

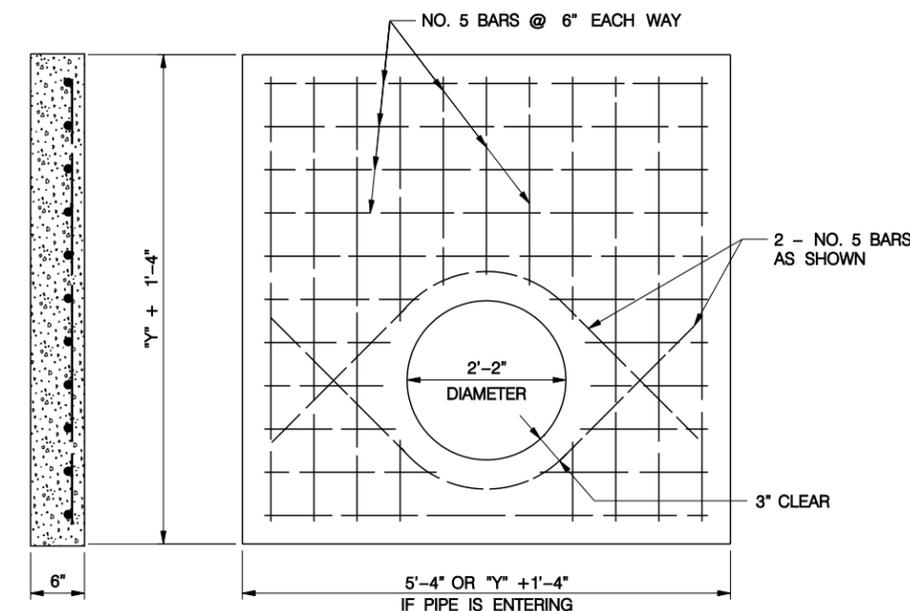
**STORM DRAINAGE MANHOLE TYPE M-1**

PIPE DIAMETER	PIPE WALL THICKNESS-"T"	"X" (MINIMUM)	"Y"
15"-30" INC.	3 1/2"	VARIABLES	4'-6"
36"	4"	3'-9"	5'-0"
42"	4 1/2"	4'-0"	5'-6"
48"	5"	4'-5"	6'-0"
54"	5 1/2"	5'-0"	6'-6"
60"	6"	5'-6"	7'-0"
66"	6 1/2"	6'-1"	7'-8"
72"	7"	6'-7"	8'-3"
78"	7 1/2"	7'-2"	8'-9"

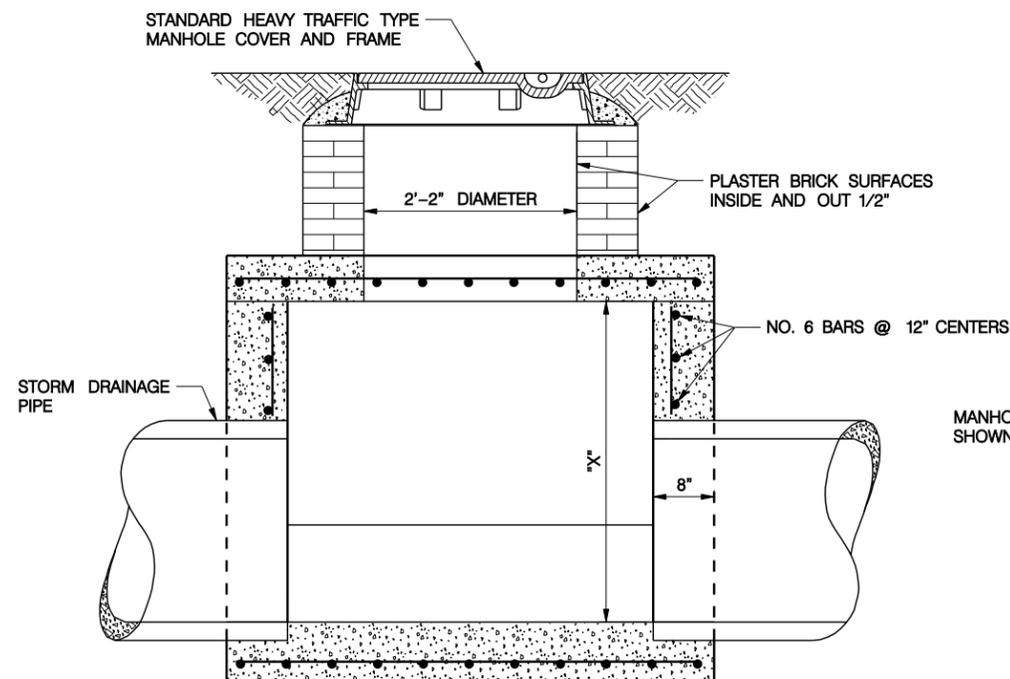
**STANDARD PROCEDURES:**

FOR MANHOLES IN PAVEMENT, PLACE STEPS IN WALL FARTHEST FROM GUTTER. FOR MANHOLES BEHIND CURBS, PLACE STEPS FARTHEST FROM BACK OF CURB.

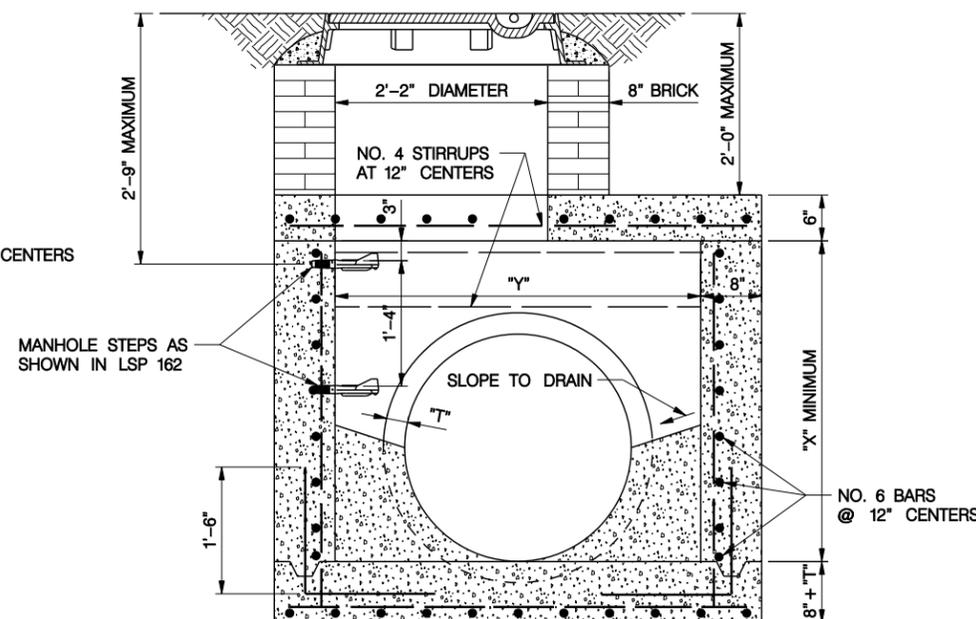
"Y" IS BASED ON THE LARGEST PIPE IN OR OUT



**PRECAST MANHOLE TOP**



**SECTION A-A**



**SECTION B-B**

**STORM DRAINAGE MANHOLE TYPE M-1**

**GENERAL NOTES:**

ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM SERIAL DESIGNATION A-305-507 AND SHALL SATISFY THE BEND TEST REQUIREMENTS FOR STRUCTURAL GRADE STEEL IN ACCORDANCE WITH THE REQUIREMENTS.

ALL CONCRETE SHALL BE L3500.

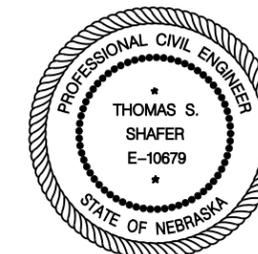
MINIMUM DEPTH OF EMBEDMENT FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE INDICATED.

THE CAST IRON MANHOLE RING AND COVER SHALL BE SET IN A BED OF MORTAR, AND CAREFULLY ADJUSTED TO PROPOSED GRADE.

MANHOLE RING AND COVER SHALL BE CITY OF LINCOLN HEAVY TRAFFIC TYPE. (SEE L.S.P. 162)

MANHOLE STEPS SHALL BE CITY OF LINCOLN STANDARD MANHOLE STEPS. (SEE L.S.P. 162)

ALL REINFORCING STEEL SHALL BE EPOXY COATED.



**EFFECTIVE JULY 1, 2011  
 STORM DRAINAGE MANHOLES, TYPE 'M-1'  
 L.S.P. 141**