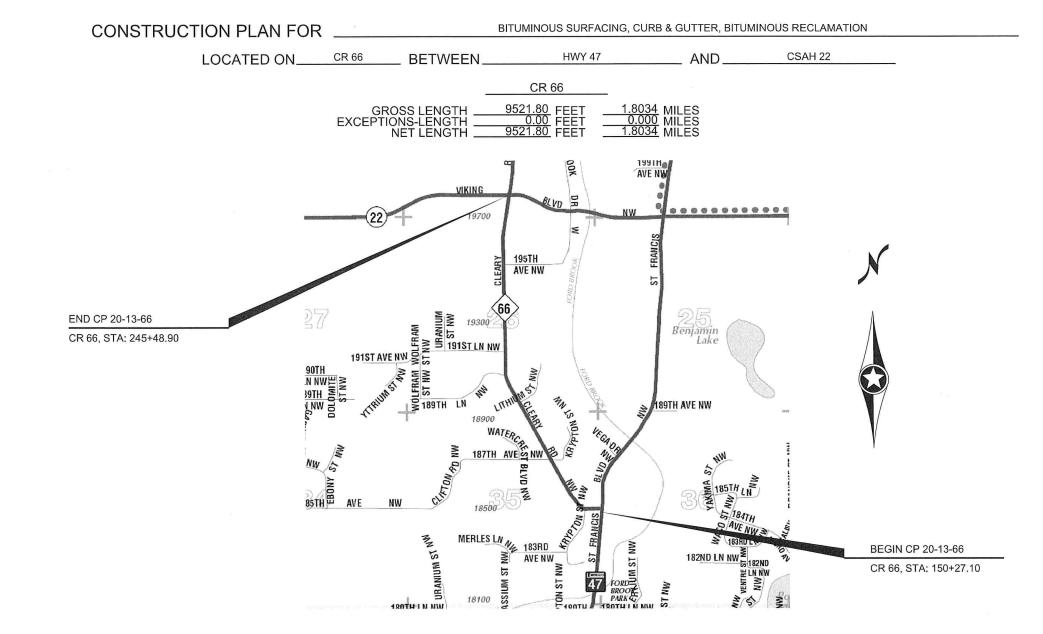
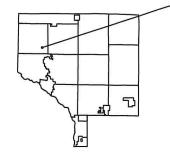
MINNESOTA DEPARTMENT OF TRANSPORTATION **ANOKA COUNTY**



PROJECT LOCATION

DESIGN DESIGNATION CR 66 157,039 MAJOR COLLECTOR ESAL 20 FUNCTIONAL CLASSIFICATION ____ 70____ R VALUE NO. OF TRAFFIC LANES 2 NO. OF PARKING LANES X 1477 DESIGN SPEED 55 MPH ADT (2017) 1477 STOPPING SIGHT DISTANCE BASED ON: PROJ. ADT (2020) 89 HEIGHT OF EYE 3.5' HEIGHT OF OBJECT 2.0' PROJ. HCADT (2040) SOIL FACTOR N/A DESIGN SPEED NOT ACHIEVED AT: TON DESIGN



CITY OF NOWTHEN ANOKA COUNTY MN/DOT TRANSPORTATION DISTRICT - METRO SECTION 23, 26, 35 TOWNSHIP 33 NORTH RANGE 25 WEST

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS" DATED SEPTEMBER 2022 SHALL GOVERN.

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

THIS PLAN CONTAINS 16 SHEETS

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3	TYPICAL SECTIONS
4-5	DETAILS
6-9	CONSTRUCTION PLAN
10	PERMANENT MARKING TABULATION
11-16	TEMPORARY SIGNING/PERMANENT STRIPING

Approved ANOKA COUNTY ENGINEER

TITLE SHEET

COUNTY PROJECT.

20-13-66

Sheet 1 of 16 Sheets

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 LICENSE NO. 26511 SIGNATURE: DATE BY CKD APPR REVISION DATE: 03-06-2023

RAWN BY BFL/SPH DATE 02/16/202 HECKED BY ____CO__ DATE_03/02/202

ANOKA COUNTY ANOKA COUNTY

HIGHWAY DEPT.

	STATEMENT OF ESTIMATED QUANTITIES									
Notes	Item Number	Code	ITEM DESCRIPTION	Unit	TOTAL PROJECT QUANTITIES ESTIMATED					
	2021.501	00010	MOBILIZATION	LUMP SUM	1					
1	2104.503	00195	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	53					
1	2104.503	00205	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	243					
1,2	2104.504	08000	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	113					
1,3	2104.504	00110	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	343					
1,3	2104.504	00120	REMOVE BITUMINOUS PAVEMENT	SQ YD	1267					
4,7	2123.510	00020	MOTOR GRADER	HOUR	12					
5	2123.510	00130	DOZER	HOUR	8					
	2130.523	00010	WATER	M GALLON	191					
6	2211.509	00070	AGGREGATE BASE CLASS 5	TON	46					
	2215.504	00010	FULL DEPTH RECLAMATION	SQ YD	27246					
7	2215.507	00010	HAUL FULL DEPTH RECLAMATION (LV)	CUYD	115					
8	2221.509	08000	SHOULDER BASE AGGREGATE CLASS 5	TON	591					
9	2232.604	00470	MILL BITUMINOUS PAVEMENT (SPECIAL)	SQ YD	162					
	2357.506	00010	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	1522					
10	2360.509	13200	TYPE SP 9.5 WEARING COURSE MIXTURE (3;B)	TON	39					
20	2360.509	20100	TYPE SP 12.5 BITUMINOUS MIXTURE FOR PATCHING	TON	22					
11	2360.509	24300	TYPE SP 12.5 WEARING COURSE MIXTURE (4;C)	TON	247					
	2360.509	24300	TYPE SP 12.5 WEARING COURSE MIXTURE (4;C)	TON	6753					
12	2531.503	02080	CONCRETE CURB AND GUTTER DESIGN B418	LIN FT	854					
2	2531.504	00060	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	113					
13	2540.602	00155	RELOCATE MAIL BOX SUPPORT	EACH	25					
	2563.601	00001	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	1					
14,15	2563.601	00010	TRAFFIC CONTROL	LUMP SUM	1					
16	2563.613	01100	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	20					
	2574.507	00100	COMMON TOPSOIL BORROW	CUYD	271					
17	2575.508	40003	HYDRAULIC REINFORCED FIBER MATRIX	POUND	2534					
18	2581.503	00010	REMOVABLE PREFORMED PAVEMENT MARKING TAPE	LIN FT	380					
19	2582.503	36104	4" SOLID LINE MULTI-COMPONENT GROUND IN	LIN FT	22717					
19	2582.503	36204	4" BROKEN LINE MULTI-COMPONENT GROUND IN	LIN FT	858					
19	2582.503	36404	4" DOUBLE SOLID LINE MULTI-COMPONENT GROUND IN	LIN FT	9578					

	CONSTRUCTION NOTES
1	REFERENCE DETAILS (PAGE 4-5) FOR REMOVAL DETAILS
2	ITEM FOR CONCRETE DRIVEWAYS. CONTRACTOR IS RESPONSIBLE FOR CONTACTING PROPERTY OWNER 48 HOURS BEFORE STARTING OPERATION.
3	ITEM FOR BITUMINOUS DRIVEWAYS AND STREET APPROACHES. CONTRACTOR IS RESPONSIBLE FOR CONTACTING PROPERTY OWNER 48 HOURS BEFORE STARTING OPERATION.
4	ITEM USED FOR SUPERELEVATION / GRADE CORRECTION IN SUPERELEVATION AREAS
5	TO BE USED FOR DITCH GRADING AS DIRECTED BY THE ENGINEER
6	GRAVEL BASE FOR CONCRETE AND BITUMINOUS STREET APPROACHES, DRIVEWAYS AND SUPER ELEVATION AREAS.
7	ITEM USED TO MOVE EXCESS RECLAIM MATERIAL AT THE RECLAIM AREA LIMITS TO CREATE A SMOOTH TRANSITION BETWEEN THE PROPOSED AND EXISTING PAVEMENT AS WELL AS RIGHT TURN LANE CURB SECTION.
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 STREET APPROACHES, AND DRIVEWAYS; SEE DETAILS FOR DIMENSIONS.
10	ITEM FOR BITUMINOUS DRIVEWAYS. DRIVEWAYS SHALL BE PAVED AFTER MAINLINE AND BEFORE FINAL STRIPING.
11	STREET APPRACHES SHALL BE PAVED AFTER MAINLINE, AND BEFORE FINAL STRIPING
12	B418 CURB AND GUTTER TO BE USED IF NECESSARY, AS INDICATED IN THE PLAN OR AS DIRECTED BY THE ENGINEER
13	MAILBOXES ARE TO BE INSTALLED AT THE EXISTING MAILBOX LOCATION OR AS DIRECTED BY THE LOCAL POSTAL AUTHORITY, CONTRACTOR IS RESPONSIBLE FOR CONTACTING. MAILBOX REMOVAL AND ALL MATERIALS ARE INCIDENTAL TO INSTALLATION.
14	CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY SIGNAGE WHENEVER EXISTING SIGNAGE IS REMOVED. TEMPORARY SIGNAGE SHALL BE INCIDENTAL TO TRAFFIC CONTROL.
15	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.
16	2 MESSAGE BOARDS, ONE ON THE EACH END OF PROJECT, SHALL BE INSTALLED 10 DAYS PRIOR TO ANY CONSTRUCTION; REFERENCE STRIPING PLAN FOR DETAILS.
17	TYPE 3 FERTILIZER AND TYPE 25-121 SEED ARE INCIDENTAL TO THIS ITEM. SEE "BASIS OF PLANNED QUANTITIES" FOR APPLICATION RATES.
18	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.
19	FINAL STRIPING SHALL BE INSTALLED WITHIN 72 HOURS OF COMPLETION OF MAINLINE WEAR COURSE PAVING. CANNOT BE INSTALLED SOONER THAN 48 HOURS.
20	ITEM TO BE USED TO FILL IN BETWEEN THE BASE BITUMINOUS LIFT AND NEW CURB.

BITUMINOUS STREET SUMMARY							
	BITUMINOUS						
LOCATION	2360 TYPE SP 12.5 WEAR (4,C)	NOTES					
	TON						
KRYPTON ST S	31	[1]					
KRYPTON ST N	41	[1]					
187TH AVE	45	[1]					
LITHIUM ST	34	[1]					
191ST LN	26	[1]					
189TH LN	40	[1]					
195TH AVE	29	[1]					
PROJECT TOTAL	247	·					

BITUMINOUS SUMMARY NOTES	:
[1] QUANTITY ESTIMATED FOR 2	LIFTS
[1] @0/((1))11	

THE FOLI	LOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION,						
	SHALL APPLY ON THIS PROJECT						
MNDOT STANDARD PLATES							
PLATE NO.	DESCRIPTION						
7100H	CONCRETE CURB AND GUTTER (DESIGN B AND DESIGN V)						
8000K	TEMPORARY CHANNELIZERS (3 SHEETS)						
9350B	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 TH
								OR UNDER MY DIRECT SUF LICENSED PROFESSIONAL
								THE STATE OF MINNESOTA
								PRINT NAME:
								SIGNATURE:
NO	DATE	BY	CKD	APPR	REVISION	04/20/2023	7:47:47 AM	00.00.000
NAME: F	P:\20-01-00\CR_6	6_(TH47-C	SAH22)\Ba	se\Propos	ed\Proposed.dgn			DATE: <u>03-06-2023</u>

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: 03-06-2023 LICENSE NO. 26511

 DRAWN BY
 BFL/SPH
 DATE
 02/16/2023

 DESIGN BY
 SPH
 DATE
 02/16/2023

 CHECKED BY
 CO
 DATE
 03/02/2023



ANOKA COUNTY HIGHWAY DEPT. STATEMENT OF ESTIMATED QUANTITIES

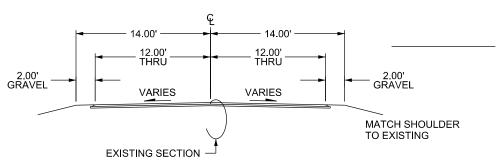
COUNTY PROJECT 20-13-66

Sheet 2 of 16 Sheets

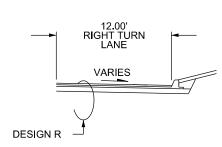
CR 66 - CLEARY RD.

EXISTING SECTION

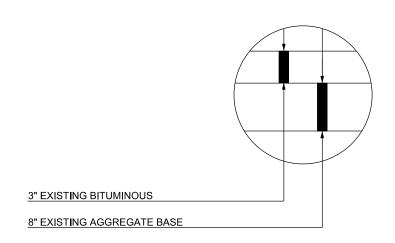
153+44.00 - 245+48.90



150+27.10 - 153+44.00



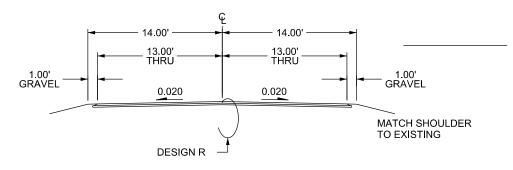
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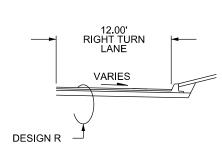
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PROPOSED SECTION

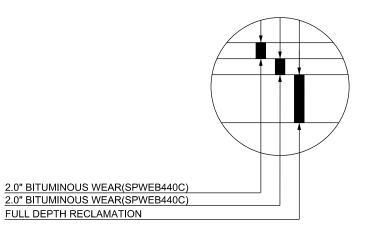
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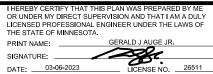
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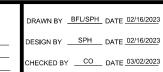


DESIGN R RECLAIM SECTION



NO DATE BY CKD APPR REVISION 04/20/2023 7:47:52 AM								
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ANOKA COUNTY HIGHWAY DEPT.

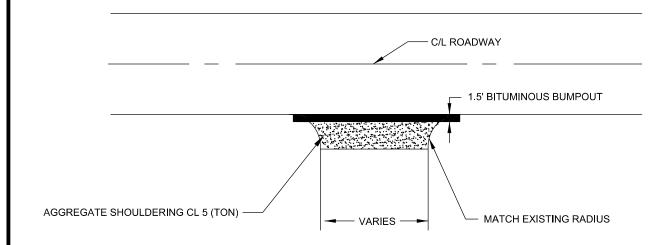
TYPICAL SECTIONS

COUNTY PROJECT ______20-13-66

Sheet 3 of 16 Sheets

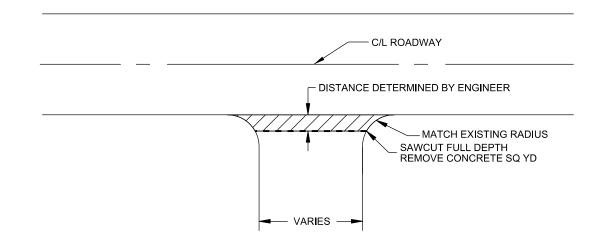
DRIVEWAY DETAIL

GRAVEL / FIELD ENTRANCE



DRIVEWAY DETAIL

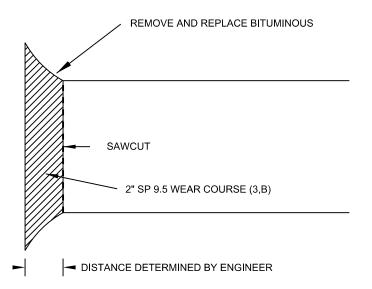
CONCRETE DRIVEWAY



RECLAIM AREA - DRIVEWAY DETAIL

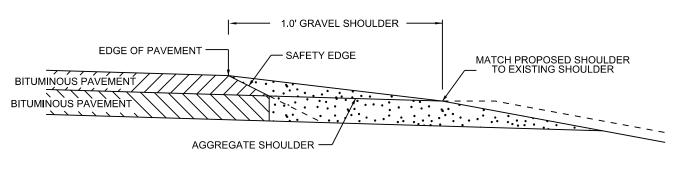
BITUMINOUS

PLAN VIEW



SHOULDER DETAIL

BITUMINOUS SAFETY EDGE GRAVEL SHOULDER

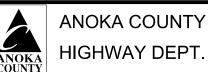


SAFETY EDGE TO BE USED IN ALL NON-CURB AREAS ON SHOULDER.

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

								I HEREBY CERTIFY TH	AT THIS PLAN WAS PREPARED BY ME
								OR UNDER MY DIRECT	T SUPERVISION AND THAT I AM A DULY
								LICENSED PROFESSION	DNAL ENGINEER UNDER THE LAWS OF
								THE STATE OF MINNE	SOTA.
								PRINT NAME:	GERALD J AUGE JR.
								TRICTIONE.	
								SIGNATURE:	
NO	DATE	BY	CKD	APPR	REVISION	04/20/2023	7:47:52 AM	00.00.000	٠
NAME:	P:\20-01-00\CR_6	66_(TH47-0	SAH22)\Ba	se\Propos	ed\Proposed.dgn			DATE:03-06-2023	LICENSE NO26511





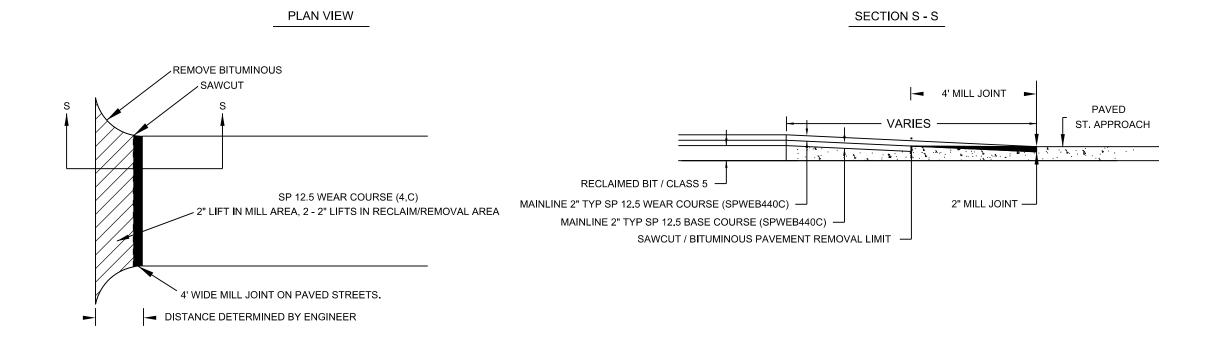
DETAILS

COUNTY PROJECT ______20-13-66

Sheet 4 of 16 Sheets

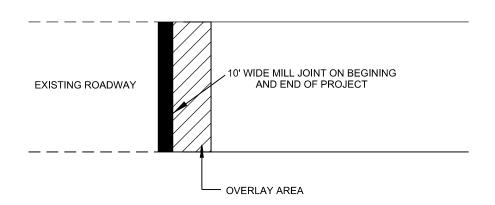
STREET APPROACH DETAIL (RECLAIM)

BITUMINOUS STREET

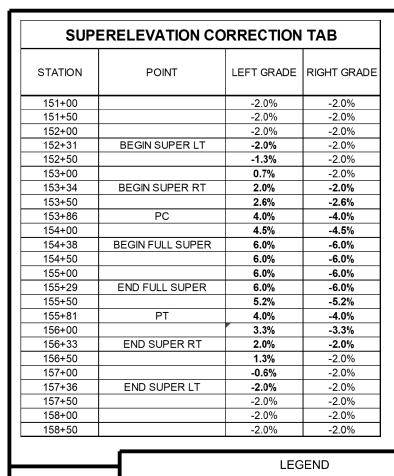


MAINLINE JOINT DETAIL (RECLAIM)

PLAN VIEW



					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 BY <u>BFL/SPH</u> DATE <u>02/16/2023</u>		ANOKA COUNTY			DETAILS
					PRINT NAME: GERALD J AUGE JR.	DESIGN BYSPH DATE _02/16/2023		LUCLIMAY DEDT			
NO NAME:	DATE P:\20-01-00\CR_66	BY CKD APPR REVISION 66_(TH47-CSAH22)\Base\Proposed\Proposed.dgn	04/20/2023	7:47:53 AM	SIGNATURE:		ANOKA COUNTY	HIGHWAY DEPT.	COUNTY PROJECT	20-13-66	Sheet <u>5</u> of <u>16</u> Sheets



BITUMINOUS

CONCRETE

DATE BY CKD APPR REVISION

MAINLINE RECLAIM AREA

LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF

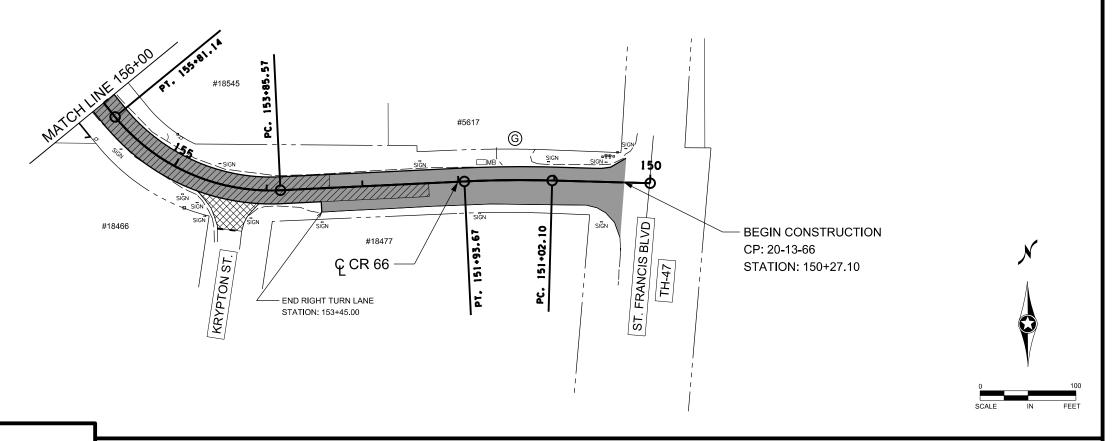
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DATE: 03-06-2023

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04/20/2023

LICENSE NO. 26511



HIGHWAY DEPT.

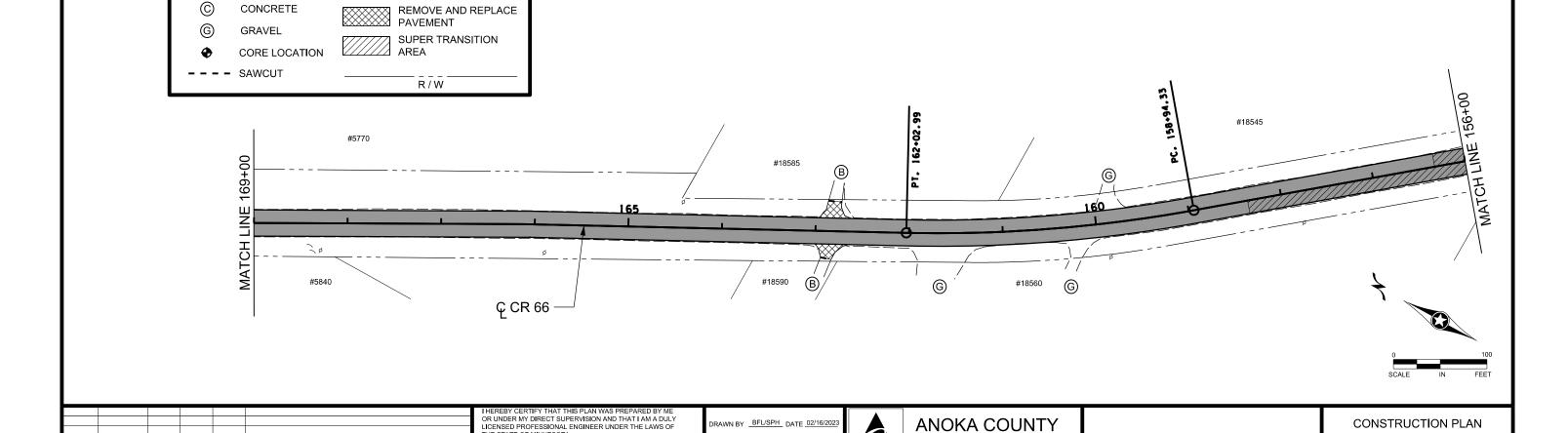
ANOKA COUNTY

STA <u>150+27.10</u> TO <u>169+00</u>

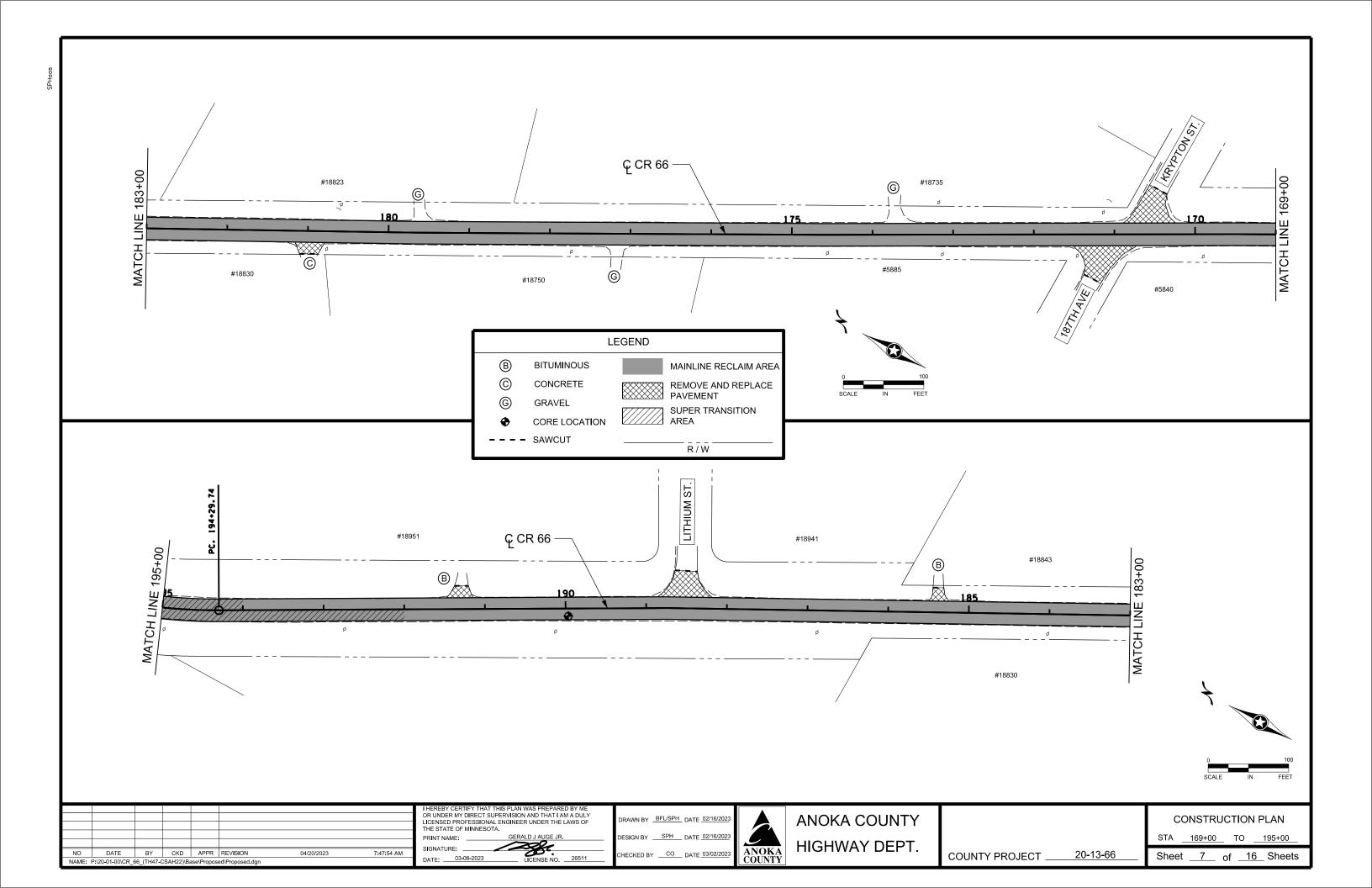
Sheet 6 of 16 Sheets

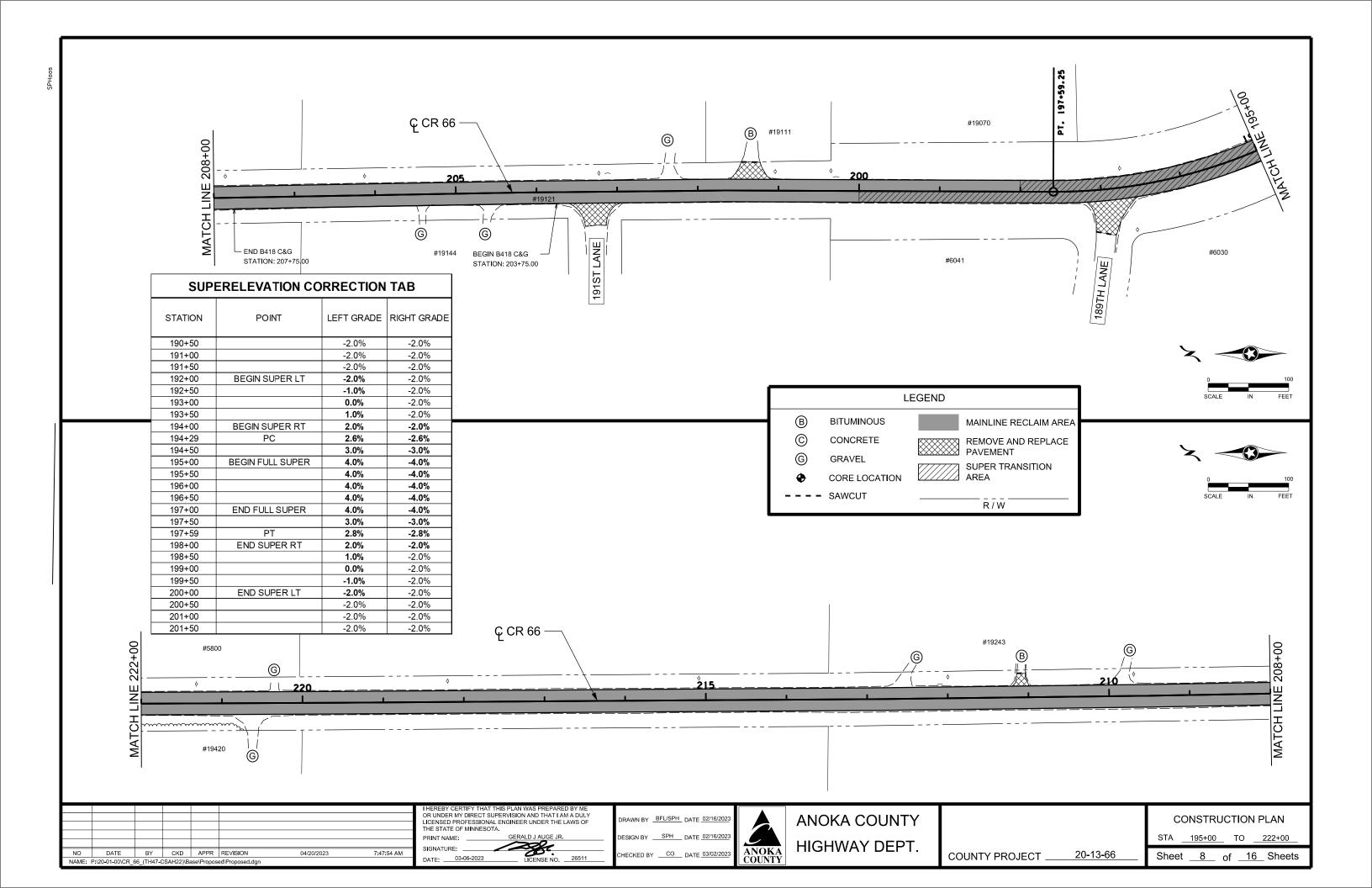
20-13-66

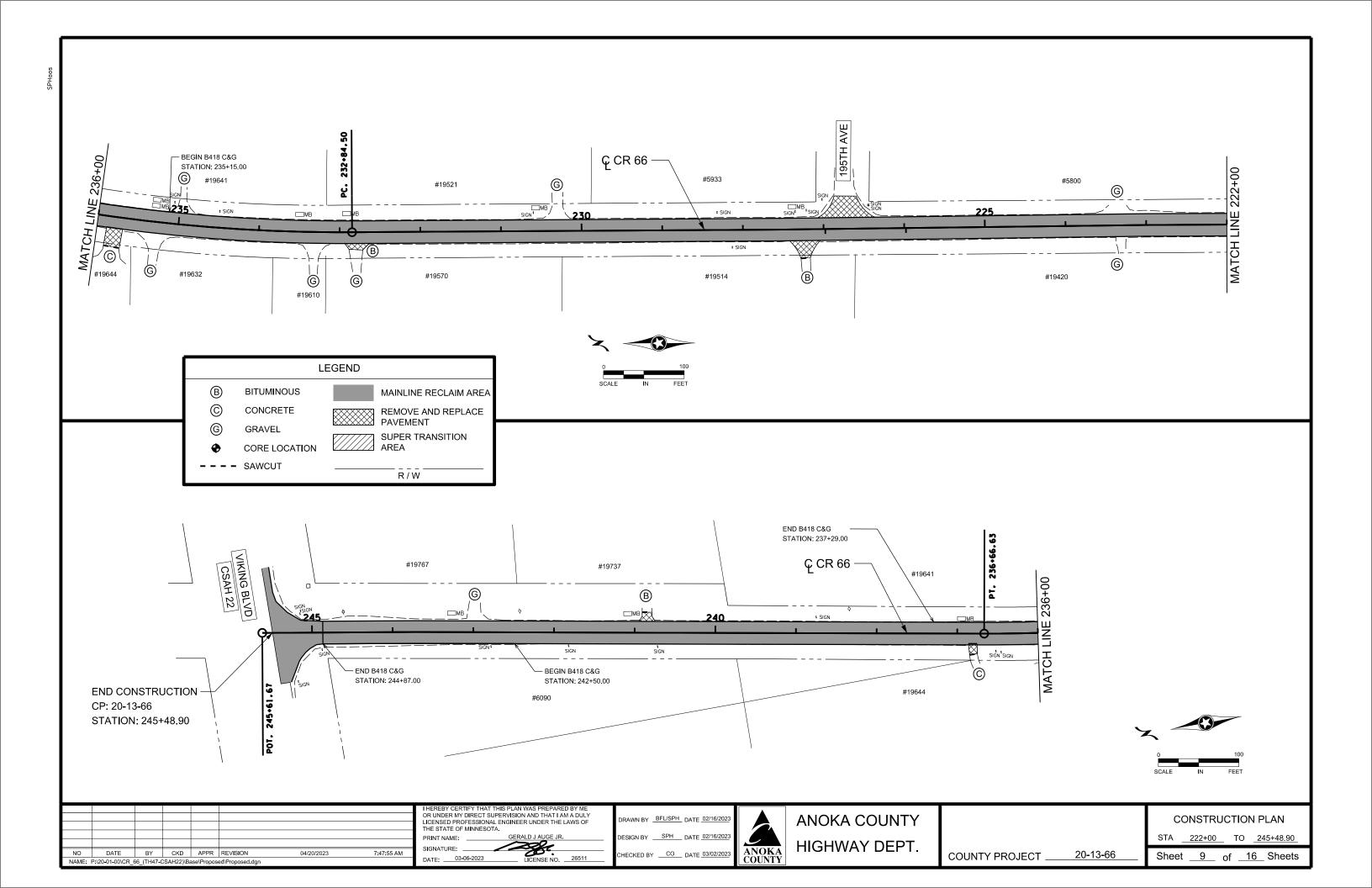
COUNTY PROJECT



CHECKED BY ____CO__ DATE _03/02/202







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 1 INCH UNDER OR 1 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.

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 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

PAVEMENT MARKING TABULATION										
ПЕМ	UNIT	TOTAL QUANTITY	NOTES							
4" SOLID LINE - MULTI COMP GROUND IN (WHITE)	LINFT	18414								
4" BROKEN LINE - MULTI COMP GROUND IN (YELLOW)	LINFT	858	1							
4" SOLID LINE - MULTI COMP GROUND IN (YELLOW)	LINFT	4303	-							
4" DOUBLE LINE - MULTI COMP GROUND IN (YELLOW)	LINFT	9578								

1 - 10' STRIPE, 40' GAP

SYMBOLS & MATERIALS LEGEND

CROSSWALK BLOCK WHITE-POLY PREFORM

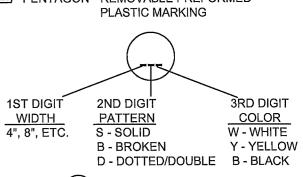
PAVEMENT MESSAGE (LEFT ARROW) POLY PREFORM

STRIPING KEY

		•
CIRCLE - MULTI	s	QUARE - POLY PREFORM
COMP		THERMOPLASTIC

Z--- TRIANGLE - PAINT

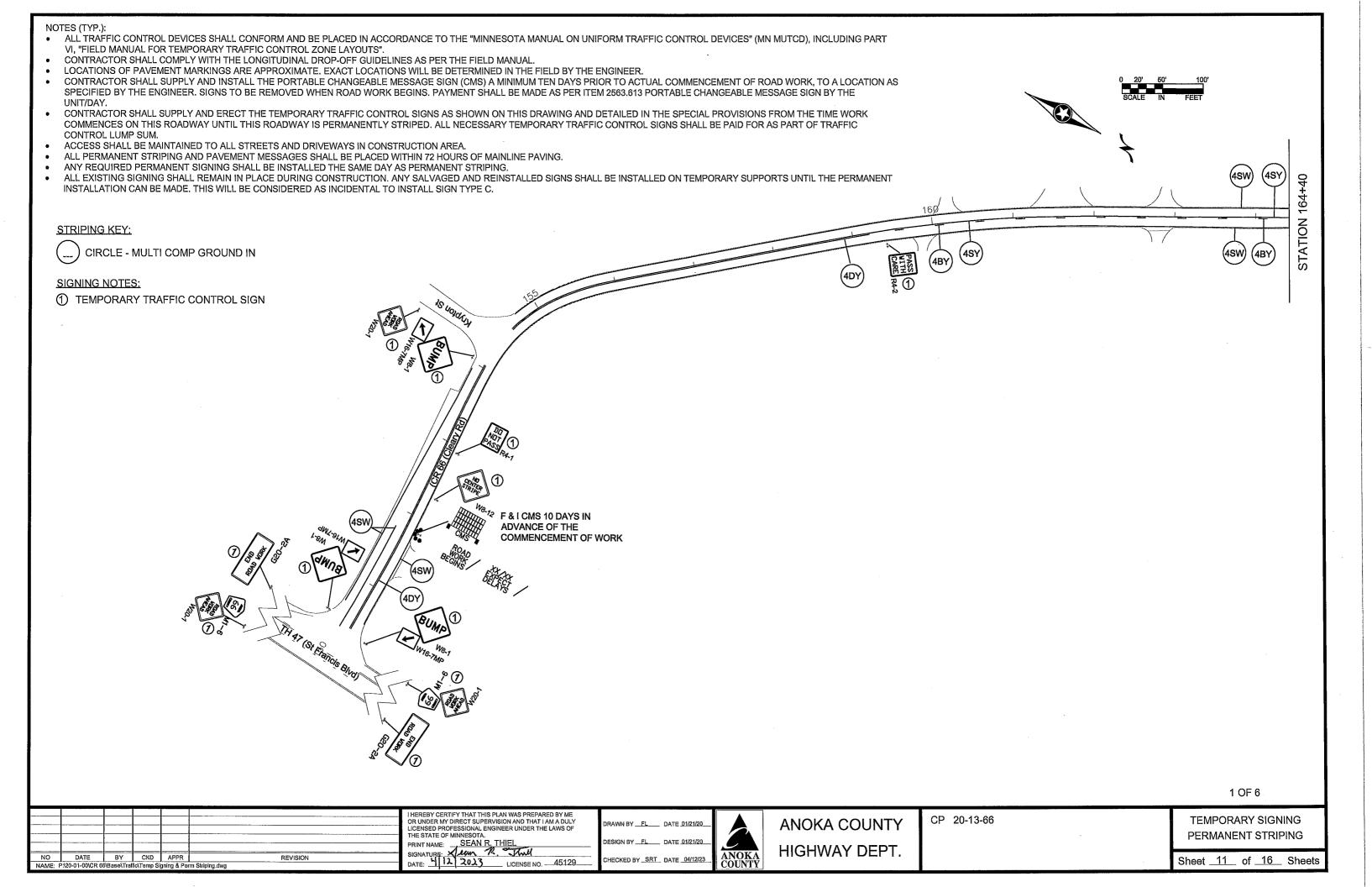
PENTAGON - REMOVABLE PREFORMED

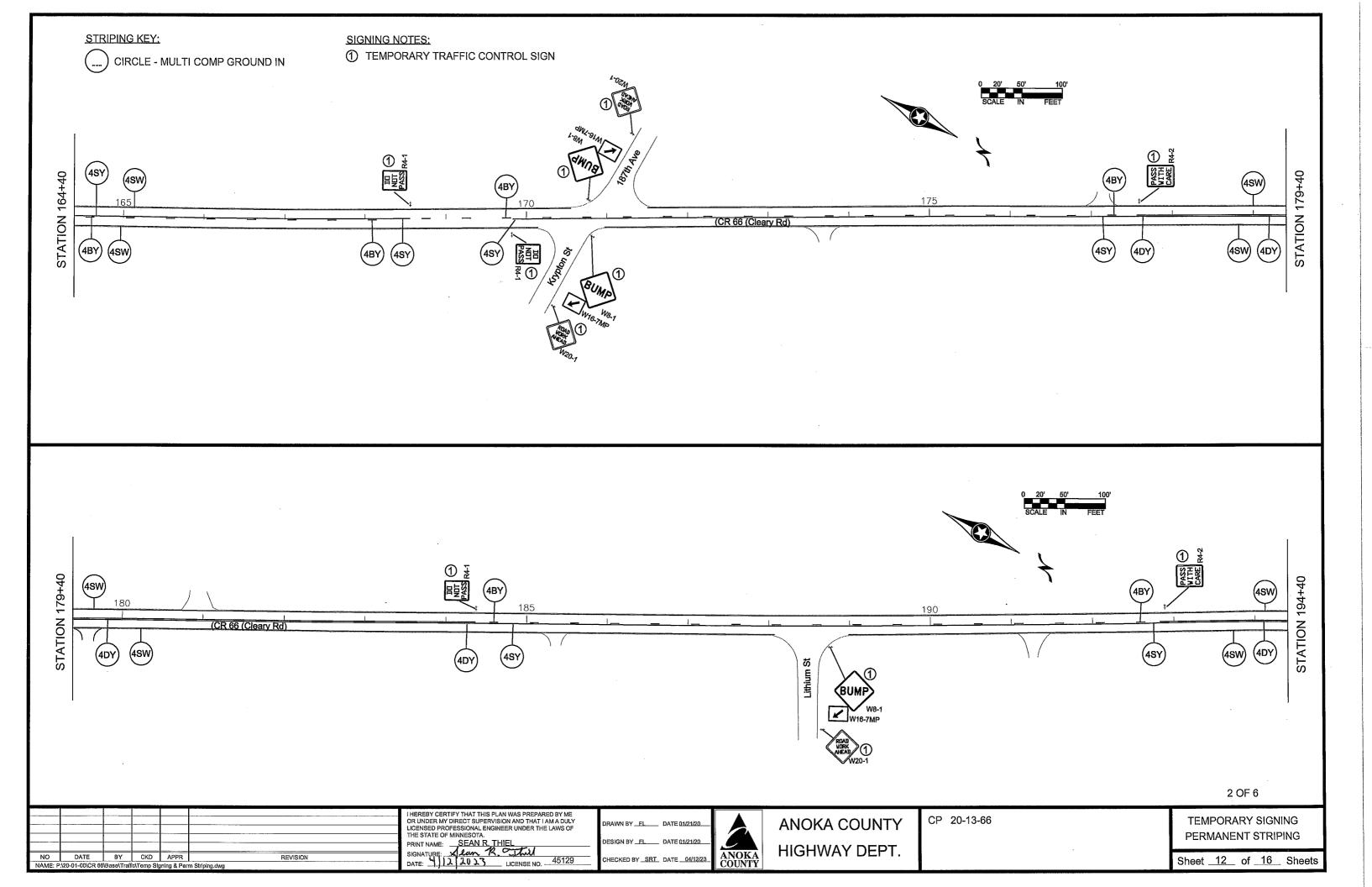


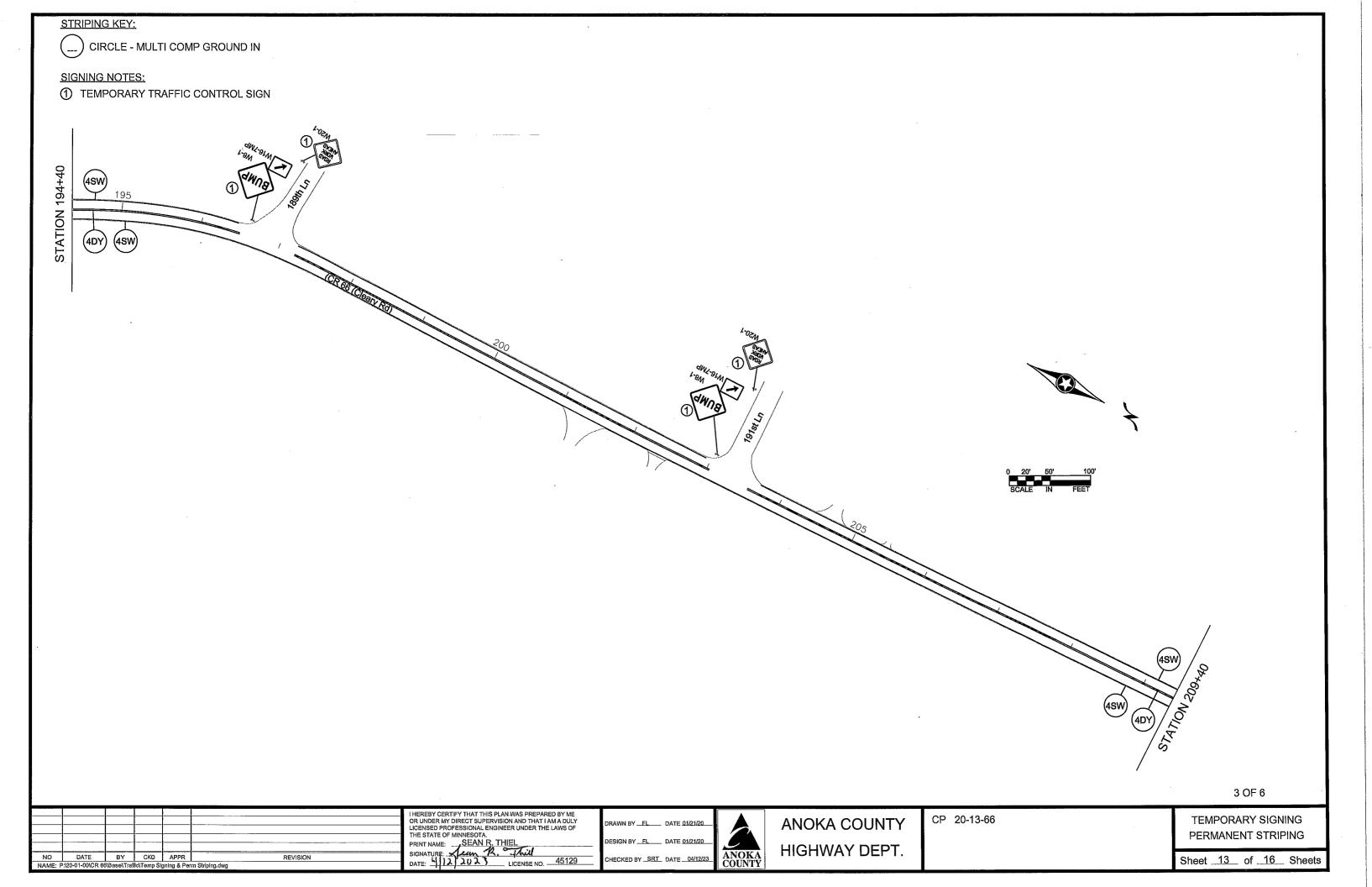
(4SW) = 4" SOLID LINE WHITE - MULTI COMP EXAMPLE:

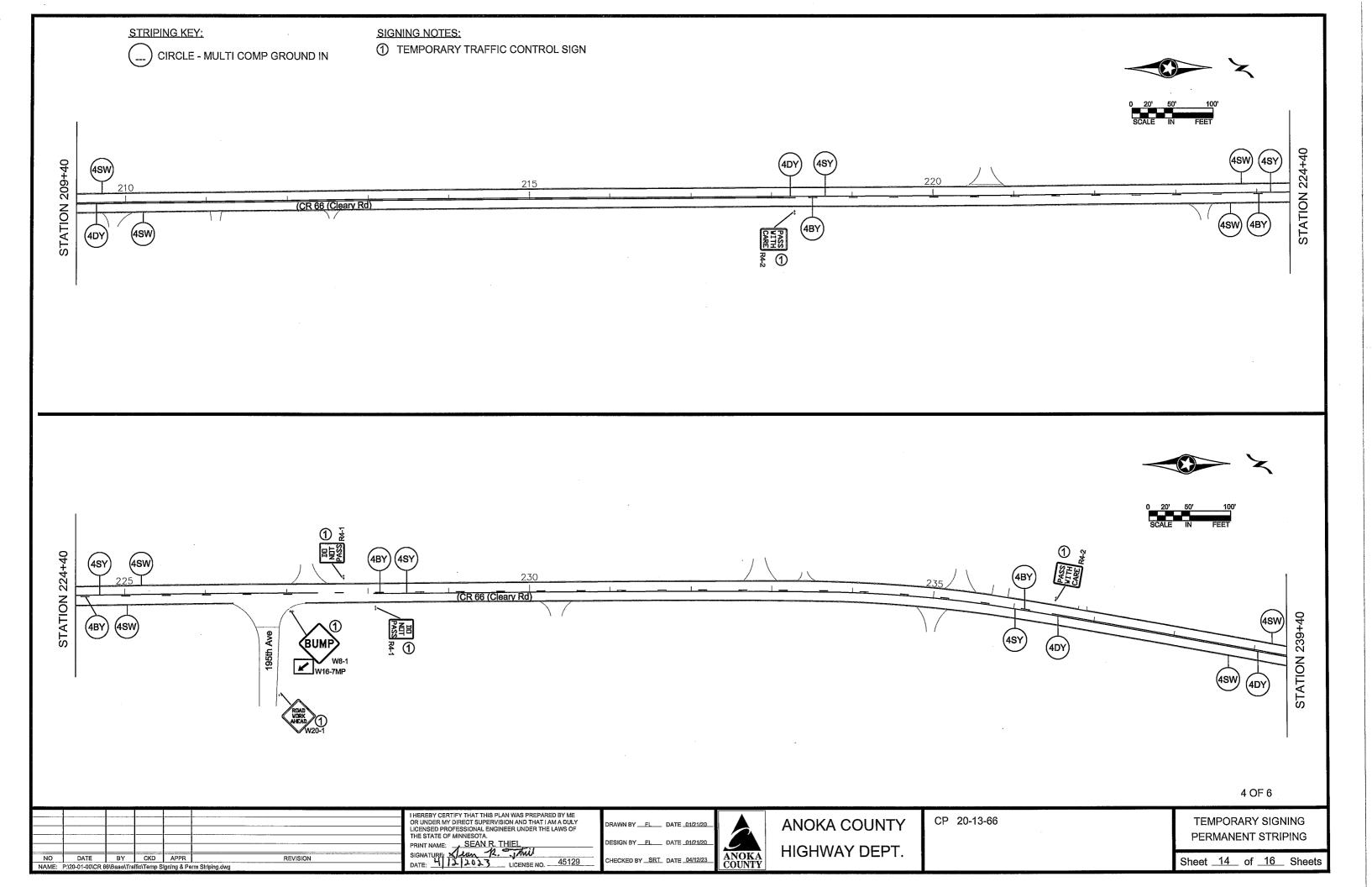
						I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME: SEAN R. THIEL
NO NAME: E	DATE	BY	CKD	APPR	REVISION nt Marking Plan.dwg	SIGNATURE: ALLO ASTERNATION ASSESSMENT ASSES
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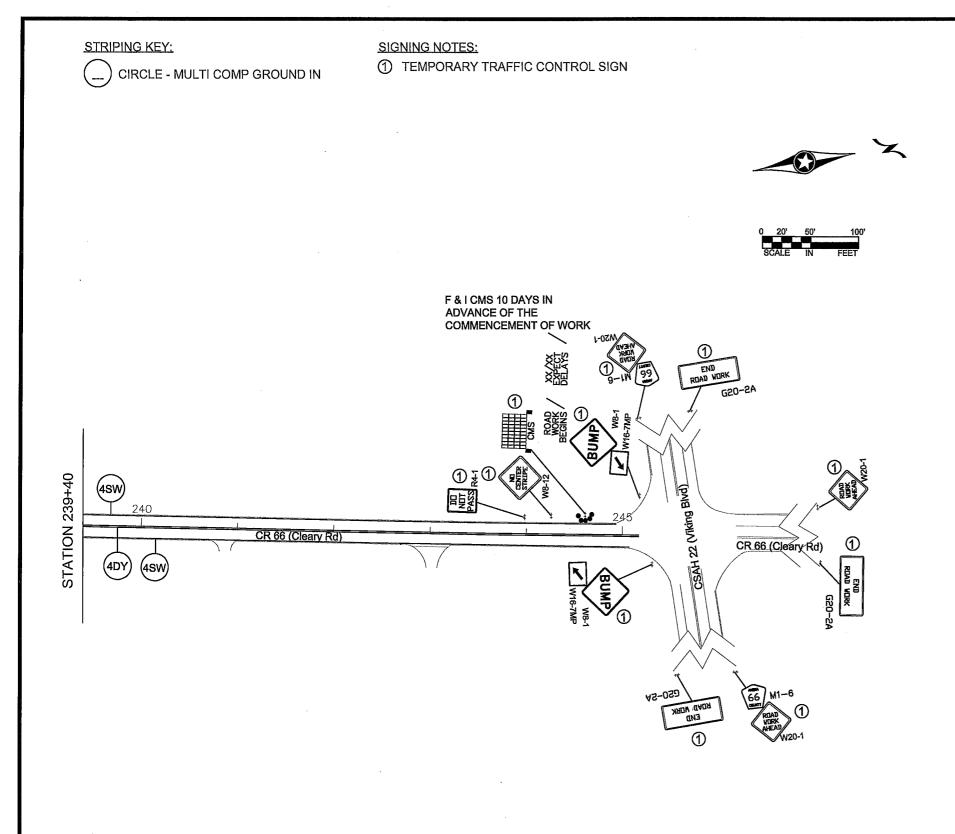












5 OF 6

CP 20-13-66 ANOKA COUNTY HIGHWAY DEPT.
 NO
 DATE
 BY
 CKD
 APPR

 NAME:
 P:120-01-00/CR 66\Base\Traffic\Temp Signing & Perm Striping.dwg
 REVISION

TEMPORARY SIGNING

PERMANENT STRIPING

Sheet 15 of 16 Sheets

TEMPORARY TRAFFIC CONTROL SIGNS

CHANGEABLE MESSAGE BOARD - MESSAGE SEQUENCE LAYOUT

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R4-1	24" x 30"	5.00	DO NOT PASS	7
R4-2	24" x 30"	5.00	PASS WITH CARE	. 5
W3-4	48" x 48"	16.00	BE PREPARED 10 STOP	AS NEEDED
W8-1	48" x 48"	16.00	BUMP	10
W16-7P	30" x 18"	3.75	K	10
W8-1a	48" x 48"	16.00	BUMP	AS NEEDED
W8-8	48" x 48"	16.00	ROUGH	AS NEEDED
W8-9	48" x 48"	16.00	LOW	AS NEEDED
W8-11	48" x 48"	16.00	UNEVEN	AS NEEDED
W8-23	48" x 48"	16.00	NO SHOULDER	AS NEEDED
W8-12a	48" x 48"	16.00	NO CENTER STRIPE	2
M1-6M	24" x 24"	4.00	66	4
W20-1	48" x 48"	16.00	RUAD WIRK AHEAD	AS NEEDED (ESTIMATED 12)
W20-4	48" x 48"	16.00	UNE LANE ROAD AHEAD	AS NEEDED
W20-7	48" x 48"	16.00	(1)	AS NEEDED
G20-2A	48" x 24"	8.00	END ROAD VORK	2

		QUANTITY
REFLECTORIZED REBOUNDABLE DRUM		AS NEEDED (ESTIMATED 10)
CMS sign to be installed a minimum of ten days prior to actual commencement of road work. Signs to be removed when road work begins.	CMS I	2 AT 10 DAYS EA

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

6 OF 6

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NO	DATE	BY	CKD	APPR	REVISION
NAME: P	:\20-01-00\CR 66	\Base\Traff	lc\Temp Sig	ning & Per	m Striping.dwg

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

PRINT NAME: SEAN R. THIEL

SIGNATURE: SIGNA

DRAWN BY_FL___ DATE 01/21/20_

CHECKED BY SRT DATE 04/12/23

ANOKA COUNTY HIGHWAY DEPT.

CP 20-13-66

TEMPORARY SIGNING PERMANENT STRIPING

Sheet 16 of 16 Sheets