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

1. MEGH CPLG. TO FIT, EQUAL TO ROMAC 501 OR MJ SLEEVE
2. TEE, M.J. x FL.
3. GATE VALVE, FL x M.J. (W/VALVE BOX & COVER)
4. ¾" PIPE, P.E., LENGTH AS REQUIRED
5. 2–90° BEND, M.J.
6. 2–90° PIPE, P.E.xFL., LENGTH AS REQUIRED.
7. EPOXY OR NYLON COATED SERVICE SADDLE, FORD FC202 OR FC2020 OR EQUAL (TAP POINTED UP AT 12–0’O’CLOCK).
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. ADAPTER FL x P.E., (LENGTH TO FIT)
11. FLxCPG. 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 UTTITY 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. 4–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).

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. HH5–42"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 RESTRAINT DEVICES.
8. MINIMUM 2' OF LEVEL, UNOBSTRUCTED AREA AROUND HATCHES.

City of Bellevue
WATER UTILITY

8" DOMESTIC METER INSTALLATION

JANUARY 2015 NO SCALE