



# Slope Installation

Instructions PP5-Xtreme™

## Step 1 - Site Preparation

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

## Step 2 - Seeding

Seeding of site should be conducted to design requirements or to follow local or state seeding requirements as necessary.

## Step 3 - Staple Selection

At a minimum, 6 in. long by 1 in. crown, 11 gauge staples are to be used to secure the blanket to the ground surface. Installation in rocky, sandy or other loose soil may require longer staples.

## Step 4 - Excavate Anchor Trench and Secure Blanket

Excavate a trench along the top of the channel side slopes and the upstream terminal end of the channel to secure the edges of the blanket. The trench should run along the length and width of the installation, be 6 in. wide and 6 in. deep. Staple blanket along bottom of trench, fill with compacted soil, overlap blanket towards toe of slope and secure with row of staples (shown in Figures A, E and F).

## Step 5 - Secure Body of Blanket

Roll blanket down slope from anchor trench. Staple body of blanket following the pattern shown in Figure D. Leave end of blanket unstapled to allow for overlap shown in Figure B. Place downstream blanket underneath upstream blanket to form shingle pattern. Staple seam as shown in Figure E. Secure downstream blanket with stapling pattern shown in Figure D. Stapling pattern shown in Figure D reflects minimum staples to be used. More staples may be required to ensure blanket is sufficiently secured to resist mowers and foot traffic and to ensure blanket is in contact with soil surface over the entire area of blanket. Further, critical points require additional staples. Critical points are identified in Figure G.

## Step 6 - Continue Along Slope - Complete Installation

Overlap adjacent blankets as shown in Figure C and repeat Step 5. Secure toe of slope using stapling pattern shown in Figure E. Secure edges of installation by stapling at 1.0' intervals along the terminal edge, as shown in Figure E.

\* Drawings Not to Scale

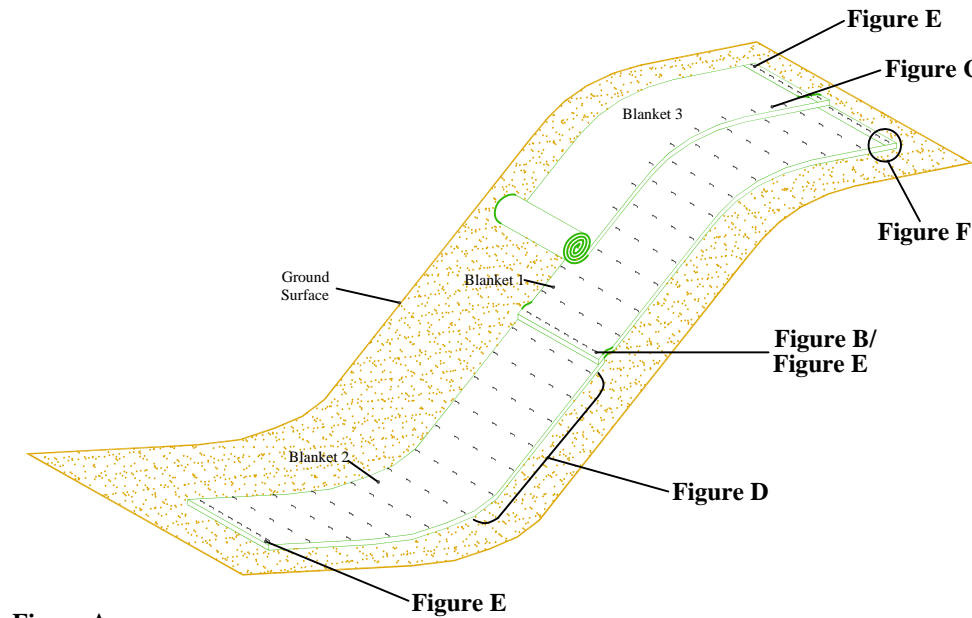


Figure A

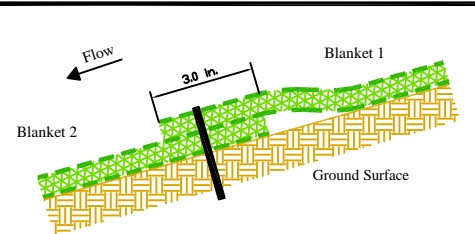


Figure B - Profile View

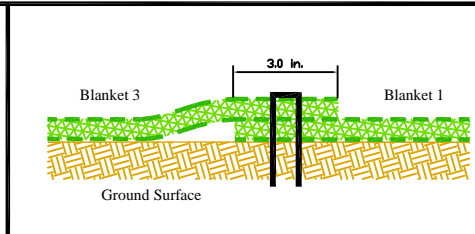


Figure C - Cross Section View

## Product Application/Equivalency Specifications

PP5-Xtreme is produced by Western Excelsior and consists of a permanent Rolled Erosion Control Product (RECP) comprised of UV stable synthetic yarns continuously woven into a three-dimensional profile. PP5-Xtreme is designed and manufactured to provide immediate erosion control and permanent turf reinforcement and is comprised of physical properties sufficient to provide the intended longevity and performance. Additionally, PP5-Xtreme is constructed to yield a high tensile strength, high durability material. Product specifications may be found on document WE\_EXCEL\_PPXT\_SPEC and performance information may be found on document WE\_EXCEL\_PPXT\_PERF. All documents are available from Western Excelsior Technical Support or [www.westernexcelsior.com](http://www.westernexcelsior.com). Additional to above, equivalent products to PP5-Xtreme must meet identical criteria as PP5-Xtreme as follows:

1. Consist of woven synthetic yarns to form a high strength, interlocking three-dimensional matrix.
2. Sufficient tensile strength, thickness and coverage to maintain integrity during installation and ensure material performance. Provide permanent turf reinforcement with longevity greater than three years, immune from moisture damage or chemical conditions within the soil.
3. Listing within AASHTO NTPEP database.
4. Meet ECTC specification for category 5C product.

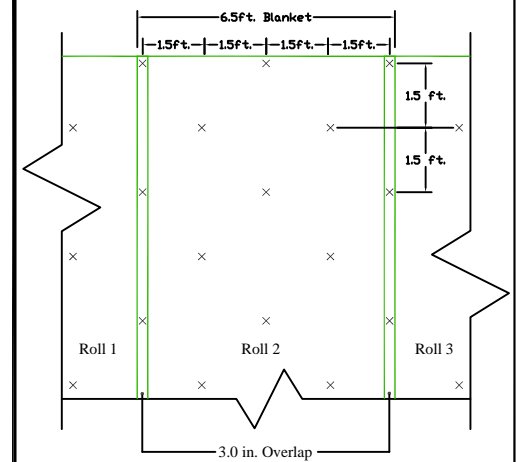


Figure D - Plan View × - Denotes Staple Locator

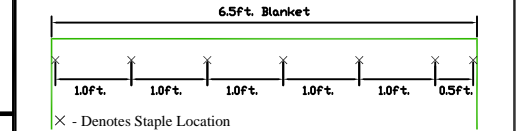


Figure E - Plan View

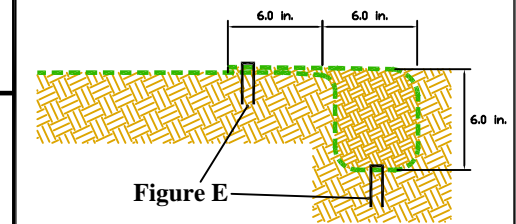


Figure F - Profile View

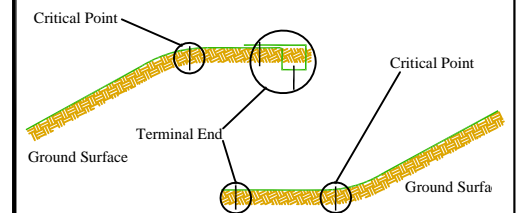


Figure G - Critical Point Securing



# Channel Installation Instructions PP5-Xtreme™

\* Drawings Not to Scale

## Step 1 - Site Preparation

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

## Step 2 - Seeding

Seeding of site should be conducted to design requirements or to follow local or state seeding requirements as necessary.

## Step 3 - Staple Selection

At a minimum, 6 in. long by 1 in. crown, 11 gauge staples are to be used to secure the blanket to the ground surface. Installation in rocky, sandy or other loose soil may require longer staples.

## Step 4 - Excavate Anchor Trench and Secure Blanket

Excavate a trench along the top of the channel side slopes and the upstream terminal end of the channel to secure the edges of the blanket. The trench should run along the length and width of the installation, be 6 in. wide and 6 in. deep. Staple blanket along bottom of trench, fill with compacted soil, overlap blanket towards toe of slope and secure with row of staples (shown in Figures A, E and F).

## Step 5 - Secure Body of Blanket

Roll blanket down slope from anchor trench. Staple body of blanket following the pattern shown in Figure D. Leave end of blanket unstapled to allow for overlap shown in Figure B. Place downstream blanket underneath upstream blanket to form shingle pattern. Staple seam as shown in Figure E. Secure downstream blanket with stapling pattern shown in Figure D. Stapling pattern shown in Figure D reflects minimum staples to be used. More staples may be required to ensure blanket is sufficiently secured to resist mowers and foot traffic and to ensure blanket is in contact with soil surface over the entire area of blanket. Further, critical points require additional staples. Critical points are identified in Figure G.

## Step 6 - Continue Along Slope - Complete Installation

Overlap adjacent blankets as shown in Figure C and repeat Step 5. Secure toe of slope using stapling pattern shown in Figure E. Secure edges of installation by stapling at 1.0' intervals along the terminal edge, as shown in Figure E.

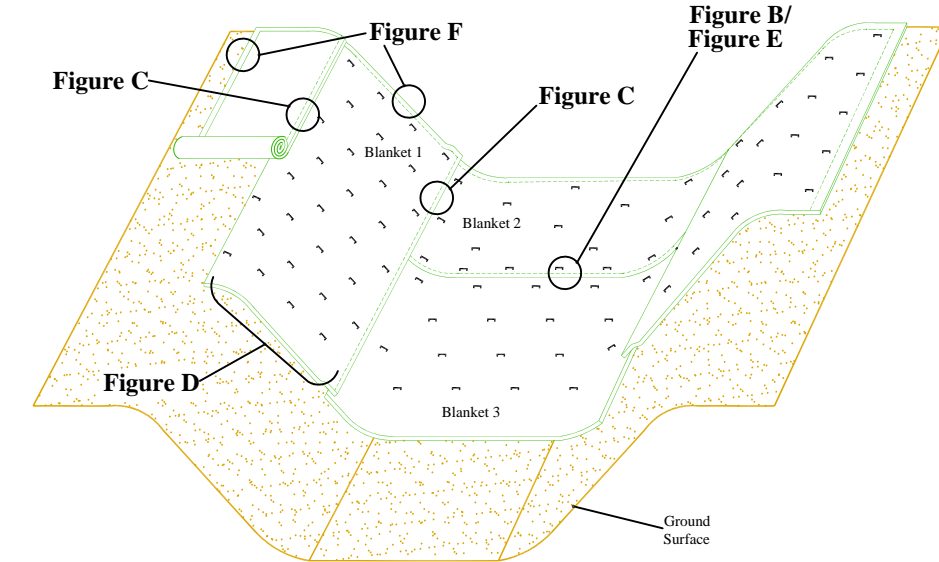


Figure A

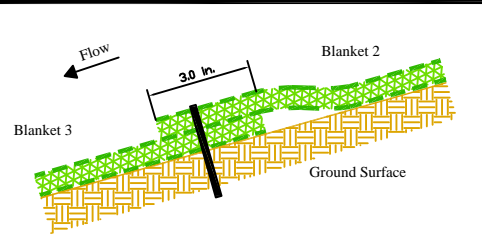


Figure B - Profile View

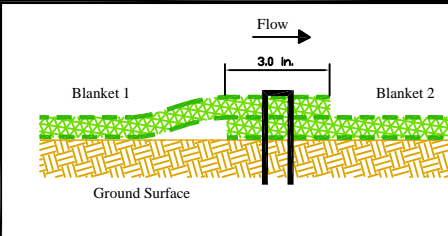


Figure C - Cross Section View

## Product Application/Equivalency Specifications

PP5-Xtreme is produced by Western Excelsior and consists of a permanent Rolled Erosion Control Product (RECP) comprised of UV stable synthetic yarns continuously woven into a three-dimensional profile. PP5-Xtreme is designed and manufactured to provide immediate erosion control and permanent turf reinforcement and is comprised of physical properties sufficient to provide the intended longevity and performance. Additionally, PP5-Xtreme is constructed to yield a high tensile strength, high durability material. Product specifications may be found on document WE\_EXCEL\_PPXT\_SPEC and performance information may be found on document WE\_EXCEL\_PPXT\_PERF. All documents are available from Western Excelsior Technical Support or [www.westernexcelsior.com](http://www.westernexcelsior.com). Additional to above, equivalent products to PP5-Xtreme must meet identical criteria as PP5-Xtreme as follows:

1. Consist of woven synthetic yarns to form a high strength, interlocking three-dimensional matrix.
2. Sufficient tensile strength, thickness and coverage to maintain integrity during installation and ensure material performance. Provide permanent turf reinforcement with longevity greater than three years, immune from moisture damage or chemical conditions within the soil.
3. Listing within AASHTO NTPEP database.
4. Meet ECTC specification for category 5C product.

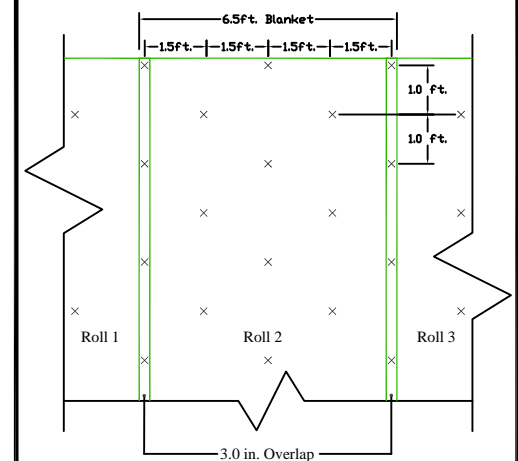


Figure D - Plan View × - Denotes Staple Location

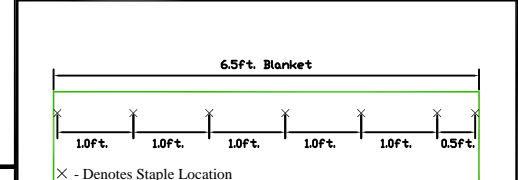


Figure E - Plan View

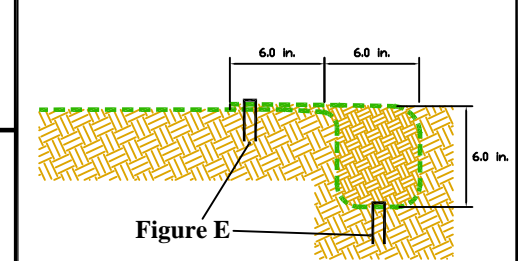


Figure E

Figure F - Profile View

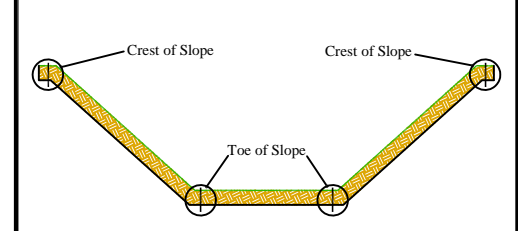


Figure G - Critical Point Securing