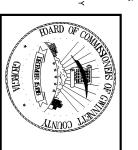


- THIS DRAWING SHALL BE USED FOR INSTALLATION OF 6" FIRE METER WITH 4" BY-PASS.
- 'n ALL PIPE AND FITTINGS SHALL BE FLANGED DUCTILE IRON PIPE.
- Ņ 3. VAULT TOP SHALL BE 6" THICK REINFORCED CONGRETE. MINIMUM INSIDE HEIGHT IS 6"-0". VAULT BOTTOM IS 4" CONCRETE SLAB SLOPED TO 12" × 12" DRAIN SUMP HOLE. SLAB TO BE POINTED ON 12" OF COMPACTED NO. 57 STONE. HATCH OPENING SHALL BE TO ONE SUMP OF VAULT AT THE CENTER POINT OF THE WALL OF THE CONTRACT OF
- 4. HATCH SHALL BE BILCO ALUMINUM MODEL ${\sf JD-4AL}$ OR EQUAL APPROVED IN ADVANCE BY GCDPU.
- Ò VAULT INIET/OUTLET OPENINGS SHALL BE SEALED WITH CONCRETE OR BRICK AND MORTAR AROUND PIPE. PIPE MUST NOT SUPPORT VAULT.
- 6 VAULT SHALL BE PRECAST FOR NON-LOAD BEARING APPLICATION. WHEN VAULT MILL BE SUBJECTED TO LIVE LOAD, CUSTOMER'S ENGINEER SHALL SUBMIT DETAILED VAULT DESIGN FOR GCDPU APPROVAL IN ADVANCE OF CONSTRUCTION.
- 7. ACCESS LADDER - SHALL BE DOWELED TO WALL AND CENTERED AT HATCH OPENING.
- œ ALL CHECK VALVE AND METER ASSEMBLIES
 SHALL BE SUPPORTED IN TWO (2) PLACES ON
 CAP BLOCKS OR STEEL. NO WOOD IS
- THRUST BLOCKS SHALL CONFORM TO GCDPU DRAWING NO. A-24 (LATEST REVISION).

- 10. THRUST TIE RODS SHALL CONFORM TO GCOPU DRAWNIG NO.'S A-33, A-74, AND A-78. RODS SHALL EXTEND FROM FRST FLANGE INSIDE VAULT TO TAPPING VALVE (WELDED TO CASING ON LONG SIDE BORE)
- ≓ DOUBLE CHECK VALVE ASSEMBLIES SHALL BE WATTS MODEL 709, HERSEY MODEL HDC, FEBCO MODEL 850, AMES MODEL 2000 SS, OR EQUAL APPROVED IN ADVANCE BY GCDPU.
- 12. GCDPU SHALL FURNISH FIRE METER WITH STRAINER. ALL OTHER MATERIALS SHALL BE FURNISHED BY CUSTOMER. ALL CHECK VALVES SHALL BE EQUIPPED WITH OS&Y RESILIENT SEATED GATE VALVES.
- 13. DOUBLE CHECK VALVE ASSEMBLY DIMENSIONS ARE FOR WATTS MODEL 709. OTHER VALVE ASSEMBLY DIMENSIONS MAY VARY.
- 14. VAULT SHALL BE INSTALLED ON PRIVATE PROPERTY. CUSTOMER MUST PROVIDE A 15' × 30' EASEMENT AND/OR RIGHT OF ENTRY CLAUSE.
- 15. MINIMUM CLEARANCE FROM VAULT FLOOR TO BOTTOM OF FLANGES SHALL BE 12".
- 16. VALVE PAD AND VALVE MARKER SHALL BE INSTALLED WHERE APPROPRIATE.

SIDE VIEW TYP.

- NO WORK SHALL BEGIN WITHOUT OBTAINING "CONSTRUCTION PERMIT" FROM THE DEPARTMENT OF PUBLIC UTILITIES (GCDPU).
- 'n NO TAPS TO GWNNETT COUNTY WATER MAINS SHALL BE MADE WITHOUT THE INSPECTOR PRESENT.
- ALL BACKFLOW PREVENTION DEVICES SHALL MEET SPECIFICATIONS. OR EXCEED
- 4. ALL BACKFLOW PREVENTION DEVICES MUST BE TESTED BY A TESTER FROM THE GMINNETT COUNTY APPROVED TESTERS LIST BEFORE A FINAL C.O. WILL BE ISSUED. (AN APPROVED TESTERS LIST MAY BE OBTAINED BY CALLING 678-376-6907.)



DEPARTMENT OF BACKFLOW PREVENTION **GWINNETT COUNTY** PUBLIC UTILITIES

"A community-environmental health protection program"

οŝ FIRE SERVICE METER WITH NON-TRAFFIC BEARING 4" BY-PASS

VAULT

DRAWN 07-21-04

ВY: JDS DATE:

SCALE: N.T.S.