

Design Approval Criteria

- **Application**
- **Site Plan** – (to scale or w/dimensions) of facility containing:
 - General Location Map
 - Name and address of facility
 - Property line
 - Buildings
 - Size and location of public water mains
 - All fire and domestic water services
 - Meter Pit
 - Yard piping and hydrants
 - Pumper connection(s)
 - Interconnection(s)
 - Proposed location of back-flow preventers
 - Designers stamp and signature
- **Plumbing Floor Plan** – (to scale or w/dimensions indicated from walls and nearby objects)
Plan view or partial floor plan indicating:
 - Water Services
 - Name and address of facility
 - Water meter layout
 - Proposed back-flow preventer(s)
 - Booster pump system(s)
 - Floor drain(s)
 - All nearby objects (electrical panels, boilers, chillers, storage tanks, fire pumps, fire sprinkler risers, etc.)
 - Designers stamp and signature
- **Vertical Cross-Section(s)** – of the proposed installation with elevations from the floor, ceiling, outside grade and all nearby objects.
 - Designers stamp and signature
- **Engineer's Report** – The report shall include:
 - General use of water in the facility
 - Size and descriptions of all fire and domestic and water services
 - Number of floors within the facility
 - Actual or estimated maximum flow demand
 - Pressure – existing and after the installation of back-flow preventers
 - Description of fire fighting facility – indicate the AWWA manual M-14 class of sprinkler service
 - Description of the proposed installation of the back-flow preventer with the location, drainage, lighting, heating, access to the unit, square footage of the floor level where the back-flow preventer is to be located