

## Paver Installation

**Excavation:** *Before digging, always call your local utility companies to locate any underground lines.*

In general terms, a minimum of 4" of compacted aggregate base is recommended for patios and walkways, and 8" for residential driveways where freeze/thaw conditions exist. Add additional depth for thickness of paver + 1" for bedding sand. **(TBI specifications 6" base for patios/walks, 10-12" for driveways.)**

### **Base Preparation:**

As with any building project, the finished product will only be as good as the construction of the base. When preparing the base we first run a plate tamper over the excavated area. We then place Mirafi separation fabric down to keep soil from entering the stone base. The spread stone base is then compacted in 4-6" lifts (depending on type of compactor.) The stone is then compacted thoroughly, and repeated till the desired height is reached. (Use of a laser level is recommended to maintain consistent height throughout.)

### **Sand Setting Bed:**

Using 1" bars, and a level, sand is screed across the compacted surface in 4'- 6' wide sections. We then lay pavers on the sand, and repeat for each section.

### **Laying Pavers:**

*For an even mix of paver colors, draw from several cubes when installing them.* Starting from a permanent edge, lay your first pavers from either side, making sure to set them lightly on the sand (never press or hammer them in.) Every 4' or so is best to check to make sure that your lines are straight.

### **Cutting Pavers:**

All stones to be cut are marked with a wax crayon. Either a diamond blade wet saw (recommended), paver splitter, or hammer and chisel are used to separate the pavers. **Always wear safety glasses.** A respirator and ear plugs are also recommended!

### **Installing of Edge Restraints:**

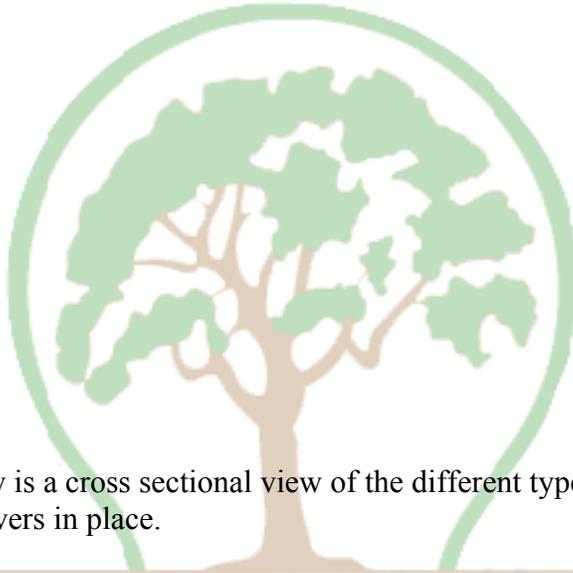
All edges that are not up against a permanent structure are held in place with an edge restraint..

### **Seat the Installed Pavers in the Bedding Sand:**

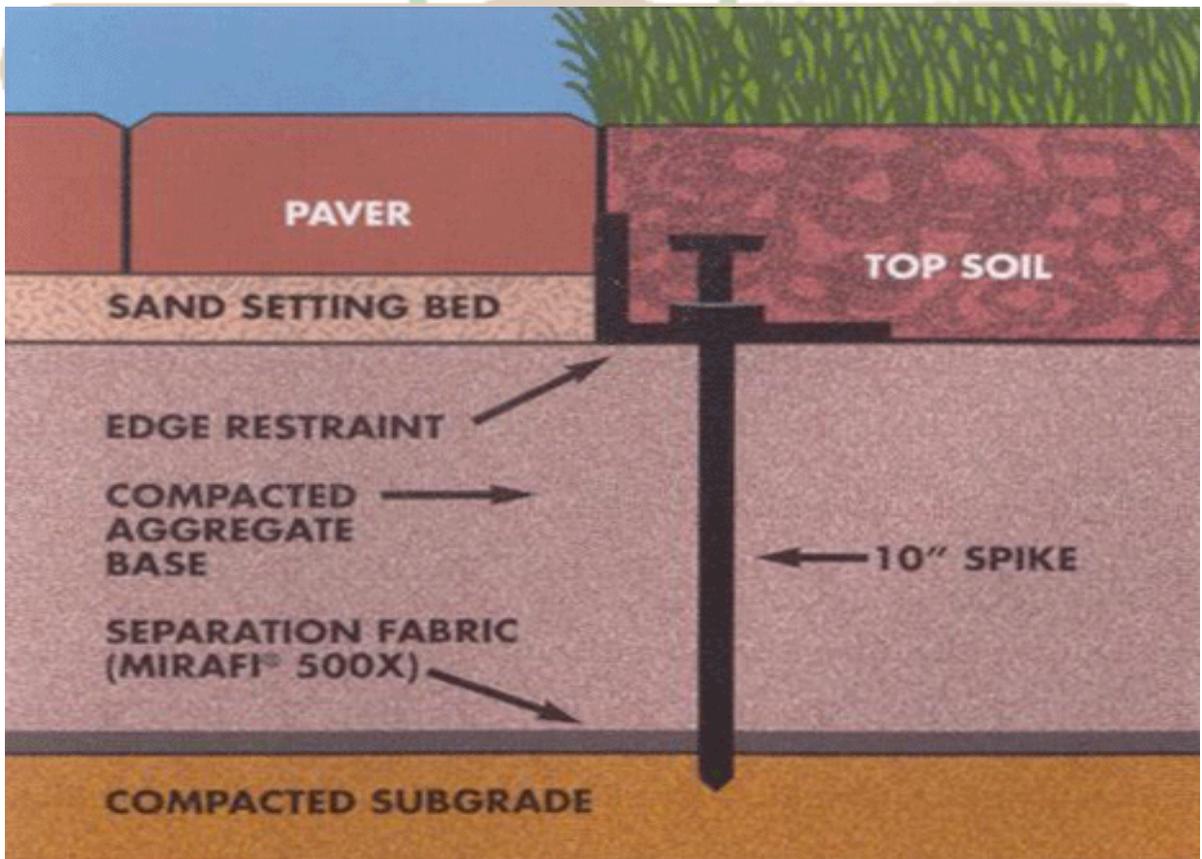
We first sweep all pavers clean prior to compaction. The finish of the pavers are protected by placing a rubber pad on the bottom of the plate tamper. After doing so, we will typically make two passes over the entire paver surface with the tamper. This will level the pavers, and fill the joints with sand from below.

### **Filling Joints with Sand:**

The joints between the pavers are filled by brushing polymeric joint sand into them. When activated with water, the sand creates a bond between the pavers, therefore reducing the chance of wind/water erosion of the sand fill. After applying the sand the surface is once again tamped.



The figure below is a cross sectional view of the different types of material that we install prior to placing your pavers in place.





**" Where Ideas Take Root "**

