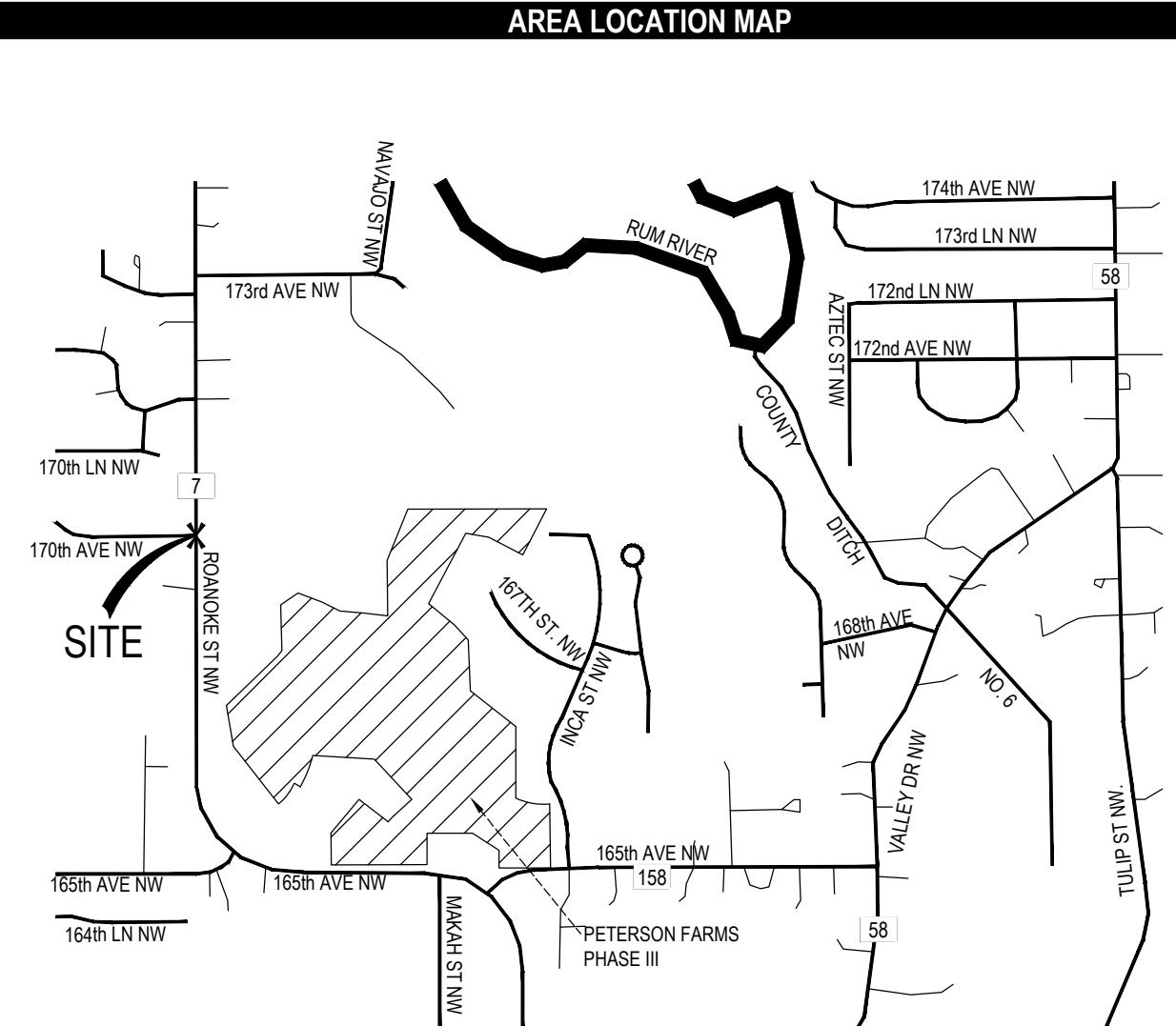




| DATE       | ISSUE / REVISION        | REVIEW |
|------------|-------------------------|--------|
| 04/23/2024 | ANDOVER COUNTY COMMENTS | ETL    |
| 05/12/2024 | ANDOKA COUNTY COMMENTS  | ETL    |
| 06/21/2024 | ANDOKA COUNTY APPROVAL  | ETL    |



# LEGACY AT PETERSEN FARMS

## TURN LANE TO 170TH AVE

### ANDOVER, ANOKA COUNTY, MINNESOTA

## BENCHMARK

COPPER CLAD ROD AT TRUNK HIGHWAY 47 MILE POINT 26.95, 28.5 FEET WEST OF TRUNK HWY 47. X=461294.566 Y=188004.732. ELEVATION = 880.218 NAVD 1988. DATUM IS ON ANOKA COUNTY COORDINATES.

## SITE / UTILITY CONTACTS

CONTRACTOR  
NORTHWEST TOTAL SITE  
1451 STAGECOACH ROAD  
SHAKOPEE, MN 55379

TYLER ENRIGHT  
TENRIGHT@NORTHWESTSITE.NET  
TEL: 952-445-1003  
FAX:

ELECTRIC  
CONNEXUS ENERGY

BECKY BERGHERR  
BECKY.BERGHERR@CONNEXUSENERGY.COM  
TEL: 763.323.2644  
FAX:

CABLE / INTERNET  
COMCAST  
4255 LEXINGTON AVENUE  
STE 100  
ARDEN HILLS, MN 55126

BRAD GREENWALDZ  
BRADLEY.GREENWALDZ@COMCAST.COM  
TEL: 651.564.2513  
FAX:

GAS  
CENTERPOINT ENERGY  
900 EVERGREEN BLVD.  
STE B  
COON RAPIDS, MN 55433

JAKE SCHWETTERING  
JAKE.SCHWETTERING@CENTERPOINTENERGY.COM  
TEL: 763.785.5432  
FAX:

TELEPHONE  
CENTURY LINK  
425 MONROE STREET  
ANOKA, MN 55313

STEPHANE ALSETH  
STEPHANIE.ALSETH@CENTURYLINK.COM  
TEL: 800.491.0118  
FAX:

## GOVERNING SPECIFICATIONS

- THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN
- ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MOST RECENT EDITION OF THE MN MUTCD INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS. ALL TRAFFIC CONTROL DEVICES SHALL HAVE RETROREFLECTIVE SHEETING
- PERFORM CONSTRUCTION IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) LAWS AND REGULATIONS

## OWNER

JD ANDOVER HOLDINGS, LLC  
16380 JUNIPER ST. NW  
ANDOVER, MINNESOTA, 55304  
TEL: (612) 205-1224

## PROJECT CONTACTS

CIVIL ENGINEER  
LANDFORM  
105 SOUTH FIFTH AVENUE, SUITE 513  
MINNEAPOLIS, MN 55401  
TEL: 612-252-9070  
FAX: 612-638-0260  
CONTACT: ERIC LUTH, PE

COUNTY ENGINEER  
ANOKA COUNTY HIGHWAY DEPARTMENT  
1440 BUNKER LAKE BOULEVARD NW  
ANDOVER, MN 55304  
DIRECT TEL: 763-324-3159  
OFFICE TEL: 763-324-3100  
CONTACT: BRANDON T. ULVENES

## CIVIL / LANDSCAPE SHEET INDEX &amp; REVISION MATRIX

|   | 03/22/2024 | 04/22/2024 |
|---|------------|------------|
| C0.1 CIVIL TITLE SHEET                        | X X        |            |
| C1.0 EXISTING CONDITIONS & DEMOLITION PLAN    | X X        |            |
| C1.1 EXISTING CONDITIONS & DEMOLITION PLAN    | X X        |            |
| C1.2 EXISTING CONDITIONS & DEMOLITION PLAN    | X X        |            |
| C2.0 TURN LANE SITE & DIMENSION PLAN OVERVIEW | X X        |            |
| C2.1 TURN LANE SITE & DIMENSION PLAN          | X X        |            |
| C2.2 TURN LANE SITE & DIMENSION PLAN          | X X        |            |
| C2.3 TURN LANE SITE & DIMENSION PLAN          | X X        |            |
| C3.0 TURN LANE GRADING PLAN                   | X X        |            |
| C3.1 TURN LANE GRADING PLAN                   | X X        |            |
| C3.2 TURN LANE GRADING PLAN                   | X X        |            |
| C4.0 TURN LANE TRAFFIC CONTROL                | X X        |            |
| C4.1 TURN LANE TRAFFIC CONTROL DETAILS        | X X        |            |
| C5.0 TURN LANE CROSS SECTIONS                 | X X        |            |
| C5.1 TURN LANE CROSS SECTIONS                 | X X        |            |
| C5.2 TURN LANE CROSS SECTIONS                 | X X        |            |
| C5.3 TURN LANE CROSS SECTIONS                 | X X        |            |
| C6.0 CONSTRUCTION DETAILS                     | X X        |            |

## CERTIFICATION

I hereby certify that this plan was prepared by me, or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the state of MINNESOTA.

Eric T. Luth, PE  
License No: 50475  
Date: 04/23/2024

Signature shown is a digital reproduction of original. We signed copy of this plan on file at Landform Professional Services, LLC office and is available upon request.

IF THE SIGNATURE, SEAL OR FOUR LINES DIRECTLY ABOVE ARE NOT  
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READABILITY AND IS NO LONGER A VALID DOCUMENT. PLEASE CONTACT  
THE ENGINEER TO REQUEST ADDITIONAL DOCUMENTS.

## INTERSECTION IMPROVEMENT PLANS

06/21/2024

APPROVED FOR COUNTY TURN LANE ITEMS ONLY

DATE 06/21/2024  
ANOKA COUNTY ENGINEER

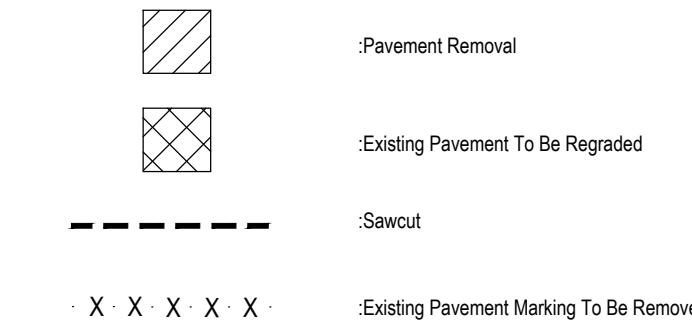
105 South Fifth Avenue Tel: 612-252-9070  
Suite 513 Fax: 612-252-9077  
Minneapolis, MN 55401 Web: landform.net

FILE NAME C001LDP-ACHD.dwg  
PROJECT NO. LDP17002.003

## CIVIL TITLE SHEET

C0.1

## LEGEND



## GENERAL NOTES

- For construction staking and surveying services contact Landform at 612.252.9070.

## DEMOLITION AND CLEARING NOTES

- Obtain permits for demolition, clearing, and disposal prior to beginning.
- Contact utility service providers for field location of services 72 hours prior to beginning demolition and clearing.
- See Sheet C3.0 - C3.1 for erosion prevention and sediment control measures that must be in place prior to disturbances to site.
- Dimensions shown for removal are approximate. Coordinate with new construction to ensure appropriate removal of existing facilities.
- Traffic control to be installed prior to beginning demolition. Coordinate lane closures with the regulatory authority and traffic control plan. Provide advance notification to affected emergency response providers.
- Provide barricades, lights, signs, traffic control, and other measures necessary for protection and safety of the public and maintain throughout construction. Protect structures, utilities, trees, plant material, sod, and adjacent property from damage during construction unless noted for removal. Damage shall be repaired to equal or better condition at no additional cost.
- Remove existing site features including, but not limited to, underground utilities, paving, curbing, walkways, and drainage.
- fencing, retaining walls, screen walls, aprons, lighting, related foundations, signage, bollards, landscaping, and stairways within the construction limits unless noted otherwise.
- Coordinate removal, relocation, termination, and re-use of existing private utility services and appurtenances with the utility companies. Restore electric handholes, pullboxes, powerpoles, guylines, and structures disturbed by construction in accordance with utility owner requirements.
- Existing piping and conduits may be abandoned in-place if filled with sand and not in location of proposed building or in conflict with proposed utilities or structures. Terminate existing services at the supply side in conformance with provider's standards.
- Haul demolition debris off-site to a facility approved by regulatory authorities for the handling of demolition debris, unless noted otherwise.
- Provide barricades, lights, signs, traffic control, and other measures necessary for protection and safety of the public and maintain throughout construction. Protect structures, utilities, trees, plant material, sod, and adjacent property from damage during construction unless noted for removal. Damage shall be repaired to equal or better condition at no additional cost.
- ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED. SEEDING: 25-141 MIX (59 LB/AC) MULCH: TYPE 1, DISK ANCHORED
- LONGITUDINAL PAVEMENT MARKINGS SHALL BE LATEX PAINT. THE TURN ARROWS AND 24" YELLOW CROSS HATCHING SHALL BE PREFORMED THERMO.

## TURN LANE NOTES

- THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD REPRESENTED WITHIN THE PLANS AS SHOWN AND ALERT THE ENGINEER BEFORE BIDDING THE PROJECT AND BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES WHICH MAY AFFECT THIS WORK AND NOTIFY THE OWNER OF ANY CHANGES. CONTACT LOCAL UTILITY COMPANIES FOR EXACT LOCATIONS PRIOR TO BIDDING THE PROJECT AND BEGINNING WORK.
- CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT SILT AND DEBRIS RUN-OFF DURING GRADING OPERATIONS (I.E. SILT FENCE, STRAW BALES, ETC.).
- CONTRACTOR SHALL VERIFY CRITICAL ELEVATIONS TO ENSURE CONFORMANCE WITH GRADING PLAN, PARTICULARLY WITH EXISTING STRUCTURES AND/OR PAVEMENTS TO REMAIN. MEET EXISTING GRADES ALONG STREETS, PROPERTY LINES, AND DRIVEWAY ENTRANCES. RESTORE ALL PAVEMENTS THAT REMAIN TO THEIR ORIGINAL IF NOT BETTER CONDITION. NOTIFY OWNER OF ANY CONFLICTS PRIOR TO BIDDING THE PROJECT.
- EXISTING CONFLICTING PAVEMENT MARKINGS WILL NEED TO BE REMOVED BEFORE FINAL PERMANENT STRIPING IS PLACED.
- DURING CONSTRUCTION, CONFLICTING PAVEMENT MARKINGS WILL NEED TO BE COVERED WITH BLACK REMOVABLE LANE TAPE OR WATER BLASTED AND THEN HAVE PAVEMENT MARKINGS INSTALLED FOR TEMPORARY CENTERLINE DURING CONSTRUCTION.
- ACHD TRAFFIC TO DETERMINE THE LIMITS OF THE NO PASSING ZONE AS A PART OF THE PERMIT PROCESS AND STRIPER SPOTTING.
- THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

## DEVELOPER

JD ANDOVER HOLDINGS,LLC  
16380 JUNIPER ST. NW  
ANDOVER, MINNESOTA 55304  
TEL: (612)205-1224

## MUNICIPALITY



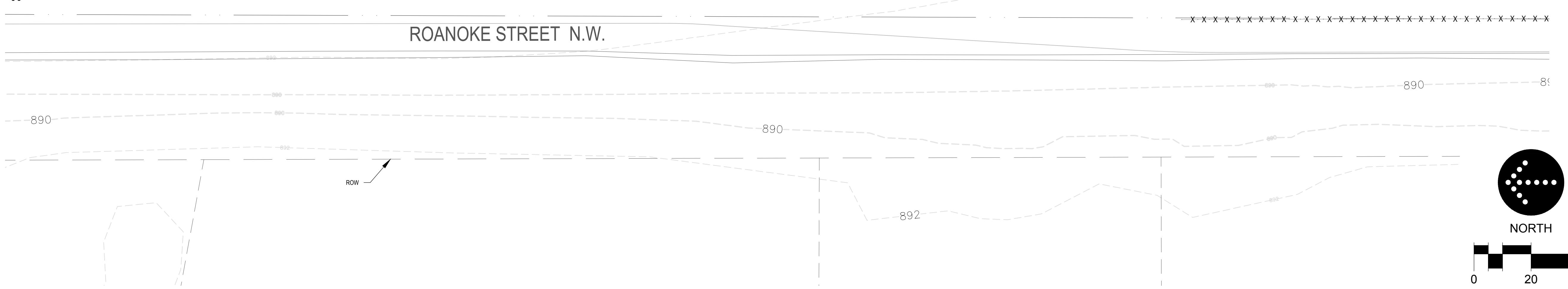
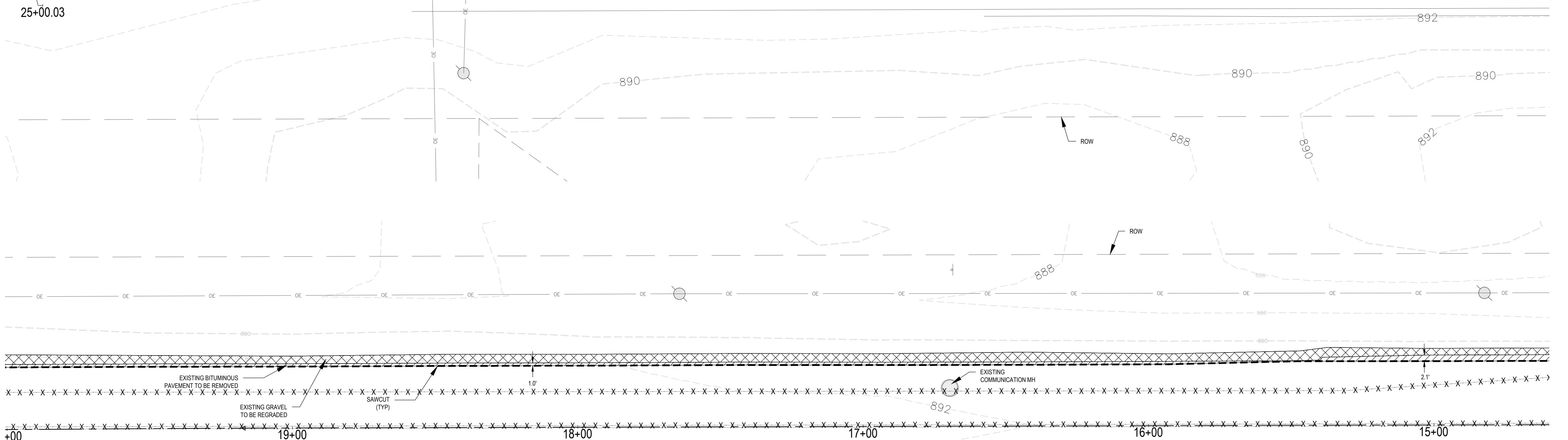
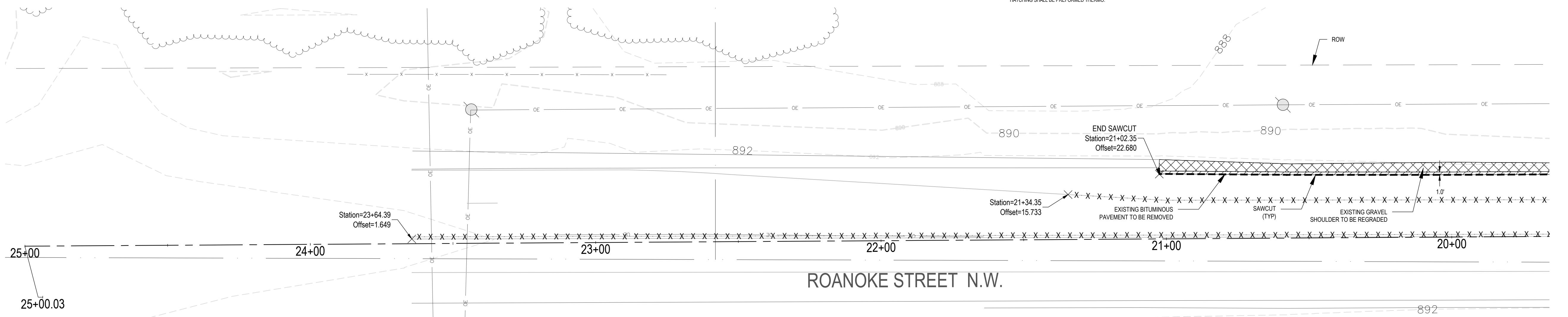
## PROJECT

The  
**LEGACY**  
A PETERSON FAMILY

ANDOVER, MINNESOTA

## ISSUE / REVISION HISTORY

| DATE       | ISSUE / REVISION      | CONTACT ENGINEER FOR ANY PRIOR HISTORY | REVIEW |
|------------|-----------------------|--|--------|
| 04/23/2024 | ANOKA COUNTY COMMENTS |  | ETL    |
| 05/01/2024 | ANOKA COUNTY COMMENTS |  | ETL    |
| 06/21/2024 | ANOKA COUNTY APPROVAL |  | ETL    |



## CERTIFICATION

I hereby certify that this plan was prepared by me, or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the state of MINNESOTA.

*Eric T. Lubk*

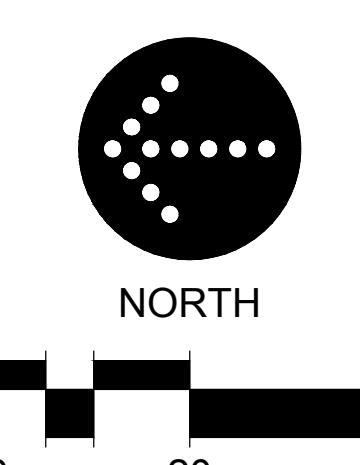
Eric T. Lubk, PE  
License No. 50475 Date: 04/23/2024

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INTERSECTION IMPROVEMENT PLANS  
06/21/2024

LANDFORM  
From Site to Finish  
105 South Fifth Avenue Tel: 612-252-9070  
Suite 513 Fax: 612-252-9077  
Minneapolis, MN 55401 Web: landform.net  
FILE NAME C100LDP-ACHD.dwg  
PROJECT NO. LDP17002.003



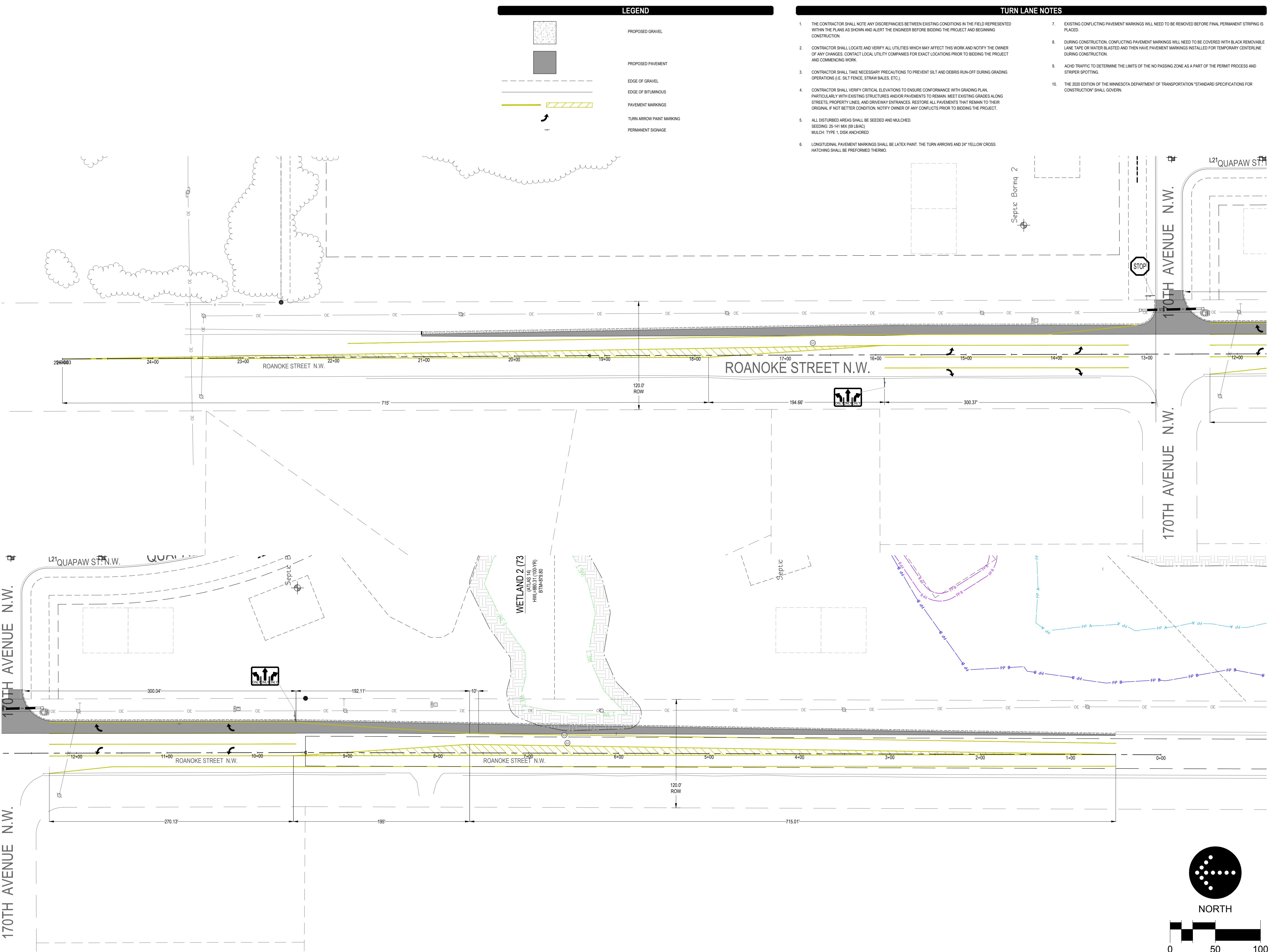
EXISTING CONDITIONS  
& DEMOLITION PLAN  
**C1.0**







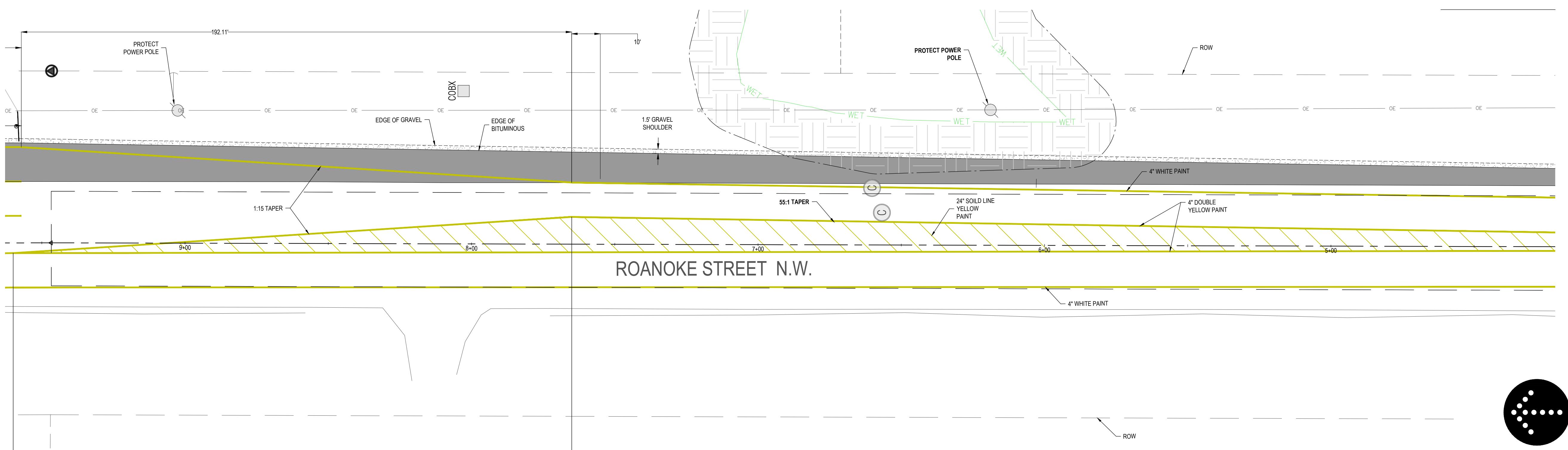
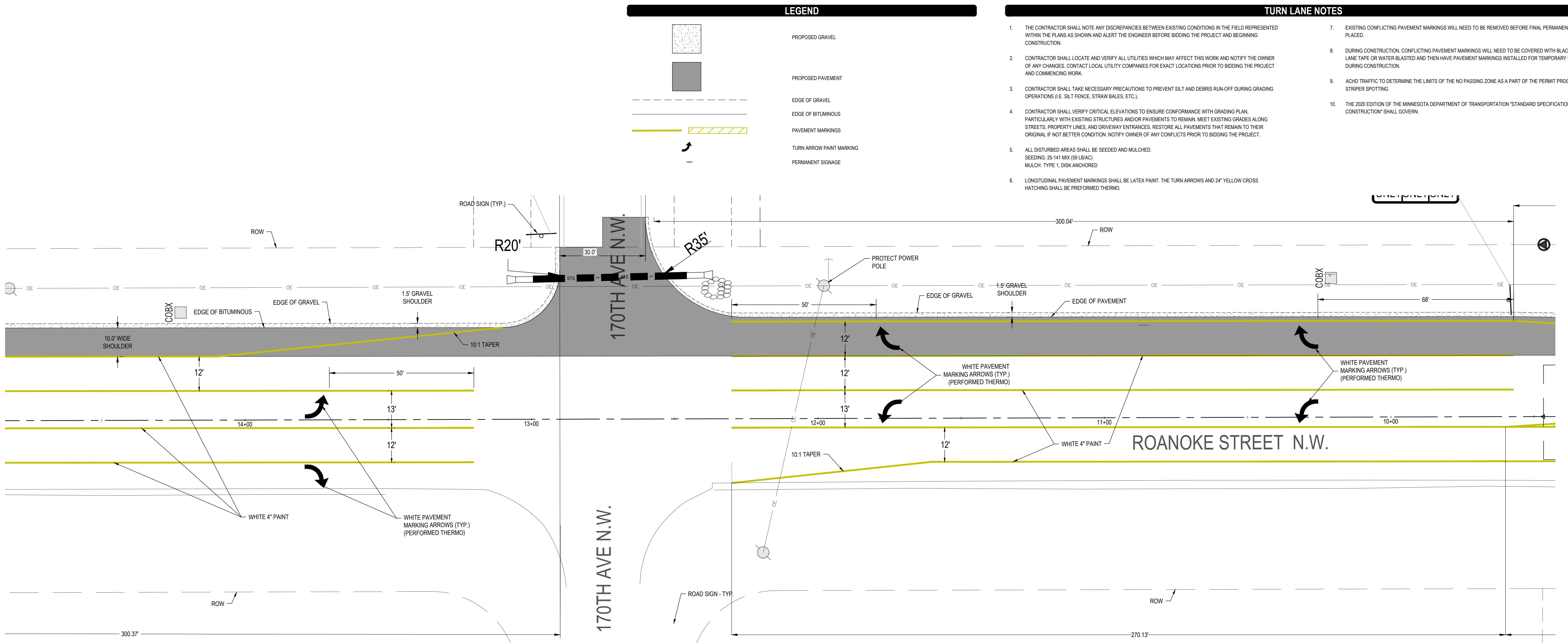
| DATE       | ISSUE / REVISION      | REVIEW |
|------------|-----------------------|--------|
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| 06/21/2024 | ANOKA COUNTY APPROVAL | ETL    |





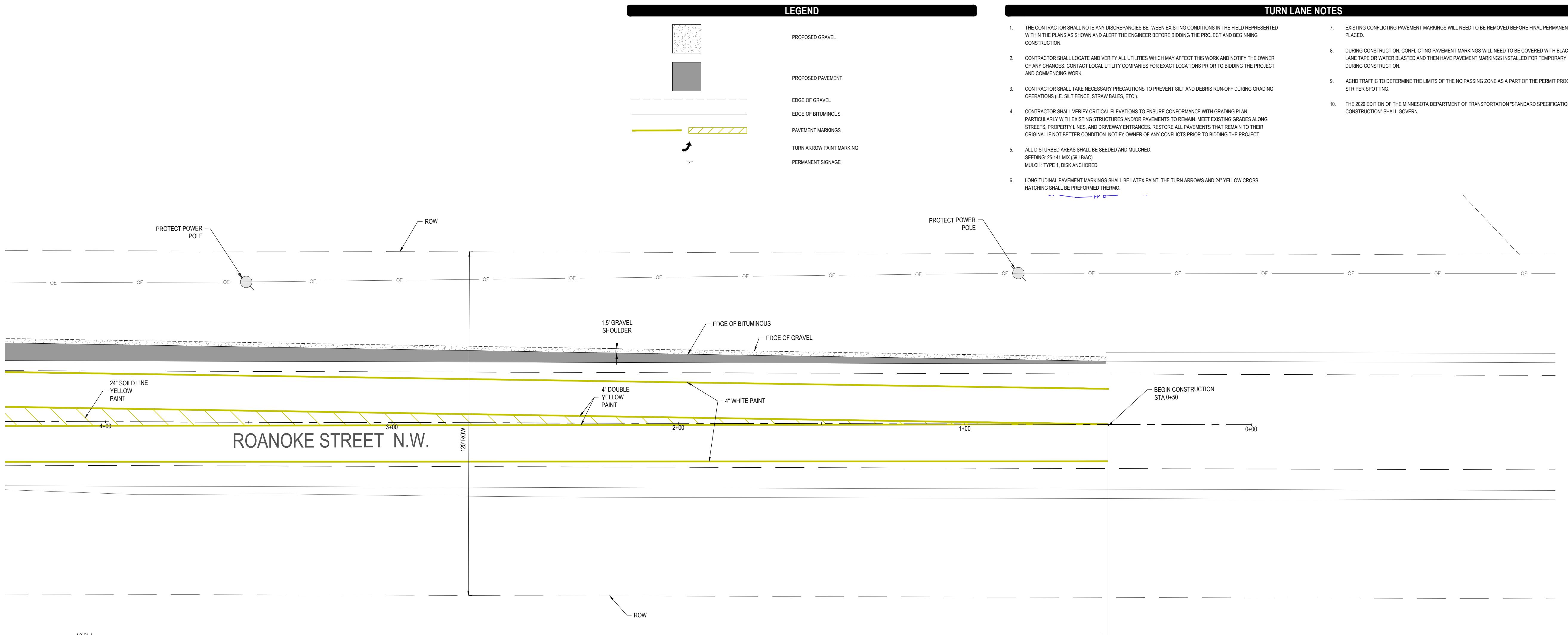


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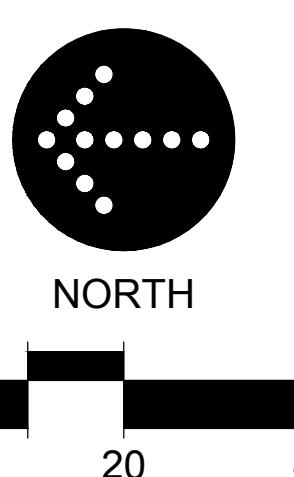
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INTERSECTION IMPROVEMENT PLANS  
06/21/2024

LAND FORM  
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105 South Fifth Avenue Tel: 612-252-9070  
Suite 513 Fax: 612-252-9077  
Minneapolis, MN 55401 Web: landform.net  
FILE NAME C200LDP-ACHD.dwg  
PROJECT NO. LDP17002.003



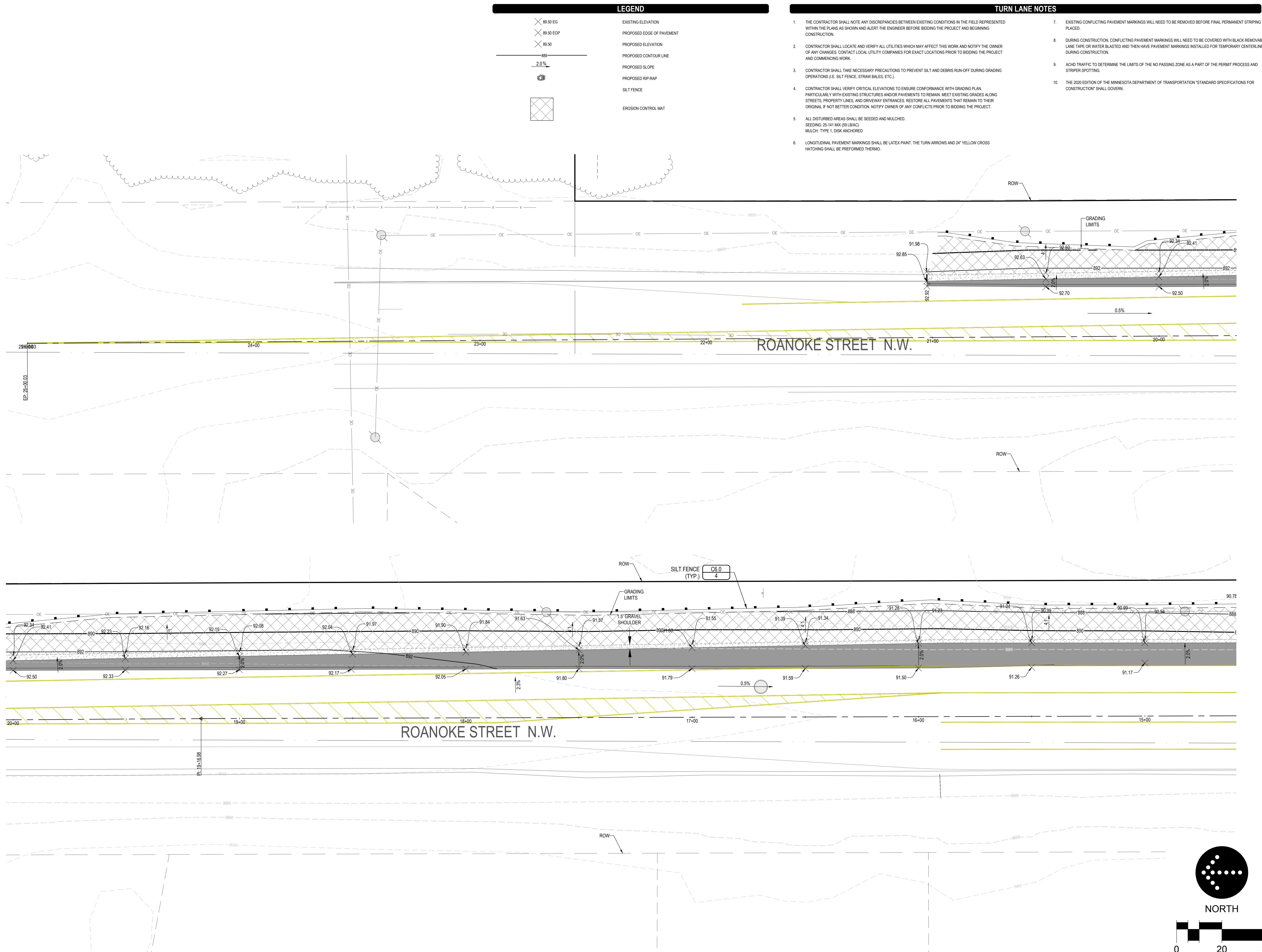
NORTH

0 20 40

TURN LANE SITE  
& DIMENSION PLAN  
C2.3



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*Eric K. Ruth*

Eric T. Ruth, PE  
License No: 50475  
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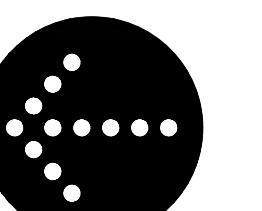
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FILE NAME C300LDP-ACHD GP.dwg  
PROJECT NO. LDP17002.003



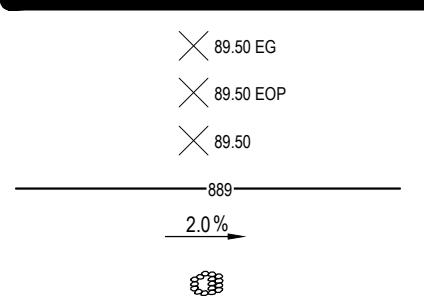
NORTH

TURN LANE  
GRADING PLAN  
C3.0



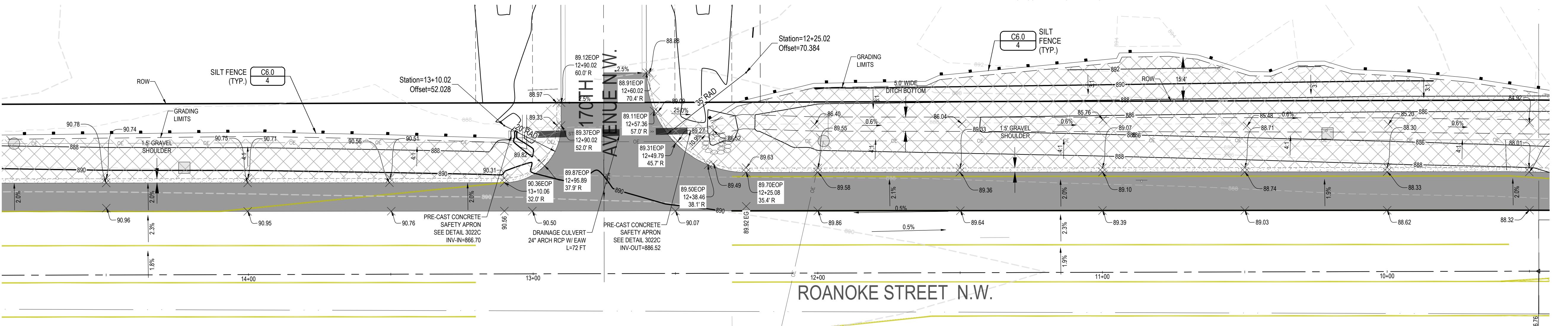
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**LEGEND**

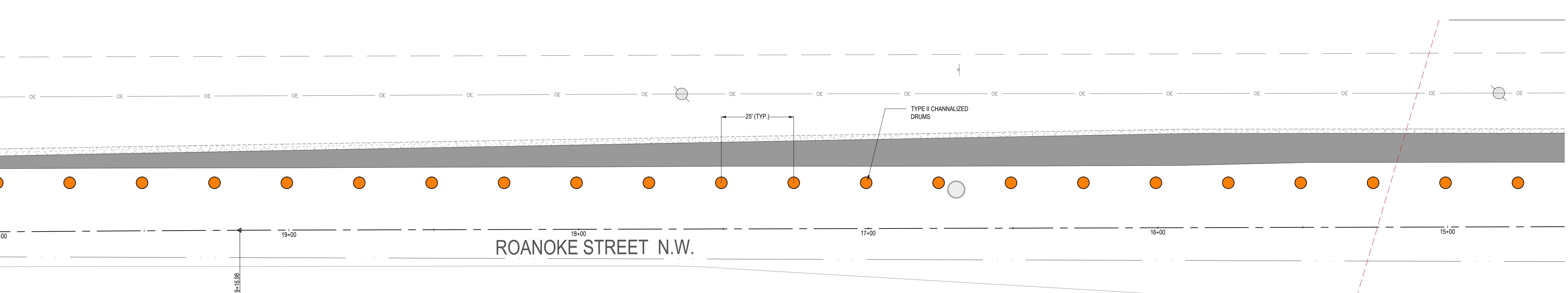
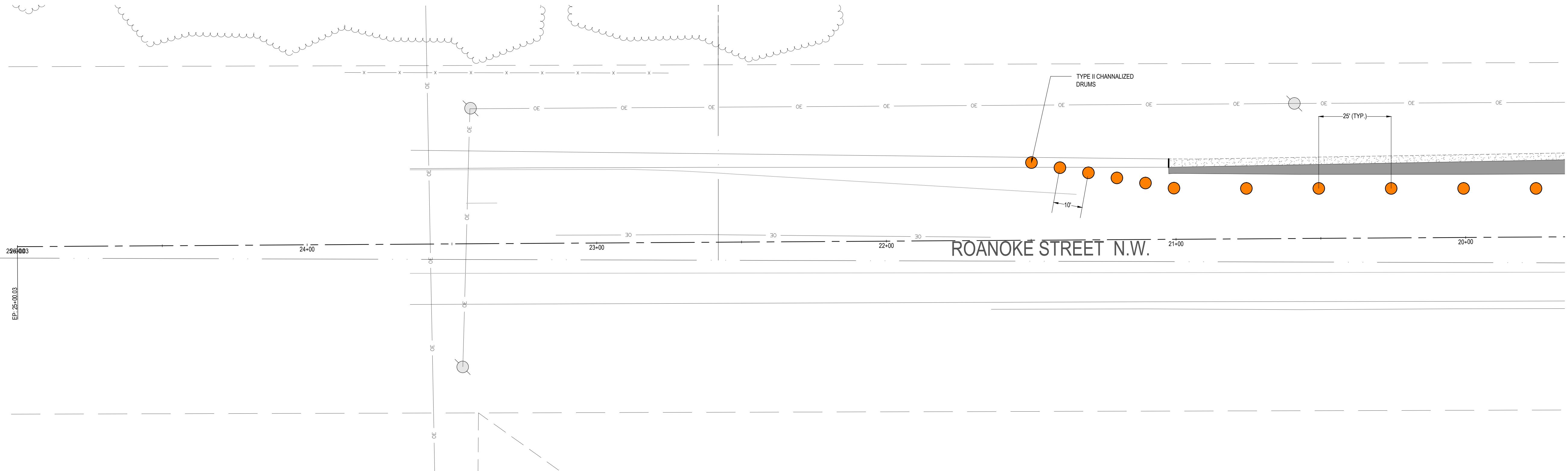


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### LEGEND

- TYPE II CHANNELIZED DRUMS
- SIGN
- BARRICADE WITH SIGN

### TRAFFIC CONTROL PLAN NOTES

1. SIGNS TO FOLLOW CONVENTIONAL ROAD SIZINGS (36" X 36" COMMON). TRAFFIC CONTROL SHALL MEET THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL.
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3. ADDITIONAL SIGNS AND CHANNELIZERS SHALL BE SUPPLIED AND MOVED BY CONTRACTOR AS NEEDED FOR SAFE ROAD CONSTRUCTION.
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### DEVELOPER

JD ANDOVER HOLDINGS,LLC  
16380 JUNIPER ST. NW  
ANDOVER, MINNESOTA 55304  
TEL: (612)205-1224

### MUNICIPALITY



### PROJECT



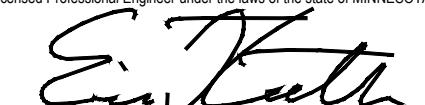
ANDOVER, MINNESOTA

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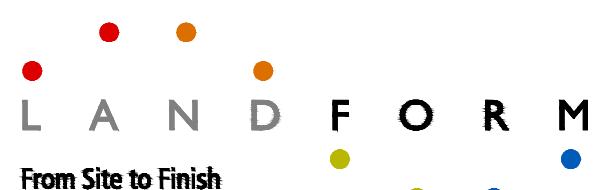
Eric T. Lub, PE  
License No. 50475 Date: 04/23/2024

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### INTERSECTION IMPROVEMENT PLANS

06/21/2024



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TURN LANE  
TRAFFIC CONTROL

C4.0

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## LEGEND

- TYPE II CHANNELIZED DRUMS
- SIGN
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## TRAFFIC CONTROL PLAN NOTES

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## DEVELOPER

JD ANDOVER HOLDINGS,LLC  
16380 JUNIPER ST. NW  
ANDOVER, MINNESOTA 55304  
TEL: (612)205-1224

## MUNICIPALITY



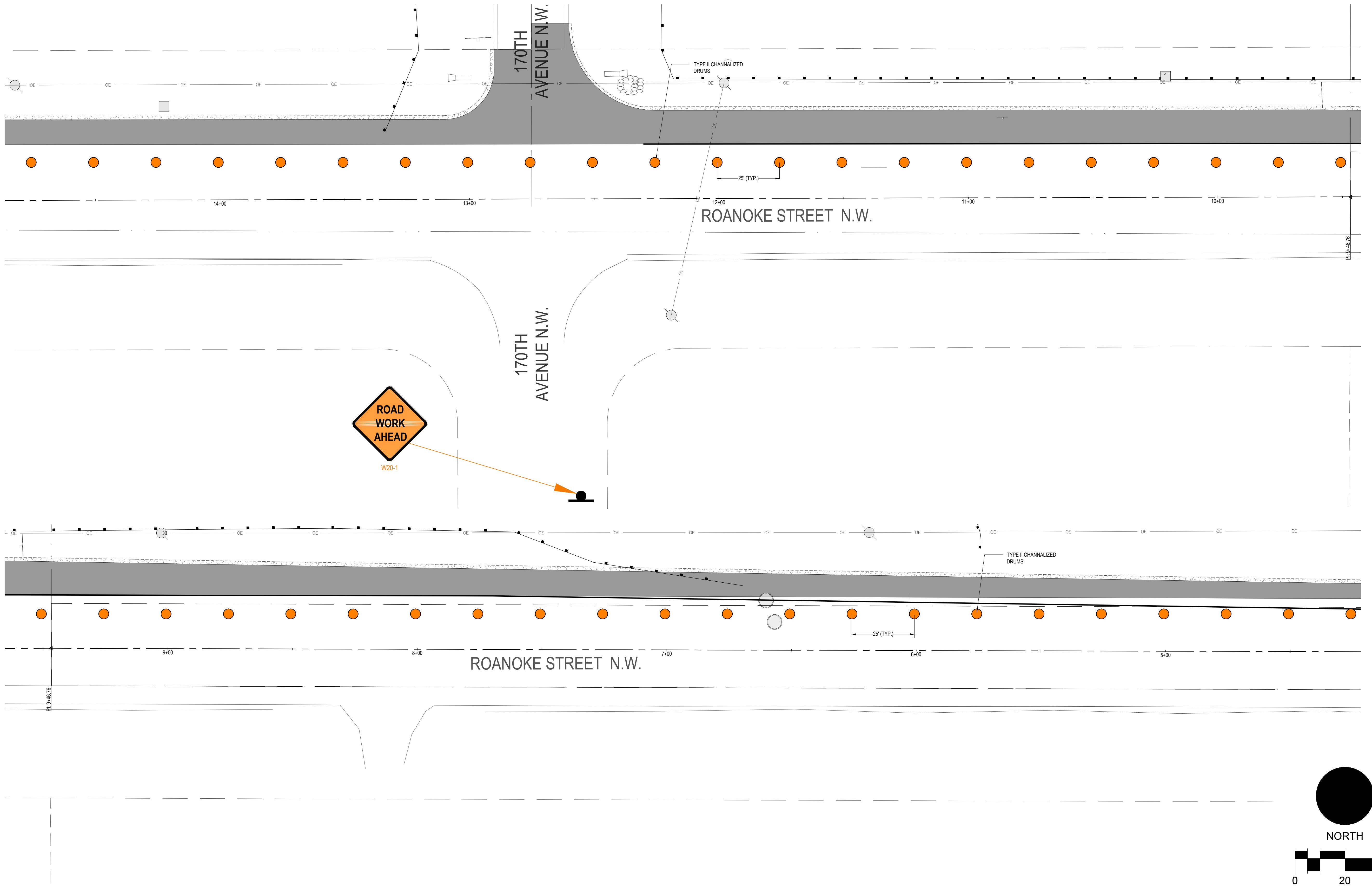
## PROJECT

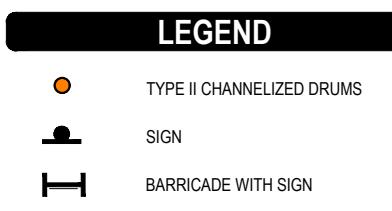


ANDOVER, MINNESOTA

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| 06/21/2024 | ANOKA COUNTY APPROVAL |  | ETL    |





**TRAFFIC CONTROL PLAN NOTES**

1. SIGNS FOLLOW CONVENTIONAL ROAD SIZINGS (36" X 36" COMMON). TRAFFIC CONTROL SHALL MEET THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL.
2. ALL TEMPORARY TRAFFIC CONTROL SIGNS TO BE ON SKIDS.
3. ADDITIONAL SIGNS AND CHANNELIZERS SHALL BE SUPPLIED AND MOVED BY CONTRACTOR AS NEEDED FOR SAFE ROAD CONSTRUCTION.
4. CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL SIGNS AND CHANNELIZERS AS NEEDED.
5. EXISTING CONFLICTING PAVEMENT MARKINGS WILL NEED TO BE REMOVED BEFORE FINAL PERMANENT STRIPING IS PLACED.
6. DURING CONSTRUCTION, CONFLICTING PAVEMENT MARKINGS WILL NEED TO BE COVERED WITH BLACK REMOVABLE LANE TAPE OR WATER BLASTED AND THEN HAVE PAVEMENT MARKINGS INSTALLED FOR TEMPORARY CENTERLINE DURING CONSTRUCTION.

**DEVELOPER**  
JD ANDOVER HOLDINGS,LLC  
16380 JUNIPER ST. NW  
ANDOVER, MINNESOTA 55304  
TEL: (612)205-1224

**MUNICIPALITY**

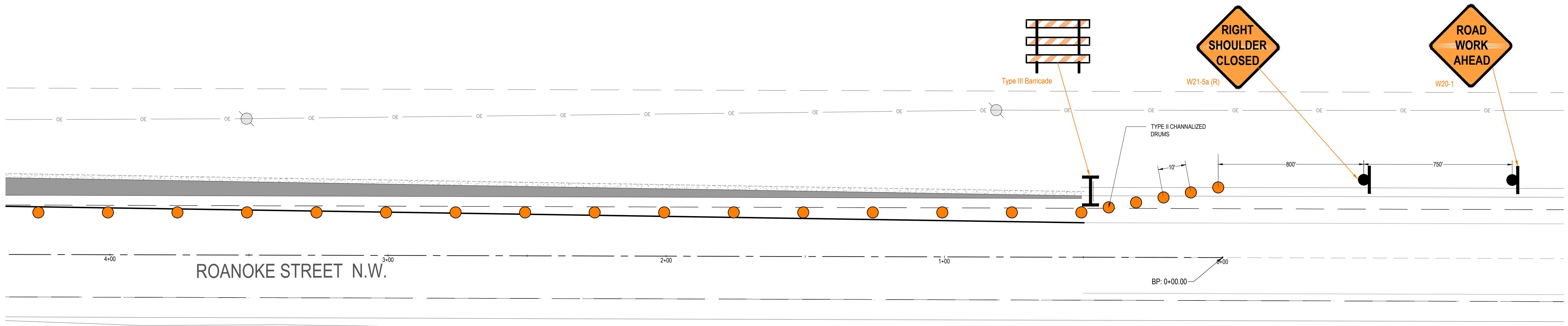


**PROJECT**



ANDOVER, MINNESOTA

| ISSUE / REVISION HISTORY |                         |        |
|--------------------------|-------------------------|--------|
| DATE                     | ISSUE / REVISION        | REVIEW |
| 04/23/2024               | ANDOVER COUNTY COMMENTS | ETL    |
| 05/01/2024               | ANDOVER COUNTY COMMENTS | ETL    |
| 06/21/2024               | ANDOVER COUNTY APPROVAL | ETL    |



**CERTIFICATION**

I hereby certify that this plan was prepared by me, or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the state of MINNESOTA.



Eric T. Lub, PE  
License No: 50475  
Date: 04/23/2024

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**INTERSECTION IMPROVEMENT PLANS**  
06/21/2024

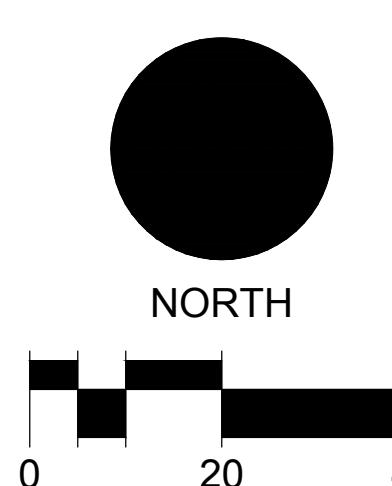
LAND FORM  
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Suite 513 Fax: 612-252-9077  
Minneapolis, MN 55401 Web: landform.net

FILE NAME C400LDP-ACHD TC.dwg  
PROJECT NO. LDP17002.003

**TURN LANE  
TRAFFIC CONTROL**

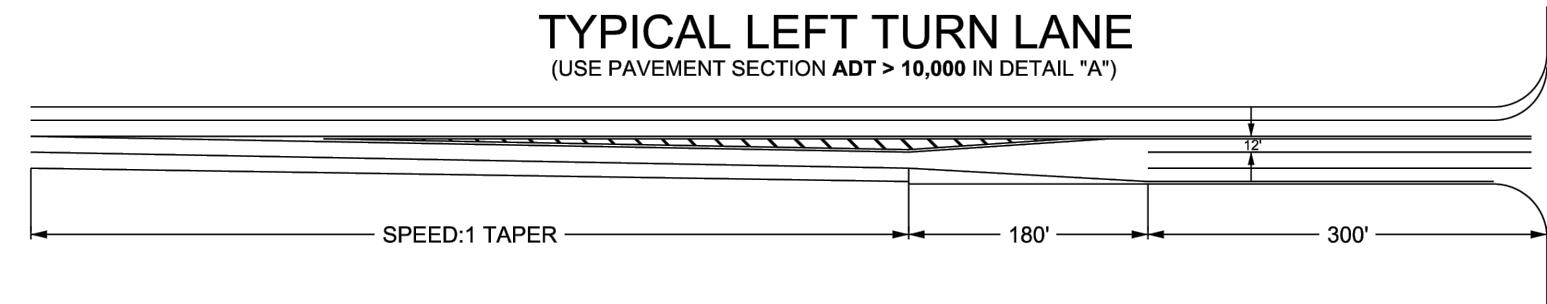
**C4.2**



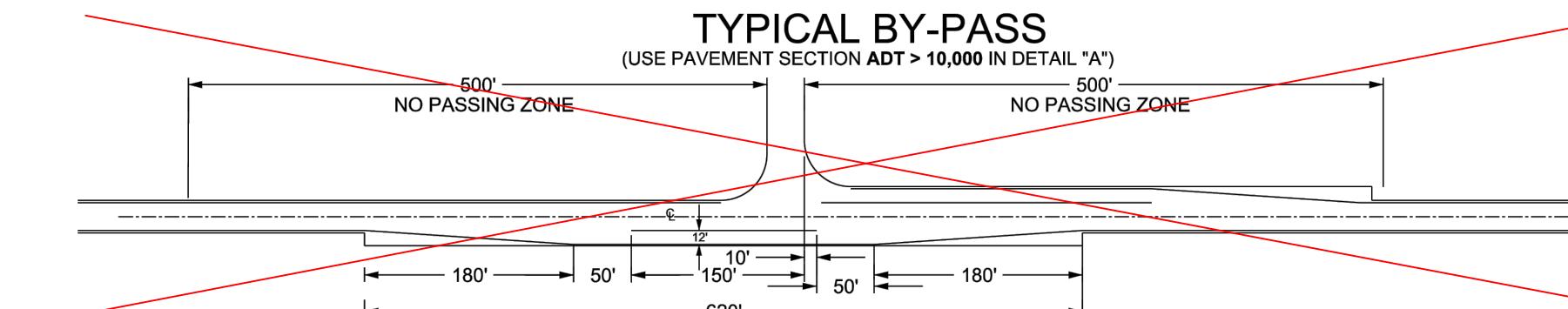
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|--|------------------|--------|
| DATE                                   | 04/23/2024       | ETL    |
| ANOKA COUNTY COMMENTS                  | 05/12/2024       | ETL    |
| MINNESOTA COUNTY COMMENTS              | 06/21/2024       | ETL    |
| ANOKA COUNTY APPROVAL                  |                  | ETL    |

# ANOKA COUNTY HIGHWAY DEPARTMENT

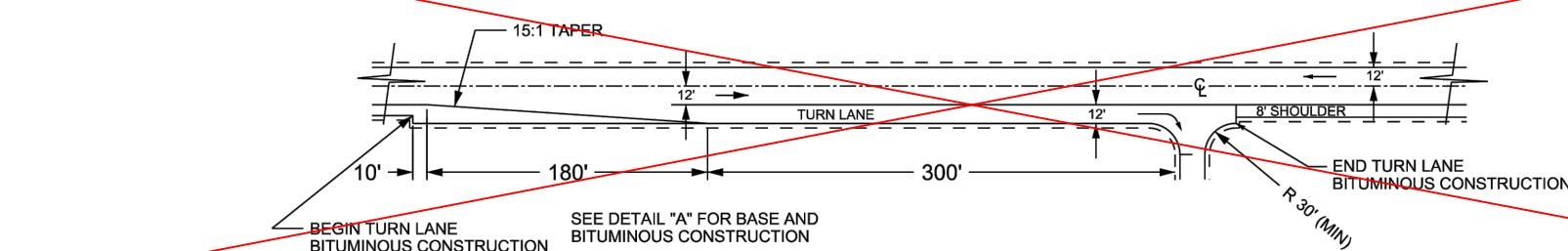
## TYPICAL LEFT TURN LANE (USE PAVEMENT SECTION ADT > 10,000 IN DETAIL "A")



## TYPICAL BY-PASS (USE PAVEMENT SECTION ADT > 10,000 IN DETAIL "A")



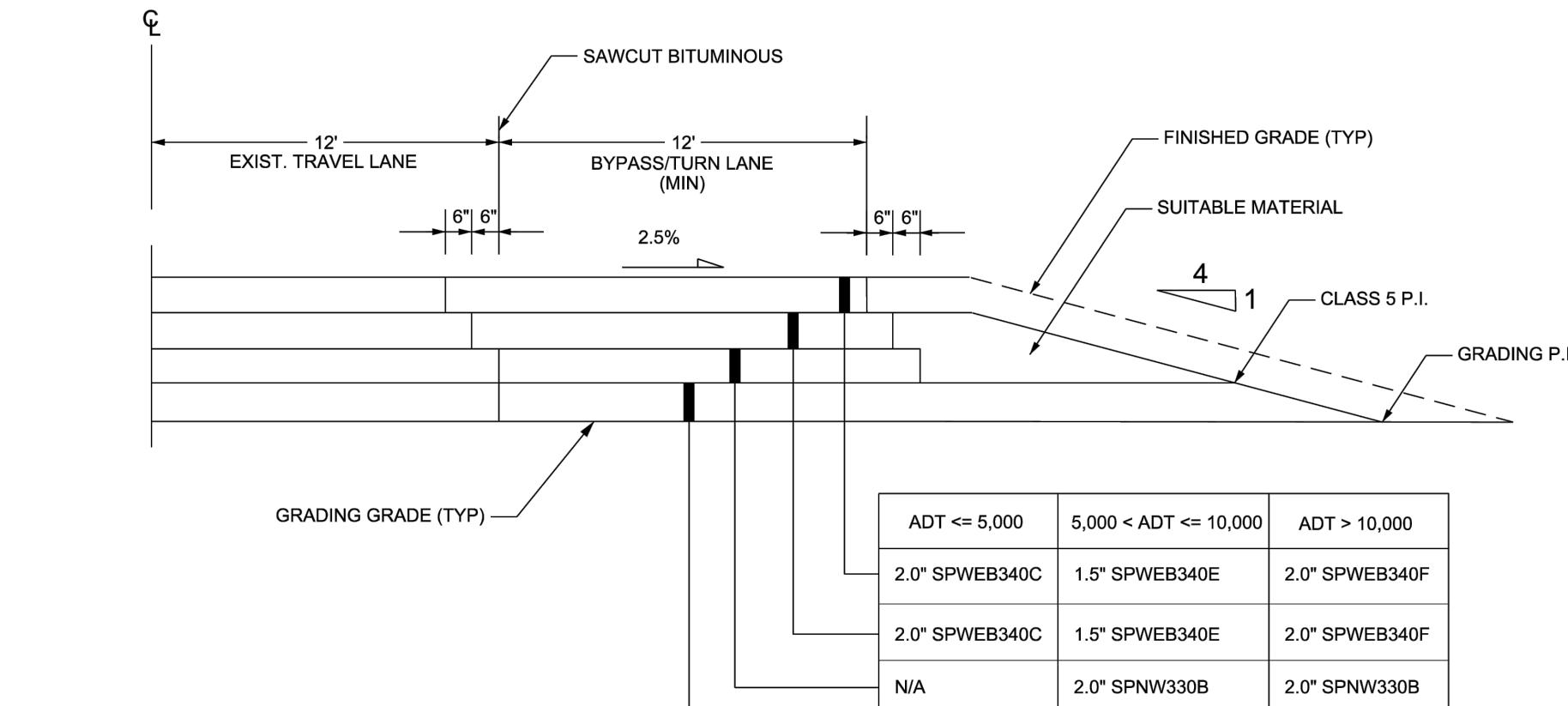
## TYPICAL RIGHT TURN LANE



ALL DISTURBED SOIL MUST BE SEEDED, MULCHED, AND DISK ANCHORED IN ACCORDANCE WITH MN/DOT STANDARD SPECIFICATIONS. RAPID-DEGRADABLE STRAW BLANKET SHALL BE USED IN AREAS OF HIGH EROSION.

Turn/Bypass Lane Addition  
On Existing Highway

# ANOKA COUNTY HIGHWAY DEPARTMENT



ALL DISTURBED SOIL MUST BE SEEDED, MULCHED, AND DISK ANCHORED IN ACCORDANCE WITH MN/DOT STANDARD SPECIFICATIONS. RAPID-DEGRADABLE STRAW BLANKET SHALL BE USED IN AREAS OF HIGH EROSION.

Base and Bituminous Construction Detail

DETAIL A  
September 2019

## Provisions

### Field Manual

JANUARY 2018

#### EDGE DROP OFF

##### DISTANCE FROM THE TRAFFIC LANE

0 - 3 feet

3 feet and Greater

All Distances

Greater than 4 - 12 inches with 1:4 taper

Greater than 4 - 12 inches with 1:3 taper

Greater than 8 feet

Greater than 12 inches

These guidelines are intended to increase traffic safety using traffic control devices, safety related appurtenances, and construction techniques for uneven lanes, milled edges, and edge drop-offs that occur in work zones. The best way to increase traffic safety is to make everyone aware of the potential for these hazards. Only when uneven lanes, milled edges, and edge drop-offs are deemed necessary, shall the appropriate portion(s) of these guidelines be applied to enhance traffic safety.

No traffic control treatments are needed if edgelines are installed and shoulder widths and cross section slopes are the same as existing adjacent roadway sections.

Drop-offs of 0.5 to 4 inches, at least 8 feet from the edge of traffic carrying lanes do not require any traffic control treatments.

Drop-offs of greater than 4 to 12 inches adjacent to traffic carrying lanes are permitted without tapers or temporary barriers for:

- A. Projects within an urban area when the speed limit is 30 mph or less, or
- B. Short term (3 calendar days or less) repair, less than 50 feet in length when the speed limit is greater than 30 mph.

Note: Signs are optional when an edgeline is installed.

Weather permitting, milling and paving operations shall be required to complete the full width of the section under construction at the end of each work period. At no time shall there be more than one uneven lane condition between the traffic carrying lanes which include auxiliary lanes, turn lanes, and ramp access or egress areas.

Tapered slopes shall be adequately compacted to provide a firm driving surface.

Appropriate uneven lane warning signs or shoulder warning signs shall be repeated after each intersection.

Where space is limited or there is a sight restriction, weighted channelizers may be used in place of drums to delineate longitudinal drop-offs.

Maximum spacing of traffic control devices shall be determined based on the posted speed limit and using the following table:

| Traffic Control Device                 | Maximum Spacing of Devices                  |
|--|---|
| Sign                                   | low speed = 1/4 mile<br>high speed = 1 mile |
| Drum                                   | 2G  |
| Weighted Channelizer or Tubular Marker | G   |
| Type III Barricade                     | 20G   |

Longitudinal Drop-off Guidelines, cont.  
Figure 6K-7

6K-ak

### Field Manual

JANUARY 2018

#### EDGE DROP OFF

##### DISTANCE FROM THE TRAFFIC LANE

0 - 3 feet

3 - 8 feet

Greater than 2 - 4 inches with 1:3 taper

Greater than 2 - 4 inches without taper

Greater than 2 - 4 inches with 1:3 taper

Greater than 2 - 4 inches without taper

Greater than 2 - 4 inches with 1:3 taper

Greater than 2 - 4 inches without taper

Greater than 2 - 4 inches with 1:3 taper

Greater than 2 - 4 inches without taper

Greater than 2 - 4 inches with 1:3 taper

Greater than 2 - 4 inches without taper

Greater than 2 - 4 inches with 1:3 taper

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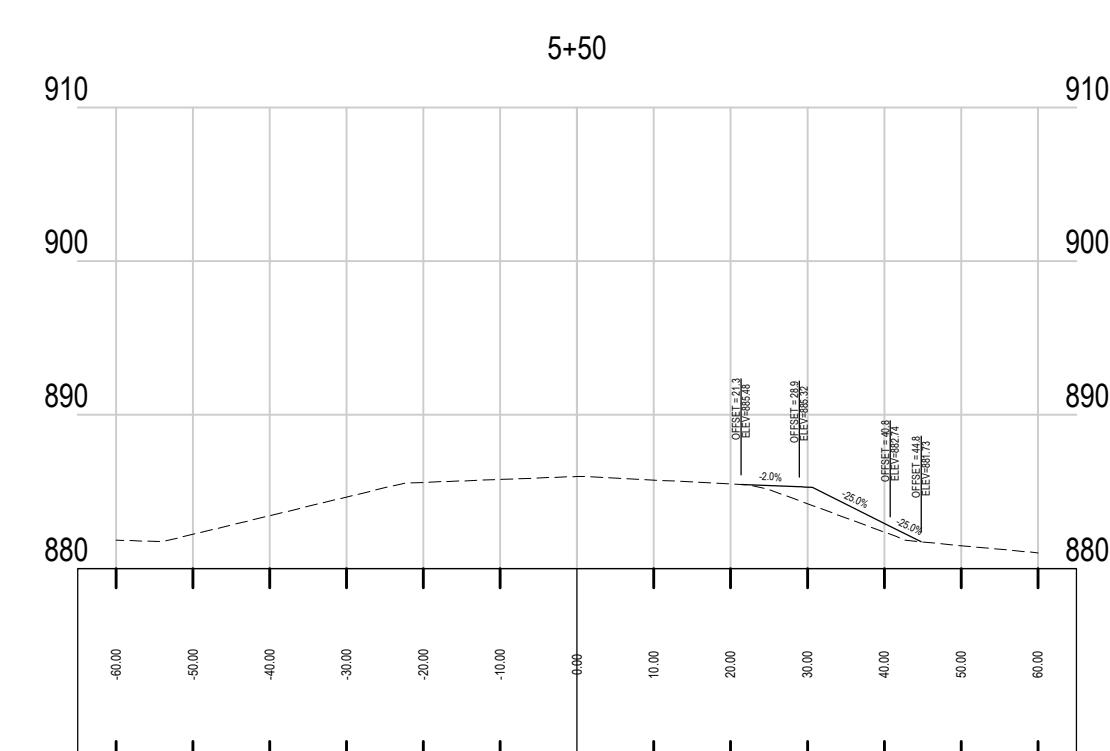
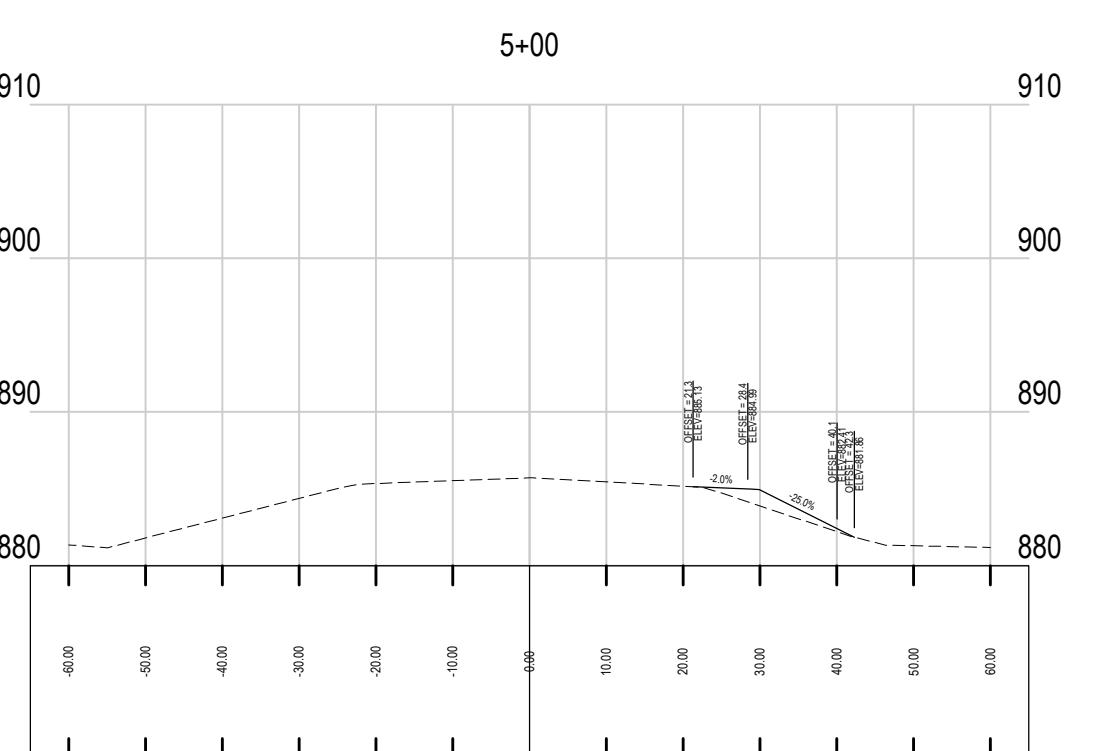
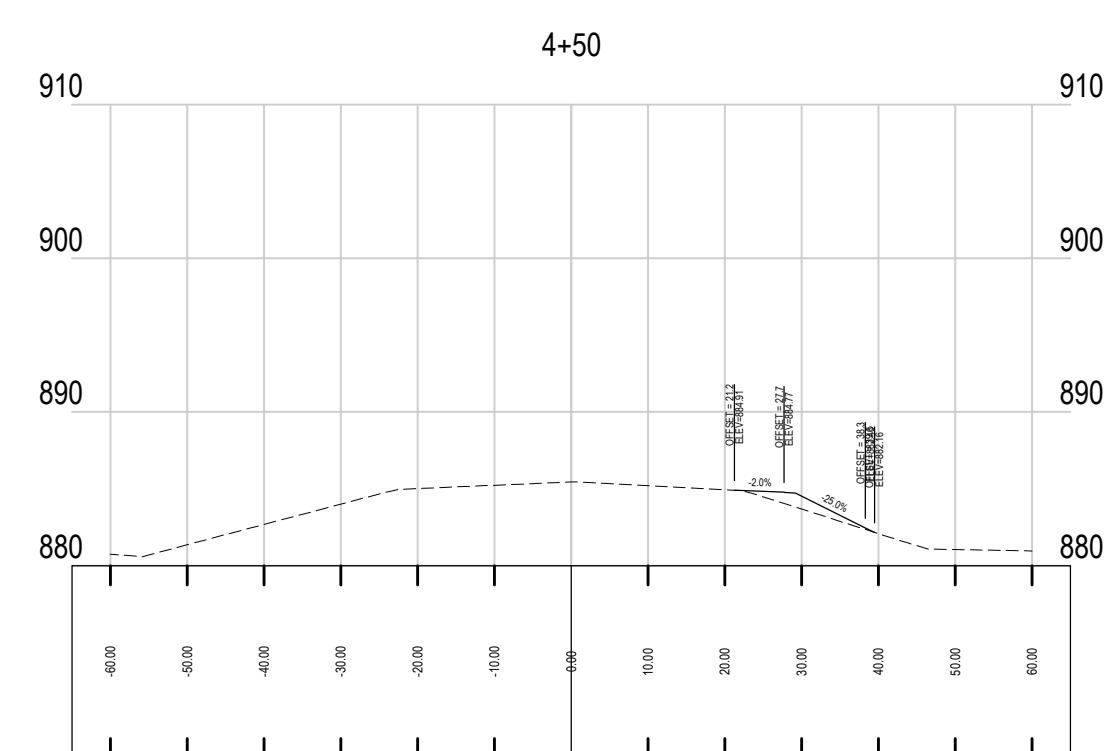
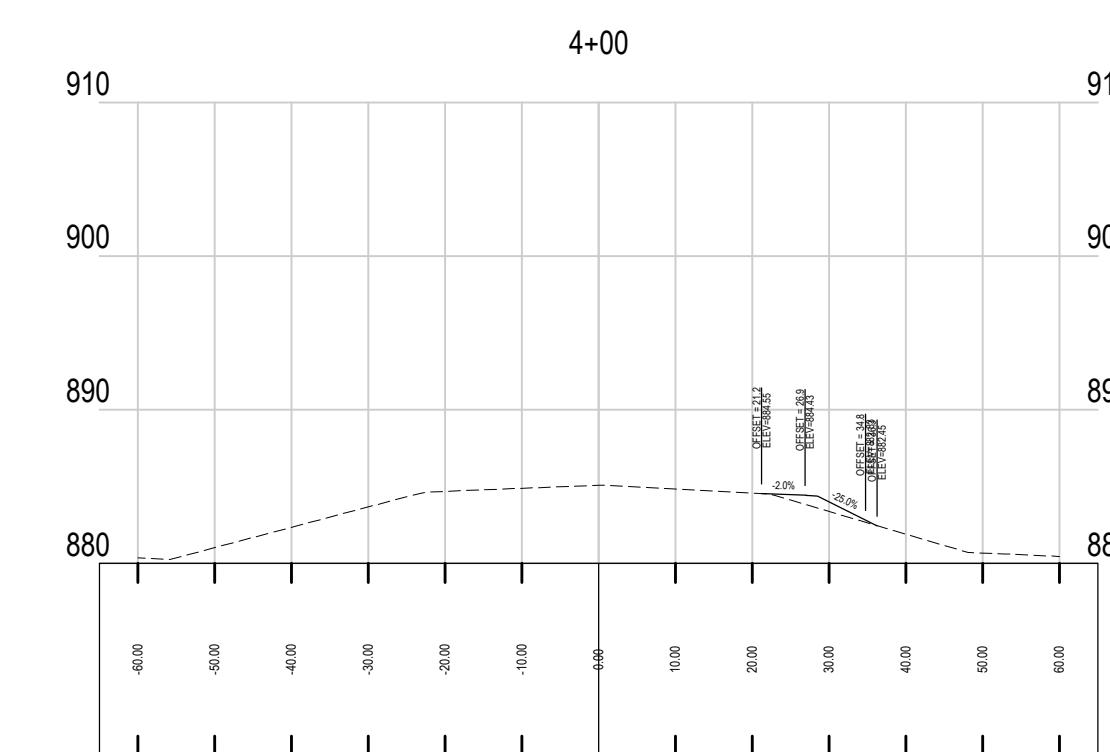
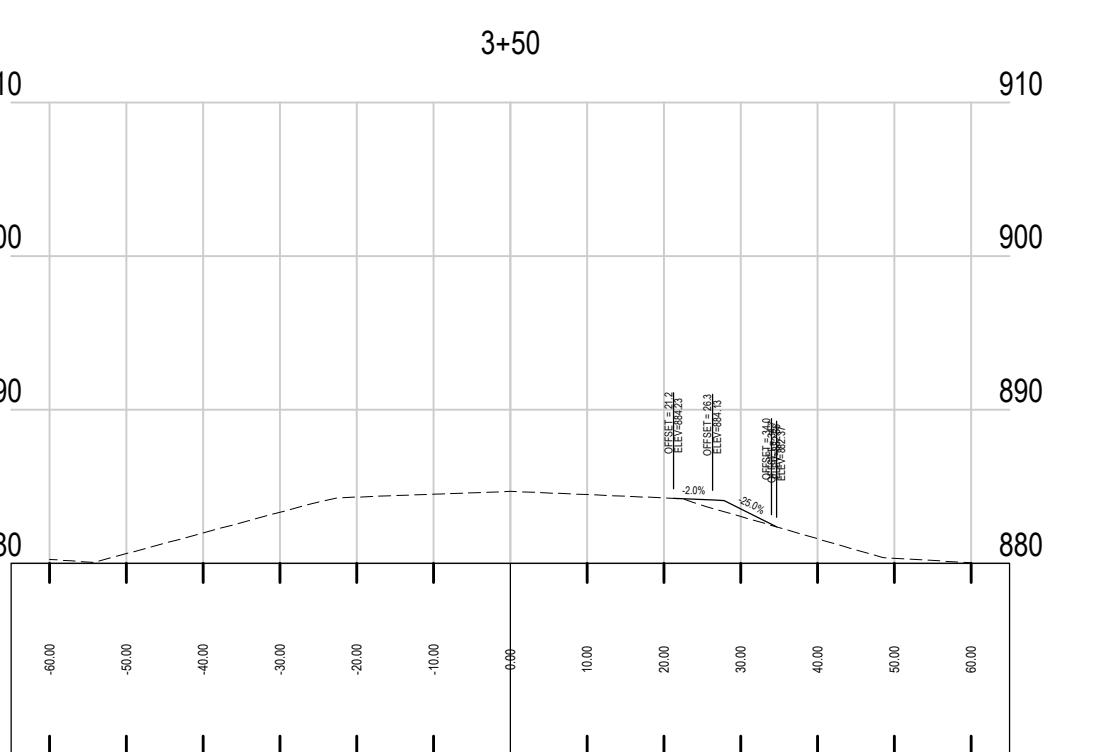
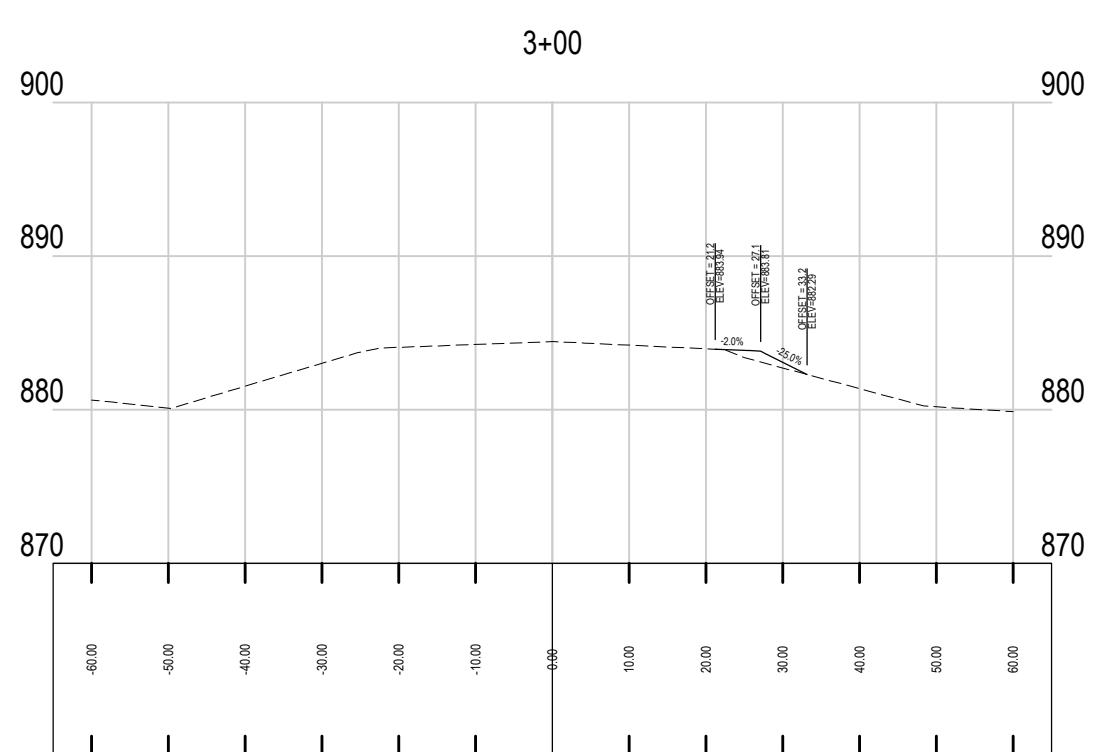
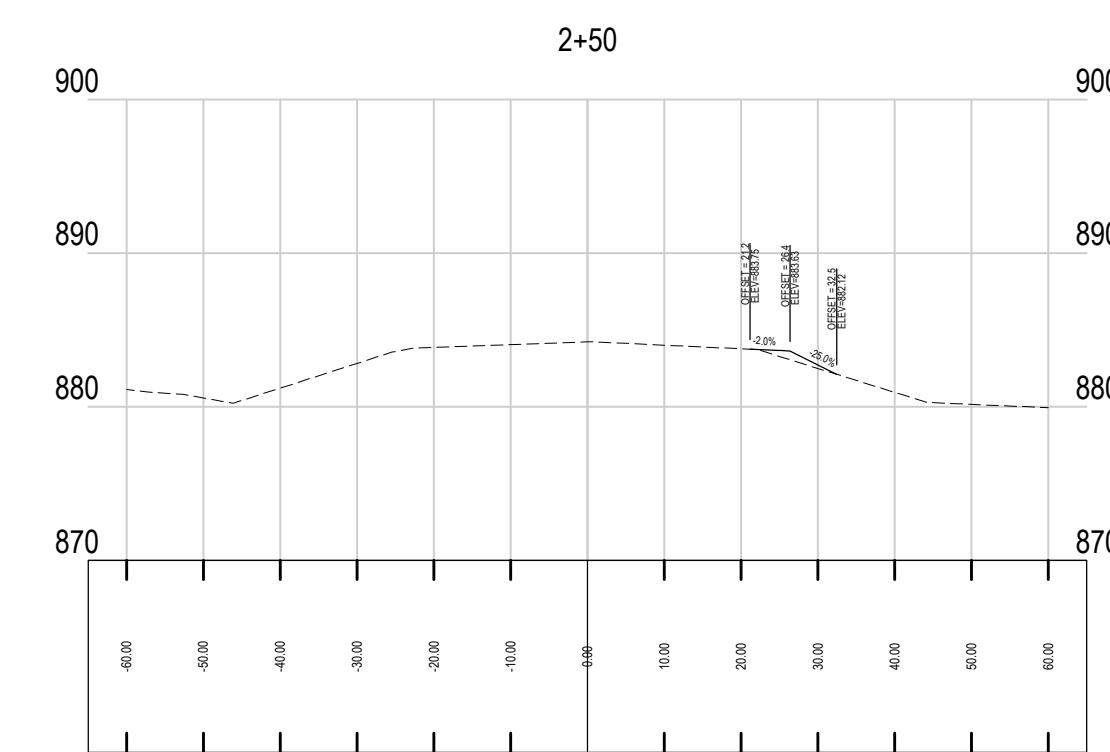
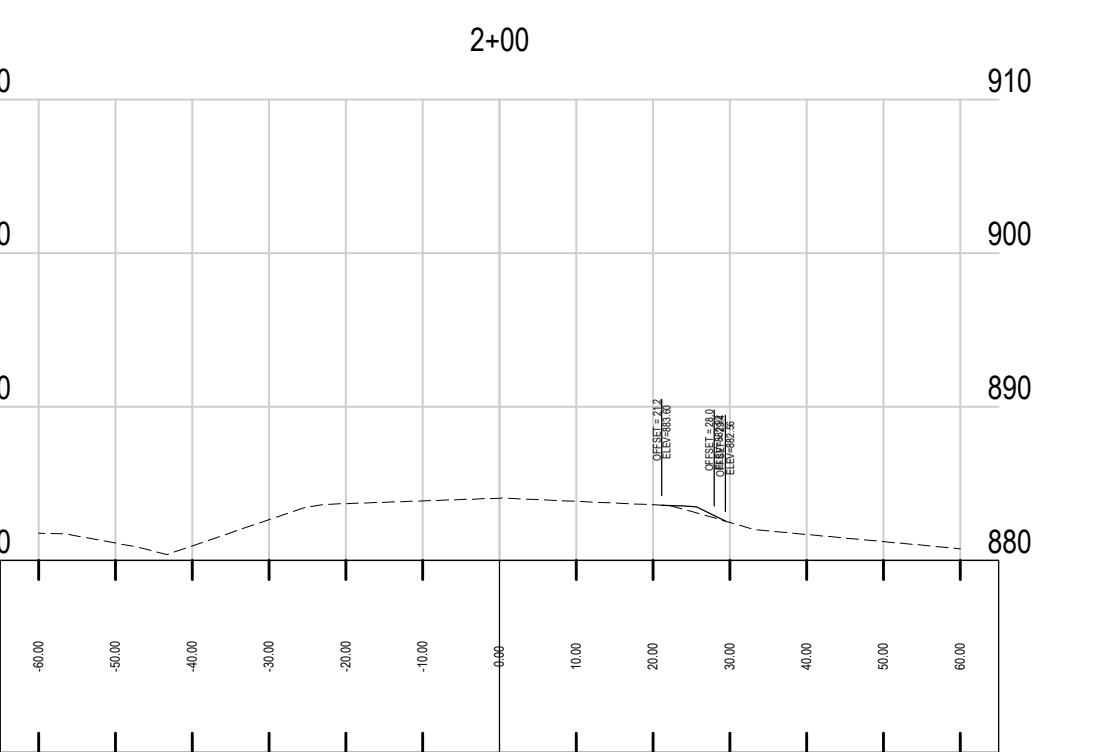
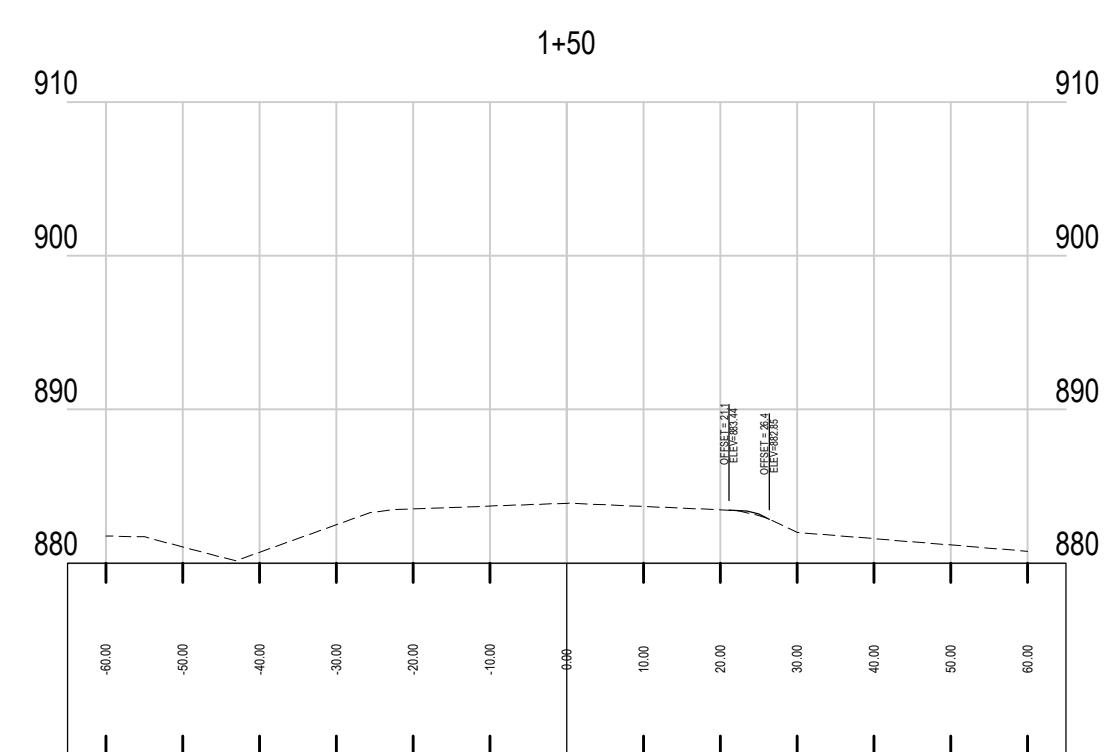
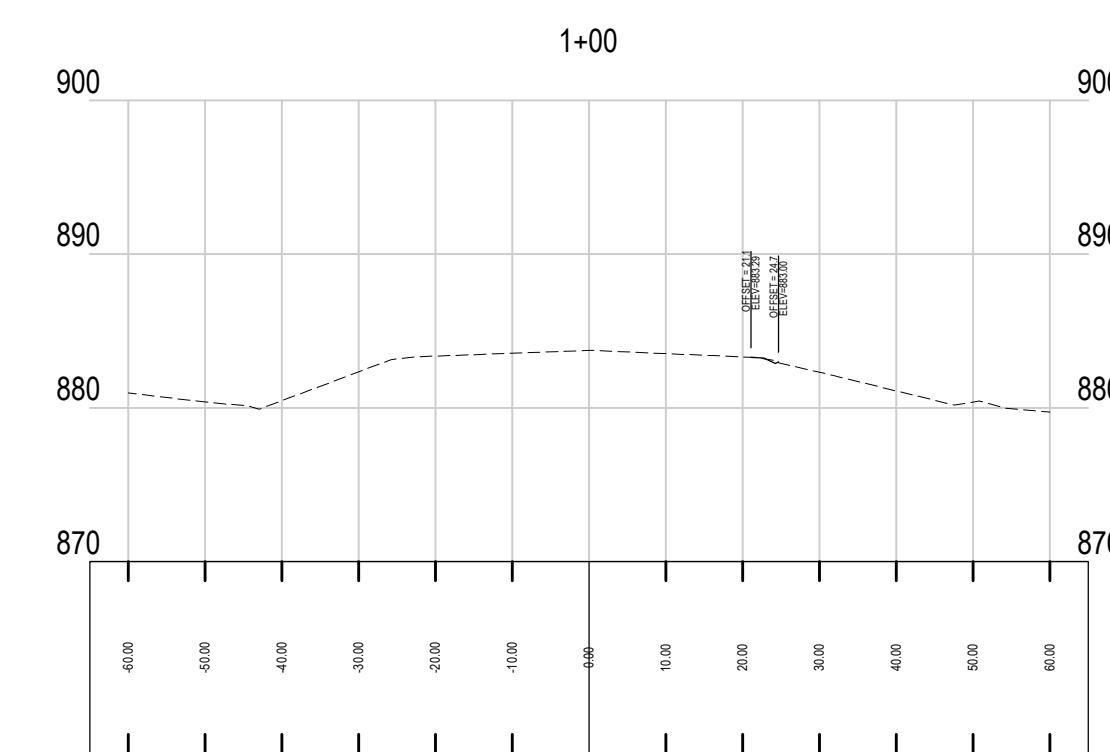
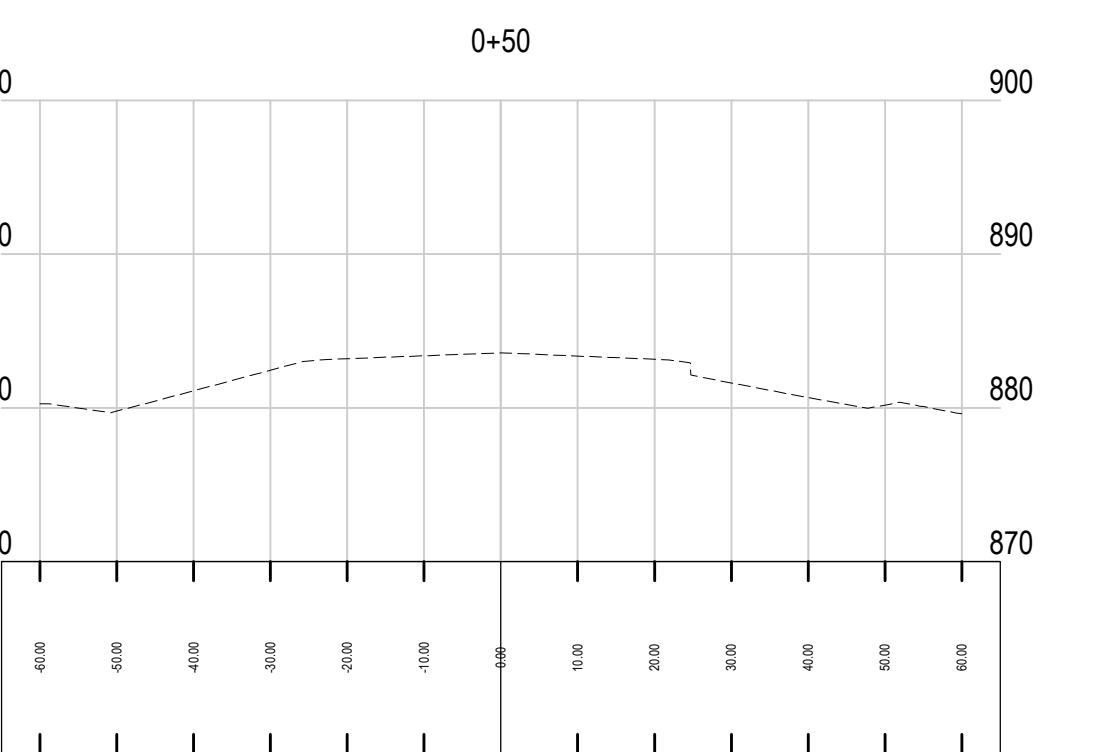
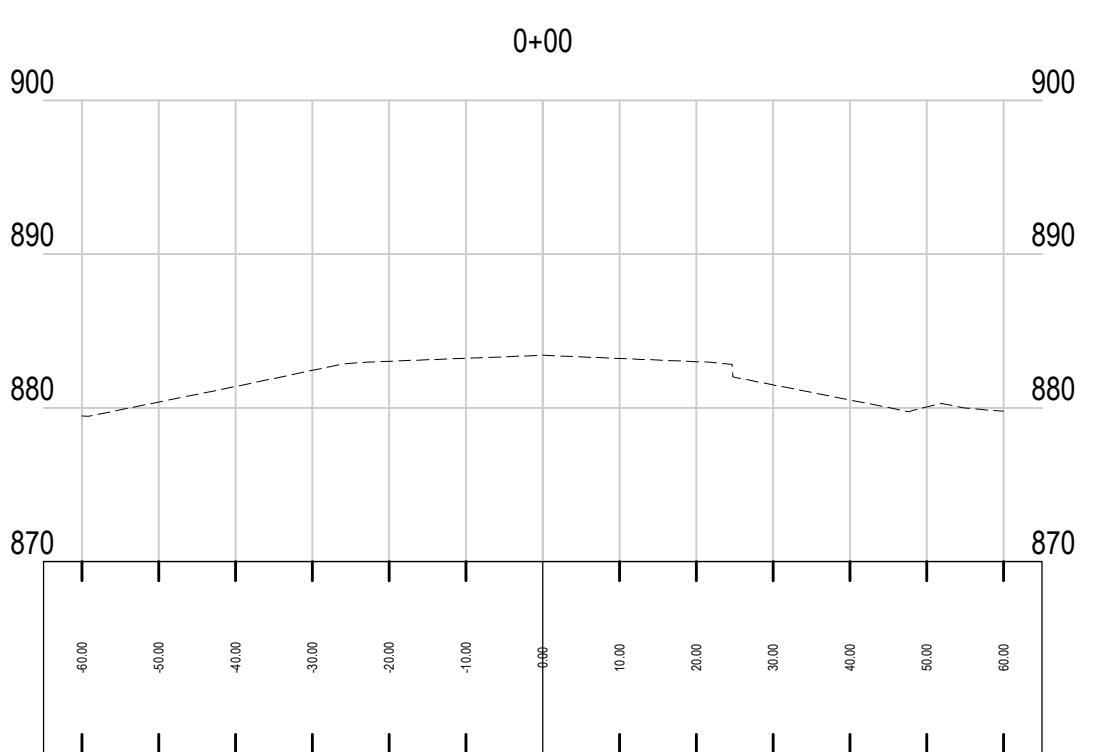
Greater than 2 - 4 inches without taper

Greater than 2 - 4 inches with 1:3 taper

Greater than 2 - 4 inches without taper



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## CERTIFICATION

I hereby certify that this plan was prepared by me, or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the state of MINNESOTA.

Eric T. Luth, PE  
License No: 50475 Date: 04/23/2024

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INTERSECTION IMPROVEMENT PLANS  
06/21/2024

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Minneapolis, MN 55401 Web: landform.net

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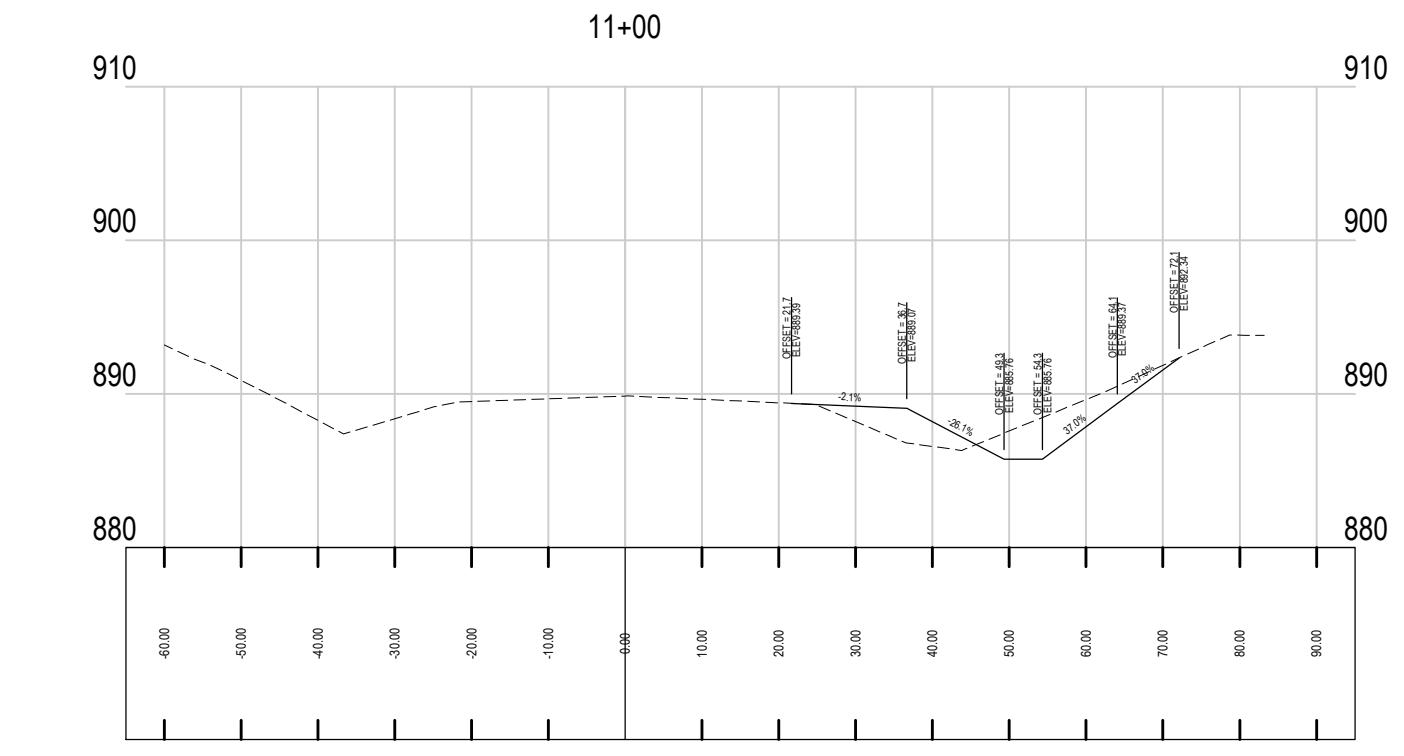
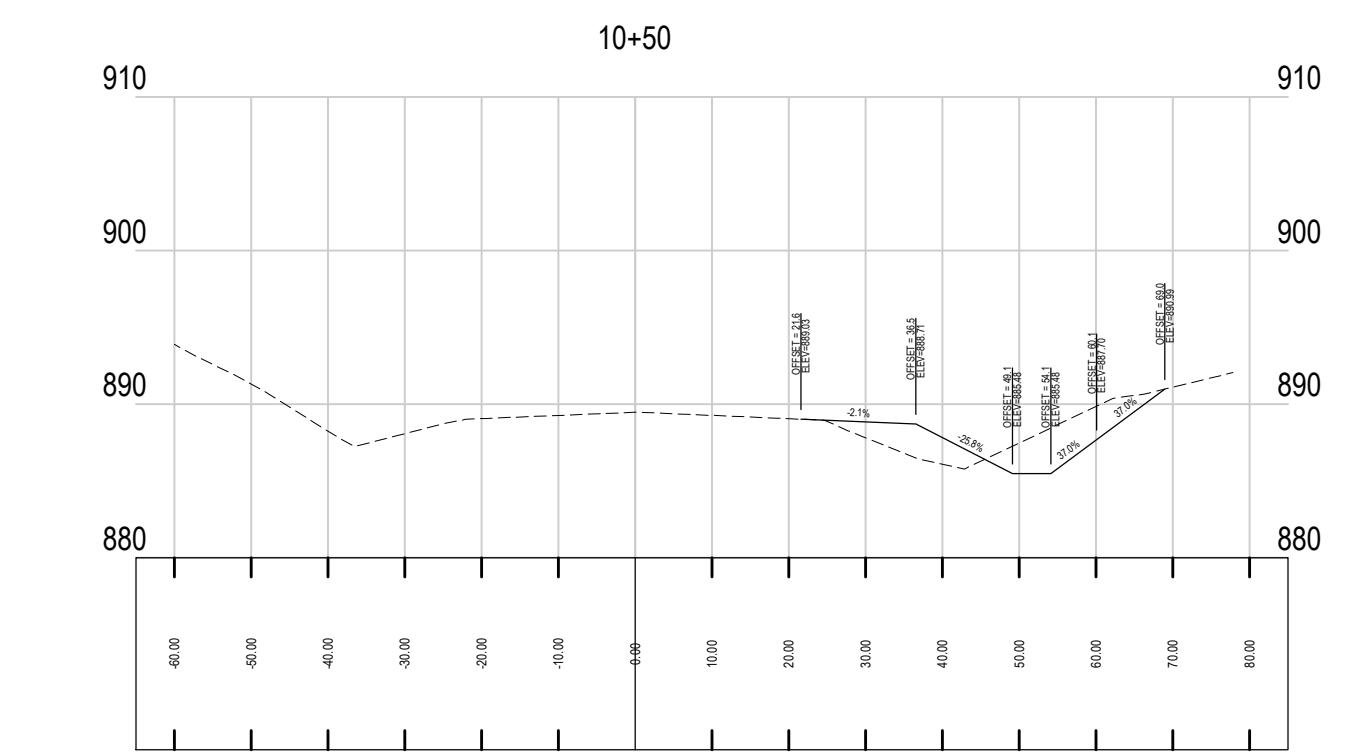
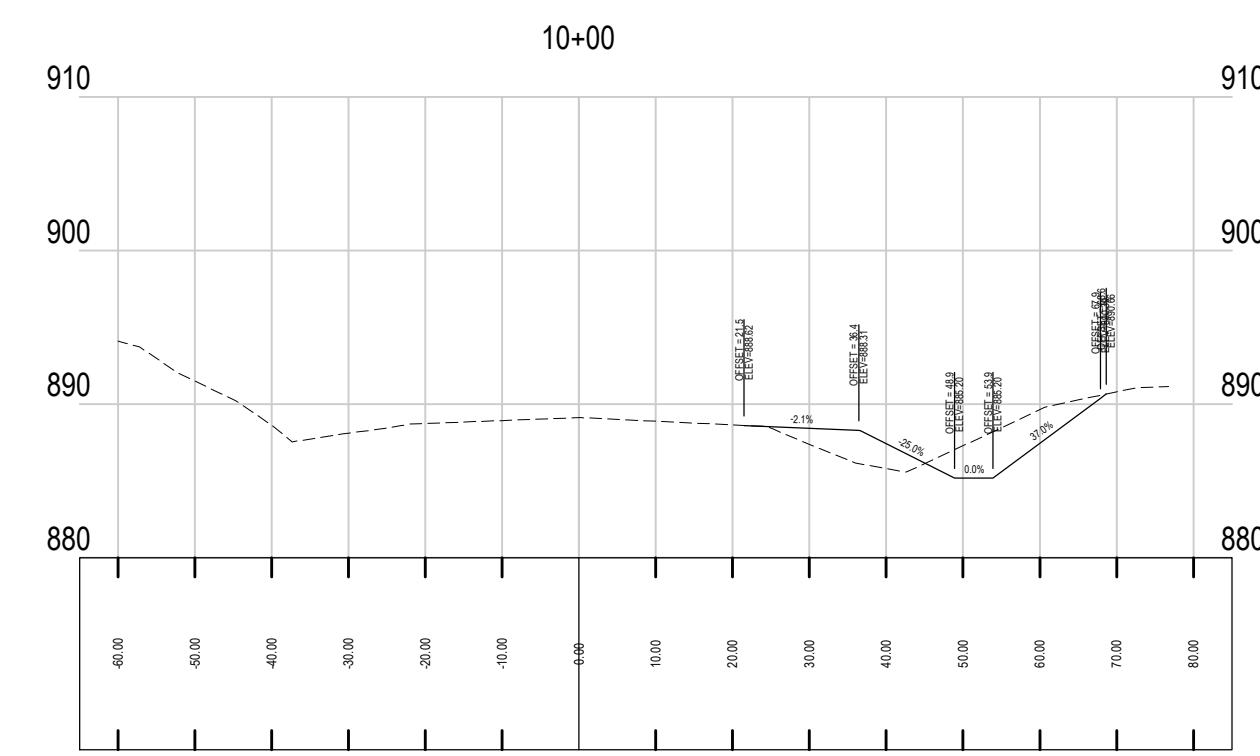
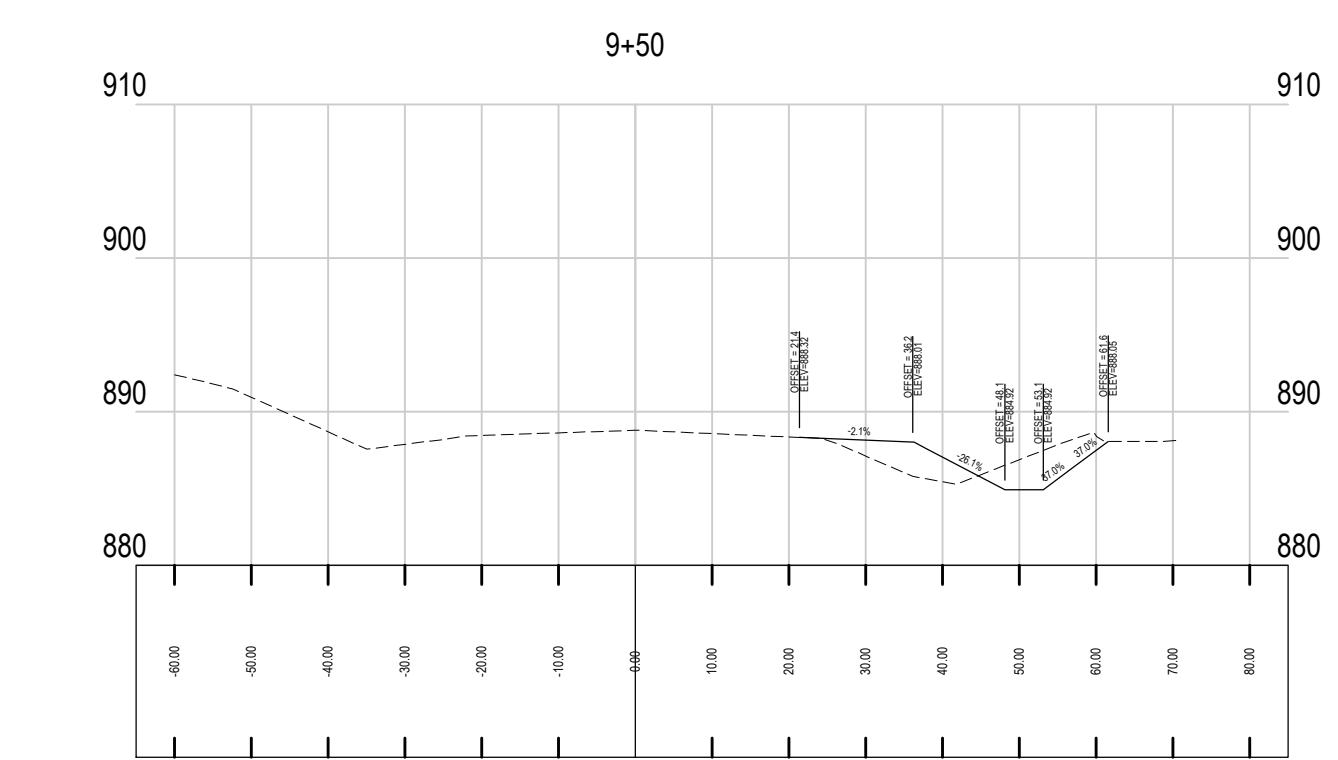
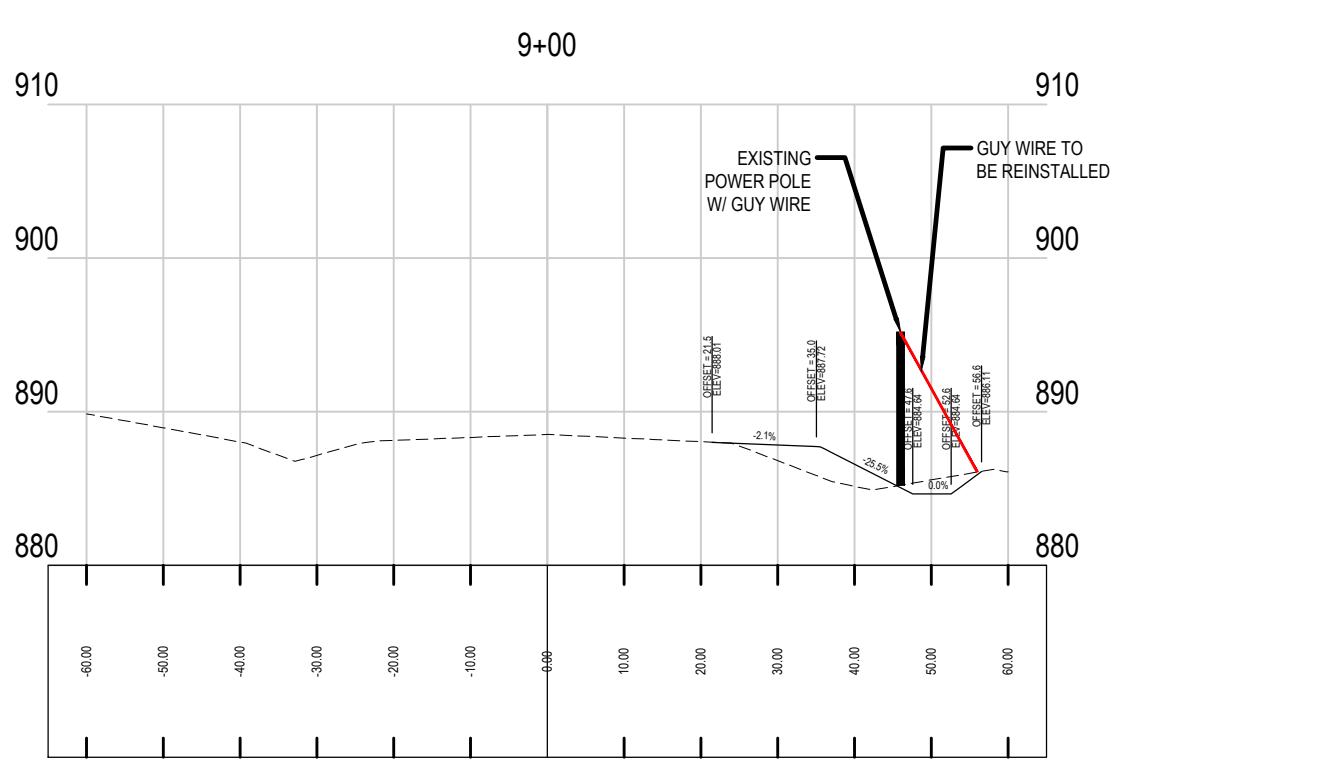
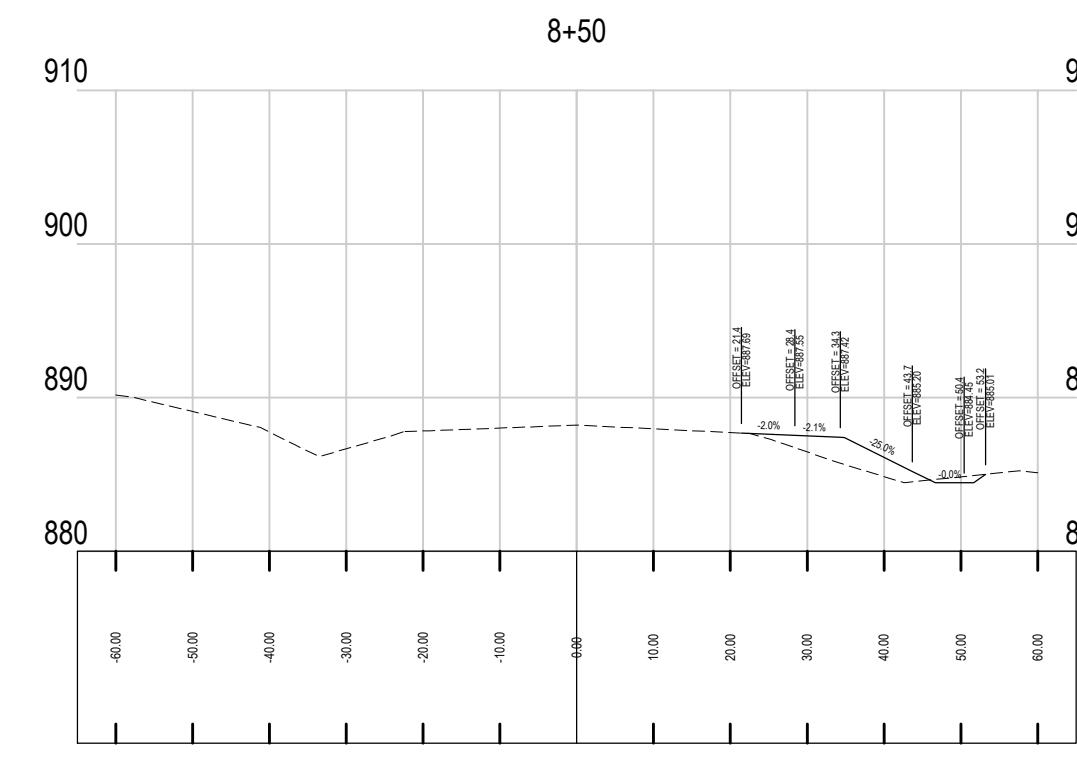
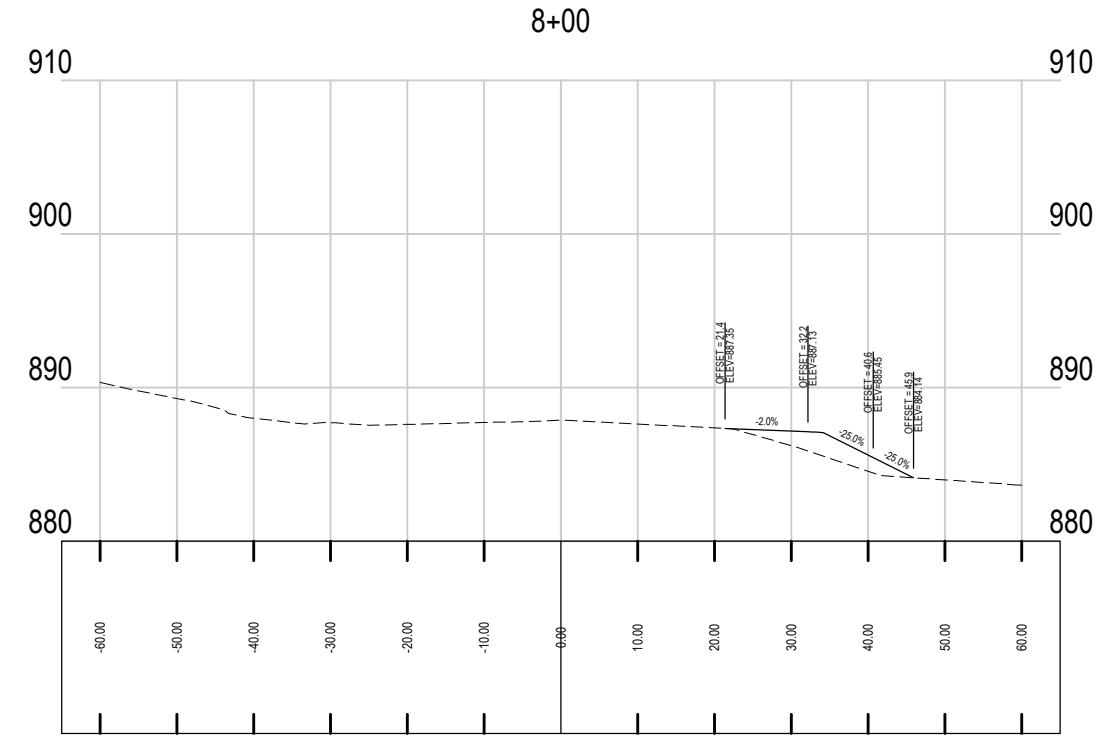
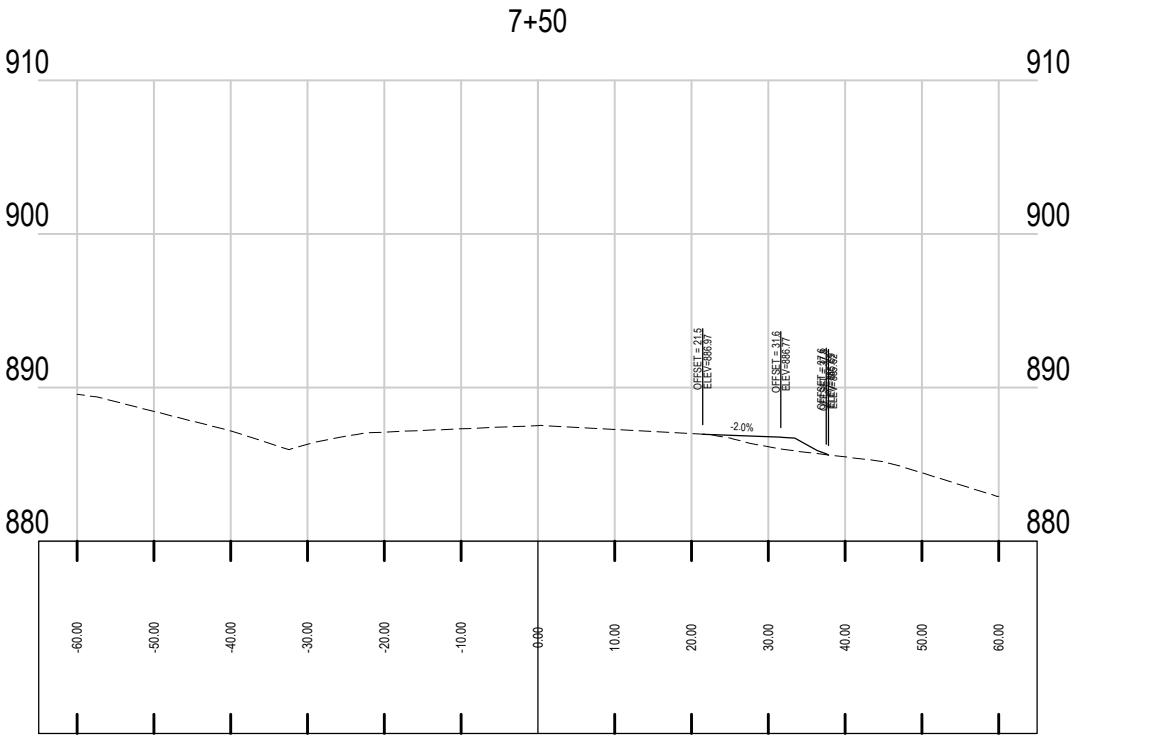
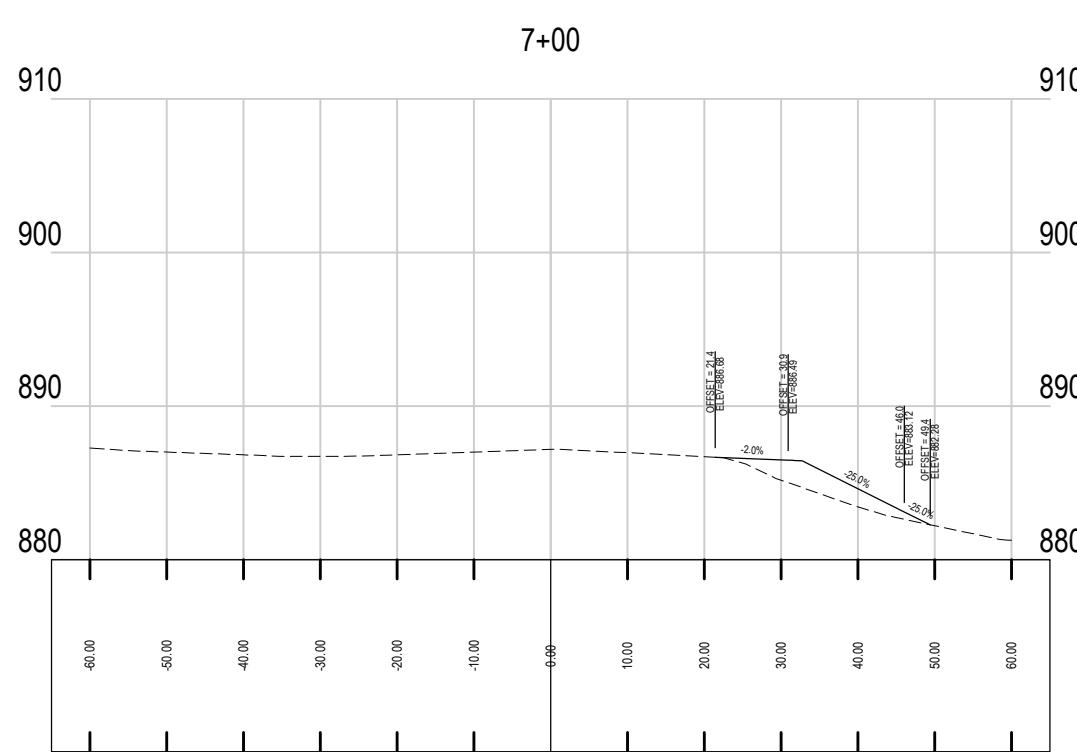
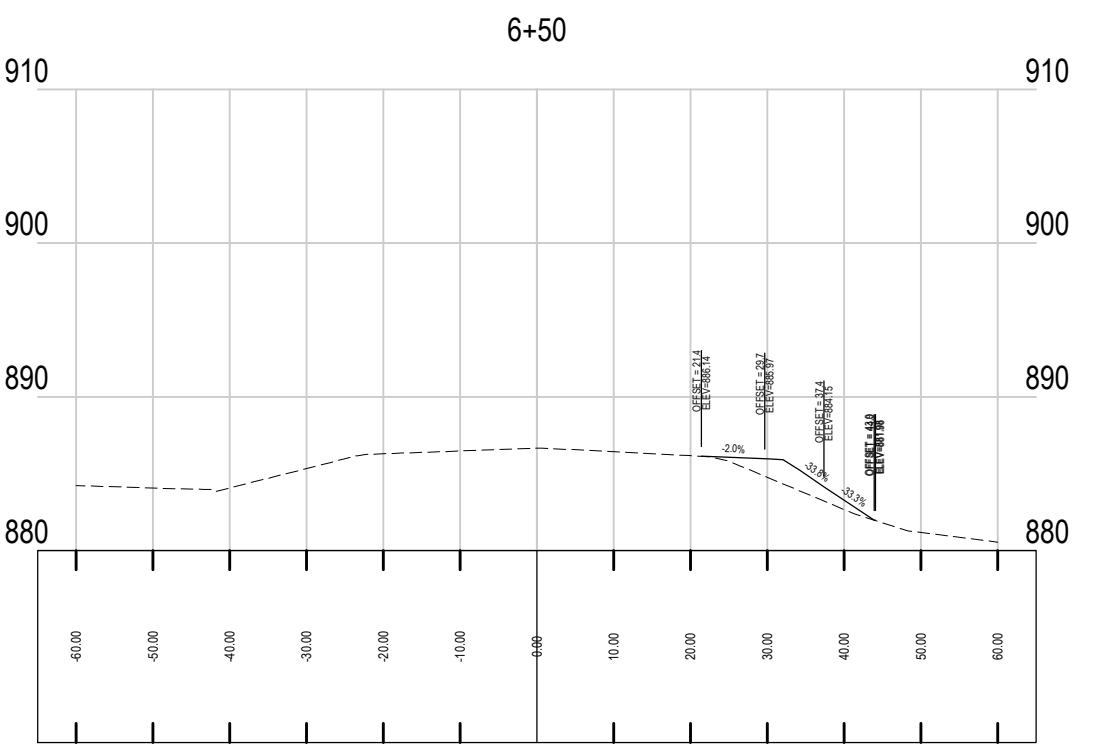
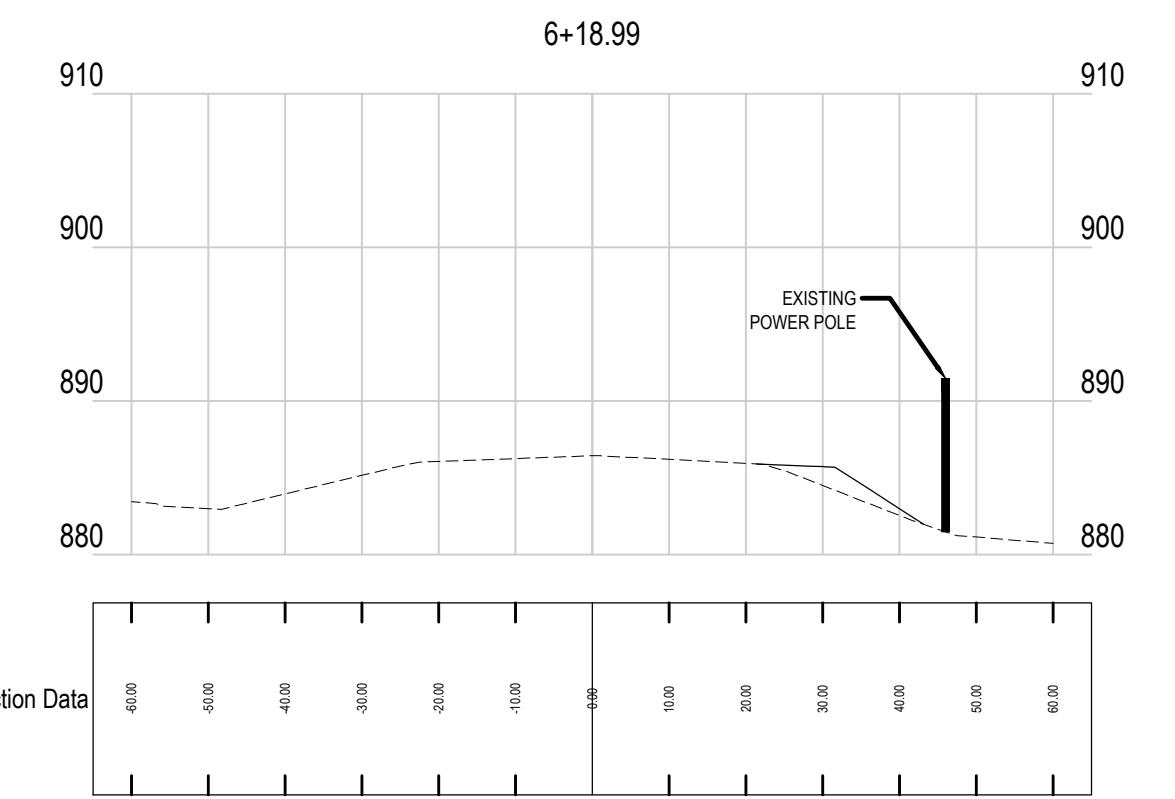
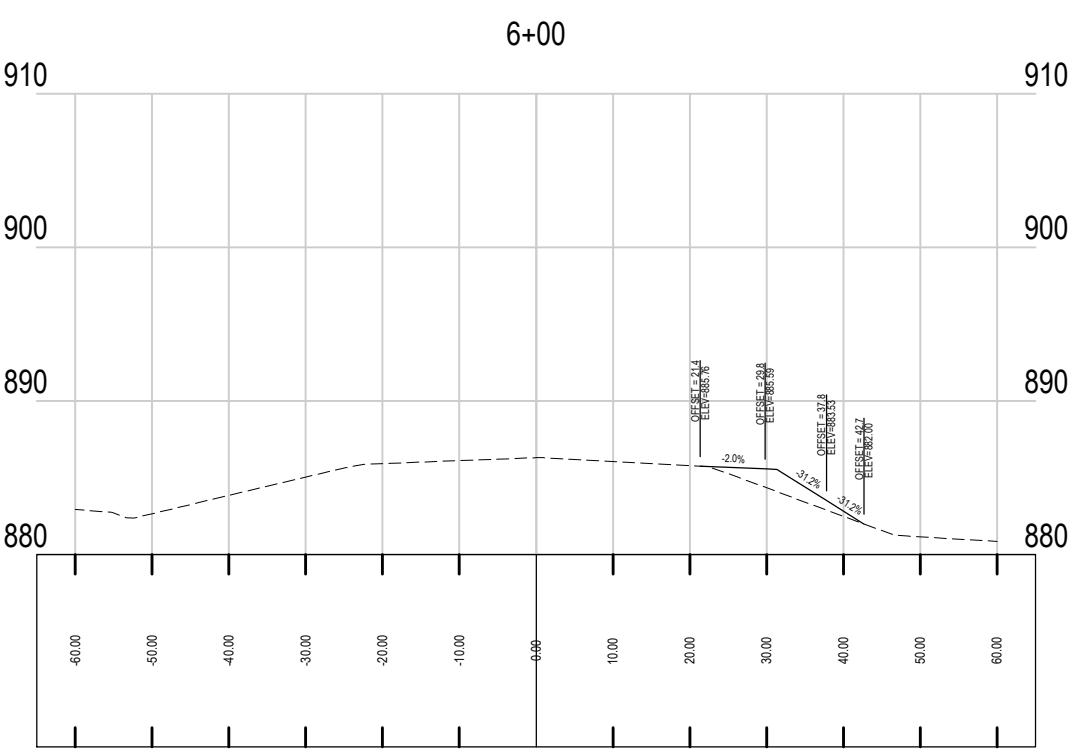
PROJECT NO. LDP17002.003

TURN LANE  
CROSS SECTIONS  
C5.0

HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=25'



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Eric Kuhn, PE  
License No: 50475 Date: 04/23/2024

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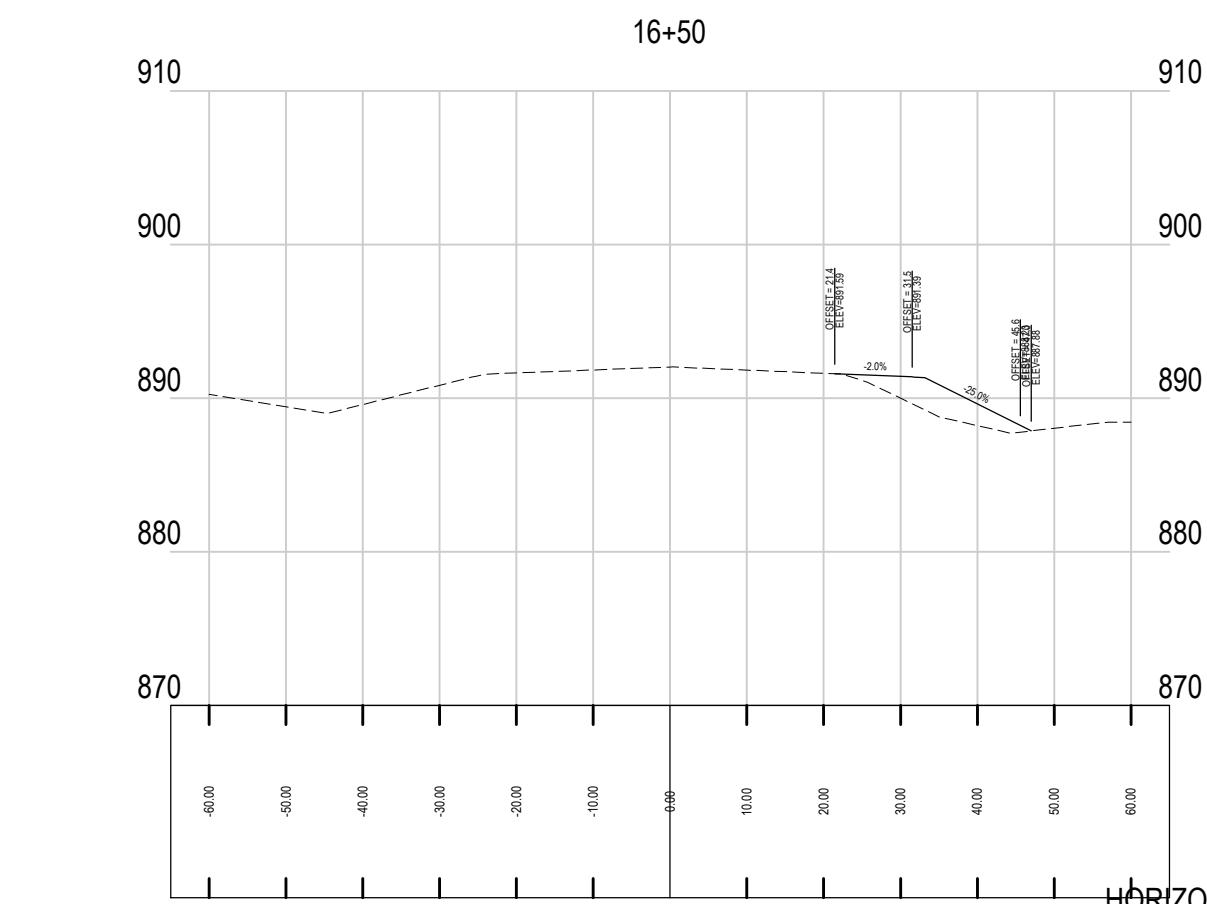
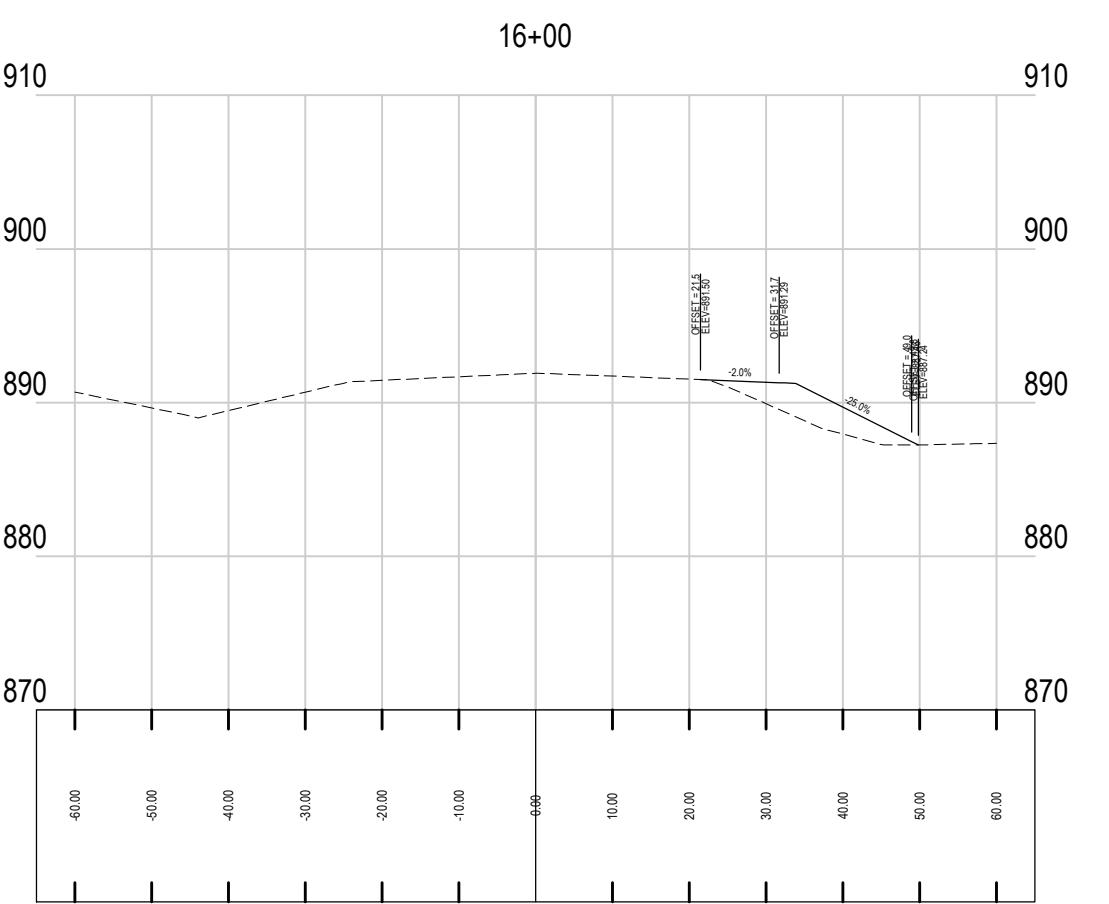
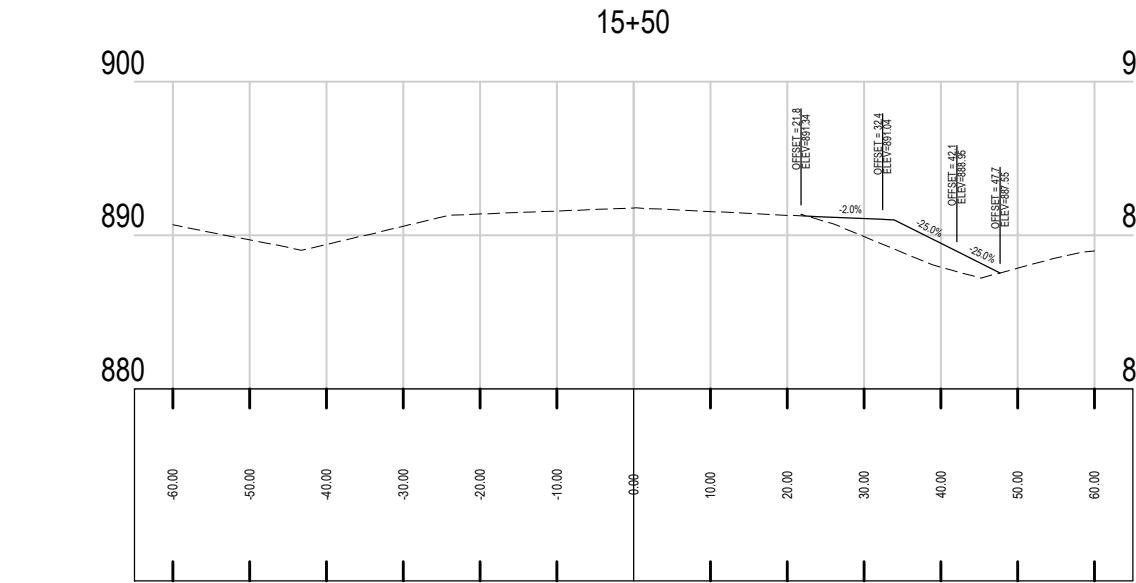
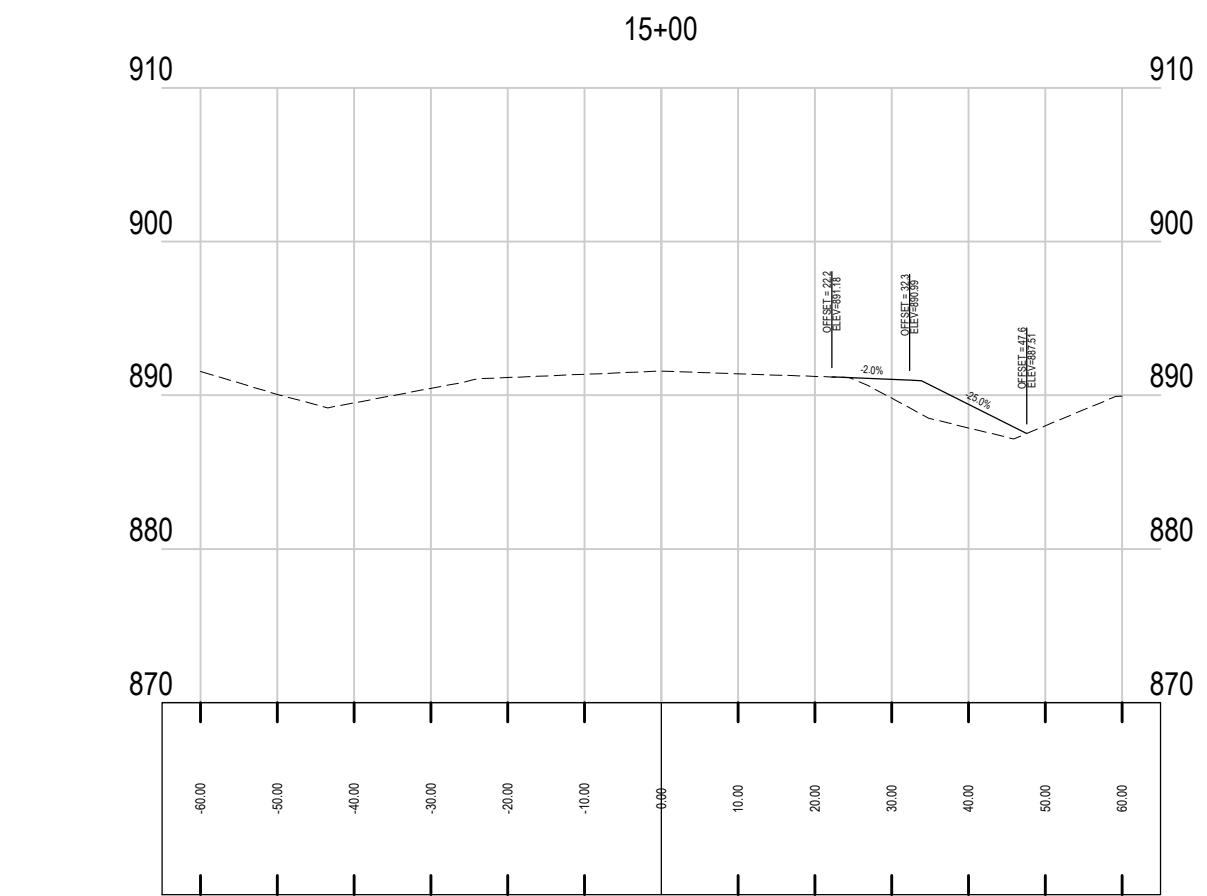
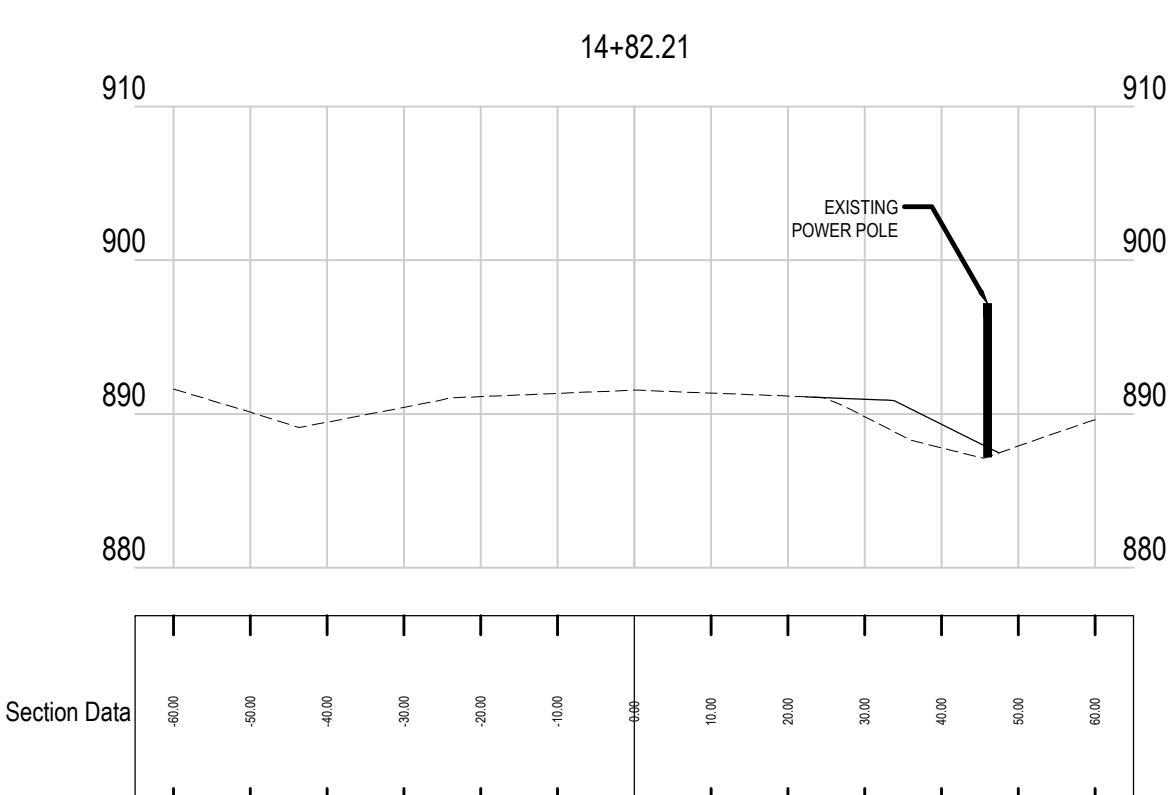
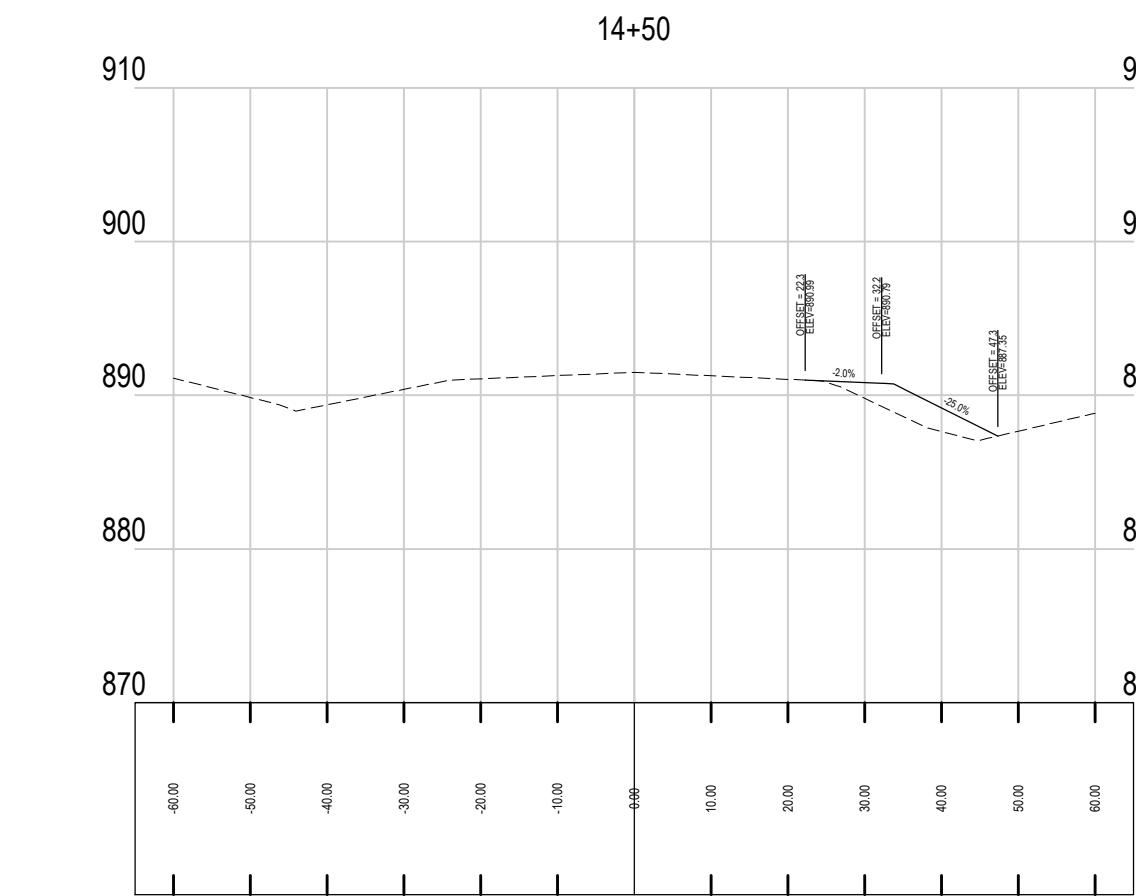
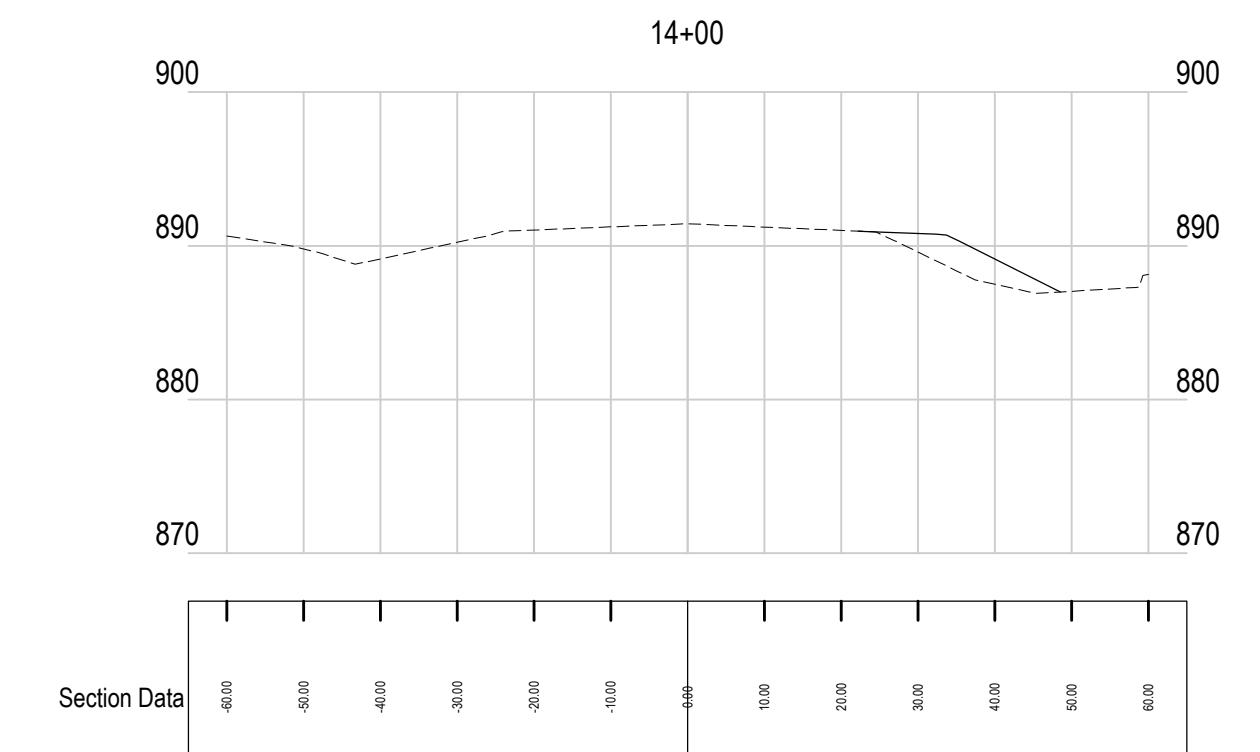
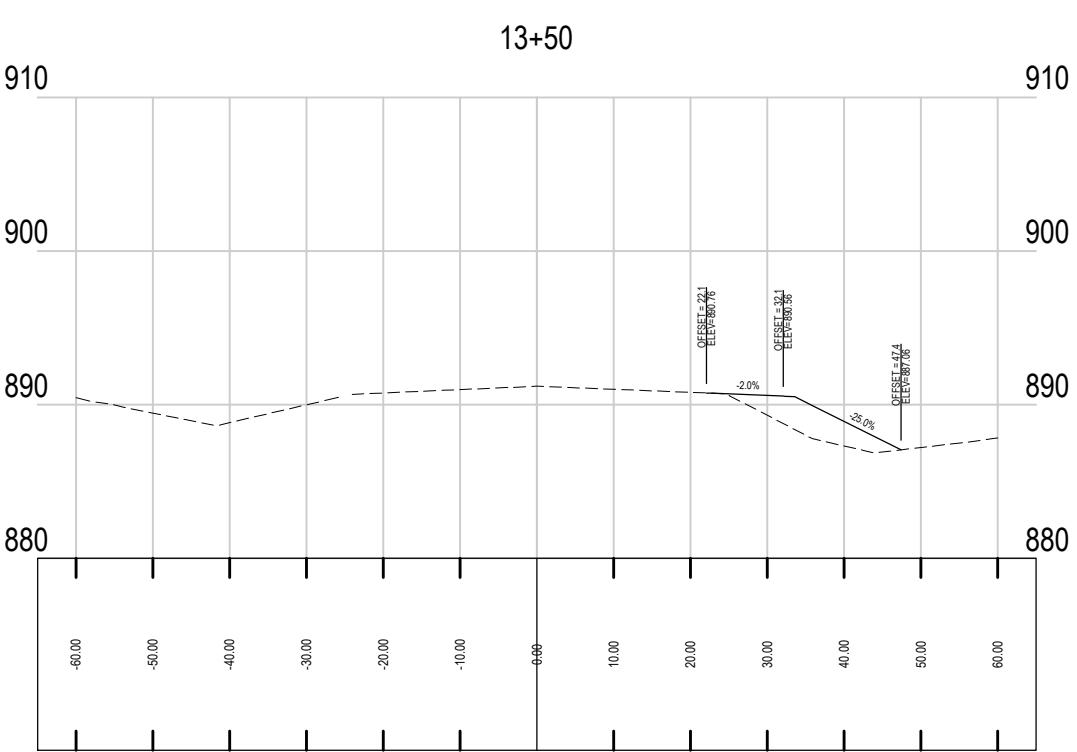
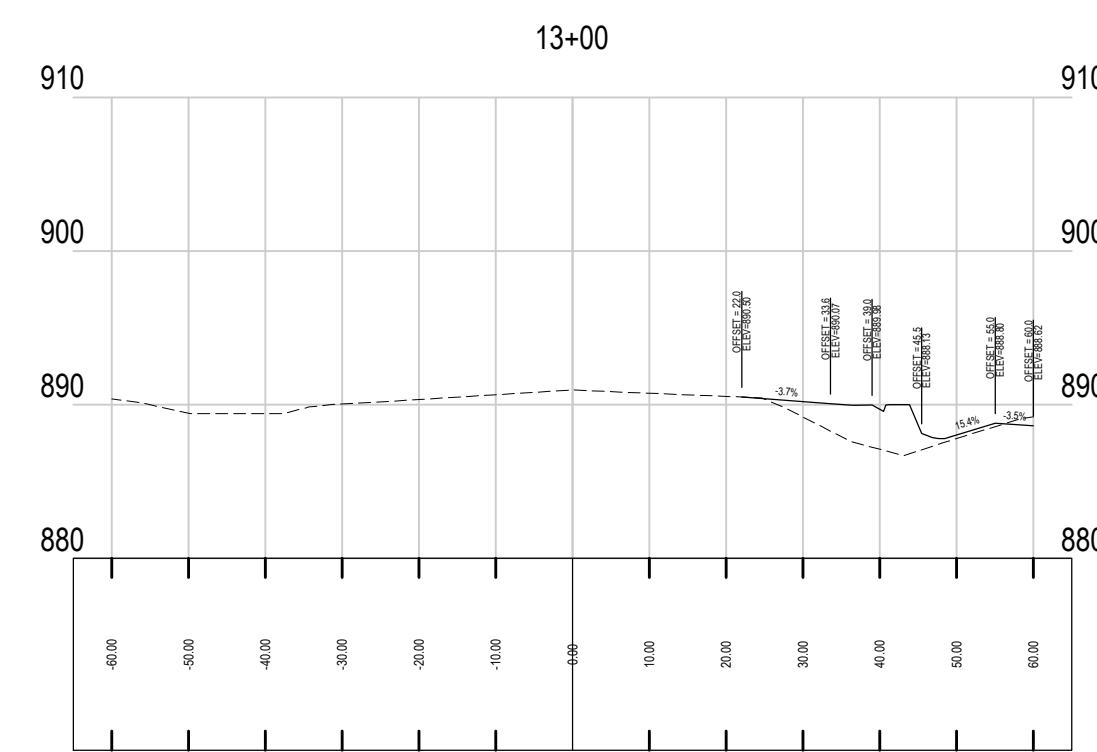
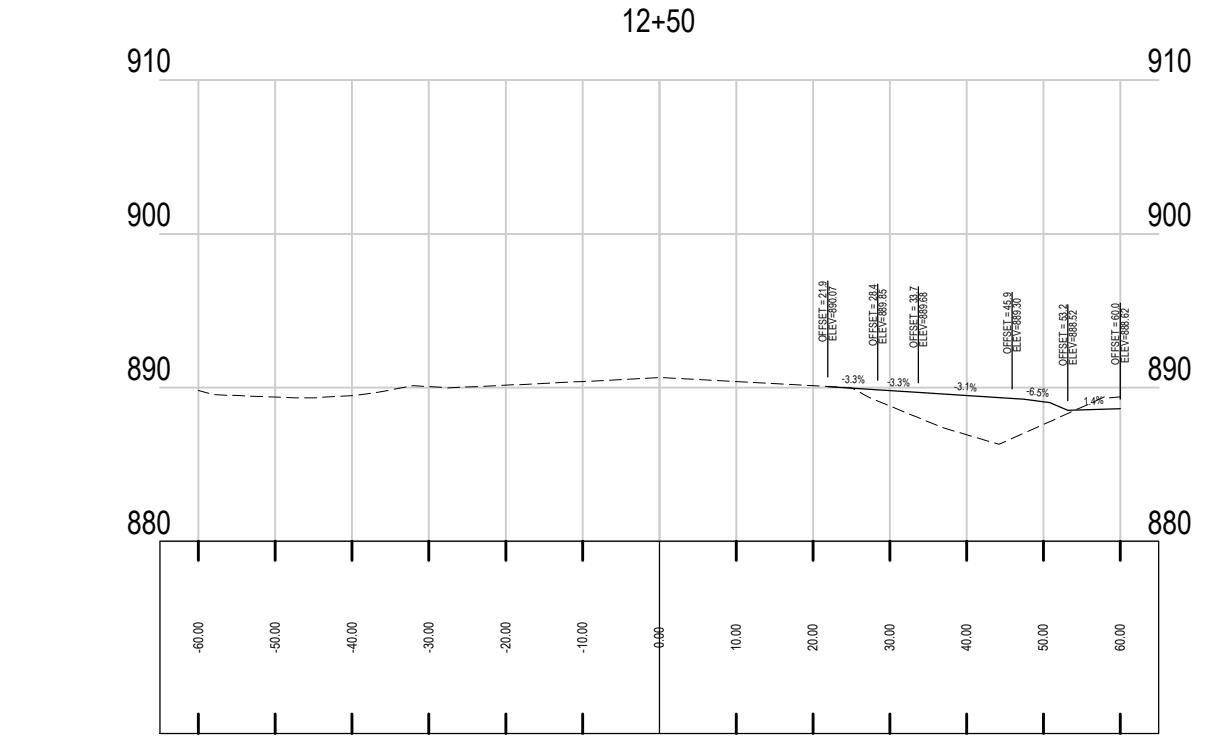
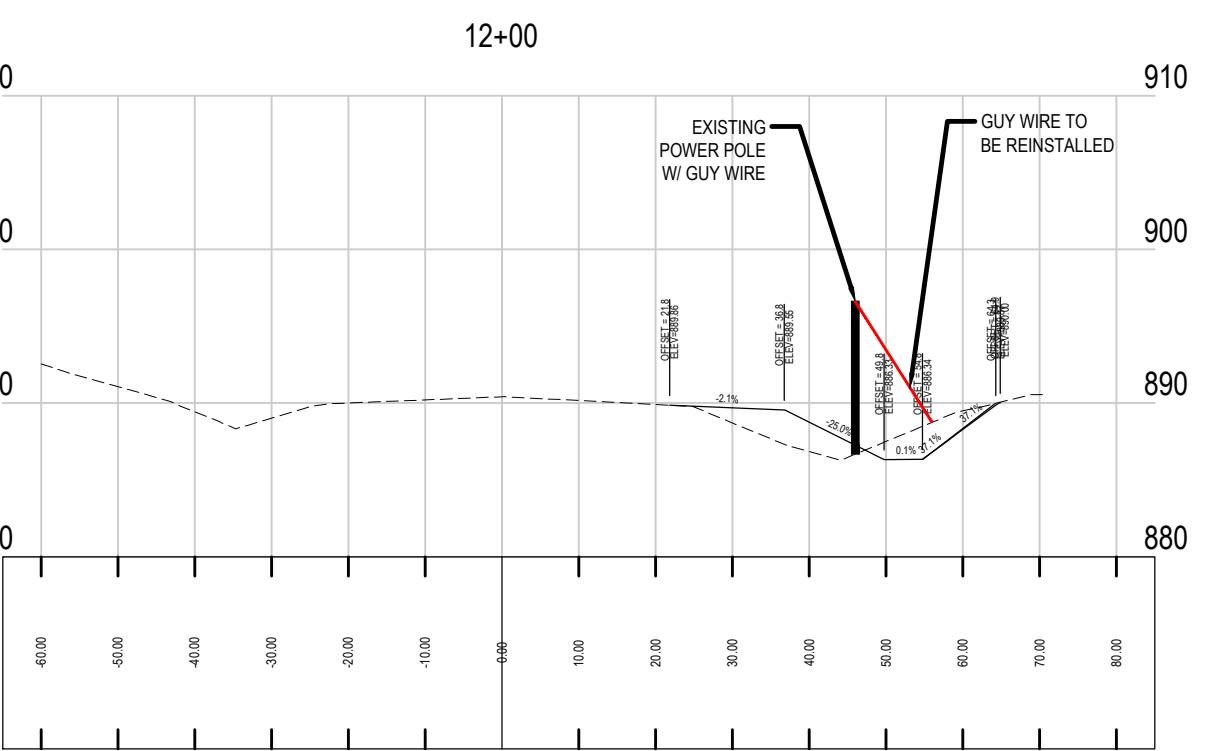
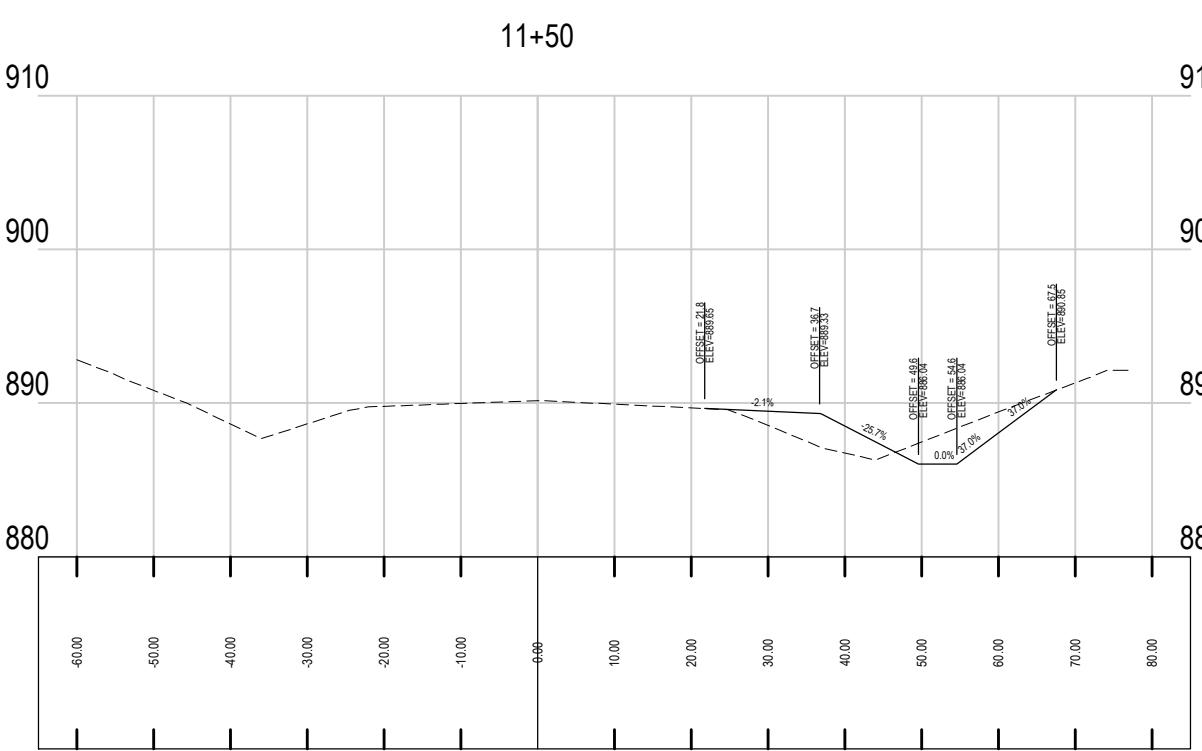
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TURN LANE  
CROSS SECTIONS  
C5.1

HORIZONTAL SCALE: 1"=50'  
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License No: 50475 Date: 04/23/2024

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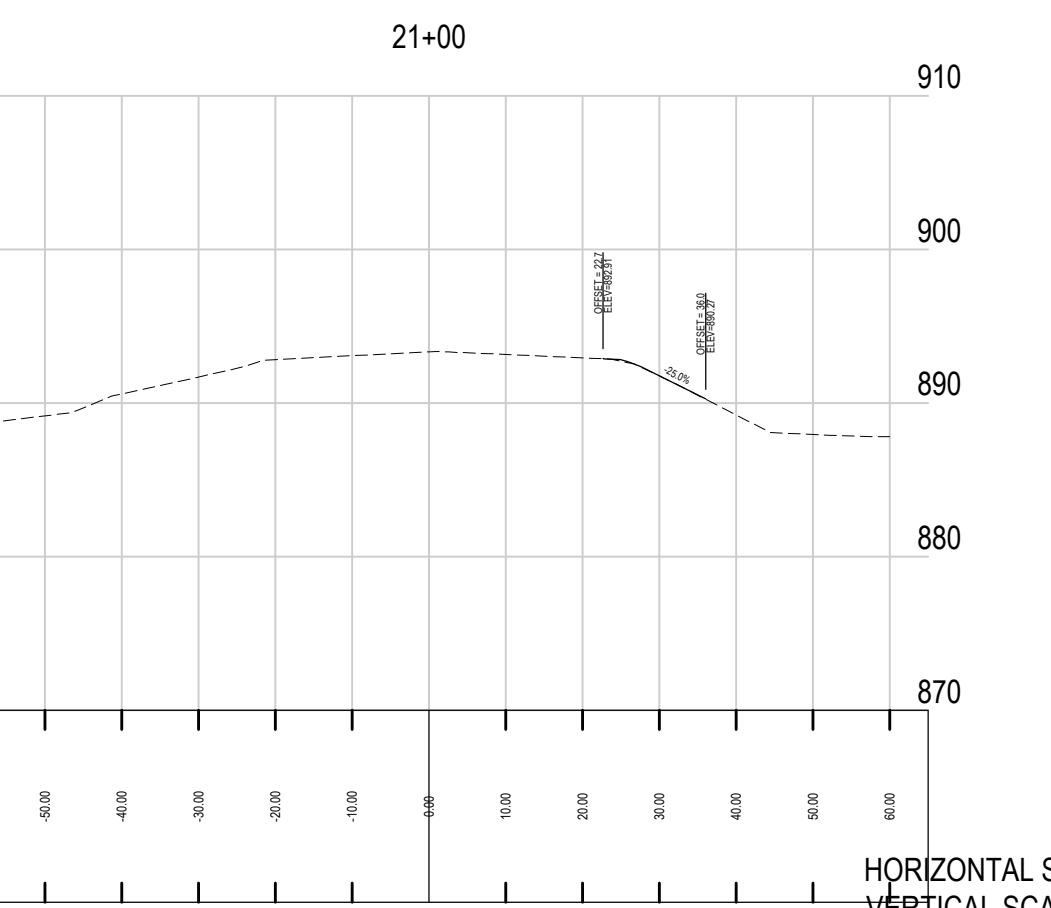
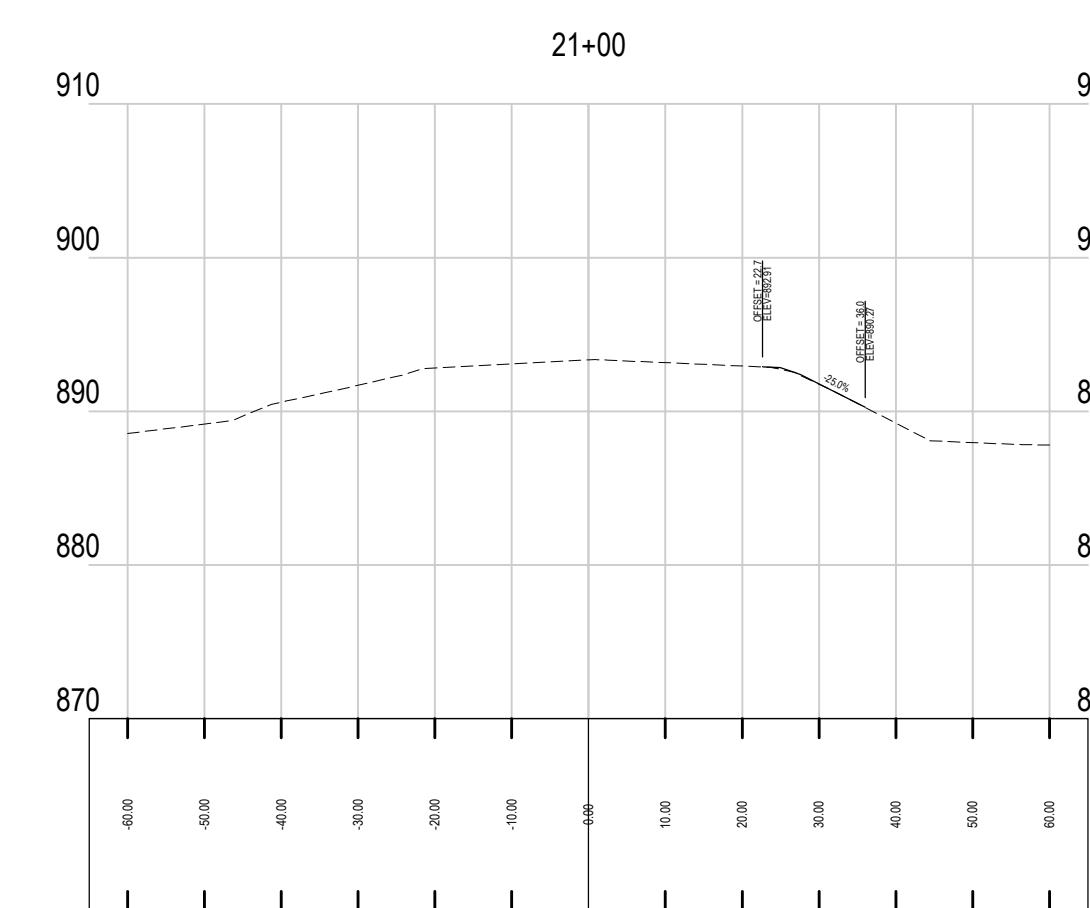
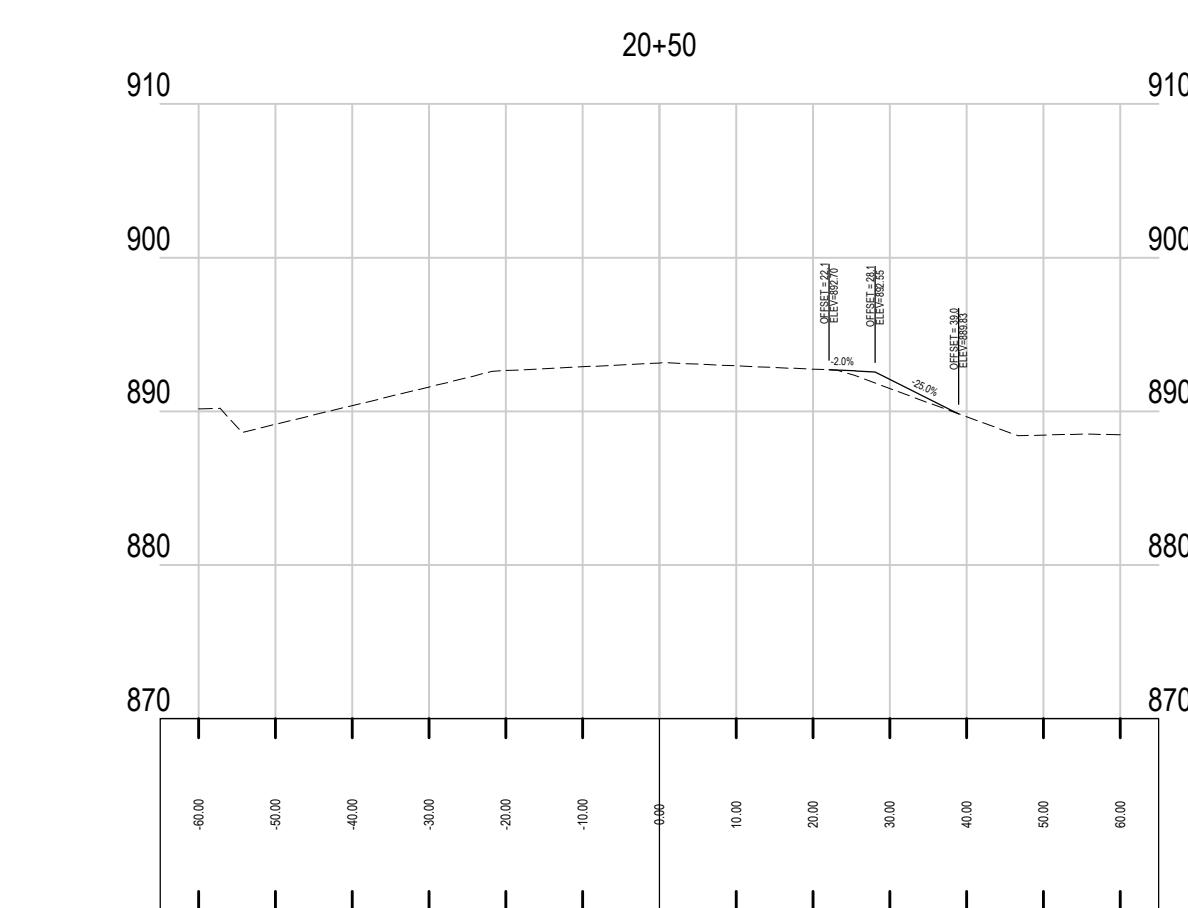
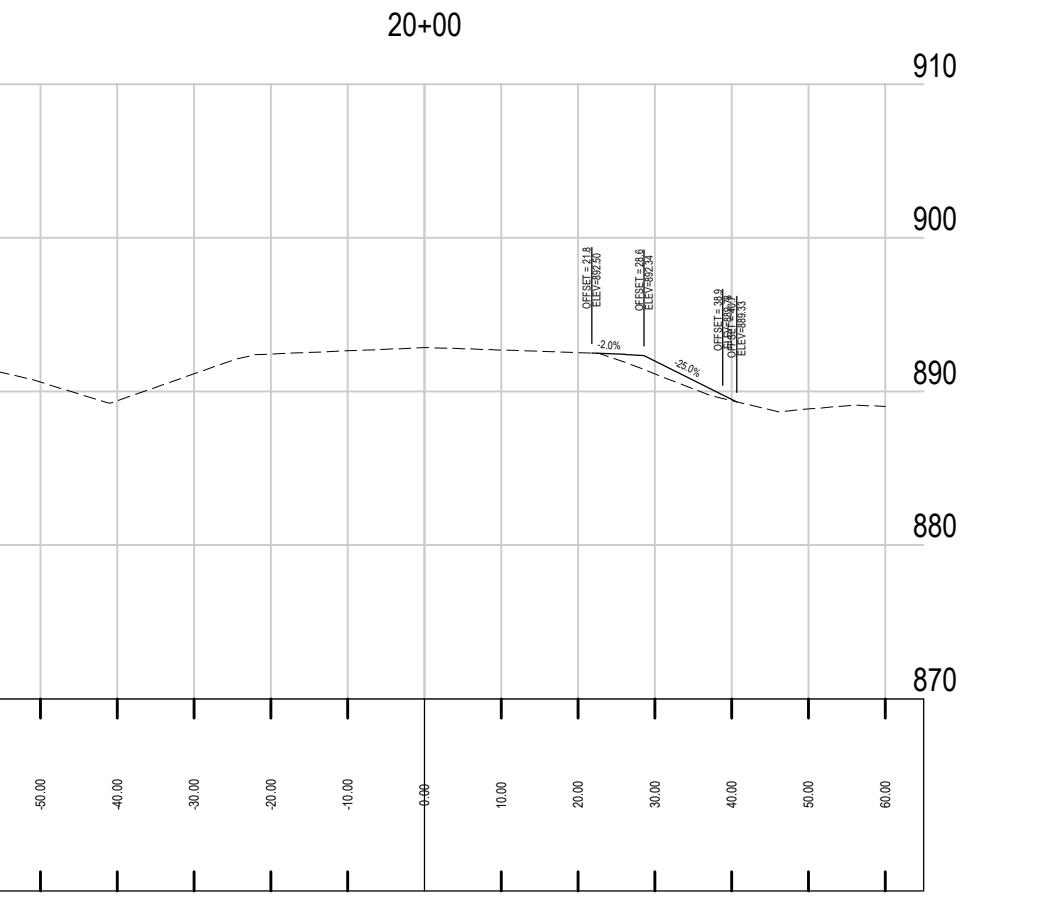
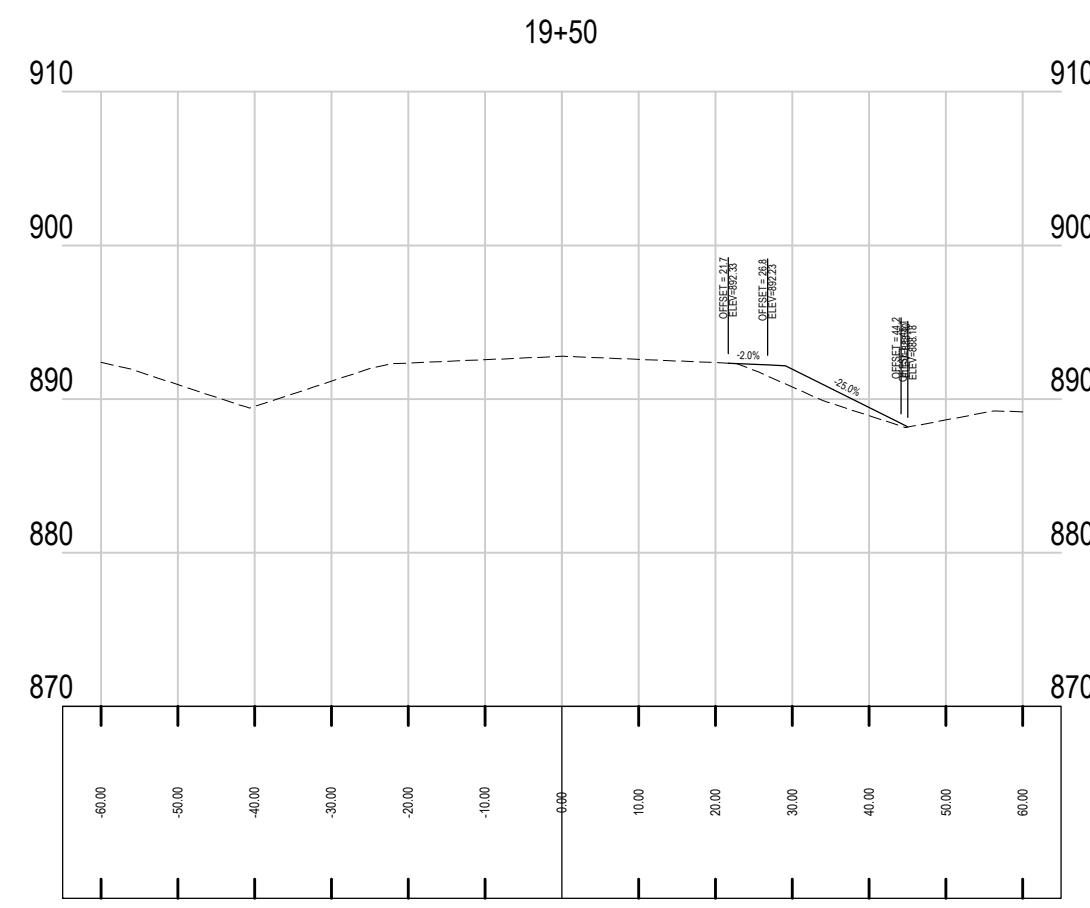
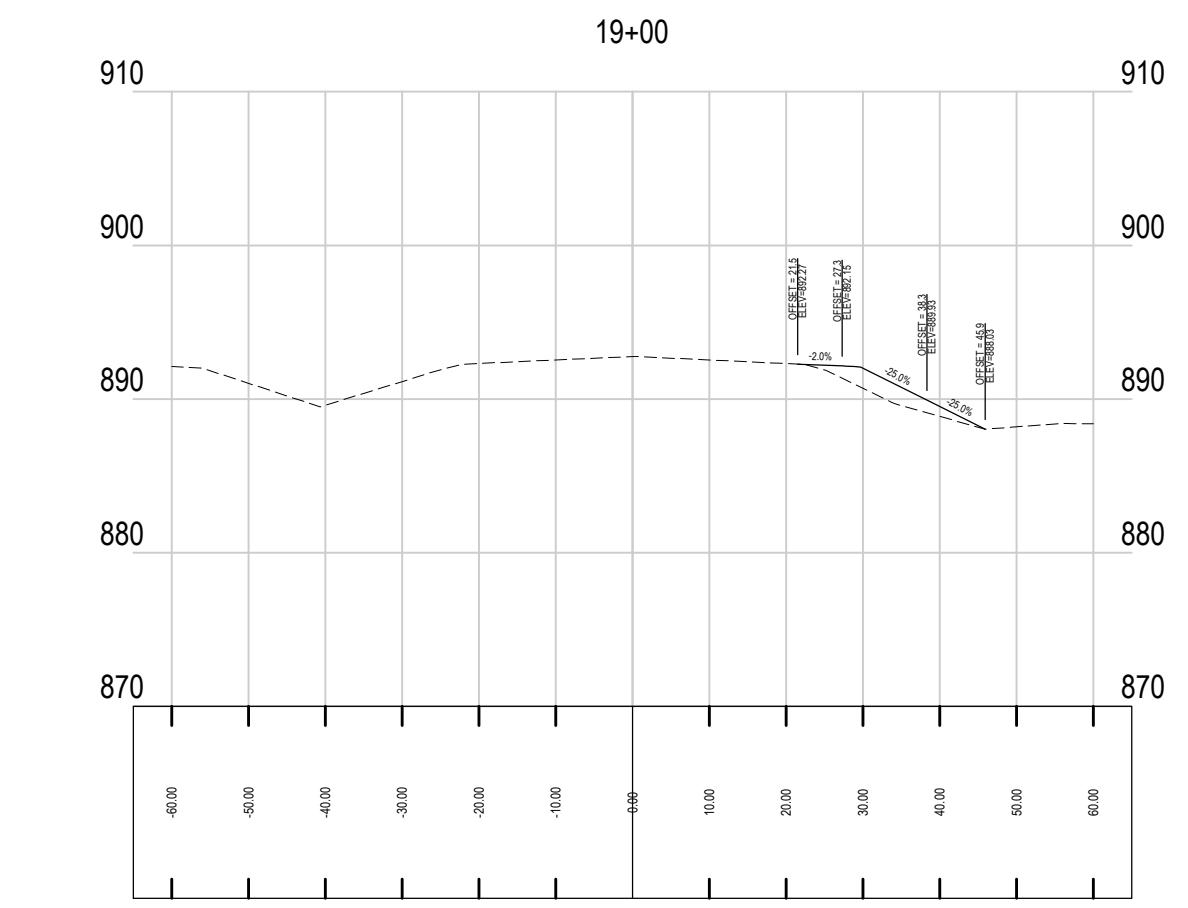
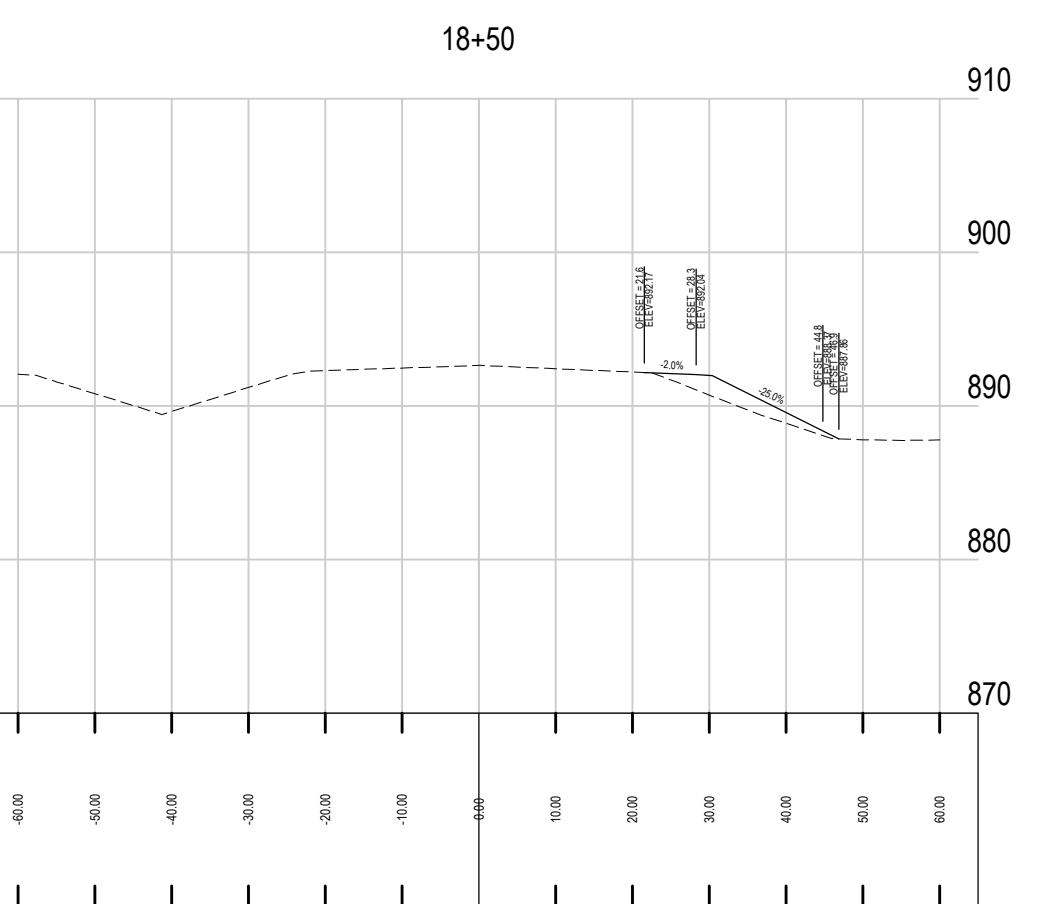
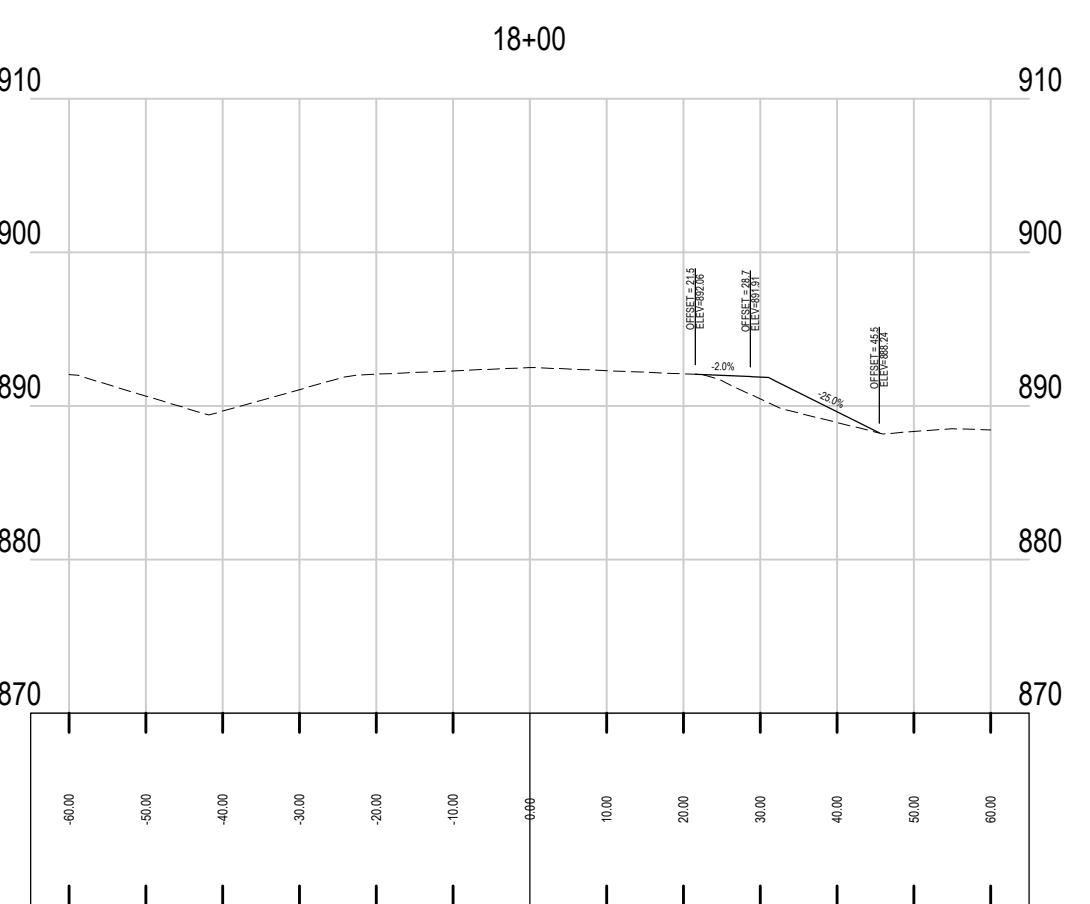
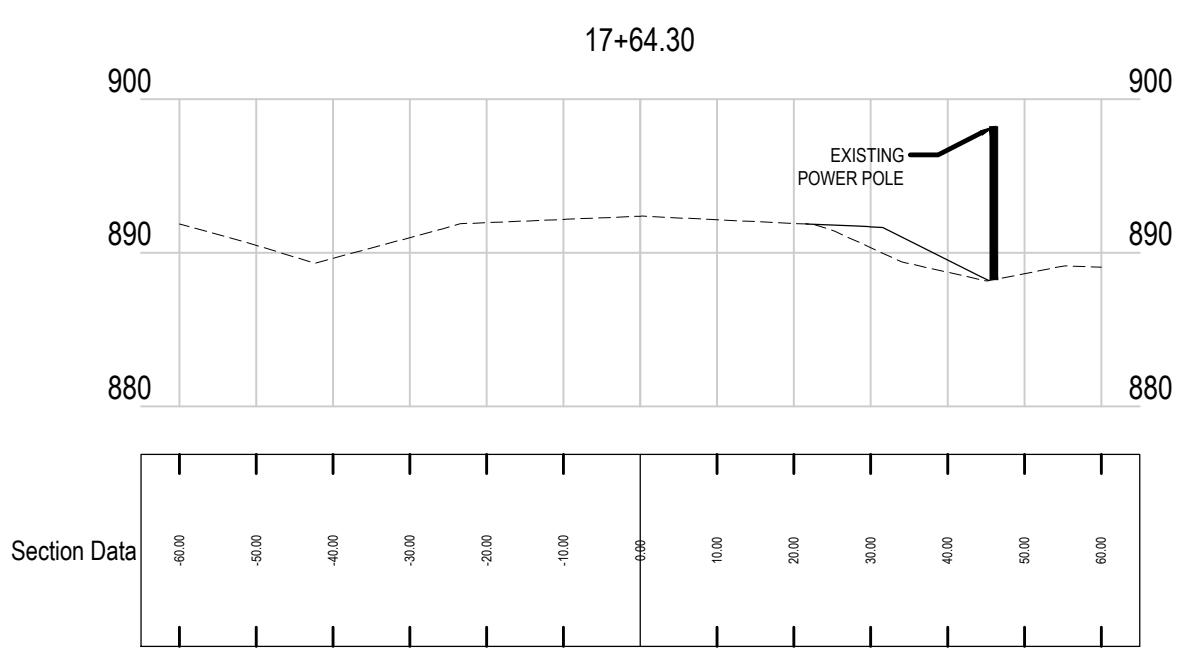
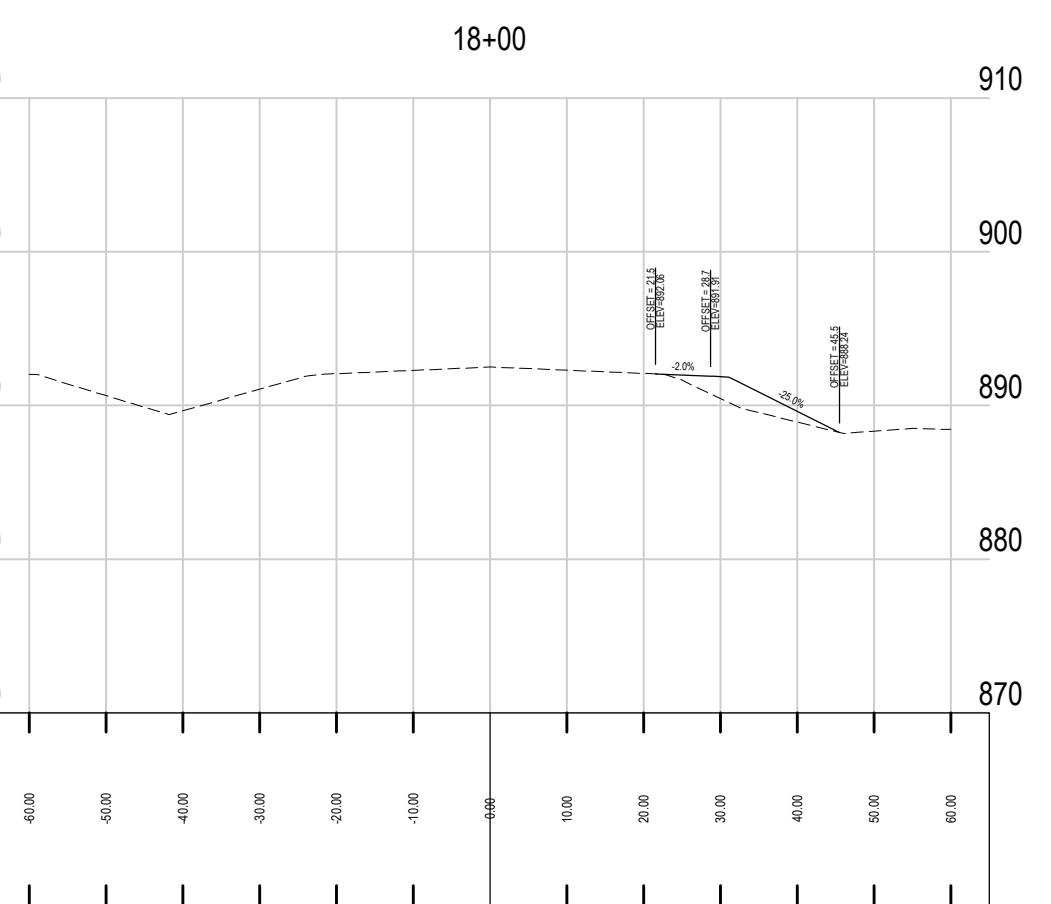
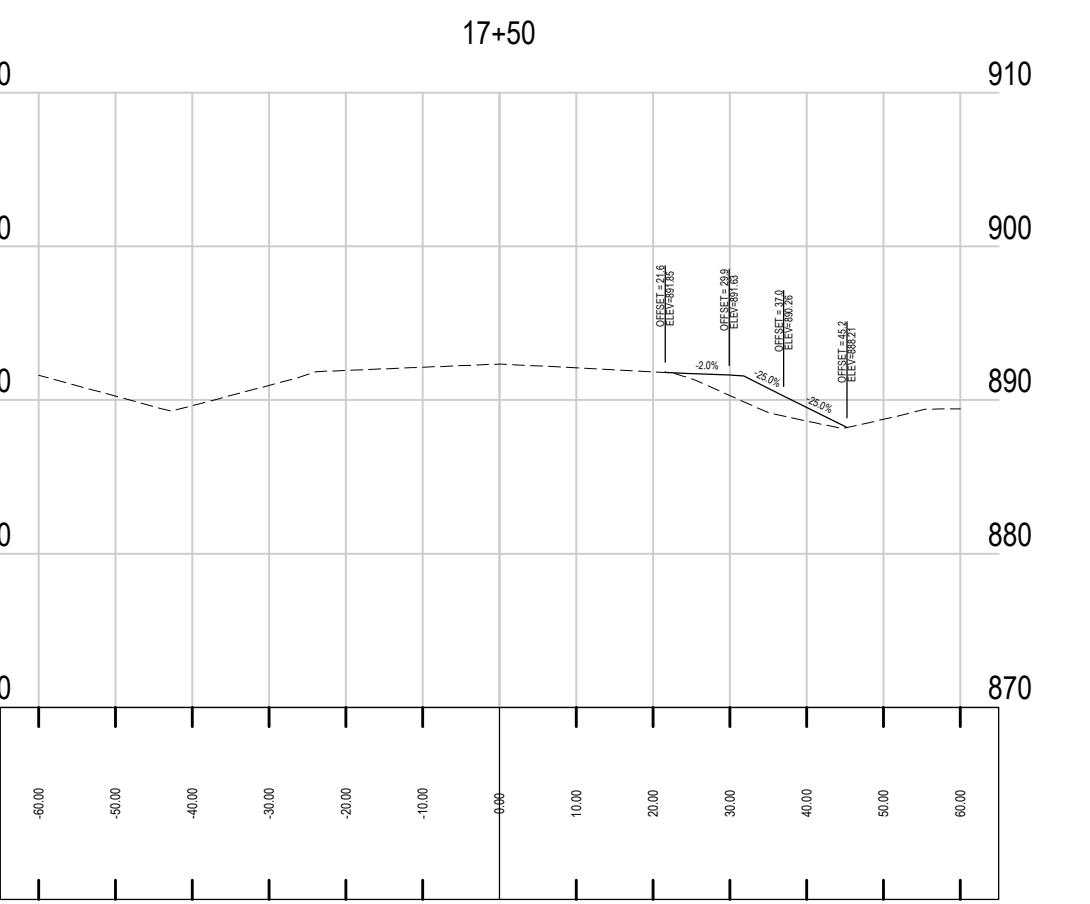
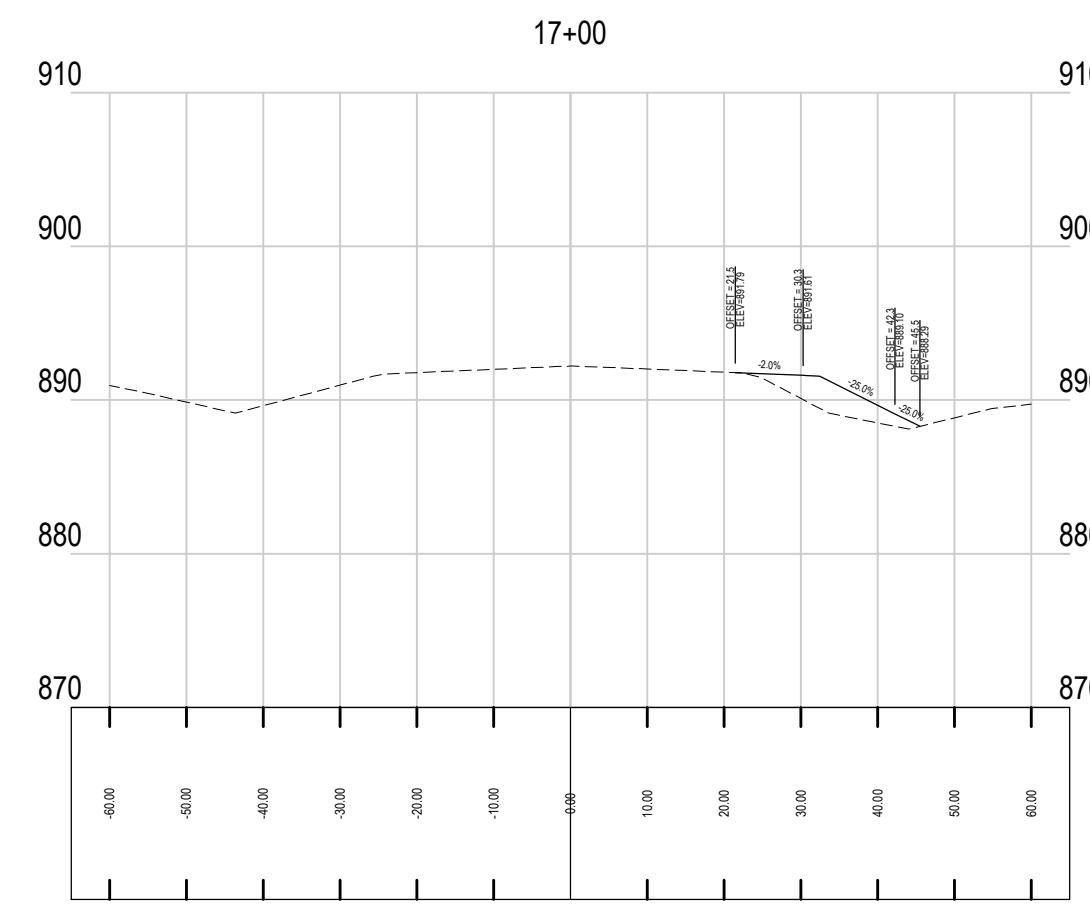
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PROJECT NO. LDP17002.003

TURN LANE  
CROSS SECTIONS  
C5.2



| DATE       | ISSUE / REVISION      | REVIEW |
|------------|-----------------------|--------|
| 04/23/2024 | ANOKA COUNTY COMMENTS | ETL    |
| 05/12/2024 | ANOKA COUNTY COMMENTS | ETL    |
| 06/21/2024 | ANOKA COUNTY APPROVAL | ETL    |



I hereby certify that this plan was prepared by me, or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the state of MINNESOTA.

Eric T. Luth, PE  
License No: 50475 Date: 04/23/2024

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## INTERSECTION IMPROVEMENT PLANS

06/21/2024

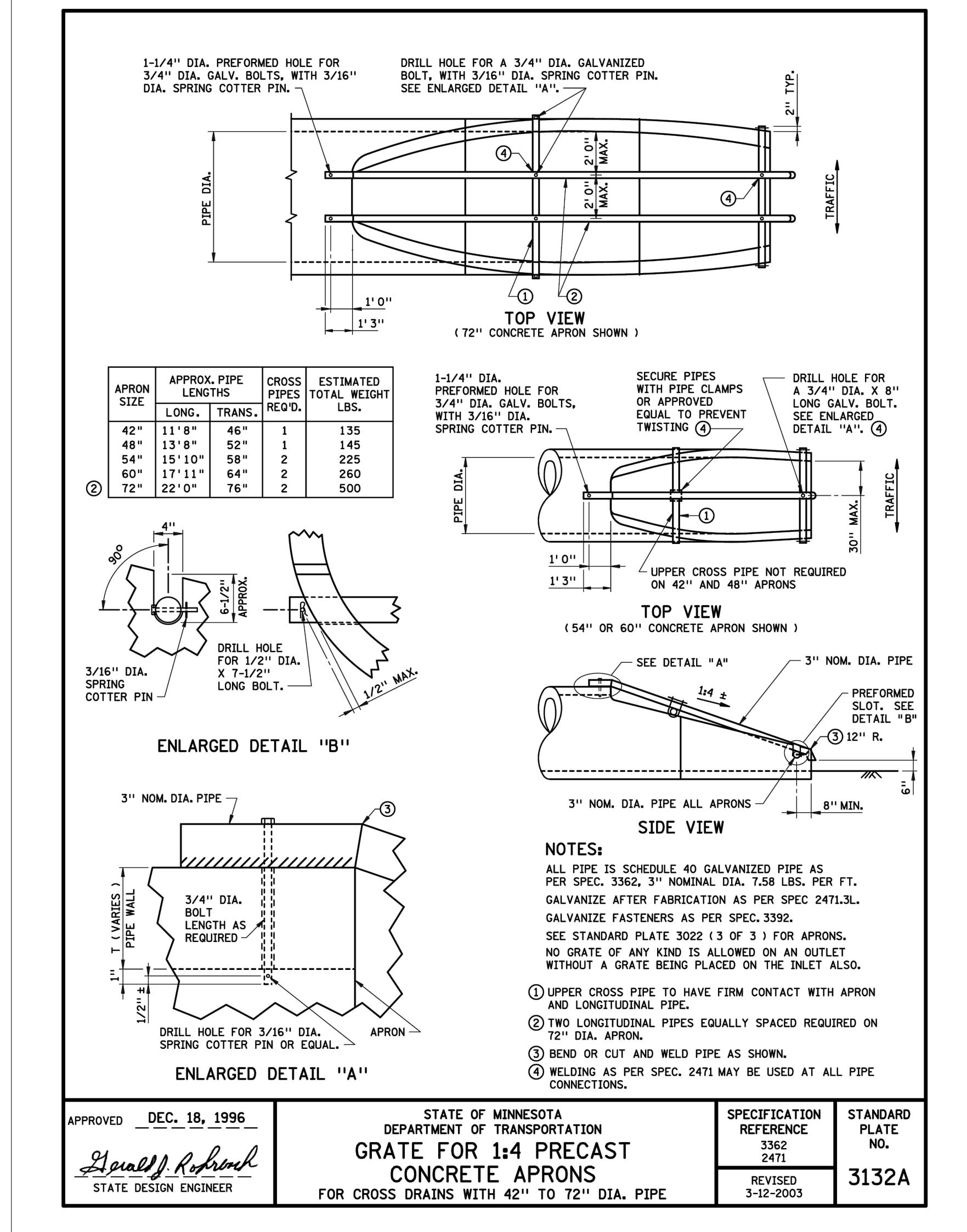
L A N D F O R M  
From Site to Finish

105 South Fifth Avenue Tel: 612-252-9070  
Suite 513 Fax: 612-252-9077  
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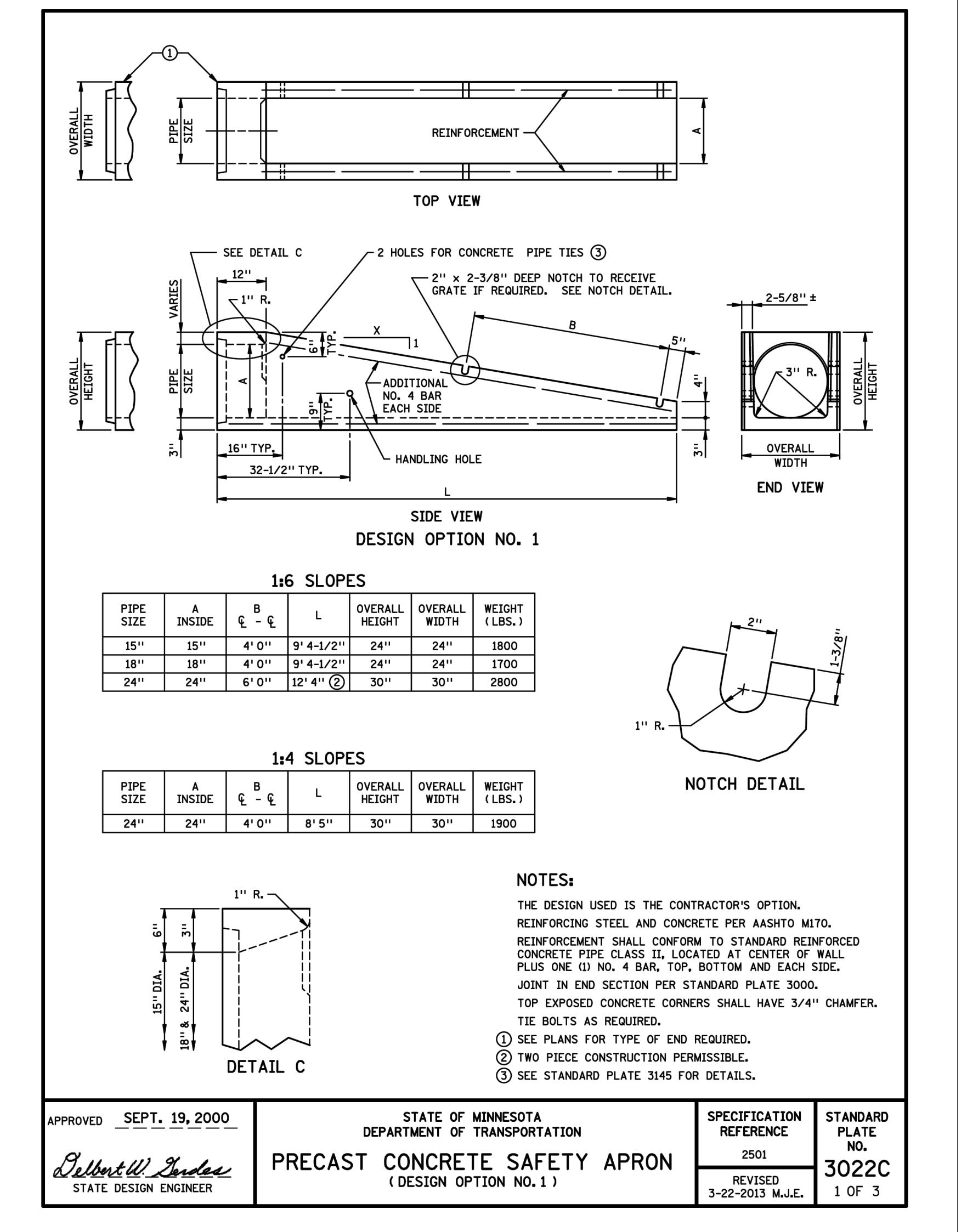
TURN LANE  
CROSS SECTIONS  
C5.3



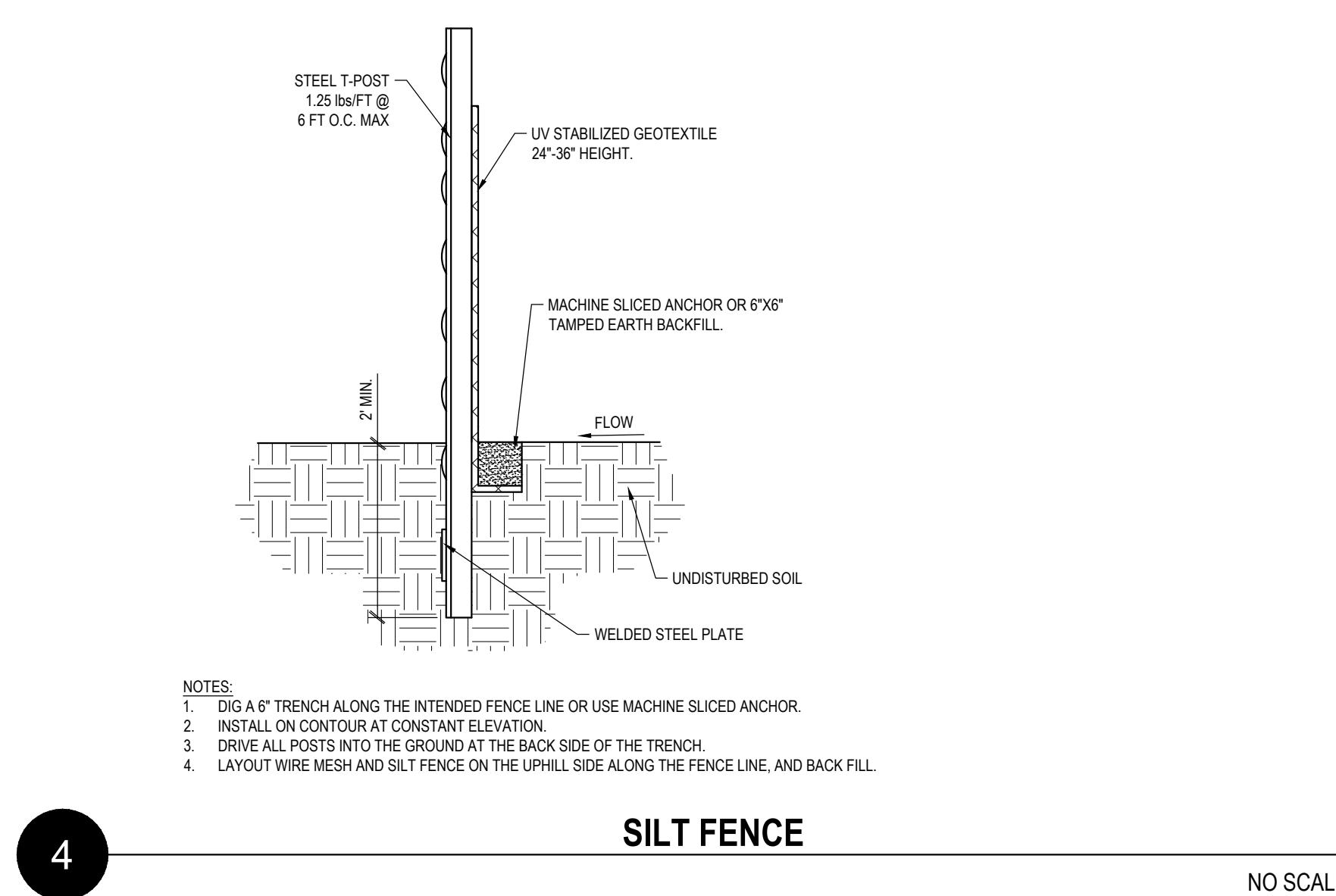
| DATE       | ISSUE / REVISION      | REVIEW |
|------------|-----------------------|--------|
| 04/23/2024 | ANOKA COUNTY COMMENTS | ETL    |
| 05/23/2024 | ANOKA COUNTY COMMENTS | ETL    |
| 06/21/2024 | ANOKA COUNTY APPROVAL | ETL    |



3 GRATE FOR 1:4 PRECAST CONCRETE APRONS  
NO SCALE



1 PRECAST CONCRETE SAFETY APRON  
NO SCALE



4 SILT FENCE  
NO SCALE

I hereby certify that this plan was prepared by me, or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the state of MINNESOTA.

Eric T. Luth, PE  
License No: 50475 Date: 04/23/2024

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INTERSECTION IMPROVEMENT PLANS  
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