



CONSTRUCTION NOTES

- ① MALE IPT BRASS NIPPLE ON (PRIVATE) SERVICE LINE, USA.
- 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. MUELLER/HERSEY AMI METER.
- 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 IF SERVICE LINE IS OVER 20 FEET IN LENGTH, A COPPER FITTING (NIBCO OR EQUIVALENT DOMESTIC COPPER FITTING) MAY BE USED. FOR REPAIRS ONLY, A COMPRESSION FITTING MAY BE USED ONLY WITH AN APPROVAL FROM THE UTILITIES DEPARTMENT.
- ⑧ MALE IPT INLET BY MALE IPT OUTLET BALL CORPORATION STOP, JONES J-1943 OR FORD FB-500-7.
- ⑨ DOUBLE BRONZE STRAP SADDLE WITH IRON PIPE THREAD. JONES J-979 OR FORD 202B-IP7. FOR PVC, USE JONES J-969 OR FORD 202BS-IP7 WRAP IN PLASTIC SHEETING (10 MIL.)
- ⑩ DFW HDPE METER BOX, DFW65CB-AF4T MUE NWPT<->-LID. BOXES SUBJECT TO TRAFFIC LOADING REQUIRE TRAFFIC RATED COVERS. (NO APPROVED EQUAL).
- ⑪ COPPER 45° ELBOW, NIBCO OR EQUIVALENT DOMESTIC COPPER FITTING.
- ⑫ 2" BRASS COUPLING, (THREADED) ON CORP, NIBCO, USA.
- ⑬ COPPER ADAPTER, MALE IPT X WROT COPPER, NIBCO TYPICAL. NO THIN WALL FITTINGS.

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. SPACING OF MULTIPLE SERVICE CONNECTIONS SHALL BE A MINIMUM OF 24" APART AND 45° ANGLE OR OTHERWISE PERMITTED BY UTILITIES DEPARTMENT.
- 4. SEE STD 510 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 510.

FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 503-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

2" WATER SERVICE

STANDARD DRAWING NO.
503
 SHEET 1 OF 1