

**BROCK**  
**PaverBase**

For All Patios, Walkways, Stackable Sitting Walls, Pillars, Artificial Turf, Athletic Courts, Sheds and More

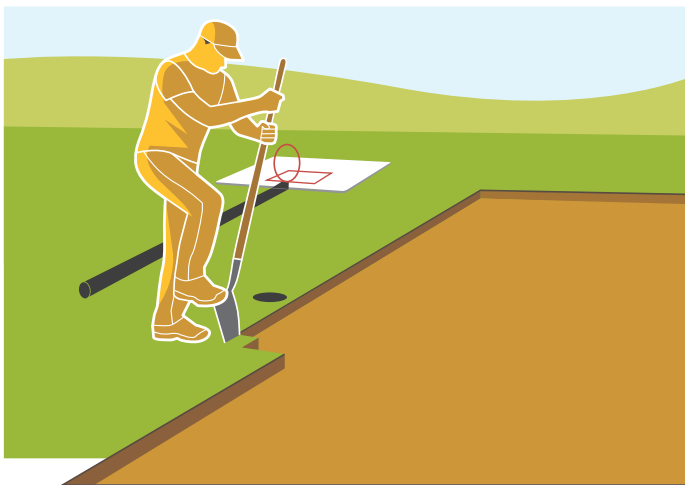
**HOW TO INSTALL  
 ATHLETIC COURT TILES,  
 DECORATIVE STONE/ROCK**

Basketball, Tennis, Pickleball, Bocce Ball Courts,  
 Decorative Stone - Rock Pathways

**THE BASE is the most important step for long lasting projects.**

**STEP 1  
 PREPARING YOUR PROJECT AREA**

Determine how much to excavate using the example below. Remove the grass to desired depth (skim rather than dig deep) and a few inches wider than you project area.



**MATERIAL REMOVAL GUIDE**

**Tim's Tip:**

The total project area will be approx. the thickness of your Athletic Court Tiles Ex: 1".

How deep you need to dig is determined by adding the thickness of the following components:

<b>EXAMPLE</b>	<b>Approx. Thickness</b>
Leveling Sand on Fabric	1/2 Inch (hand tamp)
Athletic Court Tiles*	+ Approx. 1 Inch
Brock PaverBase	+ Approx. 3/4 Inch
Dig out this many inches below your current level	= Approx. 2-1/4 Inches

\*will depend on the Athletic Court Tiles and size and depth of Decorative Rock/Stone you select.



Basketball Court

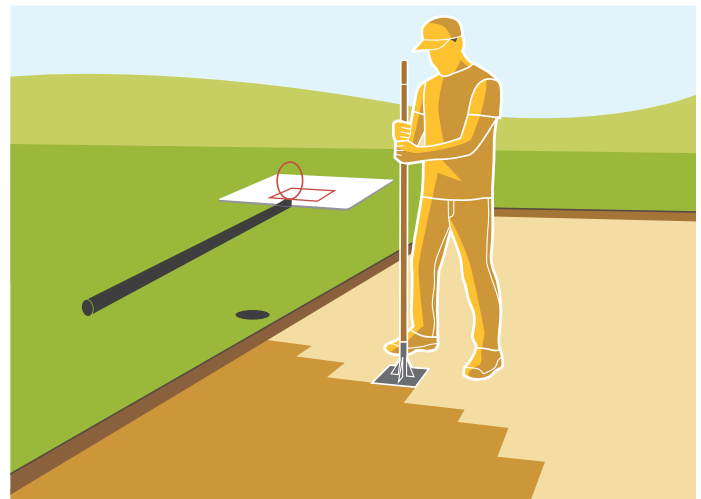
**STEP 2  
 LEVEL AND COMPACT THE BASE**

Using a hard rake and/or shovel, compact and level the area with appropriate slope. The ground should be tightly compacted using a hand tamper or plate compactor. The slope should be about 1/4" per one foot of distance. It is helpful to pull a string line so you can check your slope. To run a string line, attach a string to a fixed point on the house side about 3" above the surface of the patio, and pull it tight toward the outside edge of your new patio area. Attach the other end to a landscape stake in the ground making sure the string is tight. Use a level and ruler to create the desired slope. For example, the patio should slope 2.5" over a 10 foot distance (Diagram below). This will ensure that the patio moves water away from the house.

**Tim's Tip:**

Use along straight edge or side of a 2 x 4 (from high end to low end of you project) to fix the high and low spots.

The area should be as smooth as possible, making sure to get rid of high and low spots to within +/- 1/4". This is now your compacted ground with 1/4" slope per foot. Congratulations, the hard part is over!



**TIP:** For clay soils, use dirt/soil or base material to make it easier to compact the ground flat with 1/4" slope per foot.



First Basketball Court using Brock PaverBase

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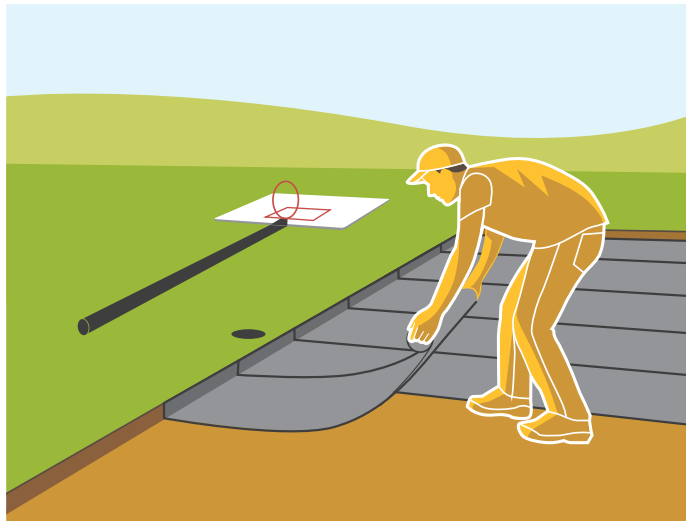
**STEP 3**

**ADD A LONG LASTING LANDSCAPE FABRIC**

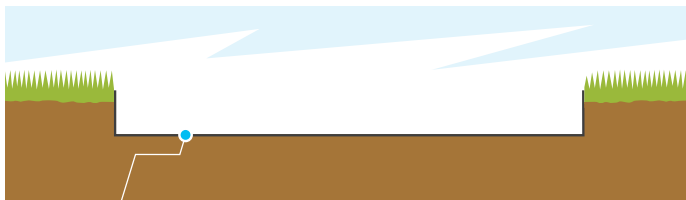
Next install long lasting landscape fabric (15, 20, 30 years, Lifetime) over the excavated and compacted area. Overlap the edges of the fabric by 4-6".

**Tim's Tip:**

Lay extra fabric on the sides. After you lay the panel or panels and paving stones, fold the fabric up then place edge restraints. This will ensure sand cannot leech out.



**TIP:** Add landscape pins to hold panels tight.



**LANDSCAPE WEED FABRIC (BARRIER)**

**NOTE:** Fabric holds in the sand, not for weeds.

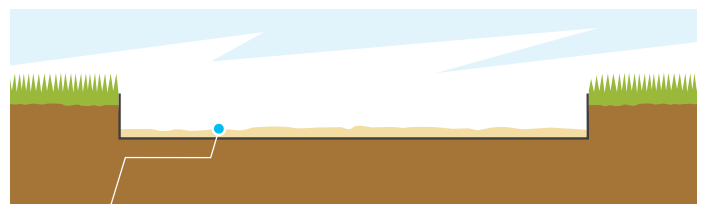


Tennis and Basketball Court

**STEP 4**

**SPREAD A 1/2" LAYER OF LEVELING SAND**

Lay two 1/2" pipes (or rebar) on top of the fabric over the ground in the same direction as your slope, high to low end. Spread an even layer of sand over the pipes in your project area.



**1/2" ALL PURPOSE LEVELING PAVER SAND (STEP 2 SAND)**



Basketball Court

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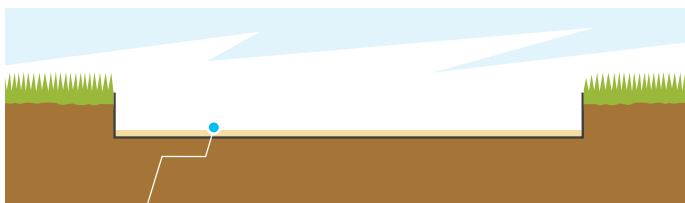
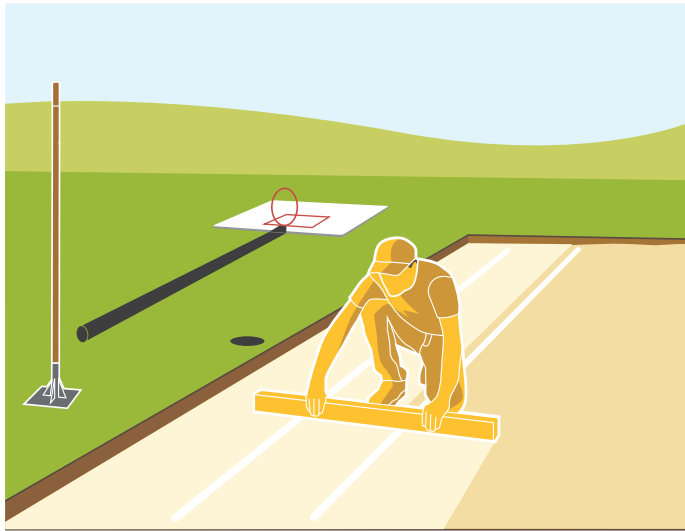
**THE BASE is the most important step for long lasting projects.**

**STEP 5  
 SCREED THE SAND USING A BOARD**

Using a standard 2x4 that is 6 feet long, screed the sand using the board along the pipe or rebar, maintaining your slope so watch your string line. Make sure the board you use is straight and true! Hand tamp the sand and recheck to make sure you do not have any high or low spots. Do not use a plate compactor to compact the sand. Do not use a plate compactor to compact the sand.

**Tim's Tips:**

- Remove the screed pipes before laying your panel.
- Use long straight edge or side of 2 x 4 same (as step 2) after you hand tamp the sand.



1/2" ALL PURPOSE LEVELING PAVER SAND



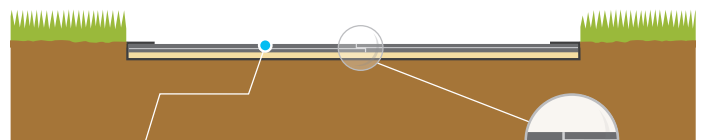
Basketball Court

**STEP 6  
 INSTALL BROCK PAVERBASE PANELS**

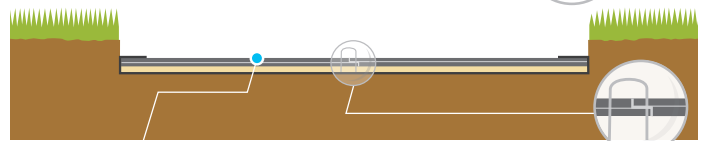
Starting against a straight edge of the patio, lay the Brock panels, ensuring that the side flanges overlap. Ideally, lay them in a "brick-like" pattern (illustration below). This will ensure stability of the panels when you lay the pavers. To off set the panels (for the second row), cut a panel in half, using a utility knife, and start with the cut panel edge on the outside (where the edge restraint will be) so the panel flange/lips (tongue and groove) can be used. Use the bottom half panel to finish the end of the next row. As you are laying your panels, use some landscape fabric pins to hold the panels tight for the next step.

Trim any curves or along edges using a utility knife. Place any extra scrap pieces of Brock PaverBase in your recycling bin.

**TIP:** Fold the fabric up and or up and over the panel to ensure the sand cannot leech out in time.



BROCK PAVERBASE PANELS



BROCK PAVERBASE PANELS AND LANDSCAPE FABRIC PINS



Landscape Fabric Pins

**STEP 6A**

Use landscape fabric pins to hold panels tight before laying the second layer of fabric over the top of the panels.

Use 3 pins per panel.

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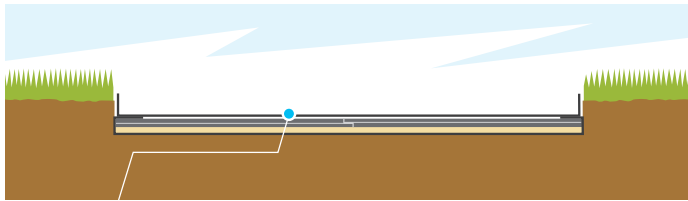
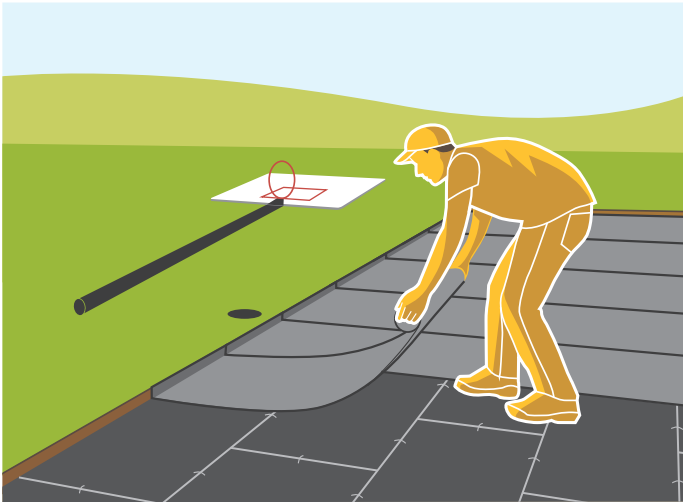
Basketball, Tennis, Pickleball, Bocce Ball Courts, Decorative Stone - Rock Pathways

**THE BASE is the most important step for long lasting projects.**

**STEP 7**

**ADD 2ND LAYER OF LONG LASTING LANDSCAPE FABRIC**

Once the Brock PaverBase is installed, place a second layer of weed barrier fabric on top of the panels to stop any sand migration. Yes you can walk on the panels. Overlap the edges of the fabric by 4-6".



LANDSCAPE WEED FABRIC (BARRIER)

**Tim's Tip:**

Important to use a 20-30 year or lifetime landscape fabric. The fabric will keep the uv rays from reaching the panels.



Basketball Court

**STEP 8**

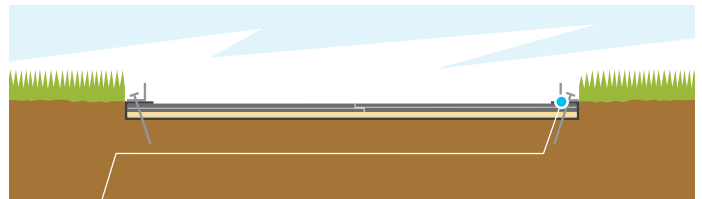
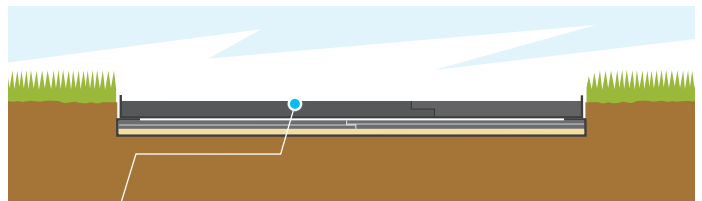
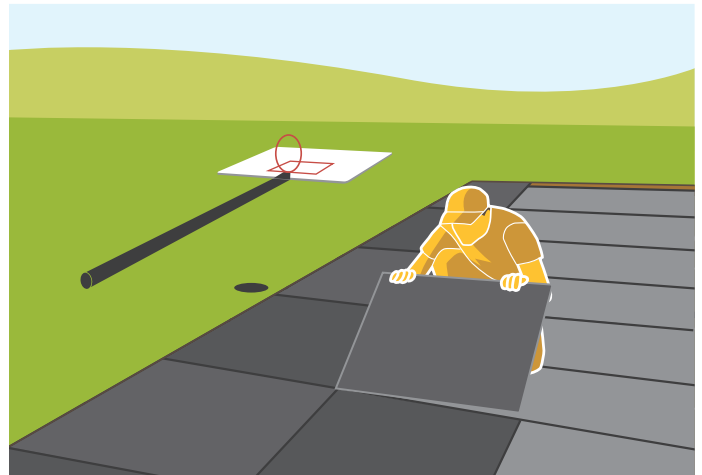
**INSTALL THE ATHLETIC COURT TILES**

Now the fun really begins! Lay the Athletic Court Tiles directly on the Brock PaverBase panels. Yes you can walk on the panels when laying the tiles.

**NOTE:** For Decorative Stone/Rock projects, add desired stone/rock depth for pathways and in between paving stones applications.

**Tim's Tip:**

You can use landscape spike on the outside panels to hold in place.



EDGE RESTRAINTS AND SPIKES



Basketball Court

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**STEP 9**

**TIME TO PLAY AND HAVE FUN**

Enjoy your athletic court to create memories for years to come!



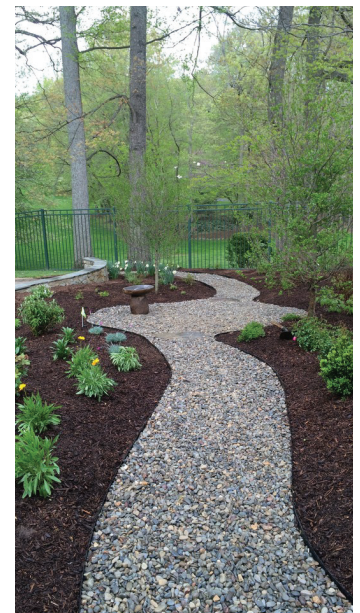
Basketball Court



Bocce Ball Court



Pickleball Court



Decorative Stone - Rock Pathway - Follow Steps 1 to 7



**Need help?**

Call Tim Newton anytime with questions  
or to discuss your PaverBase project:  
**813.431.8259**