1.1 FLOW TESTS: Have a flow test performed prior to the start of any design work. The test is conducted free of charge by PPD. The Project Architect/Engineer shall coordinate this test and the responsible Design Engineer shall be present for the fire flow test.

1.2 POWER SOURCE
   A. General: Power source shall be electricity.
   B. Emergency Generators: An emergency generator is not required. A protected power source is required.

1.3 PUMP ROOM
   A. Working Space: Provide adequate space for complete servicing around and above fire pumps.
   B. Emergency Lighting: Provide emergency lighting in the pump room.
   C. Ventilation: Provide adequate ventilation in the pump room.

1.4 CONFIGURATION: Horizontal and Mechanical Packaging.

1.5 GAUGES
   A. Pressure gauge on discharge side of pump.
   B. A compound pressure and vacuum gauge on the suction side of the pump.
   C. A pressure gauge & compound pressure/vacuum gauge on the jockey pump.

1.6 SUCTION PIPING: Shall be Schedule 40, galvanized, type with threaded or grooved connections.

1.7 VALVES: Circulation Relief Valve; discharge to drain.

1.8 VARIABLE SPEED DRIVE: Not required or desired.

1.9 TEST HEADER: Provide access to storm drainage.

1.10 SENSING LINES
   A. Separate sensing lines are required for the Jockey Pump and Main Pump Controllers.
   B. Sensing lines shall be of brass, copper, or #300 stainless steel.

1.11 CONNECTIONS
   A. Siamese Connections: Siamese connections shall be installed in an easily accessible position away from the building and landscaping.
   B. Standpipe Connections: Standpipe connections shall have restricted orifices for use by the Fire
Department only. Existing user type connections may remain.

C. Connection Signage: All fire department connections shall be marked with a reflective sign mounted 4’ to 6’ high on buildings above the fire department connection. The sign shall be the same as the standard sign used by the City of Gainesville (see Drawing 15300-A).

1.12 LOCAL ALARM BELL

A. Provide a restricted access disconnect for the local alarm bell.

B. The local alarm bell shall be connected to the Fire Alarm Control Panel.

1.13 BACKFLOW PREVENTION DEVICES: Backflow preventers are required. Refer to Section 331000 for the requirements relating to backflow prevention devices.

END OF SECTION