MATERIALS LIST — (ALL SIZES ARE SAME AS METER UNLESS OTHERWISE LISTED)

1. METER CPLG. TO FIT, EQUAL TO ROMAC 501
2. TEE, M.J. x FL
3. GATE VALVE, F.L x M.J. (W/VALVE BOX & COVER)
4. 3-D.O. PIPE, P.E., LENGTH AS REQUIRED
5. 2-90' BEND, M.J.
6. 2-D.O. PIPE, P.E x FL, LENGTH AS REQUIRED
7. EPOXY OR NYLON COATED SERVICE SADDLE, FORD FC202 OR FC202 EQUAL (TAP POINTED UP AT 1/2 O'CLOCK). 1-CORPORATION STOP, AWWA TAPER(CC) x M.I.P.T. FORD FB1000-7, WITH 2" F.I.P.T. x 2 1/2" M.N.S.T. ADAPTER PLUS CAP (2 1/2" F.N.S.T.).
8. GATE VALVE, FL
9. NEPTUNE HIGH PERFORMANCE PROTECTUS III FIRE SERVICE METER WITH "E-CODER" SOLID STATE ABSOLUTE ENCODER REGISTERS THAT REMOTELY READ IN 100 CUBIC FOOT INCREMENTS.
10. 1-D.O. ADAPTER FL x P.E., (LENGTH TO FIT)
11. FLXPLG. ADAPTER, EQUAL TO SMITH-BLAIR 912.
12. MEGA-LUG MID-SPAN RESTRAINT AND THRUST BLOCK ADJACENT TO VAULT SEE STANDARD DETAIL W-56.
13. PRECAST CONC. VAULT BY UTILITY VAULT CO. (SEE TABLE FOR MODEL NO.) W/ THREE DIAMOND PLATE DOORS RATED FOR H-30 LOADING.
14. TEE, FL
15. SENSOR (TO MOUNT IN VAULT ACCESS DOOR)
16. ADJUSTABLE STANCHIONS BOLTED TO FLOOR.
17. GALVANIZED STEEL LADDER (1'-4" WIDE) TO BE BOLTED TO VAULT FLOOR AND TO VAULT WALL AT THREE LOCATIONS. RUNGS SHALL BE SPACED AT 12" ON CENTER. LADDER SHALL INCLUDE BILCO MODEL LU-2 LADDER-UP, SEE DETAIL 19.
18. 2" TEST PORT, 2" EPOXY OR NYLON COATED SERVICE SADDLE, ROMAC 202NS (TOP UP), 2"-CD12PS TAP AWNA TAPER(CC) x M.I.P.T. FORD FB400-7 WITH 2" F.I.P.T. x 2 1/2" M.N.S.T. ADAPTER PLUS CAP (2 1/2" F.N.S.T.).

NOTES:
1. ALL MATERIALS, INCLUDING METER SHALL BE FURNISHED BY CONTRACTOR.
2. ALL PIPE & FITTINGS 3" & LARGER SHALL BE CEMENT LINED DUCTILE IRON, CLASS 52 MINIMUM.
3. TEE WITH (3) GATE VALVES REQUIRED AT DISTRIBUTION MAIN.
4. VAULTS SHALL NOT BE INSTALLED IN AREAS W/VEHICULAR TRAFFIC.
5. VAULT COVER SHALL INCLUDE 3 LOCKING ALUMINUM LW HATCH DOORS (PART NO. HHS-42"x42") WITH SLIP RESISTANT TREATMENT PER SECTION W4-17 OF THE ENGINEERING STANDARDS. DOORS SHALL BE CAST IN COVER WITH 8" SPECIAL OFFSET FROM VAULT WALL, AS SHOWN. COVER TO READ "WATER".
6. PROVIDE 2 1/4" DIAM. OPENING IN STEEL DOOR FOR SENSOR.
7. ALL FITTINGS OUTSIDE VAULT SHALL INCLUDE THRUST BLOCKING AND JOINT RESTRAIN DEVICES.
8. MINIMUM 2' OF LEVEL, UNOBSTRUCTED AREA AROUND HATCHES.

City of Bellevue W A T E R U T I L I T Y
T I T L E
8" DOMESTIC METER INSTALLATION
NO. W-34

JANUARY 2014 NO SCALE