



Erosion Control Blankets
Sediment Retention Fiber Rolls
Turf Reinforcement Matting



*“Small Enough to Know You,
Large Enough To Serve You”*

Product Application Guide

PRODUCT	DESCRIPTION	FUNCTIONAL LONGV.	TYPICAL APPLICATION	FHWA-FPO3/ ECTC CAT.	TYPICAL PROJECTS
SHORT TERM EROSION BLANKETS					
ETRS1	100% straw fill; 1.5lb photodegradable polypropylene top net	12 MO.	4:1 to 3:1 Slopes, Low Flow Channels	2.C	Commercial, Highways, Mines, Pipelines, Woodlands, Golf Course Residential Lawns, Landfill Caps
ETRS1RD	100% straw fill; 1.5lb accelerated photodegradable polypropylene top net	90 DAYS		1.C	
ETRS2	100% straw fill; 1.5lb photodegradable top and bottom net	12 MO.	3:1 to 2:1 Slopes, Medium Flow Channels	2.D	
ETRS2RD	100% straw fill; 1.5lb accelerated photodegradable top and bottom net	90 DAYS		1.D	
ETX1	100% excelsior wood fill; 1.5lb polypropylene top net	12 MO.		2.C	
ETX2	100% excelsior wood fill; 1.5lb polypropylene top and bottom net	12 MO.	2:1 to 1:1 Slopes, Medium Flow Channels	2.D	
EXTENDED TERM					
ETSC70/30	70% straw 30% coconut fill; 3lb UV stabilized polypropylene top net 1.5lb photodegradable bottom net	24 MO.	2:1 to 1:1 Slopes, Medium Flow Channels	3.B	Steeper Slopes, Ditches, Waterways, Drainage Swales, Landfill Caps
ETX3	100% excelsior wood fill 3lb UV stabilized polypropylene top and bottom net	24 MO.		3.B	
ETC100	100% Coconut Fill 3lb UV stabilized polypropylene top and bottom net	36 MO.	1:1 and Greater Slopes, High Flow Channels	4	Landfill Caps, Drainage Ditches, Swales, Stream Bank Restoration
BIODEGRADABLE EROSION CONTROL BLANKETS					
ETRS1BN	100% straw fill 55gsm/9.3lb jute top net	12 MO.	4:1 to 3:1 Slopes, Low Flow Channels	2.C	Residential, Commercial, Wetland Mitigation, Environmentally Sensitive Sites, Shaded Areas, Bioengineering
ETRS2BN	100% straw fill 55gsm/9.3lb jute top and bottom net	12 MO.	3:1 to 2:1 Slopes, Medium Flow Channels	2.D	
ETSC70/30 BN	70% ag straw 30% coconut fill 55gsm/9.3lb jute top and bottom net	18 MO.	2:1 to 1:1 Slopes, Medium Flow Channels	3.B	
ETX1BN	100% excelsior fill 55gsm/9.3lb jute top net	12 MO.	3:1 to 2:1 Slopes, Medium Flow Channels	2.C	
ETX2 BN	100% excelsior wood fill 55gsm/9.3lb jute top and bottom net	12 MO.	2:1 to 1:1 Slopes, Medium Flow Channels	2.D	
ETC100BN	100% coconut fill 55gsm/9.3lb jute top and bottom net	18 MO.	1:1 and Greater Slopes, High Flow Channels	4	
PERMANENT TRM					
ETPP8	100% synthetic UV stabilized fill 8oz/yd ² 5lb UV stabilized top and bottom net	1:1 and Greater Slopes, Medium to High Flow Channels, Stream Banks, Shorelines		5A,	Roadside Waterways, Golf Course Swales, Steep Slopes, Landfill Caps, Shorelines
ETPP10	100% synthetic UV stabilized fill 10oz/yd ² 5lb UV stabilized top and bottom net			5A, 5B, 5C	Roadside Waterways, Golf Course Swales, Steep Slopes, Landfill Caps, Shorelines, Streambanks
ETPP12	100% synthetic UV stabilized fill 12oz/yd ² 5lb UV stabilized top and bottom net			5C	

Erosion Tech RECP Cross Reference Guide

Description		North American Green	Western Excelsior	American Excelsior	Propex	East Coast Erosion
Single Net Straw	ETRS1	S75	Excel SR-1	Premier Single Straw	Landlok ECB S1	ECS-1
Single Net Straw (Rapid Degradable)	ETRS1-RD	DS75	Excel SR-1RG	Premier Single Straw	Landlok ECB S1-RD	
Single Net Straw (Biodegradable)	ETRS1-BN	S75BN	Excel SR-AN	Premier Single Straw		ECS-1B
Double Net Straw	ETRS2	S150	Excel SS-2	Premier Double Stra	Landlok ECB S2	ECS-2
Double Net Straw (Rapid Degradable)	ETRS2-RD	DS150	Excel SS-2 RG	Premier Double Stra	Landlok ECB S2-RD	----
Double Net Straw (Biodegradable)	ETRS2-BN	S150BN	Excel SS-2 AN	Premier Double Stra	Landlok ECB S2-ENS2	ECS-2B
Single Net Excelsior	ETX1	----	EXCEL R-1	CURLEX I	----	ECX-1
Single Net Excelsior (Rapid Degradable)	ETX1-RD	----	EXCEL R-1 RG	CURLEX I	----	----
Single Net Excelsior (Biodegradable)	ETX1-BN	----	EXCEL R-1 AN	CURLEX I	----	----
Double Net Excelsior	ETX-2	----	EXCEL S-2	CURLEX II	----	ECX-2
Double Net Excelsior (Rapid Degradable)	ETX2-RD	----	EXCEL S-2 RG	CURLEX II	----	----
Double Net Excelsior (Biodegradable)	ETX2-BN	----	EXCEL S-2 AN	CURLEX II	----	----
70/30 Straw Coconut Blend	ETSC 70/30	SC150	Excel CS-3	Premier Straw/ Coco Blend	Landlok CS-2	ECSC-2
70/30 Straw Coconut Blend (Biodegradable)	ETSC 70/30BN	SC150 BN	Excel CS-3AN	Premier Straw/ Coco Blend	Landlok ENCS-2	ECSC-2b
100% Coconut	ETC 100	C125	Excel CC-4	Premier Coconut	Landlok C2	ECC-2
100% Coconut (Biodegradable)	ETC 100BN	C125BN	Excel CC-4AN	Premier Coconut	Landlok EN-C2	ECC-2B
Turf Reinforcement Matting	ETPP-10	P300	PP5-8	RECYCLEX	Landlok TRM 435	ECP-2
	ETPP-10	SC250	PP5-10	RECYCLEX	Landlok TRM 450	ECP-2
	ETPP-10	C350	PP5-10/12	----	Landlok TRM 1060	ECC-3

Slope Installation Guidelines

Suggested Installation Guidelines (to be distributed with Drawings 1-5)

Step 1: Site Preparation

Prepare site to design profile and grade. Remove debris, rocks, clods, etc. Surface should be smooth prior to installation to ensure blanket remains in contact with slope.

Step 2 – Seeding

Follow directions from seed bag or manufacturer

Step 3 - Staple Selection

Use Staples Consistent with local installation requirements. Product was tested using 6" x 1" crown staples. Options for securing would be: Round-Tops, 6" long x 1" Crown 11 gauge, or Biodegradable staples.

Step 4 - Anchor Trench & Secure Blanket

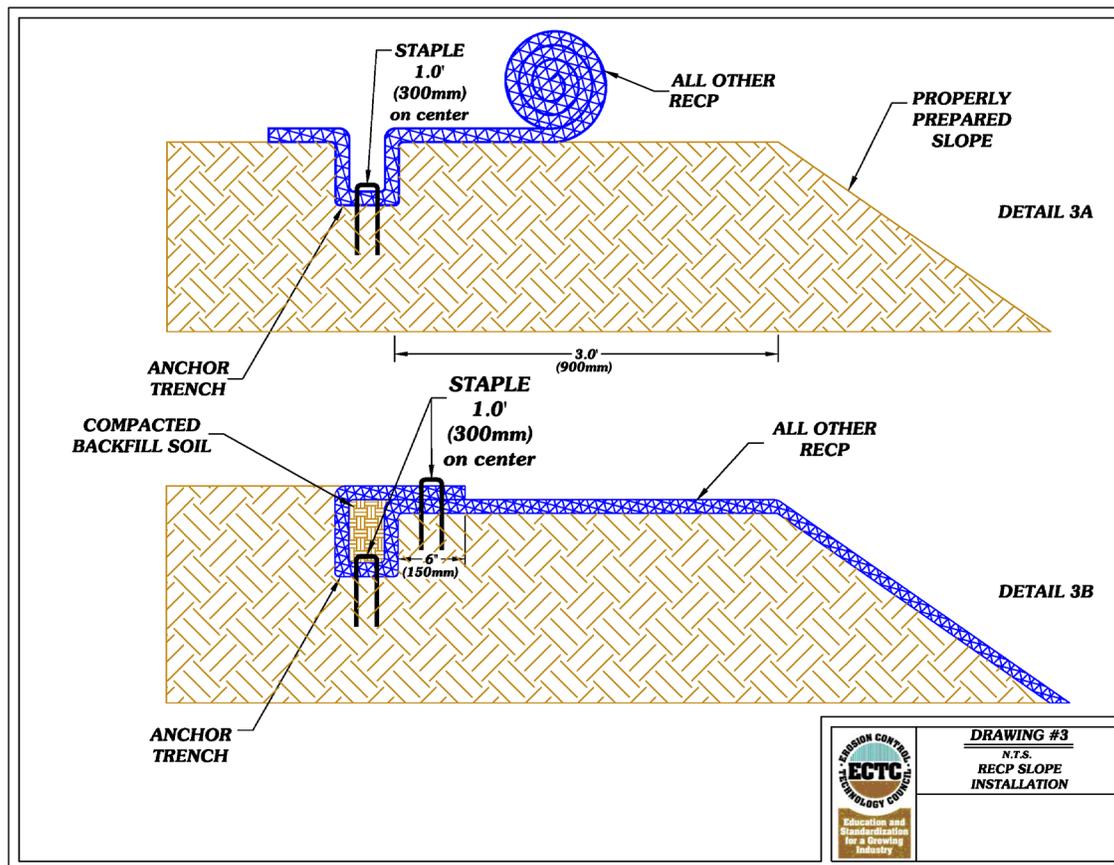
Excavate a trench 5" x 6" on the top edge of slope. Staple blanket along bottom of trench, being sure to leave extra netting to go over trench once filled. Fill trench and compact soil. Fold blanket over trench and secure with staples.

Step 5 - Secure Body of Blanket

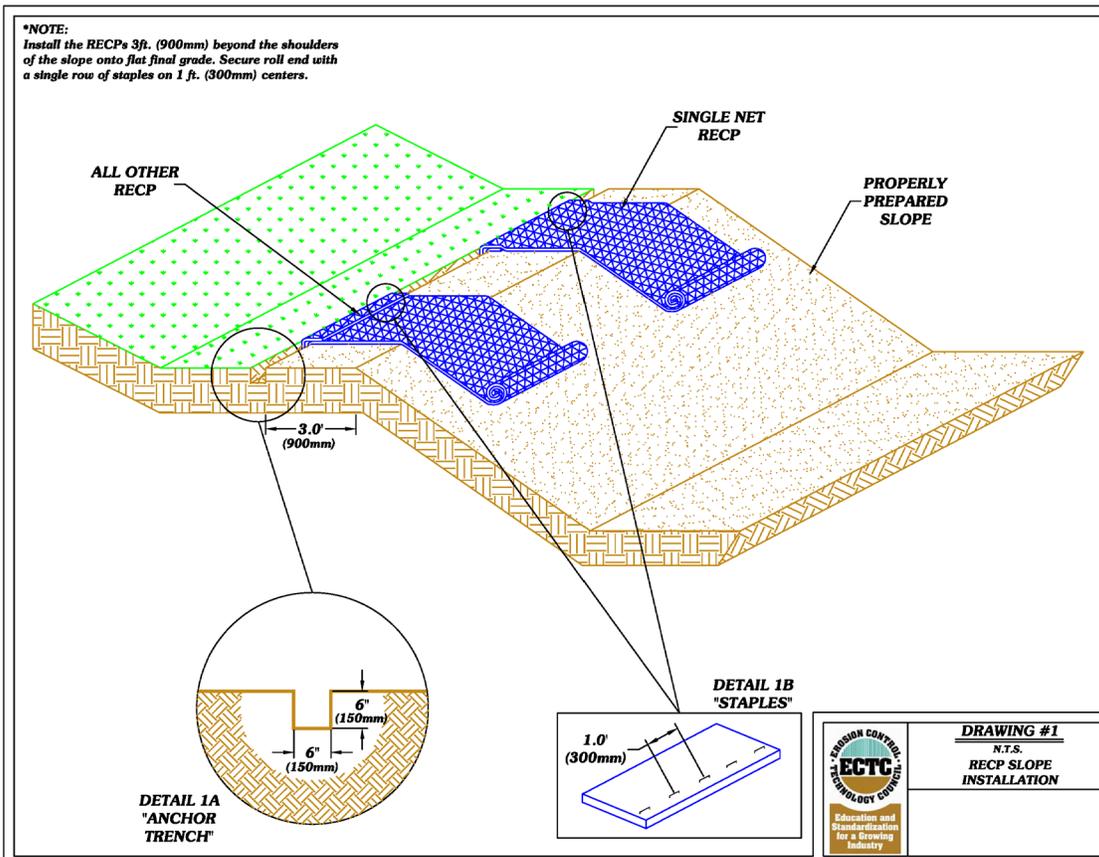
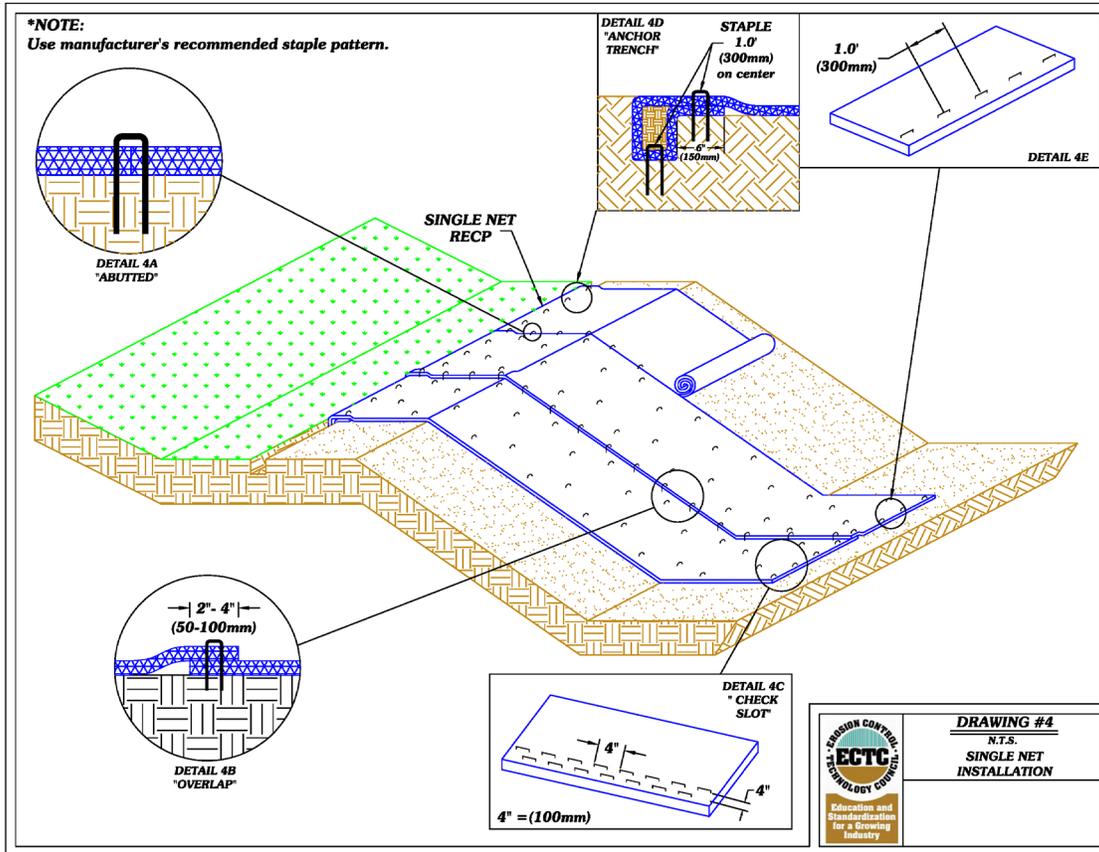
Secure blanket leading and bottom edge every 8" for the entire width of the roll.

Step 6 - Complete Installation

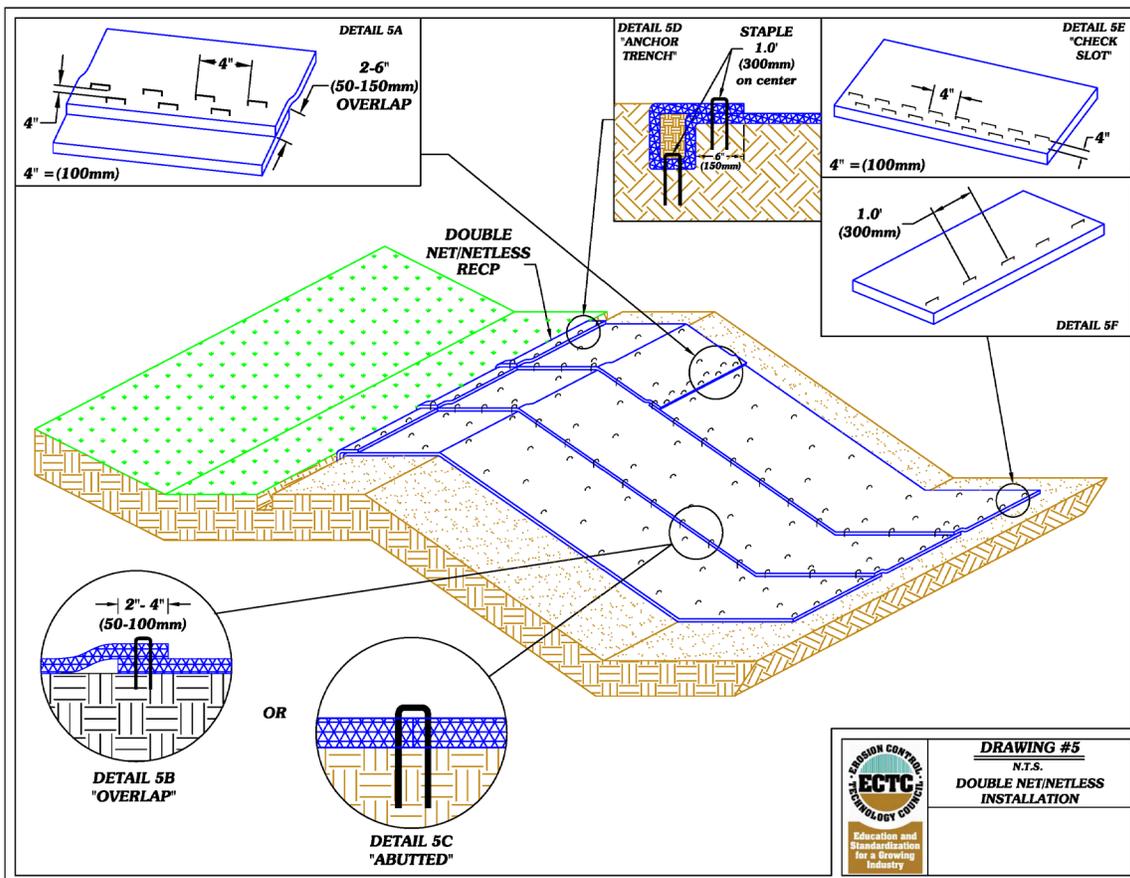
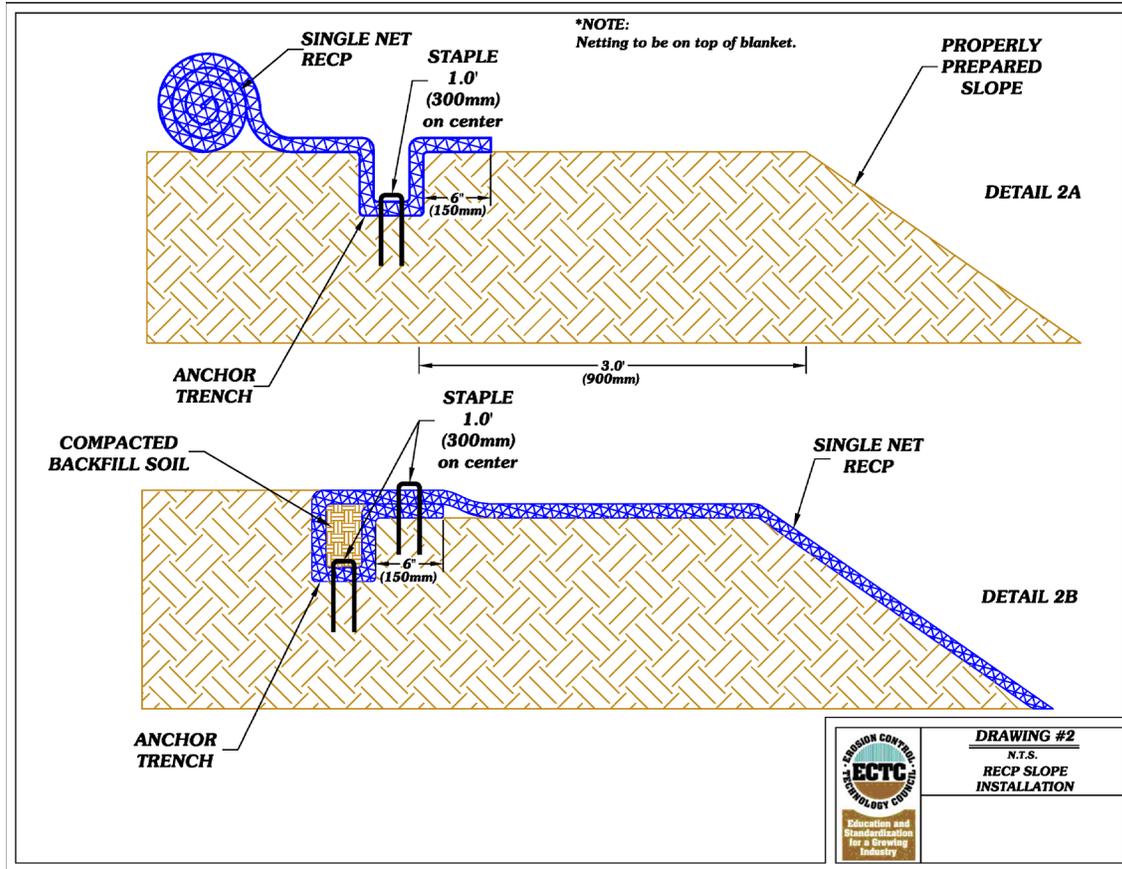
If overlapping rolls along a slope, make sure the upper blanket overlaps the lower blanket by at least 3".



Slope Installation Guidelines



Slope Installation Guidelines



Channel Installation Guide Lines for RECP and TRM's

Supplemental instructions to accompany ET Drawings Entitled RECP and TRM Channel Installation, Drawings 6, 6.1, 7, 8

Step 1: Site Preparation

The first step in installation of RECPs in channels is site preparation. The site should be fine graded to a smooth profile and relatively free from all weeds, clods, stones, roots, sticks, rivulets, gullies, crusting and caking. Fill any voids and make sure the channel is compacted properly.

Step 2: Seeding

Seed the area to be vegetated. Select a seed mix for vegetation adapted to the local geographical area. The seeding types may vary based on the water conditions expected immediately after installation. The types of seeds planted above the anticipated water line may differ from the seed planted below the anticipated water line.

Step 3: RECP Deployment in the Channel Bottom

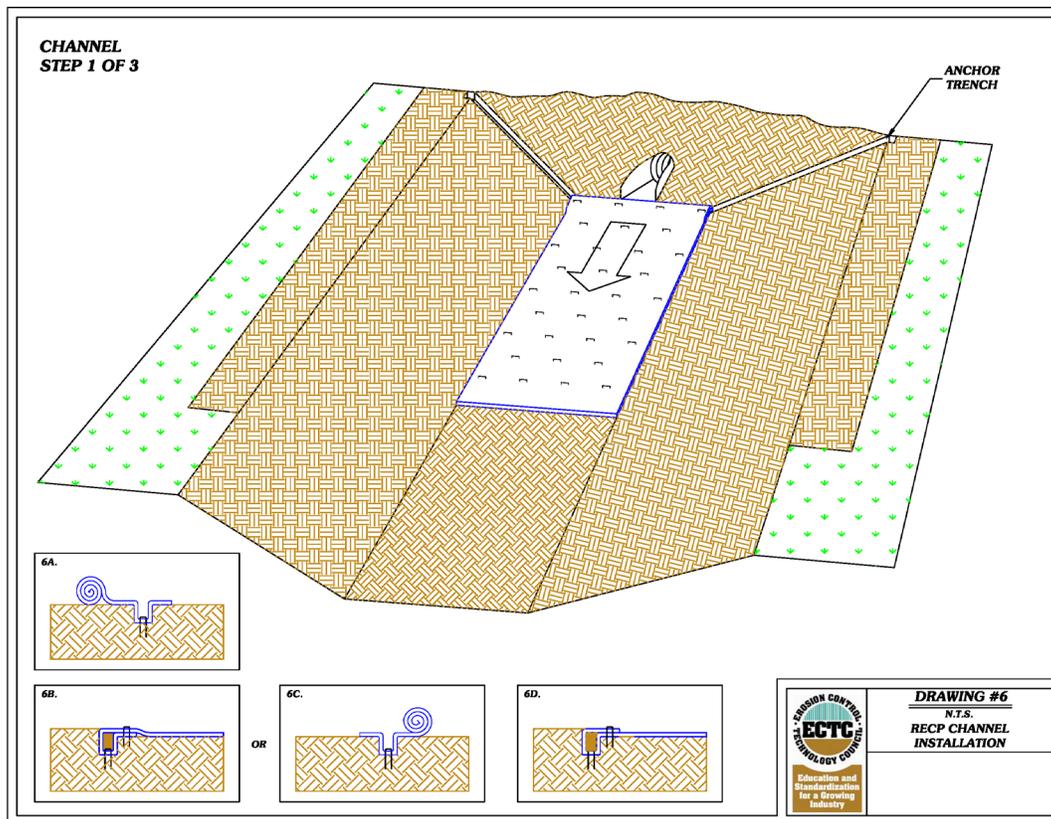
(Refer to Drawing 6 and 6.1) The RECPs should be unrolled in the direction of water flow. First the RECP is deployed in the channel bottom. It is also necessary to prevent a seam from going down the center of the channel bottom or in areas of concentrated water flow.

When installing two RECPs side by side in a waterway the center of the RECP should be centered in the area of concentrated water flow. Install adjoining RECP's away from the center of the channel bottom. If the manufacturer recommends overlapping the RECP, the overlap will generally be two to four inches. Continue to install a common row of staples at two-foot minimums along the length of the offset center overlap.

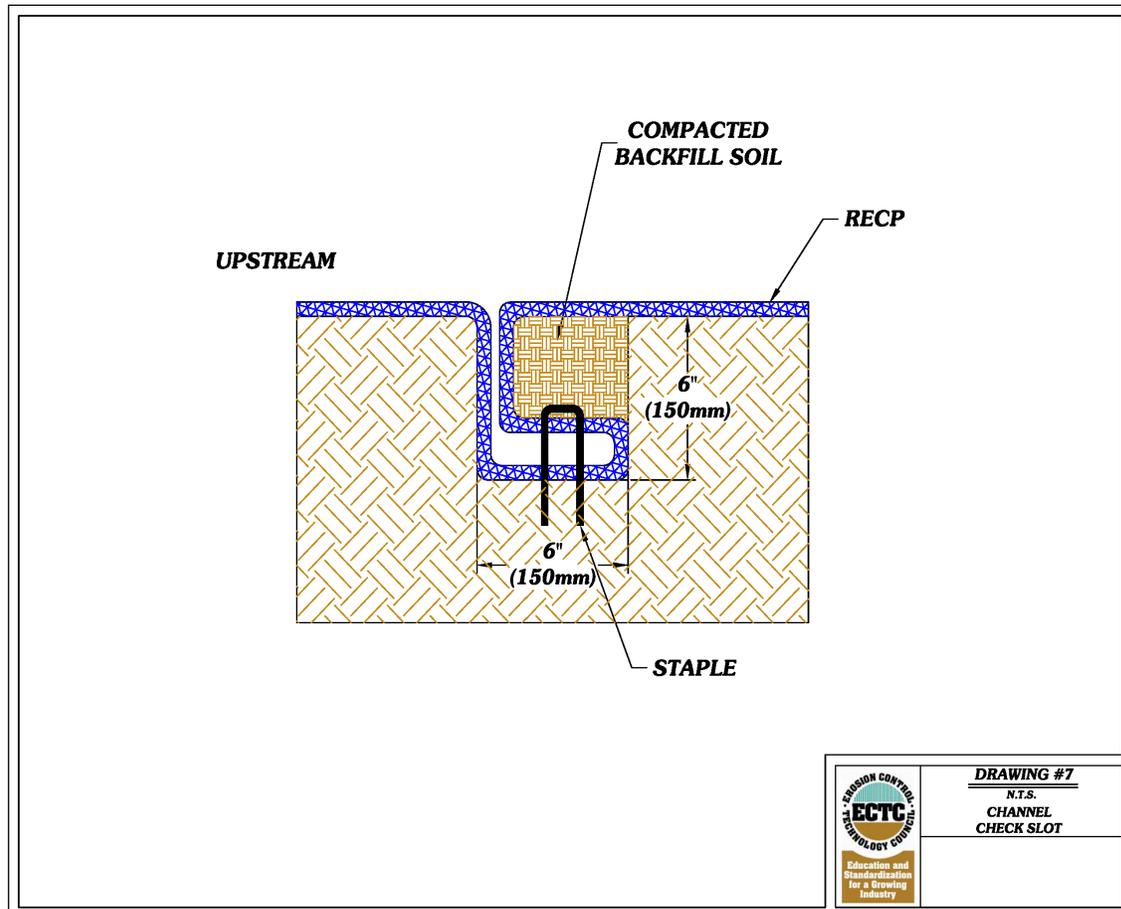
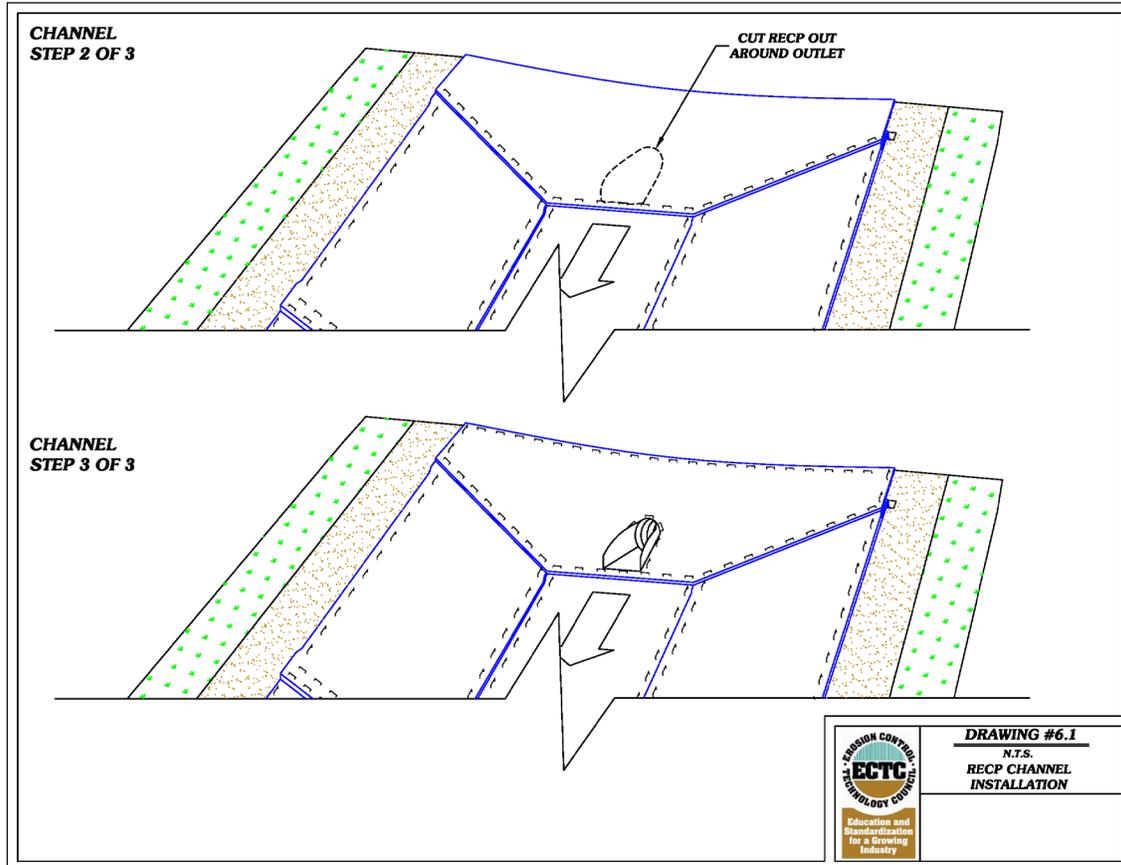
Step 4: Anchor Trench and Secure Blankets

The RECP must be secured at the beginning of the channel. The anchoring method recommended in the Federal Highway Administration's proposed FP-03 Specifications is a six-inch x six-inch check slot is dug perpendicular to the direction of water flow across the entire width of the channel.

The RECP is laid in the check slot with 30 inches of the RECP extending upstream of the check slot. Stake or staple the RECP in the check slot on 12-inch centers. Backfill the anchor trench and compact the soil. Place seed over the compacted soil if necessary. Cover the compacted soil with the remaining 12 inches of the terminal end of the RECP. Staple or stake terminal end down slope of the anchor trench on 12-inch centers. (Refer to Drawings 6, 6.1)(See **Suggested Staple Pattern for Channel Installation** on Page 10)



Channel Installation Guide Lines for RECP and TRM's



Channel Installation Guide Lines for RECP and TRM's

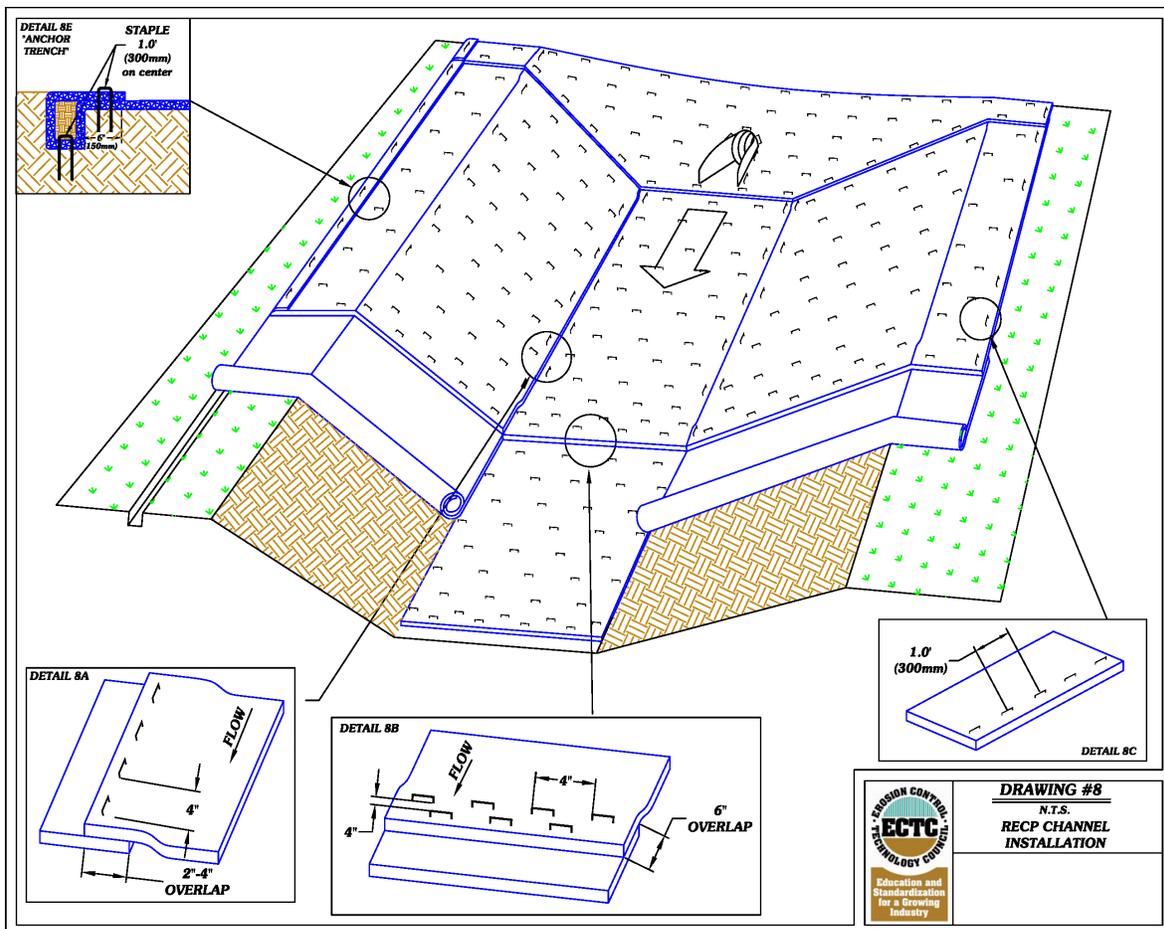
Step 5: Deployment on Side Slopes

Continue to roll the RECP along the channel bottom and side slopes in the direction of the water flow. As the RECP is installed from the channel bottom up the slope a shingle type installation is recommended with the up-slope RECP overlapping the lower RECP approximately two inches to four inches. Anchor the RECPs with a minimum staple pattern of one staple every 24 inches across the width and one staple every 36 inches down its length.

If the RECP needs to be spliced, be sure the RECP is "shingled" with the up-stream RECP overlapping the down-stream RECP. There should be four inches of overlap in a splice. Use a staple check slot to secure the overlap. Anchor the RECP placed at the top of the channel slope in the same manner as described in the slope section. (Refer to Drawing 8)

Step 6: Terminal End

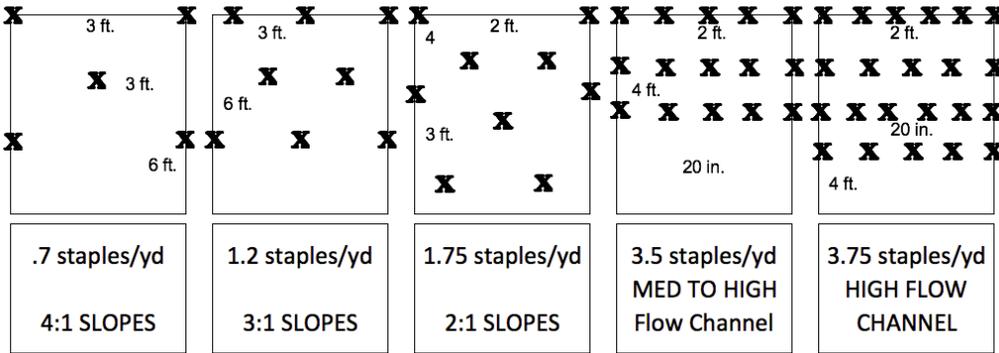
Secure the RECP at the terminal end of the channel with a check slot similar to the one made at the beginning of the channel.



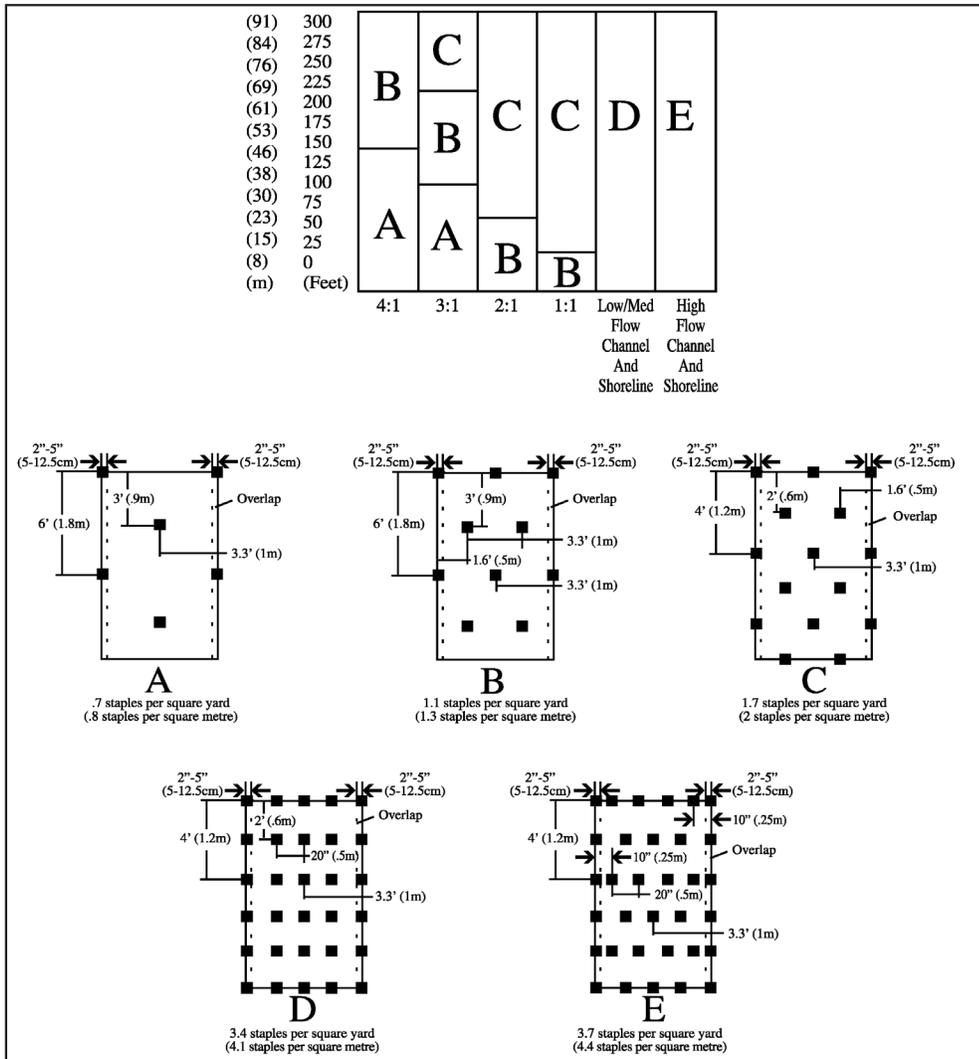
Staple Pattern

1. The choice of staples depends on the compaction of the soil. In general the staples once applied should not easily come out by hand. The standard 6" (150mm) tow sided staple is the norm but in sandier soils an 8"-10" (200mm-250mm double sided staple may be required.
2. In extreme loose soil conditions a 18" (450mm) or longer pin with washers may be necessary to anchor the blanket.

Suggested Staple Pattern for Slope Installation:



Suggested Staple Pattern for Channel Installation:





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Erosion Tech is a National Brand of Erosion Control Blankets,
Turf Reinforcement Matting, and Straw Wattles.