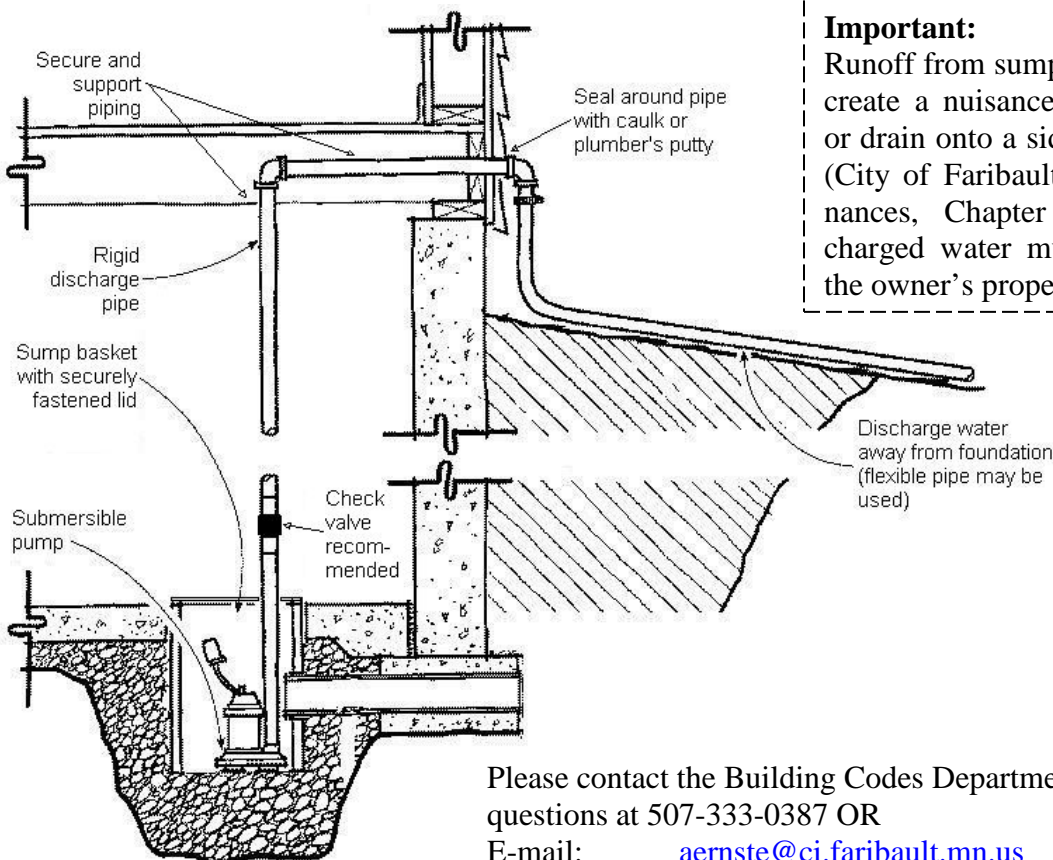


Sump Pump Piping Requirements

The Minnesota Plumbing Code (Minn. Rules, Chapter 4715), regulates the design of sumps and their discharge piping. The following requirements for residential clear water sumps are taken from this code.

- **Interior discharge piping** shall be of a material approved by code. All materials shall be marked so as to provide a visual means of identification (Section 4715.0410). The most common materials are PVC (white plastic) and ABS (black plastic). Plastic pipe must be labeled Schedule (Sch) 40.
- **Vertical piping** shall be secured at sufficiently close intervals to keep the pipe in alignment (Section 4715.1430). For plastic 1 ¼-inch and 1 ½-inch pipe, exposed pipe shall be secured at four-foot intervals.
- **Horizontal piping** shall be supported at sufficiently close intervals to keep it in alignment and prevent sagging (Section 4715.1430). Plastic pipe shall be supported at 32-inch intervals.
- **Covers** must be provided on all sumps (Section 4715.2440). They must be fastened or secured so as to prevent entry by children, and must be able to support anticipated loads in the area of use.
- **No gray water** (liquid wastes from sinks, laundry tubs, water softeners, washing machines, etc.) may be drained into the sump basket (Section 4715.0310). Only groundwater and condensate may drain into the sump basket.
- We recommend the installation of a check valve above the sump basket to reduce the time the sump pump runs and simplify the later removal of the pump.
- We also recommend extending the exterior pipe to discharge the water ten feet away from the foundation to keep it from re-entering the building drainage.



Important:

Runoff from sump pump shall not create a nuisance for a neighbor or drain onto a sidewalk or street. (City of Faribault Code of Ordinances, Chapter 16) The discharged water must dissipate on the owner's property.

Please contact the Building Codes Department with any questions at 507-333-0387 OR

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