

### 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.

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION

STANDARD DRAWING

## SANITARY AND STORM MANHOLE

NO. 230

DATE : 6/15/10

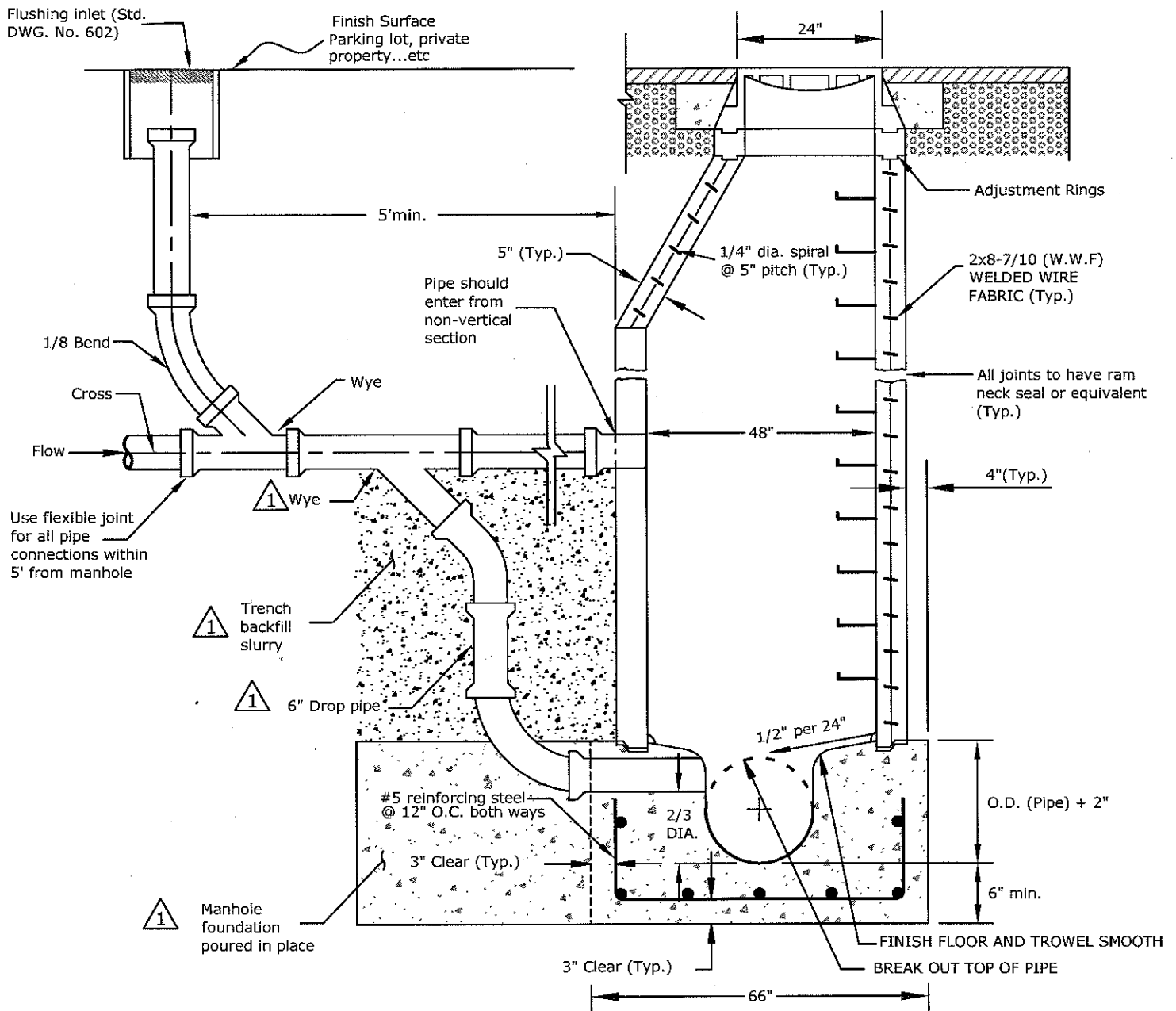
APPROVED BY:

3

PUBLIC WORKS DIRECTOR / CITY ENGINEER *RCS* No. 40283

SHEET 1 OF 3

REVISION	DATE
1	1958
2	2001
3	2010



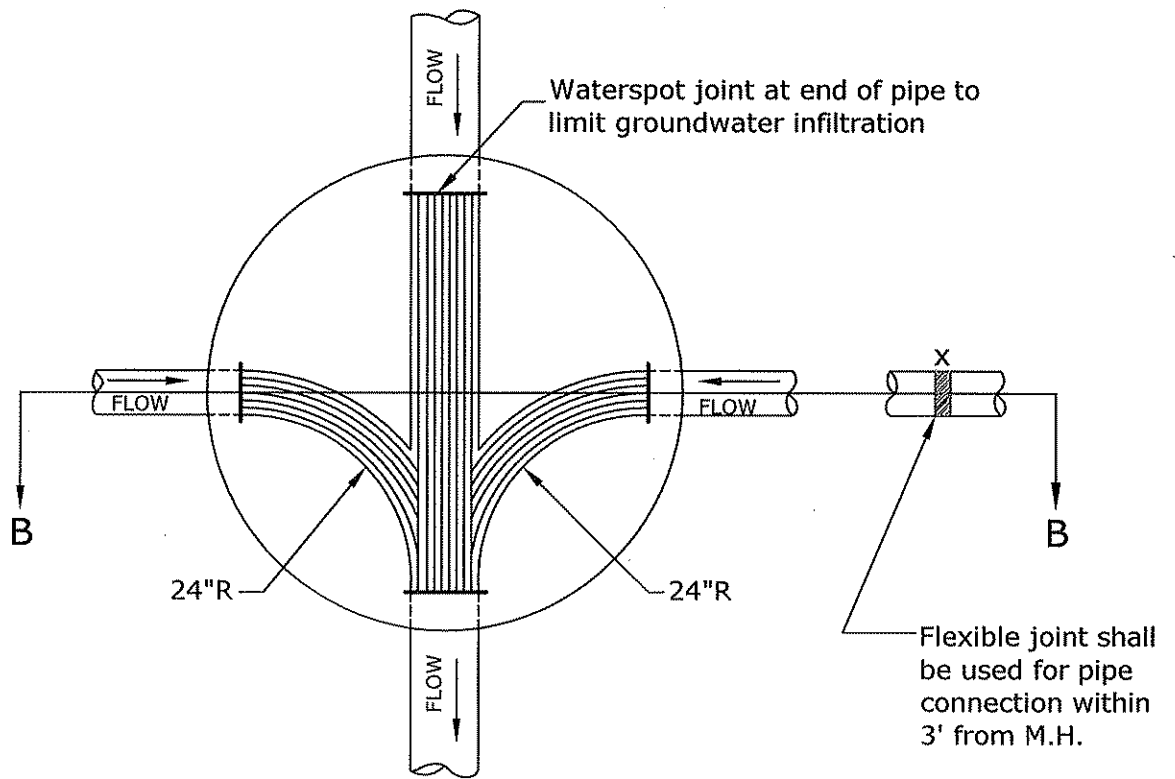
## DROP ECCENTRIC MANHOLE

**NOTE:**

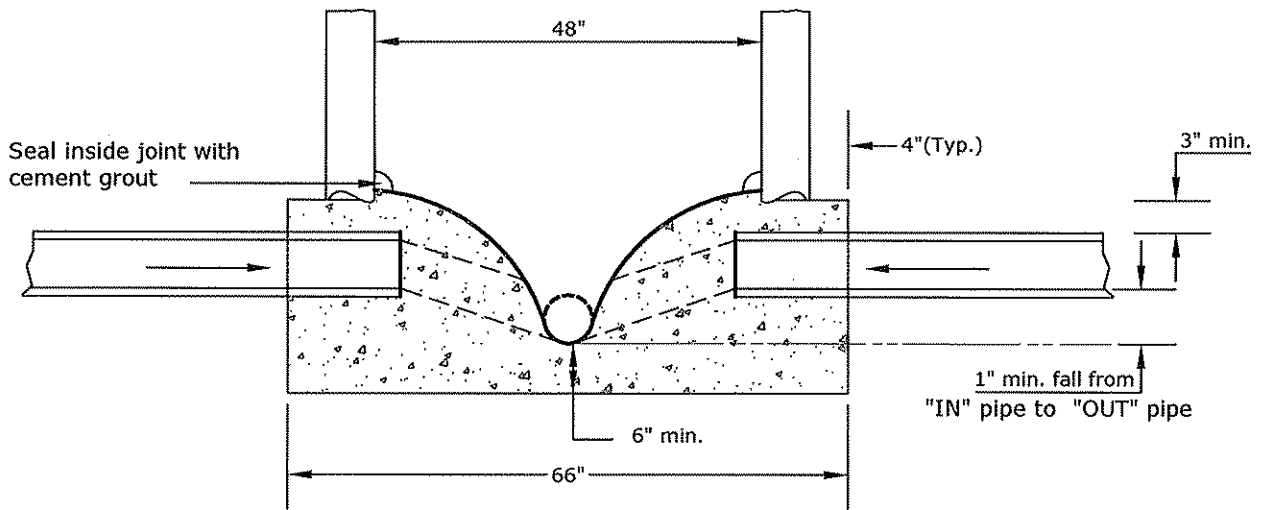
1. No drop within cone section.
2. Steps on vertical side.
3. Refer to Sheet 1 and 3 for details not shown.
4. All drops are subject to review and approved on a case by case basis by City Engineer.

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION		<h1 style="margin: 0;">SANITARY AND STORM MANHOLE</h1>	STANDARD DRAWING NO. 230B
REVISION	DATE		DATE : 6/27/17
1	2017	APPROVED BY:	SHEET 2 OF 3
		INTERIM CITY ENGINEER	RCE No. 58710



MANHOLE BASE



SECTION B-B

NOT TO SCALE

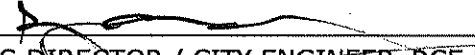
CITY OF MILPITAS, ENGINEERING DIVISION

STANDARD DRAWING  
NO. 230

SANITARY AND STORM  
MANHOLE

DATE : 6/15/10

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SHEET 3 OF 3