

Retaining Wall 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 (1.75 courses 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 and/ or column foot print.

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) to achieve 98% proctor density.

3)Laying of Separation Fabric

- 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.

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, to achieve 98% proctor density.
- Leveling pad will extend 1' on all sides of structure in order to maintain level positioning of structure

5)Building of Wall/ Column

- Selected material will be adhered using Masonry Adhesive or clips/pins.
- 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.
- Mirafi 3XT- Geogrid will be placed between 3rd and 4th & 6th & 7th courses. Geogrid will be laid level to ground, and will extend 6 feet behind wall.

6)Backfill of Wall

- 3/4 clean stone will be used to backfill wall. Wall will be backfilled to 1' from back of wall.
- 6" slotted corrugated drainage tile will be buried at base of wall to allow for proper drainage of water built up behind retaining wall.
- Drainage tile will daylight from wall every 100'