GENERAL NOTES:

1. STANDARD M.J. GATE VALVE WITH OPERATING NUT, RISER PIPE, AND VALVE BOX.

2. BY-PASS MAY BE LOCATED ON EITHER SIDE OF VAULT ACCORDING TO SITE PARAMETERS. ALL BY-PASS FITTINGS TO BE FURNISHED WITH RETAINER GLANDS OR TIE-RODS. METER ASSEMBLY TO BE INSTALLED BY THE CITY OF VIRGINIA BEACH DEPARTMENT OF PUBLIC UTILITIES.

3. VALVE BOXES SHALL BE SET FLUSH TO EXISTING GRADE, OUTSIDE PAVED AREAS, ALL VALVE BOXES SHALL HAVE A 2'X2'X6" CONCRETE PAD POURED AROUND THE BOX.

4. PIPING SHALL INCLUDE FULL DIAMETER BY-PASS LINE AND VALVES OUTSIDE THE VAULT BOX.

5. ALL PIPES OUTSIDE THE BOX SHALL BE MECHANICAL JOINT, RESTRAINED AGAINST THRUST USING RETAINER GLANDS OR TIE RODS.

6. NO JOINTS SHALL EXIST WITHIN METER BOX PRIOR TO CITY INSTALLED METER CUT-IN.

7. VAULT WALL PENETRATIONS SHALL BE CENTERED ALONG WIDTH OF THE WALL AND HAVE C.I. SLEEVE WITH LINK SEAL. VAULT SHALL BE WATERTIGHT, AS SHOWN ON THE DETAILS.

8. VAULT BOX SHALL CAST-IN-PLACE OR PRE-CAST CONCRETE, 4000 psi MINIMUM AND SHALL MEET H2O LOADING. BLOCK CONCRETE SHALL NOT BE PERMITTED.

9. VAULT LID SHALL BE ALUMINUM DOUBLE LEAF, BILCO JD-3AL, 4'X6' OR APPROVED EQUAL. LID SHALL BE H2O RATED.

10. VAULT LID SHALL BE DORENT PARALLEL TO PIPELINE AND CENTERED OVER METER ASSEMBLY.

11. VAULT BASE SHALL BE SLOPE TOWARD SUMP.

12. VAULT BASE SHALL REST ON 12" OF "57 STONE BASE.