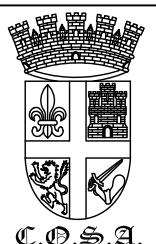


INSTALL PIPE, FITTINGS, AND RESTRAINTS AS DESIGNED TO CONNECT TO EXISTING WATER MAIN (SEE NOTES 1 & 2)

NOTES:

1. THIS DETAIL IS MEANT TO PROVIDE THE INTENDED LAYOUT FOR LARGE TAPS AND METERS. THIS DETAIL WILL NOT APPLY EXACTLY AS DRAWN TO ALL INSTALLATIONS DUE TO SPECIFIC SITE CONDITIONS.
2. THE PROJECT ENGINEER SHALL PROVIDE A SITE-SPECIFIC DRAWING TO THE CITY ENGINEER FOR APPROVAL PRIOR TO ORDERING MATERIALS AND PRIOR TO INSTALLATION.
3. CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS EXCEPT THE WATER METER. CITY OF ST. AUGUSTINE WILL INSTALL THE WATER METER IN THE METER BOX ASSEMBLY THAT IS FULLY CONSTRUCTED BY THE CONTRACTOR IN ACCORDANCE WITH THIS DETAIL.
4. ALL MATERIALS TO CONFORM TO CITY OF ST. AUGUSTINE LIST OF APPROVED MATERIALS AND MANUFACTURERS, OR PRE-APPROVED EQUAL.
5. SHOP DRAWINGS ARE REQUIRED FOR METER BOX. BOX TO BE LARGE ENOUGH TO ACCOMMODATE MINIMUM CLEARANCE DIMENSIONS SHOWN ON THIS DETAIL.
6. LID TO BE DOUBLE-HATCHED ALUMINUM WITH HANDLES. (PROVIDE SHOP DRAWING.)
7. LOCATE WIRE IS REQUIRED FROM EXISTING WATER MAIN TO METER BOX. SEE LOCATE WIRE DETAILS.
8. METER ASSEMBLY AND BYPASS PIPE TO BE DUCTILE IRON, UNLESS APPROVED OTHERWISE IN ADVANCE BY THE CITY ENGINEER. PVC C-900 MAY BE USED BETWEEN TAP AND BYPASS TEE, IF APPROVED BY CITY ENGINEER.
9. ALL VALVES AND FITTINGS TO BE DUCTILE IRON RESTRAINED JOINT, UNLESS APPROVED OTHERWISE IN ADVANCE BY THE CITY ENGINEER.
10. PIPE FROM TAP TO BYPASS TEE SHALL BE RESTRAINED AS NECESSARY. SEE MECHANICAL RESTRAINT DETAILS.
11. PIPE AND FITTINGS TO BE SAME SIZE AS METER. MINIMUM 4" TAP (3" TAPS ARE NOT ALLOWED). SERVICE LINE MAY BE REDUCED TO 3" AFTER TAPPING VALVE FOR 3" METER. BYPASS SIZE MAY BE REDUCED, AS APPROVED IN ADVANCE BY THE CITY ENGINEER.
12. MAXIMUM DEPTH OF LARGE WATER METERS SHALL BE 36".
13. MINIMUM SPOOL PIECE LENGTH IS 30".
14. MINIMUM LENGTH OF STRAIGHT PIPE TO BE INSTALLED FROM TAPPING VALVE TO METER BOX SHALL BE EQUAL TO 8 PIPE DIAMETERS, AND SHALL NOT BE LESS THAN 30", UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
15. TURBINE METER INSTALLATIONS REQUIRE A TEST TEE TO BE INSTALLED BETWEEN THE METER AND VALVE ON THE CUSTOMER SIDE OF THE METER.

* NOTE: BYPASS SIZE CAN BE REDUCED, AS APPROVED IN ADVANCE BY THE CITY. IF 2" BYPASS IS APPROVED, THEN PIPE SHALL BE 2" SDR-9 HDPE POLYTUBING (NO MJ BENDS) WITH BALL VALVE WITH BOX AND COVER.



3" OR 4" WATER METER SET-UP WITH BACKFLOW PREVENTER CONFIGURATION (ALTERNATE)

REVISION DATE:	FEB 2017
NOT TO SCALE	W-2D (ALT)