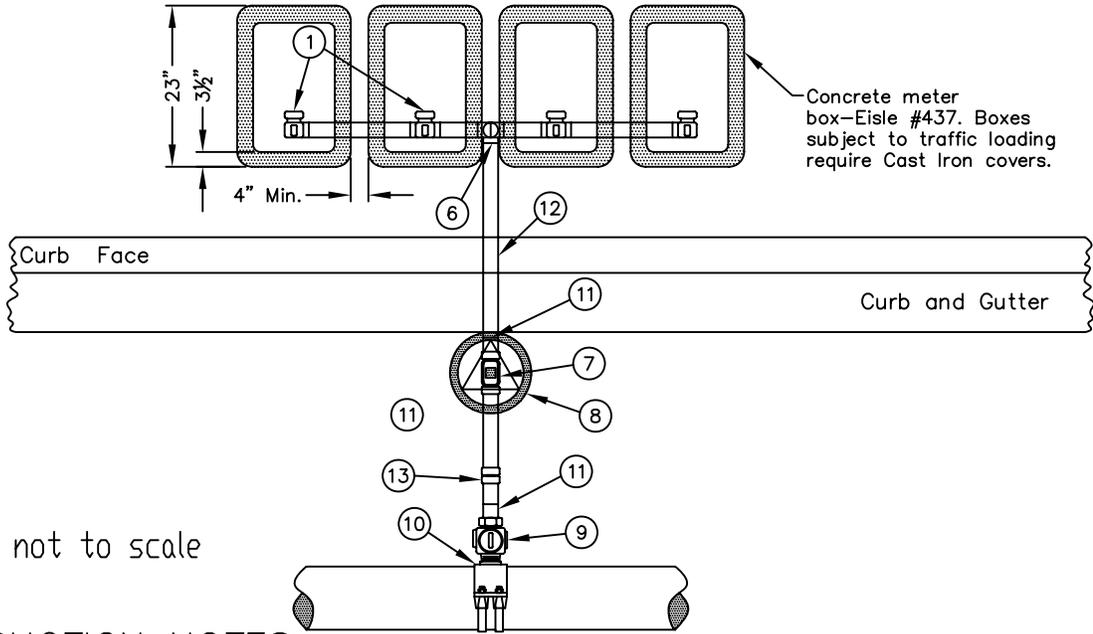


SECTION VIEW: not to scale



PLAN VIEW: not to scale

CONSTRUCTION NOTES:

- ① Angle meter stop with copper flare inlet. James Jones J-1524 or Ford KV-23444-W.
- ② 1" corp. stop with IPT inlet & copper flare outlet. James Jones J-1505 or Ford F-700.
- ③ 1" wrot copper adapter, male solder x FIP thread. Lee #15-115 or equal.
- ④ 2" x 1" cast brass reducing 90° ell with female solder ends. Lee #10-235 or equal.
- ⑤ 2" x 1" wrot copper tee with female solder ends. Lee #15-460.
- ⑥ 2" x 2" wrot copper tee with female solder ends. Lee #15-460.
- ⑦ 2" tee head ball corp., MIP thread ends. Jones J-1945 with J-2816 square valve operating nut adapter or Ford FB-500, tee-head & QT67 adapter nut.
- ⑧ Brooks No. 4TT or Eisle No. 4TT Valve box cover & riser per CNB STD-511-L.
- ⑨ 2" ball corp. stop with MIP thread inlet & outlet. James Jones J-1943 or Ford FB-500.
- ⑩ Double strap bronze service clamp with IPT outlet. James Jones J-979 or Ford 202B. Refer to STD-502-L for water main tap details.
- ⑪ 2" wrot copper adapter, FIP x female solder joint. Lee #15-105 or equal.
- ⑫ 2" wrot copper 90° ell with female solder ends. Lee #15-235 or equal.
- ⑬ 2" wrot copper 45° ell with female solder ends. Lee #15-290 or equal.

GENERAL NOTES:

- 1. No more than four (4) services may be installed on a manifold.
- 2. All fittings shall be silver soldered. Lead based solder materials are strictly prohibited.
- 3. Couplings will be permitted at intervals of 20 ft. in 2" service lines of rigid copper. Lee wrot coupling #15-165 or equal shall be used at joints.
- 4. Tubing shall be bent with an approved bender. Distortion of the O.D. shall not exceed J of its original diameter.
- 5. Refer also to CNB STD-502-L, STD-503-L, STD-504-L, STD-505-L, STD-511-L.

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

**1" Multiple
Service Manifold**

APPROVED:

RCE NO. 36106

PUBLIC WORKS DIRECTOR

Drawn: M. Elias

Scale: N.T.S.

Date: Jan. 2004

F:\USERS\PBW\Shared\CAD STD\STD Details\2003 -Std\STD Water

DRAWING NO.

STD-519-L