

ANOKA COUNTY CITY OF BLAINE, MINNESOTA

CONSTRUCTION PLANS FOR

CONCRETE CURB AND GUTTER, CONCRETE MEDIAN,
AND BITUMINOUS SURFACING

RADISSON ROAD / 116TH AVENUE IMPROVEMENTS

CITY PROJECT NO. 23-05

EXISTING	
---	RIGHT OF WAY
---	PERMANENT EASEMENT
---	PROPERTY LINE
△ BM	HORIZONTAL CONTROL POINT
X	BENCHMARK
●	SURVEY MARKER
#	SOIL BORING
○	SANITARY SEWER AND MANHOLE
FM	FORCE MAIN AND LIFT STATION
○ CO	SANITARY SEWER SERVICE & CLEANOUT
○	WATER MAIN, HYDRANT, VALVE AND MANHOLE
○	WATER SERVICE AND CURB STOP BOX
○	STORM SEWER, MANHOLE AND CATCH BASIN
> -----	CULVERT AND APRON ENDWALL
G	GAS MAIN, VALVE, VENT AND METER
HH	HANDHOLE
FO	BURIED FIBER OPTIC CABLE AND MANHOLE
T-BUR	BURIED PHONE CABLE, PEDESTAL AND MANHOLE
TV-BUR	BURIED TV CABLE, PEDESTAL AND MANHOLE
E	BURIED ELECTRIC CABLE, PEDESTAL, MANHOLE, TRANSFORMER AND METER
P-BUR	OVERHEAD WIRE, POLE AND GUY WIRE
○	LIGHT POLE
○	TRAFFIC SIGNAL
○	STREET NAME SIGN
○	SIGN (NON STREET NAME)
	RAILROAD TRACKS
6"	DECIDUOUS AND CONIFEROUS TREE
6"	BUSH / SHRUB AND STUMP
XX	EDGE OF WOODED AREA
WET	WETLAND
---	BUILDING
X	FENCE (UNIDENTIFIED)
*	BARBED WIRE FENCE
XC	CHAIN LINK FENCE
XE	ELECTRIC WIRE FENCE
XWD	WOOD FENCE
XWW	WOVEN WIRE FENCE
---	PLATE BEAM GUARDRAIL
---	CABLE GUARDRAIL
○ P	POST / BOLLARD
~~~~~	RETAINING WALL
PROPOSED	
6+00	STREET CENTERLINE
---	RIGHT-OF-WAY
---	PERMANENT EASEMENT
---	TEMPORARY EASEMENT
---	CONSTRUCTION LIMITS
○	SANITARY SEWER, BULKHEAD AND MANHOLE
FM	FORCE MAIN
●	SANITARY SERVICE AND CLEANOUT
---	WATER MAIN, TEE, HYDRANT, BULKHEAD AND VALVE
W	WATER VALVE MANHOLE, REDUCER, BEND AND CROSS
---	WATER SERVICE AND CURB STOP BOX
---	STORM SEWER, MANHOLE AND CATCH BASIN
---	CULVERT AND APRON ENDWALL
---	DRAIN TILE
---	DITCH / SWALE
---	RIPRAP
○	STREET NAME SIGN
○	SIGN (NON STREET NAME)
---	RETAINING WALL

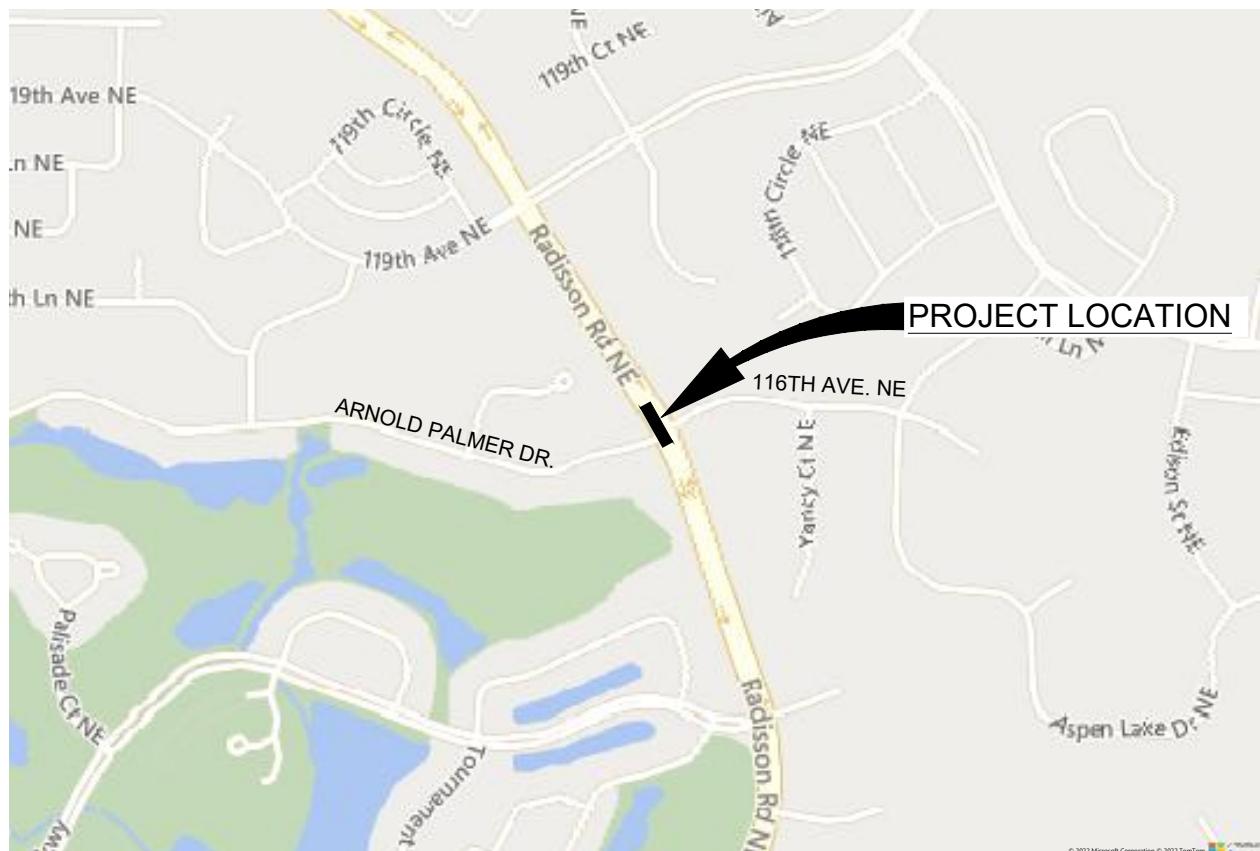
GOVERNING SPECIFICATIONS  
THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION  
"STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN EXCEPT  
AS MODIFIED BY THE SPECIFICATIONS FOR THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE  
MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST  
FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

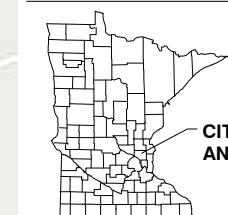
### INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3	DETAILS
4	TYPICAL SECTIONS
5	TRAFFIC CONTROL PLAN
6	REMOVALS
7	CONSTRUCTION PLAN
8	SIGNING AND STRIPING PLAN

THIS PLAN CONTAINS 8 SHEETS.



### PROJECT LOCATION



NOTE:  
THE SUBSURFACE UTILITY QUALITY INFORMATION IN THIS PLAN IS LEVEL D.  
THIS UTILITY QUALITY 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."

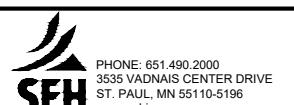
THE CONTRACTOR SHALL CALL THE ONE CALL SYSTEM AT  
811 BEFORE COMMENCING EXCAVATION.

APPROVED:

CITY ENGINEER OF BLAINE _____ DATE _____

COUNTY ENGINEER OF ANOKA _____ DATE _____

### BLAINE, MINNESOTA



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 MN.

FILE NO.  
167749

1  
of 8

Date: 8.15.2022 Lic. No. 26859

LINE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
1	2021.501	MOBILIZATION	LS	1.00	
2	2104.502	PAVEMENT MARKING REMOVAL	LF	50	
3	2104.502	REMOVE CASTING (STORM)	EA	2	
4	2104.502	SALVAGE SIGN	EA	6	
5	2104.503	REMOVE CURB & GUTTER	LF	106	
6	2104.504	REMOVE CONCRETE PAVEMENT	SY	18	
7	2104.504	REMOVE BITUMINOUS PAVEMENT	SY	352	
8	2104.603	EDGE MILL BITUMINOUS PAVEMENT	LF	360	
9	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HR	4	
10	2211.507	AGRREGATE BASE (CV) CLASS 5	CY	20	
11	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	14	
12	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,F)	TON	71	
13	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,B)	TON	36	
14	2506.502	CASTING ASSEMBLY (STORM)	EA	2	
15	2531.503	CONCRETE CURB & GUTTER DESIGN B412 (MODIFIED)	LF	260	
16	2531.504	4" CONCRETE PAVEMENT	SY	90	
17	2563.601	TRAFFIC CONTROL	LS	1.00	
18	2564.502	SIGN PANELS TYPE C	SF	114	
19	2573.502	STORM DRAIN INLET PROTECTION	EA	5	
20	2582.503	4" SOLID LINE MULTI COMP	LF	40	
21	2582.503	8" SOLID LINE MULTI COMP	LF	522	
22	2582.503	24" SOLID PREFORM TAPE GROUND IN	LF	80	

SEH Project 167749  
Rev.# 1  
Drawn By BM  
Designed By DJC  
Checked By GFA

Revision Issue  
Description  
UPDATED CURB TYPE TO B412 (MODIFIED)  
Date 9.2.2022

Rev.#

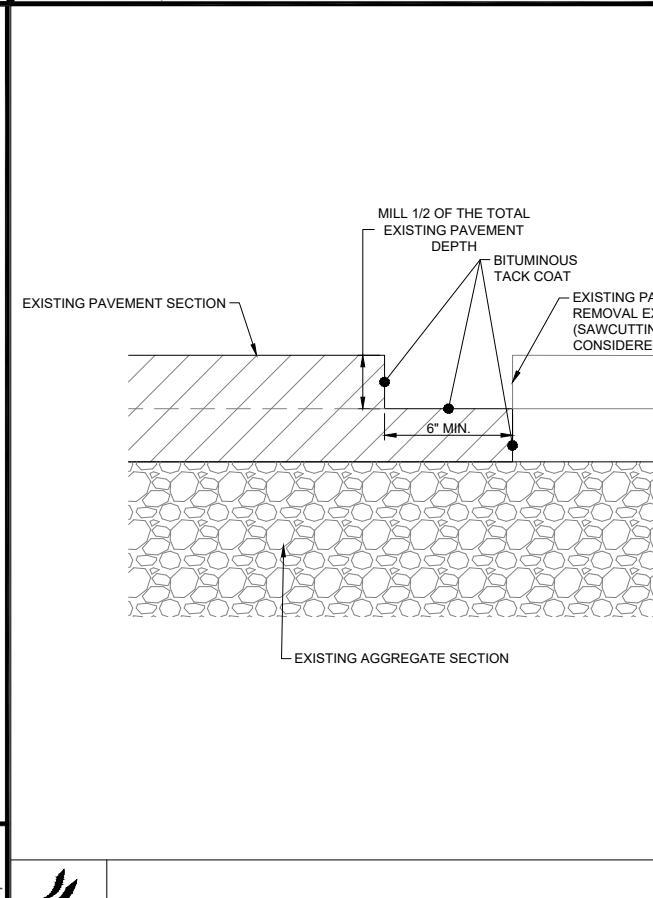
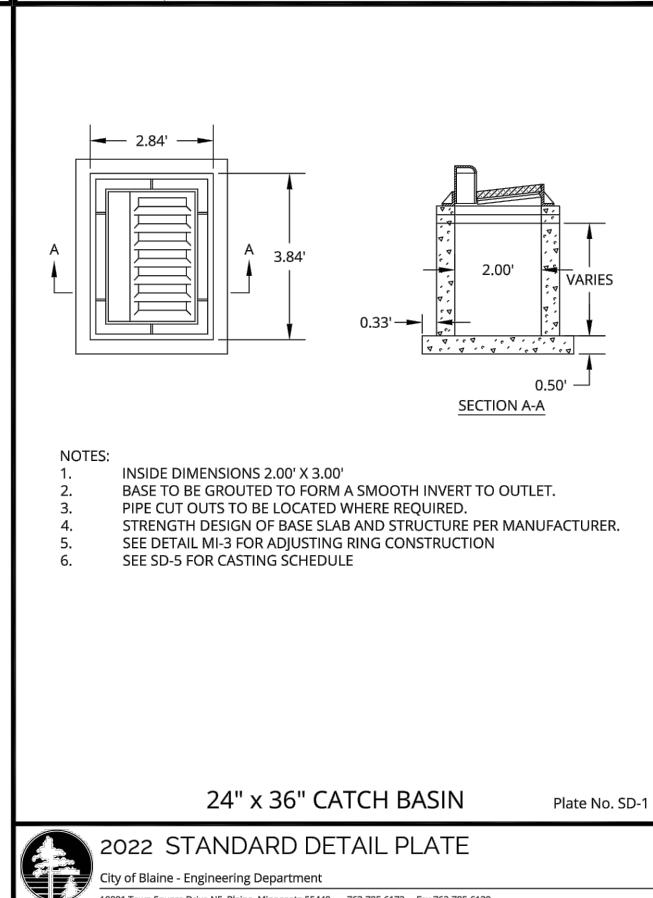
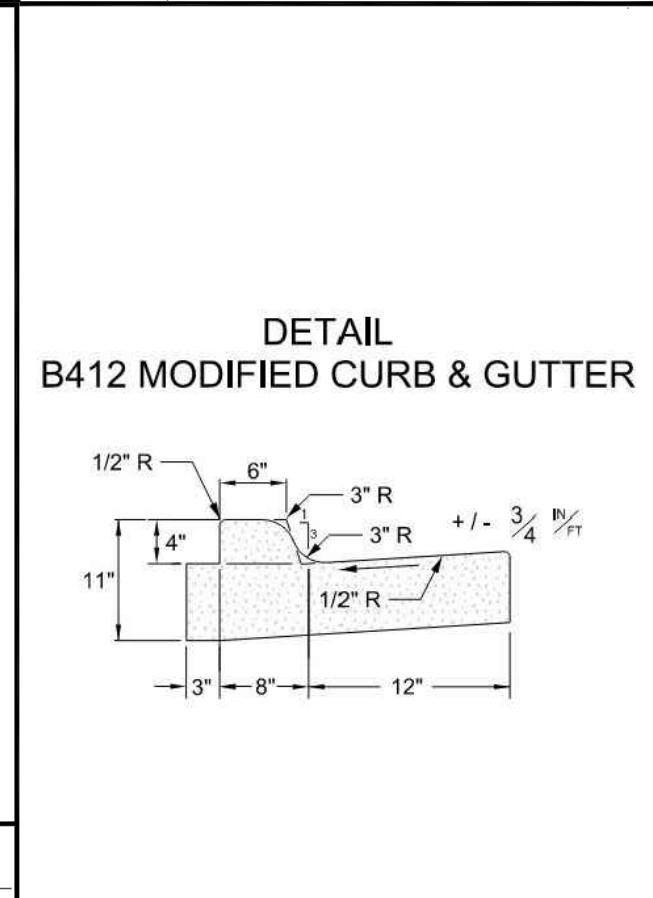
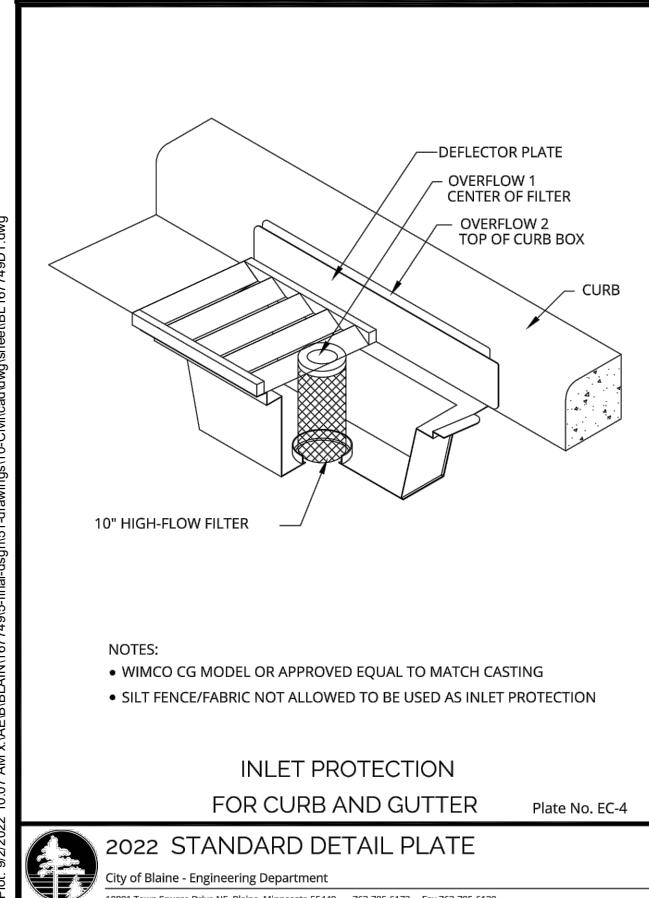
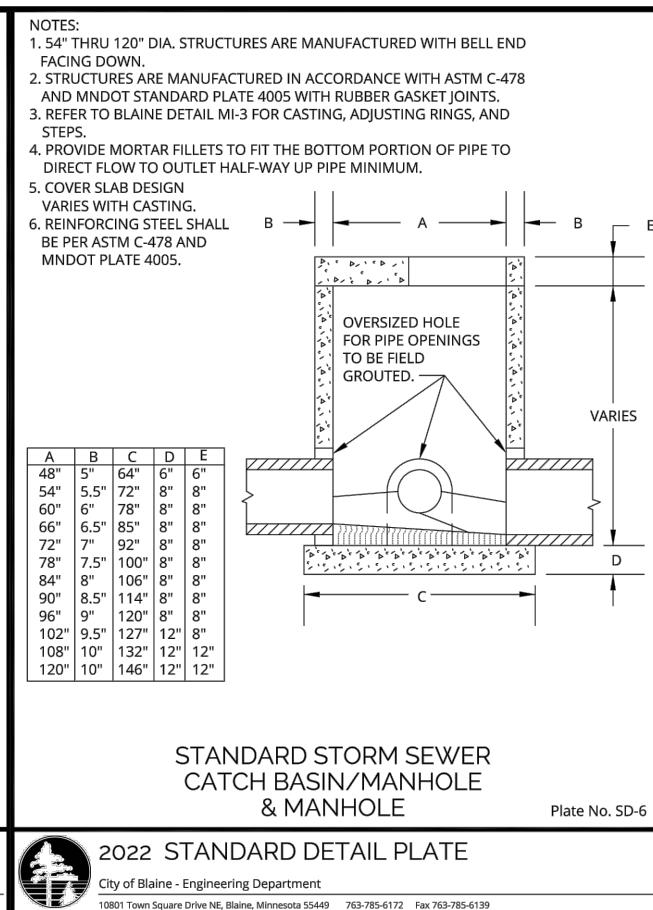
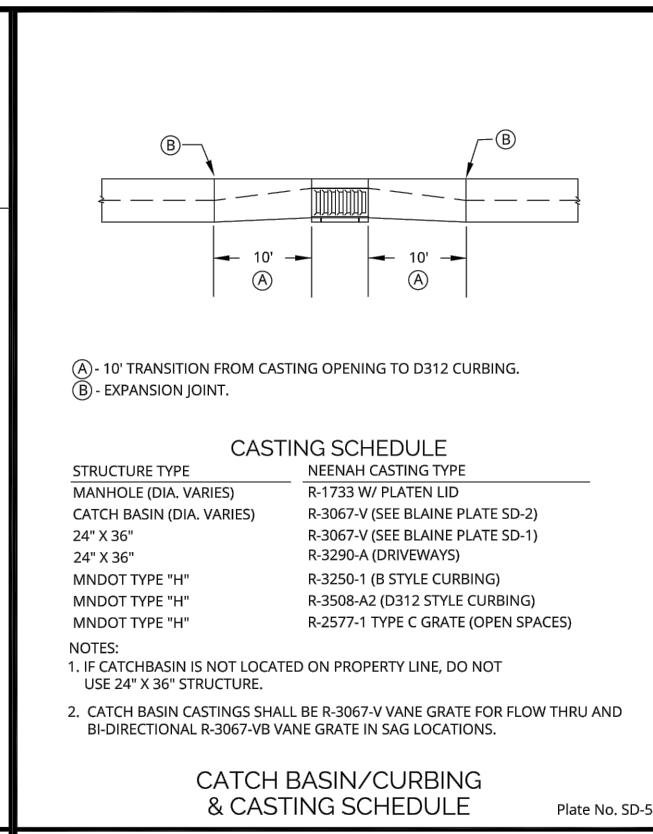
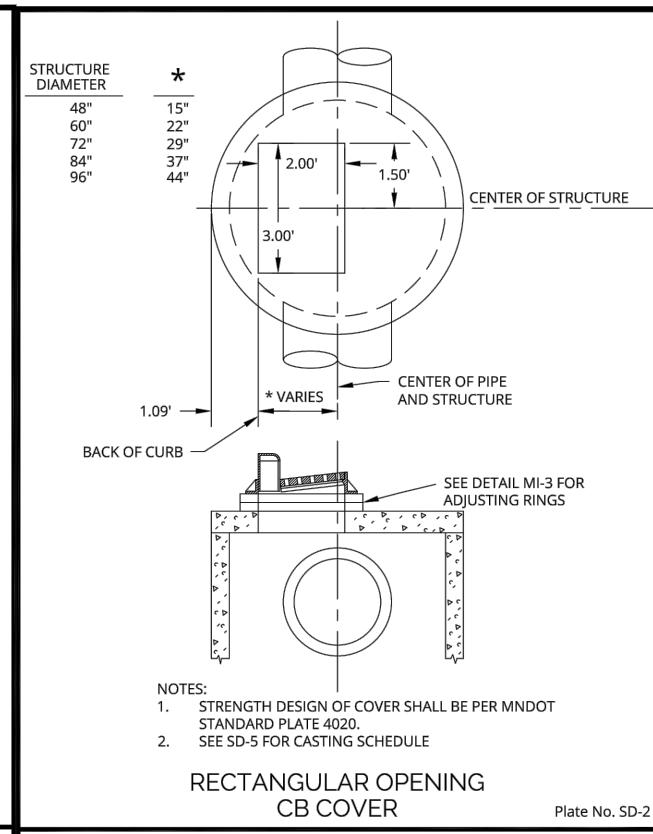
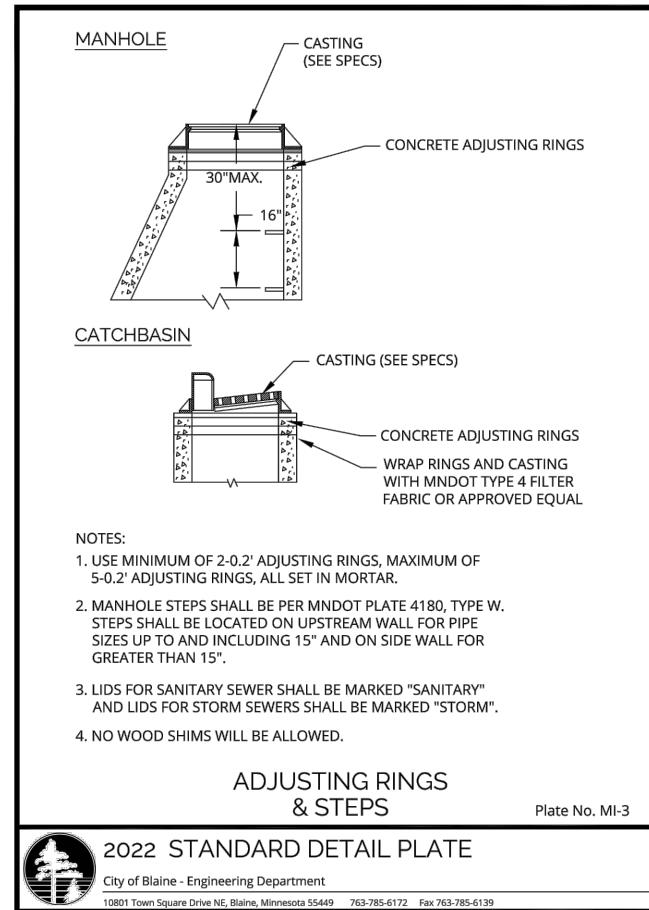
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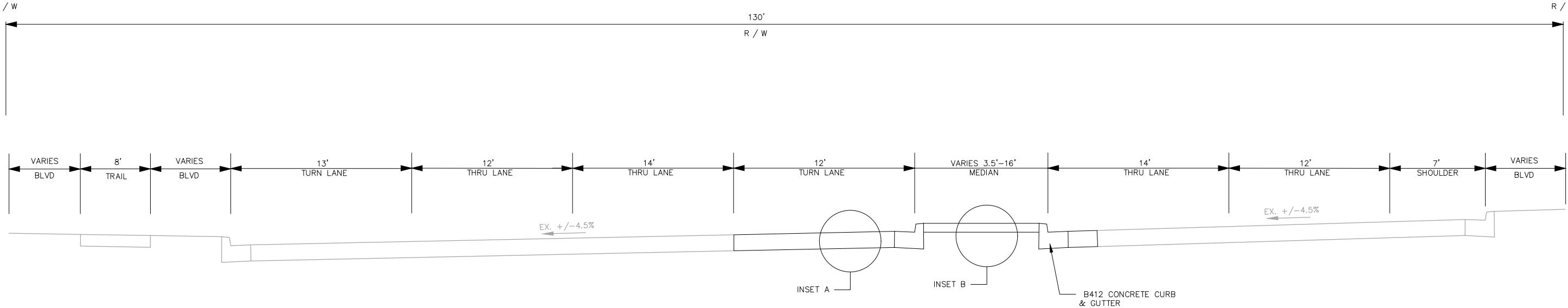


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THE LAWS OF THE STATE OF MN.  
GREG F. ANDERSON  
DATE 8.15.2022  
LICENSURE NO. 26859

RADISSON RD. - 116TH AVE.  
IMPROVEMENTS  
BLAINE, MN

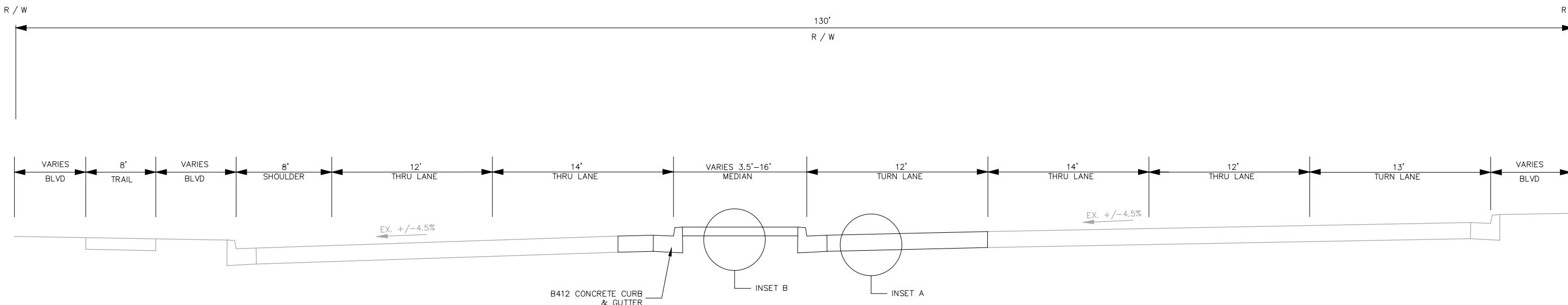
STATEMENT OF ESTIMATED  
QUANTITIES





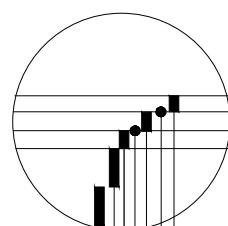
### MEDIAN W/ BITUMINOUS REPLACEMENT

## RADISSION ROAD (NORTH)



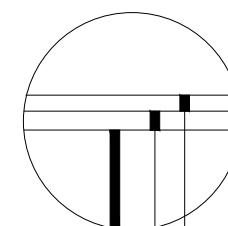
## MEDIAN W/ BITUMINOUS REPLACEMENT

## RADISSION ROAD (SOUTH)



INSET A

- 2.0" WEARING COURSE SPWEB340F
- BITUMINOUS TACK COAT
- 2.0" WEARING COURSE SPWEB340F
- BITUMINOUS TACK COAT
- 2.0" NON WEARING COURSE SPNWB33
- 6" IN PLACE AGGREGATE BASE
- EXISTING SUBGRADE



INSET B

4" CONCRETE  
6" AGGREGATE BASE  
EXISTING SUBGRADE



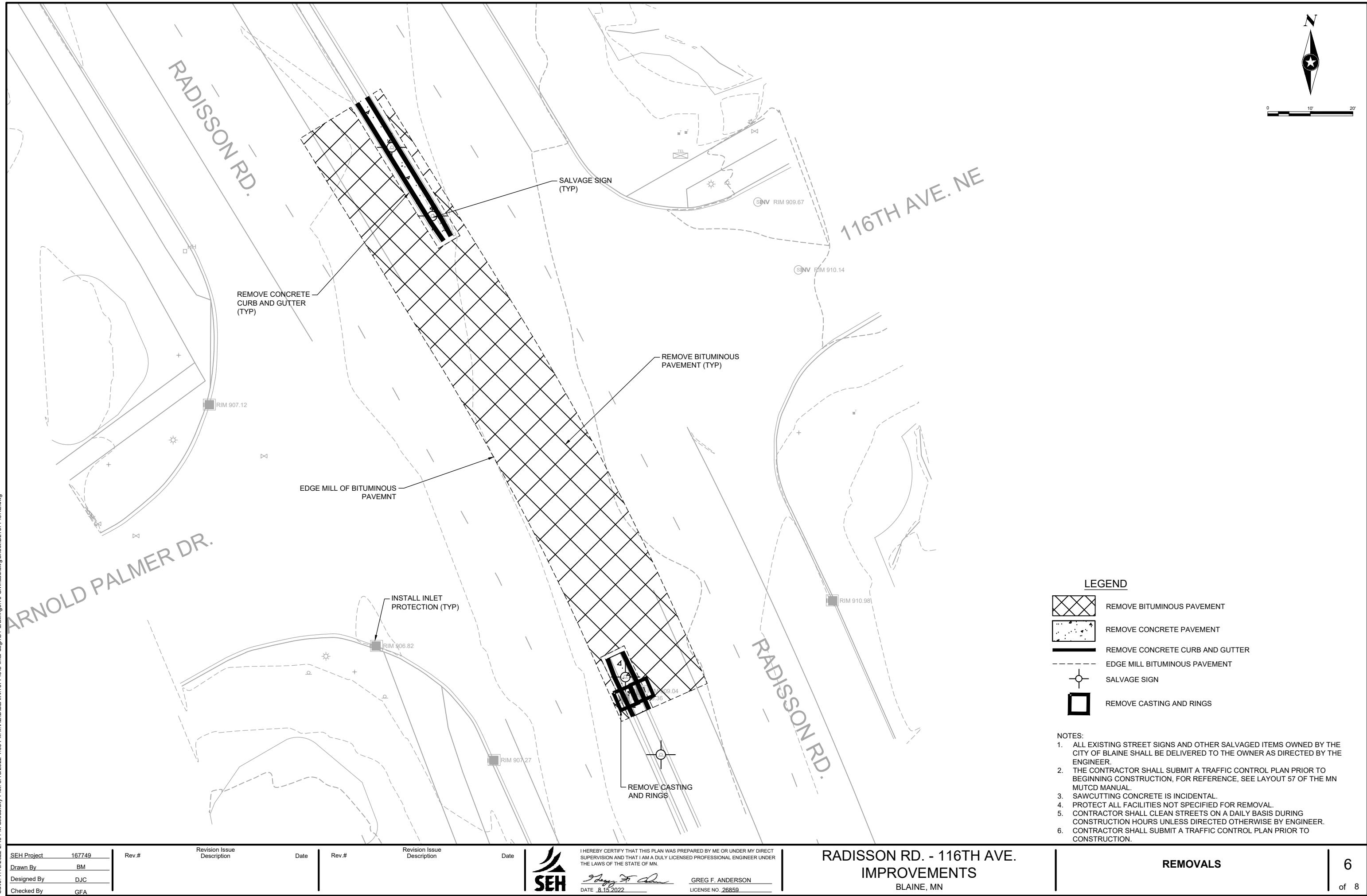
SEH Project	167749	Rev.#	Revision Issue Description	Date	Rev.#	Revision Issue Description	Date
Drawn By	BM						
Designed By	DJC						
Checked By	GFA						



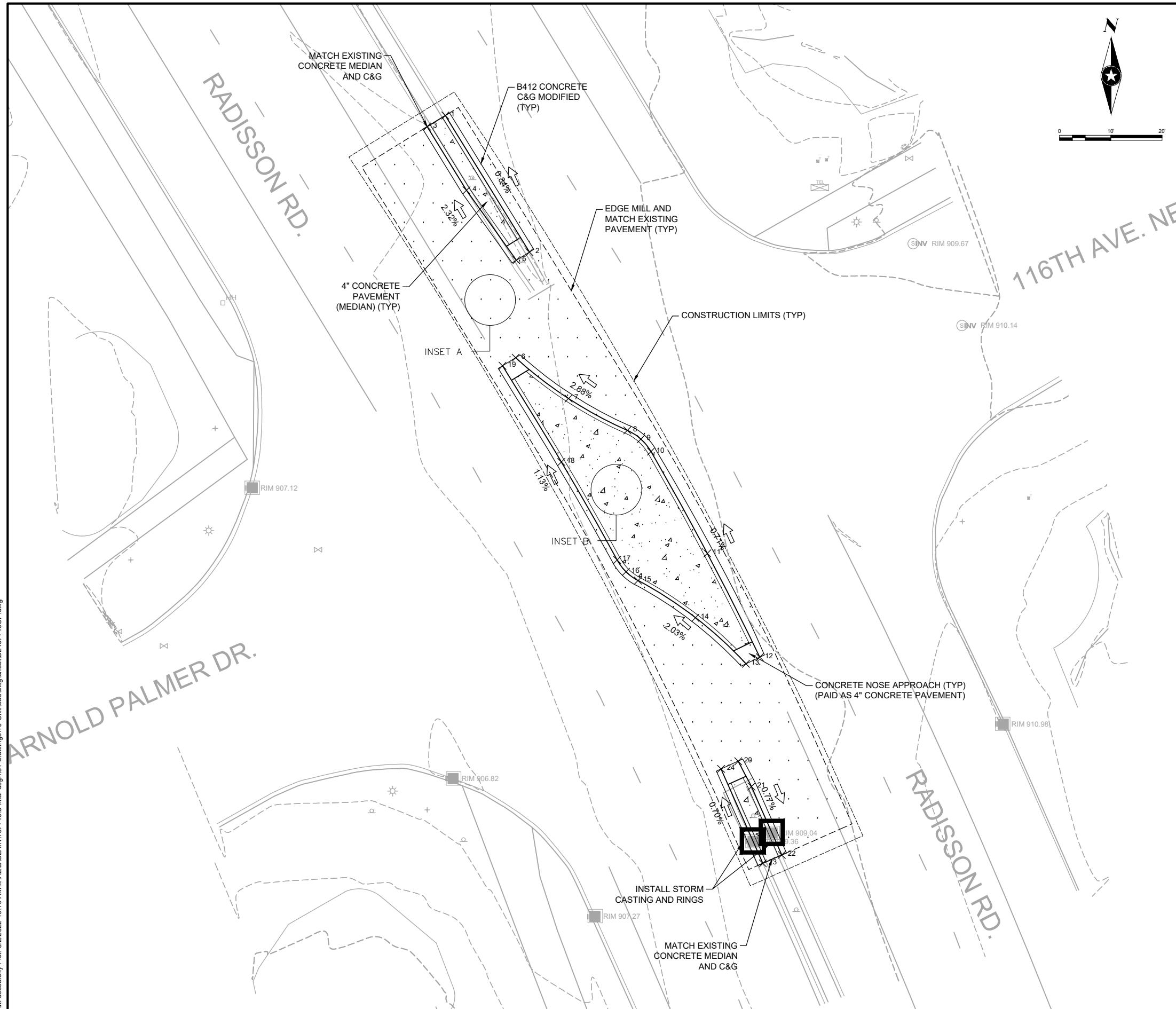
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GREG F. ANDERSON  
DATE 8.15.2022  
LICENSE NO. 26859

## RADISSON RD. - 116TH AVE. IMPROVEMENTS BLAINE, MN

### TRAFFIC CONTROL PLAN

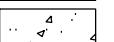
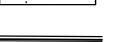


0 10' 20'



POINT TABLE				
POINT #	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
1	foc	908.657	153433.3827	515815.5006
2	foc	908.921	153406.7309	515831.9267
3	foc	908.010	153431.2104	515811.9760
4	foc	908.147	153418.7936	515819.6403
5	foc	908.730	153405.1543	515829.3687
6	foc	908.617	153386.1268	515829.2274
7	foc	909.041	153378.1586	515839.5514
8	foc	909.368	153371.9505	515851.0203
9	foc	909.467	153370.2466	515853.6595
10	foc	909.527	153367.8081	515855.6398
11	foc	909.797	153347.9514	515866.6284
12	foc	909.852	153327.6934	515876.8581
13	foc	909.732	153326.3920	515874.1551
14	foc	909.537	153335.3863	515864.2946
15	foc	909.190	153342.6393	515853.0909
16	foc	909.148	153344.3569	515850.7692
17	foc	909.126	153346.6664	515849.0352
18	foc	908.955	153365.7849	515838.1534
19	foc	908.629	153384.5511	515826.6746
20	foc	909.159	153307.3769	515872.6590
21	foc	909.100	153302.4508	515875.2441
22	foc	909.089	153289.1030	515881.1522
23	foc	909.395	153287.4697	515877.4593
24	foc	909.246	153305.8954	515869.3096

LEGEND

-  BITUMINOUS PAVEMENT
-  4" CONCRETE PAVEMENT
-  B412 CONCRETE CURB & GUTTER (MODIFIED)
-  INSTALL STORM FRAME & RING CASTING

