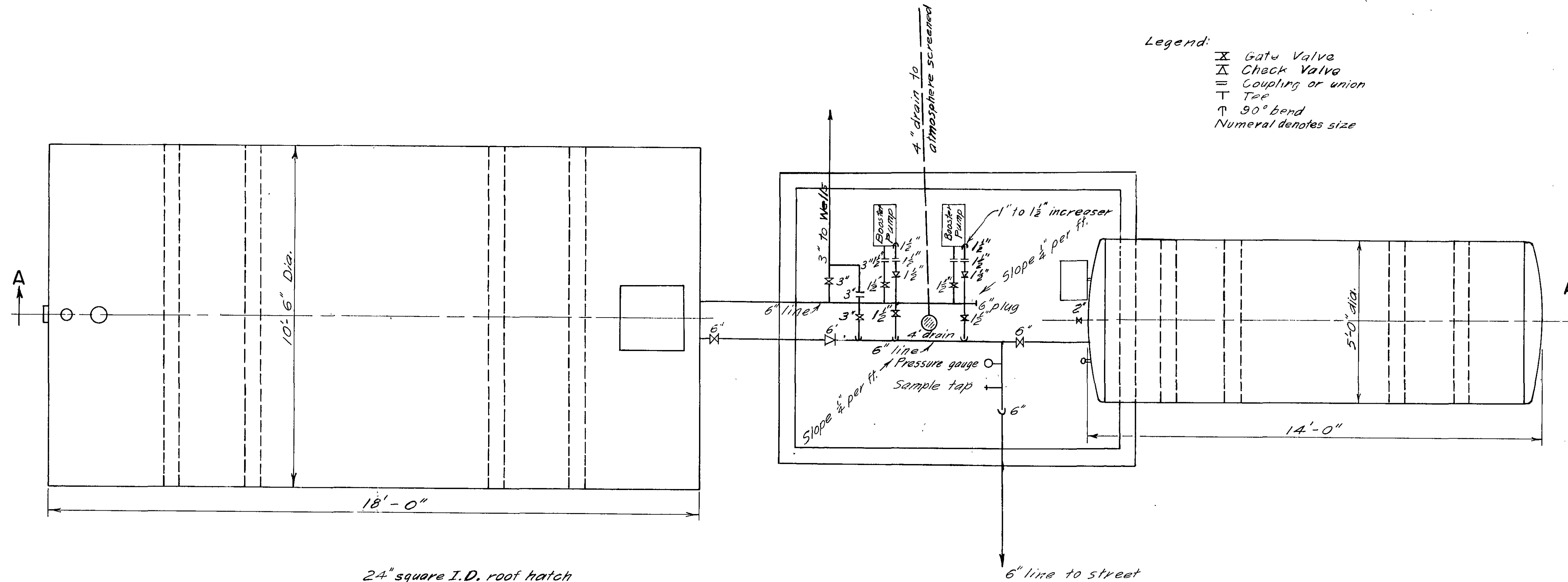
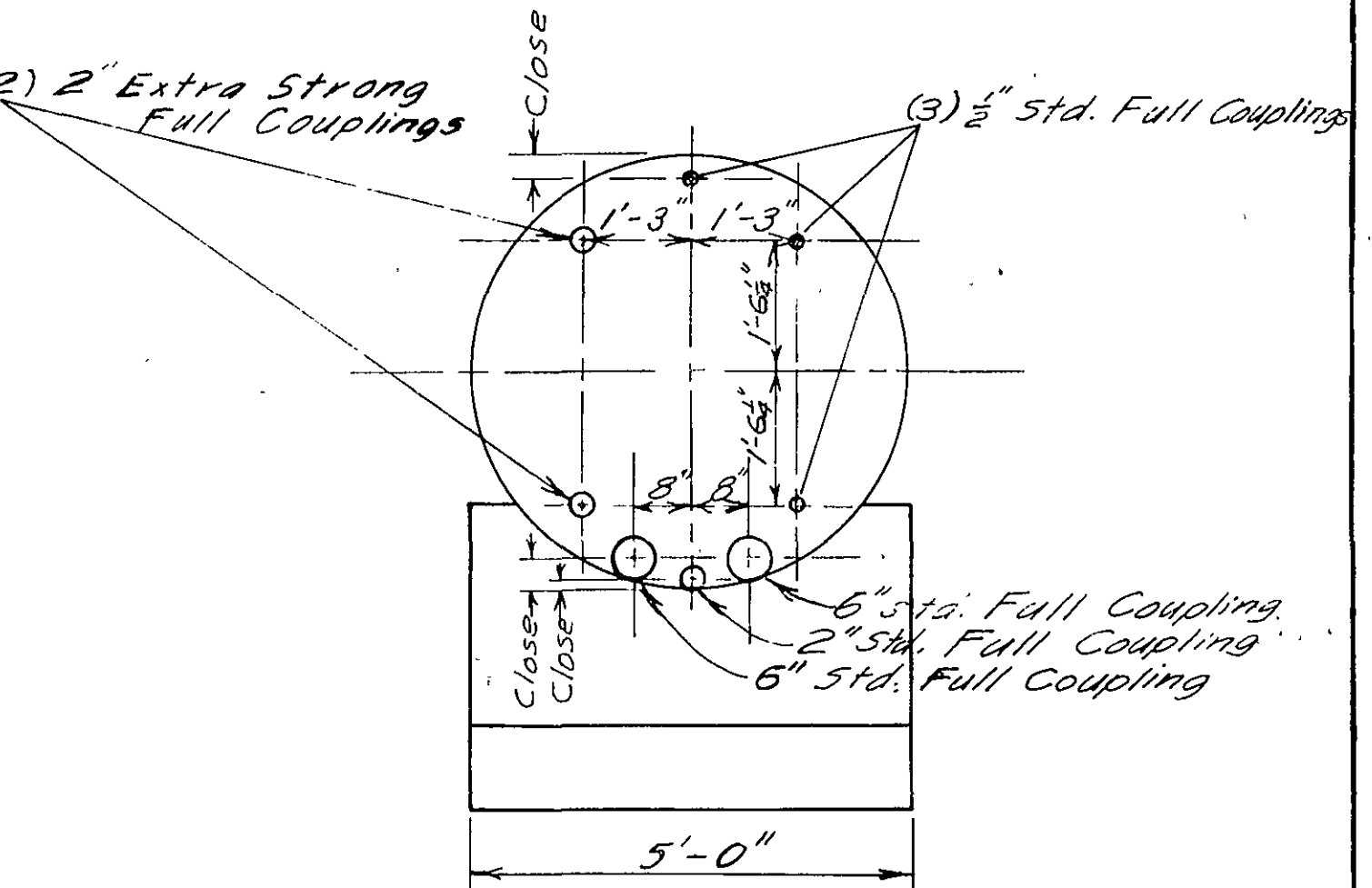


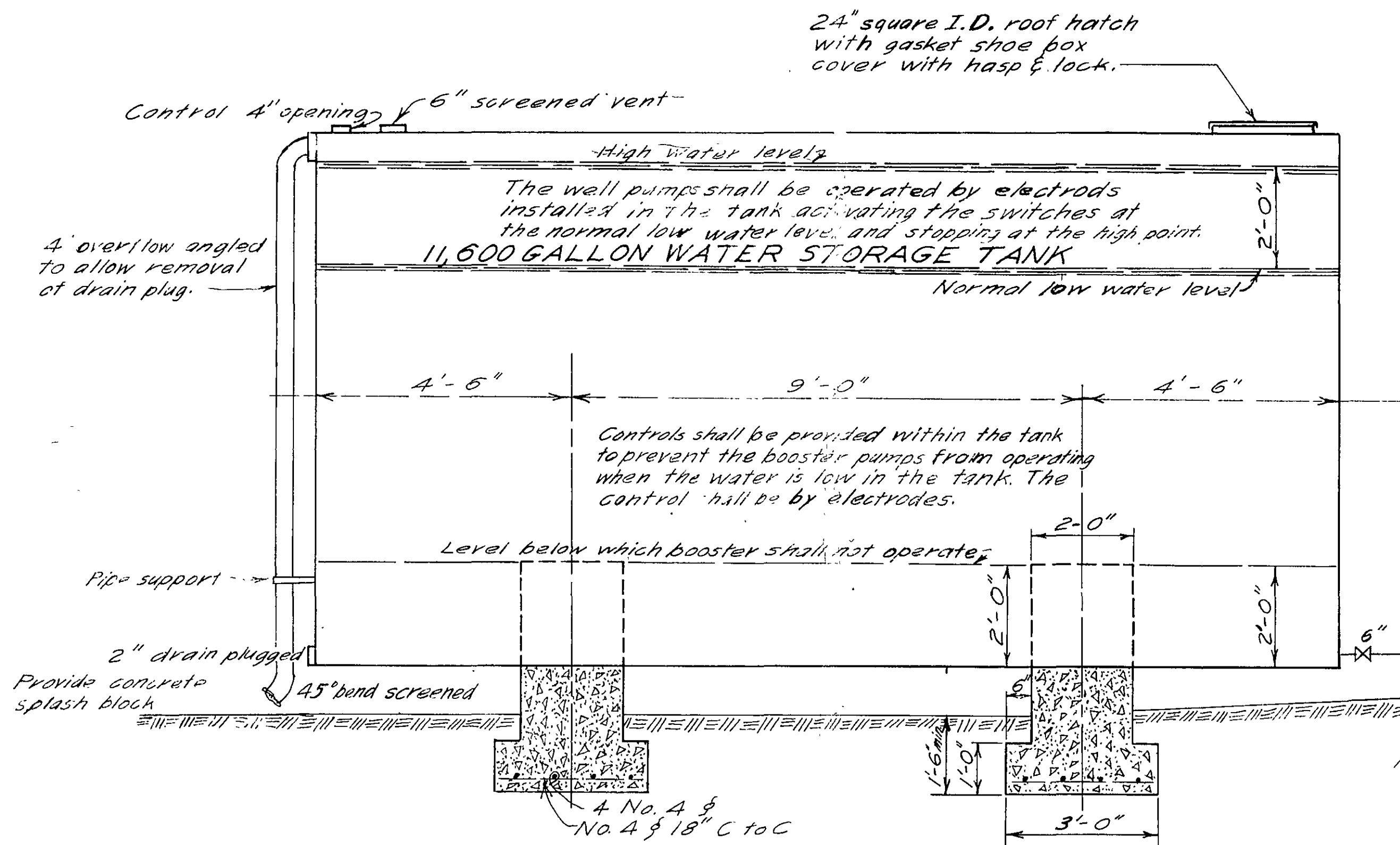
Legend:
 X Gate Valve
 Δ Check Valve
 = Coupling or union
 T Tee
 ⌋ 90° bend
 Numeral denotes size



PLAN



END OF 2000 HYDROPNEUMATIC TANK



SECTION A-A'

WATER STORAGE
 to serve
 THE WATER FRONT I
 for
 BREMBLE PROPERTIES, INC.
 GILLS CREEK MAG. DIST.
 FRANKLIN CO., VA.

Notes:

- The floor of the pump house shall be a 6" concrete slab reinforced with #4 reinforcing bars on 12" centers both ways. The pump house floor shall be above grade and slope 1/4" per foot to a 4" floor drain.
- The pump house shall be provided with a light and a heater to prevent freezing.
- The tanks shall be constructed of black open hearth steel.
- The tanks shall be disinfected by filling with 50 p.p.m. liquid chlorine solution and held for 24 hours maintaining a residual of 25 p.p.m. After 24 hours the tanks shall be drained, refilled and two (2) bacteriological samples shall be taken 24 hours apart from each tank and found to be free of coliform organisms before the tank is put in service.
- All pipe, valves, fittings etc. shall be metallic ASTM Class 15 and disinfected in accordance with current AWWA regulations.
- Air Volume Controller shall be an Aqua-Mec Air Volume Control Model Number 603 as manufactured by Aqua-Mec, Inc., P.O. Box 9753 San Jose, California 95157, or approved equal.
- Booster pumps shall be Model 15 DL1-15 H.P. centrifugal pumps as manufactured by Jacuzzi Bros., Inc. The pumps shall be provided with switch to alternate the pumps with each pumping cycle. The pumps shall be set to start operating at 30 p.s.i. individually with both pumps operating at 25 p.s.i. and stopping at 45 p.s.i.

Painting:

Outside of tanks shall be sandblasted, primed with Red Zinc Chromate Primer and painted with two (2) coats of Forest Green Enamel. The interior of the tanks shall be sandblasted and painted with the Mobile Val-Chem # 78-W-3 two (2) coat system.

- The tanks shall be constructed in such a manner that they are acceptable for the storage of potable water. The hydropneumatic tank shall meet all the requirements of Section 11.02.05 Page 16.7 of the Commonwealth of Virginia Waterworks Regulations dated June, 1977.
- Piping and fittings shall be provided for use when needed for draining of the hydropneumatic tank for discharging the water outside the building.

Prepared by:

William L. Law, Civil Engineer Va. Cert. No. 1296
 Route 1, Box 420, Bassett, Virginia 24055
 April 7, 1979

NOT TO SCALE

Revised August 27, 1979

