

NOTES

- 1. VALUES for A,B,C,D₁,D₂, Elevation R, and Elevation S are shown on the plan. TABLE of values for F and T hereon.
- 2. LATERALS: If laterals enter on both sides of manhole, access shaft shall be located on side receiving the smaller lateral.
- 3. Center of manhole shaft shall be located over centerline of storm drain when D_I is 48"or less, in which case place 4 E bars symmetrically around shaft 45° with centerline.
- 4. Length of manhole may be increased at option to meet pipe ends, but any change in location of spur must be approved by the Engineer.
- 5. DETAIL M: When depth of manhole from street to top of box is less than 2'-101/2" for paved streets or 3'-6" for unpaved streets, construct monolithic shaft as per Detail M. Construction of shaft as per Detail M for any depth of manhole is optional. When diameter D_I is 48" or less, center of shaft shall be located as per Note 3.
- 6. Reinforcing steel shall be 1½"clear from face of concrete unless shown otherwise. Tie bars shall be #3, and spaced 18"on centers or closer. Steel schedule detailed on plan.
- 7. Embedment P shall be 5"for D₂=96"or less and 8"for D₂ over 96".
- 8. Steps shall be spaced 14" to 15" O. C. Where the distance from top step in the shaft is greater than 12" below finish grade, a step shall be installed below the M.H. frame. The top step and those in the 24"dia. section shall project 3" inside the M.H. and all others 5".
- 9. Floor of manhole shall be steel troweled to springing line.
- 10. Body of manhole, including spur, shall be poured in one continuous operation, except that a construction joint at the springing line with a longitudinal keyway permitted.
- 11. Elevation "S" applies at inside wall of structure.

REVISIONS	CITY OF LONG BEACH, CALIFORNIA	STANDARD
NO. DATE	DEPARTMENT OF PUBLIC WORKS	PLAN NO.
1	MANHOLE NO. 4 36" PIPE OR LARGER	004
2	WITH SIDE INLET	624
3	APPROVED BY: Savard July DATE: 6-26-89	SHEET
	CTV DICHES RE N 24233	2 05 2