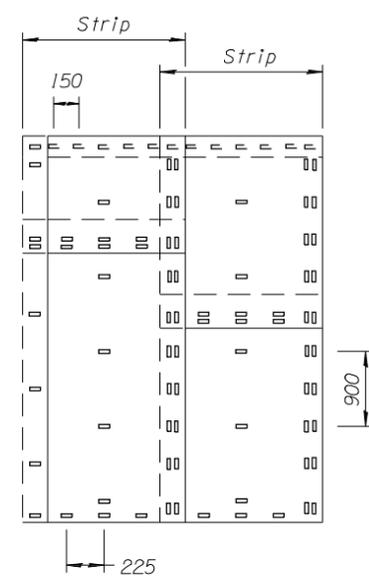
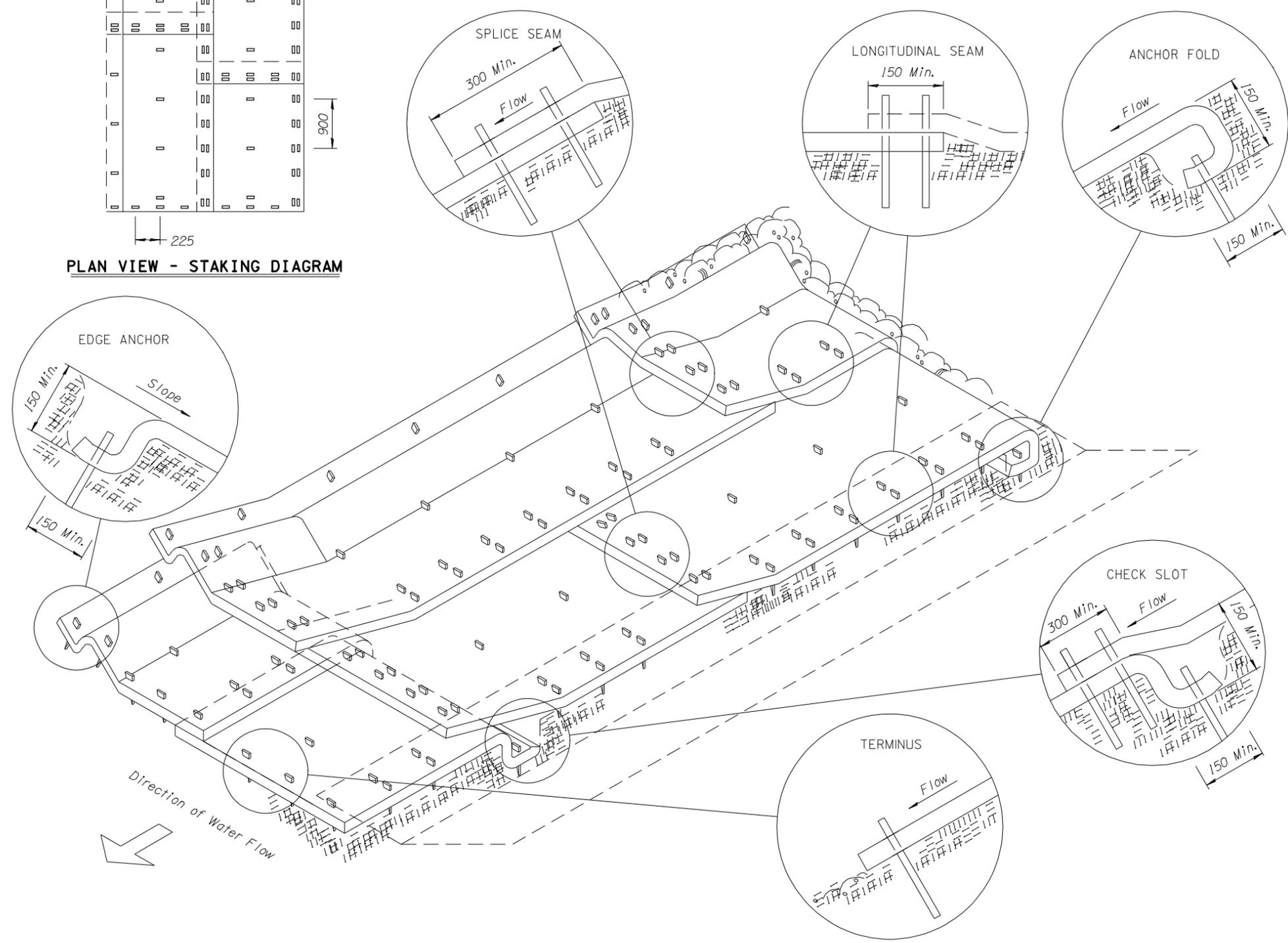


- REV. 11-1-95: CHANGED TO METRIC.
REV. 12-18-95: CHANGED DRAWING NO. FROM ESC-STR-35 TO EC-STR-36.
- REV. 5-27-01: CHANGED REFERENCE IN GENERAL NOTES FOR ALL EROSION CONTROL BLANKETS TO FLEXIBLE CHANNEL LINERS.
- REV. 1-22-03: CORRECTED LONGITUDINAL SEAM IN ISOMETRIC VIEW.



PLAN VIEW - STAKING DIAGRAM



ISOMETRIC VIEW

GENERAL NOTES FOR INSTALLATION DETAILS

FLEXIBLE CHANNEL LINERS SHALL BE LAID LOOSELY IN THE DIRECTION OF FLOW, WITH THE FIRST COURSE AT THE CENTERLINE OF THE CHANNEL, WHERE APPLICABLE. IN ORDER FOR THE CHANNEL LINER TO BE IN CONTACT WITH THE SOIL, LAY THE CHANNEL LINER LOOSELY, AVOIDING STRETCHING.

- (A) ANCHOR FOLD: THE TOP OF THE CHANNEL LINER SHOULD BE FOLDED UNDER BURIED AND SECURED WITH WOOD OR OTHER APPROVED STAKES PLACED 150 mm APART. THE TOP EDGE OF THE CHANNEL LINER SHOULD BE BURIED IN A SLOT, 150 mm WIDE X 150 mm DEEP; STAKED IN THE BOTTOM OF THE SLOT, BACKFILLED, AND THE CHANNEL LINER FOLDED OVER THE TOP AS SHOWN IN THE DETAIL.
- (B) LONGITUDINAL SEAMS: THE ADJACENT EDGES OF THE CHANNEL LINER SHOULD OVERLAP A MINIMUM OF 150 mm, WITH THE STAKES CATCHING THE EDGES OF BOTH CHANNEL LINERS.
- (C) SPLICE SEAM: WHEN SPLICES ARE NECESSARY, OVERLAP THE END A MINIMUM OF 300 mm IN THE DIRECTION OF THE WATER FLOW STAGGER THE SPLICE SEAMS.
- (D) CHECK SLOTS: ESTABLISH CHECK SLOTS TRANSVERSE TO THE SLOPE EVERY 8.0 m. THE SLOTS SHOULD BE 150 mm WIDE X 150 mm DEEP. THE CHANNEL LINER SHALL BE CUT TO A LENGTH 300 mm BEYOND THE SLOT. THE TOP OF THE DOWNSTREAM CHANNEL LINER SHALL BE SLOTTED IN, SECURED AND BURIED SIMILAR TO THE EDGE ANCHOR FOLD. THE UPSTREAM CHANNEL LINER SHALL THEN COVER THE SLOT AND BE STAKED AS SHOWN.
- (E) EDGE ANCHOR: LAY THE OUTSIDE EDGE OF THE MAT INTO THE TRENCH AT THE TOP OF THE SIDE SLOPE. STAKE AT 900 mm INTERVALS ALONG THE TRENCH.
- (F) TERMINUS: THE BOTTOM EDGE OF THE CHANNEL LINER SHALL BE STAKED IN PLACE WITH STAKES SPACED AT 225 mm INTERVALS ALONG THE TERMINATING EDGE.
- (G) MATERIALS SUPPLIED MUST MEET A SHEAR STRESS AT MAXIMUM DEPTH (\dagger) OF 0.24 kPa. SEE QUALIFIED PRODUCT LISTS FOR EXCEPTABLE PRODUCTS.
- (H) PAYMENT FOR THE FLEXIBLE CHANNEL LINER WILL BE MADE UNDER ITEM NO. 805M13.03, FLEXIBLE CHANNEL LINER (TYPE CLASS III) PER SQUARE YARD.



ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

□ MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INSTALLATION
DETAIL FOR
FLEXIBLE CHANNEL
LINER