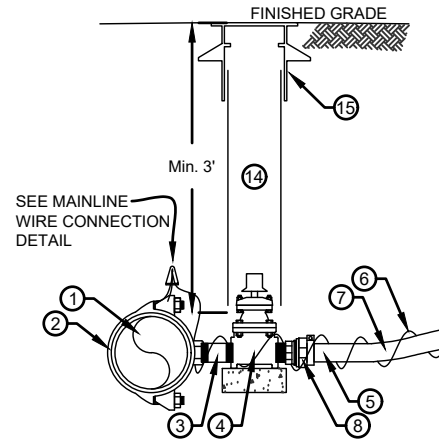


BILL OF MATERIALS					
NO.	NOMENCLATURE	REQ'D	NO.	NOMENCLATURE	REQ'D
1.	WATER MAIN		20.	NIPPLE, BRASS 2" CLOSE	1
2.	CLAMP, SERVICE, DOUBLE STRAP x 2" I.P.T., ALL BRASS (FORD #202B) ^a	1	21.	UNION, BRASS 2"	1
3.	NIPPLE, BRASS 2"x4"	1	22.	REDUCER, BRASS 2"x1-1/2"	1
4.	VALVE, 2" DUCTILE IRON, RESILIENT WEDGE I.P.T. x I.P.T.	1	23.	BALL VALVE, BRASS 1-1/2" (FORD B11-666-NL) ^a	1
5.	INSERT, STIFFENER, 1-1/2" (FORD #75) ^a	3	24.	NIPPLE, BRASS 1-1/2"x6"	1
6.	WIRE, #10 SOLID COPPER, BLUE COATED, EXTEND MIN. 18" INTO BOX, NEAR LID		25.	6" PVC CAP	1
7.	PIPE, 2" REHAU MUNIPEX TYPE A, 200 P.S.I.				
8.	BRASS PAC JOINT, 2" M.I.P.T. x 2" COP (FORD #C84-77-NL) ^a	4			
9.	COPPERSETTER, 1-1/2" (FORD #VBHH76-12B-11-66-NL FP) ^a	1			
10.	METER, BADGER MODEL M120 1-1/2" BRONZE METER(BY PUD)	1			
11.	NIPPLE, BRASS 1-1/2"x12"	1			
12.	CAP, 1-1/2" GALVANIZED	1			
13.	VAULT, OLDCASTLE 3642-LA W/COVER 3642-2436F ^a	1			
14.	CASING, 6" PVC SEWER PIPE	1			
15.	VALVE BOX, CAST IRON OLYMPIC FOUNDRY VB-007-SKAGIT (SEE P.U.D. DETAIL)	1			
16.	BUSHING, BRASS 2" M.I.P.T.x 1-1/2" F.I.P.T.	1			
17.	NIPPLE, BRASS 1-1/2"x4"	1			
18.	CURBSTOP, BRASS 2" (FORD #B11-777-W-NL) ^a	1			
19.	PRV WILKINS 2" 600 HLR SC (HIGH RANGE PRV)	1			

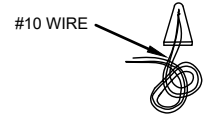
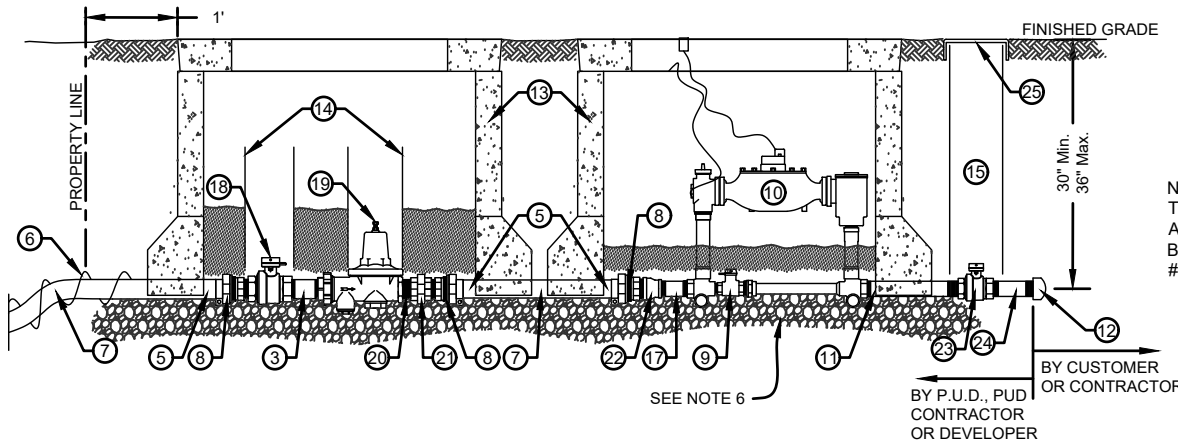
^a OR EQUIVALENT APPROVED BY THE DISTRICT
^b ELL, 90° STREET, 1" M X F.I.P.T. (IF NEEDED)

ALL BRASS FITTINGS TO BE LEAD FREE DOMESTIC BRASS



NOTES

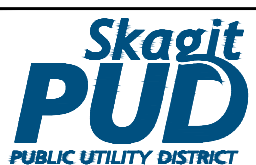
- INSTALL SERVICE LINE PERPENDICULAR TO MAIN UNLESS OTHERWISE SHOWN ON WATER CONSTRUCTION PLAN.
- IF METER IS NOT INSTALLED IN COPPERSETTER, INSTALL A PVC NIPPLE BETWEEN METER CONNECTIONS. IF CONNECTION IS NOT MADE TO CUSTOMER'S PLUMBING, INSTALL CAP(#12).
- SUPPORT COPPERSETTER WITH 1'6" TO 2' OF ROD 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, 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.
- DRAIN VAULT TO DAYLIGHT WHERE POSSIBLE WITH MINIMUM 3" DRAIN PIPE. (TO BE DETERMINED IN FIELD BY P.U.D. REPRESENTATIVE.)
- NOTIFY CUSTOMER TO RECOMMEND THAT THEY INSTALL A LOW RANGE PRV BEYOND THE METER TO REDUCE THE PRESSURE FROM 120 PSI TO BELOW 80 PSI TO PROTECT THEIR INTERIOR PLUMBING.
- 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.



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.^a

[Signature]
 PUD NO. 1 OF SKAGIT COUNTY ENGINEERING MANAGER

APPROVED ON: OCTOBER 7 , 2024



**STANDARD INSTALLATION OF
 1-1/2" METERED SERVICE WITH REHAU
 SERVICE LINE OFF HIGH PRESSURE
 MAIN LINE GREATER THAN 150 P.S.I.**

SCALE: 1" = 2'
DATE: 3/25/05
REVISED: 10/7/24
DRAWN BY: JLB
APPROVED BY: MCH

STANDARD
WS1.5-3