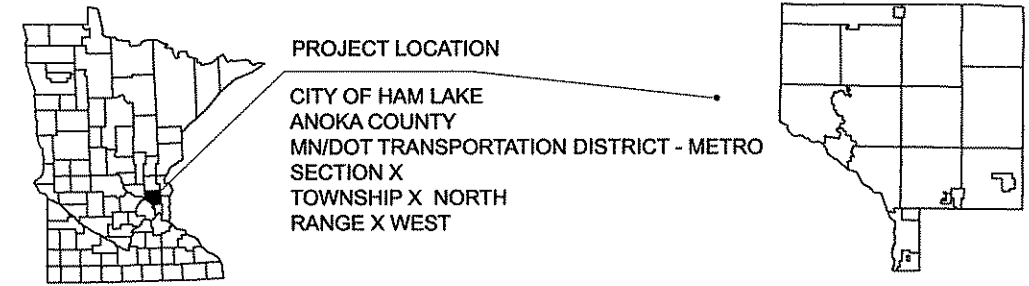
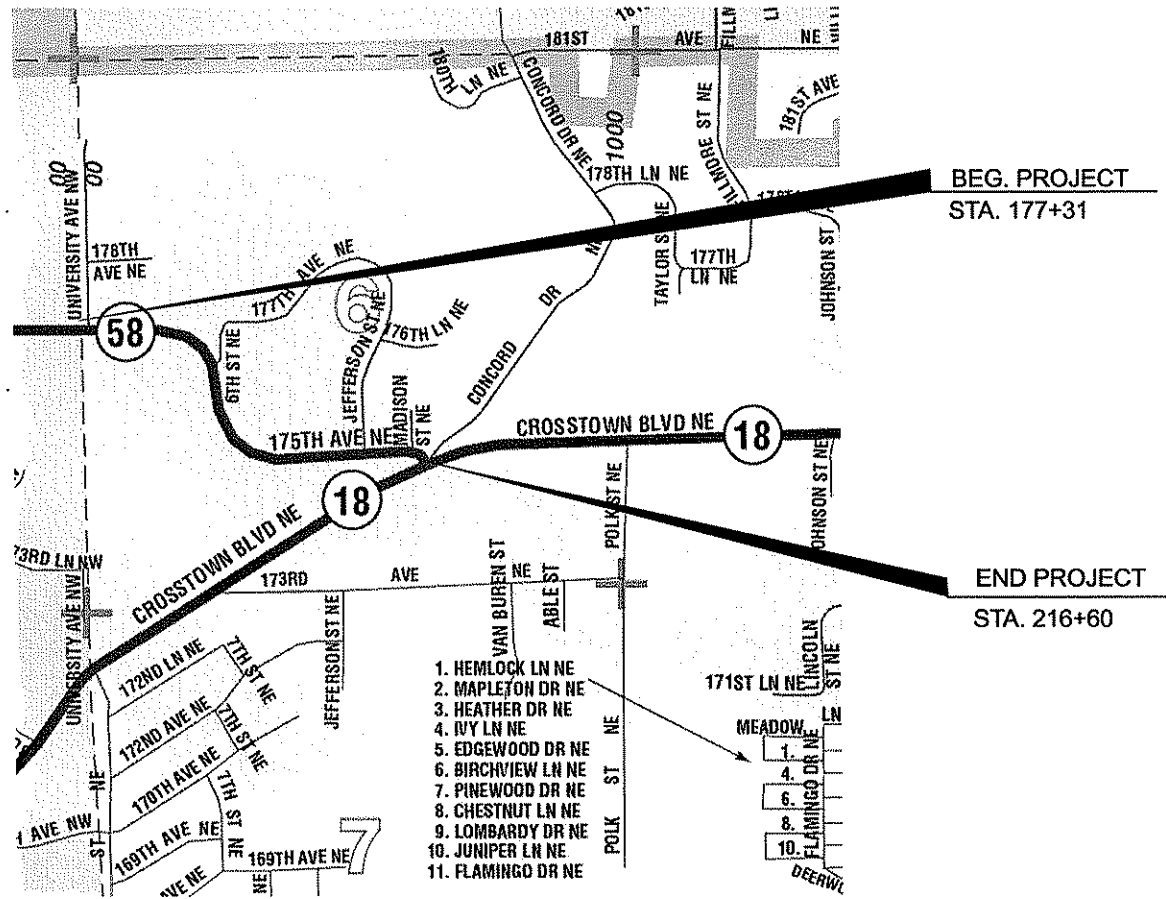


MINNESOTA DEPARTMENT OF TRANSPORTATION ANOKA COUNTY

CONSTRUCTION PLAN FOR 2" BITUMINOUS OVERLAY, AGGREGATE SHOULDERING
LOCATED ON C.S.A.H. 58 BETWEEN UNIVERSITY AVE AND CROSTOWN BLVD

COUNTY PROJ. NO. 09-11-58
C.S.A.H. 58

GROSS LENGTH	3929 FEET	0.75 MILES
BRIDGES-LENGTH	0 FEET	0.00 MILES
EXCEPTIONS-LENGTH	0 FEET	0.00 MILES
NET LENGTH	3929 FEET	0.75 MILES



STATEMENT OF ESTIMATED QUANTITIES				
ITEM NO.	ITEM	NOTE NO.	UNIT	TOTAL EST. QUANT.
2021.501	MOBILIZATION		LUMP SUM	1
2118.501	AGGREGATE SURFACING CLASS 5	1	TON	10
2221.609	AGGREGATE SHOULDERING CLASS 7B	1	TON	126
2232.604	MILL BITUMINOUS SURFACE (2") (JOINTS)		SQ YD	212
2357.502	BITUMINOUS MATERIAL FOR TACK COAT		GALLON	546
2360.609	TYPE MV3 WEAR (2" MVWE35035 B) MAINLINE WEAR	1	TON	1257
2360.609	TYPE MV3 WEAR (2" MVWE35035 B) STREET APPROACH WEAR	1	TON	34
2540.602	INSTALL MAIL BOX SUPPORT		EACH	7
2563.601	TRAFFIC CONTROL		LUMP SUM	1
2564.603	4" SOLID LINE WHITE - EPOXY		LIN FT	7800
2564.603	4" BROKEN LINE YELLOW-EPOXY		LIN FT	280
2564.603	4" SOLID LINE YELLOW - EPOXY		LIN FT	1311
2564.603	4" DOUBLE SOLID LINE YELLOW - EPOXY		LIN FT	2620
2580.603	REMOVABLE LANE TAPE	2	LIN FT	317

NOTES

NOTE 1 TRUCKING, PLACEMENT AND COMPACTION INCIDENTAL TO ITEM.

NOTE 2 TO BE PLACED PRIOR TO LEAVING SITE AT END OF DAYS PAVING.

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

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: 2/23/09 LICENSE NO. 40418

DRAWN BY: JF DATE: 2/9/09

DESIGN BY: JF DATE: 2/9/09

CHECKED BY: DATE: _____



**ANOKA COUNTY
HIGHWAY DEPT.**

STATE PROJECT NO. _____

STATE PROJECT NO. _____

STATE PROJECT NO. _____

STATE PROJECT NO. 09-11-58

TITLE / SEQ


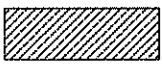

Sheet 1 of 8 Sheets

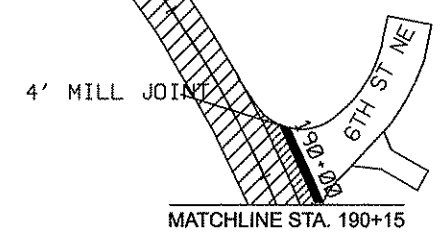
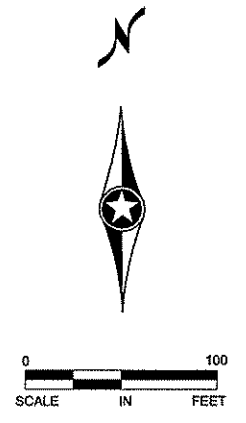
UNIVERSITY AVE

BEG PROJECT
177+31

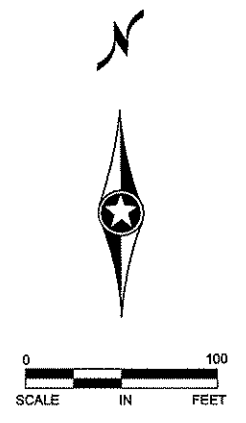
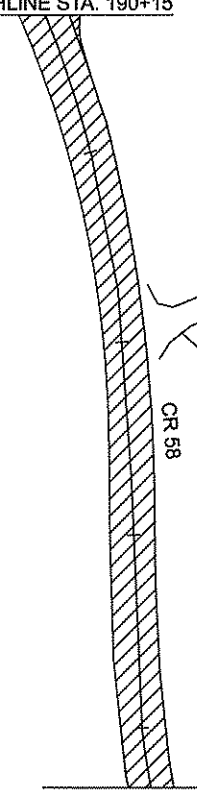
180+00 CR 58

185+00

- MILL JOINT 
- STREET PAVING AREA 
- MAINLINE OVERLAY 



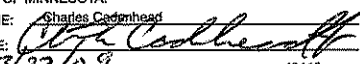
MATCHLINE STA. 190+15



NO	DATE	BY	CKD	APPR	REVISION

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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 Cadonhead
SIGNATURE: 
DATE: 3/22/09 LICENSE NO. 40416

DRAWN BY JF DATE 2/9/09
DESIGN BY JF DATE 2/9/09
CHECKED BY _____ DATE _____

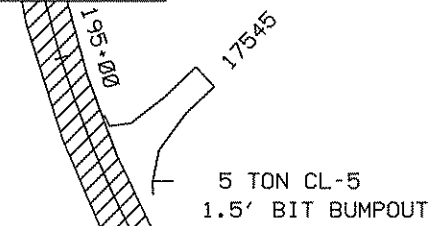


ANOKA COUNTY
HIGHWAY DEPT.

STATE PROJECT NO. _____
STATE AID PROJECT NO. _____
CITY PROJECT NO. _____
COUNTY PROJECT NO. 09-11-58

PLAN
STA 177+31 TO 194+50
Sheet 2 of 8 Sheets

MATCHLINE STA. 194+50



5 TON CL-5
1.5' BIT BUMPOUT

CR 58

200+00

205+00

535

2' MILL JOINT

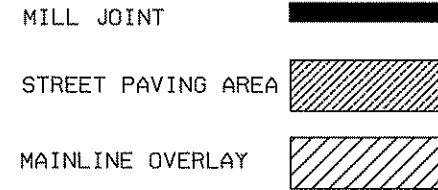
CR 58

4' MILL JOINT

210+00

JEFFERSON ST NE

MATCHLINE STA. 211+00



MATCHLINE STA. 211+00

CR 58

MADISON ST NE

215+00

4' MILL JOINT

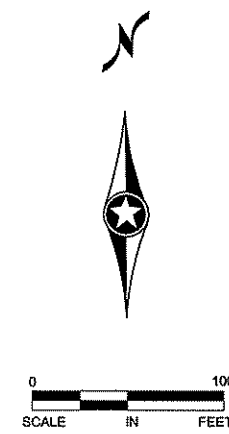
CONCORD DR NE

END PROJECT
216+60

10' MILL JOI

216+60.70
CSAH 18

CSAH 18



NO	DATE	BY	CKD	APPR	REVISION

NAME: P:109-01-00CSAH_58_UNIVERSITY TO 18)PlanOVERLAY TEMPLAT PLAN PLAN 2009 11:36:05 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 2/9/09
 DESIGN BY JF DATE 2/9/09
 CHECKED BY _____ DATE _____

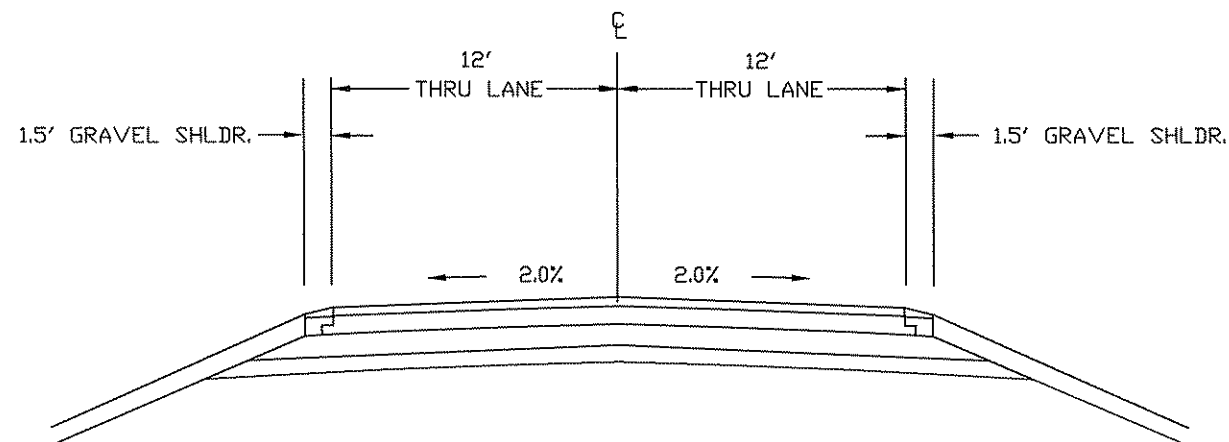
ANOKA COUNTY
HIGHWAY DEPT.

STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 09-11-58

PLAN
 STA 194+50 TO 216+60
 Sheet 3 of 8 Sheets

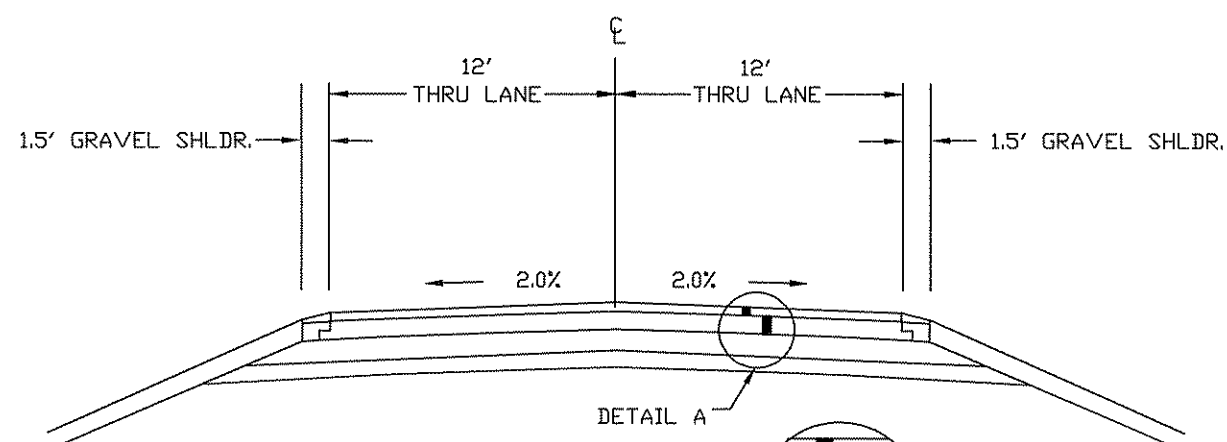
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STA. 177+31-213+70



PROPOSED SECTION

STA. 177+31-213+70

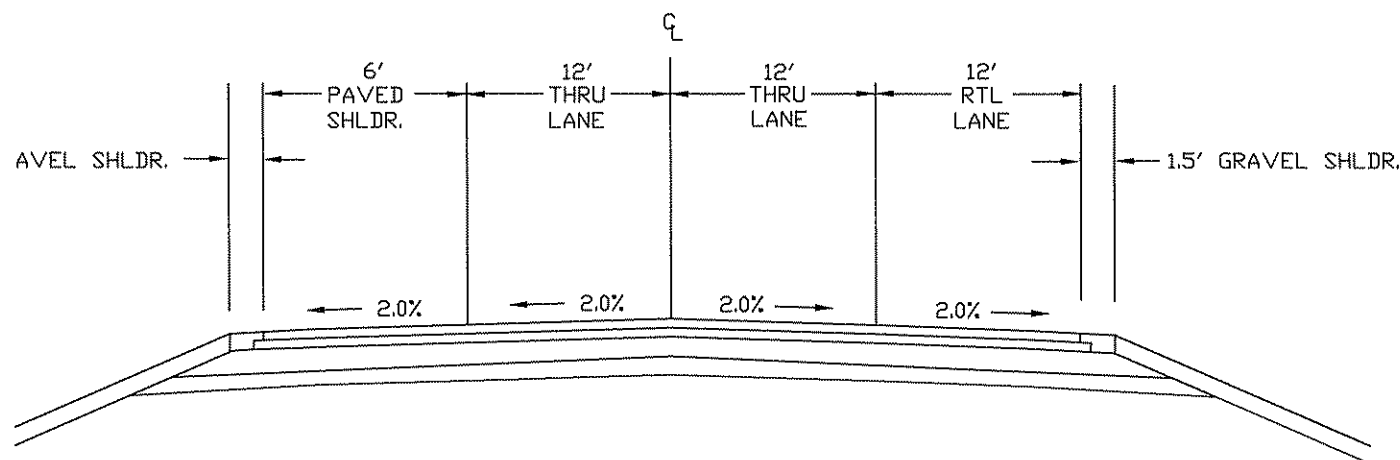


DETAIL A

2' TYPE MV3 WEAR (MVWE35035 B)
EXISTING BITUMINOUS

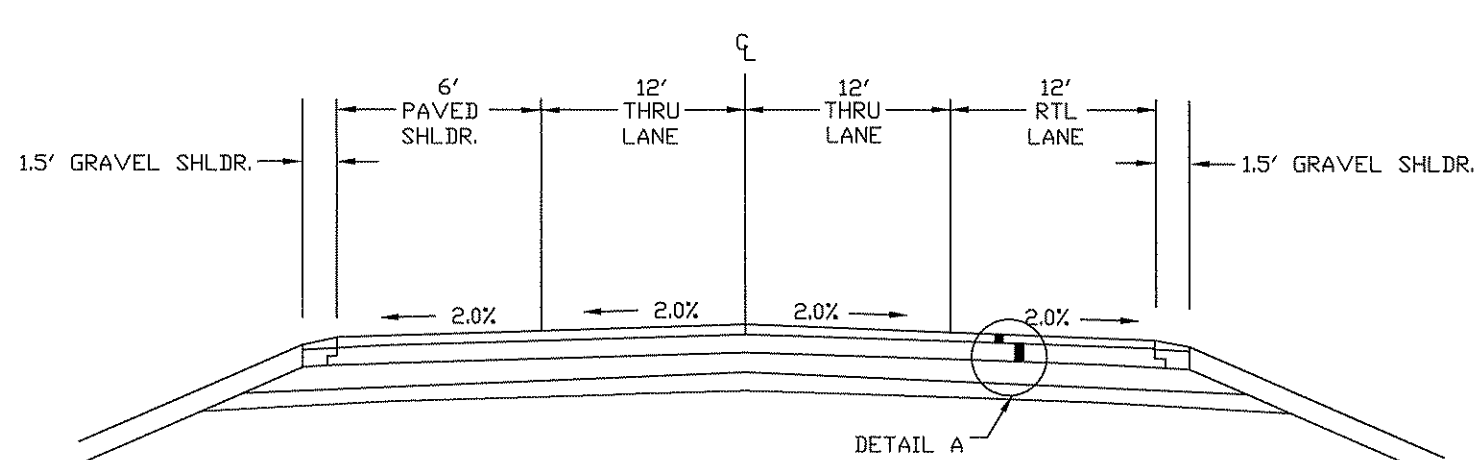
EXISTING STANDARD SECTION

STA. 213+70-216+60



PROPOSED SECTION

STA. 213+70-216+60



DETAIL A

2' TYPE MV3 WEAR (MVWE35035 B)
EXISTING BITUMINOUS

NO	DATE	BY	CHKD	APPR	REVISION

NAME: P:\09-01-00\CSAH_68_(UNIVERSITY TO 18)\Plan\OVERLAY TEMPLET TYP DET\02092009 11:36:35 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: 2/9/09
DESIGN BY: JF DATE: 2/9/09
CHECKED BY: DATE: _____

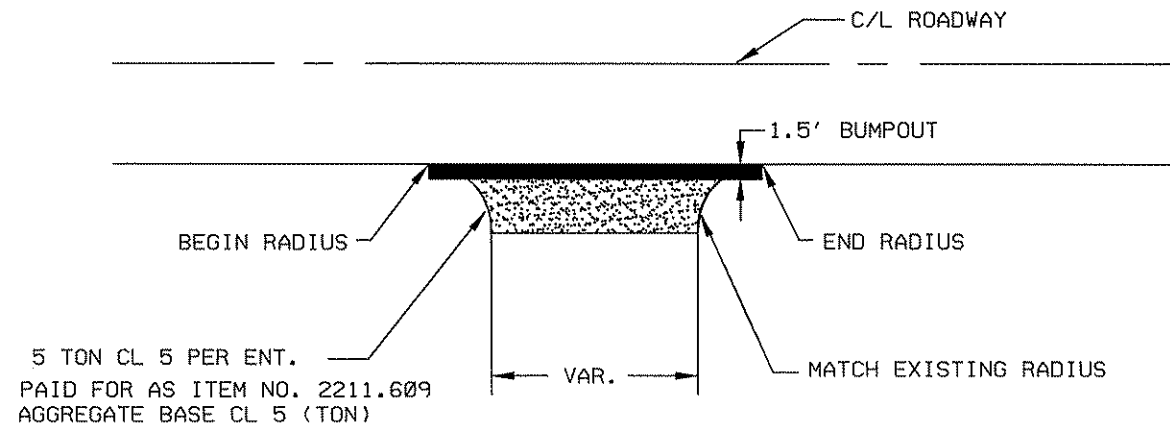


ANOKA COUNTY
HIGHWAY DEPT.

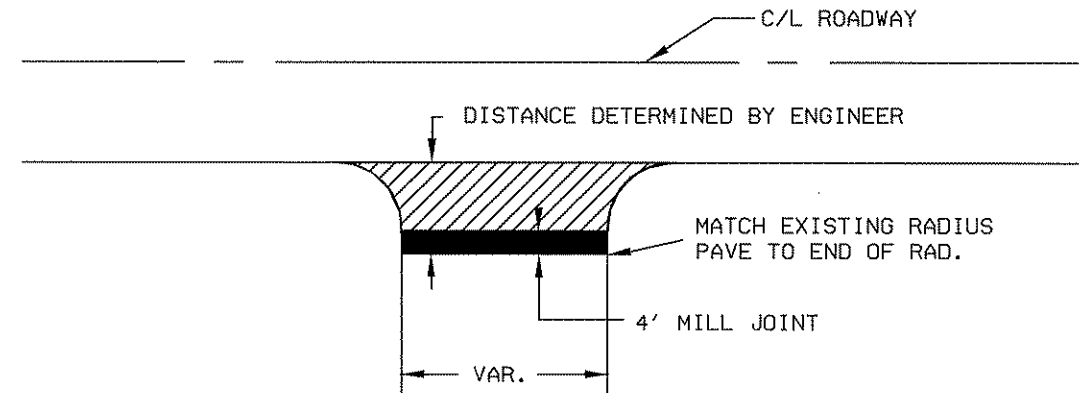
STATE PROJECT NO. _____
STATE AID PROJECT NO. _____
CITY PROJECT NO. _____
COUNTY PROJECT NO. 09-11-58

TYPICALS
Sheet 4 of 8 Sheets

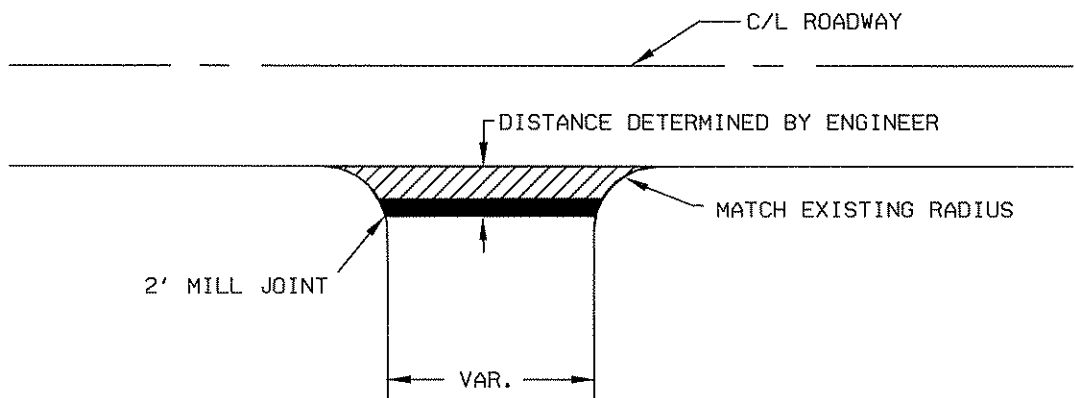
GRAVEL DR. WAYS AND FEILD ENT.



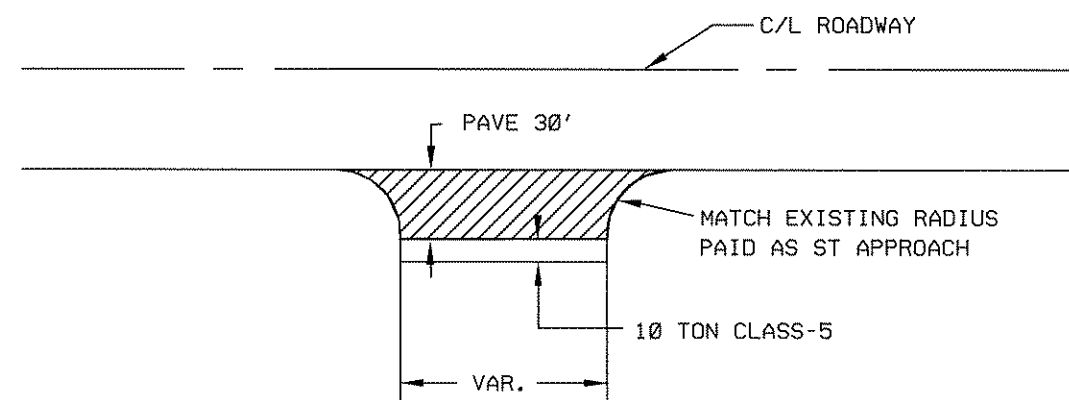
PAVED STREET APPROACHES



PAVED DR. WAYS



UN-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	CHKD	APPR	REVISION

NAME: P:\09-01-00\CSAH_58 (UNIVERSITY TO 18)\Plan\OVERLAY TEMPLATE TYP DETAIL\090909 11:36:57 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: 2/9/09
 DESIGN BY: JF DATE: 2/9/09
 CHECKED BY: DATE: _____

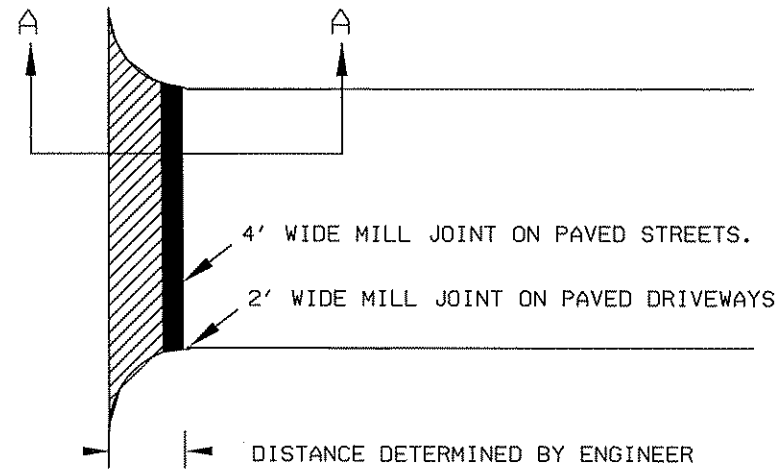


ANOKA COUNTY
 HIGHWAY DEPT.

STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 09-11-58

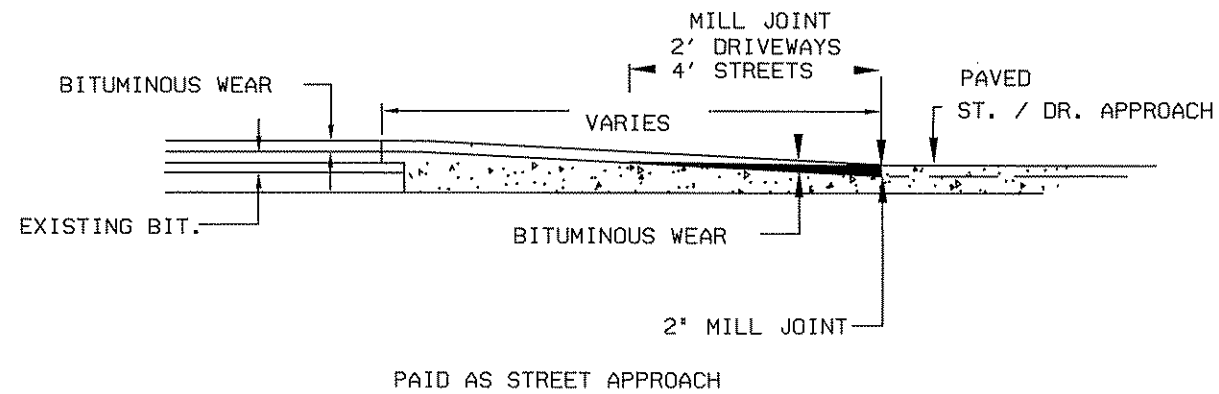
DETAILS
 Sheet 5 of 8 Sheets

PAVED DRIVEWAYS / PAVED STREETS
JOINT DETAILS



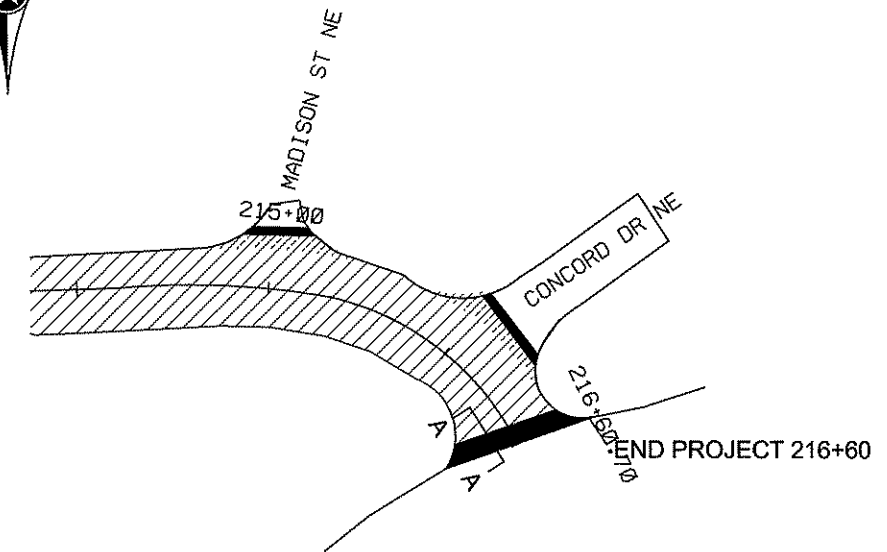
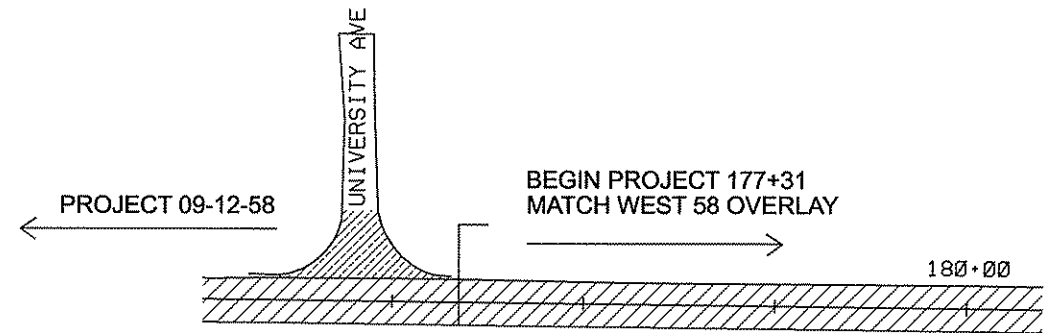
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DRIVEWAYS PAVED IN DIFFERENT OPERATION FROM MAIN LINE PAVING PAID AS ST./DR. APPROACH.
STREETS PAID AS ST./DR. APPROACH.

JOINT DETAILS A - A

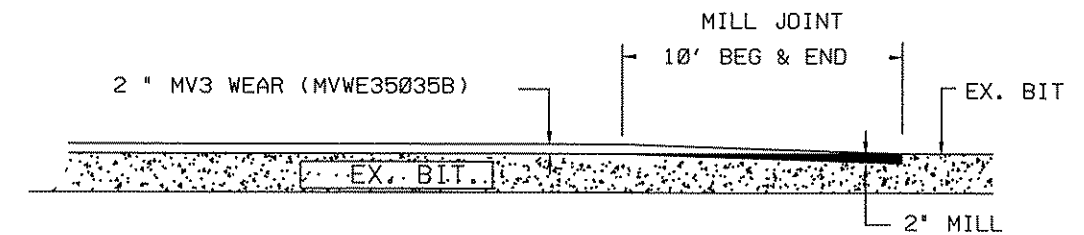


PAID AS STREET APPROACH

MAINLINE
JOINT DETAILS



DETAIL A - A



NO	DATE	BY	CKD	APPR	REVISION

NAME: P:09-01-00:CSAH_58_(UNIVERSITY TO 18)PlanOVERLAY TEMPLT TYP DETA62809R009 11:37:21 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 MINNESOTA.
PRINT NAME: Charles Cadanhead
SIGNATURE: *Charles Cadanhead*
DATE: 3/23/09 LICENSE NO. 40416

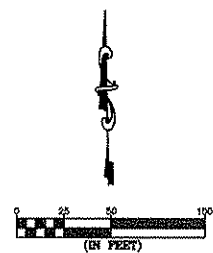
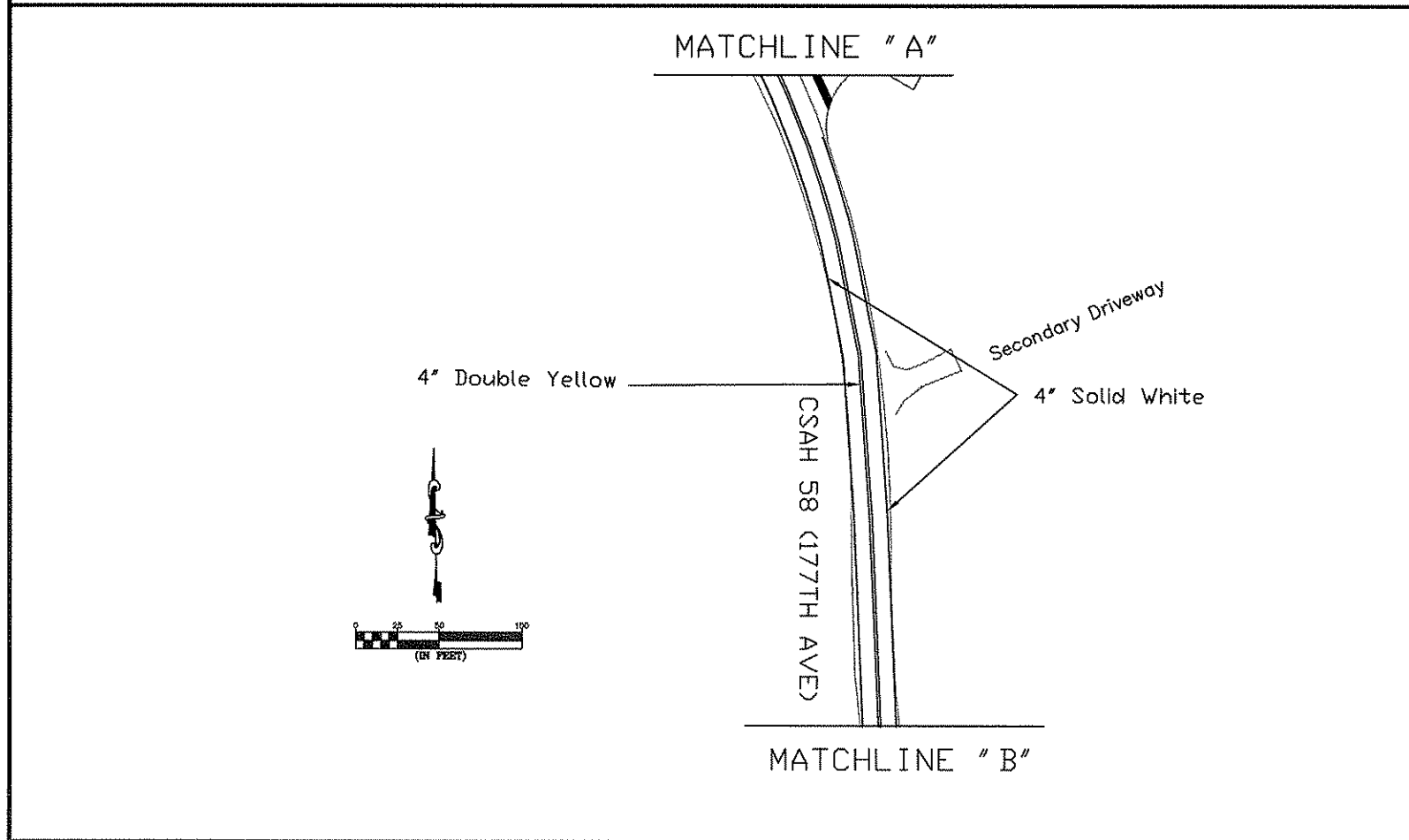
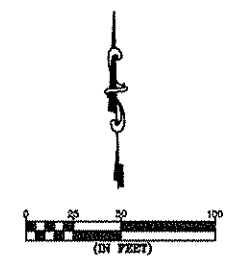
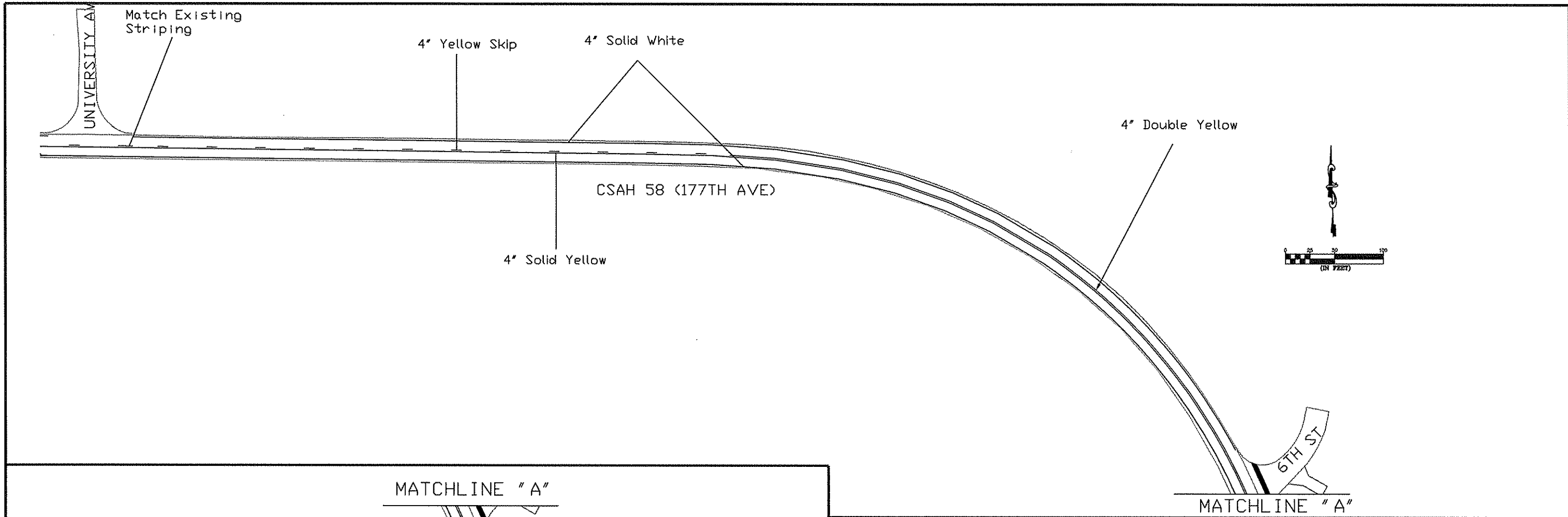
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DESIGN BY: JF DATE: 2/9/09
CHECKED BY: _____ DATE: _____



ANOKA COUNTY
HIGHWAY DEPT.

STATE PROJECT NO. _____
STATE AID PROJECT NO. _____
CITY PROJECT NO. _____
COUNTY PROJECT NO. 09-11-58

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	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: *Charles Cadenhead*
 SIGNATURE: *Charles Cadenhead*
 DATE: *3/23/09* REG. NO. *40416*

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



ANOKA COUNTY
 HIGHWAY DEPT.

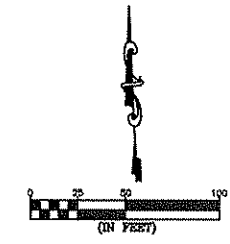
STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 STATE AID PROJECT NO. _____
 COUNTY PROJECT NO. 09-11-58

CSAH 58
 from University to CSAH 18

Sheet 7 of 8 Sheets

MATCHLINE "B"

17545



4" Double Yellow

4" Solid White

4" Yellow Skip

4" Solid Yellow

535

CSAH 58 (175th Ave)

4" Double Yellow

JEFFERSON ST

MATCHLINE "C"

4" Solid White



MATCHLINE "C"

CSAH 58 (175th Ave)

4" Double Yellow

MADISON ST.

CONCORD DR

CSAH 18 (CROSSTOWN)

- 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 REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 PRINT NAME: *Charles Lindenberg*
 SIGNATURE: *[Signature]*
 DATE: *3/23/09* REG. NO. *40416*

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



ANOKA COUNTY
 HIGHWAY DEPT.

STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 STATE AID PROJECT NO. _____
 COUNTY PROJECT NO. 09-11-58

CSAH 58
 from University to CSAH 18
 Sheet 8 of 8 Sheets

NO	DATE	BY	CHKD	APPR	REVISION

NAME: T:\Traffic\dwg\CSAH 58\from CSAH 7 to CSAH 18.dwg