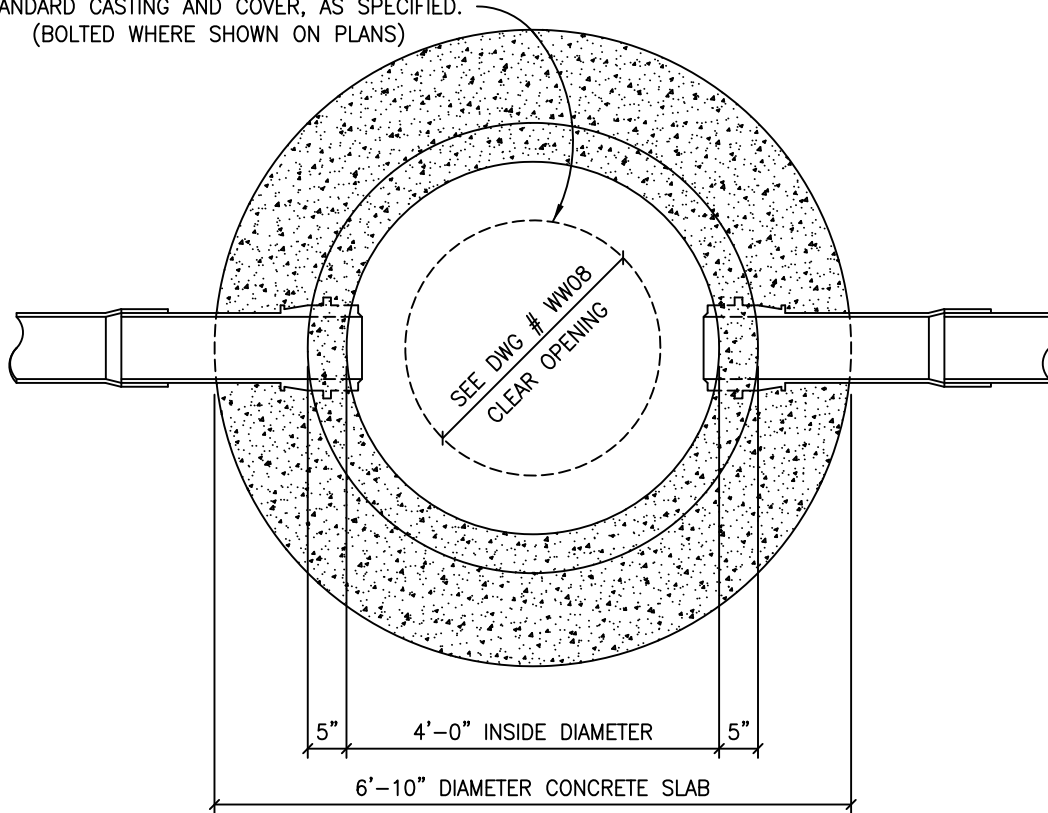


STANDARD CASTING AND COVER, AS SPECIFIED.
(BOLTED WHERE SHOWN ON PLANS)



MANHOLE PLAN

MANHOLE BASE BEDDING MATERIAL SPECS FOR 3/4" WASHED GRAVEL OR LIMESTONE:	
2"	0
1 1/2"	0-10
1"	45-80
3/4"	85-100
3/4"	95-100

NOTES:

1. ALL MANHOLES SHALL BE 48" I.D. R.C.P., CLASS III, WITH RUBBER O-RING GASKET JOINTS CONFORMING TO ASTM C478, C433 AND C76.
2. ALL MANHOLES SHALL HAVE WATER-TIGHT FRAME AND COVER, WITH A MINIMUM OF 30" CLEAR OPENING, AS MANUFACTURED BY EAST JORDAN IRON WORKS (AS PER DETAIL WW08 AND WW09) OR CITY ENGINEER APPROVED EQUAL.
3. ALL MANHOLES SHALL BE CONCRETE WITH CAST IRON FRAME AND COVER.
4. ALL MANHOLES SHALL HAVE A CONCENTRIC CONE.
5. MANHOLES MAY HAVE A FLAT LID, IF APPROVED BY CITY OF HUTTO, BEING 12" THICK WITH A MINIMUM 30" OPENING, AS MANUFACTURE BY CALVERT CONCRETE OR CITY ENGINEER APPROVED EQUAL M.F.G. CONFORMING TO ASTM C478, 5000 P.S.I. CONCRETE, TRAFFIC BEARING, AND O-RING JOINT CONFORMING TO ASTM C443.
6. INVERTS AND FLEXIBLE SEAL BOOTS, PER ASTM C-923, SHALL BE CAST INTO BASE SECTION.
7. MINIMUM DROP BETWEEN INVERTS SHALL BE ONE-TENTH OF A FOOT (0.1').
8. TWO INCH (2") GRADE RINGS WITH AN I.D. TO MATCH FRAMES CLEAR OPENING, MINIMUM OF TWO (2), MAXIMUM OF FIVE (5) GRADE RINGS REQUIRED.



CITY OF HUTTO
CONSTRUCTION STANDARDS AND DETAILS
STANDARD MANHOLE
PLAN
ENGINEERING & PUBLIC WORKS

DRAWING NO.	WW03
UPDATED:	01/08/2020
DRAWN BY:	BB
SCALE:	N.T.S.
FILE NAME	WW03.DWG