

State Water Resources Control Board
Division of Drinking Water
50 D Street – Room 200/Santa Rosa, CA 95404

Water System Schematic (Flow Chart) Requirements
For Water Supply Permit Applications

DIRECTIONS: The Division of Drinking Water expects the water system schematic to be extremely detailed, accurate, with all components labeled. Starting with the well and the discharge line out of the well, follow every pipe and portion of the water supply system and show everything that is there in the correct order. Direction of flow, destination of pipes, all devices/valves/gauges as noted below must be shown and clearly labeled as to what they are. If a device or valve's purpose is not known, it must be determined and labeled accordingly. For some water systems, piping and devices can exist with unknown destinations or purpose. These must be deciphered, shown and labeled appropriately in the schematic.

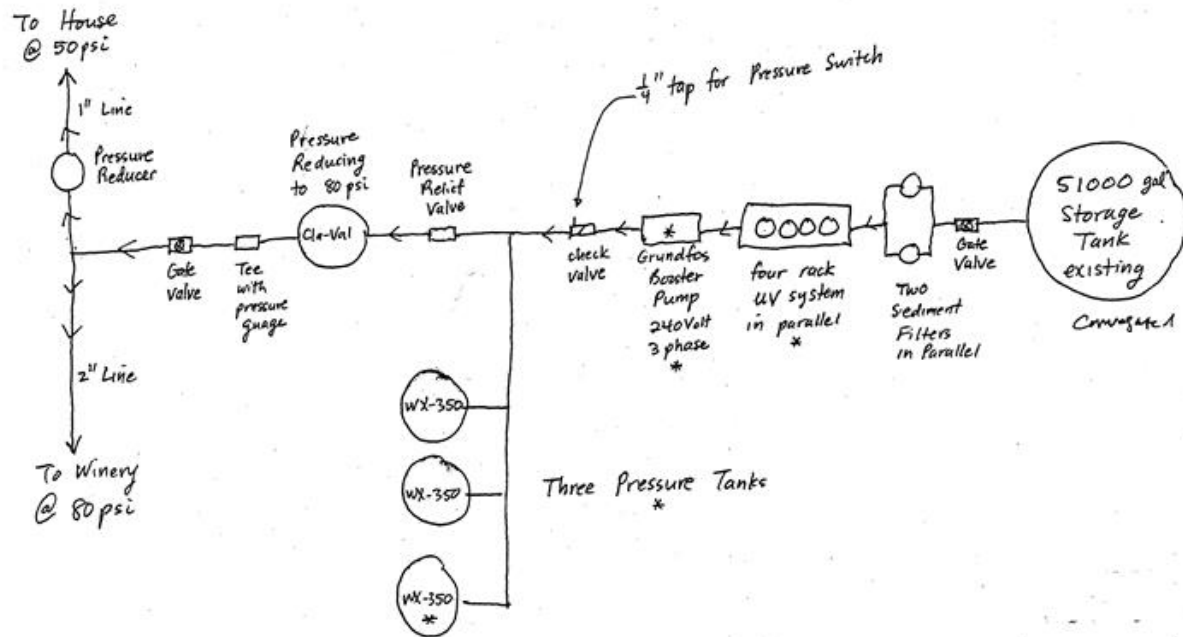
- All water sources (wells, ponds, springs, etc.)
- All potable water piping (note the diameter and type: PVC, copper, etc.)
- All nonpotable piping (irrigation, industrial use, etc.) that is served by or off of the potable system
- All storage tanks (potable, fire, etc.) connected to the system - material (bolted steel, fiberglass, concrete, etc.) and volume
- All pressure tanks and their volume
- All valving (such as backflow devices, shutoff valves, flow meters, pressure regulating devices, or any device installed in the water system). If a valve is "normally open" or "closed" indicate that.
- All other system appurtenances specific to the water system such as cooling towers, boilers, refrigeration units, ponds fed by well water for fire and irrigation, etc.
- Any treatment devices (automatic chlorinators, filters, sand separators, ultra violet systems, ozone, softeners, etc.)
- All pumps: booster pumps, recirculation pumps or other pumps.
- Indicate all connections served by the source including those located on other properties
- Indicate boundaries of all pressure zones if more than one

Indicate direction of flow and label all components on this schematic.

The schematic submitted must be no larger than 11 x 17 inches.

Examples on next page.

EXAMPLES: Water System Schematic/Flow Chart



* See attached sheets for equipment specs.

EXAMPLE

