



### CONSTRUCTION NOTES:

- ① Install frame & cover per STD-112-L & STD-409-L.
- ② Brick mortar shall be class "D" as per Section 201-5.1.
- ③ Construct manhole base as shown. Install manhole channel inside, as detailed in STD-401-L.
- ④ Construct concrete collar.
- ⑤ Install steps per STD-404-L.

### GENERAL NOTES:

1. Brick manholes may only be used by special permission of the Utilities Department.
2. For use on sloped sewer easement areas where mains are shallow (less than 5 ft. cover) and where manholes are not easily accessed.
3. Mortar joints inside the manhole shall be finished smooth.
4. See STD-111-L for manhole adjustment.
5. Manholes on steep slopes may require masonry retaining walls. Where necessary, wall face shall be 24" clear from manhole rim.

CITY OF NEWPORT BEACH  
PUBLIC WORKS DEPARTMENT

BRICK SEWER MANHOLE

APPROVED:

RCE NO. 36106

PUBLIC WORKS DIRECTOR

Drawn: M. Elias

Scale: N.T.S.

Date: Jan. 2004

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STD Details\2003 -Std\STD Sewer

DRAWING NO.

STD-402-L