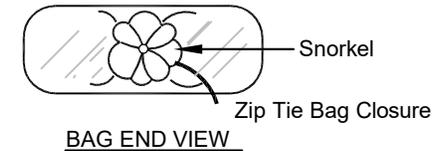
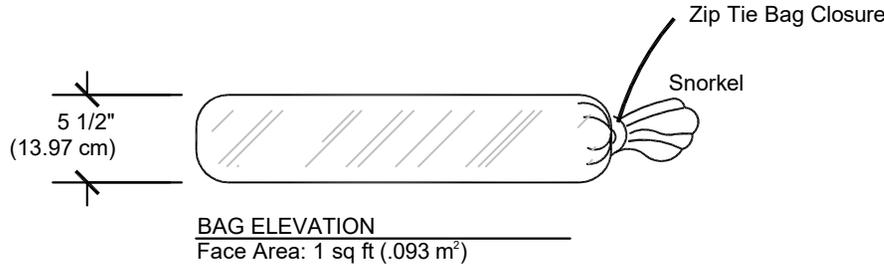


NOTE:

- Two Connector Pins shall be installed per bag, interconnecting the bags vertically
- Connector Pins shall be used to connect the first row of bags to the base setting course.
- Connector Pins shall penetrate each bag and/ or base course minimum of 2".
- Pin locations will vary with the slope of the structure and should be placed in the center of the bag contact area between courses.



FILLED BAG DIMENSIONS:

- 26" Long x 15" Wide x 5.5" High
- Face Area (Slope Application): 1 sq ft (.093 m²)
- Face Area (Mattress Application): 2.7 sq ft (.25 m²)/unit

ENVIROLOK BAG-FILL NOTES:

- Bag-Fill Volume: 1.25 cf (.0354 m³)/unit or the Equivalent to Reach Specified Filled Bag Dimensions
- Bag-Fill Content: 60-80% Granular Sand / 20-40% Topsoil. 3/4" Clear Gravel may be used for Embedded Bags
- Refer to Envirolok Standard Specifications or Project Specification for more details

NOTES:

- Quantities may vary vary based on unit filling and design layout
- One Envirolok Unit consists of:
 - One (1) Envirolok Bag
 - Two (2) Connector Pins
 - One (1) Zip Tie Bag Closure

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TITLE
STANDARD UNIT DETAIL (FILLED)

DATE
JANUARY 2026

SCALE
1" = 1' - 0"

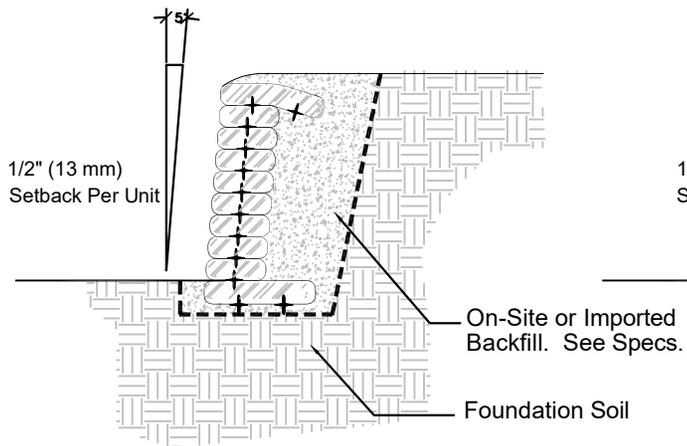
SHEET
SHEET S1A



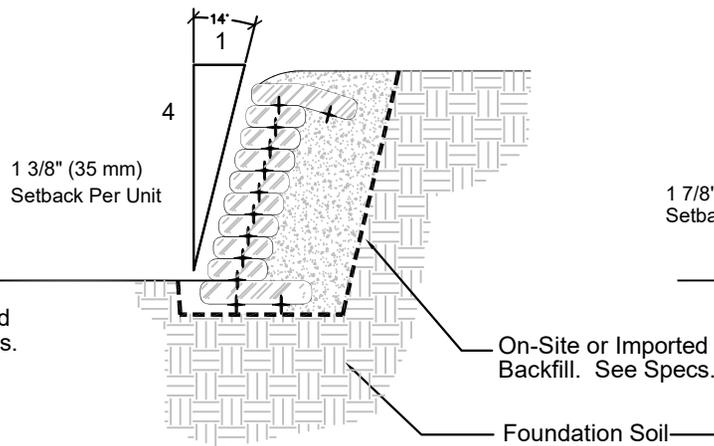
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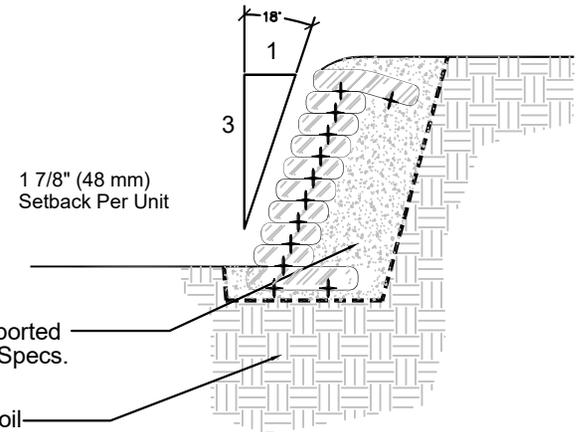
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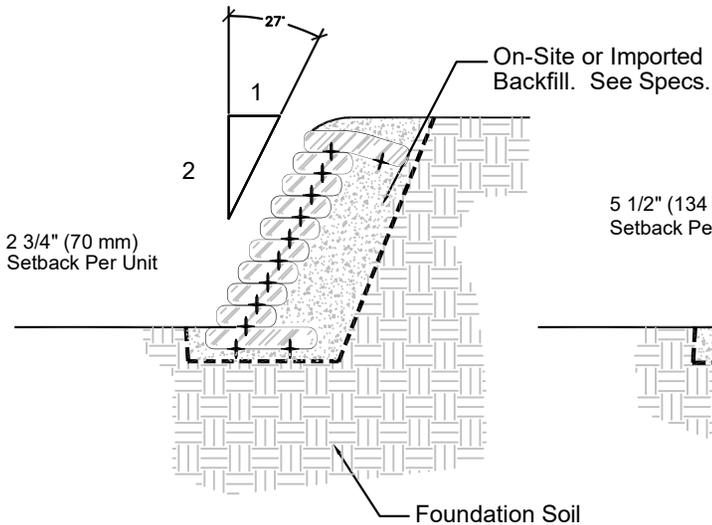
NEAR VERTICAL



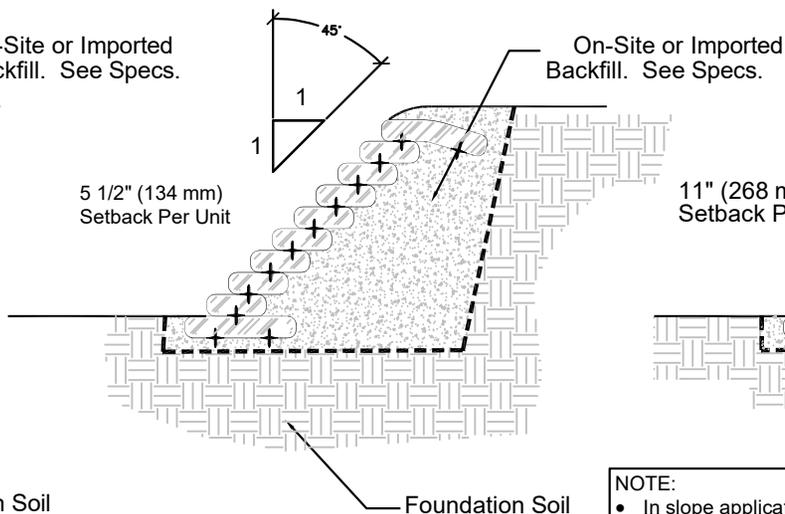
1:4 SETBACK SLOPE



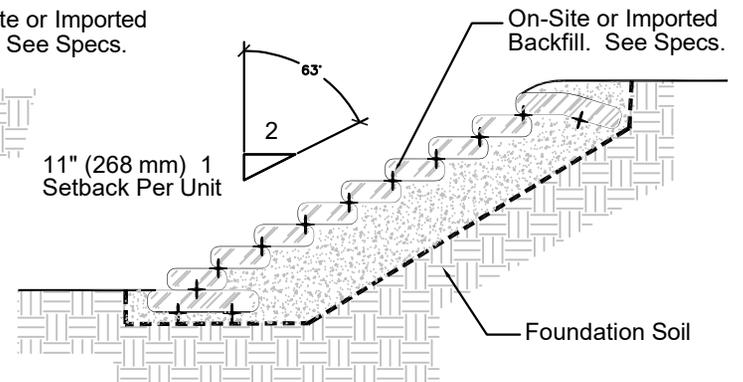
1:3 SETBACK SLOPE



1:2 SETBACK SLOPE



1:1 SETBACK SLOPE



2:1 SETBACK SLOPE

NOTE:

- In slope applications, the normal force is the weight of the bag over the shear connectors. In flat slopes, the normal force is minimal.
- Additional Reinforcement may be Required for Site Specific Applications. Refer to the Envirolok Design Guide, Standard Details, or Project Specific Drawings & Specifications.
- For Slopes Less than 2:1, refer to Details SD3 & SD4 (Mattress Application)

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TITLE
**STANDARD SETBACKS
 FOR SLOPE APPLICATIONS**

DATE
 JANUARY 2026

SCALE
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SHEET
 SHEET S2



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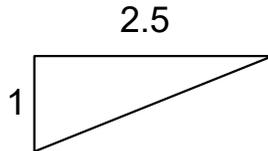
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NOTE:

- Refer to Project Specific Drawings and Specifications for Additional Details.

Set Units @ 5-10% Angle to Achieve Less than 2H:1V Slope

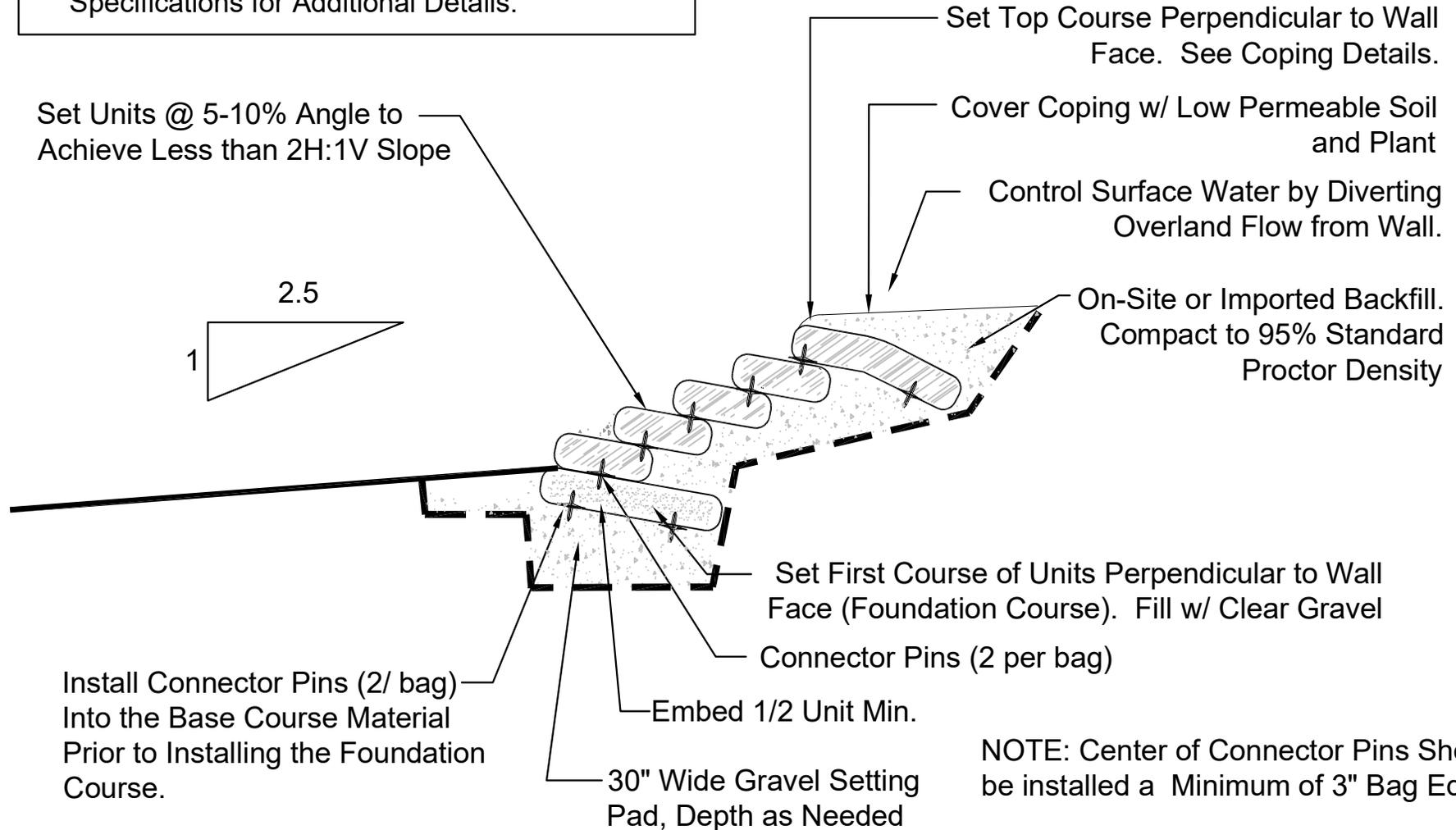


Set Top Course Perpendicular to Wall Face. See Coping Details.

Cover Coping w/ Low Permeable Soil and Plant

Control Surface Water by Diverting Overland Flow from Wall.

On-Site or Imported Backfill. Compact to 95% Standard Proctor Density



Set First Course of Units Perpendicular to Wall Face (Foundation Course). Fill w/ Clear Gravel

Connector Pins (2 per bag)

Embed 1/2 Unit Min.

30" Wide Gravel Setting Pad, Depth as Needed

Install Connector Pins (2/ bag) Into the Base Course Material Prior to Installing the Foundation Course.

NOTE: Center of Connector Pins Should be installed a Minimum of 3" Bag Edges.

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TITLE
**2.5:1 SLOPE APPLICATION
DETAIL**

DATE
APRIL 2025

SCALE
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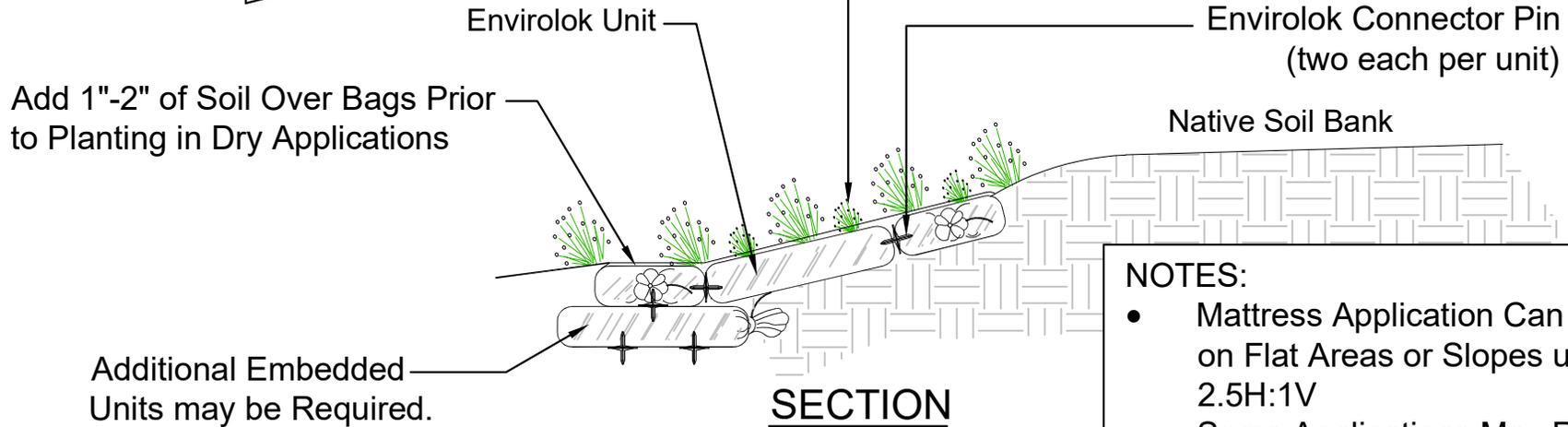
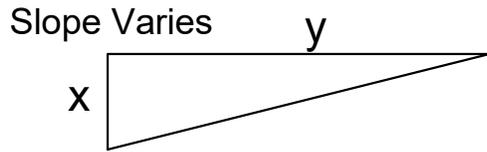
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SHEET S3



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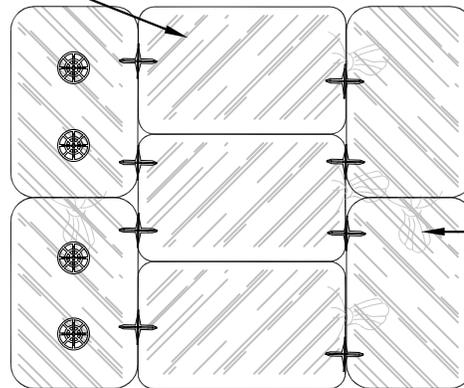
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Additional Embedded Units may be Required.

Rotate Rows of Bags as Needed to Maintain a Running Bond Pattern.



Apply Hydroseed or Place Live Plant Material Planted Between Envirolok Bags

Envirolok Connector Pin (two each per unit)

Native Soil Bank

NOTES:

- Mattress Application Can Install on Flat Areas or Slopes up to 2.5H:1V
- Some Applications May Require Additional Spikes Between Bags and Base Course (2/ Bag)
- Refer to Project Specific Drawings and Specifications for Additional Details.

Wrap Snorkel Below Bag

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TITLE
**MATTRESS APPLICATION
DETAIL**

DATE
JANUARY 2026

SCALE
1/2" = 1' - 0"

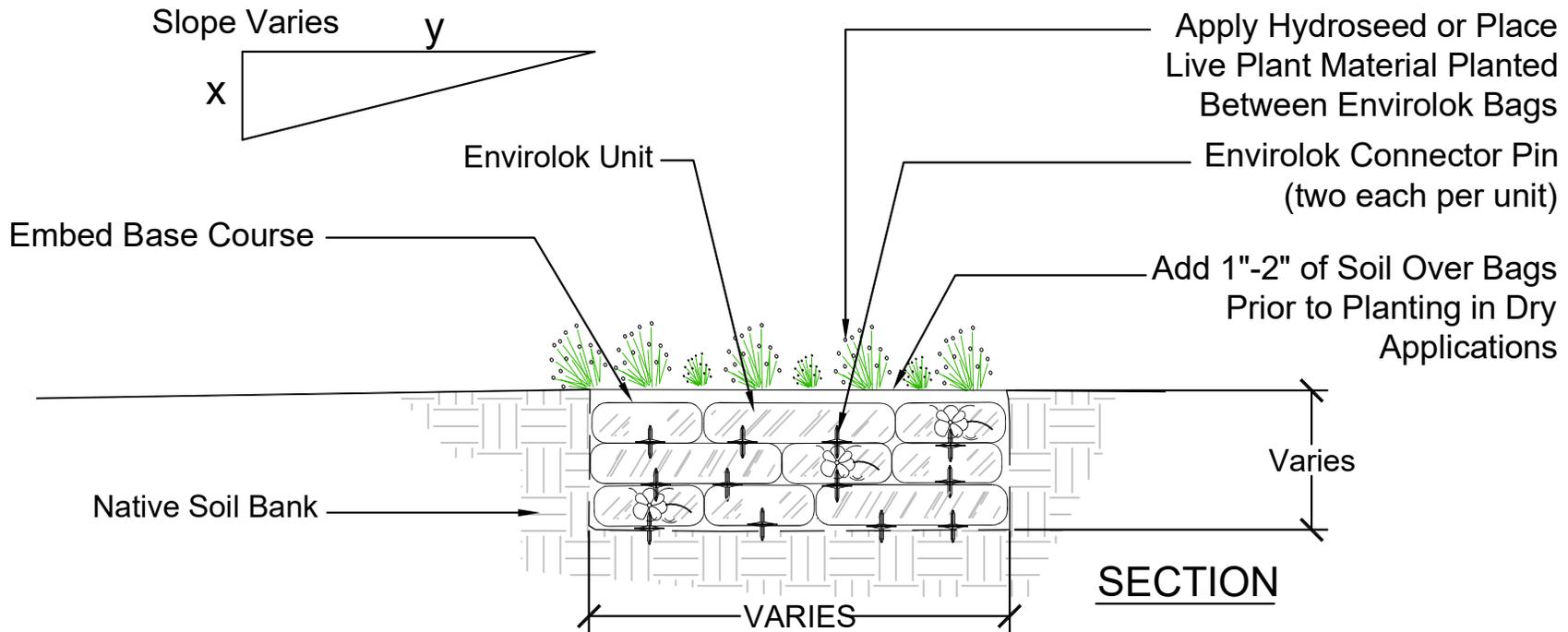
SHEET
SHEET S4A



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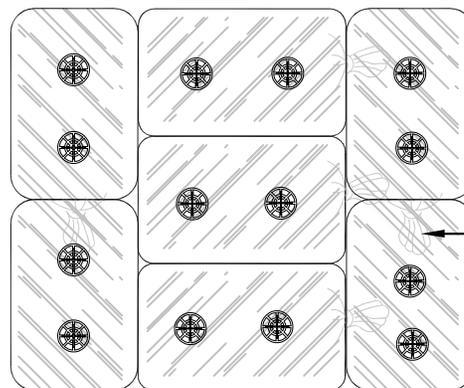
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NOTES:

- Mattress Application Can Install on Flat Areas or Slopes up to 2.5H:1V
- Some Applications May Require Additional Spikes Between Bags and Base Course (2/ Bag)
- Refer to Project Specific Drawings and Specifications for Additional Details.



PLAN

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TITLE
STACKED MATTRESS APPLICATION DETAIL

DATE
JANUARY 2026

SCALE
1/2" = 1' - 0"

SHEET
SHEET S4B



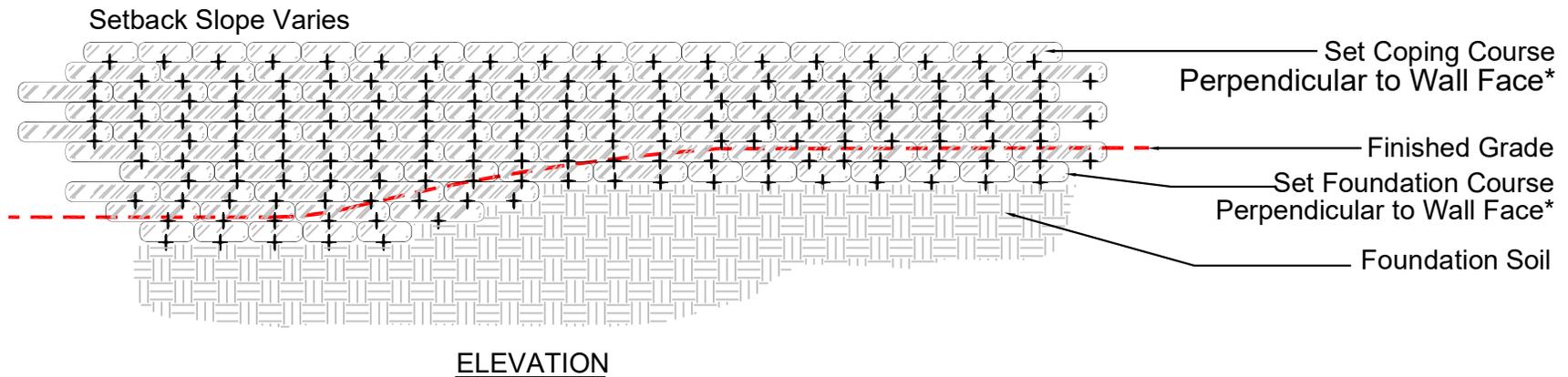
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NOTE:

- Install Steps as Needed to Minimize Number of Buried Units and Maintain Required Minimum Embedment
- Initial Foundation Course and Coping Course may be set Perpendicular to Face of Wall for Larger or More Complex Installations. Consult an Engineer for Walls over 48" High.
- Refer to Project Specific Drawings and Specifications for Additional Details.



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TITLE
**STEPPED FOUNDATION
 COURSE DETAIL**

DATE
 JANUARY 2026

SCALE
 1/4" = 1' - 0"

SHEET
 SHEET S5



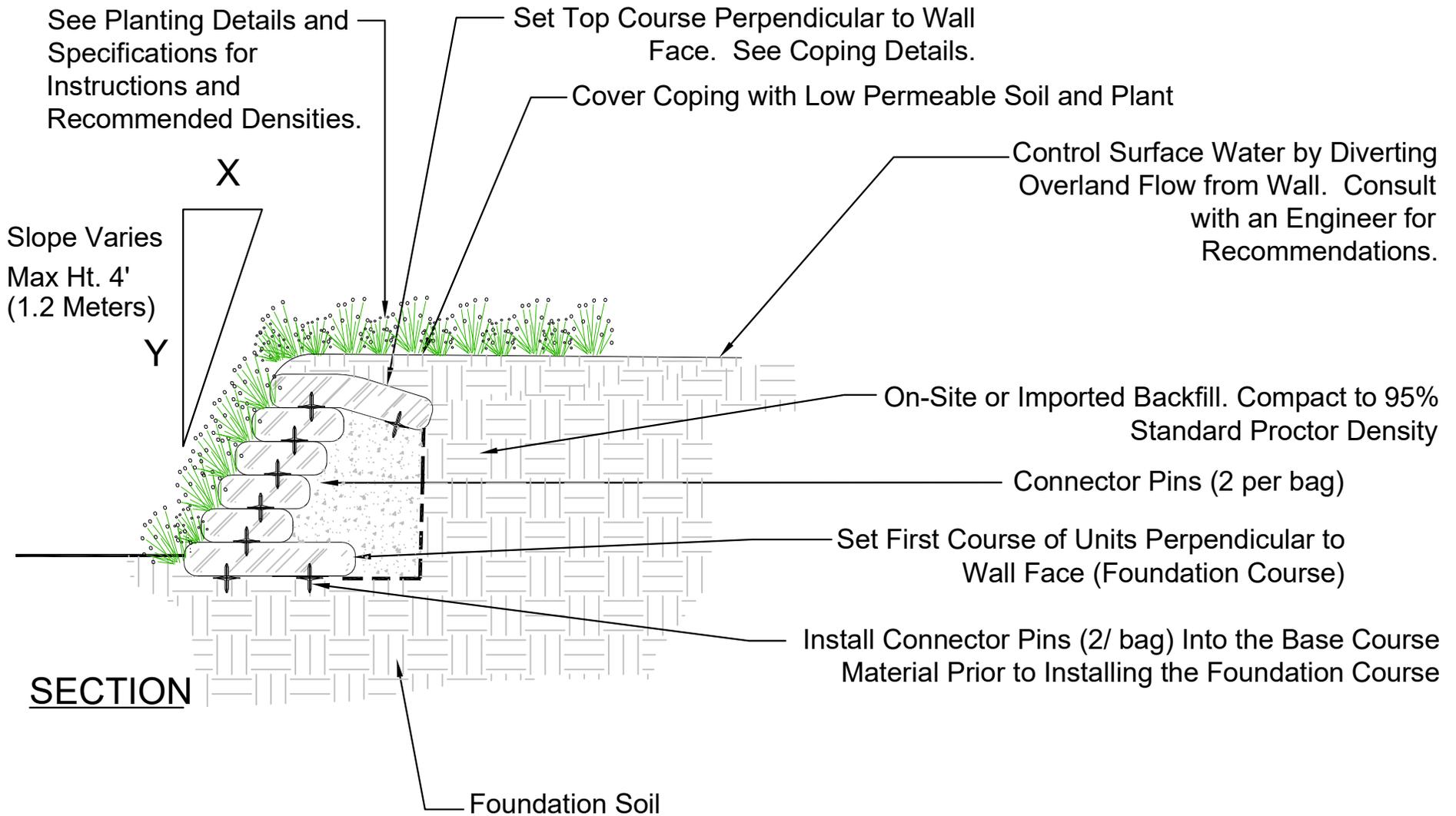
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NOTE:

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TITLE
**STANDARD SLOPE
APPLICATION DETAIL 1 OF 2**

DATE
JANUARY 2026

SCALE
1/2" = 1' - 0"

SHEET
SHEET S6

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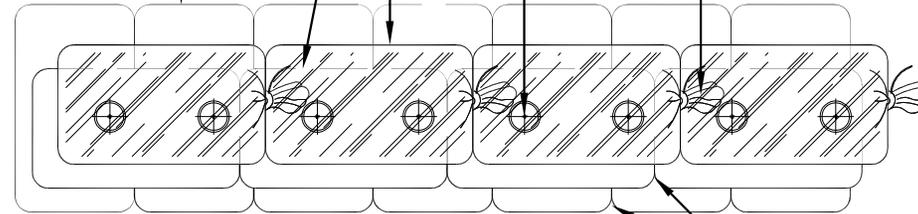
REVISIONS

Set Additional Courses Parallel to the Slope with Seam Facing Outward.

Envirolok Connector Pin
(two per bag)

Foundation Course may be Set Perpendicular to Slope with Snorkel Facing Inward

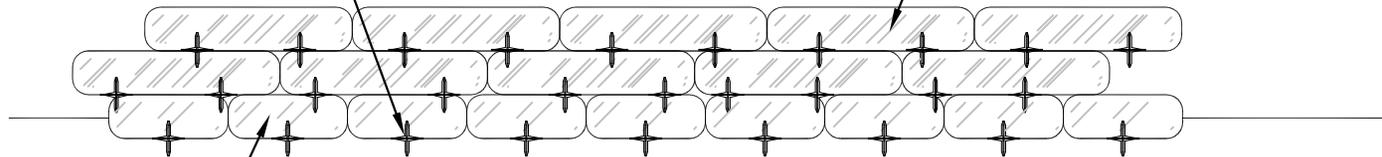
Set Bags with Snorkel Facing Out To Allow 'Snorkel' to be Tucked Below Adjoining Unit



PLAN VIEW

Stagger Bag Units Between Consecutive Rows

Install Connector Pins in Base Setting Course Prior to Setting Foundation Course (two per bag)



ELEVATION

Foundation Course to be Embedded a Minimum of 3" (7.5 cm), or as Specified by Project Designer or Engineer.

NOTE:
 • Refer to Project Specific Drawings and Specifications for Additional Details.

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TITLE
STANDARD SLOPE APPLICATION DETAIL 2 OF 2

DATE
 JANUARY 2026

SCALE
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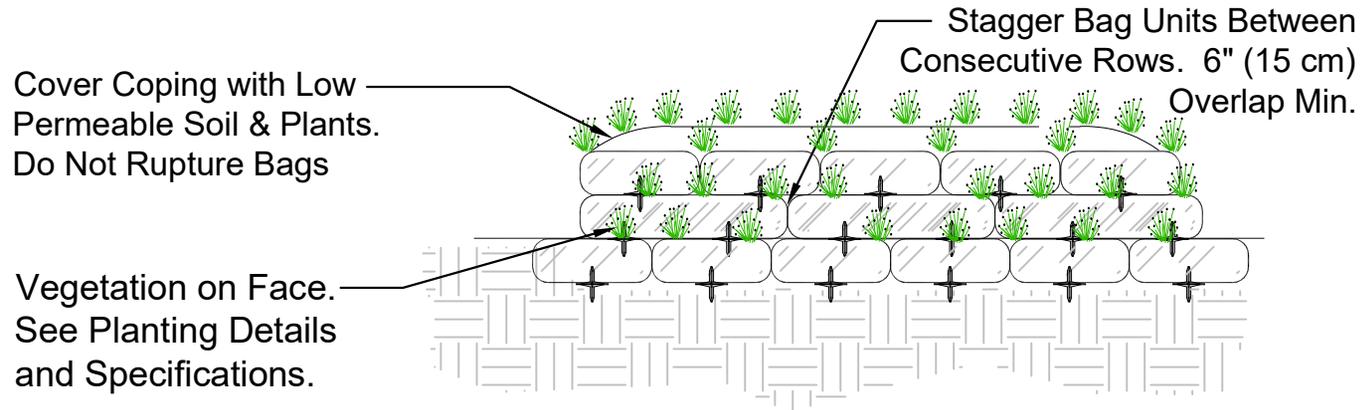
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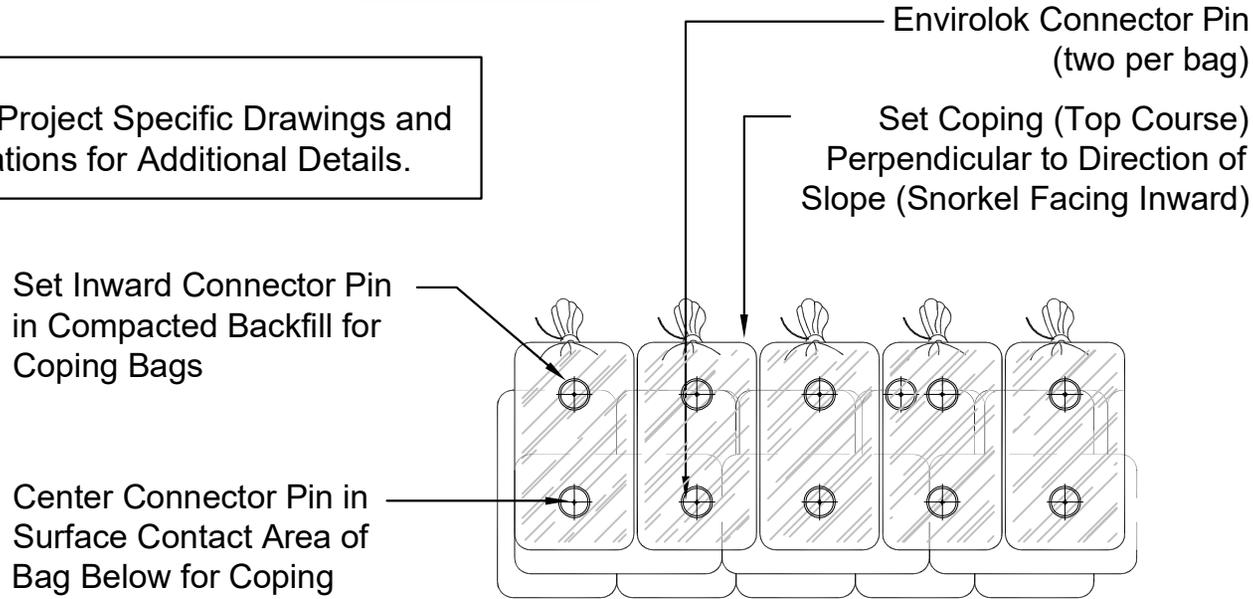
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ELEVATION

NOTE:

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PLAN VIEW

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TITLE
**COPING COURSE
DETAIL 2 OF 2**

DATE
JANUARY 2026

SCALE
1/2" = 1' - 0"

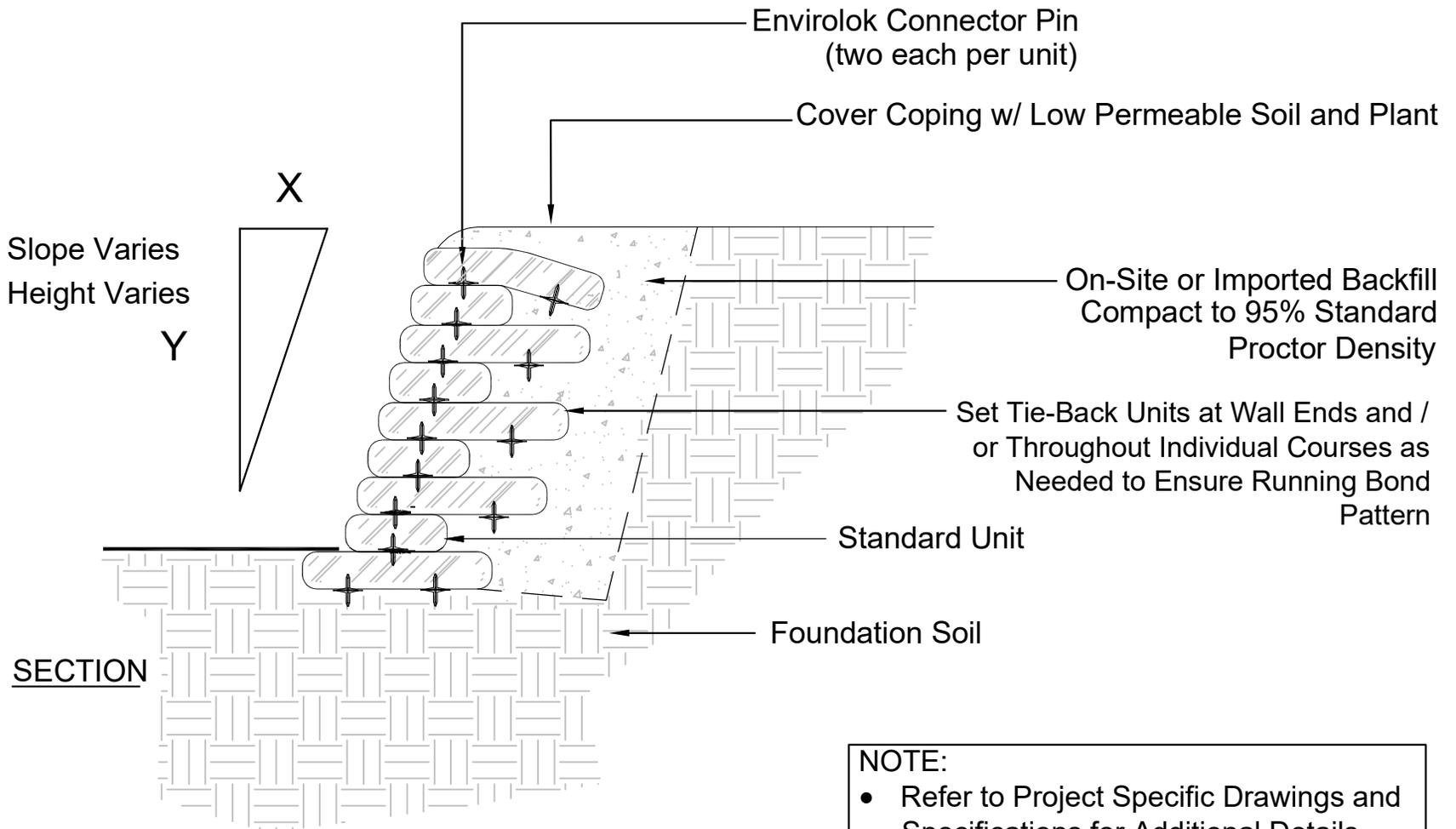
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TITLE
**TIE-BACK UNIT
DETAIL 1 OF 2**

DATE
JANUARY 2026

SCALE
1/2" = 1' - 0"

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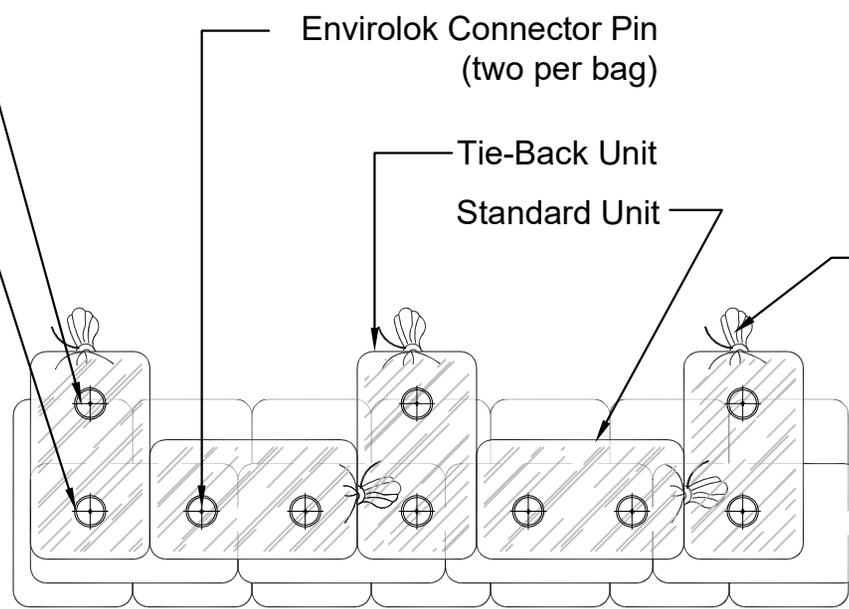
Set Inward Connector Pin in Compacted Backfill for Tie-Back Bags

Center Connector Pin in Surface Contact Area of Bag Below for Tie-Back Bags

Envirolok Connector Pin (two per bag)

Tie-Back Unit Standard Unit

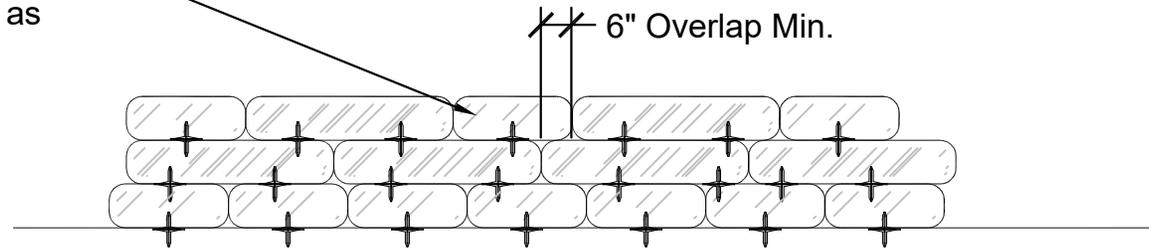
Set Tie-Back Back Bags w/ Snorkel Facing Inward



PLAN VIEW

Set Tie-Back Units at Wall Ends and / or Throughout Individual Courses as Needed to Ensure Running Bond Pattern

6" Overlap Min.



ELEVATION

NOTE:

- Refer to Project Specific Drawings and Specifications for Additional Details.

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TITLE
**TIE-BACK UNIT
DETAIL 2 OF 2**

DATE
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SCALE
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REVISIONS

Control Surface Water by Diverting
Overland Flow from Wall.
Consult with an Engineer for
Recommendations.

Backfill or Retained Soil

Curve Proposed Wall into
Existing Bank 3-4' Min.

Foundation Course of
Envirolok Units

Existing Edge of Slope or
Wall. Restore and Vegetate
Disturbed Areas or Areas as
Required in Plan Set

Face of Slope

Plan View

NOTE:

- Refer to Project Specific Drawings and Specifications for Additional Details.

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TITLE
**STANDARD WALL END
DETAIL**

DATE
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SCALE
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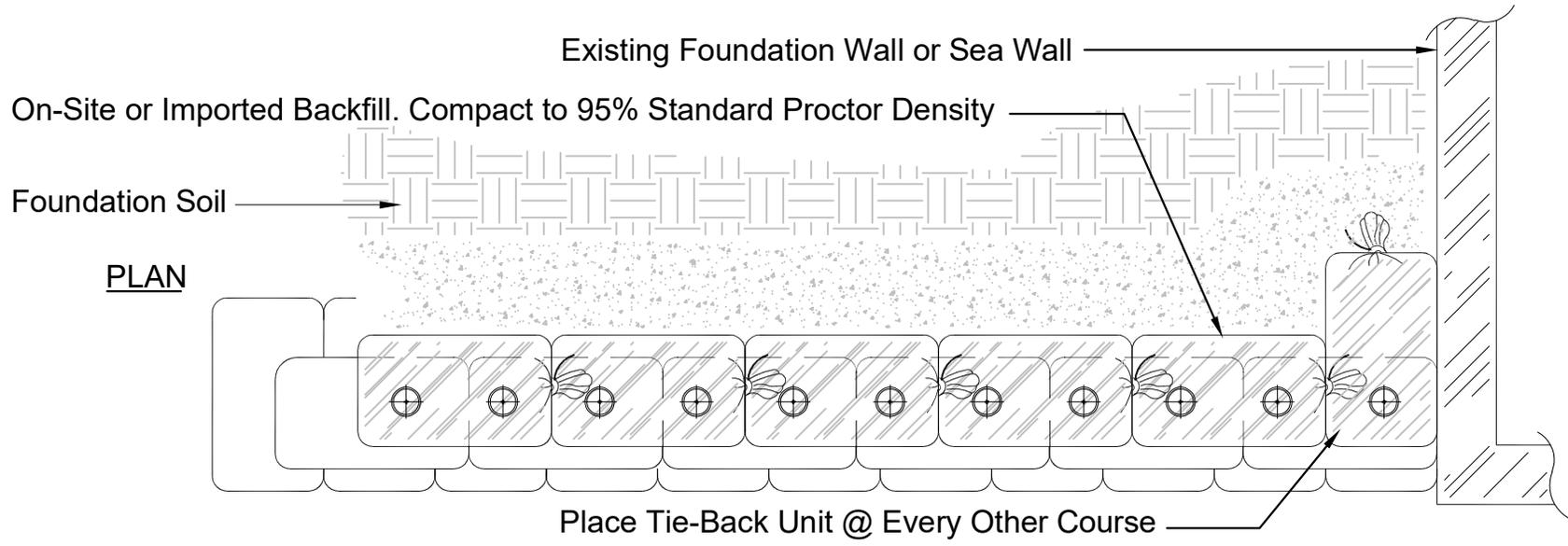
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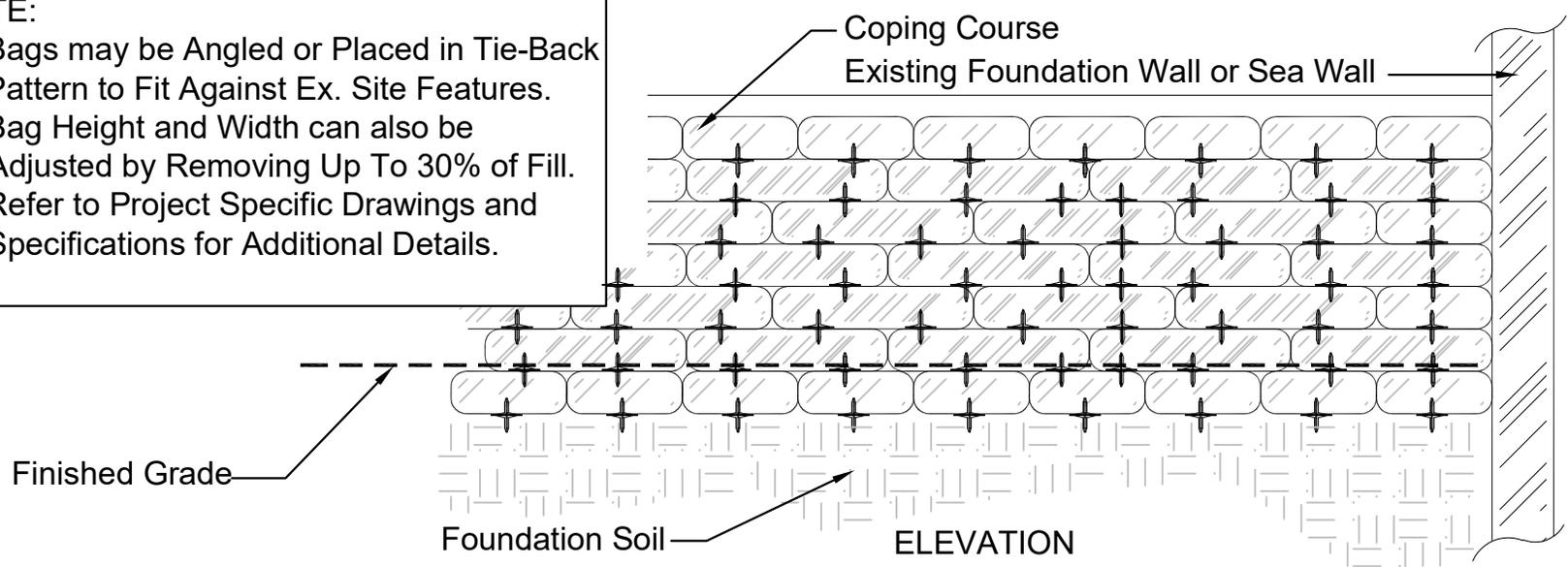
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REVISIONS



NOTE:

- Bags may be Angled or Placed in Tie-Back Pattern to Fit Against Ex. Site Features.
- Bag Height and Width can also be Adjusted by Removing Up To 30% of Fill.
- Refer to Project Specific Drawings and Specifications for Additional Details.



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TITLE WALL ABUTMENT DETAIL	
DATE JANUARY 2026	SCALE 1/2" = 1' - 0"
SHEET SHEET S13	

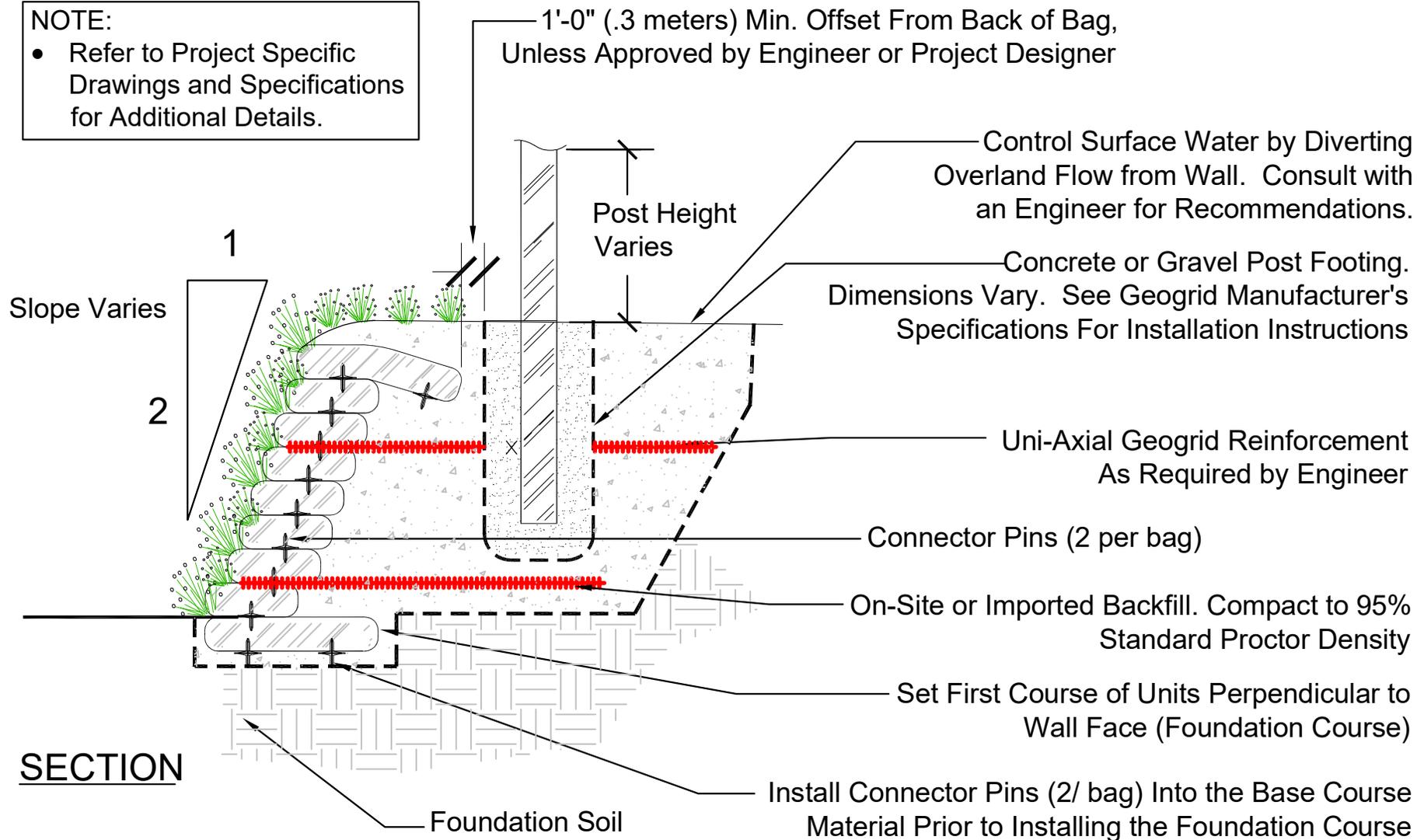
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NOTE:

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SECTION

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TITLE
**FENCE POST / RAILING
INSTALLATION DETAIL**

DATE
JANUARY 2026

SCALE
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SHEET S14



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