CONCENTRIC MANHOLE

NOTE:
1. P.C.C. shall be Class "A", construct per Section 1.04.14 of Standard Specifications (Cement Type V).
2. Where manhole is constructed in easement or other non street location, manhole frame and cover shall be 6" above ground elevation.
3. Eccentric manhole is preferred over concentric manhole.
4. All manholes are to be constructed watertight.
5. For sanitary sewer manhole, steps shall be placed 13" O.C. from bottom to top. Copolymer polypropylene plastic coated 1/2" grade 60 steel reinforcement by MA industries PS2-PF or approved equal shall be used. Steps are not to be installed in storm drain manhole.
6. Precast manhole base and barrel shall conform to State Specification Section 70 or approved equal. All castings for manholes, such as rings and covers, shall possess a tensile strength of not less than 16,000 psi.
DROP ECCENTRIC MANHOLE

NOTE:
1. No drop within cone section.
2. Steps on vertical side.
3. Refer to Sheet 1 and 3 for details not shown.
4. All drops are subject to review and approved on a case by case basis by City Engineer.

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION
SANITARY AND STORM MANHOLE

REVISION DATE
A 2017

STANDARD DRAWING NO. 230B
DATE : 6/27/17
SHEET 2 OF 3

APPROVED BY:
INTERIM CITY ENGINEER RCE No. 58710
Waterspot joint at end of pipe to limit groundwater infiltration

Flexible joint shall be used for pipe connection within 3' from M.H.

Seal inside joint with cement grout

1" min. fall from "IN" pipe to "OUT" pipe

6" min.

48"

66"

SECTION B-B

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION

SANITARY AND STORM MANHOLE

STANDARD DRAWING NO. 230

DATE : 6/15/10

APPROVED BY: PUBLIC WORKS DIRECTOR / CITY ENGINEER RCE No. 40283

SHEET 3 OF 3