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