

The Competitive Difference

Knee Wall & Column Specification Sheet

All hardscape installations performed by TBI Unlimited, LLC are held to the highest industry standards. We provide you with this specification sheet so that you may further understand how, and why we are the fastest growing landscape/ hardscaping firms in South Jersey. When having TBI Unlimited, LLC install your hardscape you can rest assured that the following specifications will be adhered to at all times.

1)Excavation

- Soil will be excavated to a depth of 6" + height of wall block used(1 course of block will be buried below grade to serve as leveling pad.)
- Depending upon scale of project and vehicle accessibility, excavation will be performed via hand, mini skid- steer or backhoe.
- Area to be excavated will extend 1' on all sides of wall &/ or column foot stamp.

2) Compact Sub-grade

- Earth beneath paver surface will be thoroughly leveled by using laser levels
- Earth will then be compacted with vibratory plate compactors, or jumping jack compactors(dependant upon soil conditions.)

3)Laying of Separation fabric

- Typically Mirafi 500X geo-textile separating fabric will be laid upon previously compacted sub-grade, and will wrap all wall surfaces of excavated trench.
- Separating fabric provides as a barrier between soil and crushed concrete to eliminate settlement of concrete into soil.
- Mirafi 500X has a 50 year life expectancy.
- Other Geo-textile fabrics may be substituted for Mirafi 500X if specific project requires so.

4)Compaction of Aggregate Base

- A minimum of 6" of crushed concrete will replace the soil previously excavated from site.
- Crushed concrete will be laid and compacted in 2-3" intervals.
- Leveling pad will extend 1' on all sides of structure in order to maintain level positioning of structure
- Doing so will allow for proper compaction of aggregate base.

5)Building of Wall/ Column

- Selected material will be adhered using Basic Bond Adhesive or other such product.
- All corners will be located using string lines, and square.
- All cuts will be made with Diamond bladed saws, and all imperfections in height of block/ caps will be corrected with grinder &/or shims.

6)Addition of Lighting to Wall or Columns.

- All wiring for lighting fixtures will be contained in PVC conduit, and buried within crushed concrete layer prior to construction of wall/ column.
- 12 watt, low-voltage lighting will be used in all applications unless specified otherwise.