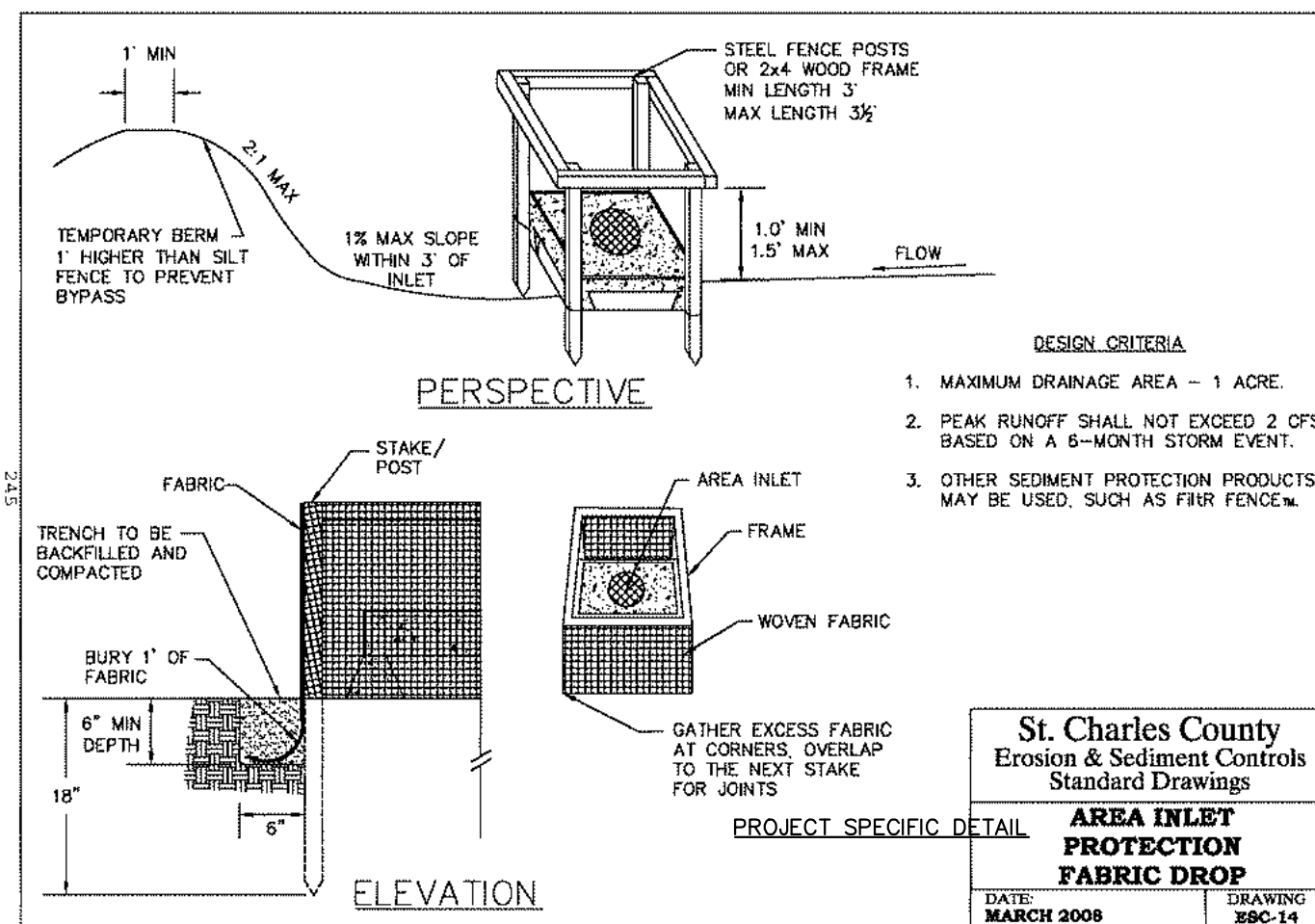


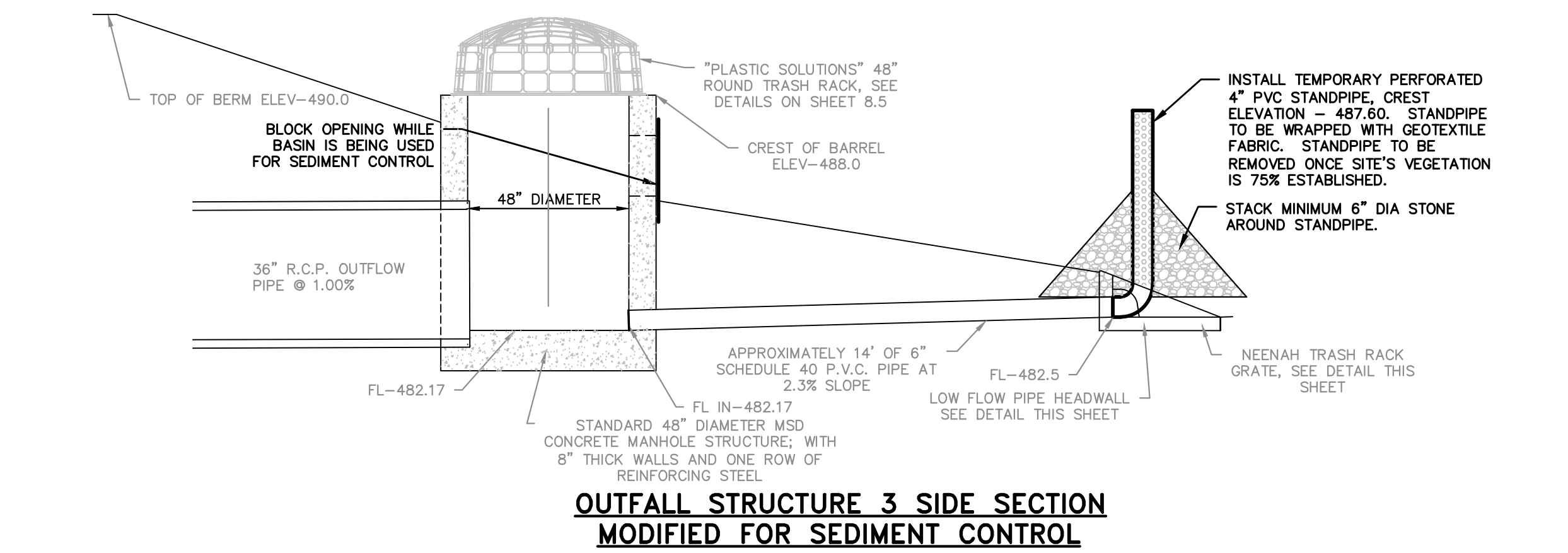
**St. Charles County Erosion & Sediment Controls Standard Drawings**  
**CONSTRUCTION TRAFFIC WASH-OFF PAD**  
 DATE: APRIL 2008 DRAWING: 28C-4



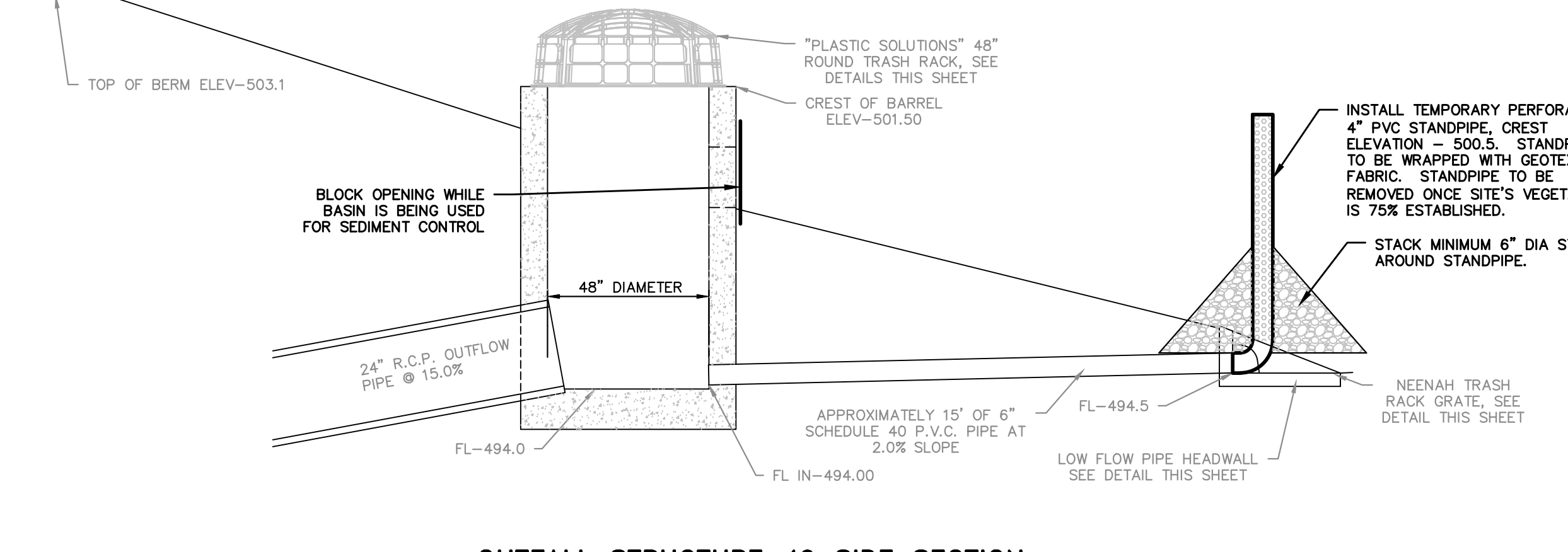
**St. Charles County Erosion & Sediment Controls Standard Drawings**  
**AREA INLET PROTECTION FABRIC DROP**  
 DATE: MARCH 2008 DRAWING: 28C-14

Latin Name	Common Name	Height (ft)	Spread (ft)	Annual Invasive	Color and Mark	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>DRY AREA MIX</b>																	
<i>Andropogon furcatus</i>	Spothead bluestem	1-2	1.5	silver		x	x	x	x	x	x	x	x	x	x	x	x
<i>Andropogon virginicus</i>	Bromesage	1-2	1.5	orange		x	x	x	x	x	x	x	x	x	x	x	x
<i>Solidago canadensis</i>	Solidago grama	1-2	1	tan		x	x	x	x	x	x	x	x	x	x	x	x
<i>Schizachyrium scoparium</i>	Little bluestem	2-3	1.5	bronze		x	x	x	x	x	x	x	x	x	x	x	x
<i>Sporobolus heterostachyus</i>	Prairie dropseed	2-3	1.5	tan		x	x	x	x	x	x	x	x	x	x	x	x
<b>WET AREA MIX</b>																	
<i>Andropogon furcatus</i>	Spothead bluestem	1-2	1.5	orange		x	x	x	x	x	x	x	x	x	x	x	x
<i>Andropogon virginicus</i>	Bromesage	1-2	1.5	orange		x	x	x	x	x	x	x	x	x	x	x	x
<i>Solidago canadensis</i>	Solidago grama	1-2	1	tan		x	x	x	x	x	x	x	x	x	x	x	x
<i>Schizachyrium scoparium</i>	Little bluestem	2-3	1.5	bronze		x	x	x	x	x	x	x	x	x	x	x	x
<i>Sporobolus heterostachyus</i>	Prairie dropseed	2-3	1.5	tan		x	x	x	x	x	x	x	x	x	x	x	x

Section 7: Seed Mix List MSD Seeding Guide Seed: Shorter, less diverse mixes



OUTFALL STRUCTURE 3 SIDE SECTION MODIFIED FOR SEDIMENT CONTROL



OUTFALL STRUCTURE 49 SIDE SECTION MODIFIED FOR SEDIMENT CONTROL

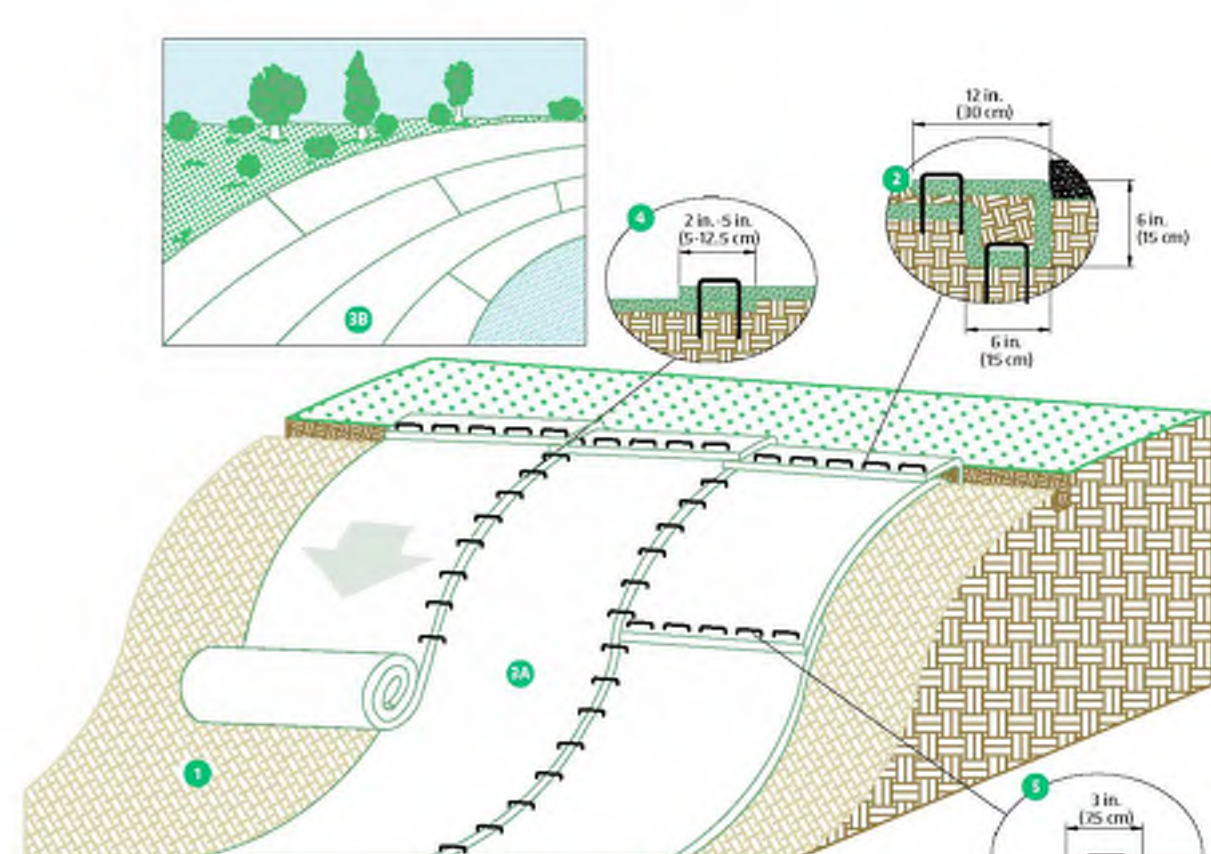


**RollMax Installation Guidelines:**  
 North American Green is the world's leading provider of performance-guaranteed erosion control solutions. For more than 25 years, our line of erosion and sediment control products has kept our customers on solid ground. Our short-term and long-term Erosion Control Blankets (ECBs) and Turf Reinforcement Mats (TRMs) keep you one step ahead of just about any erosion challenge.  
 North American Green provides everything you need to know for quick, accurate erosion control installation tailored to your site. From start to finish, the North American Green® RollMax System® product installation instructions are based on extensive research and field-proven techniques to ensure project success. The following pages offer instructions and guidelines for several scenarios you may encounter during the installation of the RollMax System.

**Installation Made Easy**  
 When under the pressure of severe conditions, even the best erosion control products can't function to their full potential without proper installation and anchoring. North American Green supplies a wide variety of fastener options for nearly every application and soil type.  
 For use in cohesive soils, wire staples are a cost-effective means to fasten RollMax System Rolled Erosion Control Products (RECPs). Available in 6 in., 8 in., 10 in. and 12 in. lengths, our U-shaped staples reach various depths to ensure adequate pull-out resistance. For installation using our handy Pin Pouncer installation tool, 6 in. V-top staples or 6 in. double top pins are available.  
 Our biodegradable BioStakes® are available in 4 in. and 6 in. lengths and provide an environmentally friendly alternative to metal staples. For an even more durable, degradable yet all-natural anchoring option, our wood BioStakes® are available in 6 in., 12 in., 18 in. and 24 in. lengths.

**Slope Installation**

The following slope guide outlines general recommendations for installing RollMax System temporary and/or permanent RECPs on sloping applications. Consult the staple pattern guide (Figure 1) for fastener spacing recommendations based on the slope severity.

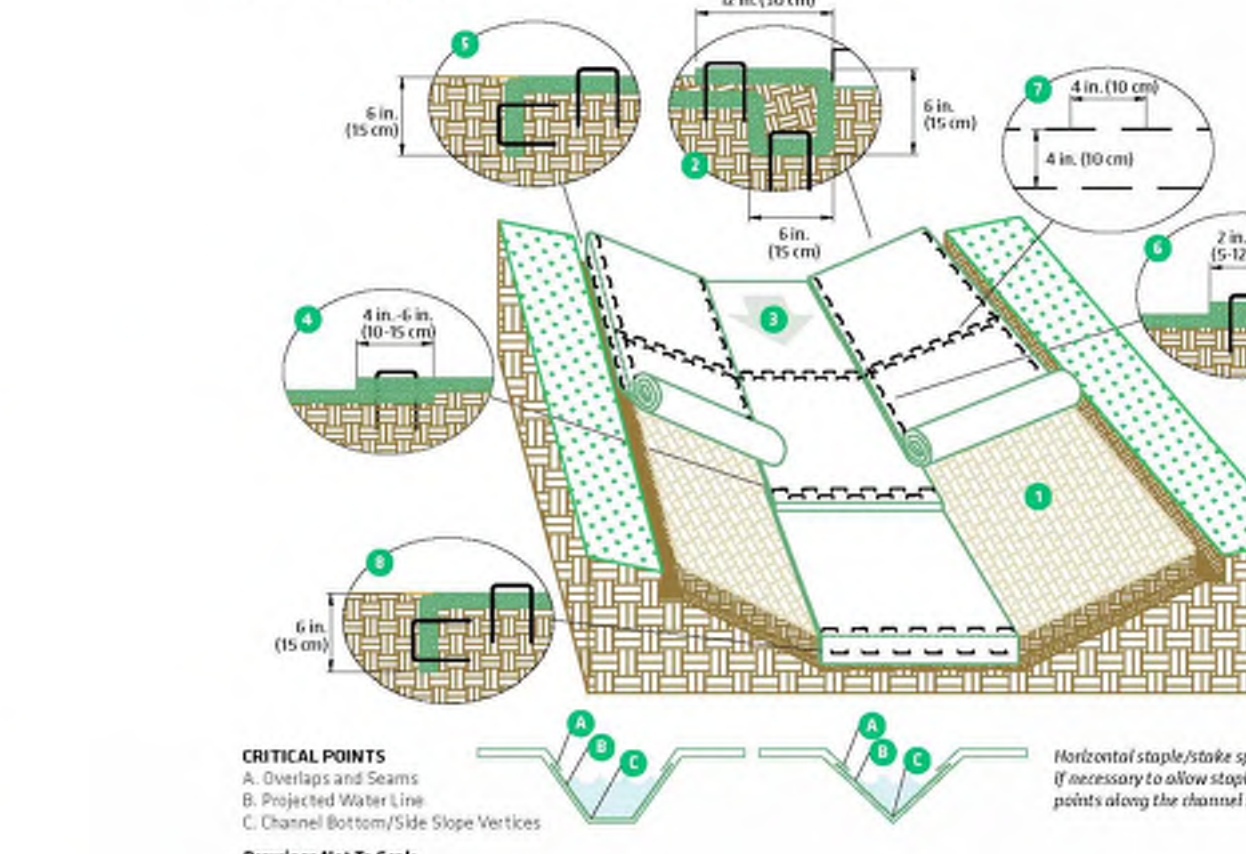


Drawings Not To Scale

- SLOPE INSTALLATION STEPS**
1. Prepare soil before installing RECPs, including any necessary application of lime, fertilizer and seed.
  2. Begin at the top of the slope by anchoring the RECPs in a 6 in. (15 cm) deep x 6 in. (15 cm) wide trench with approximately 12 in. (30 cm) of RECPs extended beyond the upslope portion of the trench. Anchor the RECPs with a row of staples/stakes approximately 12 in. (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12 in. (30 cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes spaced approximately 12 in. (30 cm) apart across the width of the RECPs.
  3. Roll the RECPs (3A) down or (3B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
  4. The edges of parallel RECPs must be stapled with an approximately 2 in. (5 in. (12.5 cm) overlap depending on the RECP type.
  5. Consecutive RECPs spliced down the slope must be end-over-end (single style) with an approximate 3 in. (7.5 cm) overlap. Staple through overlapped area, approximately 12 in. (30 cm) apart across entire RECPs width.\*
- \*NOTE: In adverse soil conditions longer staples/stakes or earth anchors may be necessary to properly secure the RECPs.

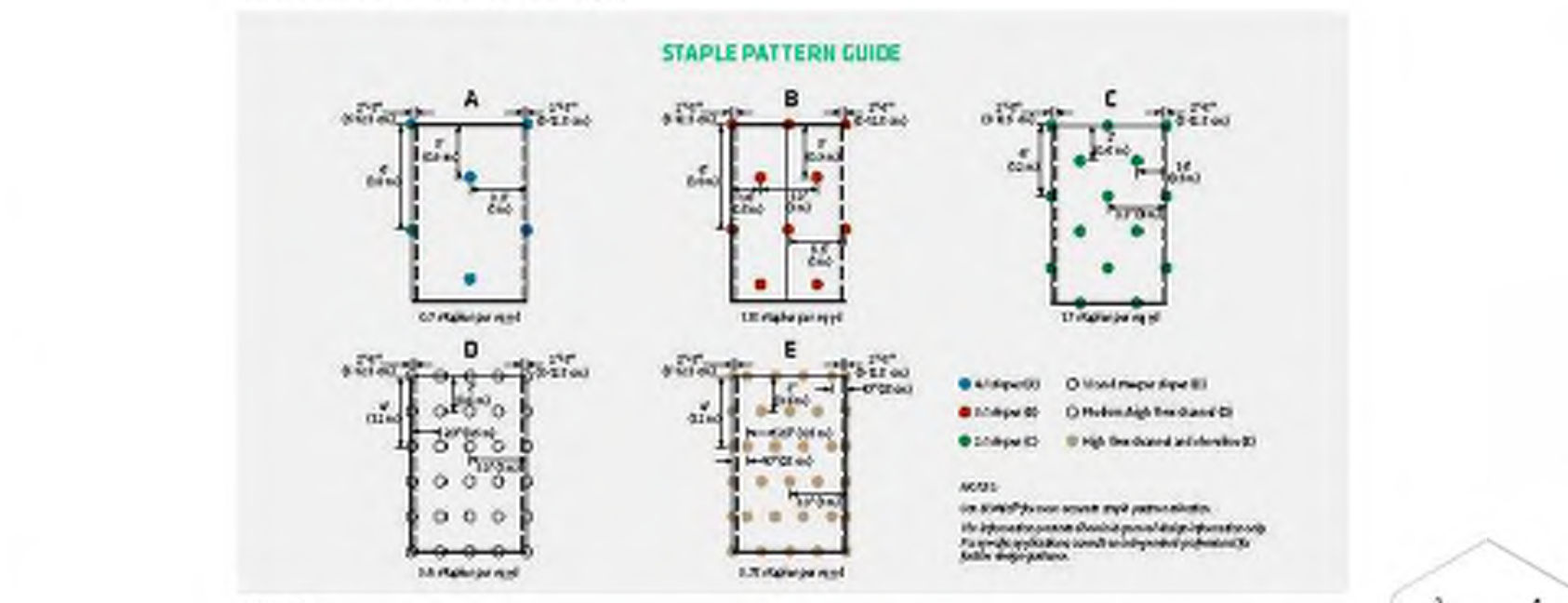
**Channel Installation**

The following channel guide outlines general recommendations for installing RollMax System temporary and/or permanent RECPs in concentrated flow applications. Consult the staple pattern guide (Figure 1) for fastener spacing recommendations based on the channel severity.



Drawings Not To Scale

- CHANNEL INSTALLATION STEPS**
1. Prepare soil before installing RECPs, including any necessary application of lime, fertilizer and seed.
  2. Begin at the top of the channel by anchoring the RECPs in a 6 in. (15 cm) deep x 6 in. (15 cm) wide trench with approximately 12 in. (30 cm) of RECPs extended beyond the upslope portion of the trench. For supplemental scour protection, use RevetMax System ShoreMax® Mat at the channel/culvert outlet as needed. Anchor the RECPs with a row of staples/stakes approximately 12 in. (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12 in. (30 cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes spaced approximately 12 in. (30 cm) apart across the width of the RECPs.
  3. Roll center RECPs in direction of water flow in bottom of channel. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
  4. Place consecutive RECPs end-over-end (single style) with a 4 in. (10-15 cm) overlap. Use a double row of staples staggered 4 in. (10 cm) apart and 4 in. (10 cm) on center to secure RECPs.
  5. Full-length edge of RECPs at top of side slopes must be anchored with a row of staples/stakes approximately 12 in. (30 cm) apart in a 6 in. (15 cm) deep x 6 in. (15 cm) wide trench. Backfill and compact the trench after stapling.
  6. Adjacent RECPs must be overlapped approximately 2 in. (5 in. (12.5 cm) (depending on RECP type) and staple\* 7 in. (18 cm) intervals. Use a double row of staples staggered 4 in. (10 cm) apart and 4 in. (10 cm) on center over entire width of the channel.
  7. In high flow channel applications a staple check-staple is recommended at 30 to 40 ft (9-12 m) intervals. Use a double row of staples staggered 4 in. (10 cm) apart and 4 in. (10 cm) on center over entire width of the channel.
  8. The terminal end of the RECPs must be anchored with a row of staples/stakes approximately 12 in. (30 cm) apart in a 6 in. (15 cm) deep x 6 in. (15 cm) wide trench. Backfill and compact the trench after stapling.
- \*NOTE: In adverse soil conditions longer staples/stakes or earth anchors may be necessary to properly secure the RECPs.



**NA GREEN SC150BN ECB INSTALLATION GUIDELINES**

PROJECT SPECIFIC DETAIL

PROJECT TITLE  
**BROOKSIDE FOREST**  
 OTTALON, MISSOURI

THE **STERLING** CO.  
 ENGINEERS & SURVEYORS  
 5065 New Baumgartner Road  
 St. Louis, Missouri 63129  
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 www.mcbrooksidehomes.com

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 City No.  
 Date: Nov. 7, 2017  
 Job No. 16-09-274  
 Page No.

**3.6**  
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