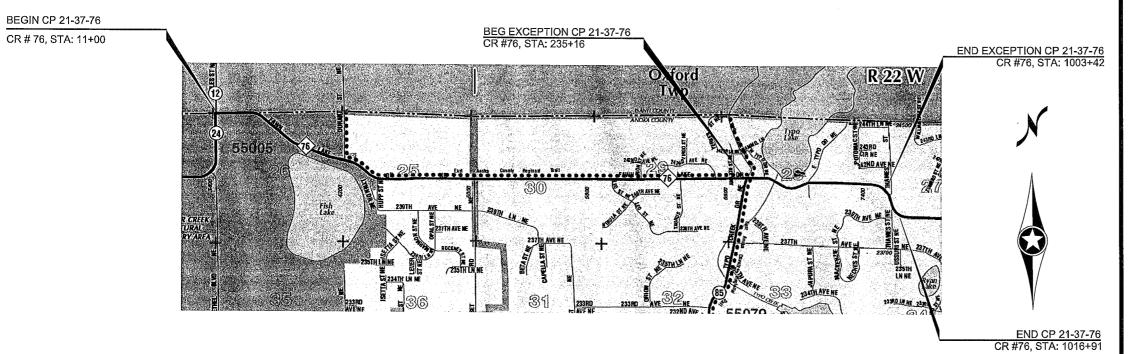
MINNESOTA DEPARTMENT OF TRANSPORTATION **ANOKA COUNTY**

CONSTRUCTION PLAN FOR _____ BITUMINOUS SURFACING, BITUMINOUS RECLAMATION AND BYPASS CONSTRUCTION LOCATED ON CR #76 BETWEEN _ CSAH 24 AND_ 400' S OF THAMES ST NE CR #76 GROSS LENGTH EXCEPTIONS-LENGTH NET LENGTH



GOVERNING SPECIFICATIONS

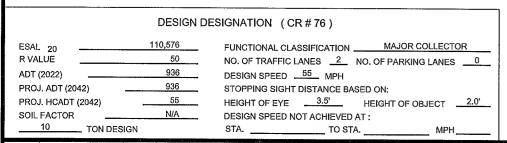
THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN, ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE INSTALLED IN ACCORDANCE WITH THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MNMUTCD), AND PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS."

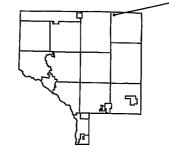
THIS PLAN CONTAINS 33 SHEETS

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3 - 4	TYPICAL SECTIONS
5 - 6	DETAILS
7 - 8	SUPERELEVATION TABULATION
9 - 18	CONSTRUCTION PLAN
19	PERMANENT MARKING GUIDE
20 - 28	TEMPORARY SIGNING/PERMANENT SIGNING & STRIPING
29	TEMPORARY SIGNING & PERMANENT SIGNING QUANTITIES
30 - 33	SIGNING & STRIPING DETAILS

PROJECT LOCATION





CITIES OF EAST BETHEL & LINWOOD ANOKA COUNTY MN/DOT TRANSPORTATION DISTRICT - METRO SECTIONS 25, 26, 28-30 TOWNSHIP 34 NORTH RANGE 22, 23 WEST

Joseph Approved MacPherson Digitally signed by Joseph Date: 2022.02.17 10:36:02 -06'00'

ANOKA COUNTY ENGINEER

								OR UNDER N LICENSED P THE STATE O
NO	DATE	BY	CKD	APPR	REVISION	02/17/2022	9:51:21 AM	SIGNATURE
NAME: P:\22-01-00\CSAH_76_(CSAH 24-TYPO CREEK DR)\Base\Proposed\CR 76 TITLE.dgn								

OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

__ LICENSE NO, ____58657

2/9/2022

HECKED BY APA DATE 2/9/2022



ANOKA COUNTY HIGHWAY DEPT.

TITLE SHEET

21-37-76 COUNTY PROJECT

Sheet 1 of 33 Sheets

	STATEMENT OF ESTIMATED QUANTITIES								
Notes	Item Number	Code	ITEM DESCRIPTION	Unit	TOTAL PROJECT QUANTITIES ESTIMATED				
	2021.501	00010	MOBILIZATION	LUMP SUM	1				
	2104.502	02490	SALVAGE PIPE APRON	EACH	1				
	2104.502	03450	SALVAGE SIGN PANEL TYPE C	EACH	5				
1	2104.503	00205	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	2276				
1,2	2104.504	00110	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	277				
1,2	2104.504	00120	REMOVE BITUMINOUS PAVEMENT	SQ YD	1042				
	2105.607	00015	COMMON EXCAVATION	CU YD	325				
	2105.607	00190	SELECT GRANULAR BORROW (LV)	CU YD	2651				
3	2123.510	00020	MOTOR GRADER	HOUR	24				
4	2123.510	00130	DOZER	HOUR	8				
	2130.523	00010	WATER	M GALLON	488				
5	2211.509	00070	AGGREGATE BASE CLASS 5	TON	1119				
	2215.504	00010	FULL DEPTH RECLAMATION	SQ YD	69710				
6	2215.507	00010	HAUL FULL DEPTH RECLAMATION (LV)	CUYD	80				
7	2215.509	00030	AGGREGATE BASE	TON	1904				
8	2221.509	08000	SHOULDER BASE AGGREGATE CLASS 5	TON	1346				
9	2232.504	00060	MILL BITUMINOUS SURFACE (2.0")	SQ YD	257				
	2357.506	00010	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	3538				
10	2360.509	13200	TYPE SP 9.5 WEARING COURSE MIXTURE (3;B)	TON	40				
11	2360.509	24300	TYPE SP 12.5 WEARING COURSE MIXTURE (4;C)	TON	264				
	2360.509	24300	TYPE SP 12.5 WEARING COURSE MIXTURE (4;C)	TON	16682				
	2501.502	45070	INSTALL PIPE APRON	EACH	1				
	2501.503	05036	36" CP PIPE CULVERT	LIN FT	16				
12	2540.602	00150	MAIL BOX SUPPORT	EACH	33				
13	2563.601	00010	TRAFFIC CONTROL	LUMP SUM	1				
14	2563.613	01100	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	40				
	2564.502	00113	INSTALL SIGN PANEL TYPE C	EACH	5				
	2564.518	00130	SIGN PANELS TYPE C	SQ FT	12.50				
	2573.503	00023	SILT FENCE; TYPE MS	LIN FT	1272				
	2574.507	00100	COMMON TOPSOIL BORROW	CU YD	508				
15	2575.508	40003	HYDRAULIC REINFORCED FIBER MATRIX	POUND	3764				
16	2581.503	00010	REMOVABLE PREFORMED PAVEMENT MARKING TAPE	LIN FT	1900				
17	2582.503	30104	4" SOLID LINE MULTI-COMPONENT	LIN FT	52018				
17	2582.503	30204	4" BROKEN LINE MULTI-COMPONENT	LIN FT	2480				
17	2582.503	30308	8" DOTTED LINE MULTI-COMPONENT	LIN FT	180				
17	2582.503	30404	4" DOUBLE SOLID LINE MULTI-COMPONENT	LIN FT	11574				

	CONSTRUCTION NOTES
1	REFERENCE DETAILS (PAGE 5-6) FOR REMOVAL DETAILS
2	ITEM FOR BITUMINOUS DRIVEWAYS AND STREET APPROACHES. CONTRACTOR IS RESPONSIBILE FOR CONTACTING PROPERTY OWNER 48 HOURS BEFORE STARTING OPERATION.
3	ITEM USED TO MOVE EXCESS RECLAIM MATERIAL AT THE RECLAIM AREA LIMITS TO CREATE A SMOOTH TRANSITION BETWEEN THE PROPOSED AND EXISTING PAVEMENT
4	TO BE USED FOR DITCH GRADING AT NEW BYPASSES TO PROVIDE POSITIVE DRAINAGE.
5	INCLUDES GRAVEL BASE FOR BITUMINOUS DRIVEWAYS.
6	ITEM USED TO HAUL EXCESS RECLAIM FROM TIE-IN POINTS AND REUSED ON SITE FOR SUPERELEVATION CORRECTIONS.
7	PLACE 2" OF AGGREGATE BASE OVER THE ENTIRE WIDTH OF THE ROADWAY BETWEEN STATIONS 25+00 - 85+00. PLACE AGGREGATE IN FRONT OF RECLAMATION PROCESS TO COMBINE IN WITH EXISTING PAVEMENT AND BASE. SEE SPECIAL PROVISONS FOR GRADATION
8	ITEM INCLUDES 7 TONS FOR EACH GRAVEL ENTRANCE AND GRAVEL STREET APPROACH.
9	ITEM INCLUDES 2" DEEP MILL AT BEGINNING AND END OF PROJECT, ALL PAVED ST APPROACHES, AND DRIVEWAYS; SEE DETAILS FOR DIMENSIONS
10	ITEM FOR BITUMINOUS DRIVEWAYS. DRIVEWAYS SHALL BE PAVED AFTER MAINLINE AND BEFORE FINAL STRIPING.
11	ITEM FOR STREET APPROACHES. STREET APPRACHES SHALL BE PAVED AFTER MAINLINE, AND BEFORE FINAL STRIPING
12	MAILBOXES ARE TO BE INSTALLED AT THE EXISTING MAILBOX LOCATION OR AS DIRECTED BY THE LOCAL POSTAL AUTHORITY, CONTRACTOR IS RESPONSIBILE FOR CONTACTING. MAILBOX REMOVAL AND ALL MATERIALS ARE INCIDENTAL TO INSTALLATION.
13	ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO, AND BE INSTALLED IN ACCORDANCE WITH, THE MOST CURRENT REVISION OF THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". "DO NOT PASS, PASS WITH CARE, NO CENTER STRIPE, AND STOP HERE ON RED SIGNS SHALL BE INPLACE WHENEVER PERMANENT PAVEMENT MARKINGS ARE NOT PRESENT.
14	4 MESSAGE BOARDS, ONE ON THE EACH END OF PROJECT, SHALL BE INSTALLED 10 DAYS PRIOR TO ANY CONSTRUCTION; REFERENCE STRIPING PLAN FOR DETAILS.
15	TYPE 3 FERTILIZER AND TYPE 25-121 SEED ARE INCIDENTAL TO THIS ITEM. SEE "BASIS OF PLANNED QUANTITIES" FOR APPLICATION RATES.
16	CENTERLINE AND LANE DESIGNATION SKIPS TO BE APPLIED AS SOON AS POSSIBLE ON MILLED SURFACE AND EACH NEW LIFT OF PAVEMENT; SKIPS MUST BE INPLACE BEFORE THE CONTRACTOR LEAVES FOR THE DAY. CONTRACTOR IS TO REMOVE PRIOR TO FINAL STRIPING.
17	FINAL STRIPING SHALL BE INSTALLED WITHIN 72 HOURS OF COMPLETION OF MAINLINE WEAR COURSE PAVING. CANNOT BE INSTALLED SOONER THAN 48 HOURS.

	BASIS OF PLANNED QUANTITIES								
2357	BITUMINOUS MATERIAL FOR TACK COAT	0.05 GAL / SQ YD							
2211	AGGREGATE BASE CLASS 5	1.8 TONS / CU YD							
2360	ALL BITUMINOUS PAVEMENT	115 LBS / SQ YD / IN THICKNESS							
2581	REMOVABLE PREFORM PAVEMENT MARKING TAPE	2' AT 50' INTERVALS							
2575	SEED MIXTURE 25-121	61 LBS./ ACRE							
2574	FERTILIZER TYPE 3	350 LBS./ ACRE							
2575	HYDRAULIC REINFORCED FIBER MATRIX	3900 LBS./ ACRE							

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT

	MNDOT STANDARD PLATES					
PLATE NO.	DESCRIPTION					
8000K	TEMPORARY CHANNELIZERS (3 SHEETS)					
9350B	MAILBOX SUPPORT - SWING-AWAY TYPE					

										PLAN WAS PREPARED BY	
										/ISION AND THAT I AM A	
								THE STATE OF		SINEER UNDER THE LAW	SOF
								PRINT NAME:		ARON P. ANDERSON	
NO	DATE	BY	CKD	APPR	REVISION	02/09/2022	1:14:22 PM	SIGNATURE: _			
NAME: P:\22-01-00\CSAH 76 (CSAH 24-TYPO CREEK DR)\Base\Proposed\CR 76 SEQ.dqn							DATE:	2/9/2022	LICENSE NO	58657	

DRAWN BY ____SRK___ DATE __12/01/2021 DESIGN BY ____SRK___ DATE _12/01/2021

CHECKED BY APA DATE 2/9/2022

ANOKA COUNTY HIGHWAY DEPT.

STATEMENT OF ESTIMATED QUANTITIES

21-37-76 COUNTY PROJECT _

Sheet 2 of 33 Sheets

CR 76 - FAWN LAKE DRIVE

EXISTING SECTION

205+87.00 - 212+03.00 222+38.00 - 227+83.00

26.00' 12.00' RTL/BYPASS 12.00' THRU 2.00' GRAVEL VAR VAR EXISTING SECTION

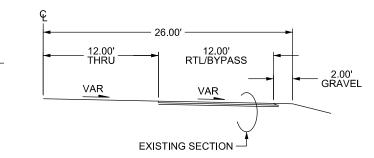
205+87.00 - 212+03.00 222+38.00 - 227+83.00

197+56.00 - 203+71.00 212+03.00 - 219+12.00 227+83.00 - 235+16.00

14.00' 12,00' THRU 12.00' THRU 2.00' GRAVEL 2.00' GRAVEL 0.020 0.020

EXISTING SECTION

175+62.00 - 181+07.00 203+71.00 - 208+97.00 219+12.00 - 225+41.00

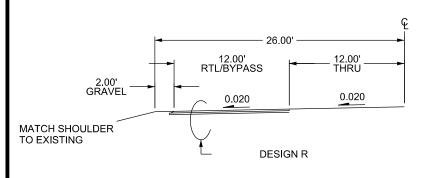


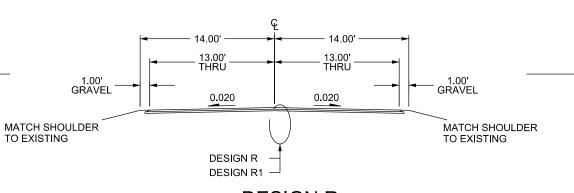
CR 76 - FAWN LAKE DRIVE

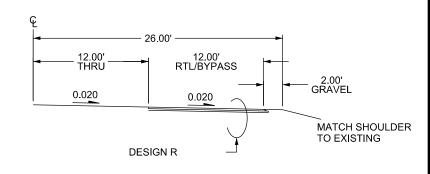
PROPOSED SECTION

197+56.00 - 203+71.00 212+03.00 - 219+12.00 227+83.00 - 235+16.00

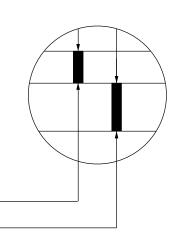
175+62.00 - 181+07.00 203+71.00 - 208+97.00 219+12.00 - 225+41.00



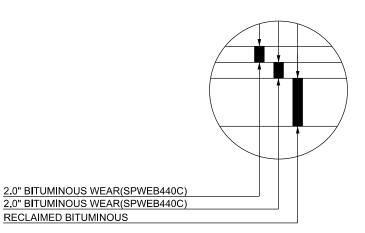




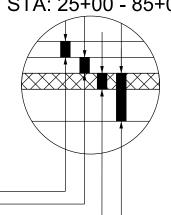
EXISTING SECTION



DESIGN R **RECLAIM SECTION**



DESIGN R1 RECLAIM SECTION STA: 25+00 - 85+00



2.0" BITUMINOUS WEAR(SPWEB440C) 2.0" BITUMINOUS WEAR(SPWEB440C) 2" AGGREGATE BASE **RECLAIMED AGGREGATE & BITUMINOUS**

CKD APPR REVISION DATE 02/09/2022 BY NAME: P:\22-01-00\CSAH 76 (CSAH 24-TYPO CREEK DR)\Base\Proposed\CR 76 TYPICALS.dgn

3.75" - 6.75" EXISTING BITUMINOUS

EXISTING GRANULAR BASE

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 SIGNATURE: 2/9/2022 LICENSE NO. ____58657 DATE: ____

RECLAIMED BITUMINOUS

HECKED BY APA DATE 2/9/2022



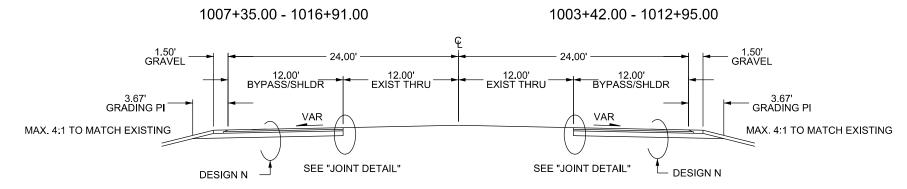
ANOKA COUNTY HIGHWAY DEPT.

TYPICAL SECTIONS

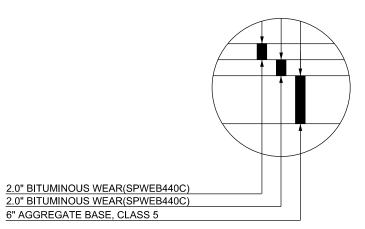
21-37-76 COUNTY PROJECT

Sheet 3 of 33 Sheets

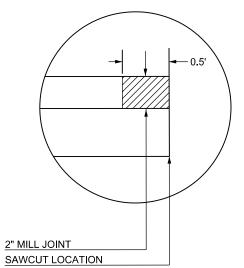
CSAH 76 THAMES ST BYPASS/SHOULDER



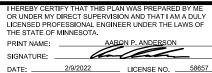
DESIGN N RIGHT TURN & BYPASS LANE



JOINT DETAIL



NO	DATE	BY	CKD	APPR	REVISION	02/09/2022	1:14:29 PM	
NAME: P:\20-01-00\CSAH_76_(CSAH85-CSAH35)\Base\Proposed\Bypass Plans\TYPICAL_Thames Bypass Lanes.dgn								







ANOKA COUNTY HIGHWAY DEPT.

TYPICAL SECTIONS

COUNTY PROJECT _____21-37-76

Sheet 4 of 33 Sheets

STREET APPROACH DETAIL (RECLAIM)

BITUMINOUS STREET

PLAN VIEW

SP 12.5 WEAR COURSE (4,C)

2 - 2" LIFTS IN RECLAIM/REMOVAL AREA

MAINLINE 2" TYP SP 12.5 WEAR COURSE MAINLINE 2" TYP SP 12.5 BASE COURSE 4' MILL JOINT PAVED ST. APPROACH

SECTION S - S

RECLAIMED BIT / CLASS 5 2" TYP SP 12.5 WEAR COURSE (SPWEB440C) 2" TYP SP 12.5 BASE COURSE (SPWEB440C) SAWCUT / BITUMINOUS PAVEMENT REMOVAL LIMIT —

RECLAIM AREA - DRIVEWAY DETAIL

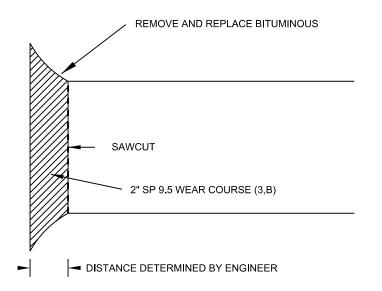
■ DISTANCE DETERMINED BY ENGINEER

4' WIDE MILL JOINT ON PAVED STREETS.

REMOVE BITUMINOUS

BITUMINOUS

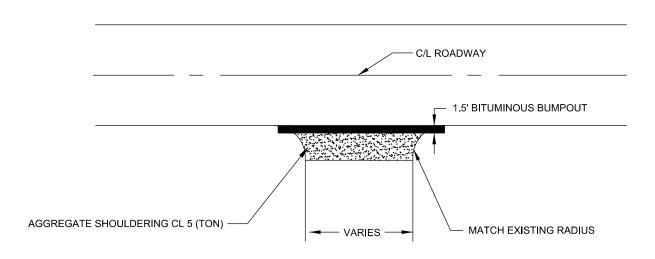
PLAN VIEW



DRIVEWAY DETAIL

2" MILL JOINT -

GRAVEL / FIELD ENTRANCE









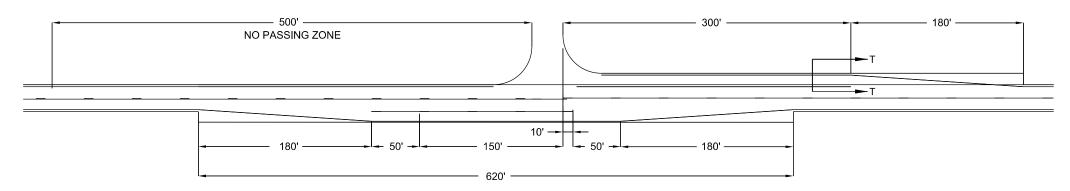
ANOKA COUNTY HIGHWAY DEPT.

21-37-76 COUNTY PROJECT

DETAILS Sheet <u>5</u> of <u>33</u> Sheets

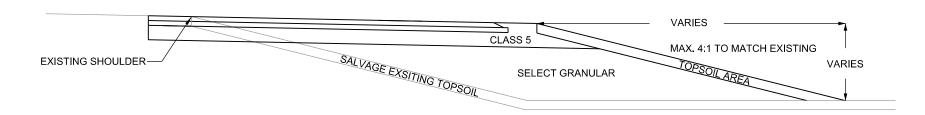
RIGHT TURN AND BYPASS LANE

GENERAL LAYOUT
PLAN VIEW



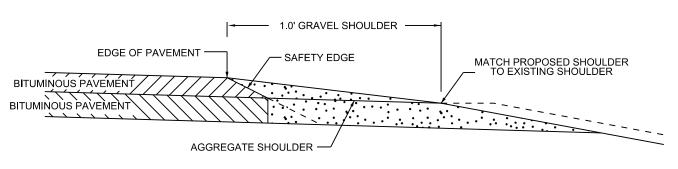
RIGHT TURN AND BYPASS LANE

SECTION T - T



SHOULDER DETAIL

BITUMINOUS SAFETY EDGE GRAVEL SHOULDER



SAFETY EDGE TO BE USED IN ALL NON-CURB AREAS ON SHOULDER.

OPTIONAL DESIGN EXTENDS SAFETY EDGE DEEPER THAN 6" AND WIDER THAN 10.5". SEE SPECIAL PROVISIONS .

	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.	DRAWN BYSRK DATE12/01/2021		ANOKA COUNTY		DETAILS
	PRINT NAME: AARON P. ANDERSON	DESIGN BYSRK DATE12/01/2021				
NO DATE BY CKD APPR REVISION 02/09/2022 1:14:30 PM	SIGNATURE:	CHECKED BY APA DATE 2/9/2022	ANOKA	HIGHWAY DEPT.	COUNTY PROJECT21-37-76	Sheet 6 of 33 Sheets
NAME: P:\(\text{P:}\)22-01-00\(\text{CSAH}_76_(\text{CSAH} 24-TYPO CREEK DR)\)\(\text{Base}\)\(\text{Proposed}\\\ CR 76 \text{ DETAILS&SUPER.dgn}\)	DATE: LICENSE NO58657		COUNTY			

SUPERELEVATION CORRECTION TAB CURVE 1									
STATION	POINT	LEFT GRADE	RIGHT GRADE						
22+00	BEGIN SUPER RT/LT	-2.0%	-2.0%						
22+50		-1.0%	-2.5%						
23+00		0.0%	-3.0%						
23+50		1.0%	-3.5%						
24+00		2.0%	-4.0%						
24+50		3.0%	-4.5%						
25+00		4.0%	-5.0%						
25+50		5.0%	-5.5%						
26+00	BEGIN FULL SUPER RT/LT	6.0%	-6.0%						
26+50		6.0%	-6.0%						
27+00		6.0%	-6.0%						
27+50		6.0%	-6.0%						
28+00		6.0%	-6.0%						
28+50		6.0%	-6.0%						
29+00	END FULL SUPER RT/LT	6.0%	-6.0%						
29+50		6.0%	-6.0%						
30+00		6.0%	-6.0%						
30+50		4.7%	-5.3%						
31+00		3.3%	-4.7%						
31+50		2.0%	-4.0%						
32+00		0.7%	-3.3%						
32+50		-0.7%	-2.7%						
33+00	END SUPER RT/LT	-2.0%	-2.0%						

SUPERELEVATION CORRECTION TAB CURVE 2								
STATION	POINT	LEFT GRADE	RIGHT GRADE					
42+00	BEGIN SUPER RT/LT	-2.0%	-2.0%					
42+50		-2.6%	-0.9%					
43+00		-3.1%	0.3%					
43+50		-3.7%	1.4%					
44+00		-4.3%	2.6%					
44+50		-4.9%	3.7%					
45+00		-5.4%	4.9%					
45+50	BEGIN FULL SUPER RT/LT	-6.0%	6.0%					
46+00		-6.0%	6.0%					
46+50		-6.0%	6.0%					
47+00		-6.0%	6.0%					
47+50	END FULL SUPER RT/LT	-6.0%	6.0%					
48+00		-5.4%	4.9%					
48+50		-4.9%	3.7%					
49+00		-4.3%	2.6%					
49+50		-3.7%	1.4%					
50+00		-3.1%	0.3%					
50+50		-2.6%	-0.9%					
51+00	END SUPER RT/LT	-2.0%	-2.0%					

SUPI	SUPERELEVATION CORRECTION TAB CURVE 3									
STATION	POINT	LEFT GRADE	RIGHT GRADE							
56+00	BEGIN SUPER RT/LT	-2.0%	-2.0%							
56+50		-2.5%	-1.0%							
57+00		-3.0%	0.0%							
57+50		-3.5%	1.0%							
58+00		-4.0%	2.0%							
58+50		-4.5%	3.0%							
59+00		-5.0%	4.0%							
59+50		-5.5%	5.0%							
60+00	BEGIN FULL SUPER RT/LT	-6.0%	6.0%							
60+50		-6.0%	6.0%							
61+00		-6.0%	6.0%							
61+50		-6.0%	6.0%							
62+00		-6.0%	6.0%							
62+50		-6.0%	6.0%							
63+00	END FULL SUPER RT/LT	-6.0%	6.0%							
63+50		-5.5%	5.0%							
64+00		-5.0%	4.0%							
64+50		-4.5%	3.0%							
65+00		-4.0%	2.0%							
65+50		-3.5%	1.0%							
66+00		-3.0%	0.0%							
66+50		-2.5%	-1.0%							
67+00	END SUPER RT/LT	-2.0%	-2.0%							

								I HEREBY CER	TIFY THAT THIS PLA	AN WAS PREPARED	BY ME
										ION AND THAT I AM	
										IEER UNDER THE LA	.WS OF
								THE STATE OF	MINNESOTA.		
								PRINT NAME:	AAE	ON P. ANDERSON	
											•
NO	DATE	BY	CKD	APPR	REVISION	02/09/2022	1:14:30 PM	SIGNATURE:	-		
NAME:	P:\22-01-00\CSAI	1 76 (CSA	H 24-TYPO	CREEK E)R)\Base\Proposed\C	CR 76 DETAILS&SUPER.dgn		DATE:	2/9/2022	LICENSE NO	58657

DRAWN BY ____SRK___ DATE _12/01/2021 DESIGN BY ____SRK___ DATE __12/01/2021 CHECKED BY APA DATE 2/9/2022



ANOKA COUNTY HIGHWAY DEPT.

SUPERELEVATION TABULATION

COUNTY PROJECT _____21-37-76

Sheet 7 of 33 Sheets

	SUPER	RELEVATION CORRE	CTION TAB C	URVE 4 & 5
	STATION	POINT	LEFT GRADE	RIGHT GRADE
	69+50	BEGIN SUPER RT/LT	-2.0%	-2.0%
	70+00		-0.4%	-2.8%
	70+50		1.2%	-3.6%
	71+00		2.8%	-4.4%
4	71+50		4.4%	-5.2%
#	72+00	BEGIN FULL SUPER RT/LT	6.0%	-6.0%
	72+50		6.0%	-6.0%
CURVE	73+00		6.0%	-6.0%
	73+50		6.0%	-6.0%
	74+00		6.0%	-6.0%
	74+50		6.0%	-6.0%
	75+00	END FULL SUPER RT/LT	6.0%	-6.0%
\overline{C}	75+50		6.0%	-6.0%
	76+00		6.0%	-6.0%
	76+50		6.0%	-6.0%
	77+00		6.0%	-6.0%
	77+50		6.0%	-6.0%
	78+00		4.7%	-5.3%
	78+50	END SUPER RT/LT & BEGIN SUPER RT/LT (CURVE 5)	-2.0%	-2.0%
	79+00		-2.6%	-0.9%
	79+50		-3.1%	0.3%
	80+00		-3.7%	1.4%
	80+50		-4.3%	2.6%
	81+00		-4.9%	3.7%
	81+50		-5.4%	4.9%
5	82+00	BEGIN FULL SUPER RT/LT	-6.0%	6.0%
#	82+50		-6.0%	6.0%
1	83+00		-6.0%	6.0%
VE	83+50		-6.0%	6.0%
	84+00		-6.0%	6.0%
~	84+50		-6.0%	6.0%
Щ	85+00		-6.0%	6.0%
CUR	85+50	END FULL SUPER RT/LT	-6.0%	6.0%
()	86+00		-5.4%	4.9%
	86+50		-4.9%	3.7%
	87+00		-4.3%	2.6%
	87+50		-3.7%	1.4%
	88+00		-3.1%	0.3%
	88+50		-2.6%	-0.9%
	89+00	END SUPER RT/LT	-2.0%	-2.0%

	SUPER	RELEVATION CORRE	CTION TAB C	URVE 6 & 7
9	STATION	POINT	LEFT GRADE	RIGHT GRADE
	92+50	BEGIN SUPER RT/LT	-2.0%	-2.0%
#	93+00		-3.0%	0.3%
	93+50		-4.0%	2.7%
Ų.	94+00	BEGIN FULL SUPER RT/LT	-5.0%	5.0%
	94+50		-5.0%	5.0%
	95+00		-5.0%	5.0%
	95+50	END FULL SUPER RT/LT	-5.0%	5.0%
CURVE	96+00		-4.0%	2.7%
\cup	96+50		-3.0%	0.3%
	97+00	END SUPER RT/LT & BEGIN SUPER RT/LT (CURVE 7)	-2.0%	-2.0%
	97+50		-0.3%	-2.8%
/	98+00		1.5%	-3.5%
#	98+50		3.3%	-4.3%
	99+00	BEGIN FULL SUPER RT/LT	5.0%	-5.0%
Ш	99+50		5.0%	-5.0%
	100+00		5.0%	-5.0%
\ \tag{\chi}	100+50	END FULL SUPER RT/LT	5.0%	-5.0%
CURVE	101+00		3.3%	-4.3%
	101+50		1.5%	-3.5%
\cup	102+00		-0.3%	-2.8%
	102+50	END SUPER RT/LT	-2.0%	-2.0%

								I HEREBY CERT	TFY THAT THIS PLA	AN WAS PREPARED B	Y ME
										ION AND THAT I AM A	
										IEER UNDER THE LAV	VS OF
								THE STATE OF	MINNESOTA.		
								PRINT NAME:	AAE	ON P. ANDERSON	
NO	DATE	BY	CKD	APPR	REVISION	02/09/2022	1:14:34 PM	SIGNATURE: _	-		-
NAME: I	P:\22-01-00\CSA	1_76_(CSA	H 24-TYPO	CREEK D	R)\Base\Proposed\C	CR 76 DETAILS&SUPER.dgn		DATE:	2/9/2022	LICENSE NO	58657

DESIGN BY ____SRK___ DATE __12/01/2021 CHECKED BY APA DATE 2/9/2022

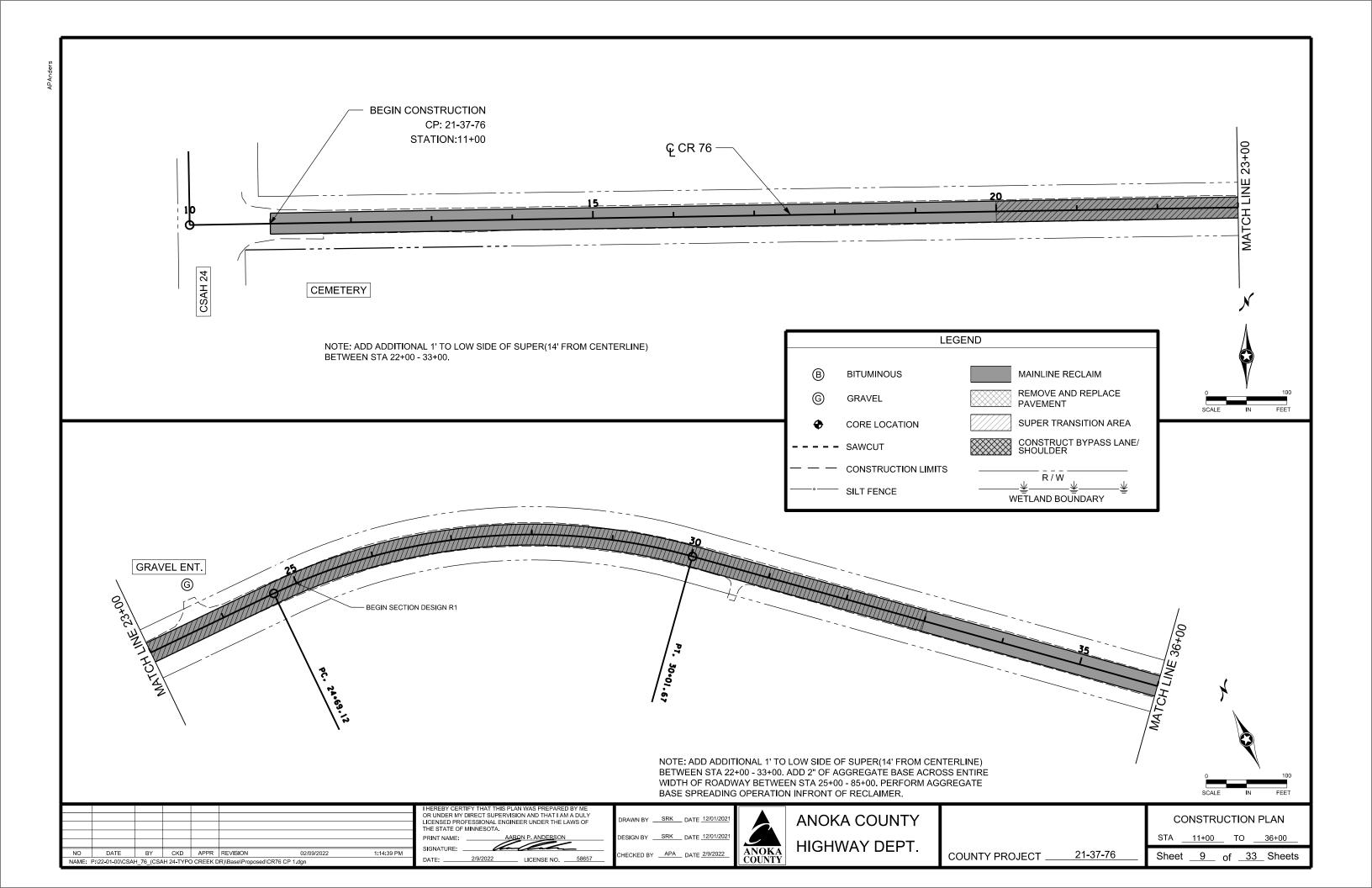


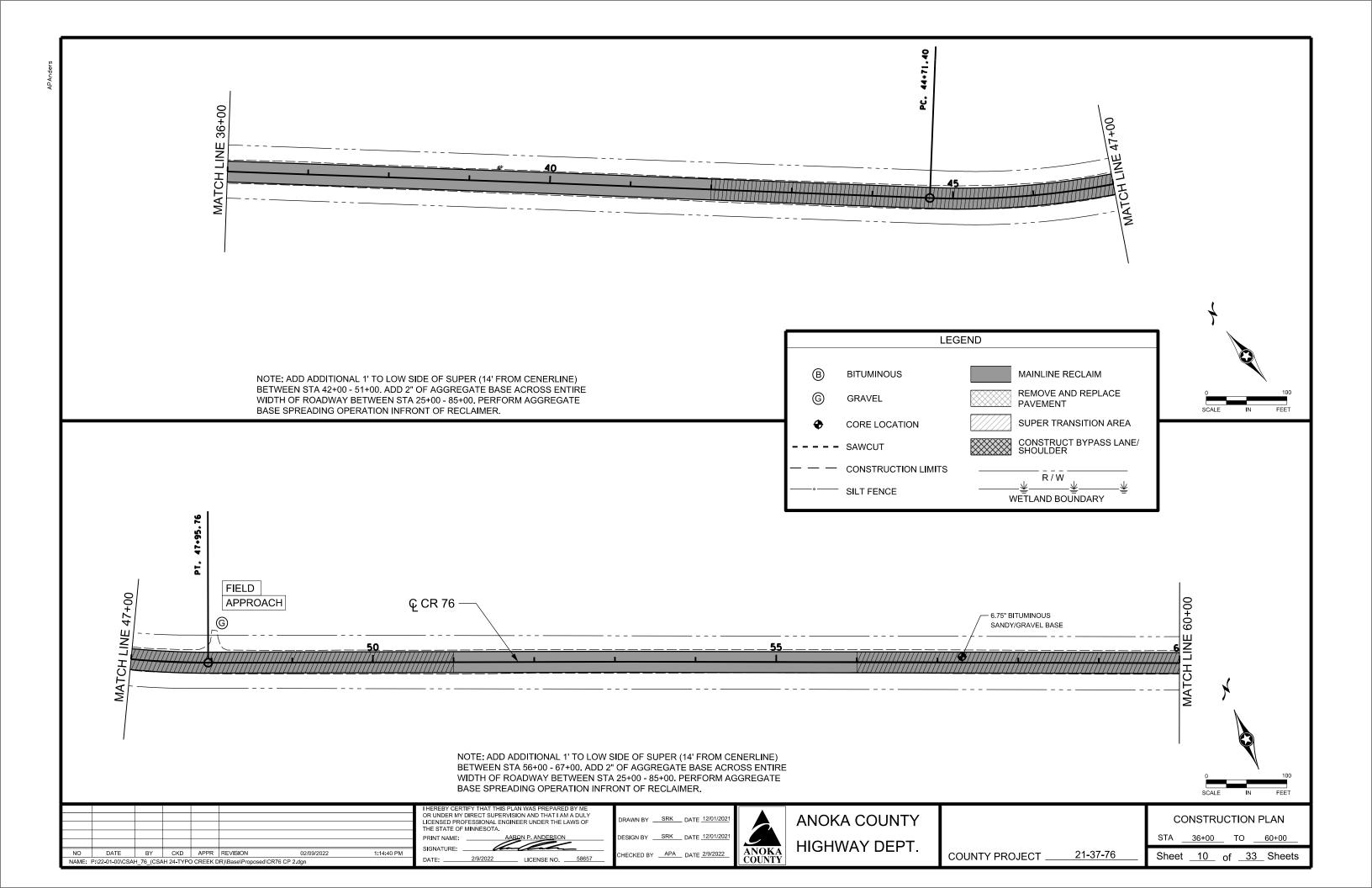
ANOKA COUNTY HIGHWAY DEPT.

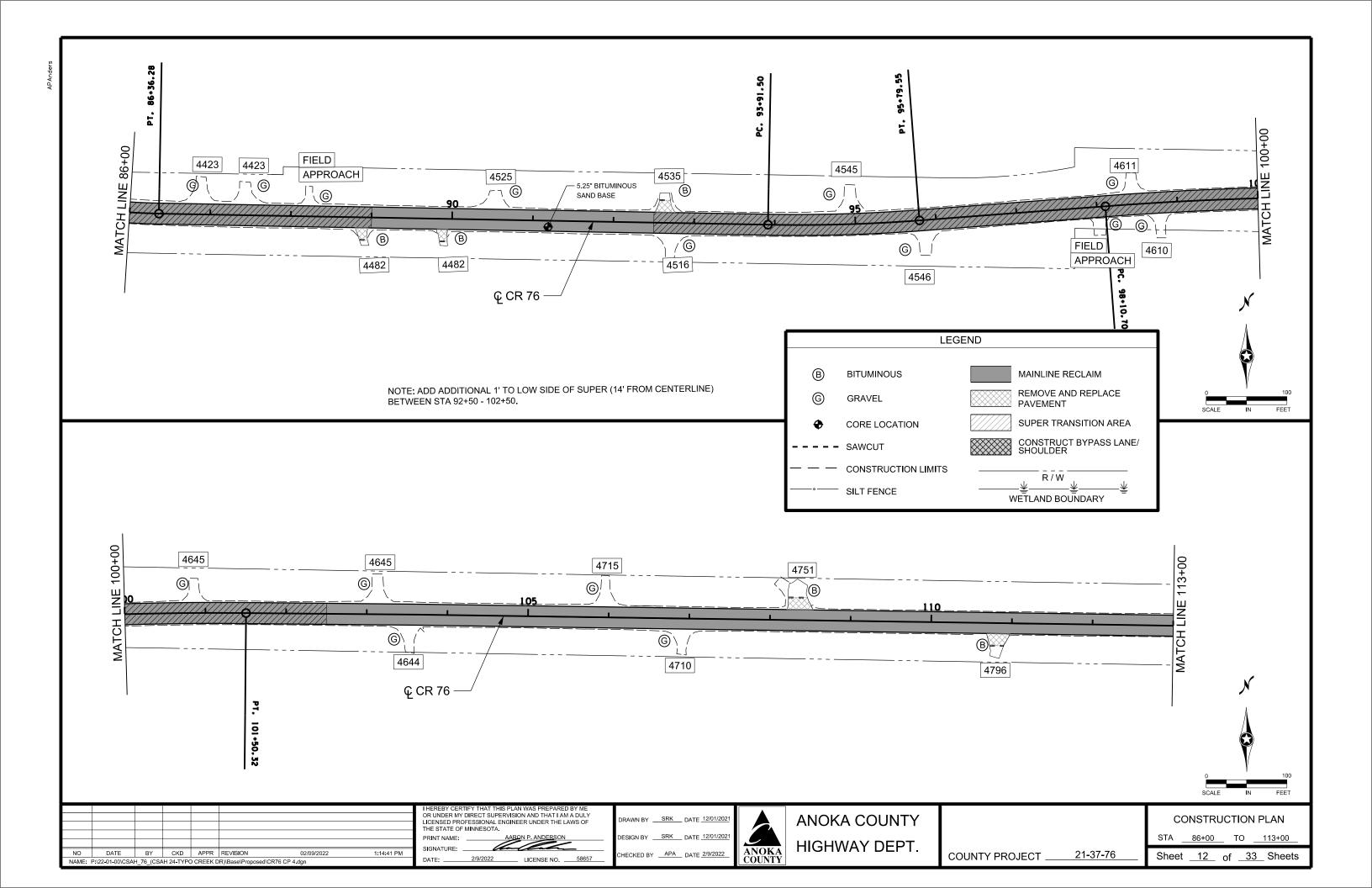
SUPERELEVATION TABULATION

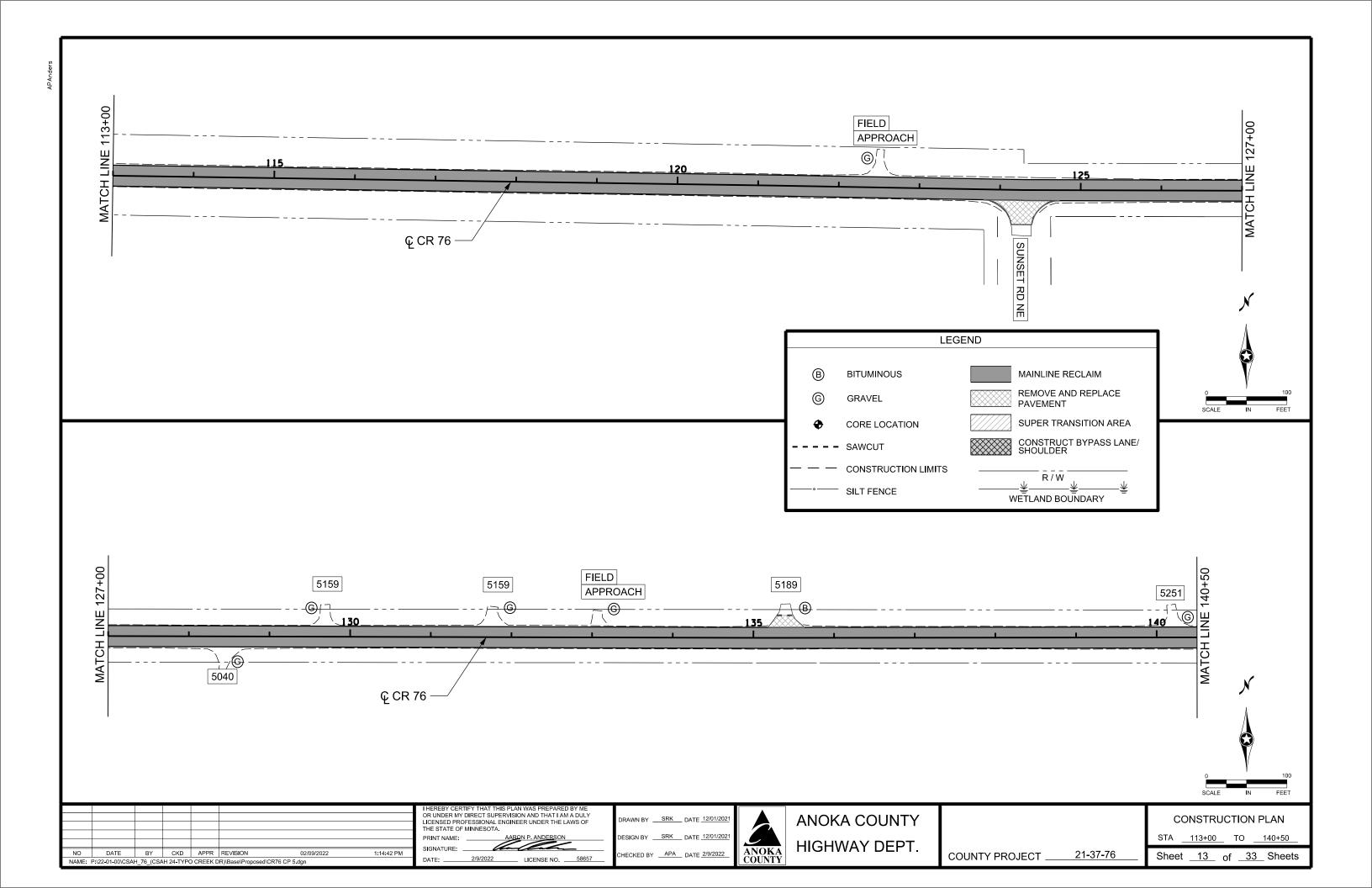
COUNTY PROJECT _____21-37-76

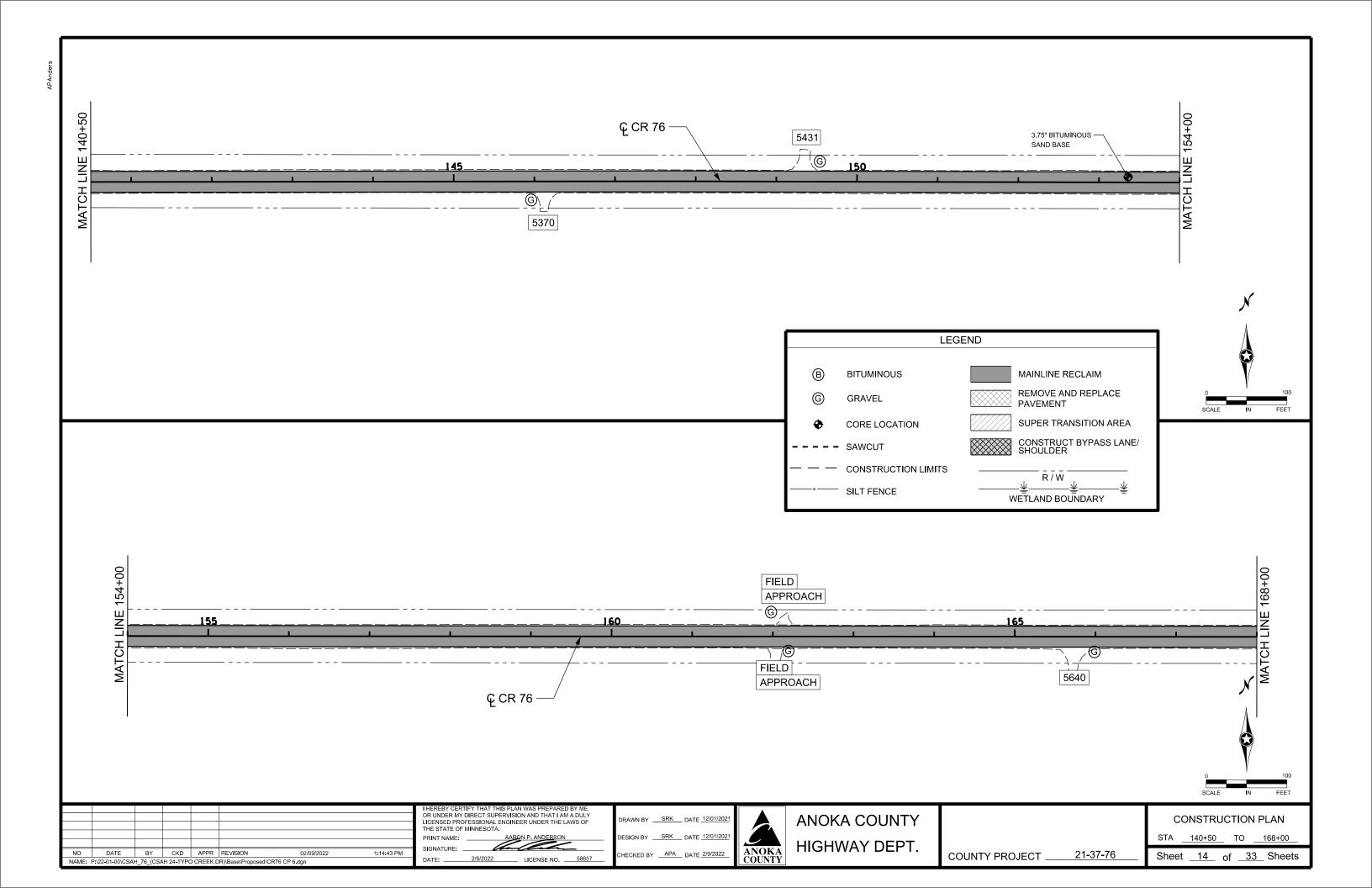
Sheet 8 of 33 Sheets

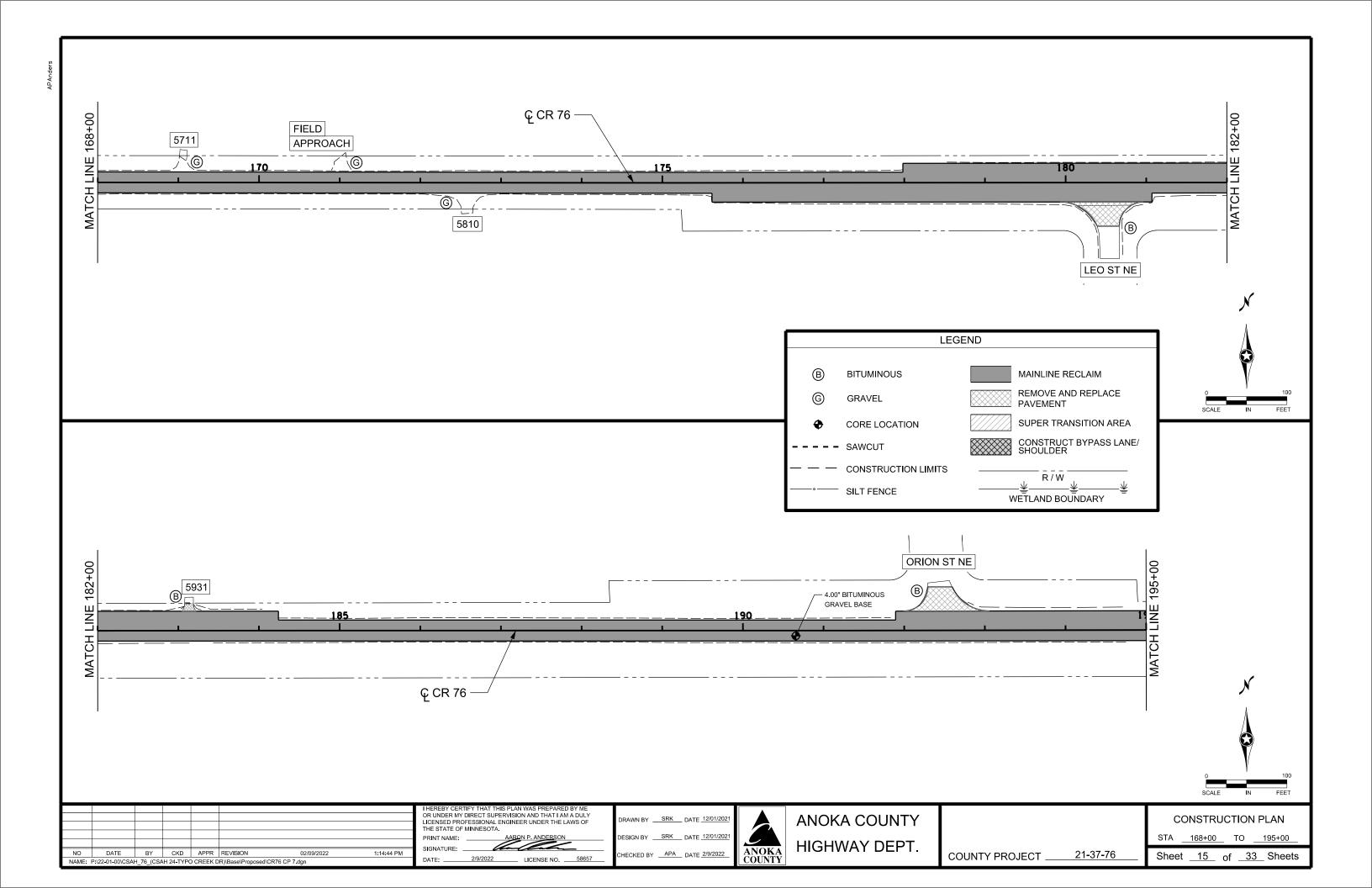


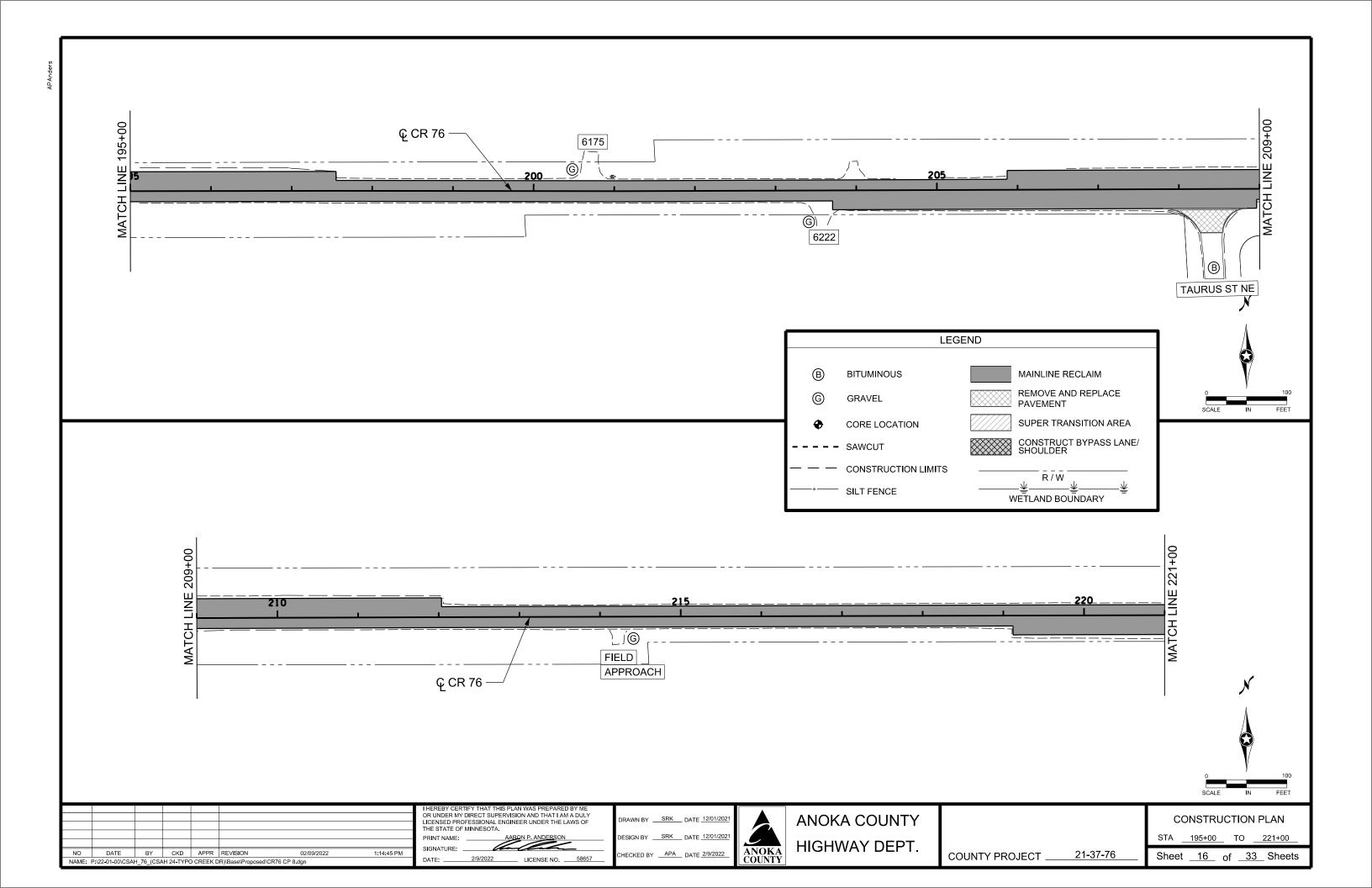


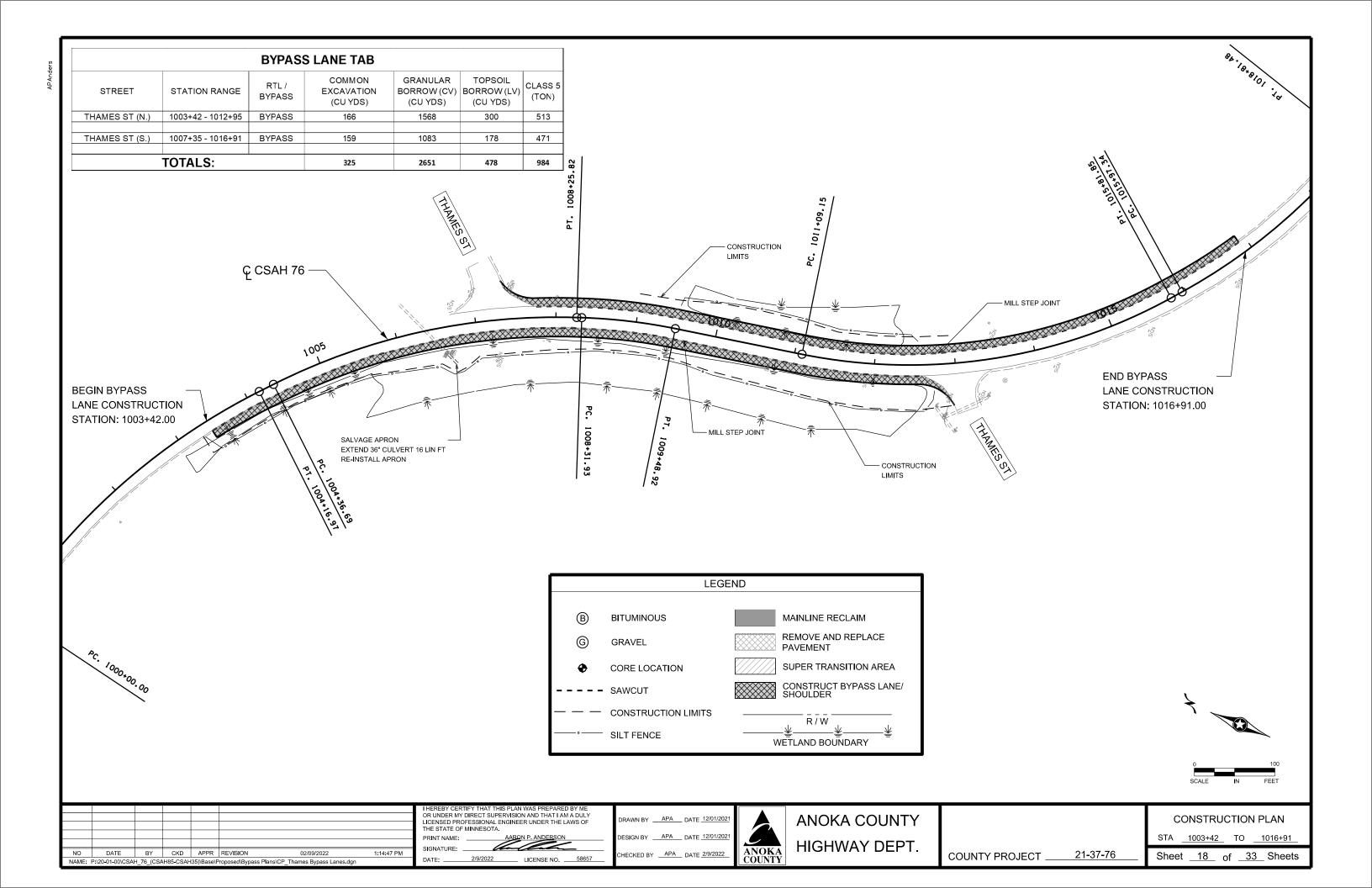












PERMANENT PAVEMENT MARKING PLAN **NOTES AND GUIDELINES**

GENERAL INFORMATION:

THE ENGINEER'S INVOLVEMENT IN THE APPLICATION OF THE MATERIAL SHALL BE LIMITED TO FIELD CONSULTATION AND INSPECTION. ANOKA COUNTY HIGHWAY DEPARTMENT WILL PLACE NECESSARY "SPOTTING" AT APPROPRIATE POINTS TO PROVIDE HORIZONTAL CONTROL FOR STRIPING AND TO DETERMINE NECESSARY STARTING AND CUTOFF POINTS. LONGITUDINAL JOINTS, PAVEMENT EDGES AND EXISTING MARKINGS MAY SERVE AS HORIZONTAL CONTROL WHEN SO DIRECTED.

EDGE LINES AND LANE LINES ARE TO BE BROKEN ONLY AT INTERSECTIONS WITH PUBLIC ROADS AND AT PRIVATE ENTRANCES IF THEY ARE CONTROLLED BY A YIELD SIGN, STOP SIGN OR TRAFFIC SIGNAL. THE BREAK POINT IS TO BE AT THE START OF THE RADIUS FOR THE INTERSECTION OR AT MARKED STOP LINES OR CROSSWALKS.

A TOLERANCE OF \$\frac{1}{4}\$ INCH UNDER OR \$\frac{1}{4}\$ INCH OVER THE SPECIFIED WIDTH WILL BE ALLOWED FOR STRIPING PROVIDED THE VARIATION IS GRADUAL AND DOES NOT DETRACT FROM THE GENERAL APPEARANCE. BROKEN LINE SEGMENTS MAY VARY UP TO ONE-HALF FOOT FROM THE SPECIFIED LENGTHS PROVIDED THE OVER AND UNDER VARIATIONS ARE REASONABLY COMPENSATORY. ALIGNMENT DEVIATIONS FROM THE CONTROL GUIDE SHALL NOT EXCEED 1 INCH. MATERIAL SHALL NOT BE APPLIED OVER LONGITUDINAL JOINTS, ESTABLISHMENT OF APPLICATION TOLERANCES SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLY AS CLOSELY AS PRACTICABLE WITH THE PLANNED DIMENSIONS.

MULTI COMPONENT (MULTI COMP):

THE ROAD SURFACE SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER JUST PRIOR TO APPLICATION. PAVEMENT CLEANING SHALL CONSIST OF AT LEAST BRUSHING WITH A ROTARY BROOM (NON-METALLIC) OR AS RECOMMENDED BY THE MATERIAL MANUFACTURER AND ACCEPTABLE TO THE ENGINEER. NEW PORTLAND CEMENT CONCRETE SURFACES SHALL BE SANDBLAST CLEANED TO REMOVE ANY SURFACE TREATMENT AND/OR LAITANCE ON LOW SPEED (SPEED LIMIT 35 MPH OR LESS) URBAN PORTLAND CEMENT CONCRETE ROADWAYS. SANDBLAST CLEANING SHALL BE USED FOR ALL MULTI COMP PAVEMENT MARKINGS.

THE MULTI COMP MARKING APPLICATION SHALL IMMEDIATELY FOLLOW THE PAVEMENT CLEANING. GLASS BEADS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE MULTI COMP LINE TO PROVIDE AN IMMEDIATE NO-TRACK SYSTEM.

A MULTI COMP LINE SHALL BE APPLIED WITH A MINIMUM THICKNESS OF 20 MILS (WET) AND 4" WIDE . GLASS BEADS SHALL BE APPLIED AT A MINIMUM RATE OF 25LBS POUNDS PER GALLON RATE SUFFICIENT TO ACHIEVE AN ACCEPTABLE NO-TRACK SYSTEM.

OPERATIONS SHALL BE CONDUCTED ONLY WHEN THE ROAD PAVEMENT SURFACE. TEMPERATURES ARE 50 DEGREES FAHRENHEIT OR GREATER.

PERMANENT PAVEMENT MARKINGS SHALL NOT BE PLACED OVER TEMPORARY TAPE MARKINGS.

NAME: P:\22-01-00\CSAH 76 (CSAH 24-Typo Creek Dr)\Base\Traffic\Perm Pvmt Mrkg Guide Notes 2021.dwg

PREFORMED THERMOPLASTIC:

THE PREFORMED THERMOPLASTIC MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS ON CLEAN AND DRY SURFACES. SEE SPECIAL PROVISIONS FOR PREFORMED THERMOPLASTIC MARKING SPECIFICATIONS.

AT THE TIME OF APPLYING THE MARKING MATERIAL, THE APPLICATION AREA SHALL BE FREE OF CONTAMINATION. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE PRIOR TO THE LINE APPLICAITON IN A MANNER AND TO THE EXTENT REQUIRED BY THE ENGINEER.

GLASS BEADS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE PAINT

EXCEPT WHEN USED AS A TEMPORARY MARKING, PAVEMENT MARKINGS SHALL ONLY BE APPLIED IN SEASONABLE WEATHER WHEN AIR TEMPERATURE IS 50 DEGREES FARHENHEIT OR HIGHER AND SHALL NOT BE APPLIED WHEN THE WIND OR OTHER CONDITIONS CAUSE A FILD OR DUST TO BE DEPOSITED ON THE PAVEMENT SURFACE AFTER CLEANING AND BEFORE THE MARKING MATERIAL CAN BE APPLIED.

THE FILLING OF TANKS, POURING OF MATERIALS OR CLEANING OF EQUIPMENT SHALL NOT BE PERFORMED ON UNPROTECTED PAVEMENT SURFACES UNLESS ADEQUATE PROVISIONS ARE MADE TO PREVENT SPILLAGE OF MATERIAL.

PAVEMENT MARKING TABULATION								
ITEM UNIT TOTAL QUANTITY								
4" SOLID LINE WHITE - MULTI COMP	LIN FT	48958						
1 8" DOTTED LINE WHITE - MULTICOMP	LINFT	180						
2 4" BROKEN LINE YELLOW - MULTICOMP	LINFT	2480						
4" SOLID LINE YELLOW - MULTICOMP	LINFT	3060						
4" SOLID DOUBLE LINE YELLOW - MULTICOMP	LIN FT	11574						

- 1 3' STRIPE 12' GAP
- 2 10' STRIPE, 40' GAP

SYMBOLS & MATERIALS LEGEND

CROSSWALK BLOCK WHITE - POLY PREFORM

PAVEMENT MESSAGE (LEFT ARROW) POLY PREFORM

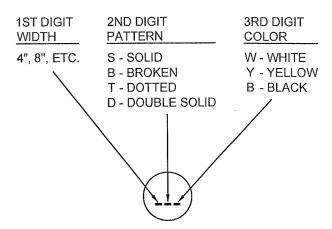
STRIPING KEY

CIRCLE - MULTI COMP

TRIANGLE - PAINT

SQUARE - POLY PREFORM THERMOPLASTIC

PENTAGON - REMOVABLE PREFORMED PLASTIC MARKING



EXAMPLE: (4SW) = SOLID LINE WHITE - MULTI COMP

BROKEN LINE - 50' CYCLE (10' LINE, 40' GAP)

DOTTED LINE - 15' CYCLE (3' LINE, 12' GAP) UNLESS SHOWN OTHERWISE IN THE PLAN

					the state of the s	
						I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DI
						SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER U
						THE LAWS OF THE STATE OF MINNESOTA.
		***************************************				PRINT NAME: SEAN R. THIEL DATE: 2
10	DATE	BY	CKD	APPR	REVISION	PRINT IVANIE: SEAN R. THIEL DATE:
ME:	P:\22-01-00\0	SAH 76	(CSAH 2	4-Typo Cr	eek Dr)\Base\Traffic\Perm Pymt Mrkg Guide Notes 2021.dwg	SIGNATURE: LICENSE NO. 4

UNDER 1122

LICENSE NO. 45129

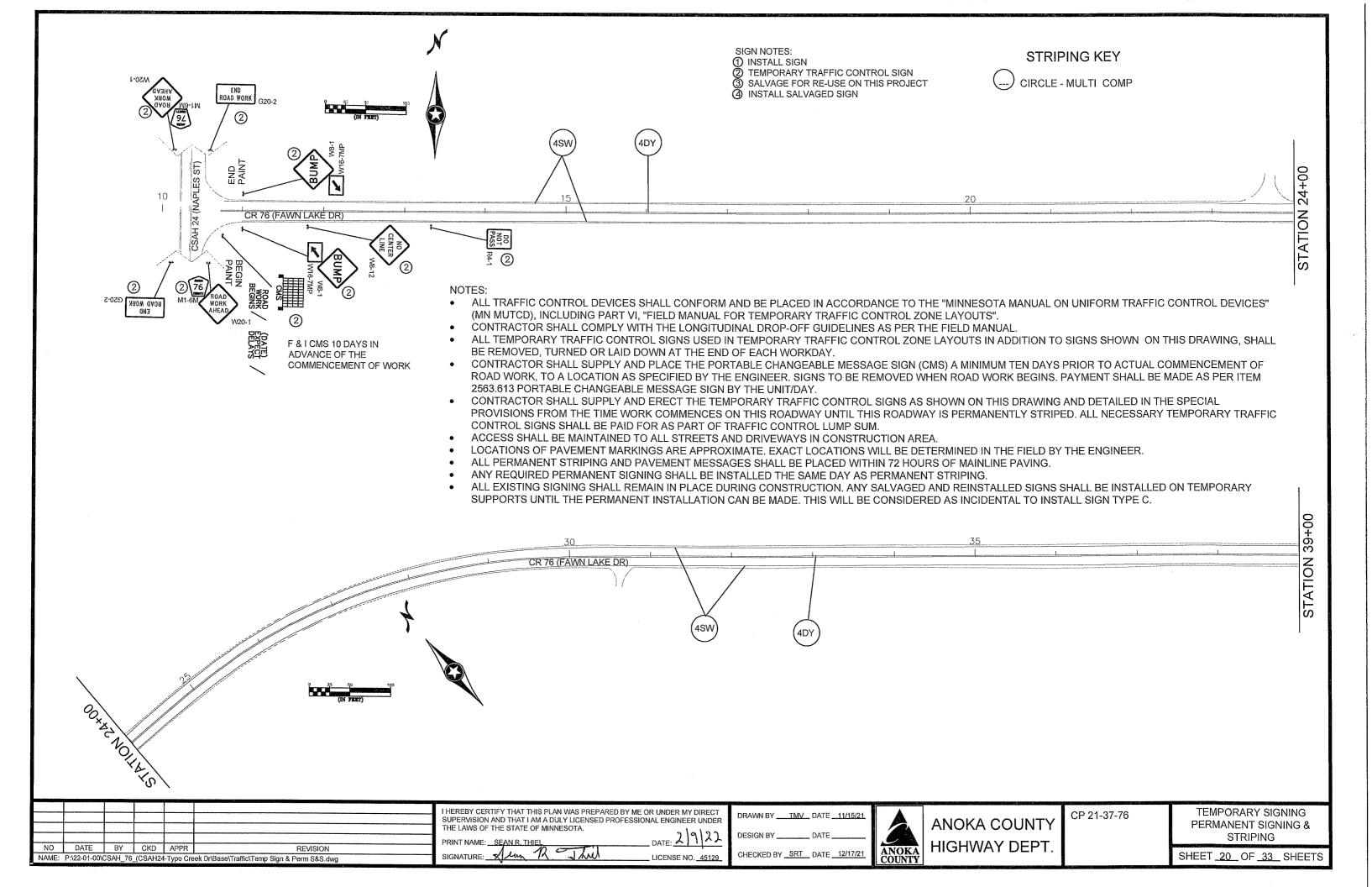
DRAWN BY ____TMV__ DATE __11/15/21 CHECKED BY SRT DATE 12/17/21

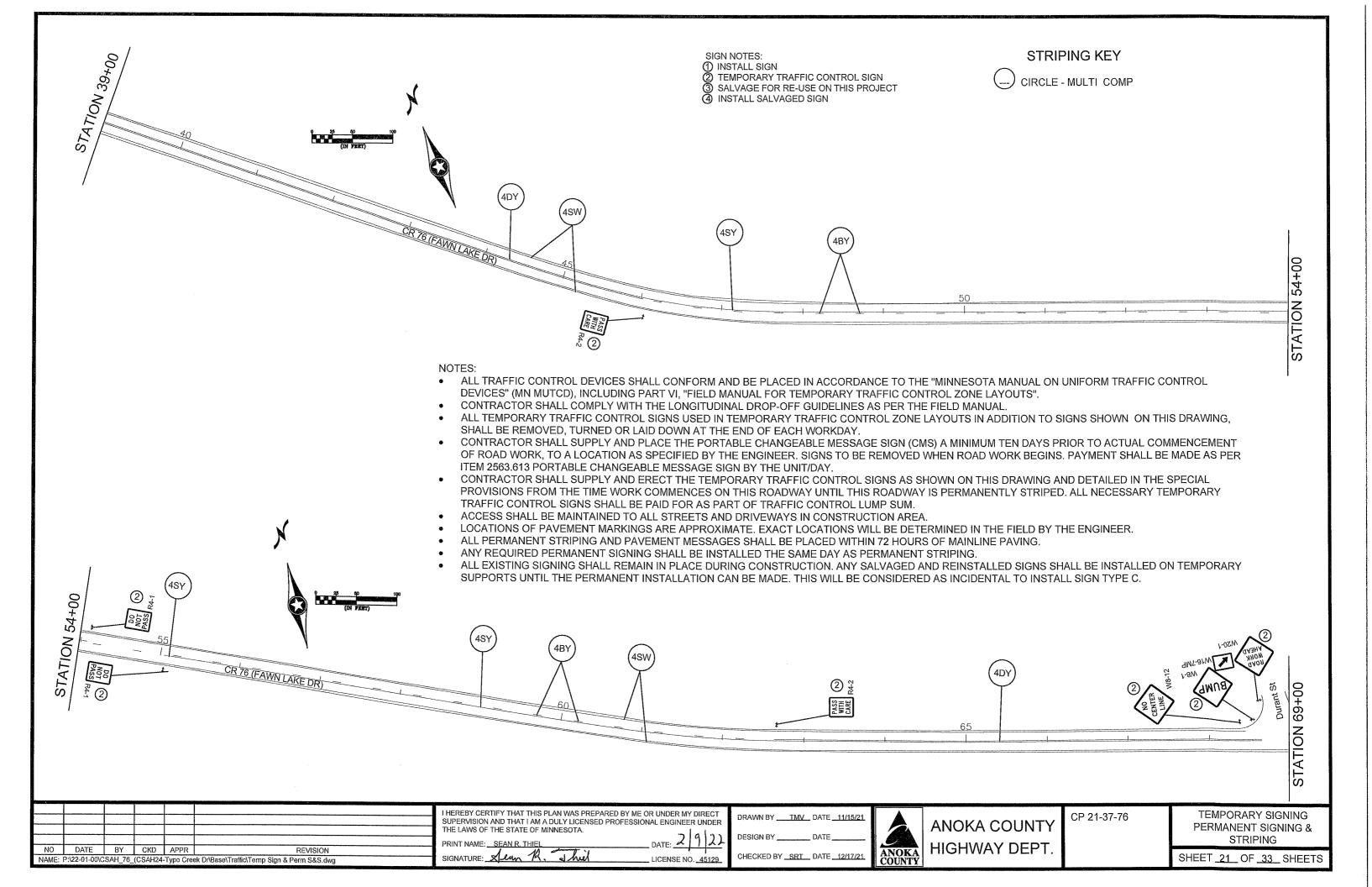
ANOKA COUNTY HIGHWAY DEPT.

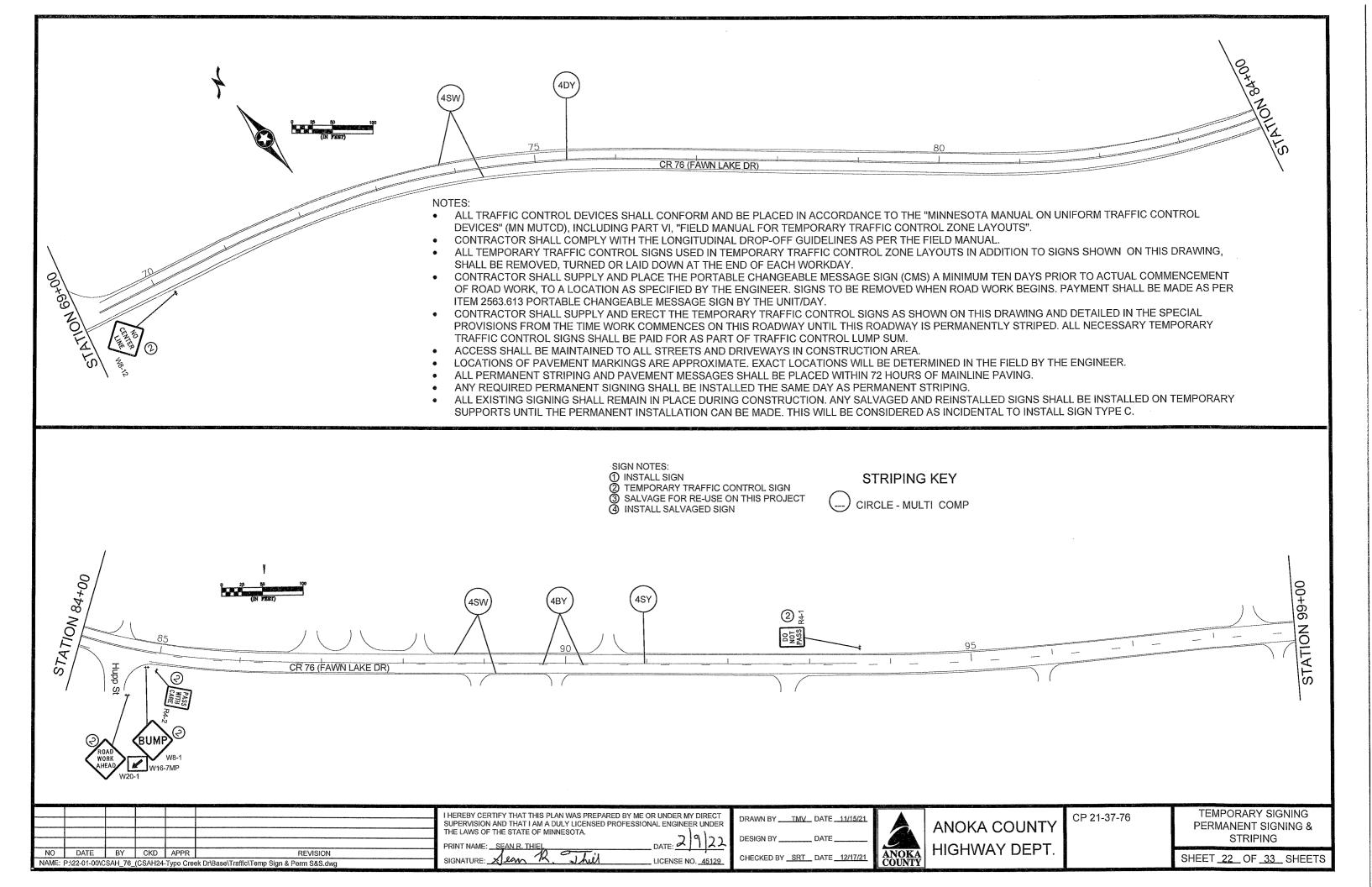
CP 21-37-76

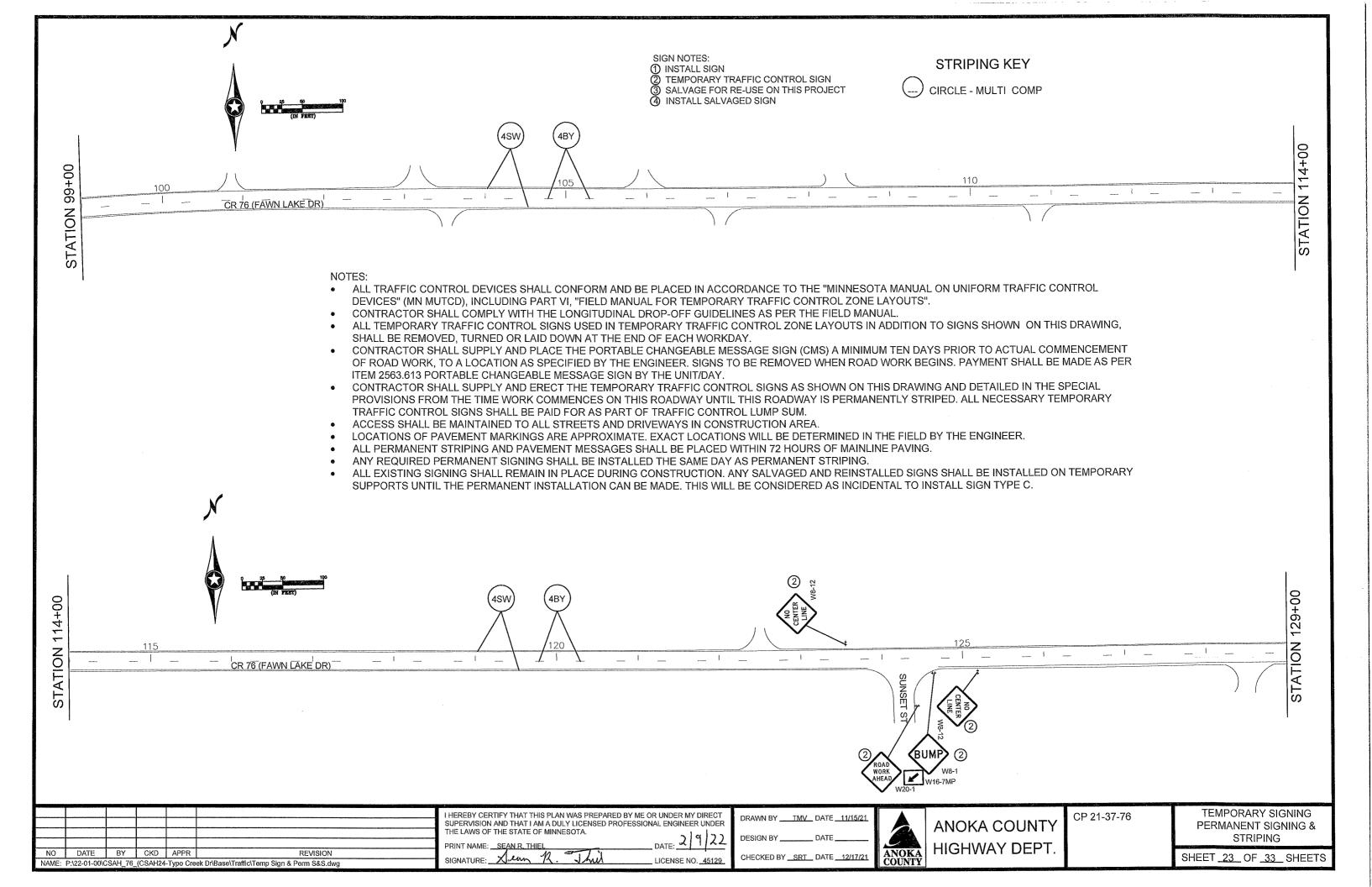
PERMANENT MARKING **TABULATION**

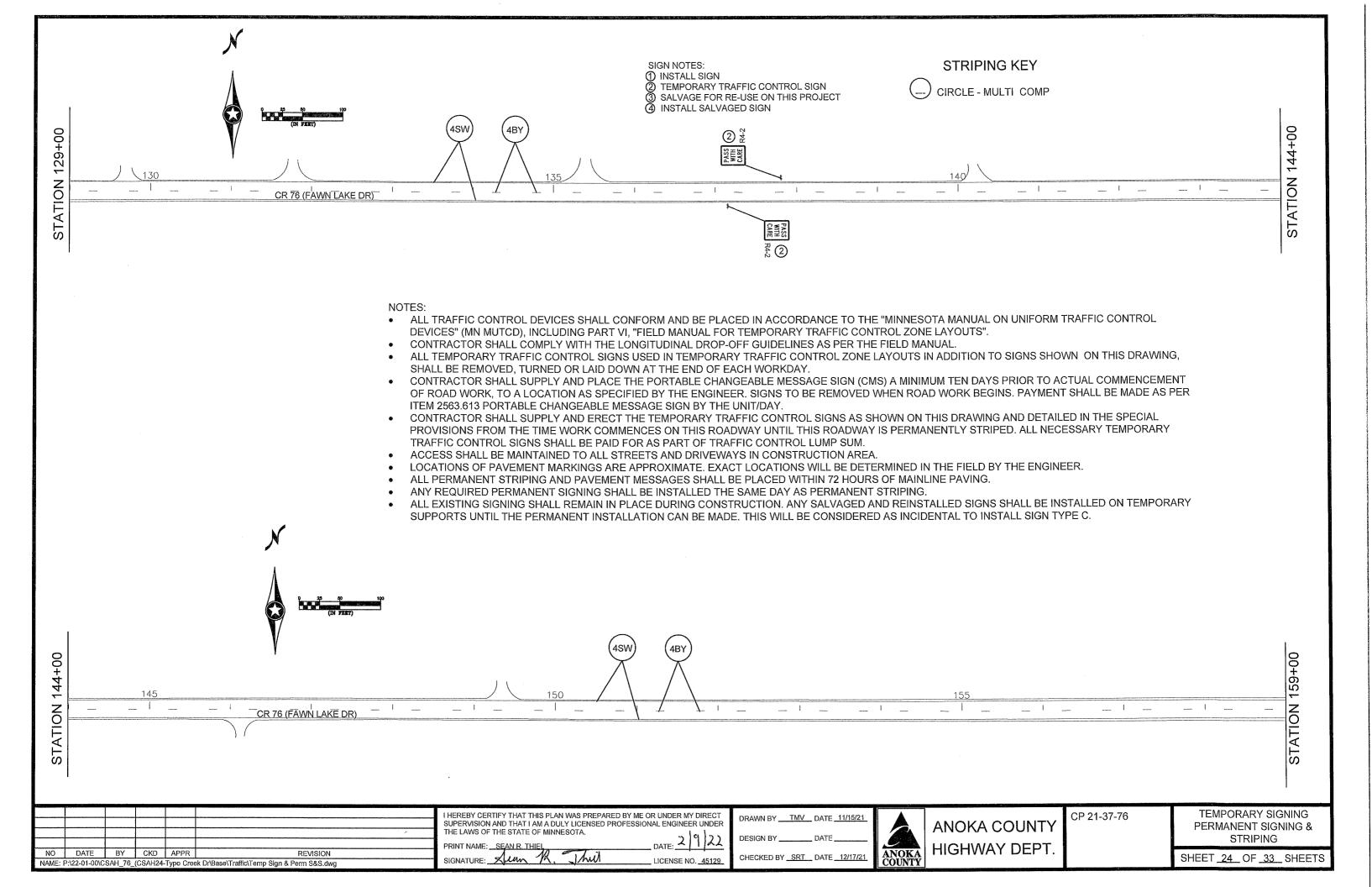
SHEET 19 OF 33 SHEETS

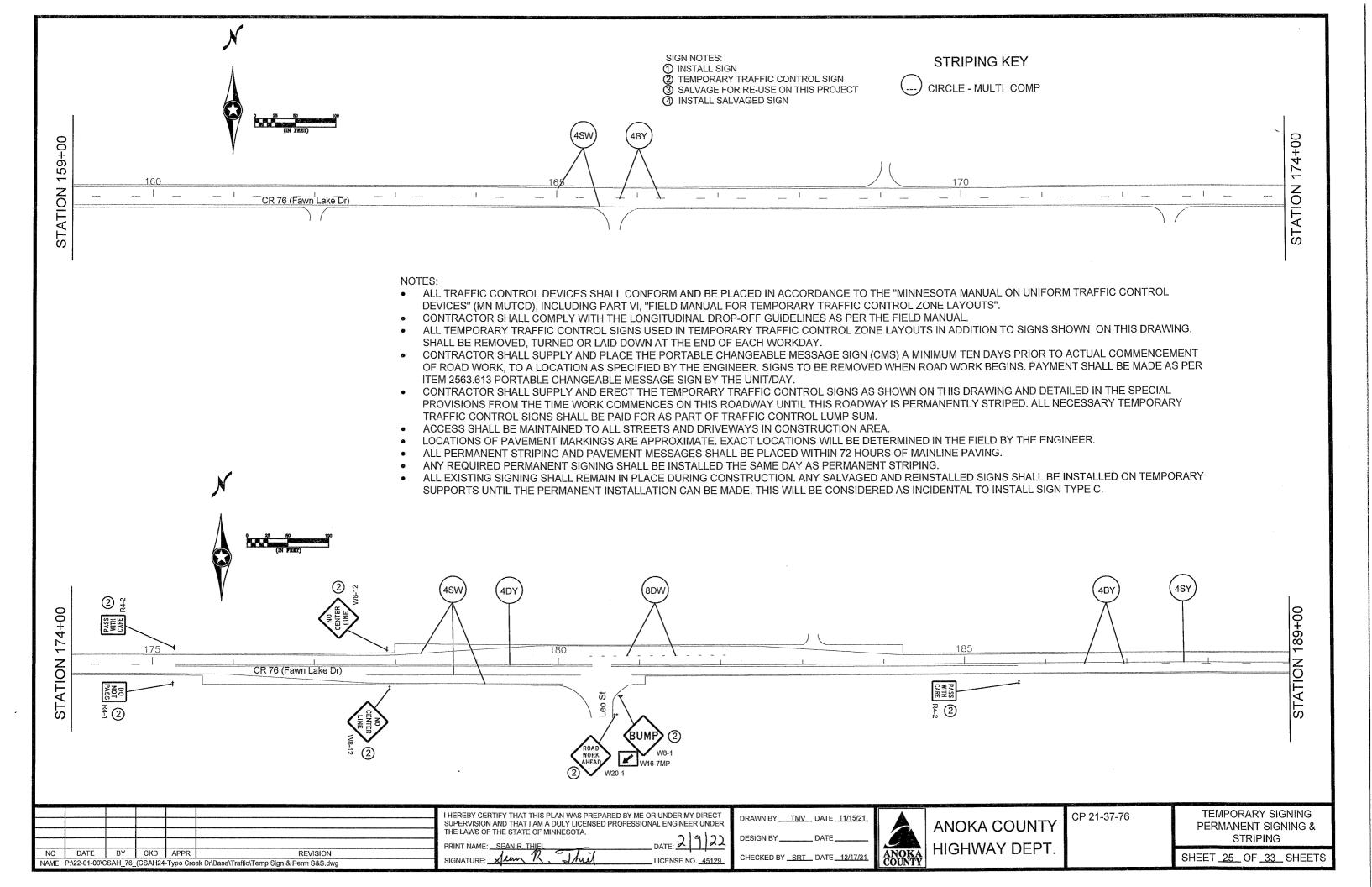


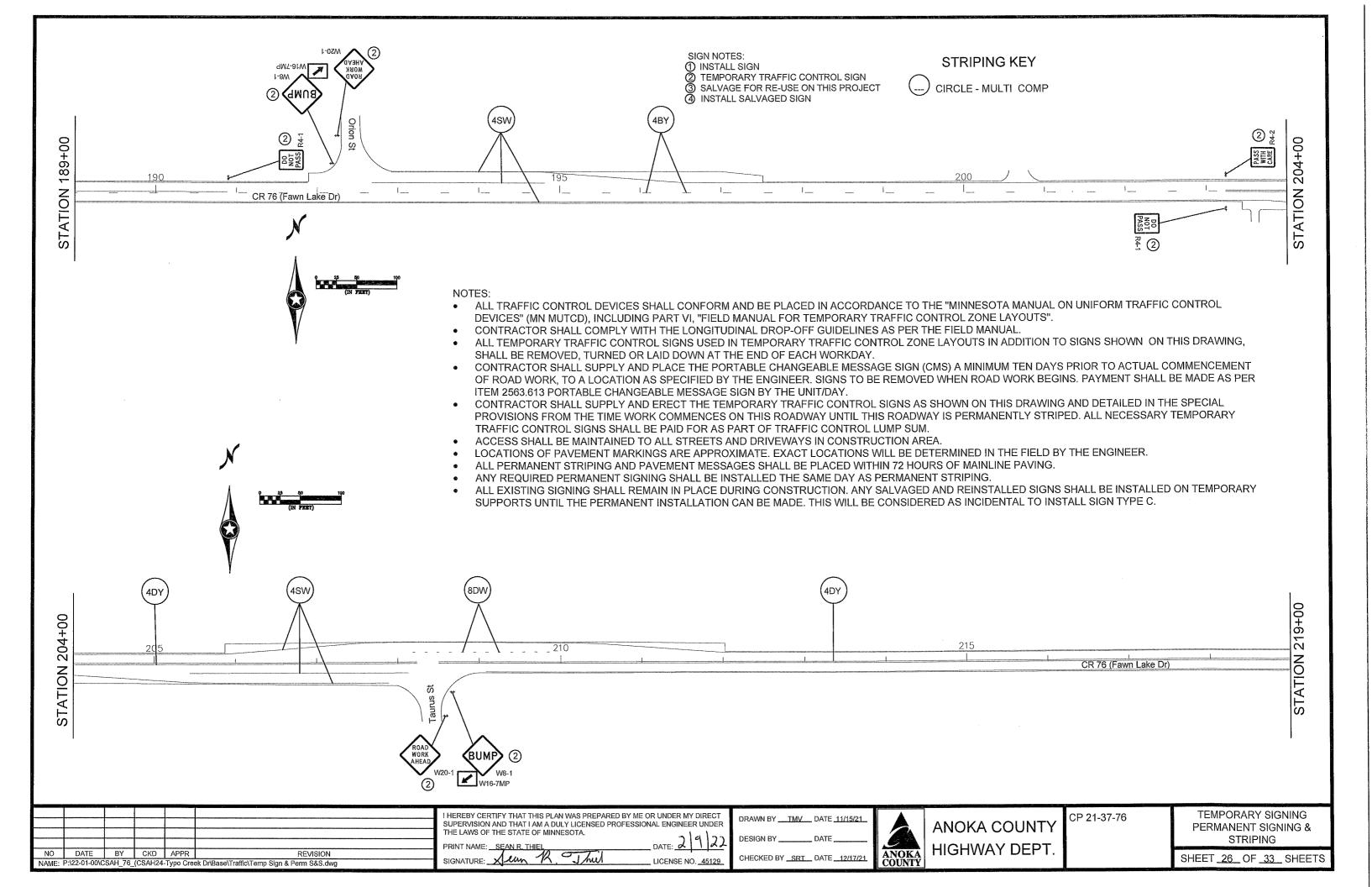


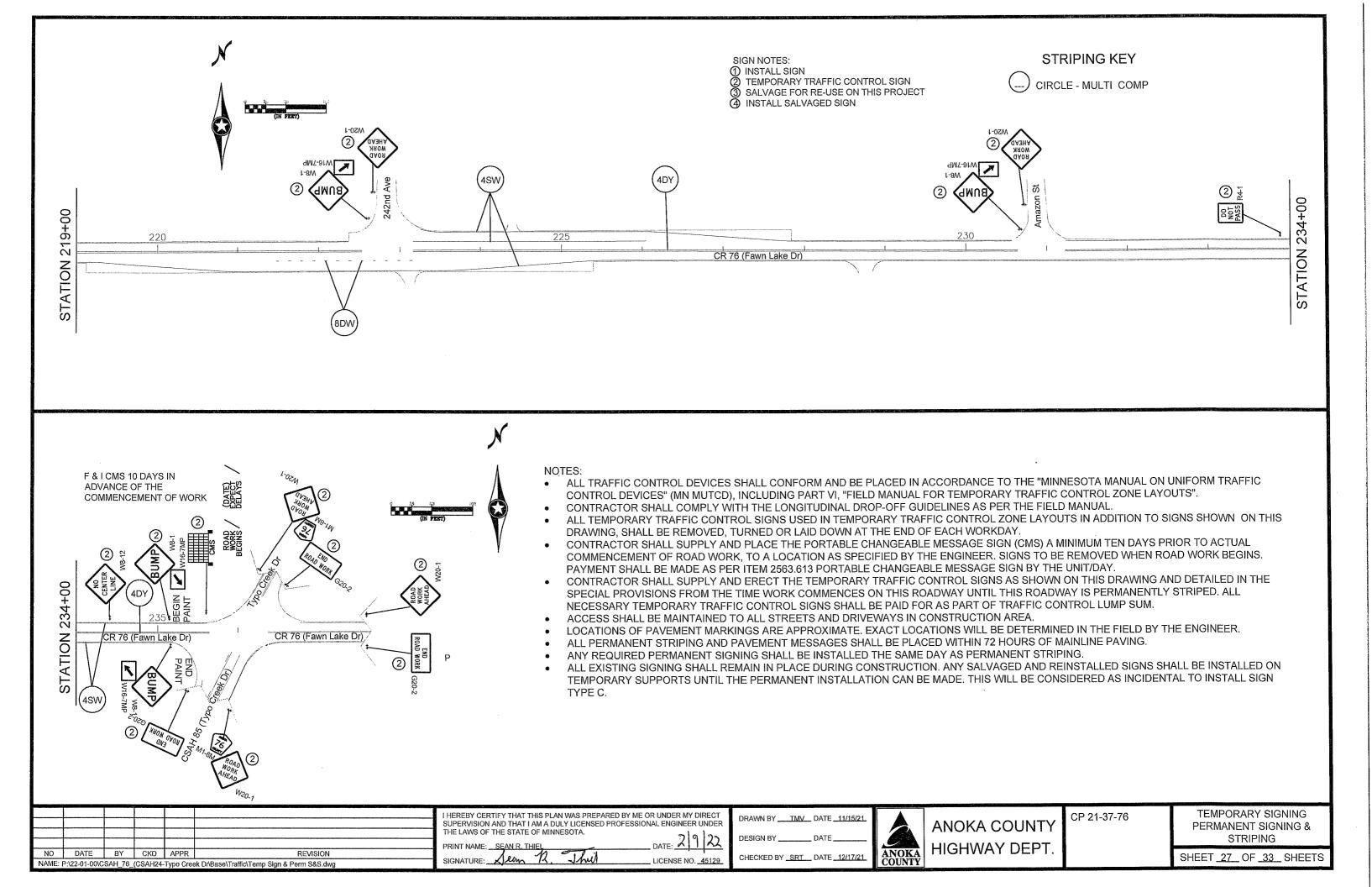


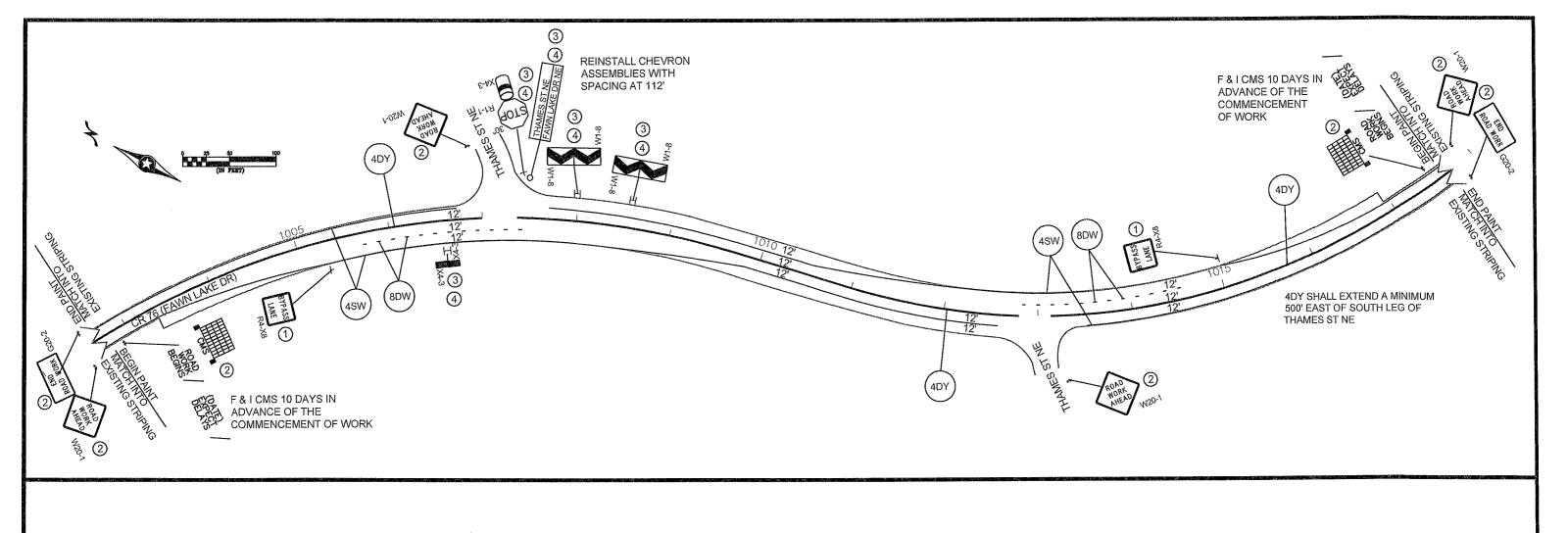












SIGN NOTES:

1 INSTALL SIGN

TEMPORARY TRAFFIC CONTROL SIGN

③ SALVAGE FOR RE-USE ON THIS PROJECT ④ INSTALL SALVAGED SIGN

STRIPING KEY

--) CIRCLE - MULTI COMP

NOTES:

- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE PLACED IN ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD), INCLUDING PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".
- CONTRACTOR SHALL COMPLY WITH THE LONGITUDINAL DROP-OFF GUIDELINES AS PER THE FIELD MANUAL.
- ALL TEMPORARY TRAFFIC CONTROL SIGNS USED IN TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS IN ADDITION TO SIGNS SHOWN ON THIS DRAWING, SHALL BE REMOVED, TURNED OR LAID DOWN AT THE END OF EACH WORKDAY.
- CONTRACTOR SHALL SUPPLY AND PLACE THE PORTABLE CHANGEABLE MESSAGE SIGN (CMS) A MINIMUM TEN DAYS PRIOR TO ACTUAL COMMENCEMENT
 OF ROAD WORK, TO A LOCATION AS SPECIFIED BY THE ENGINEER. SIGNS TO BE REMOVED WHEN ROAD WORK BEGINS. PAYMENT SHALL BE MADE AS PER
 ITEM 2563.613 PORTABLE CHANGEABLE MESSAGE SIGN BY THE UNIT/DAY.
- CONTRACTOR SHALL SUPPLY AND ERECT THE TEMPORARY TRAFFIC CONTROL SIGNS AS SHOWN ON THIS DRAWING AND DETAILED IN THE SPECIAL PROVISIONS FROM THE TIME WORK COMMENCES ON THIS ROADWAY UNTIL THIS ROADWAY IS PERMANENTLY STRIPED. ALL NECESSARY TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE PAID FOR AS PART OF TRAFFIC CONTROL LUMP SUM.
- ACCESS SHALL BE MAINTAINED TO ALL STREETS AND DRIVEWAYS IN CONSTRUCTION AREA.
- LOCATIONS OF PAVEMENT MARKINGS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ALL PERMANENT STRIPING AND PAVEMENT MESSAGES SHALL BE PLACED WITHIN 72 HOURS OF MAINLINE PAVING.
- ANY REQUIRED PERMANENT SIGNING SHALL BE INSTALLED THE SAME DAY AS PERMANENT STRIPING.
- ALL EXISTING SIGNING SHALL REMAIN IN PLACE DURING CONSTRUCTION. ANY SALVAGED AND REINSTALLED SIGNS SHALL BE INSTALLED ON TEMPORARY SUPPORTS UNTIL THE PERMANENT INSTALLATION CAN BE MADE. THIS WILL BE CONSIDERED AS INCIDENTAL TO INSTALL SIGN TYPE C.

***************************************	***************************************		***************************************			SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER	DRAWN BY TMV DATE 1
						THE LAWS OF THE STATE OF MINNESOTA.	DESIGN BY DATE
						PRINT NAME: SEAN R. THIEL DATE: 2 1 1 22	DESIGN BT
NO	DATE	BY	CKD	APPR	REVISION	h sil	CHECKED BY SRT DATE 1
NAM	: P:\22-01-00\0	SAH_76_	(CSAH24	-Typo Cre	ek Dr\Base\Traffic\Temp Sign & Perm S&S Thames Bypass.dwg	SIGNATURE: XILIM 14, S/MUI LICENSE NO. 45129	OTTO TELE ET AMERICANIA ET TELE



CP 21-37-76

TEMPORARY SIGNING PERMANENT SIGNING & STRIPING

SHEET 28 OF 33 SHEETS

_	TEMI	PORARY TRAFFIC	C CONTROL SIG	GNS
17.75 17.75 20.75		LE SAN	t turns	
W8-12	48" x 48"	NO CENTER LINE	8	
R4-1	24" x 30"	DO NOT PASS	8	
R4-2	24" x 30"	PASS WITH CARE	8	
G20-2	36" x 18"	END ROAD WORK	7	
W8-1	48" x 48"	ВимР	12	
W16-7P	30" x 18"		12	
W3-4	48" x 48"	BE PREPARED TO STOP	AS NEEDED	
W8-1	48" x 48"	BUMP	AS NEEDED	
W8-8	48" x 48"	ROUGH	AS NEEDED	r

IS	7 /	TEM	IPORARY TRAFFIC	CONTROL SIG	NS
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		L'ESSM.	Tulman	
	W8-9	48" x 48"	LOW	AS NEEDED	
	W8-11	48" x 48"	UNEVEN	AS NEEDED	
	W8-23	48" x 48"	NO SHOULDER	AS NEEDED	
	M!-6M W20-1		76 COMMOT ROAD WORK AHEAD	4 AS NEEDED (ESTIMATED 17)	
	W20-4	48" x 48"	ONE LANE ROAD ANEAD	AS NEEDED	
	W20-7	48" x 48"	(1)	AS NEEDED	
		CTORIZED JNDABLE [AS NEEDED (ESTIMATED 10)	
	minimu actual o work.	gn to be pla m of ten da commencen Signs to be oad work be	ys prior to nent of road removed CMS	4 AT 10 DAYS EA	

	ercence to develope the entire th	F 8	k I SIGN	PANELS			
M.U.T.C.D.				PANEL AREA	TOTAL AREA	MOUNTING POST PER INSTALLATION	MOUNTING HEIGHT To pavement
CODE	SIZE	INSERT	QUANTITY	SQ. FT.	SQ. FT.		edge
R4-X8	30" x 30"	BYPASS Lane	2	6.25	12.50	1	7.0'
		PROJECT	TOTAL SC) FT	12.50		

	EXISTING SIGN TAB									
STATION	ADDRESS/ DESCRIPTION	SALVAGE SIGN	REINSTALL SALVAGE SIGN	SIGN NUMBER	SIGN LEGEND					
	(NOTES)	EACH	EACH							
1006+62	RT	1	1	X4-3	CULVERT MKR					
1007.40	LT	1	1	R1-1	STOP					
1007+40				X4-3	DELINEATOR					
1007+45	LT	1	1		STREET SIGN					
4000.00		4		W1-8	CHEVRON					
1008+00	LT	1	1	W1-8	CHEVRON					
		4	4	W1-8	CHEVRON					
1009+12	LT	1		W1-8	CHEVRON					
	TOTAL	5	5							

CHANGEABLE MESSAGE BOARD - MESSAGE SEQUENCE LAYOUT

		R	0	Α	D		
		W	0	R	K		
	В	Е	G	l	N	S	

:	<	D	Α	Т	E	^	
	Е	Х	Р	Е	C	Т	
	D	E	L	Α	Υ	S	

CMS SIGN TO BE PLACED MINIMUM OF TEN DAYS PRIOR TO ACTUAL COMMENCEMENT OF ROA WORK. SIGNS TO BE REMOVED WHEN ROAD WORK BEGINS.

NO	DATE	BY	CKD	APPR	REVISION	
NAME: F	NAME: P:\22-01-00\CSAH_76_(CSAH24-Typo Creek Dr\Base\Traffic\Temp Sign & Perm S&S.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.

NAME: SEAN R. THIEL DATE:

DATE: 2 9 22 DESIGN BY _____ DATE _____
LICENSE NO. 45129 CHECKED BY _SRT_ DATE _12/17/21

DRAWN BY ______ DATE _____

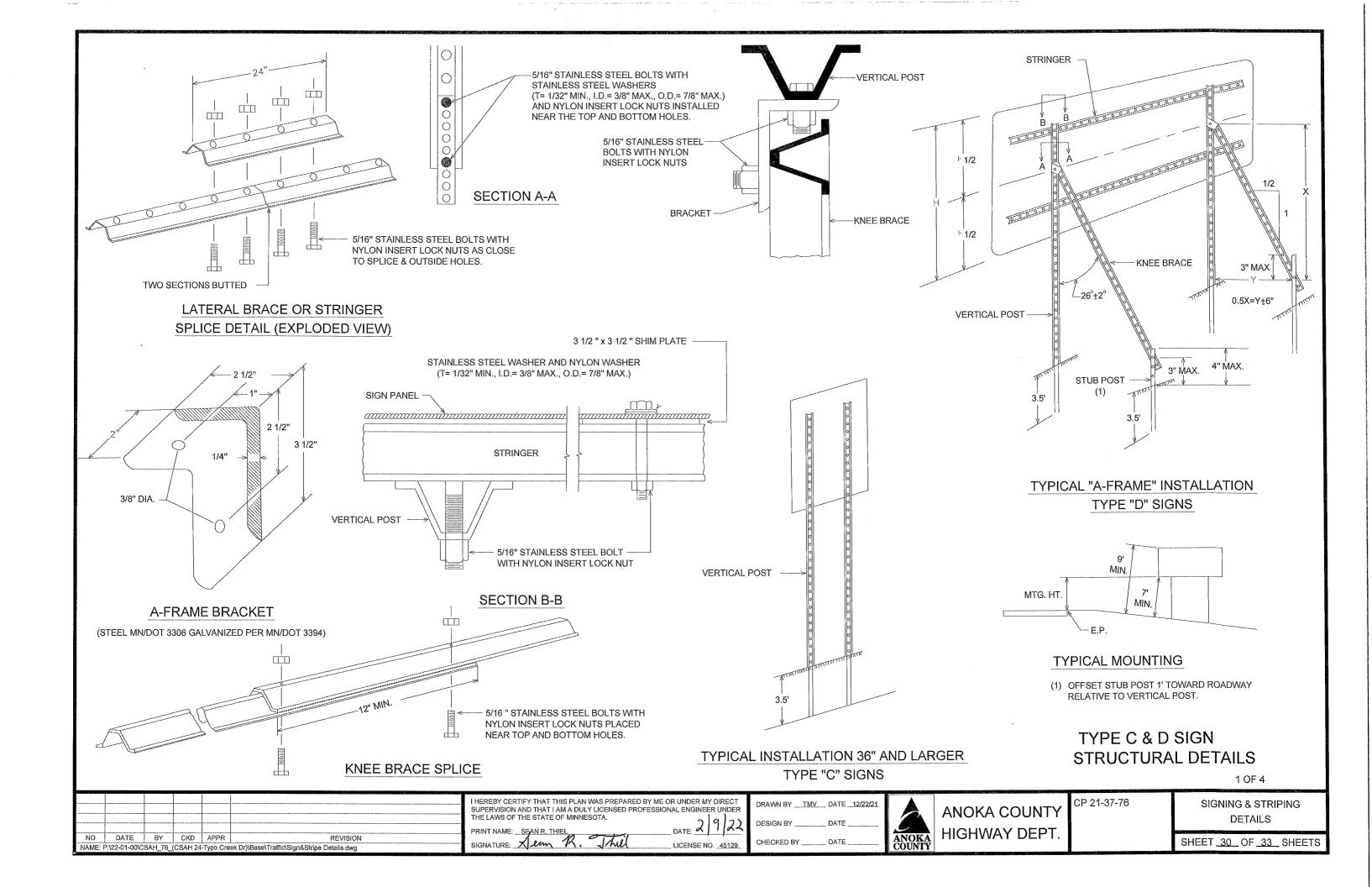
DESIGN BY _____ DATE _____

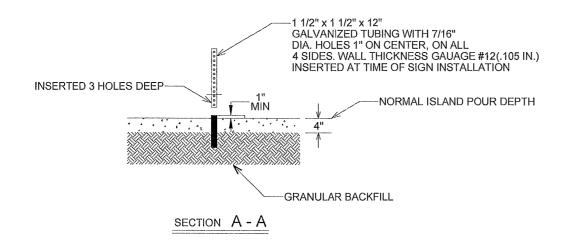
ANOKA COUNTY
HIGHWAY DEPT.

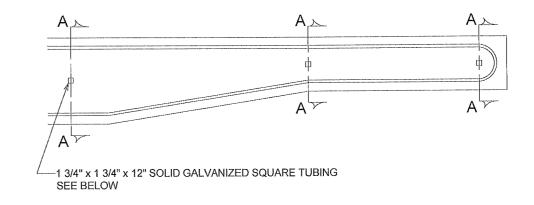
CP 21-37-76

TEMPORARY SIGNING & PERMANENT SIGNING QUANTITIES

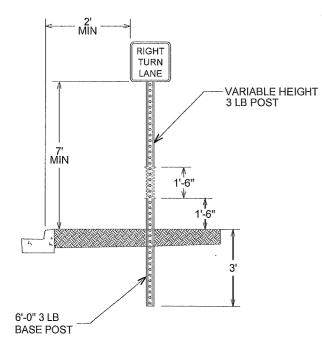
SHEET 29 OF 33 SHEETS



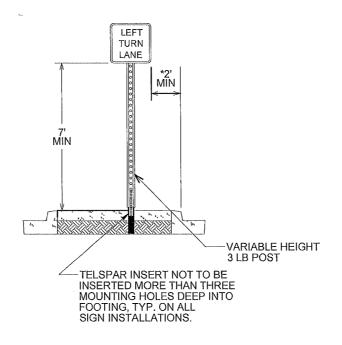




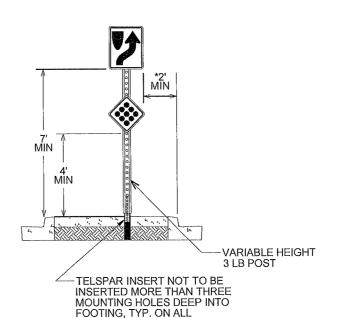




ISLAND MOUNT BREAK-AWAY SIGN INSTALLATION TYPICAL



ISLAND MOUNT BREAK-AWAY SIGN SIGN INSTALLATION TYPICAL KEEP RIGHT/CLUSTER



*1' MIN FOR NARROW URBAN LOCATIONS

INSTALLATION NEAR SIDEWALK (MN MUTCD)

The minimum height, measured vertically from the bottom of the sign to the sidewalk, of signs installed above sidewalks shall be 7 feet. If the bottom of a secondary sign that is mounted below another sign is mounted lower than 7 feet above a pedestrian sidewalk or pathway, the secondary sign shall not project more than 4 inches into the pedestrian facility.

2 OF 4

| I HEREBY (
| SUPERVIS |
| THE LAWS |
| NO DATE BY CKD APPR | REVISION |
| NAME: P:\22-01-00\CSAH_76_(CSAH 24-Typo Creek Dr)\Base\Traffic\Sign&Stripe Details.dwg |
| SIGNATUR

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.

PRINT NAME: SEAN B. THIE!

DATE: 219122

ONAL ENGINEER UNDER

DATE: 2 9 22 DESIGN BY

LICENSE NO. 45129 CHECKED B

DRAWN BY ______ DATE _______ DATE _______ CHECKED BY ______ DATE ______ CO

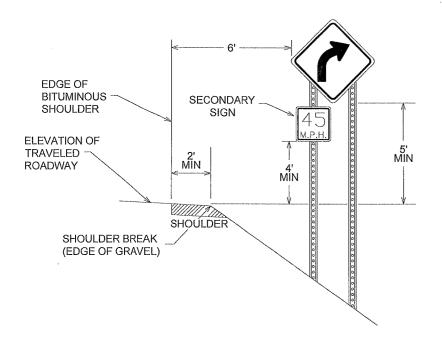
SIGN INSTALLATIONS.

ANOKA COUNTY HIGHWAY DEPT. CP 21-37-76

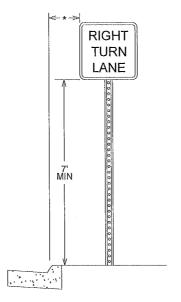
SIGNING & STRIPING DETAILS

SHEET 31 OF 33 SHEETS

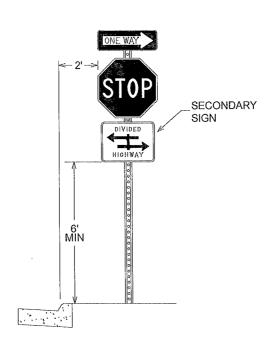
TYPICAL SIGN PLACEMENT (RURAL)

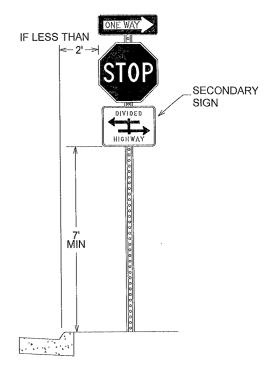


TYPICAL SIGN PLACEMENT (URBAN)

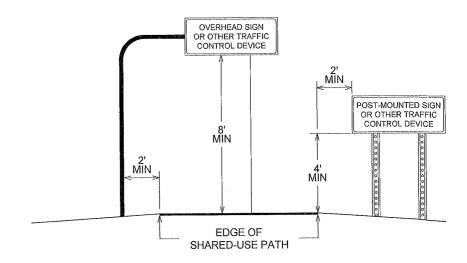


*2' - NARROW BOULEVARD (≤ 8' WIDE) 6' - WIDE BOULEVARD





TYPICAL SIGN PLACEMENT SHARED-USE PATH



- ALL DIMENSIONS ARE MINIMUMS
- -MAINTAIN A DISTANCE OF 2' BETWEEN
- SIGNS AND BITUMINOUS TRAIL
- SIGN AND BITUMINOUS TRAIL CANNOT BE MAINTAINED

-7' SIGN CLEARANCE IF A 2' DISTANCE BETWEEN

DATE BY CKD APPR REVISION NAME: P:\22-01-00\CSAH_76_(CSAH_24-Typo Creek Dr)\Base\Traffic\Sign&Stripe Details.dwg

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.

LICENSE NO. 45129

PRINT NAME: SEAN R. THIEL SIGNATURE: Sem R. Thul DRAWN BY __TMV __ DATE __12/22/21 DESIGN BY CHECKED BY ____ DATE_

ANOKA COUNTY HIGHWAY DEPT. CP 21-37-76

SIGNING & STRIPING **DETAILS**

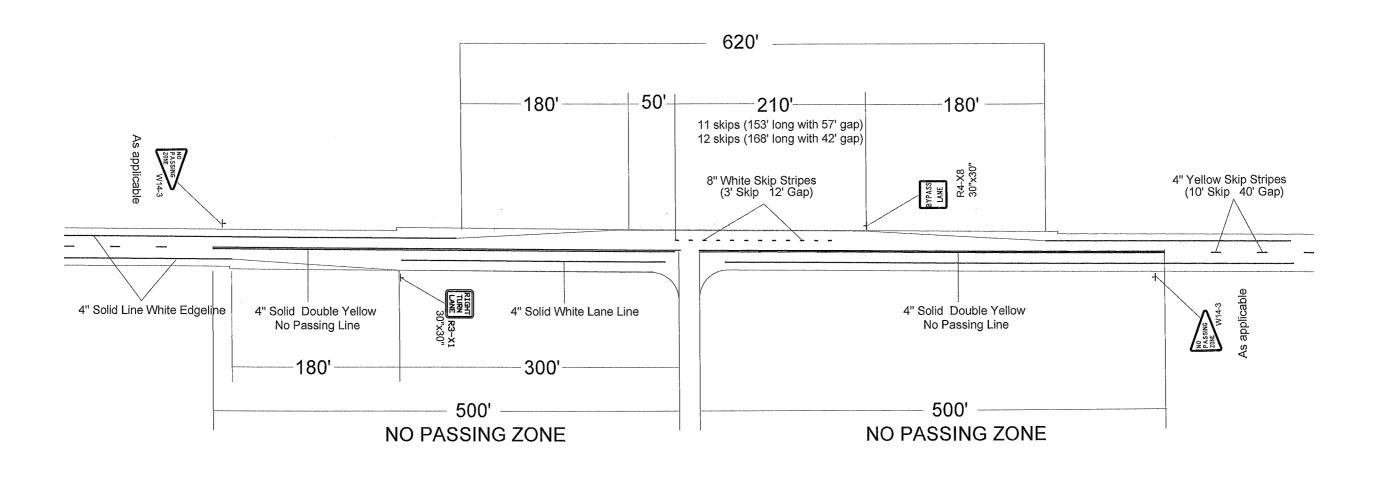
SHEET 32 OF 33 SHEETS

3 OF 4

A.C.H.D.

BY-PASS TYPICAL

REVISED 10.8.18



4 OF 4

NO DATE BY CKD APPR REVISION NAME: P:\22-01-00\CSAH_76_(CSAH 24-Typo Creek Dr)\Base\Traffic\Sign&Stripe Details.dwg PRINT NAME: SEAN R. THIEL DATE: 2 9 22 DATE: 2 9 9 DATE: 2 9 22 DATE: 2 9 22 DATE: 2 9 22 DATE							I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRE SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNI THE LAWS OF THE STATE OF MINNESOTA.	
							PRINT NAME: SEAN R. THIEL DATE: 2 9	22
NAME: P:\22-01-00\CSAH_76_(CSAH 24-Typo Creek Dr)\Base\Traffic\Sign&Stripe Details.dwg SIGNATURE: \(\sum_{\sum_{\colored}} \sum_{\colored} \su	NO	DATE	BY	CKD	APPR	REVISION	1. 10 0,7:1	
	NAME:P	:\22-01-00\C	SAH_76_(CSAH 24-	Typo Cree	k Dr)\Base\Traffic\Sign&Stripe Details.dwg	SIGNATURE: XILIM / , J/MM LICENSE NO. 451	129_

 DRAWN BY _______ DATE _______

 DESIGN BY _______ DATE _______

 CHECKED BY _______ DATE _______

ANOKA COUNTY
HIGHWAY DEPT.

CP 21-37-76

SIGNING & STRIPING DETAILS

SHEET 33 OF 33 SHEETS