

CONSTRUCTION NOTES:

- (1) Install manhole frame & cover per STD-112-L and STD-409-L.
- 2 Construct concrete collar 12"x 6".
- (3) Install 3" grade ring where required.
- (4) Install 6" grade ring.
- (5) 6" Rubber couplings outside manhole base.
- (6) Install steps per STD-404-L

GENERAL NOTES:

- 1. For drop manhole see drawing STD-403-L.
- The difference in elevation at each end of the invert of the manhole channel shall be 0.20 feet. Shelf slope shown is minimum.
- 3. For new manhole installations, lay new sewer pipe through manhole and cut out pipe for channel after base is poured.
- 4. All connections to existing manholes shall be core drilled and water tight when completed. Approved method for pipe to manhole connections: Use couplings with elastomeric gasket seals. Cement—grout into manhole walls. Insert pipe through coupling.
- 5. 60" Manhole for depth of 15' or greater.

CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT RCE NO. 36106 PUBLIC WORKS DIRECTOR Drawn: M. Elias Date: Jan. 2004 DRAWING NO. STD-401-L