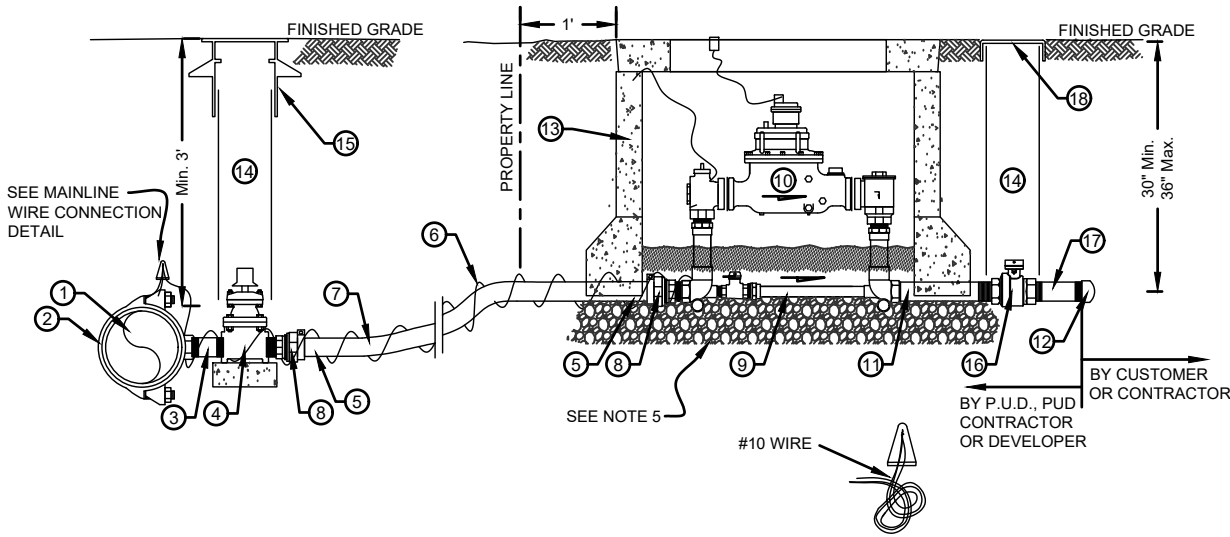


**BILL OF MATERIALS**

NO.	NOMENCLATURE	REQ'D	NO.	NOMENCLATURE	REQ'D
1.	WATER MAIN		9.	COPPERSETTER, 2" (FORD #VBHH77-12B-11-77-NL FP) <sup>a</sup>	1
2.	CLAMP, SERVICE, DOUBLE STRAP x 2" I.P.T., ALL BRASS, (FORD #202B) <sup>a</sup>	1	10.	METER, BADGER, 2" MODEL M170 BRONZE METER(BYPUD)	1
3.	NIPPLE, BRASS 2"x4"	1	11.	NIPPLE, BRASS 2"x12"	1
4.	VALVE, 2" DUCTILE IRON, RESILIENT WEDGE, I.P.T.xI.P.T.	1	12.	CAP, 2" GALVANIZED	1
5.	INSERT, STIFFENER, 1-1/2" (FORD #74) <sup>a</sup>	2	13.	VAULT, OLDCASTLE 3642-LA W/COVER 3642-2436F <sup>a</sup>	1
6.	WIRE, #10 SOLID COPPER, BLUE COATED, EXTEND MIN.18" INTO BOX, NEAR LID		14.	CASING, 6" PVC SEWER PIPE	
7.	PIPE, 2" REHAU MUNICIPEX TYPE A, 200 P.S.I.		15.	VALVE BOX, CAST IRON OLYMPIC FOUNDRY VB-007-SKAGIT(SEE P.U.D. DETAIL)	1
8.	BRASS PAC JOINT, 2" M.I.P.T. x 2" COP (FORD #C84-77-NL) <sup>a</sup>	3	16.	BALL VALVE, BRASS 2"(FORD B11-777-NL) <sup>a</sup>	1
			17.	NIPPLE, BRASS 2"x6"	1
			18.	6" PVC CAP	1

<sup>a</sup> OR EQUIVALENT APPROVED BY THE DISTRICT  
<sup>b</sup> ELL, 90° STREET, 1" M X F.I.P.T. (IF NEEDED)

**ALL BRASS FITTINGS TO BE LEAD FREE DOMESTIC BRASS**



**MAINLINE WIRE CONNECTION DETAIL**  
 NTS  
 NOTE: ALL THREE WIRES ARE TO BE TIED TOGETHER IN AN OVERHAND KNOT APPROXIMATELY 6" FROM WIRE NUT. BARE 5/8" OF WIRES. CONNECT WITH #62325 KING WATERPROOF WIRE CONNECTOR.<sup>a</sup>

**NOTES**

- INSTALL SERVICE LINE PERPENDICULAR TO MAIN UNLESS OTHERWISE SHOWN ON WATER CONSTRUCTION PLAN.
- IF METER IS NOT INSTALLED IN COPPERSETTER, INSTALL A PVC NIPPLE BETWEEN METER CONNECTIONS. IF CONNECTION IS NOT MADE TO CUSTOMER'S PLUMBING, INSTALL CAP(#12).
- SUPPORT COPPERSETTER WITH 16" TO 2' OF ROD OR PIPE THROUGH EACH EYELET. SET COPPERSETTER FLUSH, PLUMB AND CENTERED IN VAULT/BOX. LOCK BYPASS WITH P.U.D.-ISSUED PADLOCK.
- PUD OWNERSHIP ENDS AT THE METER AND METER BOX. WATER SERVICES TO BE CONNECTED TO AN ACTIVE WATERLINE ARE REQUIRED TO BE INSTALLED BY PUD. WATER SERVICES INSTALLED WITH A NEW WATERLINE OR WATERLINE EXTENSION WILL BE PERFORMED BY THE CONTRACTOR/DEVELOPER PRIOR TO CONNECTION OF THE NEW WATERLINE TO THE PUD SYSTEM. THE PUD IS REQUIRED TO SET ALL METERS. IF A NEW WATER SERVICE IS INSTALLED BY THE PUD, PUD WILL INCLUDE THE PRIVATE SHUT-OFF VALVE AFTER THE METER. AFTER INSTALLATION THE OWNER IS RESPONSIBLE FOR ALL FUTURE MAINTENANCE, REPAIR AND REPLACEMENT OF THE PRIVATE SHUT-OFF VALVE.
- FLUSH OUT SERVICE TUBING AND COPPERSETTER BEFORE INSTALLING METER. DO NOT ALLOW MUD OR FOREIGN MATERIAL TO ENTER ANY TUBING OR FITTINGS.
- SET VALVE CASING AND VAULT/BOX TO FINISH GRADE. DO NOT REST CASING OR VAULT ON NIPPLES OR PIPE. PLACE 6 INCHES OF 3/4" MINUS CRUSHED GRAVEL, COMPACTED TO 95%, UNDER CONCRETE VAULTS. SUPPORT VALVE CASING WITH 0.2 SQ.FT. OF CONCRETE ON EACH SIDE OF VALVE. SUPPORT 2" VALVE WITH MIN. OF 1 SQ.FT. OF CONCRETE BLOCK ON UNDISTURBED GROUND OR COMPACTED 3/4" CRUSHED GRAVEL.
- A CONCRETE UTILITY VAULT WILL BE REQUIRED.
- IF THERE IS PETROLEUM-BASED CONTAMINATED SOIL PRESENT, THE SERVICE PIPELINE SHALL BE OF TYPE K COPPER WITH BRASS AND COPPER FITTINGS.
- METER SENSING PAD TO BE LOCATED IN STEEL LID OF UTILITY VAULT WITHIN SIX INCHES OF HINGE NEAR STREET END.
- SEAL VAULT LIDS AND SEGMENTS WITH 1-1/2"x1" JOINT MASTIC.
- BACKFLOW PROTECTION AT THE SERVICE CONNECTION IS REQUIRED FOR NON-RESIDENTIAL, AGRICULTURAL, AND IRRIGATION USES, ON LARGE SIZED PROPERTIES, PROPERTIES WITH EXITING WELLS AND BOOSTER/SEWAGE PUMPS, AND IN OTHER SITUATIONS AS DESCRIBED IN THE DISTRICT'S CROSS CONNECTION CONTROL MANUAL.

  
 PUD NO. 1 OF SKAGIT COUNTY ENGINEERING MANAGER

APPROVED ON:           OCTOBER 8          , 2024



**STANDARD INSTALLATION OF  
 2" METERED SERVICE WITH 200  
 P.S.I. REHAU SERVICE LINE**

SCALE: 1" = 2'  
 DATE: 03/25/05  
 REVISED: 10/8/24  
 DRAWN BY: JLB  
 APPROVED BY: MCH

**STANDARD**  
  
**WS2-1**