

MINNESOTA DEPARTMENT OF TRANSPORTATION

THE CITY OF COON RAPIDS ANOKA COUNTY

CONSTRUCTION PLAN FOR RIVERDALE COMMONS - ROADWAY & STORM SEWER IMPROVEMENTS

MINN. PROJ. NO. _____
 MINN. PROJ. NO. _____

GOVERNING SPECIFICATIONS

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND "SUPPLEMENTAL SPECIFICATIONS TO THE 1988 STANDARD SPECIFICATIONS FOR CONSTRUCTION", DATED MAY 2, 1994, SHALL GOVERN. ALL TRAFFIC CONTROL SIGNING AND DEVICES SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS - APRIL 1995".

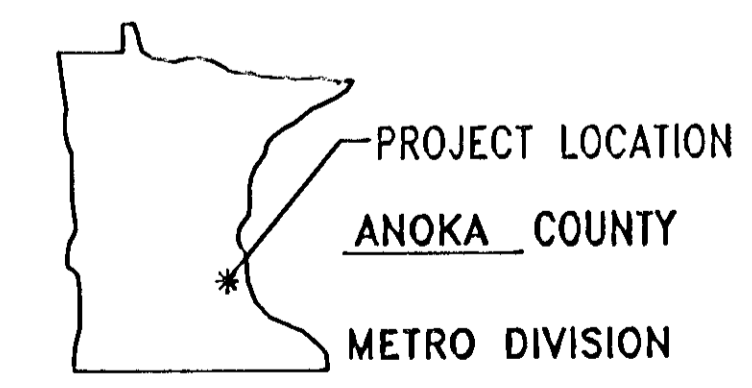
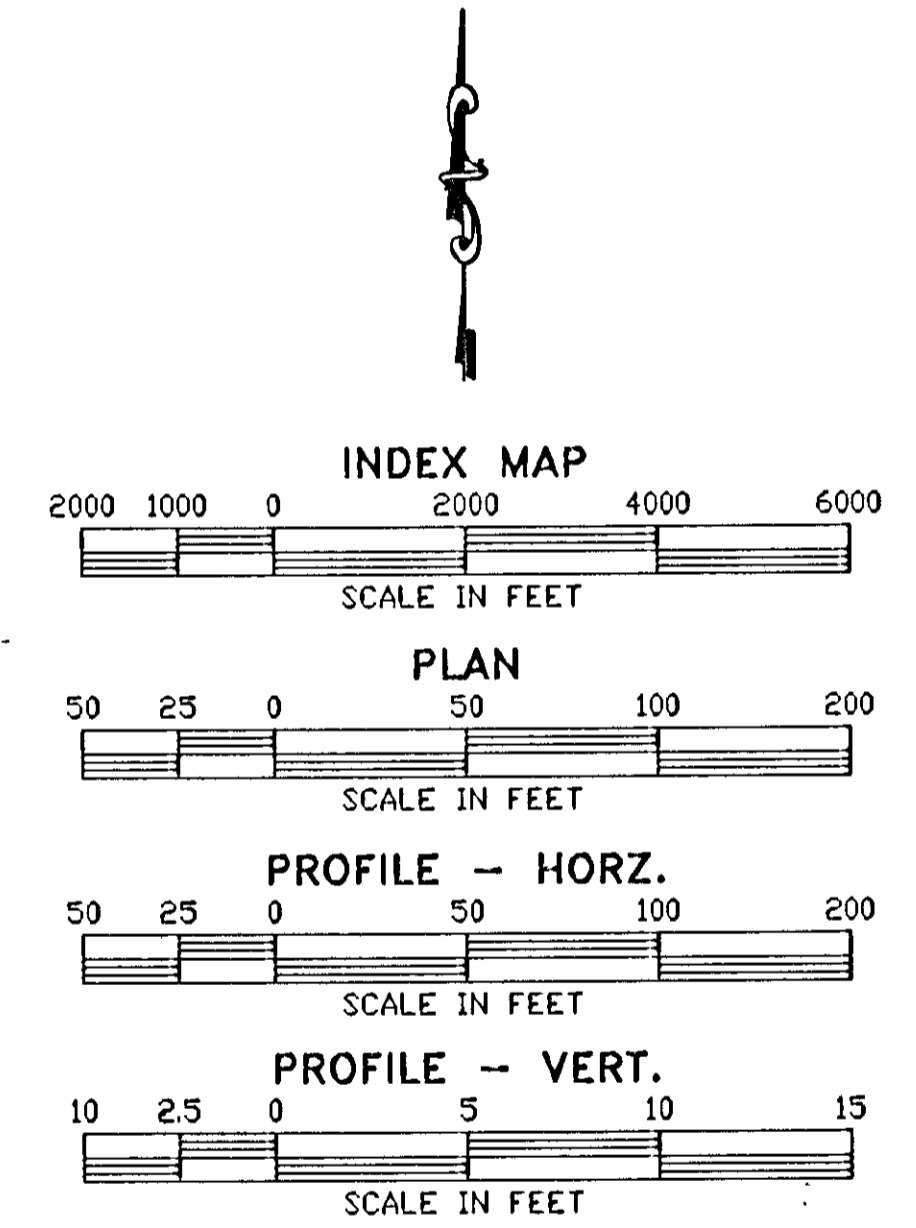
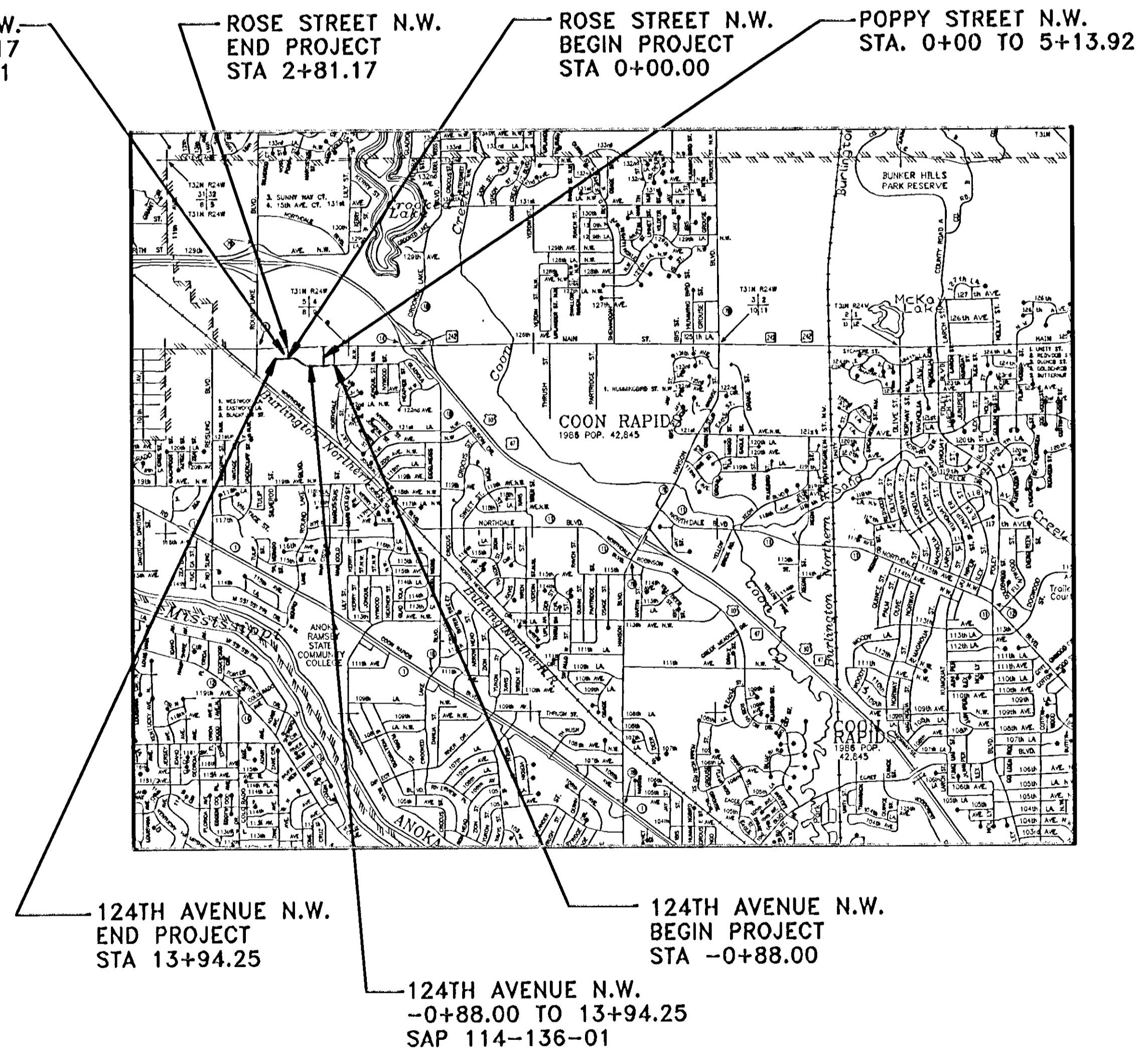
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	TABULATED QUANTITIES
4	TYPICAL SECTIONS
5	DETAIL SHEET
6	EROSION CONTROL AND SITE PLAN
7-9	PLAN & PROFILE
10	SIGNING & STRIPING

LOCATED ON 124TH AVENUE N.W. BETWEEN NARCISSUS STREET N.W. AND ROSE STREET N.W. (Geographic Description)
 LOCATED ON ROSE STREET N.W. BETWEEN 124TH AVENUE N.W. AND MAIN STREET (C.S.A.H. 14) (Geographic Description)
 LOCATED ON POPPY STREET N.W. BETWEEN 124TH AVENUE N.W. AND MAIN STREET (C.S.A.H. 14) (Geographic Description)

CITY IMPROVEMENT PROJ. NO. 95-29

<p style="text-align: center;">124TH AVENUE N.W.</p> <p>STATE AID PROJ. NO. <u>114-136-01</u></p> <p>GROSS-LENGTH <u>1,482.25</u> FEET <u>0.281</u> MILES BRIDGE-LENGTH <u>0</u> FEET <u>0</u> MILES EXCEPTIONS-LENGTH <u>0</u> FEET <u>0</u> MILES NET-LENGTH <u>1,482.25</u> FEET <u>0.281</u> MILES</p>	<p style="text-align: center;">ROSE STREET N.W.</p> <p>STATE AID PROJ. NO. <u>114-136-01</u></p> <p>GROSS-LENGTH <u>281.17</u> FEET <u>0.054</u> MILES BRIDGE-LENGTH <u>0</u> FEET <u>0</u> MILES EXCEPTIONS-LENGTH <u>0</u> FEET <u>0</u> MILES NET-LENGTH <u>281.17</u> FEET <u>0.054</u> MILES</p>
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- LEGEND**
- GV EXISTING GATE VALVE
 - HYD. EXISTING HYDRANT
 - CS EXISTING CURB BOX
 - SAN STM EXISTING MANHOLE, FOR STORM AND SANITARY SEWER
 - MH CB EXISTING CATCH BASIN
 - P.P. EXISTING POWER POLE
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATERMAIN
 - EXISTING CURB AND GUTTER
 - EXISTING UNDERGROUND GAS MAIN
 - EXISTING UNDERGROUND TELEPHONE LINE
 - EXISTING UNDERGROUND POWER
 - EXISTING OVERHEAD POWER
 - EXISTING FENCE
 - EXISTING TREE
 - EXISTING TREE LINE
 - EXISTING STREET SIGN
 - EXISTING CONTOUR
 - 900 PROPOSED CONTOUR
 - 23-30-26-11-0070 PIN NUMBER
 - PROPOSED REDUCER
 - PROPOSED TEE
 - PROPOSED GATE VALVE
 - PROPOSED HYDRANT
 - MH PROPOSED MANHOLE, FOR STORM AND SANITARY SEWER
 - CB PROPOSED CATCH BASIN
 - PROPOSED WATERMAIN
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - PROPOSED CURB AND GUTTER



THIS PLAN SET CONTAINS 10 SHEETS



B R W INC.
 Thresher Square, 700 Third Street So.
 Minneapolis, MN 55415, Phone 612/370-0700, Fax 612/370-1378

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.

BRW, INC.
 DATE _____ REG. NO. 23197
 ENGINEER _____
 3193A00

Design Squad H. ZENG, C. WICKLUND, I. BURRELL, P. JOHNSON

Approved _____ 19____ CITY ENGINEER

Approved _____ 19____

Recommended For Approval _____ 19____ METRO-ASSISTANT DIVISION ENGINEER-STATE AID

Recommended For Approval _____ 19____ STATE AID PLANS AND SPECS ENGINEER

Approved _____ 19____ STATE AID ENGINEER

DESIGN DESIGNATION: 124TH AVENUE N.W. (SAP 114-136-01)

Functional Classification: 2-LANE COLLECTOR (HIGH DENSITY)

No. of Traffic Lanes 2 No. of Parking Lanes 0

ADT (Current Year) 1995 0 Design Speed 30 MPH

ADT (Future Year) 2015 10,000 Based on STOPPING Sight Distance

DHV (Design Hr. Vol.) N/A Height of eye 3.5' Height of Object 0.5'

D (Directional Distr.) 50 % Design Speed not achieved at N/A

T (Heavy Commercial) 3.6 % STA. N/A TO STA. N/A

R-Value 70 N18 Factor 1,425,000 Design Load 9 TON

DESIGN DESIGNATION: ROSE STREET N.W. (SAP 114-136-01)

Functional Classification: 4-LANE COLLECTOR (HIGH DENSITY)

No. of Traffic Lanes 4 No. of Parking Lanes 0

ADT (Current Year) 1995 0 Design Speed 30 MPH

ADT (Future Year) 2015 10,000 Based on STOPPING Sight Distance

DHV (Design Hr. Vol.) N/A Height of eye 3.5' Height of Object 0.5'

D (Directional Distr.) 50 % Design Speed not achieved at N/A

T (Heavy Commercial) 3.6 % STA. N/A TO STA. N/A

R-Value 70 N18 Factor 1,425,000 Design Load 9 TON

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY
12/30/98	AS-BUILT	

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, OF THIS PLAN WERE MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Paul Beland

DATE 3-3-97 REG. NO. 23197

STATE AID PROJ. NO. 114-136-01 SHEET NO. 1 OF 10 SHEETS

DISK FILE NAME: R:\3192\PLAN-SHT\SAP\RCMSTL.DWG PLOT DATE: Oct 03, 1995 8:44am

STATEMENT OF ESTIMATED QUANTITIES


NOTES	ITEM NO.	ITEM	PLAN QUANTITY	UNIT	TOTAL QUANTITIES		124TH AVE. NW/ROSE ST. NW S.A.P. 114-136-01		POPPY ST. NW CITY PROJECT 95-29		STORM SEWER	
					EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL
	2021.501	MOBILIZATION		LS	1.00		0.85		0.15			
	2104.505	REMOVE BITUMINOUS PAVEMENT		SQ YD	50.00		50.00		0			
	2112.501	SUBGRADE PREPARATION	P	RD STA	17.63		14.82		2.81			
	2130.501	WATER (FOR DUST CONTROL)		M GAL	20.00		17.00		3.00			
	2211.503	AGGREGATE BASE (CV), CLASS 5	P	CY	2351.00		1690.00		661.00			
	2340.508	TYPE 41 WEAR COURSE MIXTURE		TON	1654.00		1202.00		452.00			
	2340.514	TYPE 31 BASE COURSE MIXTURE		TON	2893.00		2103.00		790.00			
	2357.502	BITUMINOUS MATERIAL FOR TACK COAT		GAL	690.00		501.00		189.00			
	2503.541	18" RC PIPE SEWER DESIGN 3006 CL III		LIN FT	38.00						38.00	
	2503.541	24" RC PIPE SEWER DESIGN 3006 CL III		LIN FT	639.00						639.00	
	2503.541	27" RC PIPE SEWER DESIGN 3006 CL III		LIN FT	38.00						38.00	
	2503.541	36" RC PIPE SEWER DESIGN 3006 CL III		LIN FT	289.00						289.00	
	0503.602	CONNECT TO EXISTING STORM SEWER		EACH	1.00						1.00	
	0504.602	ADJUST VALVE BOX		EACH	15.00		10.00		5.00			
	2506.508	CONSTRUCT MANHOLES, DESIGN SPEC 1		EACH	1.00						1.00	
	2506.509	CONSTRUCT CATCHBASIN, DESIGN SPEC 2		EACH	4.00						4.00	
	2506.509	CONSTRUCT CATCHBASIN, DESIGN SPEC 3		EACH	4.00						4.00	
	2506.522	ADJUST FRAME & RING CASTING		EACH	18.00		17.00		1.00			
	2531.501	CONCRETE CURB AND GUTTER DESIGN B618		LIN FT	4271.00		3210.00		1061.00			
	2531.503	CONCRETE MEDIAN		SQ YD	477.00		132.00		345.00			
	2531.507	7" CONCRETE DRIVEWAY PAVEMENT		SQ YD	69.55				69.55			
	2535.501	BITUMINOUS CURB		LIN FT	970.00		360.00		610.00			
	2554.505	PERMANENT BARRICADES		LIN FT	192.00		192.00					
	0563.601	TRAFFIC CONTROL		LS	1.00		0.85		0.15			
	2564.531	F & I SIGN PANELS TYPE C		SQ FT	186.00		119.50		66.50			
	0564.602	PAVEMENT MESSAGE (LEFT ARROW) - PAINT		EACH	17.00		13.00		4.00			
	0564.602	PAVEMENT MESSAGE (RIGHT ARROW) - PAINT		EACH	4.00		3.00		1.00			
	0564.603	4" SOLID LINE YELLOW - PAINT		LIN FT	1714.00		1714.00		0.00			
	0564.603	4" BROKEN LINE WHITE - PAINT		LIN FT	260.00		100.00		160.00			
	0564.603	4" SOLID LINE WHITE - PAINT		LIN FT	710.00		400.00		310.00			
	0564.603	4" SOLID LINE YELLOW - PAINT (DOUBLE)		LIN FT	475.00		475.00					
	0564.603	4" BROKEN LINE YELLOW (PAINT)		LIN FT	410.00		410.00					
	0564.603	24" SOLID LINE WHITE (PAINT)		LIN FT	235.00		155.00		80.00			
	2573.501	BALE CHECK		EACH	50.00		50.00					
	2573.502	SILT FENCE, TYPE HEAVY DUTY MAINTAINED		LIN FT	3830.00		3240.00		590.00			
1	2575.505	SODDING TYPE LAWN		SQ YD	620.00		420.00		200.00			
1	0575.609	SEED, MIXTURE 500		ACRE	2.00		1.70		0.30			

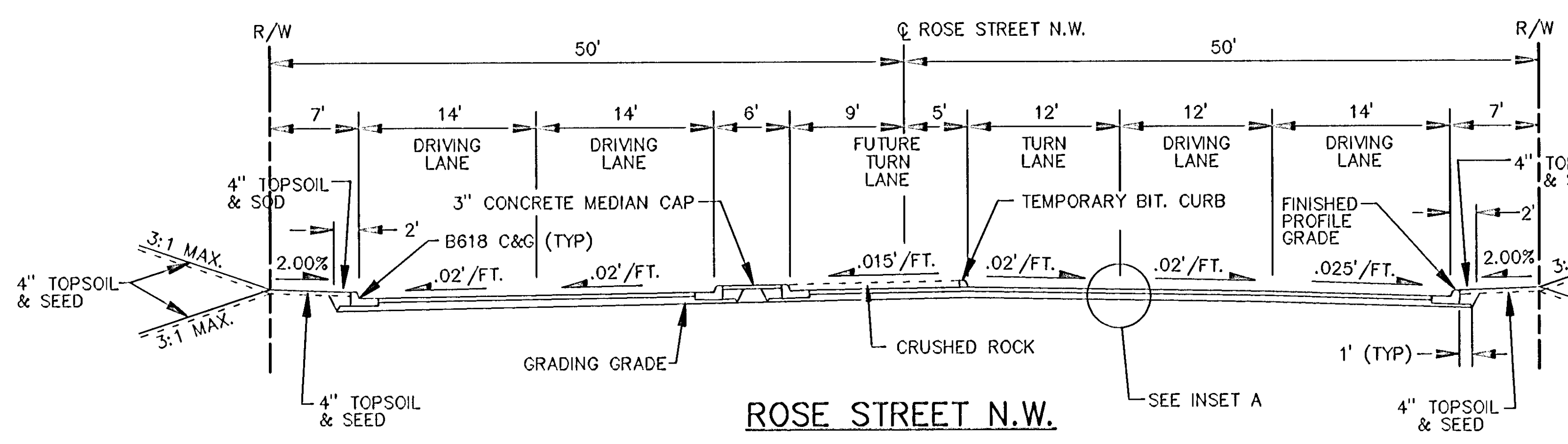
NOTE:

- INCLUDES SEEDING, MULCH, DISC ANCHORING COMMERCIAL FERTILIZER (10-20-20) AND 4" TOPSOIL.

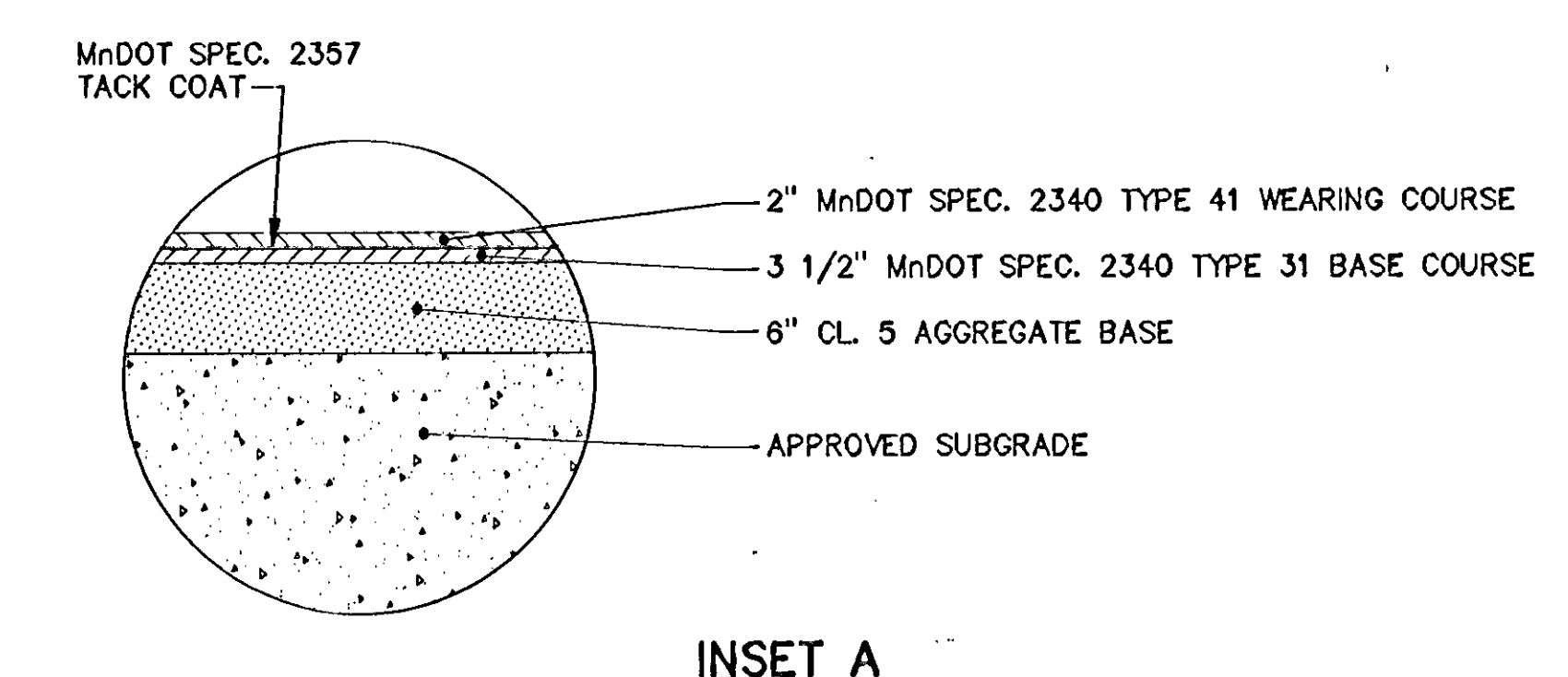
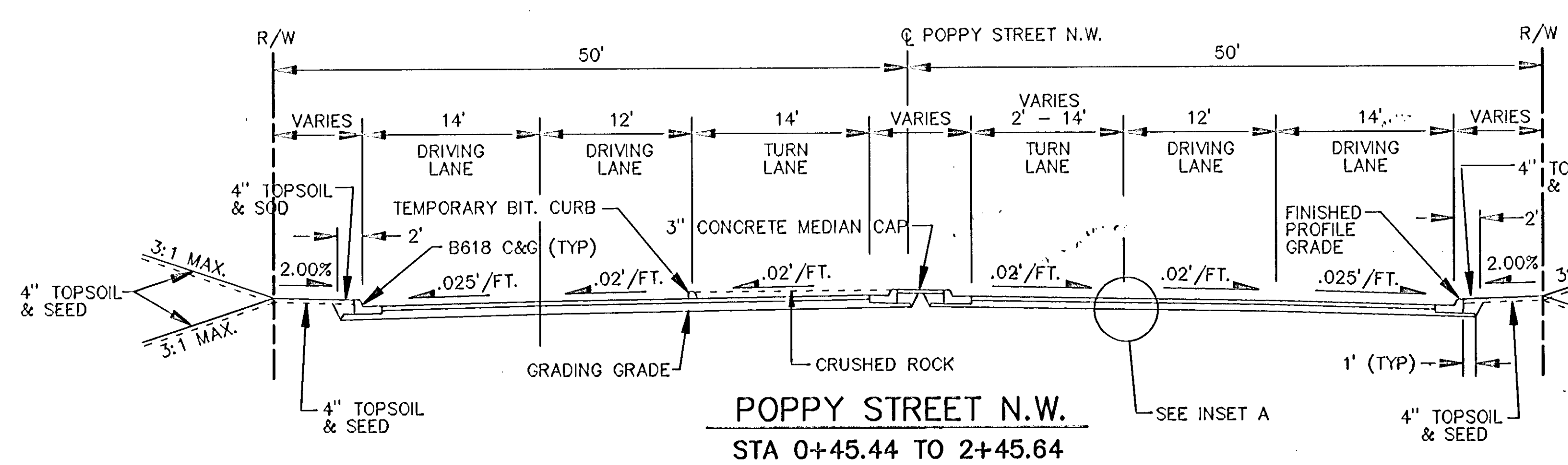
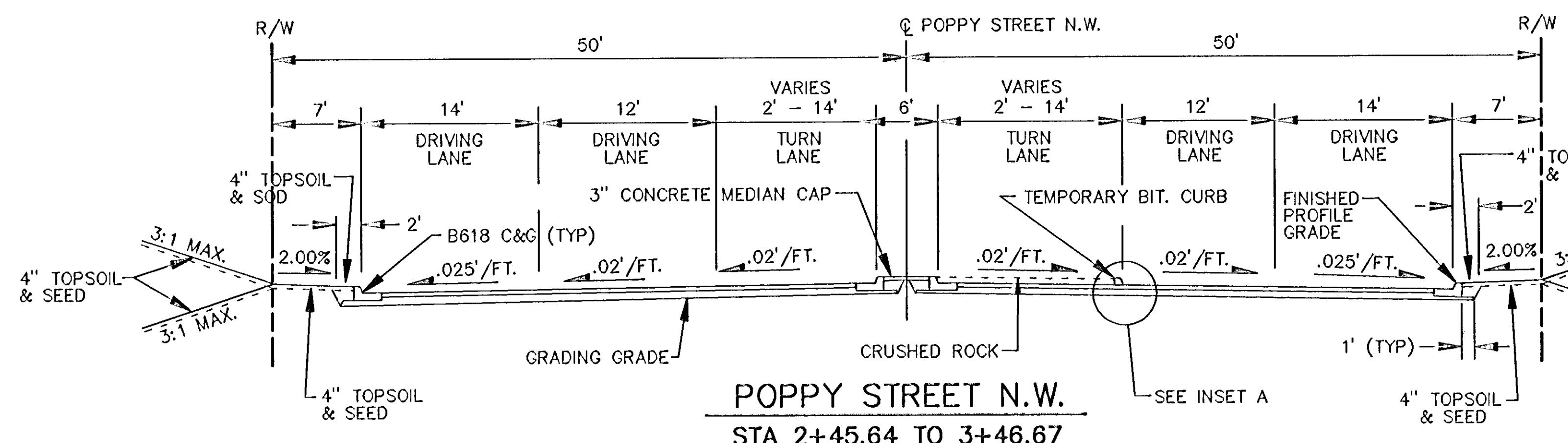
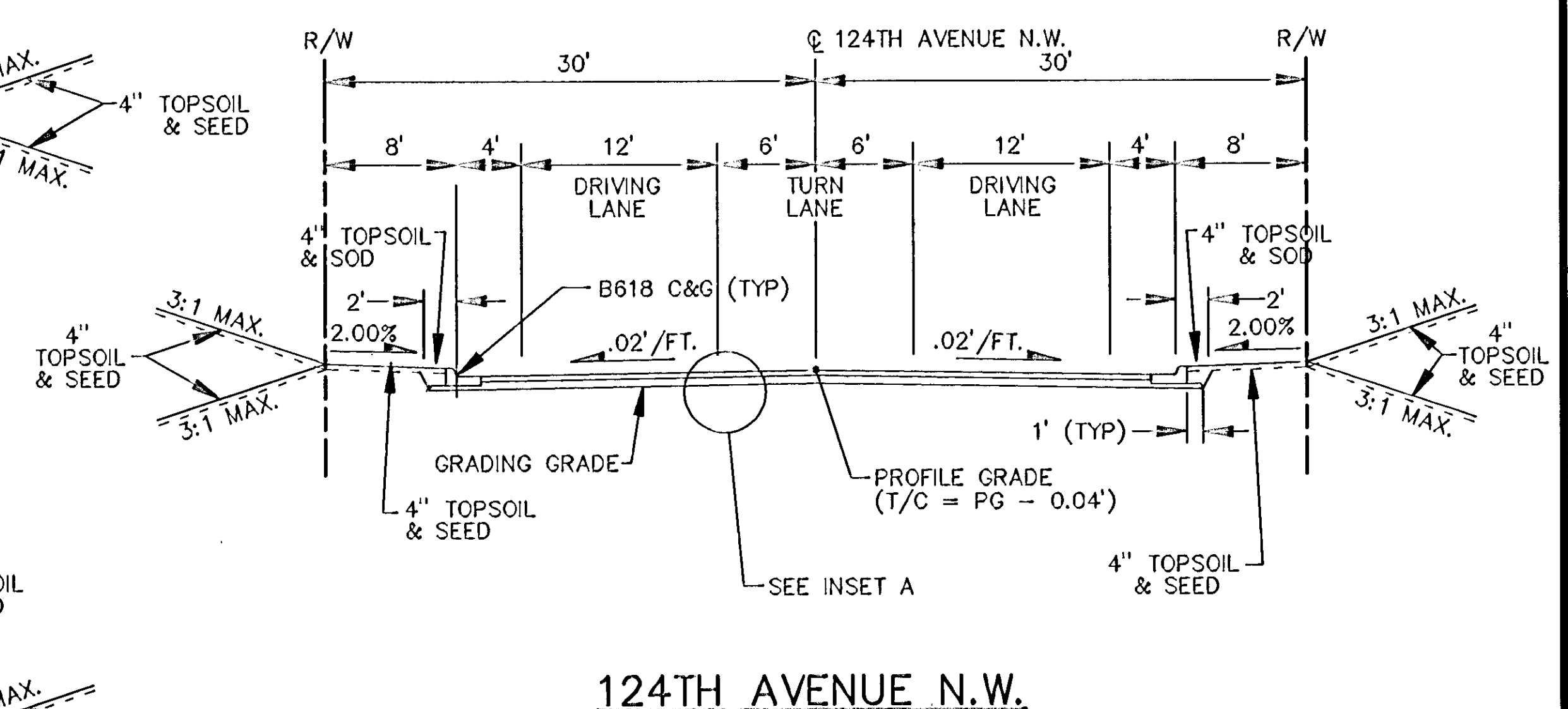
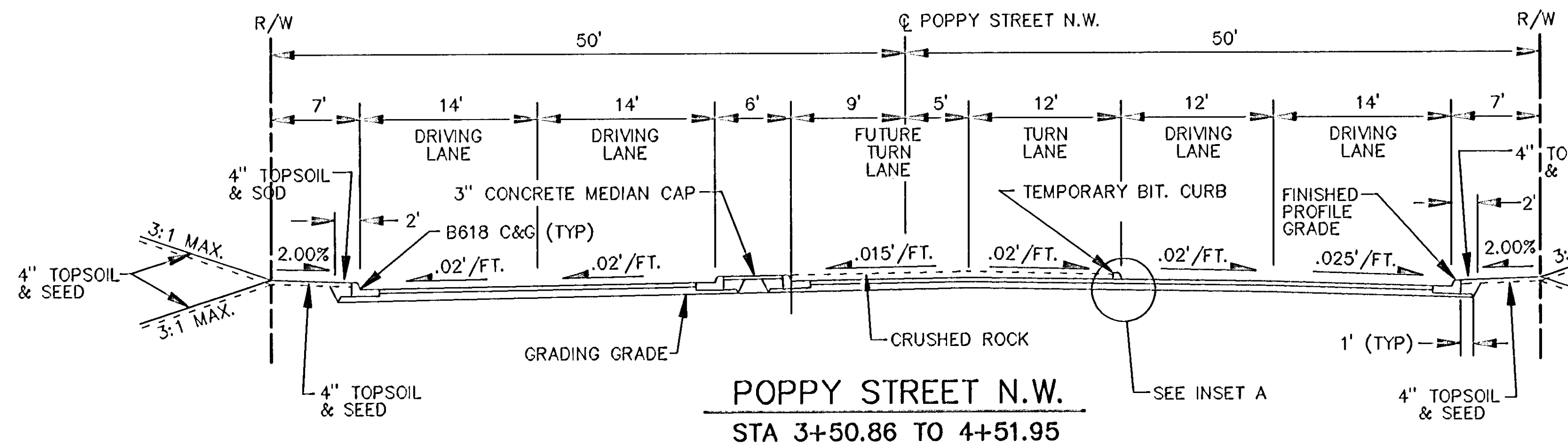
BASIS FOR QUANTITIES	
BITUMINOUS MIX (TYPE 41 WEAR & BINDER)	115#/SY/INCH
(TYPE 31 BASE)	115#/SY/INCH
AGGREGATE BASE (CLASS 5)	3636#/CY
TACK COAT	0.05 GAL/CY
SEED MIXTURE 500	75#/ACRE
MULCH MATERIAL - TYPE 1	4000#/ACRE
COMM. FERTILIZER (10-20-20)	400#/ACRE

DISK FILE NAME: P:\3192\PLAN-SHT\SAP\RCMSEST1.DWG
PLOT DATE: Apr 23, 1996 - 2:07pm

 B R W INC. Threshers Square, 700 Third Street So. Minneapolis, MN 55415, Phone 612/370-0700, Fax 612/370-1378	CITY OF COON RAPIDS RIVERDALE COMMONS CITY PROJECT NO. 95-29 ESTIMATED QUANTITIES	SHEET NO. 2 / 10	S.A.P. 114-136-01	I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE STATE OF MINNESOTA STATUTES SECTION 326.02 TO 326.16. DATE: _____ MINN. REG. NO. 23197
DESIGN FILE: 3193A00 DRAWN BY: IMB P.W.J. CHKD. BY: PBD DATE: SEPT. 1, 1995	REVISIONS: 1 10/28/95 REDESIGN STREET LAYOUT 2 11/19/96 ADJUST STRIPING & BIT. CURE 3 12/30/96 AS-BUILT			DESCRIPTION DATE REV. NO.



NOTE:
FINISHED PROFILE GRADE = OUTSIDE TOP OF CURB
FOR ROSE STREET AND POPPY STREET.



REV. NO.	DATE	DESCRIPTION
1	9/28/95	REDESIGN STREET LAYOUT
2	4/7/96	REVISED STREET SIGNING
3	1/7/96	AS-BUILT

DESIGN FILE:	3193A00
DRAWN BY:	IMB
CHECKED BY:	RCMSTYPS
DATE:	SEPT. 1, 1995

MINN. REG. NO.	2319Z
DATE:	SEPT. 1, 1995

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATIONS AND CONTRACT DOCUMENTS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE STATE OF MINNESOTA STATUTES SECTION 326.02 TO 326.16.

B & W INC.
Threshers Square, 700 Third Street So.
Minneapolis, MN 55415, Phone 612/370-0700, Fax 612/370-1378

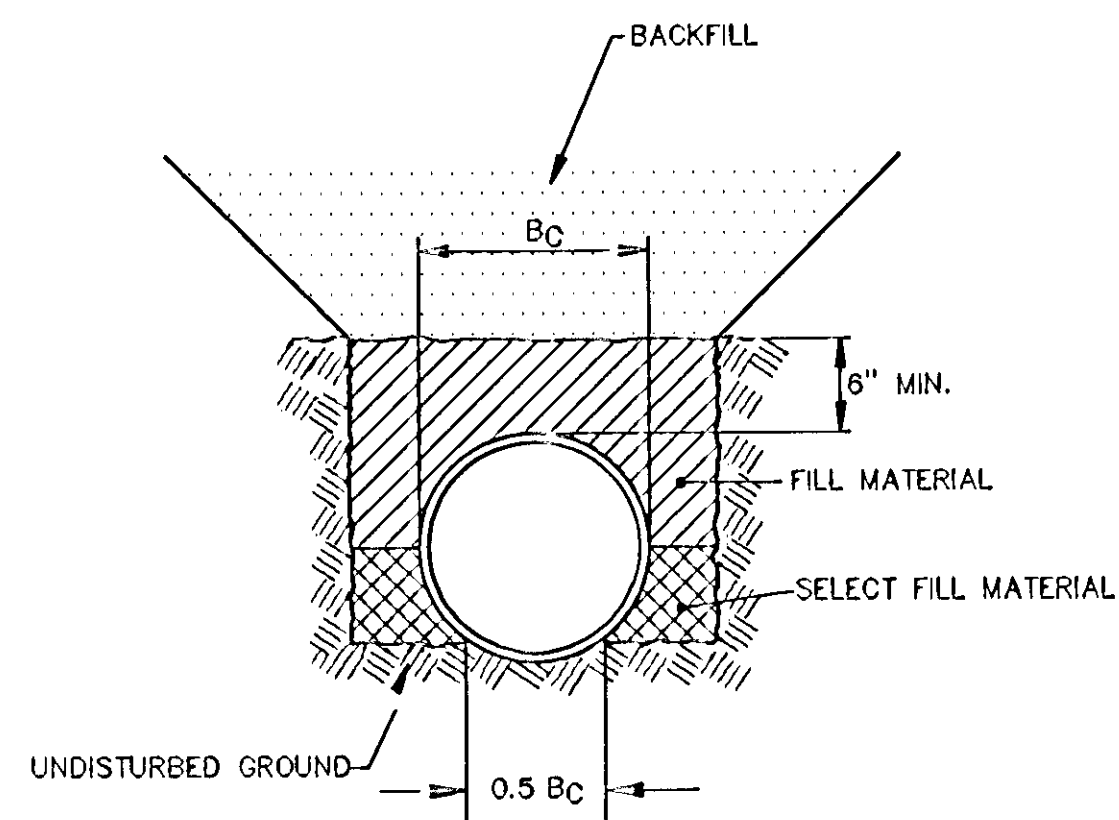
CITY OF COON RAPIDS
RIVERDALE COMMONS
CITY PROJECT NO. 95-29

TYPICAL SECTIONS

SHEET NO. 4 10

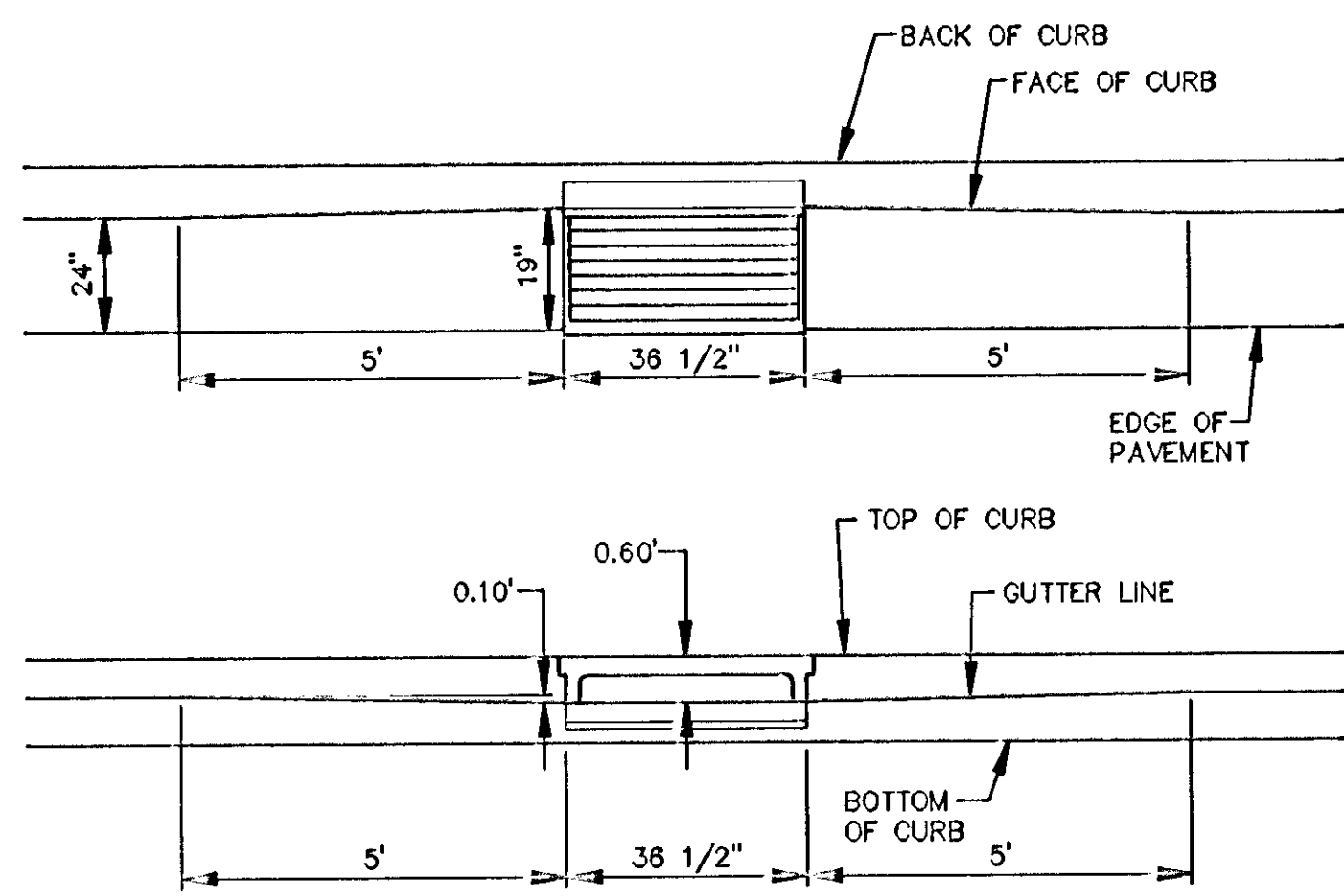
S.A.P. 114-136-01

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Apr 23, 1996 - 1:59pm



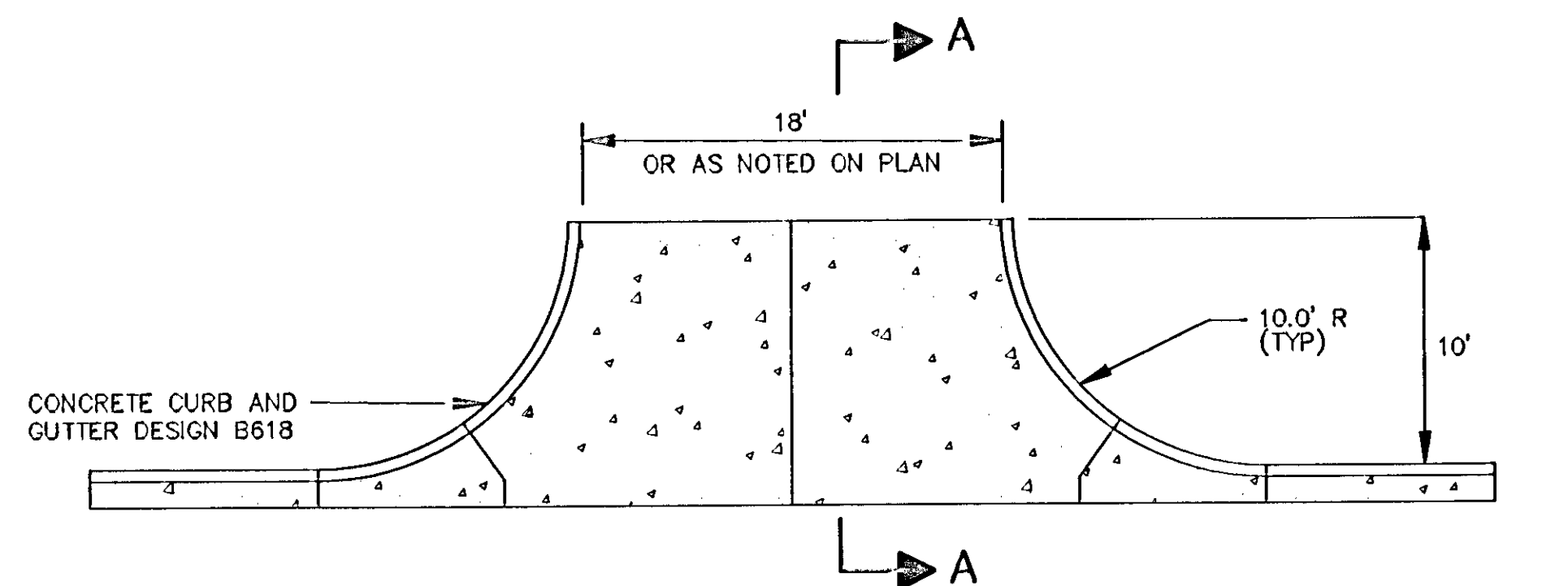
THE PIPE IS BEDDED WITH ORDINARY CARE IN AN EARTH FOUNDATION SHAPED TO FIT THE LOWER 50% BREADTH OF THE PIPE. THE REMAINDER OF THE PIPE IS SURROUNDED TO A HEIGHT OF AT LEAST 6 INCHES ABOVE ITS TOP BY SELECT FILL MATERIALS, PLACED BY HAND TOOLS AND LIGHTLY COMPACTED TO COMPLETELY FILL ALL SPACES UNDER AND ADJACENT TO THE PIPE.

**CLASS C PIPE BEDDING
FOR RCP PIPE**



NOTE:
IF LONGITUDINAL SLOPE IS BETWEEN 1.75% AND 2.25% LENGTH OF DOWNSTREAM TRANSITION SHALL BE SHORTENED TO 3 FT.

DEPRESSED FLOW-LINE AT CATCHBASIN

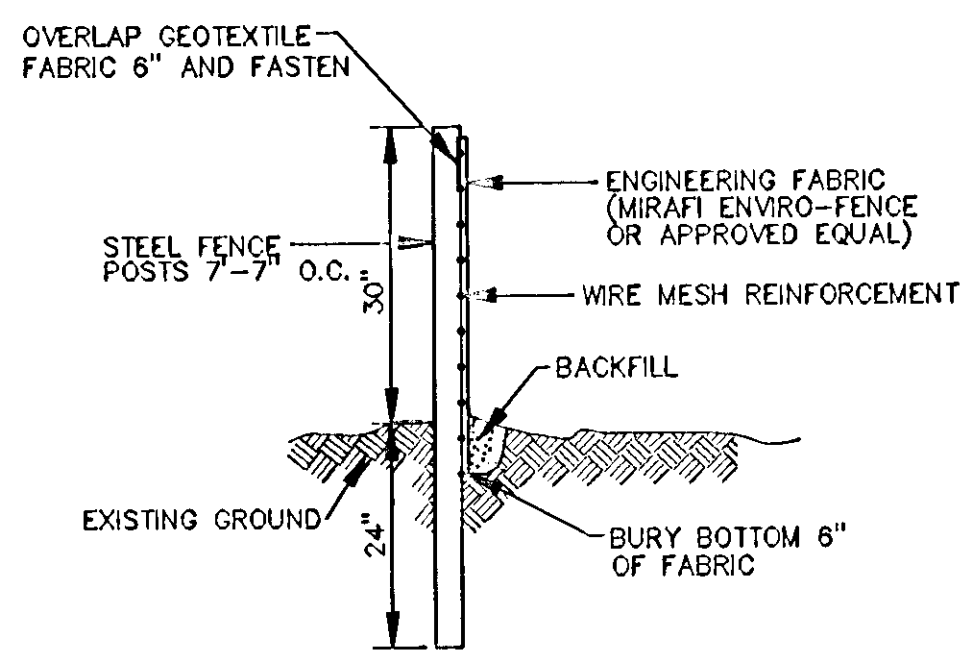


- ① IF SIDEWALK IS EXISTING OR PROPOSED PEDESTRIAN RAMPS SHALL BE INSTALLED.
- ② CONCRETE MIX DESIGNATION SHALL CONFORM TO MnDOT SPECIFICATION FOR MIX No. 3A32

SECTION A - A

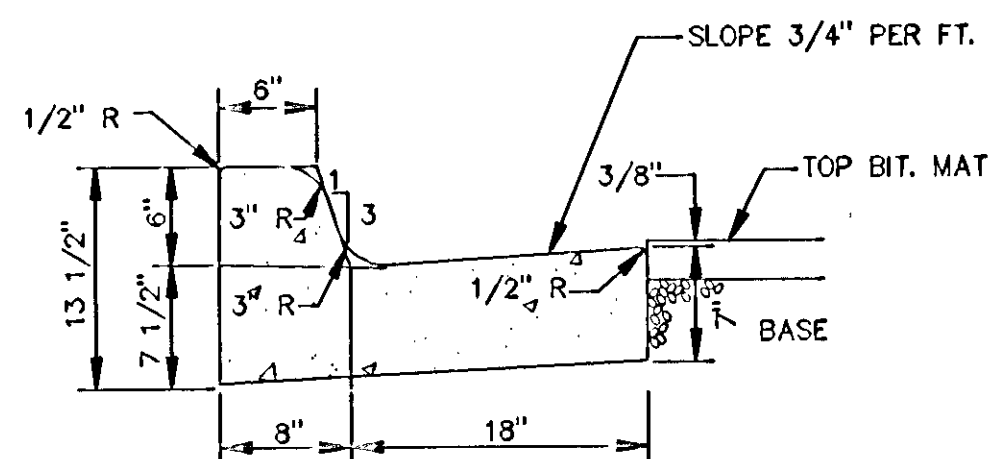
TYPICAL COMMERCIAL DRIVEWAY OPENING DETAIL

NO SCALE

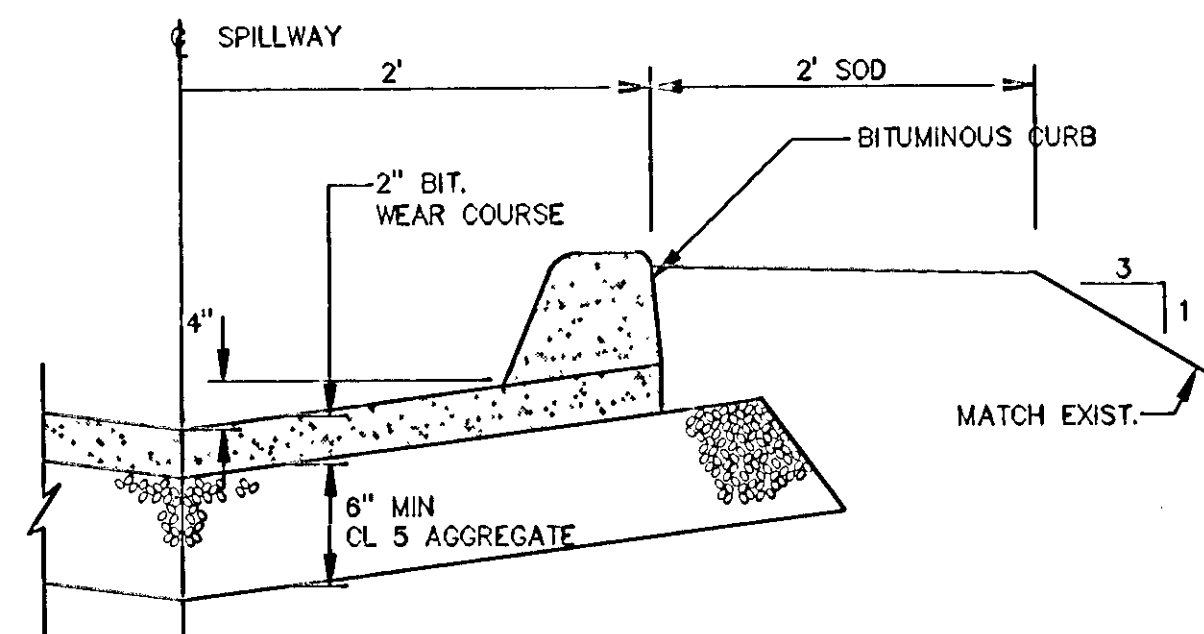


EROSION CONTROL FENCE

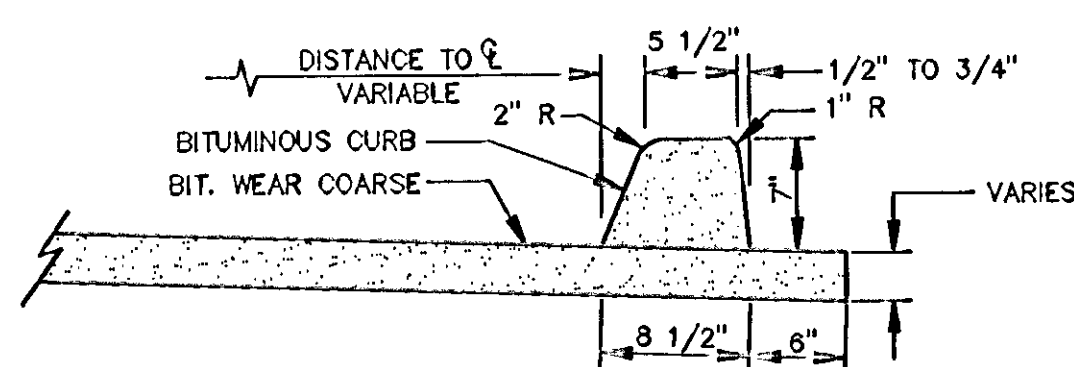
CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL EROSION CONTROL MATERIALS FOLLOWING TURF ESTABLISHMENT



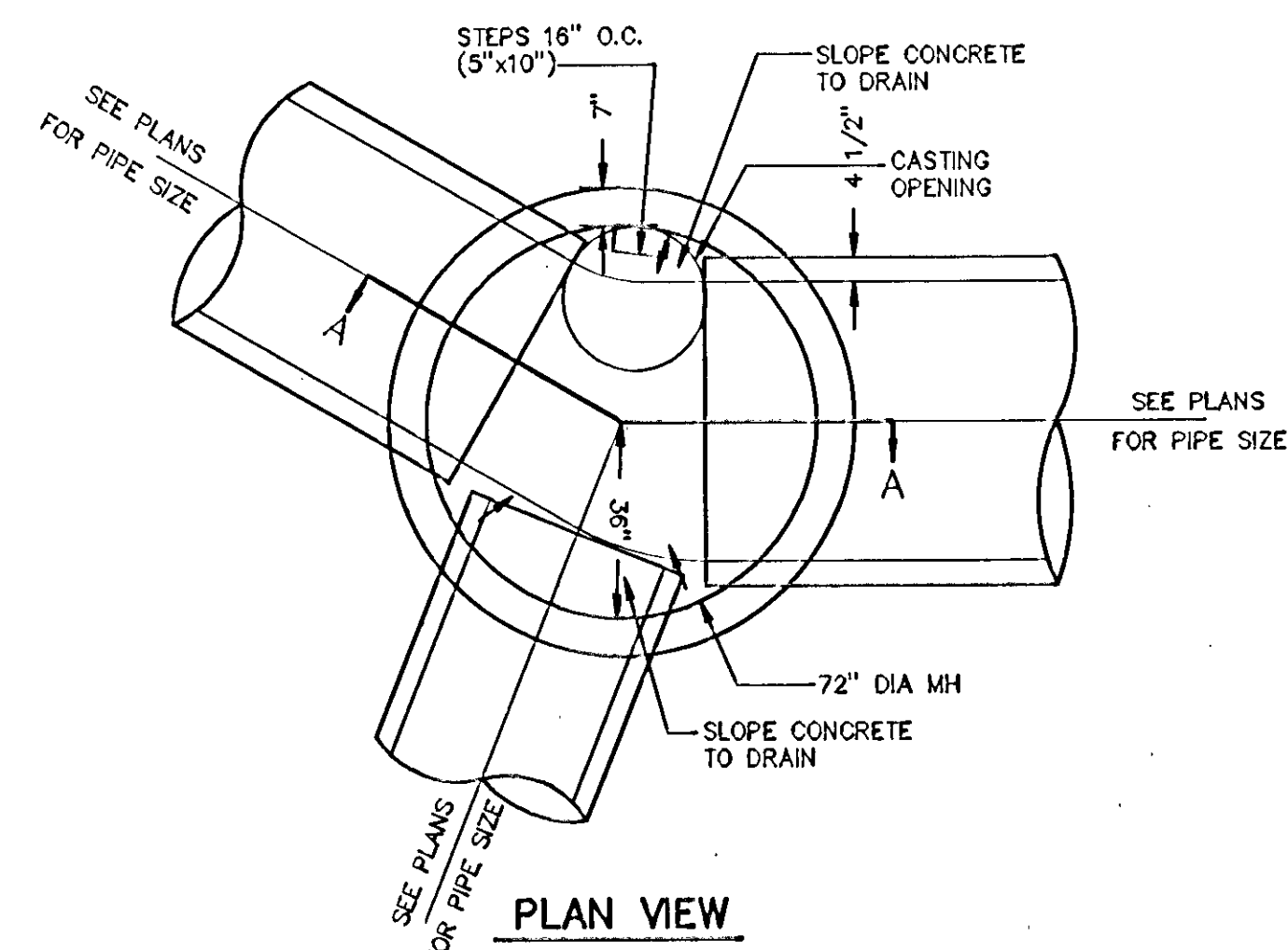
B618 CURB AND GUTTER



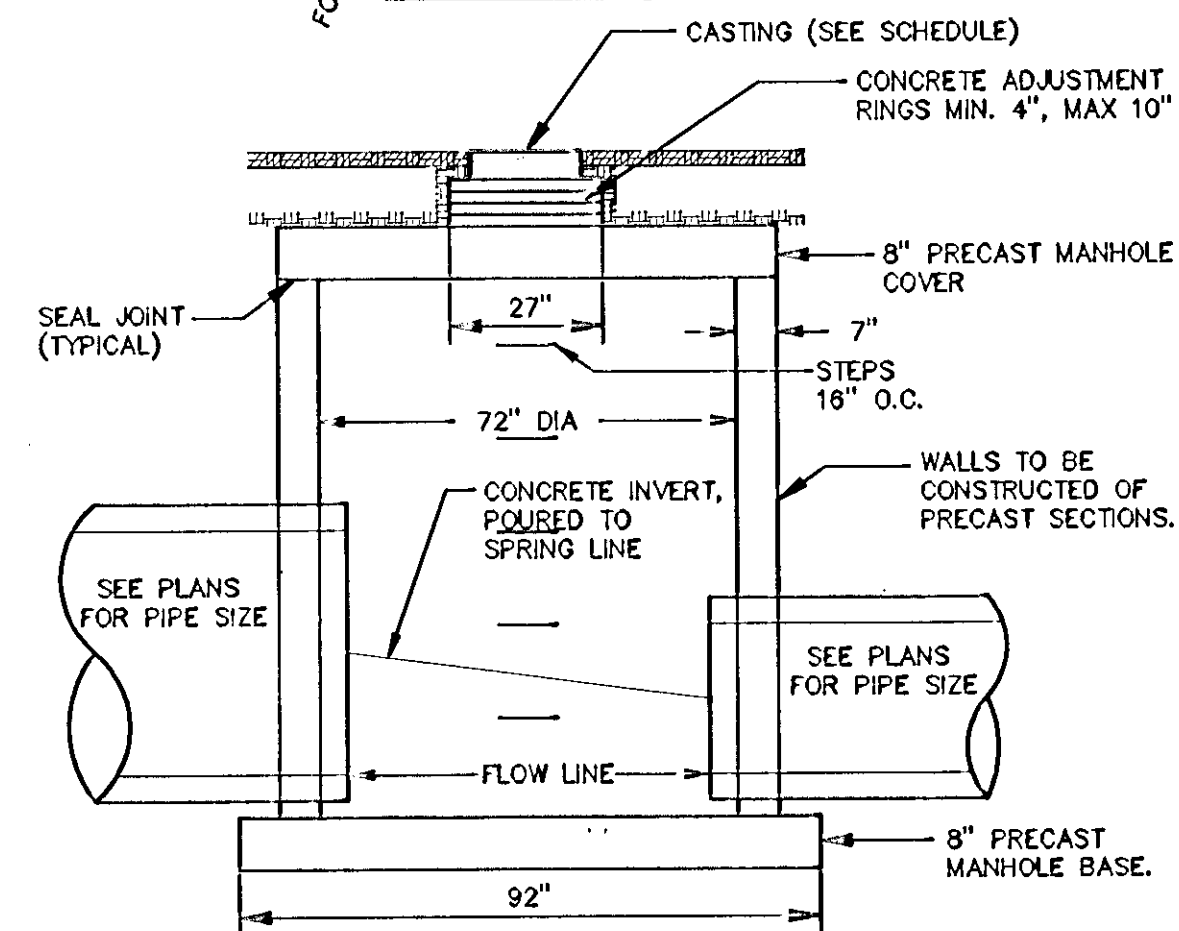
BITUMINOUS SPILLWAY



BITUMINOUS CURB

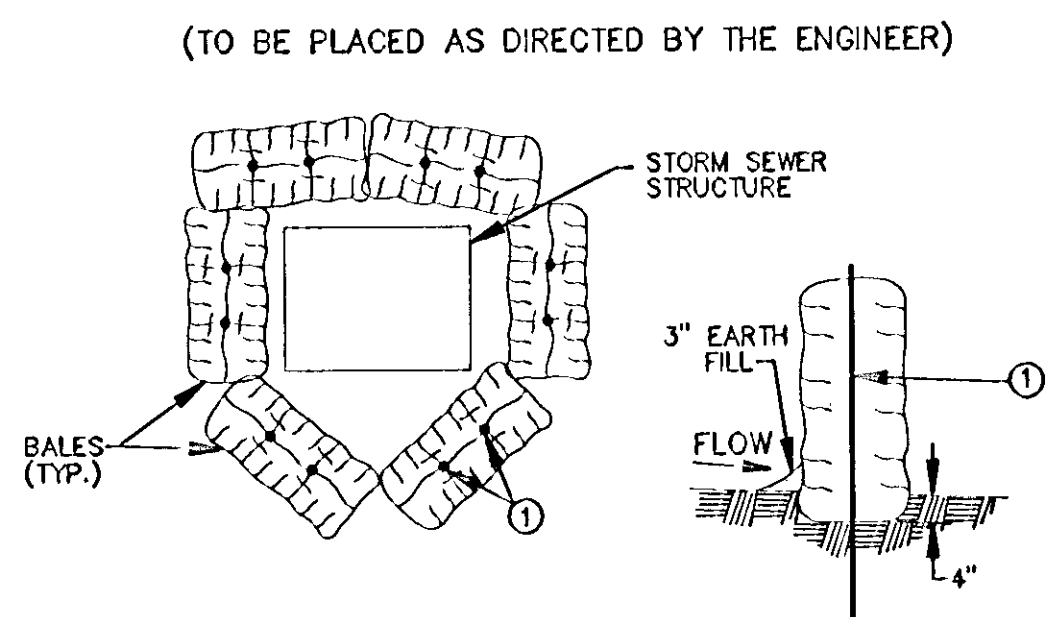


PLAN VIEW



SECTION A-A

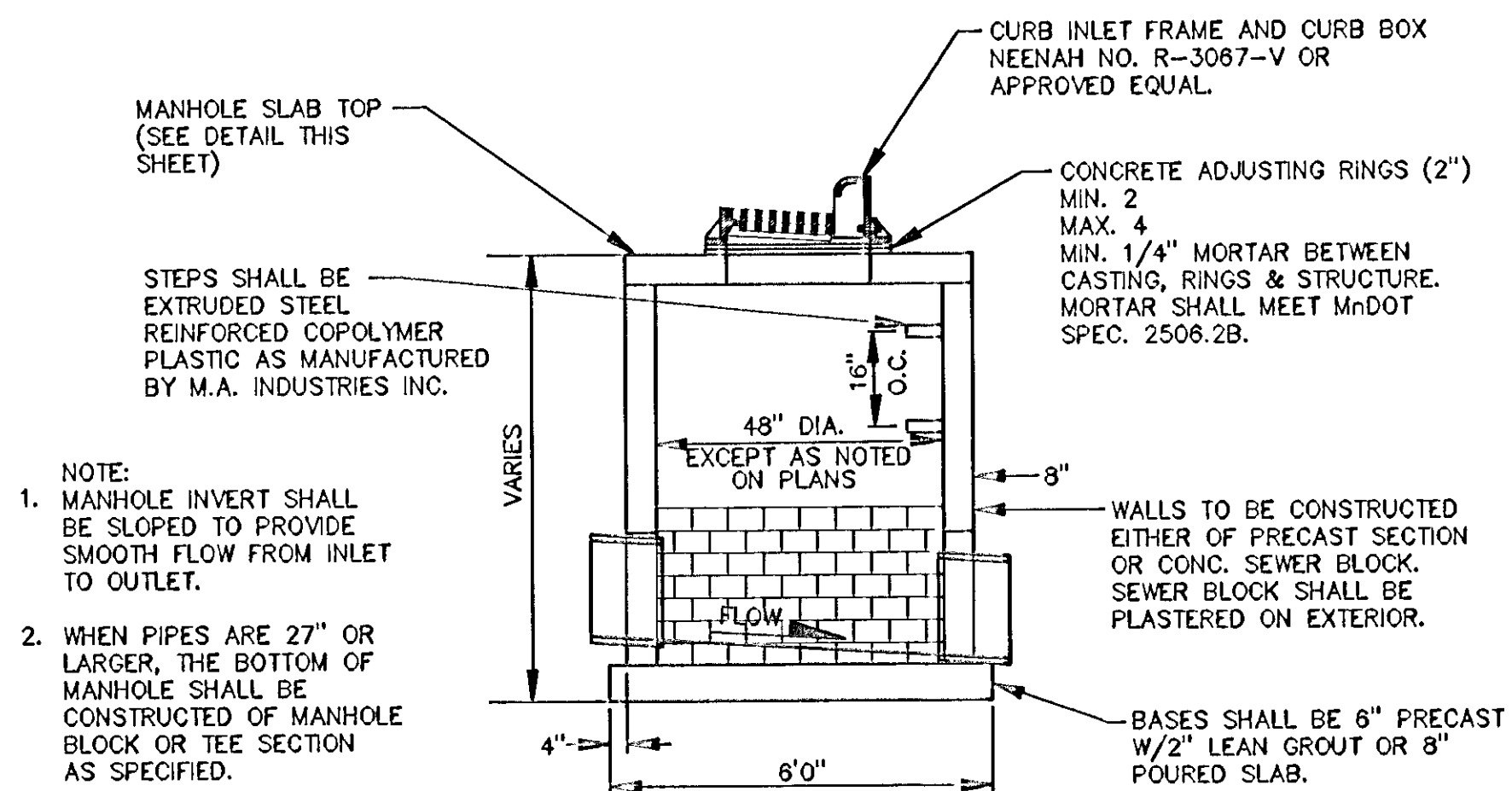
**72" DIAMETER MANHOLE
DESIGN SPEC. 1**



NOTE:
① TWO 2"X2" WOOD STAKES OR REINFORCING BARS IN EACH BALE AND EMBEDDED IN THE GROUND 10" MINIMUM.

TEMPORARY BARRIER OF SEDIMENT CONTROL BALES TO PREVENT SEDIMENT-LADEN WATER FROM ENTERING INCOMPLETE STORM SEWER SYSTEM.

**HAYBALES FOR SEDIMENT CONTROL
(AT STORM SEWER STRUCTURES)**



- NOTE:
1. MANHOLE INVERT SHALL BE SLOPED TO PROVIDE SMOOTH FLOW FROM INLET TO OUTLET.
- 2. WHEN PIPES ARE 27" OR LARGER, THE BOTTOM OF MANHOLE SHALL BE CONSTRUCTED OF MANHOLE BLOCK OR TEE SECTION AS SPECIFIED.
- 3. FLOW LINE OF GRATE SHALL BE MIN. 0.7' BELOW TOP OF CURB.

**CATCHBASIN MANHOLE
DESIGN SPEC. 2 FOR 48" DIAMETER
DESIGN SPEC. 3 FOR 60" DIAMETER**

REV. NO.	DATE	DESCRIPTION
1	9/28/95	REDESIGN STREET LAYOUT
2	12/30/96	AS-BUILT

DESIGN FILE: 3193A00
DRAWN BY: JMB
CHECKED BY: JMB
DESIGN BY: JMB
DATE: SEPT. 1, 1995

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE STATE OF MINNESOTA STATUTES SECTION 326.02 TO 326.16.
MINN. REG. NO. 23197
DATE: 2/1/97

B R W INC.
Threshers Square, 700 Third Street So.
Minneapolis, MN 55415, Phone 612/370-0700, Fax 612/370-1378

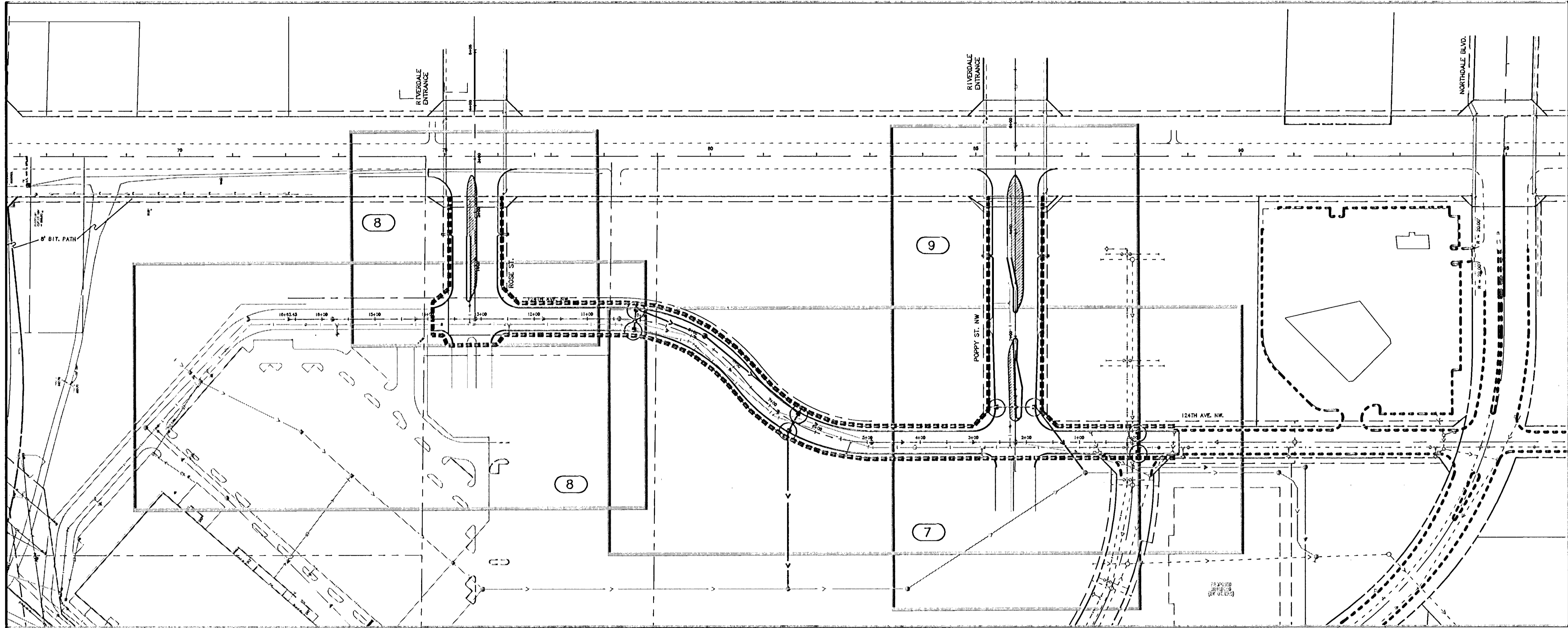
**CITY OF COON RAPIDS
RIVERDALE COMMONS
CITY PROJECT NO. 95-29**

DETAILS

SHEET NO. 5 10

RCRFT
RCRFSW
RCRFSM
RCRFS11E
RCRFSUT
RCRFSB
RCRFSR01

DISK FILE NAME: P:\3192\PLAN-SHT\SAP\RCRFSASP.DWG
PLGT DATE: Oct 05, 1995 8:31am



LEGEND:

- EROSION CONTROL FENCE (SEE DETAIL SHT. 5)
- SEDIMENT CONTROL HAYBALES (SEE DETAIL SHT. 5)
- ⑩ SHEET NUMBER

S.A.P. 114-136-01

CITY OF COON RAPIDS
RIVERDALE COMMONS
CITY PROJECT NO. 95-29
EROSION CONTROL AND SITE PLAN

SHEET NO.
10

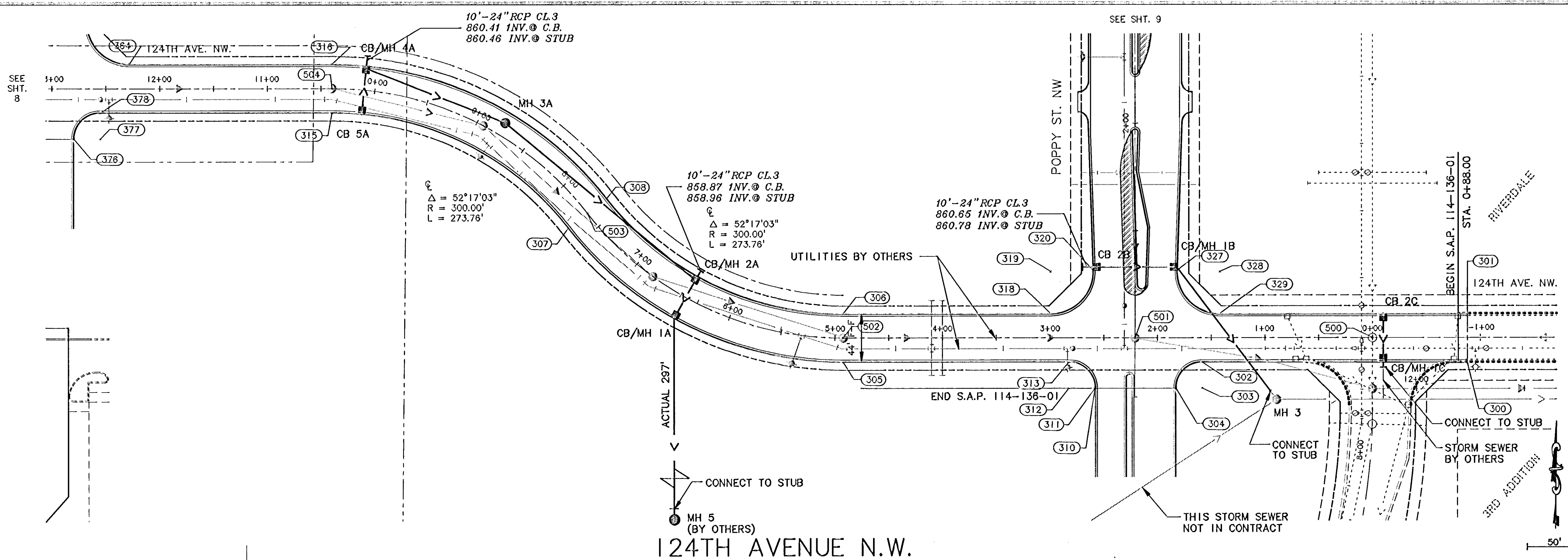
B R W
B R W INC.
Thresher Square, 700 Third Street So.
Minneapolis, MN 55415, Phone 612/370-0700, Fax 612/370-1378

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE STATE OF MINNESOTA STATUTES SECTION 326.02 TO 326.16.
DATE: _____ MINN. REG. NO. 23197

DESIGN FILE: 3193A00
DRAWN BY: PMJ
CHKD. BY: PBD
DESIGN BY: IMB
DWG. NAME: RCMSSASP
DATE: SEPT. 1, 1995

REV. NO.	DATE	DESCRIPTION
1	9/28/95	REDESIGN STREET LAYOUT
2	12/30/96	AS-BUILT

REVISIONS
NO. DESCRIPTION
DATE
BY



REV. NO.	DATE	DESCRIPTION
1	9/28/95	REDESIGN STREET LAYOUT
2	12/30/96	AS-BUILT

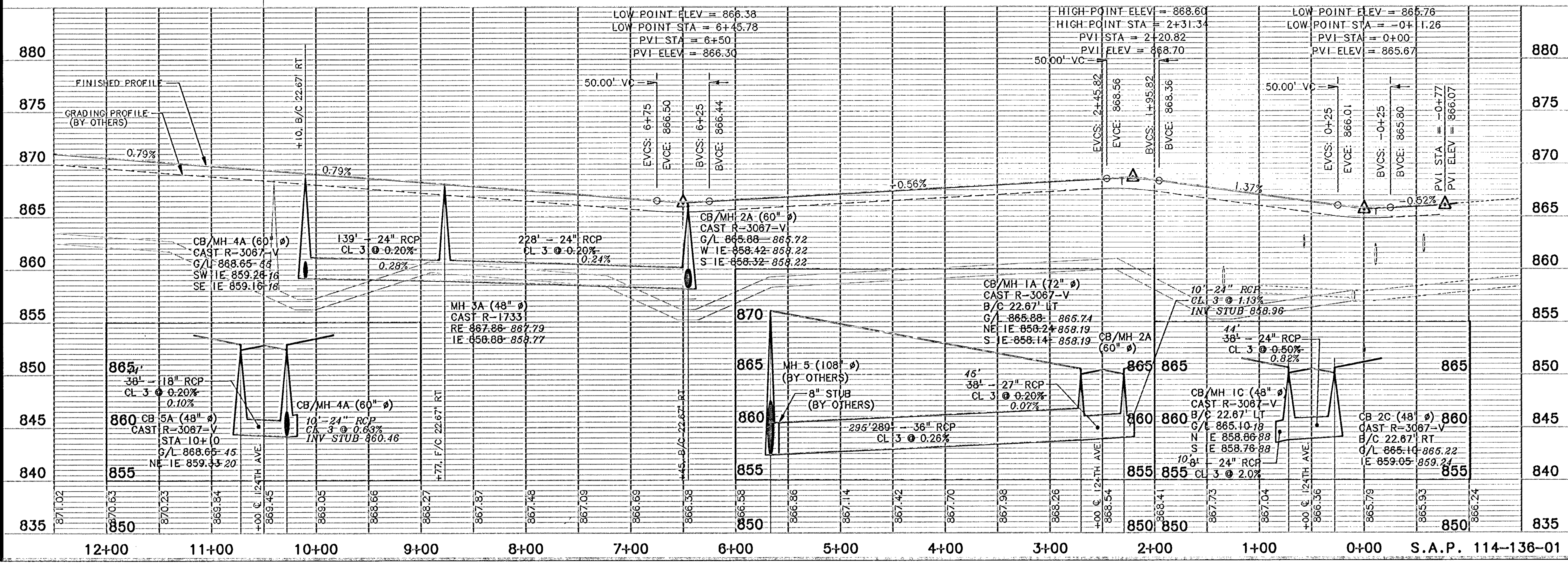
DESIGN FILE:	DESIGN BY:	DWG. NAME:
3193A00	IMB	COMSST01

DESIGNED BY:	DRAWN BY:	CHECKED BY:	PBD
IMB	IMB	IMB	

DATE:	MINN. REG. NO.
SEPT. 1, 1995	2319Z

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATIONS, AND CONTRACT DOCUMENTS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE STATE OF MINNESOTA STATUTES SECTION 326.02 TO 326.16.

124TH AVENUE N.W.



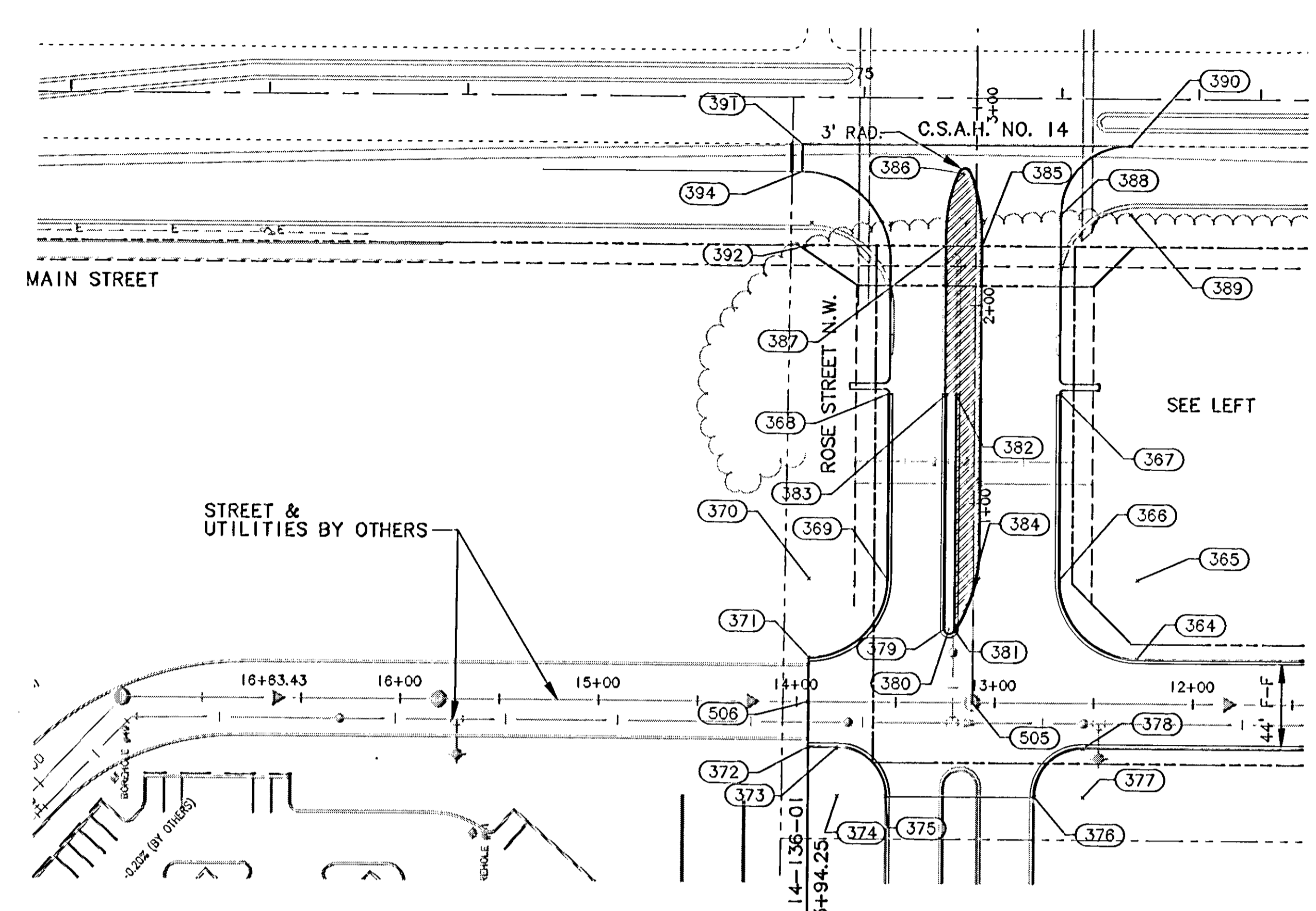
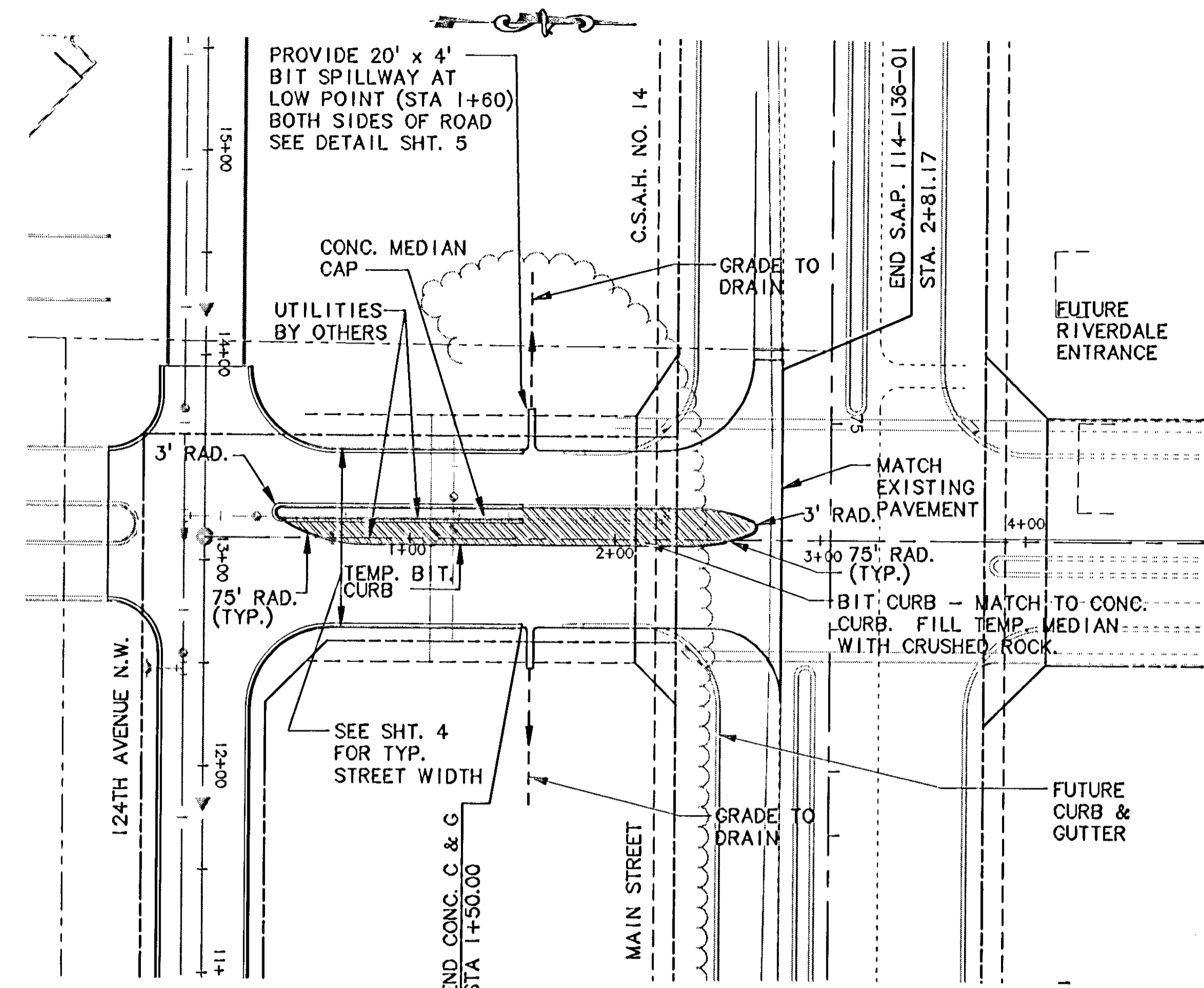
B R W INC.
Threshar Square, 700 Third Street So.
Minneapolis, MN 55415, Phone 612/370-0700, Fax 612/370-1378

CITY OF COON RAPIDS
RIVERDALE COMMONS
CITY PROJECT NO. 95-29
124TH AVENUE N.W.
STREET AND STORM SEWER

SHEET NO. **7** / **10**

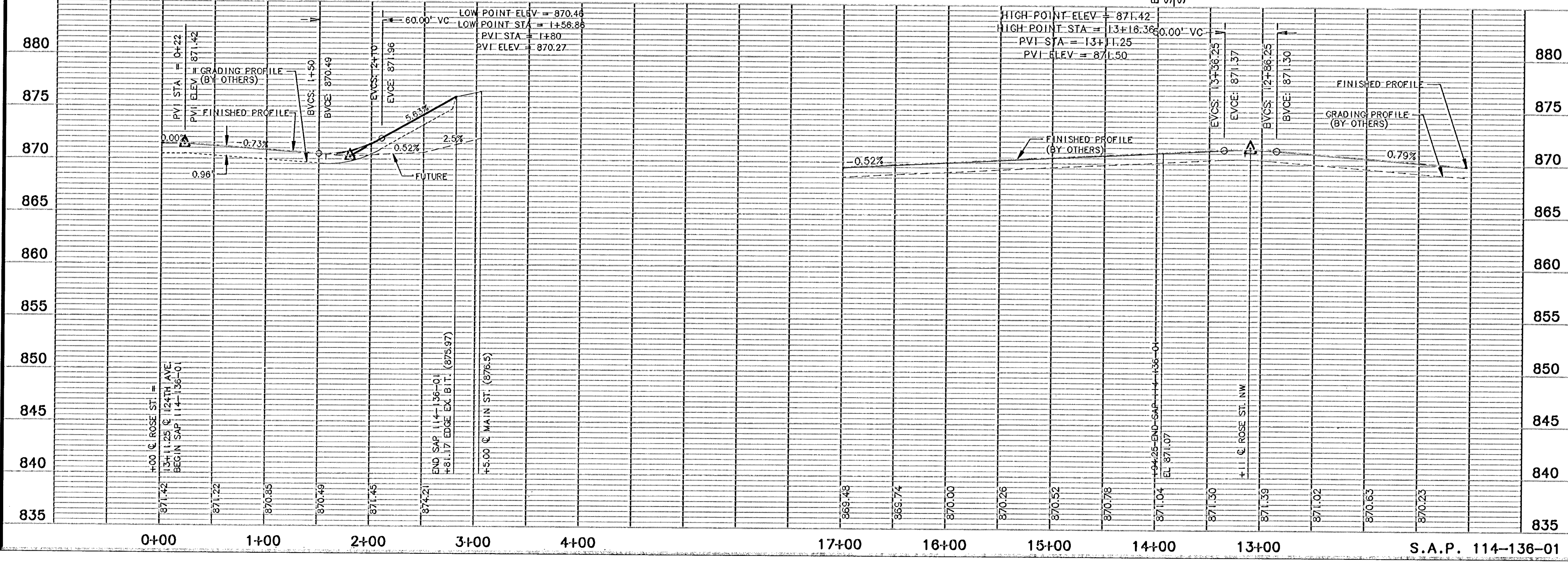
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PLOT DATE: Oct 03, 1995 8:58am

RCM:R11
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 RCM:R18
 RCM:R19
 RCM:R20



ROSE STREET N.W.

124TH AVENUE N.W.



REV. NO.	DATE	DESCRIPTION
1	9/28/95	REDESIGN STREET LAYOUT
2	4/7/96	ADJUST TEMP. CURB
3	12/30/96	AS-BUILT

DESIGN FILE: 3193A00
 DRAWN BY: IMB
 PMJ
 CHECKED BY: PBD
 DWG. NAME: RCMST02
 DATE: SEPT. 1, 1995

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE STATE OF MINNESOTA STATUTES SECTION 326.02 TO 326.16.

DATE: MINN. REG. NO. 2319Z

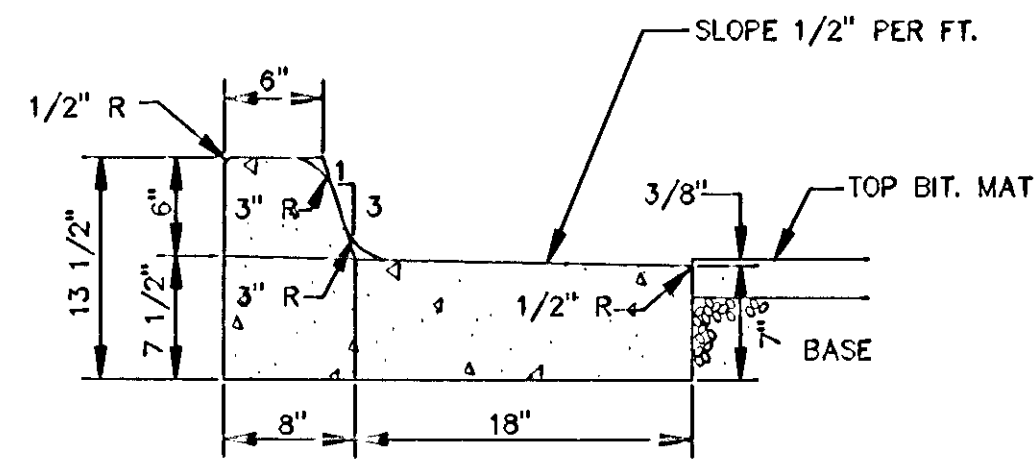
B & W INC.
 Threshers Square, 700 Third Street So.
 Minneapolis, MN 55415, Phone 612/370-0700, Fax 612/370-1378

CITY OF COON RAPIDS
 RIVERDALE COMMONS
 CITY PROJECT NO. 95-29
 124TH AVENUE N.W. AND ROSE ST N.W.
 STREET AND STORM SEWER

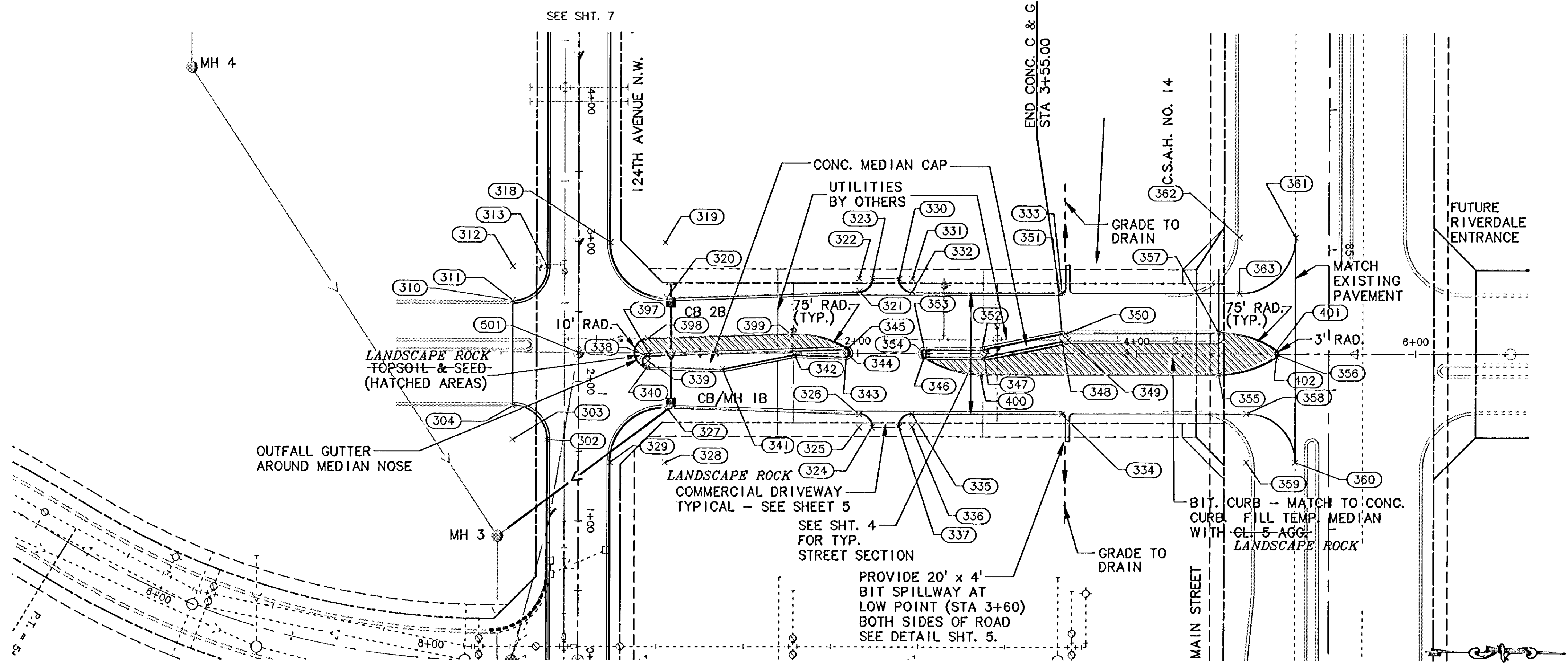
SHEET NO. 8 10

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 PLOT DATE: Apr 24, 1996 - 3:20pm

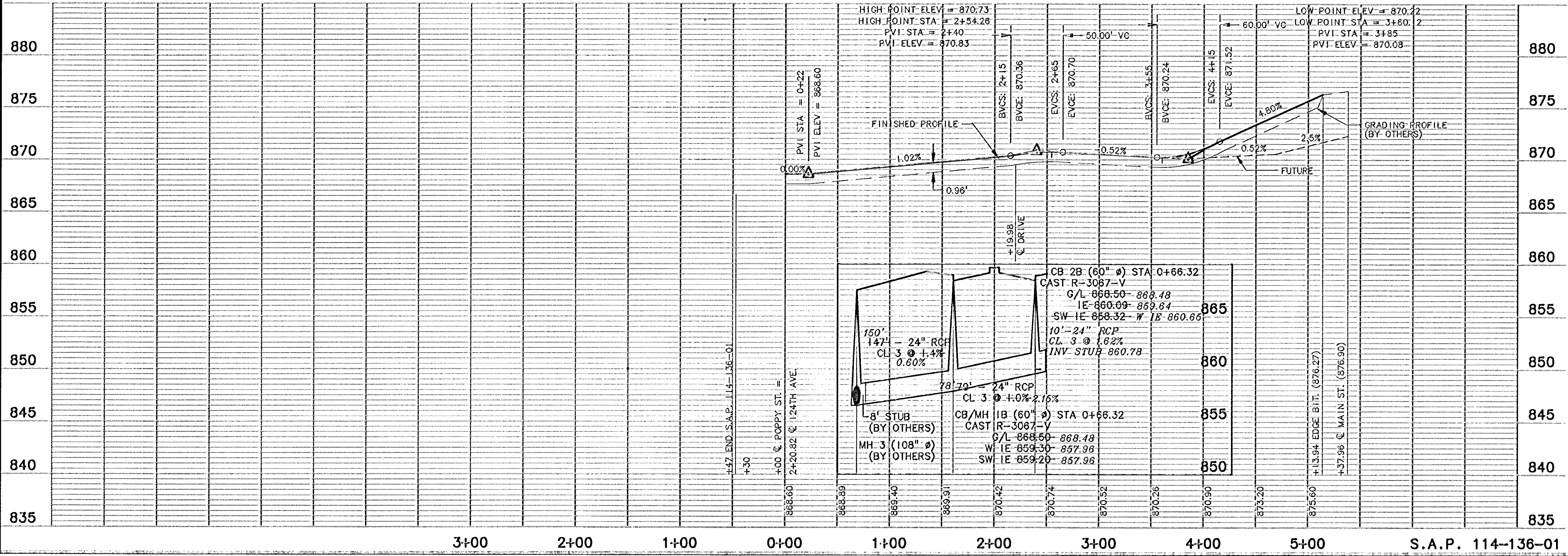
ROW #1
 ROW #2
 ROW #3
 ROW #4
 ROW #5
 ROW #6
 ROW #7
 ROW #8
 ROW #9
 ROW #10



B618 CURB AND GUTTER (OUTFALL)



POPPY STREET N.W.



D:\S\FILE NAME: R:\3192\PLAN-SHT\SAP\RCMS\T03.DWG
 PLOT DATE: Apr 18, 1996 11:25am

REV. NO.	DATE	DESCRIPTION
1	9/23/95	REDESIGN STREET LAYOUT
2	4/19/96	ADJUST TEMP. CURB
3	12/30/96	AS-BUILT

DESIGN FILE:	3193A00
DRAWN BY:	IMB
CHECKED BY:	RCMSST03
DATE:	SEPT. 1, 1995

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE STATE OF MINNESOTA STATUTES SECTION 326.02 TO 326.16.

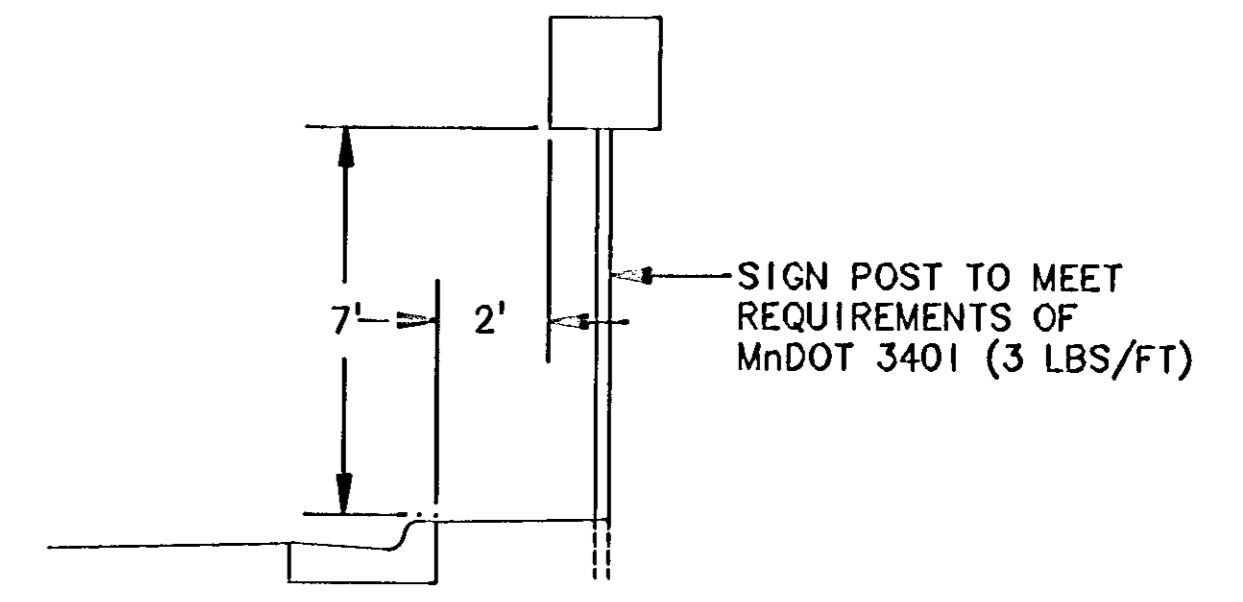
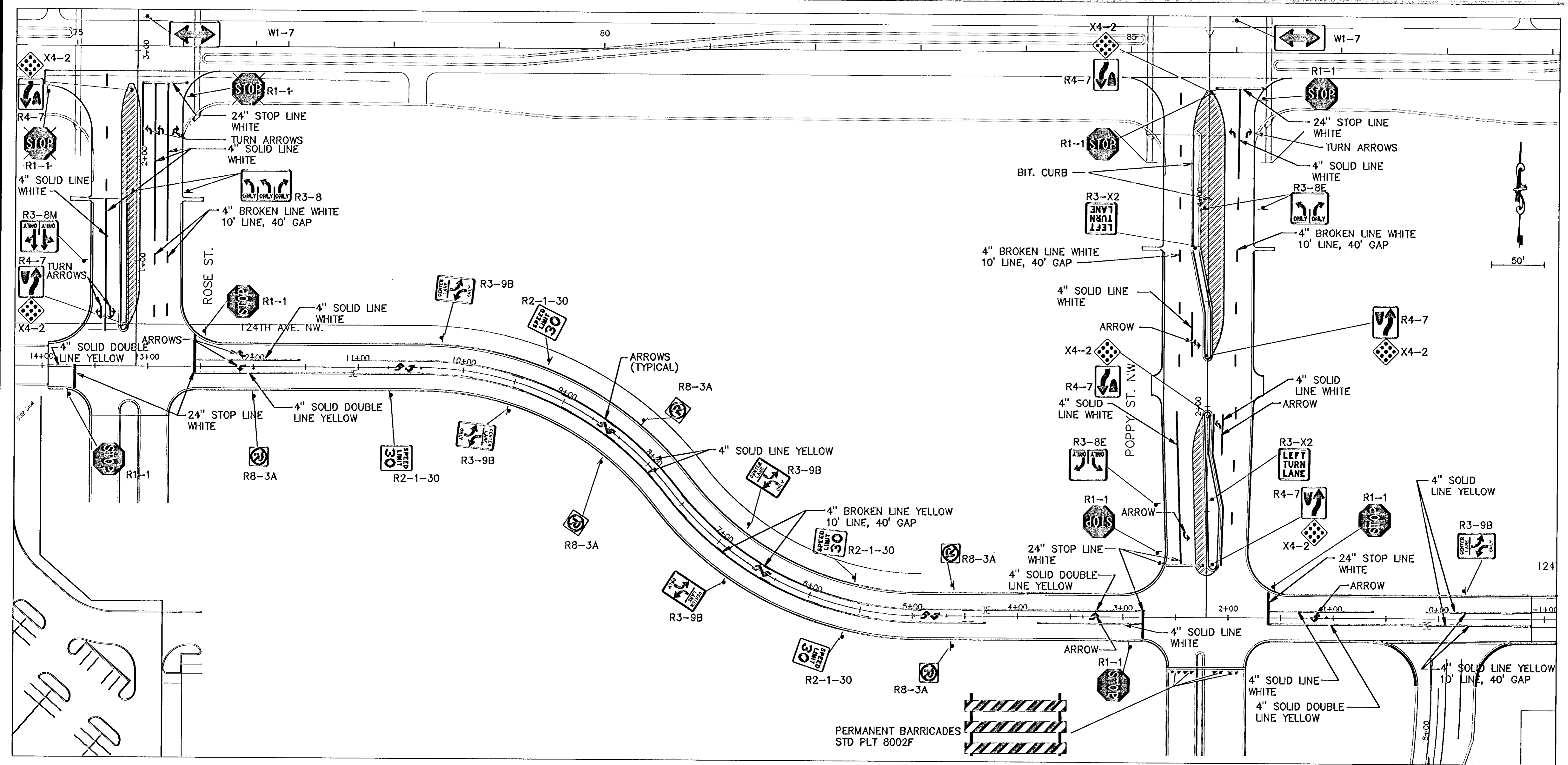
DATE: _____ MNN. REG. NO. 23197

B R W INC.
 Thresher Square, 700 Third Street So.
 Minneapolis, MN 55415, Phone 612/570-0700, Fax 612/570-1378

CITY OF COON RAPIDS
 RIVERDALE COMMONS
 CITY PROJECT NO. 95-29
 POPPY STREET N.W.
 STREET AND STORM SEWER

SHEET NO. 9 OF 10

RCRFS1E
RCRFSB



SIGN POST INSTALLATION

REV. NO.	DATE	DESCRIPTION
1	9/27/95	PREDESIGN STREET LAYOUT
2	9/27/95	REVISED STREET SIGNING
3	11/20/95	AS-BUILT

DESIGN FILE:	3193A00
DRAWN BY:	IMB
CHECKED BY:	PBD
DESIGNER:	IMB
DWG. NAME:	RCMSTCOI
DATE:	SEPT. 1, 1995
MINN. REG. NO.:	2319Z

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE STATE OF MINNESOTA STATUTES SECTION 326.02 TO 326.16.

B R W
B R W INC.
Thebar Square, 700 Third Street So.
Minneapolis, MN 55415, Phone 612/370-0700, Fax 612/370-1378

CITY OF COON RAPIDS
RIVERDALE COMMONS
CITY PROJECT NO. 95-29
SIGNING & STRIPING

DISK FILE NAME: R:\3192\PLAN-SHT\ASAP\RCMSTCOI.DWG
PLOT DATE: Apr 17, 1996 8:45am