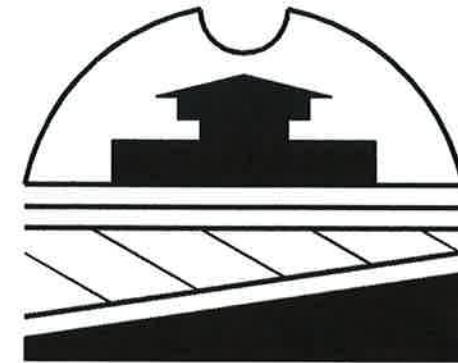
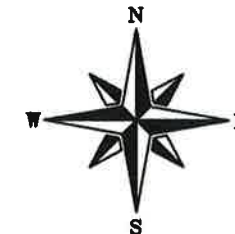


CITY OF MANDAN

MANDAN CITY HALL - 205 2nd Avenue NW
MANDAN, NORTH DAKOTA 58554



AS-BUILT PLANS FOR SANITARY SEWER IMPROVEMENT MANDAN, NORTH DAKOTA



INDEX

- SHEET 1: COVER SHEET
- SHEET 2: PLAN SHEET
- SHEET 3: DETAIL SHEET

ENGINEER'S CERTIFICATE

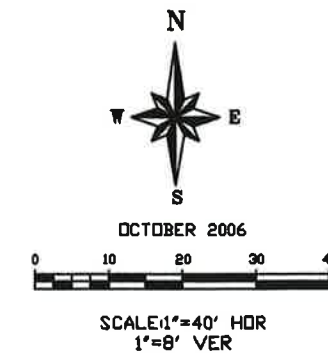
I, THOMAS R. LITTLE, BEING A REGISTERED PROFESSIONAL ENGINEER HEREBY CERTIFY THAT THE ATTACHED PLANS WERE PREPARED UNDER MY SUPERVISION AND ARE COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THOMAS R. LITTLE
CITY ENGINEER

AS-BUILT

City of Mandan		Description	Date	Drawn By	Checked By
City Eng.	TRL	9TH AVENUE SANITARY SEWER PROJECT NUMBER 2006-PW			
Approved By:	TRL				
Project No.					
District No.	NONE				
Drawn By:	JWV				
Checked By:	TRL				
Date:	09/2006				
Scale:	NONE				

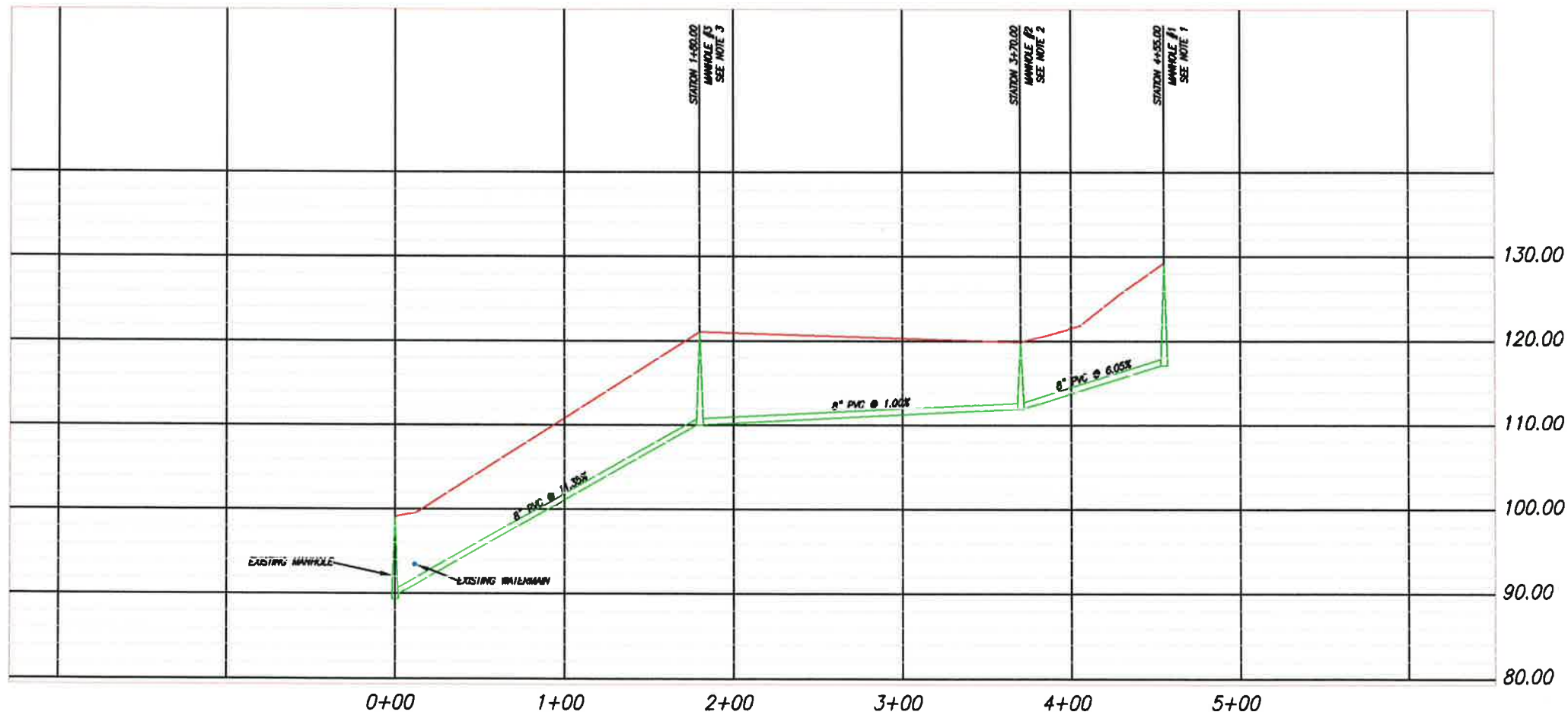
File 18 9th Ave. NE / 2nd St. NE



--- Warning ---
 All utilities are to be located before digging. Overhead utilities may be present.

MANHOLE NOTES

- 1 INSTALLED 48" MANHOLE
TOP OF CASTING: 128.25
INVERT: 117.08
- 2 INSTALLED 48" MANHOLE
TOP OF CASTING: 118.88
INVERT IN: 112.04
INVERT OUT: 111.84
- 3 INSTALLED 48" MANHOLE
TOP OF CASTING: 121.08
INVERT IN: 110.08
INVERT OUT: 108.98



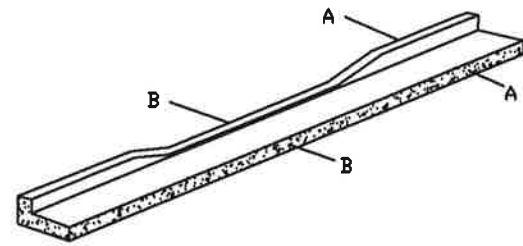
AS-BUILT

City Eng.	Drawn By:	Checked By:	Date:	Scale:
TRL	JWV	TRL	09/2006	1" = 40'
Approved By:				
Project No.				
District No.	NONE			

Description	Date	Drawn By	Checked By
AS-BUILT PLANS			

<p>City of Mandan</p> <p>9TH AVENUE SANITARY SEWER PROJECT NUMBER 2006-PW</p>
--

CURB AND GUTTER
(NOT TO SCALE)

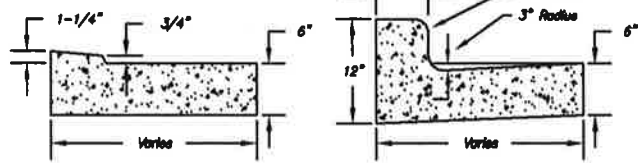


SECTION B-B

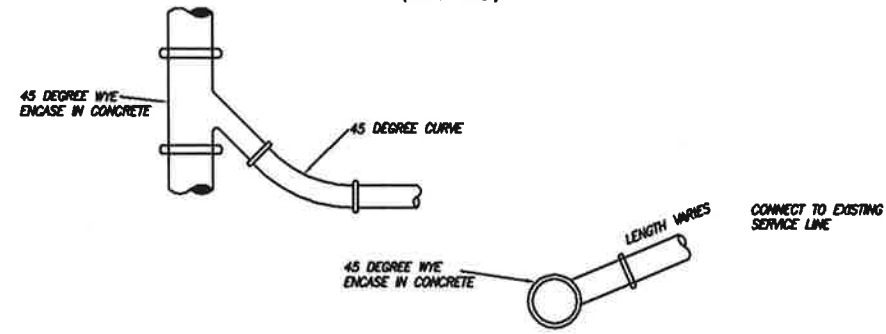
SECTION A-A

Depressed Curb

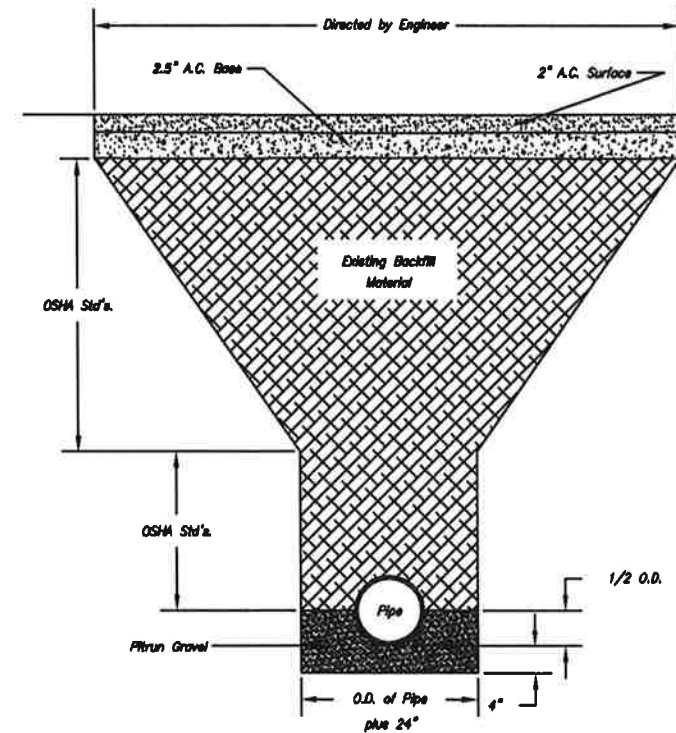
Full Curb



SANITARY SEWER LATERAL
(NOT TO SCALE)

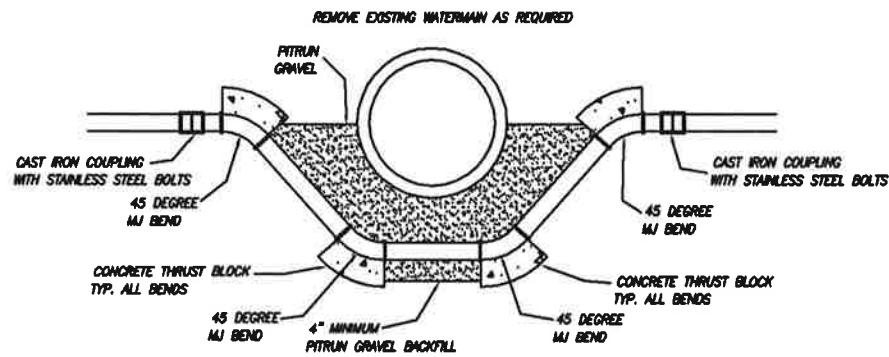


TYPICAL PIPE INSTALLATION
(NOT TO SCALE)



Note: Top four feet (4') of trench shall be compacted to meet A.S.T.M. D1537, 90% Modified, the remainder of trench is to meet A.S.T.M. D1537, 85% Modified.

TYPICAL WATERMAIN RELOCATION
(NOT TO SCALE)



City Eng.	Drawn By:	Checked By:	Date:	Scale:
TRL	JMW	TRL	09/2003	NONE
Approved By:	Drawn By:	Checked By:	Date:	Scale:
TRL	JMW	TRL	09/2003	NONE
Project No. 2005-xx	City of Mandan			
District No. NONE	9TH AVENUE SANITARY SEWER			
	PROJECT NUMBER 2005-xx			