

MANHOLE STANDARDS

NEW MANHOLE

1. Manhole shall be constructed so as to prevent load to the existing pipe. The base of the manhole shall provide a minimum of 9 inches of concrete beneath the existing pipe placed on 12 inches of one inch gravel bedding.
2. Manhole floor elevation shall be a minimum of 2 inches above top of pipe, have a 12:1 slope to the pipe, and a smooth finish.
3. Connection to manhole shall be made using a flexible, watertight connection method, Kor-n-seal or equal.
4. Manhole shall be constructed using a pre-cast eccentric type sections with polypropylene coated ladder rungs and cast iron traffic type frame and cover marked "NORTH DAVIS SEWER". Section joints shall be sealed with rubber gaskets and shall be watertight.
5. Invert of branch line at manhole connection shall be adjusted to be at or near crown of existing main line.
6. Branch line channel to be formed with same slope, size, depth, and shape as pipe with smooth finish; it shall be curved in direction of flow with uniform radius and minimize dropping and splashing of flow.
7. Cutting into existing line shall be made by smooth saw cuts.
8. Installing contractor shall be responsible for proper slope and installation of connecting line.
9. Installing contractor shall be responsible for proper backfilling, compacting, and pavement restoration.
10. Contractor shall notify District 48 hours before installation begins and a District inspector must be present before installation takes place.

CONNECTION TO AN EXISTING MANHOLE

1. Item numbers 3, 5, 8, 9, and 10 above shall apply.
2. In addition, the manhole junction channel shall be constructed to the same size, shape, and slope of the incoming line. Channel shall curve in the direction of flow with uniform radius and minimize dropping and splashing of flow.
3. No manhole will be connected to until complete diagrams of the manhole and line installation are submitted to the District for approval - 14 days prior to work commencing.