



*City of San Ramon*  
**Building and Safety Services**  
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**Updated: December 2019**

## **Water Softeners/Filters Single Family Residential**

### **GENERAL INSPECTION REQUIREMENTS**

1. The INSPECTORS COPY of the permit shall be available on site for the inspection.
2. Installation shall comply with the manufactures installation instructions and applicable codes.
3. Manufactures installation instructions shall be available on site for inspection.
4. Type M copper water pipe is permitted to be used above ground and inside the building.
5. PVC piping shall not be used for any part of water distribution at the interior of the building.
6. PVC pipe exposed to sunlight shall be wrapped with 0.40 inch thick plumbers tape.
7. All underground water lines shall be placed not less than 12 inches below finished grade.
8. All underground waterlines shall be inspected to verify depth of line below grade.
9. Water pipe sizing of water softeners - ¾” up to 2 bedrooms, 1” up to 4 bedrooms piping size. For dwellings with 5 bedrooms or more, sizing calculations are required.
10. All piping shall be supported and secured at intervals identified in the 2019 California Plumbing Code.
11. Drainage pipe size shall be as required by the manufactures installation instructions.
12. All drains shall discharge into the sanitary sewer through an approved plumbing fixture and air gap.
13. Drainage pipe shall slope at a ¼” per foot toward the sewer connection, unless the manufacture instructions provide for a pressure drain system.
14. An air gap space of 1½ inches for ¾ inch pipe and 2 inches for 1 inch pipe shall be provided for the drain as identified in 2019 California Plumbing Code Section 603.3.1 and/or Table 603.3.1.
15. Brine tank overflow shall be connected to the drain with an air gap.
16. Add bonding jumper to reconnect ground bond of water pipes after water softener is added to the system.
17. Water softener installed on the exterior of a home shall be listed and approved for such installation and shall meet the manufactures installation instructions.
18. Equipment shall be installed on a permanent foundation constructed of concrete and secured as identified by the manufactures installation instructions.
19. Re-inspection fees are charged if more than two inspections are required to approve inspections.