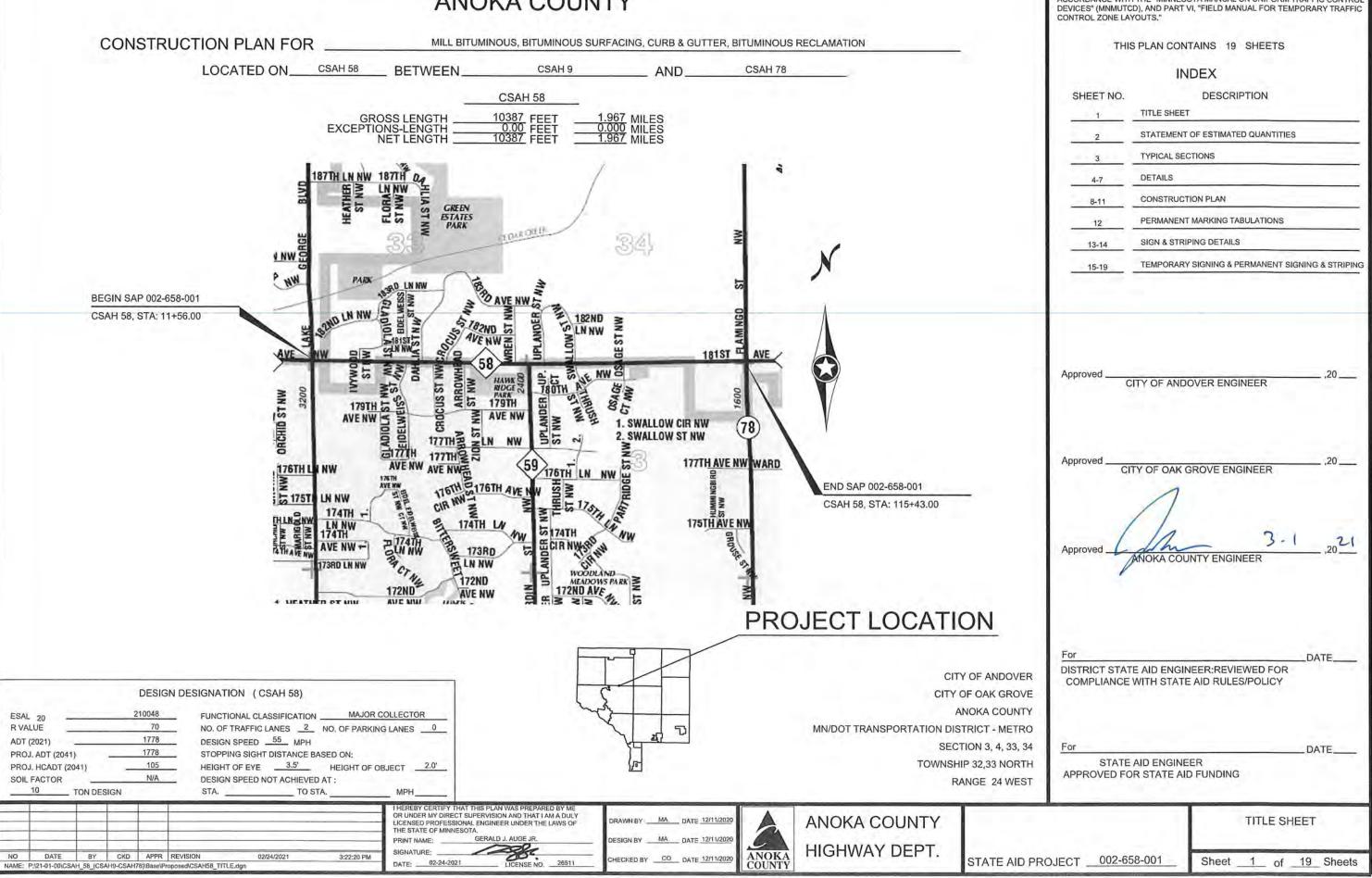
MINNESOTA DEPARTMENT OF TRANSPORTATION ANOKA COUNTY



GOVERNING SPECIFICATIONS

THE 2018 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

	STATEMENT OF ESTIMATED QUANTITIES							
Notes	ltem Number	ITEM DESCRIPTION	Unit	TOTAL PROJECT QUANTITIES ESTIMATED				
	2021.501	MOBILIZATION	LUMP SUM	1				
	2104.502	SALVAGE SIGN PANEL TYPE C	EACH	1				
1	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	16				
2	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	523				
	2104.503	REMOVE PIPE CULVERTS	LIN FT	66				
3	2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	35				
4	2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	391				
	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	1271				
17	2105.602	CONSTRUCT TURN LANES	EACH	3				
5	2123.510	MOTOR GRADER	HOUR	12				
	2130.523	WATER	M GALLON	229				
7	2211.509	AGGREGATE BASE CLASS 5	TON	162				
	2215.504	FULL DEPTH RECLAMATION	SQ YD	32667				
	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	60				
6	2221.509	SHOULDER BASE AGGREGATE CLASS 5	TON	628				
8	2232.604	MILL BITUMINOUS PAVEMENT (SPECIAL)	SQ YD	206				
	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	1899				
9	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3;B)	TON	65				
10	2360.509	TYPE SP 12.5 WEARING COURSE MIX (4;C)	TON	293				
	2360.509	TYPE SP 12.5 WEARING COURSE MIX (4;C)	TON	8629				
	2501.502	15" RC SAFETY APRON & GRATE DES 3128	EACH	2				
	2501.503	15" RC PIPE CULVERT CLASS V	LIN FT	56				
	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	35				
11	2540.602	MAIL BOX SUPPORT	EACH	18				
12	2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	1				
12	2563.601	TRAFFIC CONTROL	LUMP SUM	1				
13	2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	20				
	2564.502	INSTALL SIGN PANEL TYPE C	EACH	1				
	2564.518	SIGN PANELS TYPE C	SQ FT	20.75				
	2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	1				
18	2574.507	COMMON TOPSOIL BORROW	CU YD	55				
14	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	2297				
15	2581.503	REMOVABLE PREFORM PAVEMENT MARKING TAPE	LIN FT	416				
16	2582.503	4" SOLID LINE MULTI COMP	LIN FT	29470				
16	2582.503	4" BROKEN LINE MULTI COMP	LIN FT	1949				
16	2582.503	4" DBLE SOLID LINE MULTI COMP	LIN FT	653				

	CONSTRUCTION NOTES
1	REFERENCE DETAILS (PAGE 6) FOR REMOVAL DETAILS
2	REFERENCE DETAILS (PAGE 5) FOR REMOVAL DETAILS
3	ITEM FOR CONCRETE DRIVEWAYS. CONTRACTOR IS RESPONSIBILE FOR CONTACTING PROPERTY OWNER 48 HOURS BEFORE STARTING OPERATION.
4	ITEM FOR BITUMINOUS DRIVEWAYS AND STREET APPROACHES. CONTRACTOR IS RESPONSIBILE FOR CONTACTING PROPERTY OWNER 48 HOURS BEFORE STARTING OPERATION.
5	ITEM USED TO MOVE EXCESS RECLAIM MATERIAL AT THE RECLAIM AREA LIMITS TO CREATE A SMOOTH TRANSITION BETWEEN THE PROPOSED AND EXISTING PAVEMENT
6	GRAVEL BASE FOR CONCRETE AND BITUMINOUS STREET APPROACHES AND DRIVEWAYS, ALSO 10 TONS FOR EACH GRAVEL ENTRANCE.
7	GRAVEL BASE FOR BITUMINOUS DRIVEWAYS, AND CURB PATCHES.
8	TO BE USED FOR MILLING STREET APPROACHES AND/OR DETAIL MILLING AREAS AS IDENTIFIED IN THE PLAN. DETAIL MILLING AROUND MANHOLES, CATCH BASINS, GATE VALVES, AND ALONG CURB LINE IS INCIDENTAL TO THIS ITEM.
9	ITEM FOR BITUMINOUS DRIVEWAYS. DRIVEWAYS SHALL BE PAVED AFTER MAINLINE AND BEFORE FINAL STRIPING.
10	ITEM FOR STREET APPROACHES. STREET APPROACHES SHALL BE PAVED AFTER MAINLINE, AND BEFORE FINAL STRIPING
11	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.
12	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.
13	2 MESSAGE BOARDS, ONE ON THE EACH END OF PROJECT, SHALL BE INSTALLED 10 DAYS PRIOR TO ANY CONSTRUCTION; REFERENCE STRIPING PLAN FOR DETAILS.
14	TYPE 3 FERTILIZER AND TYPE 25-121 SEED ARE INCIDENTAL TO THIS ITEM. SEE "BASIS OF PLANNED QUANTITIES" FOR APPLICATION RATES.
15	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.
16	FINAL STRIPING SHALL BE INSTALLED WITHIN 72 HOURS OF COMPLETION OF MAINLINE WEAR COURSE PAVING.
17	ITEMS INCLUDED IN THE TURNLANE BY THE EACH ARE - COMMON EXCAVATION, SELECT GRANULAR BORROW, TOPSOIL , AGG BASE CL-5. SHAPING OF SUBGRADE AND AGGREGATE BASE ARE INCIDENTAL TO CONSTRUCT TURN
18	ITEM USED AT ENGINEER'S DISCRETION FOR RESTORATION OF DISTURBED AREAS ALONG DRIVEWAYS, STREET APPROACHES AND BEHIND CURB

	THE FOLLO	WING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL
		APPLY ON THIS PROJECT.
~		MNDOT STANDARD PLATES
	PLATE NO.	DESCRIPTION
	3000M	REINFORCED CONCRETE PIPE (6 SHEETS)
	3022C	PRECAST CONCRETE SAFETY APRON (3 SHEETS)
	8000J	CHANNELIZERS
	9350A	MAILBOX SUPPORT (SWING-AWAY TYPE)

	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							

								THEREBY CERTIFY THAT TO
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								PRINT NAME:
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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:

GERALD J. AUGE JR.

SIGNATURE:

DATE: 02-24-2021 LICENSE NO. 26511

 DRAWN BY
 MA
 DATE
 12/11/2020

 DESIGN BY
 MA
 DATE
 12/11/2020

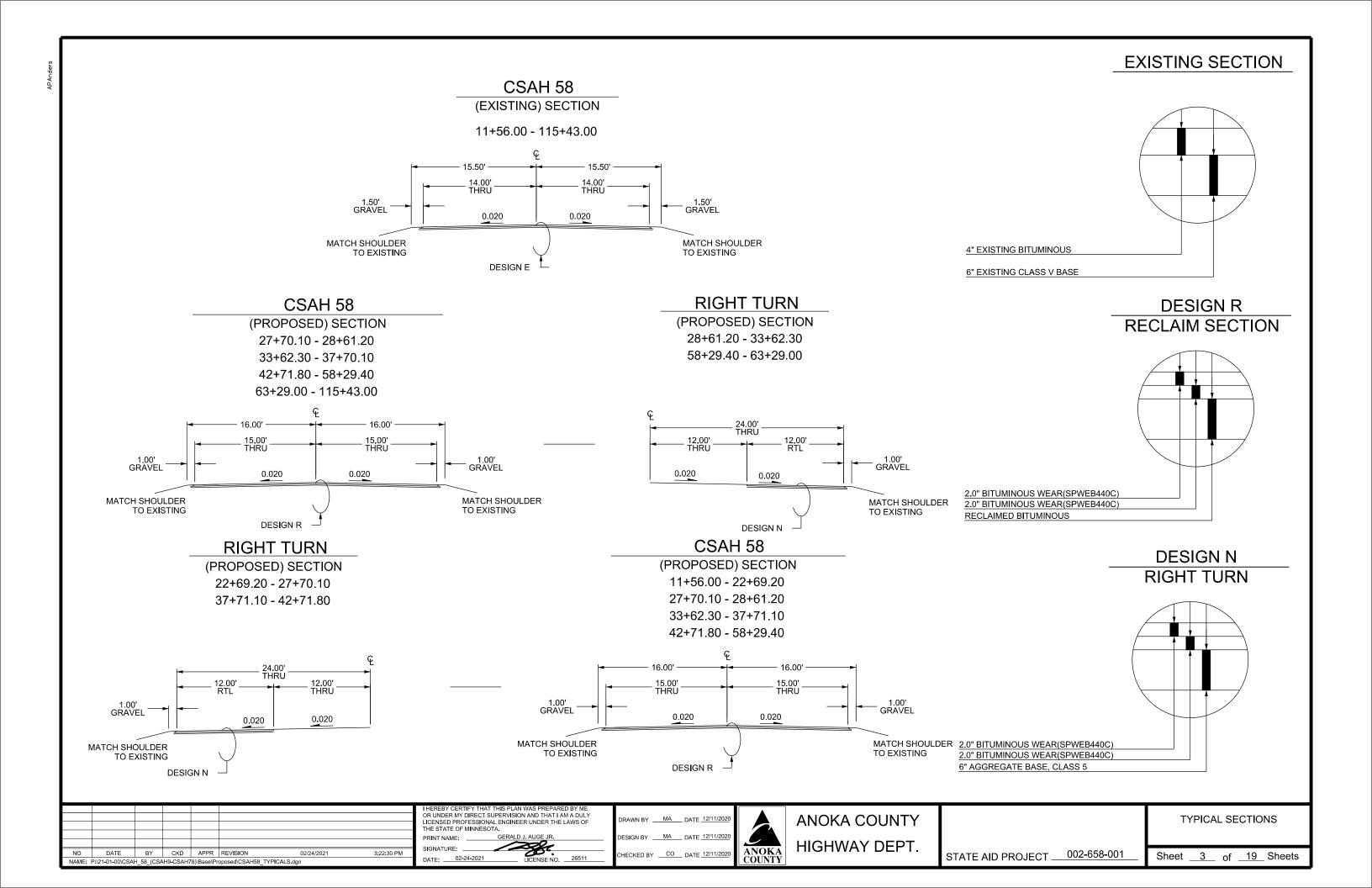
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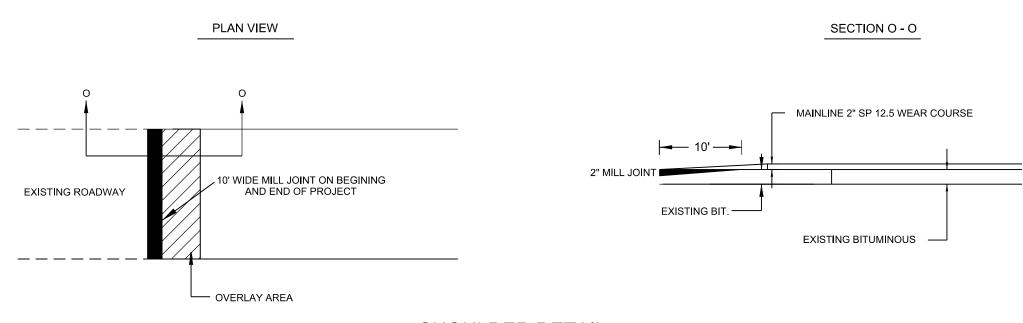
ANOKA COUNTY HIGHWAY DEPT. STATEMENT OF ESTIMATED QUANTITIES

STATE AID PROJECT<u>002-658-001</u>

Sheet 2 of 19 Sheets

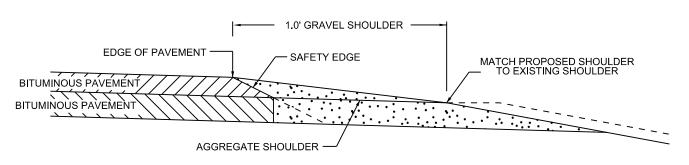


MAINLINE JOINT DETAIL (OVERLAY)



SHOULDER DETAIL

BITUMINOUS SAFETY EDGE GRAVEL SHOULDER



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

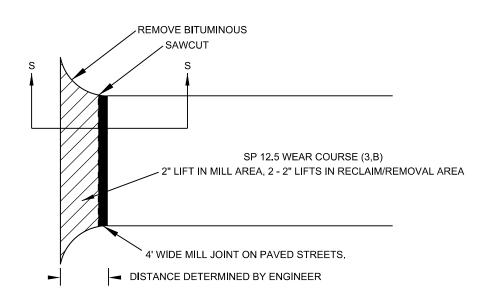
OPTIONAL DESIGN EXTENDS SAFETY EDGE DEEPER THAN 6" AND WIDER THAN 10.5". SEE SPECIAL PROVISIONS .

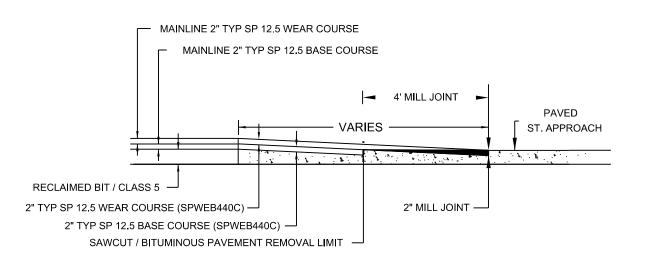
							I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	DRAWN BYMA DATE12/11/2020		ANOKA COUNTY		DETAILS
							PRINT NAME: GERALD J. AUGE JR.	DESIGN BYMA DATE _12/11/2020		LUCLIMANA DEDT		
NO NAME:	DATE P:\21-01-00\C	BY SAH 58 (CS/	CKD APPR	REVISION roposed\CSAH58 DETAI	02/24/2021 LS.dgn	3:22:32 PM	SIGNATURE:	CHECKED BY <u>CO</u> DATE <u>12/11/2020</u>	ANOKA COUNTY	HIGHWAY DEPT.	STATE AID PROJECT002-658-001	Sheet 4 of 19 Sheets

STREET APPROACH DETAIL (RECLAIM)

BITUMINOUS STREET

PLAN VIEW SECTION S - S

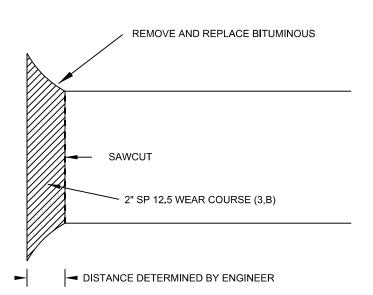




RECLAIM AREA - DRIVEWAY DETAIL

BITUMINOUS

PLAN VIEW



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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:

SIGNATURE:

DATE: 02-24-2021 LICENSE NO. 26511



ANOKA COUNTY HIGHWAY DEPT.

DETAILS

STATE AID PROJECT 002-658-001

DJECT <u>002-658-001</u> Sheet <u>5</u> of <u>19</u> Sheets

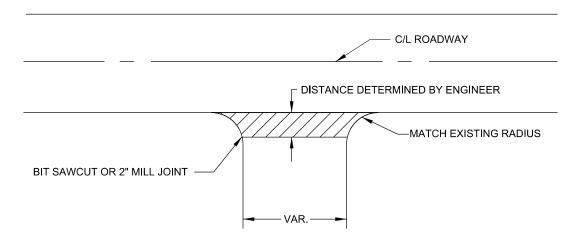
DRIVEWAY DETAIL

BITUMINOUS DRIVEWAY

DRIVEWAY DETAIL

GRAVEL / FIELD ENTRANCE





AGGREGATE SHOULDERING CL 5 (TON)

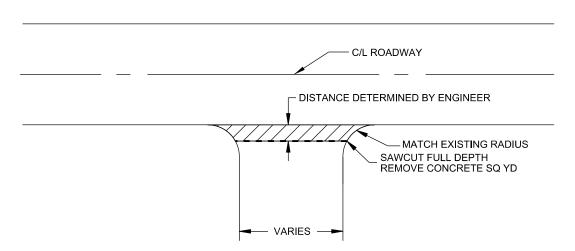
VARIES

MATCH EXISTING RADIUS

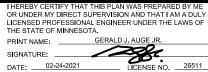
DRIVEWAYS BUMPED OUT AND PAVED WITH MAINLINE PAID AS MAINLINE.
DRIVEWAYS PAVED IN DIFFERENT OPERATION FROM MAIN LINE PAVING PAID AS DRIVEWAY OR STREET APPROACH.

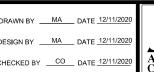
DRIVEWAY DETAIL

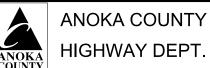
CONCRETE DRIVEWAY



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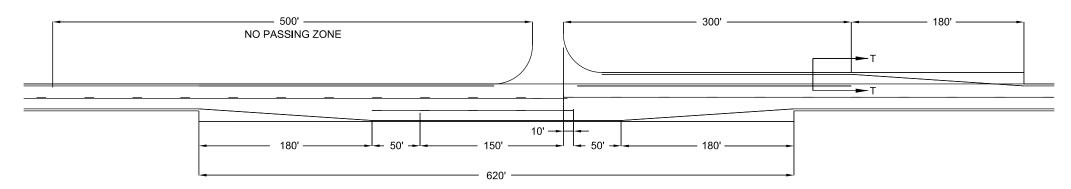
DETAILS

STATE AID PROJECT 002-658-001

Sheet 6 of 19 Sheets

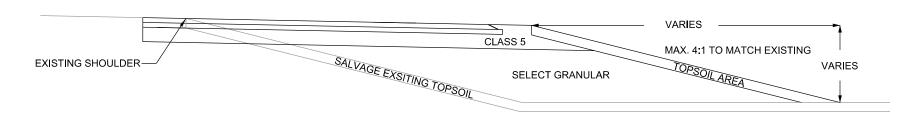
RIGHT TURN AND BYPASS LANE

GENERAL LAYOUT
PLAN VIEW



RIGHT TURN AND BYPASS LANE

SECTION T - T



								I HEREBY CERTIFY THAT OR UNDER MY DIRECT S LICENSED PROFESSION THE STATE OF MINNESC
								PRINT NAME:
								SIGNATURE:
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GERALD J. AUGE JR.

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DATE: 02-24-2021 LICENSE NO. 26511

DRAWN BY MA DATE 12/11/2020

DESIGN BY MA DATE 12/11/2020

CHECKED BY CO DATE 12/11/2020

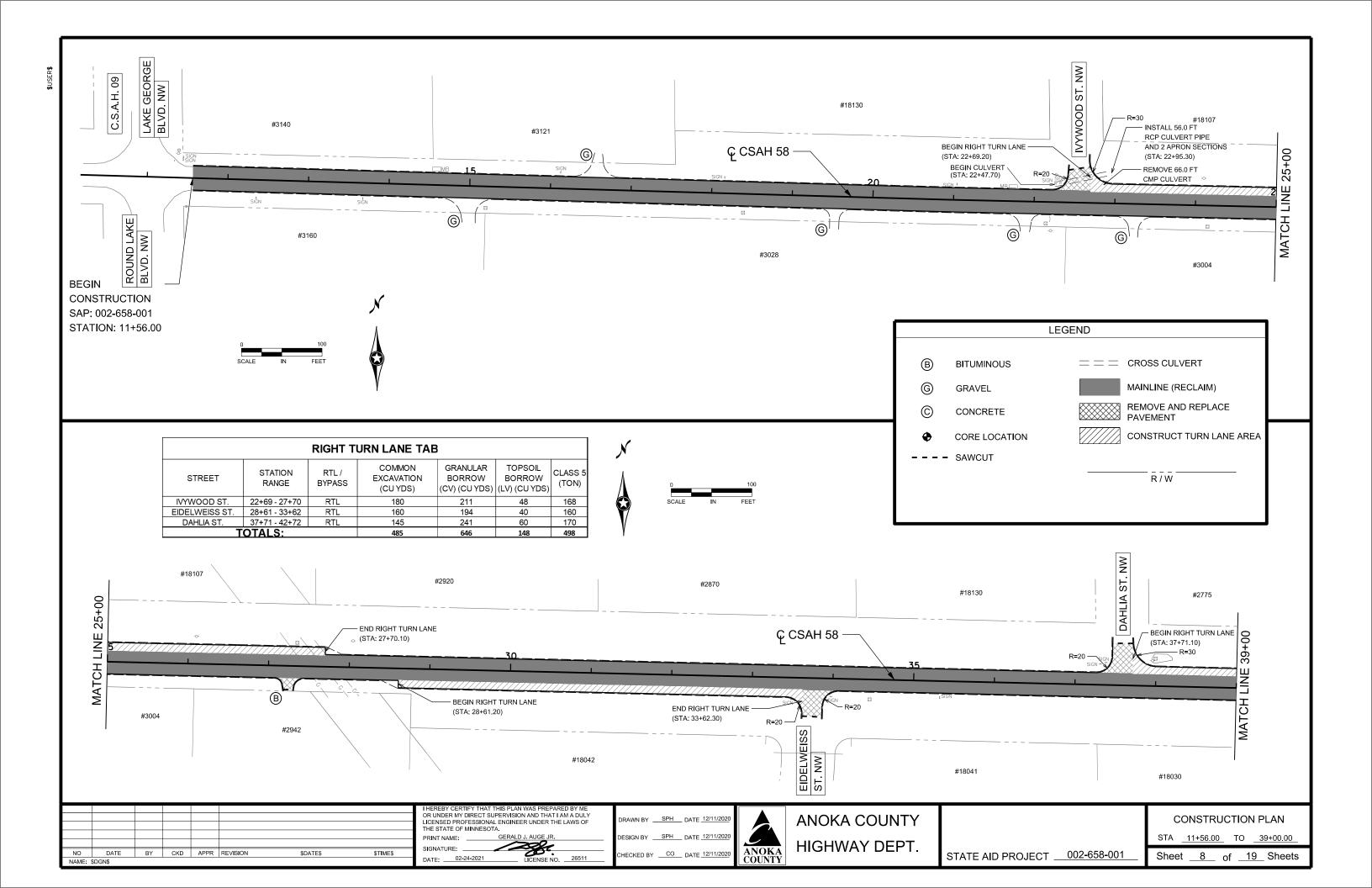


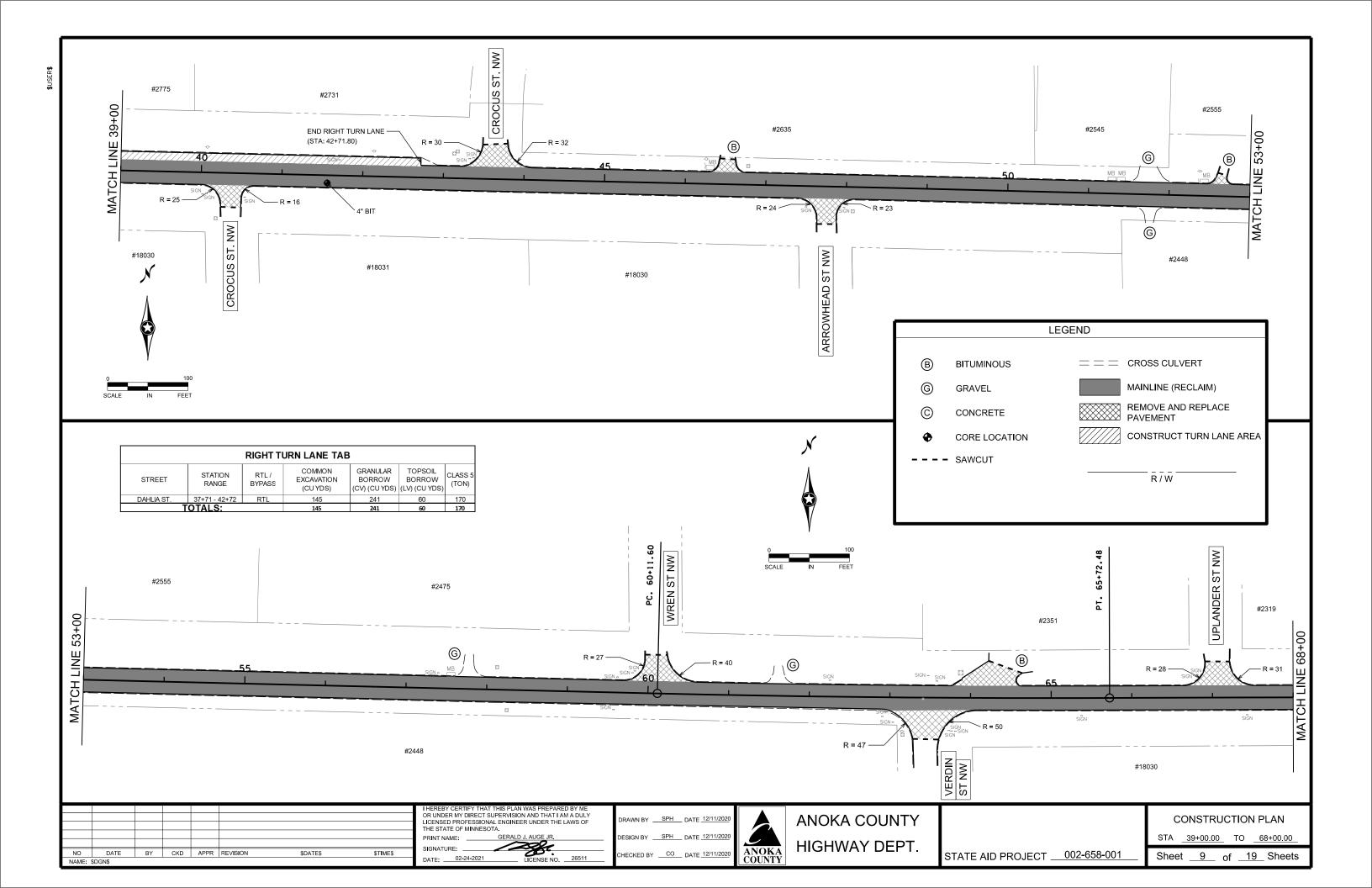
ANOKA COUNTY HIGHWAY DEPT.

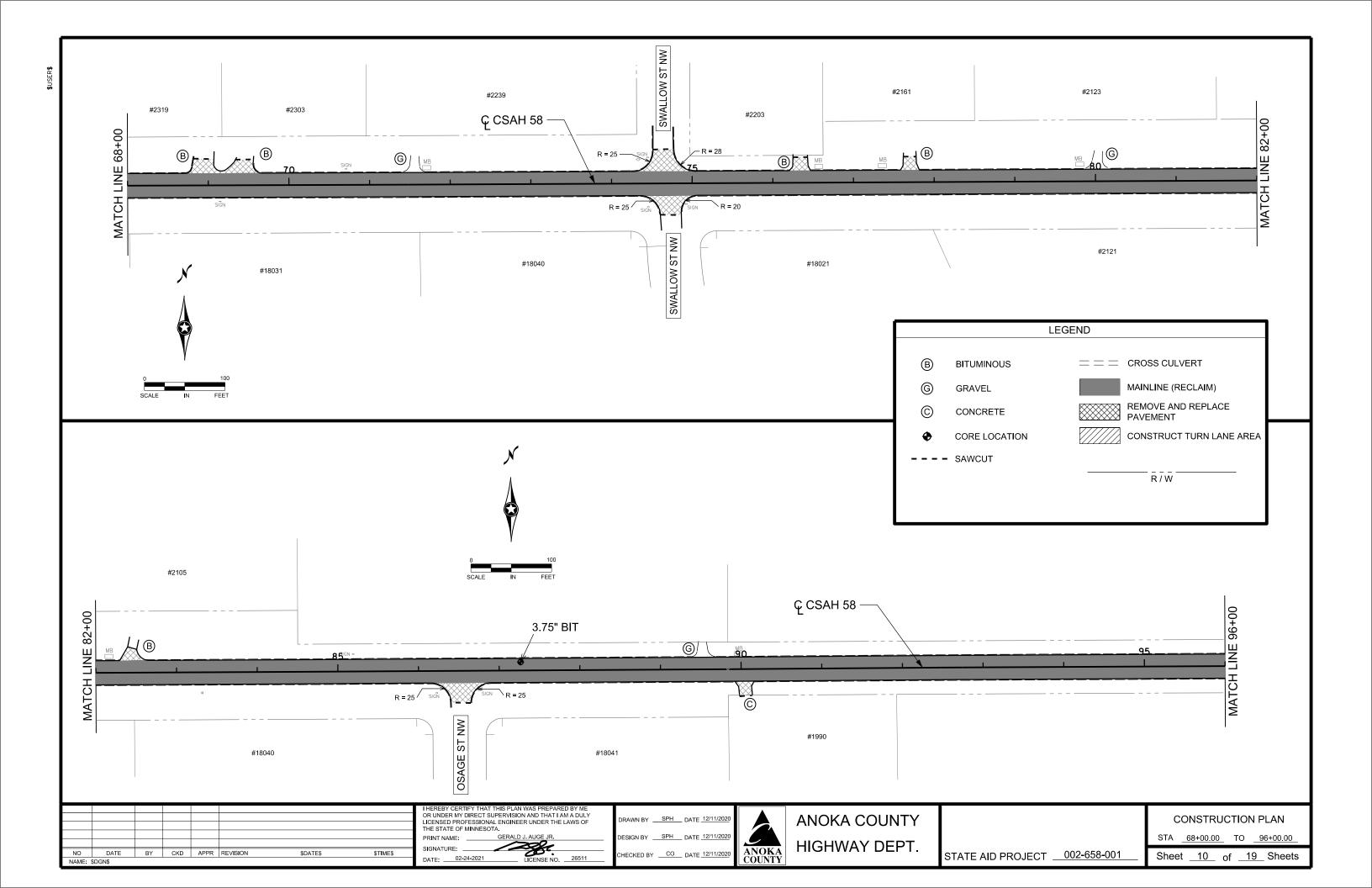
DETAILS

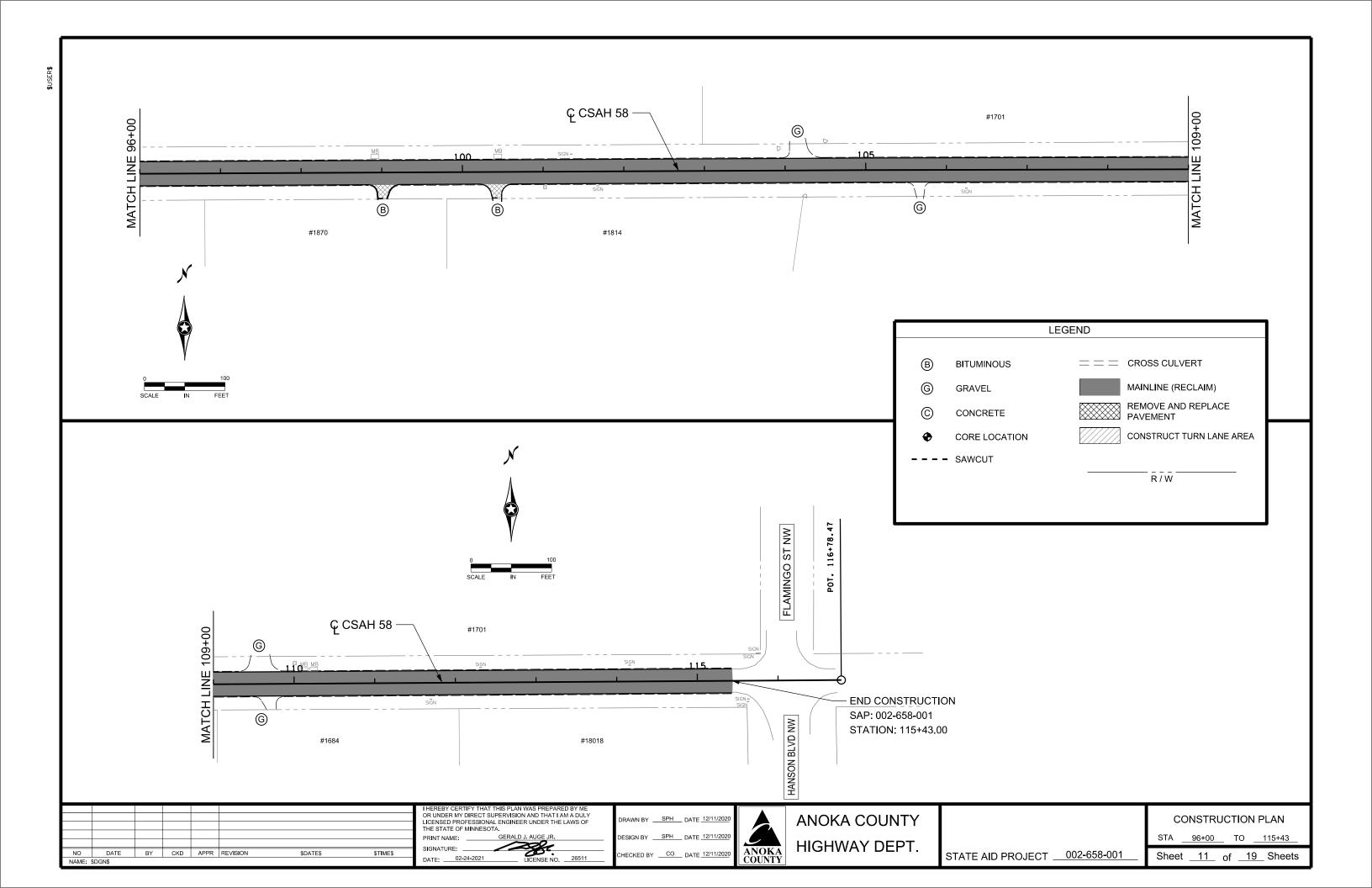
STATE AID PROJECT 002-658-001

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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 BEANS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE MULTI COMP RESIN LINE TO PROVIDE AN IMMEDIATE NO-TRACK SYSTEM.

A MULTI COMP RESIN 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.

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.

PAINT:

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 APPLICATION IN A MANNER AND TO THE EXTENT REQUIRED BY THE ENGINEER.

GLASS BEADS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE PAINT LINE.

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.

ПЕМ	UNIT	TOTAL QUANTITY
4" SOLID LINE WHITE - MULTI COMP	LINFT	21990
4" BROKEN LINE YELLOW - MULTI COMP	LINFT	1949
4" SOLID LINE YELLOW - MULTI COMP	LINFT	7480
4" SOLID DOUBLE LINE YELLOW - MULTI COMP	LINFT	653

1 10' STRIPE, 40' GAP

SYMBOLS & MATERIALS LEGEND

■ CROSSWALK BLOCK WHITE-POLY PREFORM

A PAVEMENT MESSAGE (LEFT ARROW)
POLY PREFORM

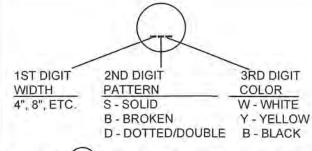
STRIPING KEY

CIRCLE - MULTI

SQUARE - POLY PREFORM
THERMOPLASTIC

TRIANGLE - PAINT

PENTAGON - REMOVABLE PREFORMED
PLASTIC MARKING



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

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL FROMHER UNDER THE LAWS OF THE STATE OF MINNESOTA.

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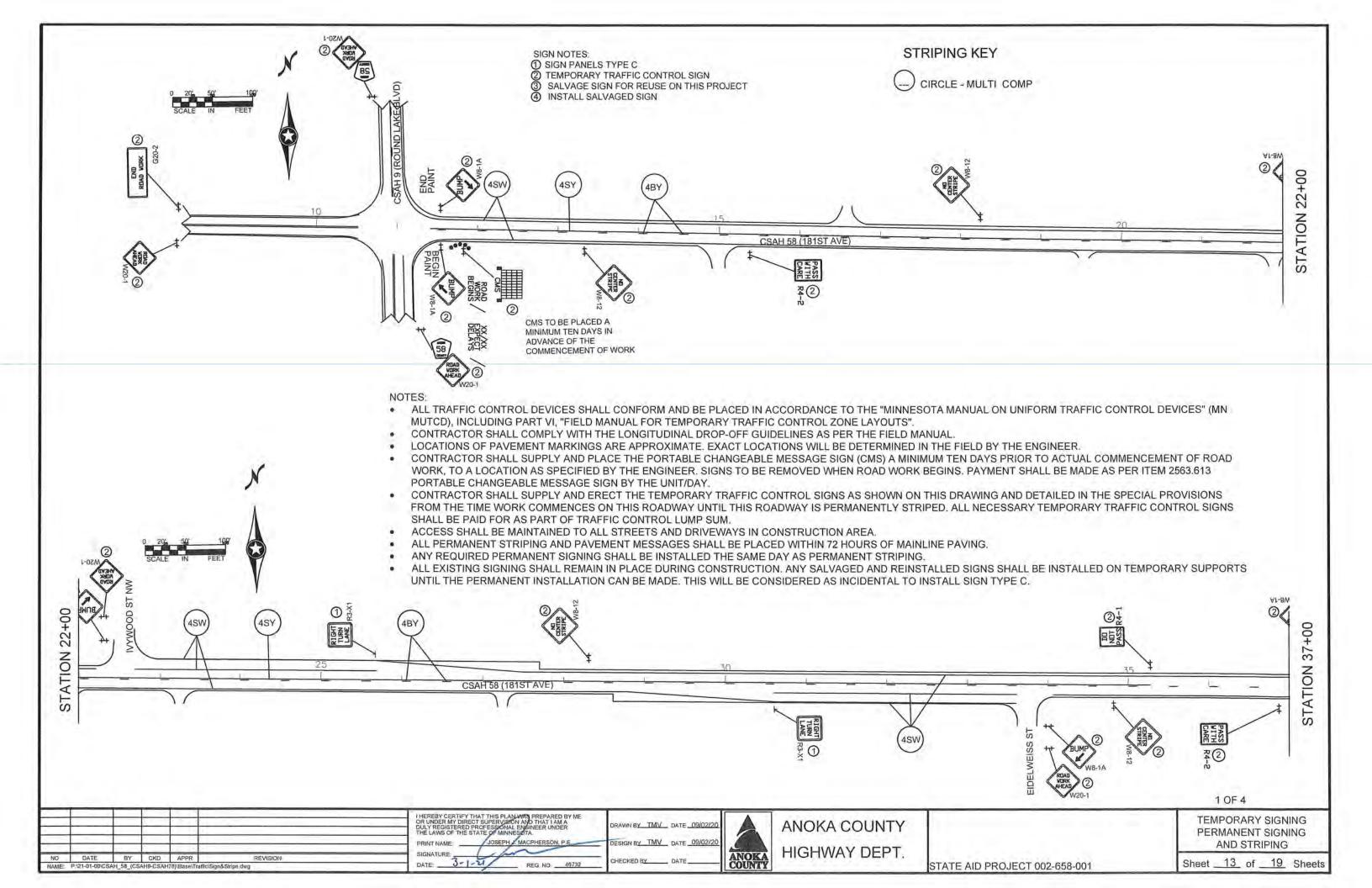
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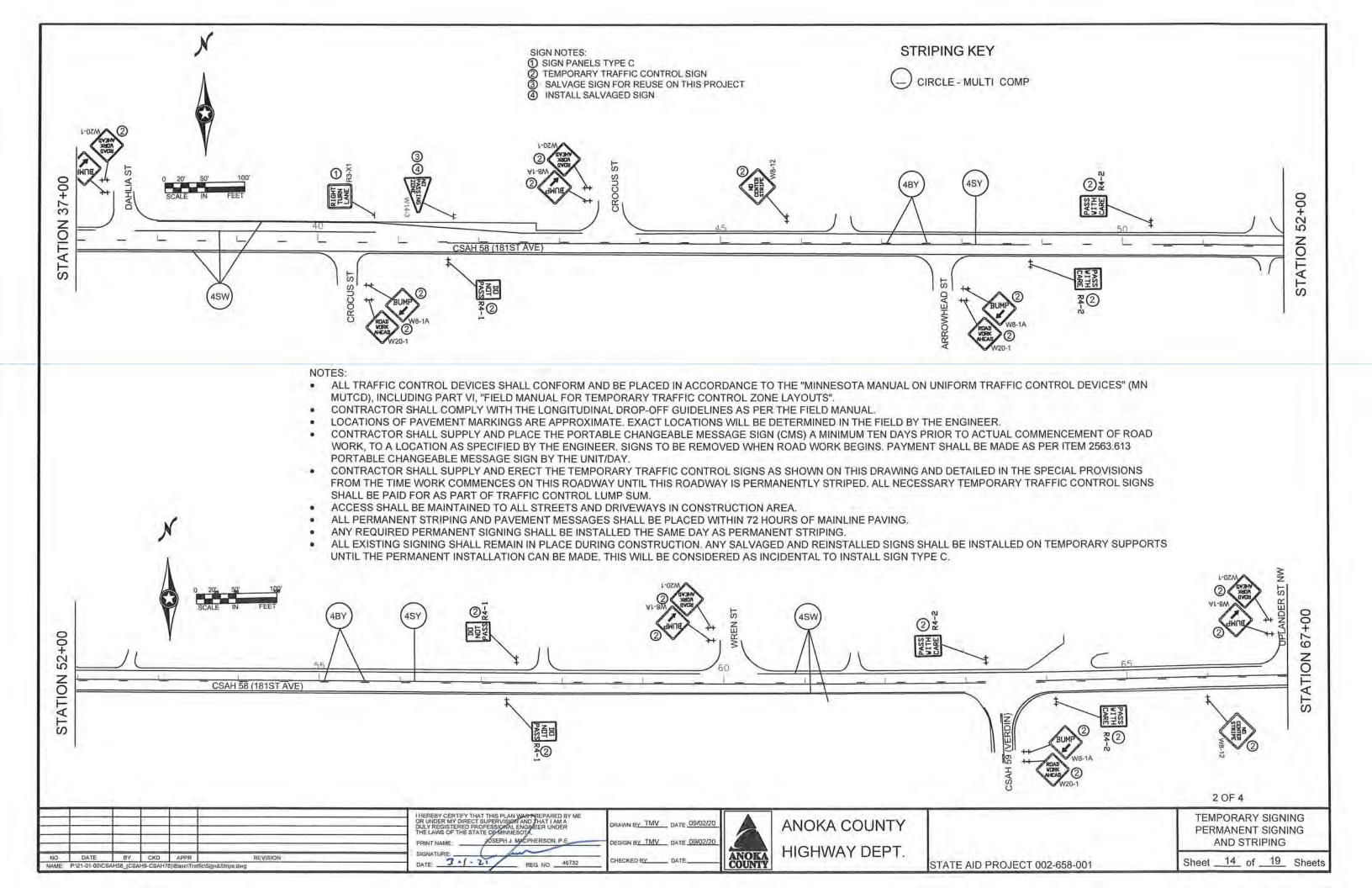
ANOKA COUNTY HIGHWAY DEPT.

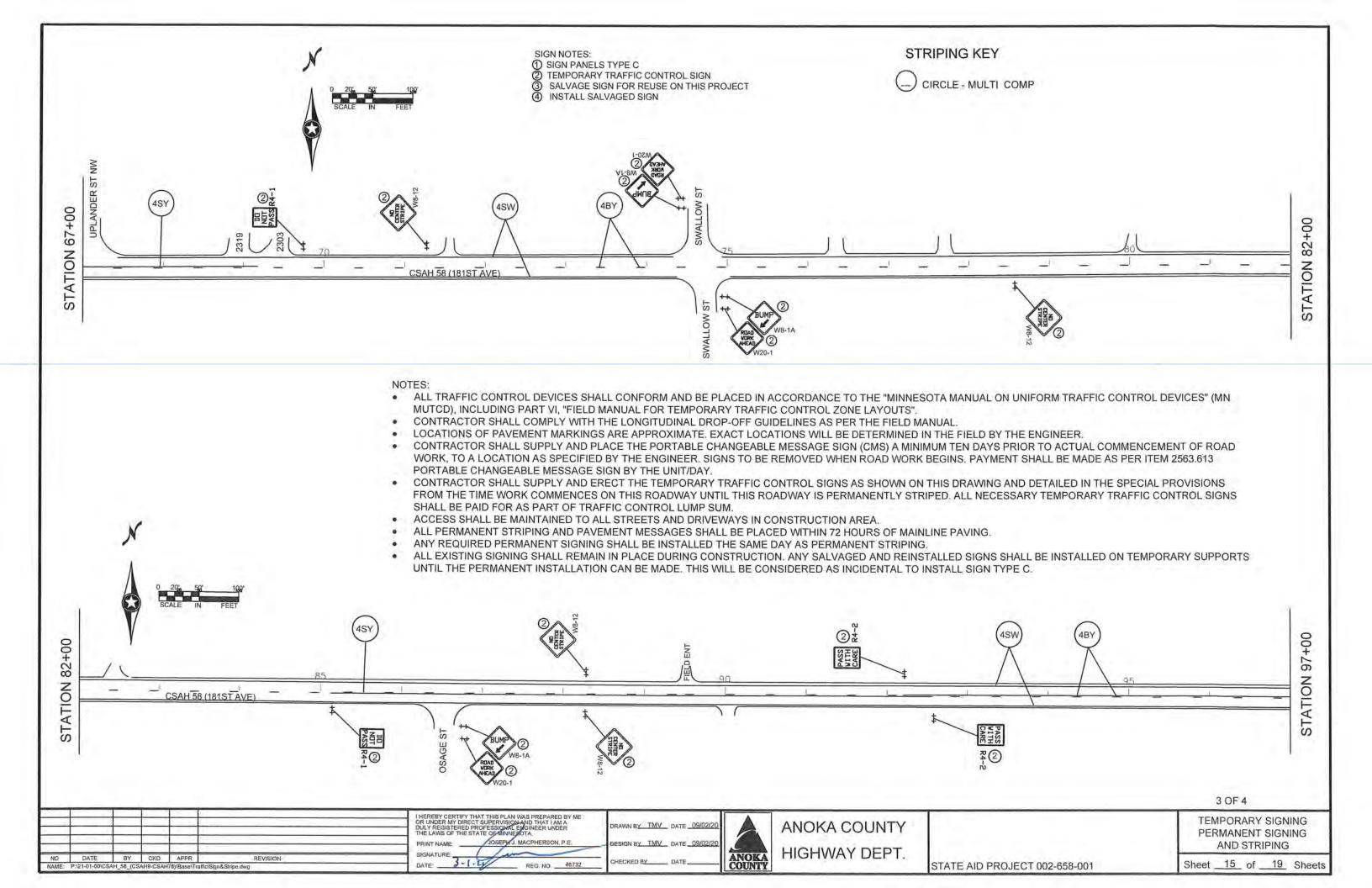
PERMANENT MARKING TABULATION

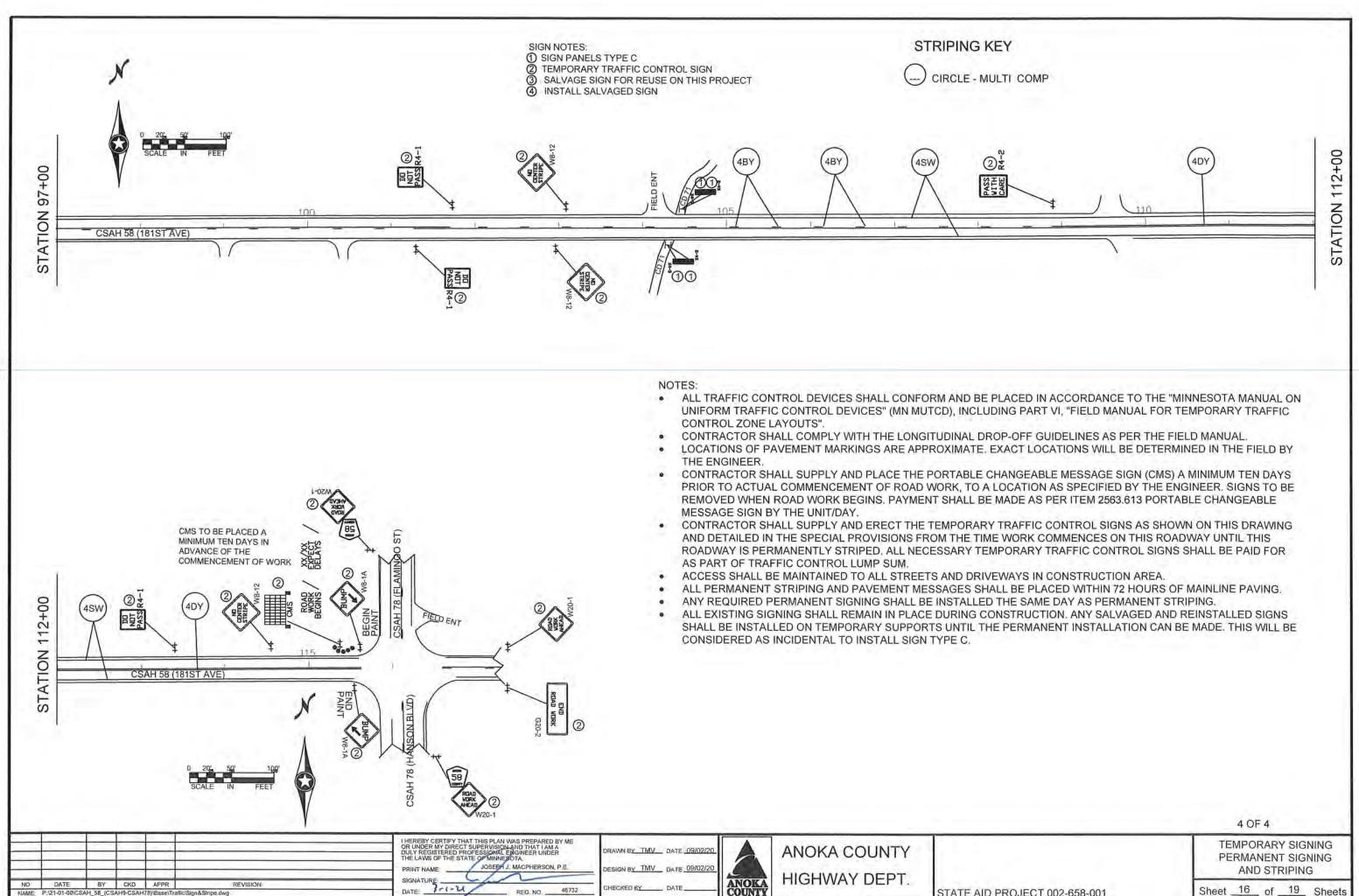
STATE AID PROJECT 002-658-001

Sheet 12 of 19 Sheets



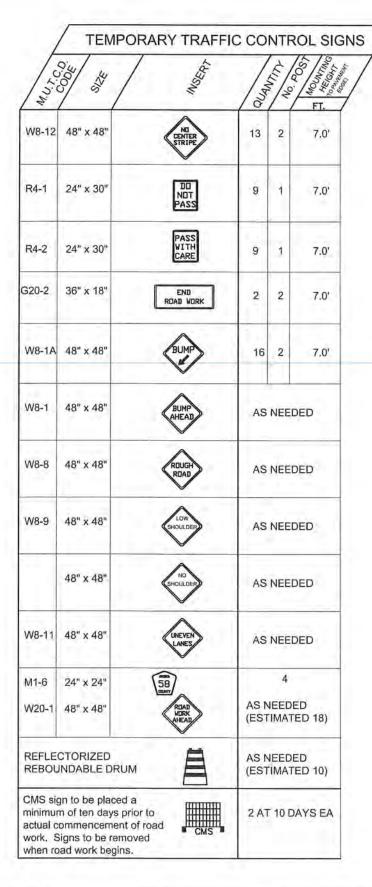






STATE AID PROJECT 002-658-001

Sheet _16_ of _19_



	SALVAGE S	SIGN PANELS	STYPEC		
STATION	ADDRESS/ DESCRIPTION	SALVAGE SIGN TYPE C	INSTALL SALVAGE SIGN TYPE C	SIGN NUMBER	SIGN LEGEND NO PASSING ZONE
	(NOTES)	EACH	EACH		
41+68	LT	1	1	W14-3	NO PASSING ZONE
	TOTAL	1	1		

		F&I	SIGN PAN	ELS TYP	EC		
M.U.T.C.D. CODE				PANEL AREA	TOTAL AREA	POST PER INSTALLATION	MOUNTING HEIGHT To pavement edge
	SIZE	INSERT	QUANTITY	SQ. FT.	SQ. FT.		
R3-7	30" x 30"	RIGHT TURN LANE	3	6.25	18.75	1	7.0'
X4-3	6" x 12"		4	0.50	2.00	1	4.0'
		TOTAL	TYPE C SIGN S	Q FT	20.75		
		PROJE	ECT TOTAL S	QFT	20.75		

CHANGEABLE MESSAGE BOARD - MESSAGE SEQUENCE LAYOUT

	R	0	Α	D	
	W	0	R	K	
В	Ε	G	Í	N	S

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CMS sign to be placed a minimum of ten days prior to actual commencement of road work. Signs to be removed when road work begins.

1 OF 1

 NO
 DATE
 BY
 CKD
 APPR

 NAME
 P*21-01-00/CSAH_58_(CSAH9-CSAH78)\Base\Traffic\Sign&Stripe.dwg
 REVISION

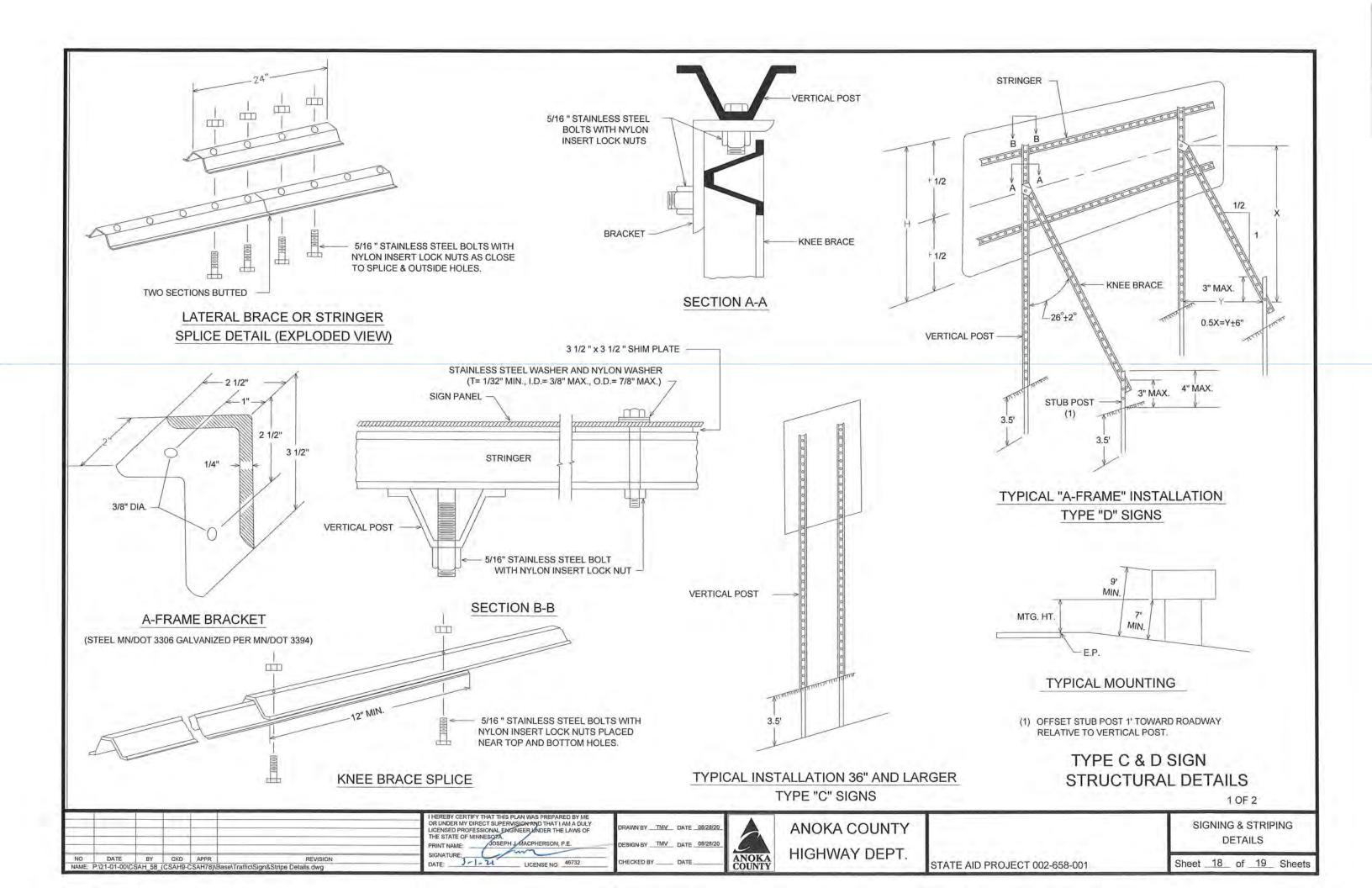
JOSEPH J. MACPHERSON, P.E. REG. NO. 46732 PRAWN BY TMV DATE 09/02/20

ANOKA COUNTY

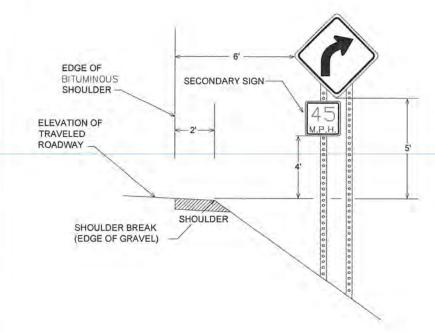
ANOKA COUNTY HIGHWAY DEPT. TEMPORARY SIGNING PERMANENT SIGNING QUANTITIES

STATE AID PROJECT 002-658-001

Sheet 17 of 19 Sheets



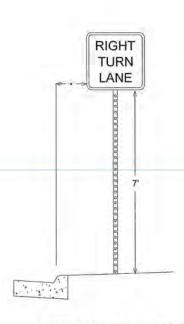
TYPICAL SIGN PLACEMENT (RURAL)



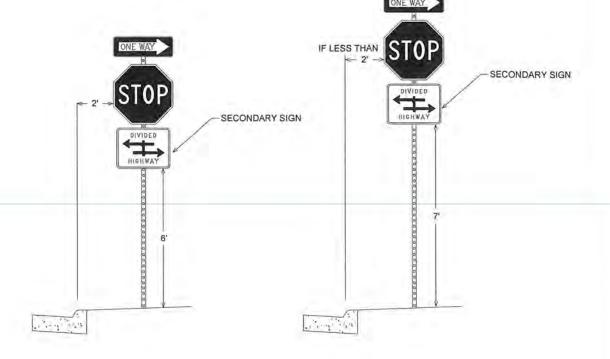
NOTES:

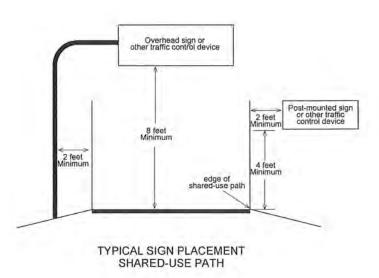
- ALL DIMENSIONS ARE MINIMUMS
- MAINTAIN A CLEAR DISTANCE OF 2' BETWEEN SIGNS AND BITUMINOUS TRAIL
- 7' SIGN CLEARANCE IF A CLEAR DISTANCE OF 2' BETWEEN SIGNS AND BITUMINOUS TRAIL CANNOT BE MAINTAINED

TYPICAL SIGN PLACEMENT (URBAN)



2' - NARROW BOULEVARD (< 8' MDE) 6' - WIDE BOULEVARD





2 OF 2

NO DATE BY CKD APPR REVISION
NAME: P:\(\text{P:\text{21-01-00\CSAH}}\) 58 (CSAH9-CSAH78\)\(\text{Base\Traffic\Sign\Stripe}\) Details\(\text{2019.dwg}\)

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.

PRINT NAME: JOSEPH J. MACPHERSON, P.E. SIGNATURE:

DATE: 3 - 1 - 2 | LICENSE NO. 46732

RAWN BY TMV DATE 08/28/20 DESIGN BY TMV DATE 08/28/20



ANOKA COUNTY HIGHWAY DEPT. SIGNING & STRIPING DETAILS

STATE AID PROJECT 002-658-001

Sheet 19 of 19 Sheets