## *The simple advantages of a Rockwood Retaining Wall*

### *Fast...*

Cottage Stone™ is a mortarless and pinless wall system. A rear lip located on the under side of each Cottage Stone block ensures precise alignment and setback, eliminating guesswork and making installation easy.

### *Simple...*

Weighing only 26-1/2 pounds, Cottage Stone is as easy to handle, as it is to install. Its size makes it perfect for any weekend project including but not limited to terraced gardens, tree rings and low retaining walls.

### *Strong...*

Consisting of high quality concrete, Cottage Stone stands up to the elements. Plus, the integrated rear lip resists soil pressure, creating a maintenance free wall for years to come.

### *Versatile...*

Cottage Stone's unique patented design makes it easy to create curves and shapes. Plus, the radius bottom eliminates the need for cleaning courses, saving time and hassle.

## *Experience & History*

Rockwood is a third generation family business, with a foundation in mortarless concrete manufacturing and construction experience dating back to 1914. From farm silos to retaining walls to concrete siding, Rockwood is an industry expert in mortarless construction.

ROCKWOOD®
RETAINING WALLS
*A better way.™*



# *Cottage Stone™*

Planning, Installation and Reference Guide

*Appearance*

*Dependability*

*Efficiency*

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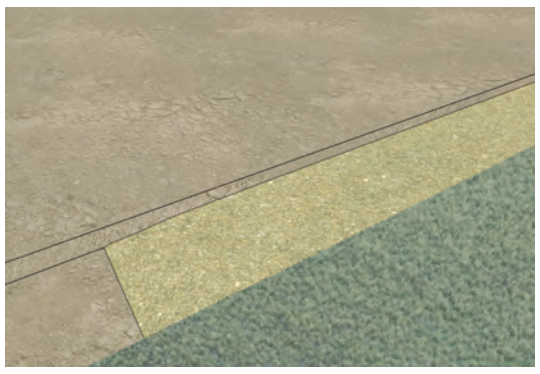
# Building a Cottage Stone™ Wall

## Tools and Materials You Will Need

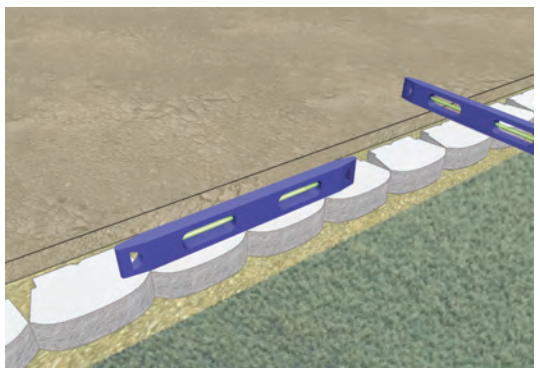
**Base Material** ..... 3/4" aggregate with fine
**Drainage Rock** ..... 3/4" to 1" clean aggregate
**Hammer and Chisel** ..... For splitting units
**Masonry Saw** ..... For cutting units
**String Line** ..... Use to align units
**Level** ..... To insure first course is level, front-to-back and side-to-side
**Shovel** ..... Excavation
**Tamper** ..... Compaction
**Super-Stik™ Adhesive** ... To secure split and cut units
**Rubber Mallet** ..... For leveling block
**Gloves** ..... Protective hand-wear for positioning block
**Safety Glasses** ..... Protective eye-wear when splitting block

*Rockwood Tip: Fines are the smaller sand-like particles of aggregate that make compaction possible.*

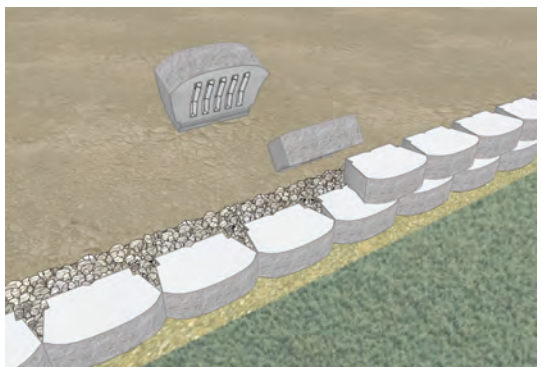
## Getting Started



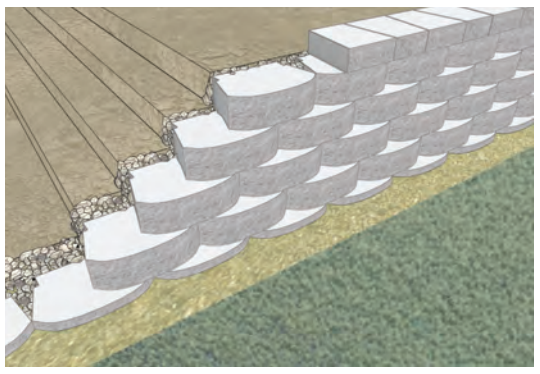
**Step 1 - Dig the Foundation**
Excavate a trench that is 10" deep and 16" wide to accommodate a 6" depth of base material and the base course. Compact the base material and level with a tamper.



**Step 2 - Install the First Course**
Set and level each unit of the base course front-to-back, side-to-side across three-blocks. Align the base course units with a string line behind the tail of the blocks.

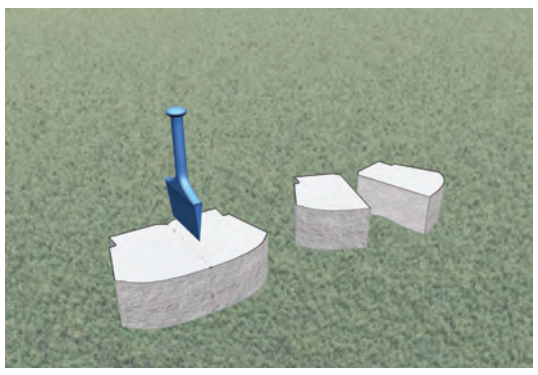


**Step 3 - Add More Courses**
When building successive courses, center the first block on the two blocks directly below it. Using crushed drainage rock, backfill 12" behind each course and between the blocks. Compact the backfill as each course is installed.



**Step 4 - Finish the Installation**
Position the Mini Caps and adhere in place with Super-Stik™.

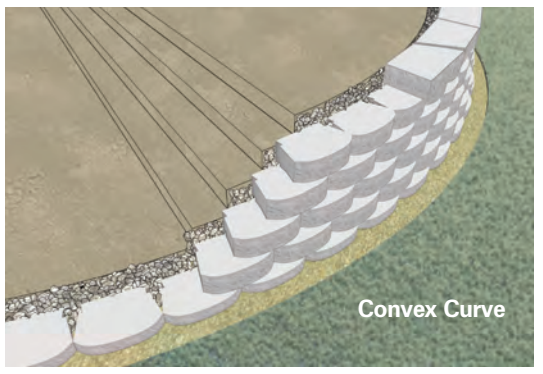
## Creating a Half Unit

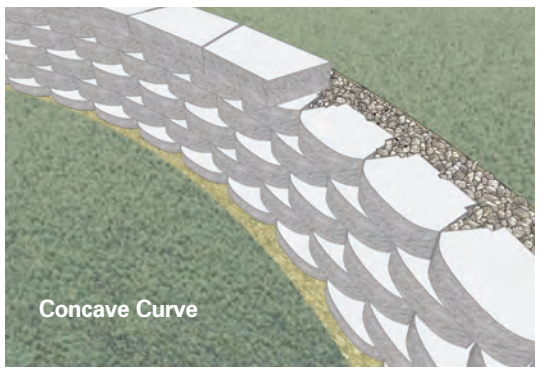


**Half-Unit**
Mark a score line on the middle of the block and split the unit on both top and bottom sides, as shown.

*Rockwood Tip: A rubber mallet may be used to level and align the blocks.*

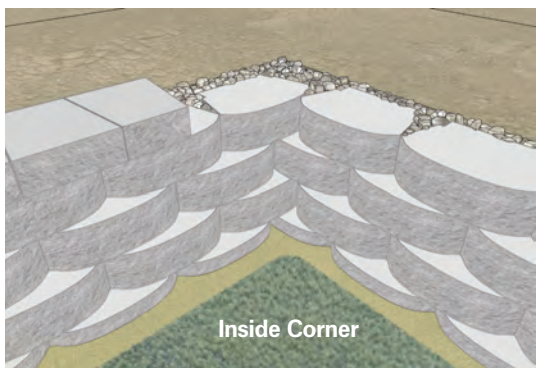
## Radius Curves

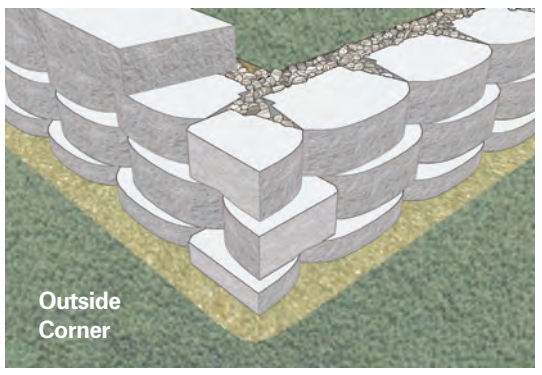



**Maintain a Running Bond on a Convex or Concave Radius Curve**
When building multiple courses on a radius curve, begin installation with a block in the middle of the curve, that is centered on two blocks directly below it. Build the wall from the center block out, in both directions. Cut and adhere Mini Caps to follow the contour of the wall.

## 90º Corners

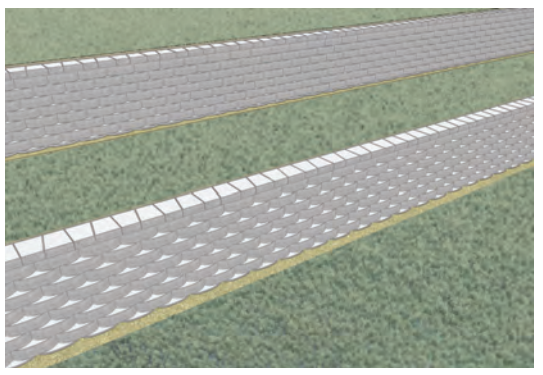



**Add More Courses**
For an outside corner, begin the installation from the corner out. Alternate the direction of the Half Units for each succeeding course. For an inside corner, position a block so part of it is exposed and the other part recedes in the wall. Alternate the direction of the block for each succeeding course. Cut Mini Caps at the corner and adhere in place with Super-Stik.

*Rockwood Tip: Inside corners with multiple courses have an accumulated setback that will require "wedge" block to fill the gaps.*

## Tiered Walls



**Independent Wall Spacing: The 2:1 Ratio**
As a rule of thumb, maintain a 2:1 ratio when building a tiered wall. If the height of the first wall is 2', the distance back to the second wall needs to be equal to or greater than 4'. If surcharge loading, global stability and/or poor soil conditions are present, consult an engineer in regard to the wall design.

*Rockwood Tip: If a mechanical plate compactor is being used, excavate a trench that is 24" in width so the compactor fits.*

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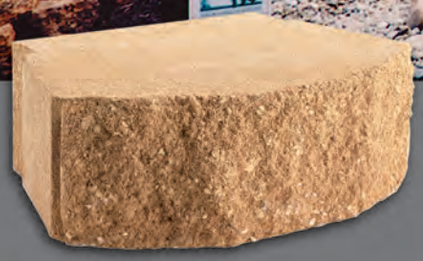
# The Cottage Stone™ Advantages

### *Cottage Stone Specifications*

**Size:** 4" H x 12" W x 8.5" D
100mm x 300mm x 216mm
**Weight:** 26.5 lbs, 12 kg.

### *Cottage Stone Components*

**Mini Cap**
**Size:** 3" H x 8" W x 9" D
75mm x 200mm x 225mm
**Weight:** 15 lbs, 7 kg.

Combing functionality, performance and appeal, Cottage Stone™, is perfect for terraced gardens, tree rings or low retaining walls. The unique patented design makes it easy to create curves and shapes and also saves time by eliminating the need for cleaning courses. Once the first course has been properly installed, there is no need to worry about block position, as a rear lip on the bottom of each Cottage Stone unit ensures exact alignment. This makes Cottage Stone one of the most simple and effective solutions for enhancing any outdoor living space.

**Easily calculate the material requirements knowing the height and length of your future Cottage Stone wall.**

| Wall Height | 10' | | 20' | | 30' | | 40' | |
|---|---|---|---|---|---|---|---|---|
| 8" (2 Courses) | 24 | 0.5 | 48 | 1 | 72 | 1.4 | 96 | 1.8 |
| | 0.4 | 18 | 0.8 | 35 | 1.2 | 52 | 1.6 | 69 |
| 16" (4 Courses) | 42 | 0.5 | 84 | 1 | 126 | 1.4 | 168 | 1.8 |
| | 0.7 | 18 | 1.4 | 35 | 2.1 | 52 | 2.8 | 69 |
| 24" (6 Courses) | 60 | 0.5 | 120 | 1 | 180 | 1.4 | 240 | 1.8 |
| | 1 | 18 | 2 | 35 | 3 | 52 | 4 | 69 |
| 32" (8 Courses) | 84 | 0.5 | 168 | 1 | 252 | 1.4 | 336 | 1.8 |
| | 1.4 | 18 | 2.8 | 35 | 4.2 | 52 | 5.6 | 69 |

Wall Length

| | | |
|---|---|---|
| Cottage Stone units → | 14 | 0.5 ← Base mtrl. ($yd^3$) |
| Drainage Rock ($yd^3$) → | 0.5 | 8 ← Caps |

ASP Enterprises | Bowman Construction Supply Inc. | Quick Supply Co. | Cascade GEOSYNTHETICS

# LOCATIONS & CONTACT INFO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salesasp@aspent.com

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316.393.1554

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**Colorado Springs, CO**
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**Loveland, CO**
970.535.0863

**QUICK SUPPLY CO.**
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515.289.1271

**CASCADE GEOSYNTHETICS**
cascadegeos.com
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**Portland, OR**
971.339.1020


# SOLUTIONS WE SUPPLY

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**Filter Fabrics**
**Stabilization Fabrics**
**Geogrids**
- Road Grids
- Wall Grids
- Slope Stabilization

**Specialty Fabrics**
**Composite Geomembranes**
- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

## SEDIMENT CONTROL

**Inlet Protection**
- Grated Inlet, Curb Inlet, Area Inlet Protection

**Ditch Checks**
- Triangle Silt Dike
- GeoRidge

**Perimeter Protection**
- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

**Flocculants & Water Treatment**
- Polymer-Based & Natural Flocculants

**Sediment Basin Skimmers**
**Dewatering Bags**
**Trackout Control**
- FODS
- Rumble Grates

**Turbidity Curtains**

## EROSION CONTROL

**Basic Hydraulically Applied Mulches**
- Wood
- Paper
- Blends
- Straw

**High-Performance Hydraulically Applied Products**
- BFM
- FGM
- Additives & Tackifiers

**Temporary Erosion Control Blankets**
- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

**Permanent Erosion Control Blankets**
- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

**Structural BMPs**
- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

**Vegetation Establishment**
- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

## STORMWATER MANAGEMENT

**Water Quality**
- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

**Water Quantity**
- Modular Underground Storage Systems
- Chamber Detention Systems

**Drainage**
- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

**Inlet Structures**
- PVC
- Drain Basins, In-Line Drains
- Landscape

**Permeable Pavers**
- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

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**Natural & Synthetic Coir Fiber Logs**
**Vegetated Reinforced Soil Slopes**
**Soil Anchors**
**Root Barrier System**
**AquaBlok**
**Muscle Wall**

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