



## **GENERAL NOTES**

- 1. Table of values for T are on Std Plan 314 Sheet 1.
- 2. Center of Manhole Shaft shall be located over center line of storm drain when diameter D1 is 48" or less in which case place E bar symmetrically around shaft at 45" with center line.
- 3. Length L shall be 5'-6" unless otherwise shown on improvement plan.
- 4. Detail M: When depth of manhole from street grade to top of box is less than 2'-10½" for paved streets or 3'-6" for unpaved streets, construct monolithic shaft as per detail M. When diameter D is 48" or less, center of shaft shall be located as per note 2.
- 5. Thickness of Deck shall vary when necessary to provide level pipe seat, but shall not be less than tabular values for T shown on Std Plan 314 Sheet 1.
- 6. Reinforcing Steel shall be round, deformed bars, 1½" clear from face of concrete unless otherwise shown. Sizes and lengths are shown in table on Std Plan 314 Sheet 1.
- 7. Steps shall be  $\frac{1}{4}$ " round, galvanized steel and anchored not less than 6" in the walls of the stucture. Unless otherwise shown, the spacing shall be 1'-4" on center. The lowest step shall be not less than 2'-6" above the invert.
- 8. Rings, Reducer, and Pipe for access shaft shall be seated in 1:2 mortar and neatly pointed or wiped inside the shaft.
- 9. Stations of manhole shown on improvement plan apply at center of shaft.
- 10. Floor of manhole shall be steel-troweled to spring line.
- 11. Body of manhole shall be constructed in one continuos operation, except that Contractor shall have the option of placing a construction joint with a longitudinal keyway at the spring line.
- 12. Raise manhole frames and cover 18" above finish surface when in unpaved areas.

4-2-04
DATE APPROVED

ASSISTANT CITY ENGINEER

CITY OF ORANGE

PUBLIC WORKS DEPARTMENT

JUNCTION STRUCTURE TYPE II (OUTLET DIAMETER-42" OR GREATER)

STANDARD PLAN No. 314
SHEET 2 OF 2