

BROCK
PaverBase

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

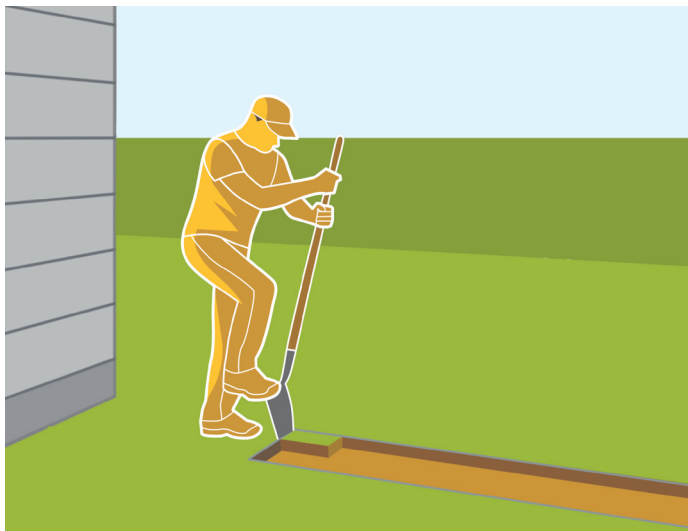
**HOW TO INSTALL
 STACKABLE RETAINING WALLS**
 Pillars, Sitting Walls, Benches, Grills, Mailbox

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 at least double to depth of your stackable wall unit (front to back).



MATERIAL REMOVAL GUIDE

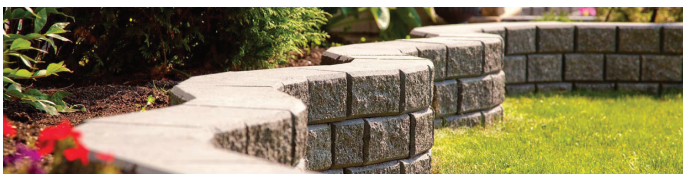
Tim's Tip:

How much to remove? The total project depth will be approx. the thickness of your stackable wall unit +1"

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

EXAMPLE	Approx. Thickness
Leveling Sand on Fabric	1/2 Inch (hand tamp)
Wall (Thickness/Height)*	+ Approx. 4 Inches
Brock PaverBase	+ Approx. 3/4 Inch
Dig out this many inches below your current level	= Approx. 5-1/4 Inches

*will depend on the Wall Unit you select.



Garden Wall

STEP 2

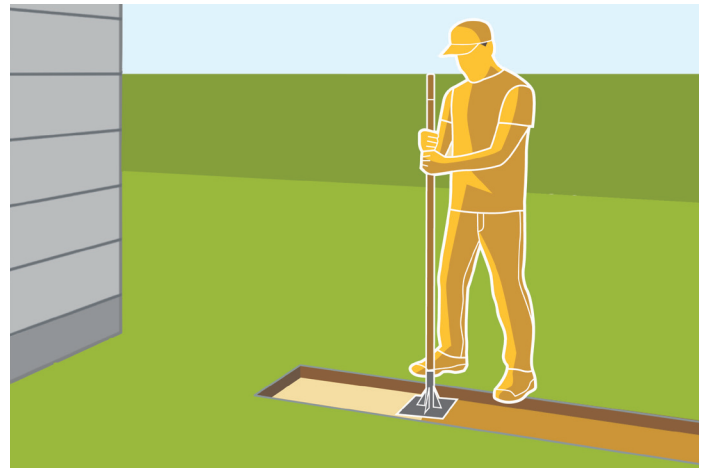
LEVEL AND COMPACT THE BASE

Using a hard rake and/or shovel, Compact the area level front to back and side to side. The ground should be tightly compacted using a hand tamper or plate compactor, depending on the width of your trench. Use a straight edge to see and fix the high and low spots with a rake and recompact until level. You do not want to use sand to fix the low spots. Use a level and check the trench - front to back and side to side making sure the ground is level.

Tim's Tip:

For clay soils, use a material that compacts well, like soil/dirt or some bag base to make it easier to compact and level.

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 flat 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.



Sitting Wall and Bench



Pillar and Sitting Wall

NOTE: Built directly on patios and walkways, just stack wall units and use concrete adhesive on all layers.

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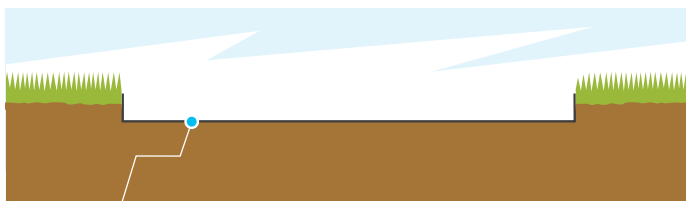
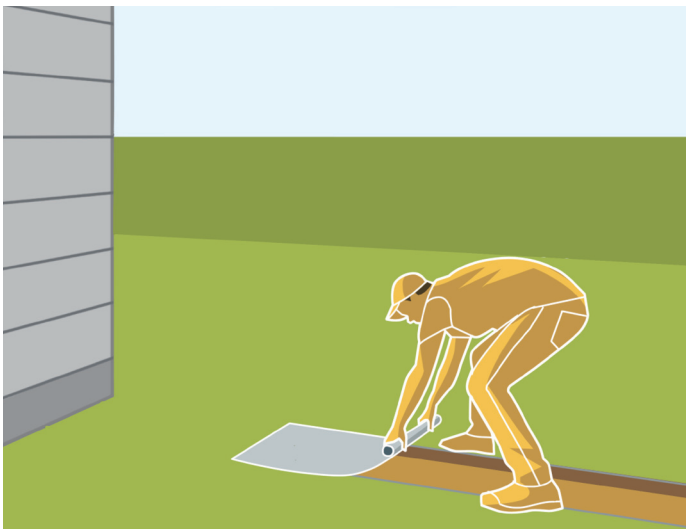
STEP 3

ADD A LONG LASTING LANDSCAPE FABRIC

Next install long lasting landscape fabric (15, 20, 30 years, Lifetime) over the excavated and compacted area. Leave extra fabric on the sides and ends.

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.



LANDSCAPE WEED FABRIC (BARRIER)

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

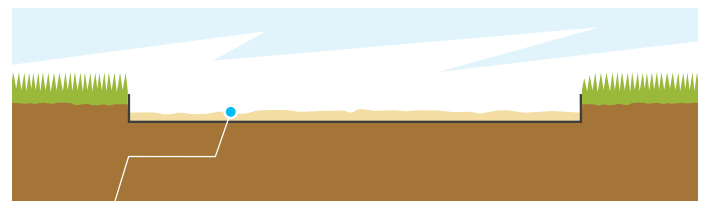
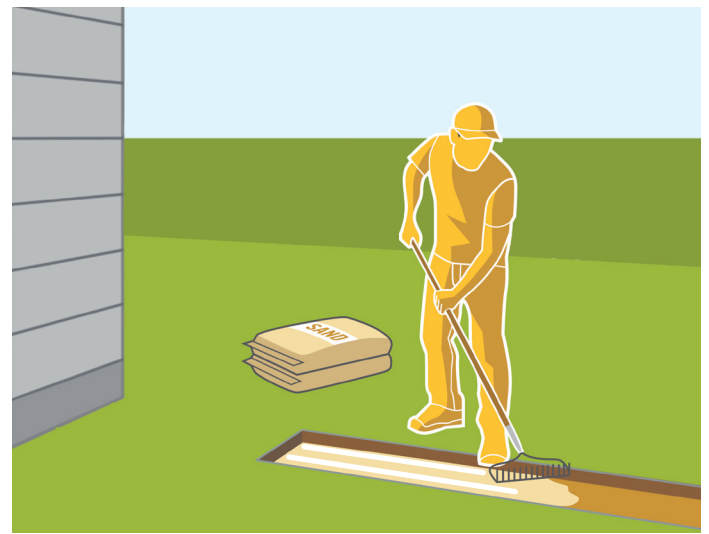


Garden- Sitting Wall and Pillars

STEP 4

SPREAD A 1/2" LAYER OF LEVELING SAND

Lay 2 1/2" pipes or rebar (outside diameter) on top of the fabric inside the trench. Spread all purpose leveling paver sand (also called step.



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



Garden Wall



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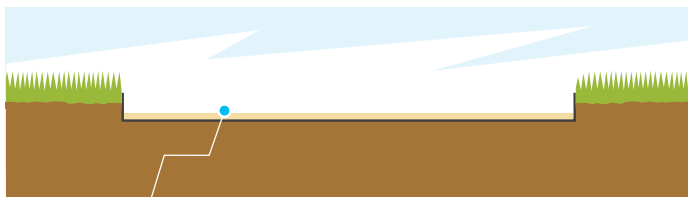
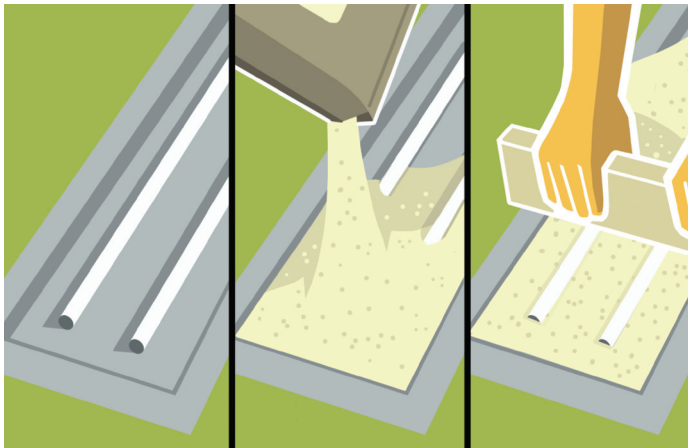
STEP 5

SCREED THE SAND USING A BOARD

Using a short 2x4 slightly smaller than the trench width, screed the sand using the board over the pipes or rebar, keeping the sand even. Move the pipes along the trench as you go. Remove the pipes and hand tamp the sand. Use a straight edge or level to make sure you still do not have any low spot.

Tim's Tips:

- If you are building a short wall and your area is on a slope, start at the low end digging your trench. You may have multiple tiered wall areas and have more stacked wall units on the low end rows/courses than the high end. Keeping trench level at all times.
- Remove the screed pipes before laying your panels.



1/2" LEVELING SAND SCREED

STEP 6

CUT PANELS, INSTALL BROCK PAVERBASE CUT PANELS

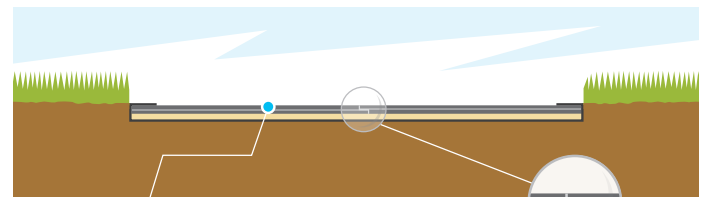
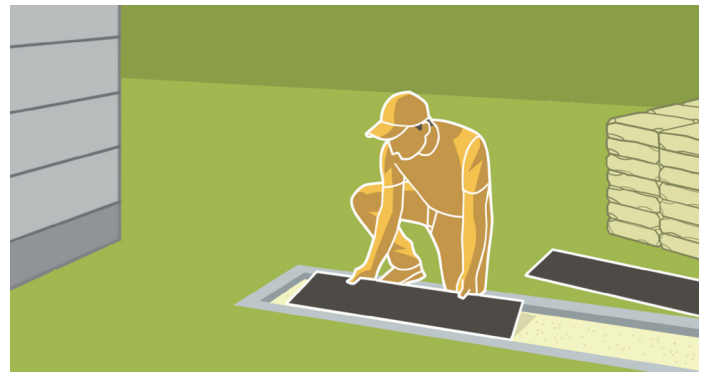
Stack the panel so the corner all match (tongue and groove or under and over). Then cut your panels long ways (36" length) using a level or straight edge and utility knife. The Panels should be wider than your stackable wall units by at least 2" to 3" on either side.

Starting at one end, lay your cut panels in the trench.

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

Tim's Tips:

Fold the extra landscape fabric up on all sides and backfill the dirt and compact. This will prevent the sand from leeching out.



BROCK PAVERBASE PANELS



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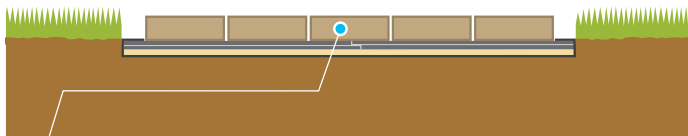
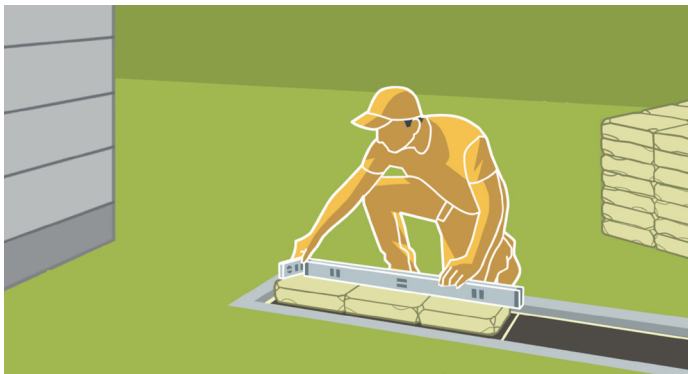
Pillars, Sitting Walls, Benches, Grills, Mailbox

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

STEP 7

INSTALL THE STACKABLE WALL UNITS

Now the fun really begins! Lay your stackable wall unit on the panel keeping extra panel (2" to 3") on the all sides. Use a level and rubber mallet if needed to check that the wall units are still level in all directions. Continue laying your wall units 1st layer/course.



BACK FILL AROUND THE SIDES OF THE BURIED FIRST COURSE

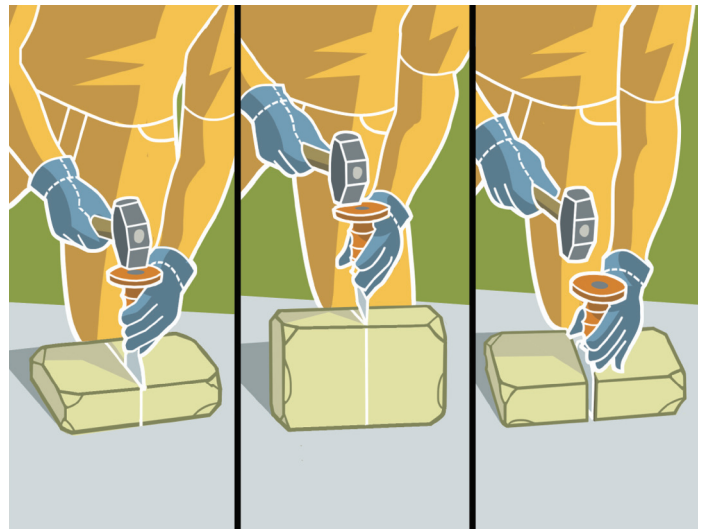


STEP 8

SPLIT WALL UNITS

You will need a split wall unit to begin your 2nd row/course and all even layers (2, 4, 6). This will offset the units as needed.

Use safety glasses and gloves to split your wall units. Begin by scoring the wall unit on all sides using a chisel and sledge hammer. You are not trying to split the unit, just score (deep Scratch marks). Continue rotating the wall unit and scoring on all sides. The better you score the better split you will have. Keep rotating the wall unit on sides until split. Congrats, your did it!



Bench Wall



Two Pillars with Bench



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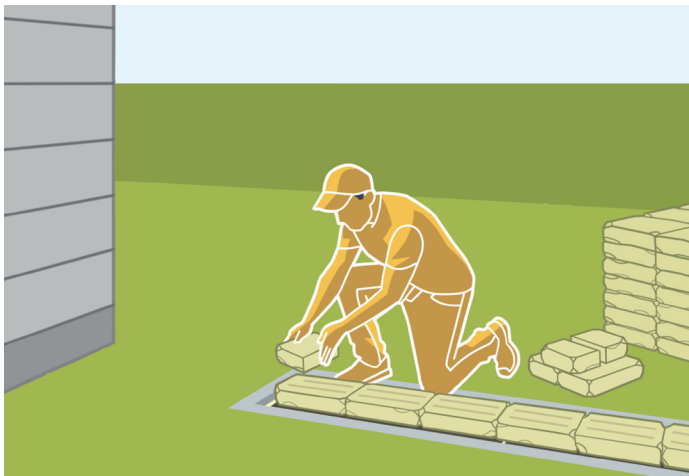
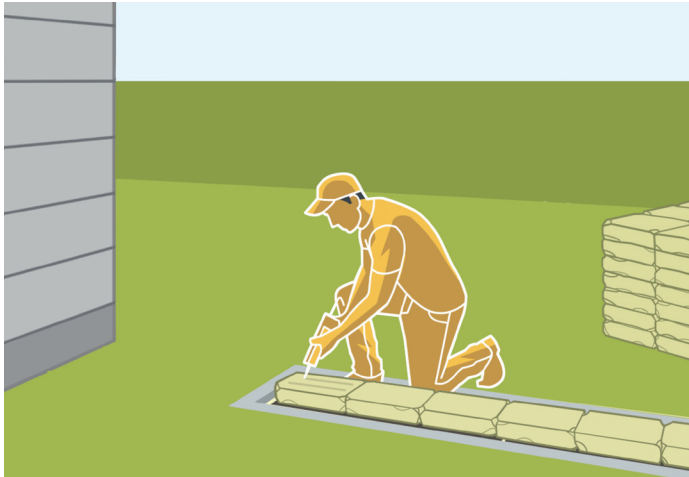
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STEP 9

LAY COURSES OFFSETTING YOUR WALL UNITS

Prior to starting the second row/course, use a good concrete adhesive (2 lines/beads) on top of the wall units. Do this for each row/course



Lay your split 1/2 wall unit to begin the second row/course. Continue laying full units. The 3rd course, begin with full wall unit. This will make sure you always off set the wall units below.

Tim's Tips:

For wall units with a lip on the bottom, use a chisel and sledge hammer to knock off the lip so it lays flat on the panel. It will not effect the wall unit structure.

See following pages for more options.

STEP 10

ROWS/COURSES AND TOP CAP

Continue adding your rows /courses. Use concrete adhesive on each layer. Odd rows/courses (1, 3, 5) use full wall units Even rows/courses (2, 4, 6) begin with 1/2 units then full units.



To finish off your short wall/sitting wall add the top Cap. Use concrete adhesive then lay your wall unit long ways (opposite direction of the rows/courses). This will give you a larger area to sit on and make you wall look great.



NOW ENJOY YOUR SITTING WALL FOR A LIFETIME!





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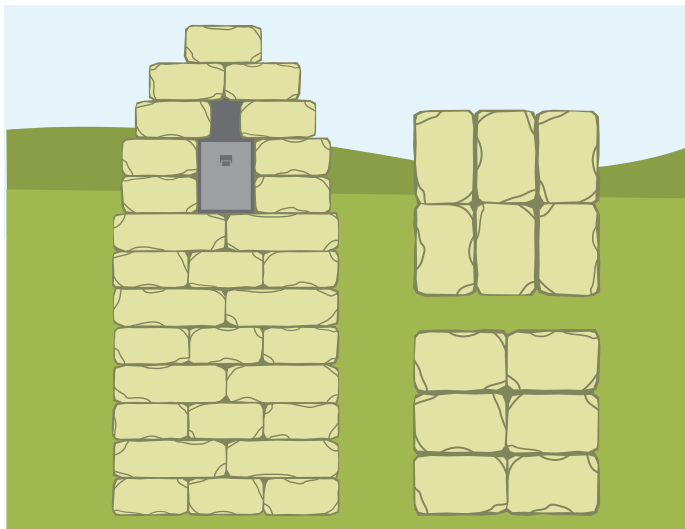
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STACKABLE RETAINING WALL PROJECTS

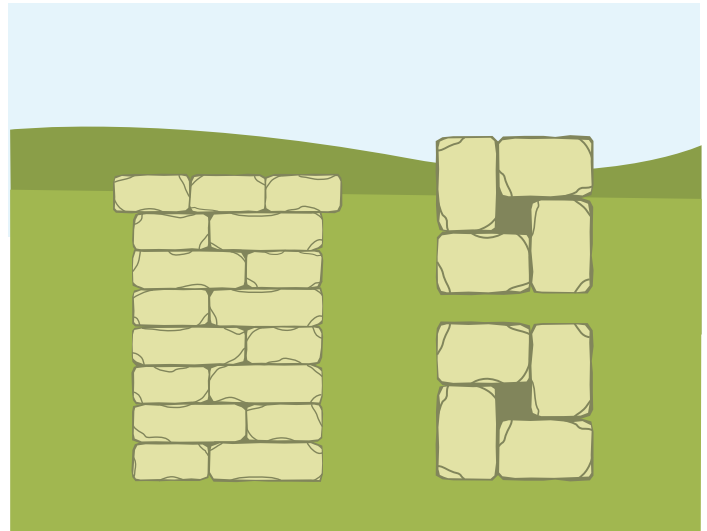
- Stand Alone - Bury the first course, (steps 1-10)
- Build on top of Patios and Walkways* (*paving stones that can handle the weight, (steps 7-10))

WALL PROJECTS:

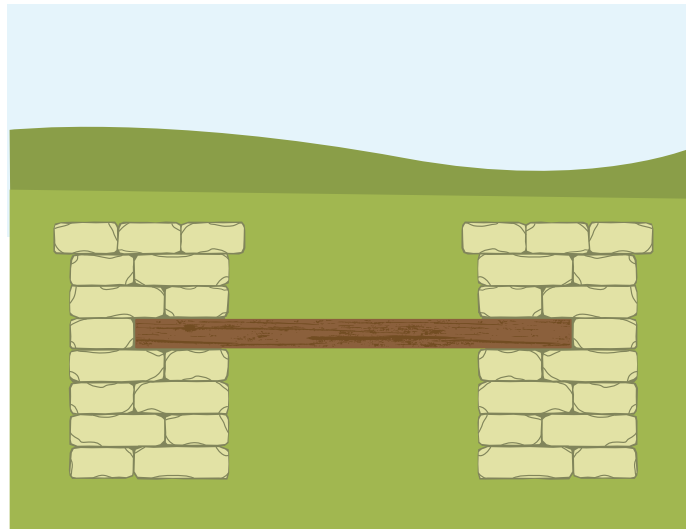
Pillars (Single) / Sitting Walls / Bench Walls (2 Pillars) / MailBoxes / Grill Bases



Mailbox: 67 Wall Units (4in. X 8in. X 12in.)
NOTE: Rotate Pattern 90° - each layer/course



Pillars/Columns
NOTE: Rotate Pattern 90° - each layer/course



Bench Wall





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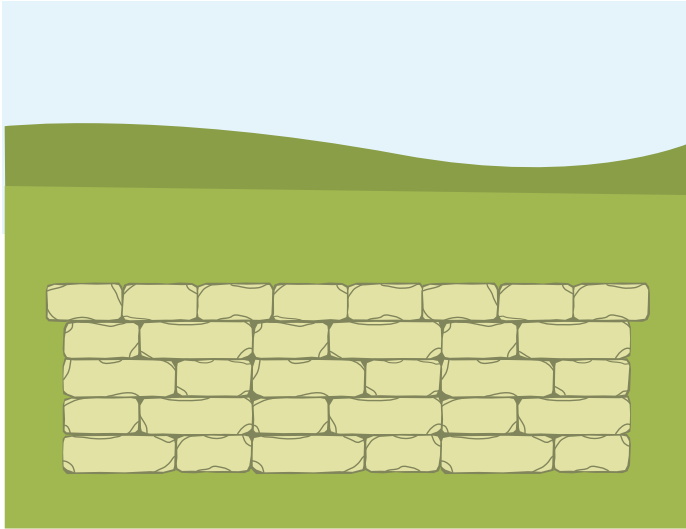
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Pillars, Sitting Walls, Benches, Grills, Mailbox

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WALL PROJECTS:

Pillars (Single) / Sitting Walls / Bench Walls (2 Pillars) / MailBoxes / Grill Bases



Sitting Wall- Running Bond



8" Sitting Wall - Running Bond



8" Sitting Wall - Random



12" Sitting Wall - Random



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Planter



Stackable Walls, Pillars, Edgers



Tall Edging

