INSTALLATION NOTES

Material shall be laid loosely in the direction of the slope, beginning at the bottom of the slope. In order for the blanket to be in contact with the soil, lay the blanket loosely, avoiding stretching.

1. Install product in accordance with the manufacturers recommendations.

2. ANCHOR SLOTS: The top of the blanket should be "slotted in" at the top of the slope and anchored in place with anchors 6 inches apart. The slots should be 6 inches wide x 6 inches deep with the blanket anchored in the bottom of the slot, then backfilled, tamped and seeded.

3. LONGITUDINAL SEAMS: The edges of the blanket should overlap each other a minimum of 6 inches, with anchors catching the edges of both blankets.

4. SPLICE SEAM: When splices are necessary, overlap end a minimum of 8" inches in direction of water flow. Stagger splice seams.

5. CHECK SLOTS: Establish check slots transverse to slope every 30 feet. The slots should be 6 inches wide x 6 inches deep. The blanket shall be cut to a length 6 inches beyond the slot. The top of the downslope blanket shall be slotted in, anchored and buried, tamped and seeded similar to the top anchor slot. The upslope blanket shall then cover the slot and be anchored as shown.

6. TERMINAL FOLD: The bottom edge of the blanket shall be turned under a minimum of 4 inches, then anchored in place with anchors 9 inches apart.

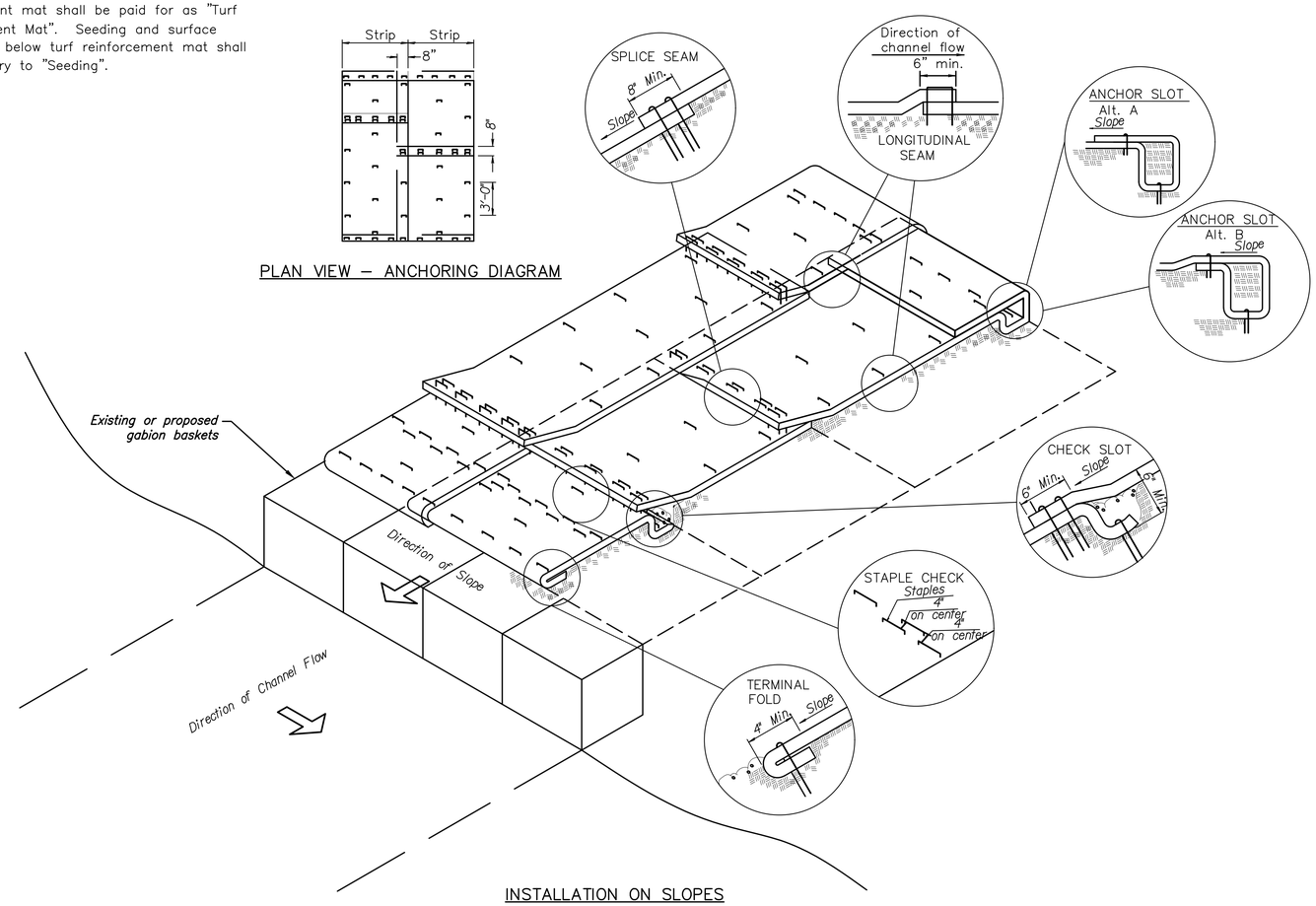
7. TYPICAL ANCHORS: Anchor design shall be as recommended by the manufacturer.

8. STAPLE CHECK: Establish Staples in 2 rows 4" on center apart. Staple Checks – shall be 30' apart.

GENERAL NOTES

1. This sheet applies to the installation of turf reinforcement mats.
2. Seeding may extend beyond the limits of the turf reinforcement mat. See sheet 76 for Seeding and Turf Reinforcing Mats limits.
3. All mat shall be installed in accordance with the details on this sheet and with the manufacturer's instructions. If contradictions exist between the two are Manufacturer's instructions will take precedence over the information on this sheet.
4. Turf reinforcement mat shall be 100% biodegradable (not just photodegradable), shall be rated for a minimum of 2 lb. per sq. ft. shear stress with up to a 24 month protection life. Suitable mats include North American Green model BioNet C125BN, American Excelsior model AEC Premier Straw/Coconut FibreNet, and Western Excelsior model Excel CS–3 All Natural.
5. All material and installation costs for turf reinforcement mat shall be paid for as "Turf Reinforcement Mat". Seeding and surface preparation below turf reinforcement mat shall be subsidiary to "Seeding".

PLAN VIEW – ANCHORING DIAGRAM



INSTALLATION ON SLOPES

MKEC
Wichita, KS • 316.684.9600

IMPROVEMENT PLANS FOR
15TH STREET BRIDGE OVER THE WICHITA DRAINAGE CANAL
WICHITA, KS

SLOPE PROTECTION DETAILS

PROJECT NO. 472-2023-085864
SCALE NO SCALE

DRAWN	DESIGNED	CHECKED
LWG	JRA	JRA

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	8-1-2025

SHEET NO.
83 OF 114

©2025 MKEC ENGINEERING, INC. ALL RIGHTS RESERVED WWW.MKEC.COM THESE DRAWINGS AND THEIR CONTENTS, INCLUDING, BUT NOT LIMITED TO, ALL CONCEPTS, DESIGNS, & IDEAS ARE THE EXCLUSIVE PROPERTY OF MKEC ENGINEERING, INC. (MKEC), AND MAY NOT BE USED OR REPRODUCED IN ANY WAY WITHOUT THE EXPRESS CONSENT OF MKEC.

PLOTTED: Friday, August 01, 2025 @ 03:32PM
J:\PROJECTS\2023\2010\0431_COV_WDC BRIDGE REPLACEMENT AT 15TH STREET\00 230431 CAD\SHTS\05 CIVIL\PAV\230431_SLOPE PROTECTION.DWG