Note: Fire flow shall be the larger of the above or that quantity required by the local fire chief or County Fire Marshall.

Storage reservoirs shall be either reinforced concrete or welded steel construction. Design on welded steel water reservoirs shall conform to AWWA Standard D-100. Appurtenances shall, As a minimum, include two (2) wall access hatches, gauge board, overflow and drain pipe, proper ventilation, roof hatch, inside stainless steel ladder with safety climbs on outside ladder with safety cage and anti-climb devices, hose bibs and paint/coatings in conformance with all Federal, State, Local and Company requirements.

The design shall also include, but not limited to, containment, berm, drainage, and aesthetics. No landscaping will be maintained by Company.

Storage facilities shall be located upon land to which legal access is provided and for which a Title in fee's granted and recorded for the reservoir. Access roads shall be granted by easement. Access road and reservoir site shall be paved and the site protected by a block wall with proper gating.

1.04 **WATER SUPPLY**

The water supply system shall be designed as a multi-source system, capable of handling peak daily demands, with the largest source of supply not in operation.

Wells shall be housed in a structure of which Company has a standard design which shall be followed. Provisions within this structure shall be made to facilitate removal of pumps, motors and other equipment. Wells shall be located upon land to which is conveyed to Company in fee and legal access shall be provided in the name of Company. Vertical turbine pumps shall meet the standards set forth in AWWA Standard E-101. The minimum size well site shall be 100 feet by 100 feet and shall have asphalt surfacing.

1.05 **BOOSTER STATIONS**

Booster stations shall be located in areas accessible to both Company personnel and equipment. Legal access shall be provided and for which a permanent easement or title is recorded. Access road and booster station site shall be paved with asphalt.

Booster stations shall be designed with a minimum of two (2) pumps. In systems where pumps shall meet instantaneous peak demands, without supplementary flows from storage, the pump capacity shall be based on peak hour demands with the largest capacity pump out of service. In systems with adequate available flows from storage to supplement pumping, pump capacity shall be based on maximum day demand with the largest capacity pump out of service. Protection shall be provided to prevent pumps from operating under no-flow conditions, over-pumping, and overloading by means of automatic controls. Vertical turbine pumps shall meet or exceed the standards set forth by AWWA Standard E-101.