

33 10 00 Water Utilities

Revision 01/04/2019

Purpose:

The Architect and/or Engineer shall incorporate the Rice specific requirements indicated in this standard's section into their design. The Architect and/or Engineer shall further produce project specifications in line with industry standards that are updated to reflect these Rice specific requirements.

1. General Requirements

- a. The University has two potable water distribution systems on campus.
 - i. The first system is the City of Houston water system.
 1. A network of City owned pipes are routed through the campus.
 2. Pipes and associated meter vaults are within City easements.
 - ii. The second system is a domestic private service main system.
 1. This system is primarily located in the campus core area.
 2. This system is pressurized through pumps located in the Central plant cooling tower building.
 3. The Rice system can draw water from either the City mains or from Rice's private well.
 - iii. Once a new facility site selection has been completed, the Architect/Engineer shall meet with the Rice Project Manager and University Engineer to determine which system will supply the new building
 1. If a determination to use city water is made, then the Architect/Engineer shall examine the possibility of tying into an existing City of Houston service tap downstream of the City's meter, as this would not require additional space for new meter vaults or additional easements.
 2. Domestic water should be separately metered for each building. Rice Facilities shall provide the make and model of the domestic water meter to be used.
 3. Irrigation shall be metered separately from domestic water.
- b. Fire suppression water service will come from the City of Houston water mains.
 - i. In the core part of campus a network of fire water pipes is routed through the tunnel system. New buildings in this area of campus are encouraged to be tied to this network.