

# UNREINFORCED WALLS

**NOTE:** The following is an example of a typical GeoStone installation. Not all walls require the same techniques. GeoStone recommends consulting with an Authorized GeoStone representative or professional installer before undertaking such a project. Check with your local municipality before starting any construction project for applicable regulations and permits that may be required.



**(1)** Dig a two foot wide foundation trench 6 to 12 inches deep removing soft surface top soils.



**(2)** Rock foundation & leveling pad. Crushed rock is placed 2 to 4 inches deep in trench and leveled.



**(3)** Foundation and leveling pad is completed with a mechanical plate tamp or hand tamp.



**(4)** Base course of Geostone blocks are placed on compacted level rock foundation.



**(5)** Blocks are aligned as desired. If wall is straight, use a string line.



**(6)** Finish leveling. Using a 2 foot carpenter's and a rubber mallet, level each block front to back and side to side with the adjoining block.



**(7)** Additional courses of Geostone blocks are placed on the base course in running bond. Be consistent in setting the batter (set back) in each course.



**(8)** When 2 to 4 courses of block have been placed in your wall and properly aligned you will overfill (slightly) the core of the blocks and two feet behind the wall with #67 crushed stone every 2 to 4 courses. Plate or hand compact the stone until level with the top of the block.



**(9)** Sweep the rock from the top courses of block. Place additional courses of block on the wall repeating the construction process until the desired wall height is achieved.



**(10)** Adding a curve can be achieved easily due to the shape of the block and it not being hindered by lips or pins.



**(11)** Stepping Up is a method used to follow a slope up hill. The base course runs into the ground as shown while the course above continues on. Make sure to level each footing block in the step up procedure.



**(12)** Finish the wall with the Wall Cap product. Adhere Wall Cap to the last course of block with outdoor construction adhesive.



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The GeoStone system is a professional module and is a very powerful wall when installed correctly. Certain situations can impact a wall and should be taken into consideration in its initial design. Situations include but are not limited to: Significant slopes in front of or behind wall, structures or loading otherwise known as surcharge, poor drainage, and/or poor soil conditions. For more information and installation techniques, please call us at (352) 799-7933, or visit us at: [www.FlagStonePavers.com](http://www.FlagStonePavers.com)



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