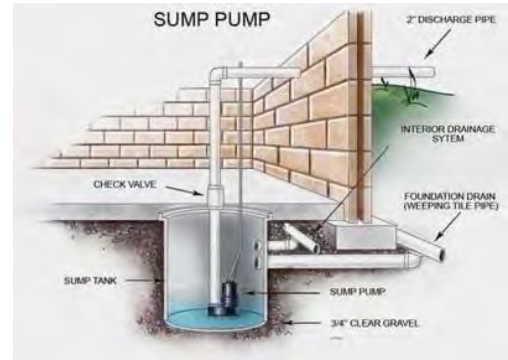


Technical Standard – Sump Pump

Sump Pump Requirements

- 1/3 HP submersible
- Cast-iron or stainless-steel sump pump
- Three-year manufacturer guarantee
- Minimum pump rate of 40 gallons per min at 10 feet of head
- Full load draw should be no more than 5.6 amps



The work shall include existing drainage system determination, sawing/breaking the basement floor for crock installation, excavation removals, transport and disposal of excavated material, supplying and installing the sump pump and crock, connecting the existing interior foundation drains to the crock, backfill using 3/8" limestone chips, supplying and installing discharge pipe from the sump pump to a code approved discharge location or to a storm lateral, and basement floor and foundation wall restoration.

The sump crock shall be installed where it can be connected to the existing interior foundation drains. The sump crock depth dimension shall provide for connection of all foundation drain tiles with sufficient slope as to not induce water pooling in the foundation drains. The contractor shall make every reasonable effort to minimize any conflicts and interferences of the sump crock installation with site fixtures and other utilities. Locations for sump pump installations shall meet state and local building code requirements and homeowner approval prior to construction.

The contractor shall install the pump as per the manufacturer's specifications to ensure satisfactory and complete operation. The discharge pipe from the sump pump through the basement wall shall be 1½" diameter PVC pipe with check valve near the upstream pump end of the discharge pipe. The discharge pipe shall have an air gap /air break at the discharge end on the exterior of the house. The air gap / air break shall be between the discharge end of the pipe protruding through basement wall and the connection to the storm lateral riser pipe or the discharge hose for surface discharge.

Refer to the storm lateral detail for additional information the requirements for the air gap.