GENERAL NOTES

1. Underwater uplight fixture.
2. Solenoid actuated diaphragm valve.
4. Circuit breaker: 60 amp trip element, 100 amp frame, 2 pole.
5. Motor starter or power relay.
6. Disconnect switch.
8. Conduit run concealed in slab or underground.
9. Crossmark on any conduit indicates the number of wires contained.
10. Direct transition from rigid or EMT conduit to flexible conduit.
11. Liquid tight flexible conduit.
12. Submersible cord.

SYMBOLS

WE1.1 SYSTEM Electrical Water Feature System

ESSEX STREET MALL
#173-231 ESSEX STREET
SALEM, MASSACHUSETTS

1100 WATER STREET
SUITE 2C
SANTA CRUZ
CA 95062

ph: 831 425 3743
fax: 831 429 8143
1. All pipe materials and installation procedures shall conform to best fountain
corresponding and practices. New exposed piping to be type 304 stainless steel, or match
existing materials and dimensions. Underground exposure shall transition to
conform to underground corrosion requirements.
2. Where ferrous and non ferrous metallic piping is joined, provide dielectric fittings.
3. Provide separated flushing piping and drain lines as appropriate, at each floor or wall
penetration above the work.
4. Pipes in parallel or crossing shall have 3" minimum clearance to other piping.
5. Provide unions and/or flanges as shown, and as required to facilitate removal of all
valves and equipment.
6. The grate shall be provided by the contractor. The grate shall be installed in
concrete. To be located in the equipment opening in the grate pit.
7. Where ferrous and non ferrous metallic piping is joined, provide dielectric fittings.
8. The static water level shall be set at the height of the static water level at the
reservoir intake or at the contractor's request to determine the overflow
elevation.
9. Existing pipe and equipment shall be reused when appropriate and at City's
discretion.
10. Locate overflow pipe and level float (WLS 1) in accessible, non-turbulent region of
reservoir. Coordinate location with architect.

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**Symbols**

- **Overflow fitting, standpipe.**
- **Submersible & fountain pump.**
- **Gate valve, plan and elevation.**
- **Ball valve, plan and elevation.**
- **Diaphragm valve, solenoid actuated, hydraulically operated.**
- **Make up valve.**
- **Plan and elevation.**
- **Hose bibb.**
- **Silent check valve.**
- **Backflow preventer, reduced pressure type.**
- **Water meter.**
- **Concentric reducer.**
- **Pipe run.**
- **Display supply.**
- **Utility box construction, lid, and location to be coordinated with landscape
architect.**
- **Existing supply fitting.**
- **Existing fill spout.**
- **Concrete reservoir bump.**
- **Existing fill spout.**

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**Notes**

- Display pump, Barnes SFU71 or equivalent.
- Display pump, Barnes SFU71 or equivalent.
- Water supply piping stub. Supply piping to be routed to stub under civil
engineer's work.
- Water supply assembly with backflow preventer (if required) and new isolated
valve. Backflow preventer requirements and location to be coordinated with
landscape architect, possibly in existing location.
- Existing fill spout.
- Concrete reservoir sump. 40 SQ.FT surface area. See landscape architect's
drawings for exact dimensions.
- Water supply assembl with backflow preventer (if required) and new solenoid
valve. Backflow preventer requirements and location to be coordinated with
landscape architect, possibly in existing location.
- Chlorinated water, watermain, or equivalent.
- Existing water main will be coordinated with landscape architect.
- Chlorinated water, watermain, or equivalent.
- Water supply piping stub. Supply piping to be routed to stub under civil
engineer's work.