

PLAN SYMBOLS

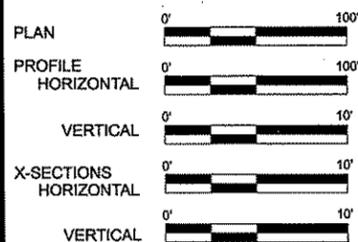
- COUNTY LINE _____
- TOWNSHIP OR RANGE LINE _____
- SECTION LINE _____
- QUARTER LINE _____
- SIXTEENTH LINE _____
- RIGHT OF WAY LINE _____
- SLOPE EASEMENT _____
- EXISTING RIGHT OF WAY _____
- PROPERTY LINE _____
- CORPORATE OR CITY LIMITS _____
- RETAINING WALL _____
- RAILROAD _____
- RAILROAD 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 _____

- LOWLAND _____
- TIMBER _____
- ORCHARD _____
- BRUSH _____
- NURSERY _____
- CATTLE GUARD _____
- OVERPASS (Highway Over) _____
- UNDERPASS (Highway Under) _____
- BRIDGE _____
- 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 _____
- IRON PIN _____
- GRAVEL PIT _____
- SAND PIT _____
- BORROW PIT _____
- ROCK QUARRY _____

UTILITY SYMBOLS

- POWER POLE LINE _____
- TELEPHONE OR TELEGRAPH POLE LINE _____
- JOINT TELEPHONE & POWER ON POWER POLES _____
- ON TELEPHONE POLES _____
- ANCHOR _____
- STEEL TOWER _____
- STREET LIGHT _____
- PEDESTAL (Cable Terminal) _____
- GAS MAIN _____
- WATERMAIN _____
- TELEPHONE CABLE IN CONDUIT _____
- ELECTRIC CABLE IN CONDUIT _____
- TELEPHONE MANHOLE _____
- ELECTRIC MANHOLE _____
- BURIED TELEPHONE CABLE _____
- BURIED ELECTRIC CABLE _____
- SEWER (Sanitary or Storm) _____
- SEWER MANHOLE _____

SCALES



MINNESOTA DEPARTMENT OF TRANSPORTATION ANOKA COUNTY

CONSTRUCTION PLAN FOR 2" BITUMINOUS OVERLAY

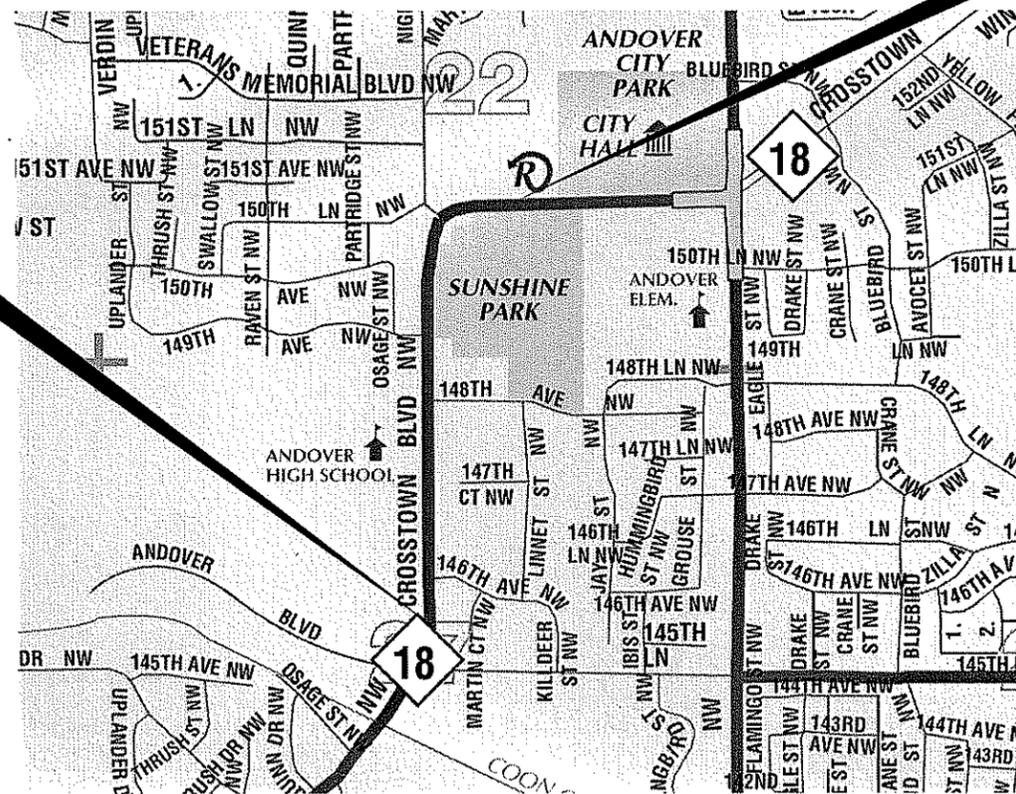
LOCATED ON C.R. 18 BETWEEN ANDOVER BLVD AND NIGHTINGALE STREET N.W.

COUTNY PROJ. NO. 10-22-18

GROSS LENGTH	<u>3824 FEET</u>	<u>0.72 MILES</u>
BRIDGES-LENGTH	<u>0.00 FEET</u>	<u>0.000 MILES</u>
EXCEPTIONS-LENGTH	<u>0.00 FEET</u>	<u>0.000 MILES</u>
NET LENGTH	<u>3824 FEET</u>	<u>0.72 MILES</u>

END COUNTY PROJ. 10-22-18
C.R. 18 STA. 50+26

BEGIN COUNTY PROJ. 10-22-18
C.R. 18 STA 12+02



PROJECT LOCATION
CITY OF ANDOVER
ANOKA COUNTY
MN/DOT TRANSPORTATION DISTRICT - METRO
SECTION 27,22
TOWNSHIP 32 NORTH
RANGE 24 WEST

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 PAR VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS."

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES,
3	TYPICAL SECTIONS
4	MISCELLANEOUS DETAILS
5-6	PLAN PROFILE
7-8	SIGNING & STRIPING PLAN, TAB , & DETAILS

THIS PLAN CONTAINS 8 SHEETS

Approved 3/26/2010
ANOKA COUNTY ENGINEER

NO	DATE	BY	CKD	APPR	REVISION

NAME: P:\10-01-20\CR_18_(ANDOVERBLVD-NIGHTINGALE)\P3\2010 TLE.DGN 8:19:58 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:
DATE: 3/26/10 LICENSE NO. 40416

DRAWN BY CSO DATE 3/1/2010
DESIGN BY CSO DATE 3/1/2010
CHECKED BY JO DATE _____

ANOKA COUNTY
HIGHWAY DEPT.

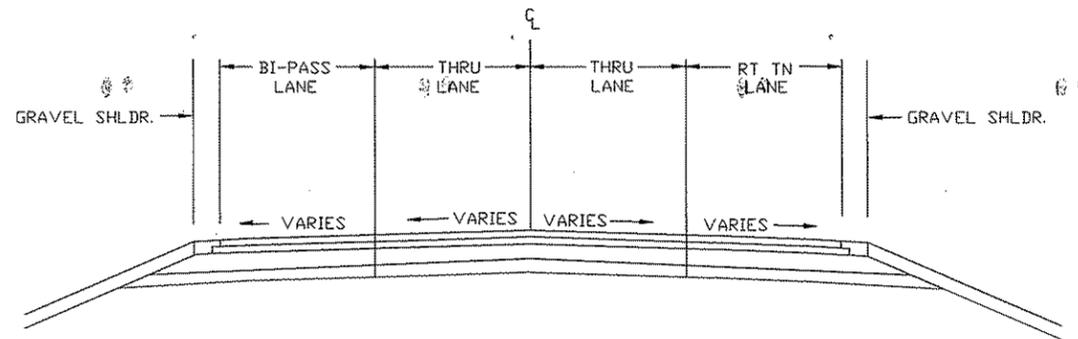
STATE AID PROJECT NO. _____
STATE PROJECT NO. _____
CITY PROJECT NO. _____
COUNTY PROJECT NO. 10-22-18

TITLE SHEET

Sheet 1 of 8 Sheets

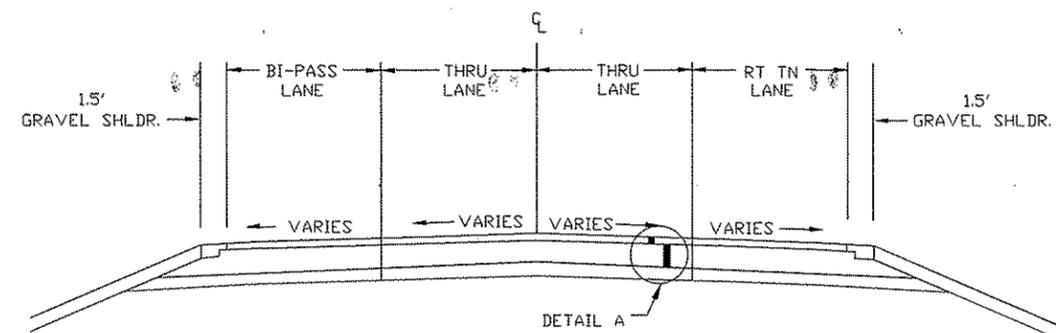
EXISTING TYPICAL SECTION

39+95-46+40



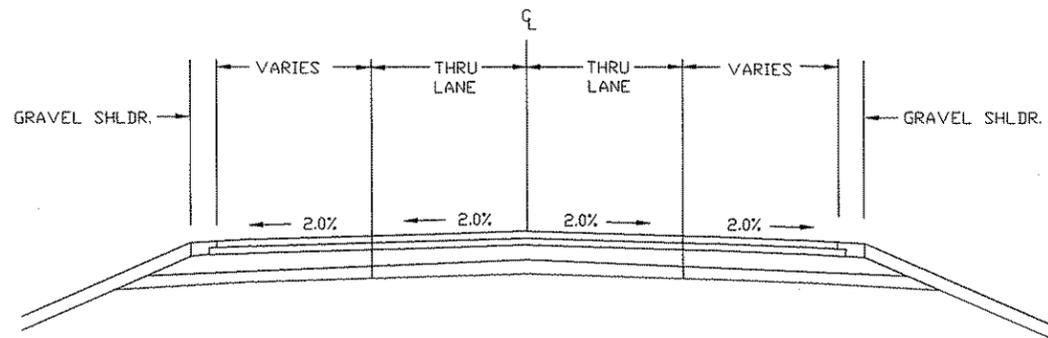
PROPOSED TYPICAL SECTION

39+95-46+40



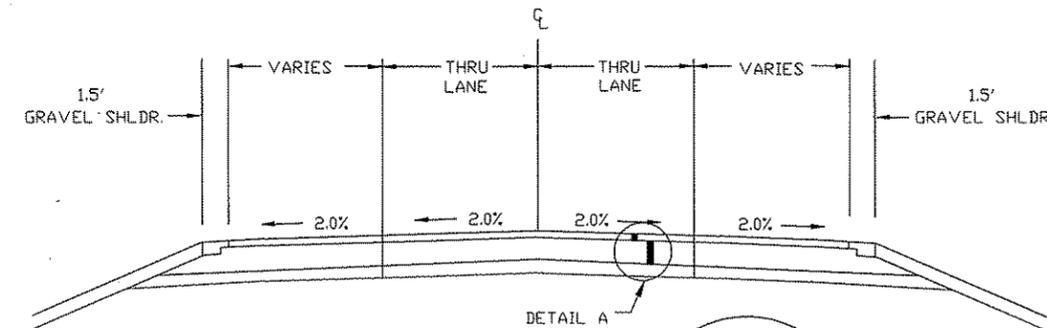
EXISTING TYPICAL SECTION

12+02-39+95
46+40-50+26



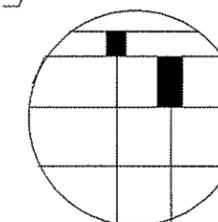
PROPOSED TYPICAL SECTION

12+02-39+95
46+40-50+26



DETAIL A

2" TYPE SP 12.5 WEAR COURSE (SPWEB440B)
EXISTING BITUMINOUS

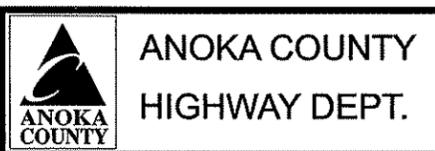


NO	DATE	BY	CKD	APPR	REVISION

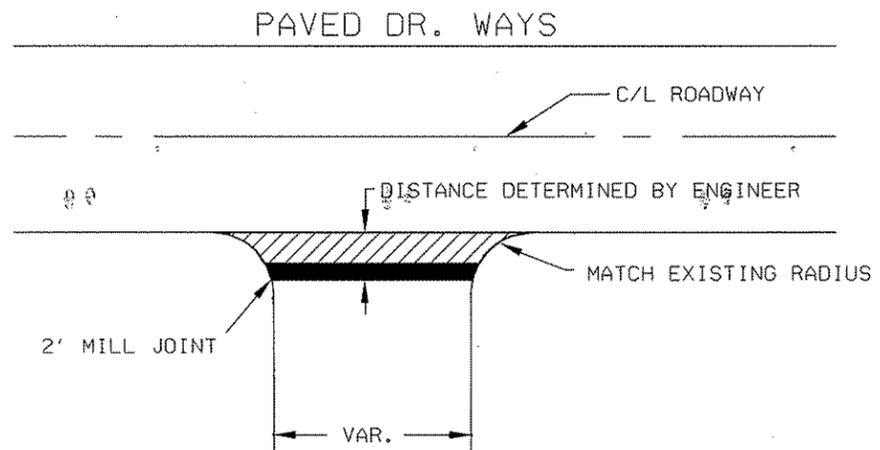
NAME: P:\10-01-00\CR_18_(AndoverBLVD-Nightengale)\Plan\2A TYP-DETAILS.dgn 2/22/2010 10:00:30 AM

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: 3/1/2010 LICENSE NO. 40416

DRAWN BY CSO DATE 3/1/2010
 DESIGN BY CSO DATE 3/1/2010
 CHECKED BY CSO DATE 3/1/2010



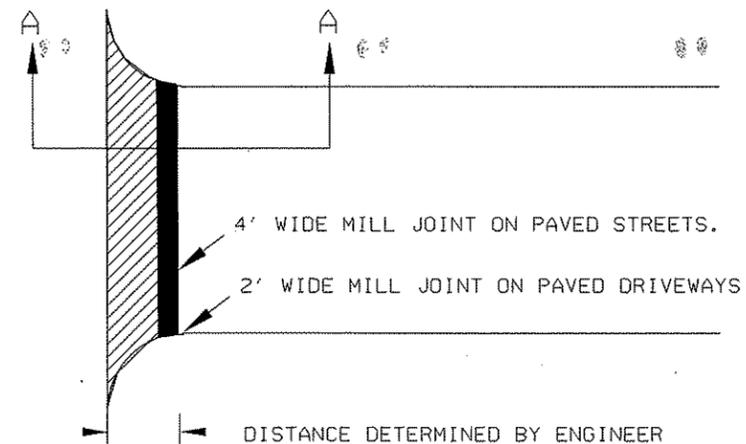
STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 10-22-18



DRIVEWAYS BUMPED OUTS, PAVED WITH MAINLINE, PAID AS MAINLINE.

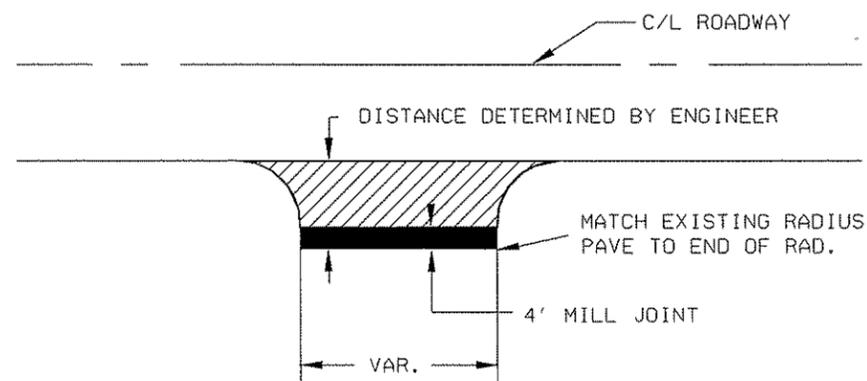
ALL PAVED STREETS AND DRIVEWAYS TO BE TIED IN DURING MAINLINE PAVING IF THEY CAN NOT BE TIED IN DURING MAINLINE PAVING, A DIFFERENT PAVING OPERATION WILL TAKE PLACE BUT STILL PAID FOR AS MAINLINE PAVING

PAVED DRIVEWAYS / PAVED STREETS
JOINT DETAILS

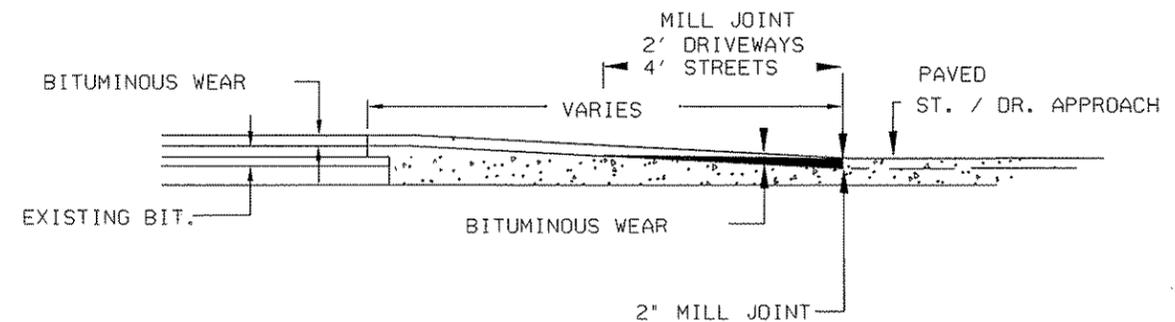


DRIVEWAYS BUMPED OUT, PAVED WITH MAINLINE, PAID AS MAINLINE.

PAVED STREET APPROACHES



JOINT DETAILS A - A



NO	DATE	BY	CHKD	APPR	REVISION

NAME: P:\10-01-00\CR_18_(Andover\BLVD-Nightengale)\Plan\2A TYP-DETAILS.dgn 2/22/2010 10:00:49 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: 3/26/10 LICENSE NO. 40416

DRAWN BY CSO DATE 3/1/2010

DESIGN BY CSO DATE 3/1/2010

CHECKED BY CSO DATE 3/1/2010



**ANOKA COUNTY
HIGHWAY DEPT.**

STATE PROJECT NO. _____

STATE AID PROJECT NO. _____

CITY PROJECT NO. _____

COUNTY PROJECT NO. 10-22-18

MISCELLANEOUS DETAILS

Sheet 4 of 8 Sheets

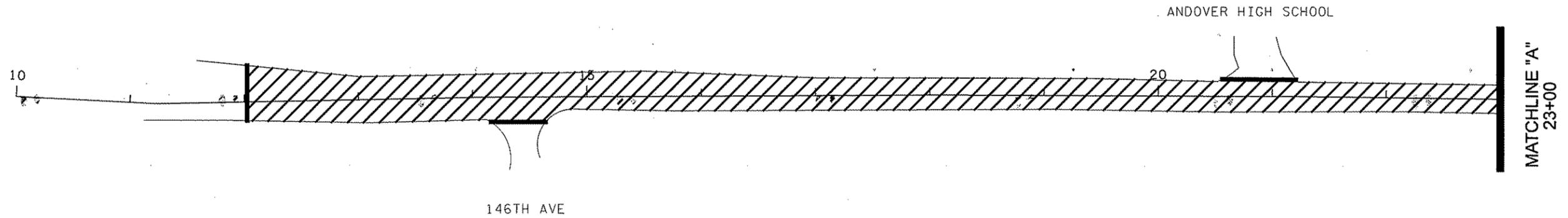
OVERLAY AREA



MILL JOINT LOCATION



*NOTE: ALL MILL JOINT LOCATIONS AND MILL AREAS, ARE TO BE FIELD VARIFIED BY ON SITE INSPECTOR



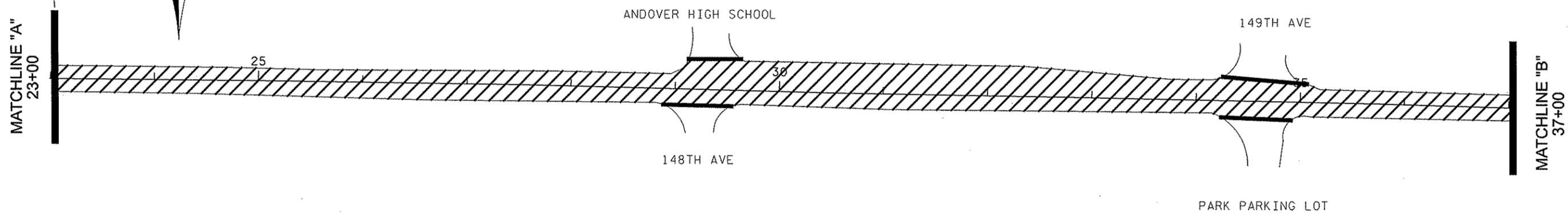
OVERLAY AREA



MILL JOINT LOCATION



*NOTE: ALL MILL JOINT LOCATIONS AND MILL AREAS, ARE TO BE FIELD VARIFIED BY ON SITE INSPECTOR



NO	DATE	BY	CHKD	APPR	REVISION

NAME: P:\10-01-00\CR_18_(AndoverBLVD-Nightengale)\Plan3 plan sheet 1.dgn 10:09:18 AM 2/22/2010

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

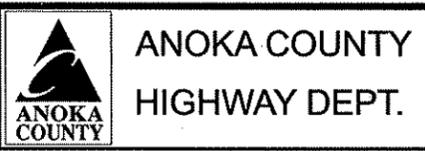
SIGNATURE: *Charles Cadenhead*

DATE: *2/22/10* LICENSE NO. 40416

DRAWN BY CSO DATE 3/1/2010

DESIGN BY CSO DATE 3/1/2010

CHECKED BY J.O. DATE 3/1/2010



STATE PROJECT NO. _____

STATE AID PROJECT NO. _____

CITY PROJECT NO. _____

COUNTY PROJECT NO. 10-22-18

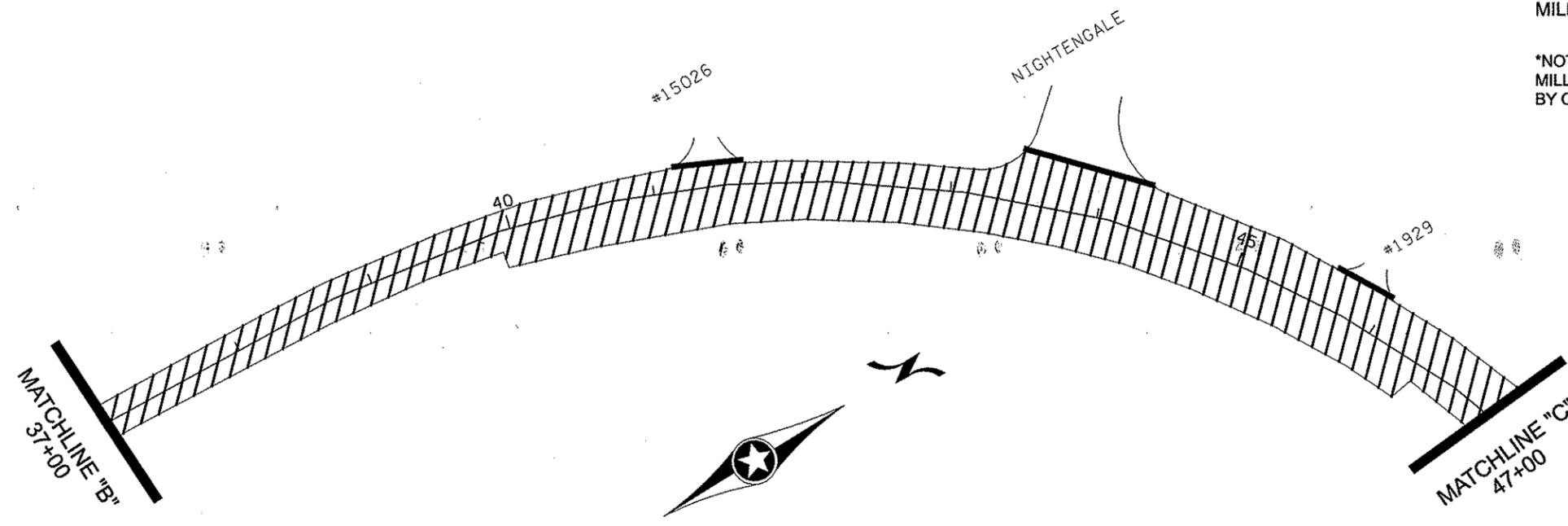
SHEET TITLE

STA 12+02 TO 37+00

Sheet 5 of 8 Sheets

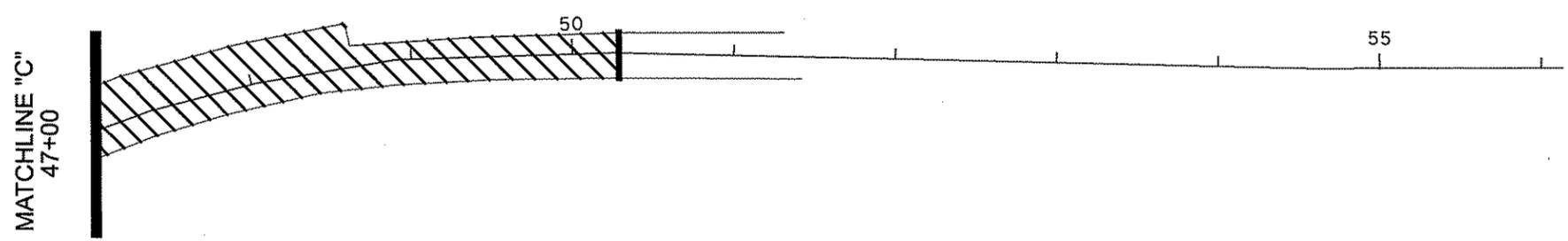
OVERLAY AREA 
 MILL JOINT LOCATION 

*NOTE: ALL MILL JOINT LOCATIONS AND MILL AREAS, ARE TO BE FIELD VARIFIED BY ON SITE INSPECTOR



OVERLAY AREA 
 MILL JOINT LOCATION 

*NOTE: ALL MILL JOINT LOCATIONS AND MILL AREAS, ARE TO BE FIELD VARIFIED BY ON SITE INSPECTOR

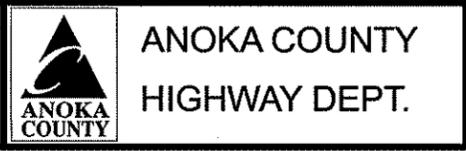


NO	DATE	BY	CKD	APPR	REVISION

NAME: P:\10-01-00\CR_18_(AndoverBLVD-Nightengale)\Plan\3 plan sheet 1.dgn 2/22/2010 10:09:33 AM

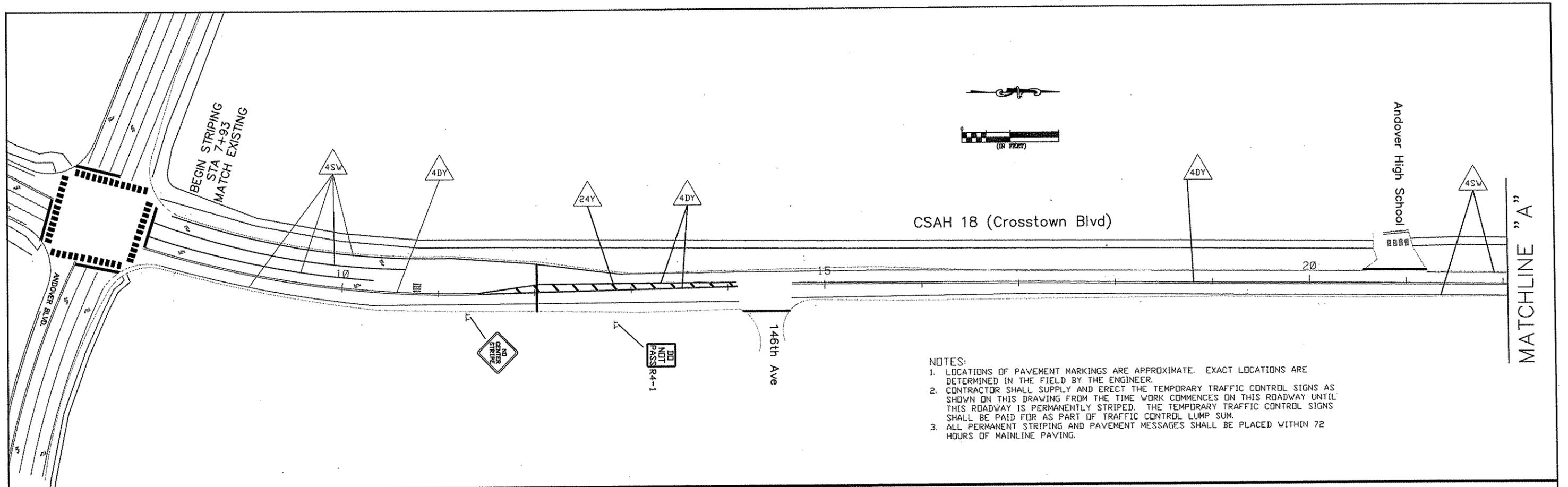
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 PRINT NAME: CHARLES CADENHEAD
 SIGNATURE: 
 DATE: 3/2/10 LICENSE NO. 40418

DRAWN BY CSO DATE 3/1/2010
 DESIGN BY CSO DATE 3/1/2010
 CHECKED BY CSO DATE 3/1/2010

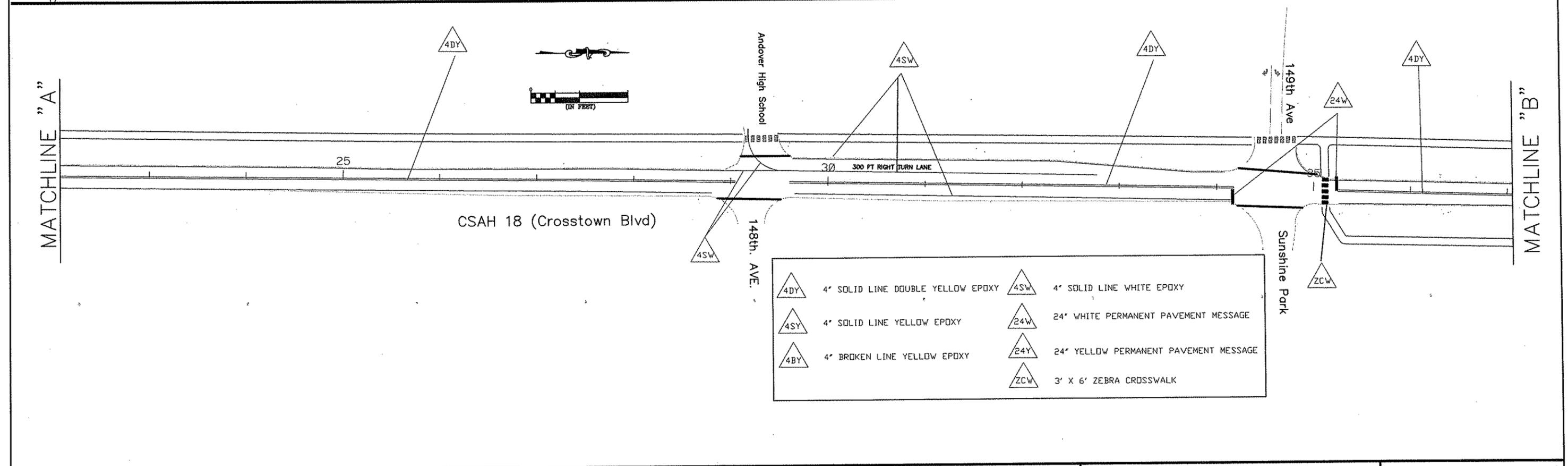


STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 10-22-18

SHEET TITLE
 STA 37+00 TO 50+26
 Sheet 6 of 8 Sheets



NOTES:
 1. LOCATIONS OF PAVEMENT MARKINGS ARE APPROXIMATE. EXACT LOCATIONS ARE DETERMINED IN THE FIELD BY THE ENGINEER.
 2. CONTRACTOR SHALL SUPPLY AND ERECT THE TEMPORARY TRAFFIC CONTROL SIGNS AS SHOWN ON THIS DRAWING FROM THE TIME WORK COMMENCES ON THIS ROADWAY UNTIL THIS ROADWAY IS PERMANENTLY STRIPED. THE TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE PAID FOR AS PART OF TRAFFIC CONTROL LUMP SUM.
 3. ALL PERMANENT STRIPING AND PAVEMENT MESSAGES SHALL BE PLACED WITHIN 72 HOURS OF MAINLINE PAVING.



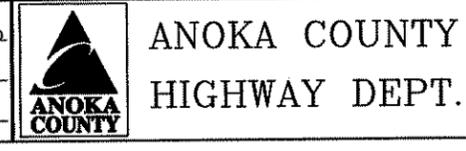
4DY	4' SOLID LINE DOUBLE YELLOW EPOXY	4SW	4' SOLID LINE WHITE EPOXY
4SY	4' SOLID LINE YELLOW EPOXY	24W	24' WHITE PERMANENT PAVEMENT MESSAGE
4BY	4' BROKEN LINE YELLOW EPOXY	24Y	24' YELLOW PERMANENT PAVEMENT MESSAGE
		ZCW	3' X 6' ZEBRA CROSSWALK

NO	DATE	BY	CKD	APPR	REVISION

NAME: T:\Traffic\dwg\CSAH 18 (Crosstown Blvd)\from CSAH 1 to East Cty Line.dwg

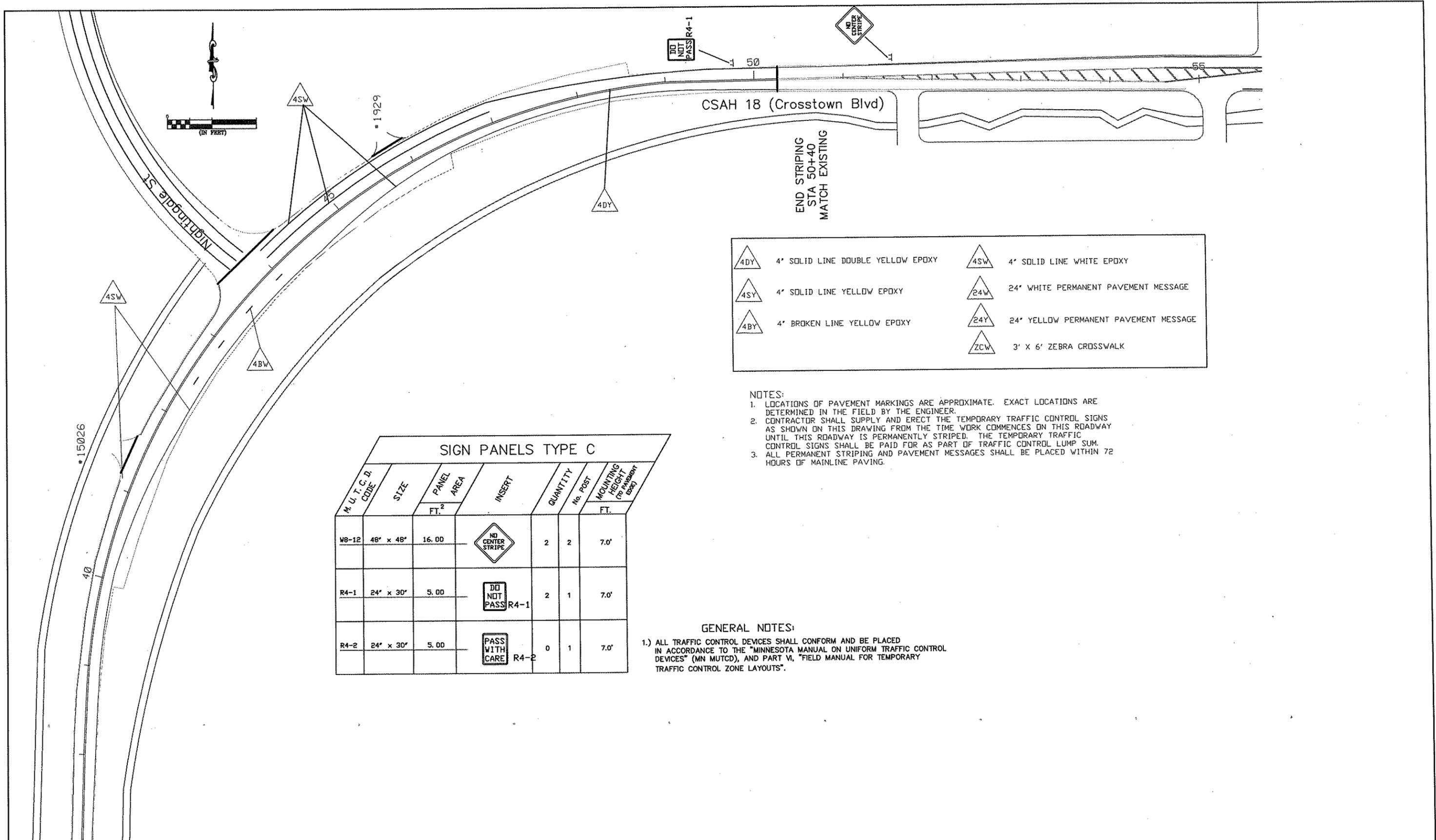
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 PRINT NAME: *Charles G. Anderson*
 SIGNATURE: *[Signature]*
 DATE: *3/20/10* LICENSE NO. *40416*

DRAWN BY: *MIH* DATE: *02/23/10*
 DESIGN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____



STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. *10-22-18*

CSAH 18 (CROSSTOWN BLVD)
 TEMPORARY SIGNING
 PERMANENT STRIPING
 AND PAVEMENT MESSAGES
 Sheet *7* of *8* Sheets



	4' SOLID LINE DOUBLE YELLOW EPOXY		4' SOLID LINE WHITE EPOXY
	4' SOLID LINE YELLOW EPOXY		24' WHITE PERMANENT PAVEMENT MESSAGE
	4' BROKEN LINE YELLOW EPOXY		24' YELLOW PERMANENT PAVEMENT MESSAGE
			3' X 6' ZEBRA CROSSWALK

- NOTES:
- LOCATIONS OF PAVEMENT MARKINGS ARE APPROXIMATE. EXACT LOCATIONS ARE DETERMINED IN THE FIELD BY THE ENGINEER.
 - CONTRACTOR SHALL SUPPLY AND ERECT THE TEMPORARY TRAFFIC CONTROL SIGNS AS SHOWN ON THIS DRAWING FROM THE TIME WORK COMMENCES ON THIS ROADWAY UNTIL THIS ROADWAY IS PERMANENTLY STRIPED. THE 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.

SIGN PANELS TYPE C						
M. U. T. C. D. CODE	SIZE	PANEL AREA FT. ²	INSERT	QUANTITY	No. POST	MOUNTING HEIGHT (to Panel Top) FT.
W8-12	48" x 48"	16.00		2	2	7.0'
R4-1	24" x 30"	5.00		2	1	7.0'
R4-2	24" x 30"	5.00		0	1	7.0'

GENERAL NOTES:
 1.) ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE PLACED IN ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD), AND PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".

MATCHLINE "B"

NO	DATE	BY	CKD	APPR	REVISION

NAME: T:\Traffic\dwg\CSAH 18 (Crosstown Blvd)\from CSAH 1 to East Cty Line.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 C. Anderson*
 SIGNATURE: *Charles C. Anderson*
 DATE: *3/26/10* LICENSE NO. *40486*

DRAWN BY: *MTH* DATE: *02/23/10*
 DESIGN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____

ANOKA COUNTY
HIGHWAY DEPT.

STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 10-22-18

CSAH 18 (CROSSTOWN BLVD)
 TEMPORARY SIGNING
 PERMANENT STRIPING
 AND PAVEMENT MESSAGES

Sheet 8 of 8 Sheets