

# CITY OF COLUMBUS

## CONSTRUCTION PLANS FOR

# FURMAN STREET NE IMPROVEMENTS

BITUMINOUS PAVING, AGGREGATE SHOULDER & AGGREGATE BASE GRADING

JANUARY, 2021

**RESOURCE LIST**

**CITY OF COLUMBUS**

City Hall  
16319 Kettle River Blvd NE  
Forest Lake, Minnesota  
55025 (651) 464-3120

City Administrator:  
Elizabeth Mursko

Mayor: Jesse Preiner

City Council Members:  
Robert Busch  
Shelly Logren  
Sue Wagamon  
Janet Hegland

City Engineer:  
Kevin F. Bittner P.E.  
Bolton & Menk, Inc.  
7533 Sunwood Drive NW  
Suite 206  
Ramsey, Minnesota  
55303 (763) 433-2851

Public Works Superintendent:  
Jim Windingstad  
651-419-9015

**UTILITIES**

**GAS**

CenterPoint Energy  
505 Nicollet Mall  
P.O. Box 59038  
Minneapolis, Minnesota  
55459-0038  
(800) 247-2377

XcelEnergy  
Daniel Strandquist  
1700 E. County Rd. E.  
White Bear Lake, Minnesota  
55110  
P (651) 779-3179  
C (612) 779-3132

**Internet/Telephone**

Lumen  
325 Cedar St. UNIT 324  
St. Paul, MN  
55101  
(763)-691-5304

**MidCo**

Luke Bless  
210 N McKinley Street  
Cambridge, Minnesota  
55008  
(800) 888-1300

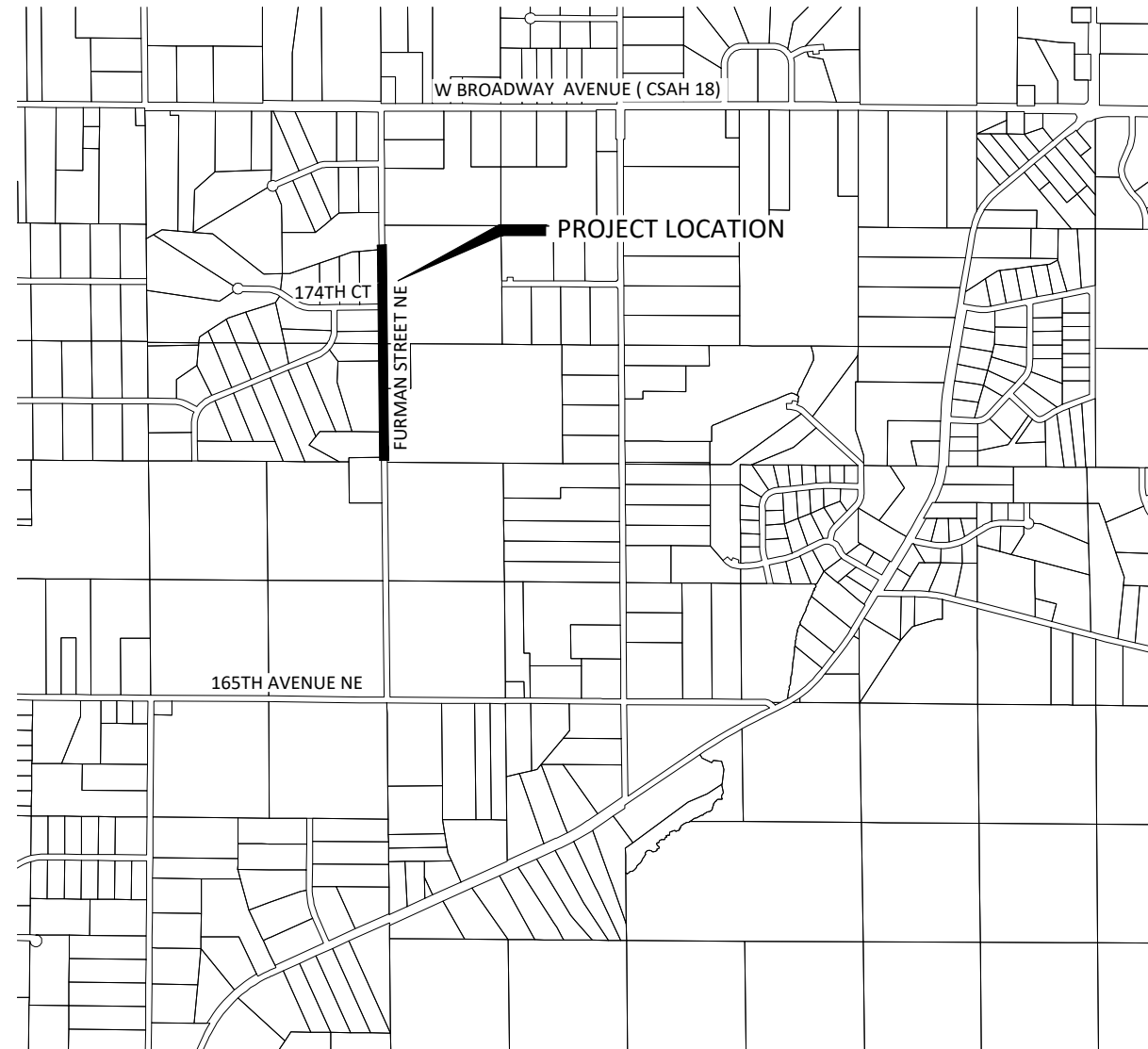
**ELECTRIC**

Connexus Energy  
14501 Ramsey Boulevard  
Ramsey, Minnesota  
55303  
(763) 323-2600

XcelEnergy  
1700 E. County Rd. E.  
White Bear Lake,  
Minnesota 55110  
P (651) 779-3105  
C (612) 209-3501

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL, 1-800-252-1166 OR 651-454-0002.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."



MAP OF THE  
CITY OF COLUMBUS  
ANOKA COUNTY, MN

**SHEET NUMBER**      **SHEET TITLE**

SHEET NUMBER	SHEET TITLE
GENERAL	
1	TITLE SHEET
CIVIL	
2	TYPICAL SECTIONS, DETAILS
3	FURMAN STREET PLAN

THIS PLAN SET CONTAINS 3 SHEETS.

Approved:

City of Columbus Engineer

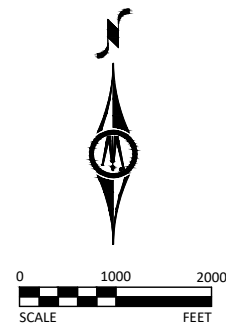
Design Engineer: I hereby certify that this plan was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Date January 15, 2021 License Number 21814

REVIEWED & APPROVED \_\_\_\_\_ DATE: \_\_\_\_\_  
Public Works Director:

+ BM=903.007 MnDot MONUMENT 0283 B N 172175.068 E 561631.238	PROJECT DATUM: ANOKA COUNTY CORDS HORIZONTAL: NAD83 VERTICAL: NAVD88	RECORD DRAWING INFORMATION
		OBSERVER: CONTRACTOR: DATE:

COLUMBUS, MINNESOTA		SHEET 1 OF 3
2021 FURMAN STREET NE IMPROVEMENTS		
TITLE SHEET		



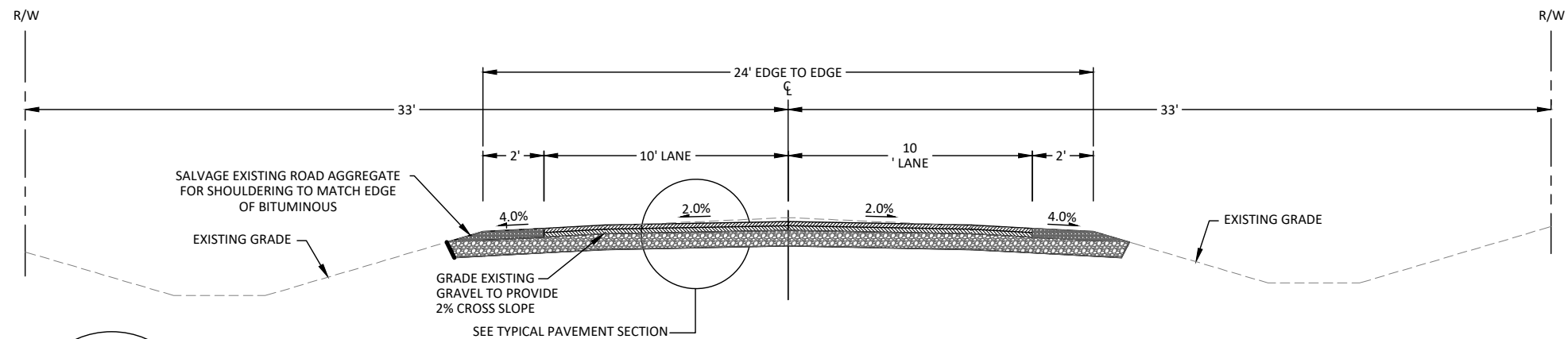
**MAP LEGEND**

— PROJECT LIMITS

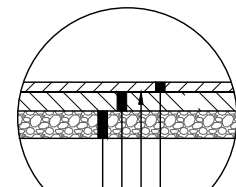


7533 SUNWOOD DR NW, SUITE 206  
RAMSEY, MINNESOTA 55303  
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DESIGNED	DRAWN	CHECKED	CLIENT PROJ. NO.
KFB	KGA	KFB	R16.120887

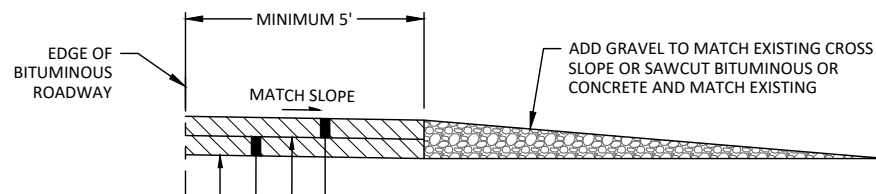


**TYPICAL STREET SECTION - FURMAN STREET NE**  
NOT TO SCALE



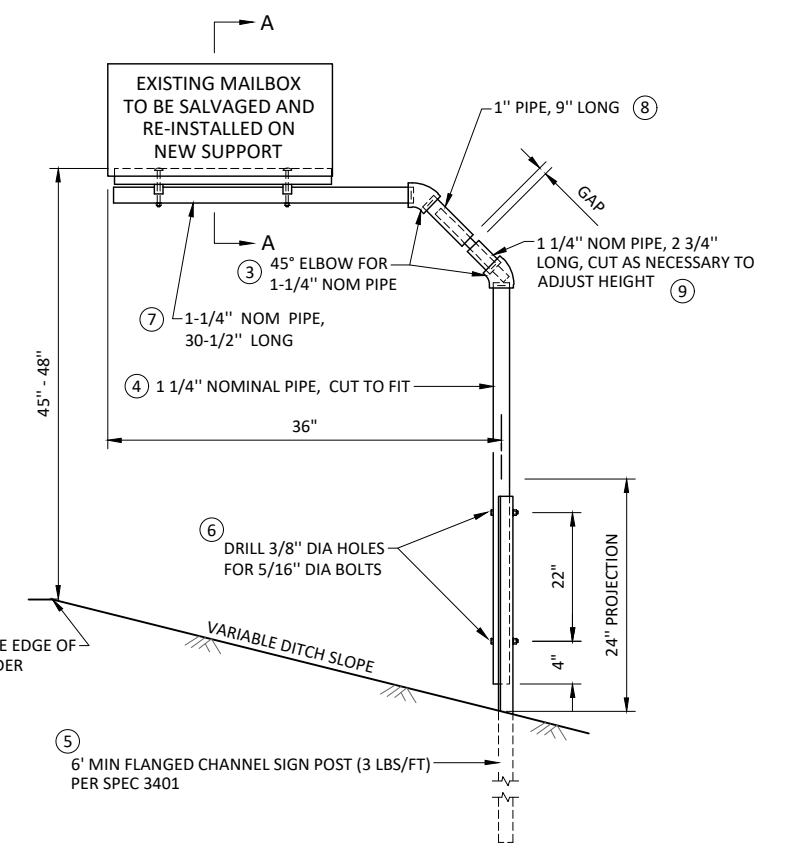
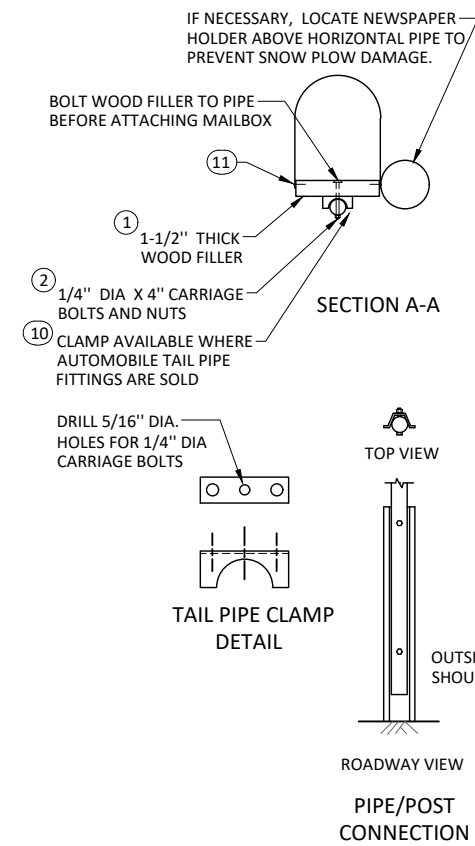
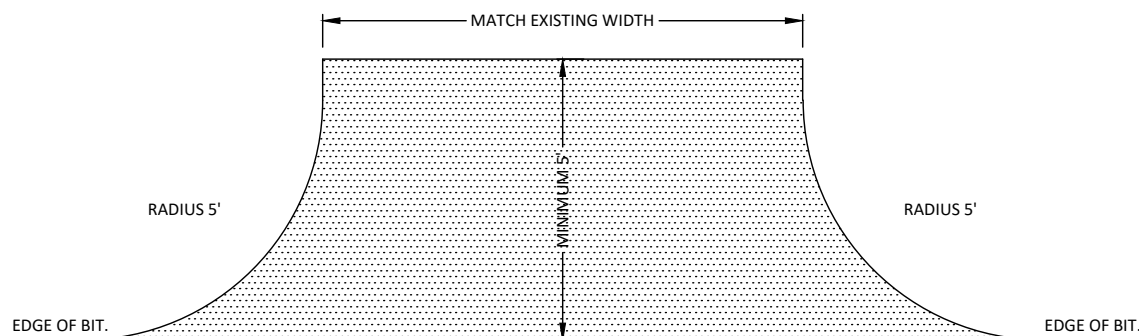
**TYPICAL PAVEMENT SECTION**  
NOT TO SCALE

- 1.5" TYPE SP 9.5 WEARING COURSE, (SPWEA340C) (SPEC 2360)
- BITUMINOUS TACK COAT (SPEC 2357) (INCIDENTAL)
- 2.0" TYPE SP 12.5 NON WEARING COURSE, (SPNWB330C) (SPEC 2360)
- SHAPED AGGREGATE BASE, CL 5 (SPEC 2211)



**TYPICAL BITUMINOUS DRIVEWAY SECTION**  
NOT TO SCALE

- 1.5" TYPE SP 9.5 WEARING COURSE, (SPWEA340C) (SPEC 2360)
- BITUMINOUS TACK COAT (SPEC 2357) (INCIDENTAL)
- 2.0" TYPE SP 12.5 NON WEARING COURSE, (SPNWB330C) (SPEC 2360)
- SHAPED AGGREGATE BASE, CL 5 (SPEC 2211)



NOTES:  
ALL PIPE AND PIPE FITTINGS SHALL CONFORM TO SPEC 3362

ALL FASTENERS SHALL CONFORM TO SPEC 3391

ALL MATERIALS SHALL BE GALVANIZED PER SPEC 3392

MAILBOX LOCATIONS SHOULD BE STAKED BEFORE INSTALLATION FOR PROPER HEIGHT AND DISTANCE FROM THE ROADWAY. ONCE STAKED, THE INSTALLER MUST NOTIFY THE ENGINEER AND THE POST OFFICE. THE ENGINEER AND POSTMASTER/MAILCARRIER WILL BE ALLOWED 48 HOURS TO REVIEW AND MODIFY THE STAKED LOCATIONS PRIOR TO FINAL INSTALLATION.

OTHER MnDOT APPROVED MAILBOX SUPPORTS MAY BE USED. THESE INCLUDE THE DESIGNS DEVELOPED BY MARSHALL COUNTY, THE ROCHESTER MnDOT DISTRICT, FRIEND INNOVATIONS AND MINNCOR INDUSTRIES.

DESIGN MODIFICATIONS TO PREVIOUSLY APPROVED SUPPORTS SHALL BE DOCUMENTED AND SENT TO THE DESIGN STANDARDS ENGINEER, OFFICE OF TECHNICAL SUPPORT.

THE MAILBOX TO BE 8 INCHES TO 12 INCHES OUTSIDE THE EDGE OF SHOULDER OR 6 INCHES TO 12 INCHES FROM FACE OF CURB.

NO MORE THAN THREE MAILBOXES SPACED 30" CENTER TO CENTER ARE TO BE USED IN ONE LOCATION.

**LIST OF MATERIALS FOR CONTRACTORS**

ITEM NO.	NUMBER REQUIRED	DESCRIPTION
1	1	1 1/2" THICK WOOD FILLER CUT TO FIT SNUG UNDER MAIL BOX
2	2	1/4" DIA x 4" LONG CARRIAGE BOLTS & NUTS
3	2	45° ELBOW FOR 1 1/4" NOMINAL PIPE
4	1	1 1/4" NOMINAL PIPE, CUT TO FIT
5	1	6 FT MIN SIGN POST (3 LBS/FT)
6	2	5/16" DIA BOLT, NUT & LOCK WASHER
7	1	1 1/4" NOMINAL PIPE, 30 1/2" LONG
8	1	1" PIPE, 9" LONG
9	1	1 1/4" NOMINAL PIPE, 5" LONG 1 1/4" NOMINAL PIPE, 2 3/4" LONG
10	2	1 1/2" TAIL PIPE CLAMP
11	9	No. 10 x 1" SHEET METAL SCREWS

**MAILBOX SUPPORT**  
**STEEL PIPE WITH FITTINGS AND STEEL FENCE POST**

COLUMBUS, MINNESOTA  
2021 FURMAN STREET NE IMPROVEMENTS  
TYPICAL SECTIONS & DETAILS

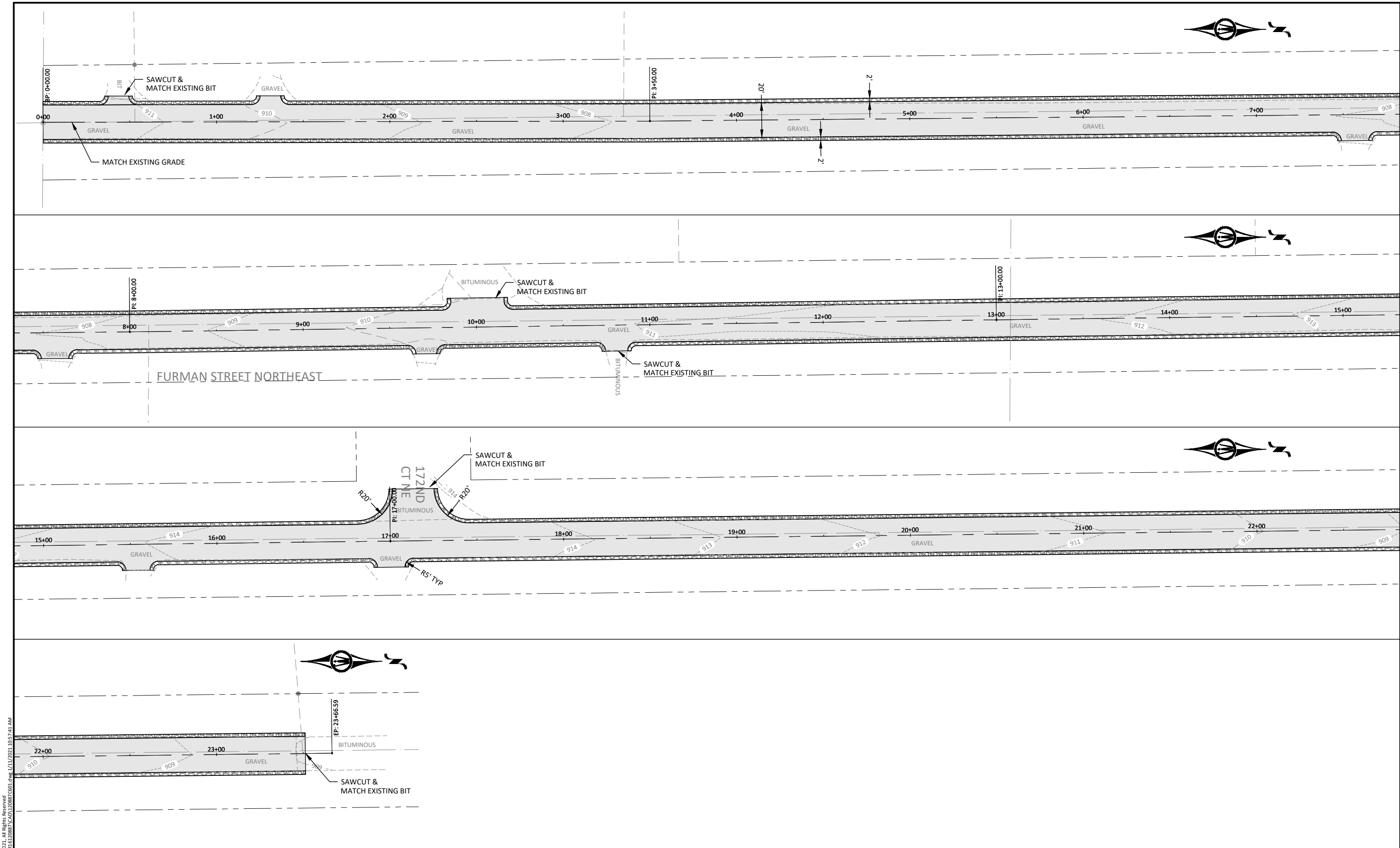
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
*Kevin F. Bittner*  
Kevin F. Bittner  
LIC. NO. 21814 DATE 01/15/2021



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SHEET  
2  
OF  
3



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*Kevin F. Bittner*  
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COLUMBUS, MINNESOTA  
 2021 FURMAN STREET NE IMPROVEMENTS  
 PLAN VIEW

SHEET 3 OF 3

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