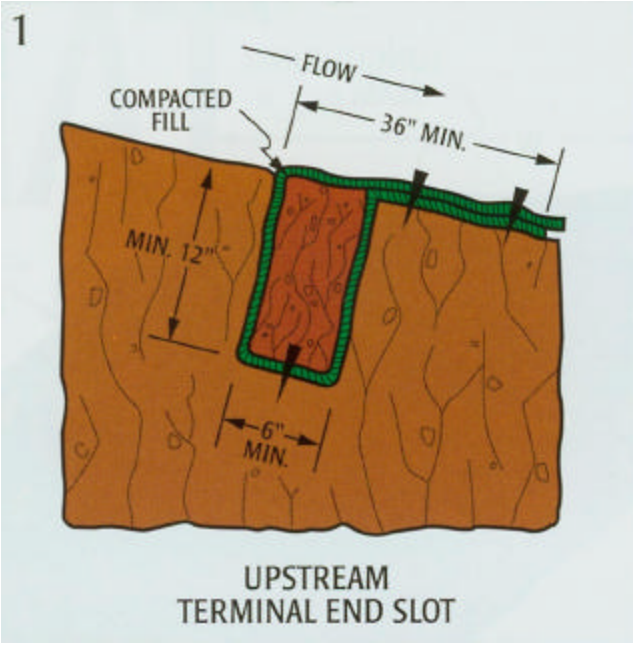
PEC-MAT
JOB SITE GUIDE

SITE PREPARATION

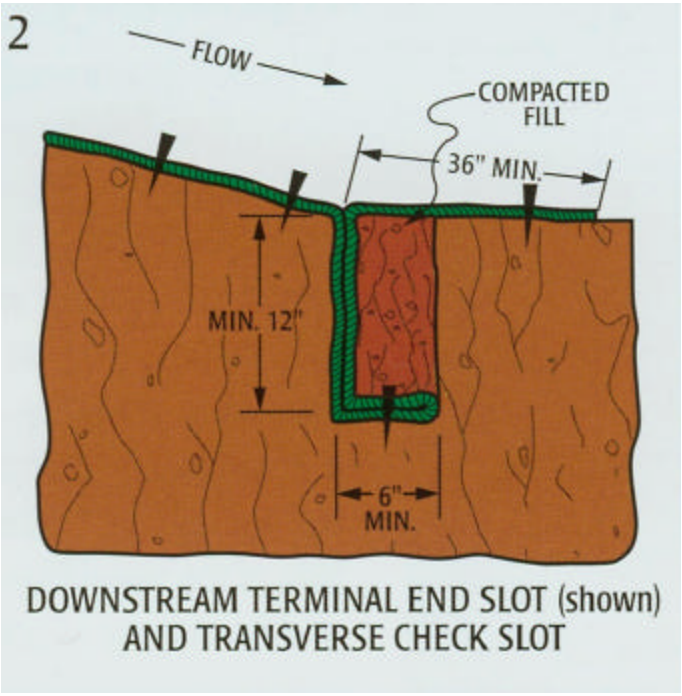
- If possible, redirect runoff away from the ditch or slope during installation.
- Grade surface of installation area, shaping and smoothing the soil. Fill in all holes with an appropriate fill material and compact.
- Trenches for terminal slots and check slots should be prepared perpendicular to the flow and in a minimum of 6 in. wide x 12 in. deep. Width and depth to increase per design requirements of the project engineer based on specific project soil characteristics and conditions.
- Dress site by removing rocks, dirt clumps, stumps, trash, vehicle imprints and other debris or protrusions which could prevent mat from lying flush with the soil surface.
- Fertilize and seed before installing mat, or hydro-seed after installation.

MAT INSTALLATION

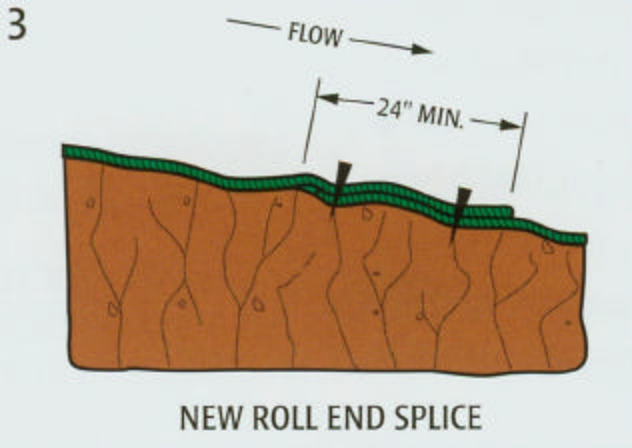
- Begin installing mat at the upstream terminal slot and at the center of the site low point. Snugly fit and stake mat into upstream terminal slot, back fill over mat, and firmly compact with a tamper (See Illustration 1).
- Roll mat downstream, making sure that it conforms to the ground and is not in tension.
- Transverse check slots should be a minimum of 6 inches wide x 12 inches deep, and installed every 15 – 25 feet.



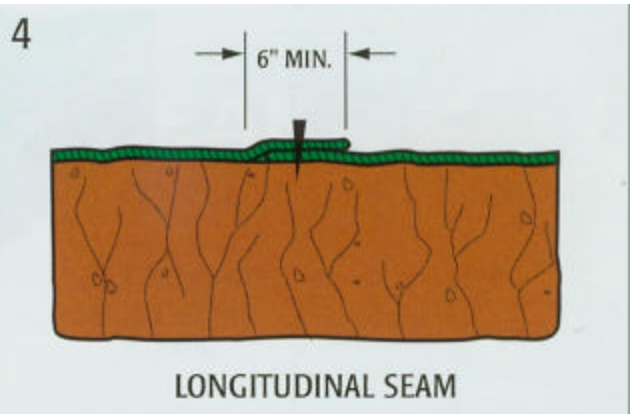
- Transverse check slots and downstream terminal end slots should be installed as shown in Illustration 2. Double layer the mat snugly over the bottom and upstream wall of the slot, back fill and compact with tamper.



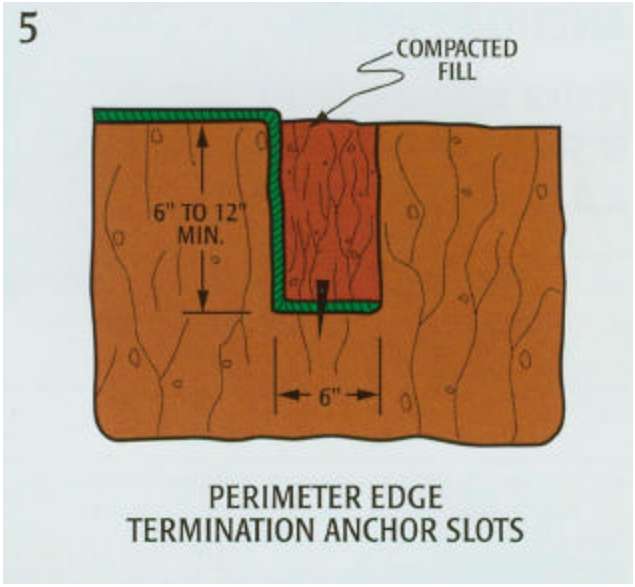
- Always stake PEC-MAT at three locations across the bottom of any slot.
- When splicing in a new roll that doesn't coincide with a transverse check slot, use a 2 ft. overlap and shingle downstream. (Illustration 3)



- Longitudinal seams should be shingled downstream and overlapped a minimum of 6 in. (Illustration 4)



- Perimeter edges of all PEC-MAT installations should be terminated as shown in Illustration 5. Stake the mat at the bottom of the slot on 2 ft. centers.



ANCHORING OPTIONS

- Staples should be 11 gauge steel and a minimum of 1 in. wide x 6 in. long.
- Steel Pins should be 3/16 in. diameter x 19 in. long with a 2 in. diameter washer head.
- Wooden stakes should be nominal 1 in. x 4 in. triangular survey stake and 10 to 12 in. in length. The 4 in. dimension should run parallel to the flow.
- The proper anchoring device should be determined by the project engineer, based on soil type and water velocity.

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