BILL OF MATERIALS

1. WATER MAIN: 16 T.F. 2" BRASS
2. CLAMP, SERVICE, DOUBLE STRAP x 2" L.P.T., ALL BRASS (FORD #2028)²
3. NIPPLE, BRASS 2" x 2" SCHEDULE 80
4. VALVE, 2" DUCTILE IRON, RESILIENT WEDGE L.P.T. x L.P.T.
5. VACANT: 20 NIPPLE, BRASS 2" x 2" CLOSE
6. PIPE, #10 SOLID COPPER, BLUE COATED, EXTEND MIN. 18" INTO BOX, NEAR LID
7. PIPE, 2" PVC, SCHEDULE 80
8. BRASS P/D JOINT, 2" M/L.P.T. x 2" PVC (FORD 067-77-Q-NL)³
9. BRASS P/D JOINT, 2" F/P.T. x 2" PVC (FORD 07-77-Q-NL)³
10. METAL, BADGER, 2" TURBO SERIES 200 ELK™
11. NIPPLE, BRASS 2" x 1/2"
12. CAP, 2" GALVANIZED
13. UTILITY VAULT 644 LA W/64-2-332 P COVER (SPRING ASSISTED)²
14. Casing, 6" PVC SEWER PIPE
15. VALVE, BOX, CAST IRON OLYMPIC FOUNDRY VB-007-SKAGIT

NOTES:
1. INSTALL SERVICE LINE PERPENDICULAR TO MAIN UNLESS OTHERWISE SHOWN ON WATER CONSTRUCTION PLAN.
2. PLUG-OUT SERVICE TUBING AND COPPER/FITTINGS BEFORE INSTALLING METER. DO NOT ALLOW MUD OR FOREIGN MATERIAL TO ENTER ANY TUBING OR FITTINGS.
3. 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 VAULT. SUPPORT 2" VALVE WITH MIN. OF 1 SQ.FT. OF CONCRETE BLOCK ON UNDISTURBED GROUND OR COMPACTED 3/4" CRUSHED GRAVEL.
4. IF THERE IS PETROLEUM-BASED CONTAMINATED SOIL PRESENT, PIPELINE SHALL BE OF TYPE K COPPER WITH BRASS AND COPPER FITTINGS. SEE STANDARD P.U.D. COPPER SERVICE DETAIL.
5. METER SENSING PAD TO BE LOCATED IN STEEL LID OF UTILITY VAULT WITHIN SIX INCHES OF HINGE NEAR STREET ENDS, IN A CARSON INDUSTRIES BOX. PAD IS TO BE LOCATED AT STREET END OF BOX.
6. SEAL VAULT LIDS AND SEGMENTS WITH 1-1/2" x 1" JOINT MASTIC.
7. DRAIN VAULT TO DAYLIGHT WHERE POSSIBLE WITH MIN. 3" DRAIN PIPE (TO BE DETERMINED IN FIELD BY P.U.D. REPRESENTATIVE).
8. APPLY NON-SHRINK GROUT OR FOAM AROUND PIPE PENETRATIONS THROUGH VAULT WALL TO ELIMINATE GROUNDWATER FLOODING VAULT.
9. LOCK BYPASS WITH P.U.D. ISSUED PADLOCK.
10. A SHUTOFF VALVE SHALL BE INSTALLED IN CUSTOMER'S PLUMBING AFTER DISTRICT'S METERS, PER U.P.C. SUCH VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

NOTE: ALL THREE WIRES ARE TO BE TIED TOGETHER IN AN OVERHAND KNOT APPROXIMATELY 6" FROM WIRE NUT. BASE 5/8" OF WIRES. CONNECT WITH #62325 KING WATERPROOF WIRE CONNECTOR.⁹

PUD NO. 1 OF SKAGIT COUNTY ENGINEERING MANAGER
APPROVED ON: OCTOBER 15, 2015

STANDARD INSTALLATION OF 2" TURBINE METERED SERVICE WITH P.V.C. SERVICE LINE

SCALE: 1" = 2'