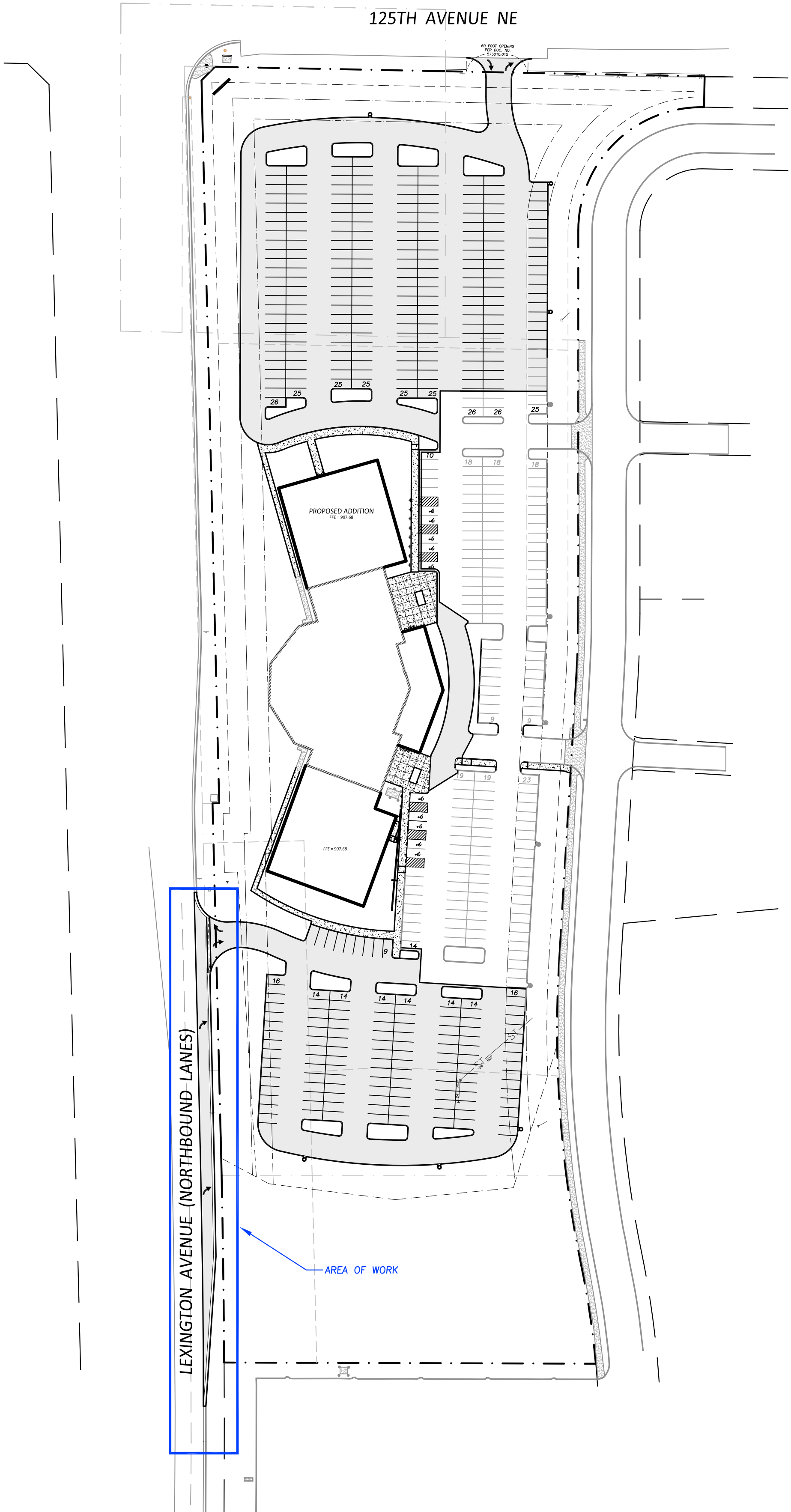


RENOVATION CHURCH - TURN LANE

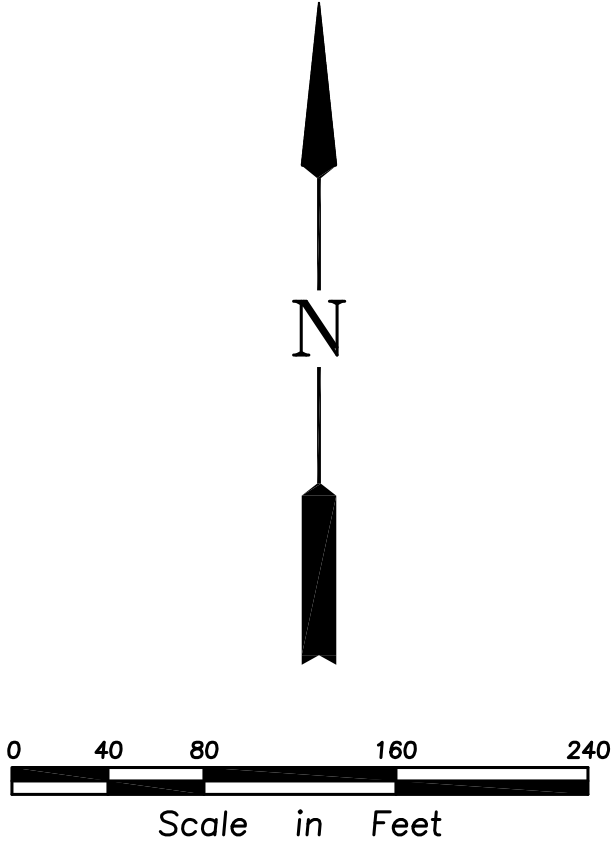
12390 FRAZIER STREET NE
BLAINE, MN 55449



SHEET INDEX	
TITLE	SHEET NO.
COVER SHEET	C0
SITE DEMOLITION PLAN	C1
SITE DIMENSION PLAN	C2
GRADING, DRAINAGE & EROSION CONTROL PLAN	C3
CROSS SECTIONS	C4
DETAILS	C5

ANOKA COUNTY ENGINEER

DATE



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.

Nicholas P. Adam Date 6-29-23
Name Nicholas P. Adam Reg. No. 43856

Issued	
BID PACKAGE #1	4-28-23
REVISE TURN LANE TAPER & ADDRESS COUNTY COMMENTS	6-6-23
ADDRESS COUNTY COMMENTS	6-29-23

COVER SHEET
RENOVATION CHURCH - TURN LANE
CITY OF BLAINE

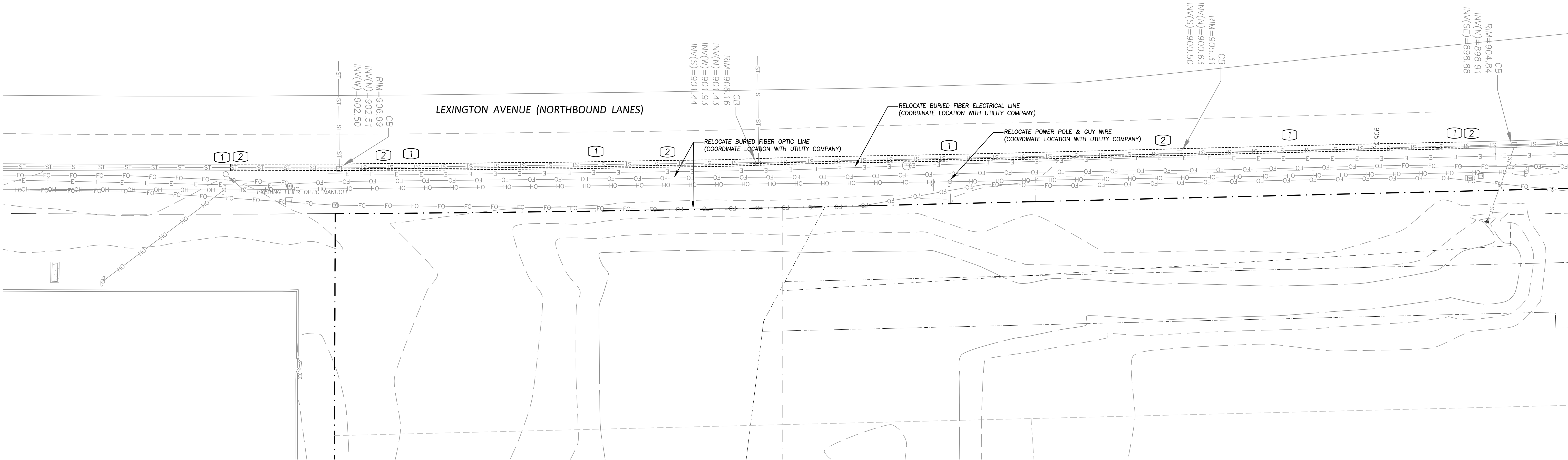
SHEET NUMBER
C0



REHDER
& ASSOCIATES, INC.
Civil Engineers & Land Surveyors

3440 Federal Drive, Suite 110
Blaine, MN 55449
Telephone 651-452-5051
www.rehder.com

PROJECT NO.: 221-2393.050 DRAWING FILE: 2393050.DWG



NOTE: The 2020 Edition of the Minnesota Department of Transportation "Standard Specifications for Construction" and the "Supplemental Specifications" dated September 2022 shall govern for all work with Anoka County Highway Right-of-Way.

Boundary, topographical & utility information was prepared by E.G. Rud & Sons, Inc. This information has not been verified as to its accuracy or completeness by Rehder & Associates, Inc.

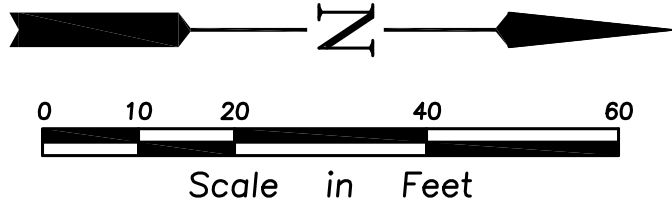
NOTE: ELEVATION DATUM IS BASED ON NAVD 88 DATA

GOPHER STATE ONE CALL

CALL 48 HOURS BEFORE YOU DIG
TWIN CITY AREA 651-454-0002
MN. TOLL FREE 1-800-252-1166

- LEGEND**
- · — BOUNDARY/ROW/BLOCK LINE
 - - - EASEMENT
 - - - BUILDING/PARKING SETBACK LINE
 - W — EXISTING WATERMAIN
 - S — EXISTING SANITARY SEWER
 - ST — EXISTING STORM SEWER
 - OH — EXISTING OVERHEAD UTILITY LINE
 - E — EXISTING BURIED ELECTRIC LINE
 - T — EXISTING BURIED TELEPHONE LINE
 - FO — EXISTING BURIED FIBER OPTIC LINE
 - 980— EXISTING CONTOUR
 - x 995.50 EXISTING ELEVATION

- DEMOLITION NOTES**
- ① - Remove curb & gutter.
 - ② - Full depth bituminous saw cut at edge of existing lane.



Issued	
BID PACKAGE #1	4-28-23
REVISE TURN LANE TAPER & ADDRESS COUNTY COMMENTS	6-6-23
ADDRESS COUNTY COMMENTS	6-29-23

SITE DEMOLITION PLAN
RENOVATION CHURCH – TURN LANE
CITY OF BLAINE

SHEET NUMBER
C1

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.

Nicholas P. Adam Date 6-29-23
Name Nicholas P. Adam Reg. No. 43856

GOPHER STATE ONE CALL

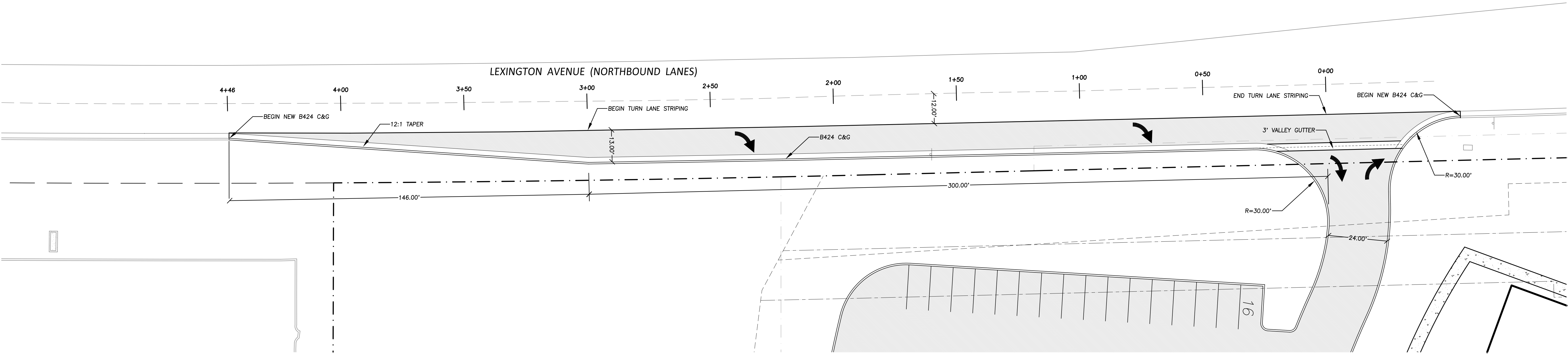
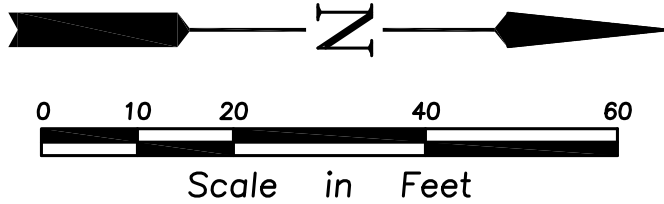
CALL 48 HOURS BEFORE YOU DIG
TWIN CITY AREA 651-454-0002
MN. TOLL FREE 1-800-252-1166

NOTE: The 2020 Edition of the Minnesota Department of Transportation "Standard Specifications for Construction" and the "Supplemental Specifications" dated September 2022 shall govern for all work with Anoka County Highway Right-of-Way.

Boundary, topographical & utility information was prepared by E.G. Rud & Sons, Inc. This information has not been verified as to its accuracy or completeness by Rehder & Associates, Inc.

LEGEND

- PROPOSED BITUMINOUS
- BOUNDARY/ROW/BLOCK LINE
- EASEMENT
- BUILDING/PARKING SETBACK LINE



SITE DEMOLITION PLAN
RENOVATION CHURCH – TURN LANE
CITY OF BLAINE

SHEET NUMBER
C2

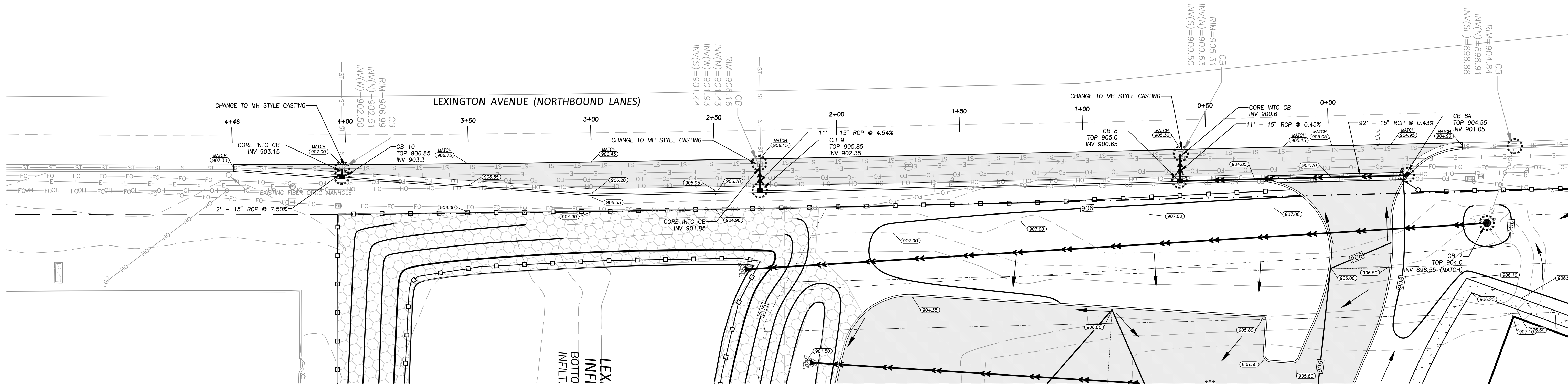
Issued	
BID PACKAGE #1	4-28-23
REVISE TURN LANE TAPER & ADDRESS COUNTY COMMENTS	6-6-23
ADDRESS COUNTY COMMENTS	6-29-23

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.
Name Nicholas P. Adam Date 6-29-23
Reg. No. 43856

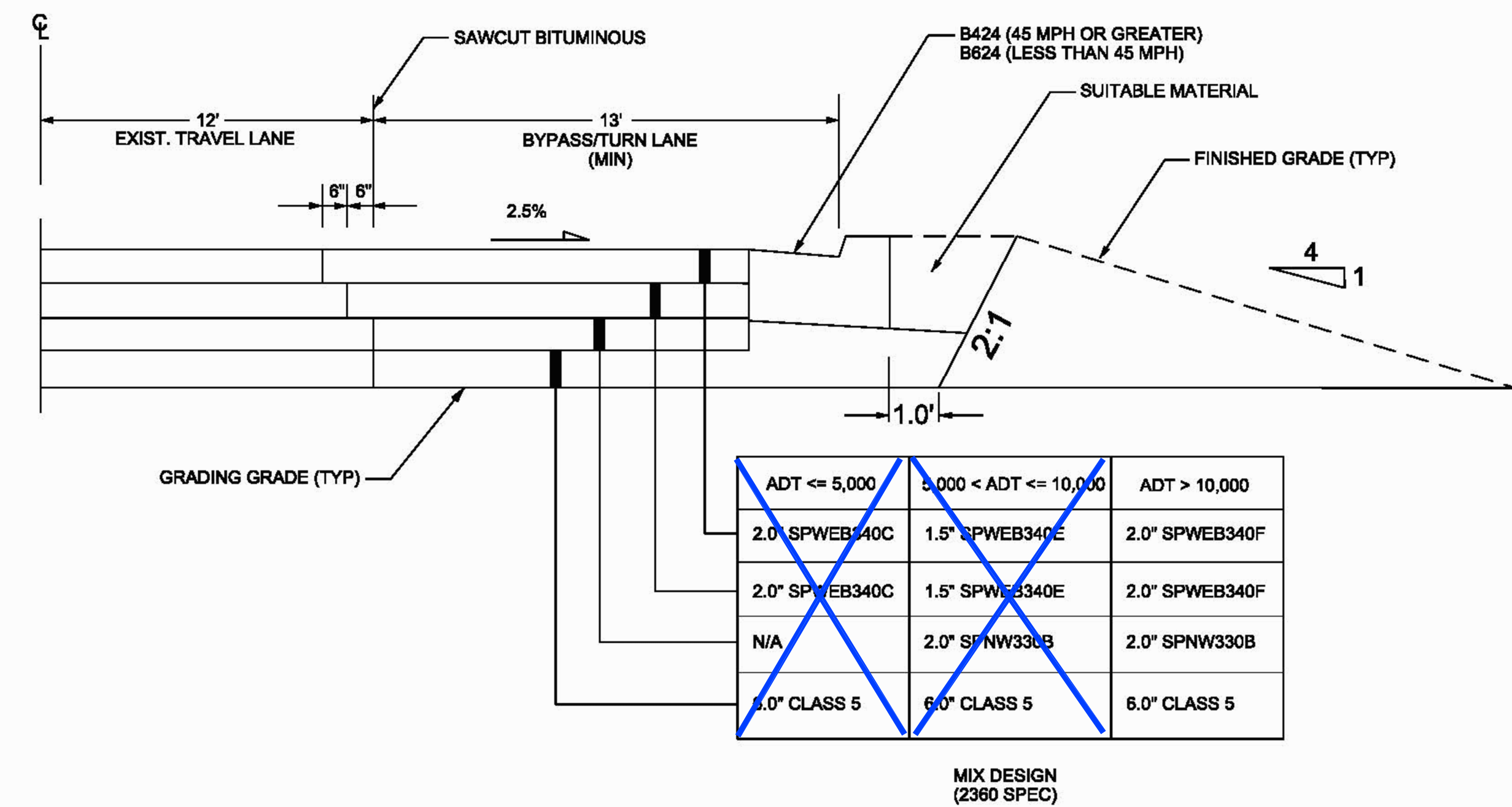
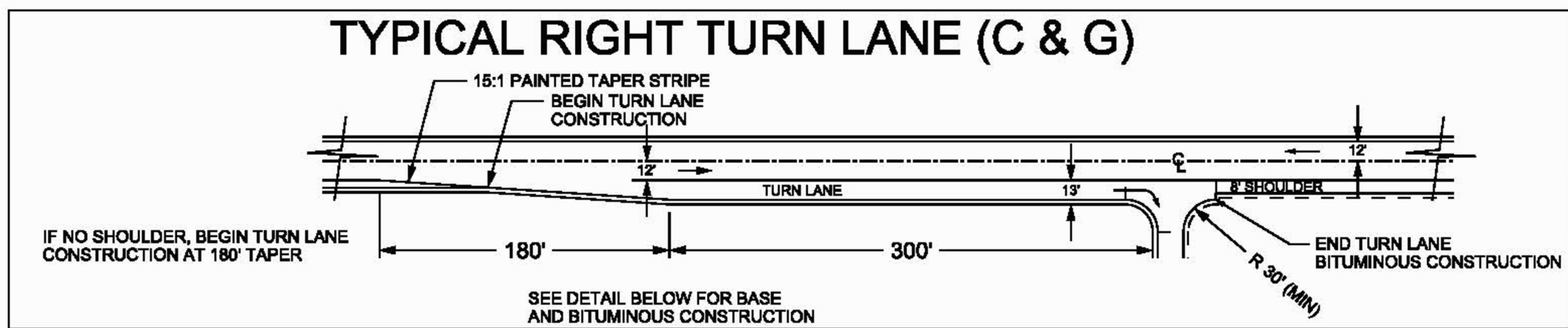
REHDER & ASSOCIATES, INC.
Civil Engineers & Land Surveyors

3440 Federal Drive, Suite 110
Blaine, MN 55425
Telephone 651-452-5051
www.rehder.com

PROJECT NO.: 221-2393050 DRAWING FILE: 2393050.DWG



ANOKA COUNTY HIGHWAY DEPARTMENT



ADT <= 5,000	5,000 < ADT <= 10,000	ADT > 10,000
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
N/A	2.0" SPWNW330B	2.0" SPWNW330B
6.0" CLASS 5	6.0" CLASS 5	6.0" CLASS 5

MIX DESIGN
(2360 SPEC)

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.

NOT TO SCALE

DETAIL A

January 2020



FILE NAME: \$DGN\$

Base and Bituminous Construction Detail For Curb and Gutter Section

GRADING NOTES

- All elevations shown are to final surfaces.
- Contractor is responsible for obtaining a National Pollutant Discharge Elimination System (NPDES) General Storm Water Permit for Construction Activity before construction begins.

EROSION CONTROL NOTES

- Contractor is responsible for all notifications and inspections required by General Storm Water Permit.
- All erosion control measures shown shall be installed prior to grading operations and maintained until all areas disturbed have been restored.
- Sweep paved public streets as necessary where construction sediment has been deposited.
- Each area disturbed by construction shall be restored per the specifications within 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.
- Temporary soil stockpiles must have silt fence around them and cannot be placed in surface waters, including storm water conveyances such as curb and gutter systems, or conduits and ditches.
- Excess concrete/water from concrete trucks shall be disposed of in portable washout concrete basin or disposed of in a contained area.
- Slopes steeper than 4:1 shall be covered in MNDOT Category 20 Erosion Control Blanket.

CATCH BASIN/MANHOLE SCHEDULE

STRUCTURE NO.	BARREL SIZE	NEENAH CASTING NO.
CB 7	72"	R-2573-1C
CB 8	48"	SEE MNDOT PLATE 4154B
CB 8A	27"	SEE MNDOT PLATE 4154B
CB 9	27"	SEE MNDOT PLATE 4154B
CB 10	27"	SEE MNDOT PLATE 4154B

GOPHER STATE ONE CALL

CALL 48 HOURS BEFORE YOU DIG
TWIN CITY AREA 651-454-0002
MN. TOLL FREE 1-800-252-1166

NOTE: The 2020 Edition of the Minnesota Department of Transportation "Standard Specifications for Construction" and the "Supplemental Specifications" dated September 2022 shall govern for all work with Anoka County Highway Right-of-Way.

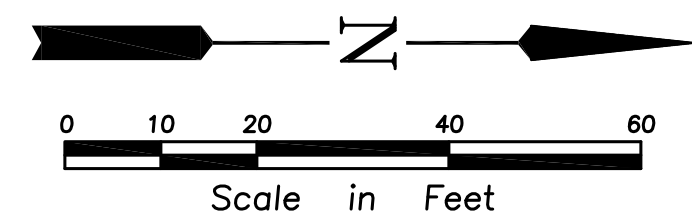
Contractor is responsible for hiring a surveyor to prepare a grading and utility as-built of the site per the City and Rice Creek Watershed requirements.

Boundary, topographical & utility information was prepared by E.G. Rud & Sons, Inc. This information has not been verified as to its accuracy or completeness by Rehder & Associates, Inc.

NOTE: ELEVATION DATUM IS BASED ON NAVD 88 DATA

LEGEND

- PROPOSED MANHOLE/CATCH BASIN
- PROPOSED FLARED END
- PROPOSED STORM SEWER
- PROPOSED CONCRETE
- PROPOSED BITUMINOUS
- PROPOSED CONTOUR
- PROPOSED ELEVATION
- SILT FENCE
- INLET PROTECTION DEVICE
- PROPOSED EC BLANKET CATEGORY 20 (MNDOT 3885)
- BOUNDARY/ROW/BLOCK LINE
- EASEMENT
- LOT LINE
- BUILDING/PARKING SETBACK LINE
- SOIL BORING
- DRAINAGE ARROW
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING OVERHEAD UTILITY LINE
- EXISTING BURIED ELECTRIC LINE
- EXISTING BURIED TELEPHONE LINE
- EXISTING BURIED FIBER OPTIC LINE
- EXISTING CONTOUR
- EXISTING ELEVATION



3440 Federal Drive, Suite 110
Eden Prairie, MN 55349
Telephone 651-452-5051
www.rehder.com

REHDER & ASSOCIATES, INC.
Civil Engineers & Land Surveyors

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.
Nicholas P. Adam
Name: *Nicholas P. Adam* Date: *6-29-23* Reg. No.: *438556*

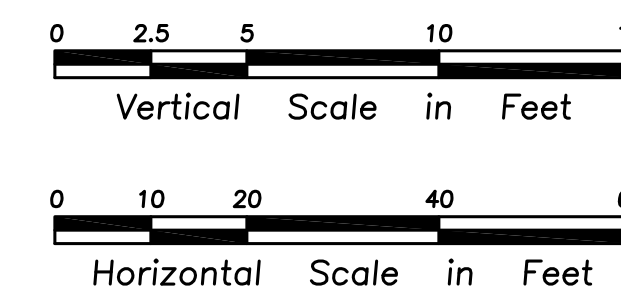
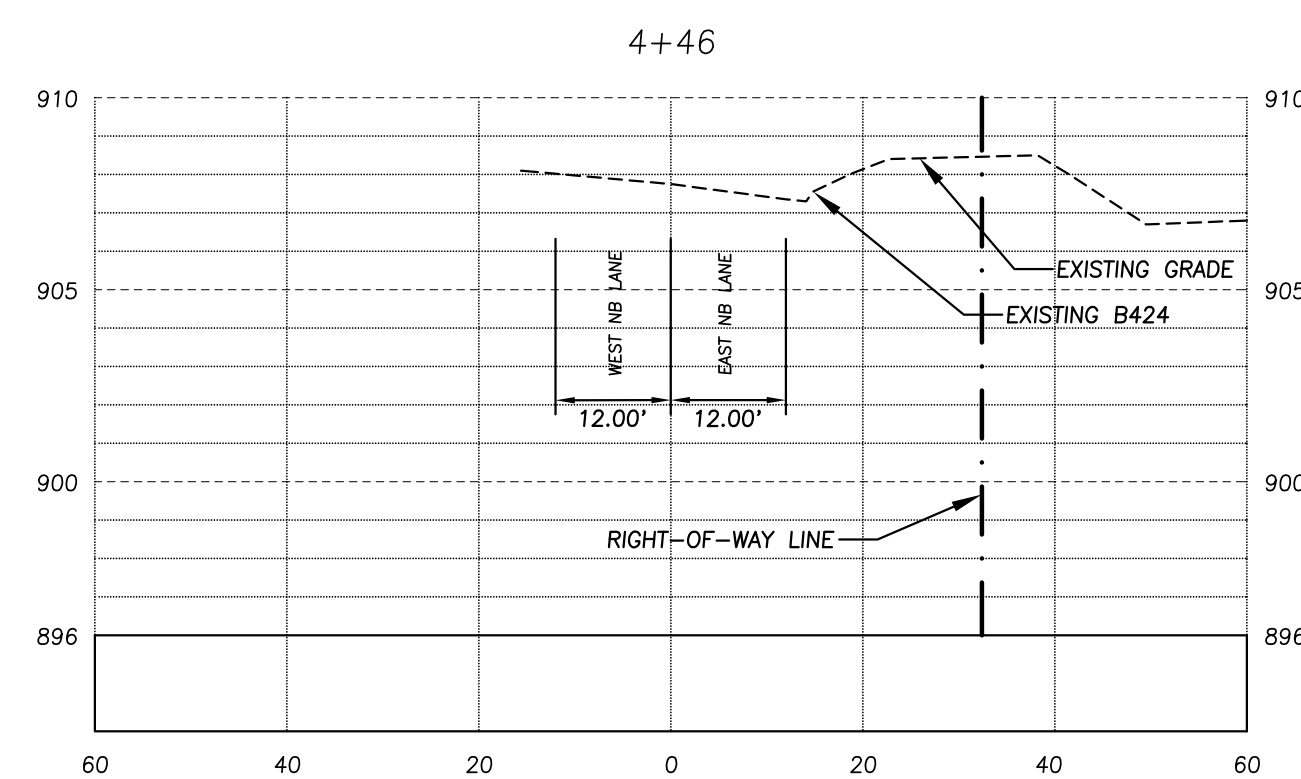
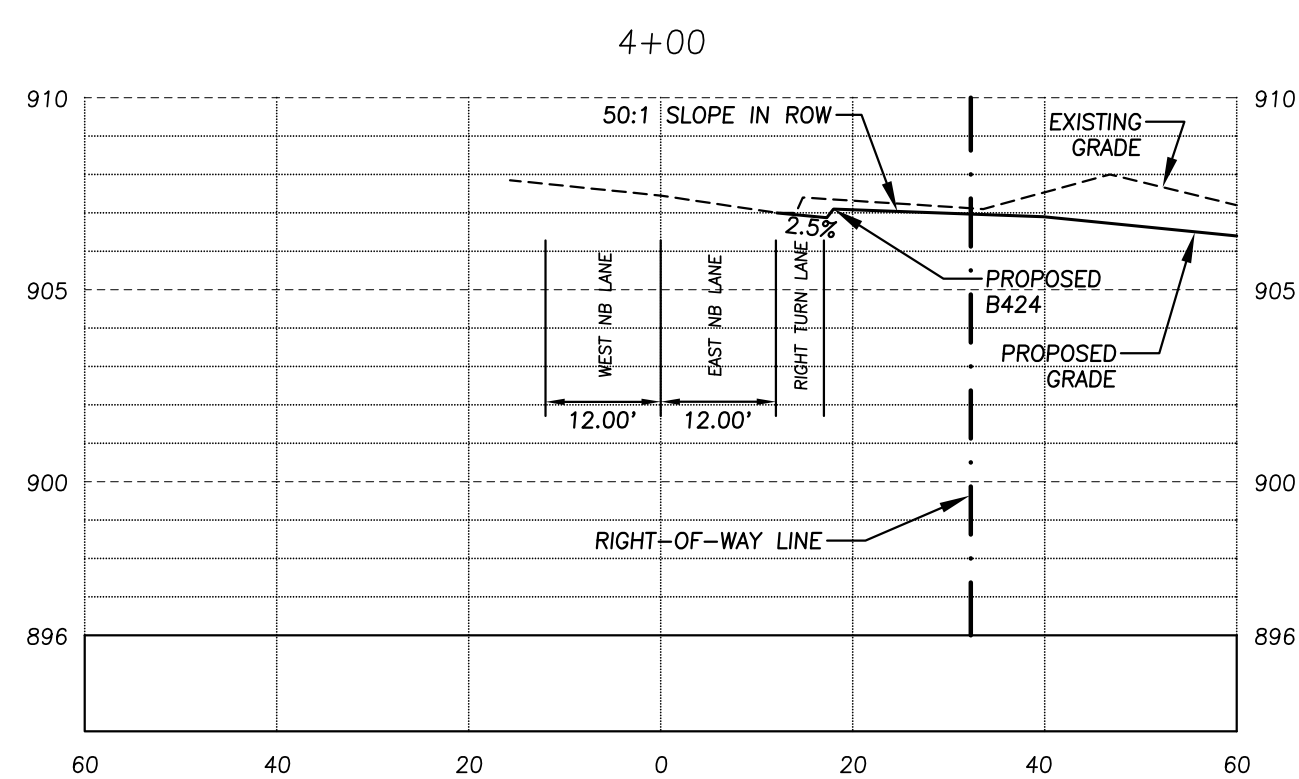
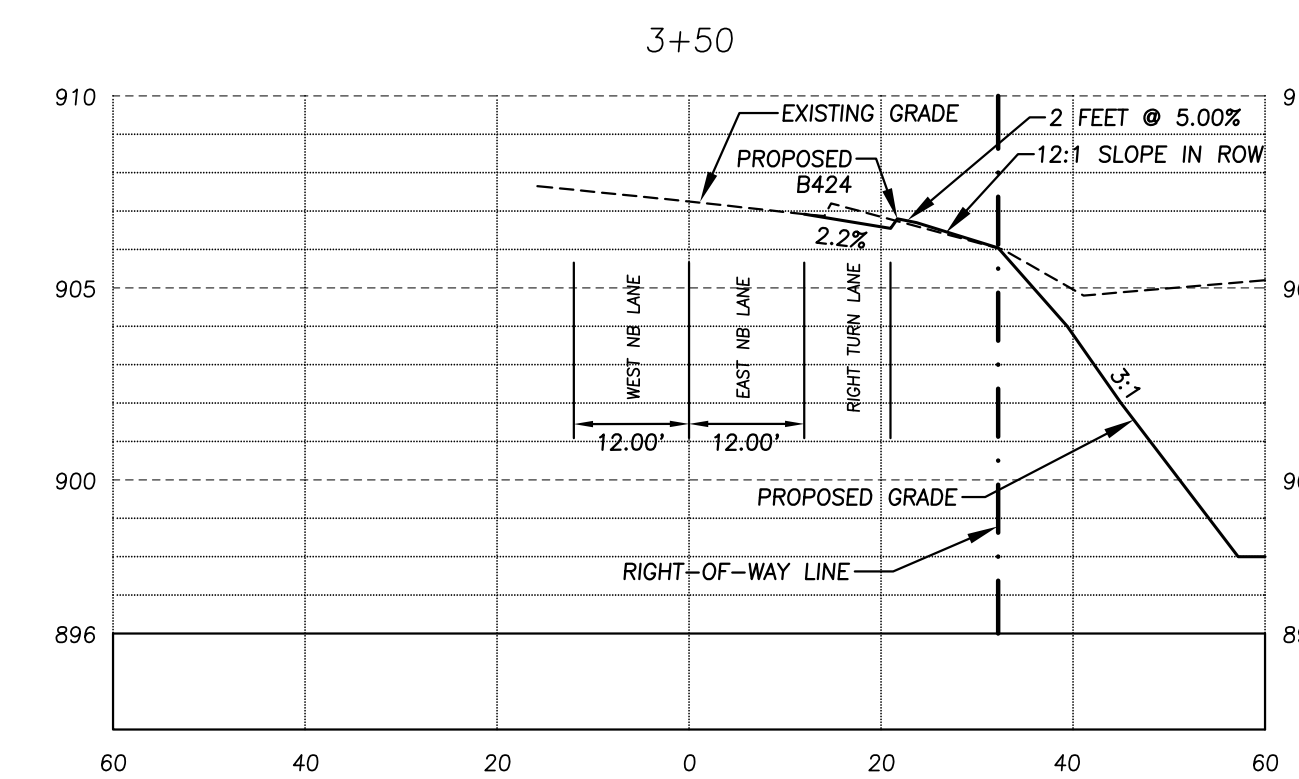
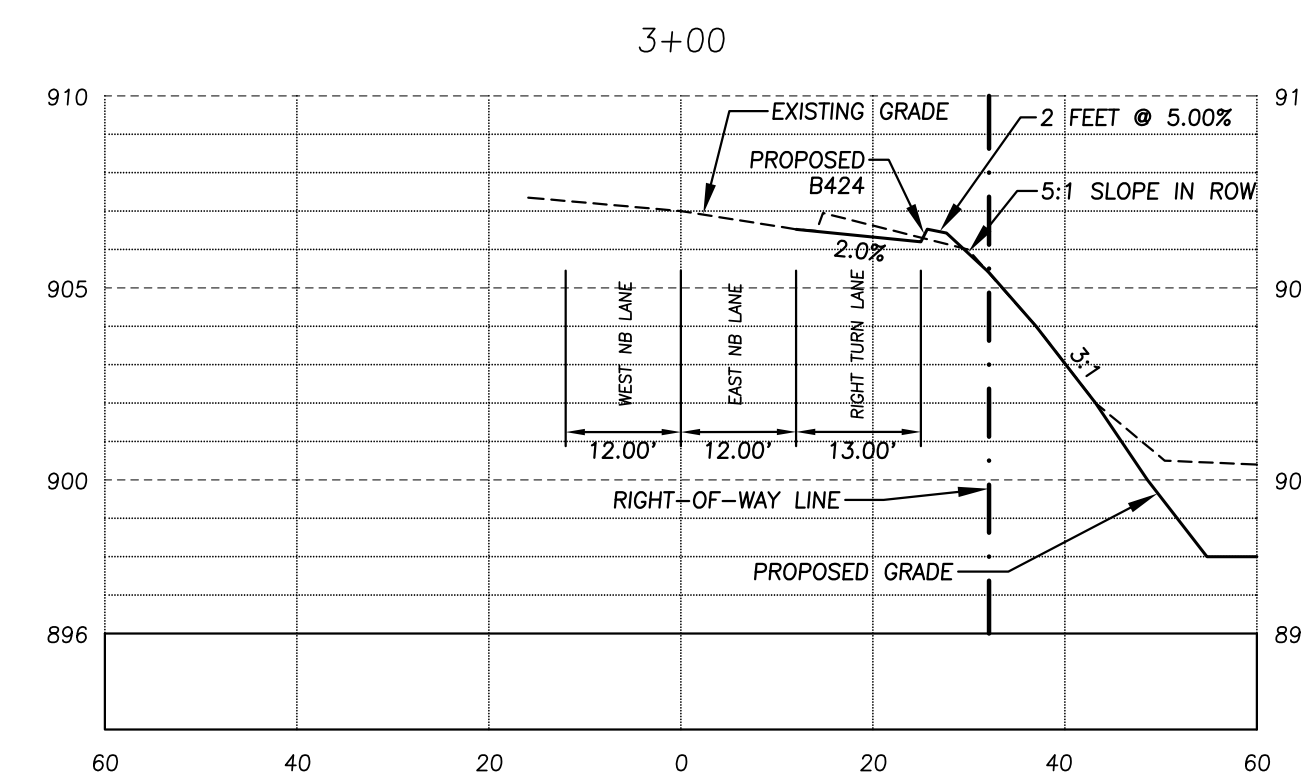
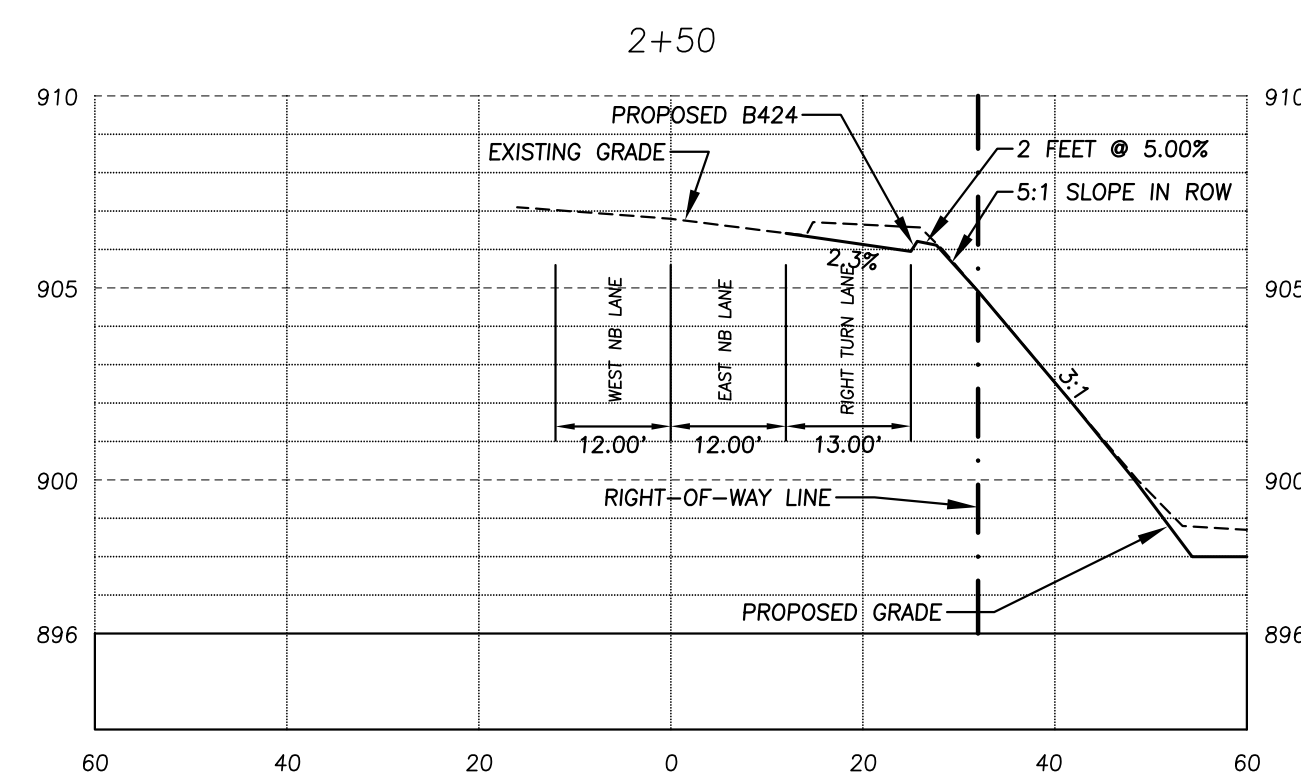
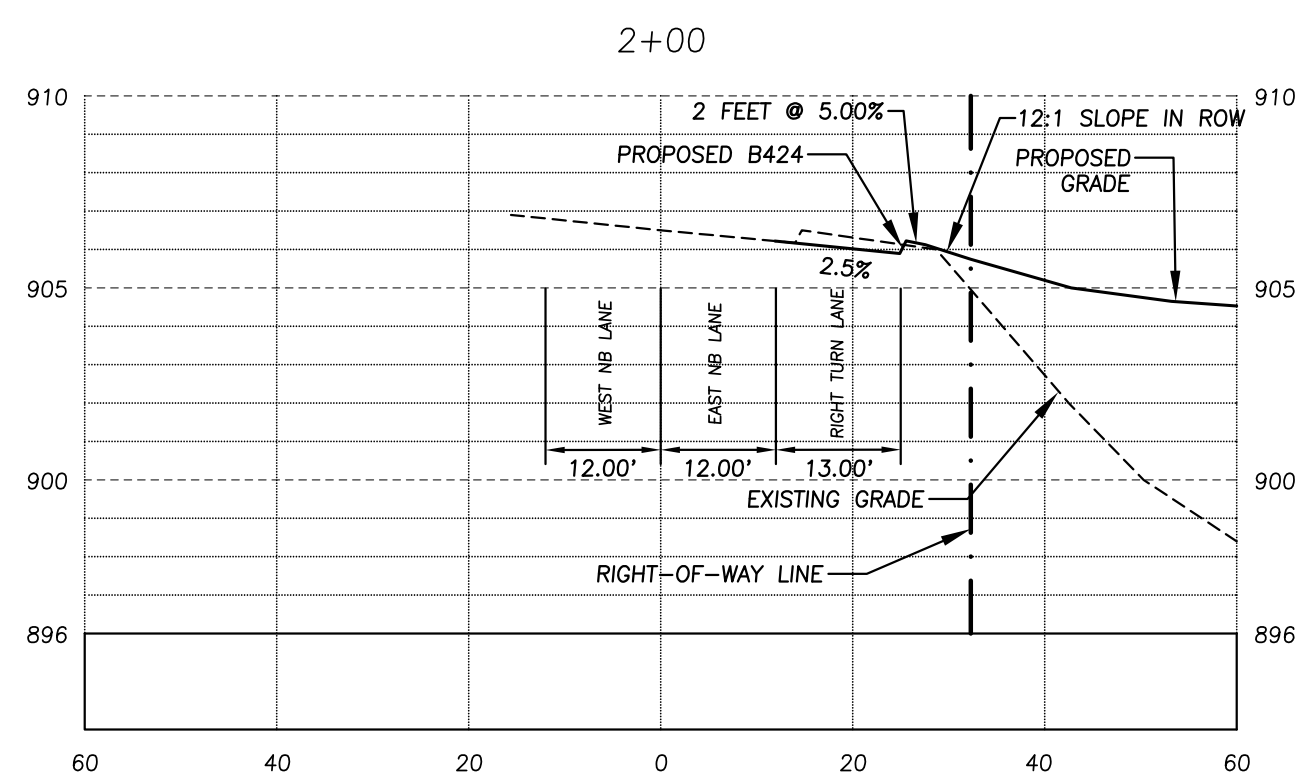
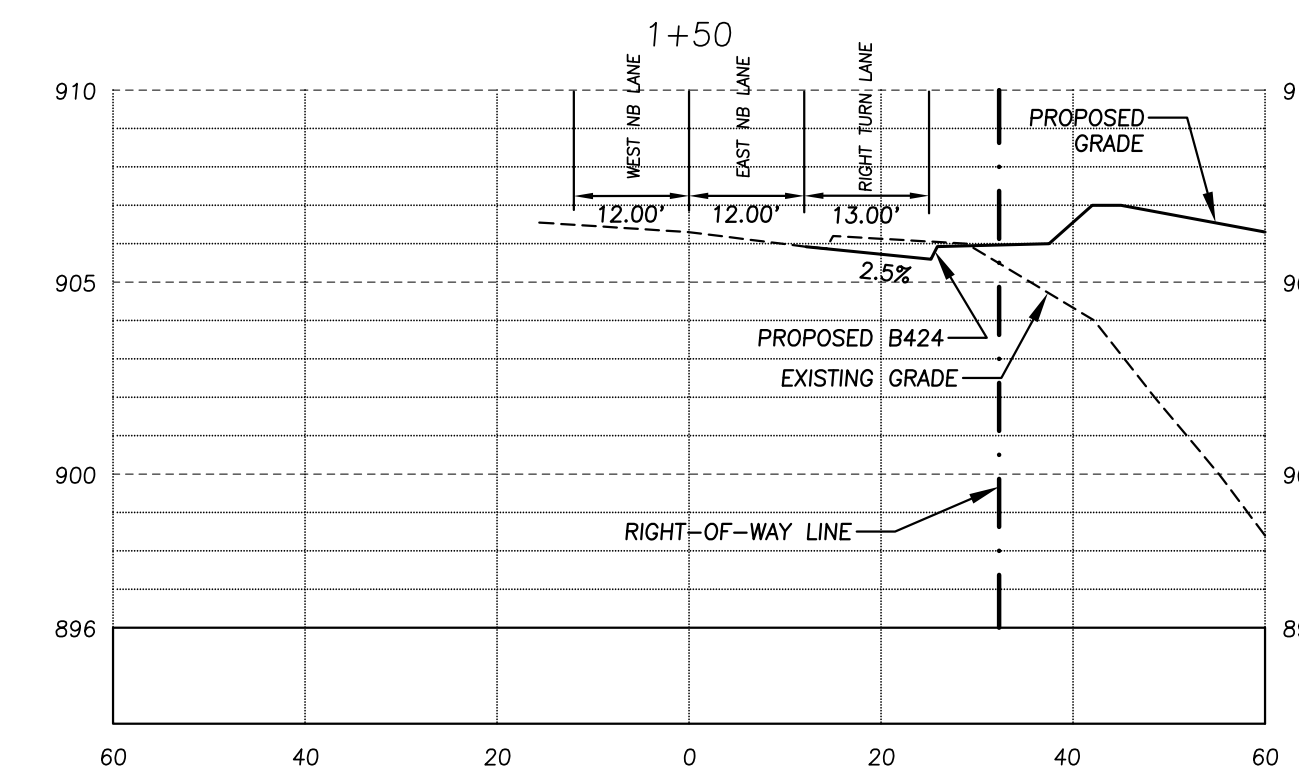
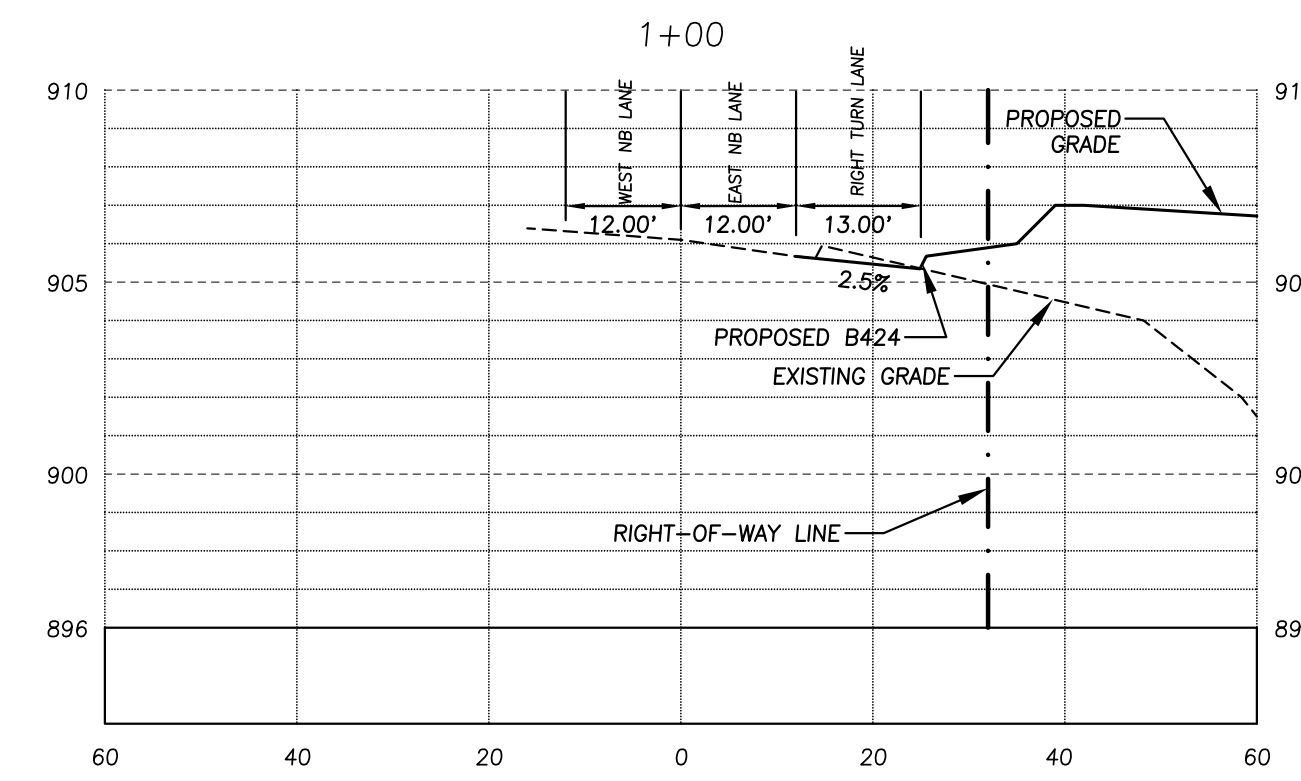
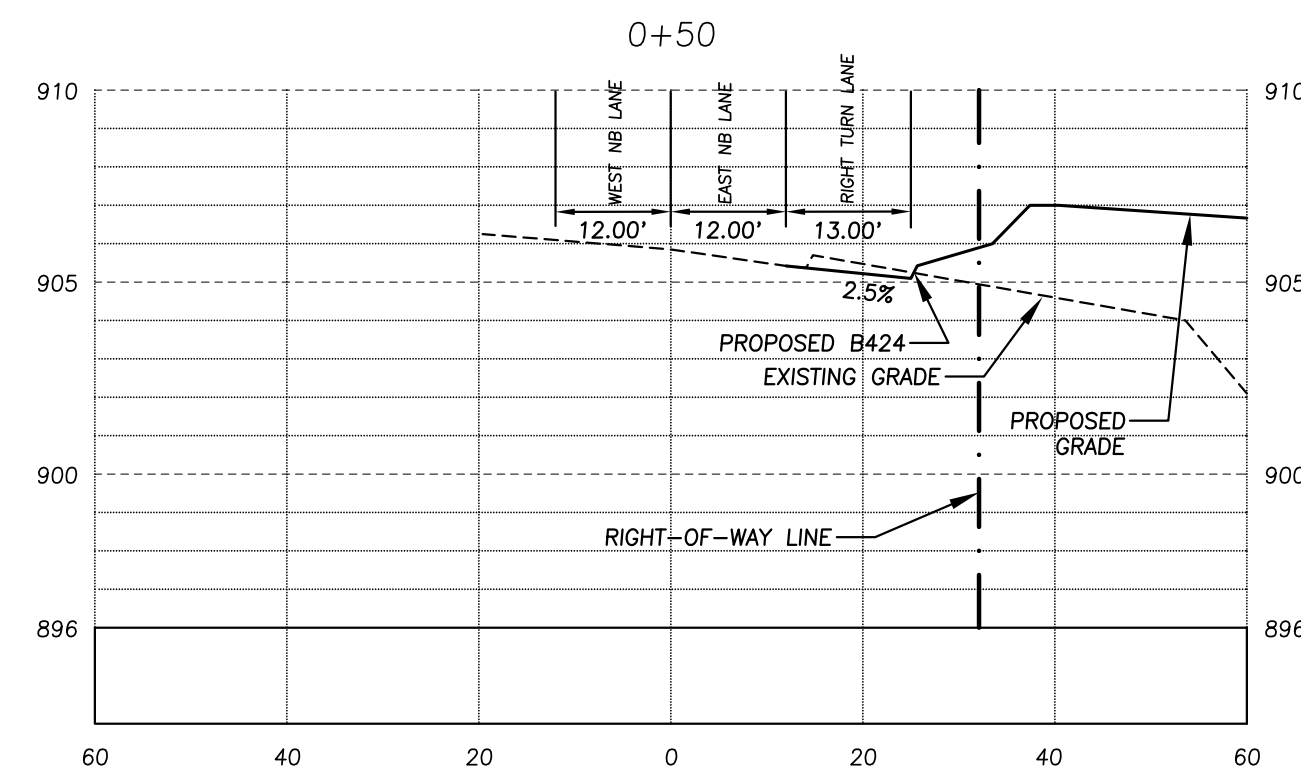
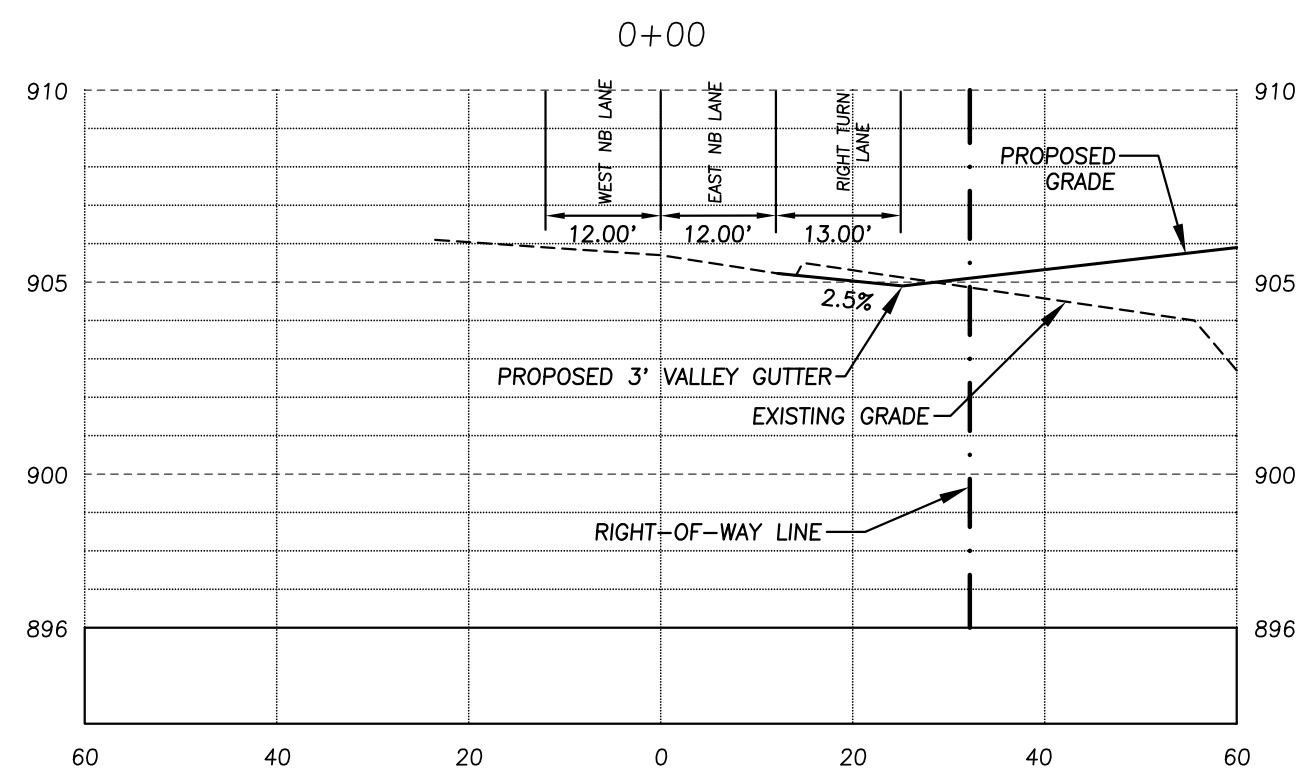
Issued	BID PACKAGE #1
4-28-23	REVISE TURN LANE TAPER & ADDRESS COUNTY COMMENTS
6-6-23	ADDRESS COUNTY COMMENTS
6-29-23	

GRADING, DRAINAGE, EROSION
CONTROL & UTILITY PLAN
RENOVATION CHURCH - TURN LANE
CITY OF BLAINE

SHEET NUMBER

C3

PROJECT NO.: 221-2393050 DRAWING FILE: 2393050.DWG



REHDER & ASSOCIATES, INC.
Civil Engineers & Land Surveyors

3440 Federal Drive, Suite 110
St. Paul, MN 55112
Telephone 651-452-5051
www.rehder.com

PROJECT NO.: 221-2393050 DRAWING FILE: 2393050.DWG

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.

Michael P. Adams
Name: Nicholas P. Adam
Date: 6-29-23
Reg. No.: 43856

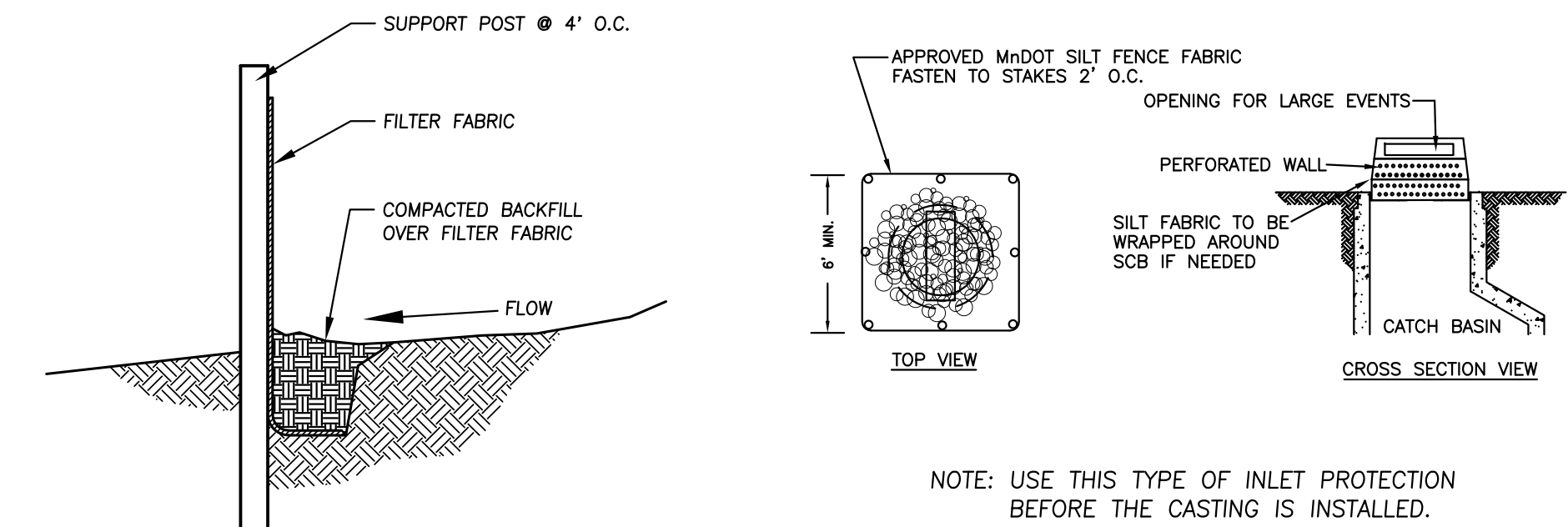
Issued

BID PACKAGE #1
REVISE TURN LANE TAPE & ADDRESS COUNTY COMMENTS
ADDRESS COUNTY COMMENTS

4-28-23
6-6-23
6-29-23

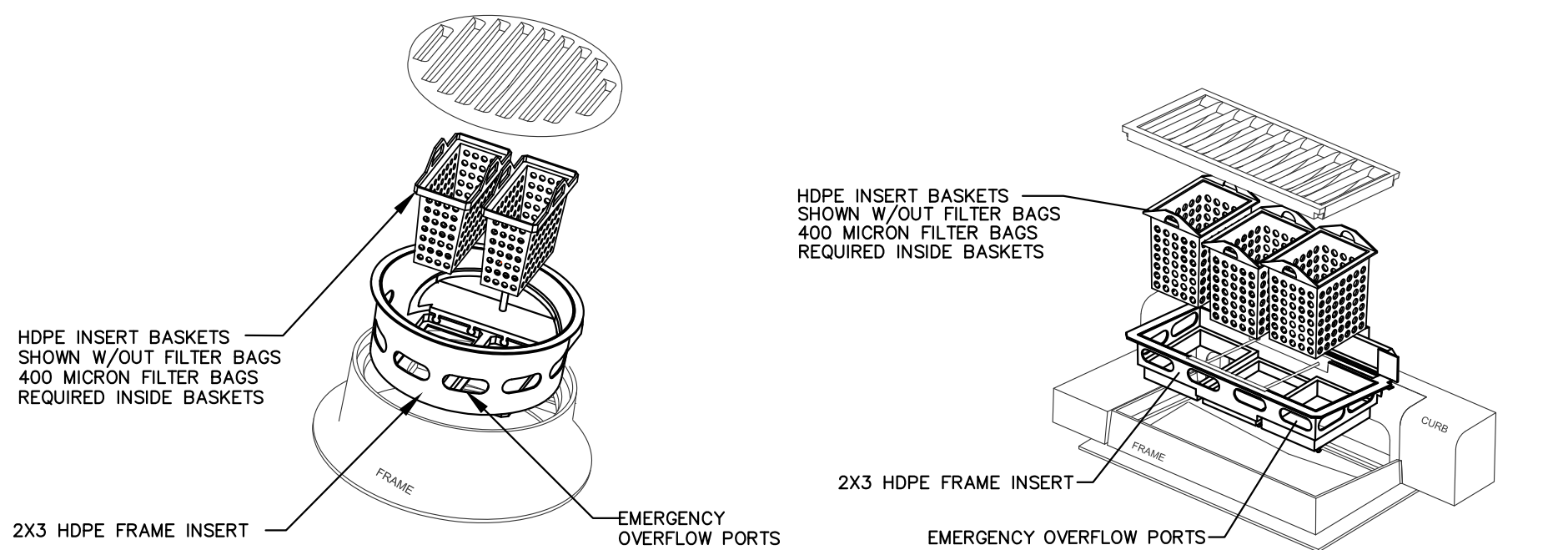
CROSS SECTIONS
RENOVATION CHURCH - TURN LANE
CITY OF BLAINE

SHEET NUMBER
C4



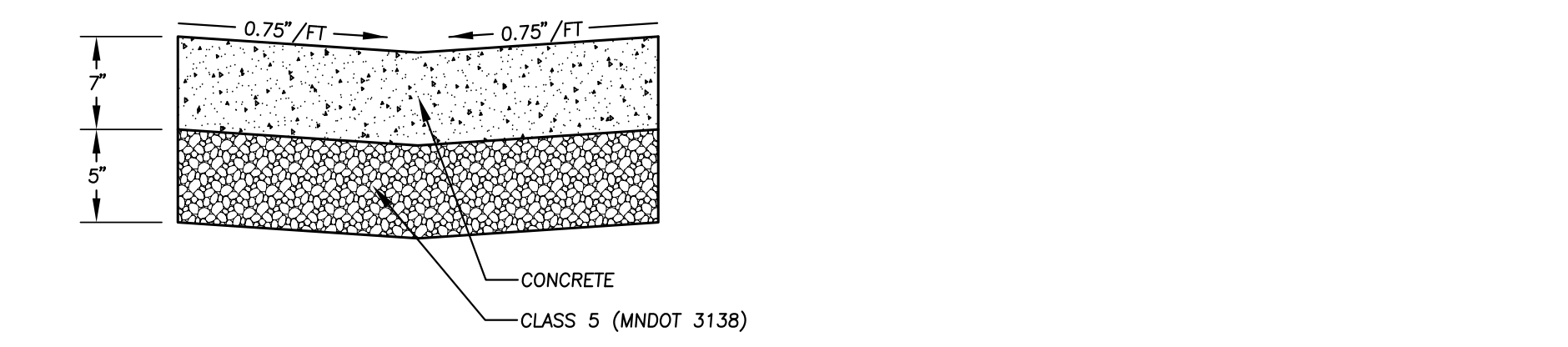
1
C5

SILT FENCE
NO SCALE



2
C5

INLET PROTECTION
(INFRASAFE OR EQUAL)
NO SCALE



3
C5

VALLEY GUTTER
NO SCALE

