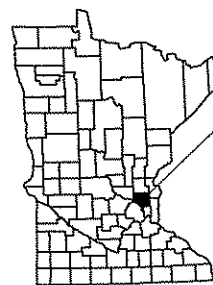
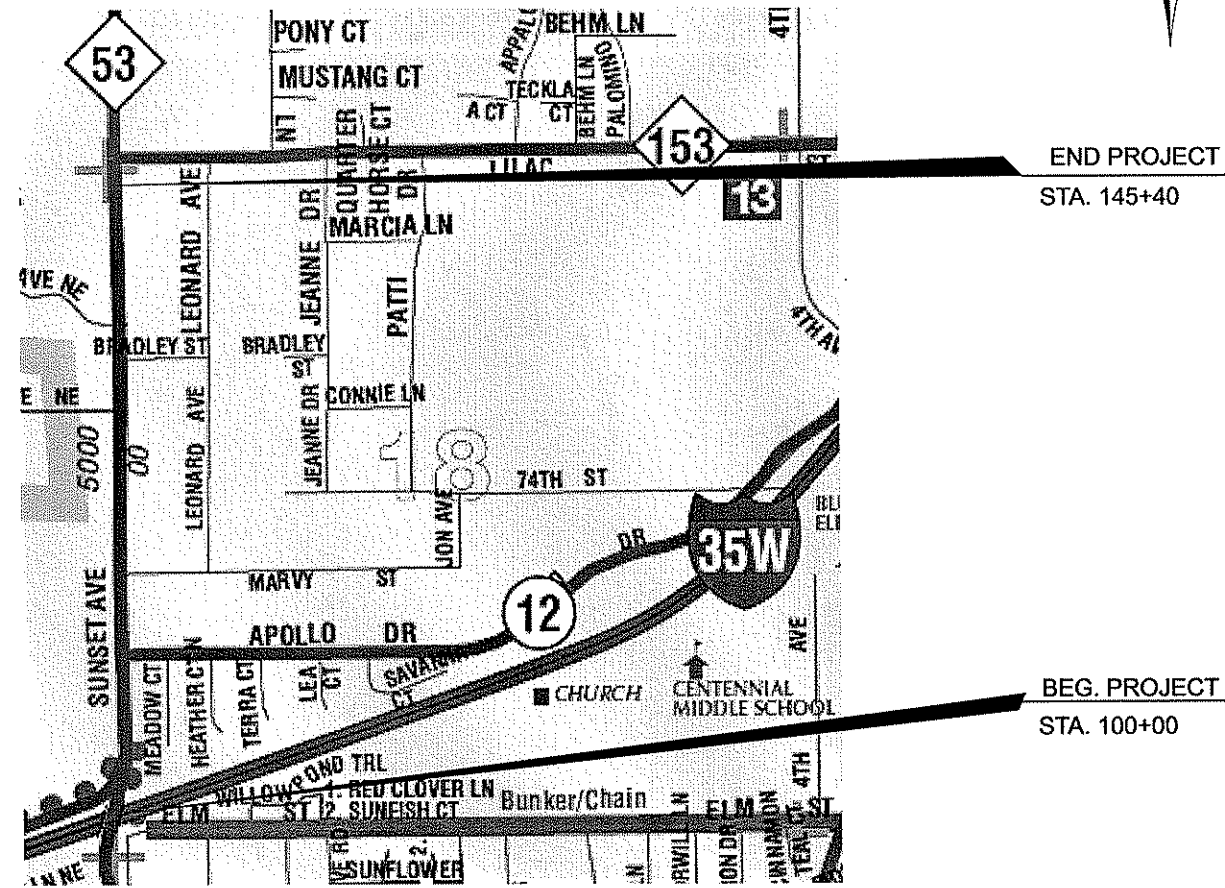


MINNESOTA DEPARTMENT OF TRANSPORTATION ANOKA COUNTY

CONSTRUCTION PLAN FOR 2" BITUMINOUS OVERLAY, AGGREGATE SHOULDERING
LOCATED ON C.R. 53 BETWEEN 35W BRIDGE AND C.R.153

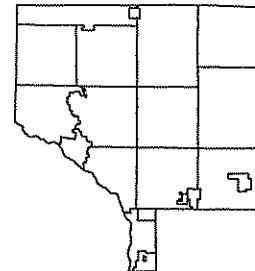
COUNTY PROJ. NO. 09-13-53
COUNTY ROAD 53

GROSS LENGTH	4540 FEET	0.86 MILES
BRIDGES-LENGTH	0 FEET	0 MILES
EXCEPTIONS-LENGTH	0 FEET	0 MILES
NET LENGTH	4540 FEET	0.86 MILES



PROJECT LOCATION

CITY OF BLAINE
MN/DOT TRANSPORTATION DISTRICT - METRO
SECTION 12,13 &24
TOWNSHIP 31 NORTH
RANGE 23 WEST



STATEMENT OF ESTIMATED QUANTITIES

09-13-53

ITEM NO.	ITEM	NOTE NO.	UNIT	TOTAL EST. QUANT.
2021.501	MOBILIZATION		LUMP SUM	1
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPT)	1	LIN FT	215
2104.604	REMOVE CONCRETE DRIVEWAY PAVEMENT	1	SQ YD	143
2118.501	AGGREGATE SURFACING CLASS 5	3	TON	80
2221.609	AGGREGATE SHOULDERING CLASS 7B	3	TON	163
2232.604	MILL BITUMINOUS SURFACE (2") (JOINTS)	2	SQ YD	144
2357.502	BITUMINOUS MATERIAL FOR TACK COAT		GALLON	702
2360.609	TYPE MV3 WEAR (2" MVWE35035 B) MAINLINE WEAR		TON	1493
2360.609	TYPE MV3 WEAR (2" MVWE35035 B) STREET APPROACH WEAR		TON	122
2531.507	6" CONCRETE DRIVEWAY PAVEMENT	1	SQ YD	143
2540.602	INSTALL MAIL BOX SUPPORT		EACH	28
2563.601	TRAFFIC CONTROL		LUMP SUM	1
2564.603	4" SOLID LINE WHITE - EPOXY		LIN FT	8743
2564.603	4" SOLID LINE YELLOW - EPOXY		LIN FT	1412
2564.603	4" DOUBLE SOLID LINE YELLOW - EPOXY		LIN FT	454
2564.603	4" BROKEN LINE YELLOW-EPOXY		LIN FT	810
2580.603	REMOVABLE LANE TAPE		LIN FT	363

NOTES

- 1 DRIVEWAYS WILL BE MARKED BY ENGINEER FOR REMOVAL AND REGRADED TO MATCH NEW HEIGHT OF ROAD
- 2 IF C.S.A.H. 12 IS NOT PART OF THE OVERLAY PROGRAM THEN THE MILL JOINT AT C.S.A.H. 12 WILL BE USED
- 3 TRUCKING, PLACEMENT AND COMPACTION INCIDENTAL TO ITEM.

BASIS OF PLANNED QUANTITIES

2221.609	AGGREGATE SHOULDERING CLASS 7B	CU YDS * 1.8 = TONS
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	.05 GAL / SQ YD
2360.609	TYPE MV3 WEAR MIXTURE (MVWE35035 B)	115 LBS/SQYD/IN THICKNESS
2580.603	REMOVABLE LANE TAPE	4' AT 50' INTERVALS FOR SKIPS

PLAN SET

Sheet	
1	TITLE / SEQ
2-3	PLAN
4	TYPICALS
5-6	DETAILS
7-8	PAVEMENT MARKINGS

NO	DATE	BY	CKD	APPR	REVISION

NAME: P:\09-01-00\CSAH_53\PLAN\OVERLAY_TEMPLAT_COVERG.53B\2009 7:38:53 AM

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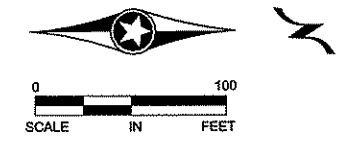
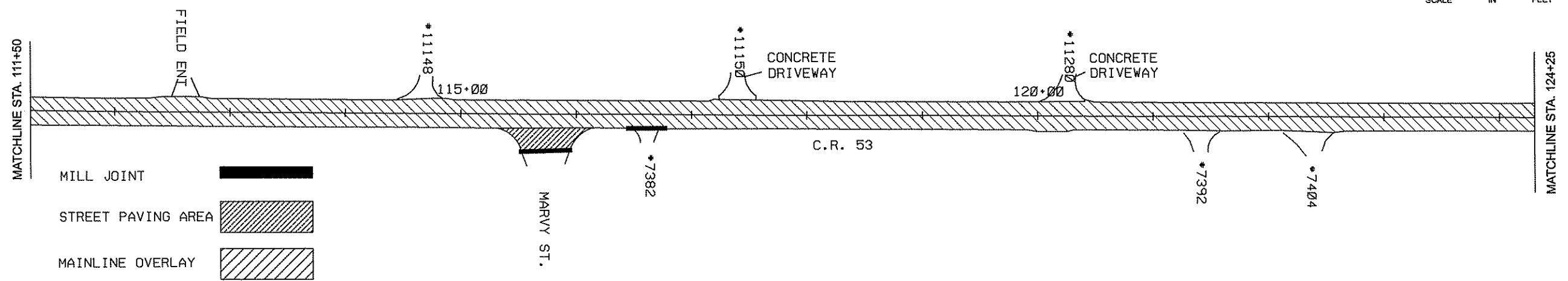
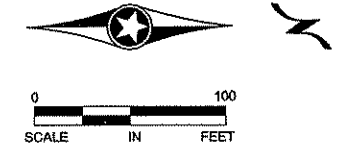
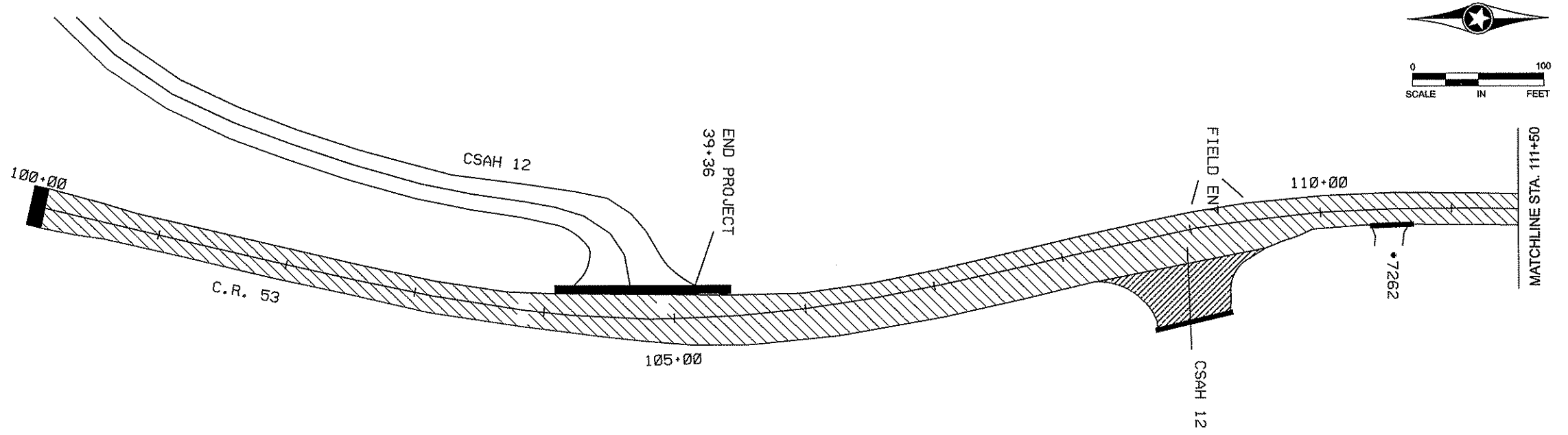
PRINT NAME: Charles Cadenhead
SIGNATURE: *Charles Cadenhead*
DATE: 7/23/09 LICENSE NO. 40418

DRAWN BY: JF DATE: 2/5/08
DESIGN BY: JF DATE: 2/5/09
CHECKED BY: DATE: _____

ANOKA COUNTY
HIGHWAY DEPT.

STATE PROJECT NO. _____
STATE PROJECT NO. _____
STATE PROJECT NO. _____
STATE PROJECT NO. 09-13-53

TITLE / SEQ _____
Sheet 1 of 8 Sheets



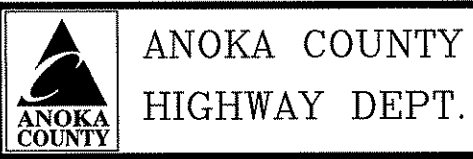
- MILL JOINT
- STREET PAVING AREA
- MAINLINE OVERLAY

NO	DATE	BY	CKD	APPR	REVISION	
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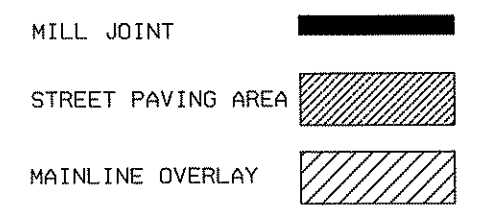
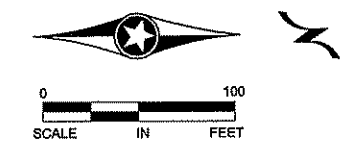
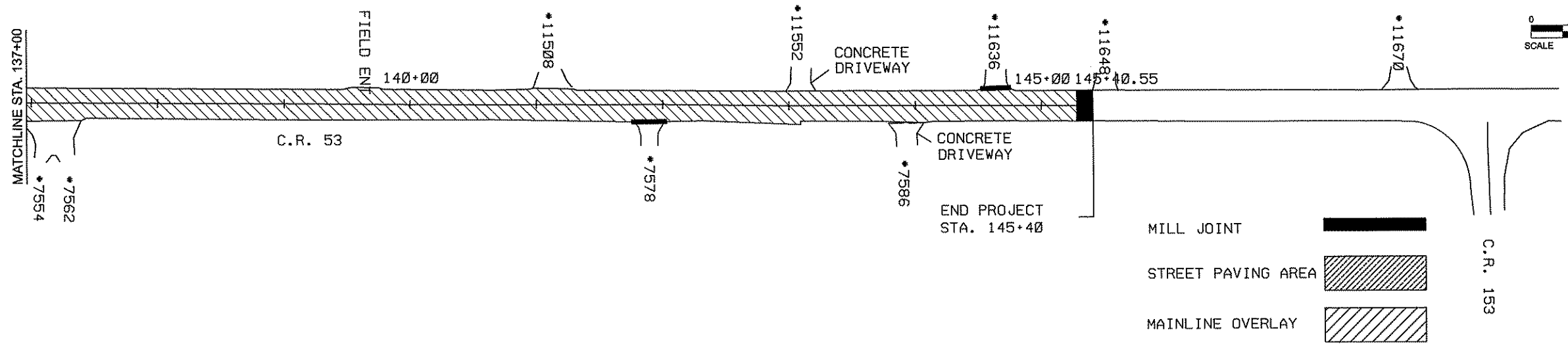
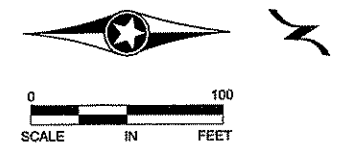
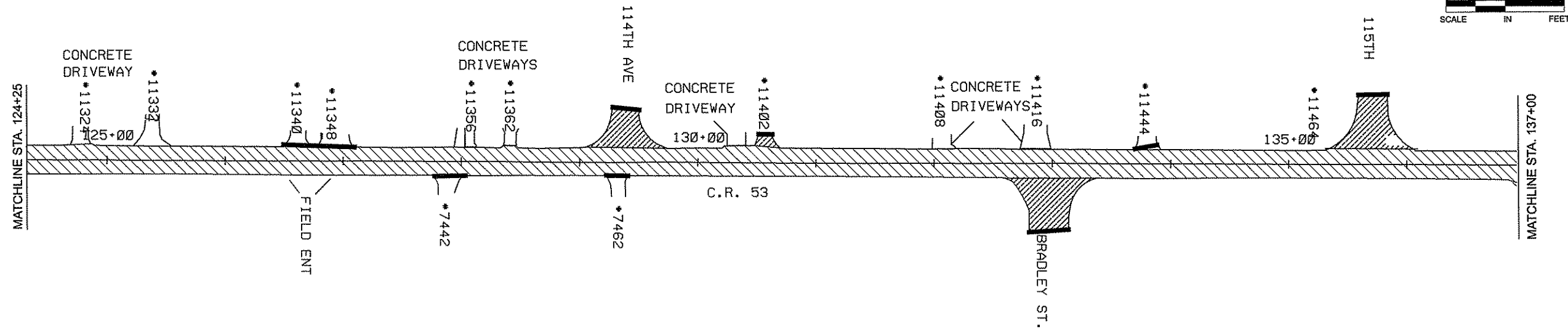
PRINT NAME: Charles Cadenhead
 SIGNATURE: *Charles Cadenhead*
 DATE: 3/23/09 LICENSE NO. 40416

DRAWN BY JF DATE 2/5/09
 DESIGN BY JF DATE 2/5/09
 CHECKED BY _____ DATE _____



STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 09-13-53

PLAN
 STA 10+00 TO 124+25
 Sheet 2 of 8 Sheets



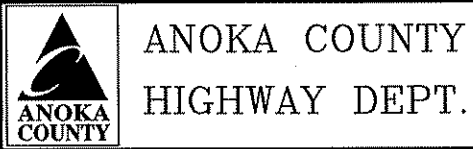
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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: Charles Cadenhead
 SIGNATURE: *[Signature]*
 DATE: 3/23/09 LICENSE NO. 40418

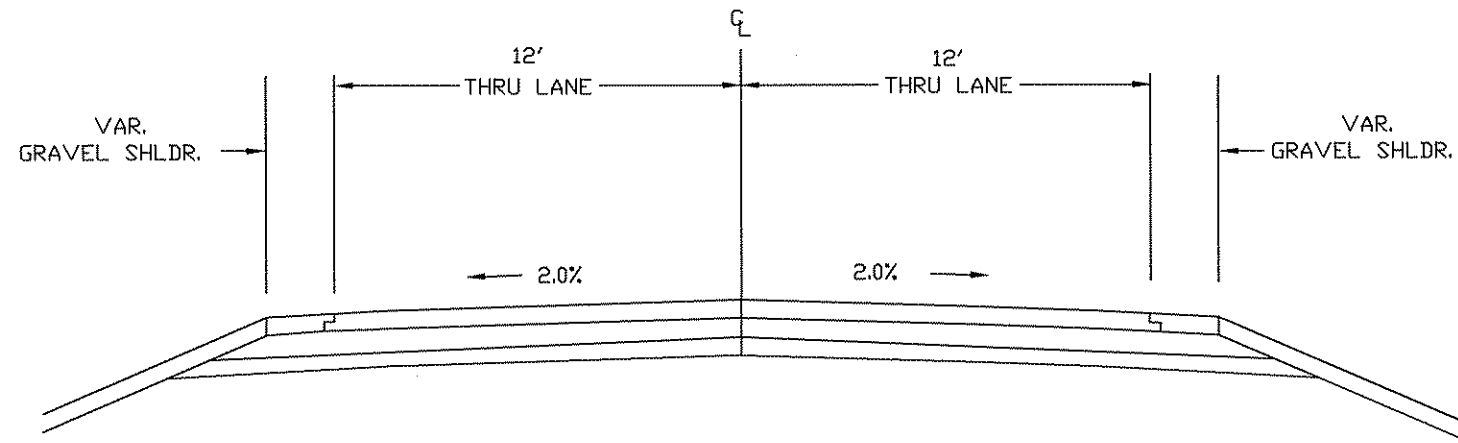
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 DESIGN BY JF DATE 2/5/09
 CHECKED BY DATE



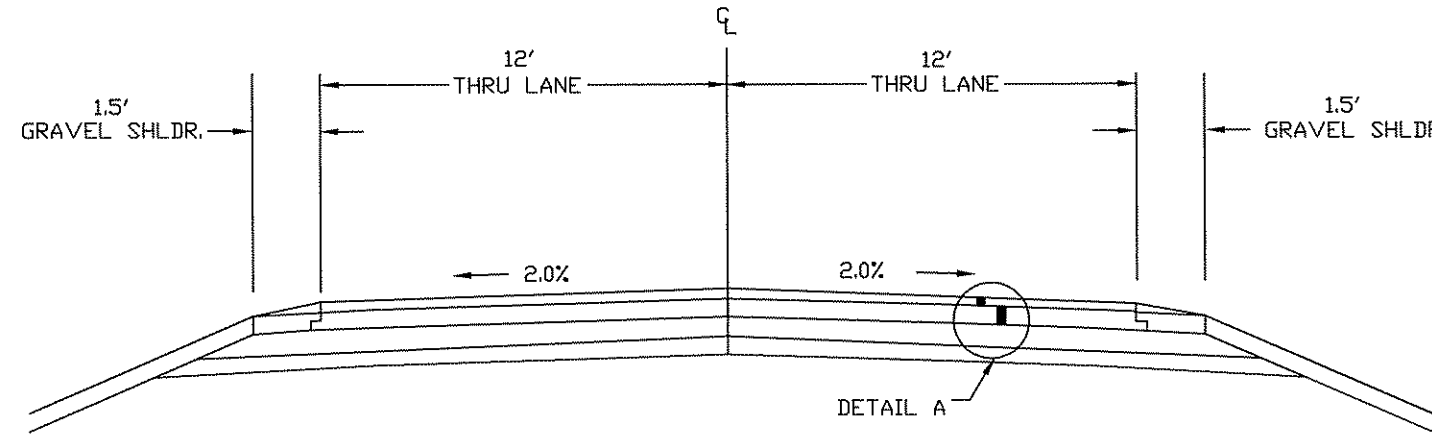
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 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 09-13-53

PLAN
 STA 124+25 TO 145+40
 Sheet 3 of 8 Sheets

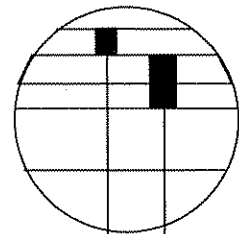
EXISTING STANDARD SECTION



PROPOSED SECTION



DETAIL A



2" TYPE MV3 WEAR (MVWE35035 B)
EXISTING BITUMINOUS

NO	DATE	BY	CKD	APPR	REVISION

NAME: P:\09-01-00\CSAH_53\Plan\OVERLAY TEMPLT TYP DETAILS.dgn 02/05/2009 11:37:33 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: Charles Cadenhead
SIGNATURE: *Charles Cadenhead*
DATE: 3/23/09 LICENSE NO. 40416

DRAWN BY: JF DATE: 2/5/09
DESIGN BY: JF DATE: 2/5/09
CHECKED BY: _____ DATE: _____



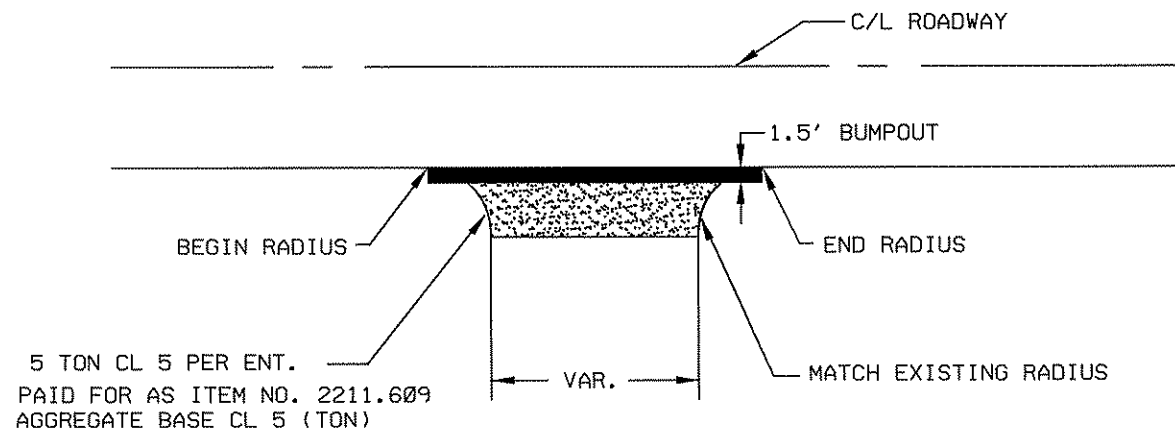
ANOKA COUNTY
HIGHWAY DEPT.

STATE PROJECT NO. _____
STATE AID PROJECT NO. _____
CITY PROJECT NO. _____
COUNTY PROJECT NO. 09-13-53

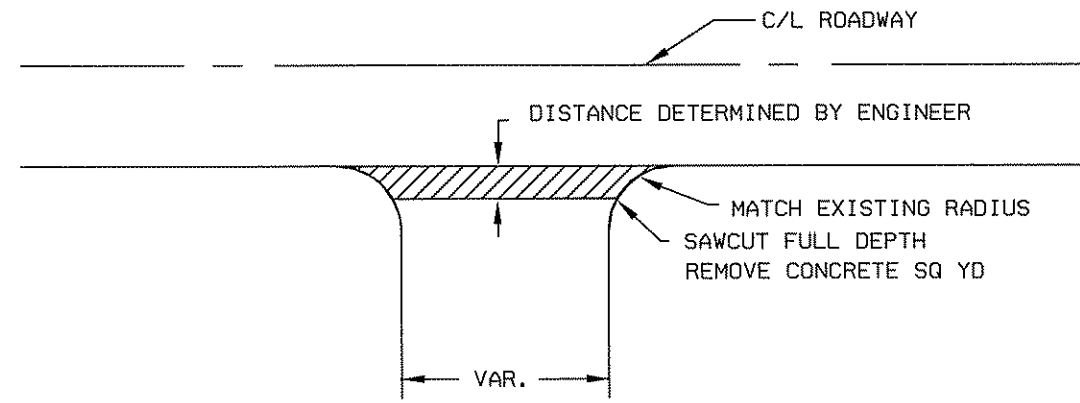
TYPICALS

Sheet 4 of 8 Sheets

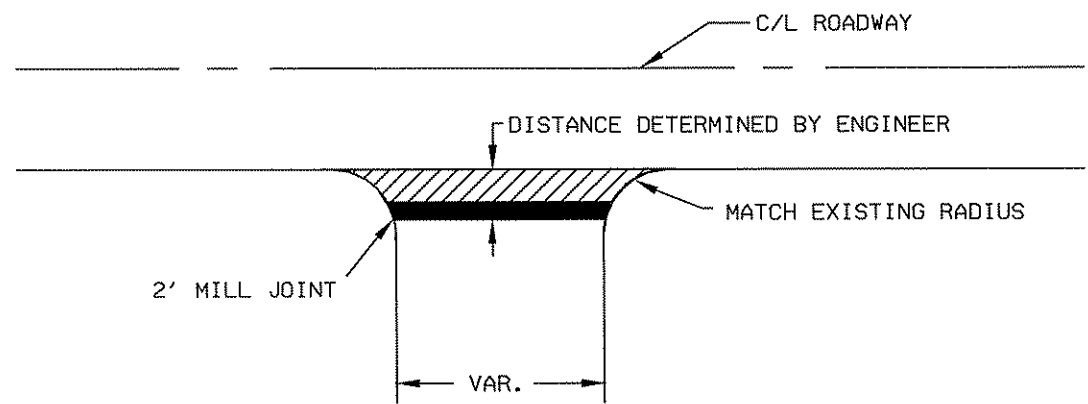
GRAVEL DR. WAYS AND FEILD ENT.



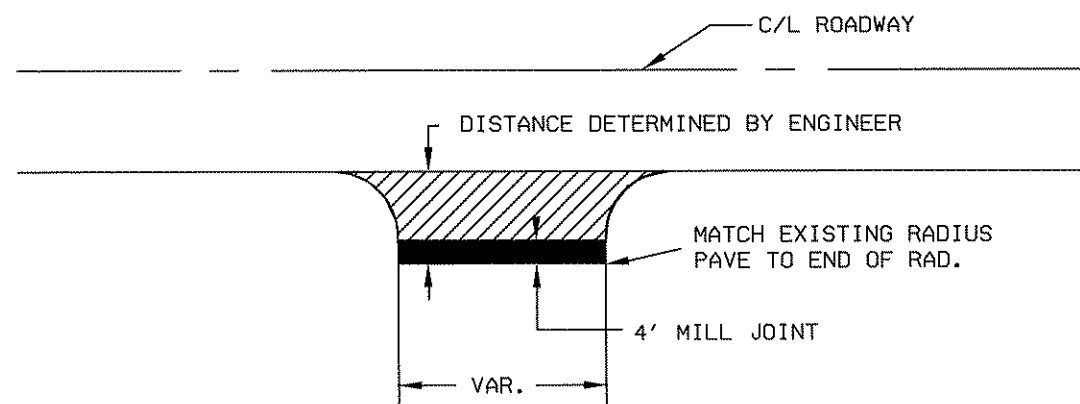
CONCRETE DR. WAYS



PAVED DR. WAYS



PAVED STREET APPROACHES



DRIVEWAYS BUMPED OUT AND PAVED WITH MAINLINE PAID AS MAINLINE.
 DRIVEWAYS PAVED IN DIFFERENT OPERATION FROM MAIN LINE PAVING PAID AS ST./DR. APPROACH.

NO	DATE	BY	CKD	APPR	REVISION

NAME: P:\09-01-00\CSAH_53\Plan\OVERLAY TEMPLT TYP DETAILS.dgn 02/05/2009 11:43:58 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: Charles Cadenhead
 SIGNATURE: *Charles Cadenhead*
 DATE: 3/23/09 LICENSE NO. 40416

DRAWN BY: JF DATE: 2/5/09
 DESIGN BY: JF DATE: 2/5/09
 CHECKED BY: _____ DATE: _____

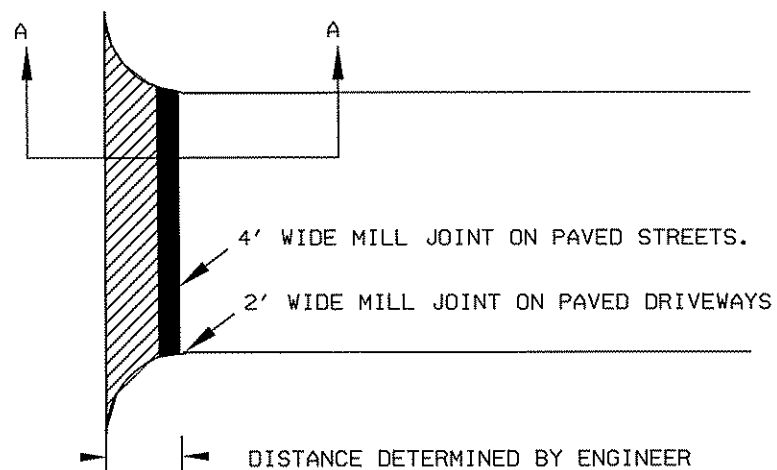


ANOKA COUNTY
 HIGHWAY DEPT.

STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 09-13-53

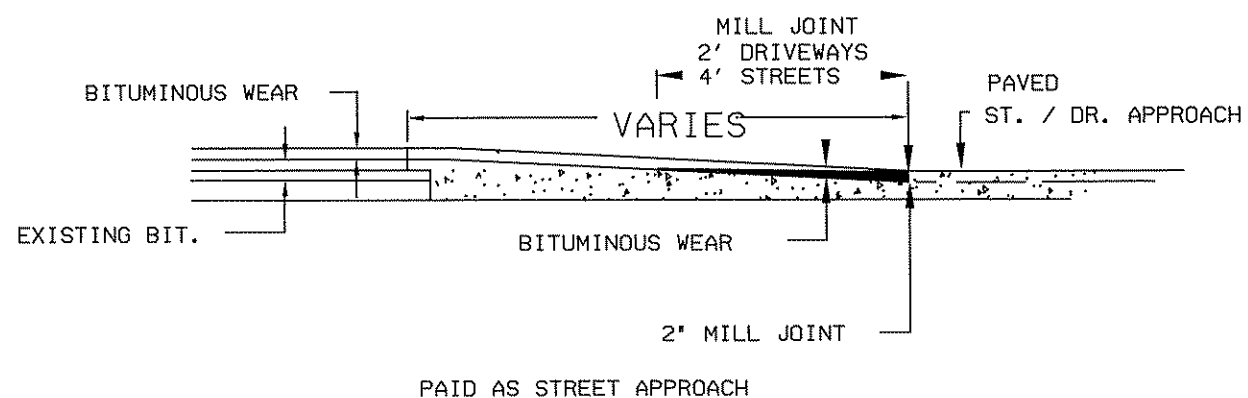
DETAILS
 Sheet 5 of 8 Sheets

PAVED DRIVEWAYS / PAVED STREETS
JOINT DETAILS

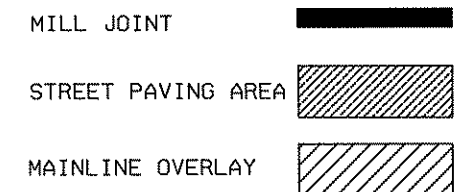
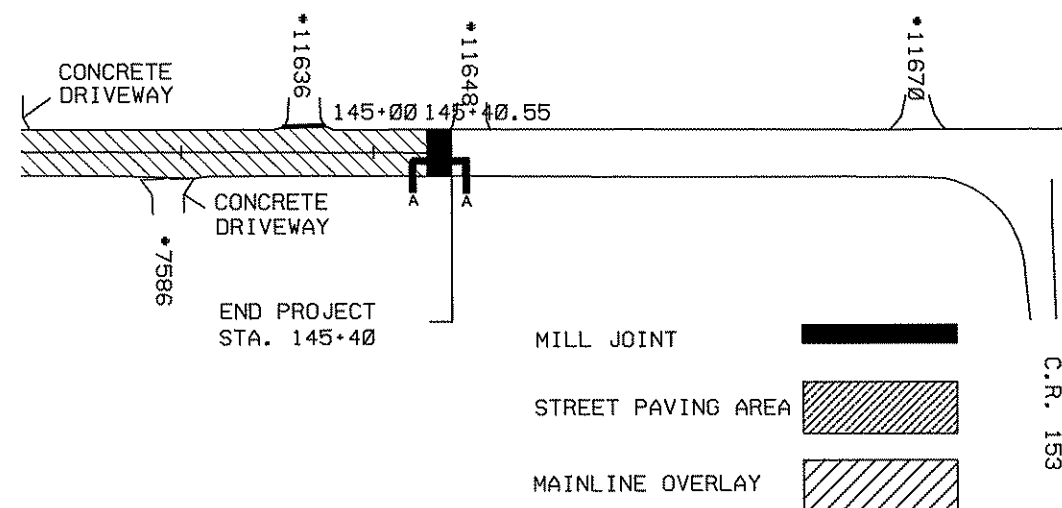
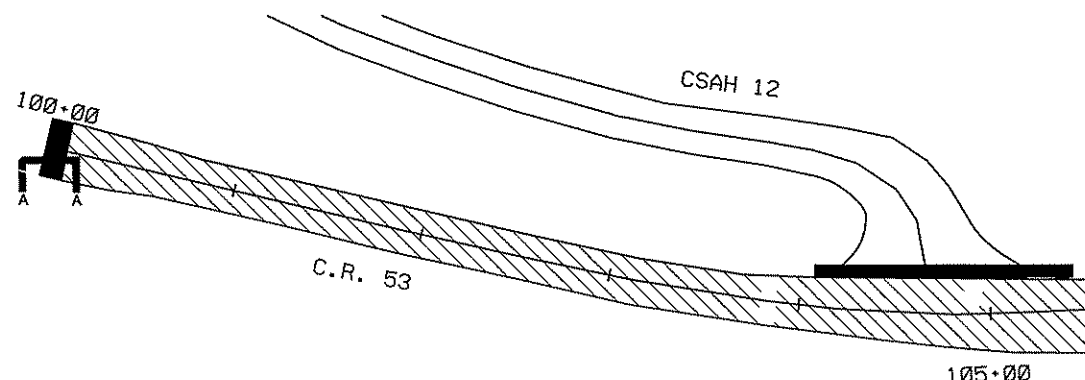


DRIVEWAYS BUMPED OUT AND PAVED WITH MAINLINE, PAID AS MAINLINE.
DRIVEWAYS PAVED IN DIFFERENT OPERATION FROM MAIN LINE PAVING PAID AS ST./DR. APPROACH.
STREETS PAID AS ST./DR. APPROACH.

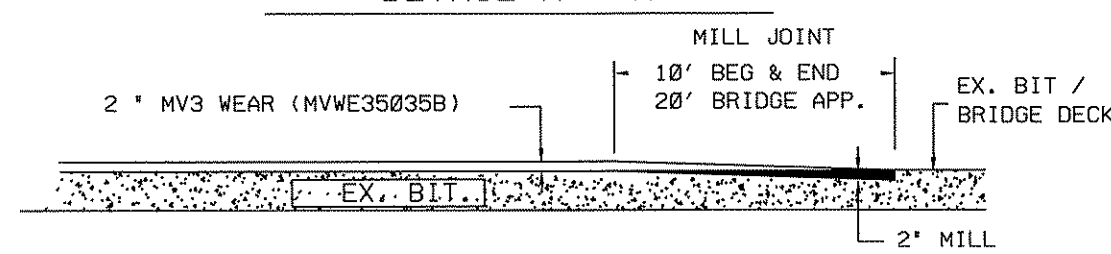
JOINT DETAILS A - A



PAID AS STREET APPROACH



DETAIL A - A



NO	DATE	BY	CKD	APPR	REVISION

NAME: PA09-01-00ICSAH_53PlanOVERLAY TEMPLATE TYP DETAILS.dgn 02/05/2009 1:03:38 PM

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: Charles Cadenhead
SIGNATURE: *Charles Cadenhead*
DATE: 2/2/09 LICENSE NO. 40916

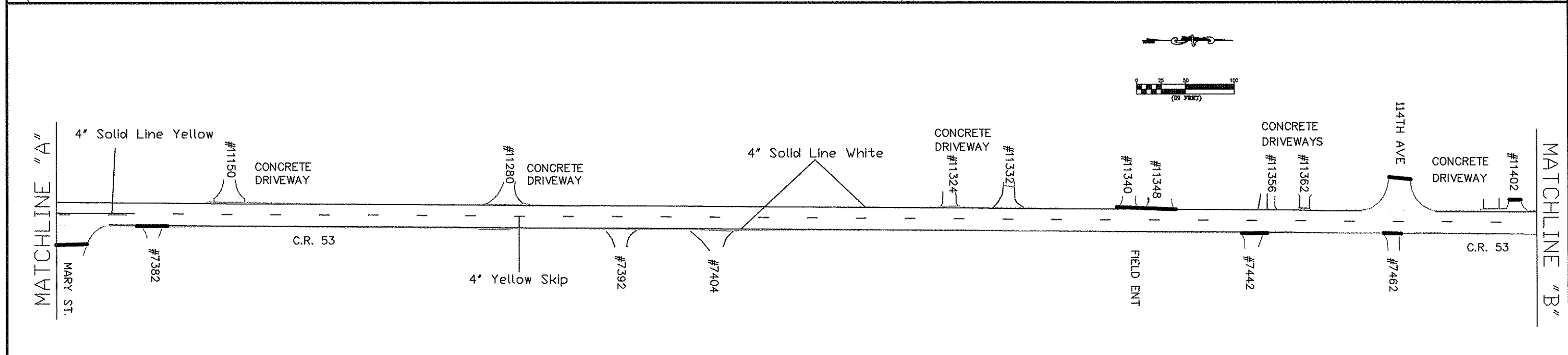
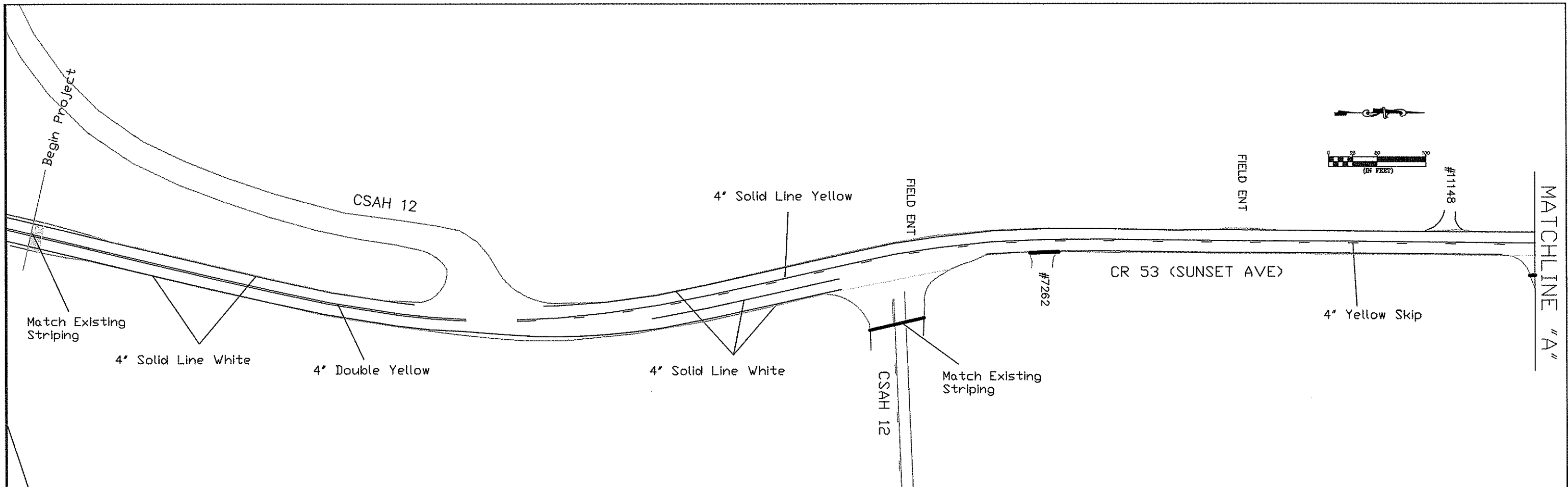
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DESIGN BY JF DATE 2/5/09
CHECKED BY DATE



ANOKA COUNTY
HIGHWAY DEPT.

STATE PROJECT NO. _____
STATE AID PROJECT NO. _____
CITY PROJECT NO. _____
COUNTY PROJECT NO. 09-13-53

DETAILS
Sheet 6 of 8 Sheets



Notes:

1. All Traffic Control Devices shall conform to the Minnesota Manual on Uniform Traffic Control Devices, including "Field Manual for Temporary Traffic Control Zone Layouts - January 2007"
2. All Traffic Control Devices shall have Retroreflective sheeting.
3. Anoka County Traffic Personnel will mark begin and end points for all lane marking.

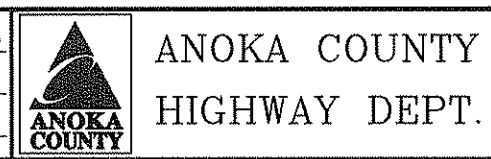
NO	DATE	BY	CKD	APPR	REVISION

NAME: T:\Traffic\dwg\CR 53 (Sunset Ave)\from CR 49 to CSAH 14.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.

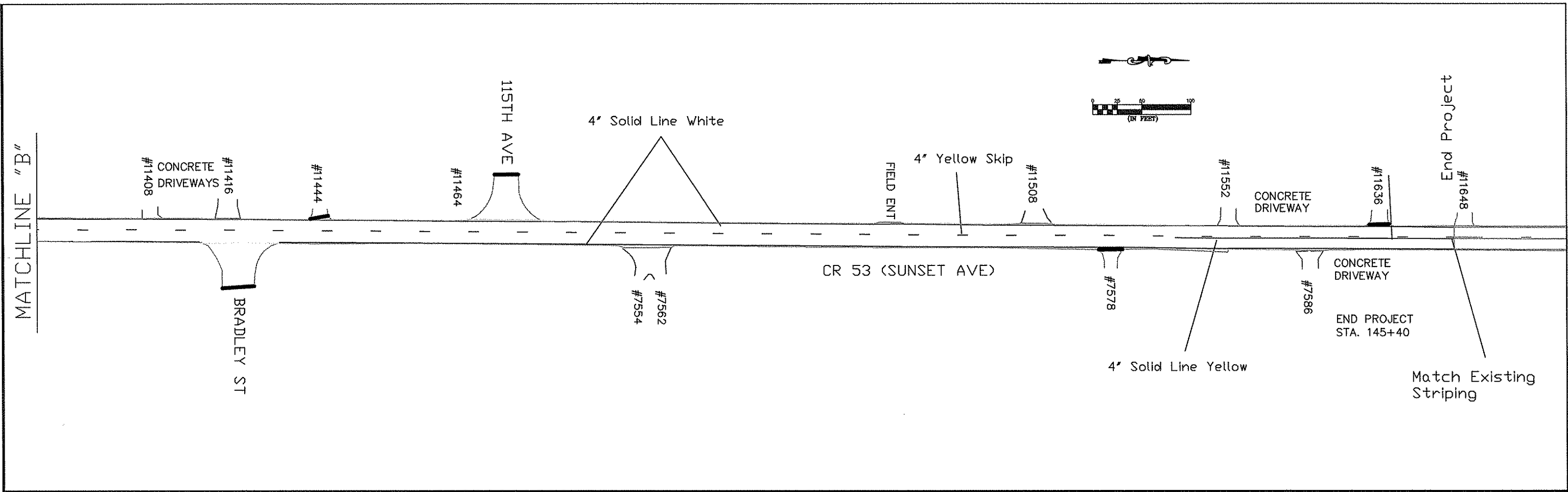
PRINT NAME: *Charles Lagerhead*
 SIGNATURE: *[Signature]*
 DATE: *3/23/09* LICENSE NO. *4296*

DRAWN BY: MTH DATE: 01/21/09
 DESIGN BY: DATE: _____
 CHECKED BY: DATE: _____



STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 09-13-53

CR 53 (SUNSET RD)
 Pavement Markings
 Sheet 07 of 08 Sheets



- Notes:
1. All Traffic Control Devices shall conform to the Minnesota Manual on Uniform Traffic Control Devices, including "Field Manual for Temporary Traffic Control Zone Layouts - January 2007"
 2. All Traffic Control Devices shall have Retroreflective sheeting.
 3. Anoka County Traffic Personnel will mark begin and end points for all lane marking.

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: <i>Charles Cadenhead</i> SIGNATURE: <i>Charles Cadenhead</i> DATE: <i>3/23/09</i> LICENSE NO. <i>409116</i>					DRAWN BY: <i>MDH</i> DATE: <i>01/21/09</i> DESIGN BY: _____ DATE: _____ CHECKED BY: _____ DATE: _____	ANOKA COUNTY HIGHWAY DEPT.	STATE PROJECT NO. _____ STATE AID PROJECT NO. _____ CITY PROJECT NO. _____ COUNTY PROJECT NO. <i>09-13-53</i>	CR 53 (SUNSET RD) Pavement Markings Sheet <i>08</i> of <i>08</i> Sheets	
NO	DATE	BY	CKD	APPR	REVISION	NAME: T:\Traffic\dwg\CR 53 (Sunset Ave)\from CR 49 to CSAH 14.dwg			