



CONSTRUCTION NOTES:

- ① Male IPT brass nipple on (private) service line.
- ② Bronze meter flange, female IPT inlet. Ford CF-31-77 or Jones J-129.
- ③ Meter shall be installed by City after meter box is in place.
- ④ Angle meter ball stop with female IPT inlet and tee-head with lock-wing, Jones J-1974W or Ford BFA13-777W.
- ⑤ Type "K" rigid copper tubing.
- ⑥ Long radius 90° elbow, NIBCO or equivalent domestic copper fitting.
- ⑦ Copper coupling, NIBCO or equivalent domestic copper fitting. If service line is over 20 feet in length.
- ⑧ Male IPT inlet by male IPT outlet ball corporation stop, Jones J-1943 or Ford FB-500-7.

- ⑨ Double bronze strap service saddle with Iron Pipe Thread. Jones J-979 or Ford 202B-IP7.
- ⑩ Concrete meter box, Eisle #655 1/2. Boxes subject to traffic loading require steel traffic covers.
- ⑪ Copper 45° elbow, NIBCO or equivalent domestic copper fitting.
- ⑫ 2" Brass coupling, (threaded) on Corp.
- ⑬ Copper adapter, male IPT x wrot copper, Lee 15-101 or equal.

* see general note no. 7

GENERAL NOTES:

- 1. Wrot copper, silver brazed, solder couplings will be permitted at intervals of 20 feet or greater.
- 2. Tubing may not be bent. All deflections and changes in direction of copper tube shall be accomplished by means of wrot copper fittings. Bent or damaged copper lines shall be rejected.
- 3. See STD-516-L for minimum spacing of multiple service connections.
- 4. See STD-505-L for service connections on steel water mains.
- 5. Lead solder shall not be used. Solder shall be silver based material.
- 6. Flare and compression fittings are strictly prohibited.
- 7. Maintain positive slope in service line from water main to meter box. Main may be tapped at spring line (by special permission only) where mains are shallow or other conditions warrant.
- 8. All fittings shall be 2" diameter.
- *9. Where services are to be installed on steel water mains, refer to STD-505-L.

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

APPROVED:

RCE NO. 36106

PUBLIC WORKS DIRECTOR

Drawn: M. Elias

Scale: N.T.S.

Date: Jan. 2004

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DRAWING NO.

STD-503-L

2" WATER SERVICE