

**Focus is Foundation Stability and Stopping Water**

We Research and Follow Engineer Best Practices for Every Part of Our Installations

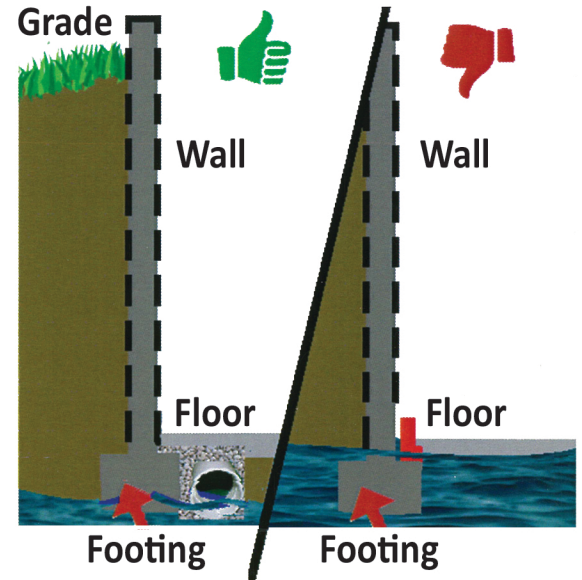
**1. Why is a DRAIN TILE SYSTEM installation so important?**

*International Building Code Section R405.1 Foundation Drainage*

*“Drainage tiles, gravel or crushed stone drains shall be installed at or below... the area to be protected and shall discharge by gravity or mechanical means into an approved drainage system...”*

**What does this CODE mean?** The area that you are trying to protect is NOT the concrete floor - in fact, the concrete floor offers no reinforcement to the structure. The area you are protecting is the FOOTING, which is the PRIMARY STRUCTURAL SUPPORT FOR YOUR ENTIRE HOME. Consequently, a DRAIN TILE SYSTEM is installed next to the footing.

One of the most important DRAIN TILE SYSTEM components is getting water to DRAIN. A footing is flat, so it is important to get the required slope of 1 inch per 16 feet within the system.



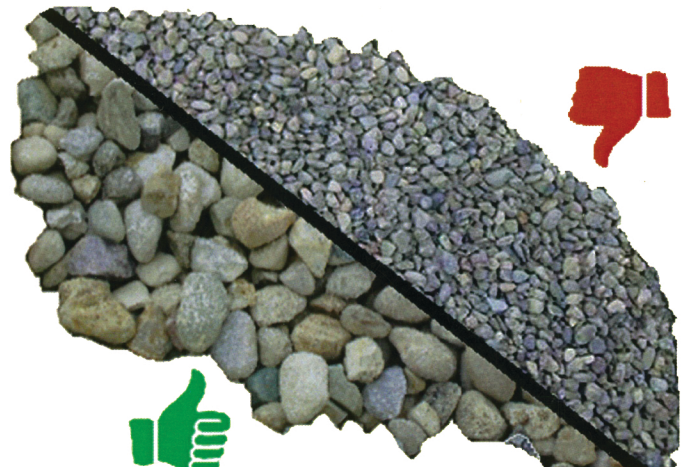
**2. Why do we use perforated PVC pipe?**

- DRAIN TILE SYSTEM can be snaked-out in an instance of build-up or tree root blockage
- It is much stronger material than non-PVC pipe
- It maintains its slope during installation, and does not lose its shape, settle, or collapse over time



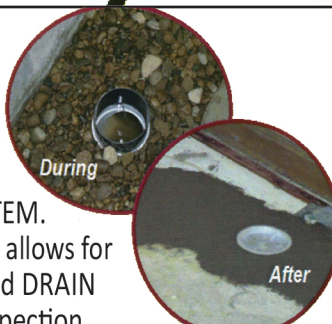
**3. Why do engineers insist on using large rocks?**

- Allow for optimum water flow
- Reduce chance of iron buildup in rocks
- Do not compact over time



**4. Cleanout**

A cleanout is a direct access point for a DRAIN TILE SYSTEM. The access point allows for easy cleaning and DRAIN TILE SYSTEM inspection.



**5. Sump Pump**

We use a Consumer Reports top-rated sump pump for optimum water flow. Improve the sump pump's longevity by keeping the discharge line free of debris and protecting against winter freeze.



**6. Dimple Board**

Dimple board may be used in addition to a DRAIN TILE SYSTEM, in case of water seepage through a foundation wall. Dimple board is a plastic panel placed over a leaking foundation wall that leaves an air gap, so that water seepage is diverted into the DRAIN TILE SYSTEM.

