

VALVES

BUTTERFLY VALVES

Butterfly valves shall conform in all respects to the AWWA Tentative Standard Specifications for Rubber Seated Butterfly Valves C504, latest revision, Class 75.

All valves shall have flanged ends conforming to the ASA B16.1 specifications for cast iron flanges, Class 125 lb.

Butterfly valves shall be as manufactured by Allis-Chalmers Mfg. Co., Builders-Providence, Inc., Henry Pratt Co., or equal.

BALL VALVES

Ball valves shall be of the size and at the location shown on the plans.

The 36" ball valve to be installed in the vault will be either open or closed. The pump discharge valve may be used for throttling of the flow from the pump but will not have automatic throttling controls.

BALL VALVE CONSTRUCTION

Valve body shall be cast iron and shall have Standard ASA Class 125# flanges designed for 100 psi working pressure. The plug shall be of cast iron with circular waterways equal to the size of the valve. The valve shall be single seated.

The valve shall be as manufactured by Henry Pratt, Willamette Iron & Steel Co., Allis-Chalmers, or approved equal.

BALL VALVE OPERATION

Motor driven valve operator shall be furnished and installed and shall be energized by 460 V, 60 cycle, 3 phase current with 120 V control voltage and shall be placed on the ball valves included as part of this contract. The valves shall operate from full open position to full closed position in 15 seconds. The maximum differential operating pressure is expected to be not greater than 60 psi. The enclosures shall be weatherproof. The operator shall be "Limitorque", Type SMB or approved equal.

The pump discharge ball valve operator shall have included in its mechanism a means of manually setting and limiting the degree of opening of the ball valve from 60% to full open.