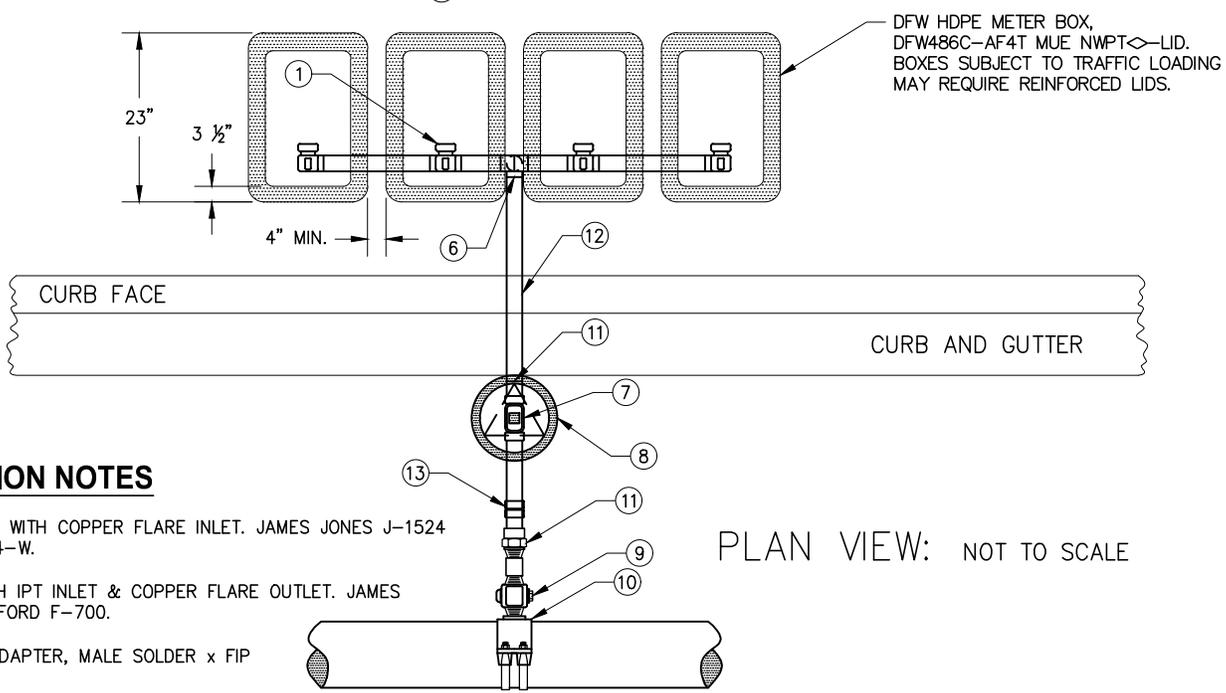


SECTION VIEW: NOT TO SCALE



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. NIBCO.
- ④ 2" x 1" CAST BRASS REDUCING 90° ELL WITH FEMALE SOLDER ENDS. NIBCO TYPICAL, USA.
- ⑤ 2" x 1" WROT COPPER TEE WITH FEMALE SOLDER ENDS. NIBCO.
- ⑥ 2" x 2" WROT COPPER TEE WITH FEMALE SOLDER ENDS. NIBCO.
- 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 513.
- 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 510 FOR WATER MAIN TAP DETAILS. WRAP IN (10 MIL) THICK PLASTIC SHEETING.
- ⑪ 2" WROT COPPER ADAPTER, MALE NPT. NIBCO.
- ⑫ 2" WROT COPPER 90° ELL WITH FEMALE SOLDER ENDS. NIBCO.
- ⑬ 2" WROT COPPER 45° ELL WITH FEMALE SOLDER ENDS. NIBCO.

**GENERAL NOTES**

- 1. USE OF THIS STANDARD SHALL REQUIRE SPECIAL WRITTEN PERMISSION BY THE CITY.
- 2. ALL CONNECTIONS TO LINED AND COATED STEEL MAINS REQUIRE SPECIAL APPROVAL FROM THE UTILITIES DEPARTMENT.
- 3. NO MORE THAN FOUR (4) SERVICES MAY BE INSTALLED ON A MANIFOLD.
- 4. ALL FITTINGS SHALL BE SILVER SOLDERED. LEAD BASED SOLDER MATERIALS ARE STRICTLY PROHIBITED.
- 5. COUPLINGS WILL BE PERMITTED AT INTERVALS OF 20 FT. IN 2" SERVICE LINES OF RIGID COPPER. NIBCO OR EQUAL SHALL BE USED AT JOINTS.
- 6. TUBING SHALL BE BENT WITH AN APPROVED BENDER. DISTORTION OF THE O.D. SHALL NOT EXCEED J OF ITS ORIGINAL DIAMETER.
- 7. REFER ALSO TO CNB STD 502, STD 503, STD 510, AND STD 513.

FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 519-L

APP. *James M. Hinkle* 51568 11/24/2020  
 CITY ENGINEER RCE DATE

NO.	DATE	DESCRIPTION OF REVISIONS

**CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS**

DRAWN: M. ELIAS  
 DATE: 11/3/2020

**1" MULTIPLE SERVICE MANIFOLD**

STANDARD DRAWING NO.  
**506**  
 SHEET 1 OF 1