

	STATEMENT OF	ESTIMATED Q	UANTITIES	
ПЕМ NO.	ПЕМ	NOTES	UNIT	TOTAL PROJECT QUANTITIES ESTIMATED
2021.501	MOBILIZATION		LUMP SUM	1
2101.501	CLEARING		ACRE	0.10
2101.502	CLEARING		TREE	21
2101.506	GRUBBING		ACRE	0.40
2101.507	GRUBBING		TREE	21
2104.501	REMOVE PIPE CULVERTS		LIN FT	550
2104.505	REMOVE BITUMINOUS PAVEMENT		SQ YD	622
2104.509	REMOVE PIPE APRON		EACH	18
2104.513	SAWING BIT PAVEMENT (FULL DEPTH)		LIN FT	528
2123.503	MOTOR GRADER	1	HOUR	16
2211.501	AGGREGATE BASE CLASS 5	2	TON	179
2221.501	SHOULDER BASE AGGREGATE CLASS 5	3	TON	1408
2232.501	MILL BITUMINOUS SURFACE (2.0")	4	SQ YD	208
2357.502	BITUMINOUS MATERIAL FOR TACK COAT		GALLON	4593
2360.501	TYPE SP 12.5 WEARING COURSE MIX (4,E)		TON	10565
2360.501	TYPE SP 12.5 WEARING COURSE MIX (4,E)	5	TON	341
2501.511	18" PC-CS PIPE CULVERT		LIN FT	316
2501.511	24" PC-CS PIPE CULVERT		LIN FT	58
2501.511	36" PC-CS PIPE CULVERT		LIN FT	60
2501.511	48" PC-CS PIPE CULVERT		LIN FT	42
2501.511	60" PC-CS PIPE CULVERT		LIN FT	82
2501.515	18" PC-CS PIPE APRON		EACH	10
2501.515	24" PC-CS PIPE APRON		EACH	2
2501.515	36" PC-CS PIPE APRON		EACH	2
2501.515	48" PC-CS PIPE APRON		EACH	2
2501.515	60" PC-CS PIPE APRON		EACH	2
2540.602	INSTALL MAIL BOX SUPPORT	6	EACH	89
2563.601	TRAFFIC CONTROL	7,8,9	LUMP SUM	1
2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	10	UNIT DAY	14
2573.502	SILT FENCE, TYPE MS		LINFT	540
2575.523	EROSION CONTROL BLANKETS CATEGORY 0	12	SQ YD	2300
2581.501	REMOVABLE PREFORMED PAVEMENT MARKING TAPE	11	LINFT	1192
2582.502	4" SOLID LINE WHITE-EPOXY	13	LIN FT	59642
2582.502	4" BROKEN LINE WHITE-EPOXY	13	LIN FT	40
2582.502	4" SOLID LINE YELLOW-EPOXY	13	LIN FT	20840
2582.502	4" BROKEN LINE YELLOW-EPOXY	13	LIN FT	4380
2582.502	4" DOUBLE SOLID LINE YELLOW-EPOXY	13	LIN FT	7846

	CONSTRUCTION NOTES
1	INCLUDES TIME AND EQUIPMENT.
2	GRAVEL BASE FOR CONCRETE, BITUMINOUS STREET APPROACHES, DRIVEWAYS, AND CULVERT PATCHES.
3	ITEM INCLUDES 5 TONS FOR EACH GRAVEL ENTRANCE.
4	ITEM INCLUDES 2" DEEP MILL AT BEGINNING AND END OF PROJECT, ALL PAVED ST APPROACHES, AND DRIVEWAYS; SEE DETAILS FOR DIMENSIONS
5	TO BE USED FOR STREET APPROACHES AND CULVERT PATCHES.
6	MAILBOXES ARE TO BE INSTALLED AT THE EXISTING MAILBOX LOCATION OR AS DIRECTED BY THE LOCAL POSTAL AUTHORITY.
7	ALL TRAFFIC CONTROL METHODS SHALL CONFORM TO THE CURRENT "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
8	DO NOT PASS, PASS WITH CARE AND NO CENTER STRIPE SIGNS TO BE INPLACE DURING MILLING, RECLAIMING OR PAVING OPERATIONS.
9	"DETOUR IS PAID UNDER THE TRAFFIC CONTROL ITEM."
10	2 MESSAGE BOARDS, ONE ON THE EACH END OF PROJECT WILL BE INSTALLED 7 DAYS PRIOR TO ANY CONSTRUCTION; REFERANCE STRIPING PLAN FOR DETAILS.
11	CENTERLINE SKIPS TO BE APPLIED AS SOON AS POSSIBLE ON EACH NEW LIFT OF PAVEMENT; TO BE INPLACE BEFORE CONTRACTOR LEAVES FOR THE DAY. CONTRACTOR IS TO REMOVE PRIOR TO FINAL PAINT STRIPING.
12	SEEDING, TYPE 4 FERTILIZER, 240 SEED AND PLACEMENT OF TOPSOIL ARE INCIDENTAL TO BLANKET.
13	FINAL STRIPING SHALL BE INSTALLED WITHIN 72 HOURS OF COMPLETION OF MAINLINE WEAR COURSE PAVING.

	BASIS OF PLANNED QUANTITIES					
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	.05 GAL / SQ YD				
2211.501	AGGREGATE BASE CLASS 5	1.8 TON / CU YD				
2360.501	ALL BITUMINOUS PAVEMENT	115 LB /SQ YD / IN. THICKNESS				

		REVISION	04/17/2014	7:37:03 AM

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: ANDREWWITTER
SIGNATURE:
DATE: ICENSE NO. 42757

DRAWN BY KPR DATE 2/03/2014 DESIGN BY KPR DATE 2/03/2014

ANOKA COUNTY CHECKED BY DFF DATE 04/17/2014

ANOKA COUNTY HIGHWAY DEPT.

STATEMENT OF ESTIMATED QUANTITIES

14-48-17 COUNTY PROJECT.

Sheet 2 of 34 Sheets

# **LEXINGTON AVE (CSAH 17)**

## **PROPOSED**

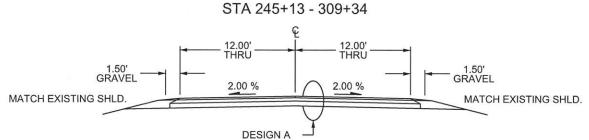
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STA 146+97 - 180+67

STA 187+49 - 191+72

STA 200+15 - 216+70

STA 219+60 - 243+47



## **LEXINGTON AVE (CSAH 17)**

## PROPOSED

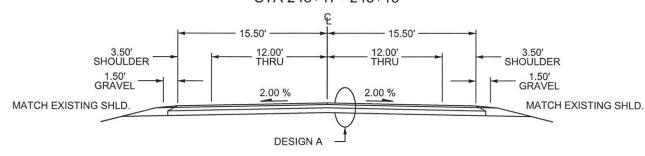
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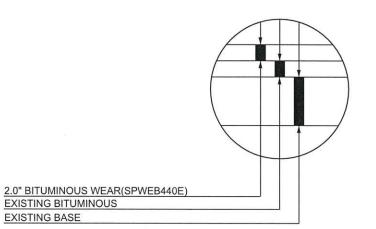
STA 216+70 - 219+60

STA 243+47 - 245+13



COUNTY PROJECT

# **DESIGN A OVERLAY SECTION**



NO DATE BY CKD APPR REVISION 7:37:08 AM 04/17/2014

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.

RAWN BY \_\_\_\_KPR \_\_\_ DATE \_2/03/201



ANOKA COUNTY HIGHWAY DEPT.

TYPICAL SECTIONS

14-48-17

Sheet 3 of 34 Sheets

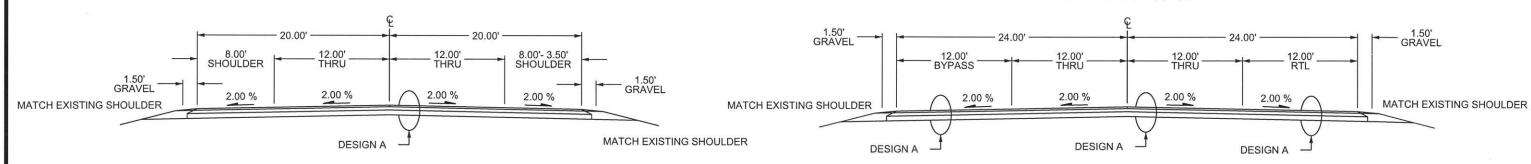
# LEXINGTON AVE (CSAH 17) PROPOSED ROAD

STA 11+45 - 46+35

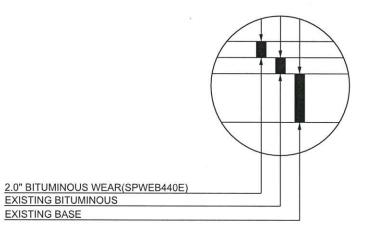
# LEXINGTON AVE (CSAH 17)

RIGHT TURN & BYPASS LANE

STA 46+53 - 55+01



# DESIGN A OVERLAY SECTION



NO	DATE	BY	CKD	APPR	REVISION	04/17/2014	7:37:21 AM

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 MINNESQTA.

PRINT NAME: ANDRIN WITTER

DRAWN BY <u>KPR</u> DATE <u>2/03/2014</u>

DESIGN BY <u>KPR</u> DATE <u>2/03/2014</u>

HECKED BY DFF DATE 04/17/20



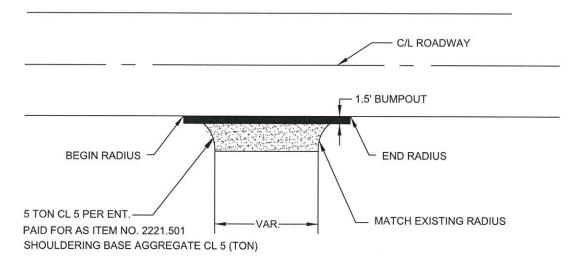
ANOKA COUNTY HIGHWAY DEPT.

DEPT. COUNTY PROJECT \_\_\_\_\_\_\_14-48-17

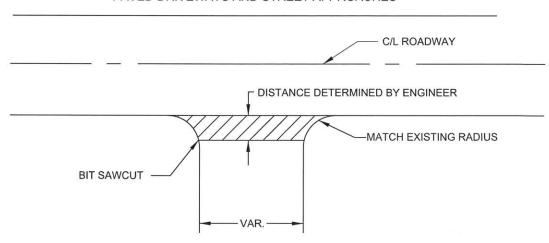
TYPICAL SECTIONS

Sheet 4 of 34 Sheets

## GRAVEL DRIVEWAYS, FIELD ENTRANCES, AND STREET APPROACHES



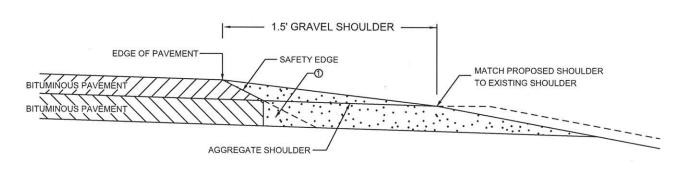
### PAVED DRIVEWAYS AND STREET APPROACHES



DRIVEWAYS AND STREET APPROACHES BUMPED OUT AND PAVED WITH MAINLINE PAID AS MAINLINE.

# SHOULDER DETAIL

BITUMINOUS SAFETY EDGE GRAVEL SHOULDER



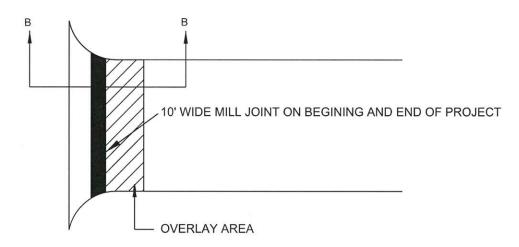
SAFETY EDGE TO BE USED IN ALL NON-CURB AREAS ON SHOULDER.

① OPTIONAL DESIGN EXTENDS SAFETY EDGE DEEPER THAN 6" AND WIDER THAN 10.5".

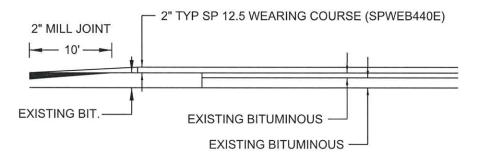
NOT TO SCALE

	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>KPR</u> DATE <u>2/03/2014</u>	A	ANOKA COUNTY			MISCELLANEOUS DETAILS
	PRINT NAME: ANDREW WITTER	DESIGN BY <u>KPR</u> DATE <u>2/03/2014</u>	5	LICHWAY DEDT			
NO         DATE         BY         CKD         APPR         REVISION         04/17/2014         7:37:25 AM           NAME:         P:/14-01-00/CSAH_17_(NofCSAH18-CSAH22) Base\PROPOSED\PLAN.dgn	DATE: LICENSE NO. 42757		ANOKA COUNTY	HIGHWAY DEPT.	COUNTY PROJECT	14-48-17	Sheet 5 of 34 Sheets

# MAINLINE JOINT DETAILS

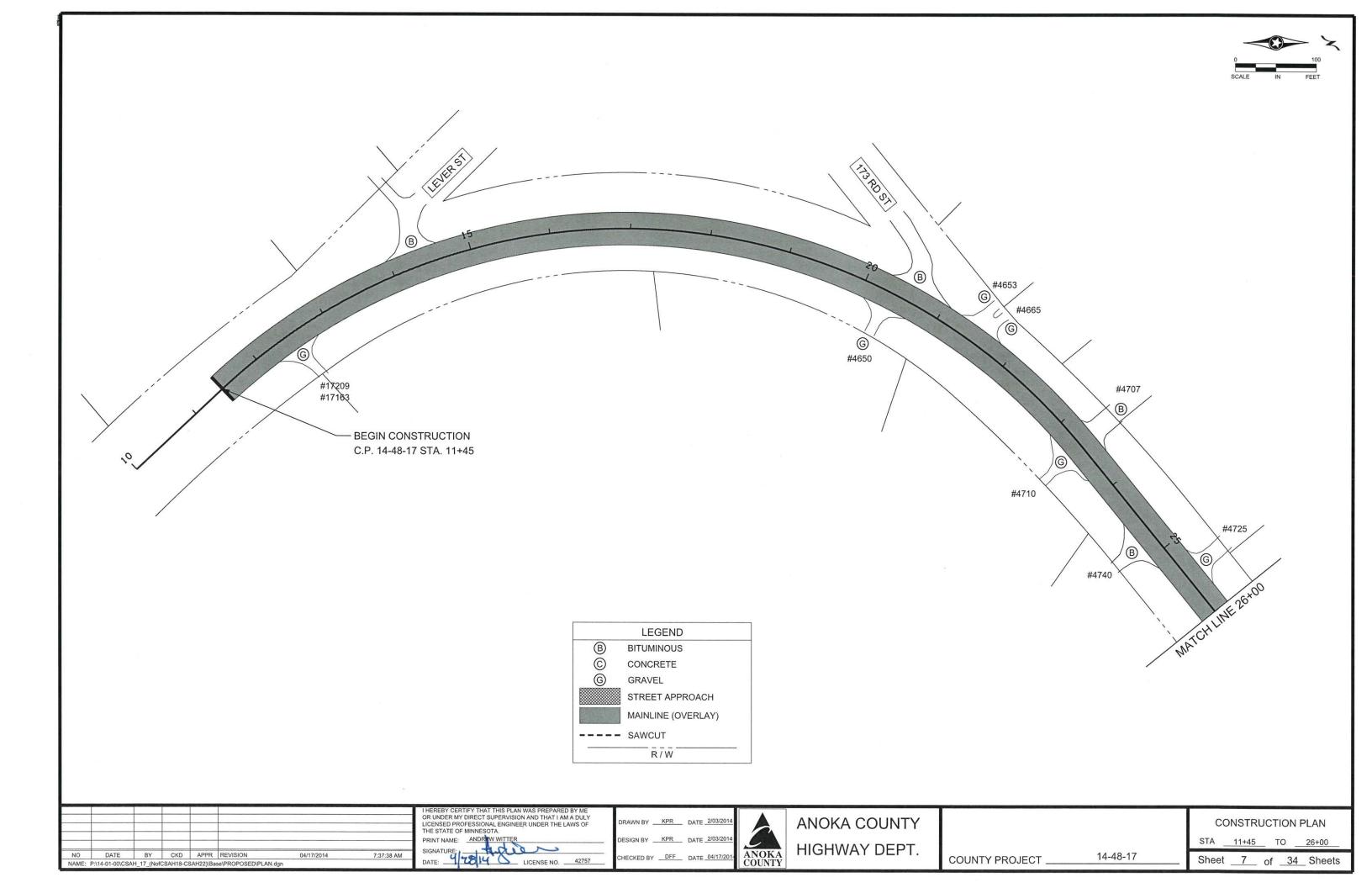


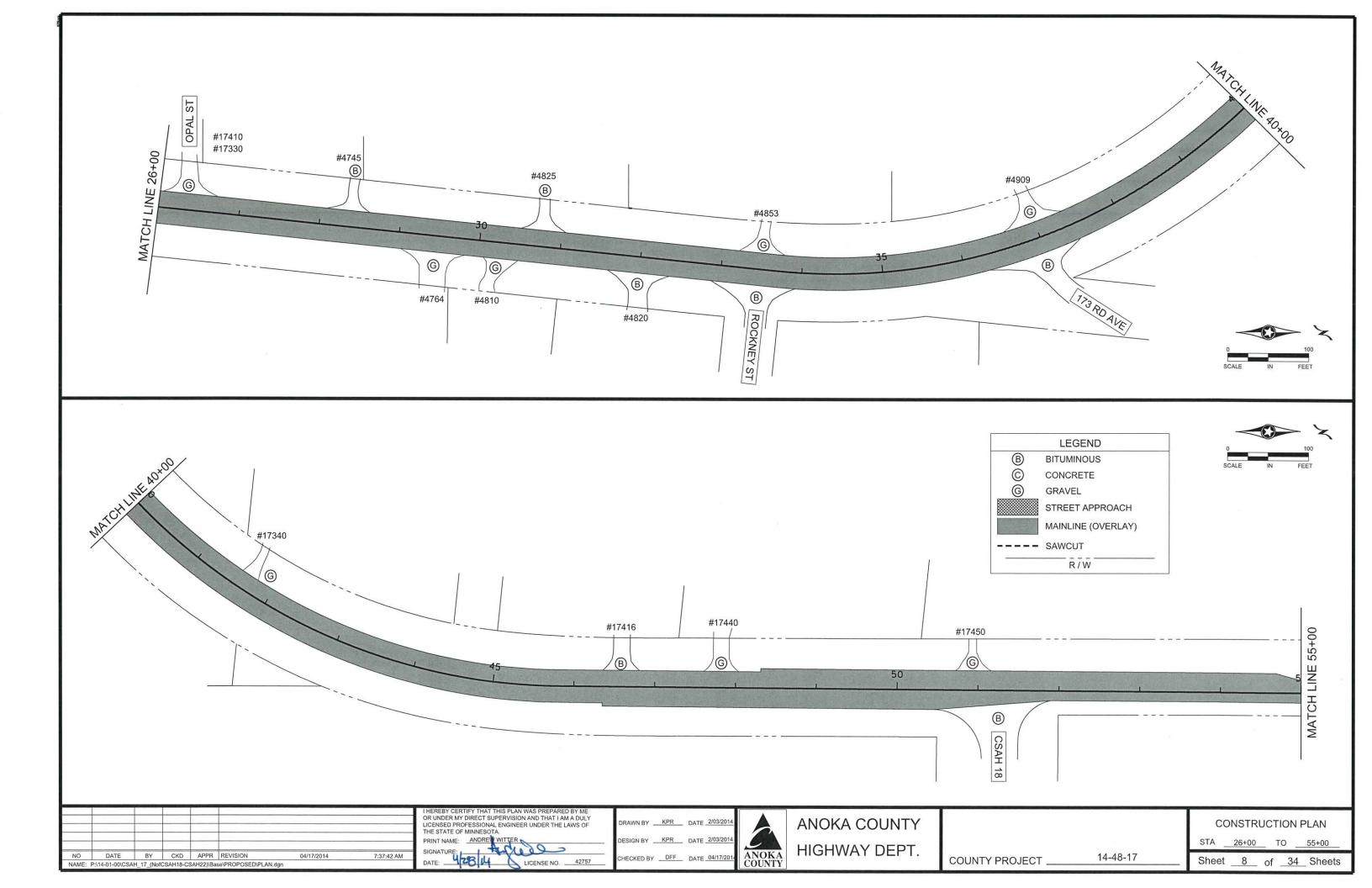
## JOINT DETAILS B - B

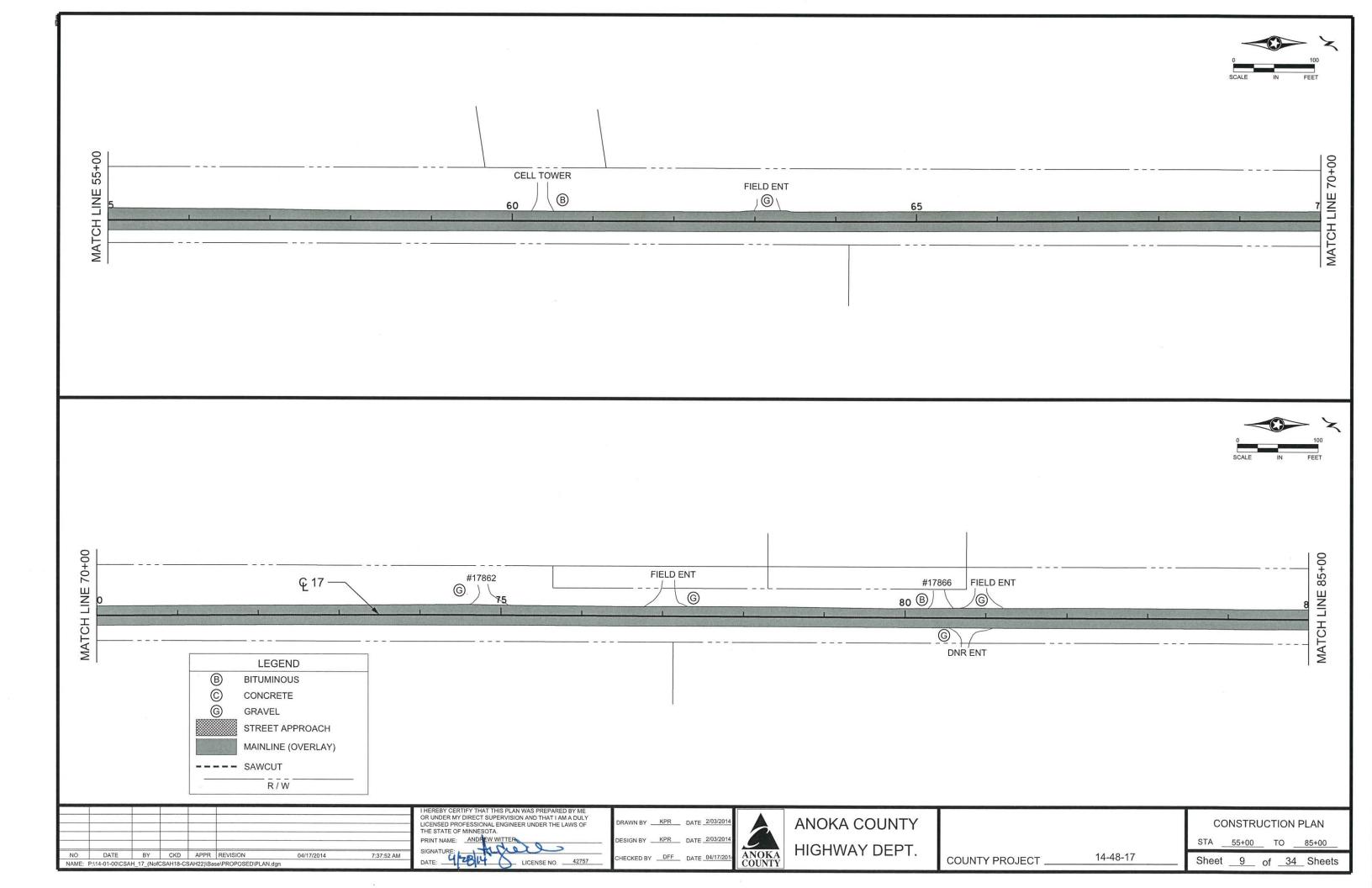


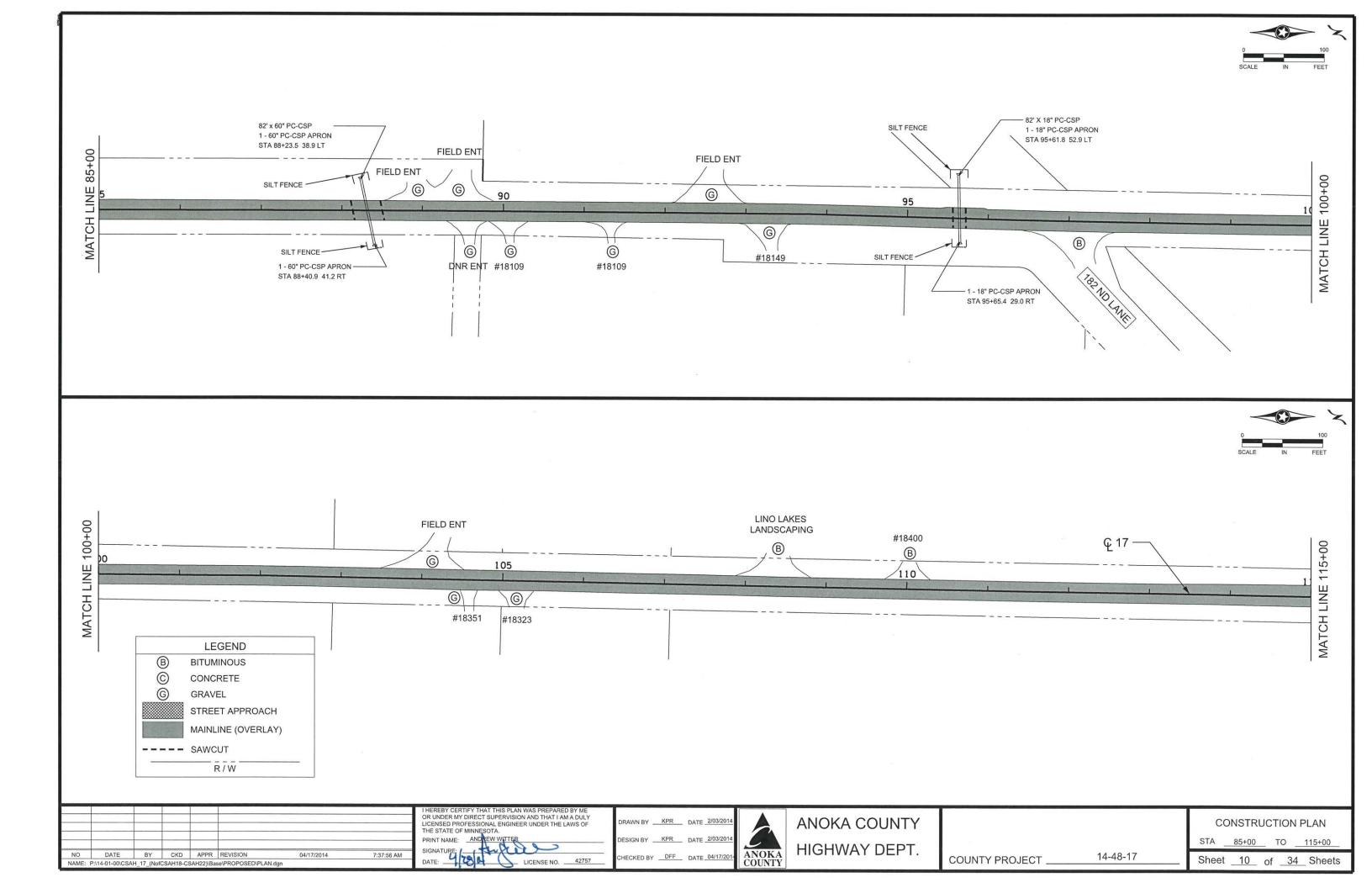
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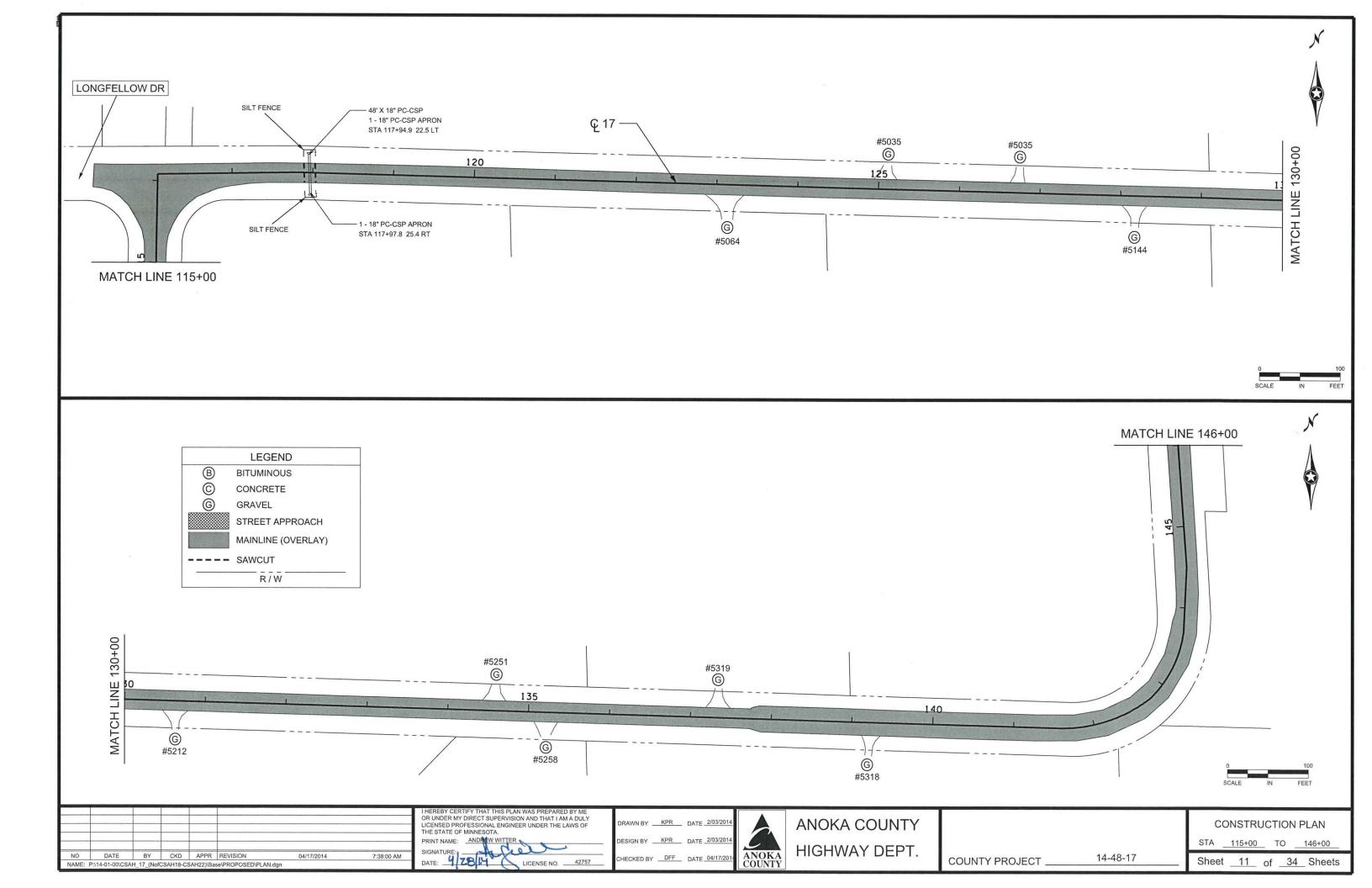
	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	DRAWN BYKPR DATE _2/03/2014	ANOKA COUNTY		MISCELLANEOUS DETAILS
	PRINT NAME: ANDREW WITTER	DESIGN BYKPR DATE _2/03/2014	LICHWAY DEDT		
NO         DATE         BY         CKD         APPR         REVISION         04/17/2014         7:37:30 AM           NAME:         P:114-01-00\CSAH_17_(NofCSAH18-CSAH22)\Base\PROPOSED\PLAN.dgn	DATE: 42814 LICENSE NO. 42757	CHECKED BY DFF DATE 04/17/2014	ANOKA COUNTY	COUNTY PROJECT14-48-17	Sheet 6 of 34 Sheets

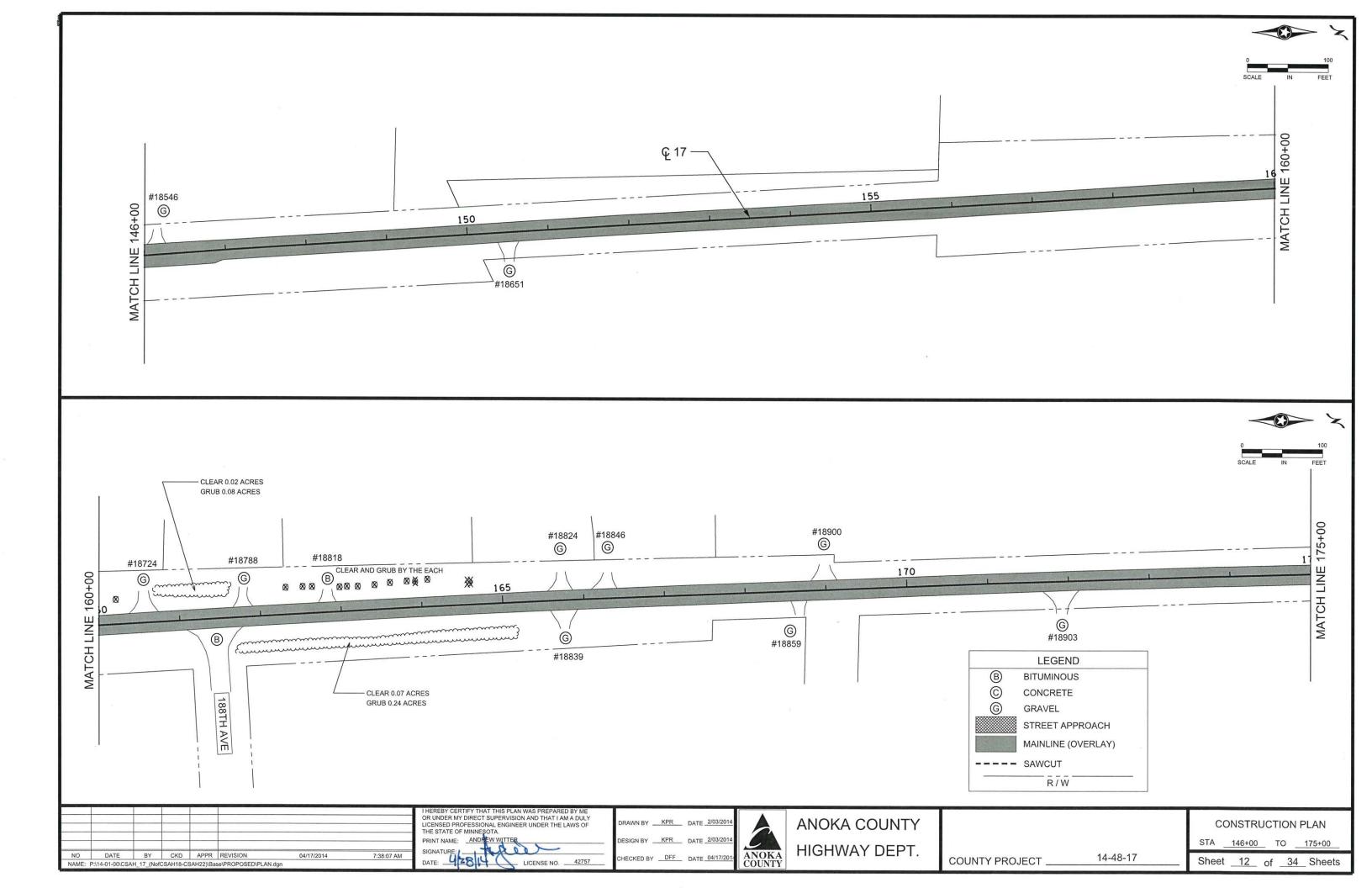


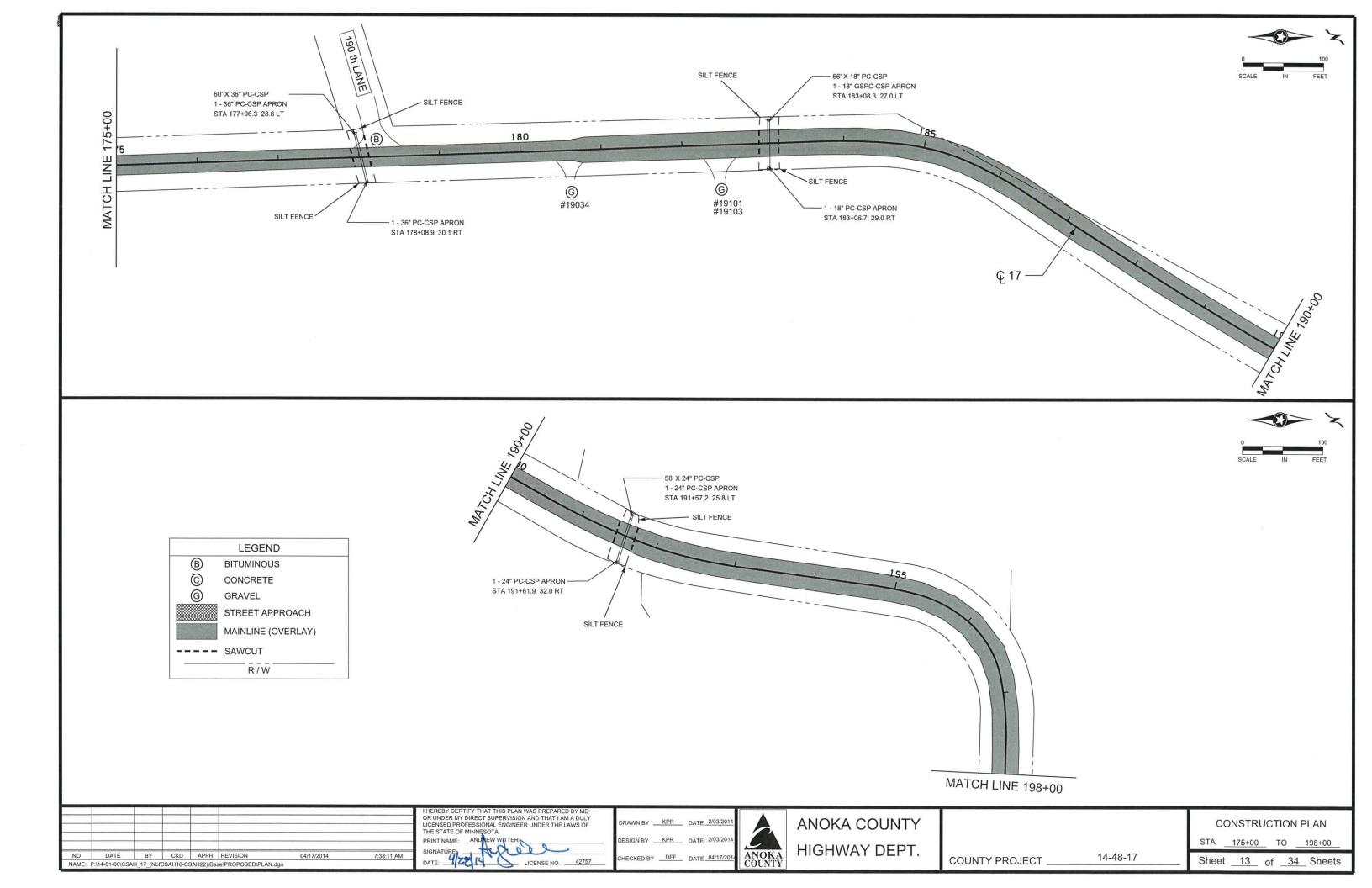


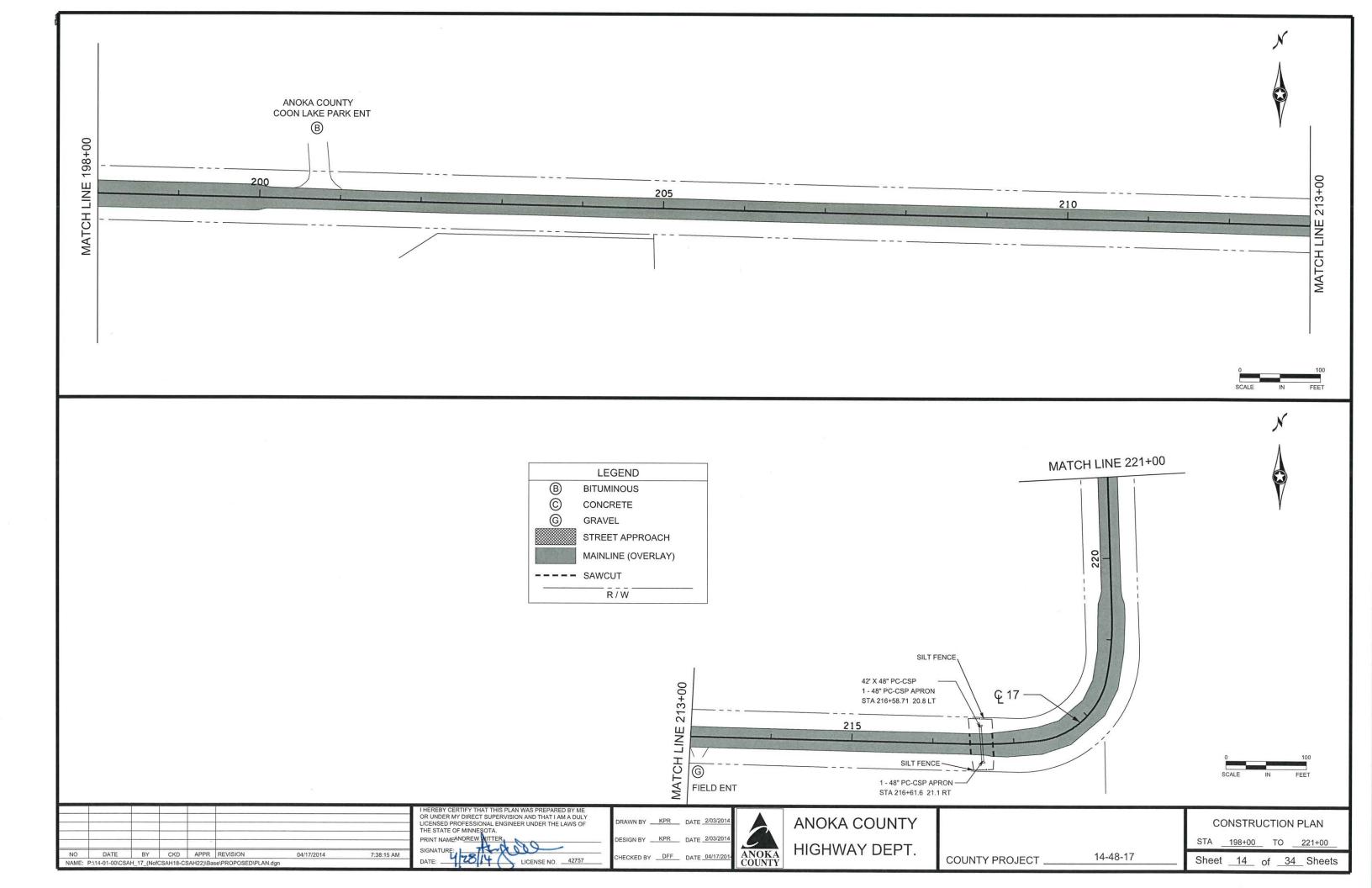


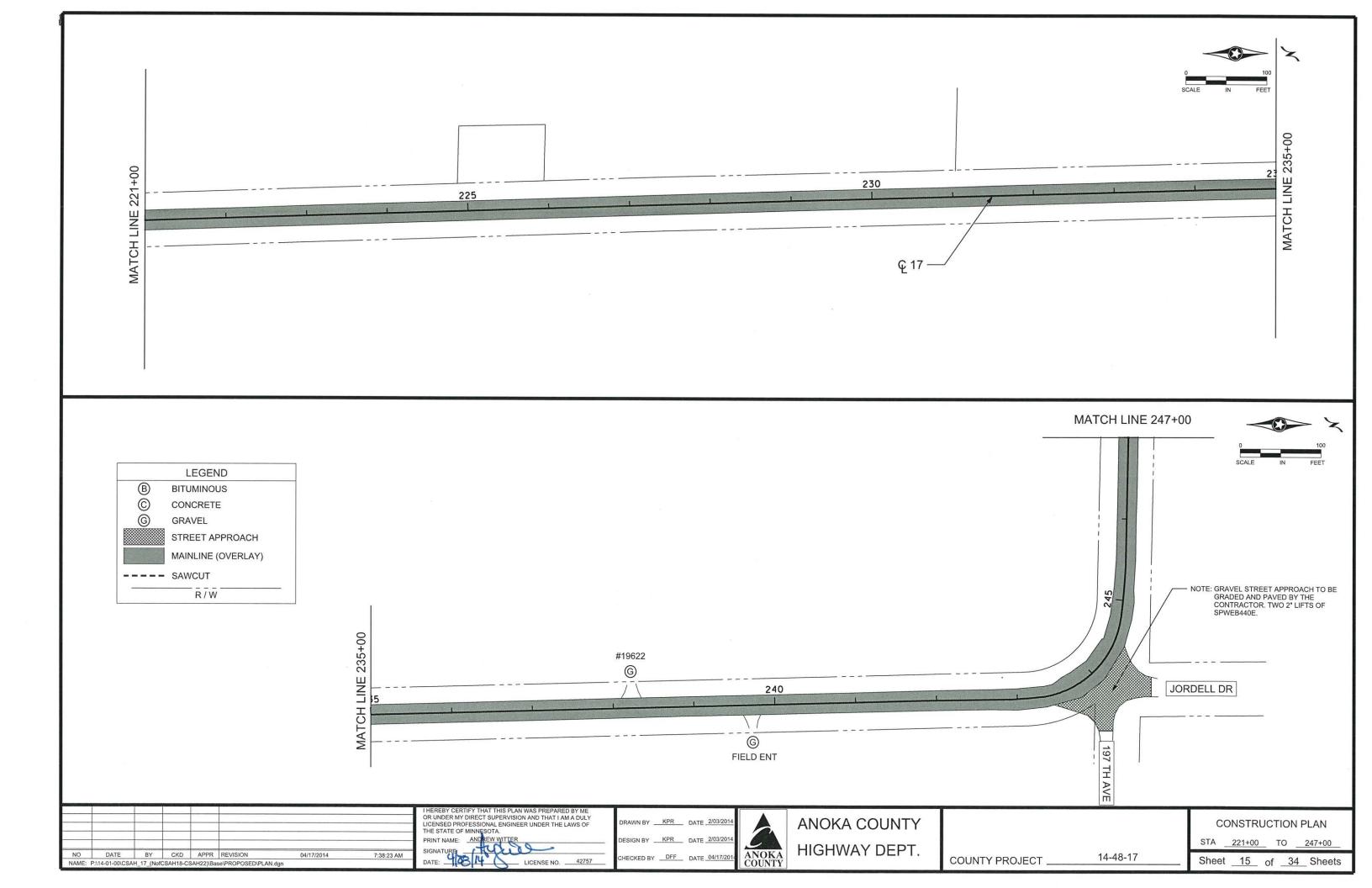


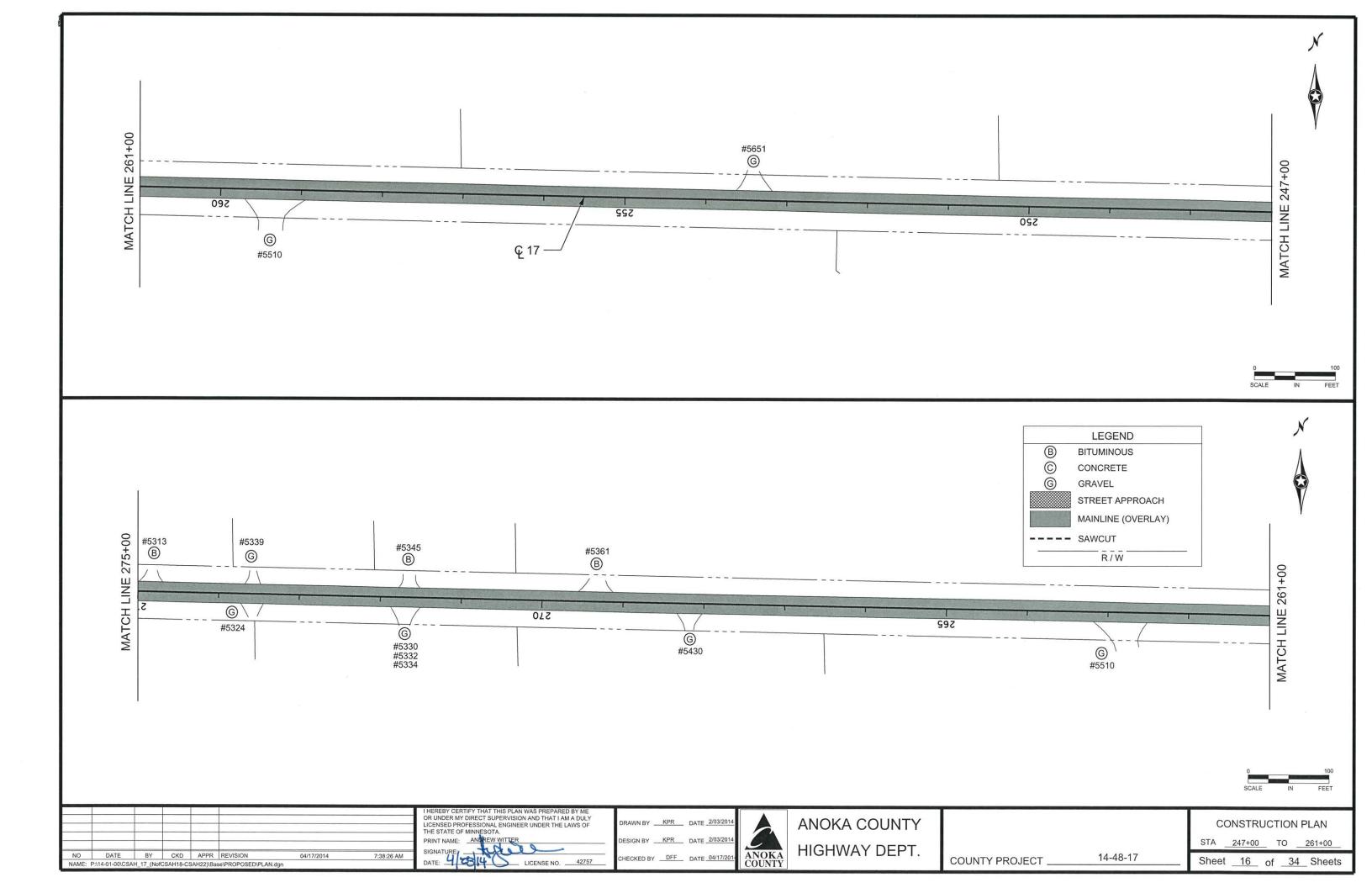


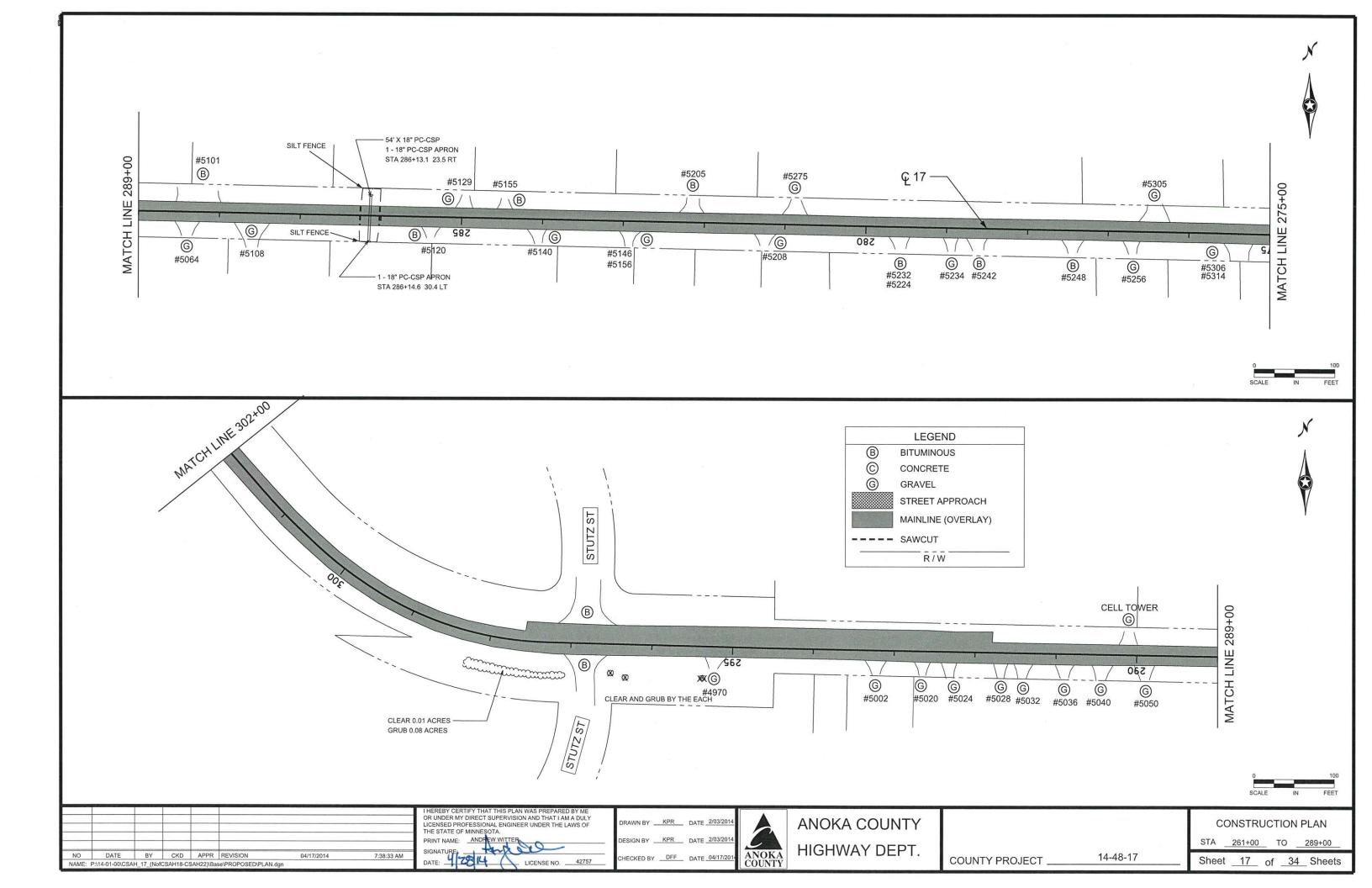


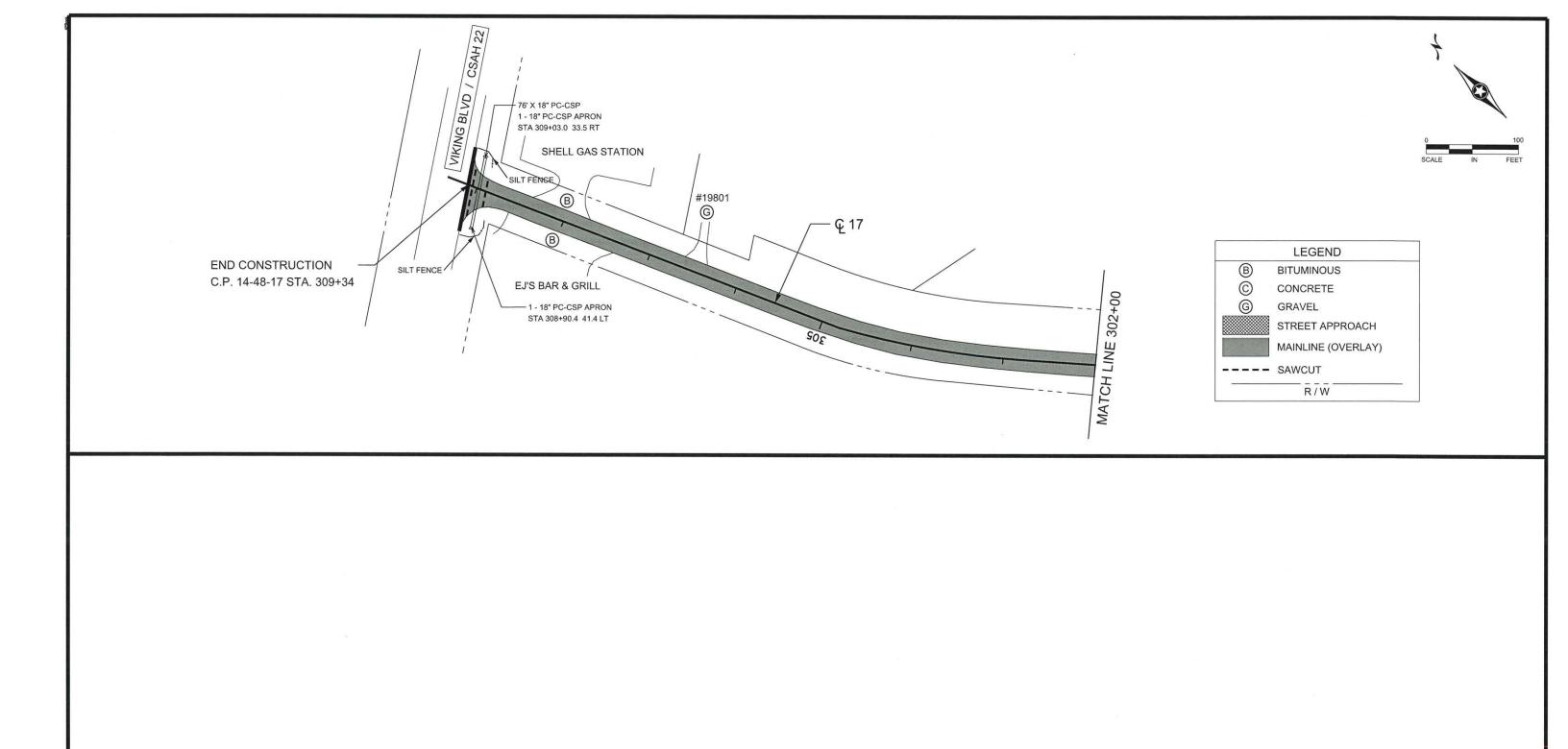












NO DATE BY CKD APPR REVISION 04/17/2014 7:38:38 AM

NAME: P:\14-01-00\CSAH\_17\_(NofCSAH18-CSAH22)\Base\PROPOSED\PLAN.dgn

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: ANDRIW WITTER

SIGNATURE:

DATE: LICENSE NO. 42757

ECT SUPERVISION AND THAT I AM A DULY SISIONAL ENGINEER UNDER THE LAWS OF INESOTA.

NDRW WITTER

DESIGN BY KPR DATE 2/03/2014

CHECKED BY DFF DATE 04/17/201-



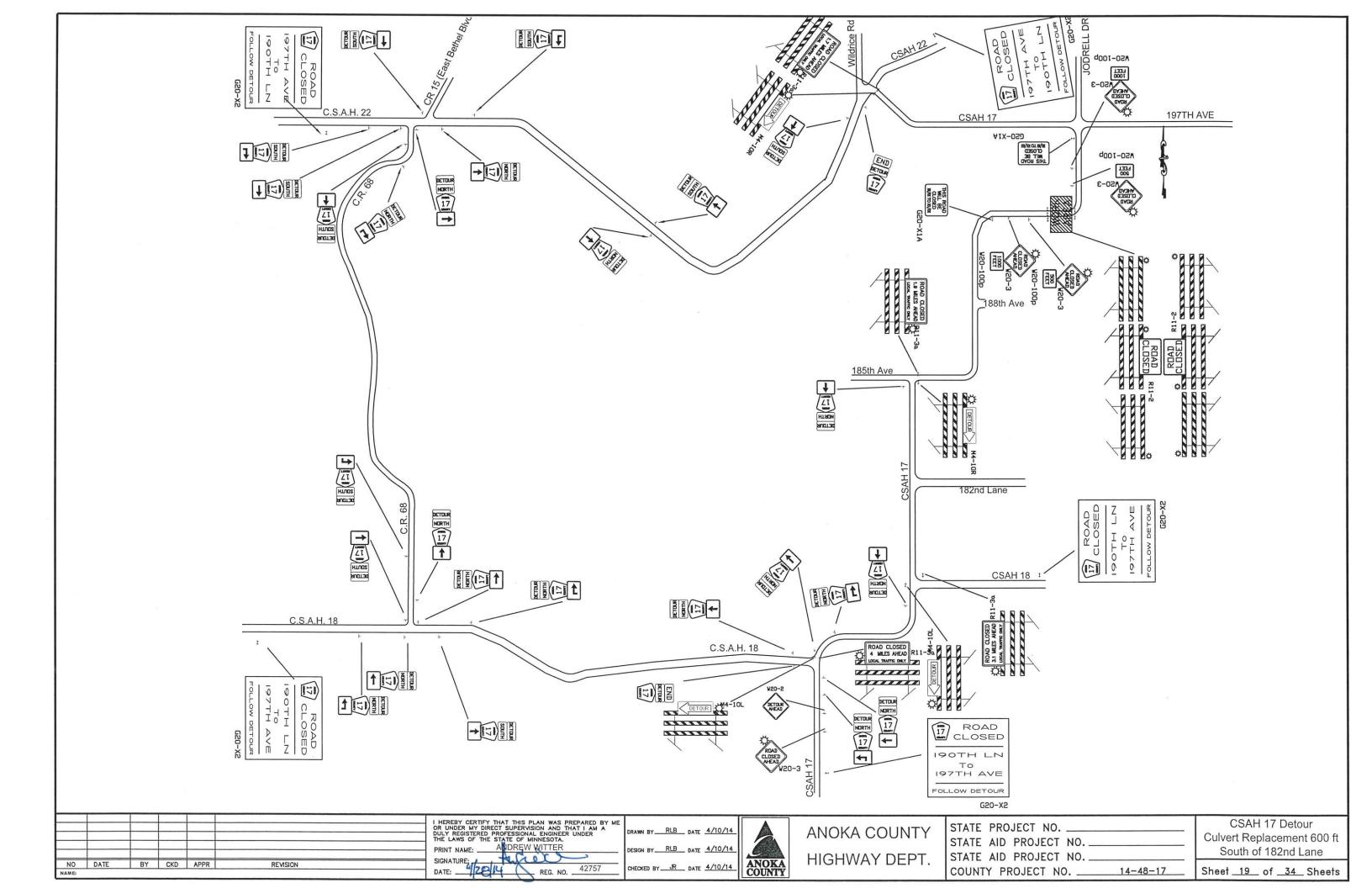
ANOKA COUNTY HIGHWAY DEPT.

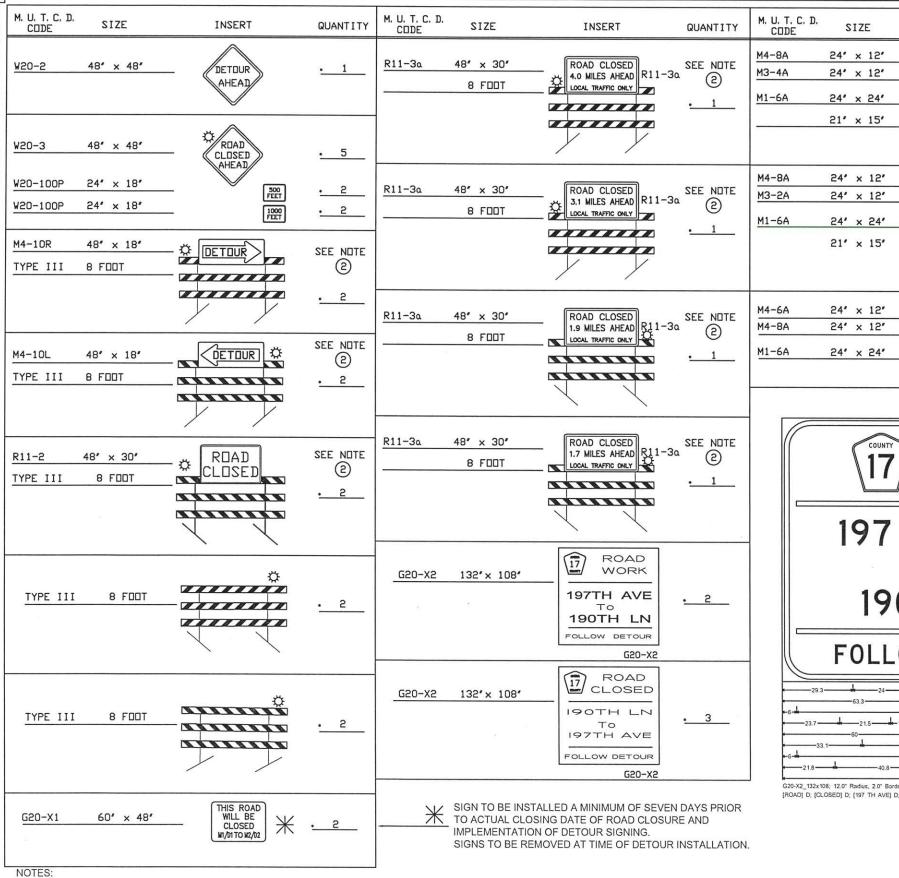
CONSTRUCTION PLAN

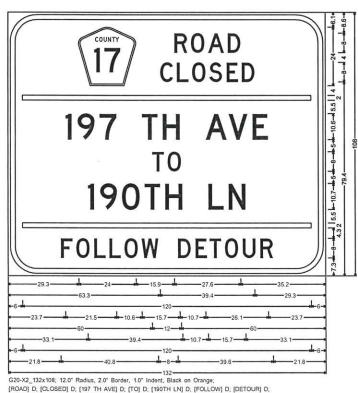
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STA <u>289+00</u> TO <u>309+34</u>

Sheet <u>18</u> of <u>34</u> Sheets







INSERT

M6-1AR

M6-1AL

M6-3A

DETOUR

NORTH

MOXA 17

DETOUR

SOUTH 17

M5-1AR →

M5-1AL ←

M5-1AR →

M6-1AR →

M5-1AL

M6-1AL

M6-3A

END

DETOUR

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QUANTITY

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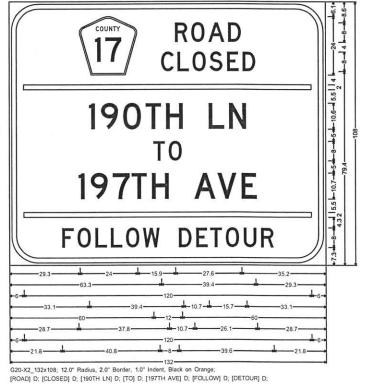
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- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE PLACED IN ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC
- CONTROL DEVICES (MN MUTCD), AND PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS" DATED FEBRUARY, 2011 2. ALL TYPE III BARRICADES SHALL BE REFLECTORIZED ON BOTH SIDES, BARRICADE MARKINGS SHALL BE SLANTED IN ACCORDANCE WITH THE

					I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME:  ANDREW WITTER
NO DATE	BY	CKD	APPR	REVISION	SIGNATURE; DATE: REG. NO. 42757

DRAWN BY RLB DATE 4/10/14 CHECKED BY JR DATE 4/10/14



ANOKA COUNTY HIGHWAY DEPT.

STATE PROJECT NO. STATE AID PROJECT NO. STATE AID PROJECT NO. COUNTY PROJECT NO. \_ 14-48-17

CSAH 17 Detour Culvert Replacement 600 ft South of 182nd Lane

Sheet 20 of 34 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.

#### EPOXY:

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 EPOXY PAVEMENT MARKINGS.

THE EPOXY MARKING APPLICATION SHALL IMMEDIATELY FOLLOW THE PAVEMENT CLEANING. GLASS BEANS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE EPOXY RESIN LINE TO PROVIDE AN IMMEDIATE NO-TRACK SYSTEM.

AN EPOLY RESIN LINE 4" WIDE AND 15 MILL THICKNESS (WET), REQUIRES AN APPLICATION RATE OF ONE (1) GALLON OF COMPONENTS FOR 320 FEET OF LINE. GLASS BEADS SHALL BE APPLIED AT A POUND 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 APPLICAITON 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 FILM 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.

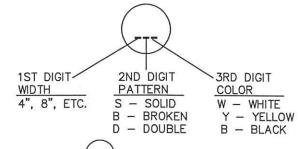
PERMANENT PAVEMENT MARKING QUANITIES				
ITEM	UNIT	TOTAL QUANTITY		
4" Solid Line White - Epoxy	LIN FT	59642		
4" Broken White Line - Epoxy (10ft stripe/40 ft gap)	LIN FT	40		
4" Solid Line Yellow - Epoxy	EACH	20840		
4" Broken Yellow Line - Epoxy (10ft stripe/40 ft gap)	LINFT	4380		
4" Solid Double Yellow Line - Epoxy	LINFT	7846		

### SYMBOLS & MATERIALS LEGEND

- CROSSWALK BLOCK WHITE PREFORMED THERMOPLASTIC
- PAVEMENT MESSAGE (LEFT ARROW)
   PREFORMED THERMOPLASTIC

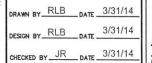
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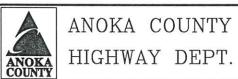
- CIRCLE EPOXY --- SQUARE PREFORMED THERMOPLASTIC
- TRIANGLE PAINT
- PENTAGON REMOVABLE PREFORMED
  PLASTIC MARKING



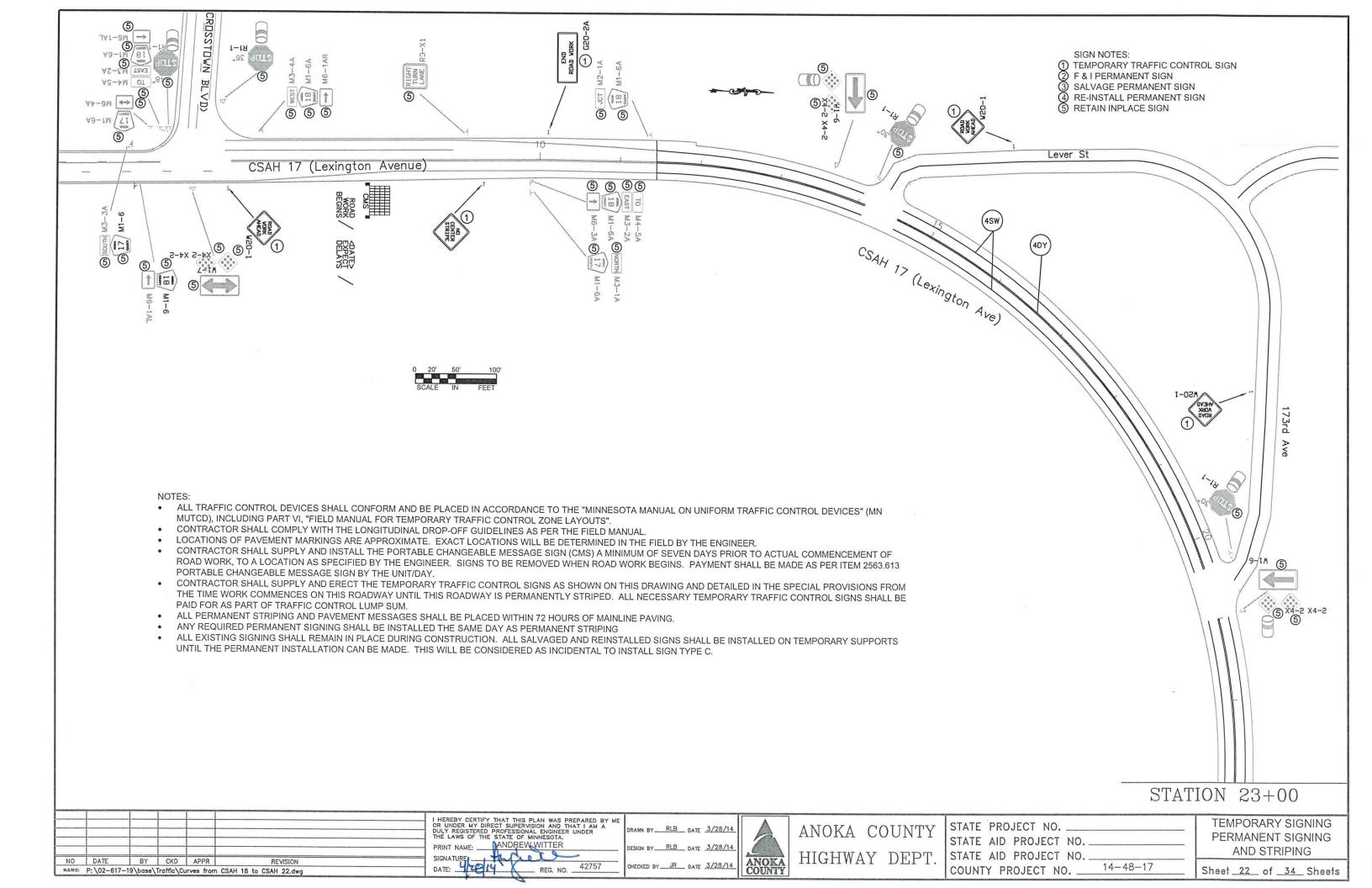
EXAMPLE: (4SW) = 4" SOLID LINE WHITE - EPOXY

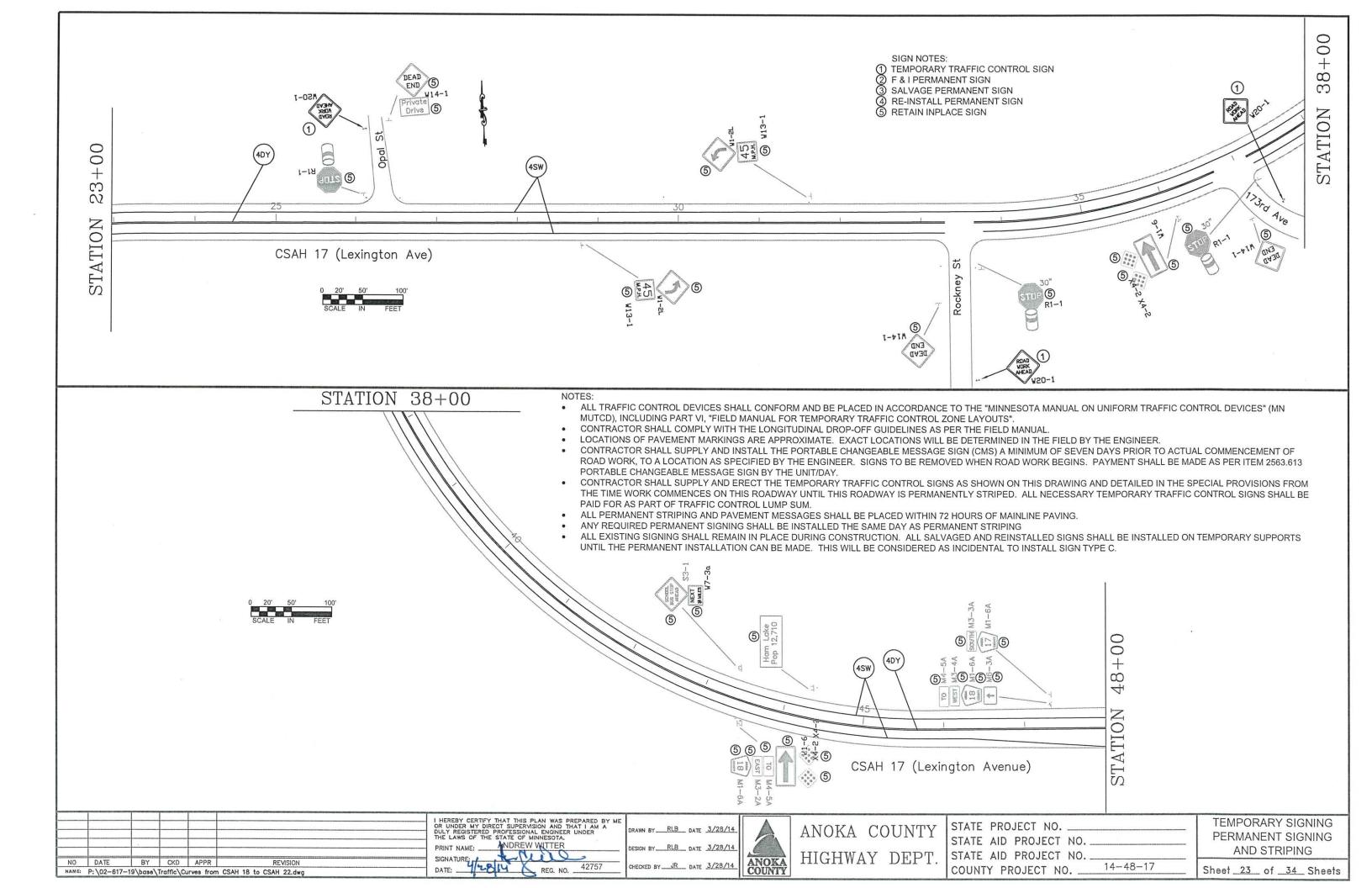
						I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA, PRINT NAME: ANDREW WITTER
NO	DATE	BY	CKD	APPR	REVISION	SIGNATURE:
NAME:	P:\13-01-00\0	2SAH 18\	Rase\TRA	FEIC\Perm nymt	mrka quide notes, quidelines dwa	DATE: 42757

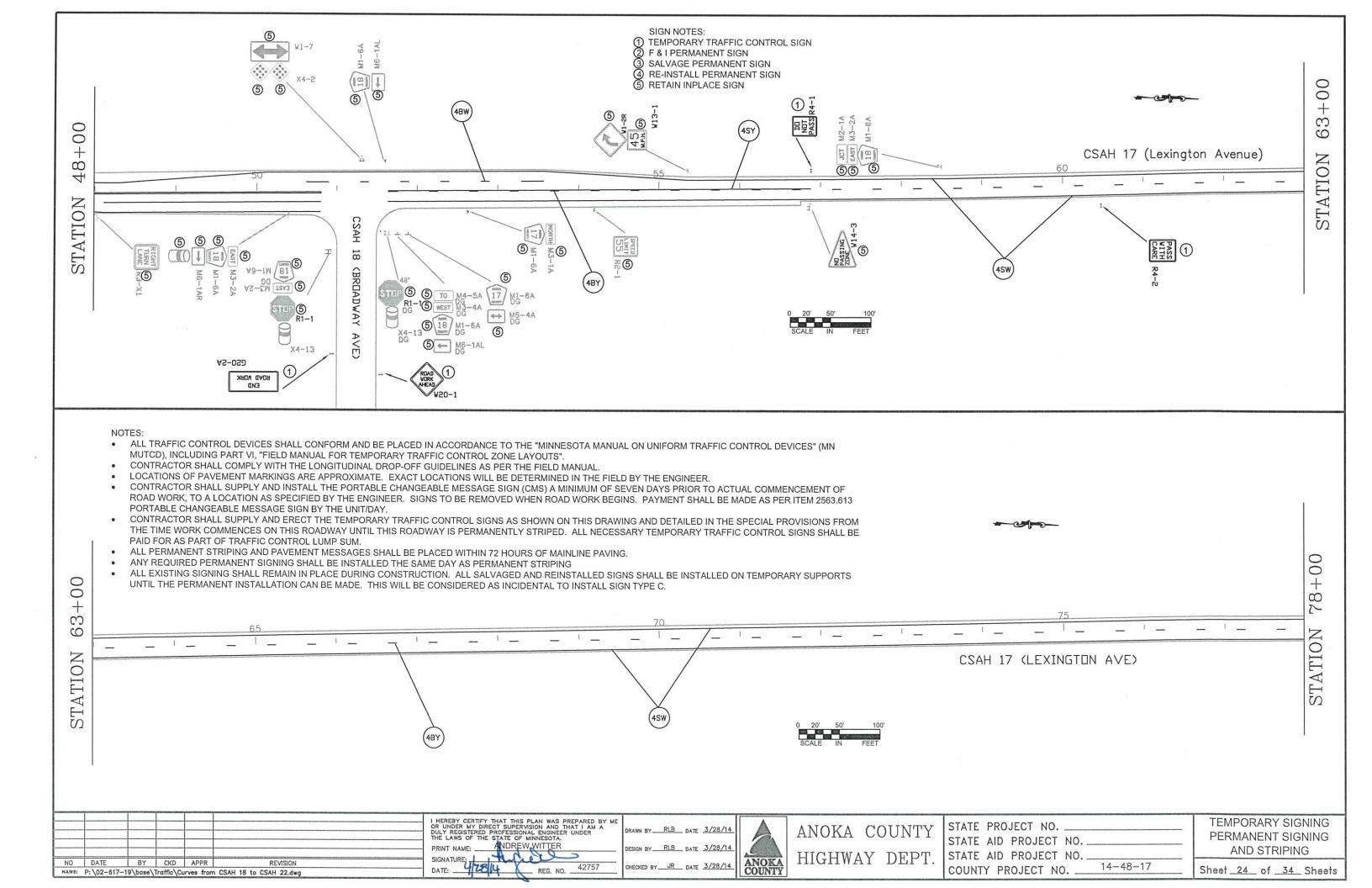


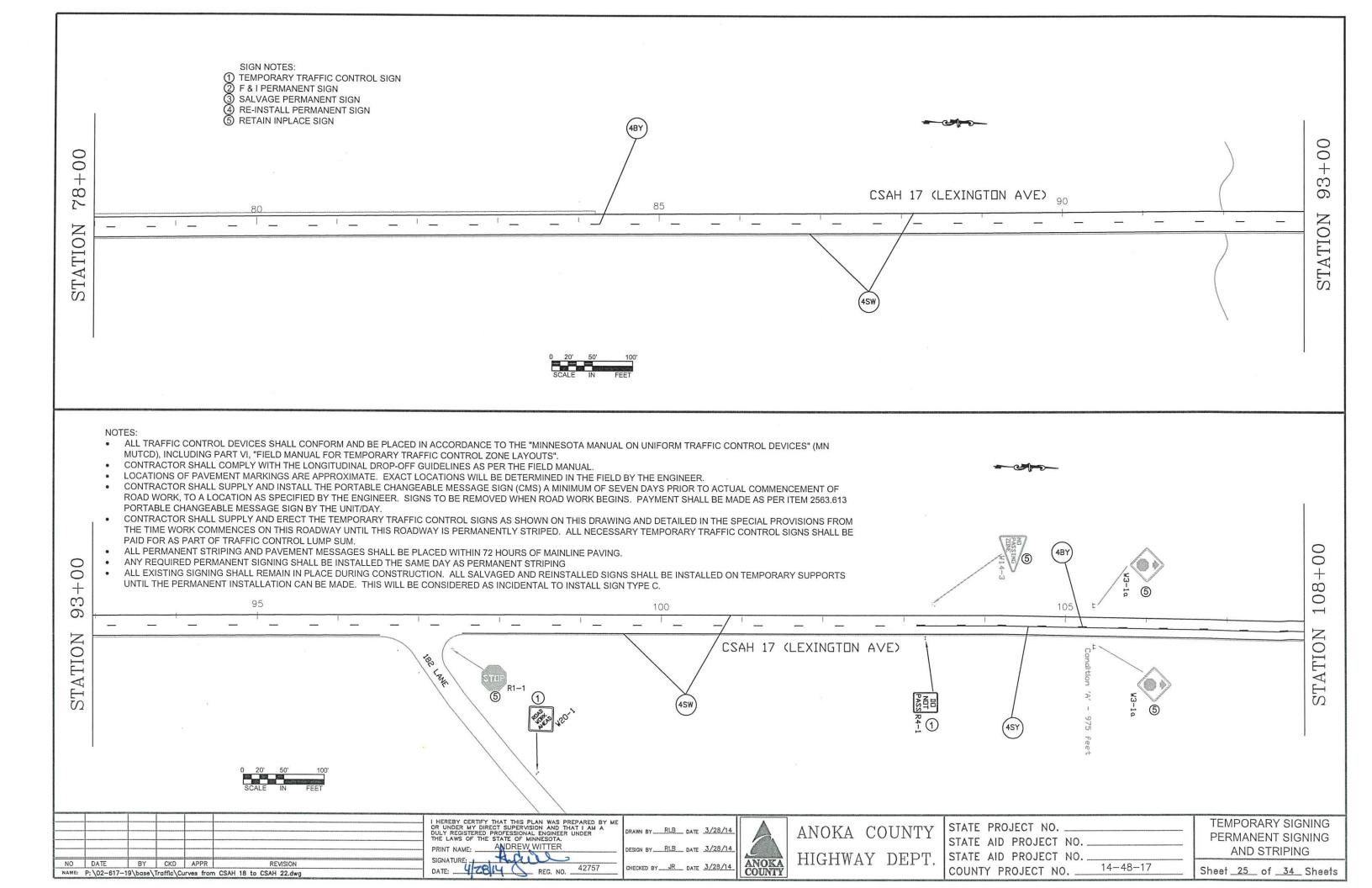


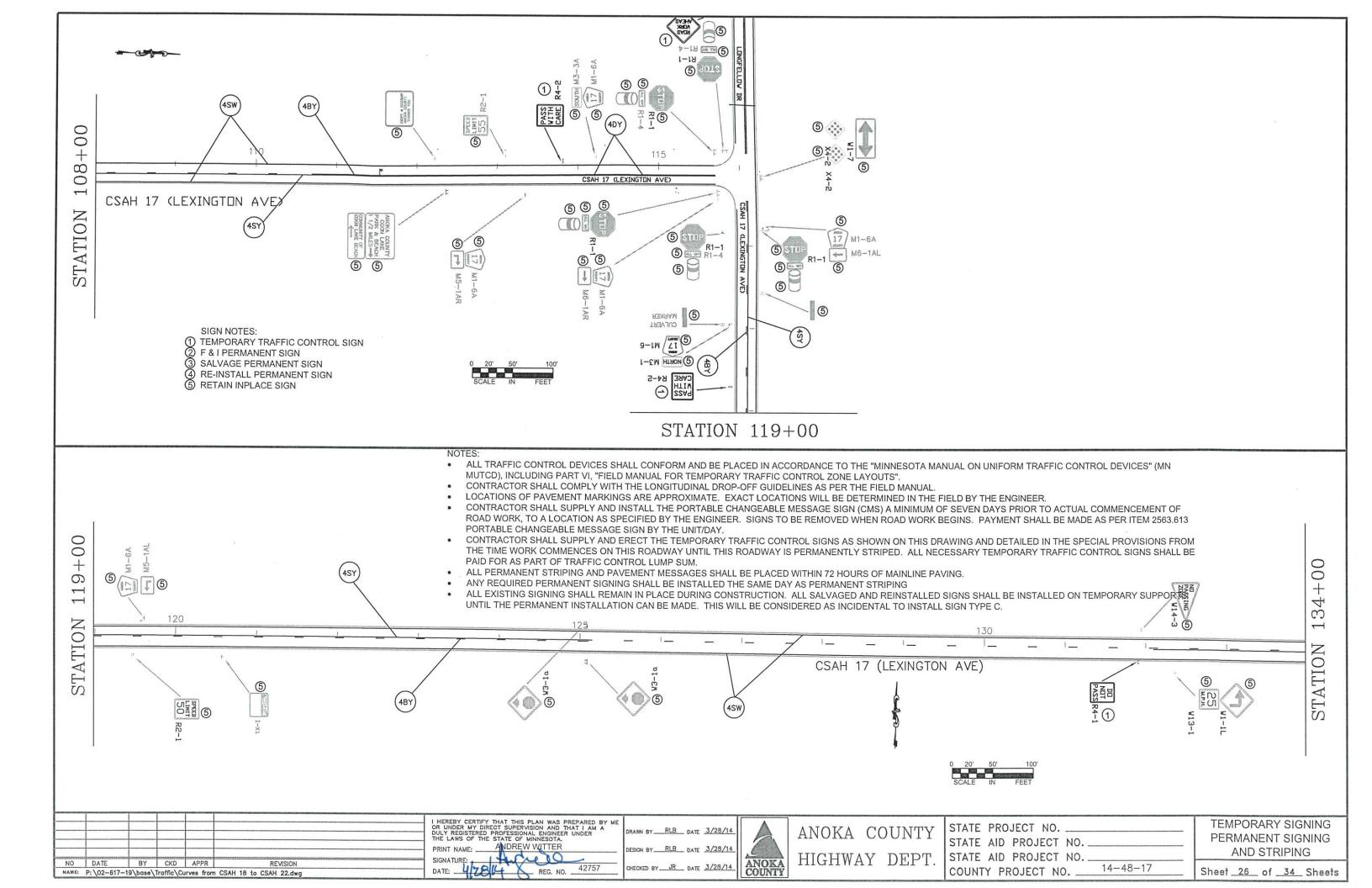
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STATE AID PROJECT NO.	
COUNTY PROJECT NO. 14-48-17	Sheet <u>21</u> c

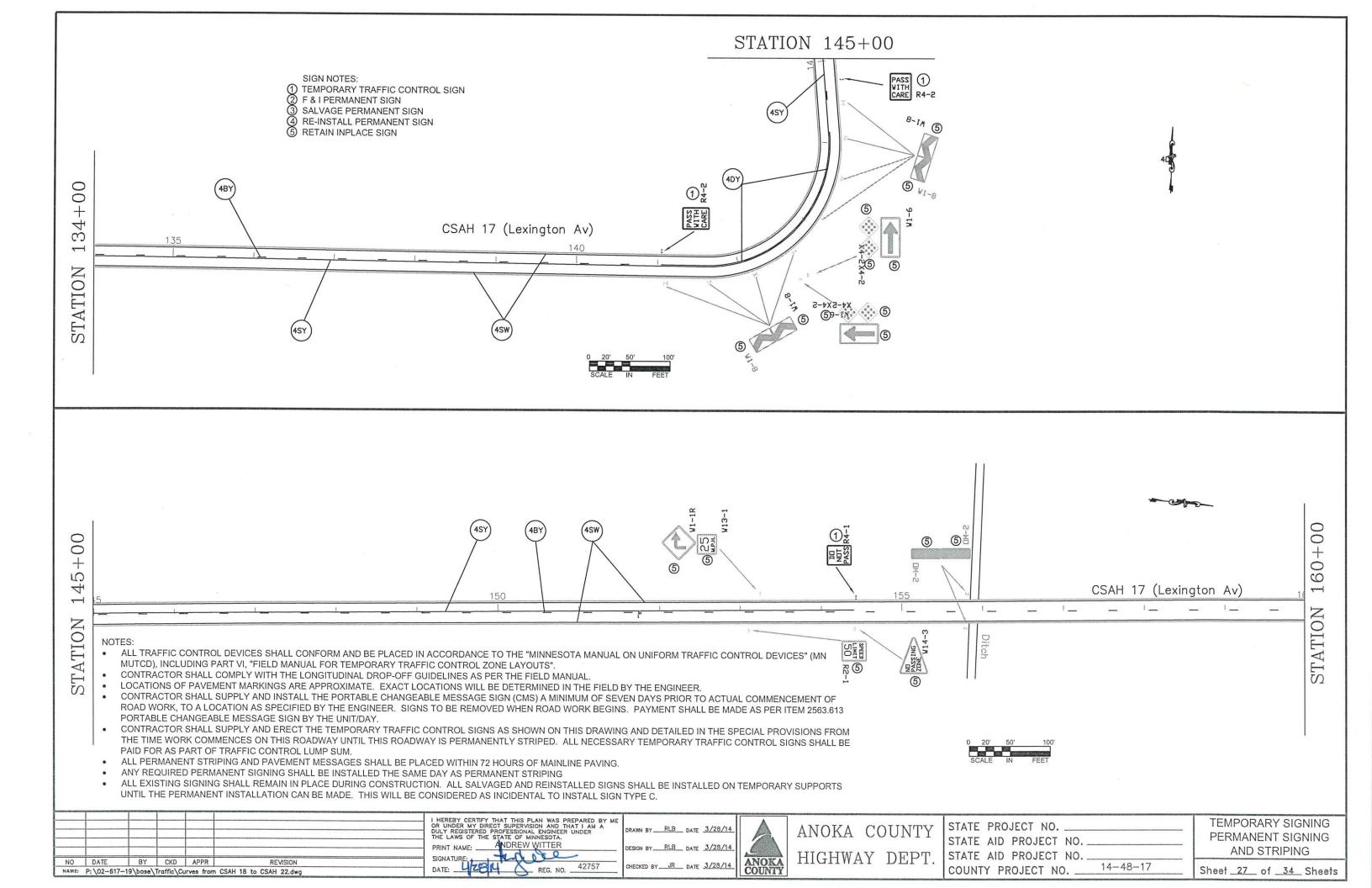


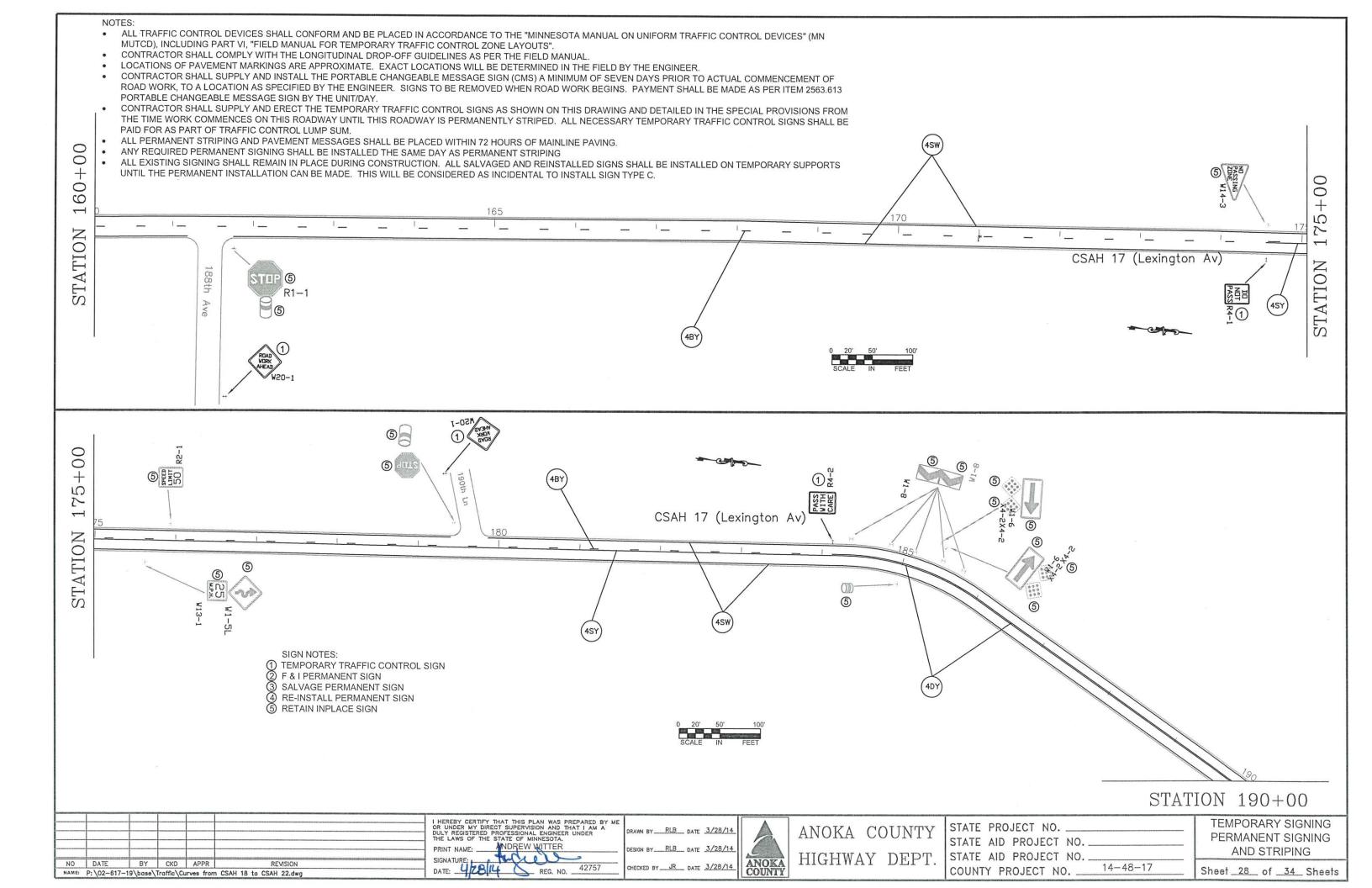


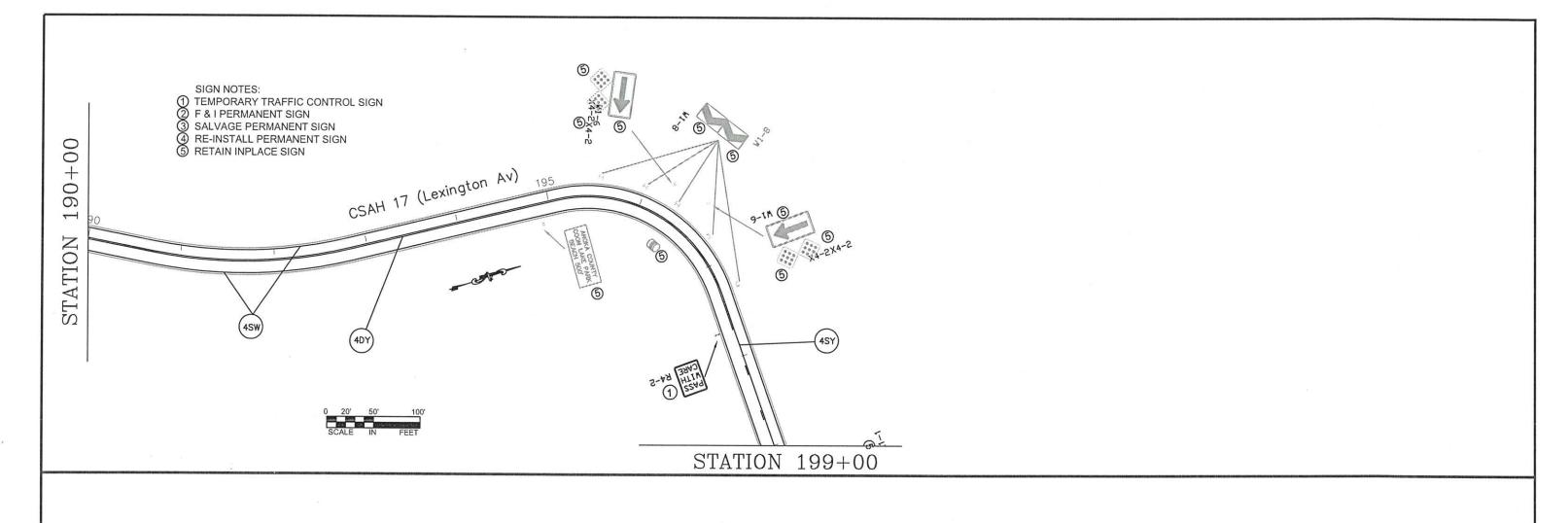


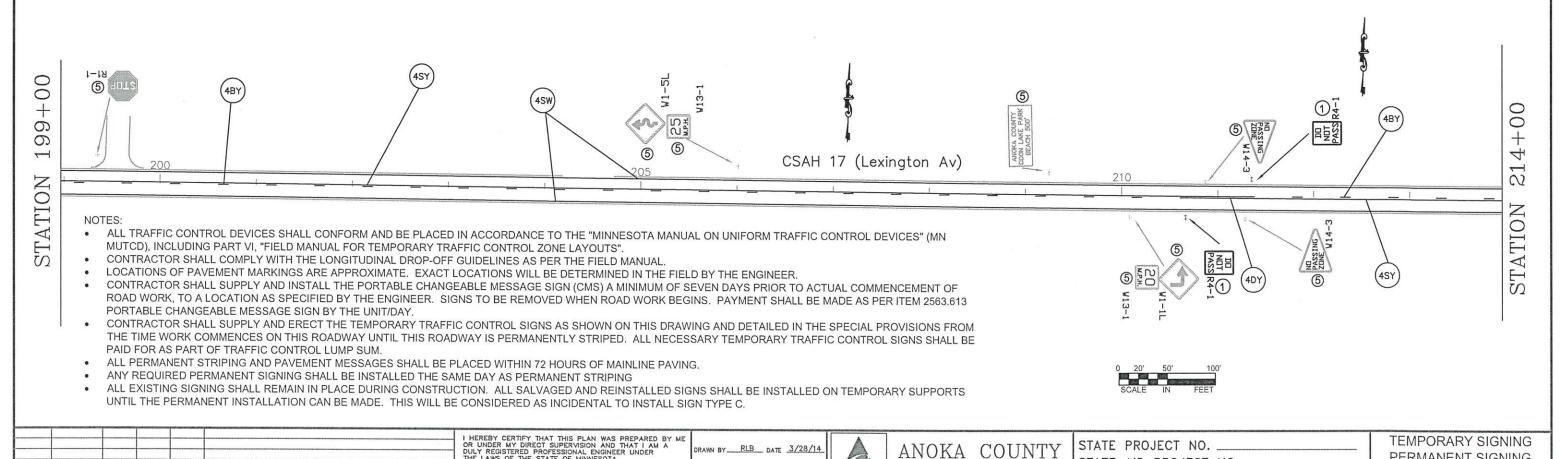












HECKED BY JR DATE 3/28/14

BY CKD APPR

NAME: P:\02-617-19\base\Traffic\Curves from CSAH 18 to CSAH 22.dwg

REVISION

PERMANENT SIGNING

AND STRIPING

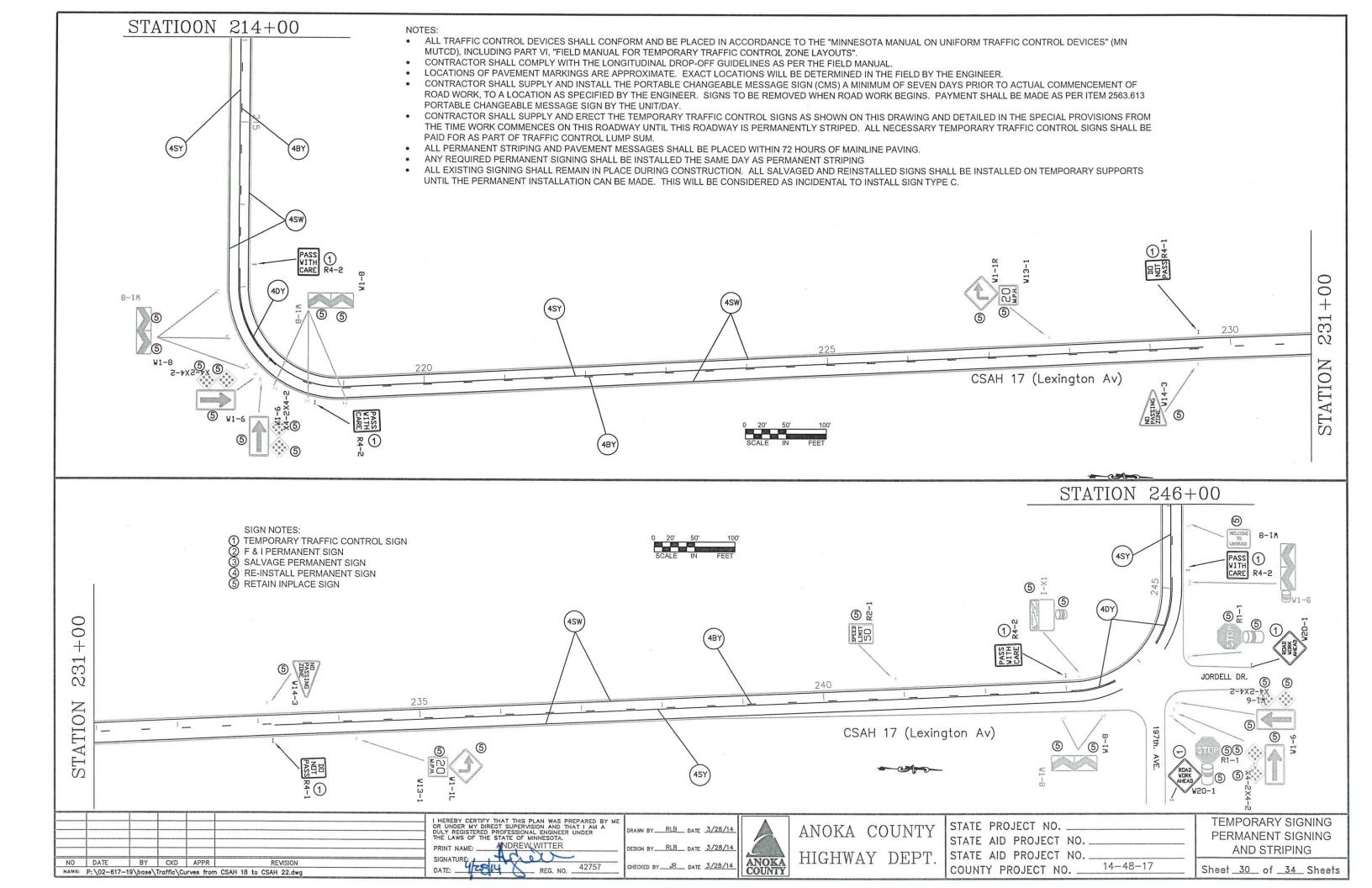
Sheet 29 of 34 Sheets

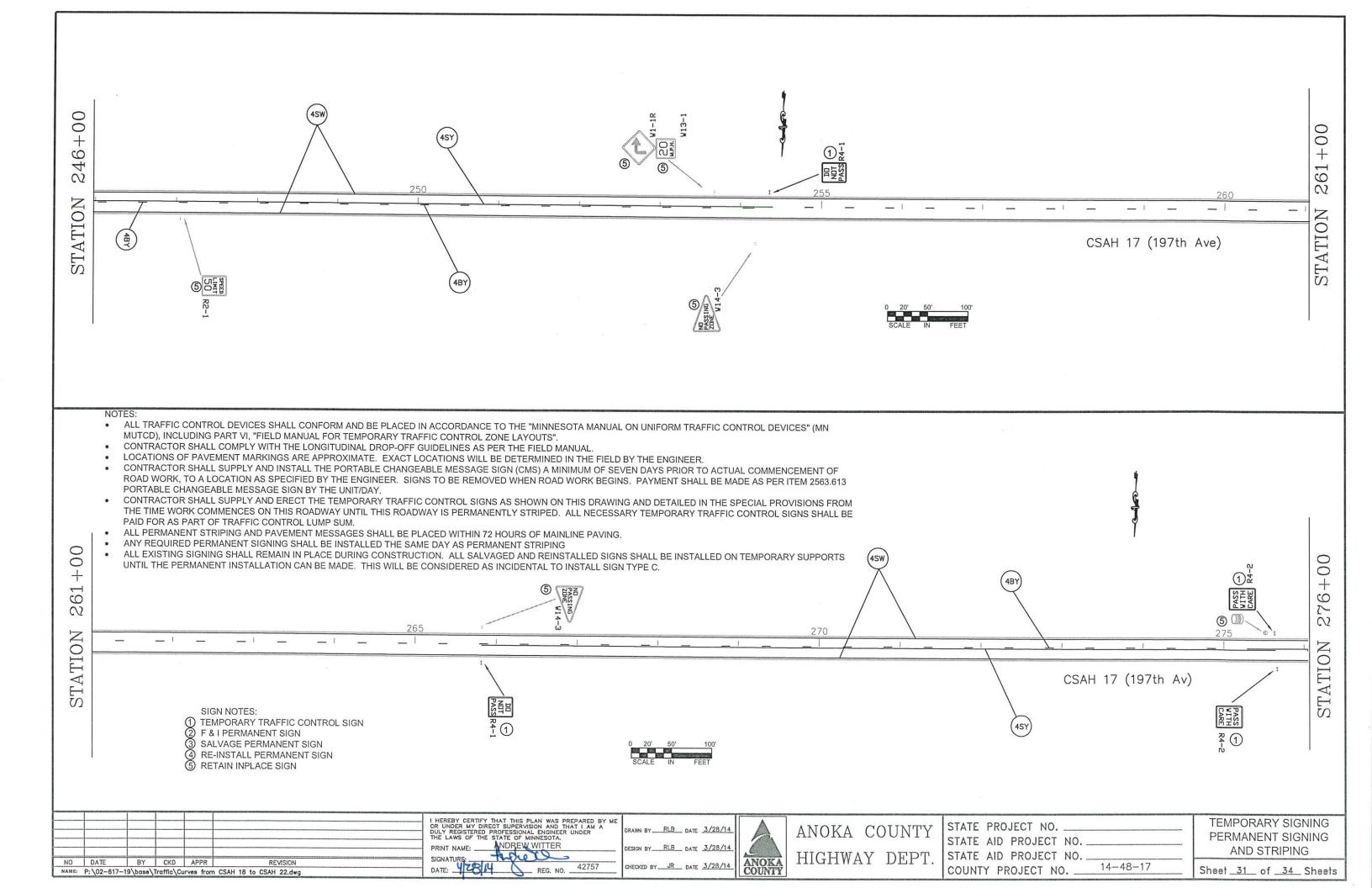
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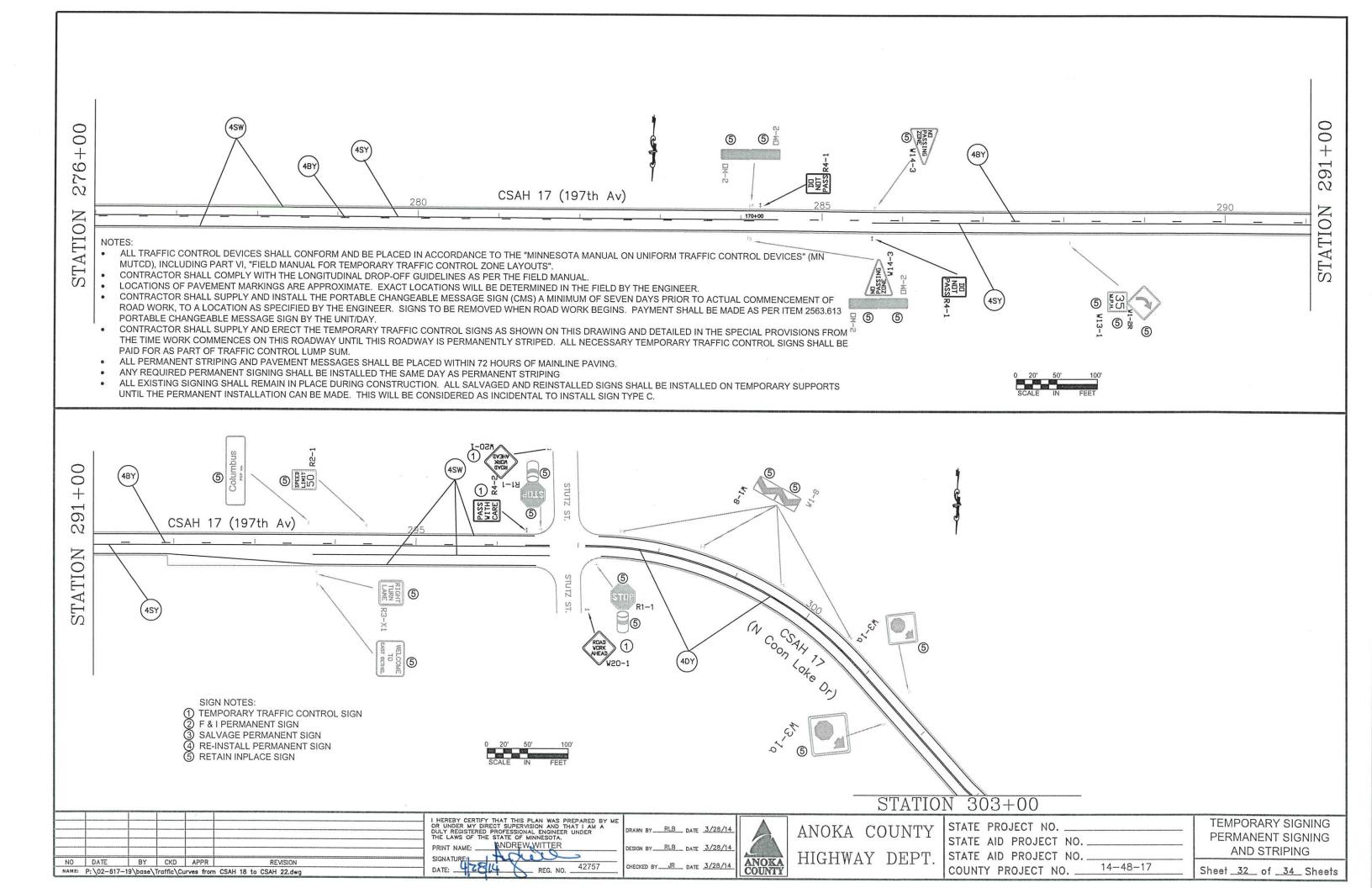
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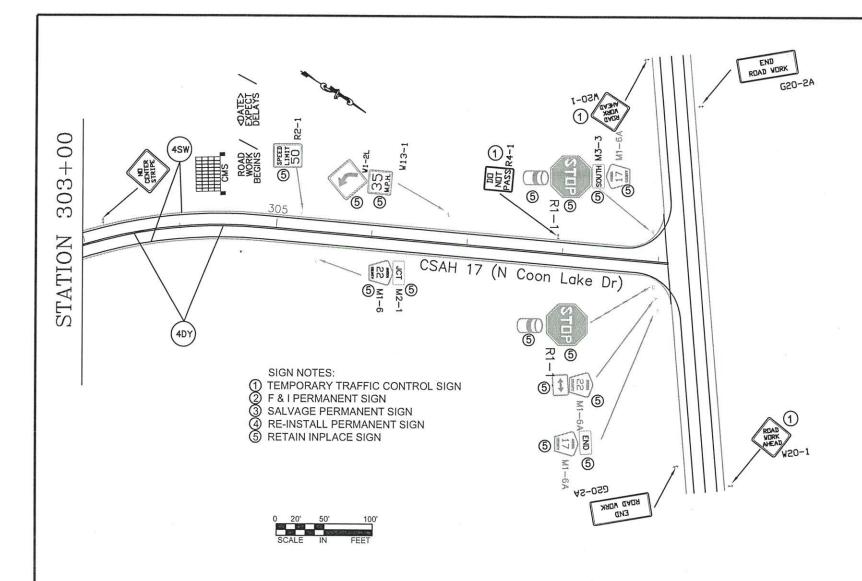
COUNTY PROJECT NO.

HIGHWAY DEPT.









## 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.
- LOCATIONS OF PAVEMENT MARKINGS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- CONTRACTOR SHALL SUPPLY AND INSTALL THE PORTABLE CHANGEABLE MESSAGE SIGN (CMS) A MINIMUM OF SEVEN 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.
- 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. ALL 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.

						I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	RA
	-	-				PRINT NAME: ANDREW WITTER	ES
NO NAME:	DATE D. VOZ. 617	BY	CKD	APPR	REVISION	SIGNATURE:  DATE: 42757  REG. NO. 42757	ЭНE

RAWN BY RLB DATE 3/28/14

ESIGN BY RLB DATE 3/28/14

HECKED BY JR DATE 3/28/14

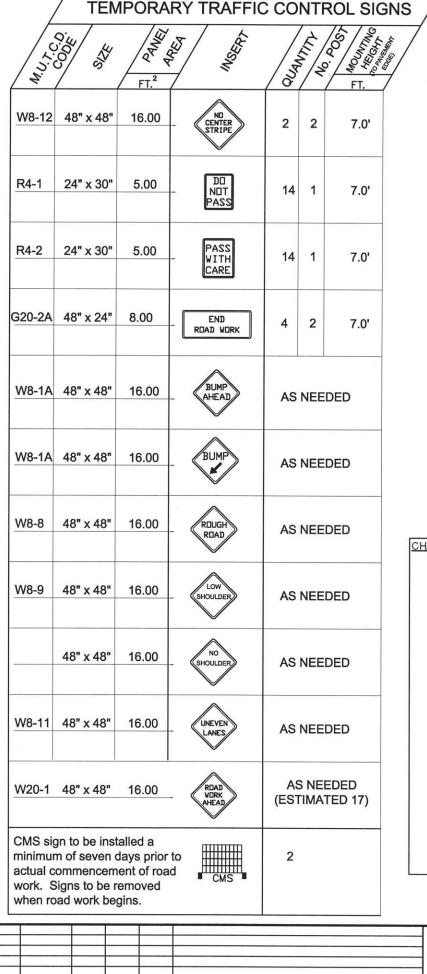
ROUNTING

ANOKA COUNTY SHIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_\_
STATE AID PROJECT NO. \_\_\_\_\_
STATE AID PROJECT NO. \_\_\_\_\_
COUNTY PROJECT NO. \_\_\_\_\_14-48-17

TEMPORARY SIGNING PERMANENT SIGNING AND STRIPING

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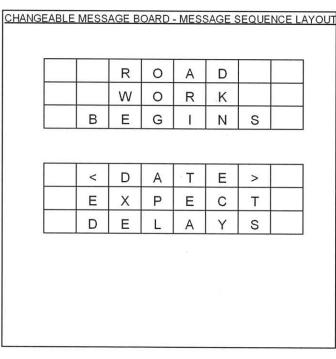
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NAME: P:\02-617-19\base\Traffic\Curves from CSAH 18 to CSAH 22.dwg

REVISION

### NOTES:

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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY M OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULLY REGISTERCE PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  BRINT MANE. AND REW WITTER					
PRINT NAME: AND REW WITTER  SIGNATURE: REG. NO. 42757	CHEC				

ANOKA COUNTY RLB DATE 3/28/14 HIGHWAY DEPT. CKED BY JR DATE 3/28/14

STATE PROJECT NO. \_ TRAFFIC CONTROL STATE AID PROJECT NO. STATE AID PROJECT NO. \_ 14-48-17 COUNTY PROJECT NO. \_

QUANTITY

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