GreenbergFarrow
COA#:
5500 Democracy Dr. Suite 125
Plano, TX 75024
t: 972 514 7641

PROJECT TEAM

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
04-11-14	INITIAL BIDSET
08-12-14	DEVELOPMENT PLAN
12-17-14	DP RESUBMITTAL #1
02-20-15	DP RESUBMITTAL #2

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE
FARMAN SHIR, PE
PROFESSIONAL ENGINEER
LICENSE NO. 41391

PROJECT MANAGER
MARLEY PHILLIPS

QUALITY CONTROL
KIEW KAM, PE

DRAWN BY
NICOLE NOVACK

PROJECT NAME

CIRCLE K

COLORADO SPRINGS COLORADO

E. FOUNTAIN BLVD. & ACADEMY PARK LOOP

PROJECT NUMBER
20130780

SHEET TITLE

DETAILS

SHEET NUMBER

FOR BID ONLY

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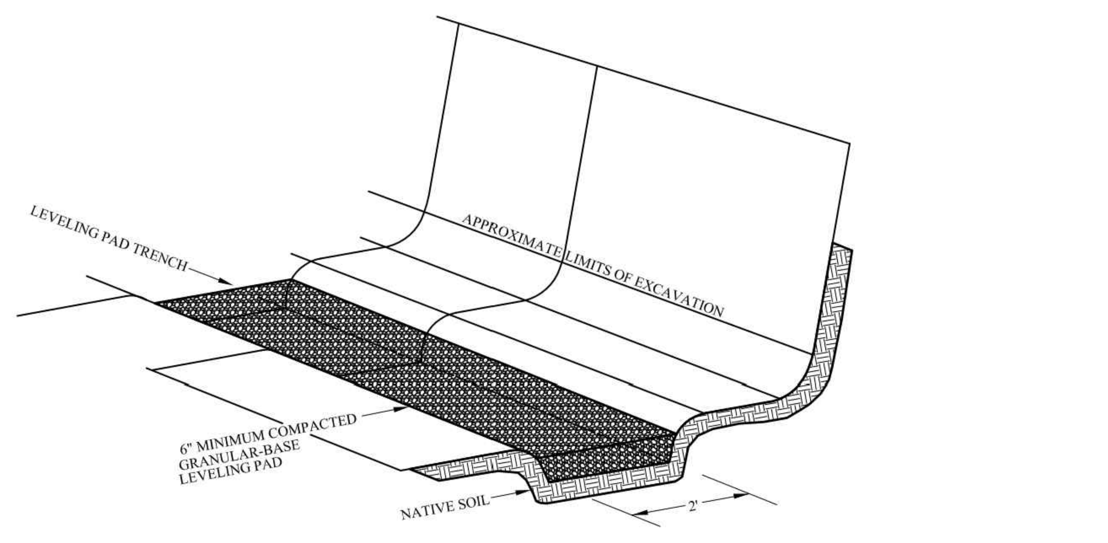

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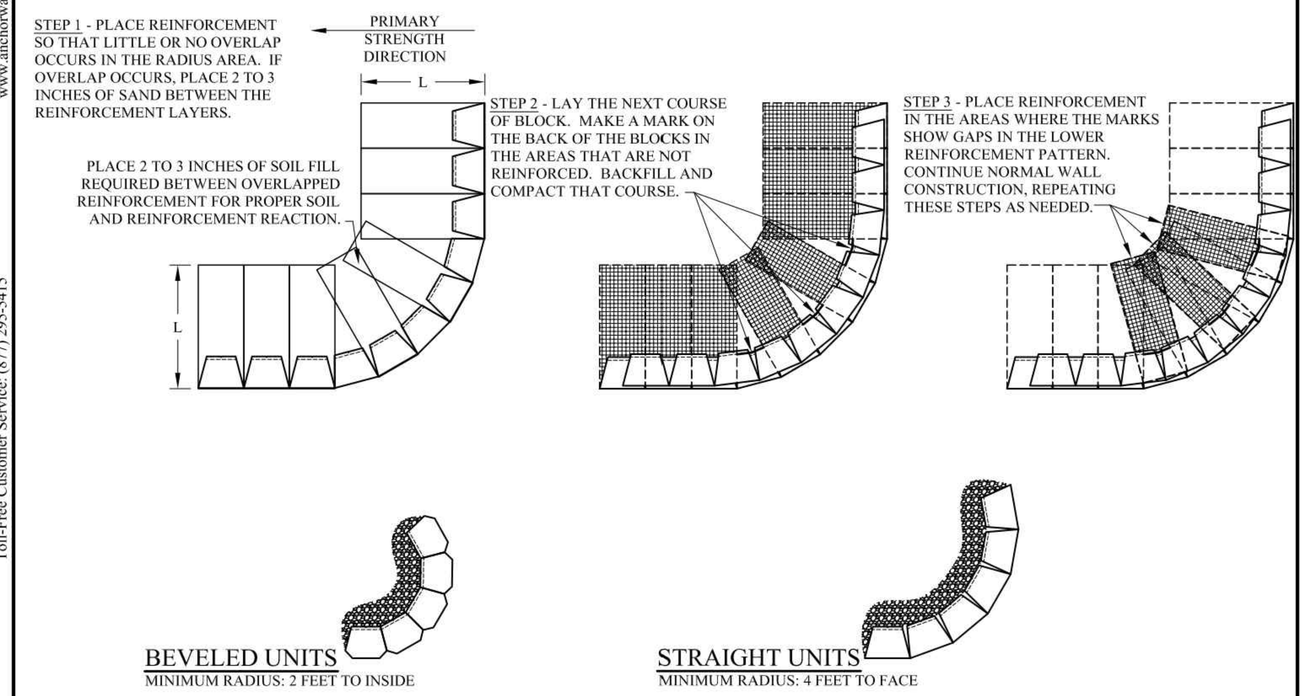

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Drawing Title: Diamond® Retaining Walls Outside Curve Details
Project Information: Typical Retaining Wall Details www.anchorwall.com

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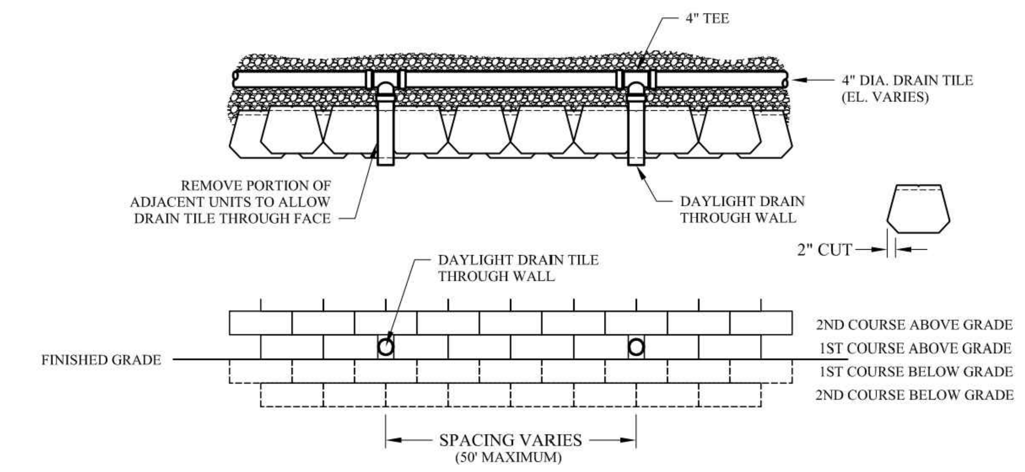

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Project Information: Typical Retaining Wall Details www.anchorwall.com

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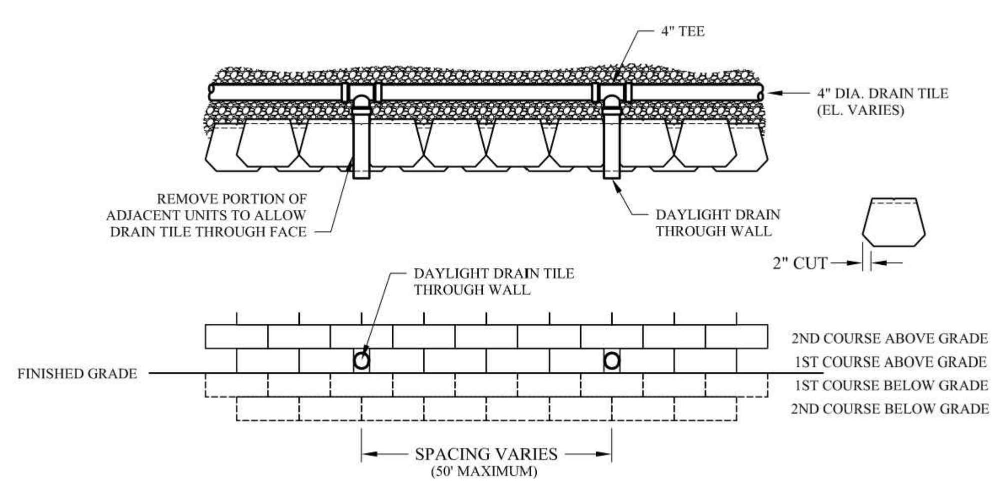

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Project Information: Typical Retaining Wall Details www.anchorwall.com

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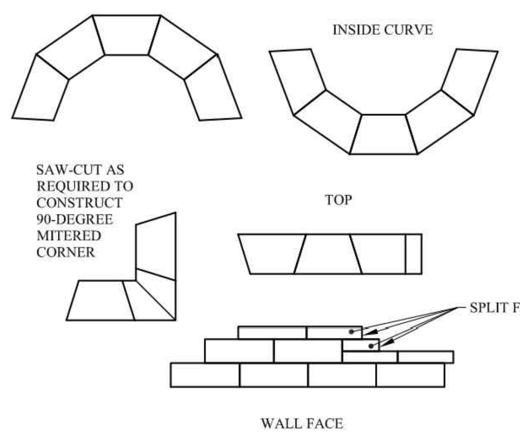

1. Always start capping wall from the lowest elevation
2. Lay out caps prior to using adhesive
3. Cut caps to fit. Various combinations of long and short cap faces will be necessary for radii greater than the minimum.
4. Alternate short and long faces every other cap to achieve a straight row of caps.
5. Use exterior-grade construction adhesive to secure caps.

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Project Information: Typical Retaining Wall Details www.anchorwall.com

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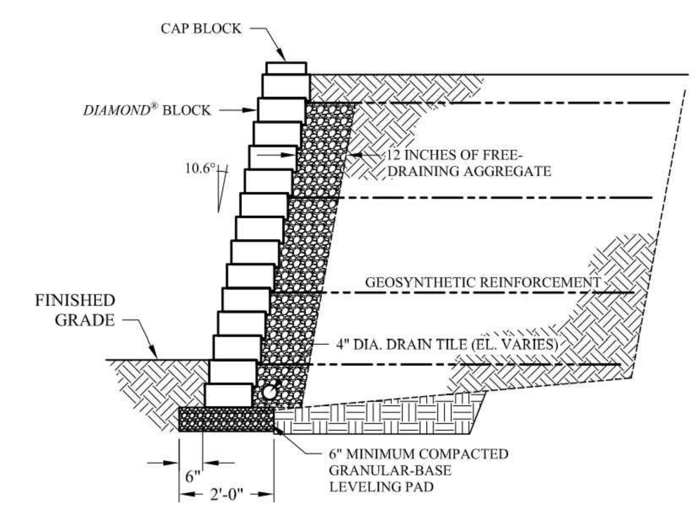

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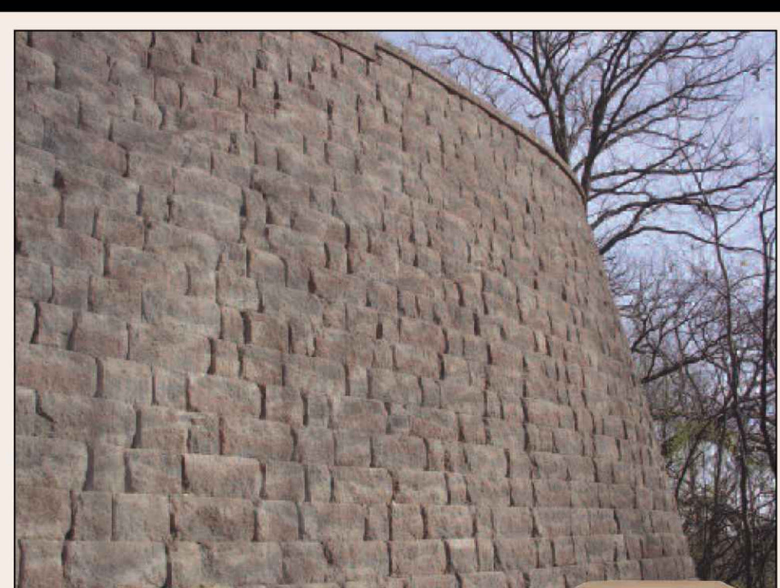
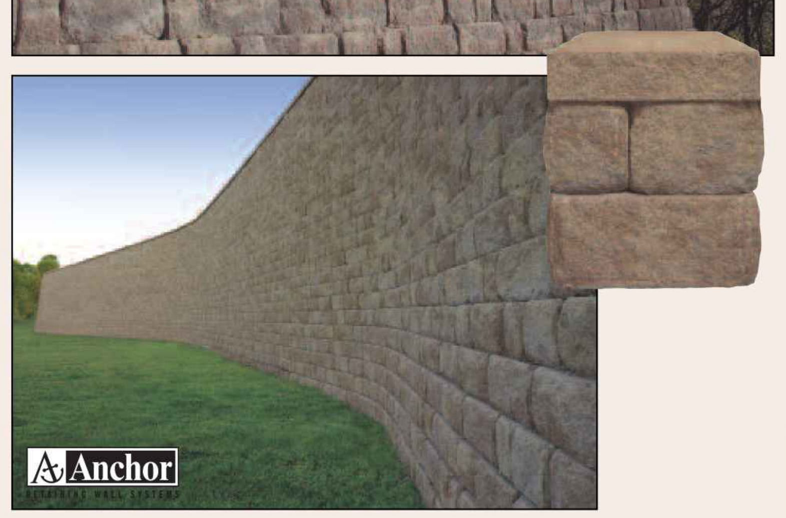
Segmental Retaining Walls

Anchor Diamond Pro® Stone Cut™ Series

PAVESTONE®





IMPROVING YOUR LANDSCAPE™

Anchor Diamond Pro® Stone Cut™ Series

The Anchor Diamond Pro® Stone Cut™ Series has brought the latest look and appeal in architectural design with its addition of the two smaller modular components. The new three piece system separates itself by creating alternating scale and dimensions. While the system still meets the rigorous demands for both engineering and structural components, its multiple shape patterning creates new and innovative applications for site work design.

COMPOSITION AND MANUFACTURE

Anchor Diamond Pro® Stone Cut™ Series is made from a "no slump" concrete mix. Made under extreme pressure and high frequency vibrations.

INSTALLATION FOR REINFORCED WALLS

1. Layout
Stake out the wall's placement according to lines and grades on approved plans. Excavate for the leveling pad to the lines and grades shown. Excavate soil to a dimension behind the wall for placement of grid and reinforced soils. The trench for the leveling pad should be a minimum six (6) inches in front and back of the placed wall stone.

2. Leveling Pad
The leveling pad consists of a crushed aggregate compactible base material. The pad must extend a minimum six (6) inches in front and behind the first course of stone, and be a minimum six (6) inches in depth. Compact the aggregate in maximum eight (8) inch lifts and check top elevation for level.

3. Base Course
Place a string line along the back of the stone to align the wall units. Begin laying stone at the lowest elevation of the wall. Place wall stones flat on the leveling pad with facings aligned according to plans. If necessary, remove rear lip of the stone so that it will lie flat on the leveling pad. Place the stones side-by-side, flush against each other, and in full contact with the leveling pad. Level the stone front-to-back and side-to-side. Check the stones for proper horizontal alignment.

4. Wall Construction
Clean any debris off the top of the stones. Place the second course of stones on the base course maintaining running bond pattern (do not align vertical joints). Push or pull each stone forward as far as possible to ensure stone-to-stone engagement and the correct setback. Fill all voids between and within concrete wall stones with drainage aggregate. Backfill with drainage aggregate directly behind the stone. Fill behind the aggregate with soil meeting design parameters. Place and compact the backfill material before the next course is laid. Hand-operated equipment should be used within four (4) feet of the wall. Avoid driving heavy equipment within the same area.

5. Drainage
Fill in the area behind the stones with drainage aggregate to a minimum horizontal dimension of 12 inches. Place a perforated drain pipe at the base of the drainage aggregate and above the wall's front finished grade at the toe. Daylight or direct the drain to an area lower than the lowest drain elevation in the wall. Additional drainage design may be required.

6. Compaction
Place the backfill soil behind the drainage aggregate and compact the backfill within four (4) feet of the wall with a hand-operated compactor. Aggregate is to be level with or slightly below the top of each course. Repeat at the front of the wall. Add soil and compact backfill soil as necessary. Testing for proper compaction may be required.

7. Geo-Grid Reinforcement Placement
Check approved wall construction plan for grid placement. Determine which courses will have reinforcement grid placed into the backfill. Measure and cut the reinforcement grid to the design length in the plans. The reinforcement grid has a design strength direction to be laid perpendicular to the wall. Place the front edge of the material on the designated top course a maximum of one and half (1½) inches from the face of the stone. Apply the next course of stones to secure it in place. At the back of the wall, pull the reinforcement taut. Add drainage aggregate behind the stones, then add the backfill soil and compact. Testing for proper density and compaction may be necessary to meet project requirements. A minimum of six (6) inches of backfill over the grid is required prior to operating most vehicles on top of the reinforcement.

8. Finish Grade and Surface Drainage
Protect your wall from water damage and erosion with a finished grade to provide positive drainage away from the wall at the top and bottom of the wall structure. To minimize infiltration of water into the top of the backfill area of the wall, place a minimum six (6) inches of soil with low permeability (clay or similar materials).

APPLICATIONS
Terraced Gardens • Landscape Retaining Walls
Geosynthetic Reinforced Walls • Erosion Control

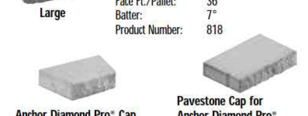
PRODUCT INFORMATION

Anchor Diamond Pro® Stone Cut® Series Small & Medium Bundled Together

Nominal Dimensions	SM 7" L x 12 W x 8" H; M 11" L x 12 W x 8" H
Wt./Stone	SM 34 lbs. M 45 lbs.
Stones/Pallet	SM 16 M 32
Approx. Wt./Pallet	1991 lbs.
Face ft./Pallet	26
Batter	7°
Product Number	833

Anchor Diamond Pro® Stone Cut™ Series

Nominal Dimensions	LG 18" L x 12 W x 8" H
Wt./Stone:	86 lbs.
Stones/Pallet:	36
Approx. Wt./Pallet:	3,096 lbs.
Face Ft./Pallet:	36
Batter:	7°
Product Number:	818



Anchor Diamond Pro® Cap
18 L x 11 ¼ W x 4" H

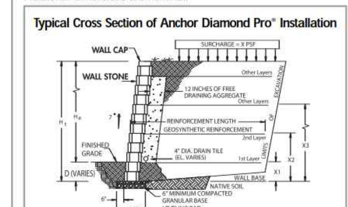
Wt./Stone	43 lbs.
Stones/Pallet	63
Approx.Wt./Pallet	2,709 lbs.
Linear Ft./Pallet	76.8
Product Number	830

Pavestone Cap for Anchor Diamond Pro®
18 L x 13 ½ W x 4" H

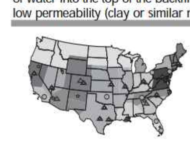
Wt./Stone	79 lbs.
Stones/Pallet	48
Approx. Wt./Pallet	3,792 lbs.
Linear ft./Pallet	63
Product Number	831

Caps not available in all markets.
Fractional dimensions are nominal.

Typical Cross Section of Anchor Diamond Pro® Installation



Complete installation & specification details are available by contacting your Pavestone Sales Representative.
Note: Colors are shown as accurately as possible in brochures & samples, but due to the nature of the product, regional color differences and variables in print reproduction, colors may not match exactly.



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SKU# CDC 157V2 12/06