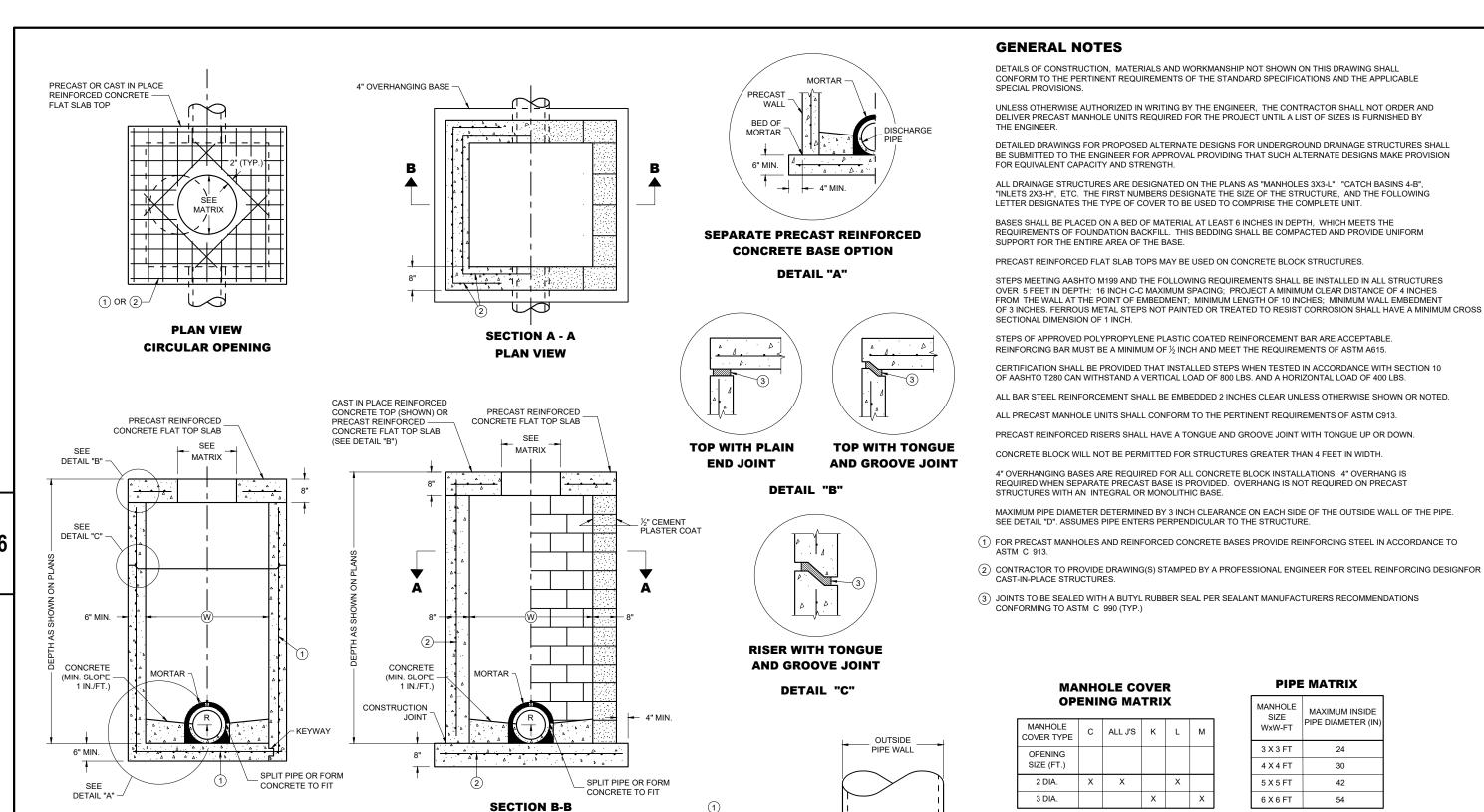


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OPENING MATRIX

MANHOLE COVER TYPE	С	ALL J'S	К	L	М
OPENING SIZE (FT.)					
2 DIA.	Х	Х		Х	
3 DIA.			Х		Х

PIPE MATRIX				
MANHOLE SIZE WxW-FT	MAXIMUM INSIDE PIPE DIAMETER (IN)			
3 X 3 FT	24			
4 X 4 FT	30			
5 X 5 FT	42			
6 X 6 FT	54			

•	0-1
	MANHOLES
	3 X 3 -FT, 4 X 4-FT
	5 X 5-FT AND 6 X 6-FT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

December 2023 DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

DETAIL "D"

OUTSIDE PIPE WALL └─ 3" MIN. (TYP.)

MANHOLES 3 X 3-FT, 4 X 4 -FT, 5 X 5-FT AND 6 X 6-FT

CAST IN PLACE

REINFORCED

CONCRETE

PRECAST REINFORCED

CONCRETE WITH

MONOLITHIC BASE

Ö

08B10-

PRECAST REINFORCED

CONCRETE WITH

INTEGRAL BASE

SQUARE MANHOLES WITH FLAT TOP

CONCRETE BLOCK WITH

CAST IN PLACE OR

PRECAST REINFORCED

CONCRETE BASE

MANHOLE COVER

MANHOLE COVER TYPE	С	ALL J'S	К	L	М
OPENING SIZE (FT.)					
2 DIA.	Х	Х		Х	
3 DIA.			Х		Х

Standard Detail Drawing 8B10

December 2023

Manholes 3x3-FT, 4x4-FT, 5x5-FT, and 6x6-FT

References:

FDM 13-25-15

Bid items associated with this drawing:

ITEM NUMBER	<u>DESCRIPTION</u>	<u>UNIT</u>
611.2033	Manholes 3x3-FT	EACH
611.2044	Manholes 4x4-FT	EACH
611.2055	Manholes 5x5-FT	EACH
611.2066	Manholes 6x6-FT	EACH

Standardized Special Provisions associated with this drawing:

STSP NUMBER TITLE NONE

Other SDDs associated with this drawing:

SDD 8A5 Inlet cover sheets "b" and "e".

SDD 8D17 Manholes, Manhole and Inlet Covers

Design Notes:

Guidelines for matching manhole opening size and manhole covers are provided on the front side of this SDD.

A pipe matrix on the front side of this SDD provides guidance for selecting the maximum inside pipe diameter. The inside pipe diameter was determined by the pipe entering perpendicular to the structure at 90°. Pipes entering at a skewed angle should be evaluated on a case by case basis.

Manholes should be used as follows:

- 1. For cleaning and maintenance locations spaced as recommended in FDM chapter 13
- 2. At changes in pipe size
- 3. At bends in pipe
- 4. Where flow needs to be split or diverted

Contact Person:

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