

INSTALLATION GUIDELINES & METHODS - NATURAL STONE

These are general guidelines for installing Oakville Stone Natural Stone pavers using the following installation methods: Open-Graded Base, Traditional, and Wet-Lay/Mortar. These general guidelines are for residential foot traffic for patios and walkways and are published only as a general reference.

To ensure a beautiful installation, when laying Oakville Stone natural stone paving be sure to pick pieces from at least two or three different crates. This will ensure a good mix of color and texture variation and a spectacular result.

OPEN-GRADED BASE INSTALLATION

Step 1 Once the designated area has been excavated down to undisturbed native soil, Compact the subsoil.

Step 2 Install non-woven geotextile filter-fabric over compacted subsoil.
Recommended fabrics: Gator GF 4.4 and Mirafi 140N

Step 3 Install a 6" – 8" compacted Base Layer of 3/4" clear open-graded gravel (No. 57).
Base Layer should be compacted in 3" - 4" lifts.

NOTE: 6" is the minimum Base Layer for any project. Site conditions should be examined to determine if additional base depth is needed. The stone surface and the base should slope away from structures.

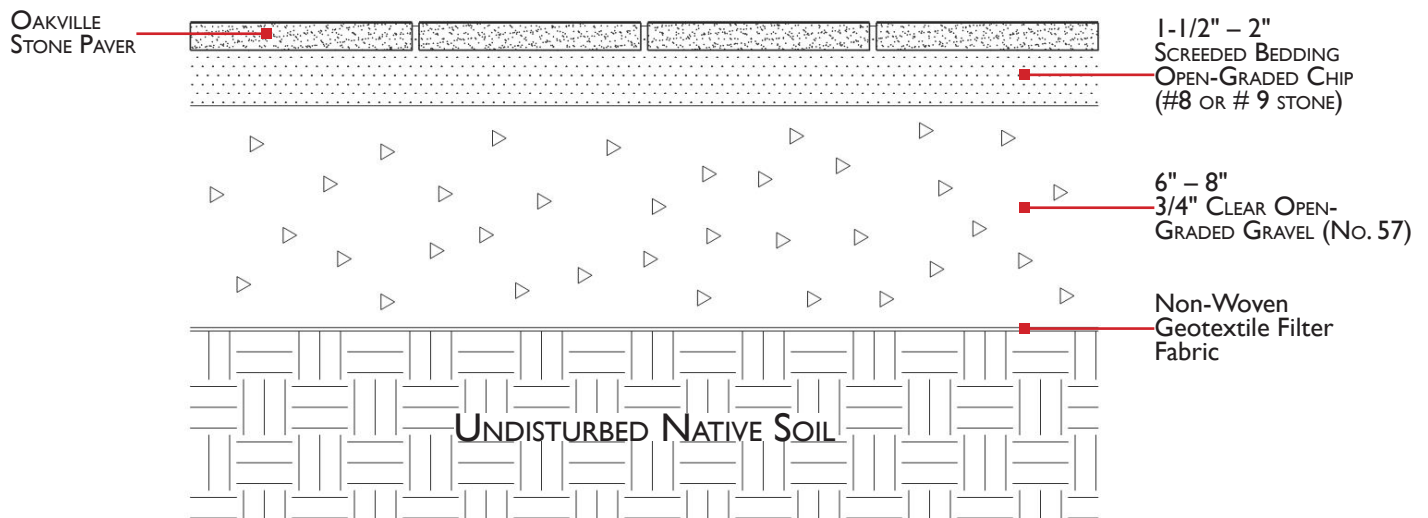
Step 4 Install a 1-1/2" – 2" screeded Bedding Layer of open-graded chip (No. 8 or No. 9 stone).

Step 5 Install the Oakville Stone Natural Stone pavers (1" nominal thickness).
Natural Stone pavers should not be plate compacted. Tap down with a rubber mallet to level.

NOTE: Pavers can be laid with or without a joint (1/4" maximum joint width).

Step 6 Install the SEK EdgeCrete Edging as directed on manufacturer's packaging.

Step 7 Install a Jointing Material that will allow water to dispense through the paving system.
Recommended Jointing Material: Alliance Nitro Joint Sand or Polymeric Sand.



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INSTALLATION GUIDELINES & METHODS - NATURAL STONE (continued)

TRADITIONAL INSTALLATION

Step 1 Once the designated area has been excavated down to undisturbed native soil, Compact the subsoil.

Step 2 Install non-woven geotextile filter-fabric over compacted subsoil.
Recommended fabrics: Gator GF 4.4 and Mirafi 140N

Step 3 Install a 6" – 8" compacted Base Layer of 3/4" crushed stone with fines (No. 411).
Base Layer should be compacted in 2" - 3" lifts.

NOTE: The stone surface and the base should slope away from structures.

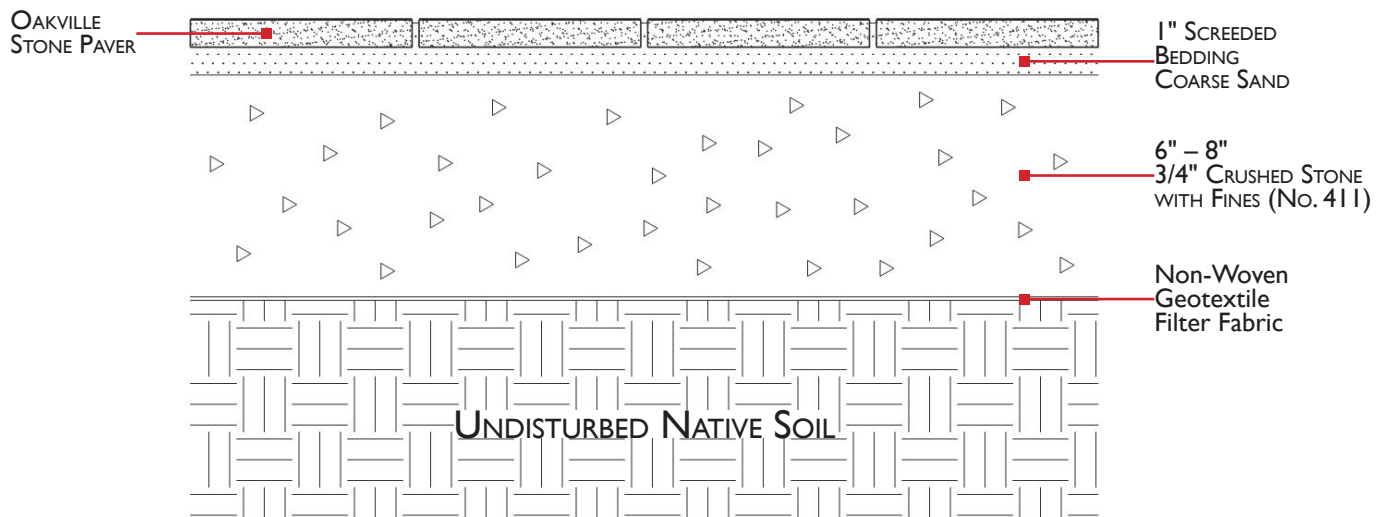
Step 4 Install a 1" screeded Bedding Layer of coarse sand (ASTM C33).

Step 5 Install the Oakville Stone Natural Stone pavers (1" nominal thickness).
Natural Stone pavers should not be plate compacted. Tap down with a rubber mallet to level.

NOTE: Pavers can be laid with or without a joint (1/4" maximum joint width).

Step 6 Install the SEK EdgeCrete or SnapEdge Low Profile Edging as directed on manufacturer's packaging.

Step 7 Install a Jointing Material such as a polymeric sand as directed pm manufacturer's packaging.



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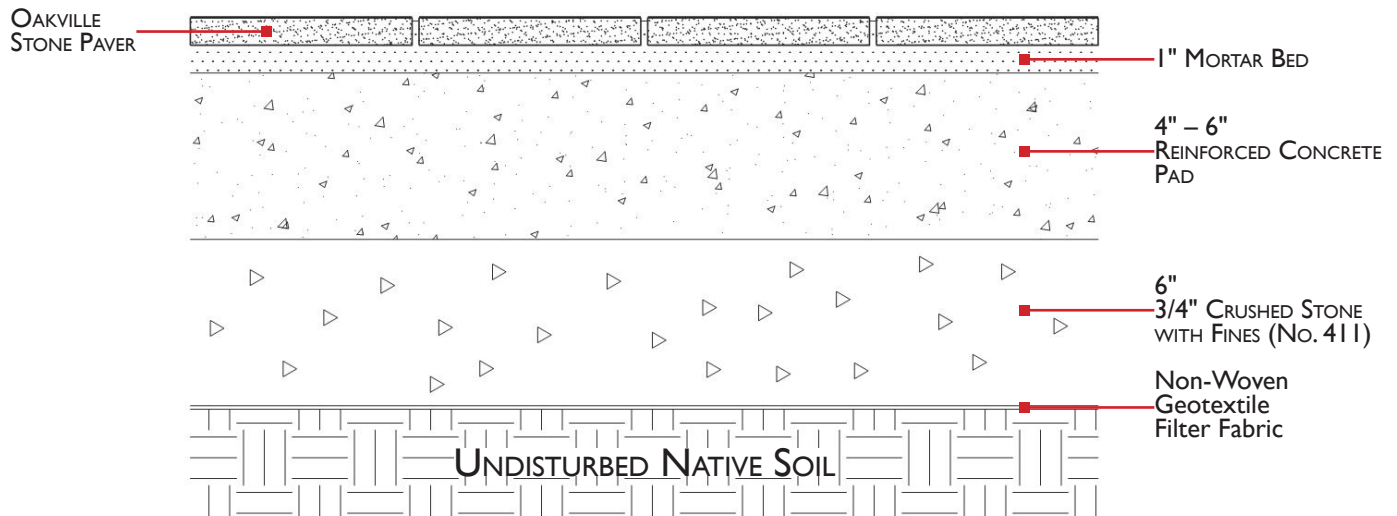


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INSTALLATION GUIDELINES & METHODS - NATURAL STONE (continued)

"WET-LAY" OR MORTAR INSTALLATION

- Step 1** Once the designated area has been excavated down to undisturbed native soil, Compact the subsoil.
- Step 2** Install non-woven geotextile filter-fabric over compacted subsoil.
Recommended fabrics: Gator GF 4.4 and Mirafi 140N
- Step 3** Install a 6" compacted Base Layer of 3/4" crushed stone with fines (No. 411).
Base Layer should be compacted in 2" – 3" lifts.
- Step 4** Pour a 4" – 6" reinforced Concrete Pad.
- Step 5** Install a 1" Mortar Bed using a ratio of 3:1 mix of Mason Sand and Portland Cement.
- Step 6** Install the Oakville Stone Natural Stone pavers applying some mortar to the back of the stones.
A 3/8" – 1/2" joint spacing can be used and filled using a grout bag.
(pavers are 1" nominal thickness)



CLEANING & CARE

- ♦ Stone can be cleaned first with a mild soap solution, a stiff deck brush, and water. DO NOT use a metal wire brush.
- ♦ If required, a pressure washer is acceptable to clean the natural stone area. Ensure the nozzle is not set to the most concentrated stream to avoid the risk of damaging the stone.
- ♦ NEVER use any cleaner containing muriatic or hydrochloric acid to clean natural stone.
- ♦ It is recommended to use a protective mat in cooking areas.
- ♦ If a stain persists, there are many natural stone cleaning products on the market.
- ♦ Sealing or not sealing, is entirely a personal choice. Before proceeding with any type of natural stone sealer or cleaner, be sure to first test it in an inconspicuous area.
- ♦ Natural stone can be sealed, and it is recommended that the Oakville Black Limestone product always be sealed. Ask the following questions when choosing a sealer. Always, follow manufacturers application procedures:
 - 1) Is it suitable for that stone type?
 - 2) Is it breathable?

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