

## INTERIOR DRAIN TILE

- This handout is intended only as a guide. It shall not be considered a complete set of requirements.
- Materials and installation must comply with the current Minnesota State Building Code and the manufacturers' installation specifications for each product.
- Permits are required to add interior drain tile to existing homes.

### **BUILDING Permit Submittal shall include:**

- Building Permit Application**, completed in its entirety, including signature and valuation.
- One set of plans** (drawn to scale) showing the proposed design, and including:
  - Location of drain tile
  - Location of sump basket
  - Drainage system type
  - Location of sump discharge

### **PERMIT CARD AND APPROVED PLANS (throughout the project) shall be:**

**POSTED** prior to start of work - **VISIBLE** from street or driveway - **ACCESSIBLE** to the inspector

### **INSPECTION REQUIREMENTS:**

Inspections **MUST** be scheduled during office hours **AT LEAST** one business day prior to inspection. If a specific date and time is required, additional notice may be needed. Failure to cancel a scheduled inspection may result in a reinspection fee.

- **Office Hours:** Monday - Friday • 8:00 a.m. - 4:30 p.m.
- **Phone:** (952) 442-7520 or (888) 446-1801

**Inspections** (See your permit card for required inspections for your particular project. Following are descriptions of some of the possible required inspections related to drain tile work.):

- **Someone 18 years or older must be present at the time of the inspection.**
- **Rough-in:** Inspector should be able to see trench, drain tile, gravel or crushed rock, and vapor retarder – PRIOR TO POURING NEW CONCRETE.
- **Final:** Concrete should be poured and system installation complete, with discharge lines installed.

**NOTICE:** Construction or work for which a permit is required shall be subject to inspection by the Building Official, and such **construction or work shall remain accessible and exposed for inspection purposes until approved.** It is the responsibility of the permit applicant to be in attendance on site and provide access to the Building Official for all required inspections. If work is concealed and/or work is not complete at time of inspection, an additional inspection is required and a **reinspection fee may apply.**

**Note:** The State of Minnesota requires all residential building contractors, remodelers, roofers, plumbers, and electricians to obtain a state license, unless they qualify for a specific exemption. Any person claiming an exemption must provide a copy of a Certificate of Exemption from the Department of Labor & Industry to the Municipality before a permit will be issued.

**Note:** To determine contractor requirements, or to check the licensing status of a contractor, please call the Minnesota Department of Labor & Industry at 651-284-5065 or toll free 1-800-342-5354.

**Note:** For specific code requirements, contact the Building Inspection Department at 952-442-7520 or 888-446-1801 or e-mail: [info@mnspect.com](mailto:info@mnspect.com).

### **PROJECT INFORMATION:**

The following is a guideline to assist in compliance with the requirements of the MN State Building Code.

- Drain tile or pipe must be at least  $\geq 3$ " in diameter (MN Plumbing Code 1101.5).
- $\frac{3}{4}$ " minimum washed gravel must cover the pipe by more than 4" on all sides (MN Plumbing Code 1101.5).
- Minimum slab thickness is to be  $3\frac{1}{2}$ " (MN Residential Code 506.1).
- The discharge line must be  $1\frac{1}{2}$ " diameter minimum (MN Plumbing Code 1101.5.2).
- Discharge line must have a check valve (MN Rules Chapter 1303.2402 Subpart 4, E).
- Sump pump must have  $\geq 15$  gallons per minute flow rate (MN Plumbing Code 1101.5.2).
- Sump basket must be a minimum of 15" in diameter and 18" deep, with a fitted, gasketed, and a secured cover (MN Plumbing Code 1101.5.2).