#### PLAN SYMBOLS MINNESOTA DEPARTMENT OF TRANSPORTATION COUNTY LINE TOWNSHIP OR RANGE LINE SECTION LINE \_\_\_\_ QUARTER LINE \_\_ SIXTEENTH LINE **ANOKA COUNTY** RIGHT OF WAY LINE. The state of the s The state of the state of the state of SLOPE EASEMENT EXISTING RIGHT OF WAY PROPERTY LINE CORPORATE OR CITY LIMITS \_ RETAINING WALL RAILROAD RAILROAD RIGHT OF WAY\_ 1.5 BITUMINOUS RECLAMATION AND OVERLAY, CONSTRUCT RIGHT TURN LANES AND BY-PASS LANES CONSTRUCTION PLAN FOR C.S.A.H. 76 RIVER OR CREEK C.S.A.H. 22 LOCATED ON C.S.A.H. 85 BETWEEN AND. DRAINAGE DITCH . CULVERT \_\_\_\_\_\_ DROP INLET \_\_\_\_\_ GUARD RAIL GUARD RAIL BARBED WIRE FENCE WOVEN WIRE FENCE CHAIN LINK FENCE WOOD FENCE 11-25-85 COUNTY PROJ. NO. C.S.A.H. 85 STONE WALL OR FENCE\_ HEDGE GROSS LENGTH BRIDGES-LENGTH **EXCEPTIONS-LENGTH** FEET TIMBER \* NET LENGTH سيبيييب CATTLE GUAR END C.P. 11-25-85 C,S,A,H, 85 STA, 167+40 1-8-F BUILDING (One Story Frame) F-FRAME C-CONCRETE S-STONE T-TILE B-BRICK ST-STUCCO RAILROAD CROSSING BELL RAILROAD CROSSING GATE MANHOLE CATCH BASIN FIRE HYDRANT CAST IRON MONUMENT GRAVEL PIT. SAND PIT . AORROW PIT ROCK QUARRY **UTILITY SYMBOLS** POWER POLE LINE. TELEPHONE OR TELEGRAPH POLE LINE JOINT TELEPHONE & POWER ESAL 20 ON THE EPHONE POLES ANCHOR ... STEEL TOWER STREET LIGHT PEDESTAL (Cable Terminal) **LINWOOD** GAS MAIN ... TELEPHONE CABLE IN CONDUIT ------TWP 1 TELEPHONE MANHOLE \_\_\_\_ BEGIN C.P. 11-25-85 ELECTRIC MANHOLE \_\_\_ **TOWNSHIP OF** BURIED TELEPHONE CABLE \_\_\_\_\_T-BUR-C.S.A.H. 85 STA, 9+59 BURIED ELECTRIC CABLE\_\_\_\_\_\_P-BUR\_\_\_\_ LINWOOD SEWER (Sanitary or Storm) SEWER MANHOLE. <del>->-O-->-</del> **SCALES** PLAN PROJECT LOCATION PROFILE HORIZONTAL TOWNSHIP OF LINWOOD ANOKA COUNTY VERTICAL MN/DOT TRANSPORTATION DISTRICT - METRO X-SECTIONS HORIZONTAL SECTION 8,5,32 & 28 TOWNSHIP 33, 34 NORTH **RANGE 22 WEST** I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY M OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. STATE PROJECT NO. **ANOKA COUNTY** STATE AID PROJECT NO.

HISP 0000 (000) MINN, PROJ. NO.

#### GOVERNING SPECIFICATIONS

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE INSTALLED IN ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC" CONTROL DEVICES" (MNMUTCD), AND PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS."

# **INDEX**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3-4	TYPICAL SECTIONS
5-6	MISCELLANEOUS DETAILS
7-8	RIGHT TURN LANE & BYPASS LANE CALCULATIONS
9-13A	CONSTRUCTION STAGING PLAN
14	PERMANENT MARKING TABULATION
15-21	TEMPORARY SIGNING, PERMANENT STRIPPING, PAVEMENT MESSAGES
22	SIGNING & STRIPING PLAN, TAB , & DETAILS

# THIS PLAN CONTAINS 22 SHEETS **DESIGN DESIGNATION**

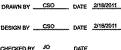
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R VALUE	000
ADT (2006) =	1729
Proj. ADT (2026) =	2420
Proj. HCADT (2026) =	2420
Soil Factor	NA NA
10 TON DESIGN	
Functional Classification	B MINOR ARTERIAL
No. of Traffic Lanes 2	No. of Parking Lanes 0
Design Speed 50/55 MI	PHN/A
	A B A A

Based on Stopping Sight Distance Height of eye 3.5' Height of object Design Speed not achieved at: N/A 167+40 MPH 50/55 STA. 9+59 TO STA.

REVISION DATE BY CKD APPR

SIGNATURE: CARACTER SIGNATURE: 3/5/12 LICENSE NO. 40416





HIGHWAY DEPT.

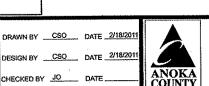
CITY PROJECT NO. COUNTY PROJECT NO. 11-25-85

TITLE SHEET

Sheet \_\_1\_ of \_22\_ Sheets

3.8 3.873		·		1. Management of
	1 0 <b>3</b> 2.732.7			\$
ПЕМ NO.	ΠEM	NOTES	UNIT	TOTAL EŞT. QUANT.
	CONSTRUCTION SURVEY	7:-	LUMP SUM LUMP SUM	- गान्द्रअसार्थ्युट्य सेक्टर र 1
	MOBILIZATION REMOVE PIPE CULVERTS	15, 16	LIN FT	96
2104.503	REMOVE CONCRETE DRIVEWAY PAVEMENT	11	SQ FT	435
2104.503	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	11	SQ FT	427
	SAWING CONCRETE PAVEMENT (FULL DEPTH)		LNFT	14 317
	SAWING BITUMINOUS PAVEMENT (FULL DEPTH) SALVAGE SIGN TYPE C		LIN FT EACH	28
	SALVAGE SIGN TYPE D		EACH	3
2105.525	TOPSOIL BORROW (LV)	5	CUYD	193
2105.602	CONSTRUCT TURN LANE	12	EACH EACH	9 5
2105.602 2123.503	CONSTRUCT BYPASS LANE MOTOR GRADER	12	HOUR	10
2130.501	WATER	14	M-GAL.	168
2211.501	AGGREGATE BASE CLASS 5	10,9	TON	2806
2221.501	AGGREGATE SHOULDERING CLASS 5	9	TON SQ YD	526 300
2232.501 2331.604	MILL BITUMINOUS SURFACE (2.0") BITUMINOUS PAVEMENT RECLIMATION	- 2	SQ YD	70576
2357.502	IBITUMINOUS MATERIAL FOR TACK COAT		GAL	2777
2360.501	TYPE SP 12.5 WEARING COURSE MIX (4,B)	1,9,11	TON	243
2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE(4,B)	18	TON	15172 52
2501.511 2501.515	48" CS PIPE CULVERT 24" CS PIPE APRON	16 16	LIN FT EACH	2
2501.515	48" CS PIPE APRON	16	EACH	2
2503.603	24" HDPE PIPE SEWER	16	LINFT	52
2511.501	RANDOM RIPRAP CLASS II	17	CU YD SQ YD	<u>25</u> 17
2531.507 2535.501	6" CONCRETE DRIVEWAY PAVEMENT BITUMINOUS CURB (MODIFIED)	6.7	LINFT	2630
2540.602	INSTALL MAIL BOX SUPPORTS		EACH	59
2563.601	TRAFFIC CONTROL	3,4	LUMP SUM	1
2564.533	FURNISH SIGN PANNEL TYPE C		SQ FT EACH	177.25
2564.536 2564.536	INSTALL SIGN PANEL TYPE C INSTALL SIGN PANEL TYPE D		EACH	3
2573.508	BITUMINOUS LINED FLUME	19	SQ YD	69
2575.523	EROSIOIN CONTROL BLANKET, CATEGORY 3	17	SQ YD	14
2575.571	RAPID STABILIZATION METHOD 3	5 -	M-GAL LIN FT	18 1262
2581.501 2582.502	REMOVABLE PREFORMED PLASTIC MARKING  4" SOLID LINE WHITE-EPOXY	9	LNFT	33441
2582.502	4" BROKEN LINE WHITE-EPOXY	<u> </u>	LNFT	200
		9	LINFT	1100
2582.502	4" SOLID LINE YELLOW - EPOXY			
2582.502	4" BROKEN YELLOW LINE-EPOXY	9	LINFT	1180
			LINFT LINFT	1180 9626
2582.502	4" BROKEN YELLOW LINE-EPOXY	9		
2582.502 2582.502	4" BROKEN YELLOW LINE-EPOXY 4" DOUBLE SOLID LINE YELLOW-EPOXY  USED FOR PAVING DRIVEWAYS AND STREET APPROACHE	9 9		
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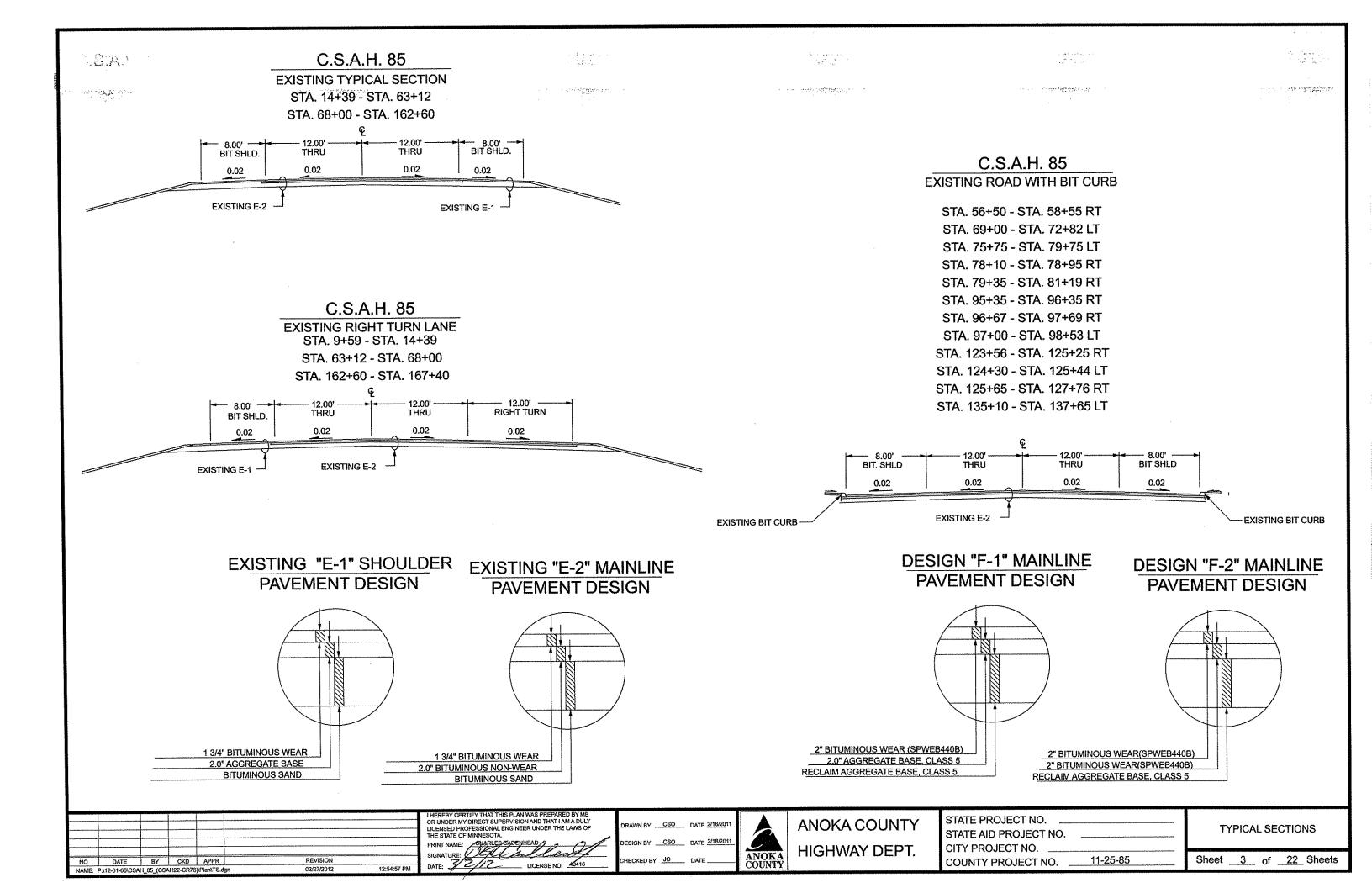
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	BASIS OF PLANNED QUANTITIES	The state of the s	e News	
ITEM NO. 2357.502	BITUMNOUS MATERIAL FOR TACK COAT	* ; .05 GAL / SQ YD		
2360.501	TYPE SP 12.5 WEARING COURSE MIX (4, B)	115/SQ.YD./IN THICKNESS		l
2211.501	AGGREGATE BASE CLASS 5	CU YDS * 1.8 = TONS		l
2221.501	AGGREGATE SHOULDERING CLASS 5	CU YDS * 1.8 = TONS		l
2581.501	REMOVABLE PREFORMED PLASTIC MARKING	2' AT 50' INTERVALS FOR SKIPS		]



**ANOKA COUNTY** HIGHWAY DEPT.

STATE PROJECT NO. STATE AID PROJECT NO. CITY PROJECT NO. COUNTY PROJECT NO. \_ 11-25-85 STATEMENT OF ESTIMATED QUANTITIES

Sheet 2 of 22 Sheets



# C.S.A.H. 85

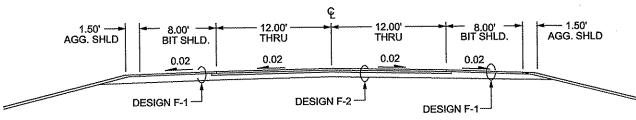
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# PROPOSED TYPICAL SECTION

STA. 9+59 - STA. 167+40

EXCEPT: RIGHT TURN LANE, BY-PASS LANES & BIT. CURB SECTION



# C.S.A.H. 85

# PROPOSED BITUMINOUS CURB SECTION

STA. 56+50 - STA. 58+55 RT

STA. 69+00 - STA. 72+82 LT

STA. 75+75 - STA. 79+75 LT

STA, 78+10 - STA, 78+95 RT

STA. 79+35 - STA. 81+19 RT

STA. 95+35 - STA. 96+35 RT

STA. 96+67 - STA. 97+69 RT

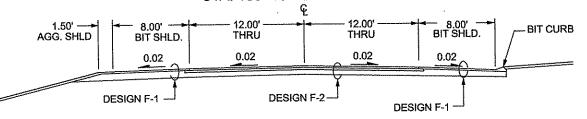
STA. 97+00 - STA. 98+53 LT

STA. 123+56 - STA. 125+25 RT

STA. 124+30 - STA. 125+44 LT

STA. 125+65 - STA. 127+76 RT

STA. 135+10 - STA. 137+65 LT



# C.S.A.H. 85

# PROPOSED TURN LANE SECTION

STA. 9+59 - STA. 14+39

STA. 16+24 - STA. 21+04

STA. 68+30 - STA. 73+10

STA. 63+12 - STA. 67+92

STA. 76+67 - STA. 81+47

STA. 82+64 - STA. 97+44

STA. 104+93 - STA. 109+73

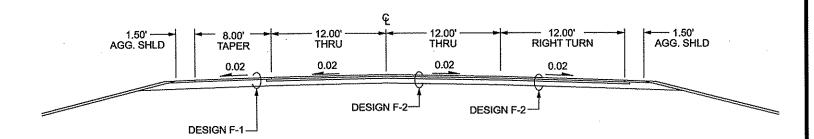
STA. 109+91 - STA. 114+71

STA. 123+56 - STA. 128+36

STA, 135+37 - STA, 140+17

STA. 151+80 - STA. 156+60

STA, 162+60 - STA, 167+40



# C.S.A.H. 85

# PROPOSED BYPASS LANE SECTION

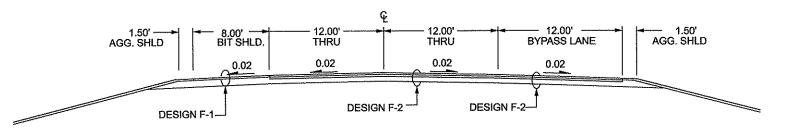
STA. 12+44 - STA. 18+64

STA. 85+04 - STA. 91+24

STA, 107+22 - STA, 112+31

STA, 125+96 - STA, 132+16

STA. 148+00 - STA. 154+20



NO DATE BY CKD APPR REVISION

NAME: P.112-01-00/CSAH\_85\_(CSAH22-CR76)/Plan\tag{8} 02/27/2012 12:55:02 PM

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME
OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY
LICENSED PROFESSIONAL ENSINEER UNDER THE LAWS OF
THE STATE OF MINNESOTA.
PRINT NAME: CHORLES CABENHEAD.

LICENSE NO. 40416/

 DRAWN BY
 CSO
 DATE
 2/18/2011

 DESIGN BY
 CSO
 DATE
 2/18/2011

 CHECKED BY
 JO
 DATE

ANOKA COUNTY

ANOKA COUNTY HIGHWAY DEPT. STATE PROJECT NO.

STATE AID PROJECT NO.

CITY PROJECT NO.

COUNTY PROJECT NO.

11-25-85

TYPICAL SECTIONS

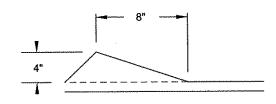
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Sheet 4 of 22 Sheets

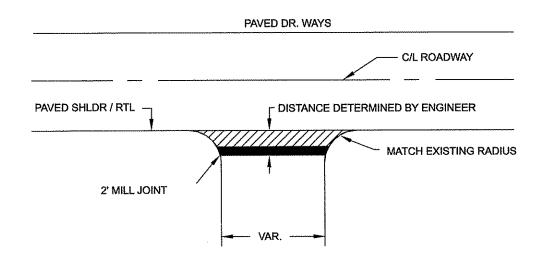
# **CONCRETE DRIVEWAYS** - C/L ROADWAY PER FIELD ENGINEER PAVED SHLDR / RTL -MATCH EXISTING CONCRETE 6" CONCRETE DRIVEWAY. ---- VAR. -----

# **BITUMINOUS CURB**

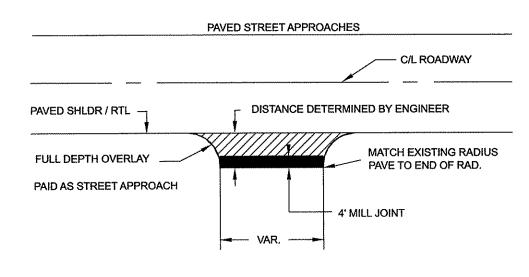
(PLACED DURING THE PAVING OF MAIN LINE WEAR COURSE)



EXISTING BITUMINOUS CURB (LIP) TO BE RECLAIMED WITH SHOULDER PROPOSED BITUMINOUS CURB (LIP) TO BE PAID UNDER ITEM NO. 2535.501



 $- \chi^{Q_{2}}_{2} = e^{-i\sqrt{2}} \chi^{Q_{2}}_{2} \chi^{Q_{2}}_{2} \chi^{Q_{2}}_{2} \chi^{Q_{2}}_{2} \chi^{Q_{2}}_{2} + e^{-i\sqrt{2}} \chi^{Q_{2}}_{2}$ 



DRIVEWAYS TO BE PAVED IN SEPERATE OPERATION OTHER THAN MAINLINE WEAR. PAID AS STREET APPROACH WEAR

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υ,	11:39:35 AM	02/27/2012	(NPian)Details don	いもつつ。これでお	HIRE COSA	D412.01.00\CSAI	MARKET

PAID FOR AS ITEM NO. 2221.501 AGGREGATE SHOULDERING CL 5 (TON)

HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME
OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY
ICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF
HE STATE OF MINNESOTA.
PRINT NAME: CHARLES CAURNHEADY
SIGNATURE: CHARLES CAURNHEADY

 $g_{i}^{-1}(x) = e^{-\frac{1}{2} \left(\frac{1}{2} \log (x)^{2} + \frac{1}{2} \log (x)^{2} + \frac{1}{2} \log (x)^{2} + \frac{1}{2} \log (x)^{2} \right)}$ 

**ANOKA COUNTY** HIGHWAY DEPT.

STATE PROJECT NO. STATE AID PROJECT NO. CITY PROJECT NO. COUNTY PROJECT NO.

MISCELLANEOUS DETAILS

An Stranger

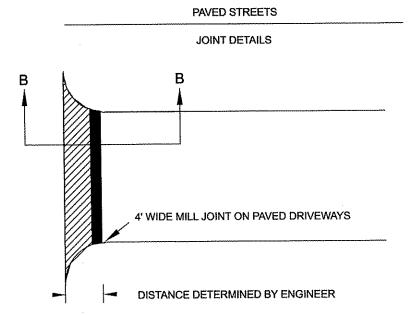
Sheet <u>5</u> of <u>22</u> Sheets

# Water States

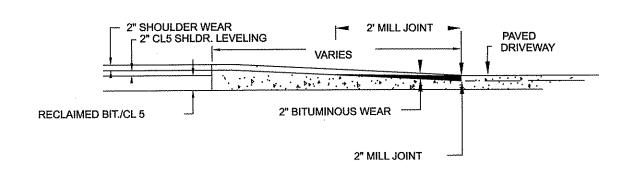
S. Salahara

PAVED DRIVEWAYS

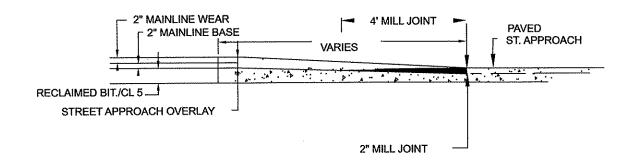
DRIVEWAYS TO BE PAVED IN SEPERATE OPERATION OTHER THAN MAINLINE WEAR. PAID AS DRIVEWAY/STREET APPROACH WEAR



OVERLAY EXISTING STEET APPROACH, DO NOT RECLAIM STREETS TO BE PAVED IN SEPERATE OPERATION OTHER THAN MAINLINE WEAR. PAID AS DRIVEWAY/STREET APPROACH WEAR



# STREET APPROACH JOINT DETAILS B - B



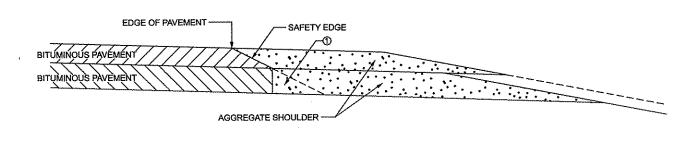


FIGURE B BITUMINOUS PAVEMENT

① OPTIONAL DESIGN EXTENDS SAFETY EDGE DEEPER
THAN 6" AND WIDER THAN 10.5". SEE SPECAIL PROVISIONS FOR DETAILS.

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 MINNESSOTA. PRINT NAME: DEPARTIES CADENHEADD, DEPARTS	DRAWN BYCSO DATE _2/18/2011.  DESIGN BYCSO DATE _2/18/2011.	ANOKA COUNTY	STATE PROJECT NO. STATE AID PROJECT NO. CITY PROJECT NO.	MISCELLANEOUS DETAILS
SIGNATURE: ( Le Con and Lacont)	CHECKED BY JO DATE ANOKA COUNTY	: ["][["]["][VV#4] [/]["]	COUNTY PROJECT NO. 11-25-85	Sheet 6 of 22 Sheets

THE STATE OF THE S

RIGHT TURN LANES AND BY-PASS LANES CALCULATIONS CONTAB F COMMON EX SELECT GRANULAR EXRTA DEPTH (FT) VOLUME FENCE (LIN EROSION CONTROL RIGHT TURN LANE CLASS 5 DOZER STATION STATION LENGTH VOLUME DEPTH (FT) WIDTH LOCATION BLANKET (SQ YD) (CY) (CY) (CU YD) (HOURS) FT 9+59 14+39 460 EXISTING 16+24 21+04 480 4 68+30 73+10 480 4 14+39 480 EXISTING CSAH 22 0.26 0,52 540 LINWOOD ELEM CSAH 26 0.5 94.2 39.3 480 EXISTING 227TH 63+12 67+92 213 213 213 0.03 76+67 81+47 480 82+64 87+44 480 4 229TH 82+64 87+44 1.6 0.0 0.0 0.0 480 480 232ND 233RD 235TH 104+93 109+73 -1.05 21.9 26.9 12.2 14.6 -0.68 0.15 109+91 114+71 0.5 0.5 0.5 0.5 123+56 128+36 480 1.09 1.47 540 540 237TH 239TH CR 76 135+37 140+17 480 4 151+80 156+60 480 4 162+60 167+40 480 EXISTING 240.7 299.2 VOLUME (CY) **EXRTA** VOLUME BY-PASS LANE FENCE (LIN EROSION CONTROL CLASS 5 DOZER STATION STATION LENGTH WIDTH DEPTH (FT) DEPTH (FT) LOCATION (CU YD) (HOURS) FT) BLANKET (SQ YD) (CY) (C1) (C1) 21.5 0.55 167.5 20.0 0.44 99.0 12.7 1.23 335.7 8.2 -0.33 0.0 680 680 LINWOOD ELEM 
 85+04
 91+24
 620
 4
 0.5

 107+22
 112+31
 620
 4
 0.5

 125+96
 132+16
 620
 4
 0.5

 148+00
 154+20
 620
 4
 0.5
 46 230TH 233RD 680 8.2 -0.33 15.0 1.12 235TH 305.2 239TH

Acade to

NOTE:
DOZER, MOTOR GRADER, AND PNEMATIC-TIRED ROLLER ARE INCIDENTAL TO CONSTRUCTING RIGHT TURN LANES AND BY-PASS LANES
SEEDING, SEED MATURE 240 AND FERTILIZER TYPE 3 ARE INCIDENTAL TO EROSION CONTROL BLANKET

41.00

	i.	STATION				BOTTOM	LOCATION
WOOD ELEM	BEGIN BY LN	12+44	912.65	911.90	4.00	909.30	16.20
	and the state of t	12+59	912.60	911.83	4.00	909.29	17.80
		13+11	912.50	911.89	4.60	909,11	15.80
		13+65	912,33	911.89	5,00	908.77	17.00
	and the second s	14+17	912.11	911.60	4.20	908.68	17.10
		14+70	911.87	911.56	4,10	908.31	19.10
		15+22	911.66	911.46	3.20	908.75	17.20
		15+74	911.44	909.93	4.10	908,51	17.30
		16+47	911.18	910.59	3.40	908.29	16.60
		17+07	910,83	910.42	2.70	908,31	17.80
		17+56	910.55	910.28	1.70	908.32	15.60
action to assert the section of the	(c) for examinar (we can describe a second as a condition of the	18+12	910.30	910.02	1.60	907.30	15.00
	END BY LN	18+64	910.22	909.87	2.30	907.23	16.00
230TH	BEGIN BY LN	85+04	909.56	909.01	3.60	907.70	13.90
	on remaining wonding or all to a select the about	85+43	909.03	908.64	3.70	907.03	13.70
		85+94	908.19	907.86	3.70	905.83	12.70
		86+38	907.71	907.06	3.70	904,08	13.60
		86+90	906.79	906.26	2.90	904.25	13.20
		87+33	906.11	905.59	3.00	903.01	12.00
		87+83	905.20	904.55	3,00	901.98	12.20
		88+33	904.43	903,79	3.80	900.73	13.30
		88+83	903.27	902.83	3.30	900.05	12.40
		89+36	902.56	901.77	2,80	898.90	13.30
		89+88	901.83	900.91	4.30	898.05	14.50
		90+38	900.76	900.46	4.00	897.27	14.20
		company for the many of the first of the	899.93	899.07	4.00	896.56	13.50
	END DVIN	90+94	and the same against partners and provided accordingly	de la companya della companya della companya de la companya della	and the second s	896,35	13.60
	END BY LN	91+24	899.36	898.68	4.00	56,080	19.00
		40%,00	906.32	00E 04	0 EO	904,80	13.00
233RD	BEGIN BY LN	107+22	and the comment of the first of the contract o	905.84	2.50	and the second contract the second section of the second s	12.20
		107+66	906.40	906.12	3.30	905.70	
	, ( , 1 , 1 , 1 , 1 , 1 , 1 , 1 , 1 , 1 , 1 , 1 , 1 , 1	108+13	906,11	905,39	5.40	904.53	13.10
<u>.</u>		108+46	905.53	904.65	2.40	902.76	13.90
		108+98	904.75	903.79	2.40	901.20	12.40
		109+48	904.00	903,41	1.30	900.63	11.30
	,	109+99	903,35	902.35	3,40	900.09	13.70
		110+51	902.44	901.60	2.20	899.69	15.00
		110+94	901.73	900.80	3.40	899.08	15.40
		111+50	900,46	899.91	2.30	898,01	14.60
		111+99	899.38	898.84	1.80	896.90	15.00
		112+46	898.64	898.07	3.20	895,48	18.40
		112+94	898,12	897.54	2.60	895.50	18.50
	END BY LN	112+31	897.87	897.25	2,60	895.61	18,90
					and the same and a same		
235TH	BEGIN BY LN	125+96	901.60	901.02	4.30	900.13	15.00
		126+13	902.16	901.26	4.60	899,88	14.60
		127+19	902.40	901.72	4,30	899.06	16,40
	.,,	127+69	902.48	901,58	5.00	898.65	18.60
The second of th	STATE OF THE PROPERTY OF THE P	128+39	902.48	901.36	4.50	898,65	18.30
چ. ده د. مه د. د مد د. د. د. ورست. د	in the second	128+82	902.20	901.20	4.10	897.95	19.90
		129+30	901.99	901,19	4.10	898.68	18,10
	, 5	129+82	901.55	900.60	4.90	898.30	17.40
	. e. east a extension to the term of the east of the e	130+31	901.40	899.96	5.80	897.48	18,50
		130+80	901.43	900.64	4.00	897.93	17.10
	and the state of t	131+34	901.63	900.74	3.80	898.04	16.40
				901,10	3.40	898.17	15.60
	END DVIN	131+88	902.10	de la			15.50
	END BY LN	132+16	903,19	902.35	3.50	898.85	10,00
	DECRETAL	440.00	000.80	004.00	0.70	900 A4	15 50
239TH	BEGIN TN LN	148+00	902.52	901.80	2.70	899.01	15.50 15.60
		148+51	903.15	902,52	2.60	899.48	15,60
and the second second		148+98	903.48	902.84	3.00	899.68	16.20
		149+49	903.80	903.10	3.00	900.03	17.00
	,	149+97	904.10	903.34	2.70	900.99	14.30
en en la restanción de proposición de la companya d	i Januaria de la composition della composition d	150+46	904.35	903.10	2.70	901.15	13,90
, ,		150+98	904.70	904,38	2.10	901.46	14.10
	S	151+43	905.01	904.58	2.10	901.81	13.90
		151+77	905.25	904.96	3.60	902.29	15.80
		152+41	905.53	904.99	3,50	902.24	13.90
		152+87	905.75	905.19	3,60	902.54	14,80
		153+38	906.01	905.59	2.90	902.88	15.10
	grand and the contract of the contract of the	450.07	006.28	905.57	2.90	903,43	13.20
		153+97	906.28	300.01	20		

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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 \_\_CSO \_\_DATE 2/18/2011 DESIGN BY CSO DATE 2/18/201 ANOKA COUNTY

ANOKA COUNTY HIGHWAY DEPT.

CONSTRUCT

BYPASS LANE

STATE PROJECT NO.	
STATE AID PROJECT N	0
CITY PROJECT NO.	
COUNTY PROJECT NO	11-25-85

& BY-PASS LANE TABS

EXISTING

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PI. LOCATION

**EXISTING EM** 

Sheet \_\_7\_ of \_\_22\_ Sheets

CONSTRUCT TURN LANE	i	STATION	EXISTING EM	EXISTING SH.PI.	EXISTING SH. PI. LOCATION	EXISTING DITCH BOTTOM	EXISTING DITCH BOTTOM LOCATION
CSAH 22	BEGIN TN LN	9+59	A CONTRACTOR OF THE STATE OF TH	NO	NEW WIDTH NEED	DED	I sp. temmer and a second second
	END TN LN	14+39	A. Lik STANDANIALIA I		· · · · · · · · · · · · · · · · · · ·	per management	mi Naskara
LINWOOD ELEM	OFFORE TRUE AS	16+24	912.38	911.83	3.40	910.22	14.80
LINVVOOD ELEM	BEGIN TN LN	16+51	911.67	911.04	3.70	909.22	18.00
		17+05	911.56	911.56	3.60	908.93	16.70
		18+12	911.52	911.13	5.80	908.05	19.20
	· · · · · · · · · · · · · · · · · · ·	18+64	911.29	911.03	4.00	908.33	17,90
		19+19	911.19	910.93	4.00	908.05	18.90
		19+70	910.97	910.80	2,20	908.30	17.60
		20+74	910,68	910.51	3,40	908.62	13.60
	END TN LN	21+04	910.52	910.35	3.60	908.20	13.70
							· ·
CSAH 26	BEGIN TN LN	68+30	914.62			914.28	17,90
		68+45	914.47	91422	5,10	914.04	18.40
		68+99	914,64	916.46	2.40	915.89	12.80
		69+53	914.96	914.90	3.20	916.20	11.30
		70+06	915.25	915.57	3.80	916.63	11.80 13.00
		70+57	915.56	915.63	2.80	917,21 916,56	10.10
		71+09	915.81 915.90	915.72 915.78	3,10 2,40	916.79	11.90
		71+63	915.90 915.90	915.78	3,90	916.24	11.70
		72+16 72+67	915.60	915.40	4.10	914.24	15.80
	END TN LN	73+10	915.19	914.92	4.00	913.30	15.70
	LIND IN CITY						
227TH	BEGIN TN LN END TN LN	63+12 67+92		NC	NEW WIDTH NEE	DED	
		30.07	044.66	913.41	3.40	912.47	11.10
229TH	BEGINTNLN	76+67	914.06 914.13	913.67	4.10	912.96	12.40
		77+14	914.11	913,66	6.10	913.74	12.00
		77+66 78+18	913.74	913,81	3.20	914.85	11,80
		78+84	913.47	913.50	3,20	914.70	11.90
	e e e e e e e e	79+33	913,38	913,36	3.00	914.28	13.50
	seemen grotter,	79+83	913.36	913.52	3.30	915.05	11.50
, , . , . , , ,		80÷31	913.23	913.29	4.10	914.12	12.00
The second second second		80+79	913.01	912.99	3,50	912.80	12,50
	END TN LN	81+47	912.98	912,68	5.80	912.17	17.10
	CHO IN CA					-jup	
230TH	BEGIN TN LN	82+64	912.84	912.27	3,90	909.64	15,00
	. DEOM: THE	83+06	912.81	912.52	3.20	909.82	15.50
		83+56	912.34	911.97	3.50	909.81	14.60
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		84+04	912.22	911.65	4.40	909.58	15.30
		84+55	911.87	911.12	4.40	908.88	14.10
, <del></del> ,		85+04	911.20	910.32	4,30	908.24	16,00
,,,		85+54	910.34	909,64	4.20	907.40	15.40
		86+04	909.30	908.66	3.90	906.92	14.50
1/4//10		86+39	908,76	908.08	4.20	905.30	14,60
-;:-;:		86+74	907.61	907.48	4.30	905.12	14.70
,		86+99	907.31	906.35	3.60	904.13	14.90
	END TN LN	87+44	906.48	905.82	4.00	903,65	14,50
	:						
232ND	BEGIN TN LN	104+93	908.13	907.58	5.30	906,58	16.00
		105+32	908.15	907.40	4.50	905.81	16.10
		105+81	908.35	907.93	3.90	906.68	9,10
		106+31	908.47	908.09	4.70	907.57	9.50
		106+83	908.42	908.05	2.80	907.65	7.50
		107+41	908,15	908.09	4.20	907.66	11.70
	ī	107+86	907.81	907.33	6.00	906.63	12.10
	ļ	108+38	907.32	907.02	5.70	906.24	11,30
		108+84	906.75	906.23	5.30	904.91	11.20
	English and the second	109+33	906,36	905.68	6,20	904.20	13.80
	END TN LN	109+73	905.76	905.20	7.00	903.61	17.80
	in a grant and					000.00	40.00
233RD	BEGIN TN LN	110+91	903,86	903.87	5.00	903.87	10.00
		111+54	902.20	901.72	4.90	900.75	15,00
	·	112+06	901.30	900.64	3.50	899.18	14.60
		112+56	900.32	899.72	4.40	897.85	15.20
		113+06	899,70	899.11	4.00	897.20	14.30
	ţ	113+57	899.23	898.67	4.40	896.43	13.70
The second second second	\$	114+09	898.92	898.30	5.40	895.72	14.20
	1	114+55	898.75	898.34	4.20	895.33	16.90
	<u>.i.,</u> .	115+05	898,27	897.90	4.50	895.49	14.50
	*	115+63	897.47	896,66	6.00	894.10	16.40
	END TH LN	115+71	897.07	896.06	5.20	894.00	15.00

ONSTRUCT URN LANE		STATION	EXISTING EM	EXISTING SH.Pl.	EXISTING SH. PI. LOCATION	EXISTING DITCH BOTTOM	EXISTING DITCH BOTTOM LOCATION
	.,						
235TH	BEGIN TN LN	123+56	900.65	900.20	9.00	900.01	14.50
		124+20	901,00	900.80	2.40	902.16	14.30
		124+71	900.71	900.89	2.50	902,53	12.00
		125+23	902.45	901.45	3,80	902.82	12.10
		125+73	902.45	901.23	3.90	902.17	11.30
		126+19	901.88	902.14	2.80	903.15	12,00
		126+69	902.29	902.25	3.50	903.59	11.70
		127+18	902,60	902.44	2.80	904.15	12.40
		127+69	902.81	902.68	3.10	904.63	13,00
	END TN LN	128+36	902.60	902.41	4,70	902.73	10,40
237TH	BEGIN TN LN	135+37	908.95	908.54	2.00	906.03	16.40
		135+87	909.13	908.69	2.40	906.41	15.70
		136+37	909.22	908.79	2.20	906.20	15.70
		136+83	909.03	908.73	1.40	905.98	16.40
		137+30	908.80	908.07	3.40	905.39	15.20
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	137+77	908.42	907.73	2.80	905.14	14.90
		138+27	907.88	906.83	4.00	904.64	16.00
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	138+75	907.35	906.21	4.70	904.18	16.30
	n, a construction and a construction of the services	139+24	906.44	905.83	1.80	903.23	16.00
		139+73	905.28	904.84	3.30	902,64	13.90
	END TN LN	140+17	904.85	904.38	4.00	902.32	12.00
		verse expression from the con-	- Control of the second	y			
239TH	BEGIN TN LN	151+80	904.86	904.76	4.00	904.42	12,00
		152+07	904.91	904.71	2.60	903.25	16.00
		152+52	905.05	904.43	3.50	902.11	15.60
		153+01	905.30	904.66	2.20	902.41	13.20
		153+50	905.65	905.20	2.40	902.60	13.70
		154+00	905.94	905.42	2,60	903.15	14.10
	v	154+49	906,17	905.64	2.10	903,45	12.70
		154+97	906,42	906.04	1.80	903.40	15.40
		155+56	906.94	906.54	3.40	904.05	16.10
		155+96	907.17	906.72	2.10	904.35	14.30
		156+44	907.38	906.92	1.70	904,74	12.00
	END TN LN	156+60	907.43	907.00	2.00	904.80	13.00
					Tita	,	
CR 76	BEGIN TN LN	162+60	and the second second				7 ·
	END TN LN	167+40	#	NC	NEW WIDTH NEE	ノニン	

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						I HEREBY CERTII OR UNDER MY D LICENSED PROF THE STATE OF M PRINT NAME: SIGNATURE:
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	2:\12-01-00\CSA	H_85_(CSA	H22-CR76	\Pian\Detalis.dg	02/27/2012 11:39:46 AM	DATE: 2/2

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TIFY THAT THIS PLAN WAS PREPARED BY ME DIRECT SUPERVISION AND THAT I AM A DULY OFESSIONAL ENGINEER UNDER THE LAWS OF MINNESOTA.

CHARLES CAPENHEAD

LICENSE NO. 40416

DRAWN 8Y \_\_CSO \_\_ DATE 2/18/2011



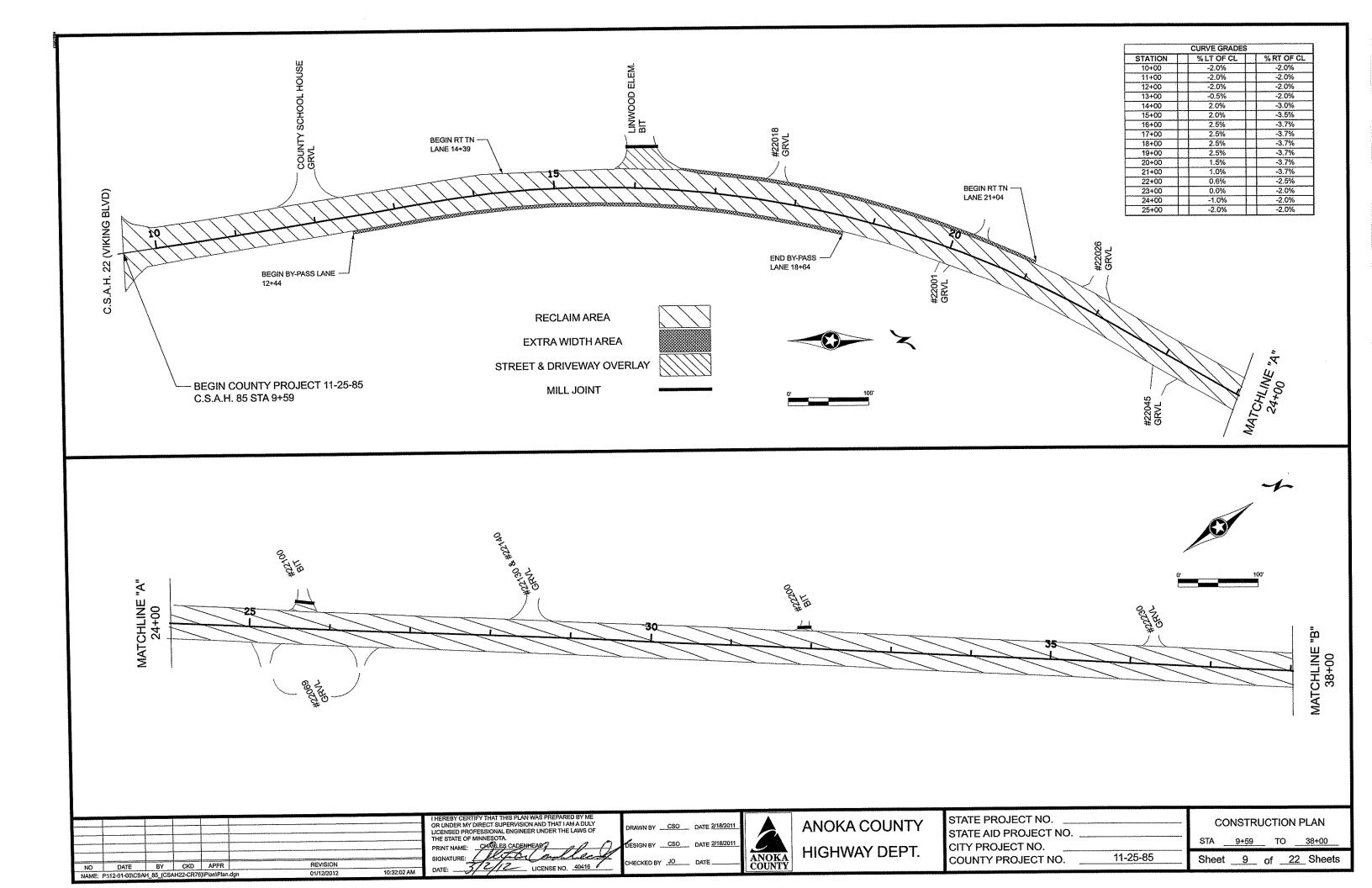
ANOKA COUNTY HIGHWAY DEPT.

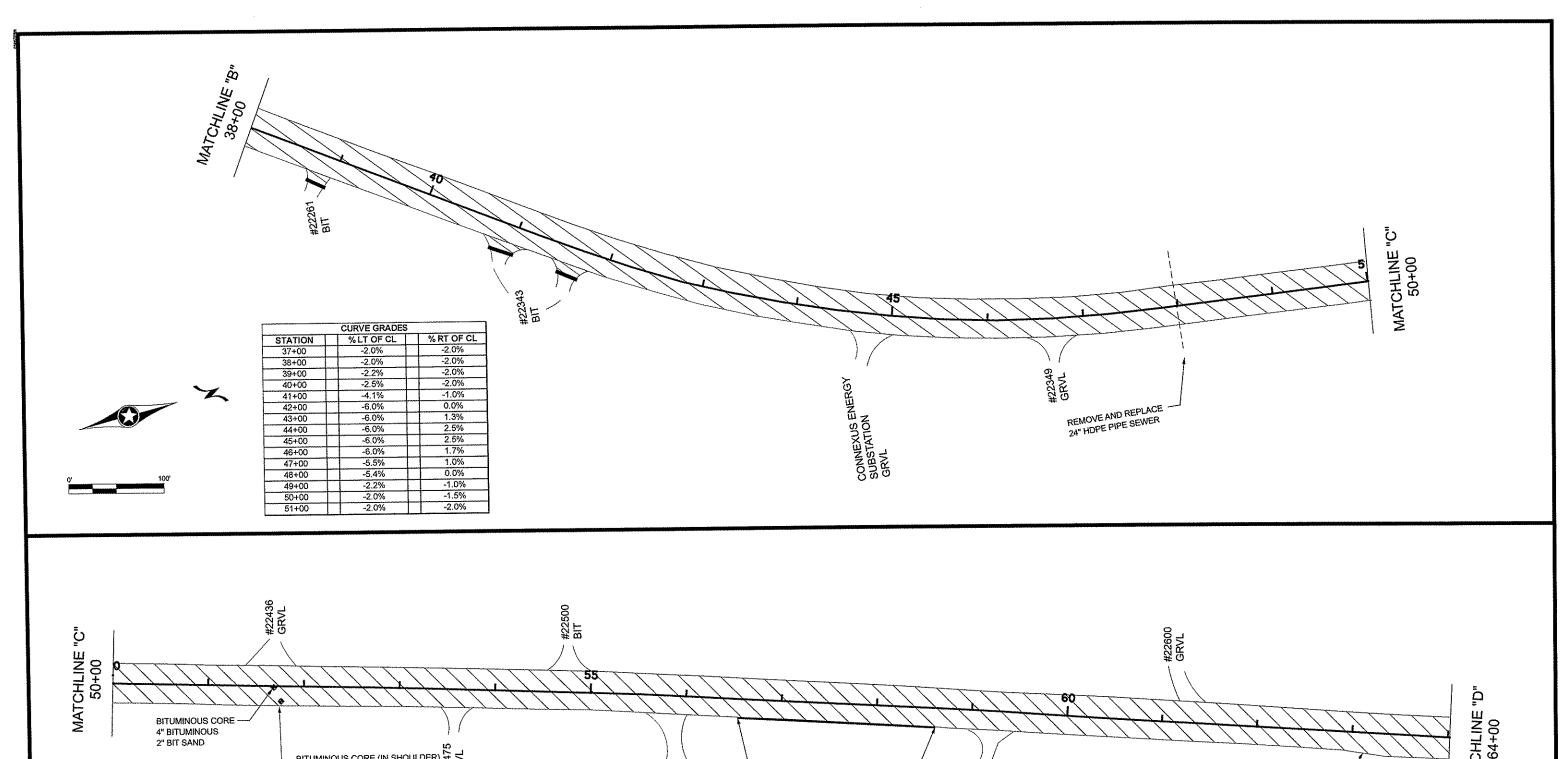
Remark Confidence

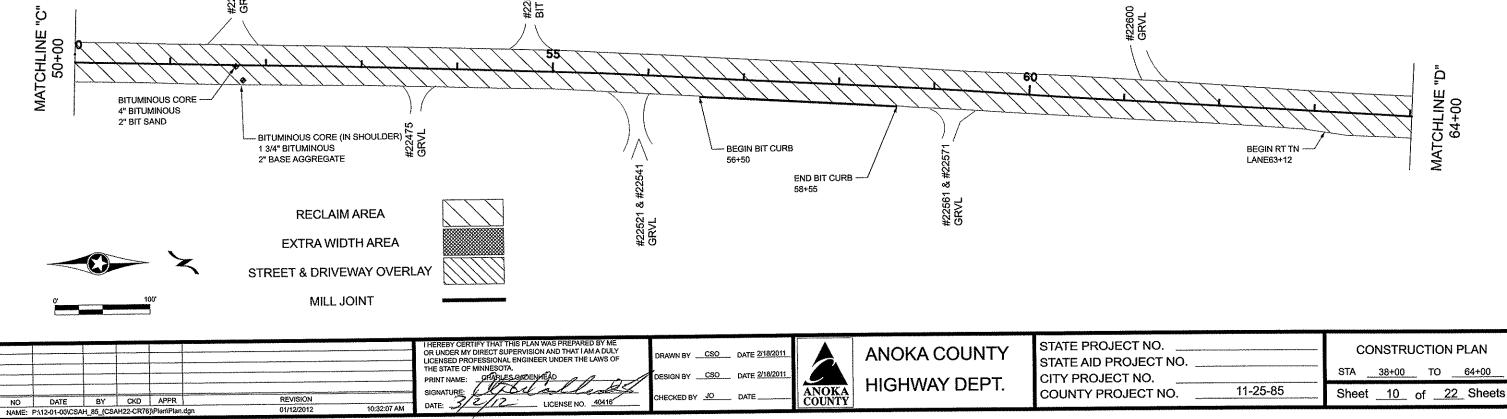
STATE PROJECT NO	
STATE AID PROJECT NO.	
CITY PROJECT NO	
COUNTY PROJECT NO	11-25-85

RIGHT TURN LANE & BY-PASS LANE TABS

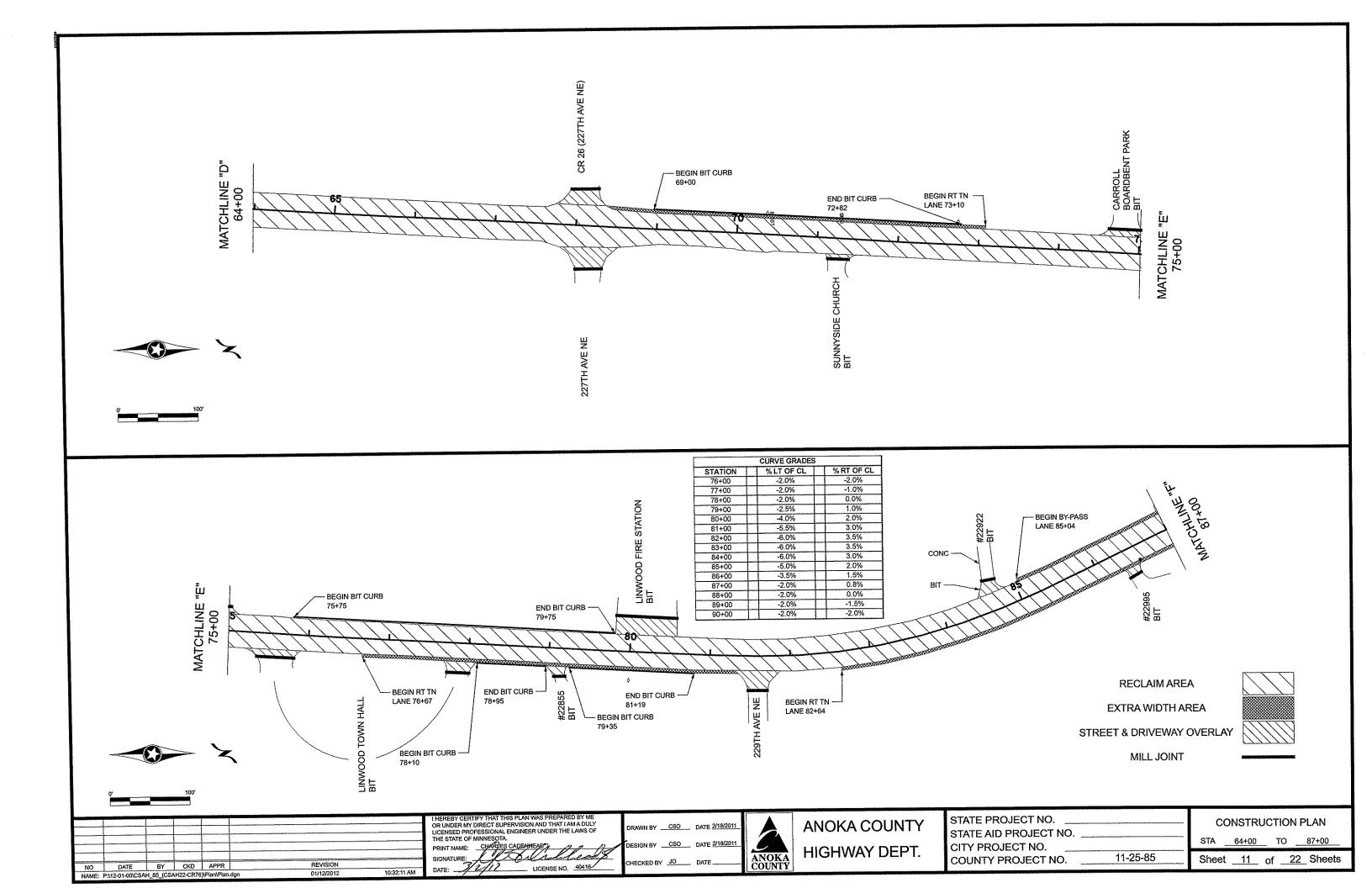
Sheet 8 of 22 Sheets

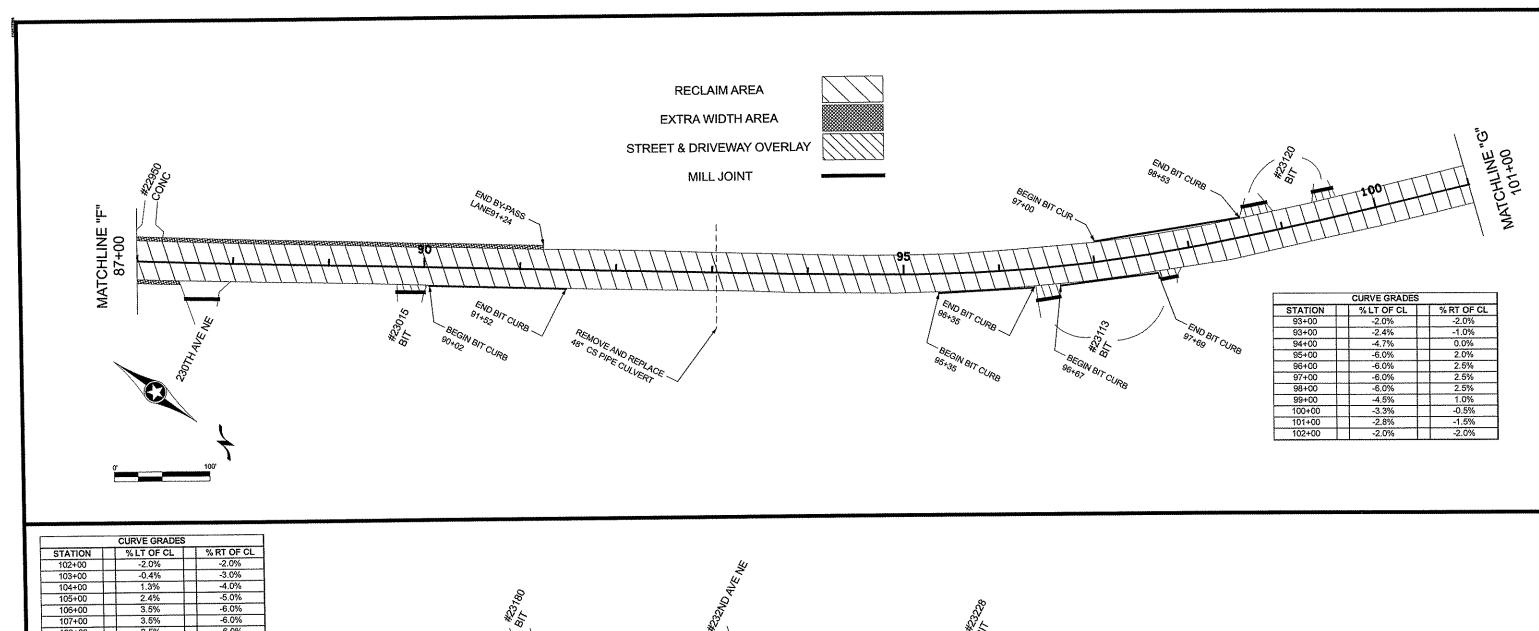


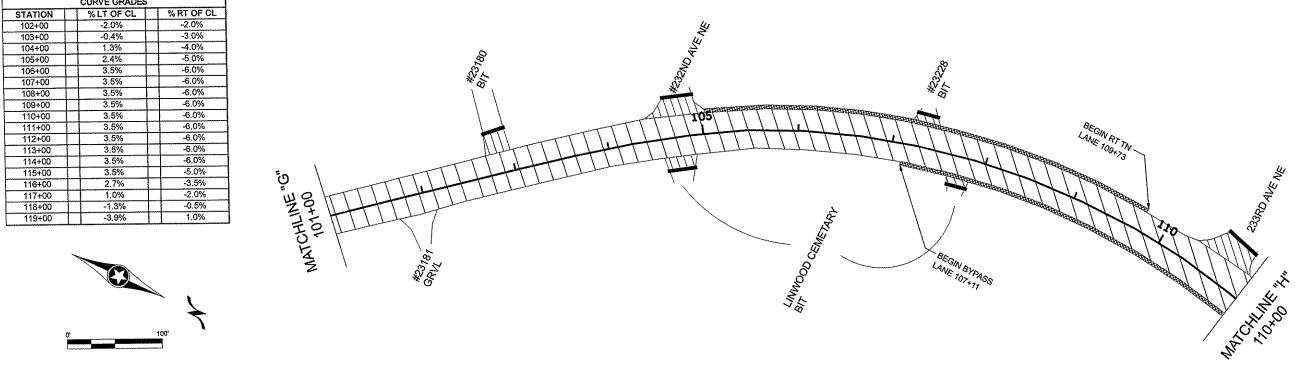




PRINT NAME: OFFIRE SOMOENHEAD DESIGN BY CSO DATE 2/18/2011	ANOKA	HIGHWAY
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LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF
THE STATE OF MINNESOTA.
PRINT NAME: CHARLES CADENHEAD 2 2 2 2 2 2 2 2

HE STATE OF MINNESOTA.
RINT NAME: SHARLES CADENHEAD
GNATURE: 12 12 LICENSE NO. 49416

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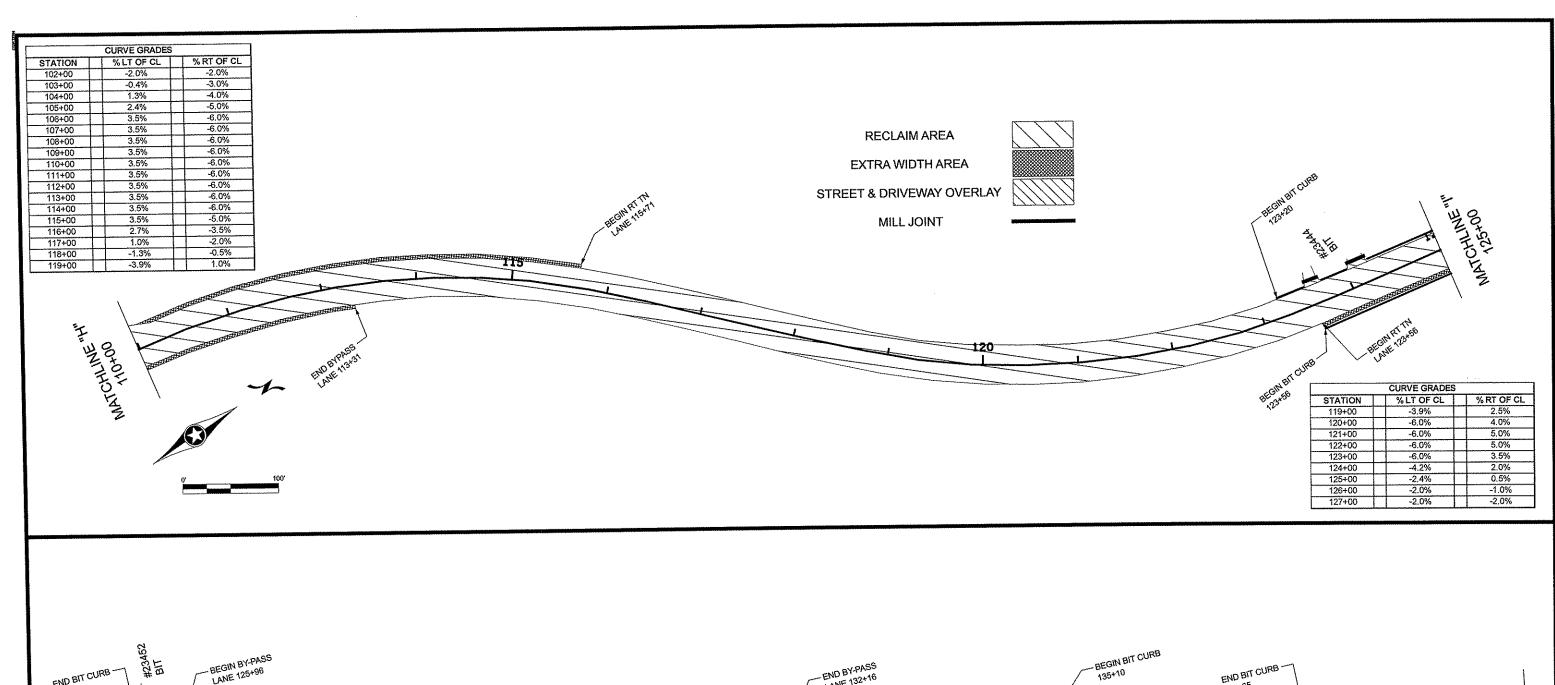
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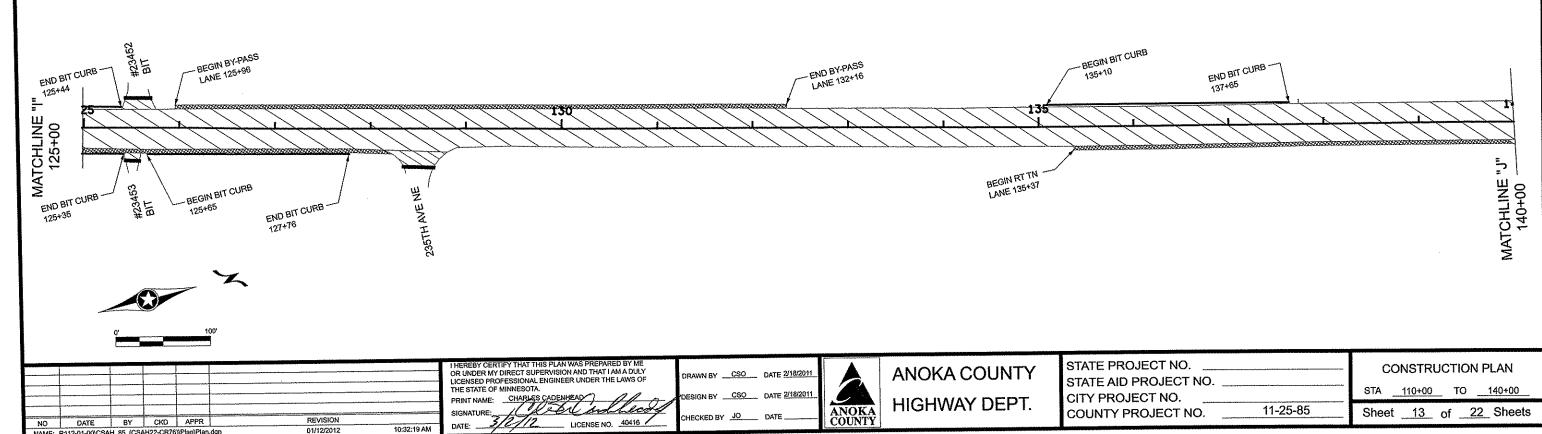
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CITY PROJECT NO	
COUNTY PROJECT NO.	11-25-85

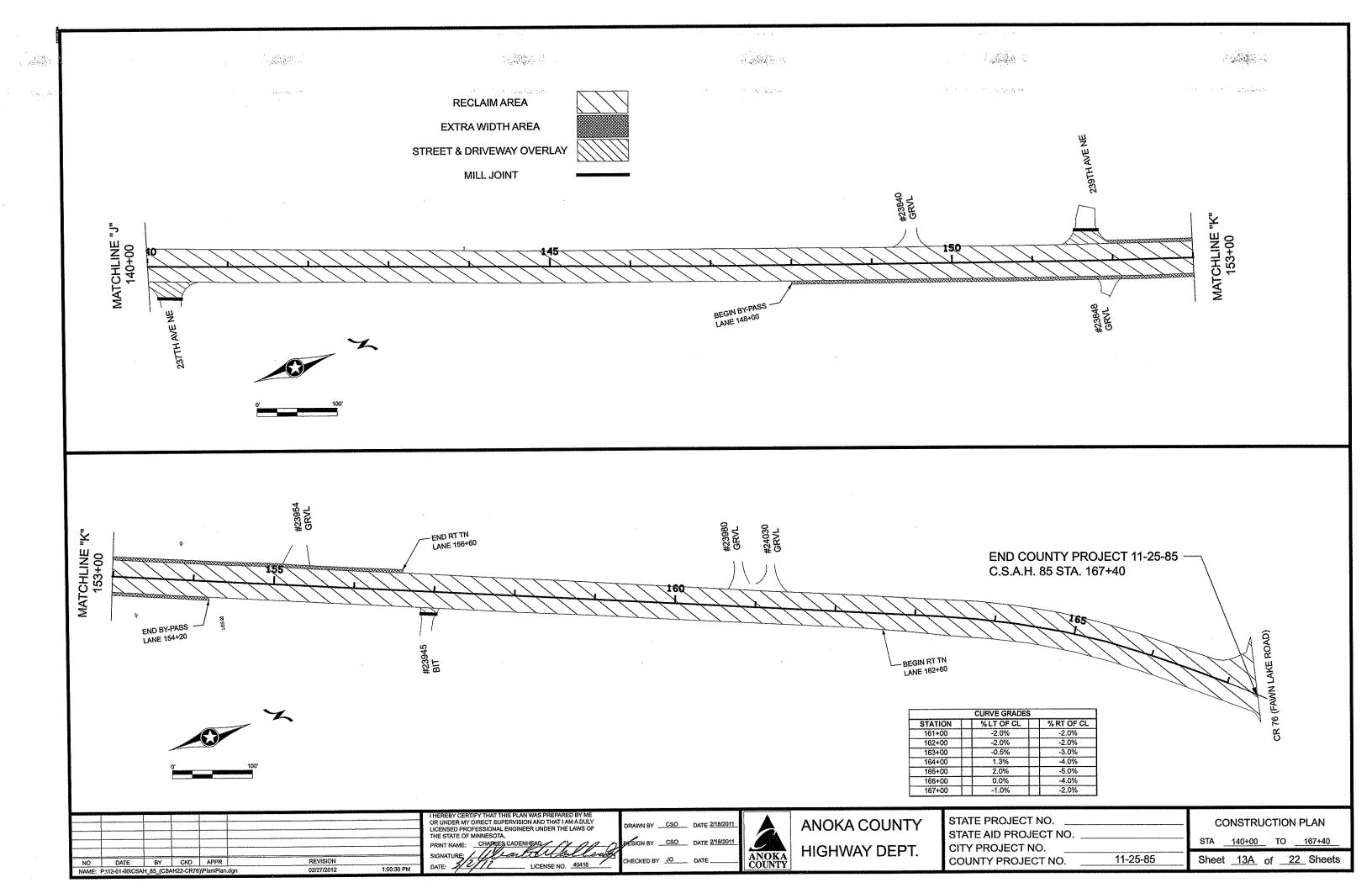
CONSTRUCTION PLAN

STA <u>87+00</u> TO <u>110+00</u>

Sheet <u>12</u> of <u>22</u> 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 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.

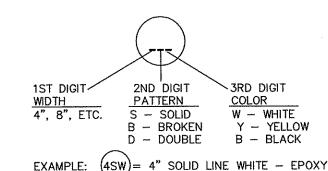
PERMANENT PAVEMENT MARKING TABULATION						
ltem	Quantity	Units				
4" Double Solid Line Yellow - Epoxy	9626	Lin Ft				
4" Solid Line Yellow - Epoxy	1100	Lin Ft				
4" Broken Yellow Line - Epoxy (10 ft stripe / 40 ft gap)	1180	Lin Ft				
4" Solid Line White - Epoxy	33441	Lin Ft				
4" Broken Line White - Epoxy (10 ft stripe / 40 ft gap	200	Lin Ft				

### SYMBOLS & MATERIALS LEGEND

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

# STRIPING KEY

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



NO DATE BY CKD APPR REVISION

NAME: T:\Traffic\dmy\CSAH 85\Perm punt mrkg guide notes\_guideines.dmy

DATE:

HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY I R UNDER MY DIRECT SUPERVISION AND THAT I AM A ULY LICENSED PROFESSIONAL ENGINEER UNDER HE LAWS OF THE STATE OF MINNESOTA.

RINT NAME: QHARLES CADENHEAD
GNATURE: LICENSE NO. 40416

DRAWN BY MTH DATE 12/01/2011

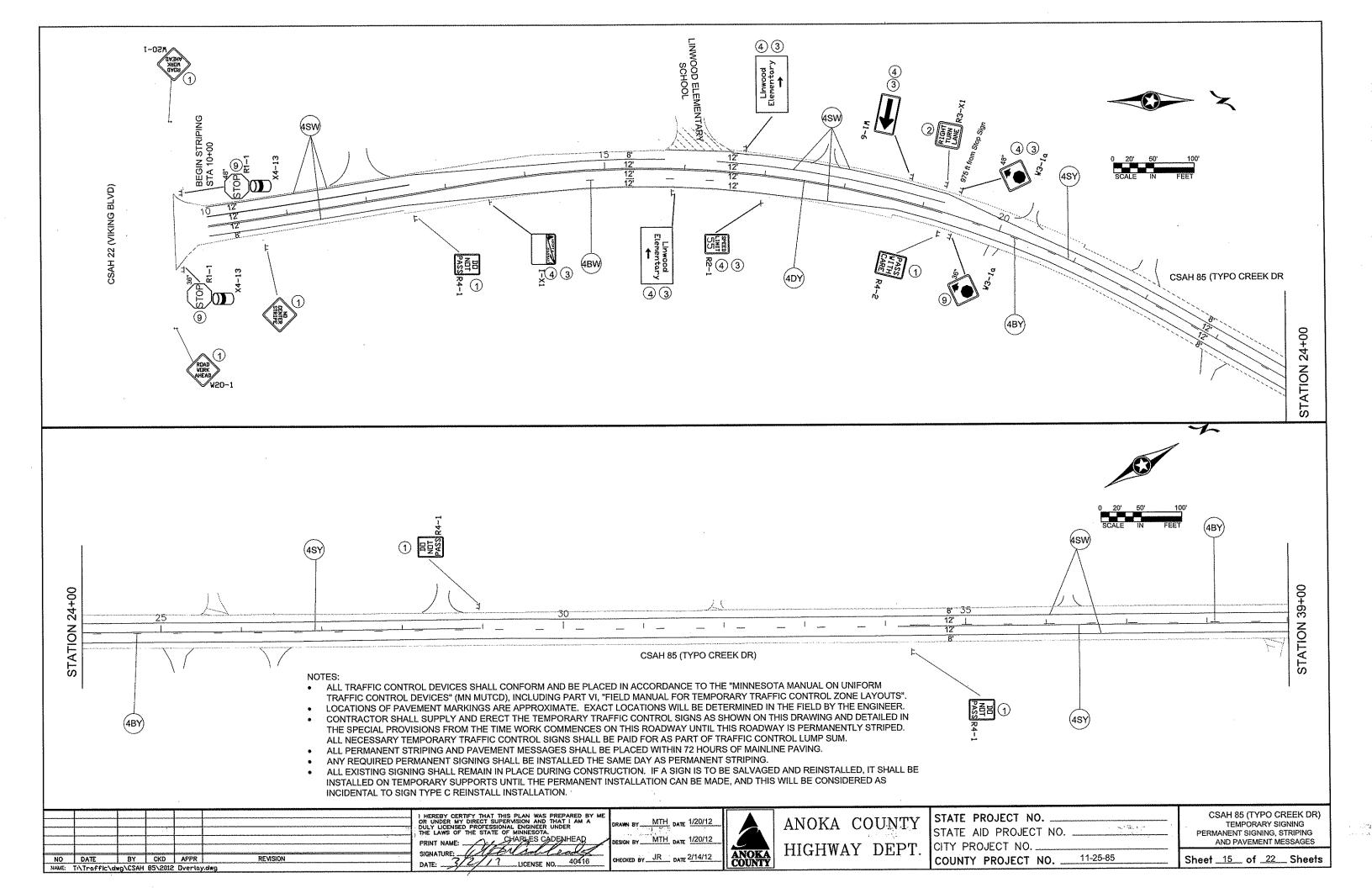
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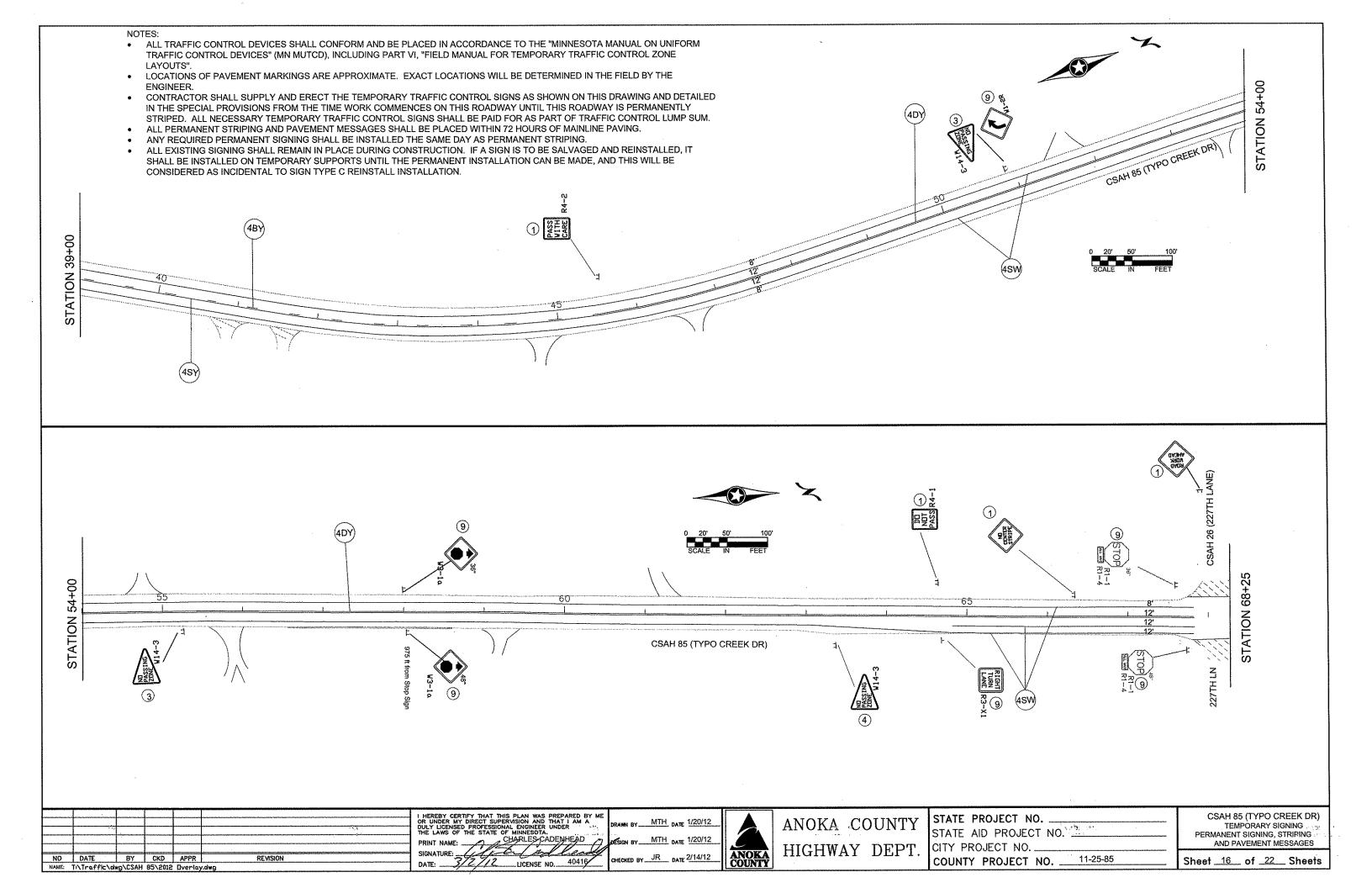
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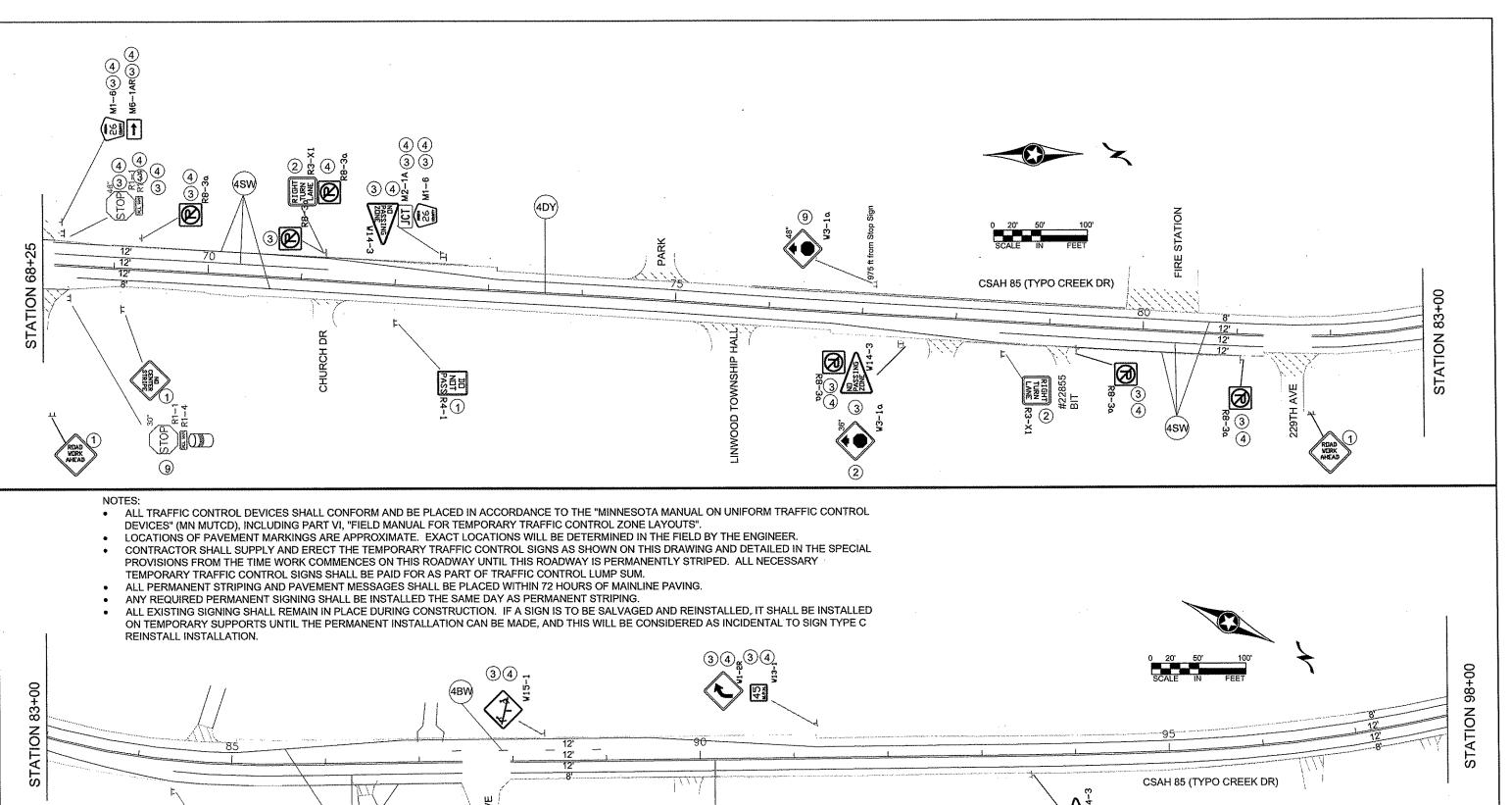
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COUNTY PROJECT NO. \_\_\_\_\_
11-25-85

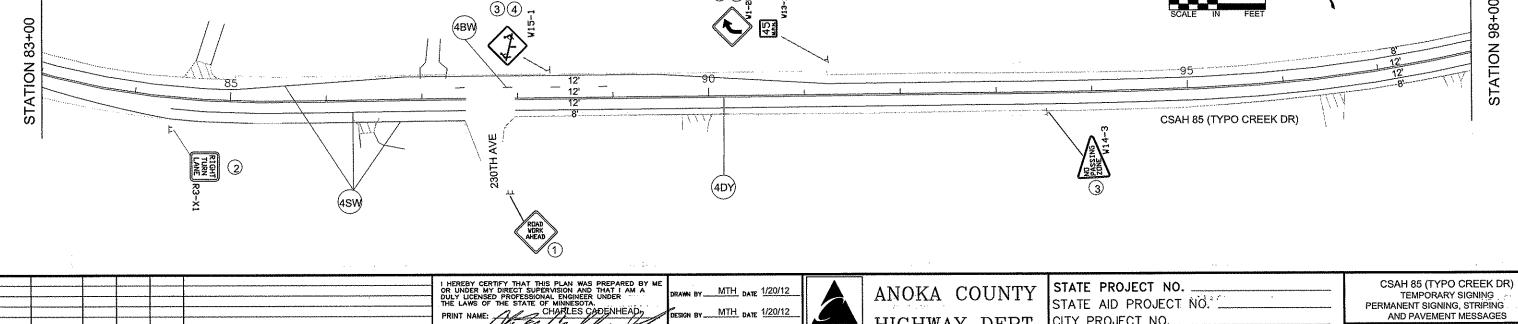
PERMANENT MARKING TABULATION

Sheet <u>14</u> of <u>22</u> Sheets









BY CKD APPR

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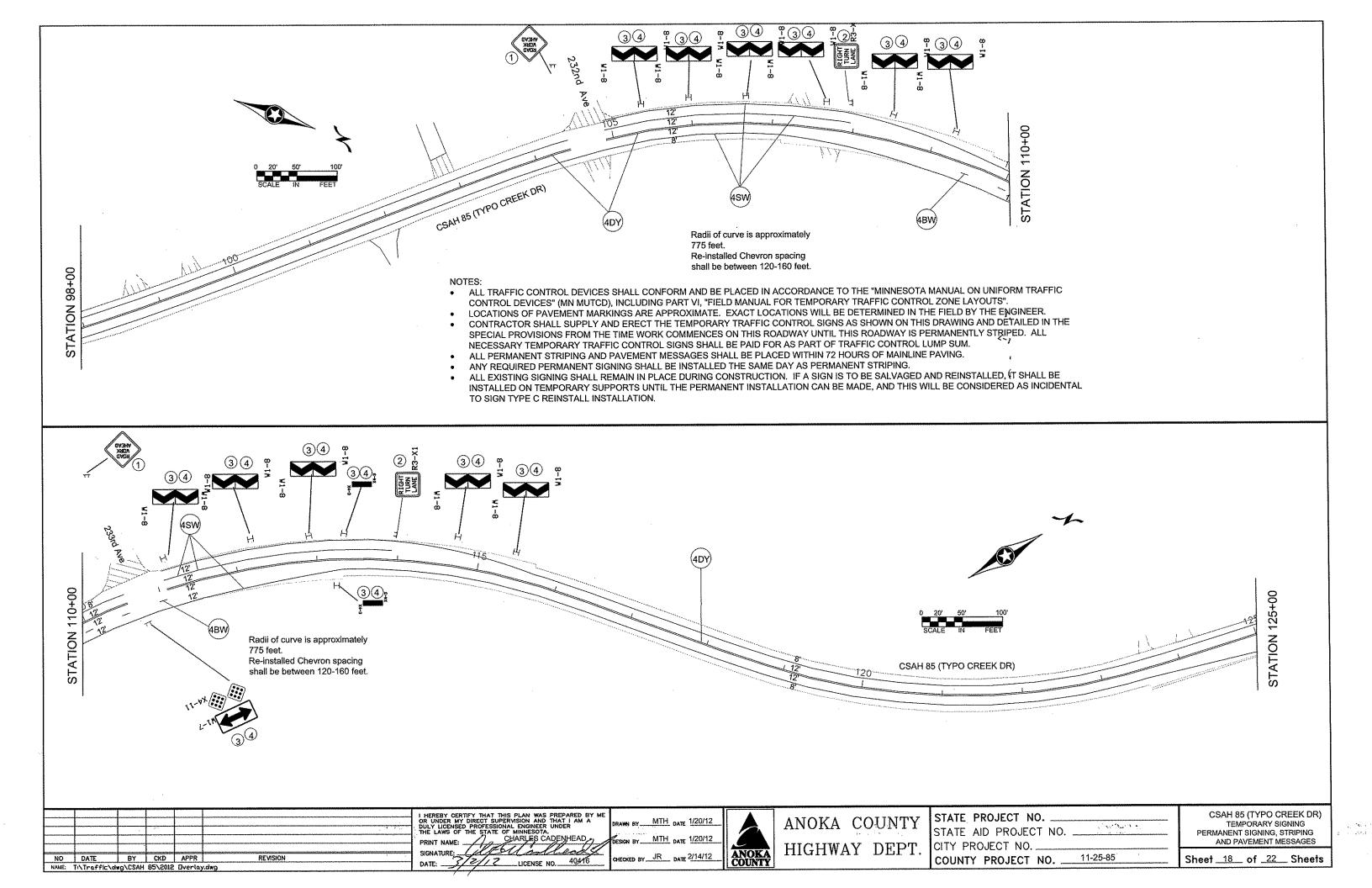
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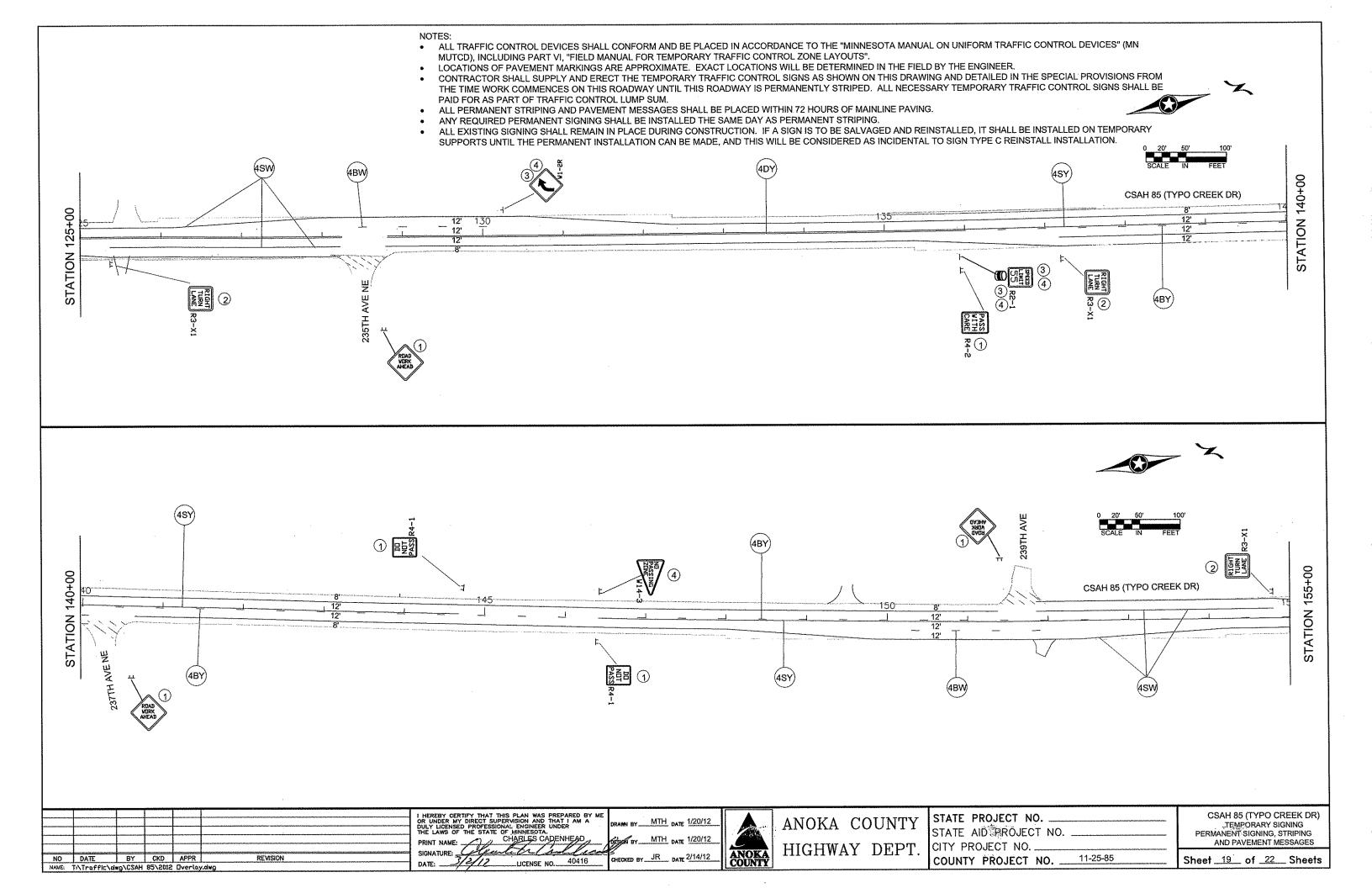
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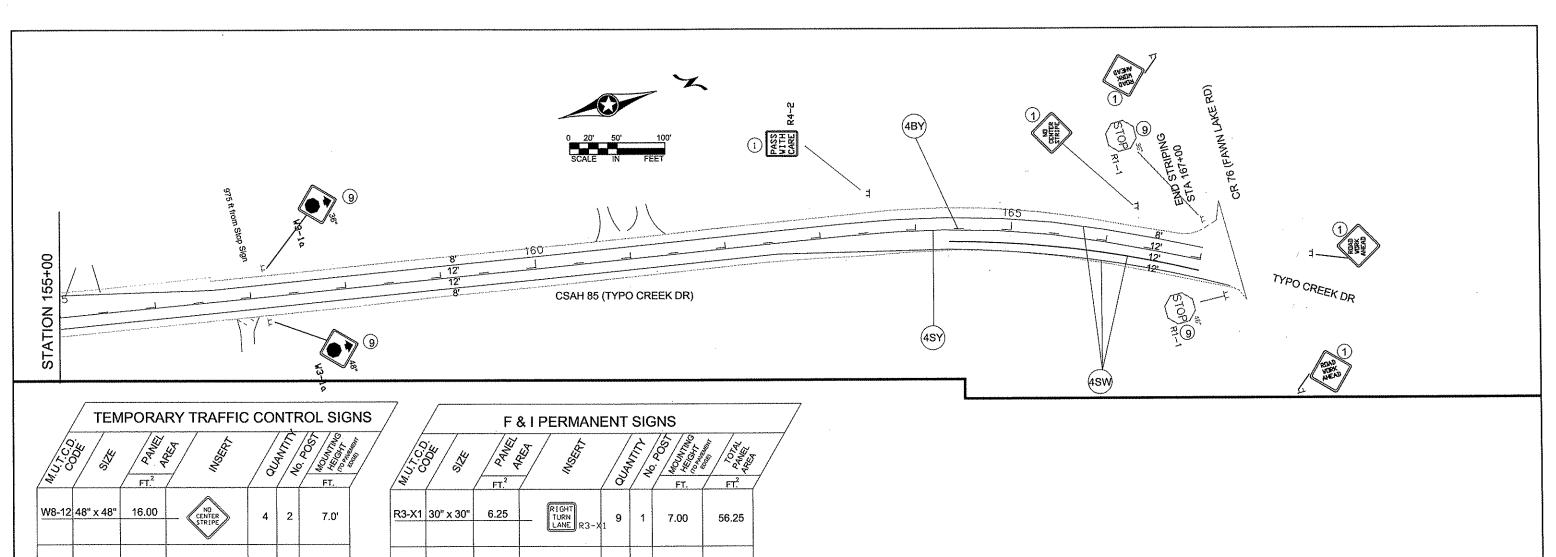
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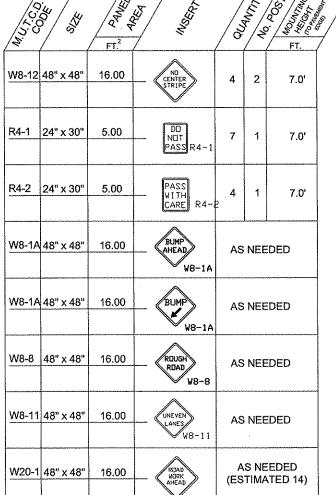
Sheet 17 of 22 Sheets

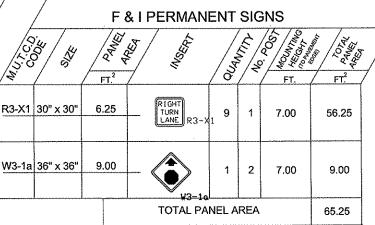
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### SEE SPECIAL PROVISIONS

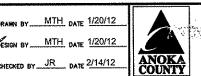
- TEMPORARY TRAFFIC CONTROL SIGN
- F & I PERMANENT SIGN
- <u>(3)</u> SALVAGE PERMANENT SIGN
- 4) RE-INSTALL PERMANENT SIGN
- INPLACE RETAIN

- 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".
- LOCATIONS OF PAVEMENT MARKINGS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 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. IF A SIGN IS TO BE SALVAGED AND REINSTALLED, IT SHALL BE INSTALLED ON TEMPORARY SUPPORTS UNTIL THE PERMANENT INSTALLATION CAN BE MADE, AND THIS WILL BE CONSIDERED AS INCIDENTAL TO SIGN TYPE C REINSTALL INSTALLATION.

NAME:	Ti\Traffic\d	wo\CSAH	85\2012	Overlay	:dwo
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LICENSE NO.

MTH DATE 1/20/12



ANOKA COUNTY HIGHWAY DEPT.

STATE PROJECT NO. STATE AID PROJECT NO. CITY PROJECT NO. COUNTY PROJECT NO. \_

CSAH 85 (TYPO CREEK DR) TEMPORARY SIGNING PERMANENT SIGNING, STRIPING AND PAVEMENT MESSAGES

Sheet 20 of 22 Sheets

		SALVAGE	AND RE-IN	STALL PEI	RMANENT	SIGNS	
STATION		SALVAGE SIGN TYPEC	SALVAGE SIGN TYPED	INSTALL SIGN TYPEC	INSTALL SIGN TYPE D	SIGN NUMBER	NOTES
		EACH	EACH	EACH	EACH		
13+50	Rt		1		1	Adopt	
16+00	Rt		1		1	School	
16+70	Lŧ		1		1	School	
17+00	Ftt	1		1		R2-1	
18+80	Lt	1		1		W1-6	
19+20	Lt	1		, 1		W3-1	
51+00	Lt	1				W14-3	
55+20	Rt	1				W14-3	
63+30	FRt			1		W14-3	
68+50	Lt	1		1		R1-1 / R1-4 / delineator	
68+50	Lt	1		1		M1-6 / M6-1AR	
69+30	Lt	1		1		R8-3a	
71+30	Lt	1		1		R8-3a	
72+50	Lt	1		1		W14-3 / M2-1a / M1-6	
77+40	Rt			1		R8-3a	
77+40	Rt	1				W14-3	
79+30	Rt	1		1		R8-3a	
81+00	Rt	1		1		R8-3a	
88+30	Lt	1		1		W15-1	***************************************
91+30	Lt	1		1		W1-2R/W13-1	
93+60	Rt	1				W14-3	
105+40	Lt	1		1	<b>-</b>	W1-8 / W1-8	
106+00	Lt	1		1		W1-8 / W1-8	
. 106+70	Lt	1		1		W1-8 / W1-8	
107+60	Lt	1		1		W1-8 / W1-8	
108+40	Lt	1		1		W1-8 / W1-8	
109+30	Lt	1		1		W1-8 / W1-8	
110+70	Rt	1		1		W1-7 / x4-2 / x4-2	
111+20	Lt	1		1		W1-8 / W1-8	
112+20	Lt	1		1		W1-8 / W1-8	
112+90	Lt	1		1		W1-8 / W1-8	
112+20	Rt	1		1		X4-3 / x4-3	
112+30	Lt	1		1		X4-3 / x4-3	
114+70	Lt	1		1		W1-8 / W1-8	
115+40	Lt	1		1		W1-8 / W1-8	
130+20	Lt	1		1	1	W1-2R	
135+90	Rt	1		1		R2-1/terminal post	<b> </b>
146+40	Lt			1		W14-3	1
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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 LUCENSED PROFESSIONAL REGISTER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: CHARLES CADENHEAD,

SIGNATURE: LICENSE NO. 40416

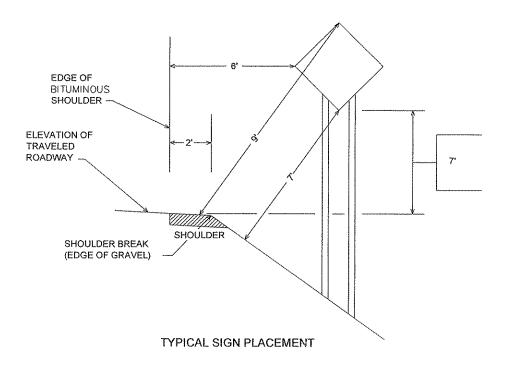


ANOKA COUNTY HIGHWAY DEPT.

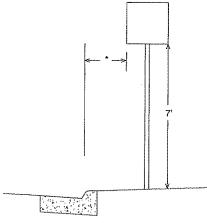
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COUNTY PROJECT NO. 11-25-85	

CSAH 85 (TYPO CREEK DR)
TEMPORARY SIGNING
PERMANENT SIGNING, STRIPING
AND PAVEMENT MESSAGES

Sheet <u>21</u> of <u>22</u> Sheets



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



STOP

SECONDARY SIGN

DIVIDED

HIGHWAY

7'

TYPICAL SIGN PLACEMENT

#### NOTE:

- ALL DIMENSIONS ARE MINIMUMS
- MAINTAIN 2' CLEAR FROM SIGNS TO BITUMINOUS TRAIL

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\_\_ LICENSE NO. \_\_\_\_40416/

ANOKA COUNTY

ANOKA COUNTY HIGHWAY DEPT. STATE PROJECT NO.
STATE PROJECT NO.
STATE PROJECT NO.
COUNTY PROJECT NO.
11-25-85
SIGNING & STRIPING DETAILS
SIGNING & STRIPING DETAILS
SHeet 22 of 22 Sheets