



CAST IN @ SKEW OF 15° TO ACCEPT  
PIPE INSTALLED @ GRADE OF 30% ±



SECTION A-A

PRECAST CONCRETE  
DROP BARREL SECTION

SECTION B-B

PRECAST CONCRETE  
DROP BASE SECTION

**NOTES:**

MANHOLE BASES SHALL BE INSTALLED ON A  
6" MINIMUM GRAVEL BASE (#57 CLEAN WASHED TYPE#1).

THE SEAL BETWEEN PRE-CAST MANHOLE BASE (RISER)  
AND INFLUENT AND/OR EFFLUENT CONDUIT SHALL  
BE A RUBBER GASKET, "A-LOK", "KOR-N-SEAL",  
"DURA-SEAL" OR AN APPROVED EQUAL.

**NOTES:**

REINFORCEMENT STEEL TO BE AS ACC. NO. 49056.

DROP MANHOLES SHALL ONLY BE USED  
WHERE APPROVED BY M.S.D.

ALL OTHER CHARACTERISTICS ARE SIMILAR  
TO ACC. NO. 49037 OR 49049.

ALL CONCRETE SHALL BE CLASS "C".

LIFT HOLES IN MANHOLES TO BE SEALED WITH  
HYDRAULIC CEMENT.

INTERMEDIATE MANHOLE SECTIONS SHALL BE  
PRECAST SECTIONS WITH THE DROP CAST AS  
PART OF THE SECTION AND COMPATIBLE WITH  
THE PRECAST BARREL AND BASE SECTIONS.

THE GASKET BETWEEN THE PRECAST BASE  
AND RISERS SHALL MEET THE REQUIREMENTS  
OF ASTM C-443 EXCEPT THAT ONLY  
"O" RING AND PROFILE GASKETS ARE ACCEPTABLE.

DROP CONNECTIONS ON SANITARY SEWERS*	
CONDUIT SIZE	STACK SIZE
8"	8"
12"	8" MIN.
15" AND OVER	12" UNLESS OTHERWISE NOTED ON PLANS

\* ON COMBINED SEWERS, DROP CONNECTION  
TO BE SAME SIZE AS MAIN LINE.

THE  
METROPOLITAN SEWER DISTRICT  
OF  
GREATER CINCINNATI  
**STANDARD**  
**PRECAST CONCRETE**  
**DROP MANHOLE**

NO SCALE DATE: DEC. 2010  
APPROVED: *Ralph Johnston*  
SEWERS CHIEF ENGINEER

M.C.

(ALTERNATE FOR ACC. NO. 49003)

ACC. NO. 49003-A