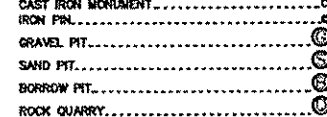
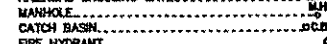
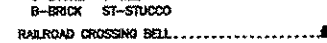
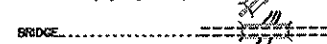
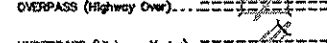
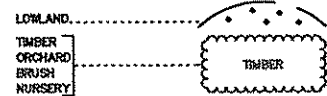
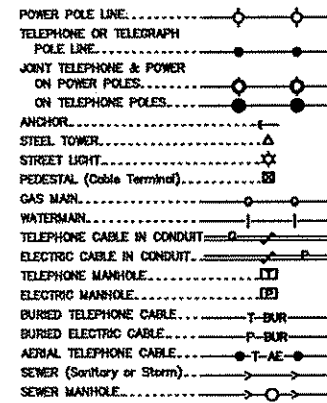


PLAN SYMBOLS

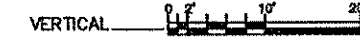
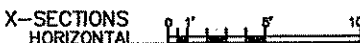
- COUNTY LINE.....
- TOWNSHIP OR RANGE LINE.....
- SECTION LINE.....
- QUARTER LINE.....
- SIXTEENTH LINE.....
- RIGHT OF WAY LINE.....
- SLOPE EASEMENT.....
- EXISTING RIGHT OF WAY.....
- PROPERTY LINE.....
- CORPORATE OR CITY LIMITS.....
- RETAINING WALL.....
- RAILROAD.....
- RAILROAD RIGHT OF WAY.....
- RIVER OR CREEK.....
- DRAINAGE DITCH.....
- CULVERT.....
- DROP INLET.....
- GUARD RAIL.....
- BARBED WIRE FENCE.....
- WOVEN WIRE FENCE.....
- CHAIN LINK FENCE.....
- WOOD FENCE.....
- STONE WALL OR FENCE.....
- HEDGE.....



UTILITY SYMBOLS



SCALES



# MINNESOTA DEPARTMENT OF TRANSPORTATION

## ANOKA COUNTY

### CONSTRUCTION PLAN FOR GRADE ADJUSTMENT & BIT. SURFACING

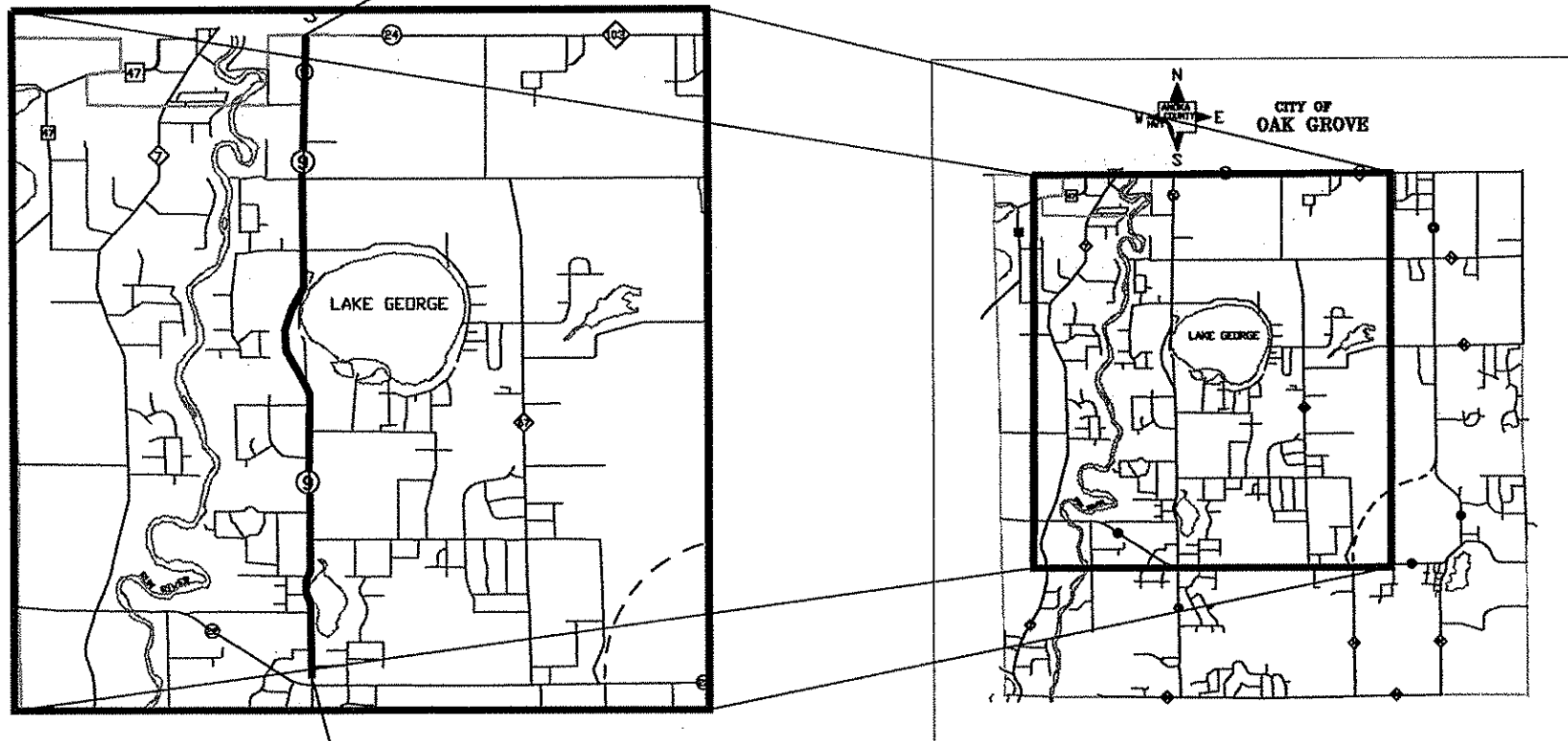
LOCATED ON CSAH 9 FROM 500 FT. N. OF CSAH 22 TO C.S.A.H. 24

COUNTY PROJ. NO. 03-12-09  
C.S.A.H. 9

GROSS LENGTH	<u>24162.00</u> FEET	<u>4.576</u> MILES
BRIDGES-LENGTH	<u>0.00</u> FEET	<u>0.000</u> MILES
EXCEPTIONS-LENGTH	<u>0.00</u> FEET	<u>0.000</u> MILES
NET LENGTH	<u>24162.00</u> FEET	<u>4.576</u> MILES

END C.P. 03-12-09  
STA. 251+62

BEG. C.P. 03-12-09  
STA. 10+00



MINN. PROJ. NO. \_\_\_\_\_  
MINN. PROJ. NO. \_\_\_\_\_

GOVERNING SPECIFICATIONS

THE 2000 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS - JANUARY, 2001."

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3-4	TABULATION CHARTS
5	TYPICAL SECTIONS
6-7	DETAILS
8	PLAN AND PROFILE
9-10	CROSS SECTIONS
11-19	STRIPING PLAN

THIS PLAN CONTAINS 19 SHEETS

DESIGN DESIGNATION

ESAL <sub>20</sub>	<u>1,152,883</u>
R VALUE	<u>70</u>
ADT (2002) =	<u>8000</u>
Proj. ADT (2022) =	<u>12,000</u>
Proj. HCADT (2022) =	<u>708</u>
Soil Factor	<u>NA</u>
_____ TON DESIGN	

Functional Classification	<u>MINOR ARTERIAL B'S</u>
No. of Traffic Lanes	<u>2</u>
No. of Parking Lanes	<u>0</u>
Design Speed	<u>55 MPH</u>
Based on Stopping Sight Distance	
Height of eye	<u>3.5'</u>
Height of object	<u>0.5'</u>
Design Speed not achieved at:	
STA. _____ TO STA. _____	MPH _____
STA. _____ TO STA. _____	MPH _____
STA. _____ TO STA. _____	MPH _____

Approved 4/29/03 ANOKA COUNTY ENGINEER

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: MARK DALY  
SIGNATURE:   
DATE: 4/29/03 LICENSE NO. 21763

DRAWN BY: J.E. DATE: 4/29/03  
DESIGN BY: G.A. DATE: 4/29/03  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**ANOKA COUNTY**  
**HIGHWAY DEPT.**

STATE PROJECT NO. \_\_\_\_\_  
STATE AID PROJECT NO. \_\_\_\_\_  
STATE AID PROJECT NO. \_\_\_\_\_  
COUNTY PROJECT NO. 03-12-09

TITLE SHEET

Sheet 1 of 19 Sheets

A. STATEMENT OF ESTIMATED QUANTITIES					
TAB NO.	ITEM NO.	ITEM	NOTE	UNIT	QTY
	2021.501	MOBILIZATION		LUMP SUM	1.00
J	2104.503	REMOVE CONCRETE DRIVEWAY PAVEMENT		SQ YD	17.00
L	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)		LIN FT	15.00
	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	9	LIN FT	80.00
	2105.522	SELECT GRANULAR BORROW (LV)	1	CU YD	475.00
	2105.525	TOPSOIL BORROW (LV)	1	CU YD	75.00
	2123.509	DOZER	1,4	HOURL	10.00
	2130.501	WATER	5	M-GAL	30.00
N	2211.501	AGGREGATE BASE CLASS-5	2,6	TON	550.00
M	2221.501	AGGREGATE SHOULDERING CLASS-7B	6	TON	305.00
I	2232.501	MILL BITUMINOUS SURFACE ( 1 1/2")		SQ YD	320.00
	2331.604	BITUMINOUS PAVEMENT RECLAMATION	1	SQ YD	1367.00
E	2350.609	TYPE MV 3 WEARING COURSE MIXTURE	3,7	TON	8730.00
G	2350.609	TYPE LV 4 WEARING COURSE MIXTURE, STREET APPR & ENT	7	TON	330.00
F	2350.609	TYPE LV 3 NON-WEARING COURSE MIXTURE	1,7	TON	120.00
H	2357.502	BITUMINOUS MATERIAL FOR TACK COAT		GALLON	4665.00
	2501.511	15" CS PIPE CULVERT		LIN FT	52.00
	2501.567	15" CS SAFETY APRON & GRATE		EACH	2.00
K	2531.507	6" CONCRETE DRIVEWAY PAVEMENT		SQ YD	17.00
Q	2540.602	INSTALL MAILBOX SUPPORT		EACH	50.00
	2563.601	TRAFFIC CONTROL		LUMP SUM	1.00
	2563.604	CONSTRUCTION SIGN SPECIAL (DIAMOND GRADE)	8	SQ FT	112.00
P	2564.603	4" SOLID LINE WHITE-EPOXY		LIN FT	49152.00
P	2564.603	4" SOLID LINE YELLOW-EPOXY		LIN FT	7198.00
P	2564.603	4" BROKEN LINE YELLOW-EPOXY		LIN FT	3300.00
P	2564.603	4" DOUBLE SOLID LINE YELLOW-EPOXY		LIN FT	7059.00
	2575.501	SEEDING	1	ACRE	0.40
	2575.502	SEED MIXTURE 80B	1	POUND	20.00
	2575.511	MULCH MATERIAL, TYPE 1	1	TON	0.80
	2575.519	DISC ANCHORING	1	ACRE	0.40
	2575.532	COMMERCIAL FERTILIZER, 22-5-10 (SLOW RELEASE)	1	POUND	200.00
O	2580.501	TEMPORARY LANE MARKING		LIN FT	1933.00

B. CONSTRUCTION NOTES	
1	FOR GRADE CORRECTION 151+25 - 154+15
2	INCLUDES 240 TON FOR GRADE CORRECTION (STA 151+25 - 154+15)
3	INCLUDES 200 TON FOR GRADE CORRECTION (STA 151+25 - 154+15)
4	TO BE USED TO STRIP INPLACE TOPSOIL AND SPREAD THE SALVAGED TOPSOIL ON SLOPES IN THE RECONSTRUCTION AREA (AS DIRECTED BY THE ENGINEER)
5	FOR DUST CONTROL AS DIRECTED BY THE ENGINEER
6	RECYCLED GLASS WILL NOT BE ALLOWED IN CLASS-5 OR CLASS-7B
7	INCLUDES QUANTITY FOR ADDING 1/4" TO THE DESIGN THICKNESS
8	2 - 8' X 7' SIGNS, SEE SPECIAL PROVISIONS
9	FOR CULVERT INSTALLATION, STA 151+45 RT

C. BASIS OF ESTIMATED QUANTITIES	
SPEC NO.	RATE
2350	TYPE MV 3 WEARING COURSE MIXTURE (MVWE35035B) TYPE LV 4 WEARING COURSE MIXTURE, STREET APPR. & ENT. (LVWE45030B) TYPE LV 3 NON WEARING COURSE MIXTURE (LVNW35030B)
2357	BITUMINOUS MATERIAL FOR TACK COAT 0.05/SQ YD./LIFT APPLIED
2375	COMMERCIAL FERTILIZER - ANALYSIS 22-5-10 (SLOW RELEASE), 500 LBS/ACRE SEED MIXTURE 80B, 50 LBS/ACRE MULCH MATERIAL, TYPE 1 - 2 TONS/ACRE

D.	MN DOT STANDARD PLATE NO.	DESCRIPTION
	3040 F	CORRUGATED METAL PIPE CULVERT
	3128 H	METAL SAFETY APRON & GRATE
	3221 C	CORRUGATED STEEL PIPE COUPLING BAND

NO	DATE	BY	CHKD	APPR	REVISION

NAME: T:\LIB\Drawg\_template\Plan-Tab Sheet.dwg 03/25/2003 07:43:37 AM CST

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: MARK DALY  
SIGNATURE: *[Signature]*  
DATE: 4/29/03 LICENSE NO. 21763

DRAWN BY: SK DATE 4/29/03  
DESIGN BY: GA DATE 4/29/03  
CHECKED BY: \_\_\_\_\_ DATE \_\_\_\_\_



ANOKA COUNTY  
HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_  
STATE AID PROJECT NO. \_\_\_\_\_  
CITY PROJECT NO. \_\_\_\_\_  
COUNTY PROJECT NO. 03-12-09

STATEMENT OF ESTIMATED QUANTITIES  
Sheet 2 of 19 Sheets

E. TYPE MV3 WEARING COURSE MAIN LINE 1.75" (110LBS/IN/SY)							
MAINLINE STA.	STA.	STA.	LOC	L'	W'	SQ. YDS.	
	1000	10366	C/L	9366.0	30.0	31220.0	
	10366	15125	C/L	4759.0	24.0	12690.7	
	15415	15936	C/L	521.0	24.0	1389.3	
	15936	25162	C/L	9226.0	30.0	30753.3	
<b>RT. TURN LANES</b>							
S. LAKE GEORGE BLVD.	10911	11391	RT	480.0	12.0	640.0	
N. LAKE GEORGE BLVD	14646	15126	RT	480.0	12.0	640.0	
216TH AVE	15425	15905	RT	480.0	12.0	640.0	
LAKE GEORGE DR.	16171	16651	RT	480.0	9.0	480.0	
221ST	18774	19254	RT	480.0	9.0	480.0	
CSAH 24	24675	25155	RT	480.0	9.0	480.0	
208TH LN.	10756	11236	LT	480.0	12.0	640.0	
CSAH 22	520	1000	C/L	480.0	9.0	480.0	
<b>PAVED SHLDS.</b>							
	10366	10911	RT	545	8	484.4	
	11391	14646	RT	3255	8	2893.3	
	15415	15425	RT	10	8	8.9	
	15905	15936	RT	31	8	27.6	
	10366	10756	LT	390	8	346.7	
	11236	15125	LT	3889	8	3456.9	
	15415	15936	LT	521	8	463.1	
<b>1.5 KICK OUTS (AGG. ST. APPR.)</b>							
195TH AVE.				71	1.5	11.8	
198TH AVE.				88	1.5	14.7	
199TH AVE.				105	1.5	17.5	
202ND LN.				108	1.5	18.0	
MINIMUM MAINT. RD.				58	1.5	9.7	
223RD AVE.				89	1.5	14.8	
225TH AVE.				87	1.5	14.5	
<b>1.5 KICK OUTS (AGG. DR.)</b>							
HSE. # 19400			LT	24	1.5	4.0	
HSE. # 20024			LT	32	1.5	5.3	
HSE. # 20152			LT	32	1.5	5.3	
HSE. # 20342			LT	40	1.5	6.7	
HSE. # 20434			LT	31	1.5	5.2	
HSE. # 20466			LT	30	1.5	5.0	
HSE. # 20539			RT	30	1.5	5.0	
HSE. # 20539			RT	30	1.5	5.0	
HSE. # 20660			LT	20	1.5	3.3	
HSE. # 21052			LT	32	1.5	5.3	
HSE. # 21050			LT	50	1.5	8.3	
HSE. # 21224			LT	32	1.5	5.3	
HSE. # 21420			LT	32	1.5	5.3	
HSE. # 21544			LT	32	1.5	5.3	
HSE. # 21627			RT	32	1.5	5.3	
HSE. # 21637			RT	30	1.5	5.0	
HSE. # 21780/2181			LT	36	1.5	6.0	
HSE. # 21856			LT	30	1.5	5.0	
HSE. # 22031			RT	31	1.5	5.2	
HSE. # 22150			LT	32	1.5	5.3	
HSE. # 22203			RT	40	1.5	6.7	
HSE. # UNKNOWN			?	40	1.5	6.7	
HSE. # 22450			LT	35	1.5	5.8	
HSE. # 22580			LT	32	1.5	5.3	
HSE. # 22616			LT	32	1.5	5.3	
NEW DEVELOPMENT			RT	38	1.5	6.3	
HSE. # 22754			LT	36	1.5	6.0	
HSE. # 22806			LT	35	1.5	5.8	
HSE. # 22858			LT	38	1.5	6.3	
HSE. # 22849			RT	32	1.5	5.3	
HSE. # 22905			RT	32	1.5	5.3	
<b>1.5' KICK OUTS (FIELD ENT.: 21 @ AVERAGE WIDTH OF 36' = 756'</b>							
			RT/LT	756	1.5	126.0	
						SQ YD. = 88612.6	
						TONS = 8529.0	

F. TYPE LV3 NON WEARING COURSE MAIN LINE (SAG AREA) 2.25" (110LBS/IN/SY)						
MAINLINE STA.	STA.	STA.		L'	W'	TON
1060 C/L	15125	15425		300.0	25.0	120.0
						TONS = 120.0

G. TYPE LV4 NON WEARING COURSE MAIN LINE ST. APPR/ENT. 1.75" (110LBS/IN/SY)						
				L'	W'	SQ YDS
<b>STREET APPR. (PAVED)</b>						
194TH AVE.				70	30	233.3
197TH AVE.				65	30	216.7
201ST AVE.				66	30	220.0
206TH AVE				54	30	180.0
207TH AVE.				56	30	186.7
208TH AVE.				54	30	180.0
S. LAKE GEORGE BLVD.				55	30	183.3
N. LAKE GEORGE BLVD.				64	30	213.3
216TH AVE.				52	30	173.3
217TH AVE.				54	30	180.0
LAKE GEORGE DR.				60	30	200.0
221ST AVE.			RT	72	30	240.0
221ST AVE.			LT	61	30	203.3
222ND LN.				48	30	160.0
<b>BITUMINOUS ENT. ( ASSUMING 10' RADIUS )</b>						
HSE. # 19503			RT	22	10	24.4
HSE. # 19519			RT	20	10	22.2
HSE. # 19561			RT	22	10	24.4
HSE. # 20115			RT	22	10	24.4
HSE. # 20410			LT	20	10	22.2
HSE. # 20731			RT	23	10	25.6
HSE. # 20748			LT	23	10	25.6
HSE. # 20816			LT	25	10	27.8
SHORESIDE LOUNGE			RT	36	10	40.0
HSE. # 21501			RT	24	10	26.7
HSE. # 21505			RT	30	10	33.3
HSE. # 21620			LT	26	10	28.9
HSE. # 21617			RT	21	10	23.3
HSE. # 21856			LT	20	10	22.2
HSE. # 21915			RT	24	10	26.7
HSE. # 22001			RT	22	10	24.4
HSE. # 22055			RT	24	10	26.7
HSE. # 22247			RT	22	10	24.4
HSE. # 22310			LT	23	10	25.6
HSE. # 22839			RT	32	10	35.6
GROCERY STORE			LT	36	10	40.0
GAS STATION			RT	42	10	46.7
						SQ YDS = 3391.1
						TONS = 326.0

H. BITUMINOUS MATERIAL FOR TACK 0.05 GAL/SQ YD			
	SQ YDS	GAL / SQ YD	GALLONS
MV3 WEAR MAIN LINE	89901.0	0.05	4495.1
MV3 WEAR ST. APPR.	3391.0	0.05	169.6
			(INCLUDES 151+25 - 154+15 )GALLONS = 4664.6

NO	DATE	BY	CHK	APPR	REVISION

NAME: T:\LIB\DWG\_template\Plan-Tab Sheet.dwg 03/25/2003 07:43:37 AM CST

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: MARK DALY  
SIGNATURE: *MDA*  
DATE: 4/23/2003 LICENSE NO. 21763

DRAWN BY: J.F. DATE: 4/1/03  
DESIGN BY: G.A. DATE: 4/1/03  
CHECKED BY: DATE:



ANOKA COUNTY  
HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_  
STATE AID PROJECT NO. \_\_\_\_\_  
CITY PROJECT NO. \_\_\_\_\_  
COUNTY PROJECT NO. 03-12-09

TABULATION CHARTS  
Sheet 3 of 19 Sheets

I. MILL BITUMINOUS SURFACE ( BUTT JOINTS )						
STA./ADDR.	LOC	LENGTH	WIDTH	SQ. YDS.		
10+00	C/L	43	4.0	19.1		
251+62	C/L	138	4.0	61.3		
<b>STREET APPR.</b>						
194TH AVE.		40	4.0	17.8		
197TH AVE.		25	4.0	11.1		
201ST AVE.		26	4.0	11.6		
206TH AVE.		24	4.0	10.7		
207TH AVE.		26	4.0	11.6		
208TH AVE.		24	4.0	10.7		
S. LAKE GEORGE BLVD.		30	4.0	13.3		
N. LAKE GEORGE BLVD.		34	4.0	15.1		
216TH AVE.		22	4.0	9.8		
217TH AVE.		24	4.0	10.7		
LAKE GEORGE DR.		30	4.0	13.3		
221ST AVE.	RT	42	4.0	18.7		
221ST AVE.	LT	36	4.0	16.0		
222ND LN.		28	4.0	12.4		
<b>BIT. DRIVES</b>						
HSE. # 19503	RT	12	1.5	2.0		
HSE. # 19519	RT	10	1.5	1.7		
HSE. # 19561	RT	12	1.5	2.0		
HSE. # 20115	RT	12	1.5	2.0		
HSE. # 20410	LT	10	1.5	1.7		
HSE. # 20731	RT	13	1.5	2.2		
HSE. # 20748	LT	13	1.5	2.2		
HSE. # 20816	LT	15	1.5	2.5		
SHORESIDE LOUNGE	RT	26	1.5	4.3		
HSE. # 21501	RT	14	1.5	2.3		
HSE. # 21505	RT	20	1.5	3.3		
HSE. # 21620	LT	16	1.5	2.7		
HSE. # 21617	RT	11	1.5	1.8		
HSE. # 21856	LT	10	1.5	1.7		
HSE. # 21915	RT	14	1.5	2.3		
HSE. # 22001	RT	12	1.5	2.0		
HSE. # 22055	RT	14	1.5	2.3		
HSE. # 22247	RT	12	1.5	2.0		
HSE. # 22310	LT	13	1.5	2.2		
HSE. # 22839	RT	22	1.5	3.7		
GROCERY STORE	LT	26	1.5	4.3		
GAS STATION	RT	32	1.5	5.3		
				SQ. YDS. = 319.6		

J. REMOVE CONCRETE DRIVEWAY PAVEMENT						
HSE. #	LOC	L'	W'	SQ. YDS.		
HSE. # 22858	LT.	15	10	16.7		
				SQ. YDS. = 16.7		

K. 6" CONCRETE DRIVEWAY PAVEMENT						
HSE. #	LOC	L'	W'	SQ. YDS.		
HSE. # 22858	LT.	15	10	16.7		
				SQ. YDS. = 16.7		

L. SAWING CONCRETE PAVEMENT FULL DEPTH						
HSE. #	LOC	L'	LIN. FT.			
HSE. # 22858	LT.	15	15.0			
		LIN. FT. = 15.0				

M. AGGR. SHLD CL-7B/C (1.5' SHLD. 3.5"/1.5" DEPTH=CU. YDS. (CV)/STATION)							
(0.5' SHLD. 103+66 - 159+36 LT & RT)							
STA.	STA.	LOC.	L-IN STA.	DEPTH	CU. YDS./STA.	CU. YDS. (CV)	
1000	25162	LT.	241.6	1.5	0.35	84.6	
1000	25162	RT.	241.6	1.5	0.35	84.6	
						CU. YDS. (CV) = 169.1	
(BASED ON MN DOT CONVERSION CV-TON OF 1.8) TONS = 304.4							

N. AGGREGATE BASE CLASS 5					
ST. APPR.	ADDR.	LOC.	TON		
	195TH AVE.		7		
	198TH AVE.		7		
	199TH AVE.		7		
	202ND LN.		7		
	MIN. MAINT. RD.		7		
	223RD AVE.		7		
	225TH AVE.		7		
AGG. DR.	HSE. # 19400	LT.	5		
	HSE. # 20024	LT.	5		
	HSE. # 20152	LT.	5		
	HSE. # 20342	LT.	5		
	HSE. # 20434	LT.	5		
	HSE. # 20466	LT.	5		
	HSE. # 20539	RT.	5		
	HSE. # 20539	RT.	5		
	HSE. # 20660	LT.	5		
	HSE. # 21052	LT.	5		
	HSE. # 21050	LT.	5		
	HSE. # 21224	LT.	5		
	HSE. # 21420	LT.	5		
	HSE. # 21544	LT.	5		
	HSE. # 21627	RT.	5		
	HSE. # 21637	RT.	5		
	HSE. # 21780/81	LT.	5		
	HSE. # 21856	LT.	5		
	HSE. # 22031	RT.	5		
	HSE. # 22150	LT.	5		
	HSE. # 22203	RT.	5		
	UNKNOWN		5		
	HSE. # 22450	LT.	5		
	HSE. # 22580	LT.	5		
	HSE. # 22616	LT.	5		
	NEW DELVP.	RT.	5		
	HSE. # 22754	LT.	5		
	HSE. # 22806	LT.	5		
	HSE. # 22858	LT.	5		
	HSE. # 22849	RT.	5		
	HSE. # 22905	RT.	5		
	( 21 @ 5 TON EACH )	LT./RT.	105		
				TONS = 309.0	

O. TEMPORARY LANE MARKING 4" SKIPS AT 50' INTERVALS							
STA.	STA.	LOC.	LENGTH	TAPE LENGTH	LIFTS	LIN. FT.	
1000	25162	C/L	24162	1933.0	1	1933.0	
						LIN. FT. = 1933.0	

P. PERMANENT STRIPING		LIN FT
4" SOLID LINE WHITE-EPOXY		49152
4" SOLID LINE YELLOW-EPOXY		7198
4" BROKEN LINE YELLOW-EPOXY		3300
4" DOUBLE SOLID LINE YELLOW-EPOXY		7059

Q. MAIL BOX SUPPORTS	50
----------------------	----

NO	DATE	BY	CKD	APPR	REVISION

NAME: T:\LIB\dwg\_template\Plan-Tab Sheet.dwg 03/25/2003 07:43:37 AM CST

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: MARK DALY

SIGNATURE: [Signature]

DATE: 4/23/2003 LICENSE NO. 21763

DRAWN BY: J.F. DATE: 4/1/03

DESIGN BY: G.A. DATE: 4/1/03

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



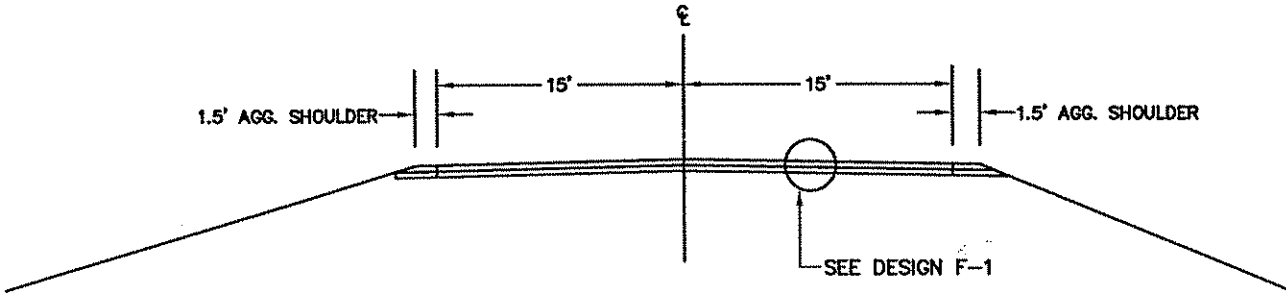
ANOKA COUNTY  
HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_  
STATE AID PROJECT NO. \_\_\_\_\_  
CITY PROJECT NO. \_\_\_\_\_  
COUNTY PROJECT NO. 03-12-09

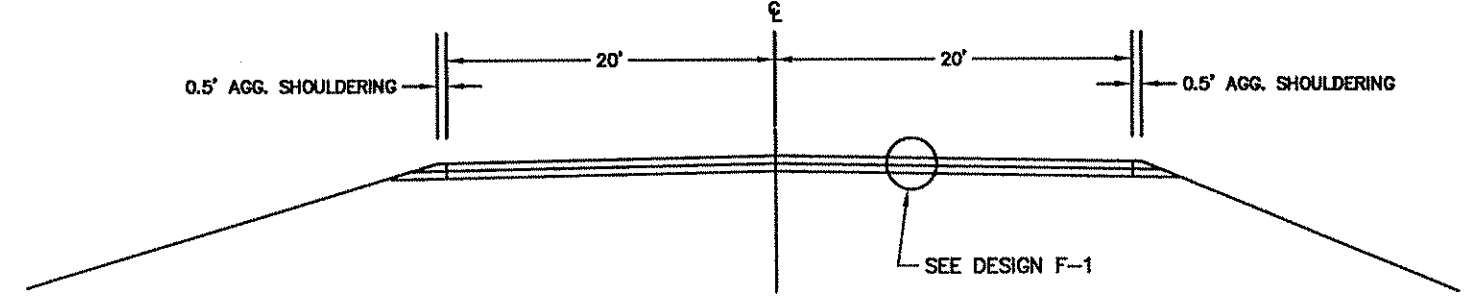
TABULATION CHARTS

Sheet 4 of 19 Sheets

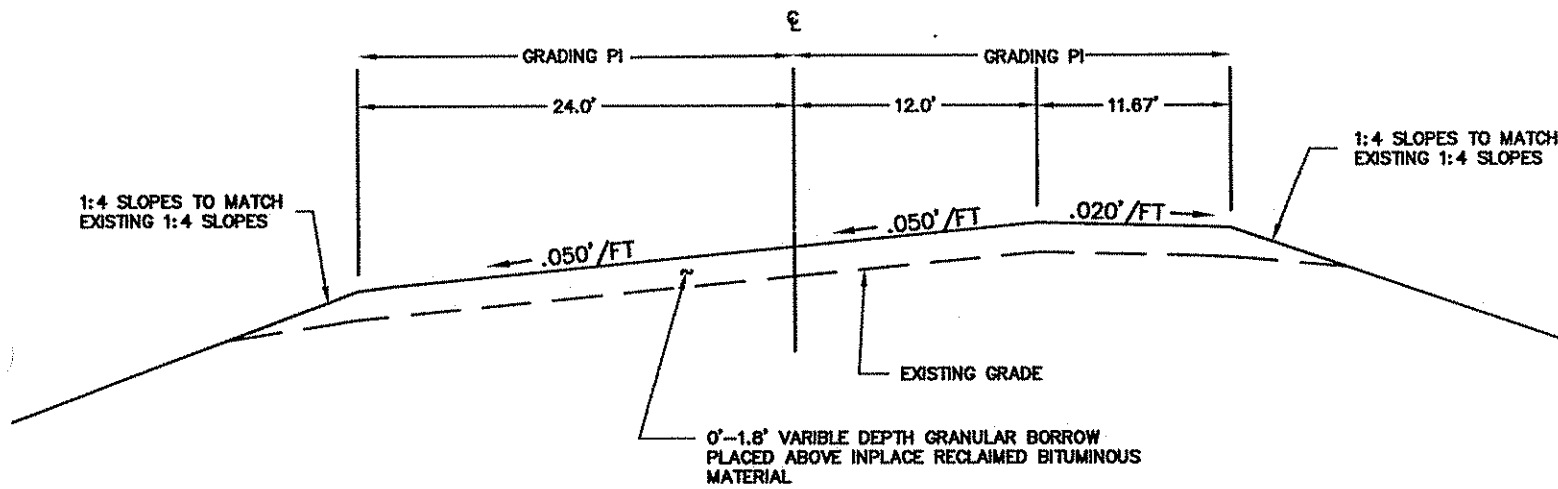
**OVERLAY SECTION**  
 STA. 10+00 - STA. 103+66  
 STA. 159+36 - STA. 251+62



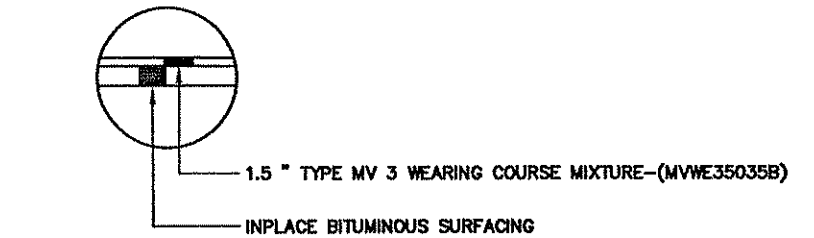
**OVERLAY SECTION**  
 STA. 103+66 - STA. 151+25  
 STA. 154+15 - STA. 159+36



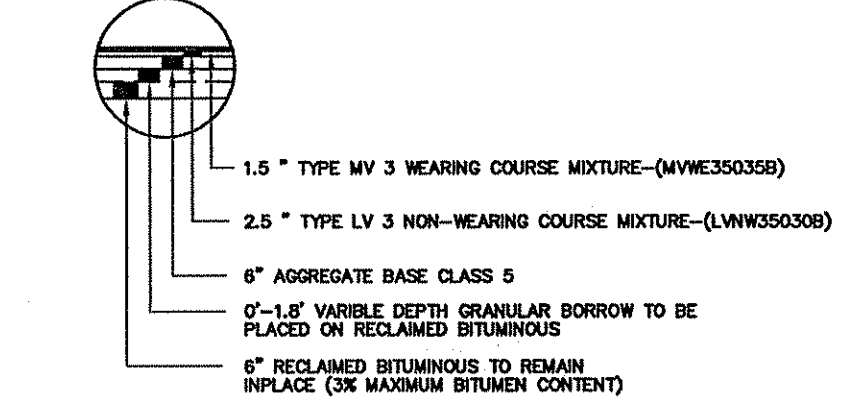
**GRADING SECTION**  
 STA. 151+25 - STA. 154+15



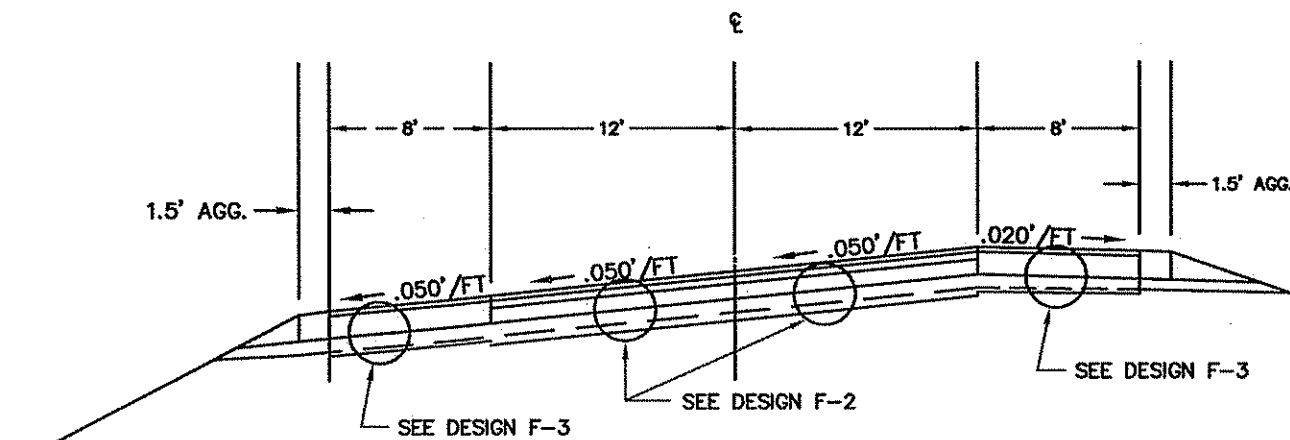
**DESIGN F-1**  
 STA. 10+00 - STA. 151+25  
 STA. 154+15 - STA. 251+62



**DESIGN F-2**  
 STA. 151+25 - STA. 154+15



**BASE & BITUMINOUS SECTION**  
 STA. 151+25 - STA. 154+15

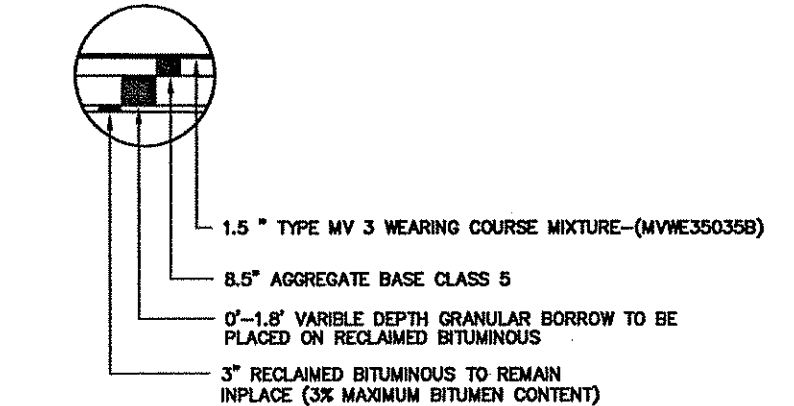


**RIGHT TURN LANE LOCATIONS**

STATION	NAME
109+11-113+91 RT	S. LAKE GEORGE BLVD.
146+46-151+26 RT	N. LAKE GEORGE BLVD.
154+25-159+05 RT	216TH AVE.
181+71-186+51 RT	LAKE GEORGE DR.
187+74-192+54 RT	221ST AVE.
246+75-251+55 RT	C.S.A.H. 24
107+56-112+36 LT	108TH LANE

NOTE: DESIGN F-1 SHALL BE USED FOR RIGHT TURN LANES

**DESIGN F-3**  
 STA. 151+25 - STA. 154+15



NO	DATE	BY	CHKD	APPR	REVISION

NAME: T:\LIB\Draw\_template\Plan-Tab\_Sheet.dwg 03/25/2003 07:43:37 AM CST

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: MARK DALY  
 SIGNATURE: *[Signature]*  
 DATE: 4/29/03 LICENSE NO. 21783

DRAWN BY: B.L. DATE: 4/29/03  
 DESIGN BY: G.A. DATE: 4/29/03  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

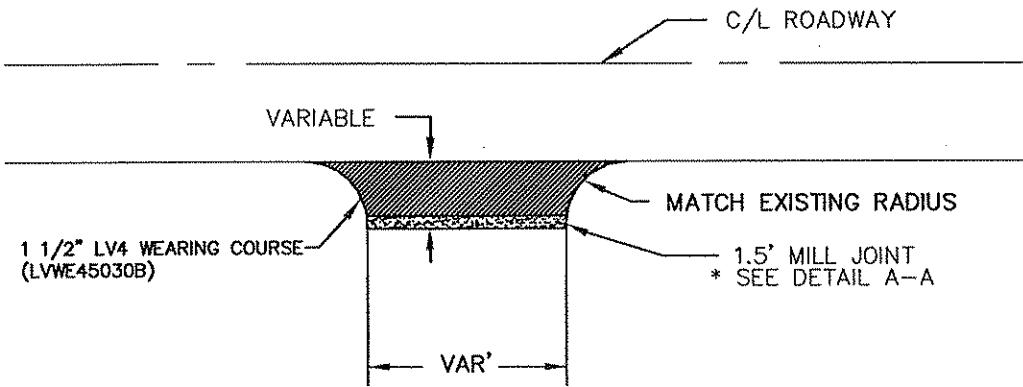


**ANOKA COUNTY**  
**HIGHWAY DEPT.**

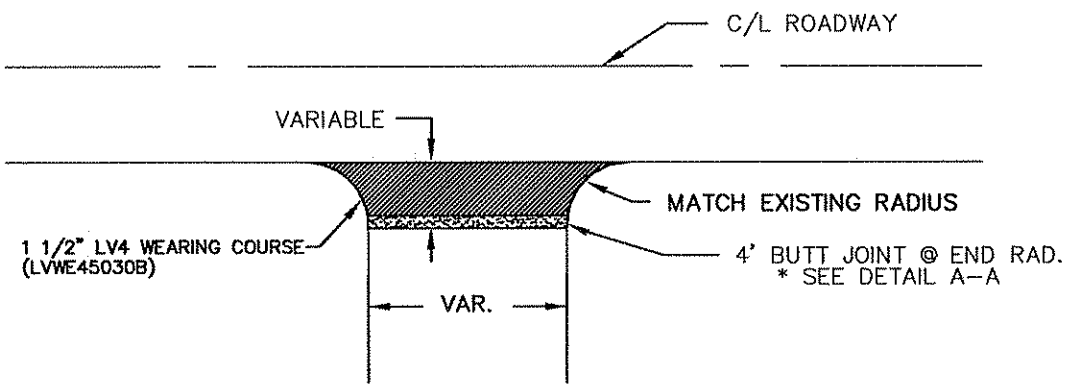
STATE PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 CITY PROJECT NO. \_\_\_\_\_  
 COUNTY PROJECT NO. 03-12-09

**TYPICAL SECTIONS**  
 STA. 10+00 - 251+62  
 Sheet 5 of 19 Sheets

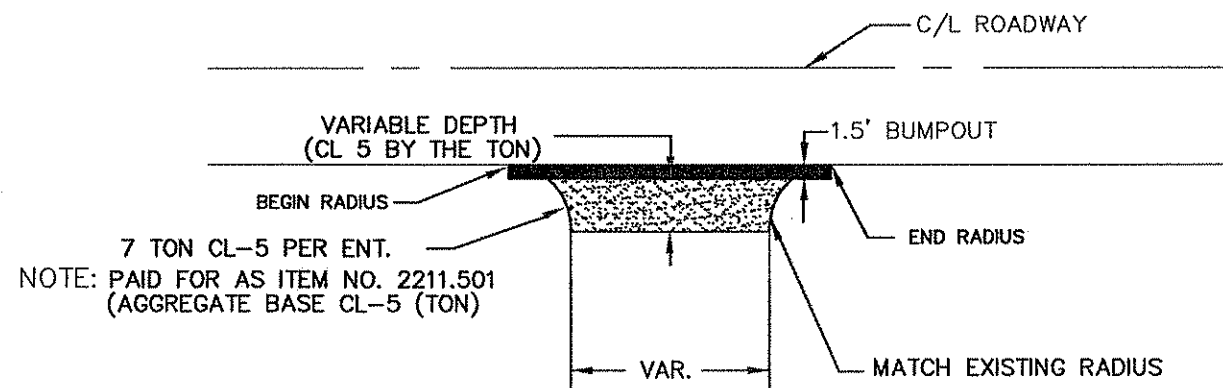
PAVED DRIVEWAYS



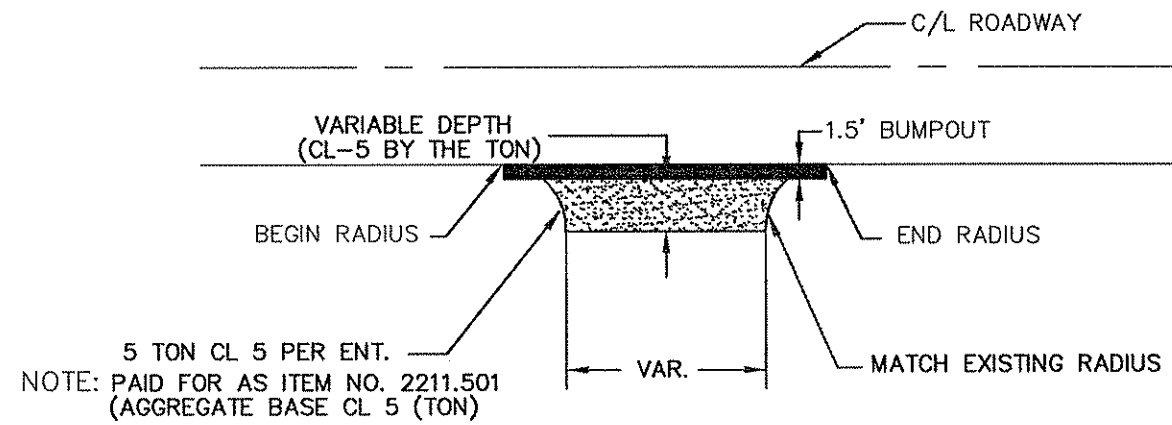
PAVED STREET APPROACHES



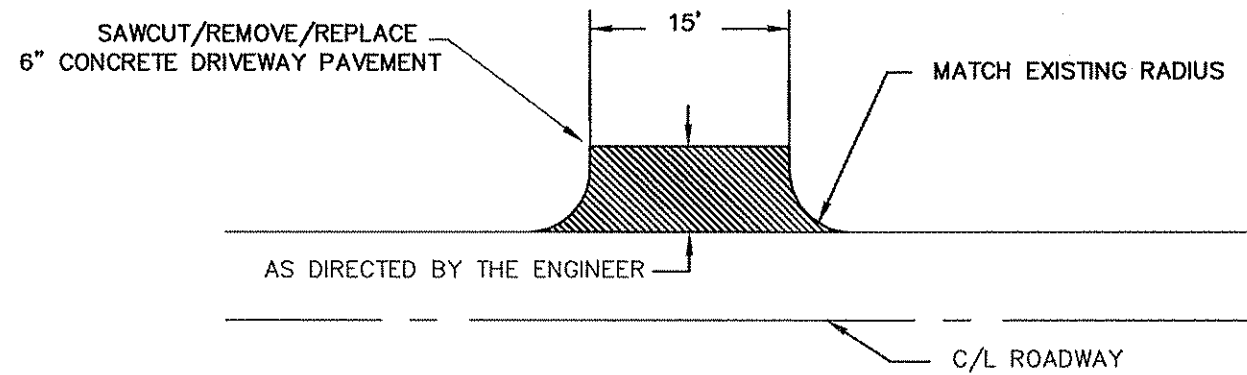
UNPAVED STREET APPROACHES



FIELD AND UNPAVED ENTRANCES



CONCRETE ENTRANCE HSE. # 22858



NO	DATE	BY	CHKD	APPR	REVISION

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: MARK DALY

SIGNATURE: *[Signature]*

DATE: 4/29/03 LICENSE NO. 21763

DRAWN BY: J.F. DATE: 4/29/03

DESIGN BY: G.A. DATE: 4/29/03

CHECKED BY: DATE: \_\_\_\_\_



ANOKA COUNTY  
HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_

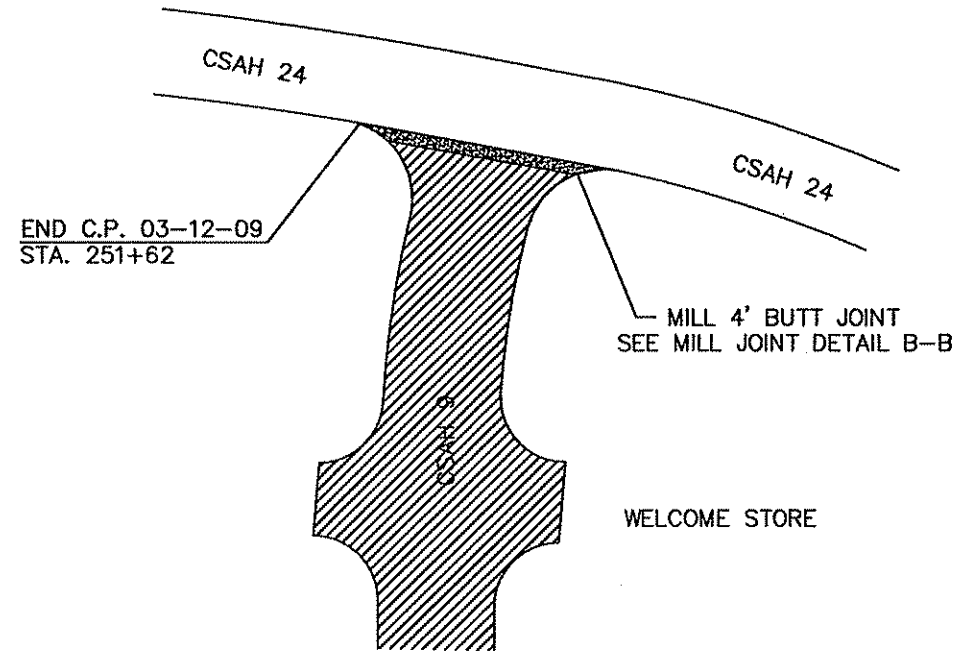
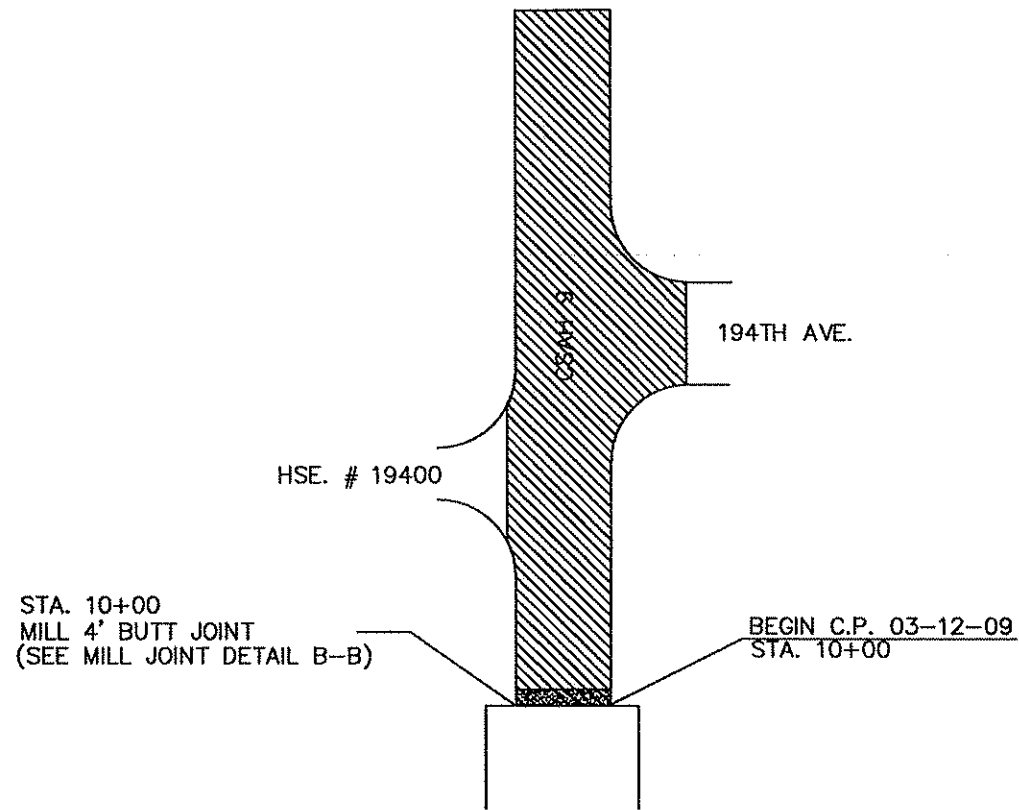
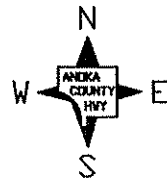
STATE AID PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

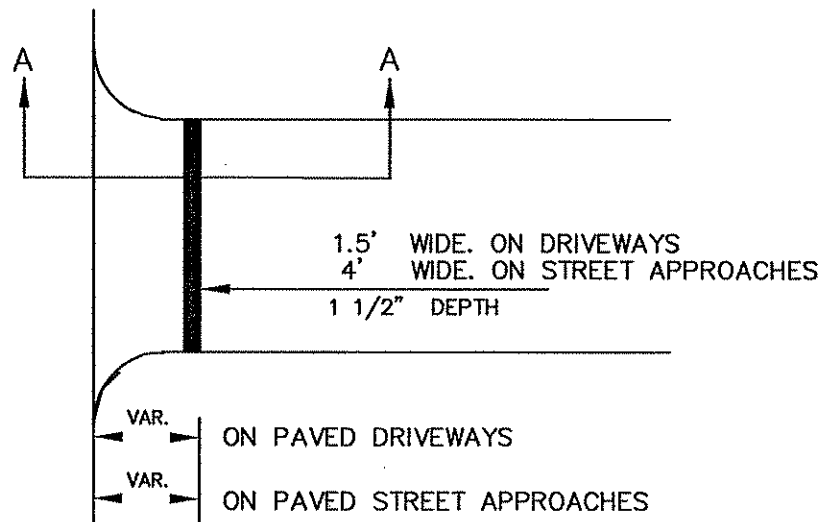
COUNTY PROJECT NO. 03-12-09

DETAILS

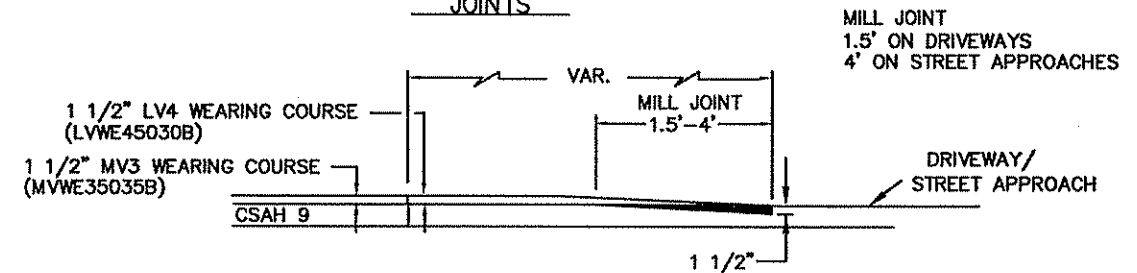
Sheet 6 of 19 Sheets



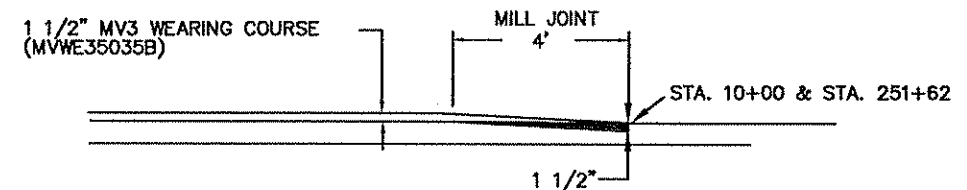
JOINT DETAILS A-A  
(DRIVEWAYS/STREET APPROACHES)



JOINT DETAILS A-A  
JOINTS



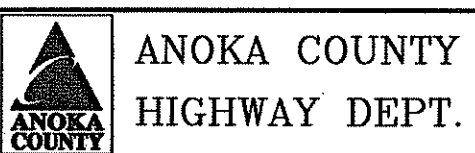
JOINT DETAILS B-B  
JOINTS @ STA. 10+00 & STA. 251+62



NO	DATE	BY	CHKD	APPR	REVISION

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: **MARK DALY**  
 SIGNATURE: *[Signature]*  
 DATE: **4/29/03** LICENSE NO. 21763

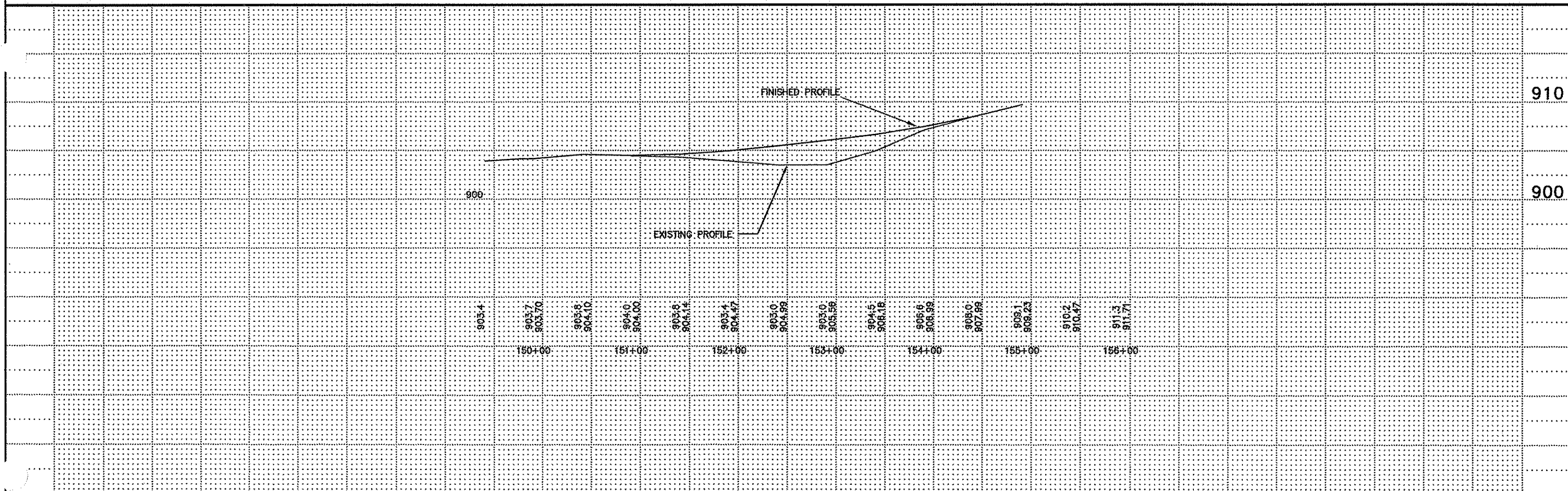
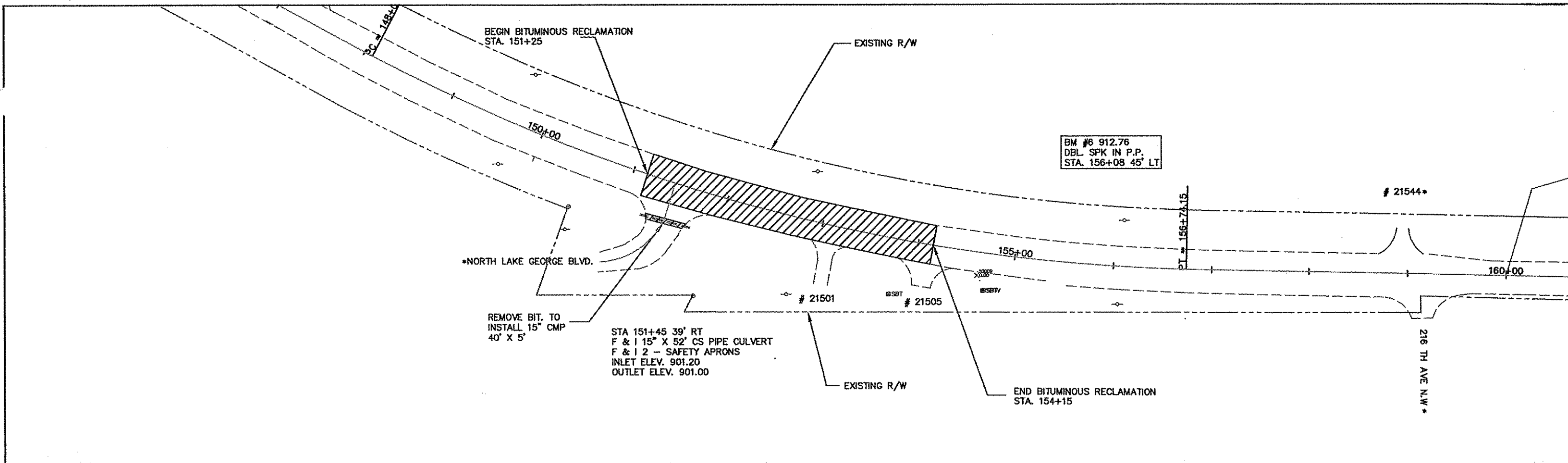
DRAWN BY: **J.E.** DATE: **4/29/03**  
 DESIGN BY: **G.A.** DATE: **4/29/03**  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



STATE PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 COUNTY PROJECT NO. **03-12-09**

DETAILS  
 Sheet **7** of **19** Sheets





NO	DATE	BY	CHKD	APPR	REVISION

NAME: T:\LIB\Draw\_template\Layout-Plan&Prof.dwg 03/25/2003 07:38:33 AM CST

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: MARK DALY

SIGNATURE: [Signature]


DATE: 4/23/2003 LICENSE NO. 21783

DRAWN BY: B.L. DATE: 4/1/03

DESIGN BY: G.A. DATE: 4/1/03

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**ANOKA COUNTY**  
HIGHWAY DEPT.



STATE PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

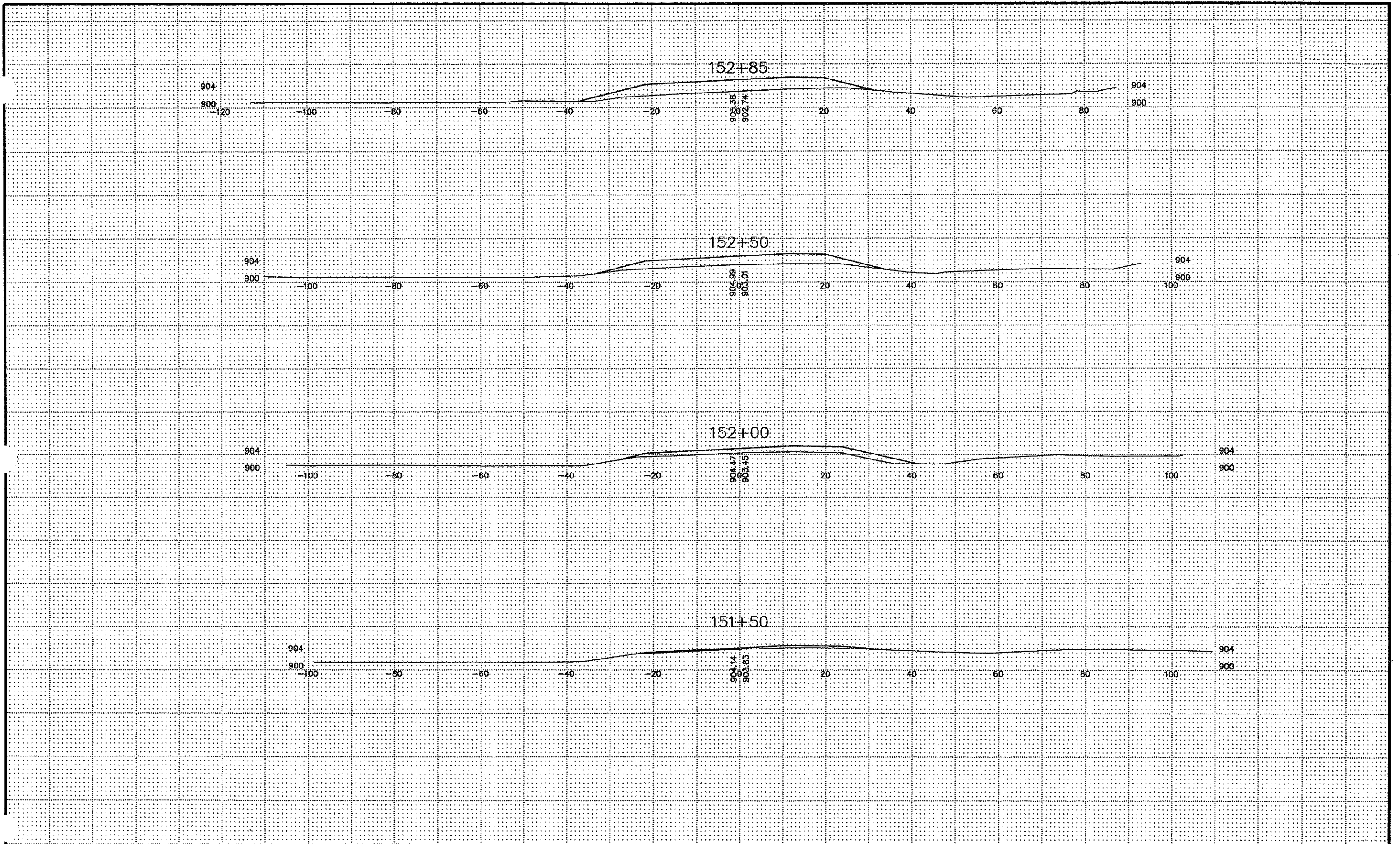
CITY PROJECT NO. \_\_\_\_\_

COUNTY PROJECT NO. 03-12-09

**PLAN AND PROFILE**  
STA 148+00 TO 160+00

Sheet 8 of 19 Sheets





NO	DATE	BY	CKD	APPR	REVISION

NAME: S:\SIS\PRO-A\000000\000000\028000.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: **MARK DALY**

SIGNATURE: *Mark Daly*

DATE: **4/23/2002** LICENSE NO. 21763

DRAWN BY: **B.L.** DATE **4/1/03**

DESIGN BY: **G.A.** DATE **4/1/03**

CHECKED BY: \_\_\_\_\_ DATE \_\_\_\_\_



**ANOKA COUNTY**  
**HIGHWAY DEPT.**

STATE PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

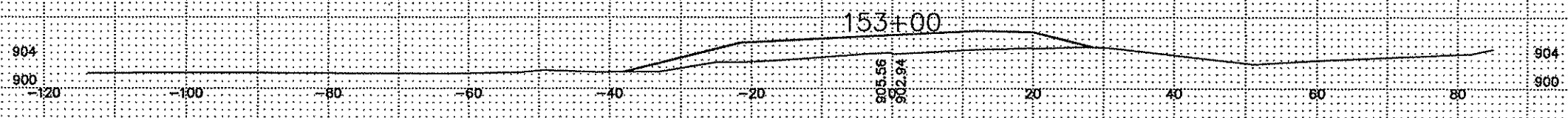
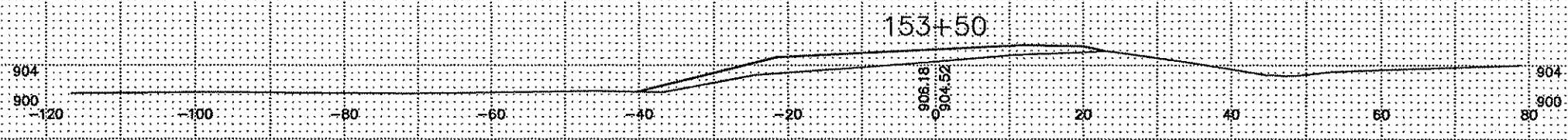
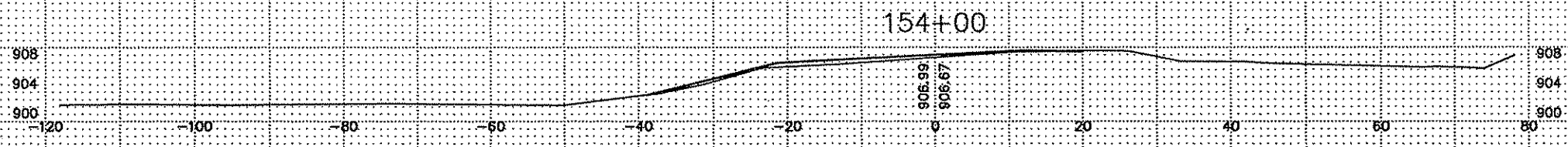
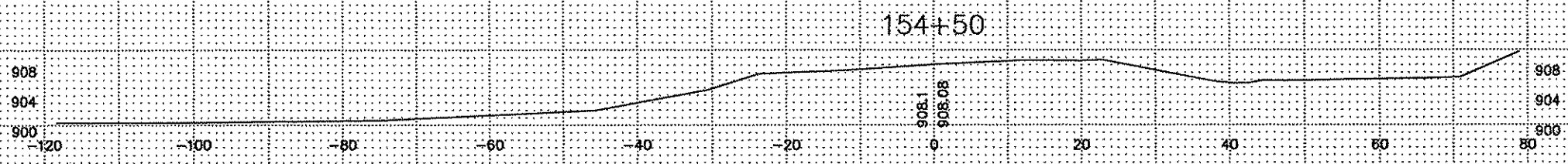
STATE AID PROJECT NO. \_\_\_\_\_

COUNTY PROJECT NO. **03-12-09**

**CROSS SECTIONS**

STA **151+50 TO 152+85**

Sheet **9** of **19** Sheets



NO	DATE	BY	CHKD	APPR	REVISION

NAME: S:\SDSKPRO\000000\000000\028000.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: MARK DALY

SIGNATURE: [Signature]

DATE: 4/23/09 LICENSE NO. 21763

DRAWN BY B.L. DATE 4/1/03

DESIGN BY G.A. DATE 4/1/03

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_



**ANOKA COUNTY**  
**HIGHWAY DEPT.**

STATE PROJECT NO. \_\_\_\_\_

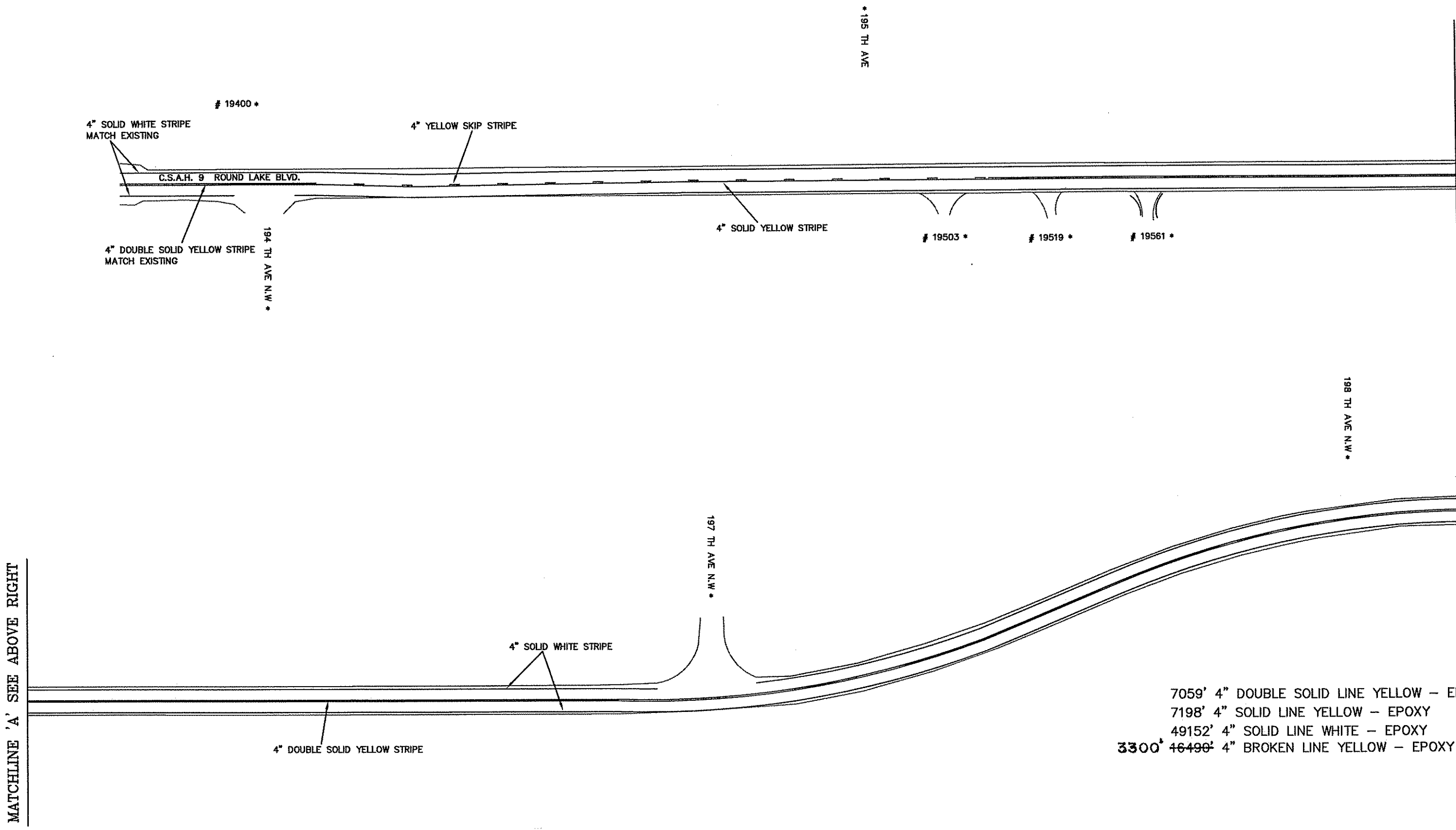
STATE AID PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

COUNTY PROJECT NO. 03-12-09

**CROSS SECTIONS**  
STA 153+00 TO 154+50

Sheet 10 of 19 Sheets



7059' 4" DOUBLE SOLID LINE YELLOW - EPOXY  
 7198' 4" SOLID LINE YELLOW - EPOXY  
 49152' 4" SOLID LINE WHITE - EPOXY  
 3300' 46490' 4" BROKEN LINE YELLOW - EPOXY

NO	DATE	BY	CKD	APPR	REVISION

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: MARK DALY  
 SIGNATURE: *Mark Daly*  
 DATE: 4/23/03 REG. NO. 21763

DRAWN BY: ST DATE: 04/16/03  
 DESIGN BY: DATE: \_\_\_\_\_  
 CHECKED BY: DATE: \_\_\_\_\_



ANOKA COUNTY  
 HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 COUNTY PROJECT NO. 03-12-09

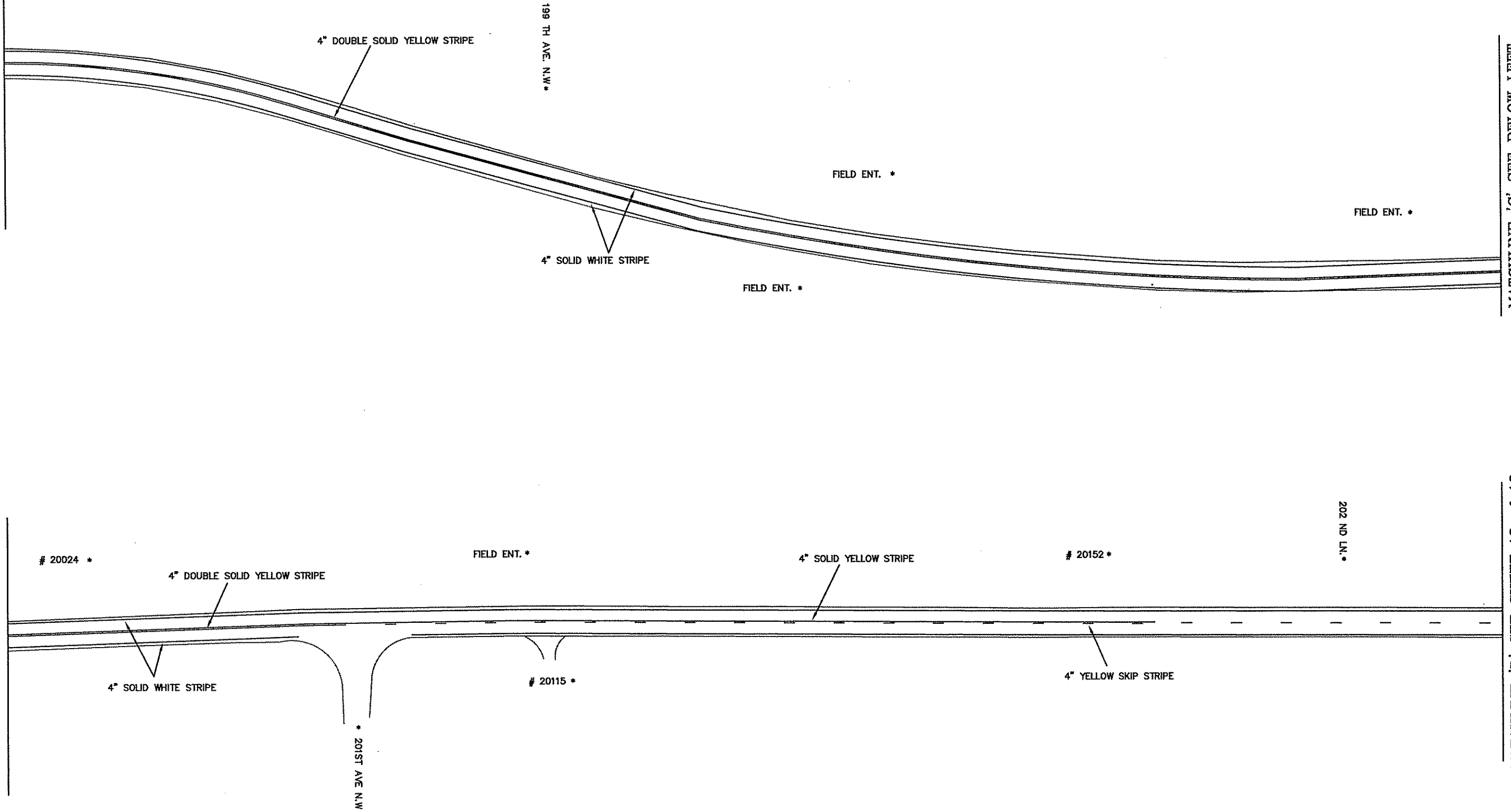
PERMANENT STRIPING  
 Sheet 11 of 19 Sheets

MATCHLINE 'B' SEE SHEET 11 of 19

MATCHLINE 'C' SEE BELOW LEFT

MATCHLINE 'C' SEE ABOVE RIGHT

MATCHLINE 'D' SEE SHEET 13 of 19



NO	DATE	BY	CHKD	APPR	REVISION

NAME: S:\SDSKPROJ\000000\000000\028000.DWG

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: MARK DALY

SIGNATURE: *[Signature]*

DATE: 4/23/2003 REG. NO. 21763

DRAWN BY: ST DATE: 04/16/03

DESIGN BY: DATE: \_\_\_\_\_

CHECKED BY: DATE: \_\_\_\_\_



ANOKA COUNTY  
HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

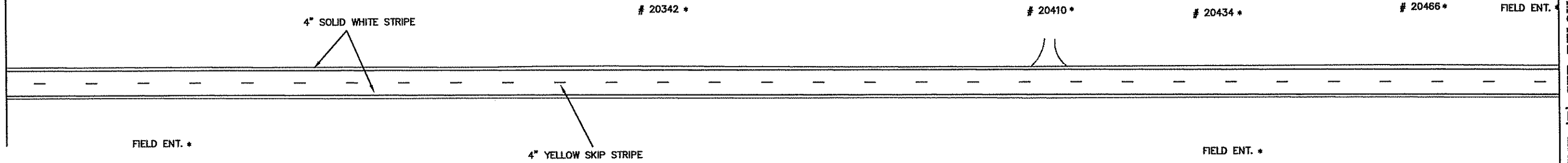
COUNTY PROJECT NO. 03-12-09

PERMANENT STRIPING

Sheet 12 of 19 Sheets

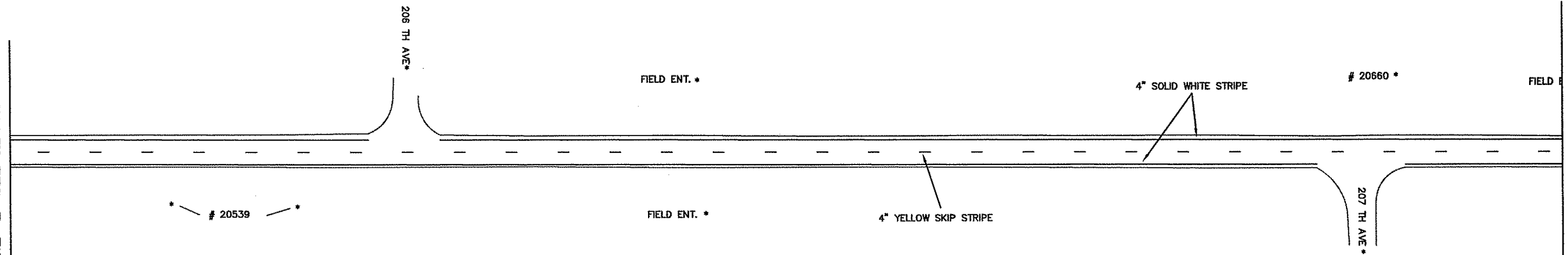
MATCHLINE 'D' SEE SHEET 12 of 19

MATCHLINE 'E' SEE BELOW LEFT



MATCHLINE 'E' SEE ABOVE RIGHT

MATCHLINE 'F' SEE SHEET 14 of 19



NO	DATE	BY	CHKD	APPR	REVISION

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: MARK DALY  
 SIGNATURE: [Signature]  
 DATE: 4/23/2003 REG. NO. 21763

DRAWN BY: ST DATE: 04/18/03  
 DESIGN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**ANOKA COUNTY**  
**HIGHWAY DEPT.**

STATE PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 COUNTY PROJECT NO. 03-12-09

**PERMANENT STRIPING**

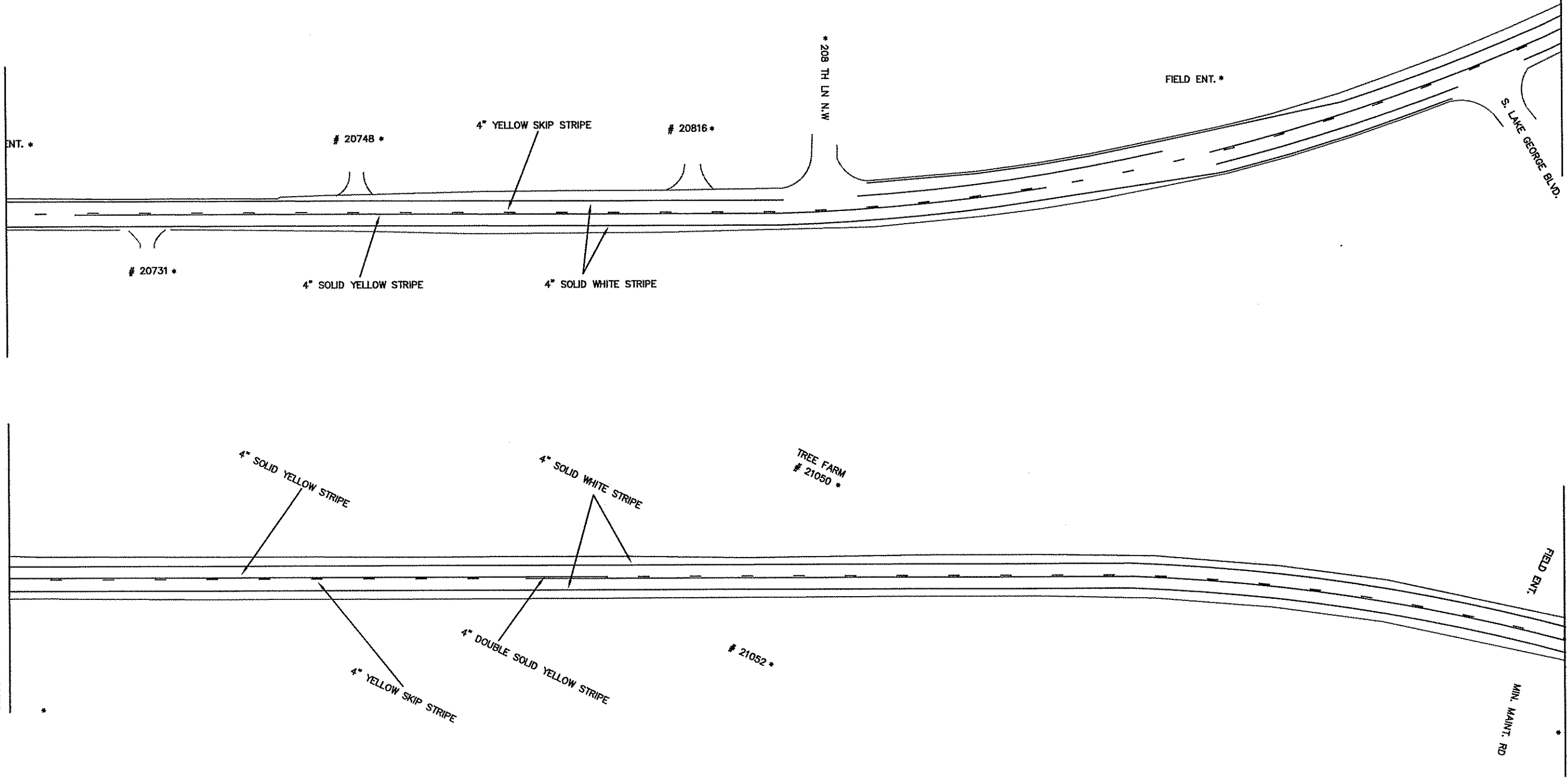
Sheet 13 of 19 Sheets

MATCHLINE 'F' SEE SHEET 13 of 19

MATCHLINE 'G' SEE ABOVE RIGHT

MATCHLINE 'G' SEE BELOW LEFT

MATCHLINE 'H' SEE SHEET 15 of 19



NO	DATE	BY	CKD	APPR	REVISION

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: MARK DALY

SIGNATURE: *Mark Daly*

DATE: 4/23/09 REG. NO. 21763

DRAWN BY: ST DATE: 04/18/03

DESIGN BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**ANOKA COUNTY**  
**HIGHWAY DEPT.**

STATE PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

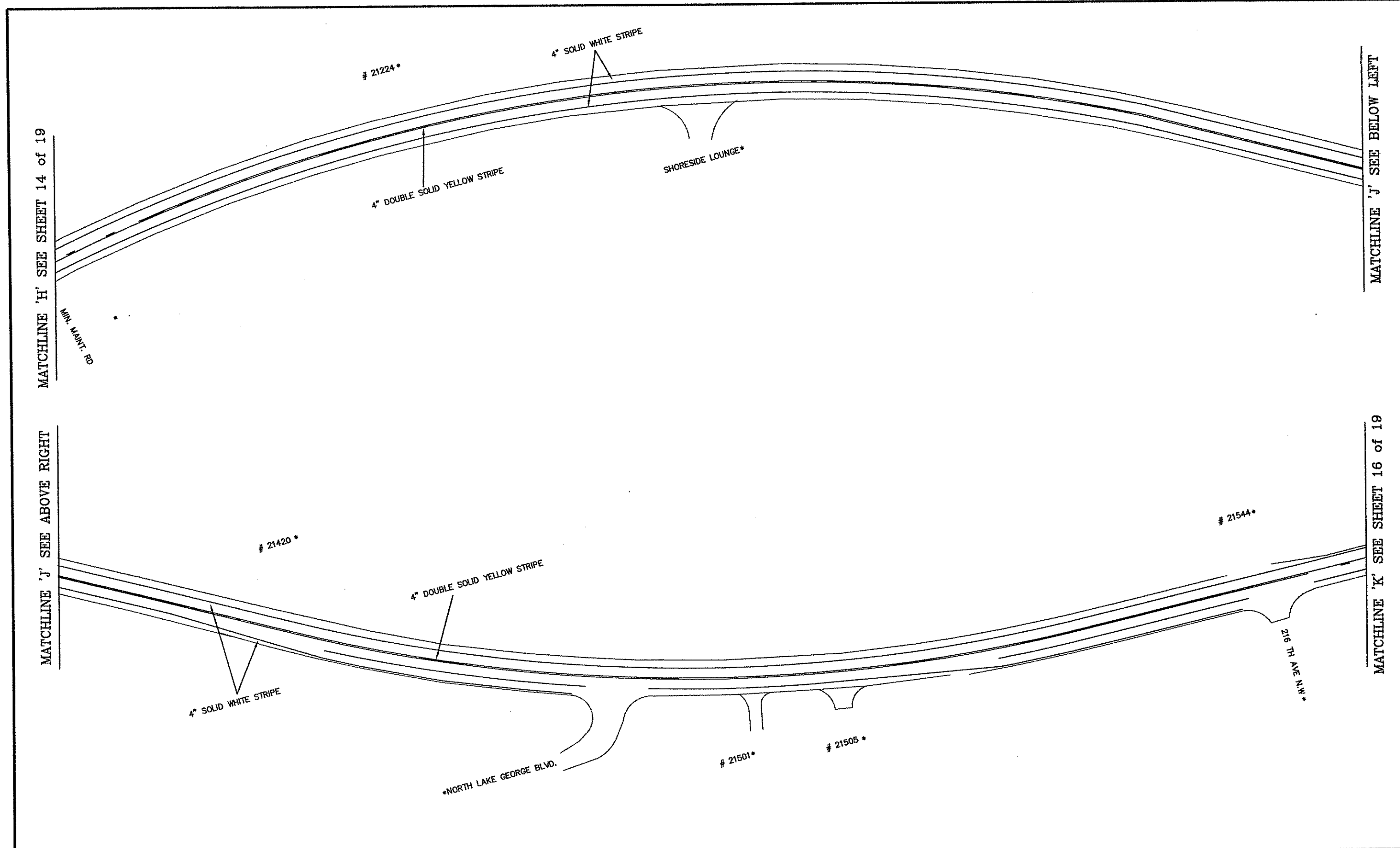
STATE AID PROJECT NO. \_\_\_\_\_

COUNTY PROJECT NO. 03-12-09

PERMANENT STRIPING

Sheet 14 of 19 Sheets





NO	DATE	BY	CHKD	APPR	REVISION

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: MARK DALY  
 SIGNATURE: *M. DALY*  
 DATE: 4/23/2003 REG. NO. 21763

DRAWN BY: ST DATE: 04/16/03  
 DESIGN BY: DATE: \_\_\_\_\_  
 CHECKED BY: DATE: \_\_\_\_\_



ANOKA COUNTY  
 HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 COUNTY PROJECT NO. 03-12-09

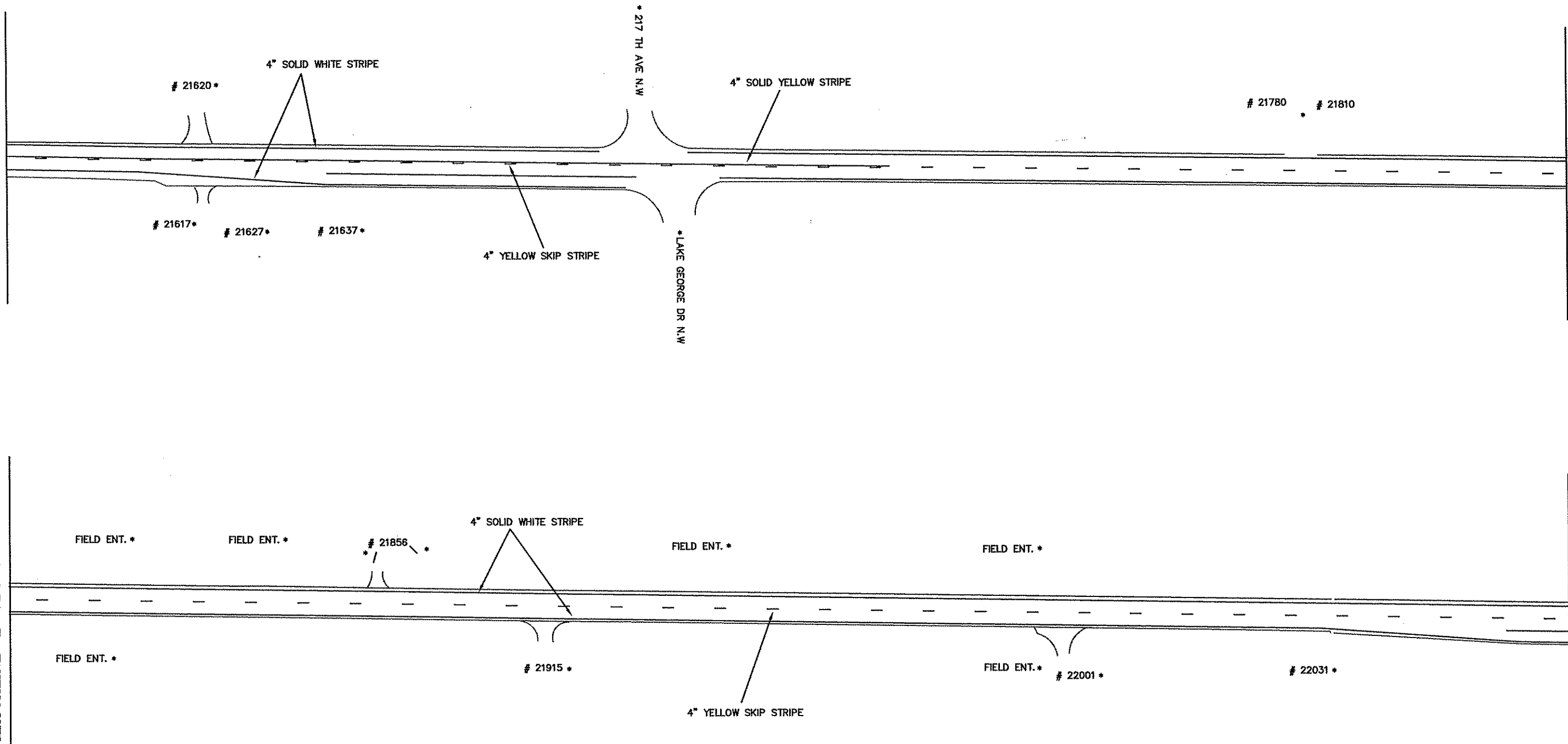
PERMANENT STRIPING  
 Sheet 15 of 19 Sheets

MATCHLINE 'K' SEE SHEET 15 of 19

MATCHLINE 'L' SEE BELOW LEFT

MATCHLINE 'L' SEE ABOVE RIGHT

MATCHLINE 'M' SEE SHEET 17 of 19



NO	DATE	BY	CKD	APPR	REVISION

NAME: S:\SDSIGN\PROJ\000000\000000\026000.DWG

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: MARK DALY  
 SIGNATURE: *[Signature]*  
 DATE: 4/23/03 REG. NO. 21763

DRAWN BY: ST DATE 04/18/03  
 DESIGN BY: DATE  
 CHECKED BY: DATE



ANOKA COUNTY  
 HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 STATE AID PROJECT NO. \_\_\_\_\_  
 COUNTY PROJECT NO. 02-12-09

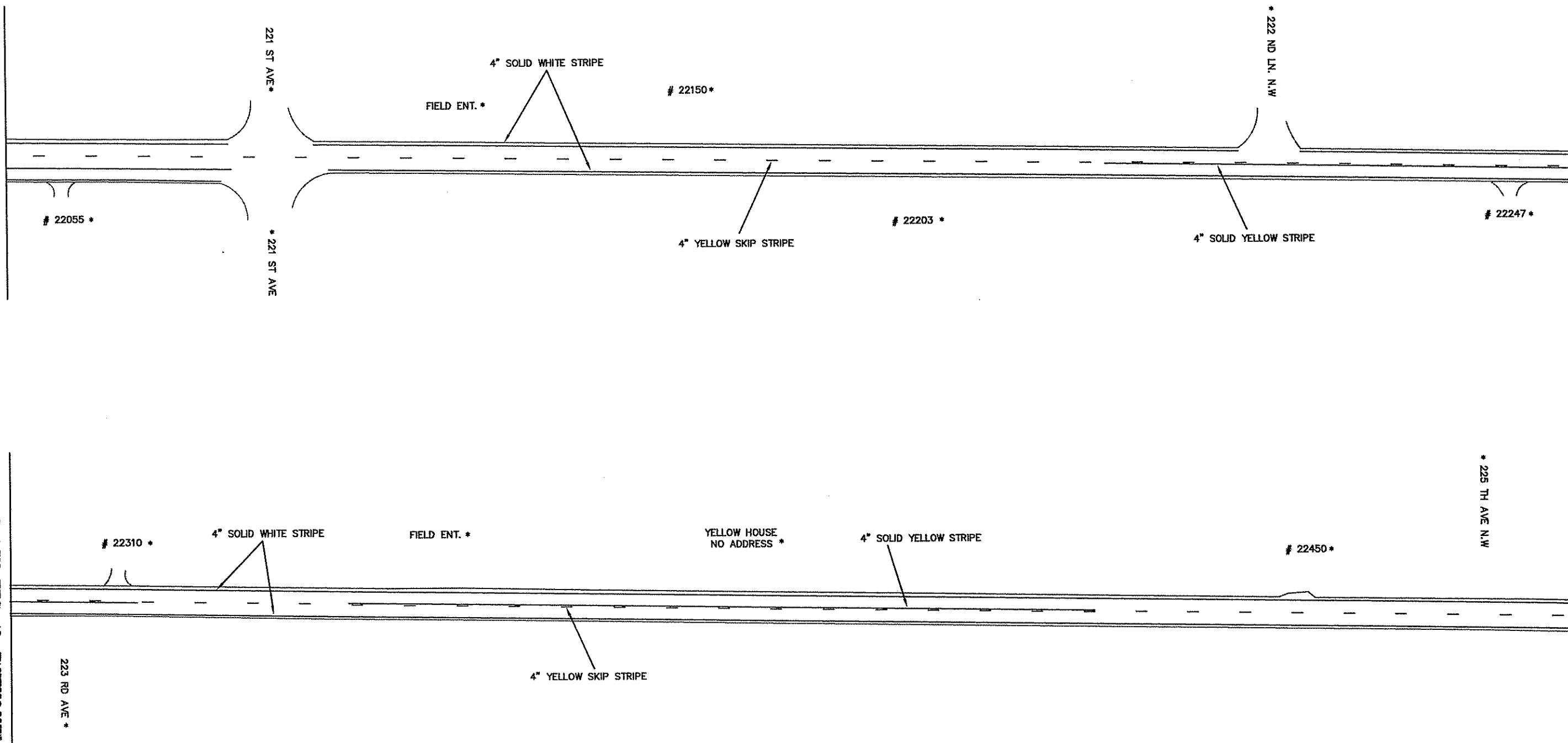
PERMANENT STRIPING  
 Sheet 16 of 19 Sheets

MATCHLINE 'M' SEE SHEET 16 OF 19

MATCHLINE 'N' SEE BELOW LEFT

MATCHLINE 'N' SEE ABOVE RIGHT

MATCHLINE 'O' SEE SHEET 18 OF 19



NO	DATE	BY	CKD	APPR	REVISION

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: MARK DALY

SIGNATURE: *M. DALY*

DATE: 4/23/03 REG. NO. 21763

DRAWN BY: ST DATE: 04/16/03

DESIGN BY: DATE: \_\_\_\_\_

CHECKED BY: DATE: \_\_\_\_\_



ANOKA COUNTY  
HIGHWAY DEPT.

STATE PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

COUNTY PROJECT NO. 03-12-09

PERMANENT STRIPING

Sheet 17 of 19 Sheets

MATCHLINE 'O' SEE SHEET 17 of 19

MATCHLINE 'P' SEE BELOW LEFT

4" YELLOW SKIP STRIPE

# 22580 \*

# 22616 \*

FIELD

4" SOLID WHITE STRIPE

ENT. TO NEW HOUSING DEVL. \*

MATCHLINE 'P' SEE ABOVE RIGHT

MATCHLINE 'R' SEE SHEET 19 of 19

ENT. \*

# 22754 \*

# 22806 \*

# 22858

STORE ENT. \*

4" SOLID WHITE STRIPE

4" YELLOW SKIP STRIPE

# 22839 \*

# 22849 \* # 22905 \*

4" SOLID YELLOW STRIPE

# 22945 \*  
WELCOME STORE

NO	DATE	BY	CKD	APPR	REVISION

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: MARK DALY

SIGNATURE: [Signature]

DATE: 4/23/03 REG. NO. 21763

DRAWN BY: ST DATE 04/16/03

DESIGN BY: \_\_\_\_\_ DATE \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ DATE \_\_\_\_\_



**ANOKA COUNTY**  
**HIGHWAY DEPT.**

STATE PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

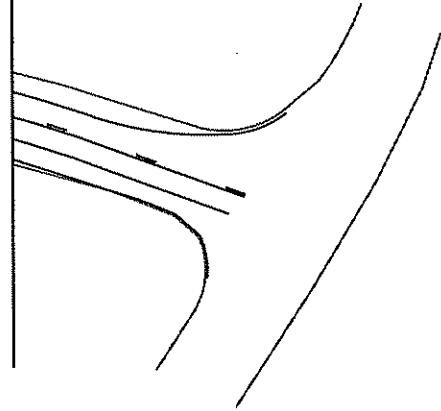
STATE AID PROJECT NO. \_\_\_\_\_

COUNTY PROJECT NO. 03-12-09

**PERMANENT STRIPING**

Sheet 18 of 19 Sheets

MATCHLINE 'R' SEE SHEET 18 OF 19



NO	DATE	BY	CHKD	APPR	REVISION

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: MARK DALY

SIGNATURE: *Mark Daly*

DATE: 7/23/09 REG. NO. 21763

DRAWN BY: ST DATE: 04/16/03

DESIGN BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**ANOKA COUNTY**  
**HIGHWAY DEPT.**

STATE PROJECT NO. \_\_\_\_\_

STATE AID PROJECT NO. \_\_\_\_\_

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COUNTY PROJECT NO. 03-12-09

**PERMANENT STRIPING**

Sheet 19 of 19 Sheets