



**HORIZONTAL METER INSTALLATION**

- (A) CAST IRON SERVICE SADDLE W/ S.S. BANDS WILL BE USED ON ALL WATER MAINS.
- (B) 1 1/2" OR 2" CORPORATION STOP (CC OR IP). X COMPRESSION.
- (C) 1 1/2" OR 2" HDPE @ COPPER TUBING SIZE, HIMOL W/ S.S. INTERNAL POLY STIFFENERS W/ 12 GA SOLID COPPER BLUE COATED LOCATE WIRE.
- (D) 1 1/2" OR 2" ANGLE METER VALVE, COMPRESSION X FLANGE.
- (E) 1 1/2" OR 2" ANGLE METER CHECK VALVE IP X FLANGE.
- (F) HDPE METER BOX WITH EJIW #1730 TR METER COVER, MIDSTATES # 173018B OR RAVEN METER BOX # 17X30X18 OR APPROVED EQUAL
- (G) METER SETTER W/ BYPASS MAYBE USED IN PLACE OF D AND E.

**NOTES:**

1. SERVICE LINES SHALL BE PERPENDICULAR TO THE WATERMAIN, UNLESS OTHERWISE APPROVED BY THE ENGINEER. METER SETTERW/ BYPASS SHALL BE USED ON ALL DOMESTIC SERVICE LINES IN PLACE OF (D) AND (E).
2. SERVICE SADDLE WILL BE INSTALLED AND. CORPORATION STOPS WILL BE TAPPED INTO AN "EXISTING MAIN" BY CITY FORCES ONLY.
3. AN APPROVED BACKFLOW ASSEMBLY MUST BE INSTALLED PER WA. DEPT OF HEALTH ON ALL IRRIGATION SYSTEMS. THE SYSTEM SHALL NOT BE PLACED INTO SERVICE UNTIL THE REQUIRED BACKFLOW ASSEMBLY IS INSTALLED (PER CITY STANDARD DETAILS), TESTED AND INSPECTED BY A CERTIFIED CROSS CONNECTION CONTROL SPECIALIST.
4. THE WATER METER SHALL BE SUPPLIED AND INSTALLED BY THE BREMERTON PUBLIC WORKS AND UTILITIES DEPARTMENT. ALL OTHER MATERIALS WILL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR OR HOMEOWNER, UNLESS DIRECTED OTHERWISE BY THE ENGINEER. WHEN THE INSTALLATION IS COMPLETE AND INSPECTED, THE CITY WILL MAINTAIN THE SERVICE UPSTREAM OF THE METER, INSIDE THE RIGHT OF WAY.
5. LOCATE WIRE SHALL BE 12 GA BLUE COATED SOLID COPPER WIRE, STRIPPED AT BOTH ENDS AND TIGHTLY WRAPPED AROUND (GROUNDED TO) THE CORPORATION STOP A MINIMUM OF TWO TIMES OR CRIMP TO THE TRACING WIRE ON THE MAIN. THE END IN THE METER BOX SHALL BE LOOPED AND TUCKED INSIDE THE BOX.
6. METER DIMENSIONS VARY BY SIZE.



**City of Bremerton**

**PUBLIC WORKS**

**DESIGN/CONSTRUCTION STANDARDS**

**1 1/2" & 2" DOMESTIC/IRRIGATION  
SERVICE CONNECTION**

Alteration of this drawing is prohibited. Any approval of an altered drawing is unauthorized and void.

**5003**

**Revision Date**

**04/16/13**