

# SMARTFENCE PL36

SEDIMENT & PERIMETER CONTROL

## INSTALLATION INSTRUCTIONS

**STEP 1:** Excavate trench a maximum of 2" wide and 4" deep. The trench shall be hand-cleaned following excavation to remove bulky debris such as rocks, sticks, and soil clods from the trench. Drive hardwood posts, having minimum 1" x 2" cross-section dimensions and minimum 48" long, (58" preferred) into the ground. Drive post into ground a minimum of 16" depth (26 inches for 58" post). Post spacing must be no greater than 6 ft maximum.

**STEP 2:** Layout SMARTfence® PL36 along proposed fence line next to anchor trench. Locate one end of the SMARTfence® PL36 and position near the initial post. Position SMARTfence® PL36 vertically along the initial post.

**STEP 3:** For the initial post, place the end of SMARTfence® PL36 along the post height and rotate the post 360 degrees, maintaining tension on the fence system. Secure the fence to the post using heavy-duty wire staples (having ½ inch length and 1" width) at the two (2) orange-colored band locations and at a location halfway between the two orange bands (minimum 3 attachment locations). Alternate staples may be used of a size and type as approved by the State DOT.

**STEP 4:** Drive the initial post with the attached fence into the ground to a minimum 16" depth (minimum 26" depth for 58" posts).

**STEP 5:** Drive the interior posts of the fence system into the ground at least 16" (minimum 26" depth for 58" posts).

**STEP 6:** Move to the next post while pulling SMARTfence® PL36 tightly. Position the SMARTfence® PL36 in front of the adjacent post in preparation for fastening the fence to the post. Secure the fence to the post using staples at the two (2) orange-colored band locations and at a location halfway between the two orange bands (minimum 3 attachment locations) as instructed in Step 3. Drive post of the fence system into the ground at least 16" (minimum 26" depth for 58" posts).

**STEP 7:** After the interior posts have been fastened to the SMARTfence® PL36, secure the fence to the final post by pulling the final section of fencing taut, then rotating the post 360 degrees, maintaining tension on the fence system. Secure the fence to the post using staples at the two (2) orange-colored band locations and at a location halfway between the two orange bands (minimum 3 attachment locations) as instructed in Step 3. Drive the final post into the ground to 16" depth (minimum 26" depth for 58" posts).

**STEP 8:** Place bottom 6 inches of fabric vertically into the trench (no "L"-shaped anchor required). Backfill trench (overfill) with soil placed around fabric. Compact soil backfill with either manual tamping (or other manual means) or via mechanical equipment such as the front wheel of a tractor, skid steer, roller, or other device (per Note 5 of ASTM D 6462 *Standard Practice for Silt Fence Installation*). Do not damage the fabric during compaction (damaged fabric shall be replaced).

### SPLICING

The splicing of adjacent sections of SMARTfence shall follow the requirements of Tennessee Department of Transportation (TDOT) Standard Drawing EC-STR-3E. The TDOT-developed standard for EC-STR-3E is attached.

### INSTALLATIONS ACROSS DRAINAGE DITCHES AND SWALES

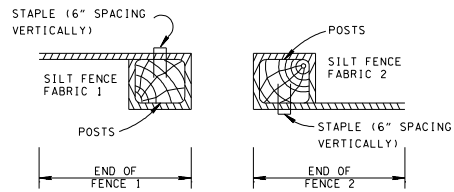
Placement of SMARTfence® PL36 across drainage channels and swales is not recommended. For silt fence placement across drainage channels and swales, use SMARTfence® 42, with 2 to 4 ft. (maximum) post spacing.

Please contact our team at (866)-426-3357 with any questions regarding the installation process.

**SMARTfence® PL36 is 100% American Made and is NTPEP Compliant.**

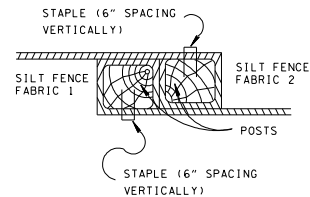
REV. 4-15-06: REFORMATTED SHEET, REVISED NOTES, MISC. EDITS TO DRAWING.  
 REV. 4-1-08: MISC. EDITS TO DRAWING, CHANGED DRAWING NAME, REFORMATTED SHEET.

STEP 1

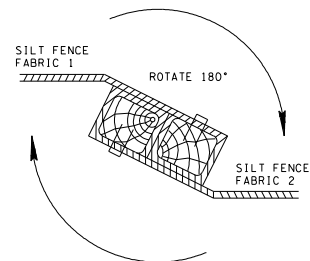


- ① WRAP FABRIC AROUND END SUPPORTS AS SHOWN AND ANCHOR FABRIC TO POSTS.
- ② POSITION POSTS/FABRIC AS SHOWN ABOVE.

STEP 2



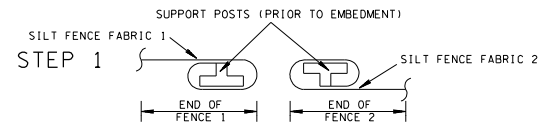
STEP 3



- ① ROTATE BOTH POSTS WITH FABRIC CLOCKWISE AT LEAST 180°.
- ② EMBED BOTH POSTS INTO GROUND PER SILT FENCE STANDARD DRAWING EC-STR-3B.

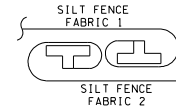
**PLAN VIEW**  
 JOINING SILT FENCE  
 FABRIC SECTIONS (WOOD POSTS)

STEP 1



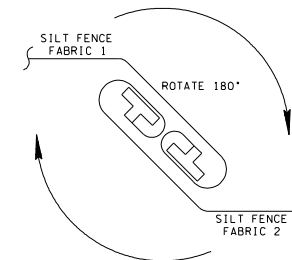
- ① WRAP FABRIC AROUND END SUPPORTS AS SHOWN AND ANCHOR FABRIC TO POSTS.
- ② POSITION POSTS/FABRIC AS SHOWN ABOVE.

STEP 2



- ① POSITION THE SILT FENCE FABRIC 2 POST INSIDE OF THE SILT FENCE FABRIC 1 POST AS SHOWN ABOVE.

STEP 3



- ① ROTATE BOTH POSTS WITH FABRIC CLOCKWISE AT LEAST 180°.
- ② EMBED BOTH POSTS INTO GROUND PER APPLICABLE SILT FENCE STANDARD DRAWING (EC-STR-3B, EC-STR-3C, OR EC-STR-3D)

**PLAN VIEW**  
 JOINING SILT FENCE  
 FABRIC SECTIONS (STEEL POSTS)

MINOR REVISION -- FHWA  
 APPROVAL NOT REQUIRED.

STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

SILT FENCE  
 FABRIC JOINING  
 DETAILS

12-18-02 EC-STR-3E