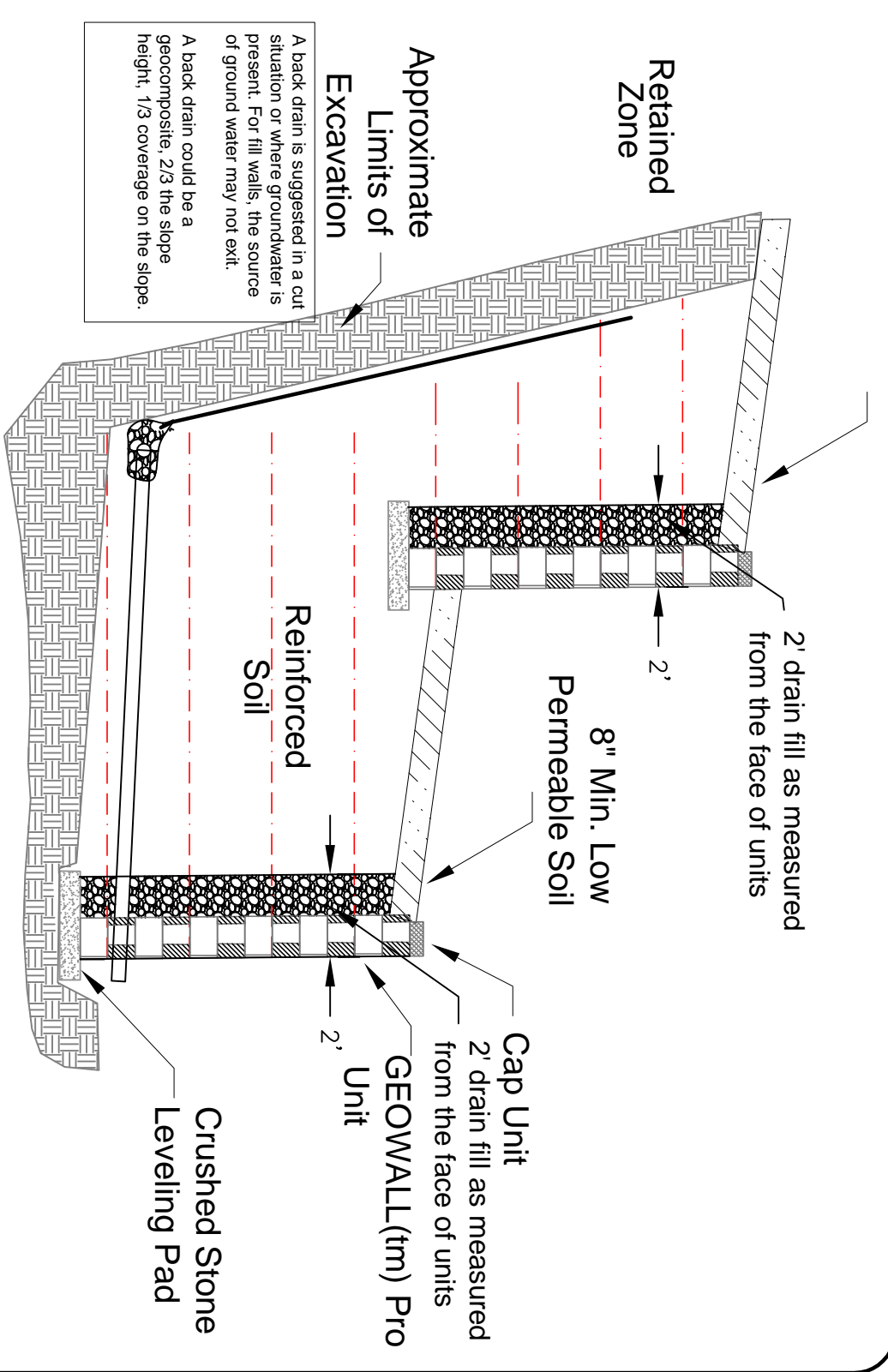


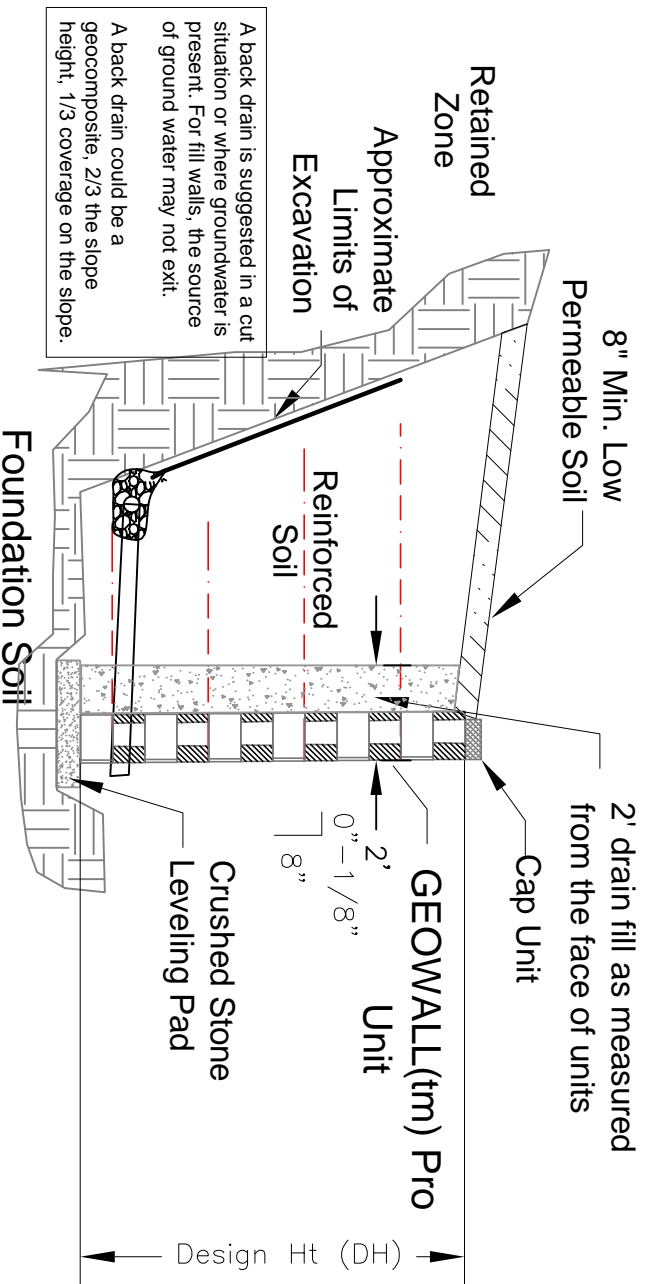
BACK SLOPE DRAIN DETAIL WITH COMPOSITE DRAIN



No.	Date	Revision	By

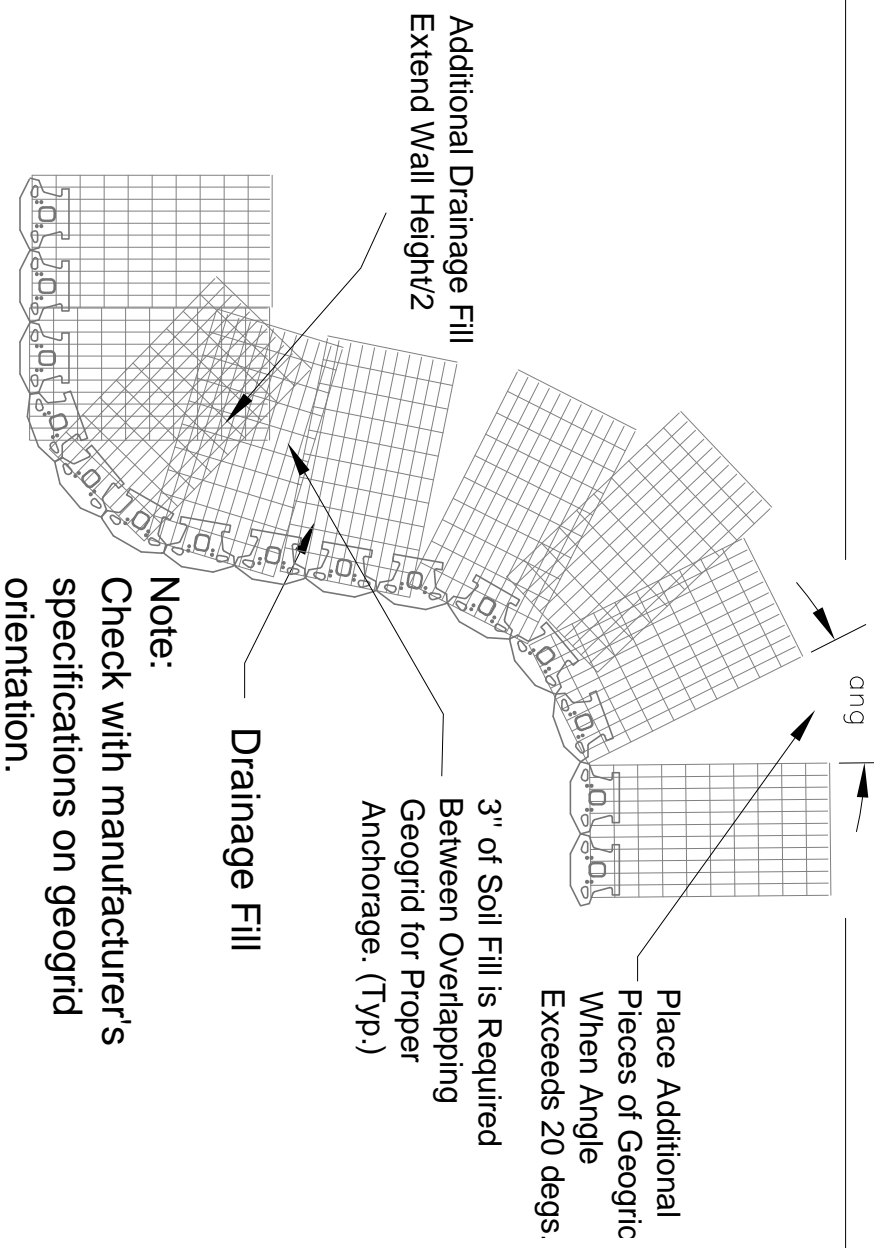
Designed By:	SMR	Project:	Basalite Standard Drawings
Scale:	As Noted	Title:	Conceptual Details
Date:	6/22/11	Project No.:	
		Sheet No.:	

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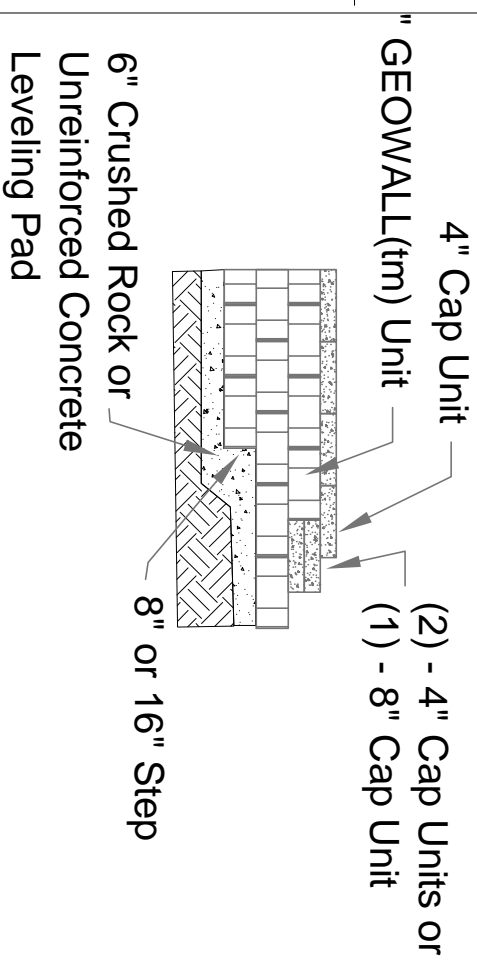


Typical Reinforced Wall Section

1/4" =

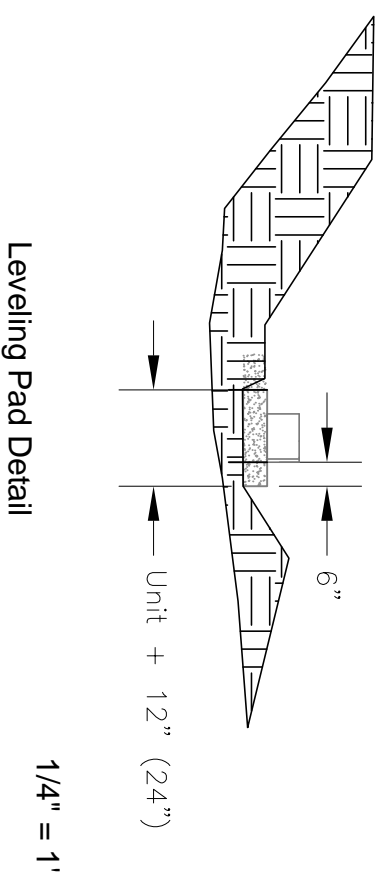


Geogrid Installation on Curves

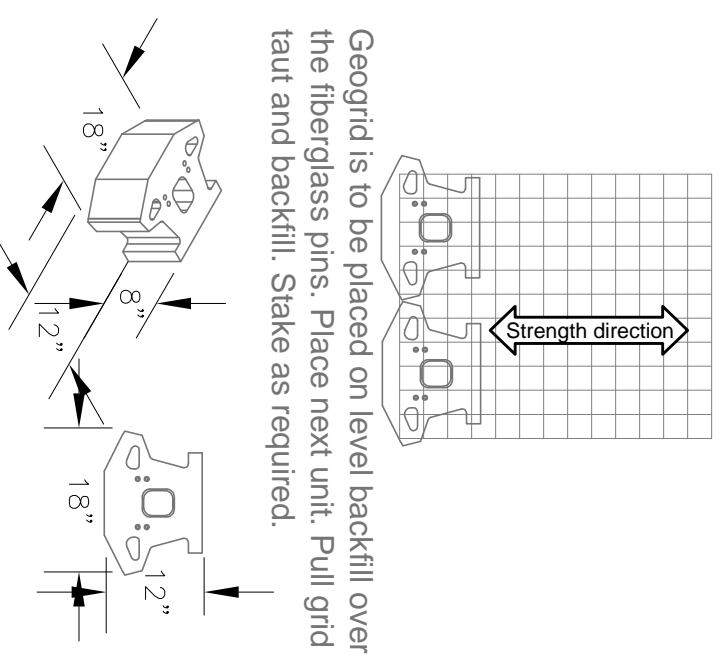


Isometric View

1/4" = 1'



Geogrid is to be placed on level backfill over the fiberglass pins. Place next unit. Pull grid taut and backfill. Stake as required.



Basalite Standard Drawings

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Designed By:
SMR

Project:

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As Noted

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Conceptual Details

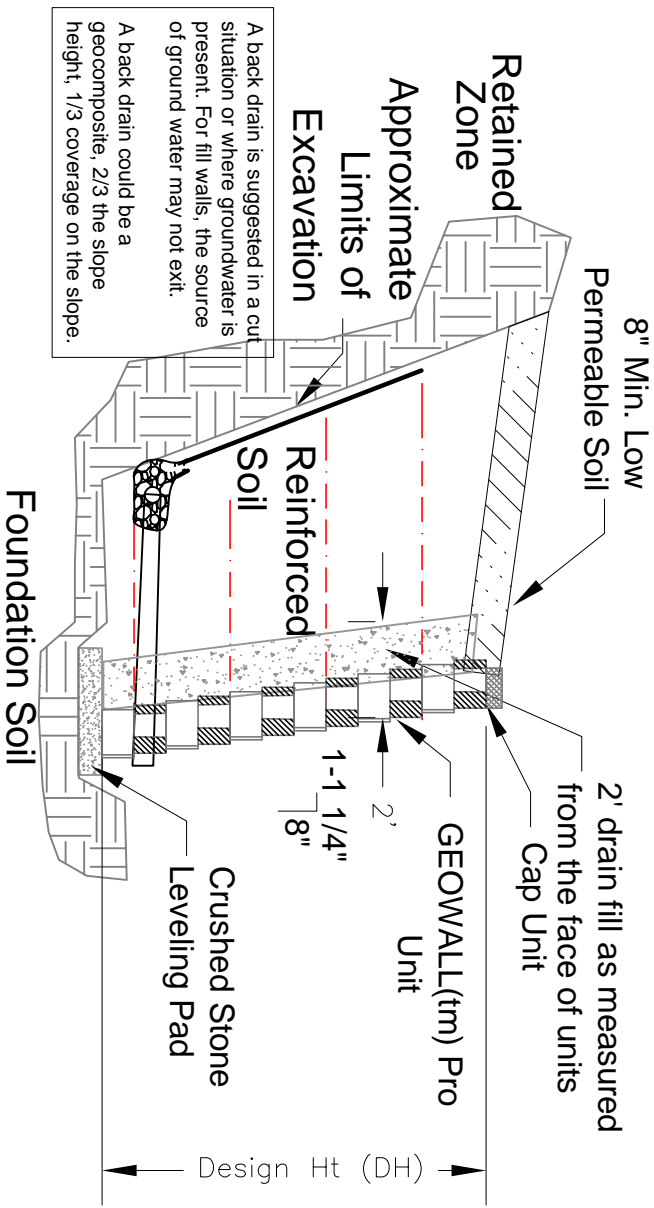
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Sheet No.

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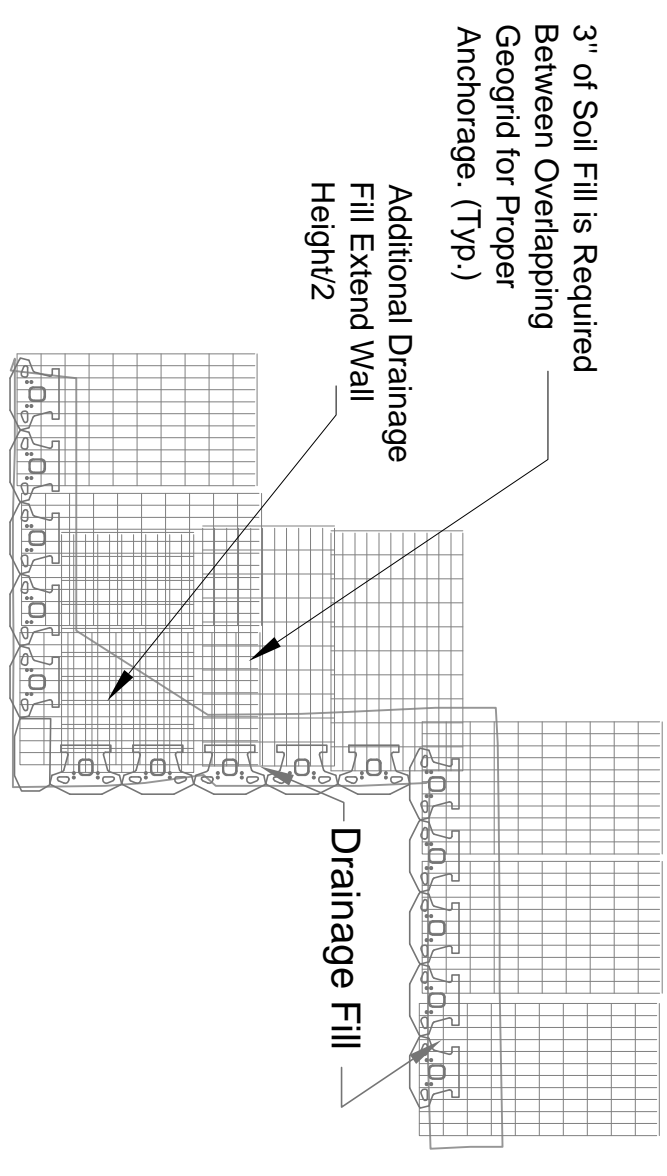


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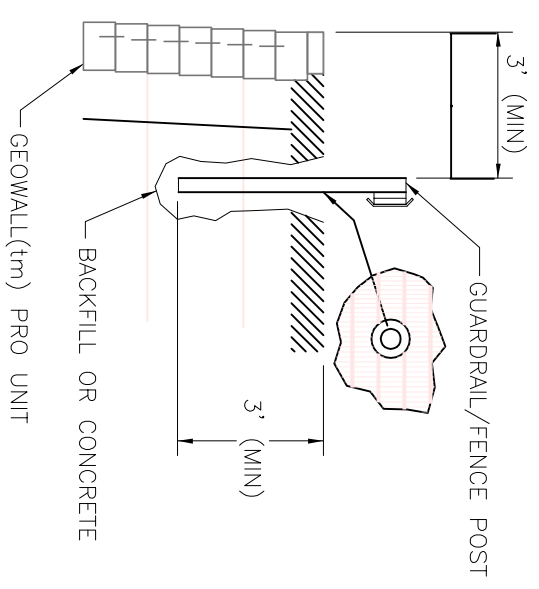


Typical Reinforced Wall Section



Geogrid Installation at Corners

- NOTES:**
1. AUGER THROUGH GEOGRID LAYERS.
 2. BACKFILL OR CONCRETE GUARDRAIL/FENCE POST IN PLACE.

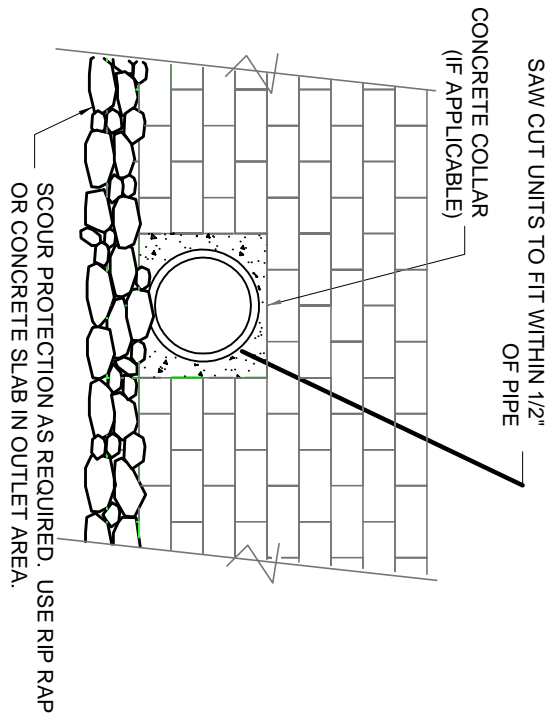


TYPICAL FENCE DETAIL

SCALE: N.T.S.

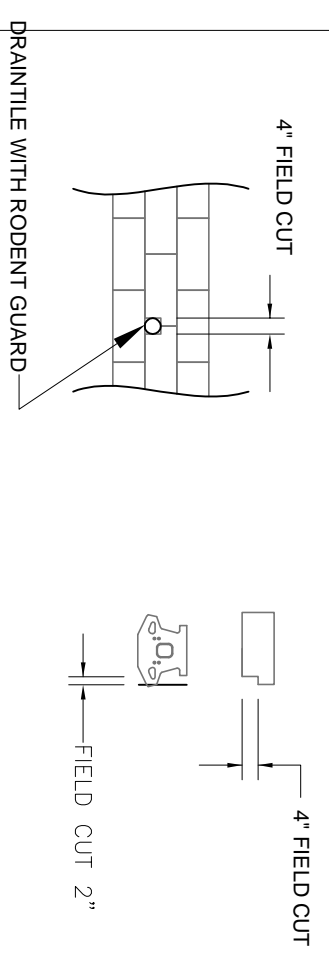
NOTE:

1. FOR PIPES LARGER THEN 24", A CONCRETE COLLAR MAY BE CAST AROUND PIPE FOR EASE OF CONSTRUCTION AND APPEARANCE.



TYPICAL PIPE OUTLET DETAIL

SCALE: N.T.S.



DRAIN DETAILS

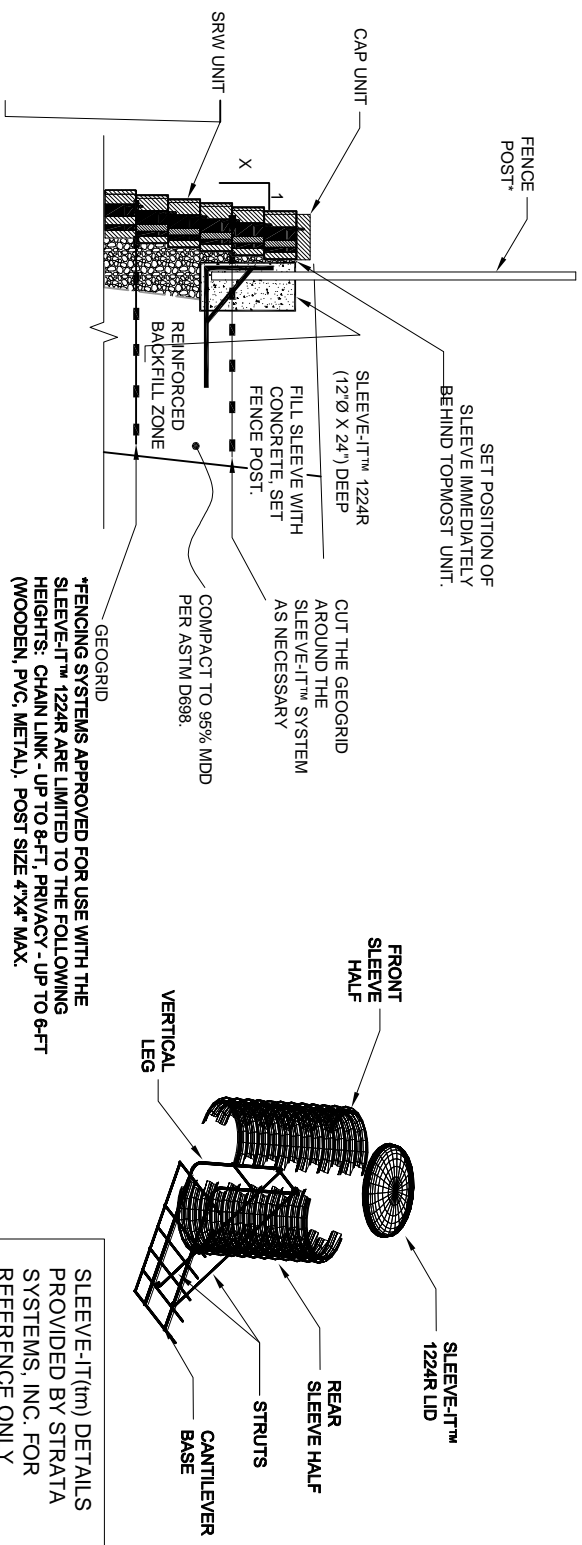
OUTLET THROUGH FACE OF WALL WITH RODENT GUARD OR CONNECT TO STORM SEWER SYSTEM.

No.	Date	Revision	By	Designed By:	Project:	Project No.:	Sheet No.
				SMR	Basalite Standard Drawings		
					Conceptual Details		



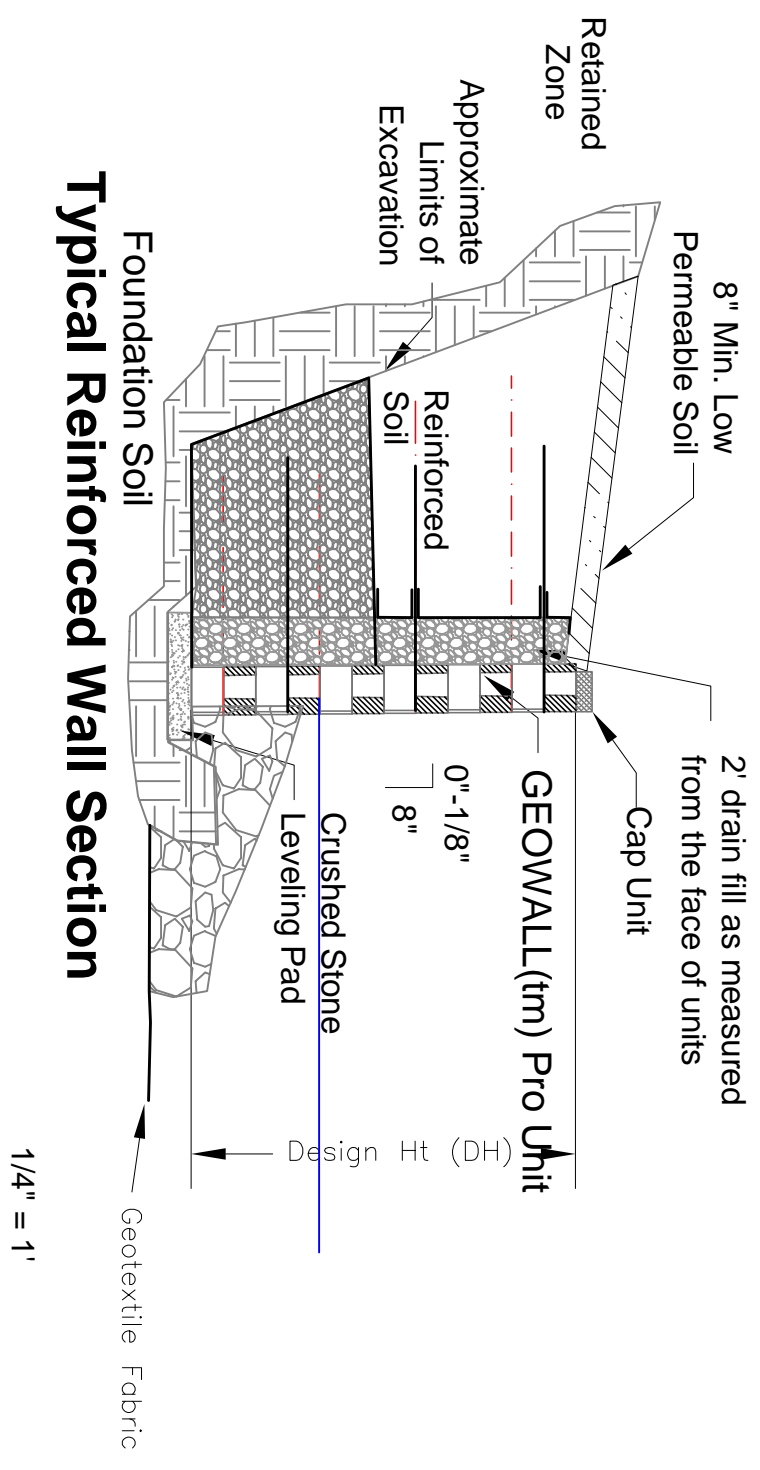
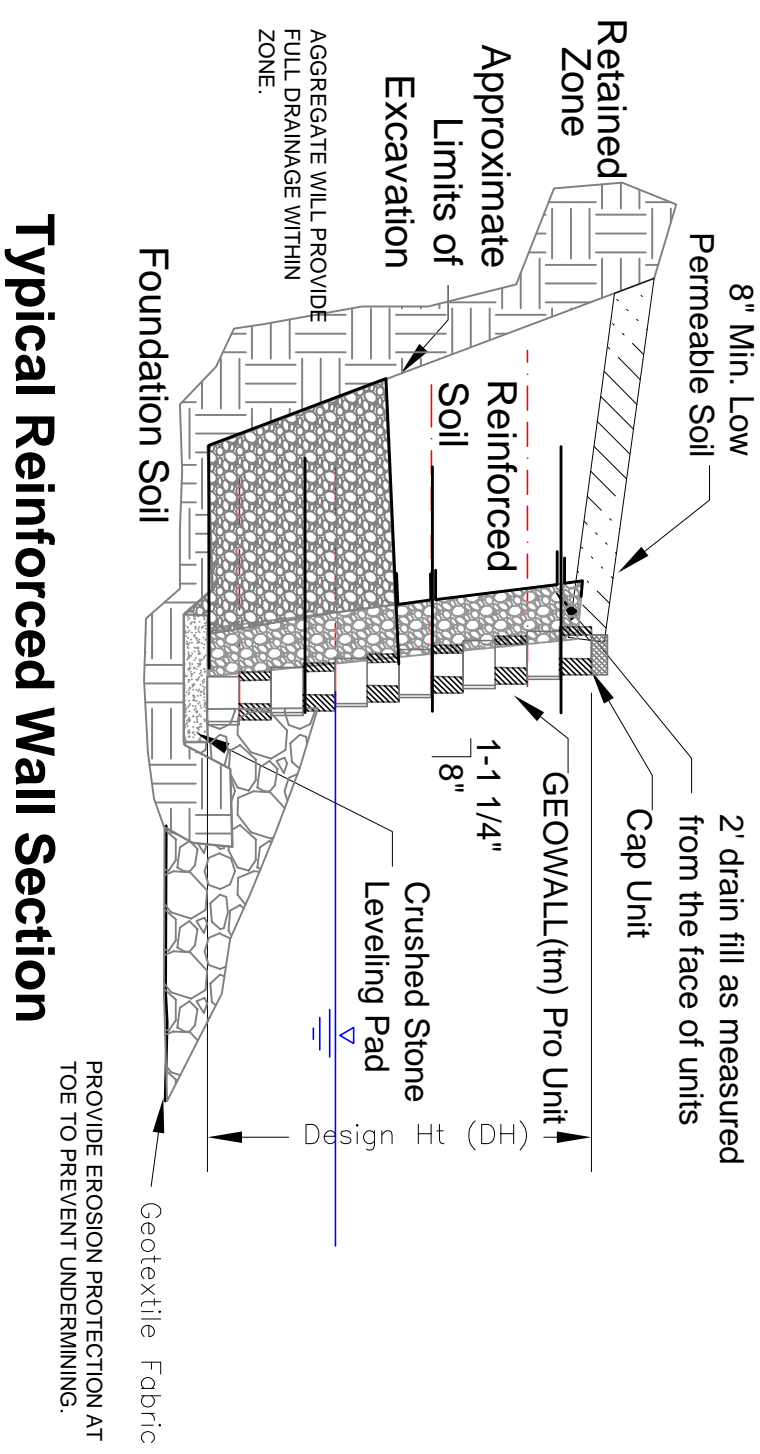
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*FENCING SYSTEMS APPROVED FOR USE WITH THE SLEEVE-IT™ 1224R ARE LIMITED TO THE FOLLOWING HEIGHTS: CHAIN LINK - UP TO 8-FT., PRIVACY - UP TO 6-FT. (WOODEN, PVC, METAL), POST SIZE 4\"/>

SLEEVE-IT™ DETAILS PROVIDED BY STRATA SYSTEMS, INC. FOR REFERENCE ONLY.



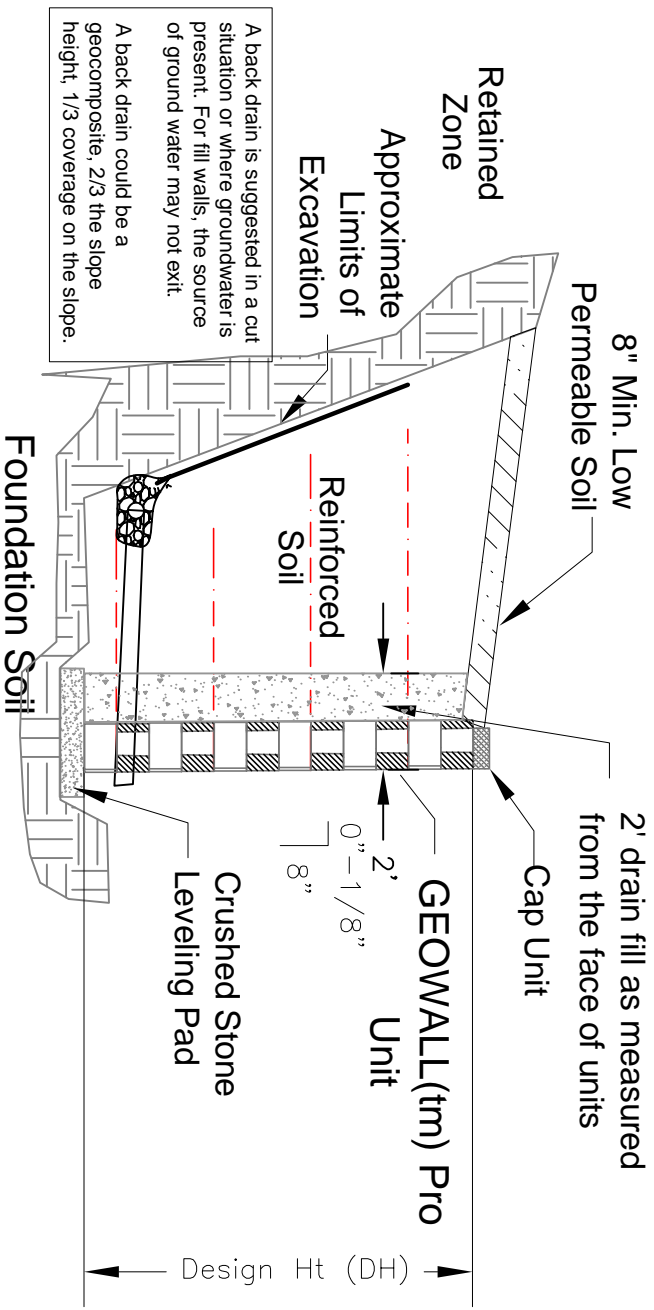
Typical Reinforced Wall Section

Typical Reinforced Wall Section

Near Vertical Setback

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			Scale:	Title:	Sheet No.
			As Noted	Conceptual Details	
			Date:		
			6/22/11		

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Typical Reinforced Wall Section

Near Vertical Setback

1/4" = 1'

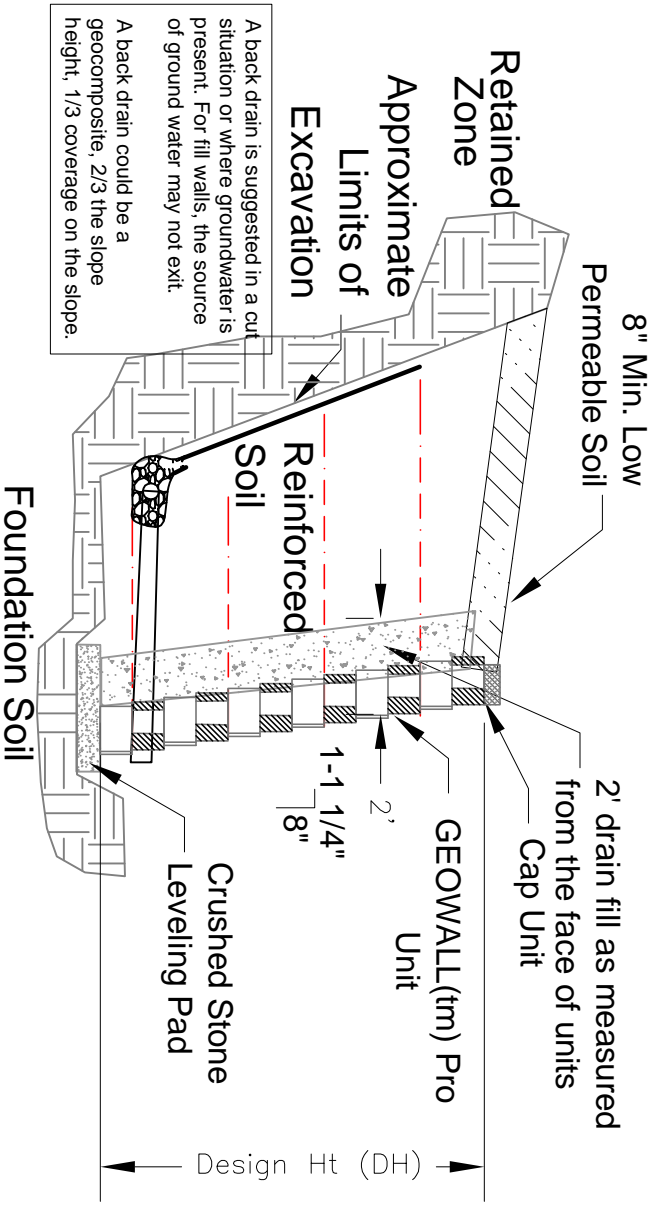
No.	Date	Revision	By

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A back drain is suggested in a cut situation or where groundwater is present. For fill walls, the source of ground water may not exit. A back drain could be a geocomposite, 2/3 the slope height, 1/3 coverage on the slope.

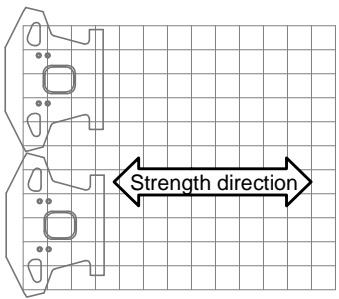
Typical Reinforced Wall Section

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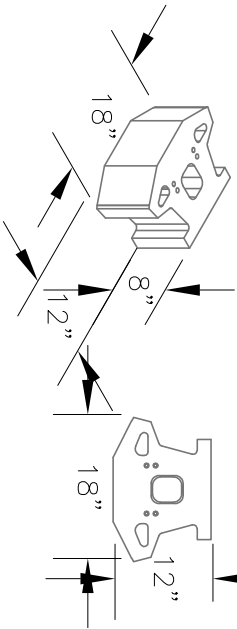

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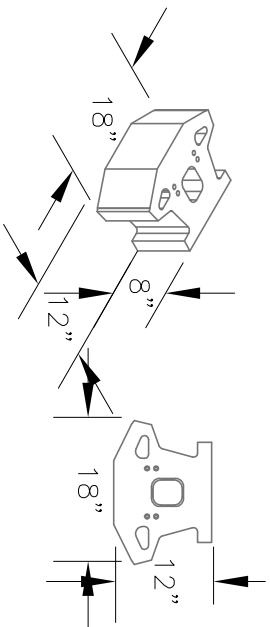


Geogrid is to be placed on level backfill over the fiberglass pins. Place next unit. Pull grid taut and backfill. Stake as required.



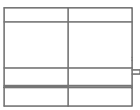
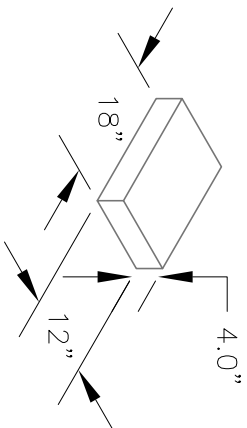
3 Plane GEOWALL(tm) Pro Unit

Grid and Pin Connection

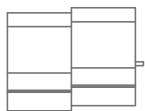


3 Plane GEOWALL(tm) Pro Unit

Grid and Pin Connection



0" - 1/8" 8"



1-1 1/4" 8"

Near Vertical

No.	Date	Revision	By

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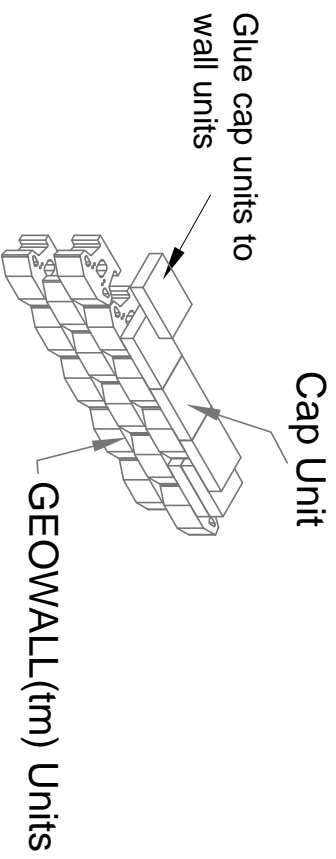
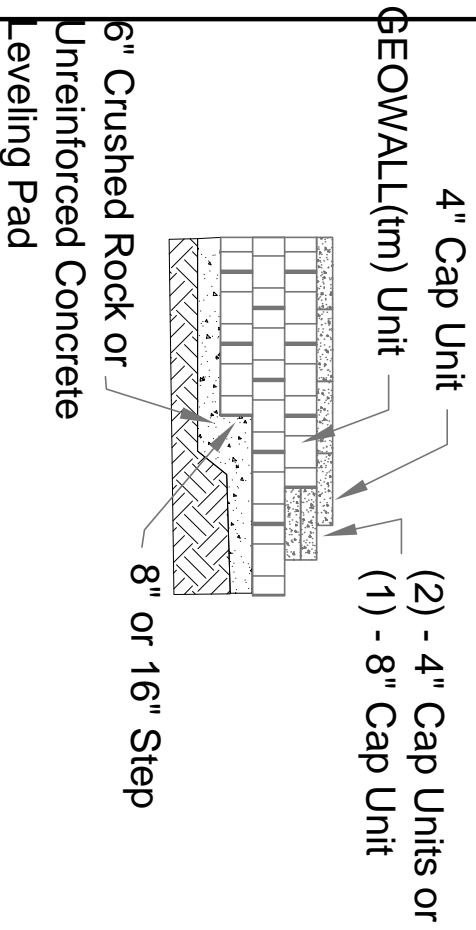
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GEOWALL Standard Drawings

Title
Conceptual Details

Date
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Drawn By:
SMR

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No.	Date	Revision	By

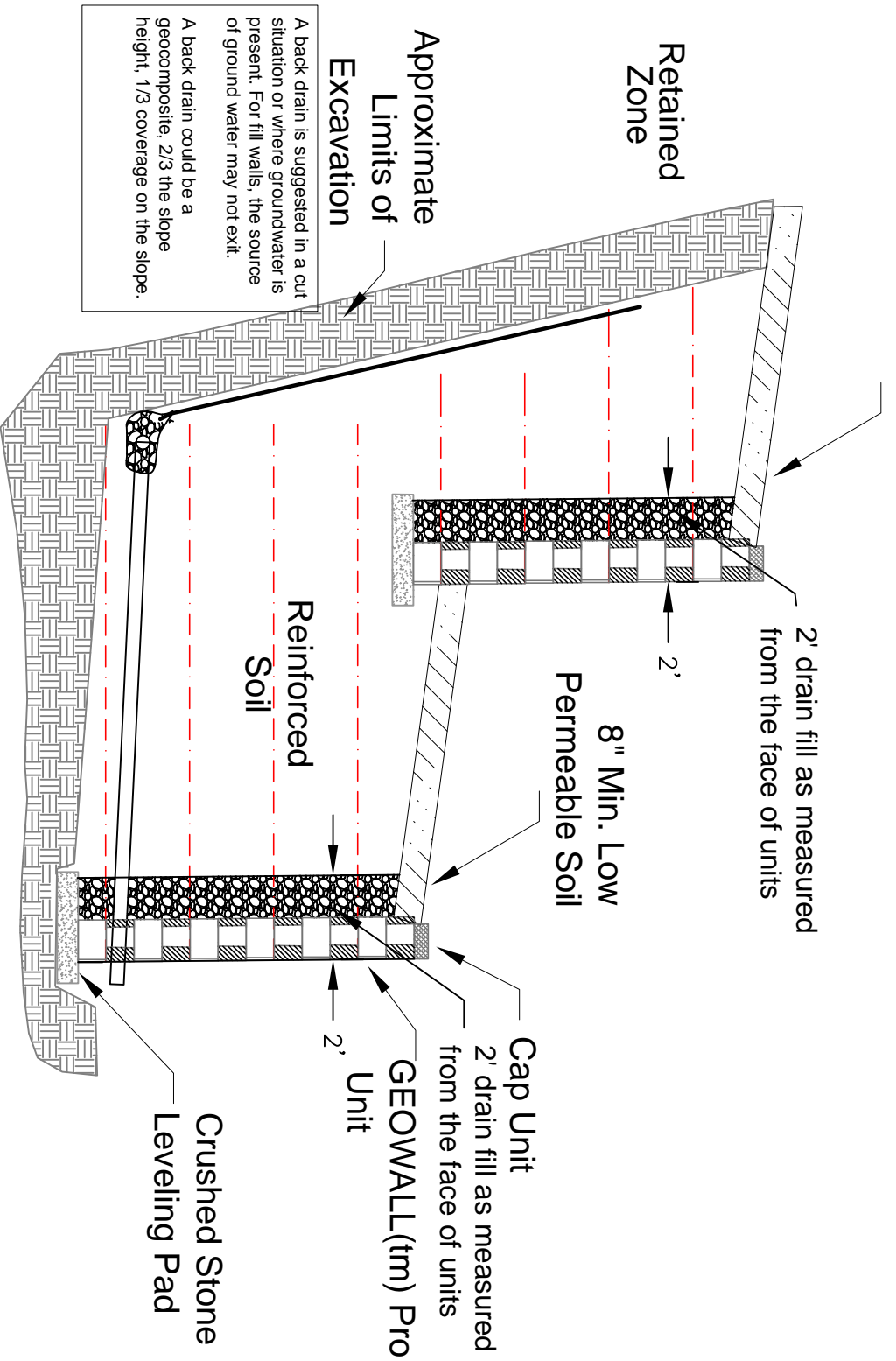


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Project: **GEOWALL Standard Drawings**

Title: **Conceptual Details**

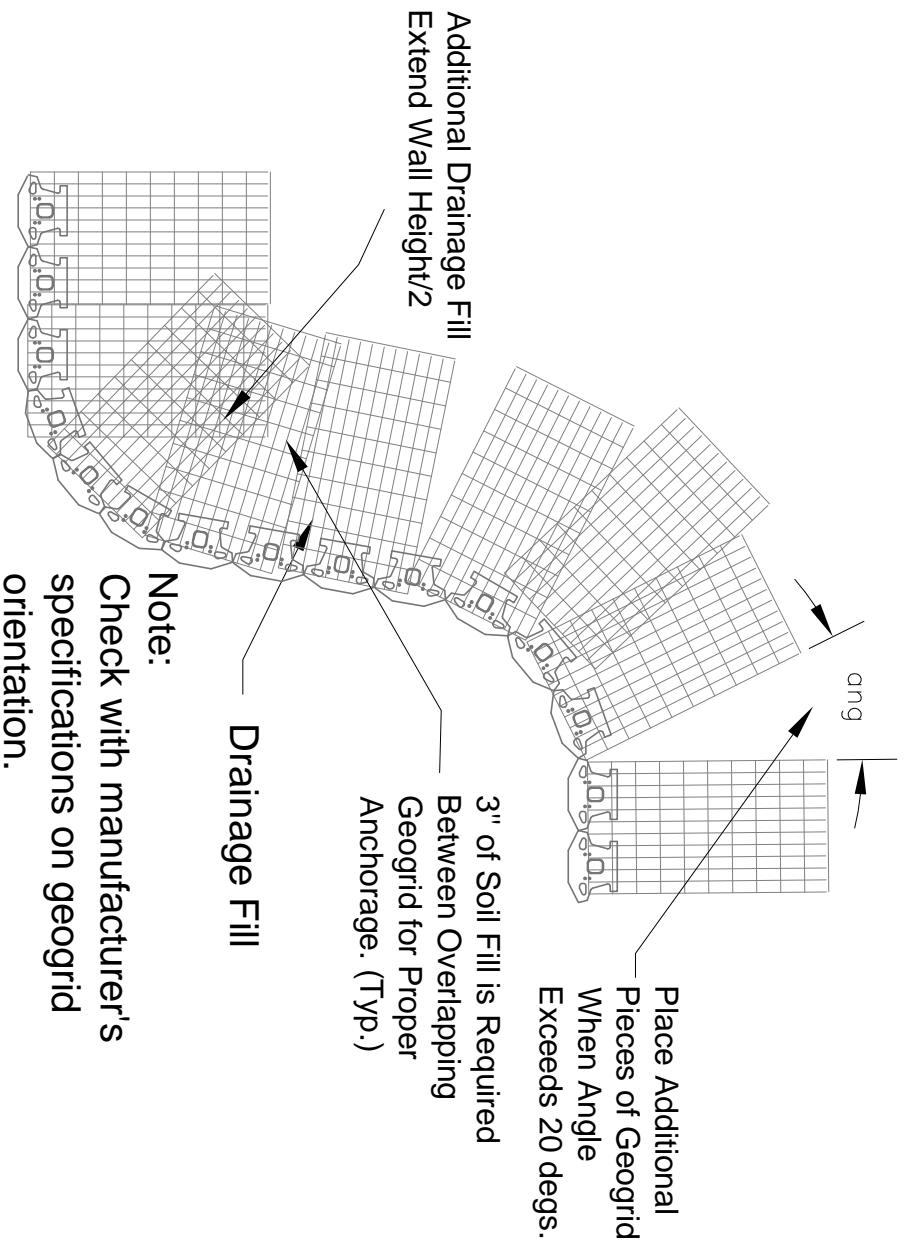
Date: 6/22/11

Scale: As Noted

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Geogrid Installation on Curves

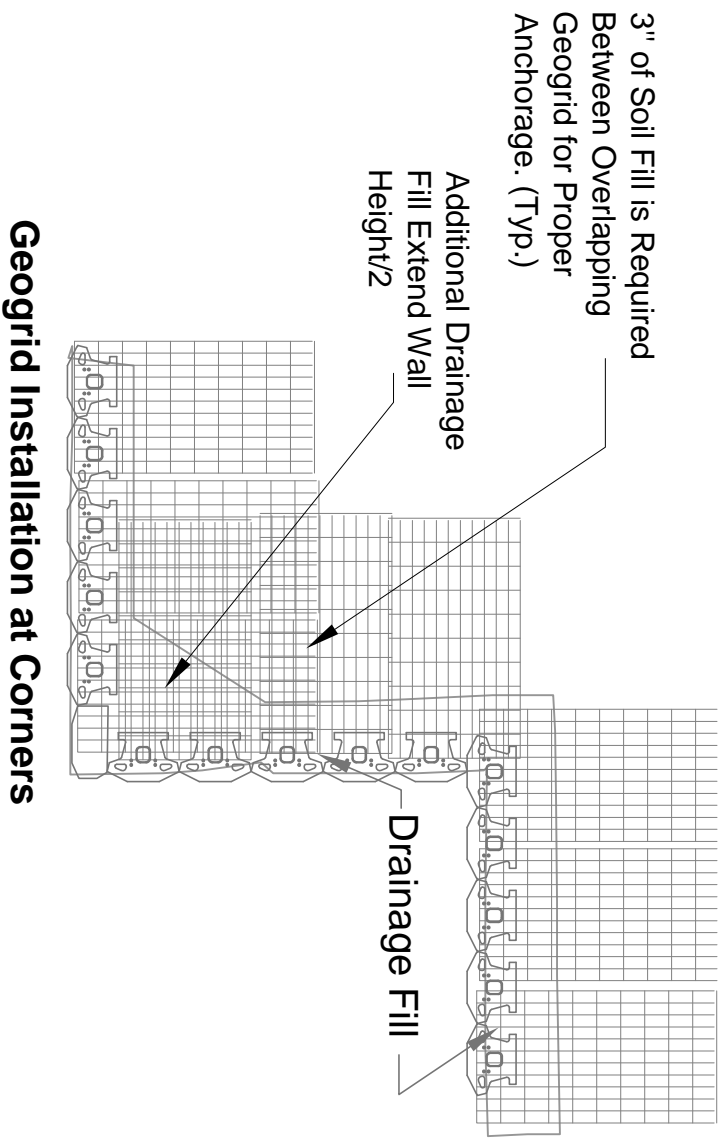
No.	Date	Revision	By

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Geogrid Installation at Corners

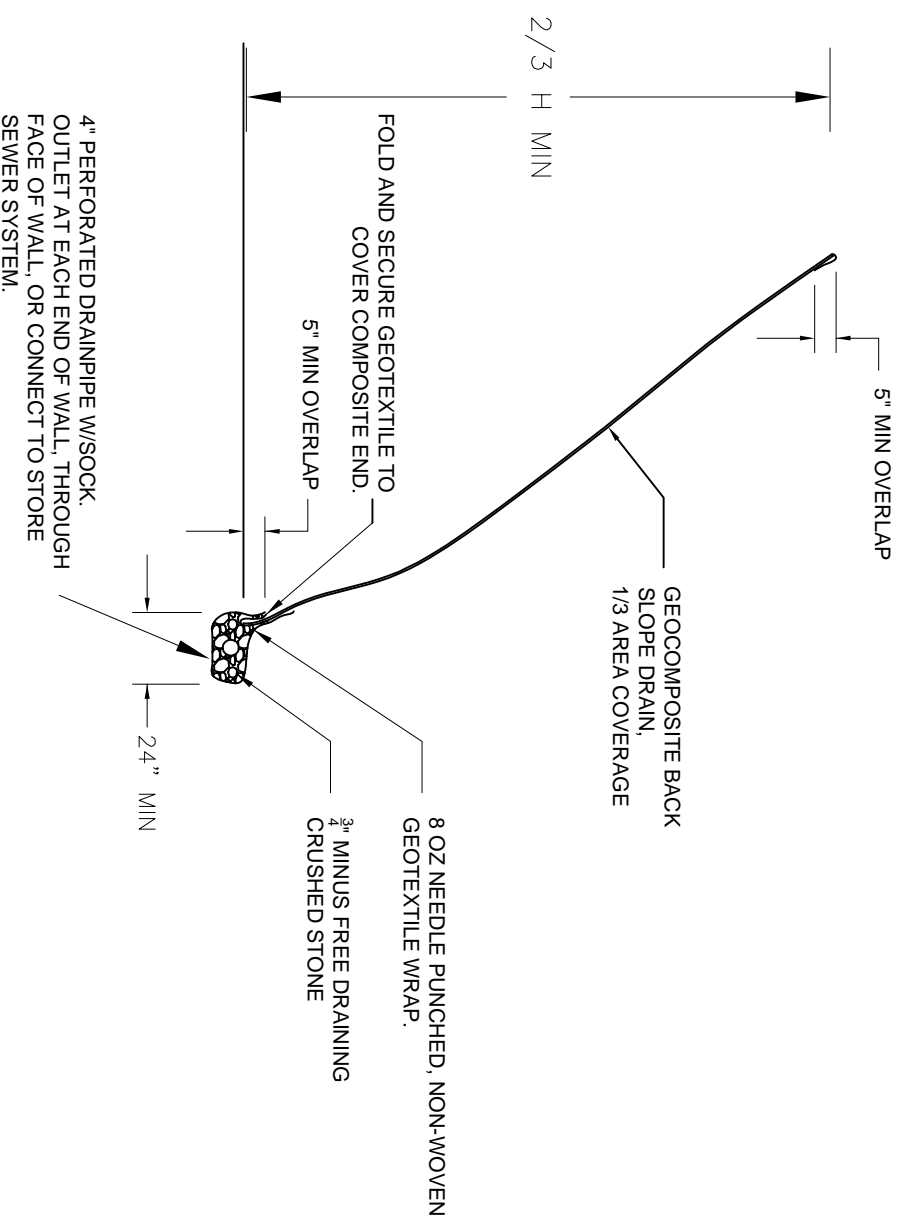
No.	Date	Revision	By

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BACK SLOPE DRAIN DETAIL WITH COMPOSITE DRAIN

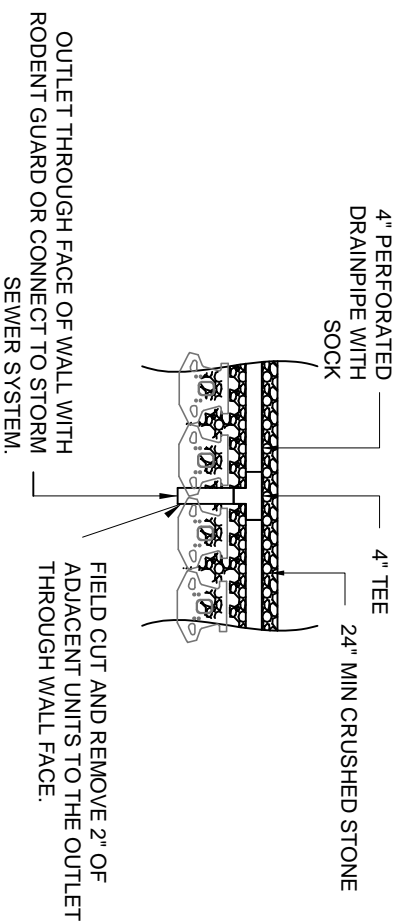
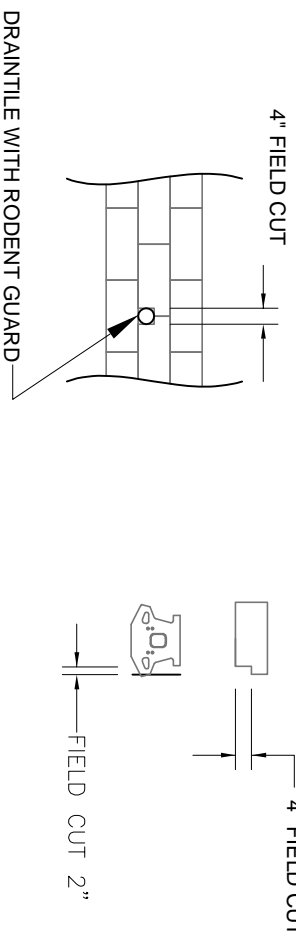
No.	Date	Revision	By

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DRAIN DETAILS

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Project
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Title
Conceptual Details

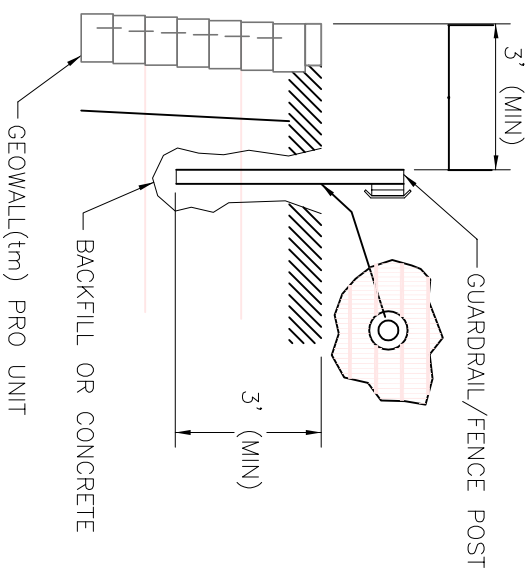
Date
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- NOTES:**
1. AUGER THROUGH GEOGRID LAYERS.
 2. BACKFILL OR CONCRETE GUARDRAIL/FENCE POST IN PLACE.



TYPICAL FENCE DETAIL

SCALE: N.T.S.

No.	Date	Revision	By

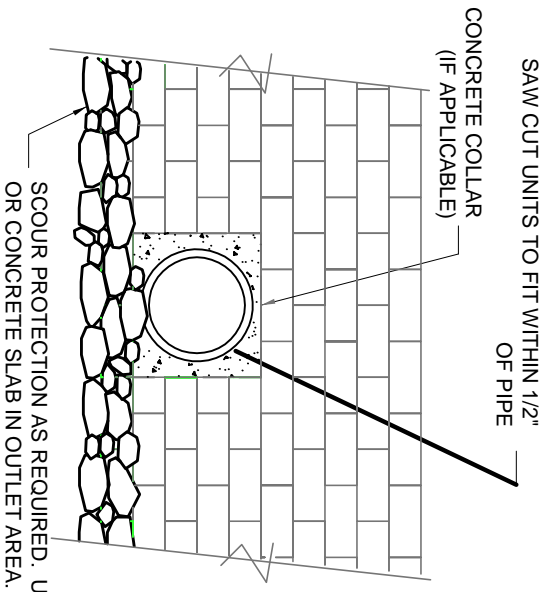
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NOTE:
 1. FOR PIPES LARGER THEN 24", A CONCRETE COLLAR MAY BE CAST AROUND PIPE FOR EASE OF CONSTRUCTION AND APPEARANCE.



TYPICAL PIPE OUTLET DETAIL

SCALE: N.T.S.

No.	Date	Revision	By

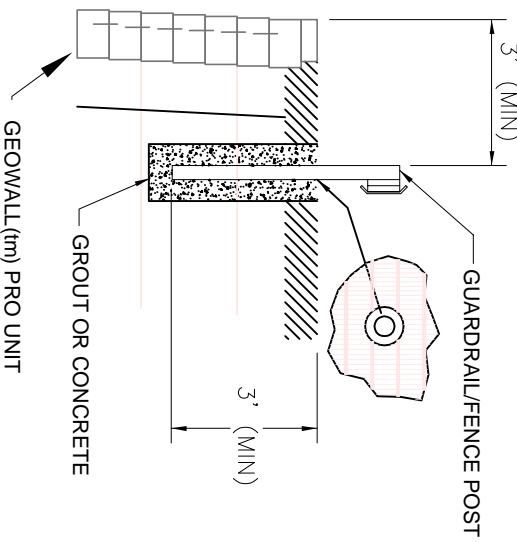
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- NOTE:
1. PLACE SONOTUBES AT GUARDRAIL/FENCE POST LOCATIONS
 2. GROUT OR CONCRETE GUARDRAIL/FENCE POST IN PLACE.



TYPICAL POST DETAIL

SCALE: N.T.S.

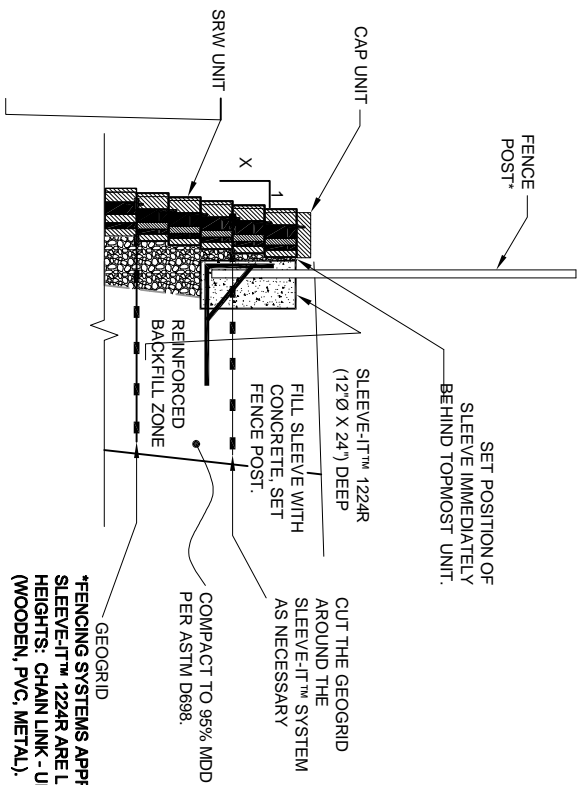
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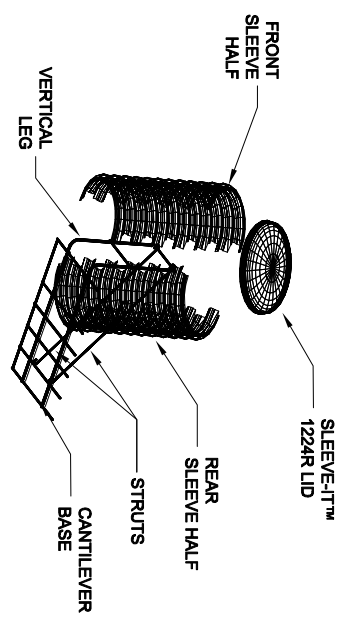


ASSEMBLY & INSTALLATION

DETAIL OF FENCE POST INSTALLATION USING SLEEVE-IT™ 1224R

N.T.S.

*FENCING SYSTEMS APPROVED FOR USE WITH THE SLEEVE-IT™ 1224R ARE LIMITED TO THE FOLLOWING HEIGHTS: CHAIN LINK - UP TO 8-FT, PRIVACY - UP TO 6-FT (WOODEN, PVC, METAL), POST SIZE 4"x4" MAX.



SLEEVE-IT™ (1m) DETAILS PROVIDED BY STRATA SYSTEMS, INC. FOR REFERENCE ONLY.

- 1. General** - The Sleeve-It™ post foundation system shall be purchased and installed by the retaining wall contractor to facilitate future fence post installation. Contractor shall verify proper spacing requirements prior to installation.
- 2. Assembly & Installation** - Refer to instructions provided with units for specific information related to the assembly of the Sleeve-It™ system and the correct installation procedure. When the segmental retaining wall has been constructed to two feet from top not including the capstone:
 - Step 1:** Prepare a level area approximately 24" wide x 36" deep behind the wall face. The prepared area should be 24" below the proposed top of wall (not including the cap stone).
 - Step 2:** Take the two sleeve halves, one front (no slots) and one back (with slots) and lay them on a level surface with the IN (smooth fingers) and the OUT (raised fingers) opposite each other. Interweave the two sleeve halves by pushing the IN finger sets under the OUT finger sets. Flip the sleeve over and follow the same procedure on the other side. Stand the unit vertically and use the two plastic ties to secure the sleeve halves into a cylindrical unit.
 - Step 3:** Place the Plastisol coated cantilever base on the prepared area with the vertical upright about 6" from the fall of the block.
 - Step 4:** Slide the sleeve over the vertical leg (the uncoated portion) with the slotted side of the sleeve facing away from the wall face.
 - Step 5:** Slip the uncoated end of each strut through the slots located in the back of the sleeve and connect them to the topmost transverse bar on the vertical leg inside the sleeve. Connect the coated ends of the struts to the coated base portion of the steel cantilever on the second transverse bar from the rear of the base.
 - Step 6:** Reposition the entire system as needed by lifting it using the top transverse bar of the vertical portion of the steel cantilever inside the sleeve after assembly. Make sure the wall batter for any remaining courses of block is accounted for when positioning the Sleeve-It™ in its final location.
 - Step 7:** Place enough 3/4" clean stone around the system to stabilize it. Set the lid in place with the handle perpendicular to the wall face. Use the handle as the center line measuring guide to ensure that the next Sleeve-It™ is placed with the proper spacing requirements as directed by the fence specifications.
 - Step 8:** When installing geogrid around the Sleeve-It™ system, slit the geogrid perpendicular to the wall face just enough to fold around the sleeve ensuring that the grid is properly attached to the wall face everywhere with the exception of where the sleeve is. This method is acceptable by geogrid manufacturers when obstacles such as fence post foundations are present.

No.	Date	Revision	By

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Important Note: Backfill soil as prescribed by retaining wall manufacturer. Backfill material above and surrounding the Sleeve-It™ system must be compacted to a minimum of 95% of the material's maximum dry density as determined by ASTM D698 (Standard Proctor). Backfill and compaction within three feet of the wall face should be performed with hand operated equipment as recommended by the National Concrete Masonry Association (NCMA) SRW guidelines. Care should be taken during the first 6-8' lift to avoid affecting the integrity of the struts extending back into the backfill zone.

Repeat Above Steps for next Sleeve-It™ unit.

When installing fencing, posts must be concreted into the Sleeve-It™ cavity. Fence posts shall extend a minimum distance of 18" into the sleeve to ensure proper engagement with the Sleeve-It™ system. All posts must be on the "inboard" side of the vertical portion of the cantilever/base. Do not install posts between vertical leg and wall face. Fill cavity completely with concrete. When concrete cures, topsoil or other surficial cover may be placed over the Sleeve-It™ system to create final, finished appearance.


The Sleeve-It™ product shall be evenly spaced no farther apart than 10 feet on centers in any case. Use of the Sleeve-It™ system is limited to the following fencing applications:

- 8-foot high and under chain link fences
- 8-foot high and under wood fence with gaps between boards
- 6-foot height and under ballustraded PVC, steel, aluminum or wrought iron fences.

For other fencing systems specifically not meeting these criteria, contact Strata Systems Inc., to determine suitability. **1 (800) 680-7750 or email strata@geogrid.com**

All material may be subject to site testing for compliance to the above specifications.

Details from SleeveIt



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