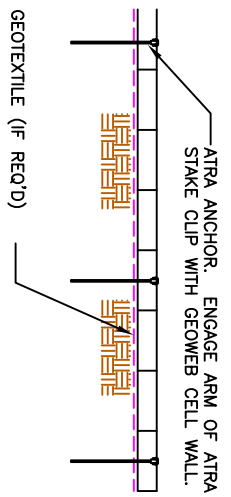
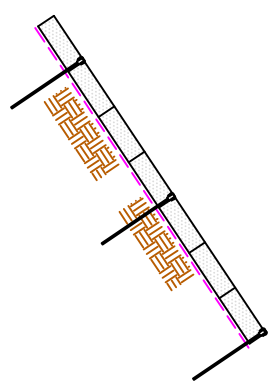


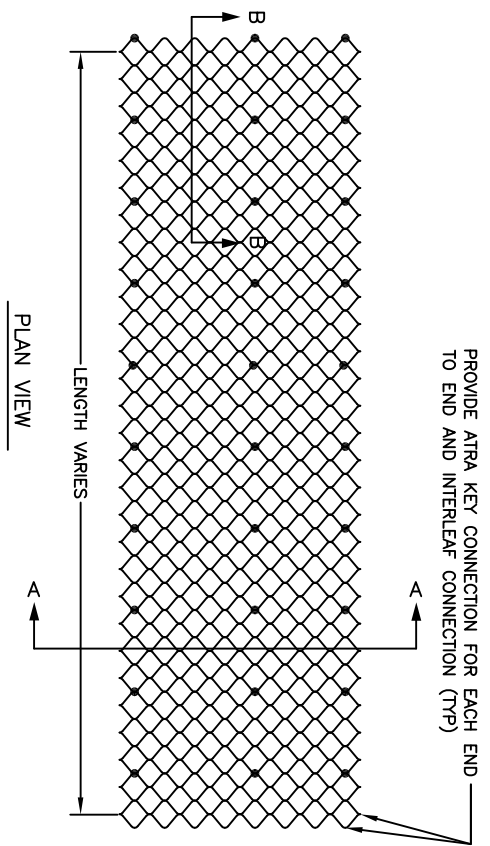
TYPICAL ATRA ANCHOR SYSTEM



SECTION A - A



SECTION B - B

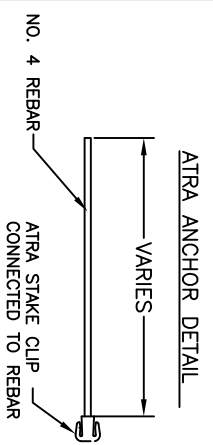


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- NOTES:
1. ATRA ANCHORS SHALL CONSIST OF NO. 4 REBAR WITH AN ATRA STAKE CLIP INSERTED INTO THE END OF THE REBAR. LENGTH OF THE ATRA ANCHORS SHALL BE AS SPECIFIED.
 2. PRE-ASSEMBLED ATRA GRPP (POLYMER) ARE AVAILABLE FROM PRESTO GEOSYSTEMS. THE GEOWEB SHALL BE FILLED WITH THE SPECIFIED MATERIAL (TOPSOIL, STONE, OR CONCRETE) AND SHALL BE SUITABLE TO WITHSTAND THE APPLICABLE HYDRAULIC CONDITIONS.
 3. THE GEOWEB SECTIONS SHALL BE ANCHORED TO RESIST SLIDING DUE DRIVING AND HYDRAULIC FORCES.
 4. IF VEGETATION IS DESIRED, PROVIDE AN EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT IF THERE IS A POTENTIAL FOR EROSION PRIOR TO ESTABLISHING VEGETATION.
 5. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAF AND END TO END CONNECTION.
 6. REFER TO THE GENERAL DETAIL DRAWINGS FOR ANCHOR DETAILS.
 - 7.

STAKE ANCHOR INSTALLATION

- STEPS:
1. POSITION THE ATRA ANCHOR NEXT TO THE UP-SLOPE CELL WALL.
 2. DRIVE ATRA ANCHOR INTO THE GROUND UNTIL ARM OF ATRA STAKE CLIP IS LOCATED ABOVE GEOWEB CELL WALL.
 3. ENGAGE ARM OF ATRA STAKE CLIP TO CELL WALL AND DRIVE UNTIL TIGHT.

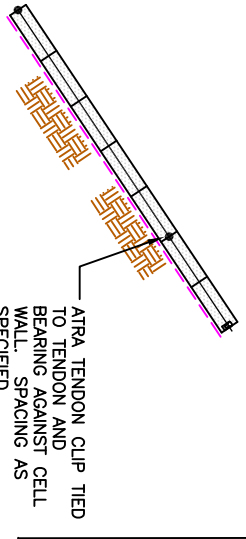
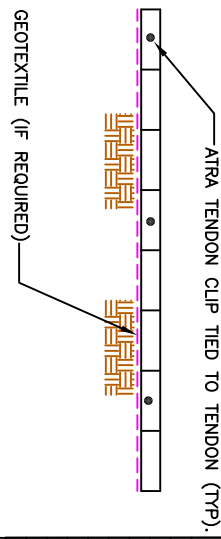
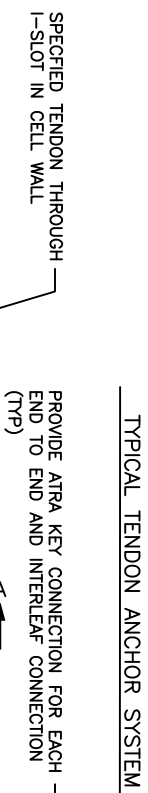
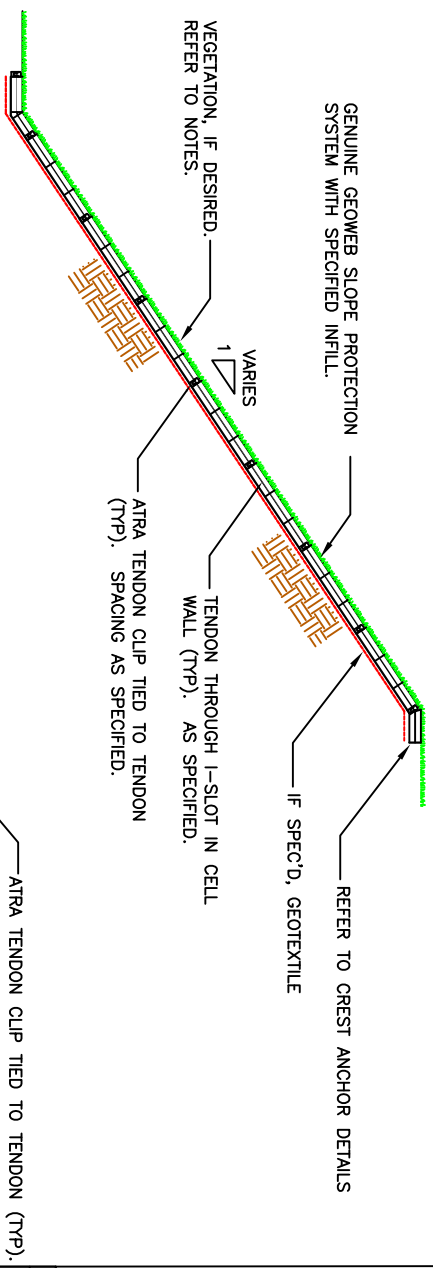


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GENUINE GEOWEB®
SLOPE WITH ATRA ANCHORS

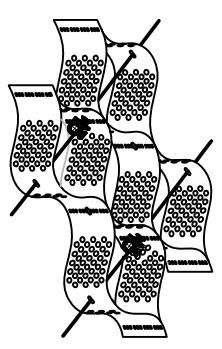
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DATE: JUNE 2013
FILE NAME: GWSLIF.DWG


SCALE: NTS
SHEET: 1
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- NOTES:
1. THE TYPE AND QUANTITY OF TENDONS AND ATRA TENDON CLIPS SHALL BE AS SPECIFIED.
 2. THE GEOWEB SHALL BE FILLED WITH THE SPECIFIED MATERIAL (TOPSOIL, STONE, OR CONCRETE) AND SHALL BE SUITABLE TO WITHSTAND THE APPLICABLE HYDRAULIC CONDITIONS.
 3. THE GEOWEB SECTIONS SHALL BE ANCHORED TO RESIST SLIDING DUE TO DRIVING AND HYDRAULIC FORCES.
 4. IF VEGETATION IS DESIRED, PROVIDE AN EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT IF THERE IS A POTENTIAL FOR EROSION PRIOR TO ESTABLISHING VEGETATION.
 5. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAF AND END TO END CONNECTION.
 6. REFER TO THE GENERAL DETAIL DRAWINGS FOR ANCHOR DETAILS.

TENDON DATA		
TENDON TYPE	WIDTH, IN(KMM)	BREAK STRENGTH, LBF (KN)
POLYESTER		
TP-31	0.50 (13)	700 (311)
TP-67	0.75 (19)	1506 (670)
TP-93	0.75 (19)	2090 (930)
KEVLAR		
TK-89	0.375 (10)	2000 (890)
TK-133	0.625 (16)	3000 (1334)
TK-189	0.75 (19)	4000 (178)





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GENUINE GEOWEB®

SLOPE - TENDON ANCHORAGE

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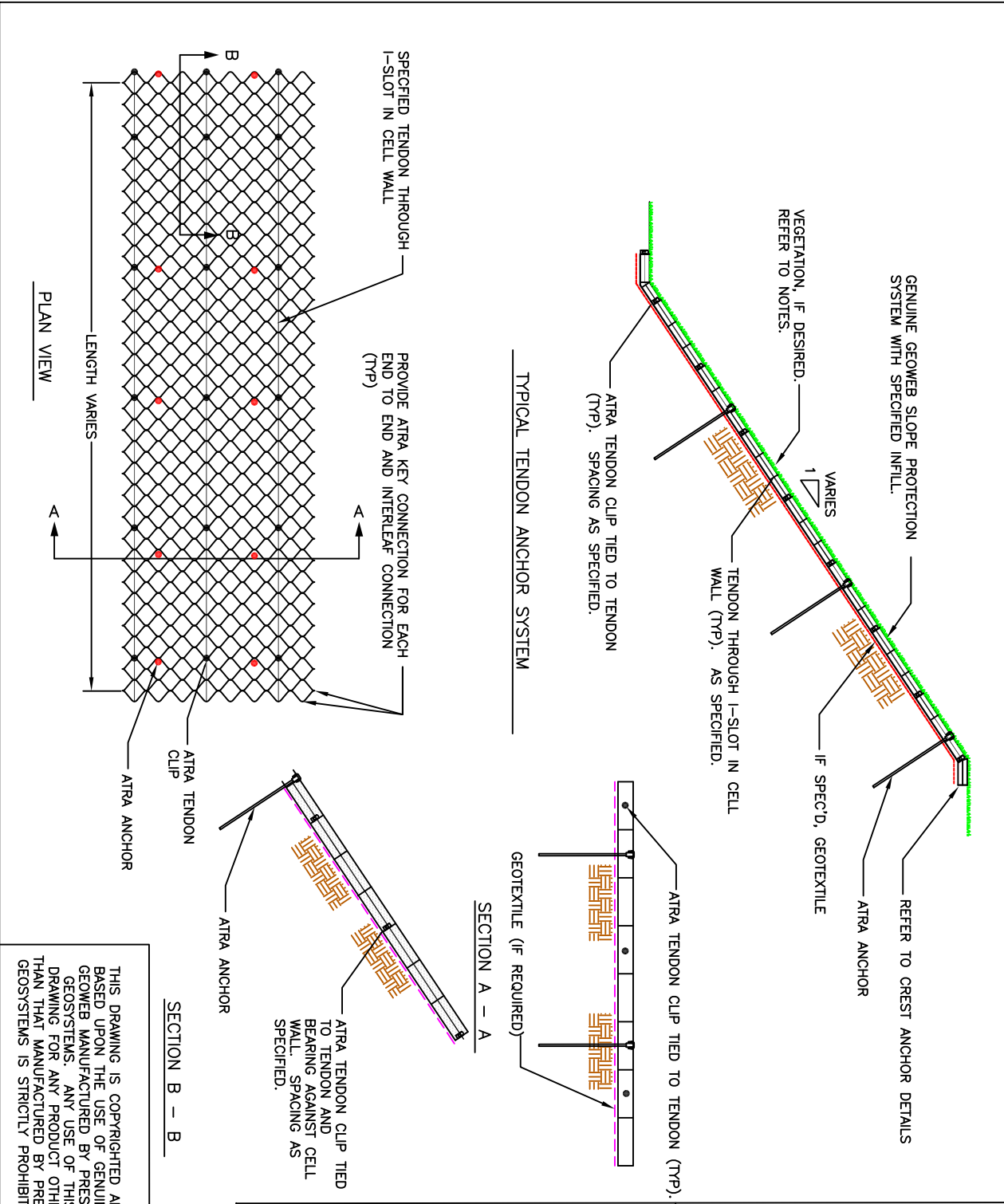
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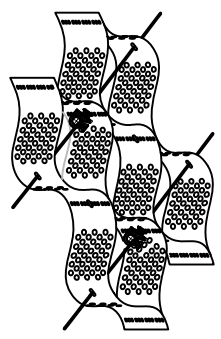
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- NOTES:
1. THE TYPE AND QUANTITY OF TENDONS AND ATRA ANCHORS SHALL BE AS SPECIFIED.
 2. THE GEOWEB SHALL BE FILLED WITH THE SPECIFIED MATERIAL (TOPSOIL, STONE, OR CONCRETE) AND SHALL BE SUITABLE TO WITHSTAND THE APPLICABLE HYDRAULIC CONDITIONS.
 3. THE GEOWEB SECTIONS SHALL BE ANCHORED TO RESIST SLIDING DUE TO DRIVING AND HYDRAULIC FORCES.
 4. IF VEGETATION IS DESIRED, PROVIDE AN EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT IF THERE IS A POTENTIAL FOR WASH-OUT PRIOR TO ESTABLISHING VEGETATION.
 5. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAF AND END TO END CONNECTION.
 6. REFER TO THE GENERAL DETAIL DRAWINGS FOR ANCHOR DETAILS.

TENDON DATA		
TENDON TYPE	WIDTH, IN(MM)	BREAK STRENGTH, LBF (KN)
POLYESTER		
TP-31	0.50 (13)	700 (3.11)
TP-67	0.75 (19)	1506 (6.70)
TP-93	0.75 (19)	2090 (9.30)
KEVLAR		
TK-89	0.375 (10)	2000 (8.90)
TK-133	0.625 (16)	3000 (13.34)
TK-189	0.75 (19)	4000 (17.8)



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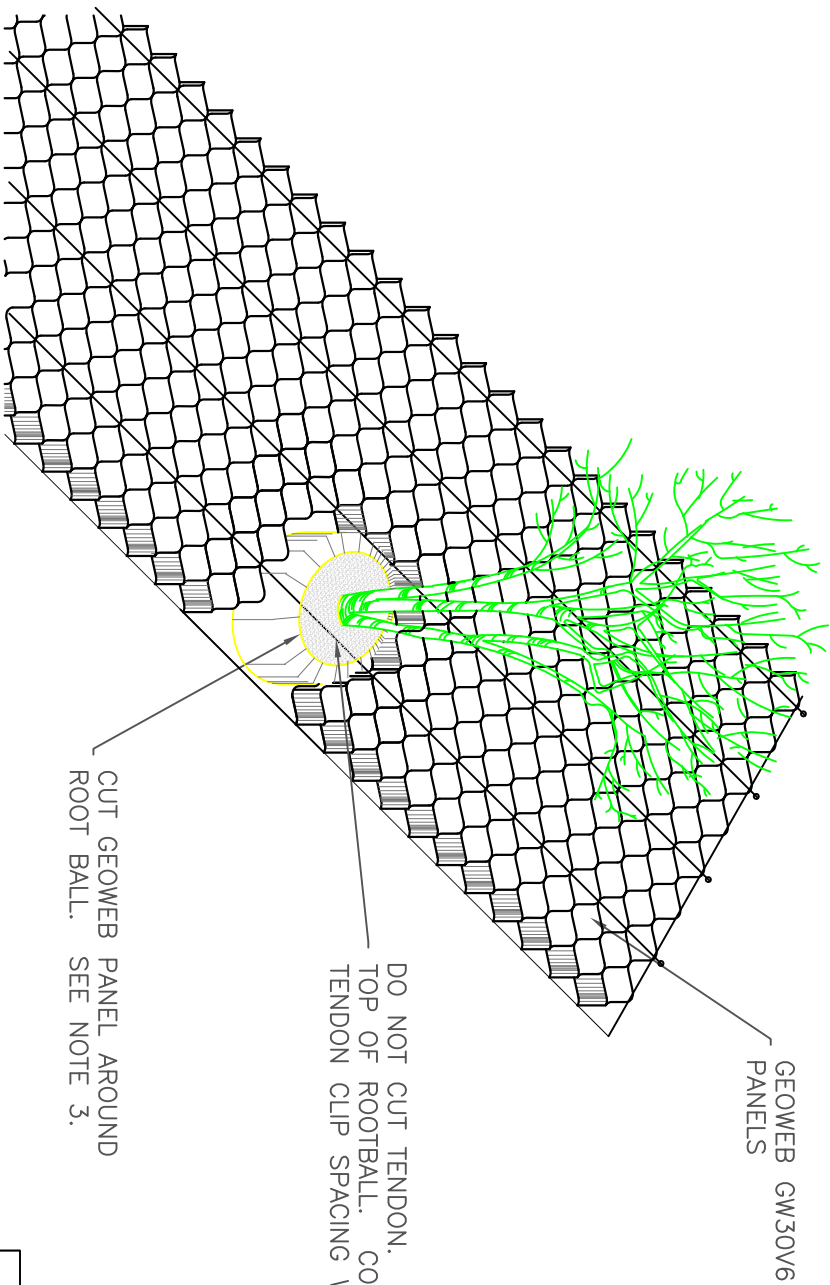
GENUINE GEOWEB®

SLOPE – TENDON/ATRA ANCHORAGE

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1. This evaluation is copyrighted and is based on the use of Genuine Geoweb manufactured by Presto Products. All rights reserved. Any use of this evaluation for any geocell product other than that manufactured by Presto Products is strictly prohibited and makes this evaluation invalid.
 2. The Geoweb panels shall be connected with Atra keys at each interleaf and end to end connection.
 3. Cut Geoweb panels to fit closely to the rootball. Zip tie the cut panels to the adjacent panels..
 4. Limit the drop of infill to 3 feet to prevent panel distortion.



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	GEOWEB SLOPE PROTECTION LANDSCAPE ELEMENTS

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