PLOTTED: Wednesday, November 29, 2017 @ 03:27PM

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0615-01	2017	126	183

INSTALLATION DETAILS ON SLOPES

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 6 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.

GENERAL NOTES

1. *This sheet applies to the installation of erosion control blankets and turf reinforcement mats.*
2. *As noted on sheet 2, erosion control blankets shall be installed on all seeded surfaces. Surfaces to receive stream channel seed mix shall receive turf reinforcement mat in place of erosion control mat.*
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 erosion control mat is subsidiary to "Seeding". 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".*

INSTALLATION DETAILS IN CHANNELS

Material shall be laid loosely in the direction of the flow, with the first course at the centerline of channel, where applicable. In order for the mat to be in contact with the soil, lay the mat loosely, avoiding stretching.

1. Install product in accordance with manufacturers recommendations.

2. ANCHOR FOLD: The top of the mat should be folded under, buried and secured with wood or other approved anchors placed 6 inches apart. The top edge of the mat should be buried in a slot, 6 inches x 6 inches deep; anchored in the bottom of the slot, backfilled and the mat folded over the top as shown in detail.

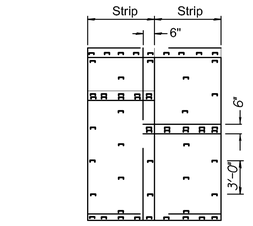
3. LONGITUDINAL SEAMS: The adjacent edges of the mat should overlap a minimum of 6 inches, with anchors catching the edges of both mats.

4. SPLICE SEAM: When splices are necessary, overlap end a minimum of 12 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. T he mat shall be cut to a length 12 inches beyond the slot. The top of the downstream mat shall be slotted in, secured and buried similar to the edge anchor fold. The upstream mat shall then cover the slot and be anchored as shown.

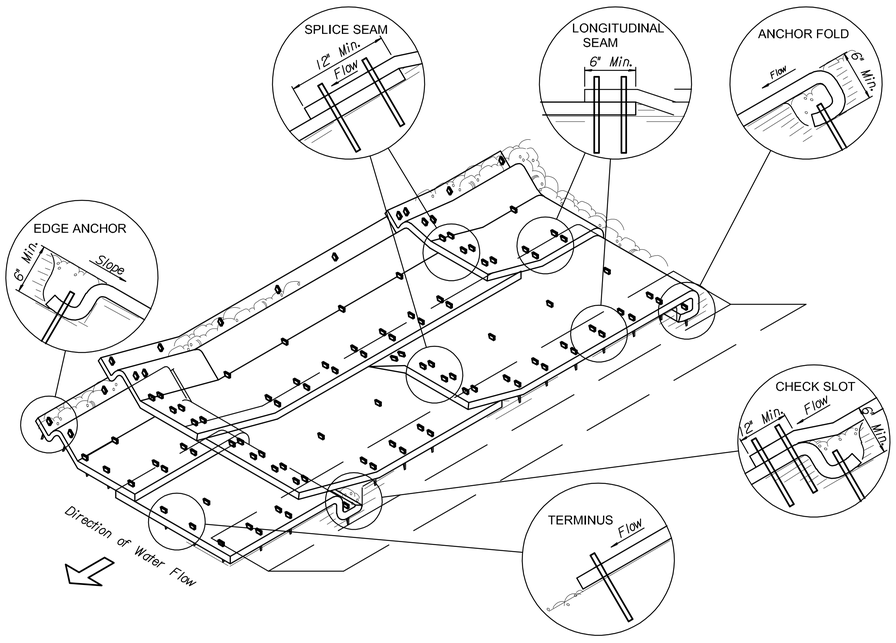
6. EDGE ANCHOR: Lay outside edge of mat into trench at top of side slope. Anchor at 3 foot intervals along trench.

7. TERMINUS: The bottom edge of the mat shall be anchored in place with anchors spread at 9 inch intervals along the terminating edge.



PLAN VIEW - ANCHORING DIAGRAM

INSTALLATION ON SLOPES



INSTALLATION IN CHANNELS

MKEC
Wichita, KS • 316-684-9600

STREET IMPROVEMENTS FOR

127TH STREET EAST

FROM 13TH STREET NORTH TO 21ST STREET NORTH

FLEXIBLE DITCH LINING & SLOPE PROTECTION

PROJECT NO.	472-85158
DATE	11/29/17
SCALE	AS SHOWN

DESIGNED	DRAWN	CHECKED
JRA	DM	JRA

NO.	REVISION	DATE

SHEET NO.

126 OF 183

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