

PLAN SYMBOLS

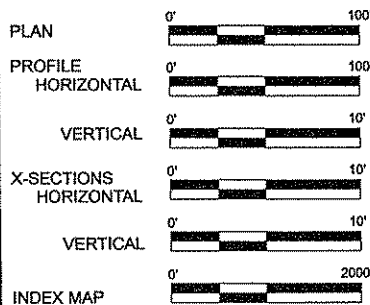
- COUNTY LINE _____
- TOWNSHIP OR RANGE LINE _____
- SECTION LINE _____
- QUARTER LINE _____
- SIXTEENTH LINE _____
- RIGHT OF WAY LINE _____
- SLOPE EASEMENT _____
- EXISTING RIGHT OF WAY _____
- PROPERTY LINE _____
- CORPORATE OR CITY LIMITS _____
- RETAINING WALL _____
- RAILROAD _____
- RAILROAD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

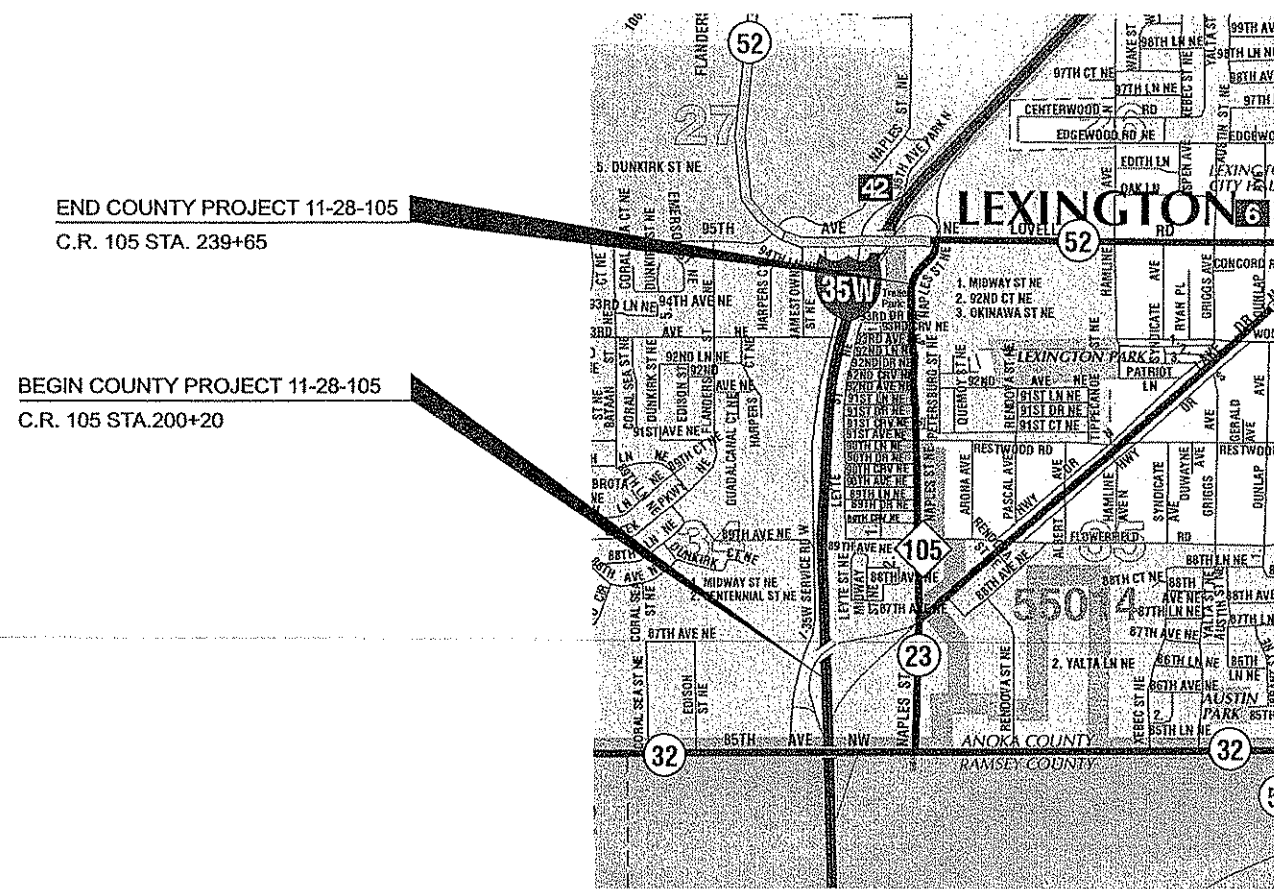
ANOKA COUNTY

CONSTRUCTION PLAN FOR RECLAIM, OVERLAY, & RC PIPE REPLACEMENT
 LOCATED ON C.R. 105 BETWEEN LAKE DRIVE (C.S.A.H.23) AND LOVELL ROAD

COUNTY PROJ. NO. 11-28-105
C.R. 105

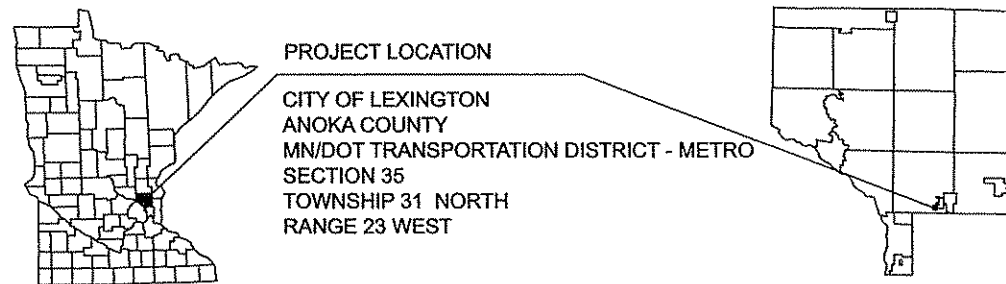
GROSS LENGTH	3945 FEET	0.747 MILES
BRIDGES-LENGTH	0.00 FEET	0.000 MILES
EXCEPTIONS-LENGTH	0.00 FEET	0.000 MILES
NET LENGTH	3945 FEET	0.747 MILES

CITY OF LEXINGTON



END COUNTY PROJECT 11-28-105
 C.R. 105 STA. 239+65

BEGIN COUNTY PROJECT 11-28-105
 C.R. 105 STA. 200+20



PROJECT LOCATION
 CITY OF LEXINGTON
 ANOKA COUNTY
 MN/DOT TRANSPORTATION DISTRICT - METRO
 SECTION 35
 TOWNSHIP 31 NORTH
 RANGE 23 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 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	CONSTRUCTION STAGING PLAN
9-10	SIGNING & STRIPING PLAN, TAB., & DETAILS

THIS PLAN CONTAINS 10 SHEETS
 DESIGN DESIGNATION

ESAL 20	_____
R VALUE	_____
ADT (2011) =	4343
Proj. ADT (2031) =	6080
Proj. HCAAT (2031) =	6080
Soil Factor	NA
10 TON DESIGN	

Functional Classification	MAJOR COLLECTOR		
No. of Traffic Lanes	2	No. of Parking Lanes	1
Design Speed	35	MPH	
Based on Stopping Sight Distance	N/A		
Height of eye	3.5'	Height of object	2.0'
Design Speed not achieved at:			
STA. _____ TO STA. _____	MPH _____		

Approved: ANOKA COUNTY ENGINEER 4/7/2011

NO.	DATE	BY	CHKD	APPR	REVISION

NAME: P:\11-01-00\CR_105 (Level Naples)\Plan\TITLE SHEET.dgn 04/06/2011 7:47:04 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: 4/7/11 LICENSE NO. 40416

DRAWN BY: CSO DATE: 4/1/2011
 DESIGN BY: CSO DATE: 4/1/2011
 CHECKED BY: JO DATE: _____

ANOKA COUNTY
HIGHWAY DEPT.

STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 11-28-105

TITLE SHEET

Sheet 1 of 10 Sheets

CR 105 STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	ITEM	NOTES	UNIT	TOTAL EST. QUANT.
2021.501	MOBILIZATION		LUMP SUM	1
2104.501	REMOVE SEWER PIPE (STORM)		LIN FT	154
2104.501	REMOVE CURB AND GUTTER		LIN FT	3519
2104.503	REMOVE CONCRETE DRIVEWAY PAVEMENT	9	SQ FT	639
2104.503	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	9	SQ FT	1298
2104.509	REMOVE CATCH BASIN		EACH	2
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)		LIN FT	76
2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)		LIN FT	116
2105.525	TOPSOIL BORROW (LV)	5	CU YD	83
2123.503	MOTOR GRADER	10	HOUR	30
2123.521	PNEUMATIC-TIRED ROLLER		HOUR	30
2130.501	WATER		M-GAL	52
2211.501	AGGREGATE BASE CLASS 5	8	TON	581
2221.501	AGGREGATE SHOULDERING CLASS 5	11	TON	109
2232.501	MILL BITUMINOUS SURFACE (2.0")		SQ YD	395
2331.604	BITUMINOUS PAVEMENT RECLIMATION	2	SQ YD	15396
2357.502	BITUMINOUS MATERIAL FOR TACK COAT		GAL	770
2360.501	TYPE SP 12.5 WEARING COURSE MIX (4,B)	1.9	TON	168
2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE(4,E)		TON	1770
2360.502	TYPE SP 12.5 NON-WEARING COURSE MIXTURE(4,B)		TON	1790
2501.515	15" RC PIPE APRON	3,13	EACH	3
2503.541	15" RC PIPE SEWER DES 3006	3	LIN FT	170
2504.602	ADJUST GATE VALVE		EACH	1
2506.501	CONST DRAINAGE STRUCTURE DESGN H	3	LIN FT	6
2506.501	CONST DRAINAGE STRUCTURE DES 48-4020	3	LIN FT	7
2506.503	RECONSTRUCT DRAINAGE STRUCTURE		LIN FT	6
2506.516	CASTING ASSEMBLY	15	EACH	8
2506.602	CONNECT INTO EXISTING CATCH BASIN		EACH	1
2511.501	RANDOM RIPRAP CLASS III	14	CU YD	9
2531.501	CONCTETE CURB AND GUTTER DESIGN B418		LIN FT	3519
2531.507	6" CONCRETE DRIVEWAY PAVEMENT	12	SQ YD	71
2540.602	INSTALL MAIL BOX SUPPORTS		EACH	14
2563.601	TRAFFIC CONTROL	3	LUMP SUM	1
2573.530	STORM DRAIN INLET PROTECTION		EACH	5
2575.523	EROSION CONTROL BLANKET CATEGORY 3		SQ YD	1564
2581.501	REMOVABLE PREFORMED PLASTIC MARKING	6	LIN FT	316
2582.502	4" SOLID LINE WHITE-EPOXY	7	LIN FT	6856
2582.502	4" SOLID LINE YELLOW - EPOXY	7	LIN FT	904
2582.502	4" BROKEN YELLOW LINE-EPOXY	7	LIN FT	790
2582.502	4" DOUBLE SOLID LINE YELLOW-EPOXY	7	LIN FT	38

- NOTES:
- USED FOR PAVING DRIVEWAYS AND STREET APPROACHES
 - ITEM INCLUDES THE REMOVAL OF BITUMINOUS CURB
 - ALL TRAFFIC CONTROL DEVICES AND METHODS SHALL CONFORM TO THE 2011 FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS
 - DO NOT PASS, PASS WITH CARE, NO CENTERLINE STRIPE, BUMP AND BUMP AHEAD SIGNS TO BE INPLACE AT THE START OF RECLAIM AND OVERLAY OPERATIONS
 - ITEM FOR BACK FILLING CONCRETE CURB AND GUTTER B418
 - SHALL BE PLACED AFTER EACH DAYS PAVING OPERATION
 - SHALL BE INSTALLED WITHIN 72 HOURS OF COMPLTION OF MAINLINE WEAR COURSE PAVING
 - ITEM INCLUDES ADDING CLASS 5 TO MAINLINE AT 224+00 TO 235+00 (FOR BRING CLASS 5 TO GRADE PRIOR TO PAVING BASE COURSE)
 - CONTRACTORS RESPONSIBILITY TO CONTACT OWNER 48 HOURS BEFORE STARTING OPERATION
 - INCLUDES TIME TO REMOVE EXCESS RECLAIMED MATERIAL AT BEGINNING AND END OF RECLAIM AREAS TO MATCH EXISTING BITUMINOUS HEIGHT
 - MATERIAL FOR FINISHED GRAVEL SHOULDERS AND GRAVEL ENTRANCES
 - ITEM SHALL BE HIGH EARLY CONCRETE
 - ITEM INCLUDES TRASH GUARD FOR 15" PIPE APRON
 - ITEM INSTALLED AT 15" RC PIPE APRON LOCATION
 - FURNISH AND INSTALL

BASIS OF PLANNED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	.05 GAL / SQ YD
2360.501	TYPE SP 12.5 WEARING COURSE MIX (4, E)	115/SQ.YD./IN THICKNESS
2361.502	TYPE SP 12.5 NON-WEARING COURSE MIX (4, B)	115/SQ.YD./IN THICKNESS
2211.501	AGGREGATE BASE CLASS 5	CU YDS * 1.8 = TONS
2221.501	AGGREGATE SHOULDERING CLASS 5	CU YDS * 1.8 = TONS
2581.501	REMOVABLE PREFORMED PLASTIC MARKING	2' AT 50' INTERVALS FOR SKIPS

ASSEMBLY	SCHEDULE OF CASTING					REMARKS
	FRAME	COVER	CURB BOX	PLATE	QTY.	
A-7	700-7			4101	4	MAN HOLES
		716		4110		
B-17	802			4129	4	CATCH BASINS
		811		4151		
			823	4160		

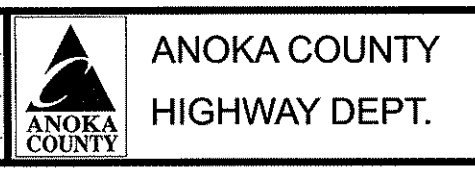
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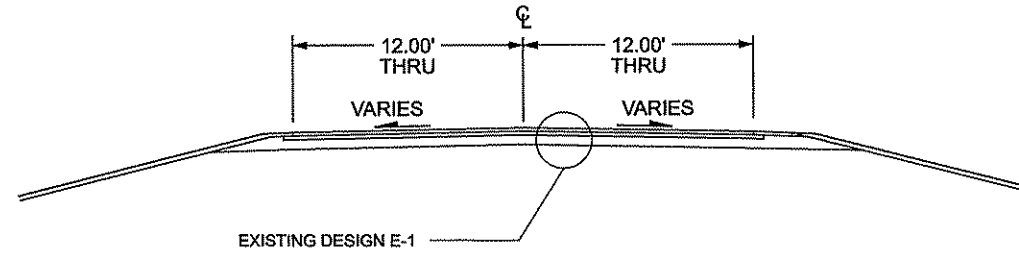
PRINT NAME: CHARLES CADENHEAD
 SIGNATURE: *[Signature]*
 DATE: 4/7/11 LICENSE NO. 40416

DRAWN BY: CSO DATE: 4/1/2011
 DESIGN BY: CSO DATE: 4/1/2011
 CHECKED BY: JO DATE: _____

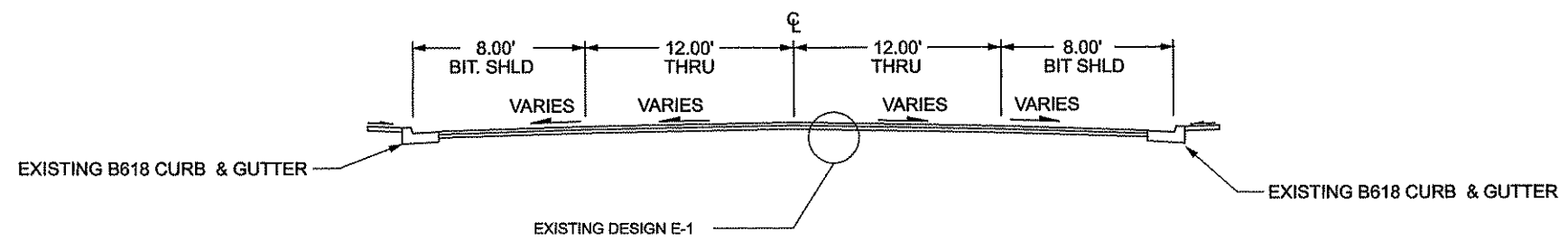


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 COUNTY PROJECT NO. 11-28-105

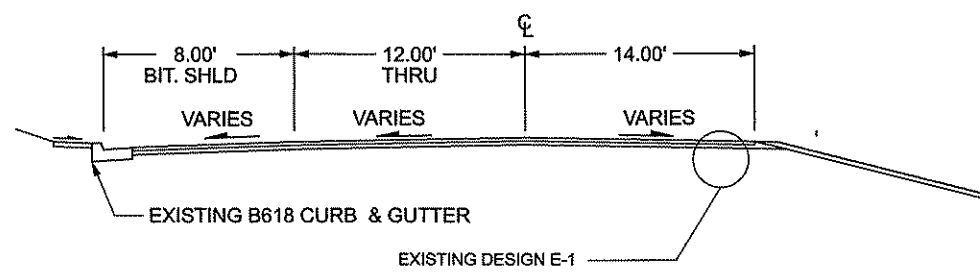
C.R. 105
EXISTING TYPICAL SECTION
 STA. 200+20 - STA. 205+16
 STA. 234+75 - STA. 239+65



C.R. 105
EXISTING CURB SECTION
 STA. 206+00 - STA.218+60

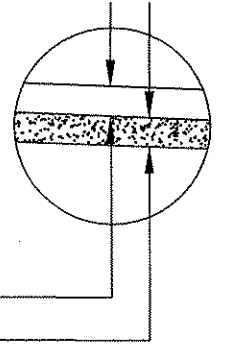


C.R. 105
PROPOSED ROAD WITH B618 CURB AND GUTTER
 STA. 205+16 - STA. 206+00
 STA. 218+60 - STA. 234+75



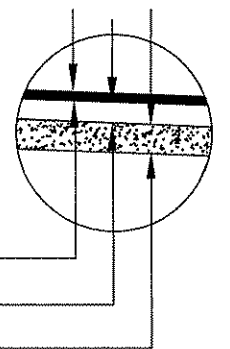
EXISTING DESIGN E-1

EXISTING BITUMINOUS VARIES 3.75" -5"
 CLASS 5 BASE 6"



PROPOSED DESIGN F-1

2.0" TYPE SP 12.5 WEARING COURSE (SPWEB440E)
 2.0" TYPE 12.5 SP NON WEAR (4,B)
 SPNWB430B BITUMINOUS MIX
 RECLAIM GRAVEL BASE



GENERAL NOTES:

- ALL CROSS SLOPES ARE APPROXIMATE
- UNLESS OTHERWISE SPECIFIED, THE CLASS 5 CROSS SLOPES SHALL BE THE SAME AS THE FINISHED SURFACE OF THE MAINLINE.

NO	DATE	BY	CKD	APPR	REVISION

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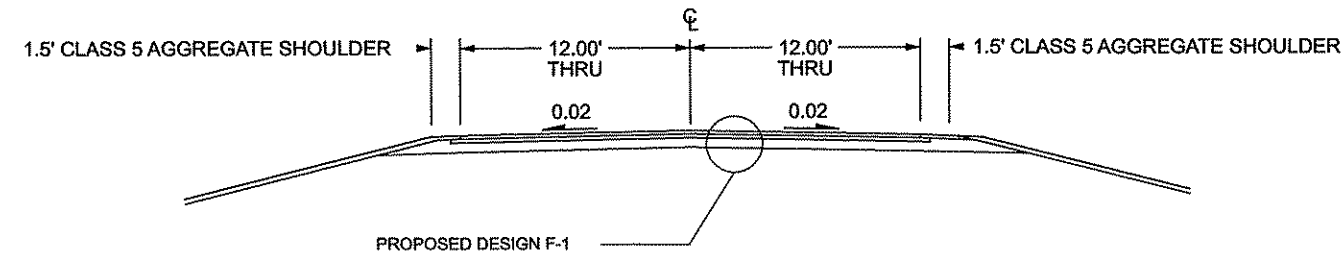
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 PRINT NAME: CHARLES GADENHEAD
 SIGNATURE: *[Signature]*
 DATE: 4/7/11 LICENSE NO. 49916

DRAWN BY CSO DATE 4/1/2011
 DESIGN BY CSO DATE 4/1/2011
 CHECKED BY JO DATE

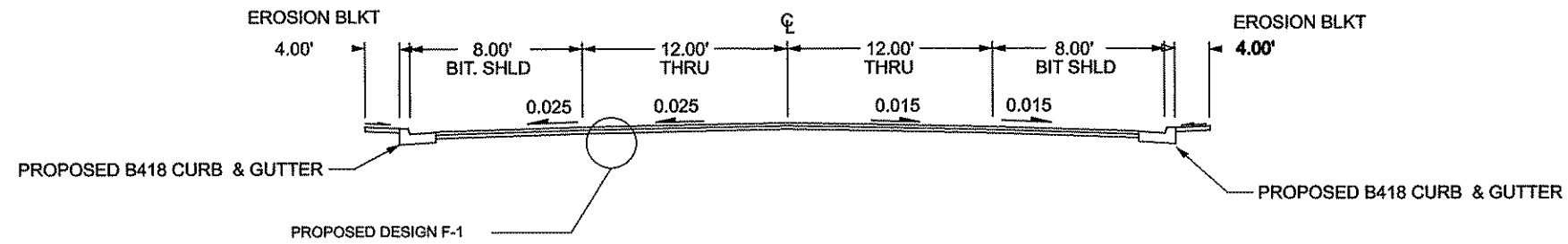
ANOKA COUNTY
HIGHWAY DEPT.

STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 11-28-105

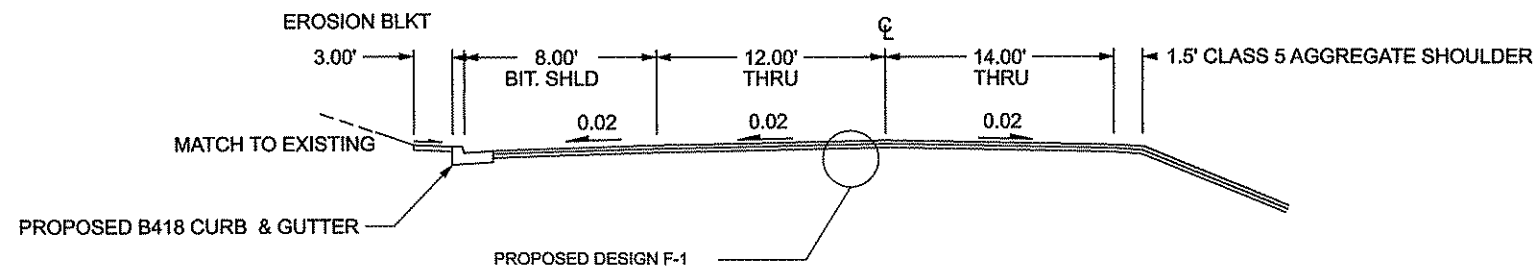
C.R. 105
EXISTING TYPICAL SECTION
 STA. 200+20 - STA. 205+16
 STA. 234+75 - STA. 239+65



C.R. 105
EXISTING CURB SECTION
 STA. 206+00 - STA. 218+60



C.R. 105
PROPOSED ROAD WITH B618 CURB AND GUTTER
 STA. 205+16 - STA. 206+00
 STA. 218+60 - STA. 234+75



NO	DATE	BY	CHKD	APPR	REVISION

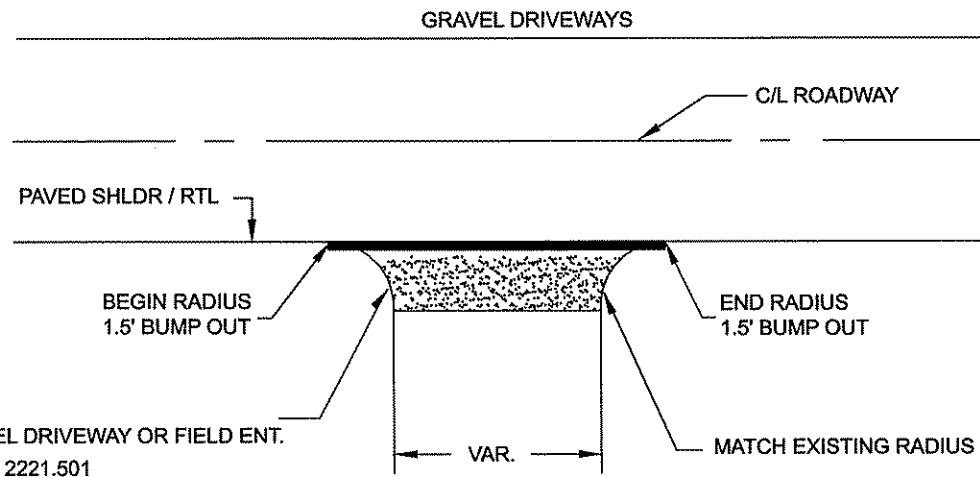
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 PRINT NAME: CHARLES CADENHEAD
 SIGNATURE: *[Signature]*
 DATE: *[Date]* LICENSE NO. 40416

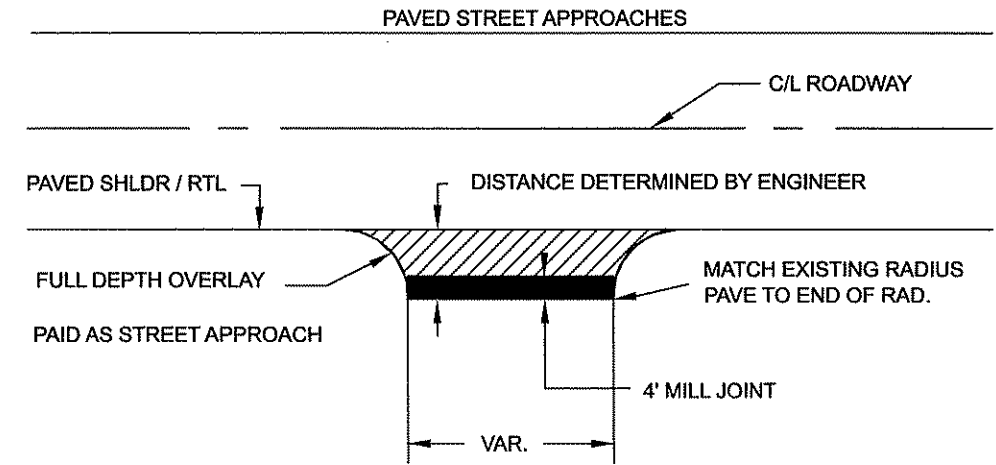
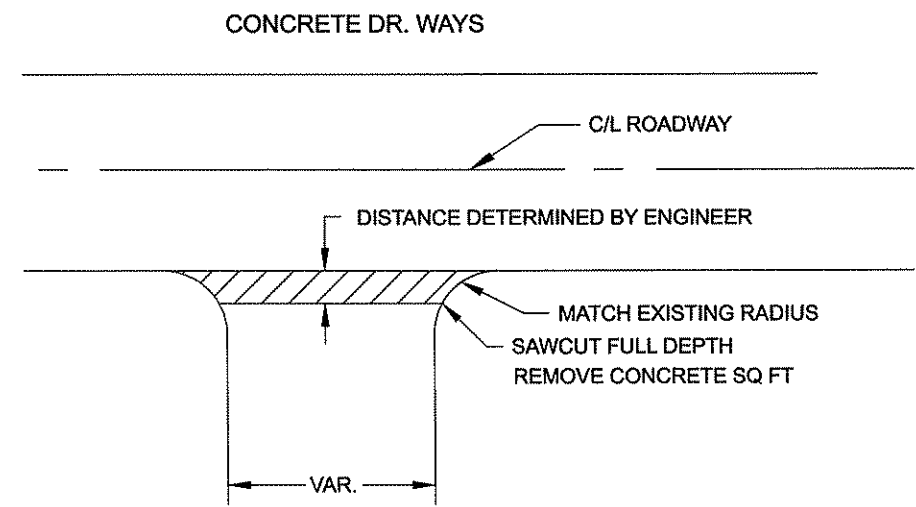
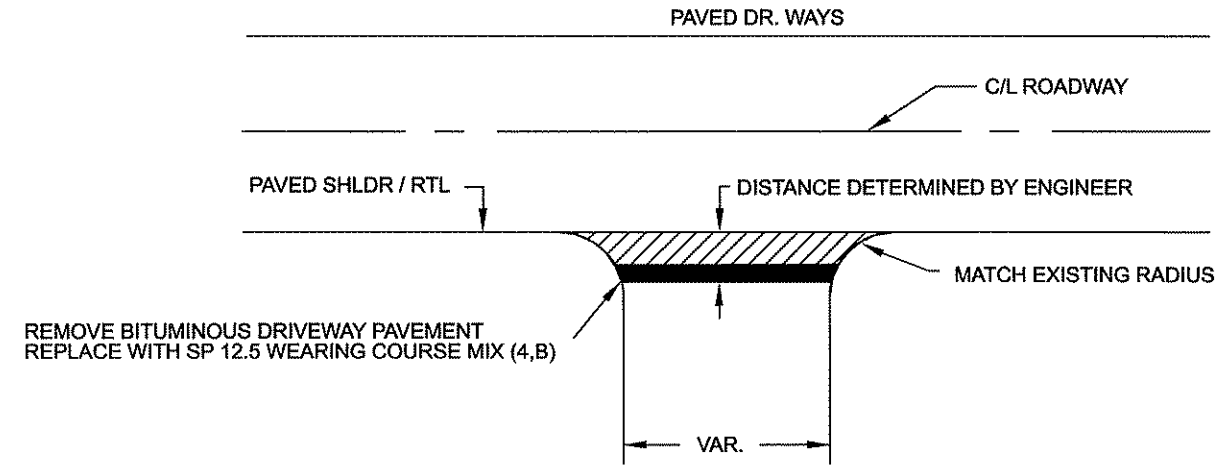
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 DESIGN BY: CSO DATE: 4/1/2011
 CHECKED BY: JO DATE:



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 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 11-28-105



5 TON CL 5 PER GRAVEL DRIVEWAY OR FIELD ENT.
 PAID FOR AS ITEM NO. 2221.501
 AGGREGATE SHOULDERING CL 5 (TON)



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

NO	DATE	BY	CKD	APPR	REVISION
NAME: P:111-01-001/CR_105_Level_Naples/PlanDetails.dgn					
04/05/2011 9:40:08 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: 4/7/11 LICENSE NO. #40416

DRAWN BY: CSO DATE: 4/1/2011

DESIGN BY: CSO DATE: 4/1/2011

CHECKED BY: JO DATE: _____



STATE PROJECT NO. _____

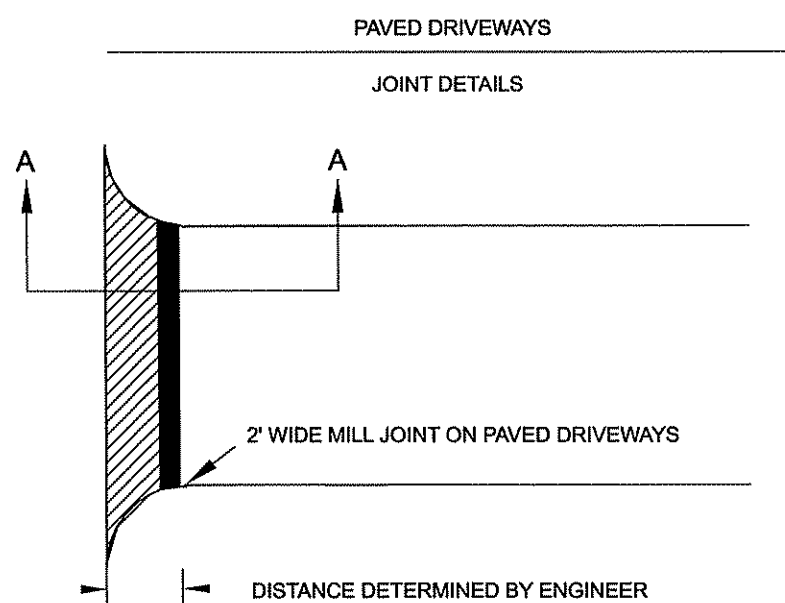
STATE AID PROJECT NO. _____

CITY PROJECT NO. _____

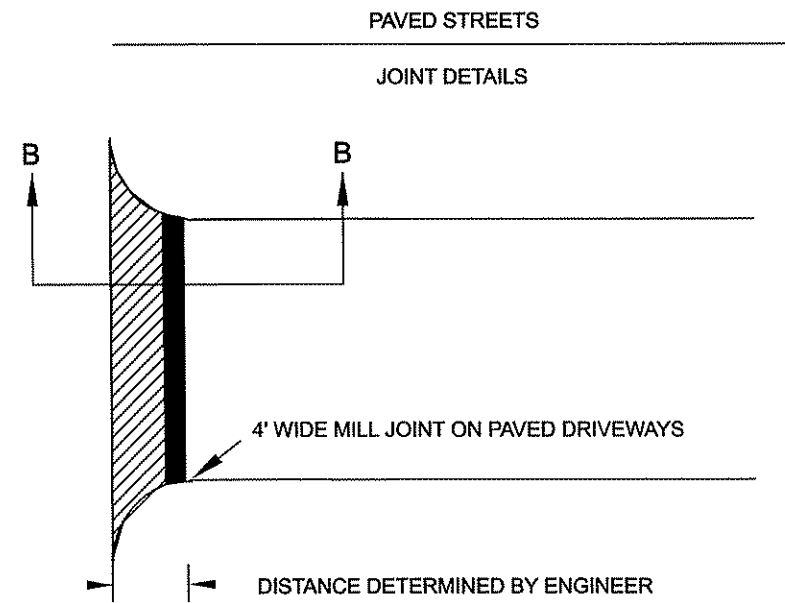
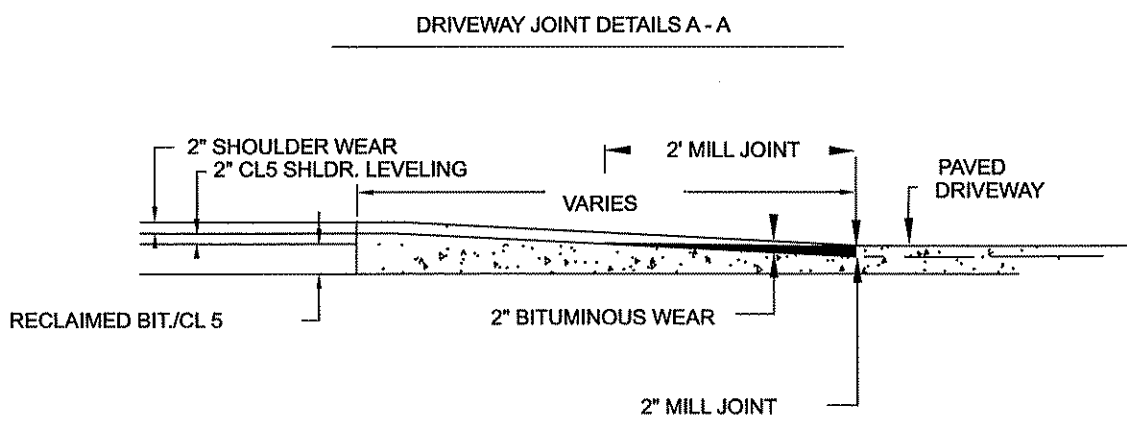
COUNTY PROJECT NO. 11-28-105

MISCELLANEOUS DETAILS

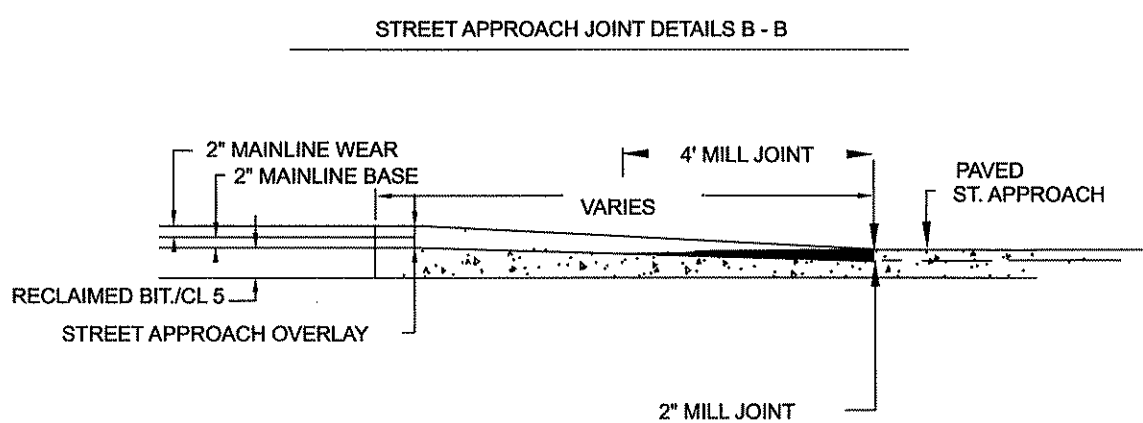
Sheet 5 of 10 Sheets



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



NO	DATE	BY	CKD	APPR	REVISION

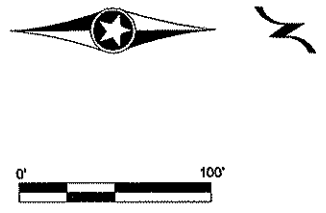
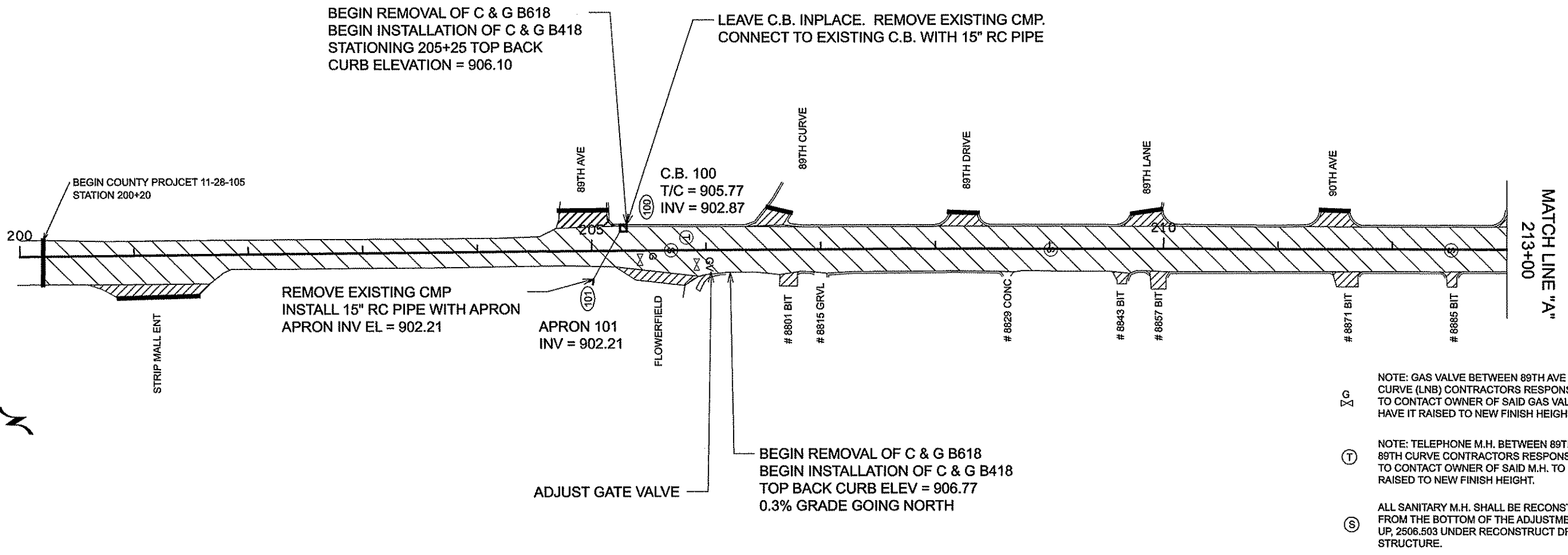
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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
PRINT NAME: CHARLES CADENHEAD
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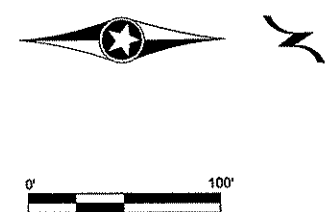
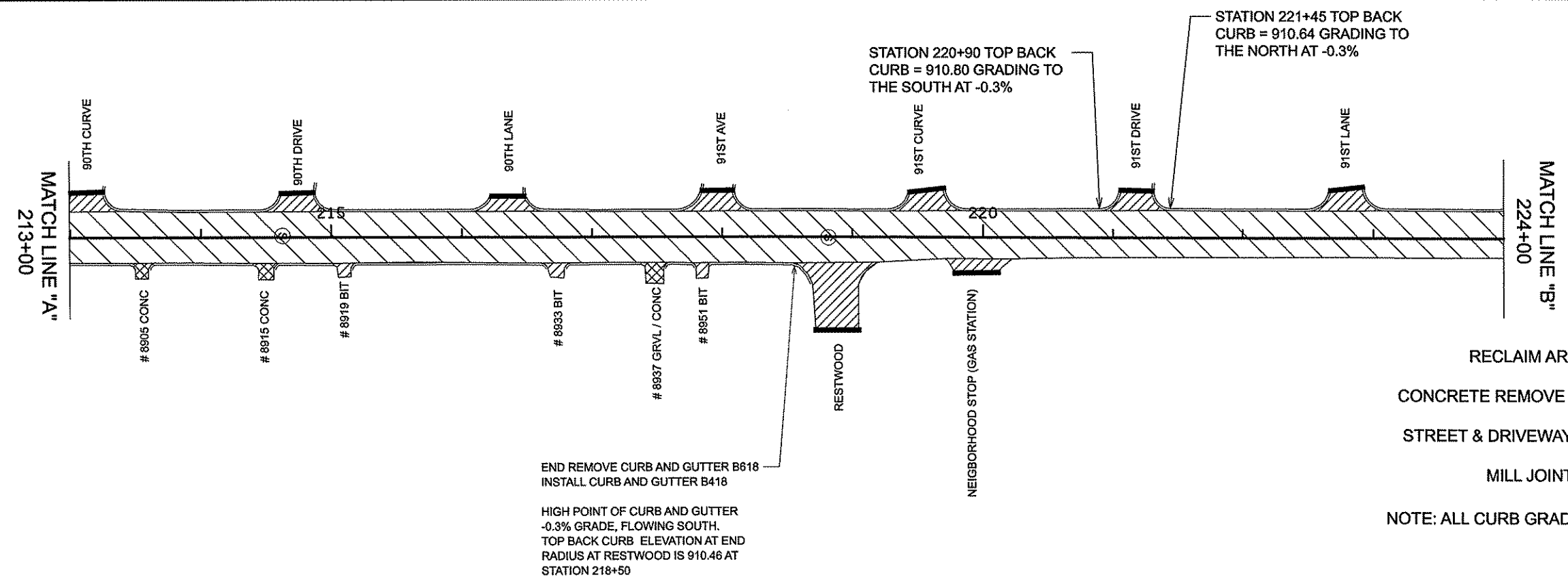
STATE PROJECT NO. _____
STATE AID PROJECT NO. _____
CITY PROJECT NO. _____
COUNTY PROJECT NO. 11-28-105



NOTE: GAS VALVE BETWEEN 89TH AVE & 89TH CURVE (LNB) CONTRACTORS RESPONSIBILITY TO CONTACT OWNER OF SAID GAS VALVE TO HAVE IT RAISED TO NEW FINISH HEIGHT.

NOTE: TELEPHONE M.H. BETWEEN 89TH AVE & 89TH CURVE CONTRACTORS RESPONSIBILITY TO CONTACT OWNER OF SAID M.H. TO HAVE IT RAISED TO NEW FINISH HEIGHT.

ALL SANITARY M.H. SHALL BE RECONSTRUCTED FROM THE BOTTOM OF THE ADJUSTMENT RINGS UP, 2506.503 UNDER RECONSTRUCT DRAINAGE STRUCTURE.



RECLAIM AREA

CONCRETE REMOVE & REPLACE

STREET & DRIVEWAY OVERLAY

MILL JOINT

NOTE: ALL CURB GRADES ARE 0.3 %

NO	DATE	BY	CHKD	APPR	REVISION

NAME: P:\11-01-00\CR_105_(Level_Naples)\Plan\CONSRT_PLAN.dgn 04/05/2011 2:58:02 PM

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

PRINT NAME: CHARLES CADENHEAD

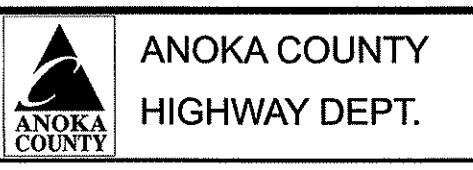
SIGNATURE: *[Signature]*

DATE: 4/7/11 LICENSE NO. 40416

DRAWN BY: CSO DATE: 4/1/2011

DESIGN BY: CSO DATE: 4/1/2011

CHECKED BY: JO DATE:



STATE PROJECT NO. _____

STATE AID PROJECT NO. _____

CITY PROJECT NO. _____

COUNTY PROJECT NO. 11-28-105

CONSTRUCTION PLAN

STA 200+20 TO 224+00

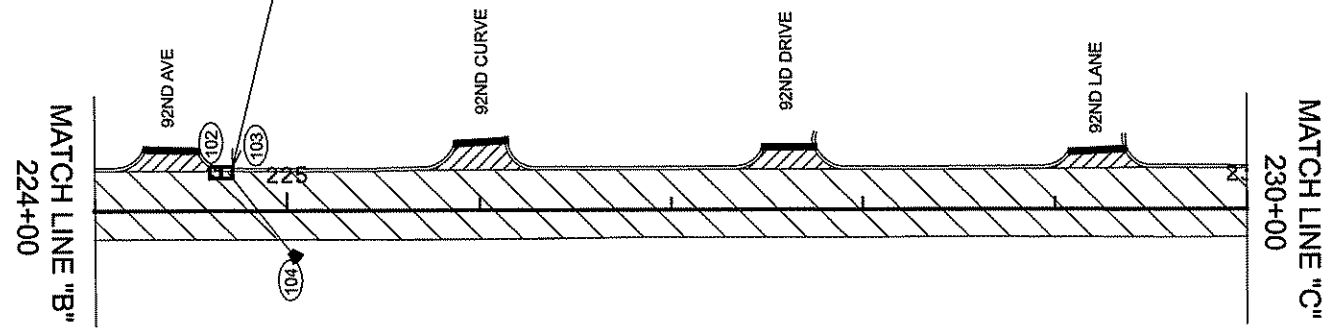
Sheet 7 of 10 Sheets



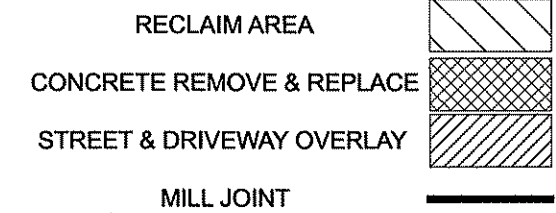
C.B. 102 (H STR)
T/C = 909.34
INV = 906.48

C.B. 103 (48-4020 STR)
T/C = 909.33
INV = 906.23

REMOVE EXISTING C.B. & 58' OF PIPE
INSTALL DRAINAGE STRUCTURE H (2.75' HT)
INSTALL DRAINAGE STRUCTURE 48" 4020 (3.0' HT)
INSTALL 58' RC PIPE WITH APRON



APRON 104
INV = 906.00



NOTE: ALL CURB GRADES ARE 0.3 %

- NOTE: GAS VALVE BETWEEN 89TH AVE & 89TH CURVE (LNB) CONTRACTORS RESPONSIBILITY TO CONTACT OWNER OF SAID GAS VALVE TO HAVE IT RAISED TO NEW FINISH HEIGHT.
- NOTE: TELEPHONE M.H. BETWEEN 89TH AVE & 89TH CURVE CONTRACTORS RESPONSIBILITY TO CONTACT OWNER OF SAID M.H. TO HAVE IT RAISED TO NEW FINISH HEIGHT.
- ALL SANITARY M.H. SHALL BE RECONSTRUCTED FROM THE BOTTOM OF THE ADJUSTMENT RINGS UP, 2506.503 UNDER RECONSTRUCT DRAINAGE STRUCTURE.

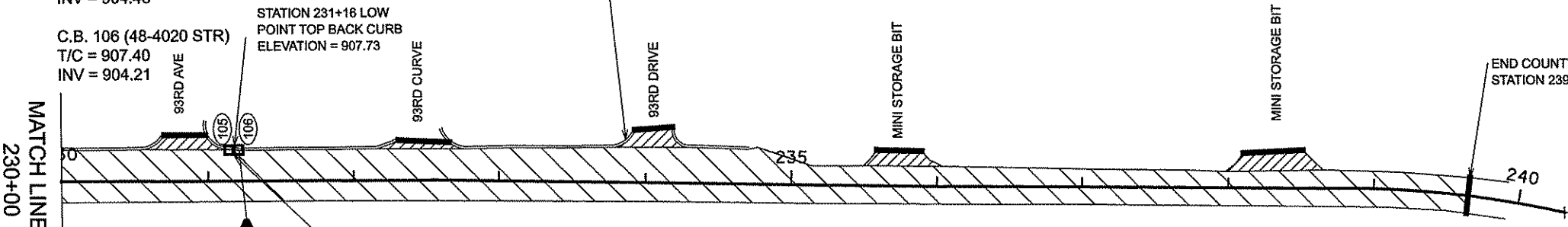


C.B. 105 (H STR)
T/C = 907.41
INV = 904.46

C.B. 106 (48-4020 STR)
T/C = 907.40
INV = 904.21

END REMOVAL OF C & G B618
END INSTALLATION OF C & G B418
TOP BACK CURB ELEV 908.54
STATION 233+80 -0.3% FLOWING SOUTH

STATION 231+16 LOW POINT TOP BACK CURB ELEVATION = 907.73



APRON 104
INV = 906.00

REMOVE EXISTING C.B. & 46' OF PIPE
INSTALL DRAINAGE STRUCTURE H (2.75' HT)
INSTALL DRAINAGE STRUCTURE 48" 4020 (3.0' HT)
INSTALL 46' RC PIPE WITH APRON

NO	DATE	BY	CKD	APPR	REVISION

NAME: P:\11-01-00\CR_105 (Level Naples)\Plan\CONSRT_PLAN.dgn 04/05/2011 2:56:52 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

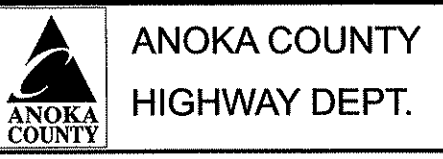
SIGNATURE: *[Signature]*

DATE: 4/5/11 LICENSE NO. 40416

DRAWN BY: CSO DATE: 4/1/2011

DESIGN BY: CSO DATE: 4/1/2011

CHECKED BY: JO DATE:



STATE PROJECT NO. _____

STATE AID PROJECT NO. _____

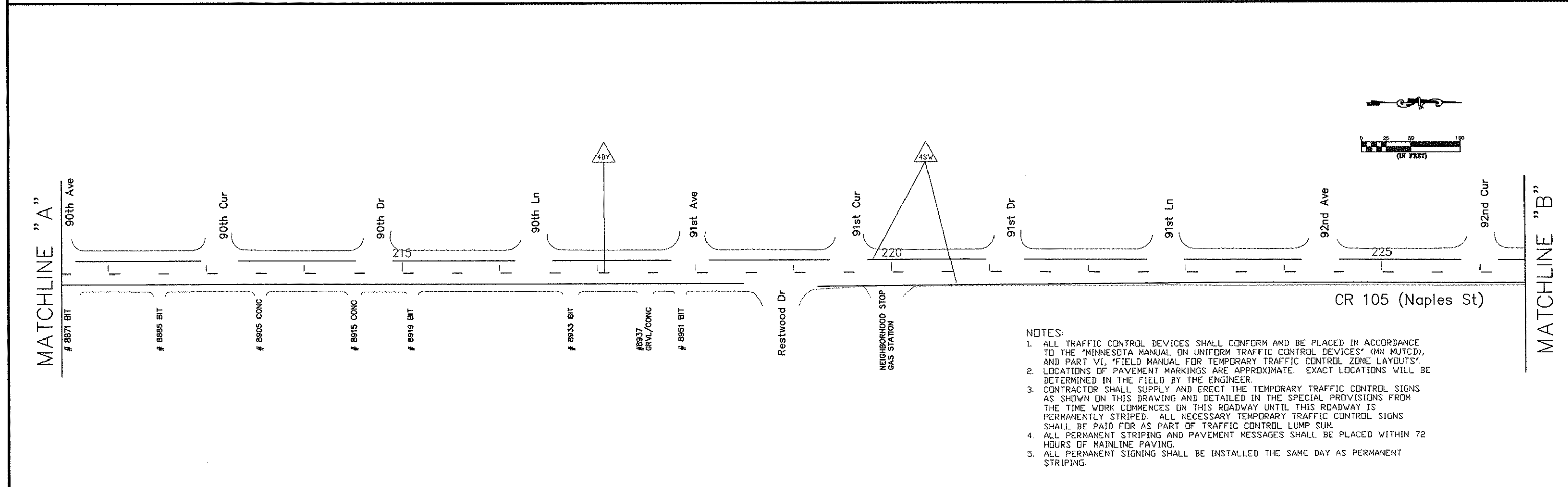
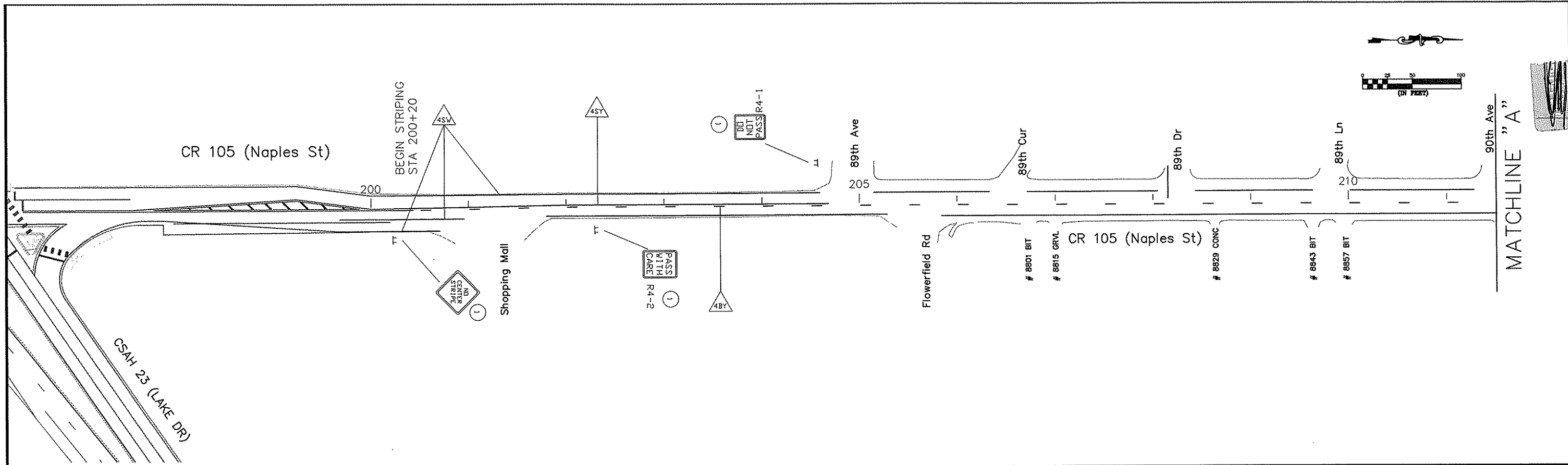
CITY PROJECT NO. _____

COUNTY PROJECT NO. 11-28-105

CONSTRUCTION PLAN

STA 224+00 TO 239+65

Sheet 8 of 10 Sheets



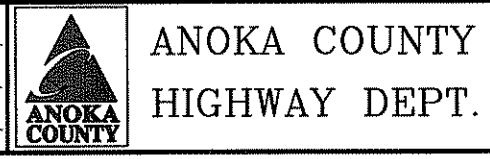
- NOTES:
1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE PLACED IN ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD), AND PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".
 2. LOCATIONS OF PAVEMENT MARKINGS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 3. 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.
 4. ALL PERMANENT STRIPING AND PAVEMENT MESSAGES SHALL BE PLACED WITHIN 72 HOURS OF MAINLINE PAVING.
 5. ALL PERMANENT SIGNING SHALL BE INSTALLED THE SAME DAY AS PERMANENT STRIPING.

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 BADENHEAD
 SIGNATURE: *[Signature]*
 DATE: 3/25/11 LICENSE NO. 40416

DRAWN BY: MTH DATE 3/25/11
 DESIGN BY: MTH DATE 3/25/11
 CHECKED BY: JR DATE 3/31/11

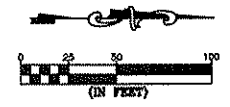
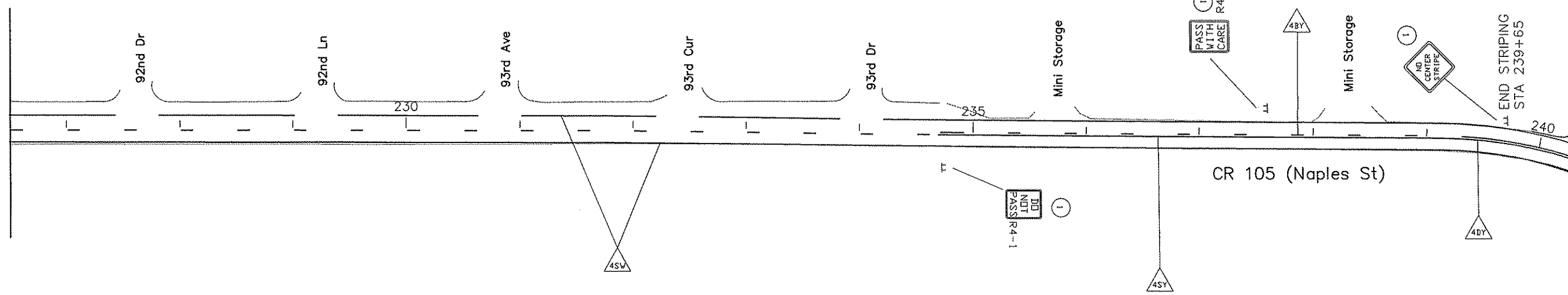


STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 11-28-105

CR 105 (NAPLES ST)
 TEMPORARY SIGNING
 PERMANENT STRIPING
 AND PAVEMENT MESSAGES

Sheet 09 of 10 Sheets

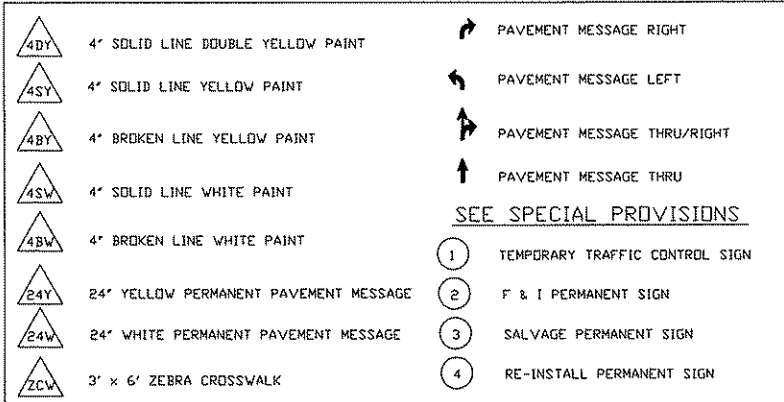
MATCHLINE "B"



Item	Quantity	Units
4" Double Yellow Striping	38	Lin Ft
4" Solid Yellow Striping	904	Lin Ft
4" Broken Yellow Striping	790	Lin Ft
4" Solid White Striping	6856	Lin Ft
4" Broken White Striping	0	Lin Ft
24" Yellow Thermoplastic	0	Lin Ft
24" White Thermoplastic	0	Lin Ft
3'x6' Zebra Crosswalk Thermoplastic	0	SQ.FT
Right Turn Arrow Thermoplastic	0	Each
Left Turn Arrow Thermoplastic	0	Each
Thru/Right Turn Arrow Thermoplastic	0	Each
Thru Arrow Thermoplastic	0	Each

TEMPORARY TRAFFIC CONTROL SIGNS						
M. U. T. C. D. CODE	SIZE	PANEL AREA FT. ²	INSERT	QUANTITY		MOUNTING HEIGHT (TO Pavement Edge) FT.
				No.	POST	
WB-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		2	1	7.0'
WB-1A	48" x 48"	16.00		AS NEEDED		
WB-1A	48" x 48"	16.00		AS NEEDED		
WB-8	48" x 48"	16.00		AS NEEDED		
WB-11	48" x 48"	16.00		AS NEEDED		

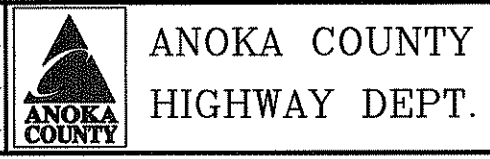
NOTES:
 1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE PLACED IN ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD), AND PART VI, "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".
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 3. CONTRACTOR SHALL SUPPLY 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.
 4. ALL PERMANENT STRIPING AND PAVEMENT MESSAGES SHALL BE PLACED WITHIN 72 HOURS OF MAINLINE PAVING.
 5. ALL PERMANENT SIGNING SHALL BE INSTALLED THE SAME DAY AS PERMANENT STRIPING.



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 GADENHEAD
 SIGNATURE: *[Signature]*
 DATE: 4/27/11 LICENSE NO. 40416

DRAWN BY: MTH DATE 3/25/11
 DESIGN BY: MTH DATE 3/25/11
 CHECKED BY: JR DATE 3/31/11



STATE PROJECT NO. _____
 STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 COUNTY PROJECT NO. 11-28-105

CR 105 (NAPLES STREET) TEMPORARY SIGNING PERMANENT STRIPING AND PAVEMENT MESSAGES
 Sheet 10 of 10 Sheets