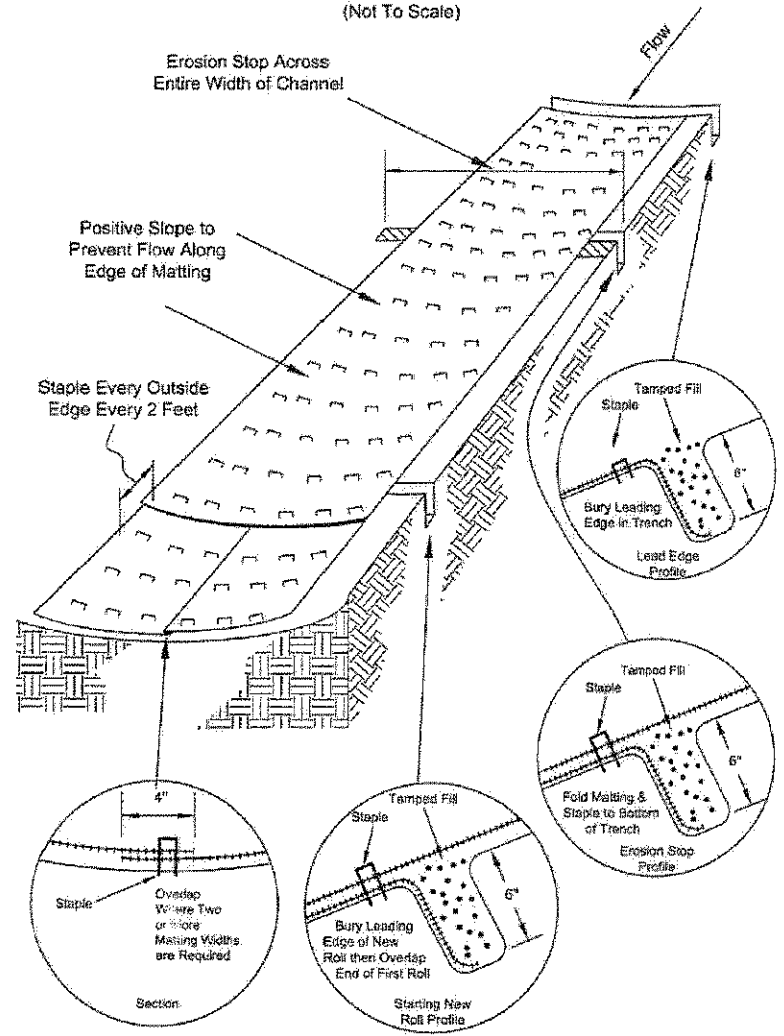


Specifications  
for  
**Turf Reinforcement Matting**



Specifications  
for  
**Turf Reinforcement Matting**

1. Channel/Slope Soil Preparation Grade and compact area of installation, preparing seedbed by loosening 2"-3" of topsoil above final grade. Incorporate amendments such as lime and fertilizer into soil. Remove all rocks, clods, vegetation or other debris so that installed TRM will have direct contact with the soil surface.
2. Channel/Slope Seeding Apply seed to soil surface prior to installation. All check slots, anchor trenches, and other disturbed areas must be reseeded. Refer to the Permanent Seeding specification for seeding recommendations.
3. Slope Installation  
Excavate top and bottom trenches (12"x6"). Intermittent erosion check slots (6"x6") may be required based on slope length. Excavate top anchor trench 2' x 3' over crest of the slope.
4. If intermittent erosion check slots are required install TRM in 6"x6" slot at a maximum of 30' centers or the mid point of the slope. TRM should be stapled into trench on 12" centers.
5. Install TRM in top anchor trench, anchor on 12" spacings, backfill and compact soil.
6. Unroll TRM down slope with adjacent rolls overlapped a minimum of 3". Anchor the seam every 18". Lay the TRM loose to maintain direct soil contact, do not pull taught.
7. Overlap roll ends a minimum of 12" with upslope TRM on top for a shingle effect. Begin all new rolls in an erosion check slot if required, double anchor across roll every 12".
8. Install TRM in bottom anchor trench (12"x6"), anchor every 12". Place all other staples throughout slope at 1 to 2.5 per square yard dependant on slope. Refer to manufacturer's anchor guide.

- Channel Installation**
9. Excavate initial anchor trench (12"x6") across the lower end of the project area.
  10. Excavate intermittent check slots (6"x6") across the channel at 30' intervals along the channel.
  11. Excavate longitudinal channel anchor slots (4"x4") along both sides of the channel to bury the edges. Whenever possible extend the TRM 2'-3' above the crest of channel side slopes.
  12. Install TRM in initial anchor trench (downstream) anchor every 12", backfill and compact soil.
  13. Roll out TRM beginning in the center of the channel toward the intermittent check slot. Do not pull taught. Unroll adjacent rolls upstream with a 3" minimum overlap (anchor every 18") and up each channel side slope.
  14. At top of channel side slopes install TRM in the longitudinal anchor slots, anchor every 18".
  15. Install TRM in intermittent check slots. Lay into trench and secure with anchors every 12", backfill with soil and compact.
  16. Overlap roll ends a minimum of 12" with upstream TRM on top for a shingling effect. Begin all new rolls in an intermittent check slot, double anchored every 12".
  17. Install upstream end in a terminal anchor trench (12"x6"); anchor every 12", backfill and compact.
  18. Complete anchoring throughout channel at 2.5 per square yard using suitable ground anchoring devices (U shaped wire staples, metal geotextile pins, plastic stakes, and triangular wooden stakes). Anchors should be of sufficient length to resist pullout. Longer anchors may be required in loose sandy or gravelly soils.

INFORMATION OBTAINED FROM THE 2006  
EDITION OF THE STATE OF OHIO'S "RAINWATER  
AND LAND DEVELOPMENT MANUAL".

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CITY OF NORTH RIDGEVILLE, ENGINEER

REV No.	DATE	BY	DESCRIPTION
CITY OF NORTH RIDGEVILLE, OHIO			
DEPARTMENT OF ENGINEERING			
TURF REINFORCEMENT			
MATTING			
SCALE: NOT TO SCALE			SWP-31
DATE: 10/01/08	DRWN BY: JAB/TEB		