



SET FRAME FLUSH WITH PAVEMENT AND EMBED IN MORTAR WHEN LOCATED WITHIN PAVEMENT. SECURE FRAME TO MANHOLE SECTION WITH FOUR 3/4" STAINLESS STEEL CINCH ANCHORS.

**NOTES:**

MINIMUM 6" LEG OF CONCRETE, MEASURED AT INSIDE FACE OF MANHOLE, SHALL BE PROVIDED BETWEEN ALL OPENINGS AND JOINTS. DEVIATIONS MUST BE APPROVED BY MSDGC.

5' DIAMETER MANHOLE SHALL BE CONSTRUCTED OF 60" PRECAST MANHOLE SECTIONS. A 5' TO 4' REDUCER MAY BE USED ABOVE THE BASE SECTION.

3' ECCENTRIC CONE MAY BE USED ONLY WHERE PERMISSION IS GRANTED BY THE CITY.

PRECAST CONCRETE BARRELS AND CONES SHALL MEET THE REQUIREMENTS OF 706.13 OF THE SPECIFICATIONS.

JOINTS ON MANHOLE SECTIONS SHALL BE MADE WITH A RUBBER GASKET MEETING THE REQUIREMENTS OF ASTM C-443, EXCEPT THAT ONLY "O" RING AND PROFILE GASKETS ARE ACCEPTABLE.

LIFT HOLES IN MANHOLES TO BE SEALED WITH HYDRAULIC CEMENT.

MANHOLE FRAME AND COVER CASTINGS SHALL BE IN ACCORDANCE WITH STD. ACC. NO. 49005

THE STANDARD PRECAST MANHOLE BASE, ACC. NO. 49056, MAY BE USED AS AN ALTERNATE TO THIS STANDARD WHERE APPLICABLE.

USE MANHOLE ACC. NO. 49049 FOR CONDUITS 24" TO 42" IN DIAMETER WHEN NOT LOCATED WITHIN PAVED AREAS.

STEPS CONSTRUCTED OF RUBBER COATED CAST IRON, STAINLESS STEEL, OR FIBER REINFORCED PLASTIC SHALL BE PROVIDED ON ALL MANHOLES.

A MIN. 12" WIDTH EXTERIOR SEALANT WRAP, SUCH AS "WRAPIDSEAL" OR APPROVED EQUAL, SHALL BE PROVIDED AROUND JOINTS AND CASTING IN HIGH WATER TABLES, WHEN SPECIFIED ON PLANS.

THE METROPOLITAN SEWER DISTRICT  
OF GREATER CINCINNATI  
**STANDARD MANHOLE  
ON SANITARY CONDUITS  
42" AND UNDER**

NO SCALE DATE: JAN. 2018

APPROVED: *Ryan Weld*  
SEWERS CHIEF ENGINEER

ACC. NO. 49037

M.C.