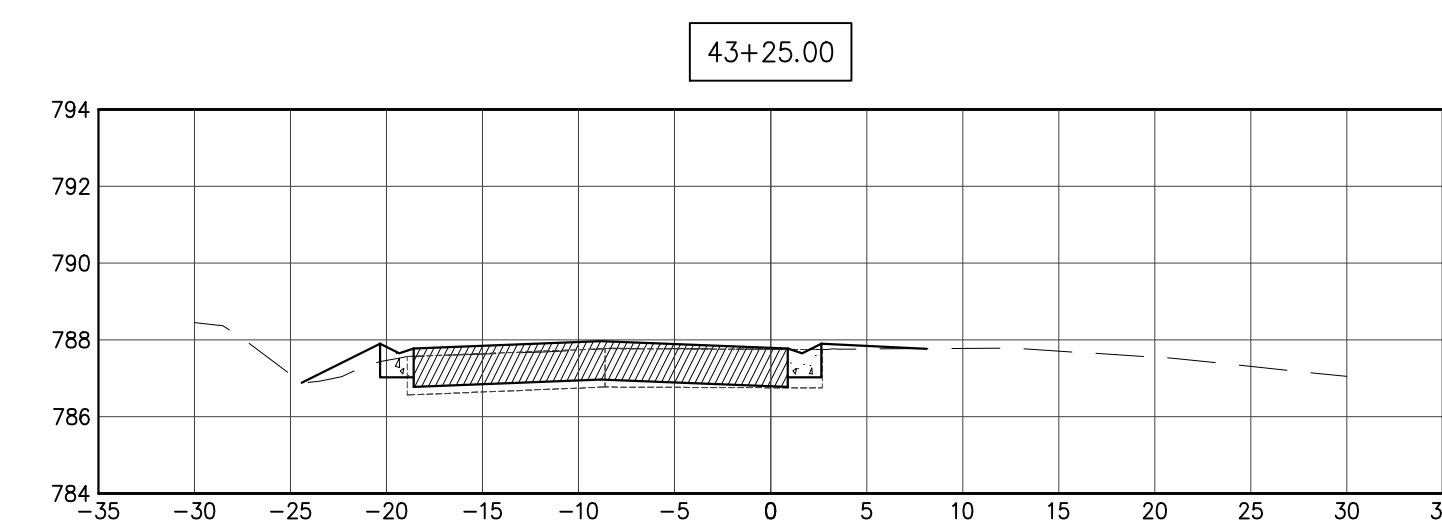
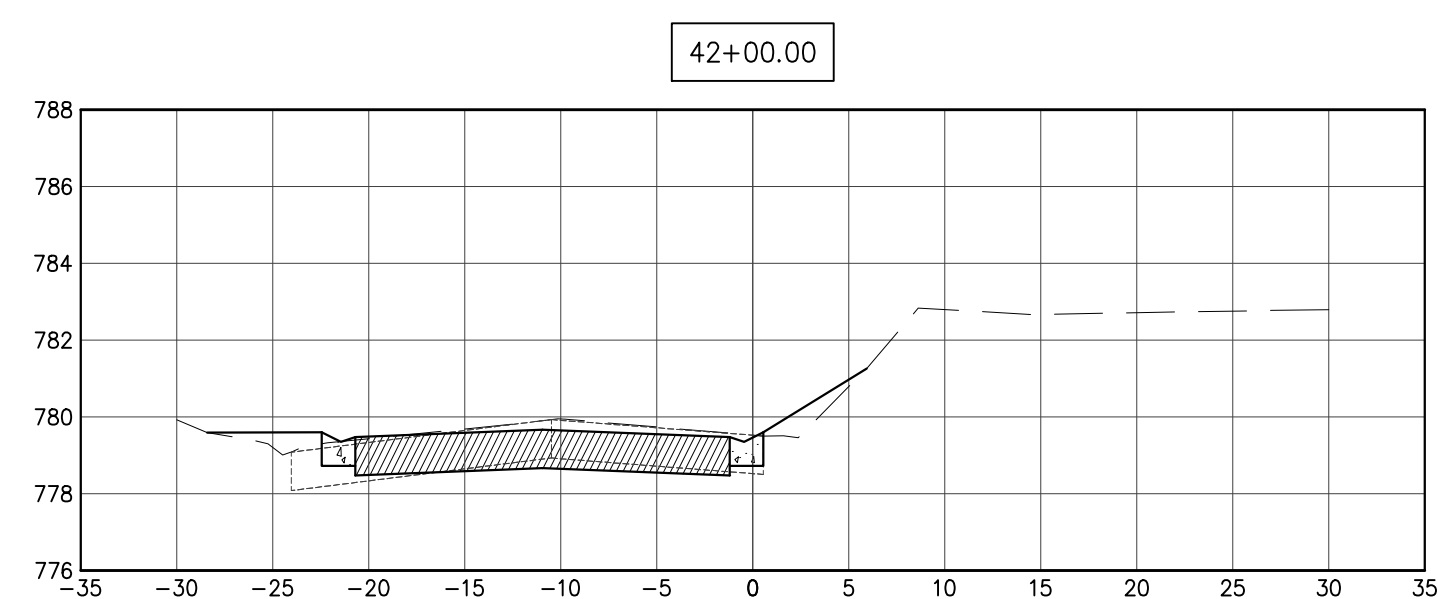
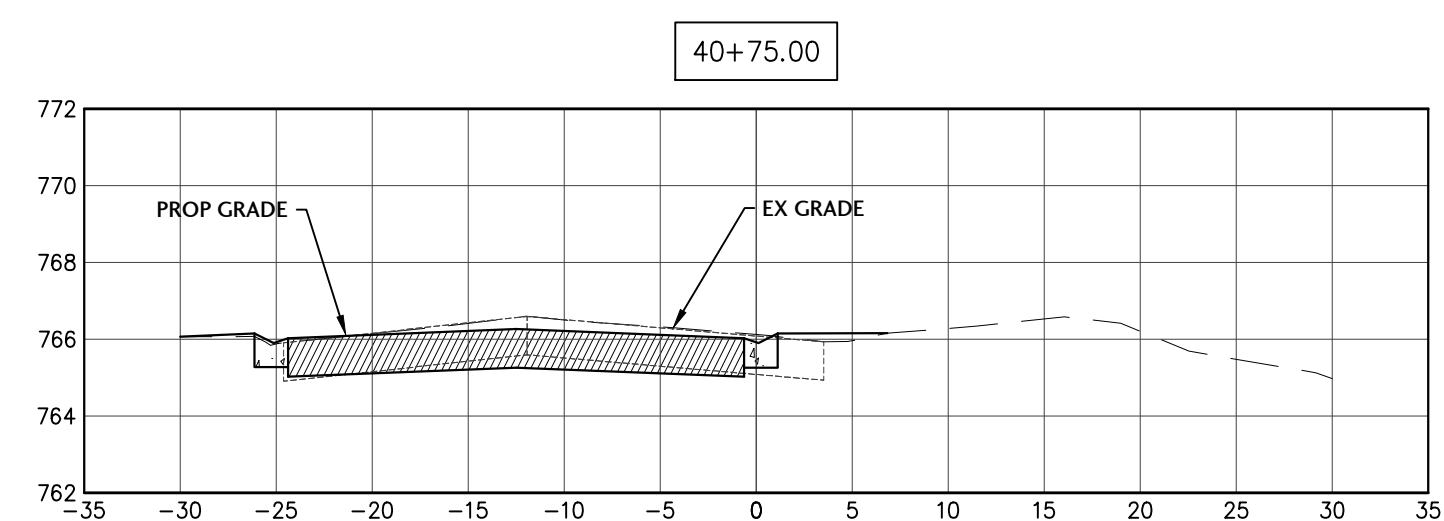
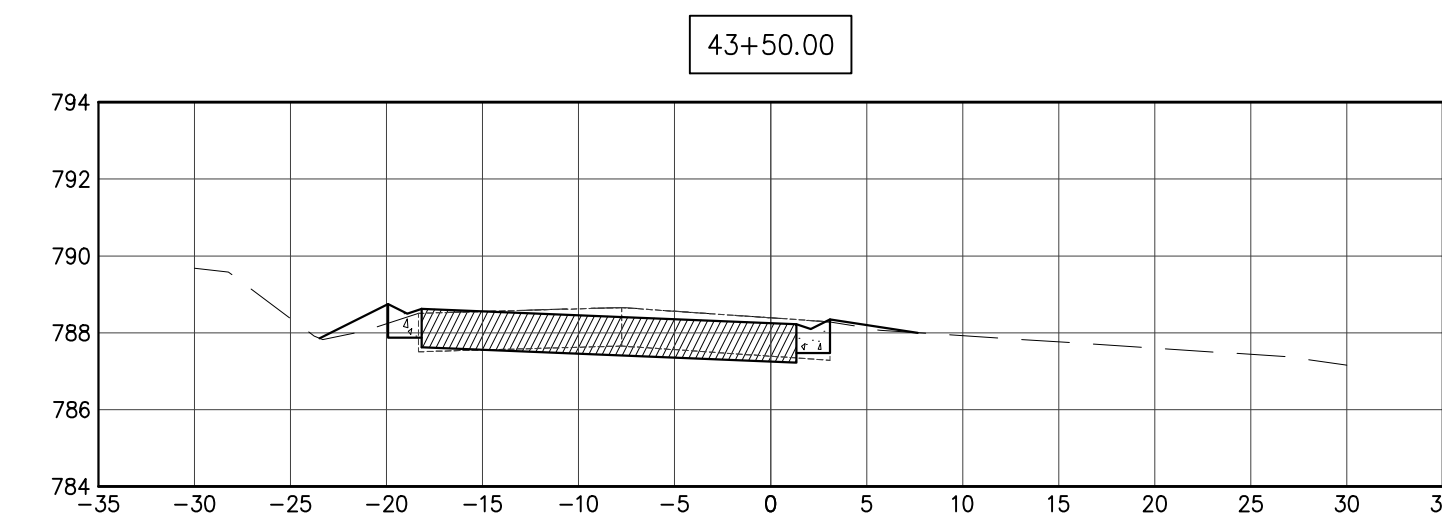
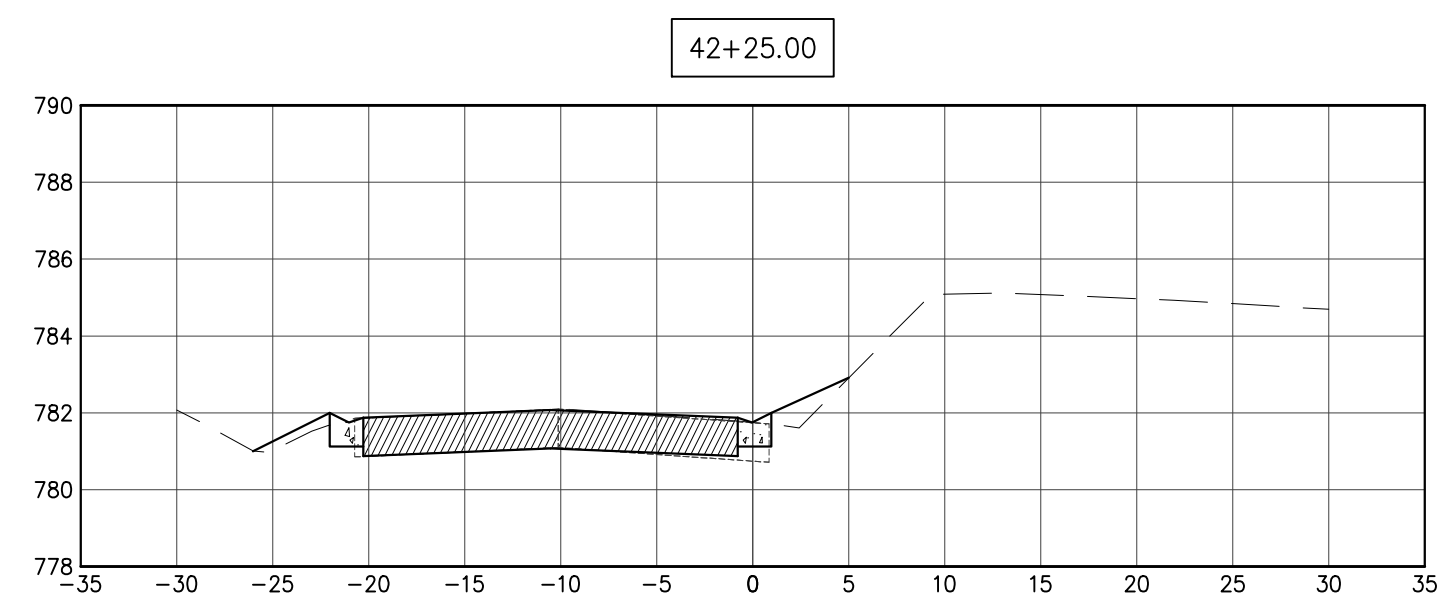
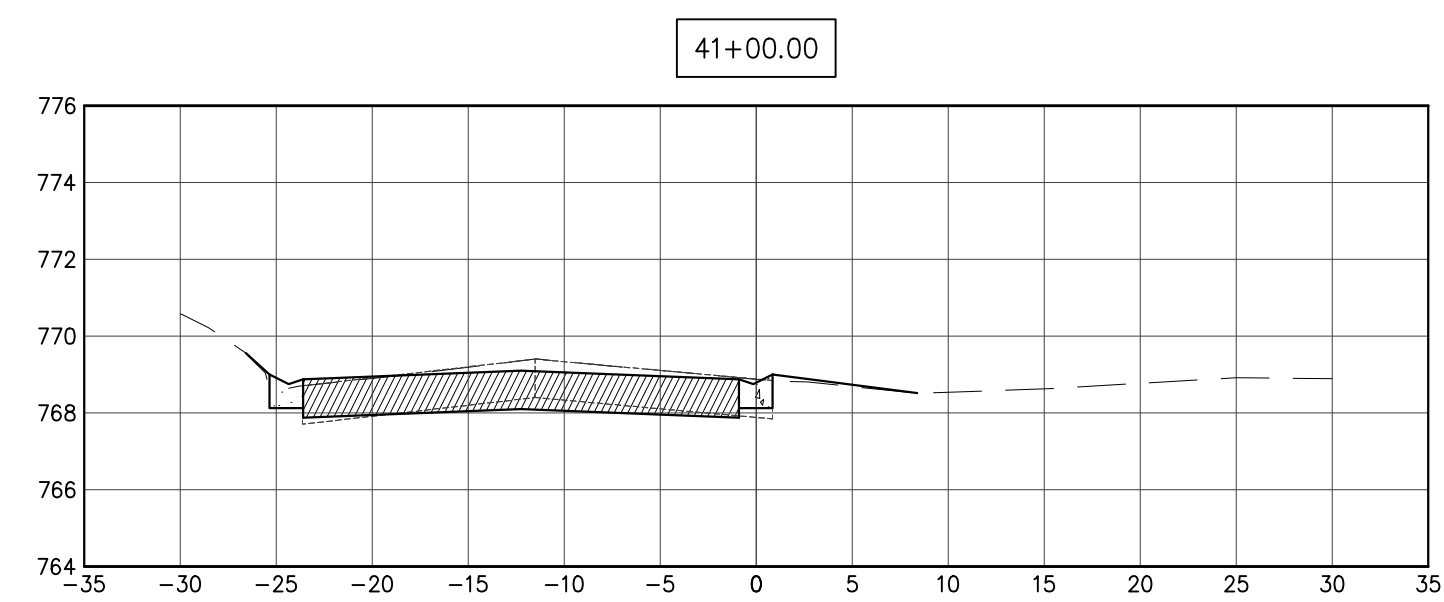
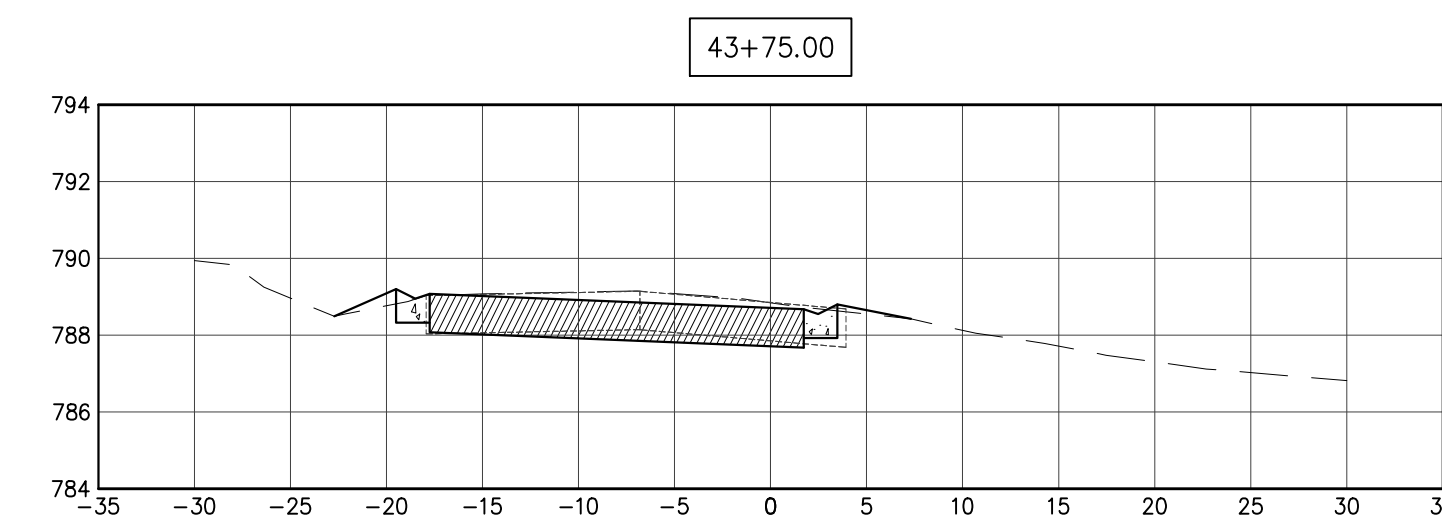
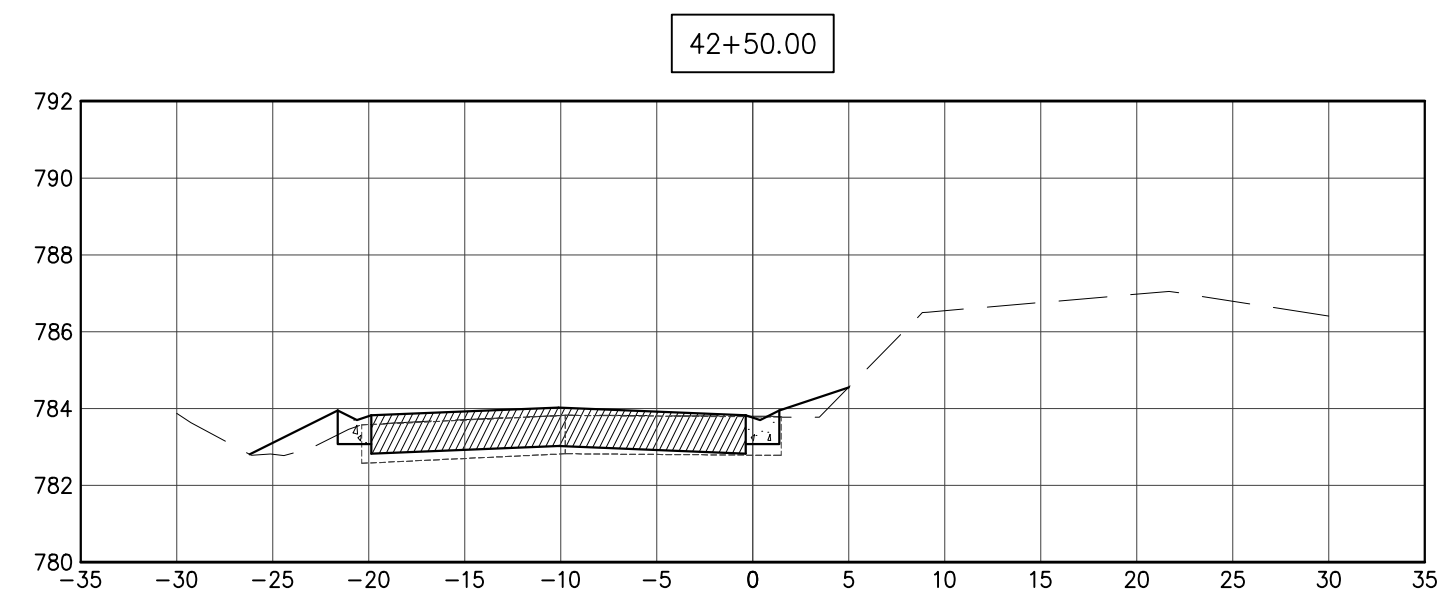
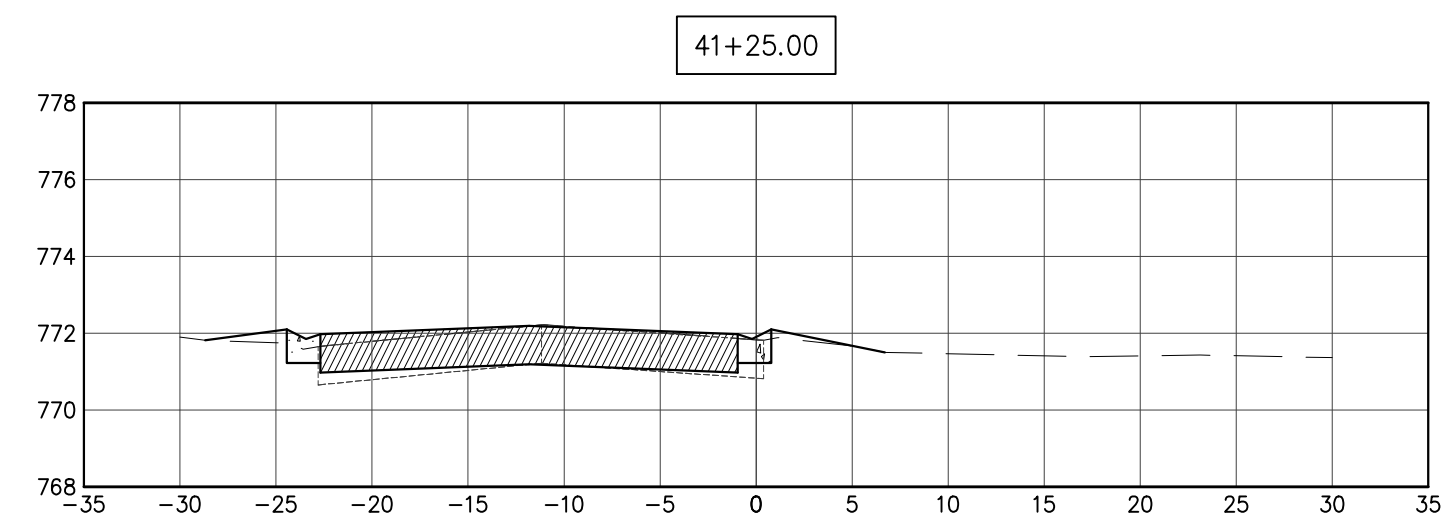
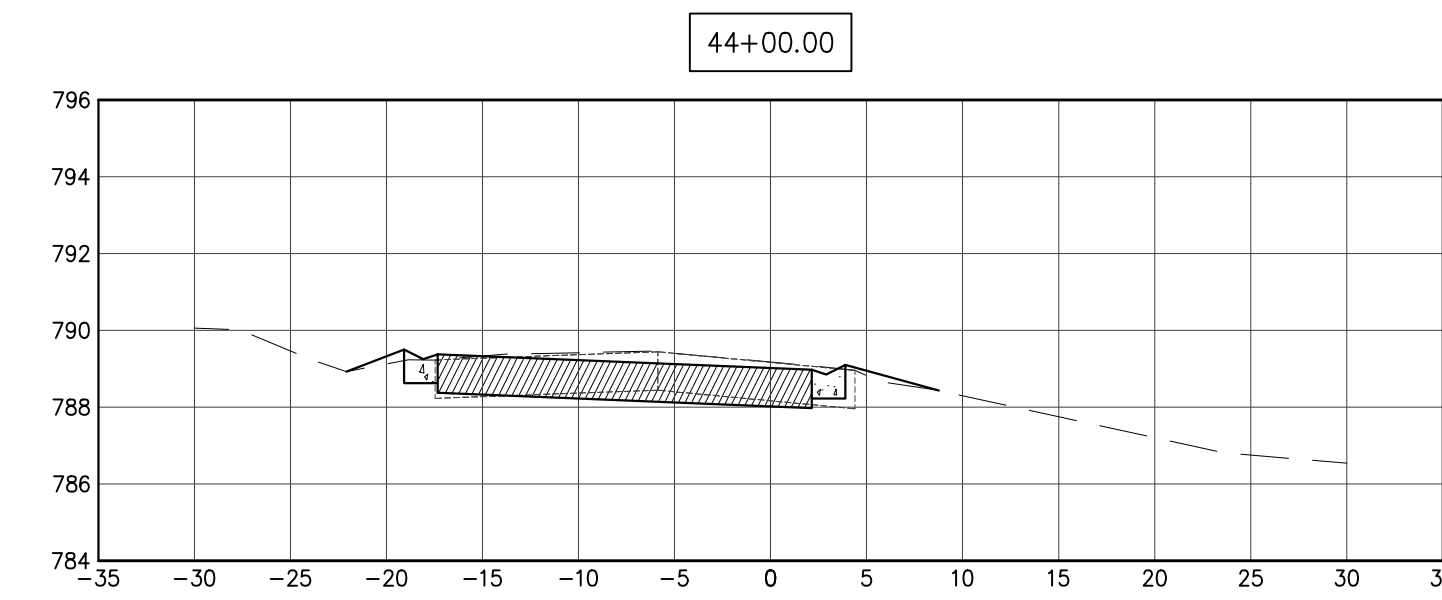
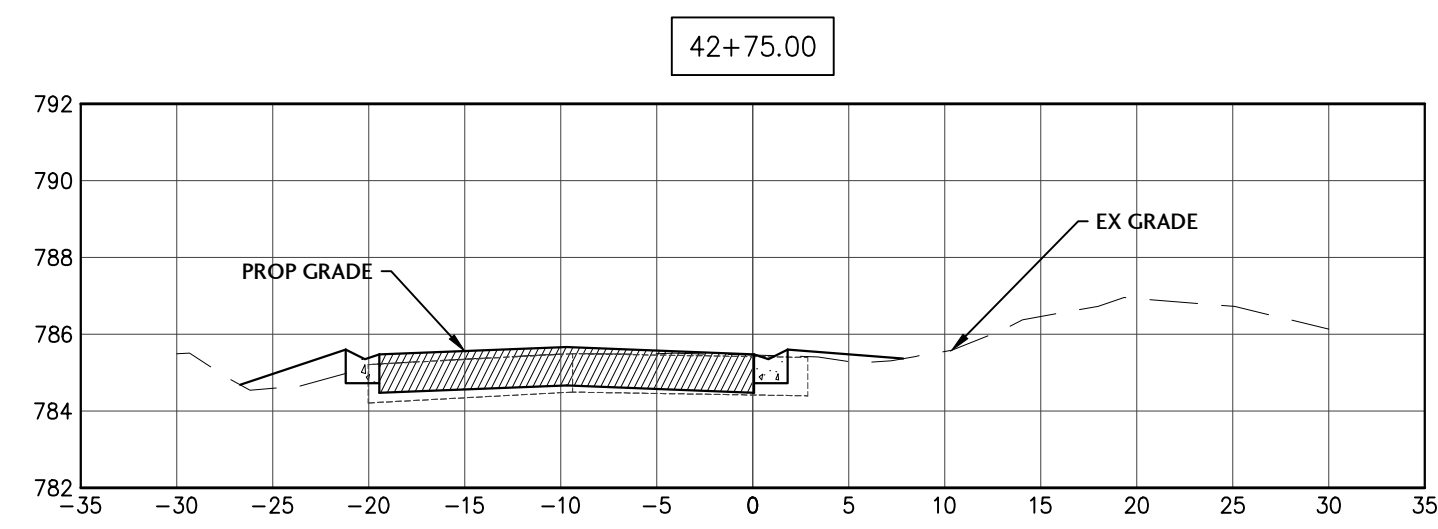
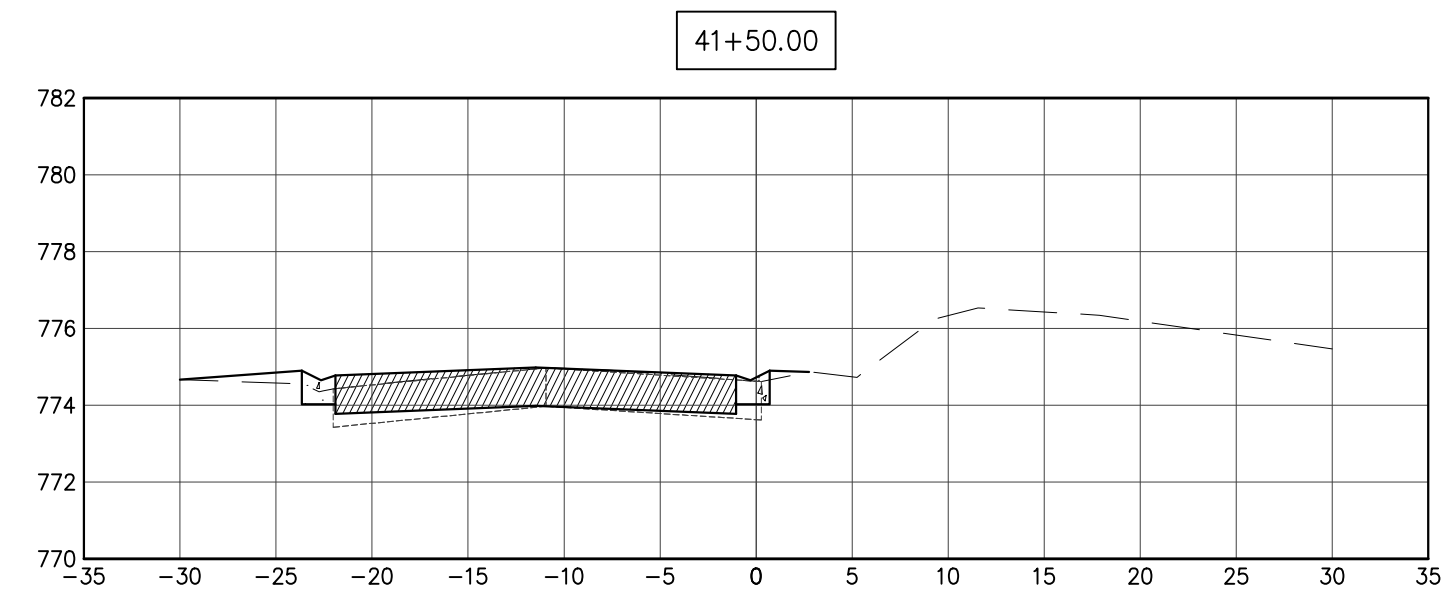
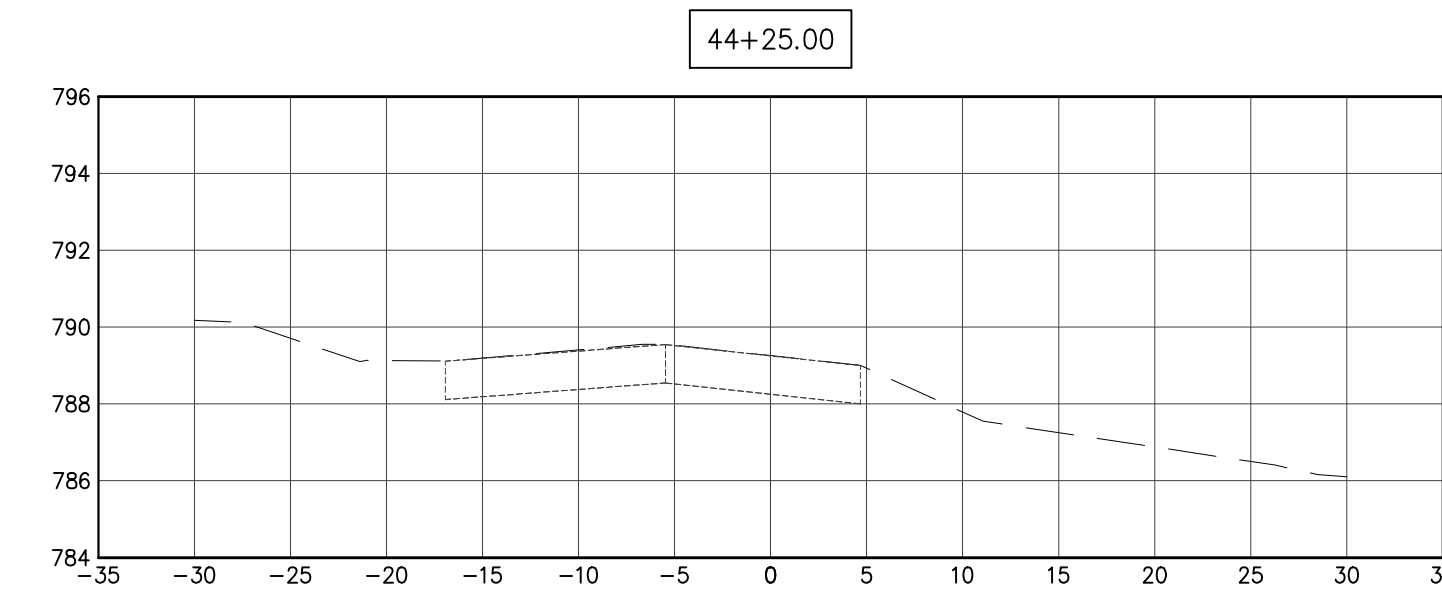
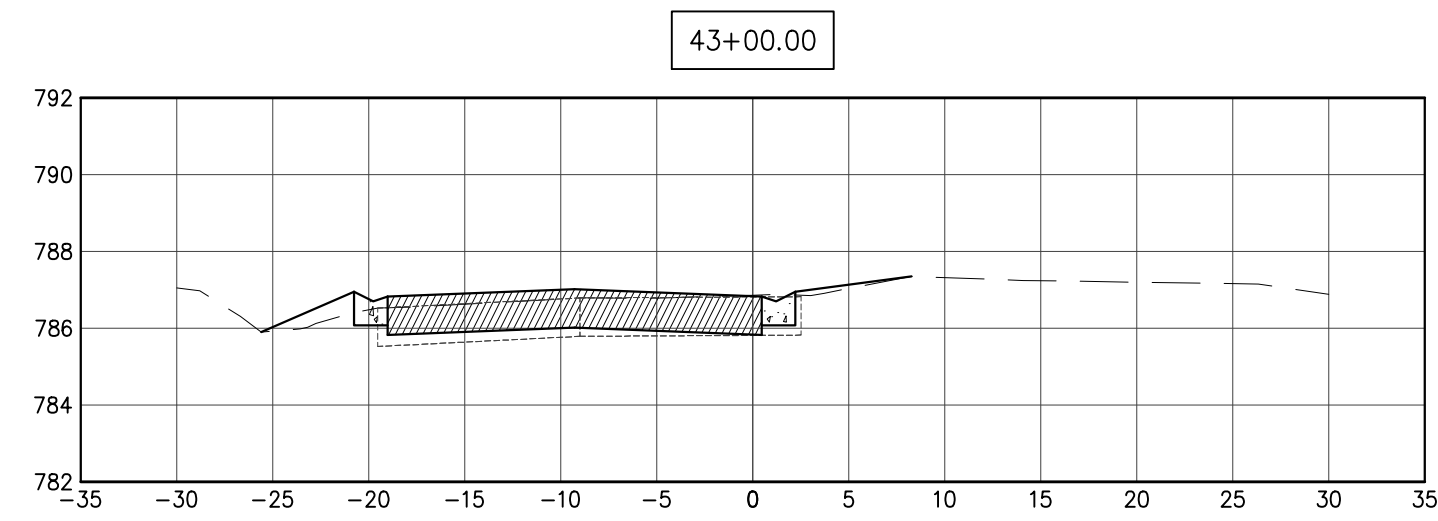
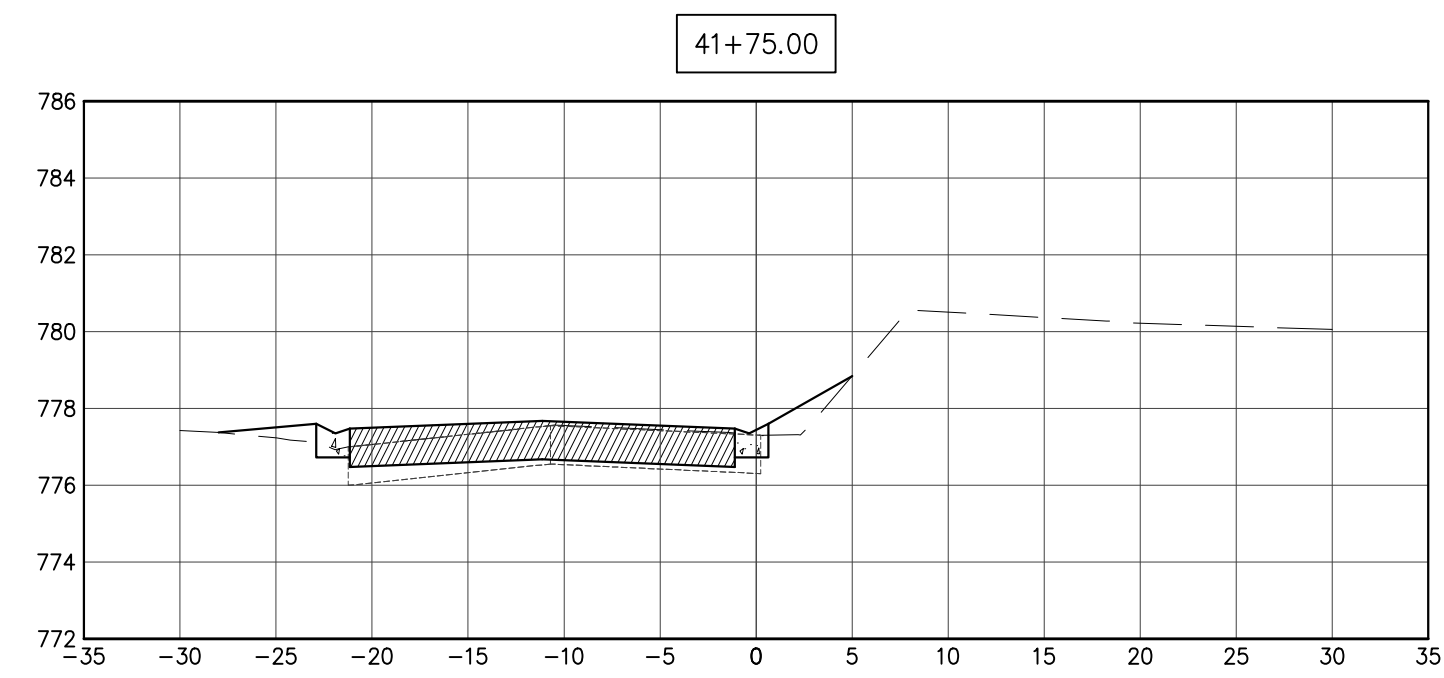
ISSUE DATE  
03/27/2024

PROJECT MANAGER  
JEC

DESIGNER  
LRT

QUALITY CONTROL  
MAM

PORTEN'S HICKORY  
KNOLL  
SUBDIVISIONS  
DRAINAGE &  
ROADWAY  
IMPROVEMENTS  
NUNDA TOWNSHIP,  
ILLINOIS



41+75.00

NO.	DATE	DESCRIPTION
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2	01/13/25	ISSUED FOR CONSTRUCTION

PROJECT NUMBER  
NTRD-21020-3

SHEET TITLE  
CROSS SECTIONS  
PORTEN RD.  
STA 40+75 - 44+00

SHEET NUMBER

C5.1

1

- Control measures shall meet the minimum standards and specifications of the *Illinois Urban Manual* ([www.aiswcd.org/IUM](http://www.aiswcd.org/IUM)) unless stated otherwise.
- Soil disturbance shall be conducted in such a manner as to minimize erosion. Areas of the development site that are not to be disturbed shall be protected from construction traffic or other disturbance until final stabilization is achieved.
- Soil stabilization measures shall consider the time of year, development site conditions and the use of temporary or permanent measures.
- Stabilization by seeding shall include topsoil placement and fertilization, as necessary.
- Native seed mixtures shall include rapid-growing annual grasses or small grains to provide initial, temporary soil stabilization.
- Offsite property shall be protected from erosion and sedimentation. Velocity dissipation devices shall be placed at concentrated discharge locations and along the length of any outfall channel, as necessary to prevent erosion.
- Sediment control measures shall be installed prior to the disturbance of tributary areas.
- Stabilization of disturbed areas shall be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the development site, or temporarily ceased on any portion of the development site and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas shall be initiated within 1 working day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible, but not later than 14 calendar days from the initiation of stabilization work in an area. Exceptions to these time frames are specified below:
  - Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable; and
  - In areas where construction activity has temporarily ceased and will resume after 14 days, a temporary stabilization method may be used.
- Disturbance of steep slopes shall be minimized. Areas or embankments having slopes steeper than 3:1 shall be stabilized with staked in place sod, erosion control blanket in combination with seeding, or an equivalent control measure.
- Perimeter control measures shall be provided downslope and perpendicular to the flow of runoff from disturbed areas, where the tributary area is greater than 5,000 square feet, and where runoff will flow in a sheet flow manner. Perimeter erosion control shall also be provided at the base of soil stockpiles.
- The stormwater management system shall be protected from erosion and sedimentation downslope from disturbed areas. Inlet protection that reduces sediment loading, while allowing runoff to enter the inlet shall be required for all storm sewers. Check dams, or an equivalent control measure, shall be required for all channels. Filter fabric inlet protection and straw bale ditch checks are not acceptable control measures.
- If dewatering services are used, discharges shall be routed through an effective sediment control measure (e.g., sediment trap or an equivalent control measure). The Enforcement Officer shall be notified prior to the commencement of dewatering activities.
- All temporary soil erosion and sediment control measures shall be removed within 30 days after final stabilization of the development site is achieved or after the temporary measures are no longer necessary. Trapped sediment shall be removed and disturbed areas shall be permanently stabilized.
- Stockpiled soil and materials shall be removed from flood hazard areas at the end of each work day. Soil and materials stockpiled in IWMC or buffer areas shall be placed on timber mats, or an equivalent control measure.
- Effective control measures shall be utilized to minimize the discharge of pollutants from the development site. At a minimum, control measures shall be implemented in order to:
  - Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash water; and
  - Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, vehicle fluids, sanitary waste, and other materials present on the development site to precipitation and to stormwater.
- Adequate receptacles shall be provided for the depositing of all construction material debris generated during the development process. The applicant shall not cause or permit the dumping, depositing, dropping, throwing, discarding or leaving of construction material debris upon or into any development site, channel, or IWMC. The development site shall be maintained free of construction material debris.
- The Enforcement Officer may require additional or alternate soil erosion and sediment control measures, based on development site specific considerations and the effectiveness of the installed control measures.

Standard Drain Tile Notes

- Drain tiles disturbed during regulated development shall be reconnected by those responsible for their disturbance, unless the development plans specify abandonment of the drain tiles.
- All abandoned drain tiles within disturbed areas shall be removed in their entirety.
- Drain tiles within the disturbed area of a development site shall be replaced, bypassed around the development site or intercepted and connected to the stormwater management system for the development site. The size of the replaced or bypassed drain tile shall be equivalent to the existing drain tile.

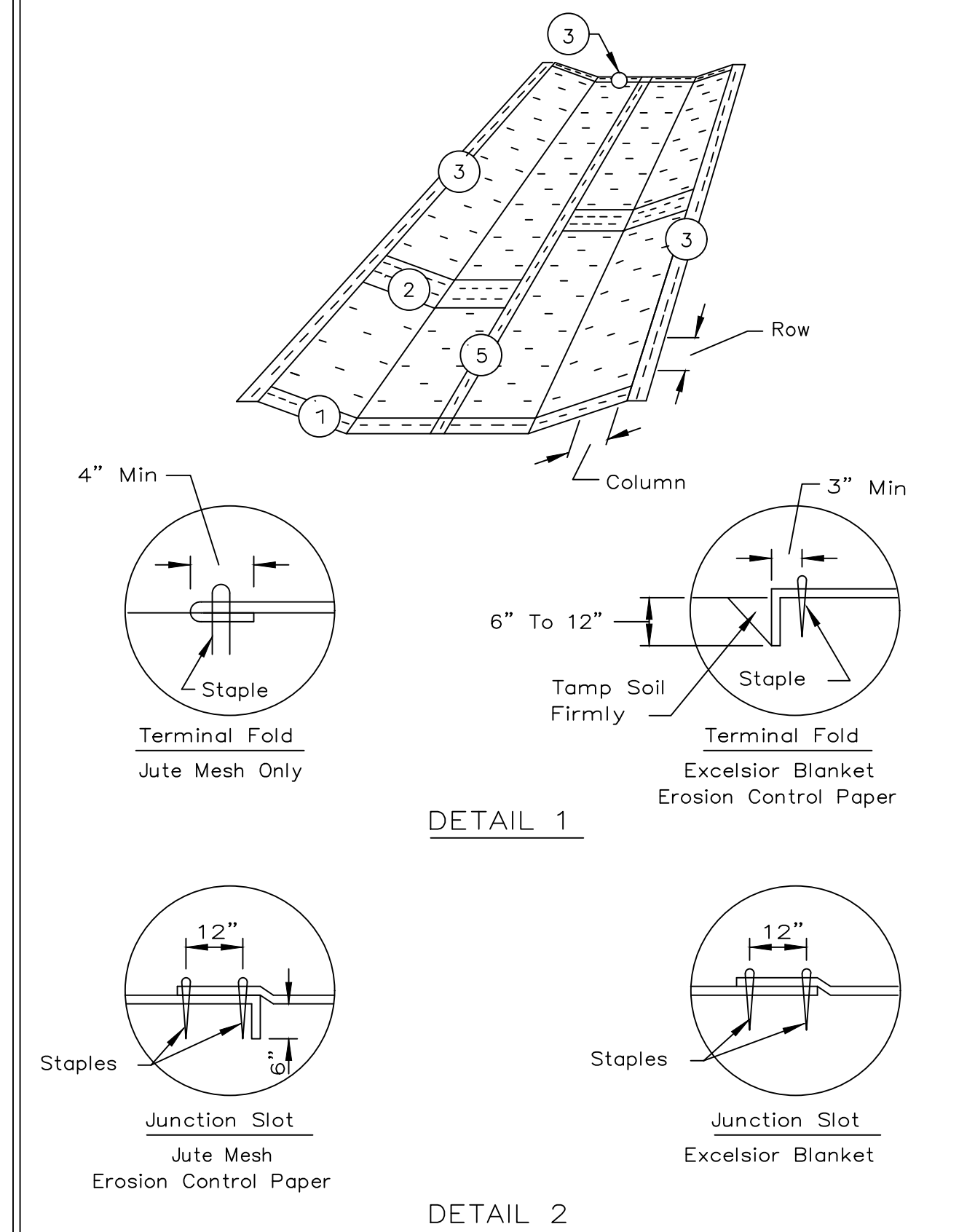
EROSION CONTROL SEQUENCE OF CONSTRUCTION/EROSION CONTROL MEASURES

- Installation of sedimentation and erosion control measures.
- Construction of detention basins and sediment traps.
- Site clearing and topsoil stripping.
- Excavation and grading.
- Placement of topsoil on disturbed areas.
- Seeding, landscaping and final stabilization Seeding to be completed within 7 days of final grading.
- All temporary erosion control measures shall be removed and disposed of within 30 days of final stabilization. All trapped sediment is required to be stabilized or disposed.

EROSION CONTROL NOTES

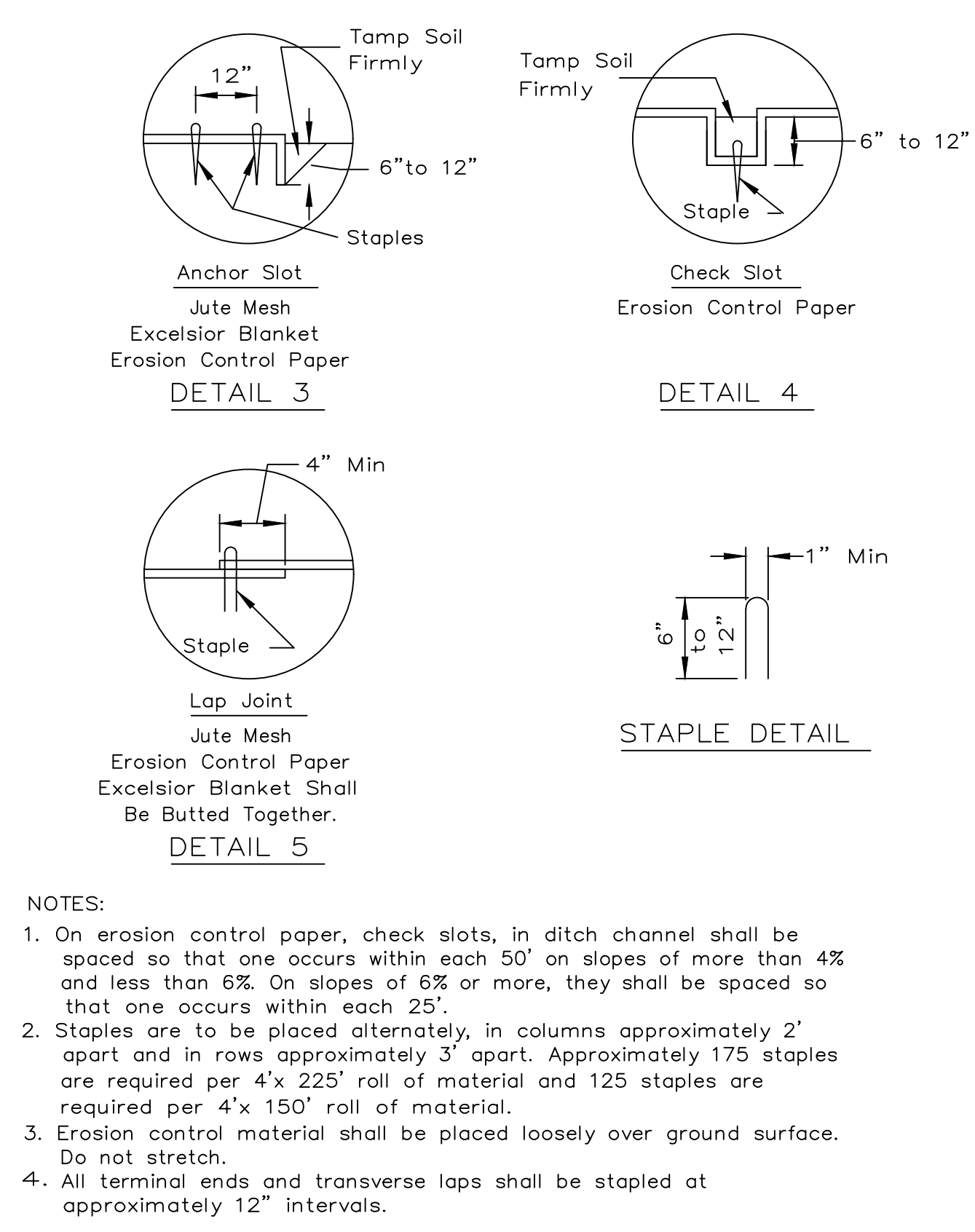
- Construction on this site shall comply with all CITY/VILLAGE/COUNTY ordinances pertaining to erosion control.
- All disturbed areas shall be stabilized within 7 days of active disturbance.
- All roadways shall be cleaned at the end of each day.
- Silt Sack/approved equal measure shall be placed between all open frame and grates.
- All erosion and sediment control practices shall be maintained and repaired as needed to ensure effective performance of the required erosion control measures.
- All temporary erosion control measures shall be removed and disposed of within 30 days of final stabilization. All trapped sediment is required to be stabilized or disposed.
- All erosion and sediment control work shall conform to the *Illinois Urban Manual* for erosion control.

EROSION BLANKET PLAN



REFERENCE Project _____ Date _____	<p><b>NRCS</b> Natural Resources Conservation Service</p>	STANDARD DWG. NO. IL-530
Designed _____ Date _____		SHEET 1 OF 2
Checked _____ Date _____		DATE 5-24-94
Approved _____ Date _____		

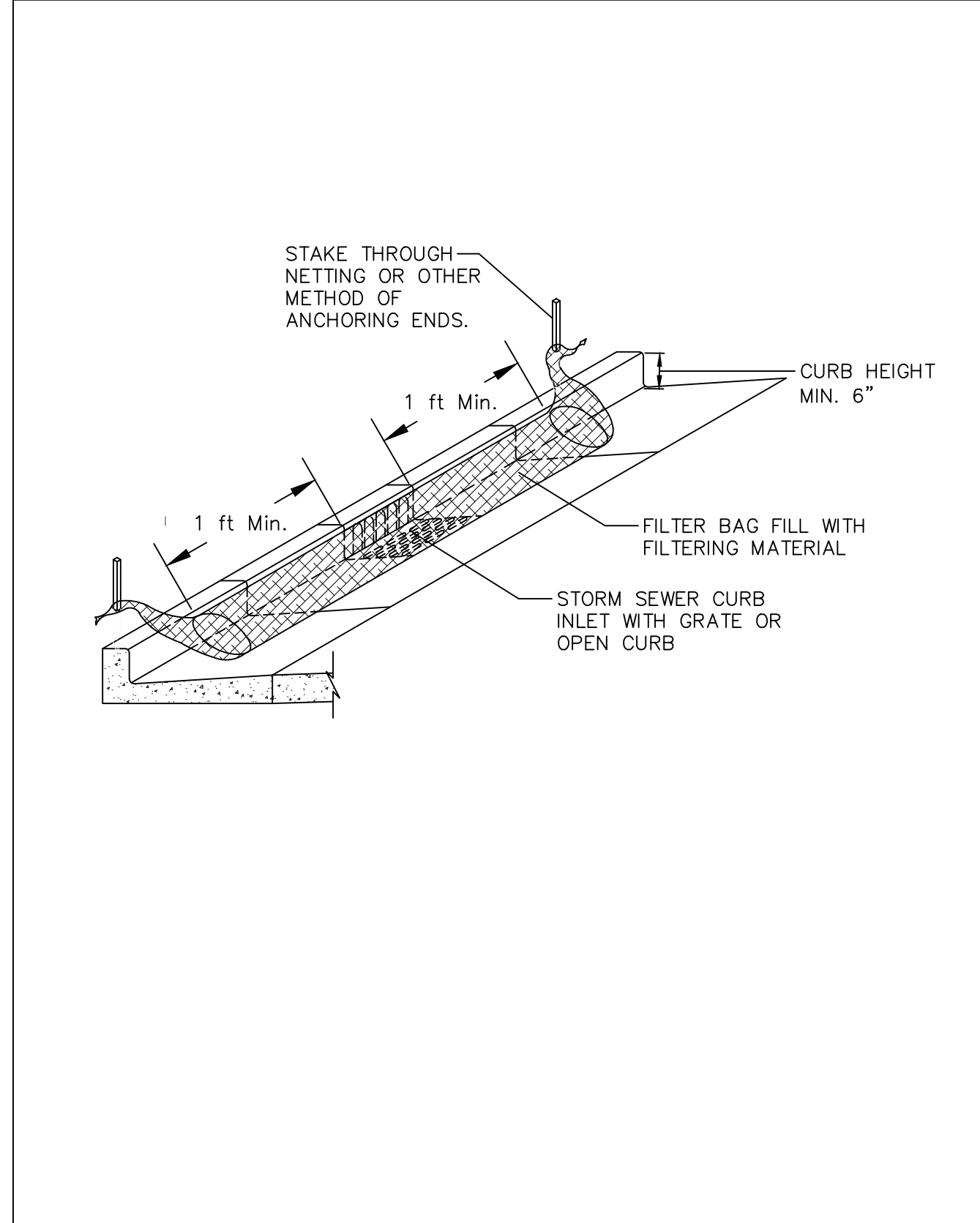
EROSION BLANKET PLAN



REFERENCE Project _____ Date _____	<p><b>NRCS</b> Natural Resources Conservation Service</p>	STANDARD DWG. NO. IL-530
Designed _____ Date _____		SHEET 2 OF 2
Checked _____ Date _____		DATE 3-1-95
Approved _____ Date _____		

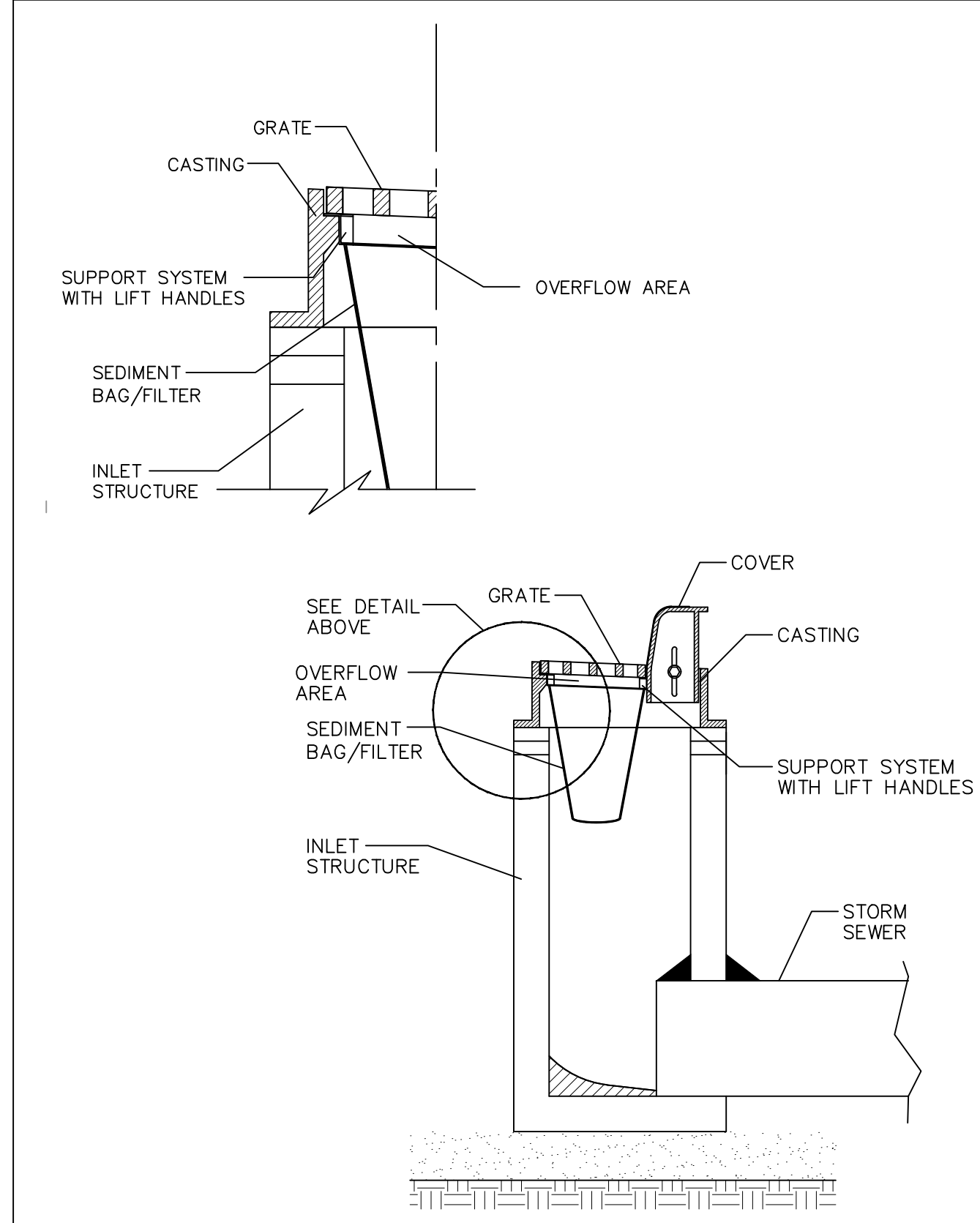
- NOTES:
- On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
  - Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4' x 225' roll of material and 125 staples are required per 4' x 150' roll of material.
  - Erosion control material shall be placed loosely over ground surface. Do not stretch.
  - All terminal ends and transverse laps shall be stapled at approximately 12" intervals.

INLET PROTECTION - PAVED AREAS CURB PROTECTION



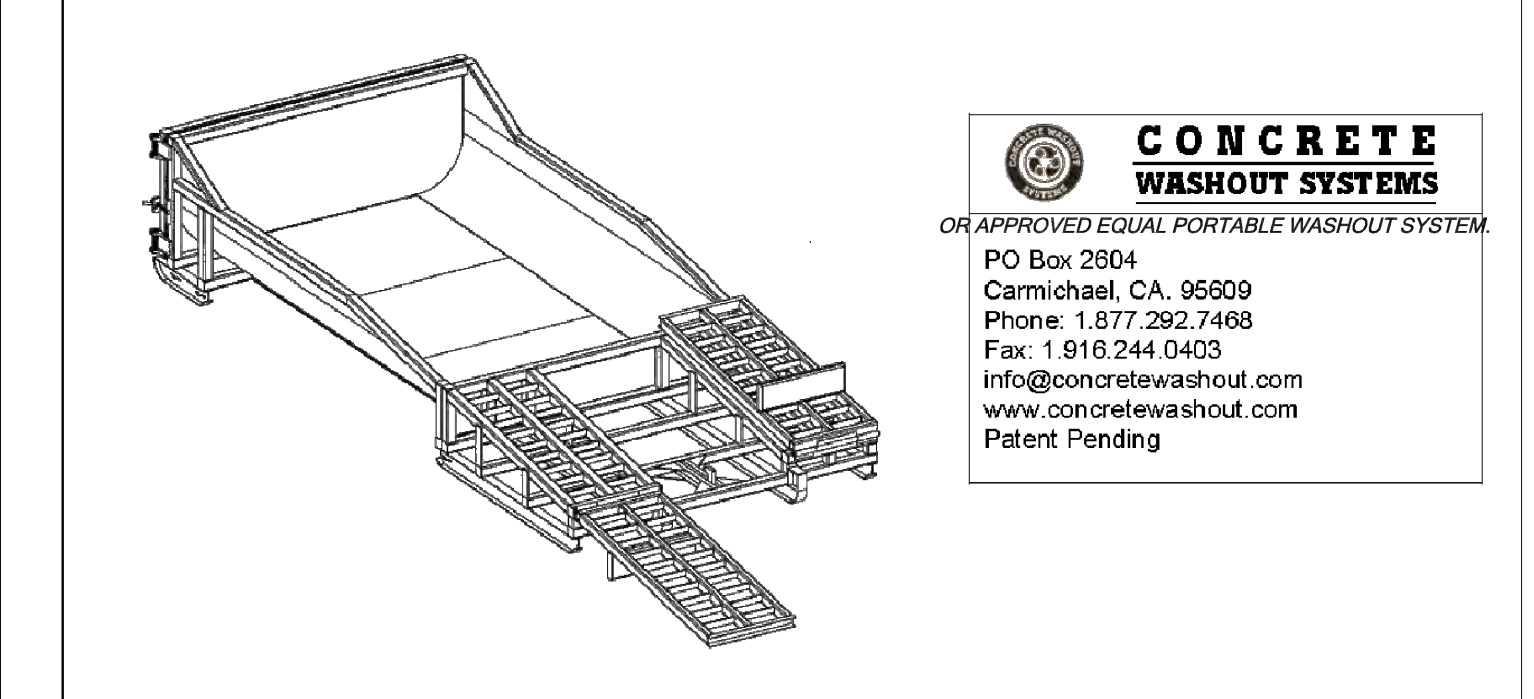
REFERENCE Project _____ Date _____	<p><b>NRCS</b> Natural Resources Conservation Service</p>	STANDARD DWG. NO. IUM-561C
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 01-11-11
Approved _____ Date _____		

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



REFERENCE Project _____ Date _____	<p><b>NRCS</b> Natural Resources Conservation Service</p>	STANDARD DWG. NO. IUM-561D
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 01-11-11
Approved _____ Date _____		

PORTABLE CONCRETE WASHOUT CONTAINER



**CONCRETE WASHOUT SYSTEMS**  
OR APPROVED EQUAL PORTABLE WASHOUT SYSTEM  
PO Box 2804  
Carmichael, CA, 95609  
Phone: 1.877.292.7408  
Fax: 1.916.244.0403  
info@concretewashout.com  
www.concretewashout.com  
Patent Pending

**DESCRIPTION**  
A portable, self-contained and watertight container affixed with ramps that controls, captures and contains caustic concrete wastewater and washout material.

**PURPOSE & OBJECTIVE**  
Allows trade personnel to easily washout concrete trucks, pumps and other equipment associated with cement on site and allows easy off site recycling of the same concrete materials and wastewater.

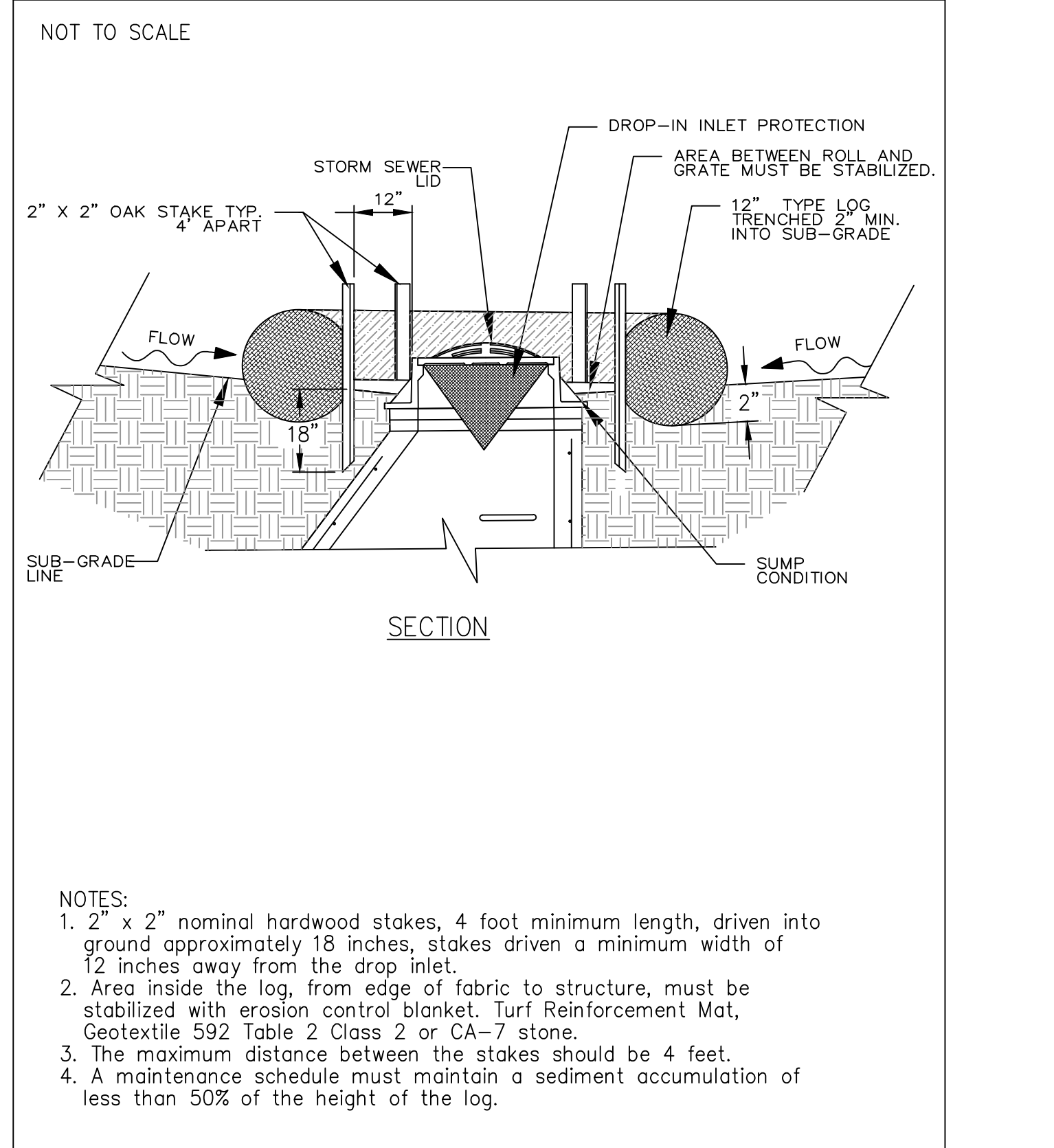
**APPLICATION**  
Construction projects where concrete, stucco, mortar, grout and cement are used as a construction material or where cementitious wastewater is created.

**MAINTENANCE**  
Inspect and clean out when 3/4 full, not allowing the container to overflow. Inspect wastewater level and request a vacuum if needed. Inspect subcontractors to ensure that proper housekeeping measures are employed when washing out equipment.

**SPECIFICATIONS**  
The container must be portable and temporary, watertight, equipped with ramps and have a holding capacity to accept washout from approximately 800 yards of poured concrete. A vacuum service must accompany washout container and be used by the contractor as needed. A ramplless container may be used in conjunction with a ramped container or by itself if a concrete pump is not needed. The washwater must be disposed of or treated and recycled in an environmentally safe manner and in accordance with federal, state or local regulatory guidelines.

**TARGETED POLLUTANTS**  
Caustic wastewater (high pH level near 12 units)  
Suspended solids  
Assorted Metals: Chromium VI, Nickel, Sulfate, Potassium, Magnesium and Calcium Compounds

INLET PROTECTION LOG TYPE



REFERENCE Project _____ Date _____	<p><b>NRCS</b> Natural Resources Conservation Service</p>	STANDARD DWG. NO. IUM-562
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 11-30-2015
Approved _____ Date _____		



**J. CONDON & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
5415 BUSINESS PARKWAY  
RINGWOOD, ILLINOIS 60072  
815.728.0068  
IL DESIGN FIRM # 184-006759

**NUNDA TWP. ROAD DIST.**  
NUNDA TOWNSHIP, ILLINOIS

SCALE	N/A
ISSUE DATE	03/27/2024
PROJECT MANAGER	JEC
DESIGNER	LRT
QUALITY CONTROL	MAM

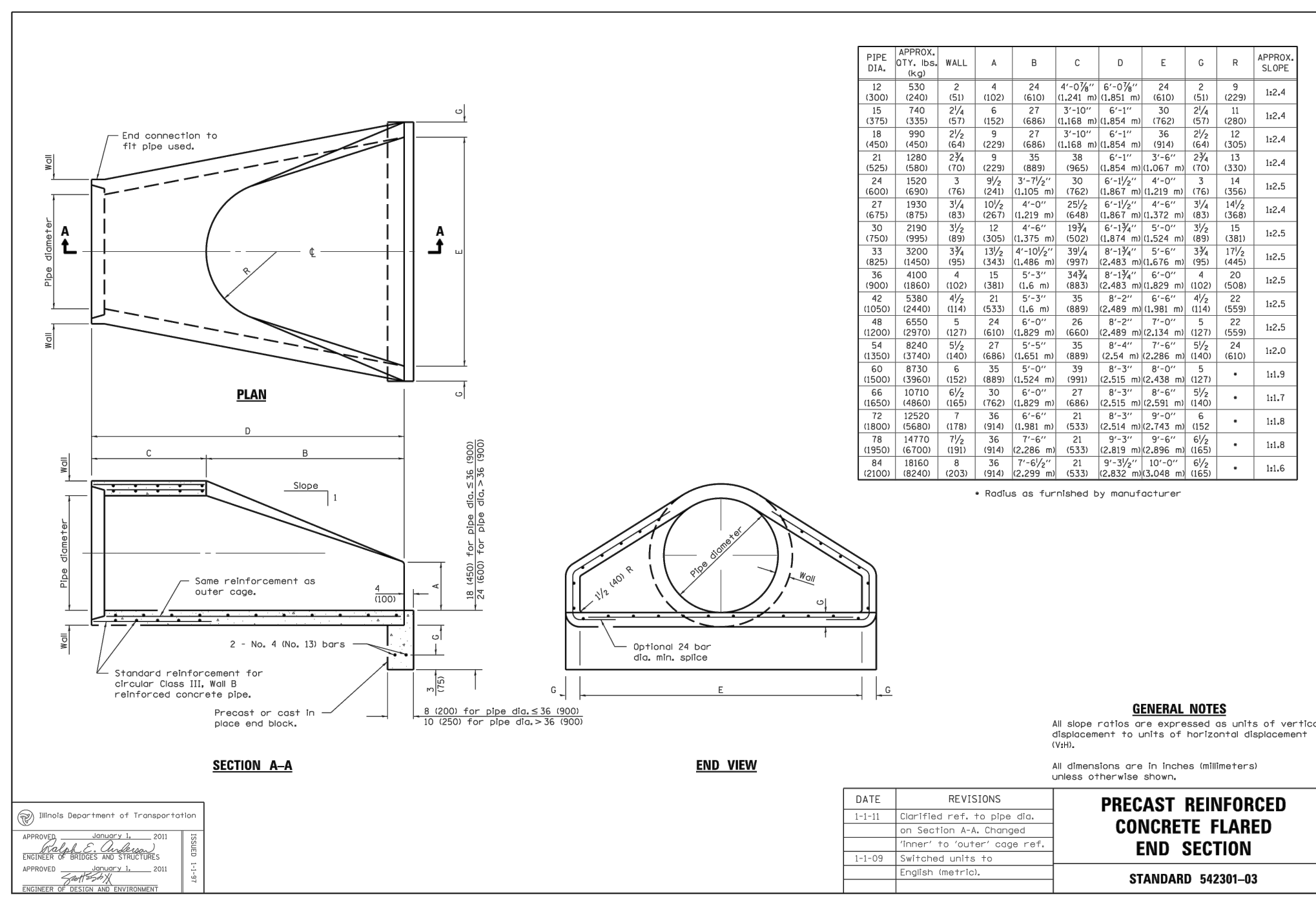
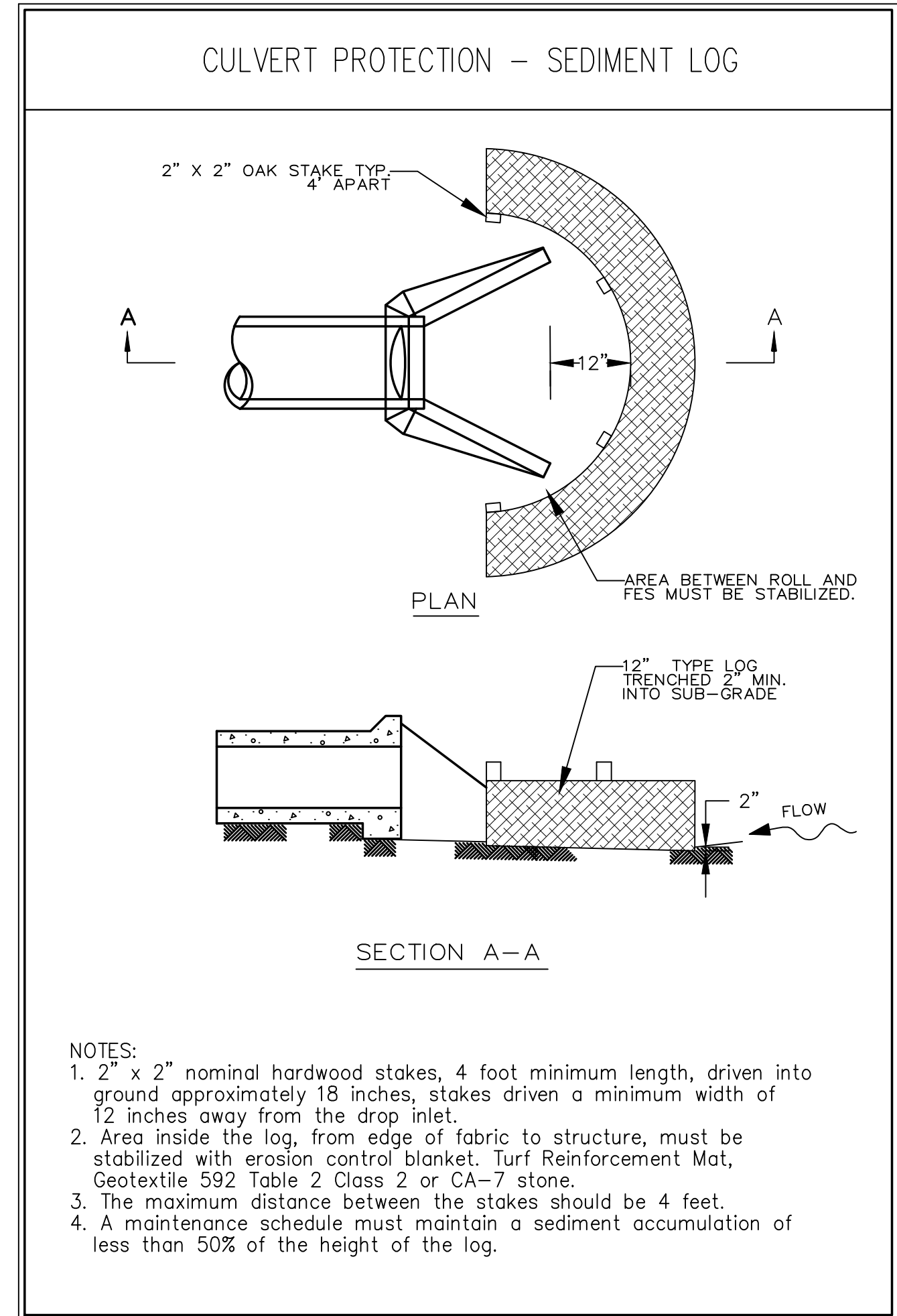
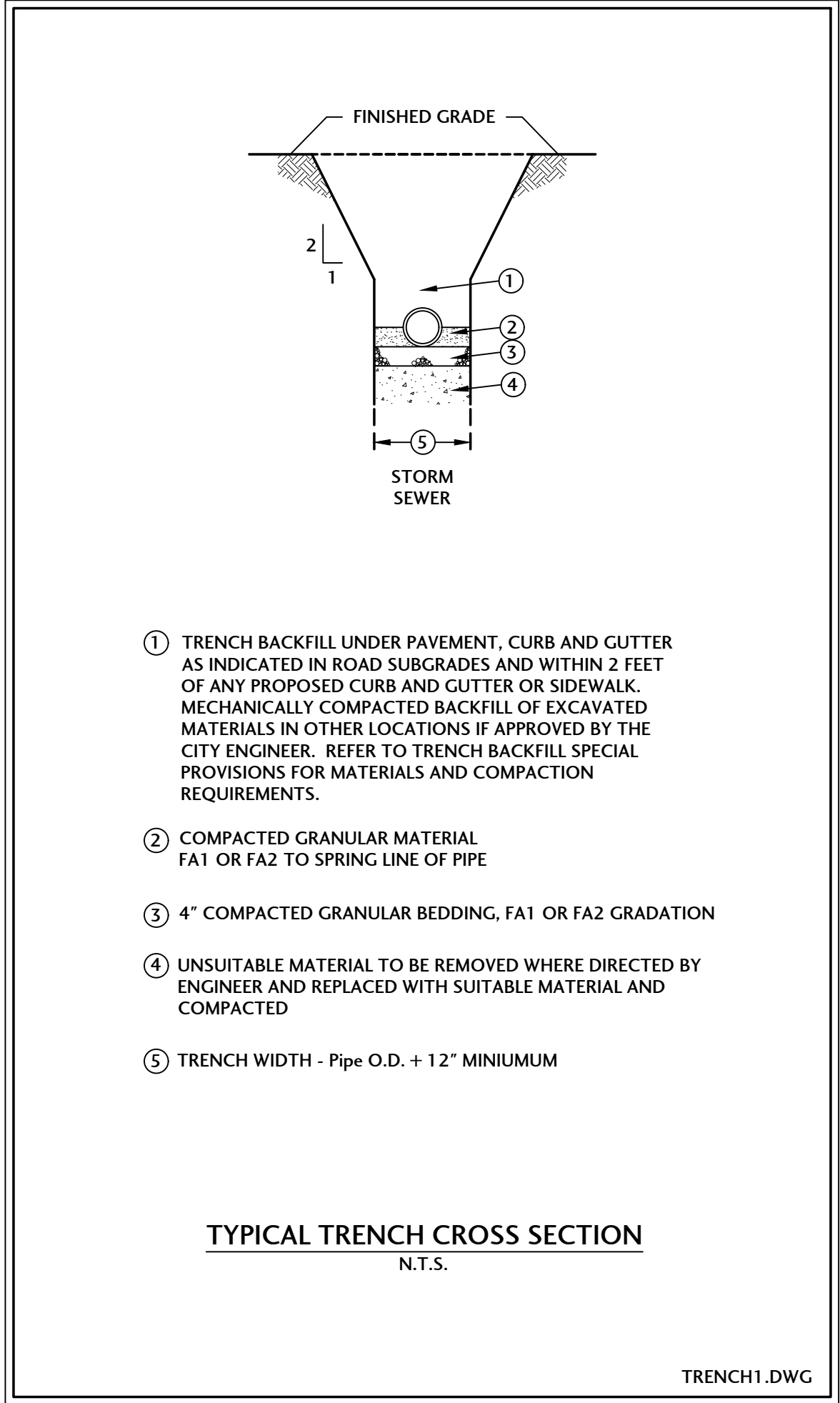
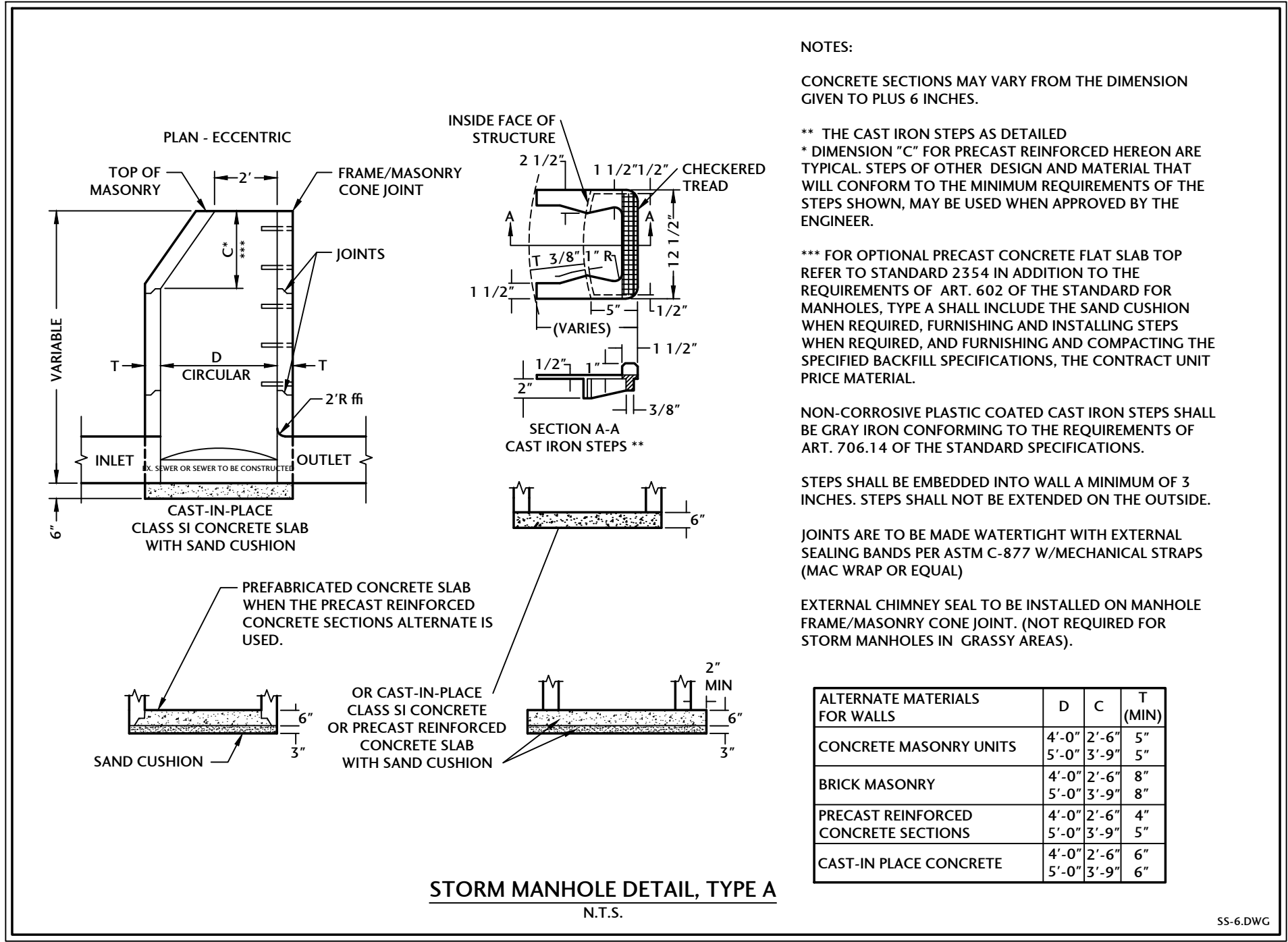
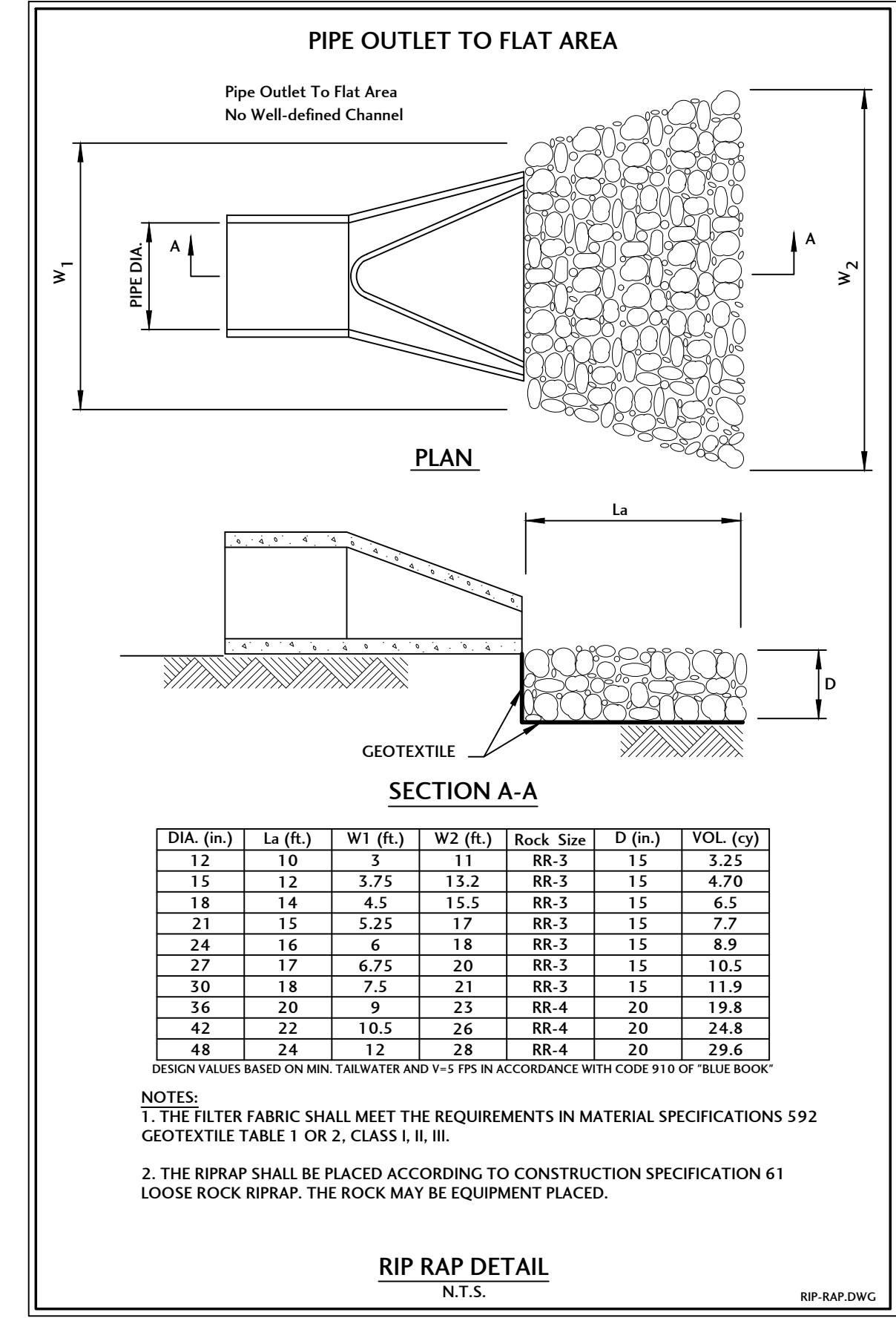
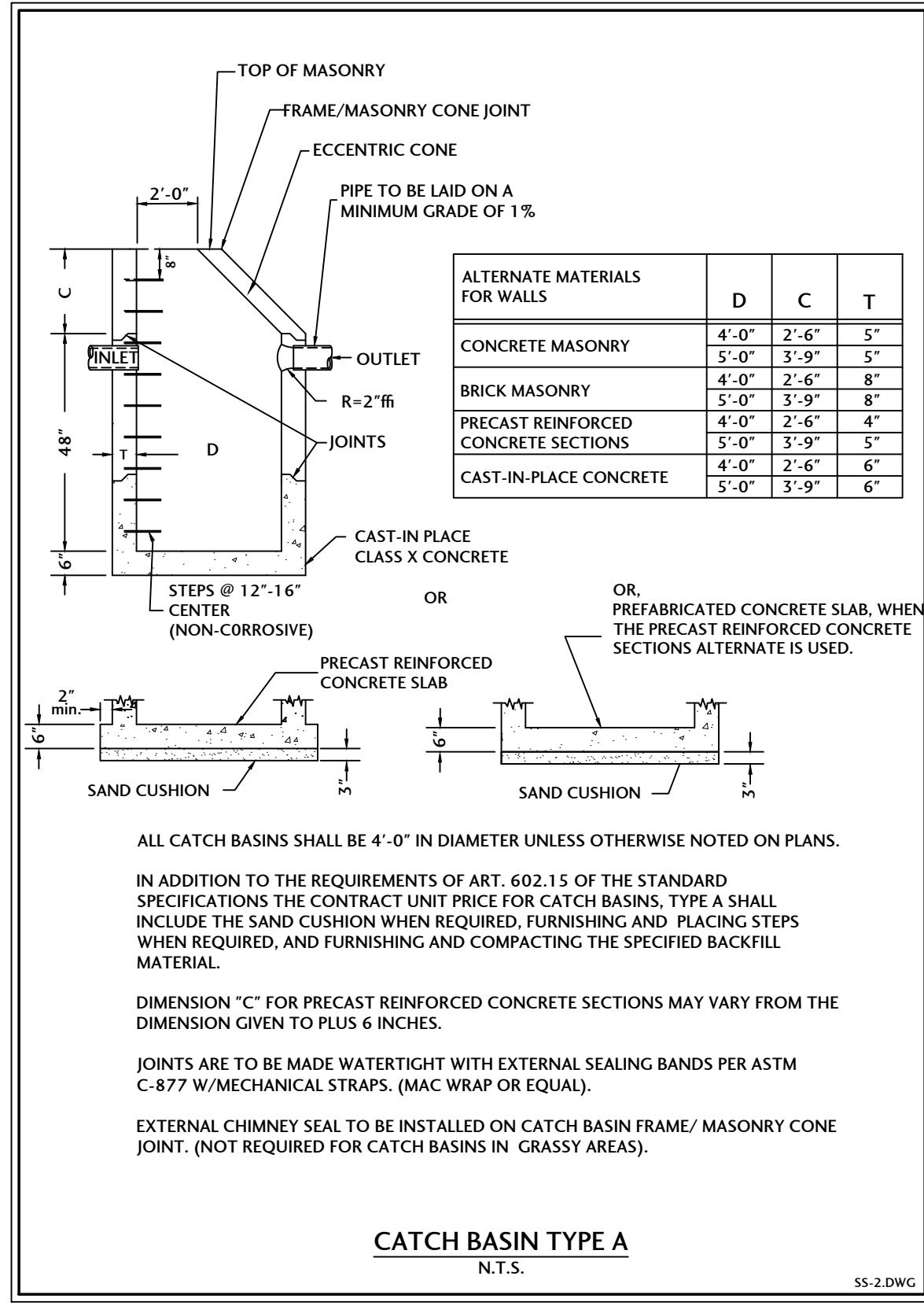
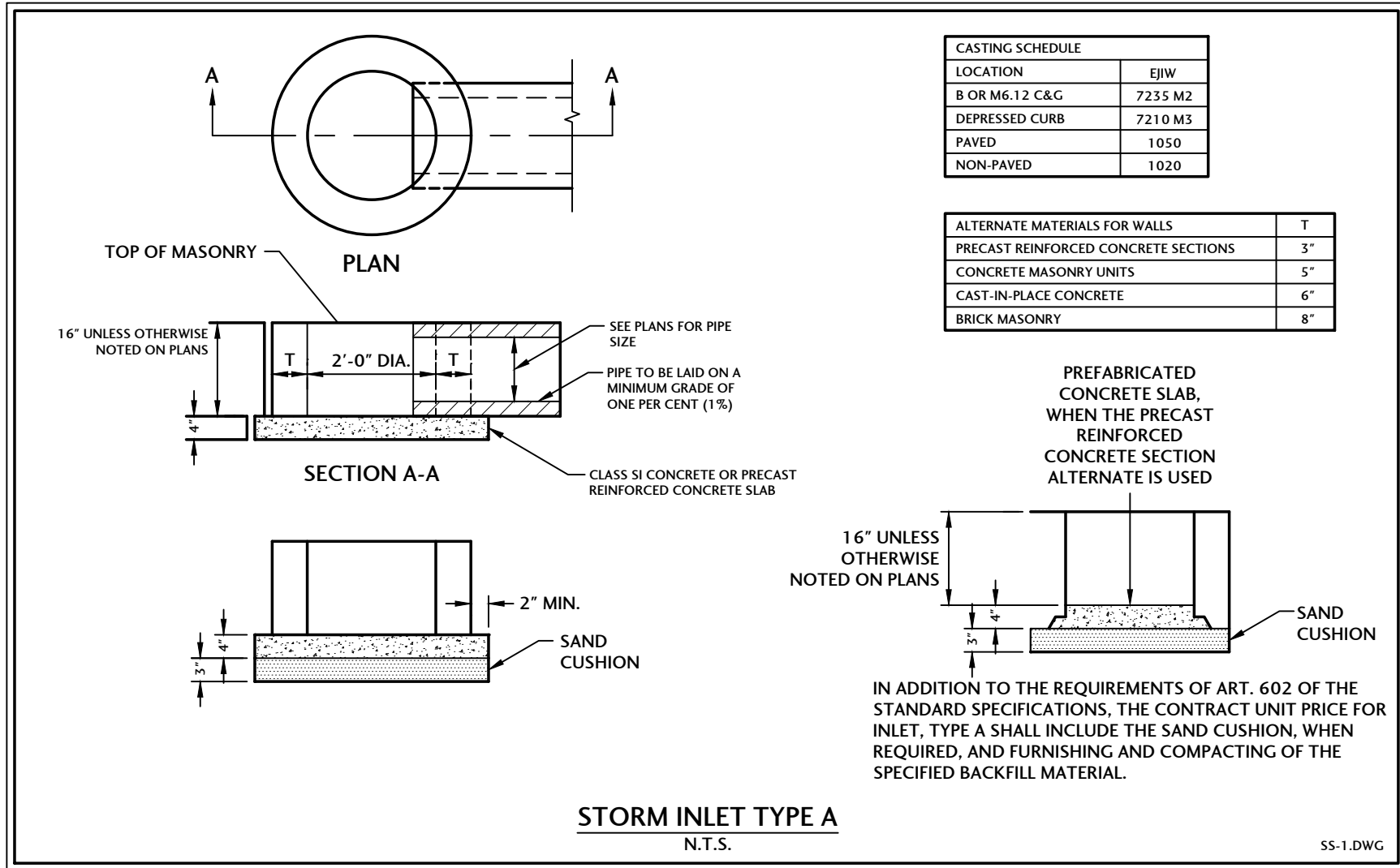
**PORTEN'S HICKORY KNOLL SUBDIVISIONS DRAINAGE & ROADWAY IMPROVEMENTS**  
NUNDA TOWNSHIP, ILLINOIS

DESCRIPTION	PER COUNTY STORMWATER REVIEW
DATE	10/10/24
NO.	1
	2
	01/13/25
	ISSUED FOR CONSTRUCTION

PROJECT NUMBER  
**NTRD-21020-3**

SHEET TITLE  
**STANDARD DETAILS**

SHEET NUMBER  
**C6.0**



NO.	DATE	DESCRIPTION
1	10/10/24	PER COUNTY STORMWATER REVIEW
2	01/13/25	ISSUED FOR CONSTRUCTION