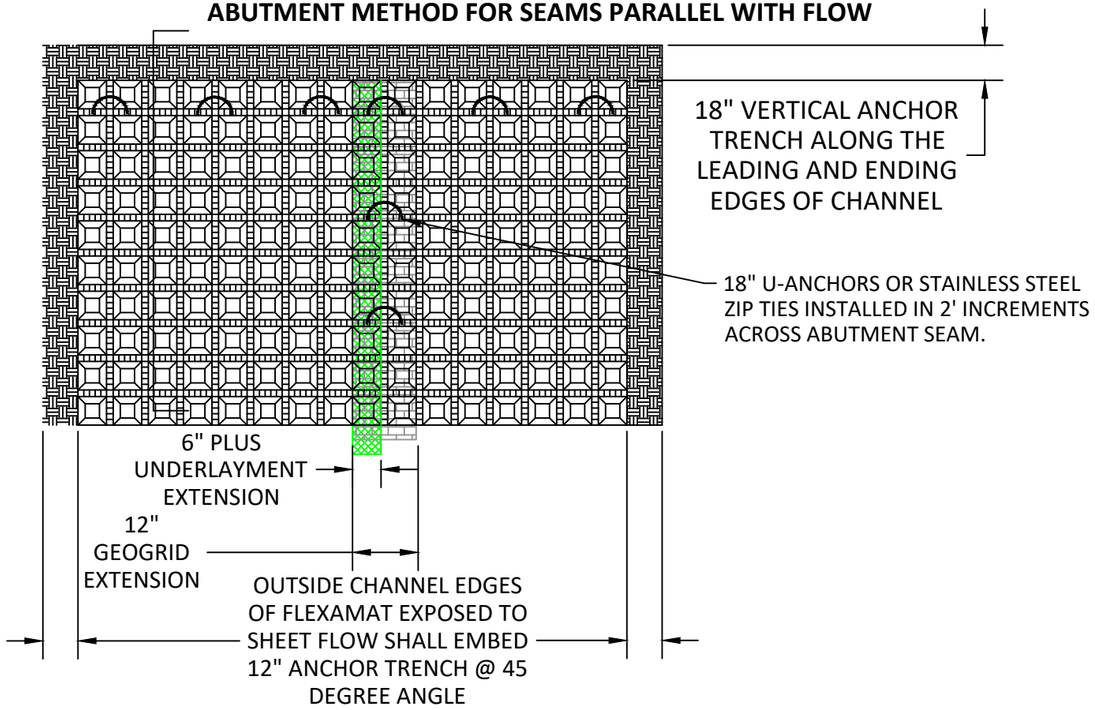
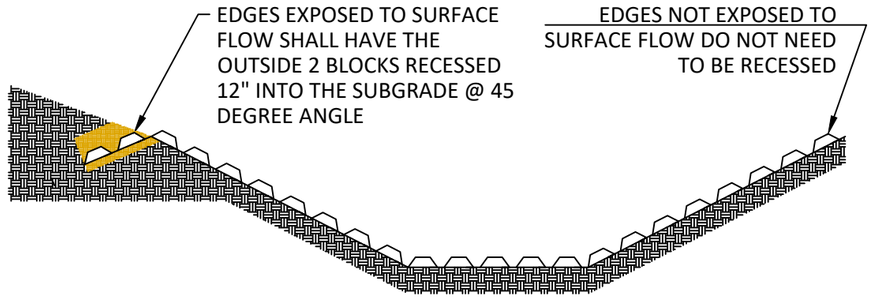
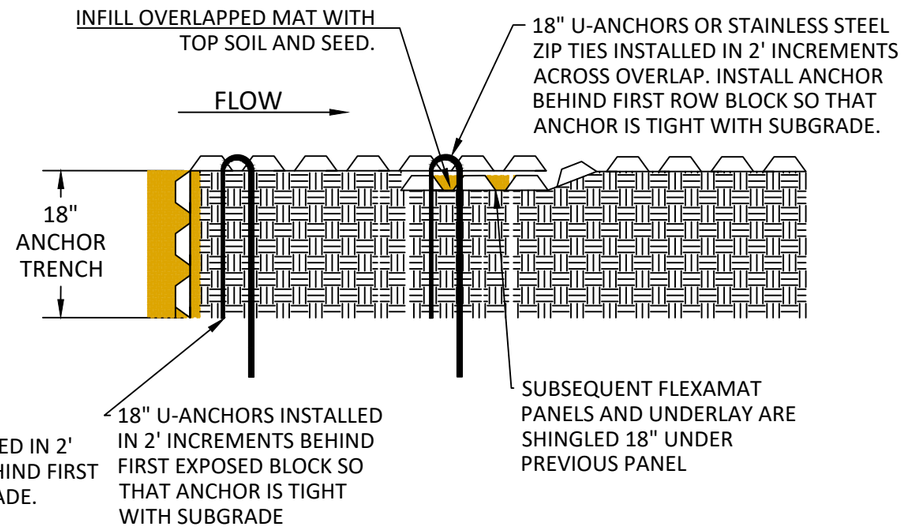
ABUTMENT METHOD FOR SEAMS PARALLEL WITH FLOW

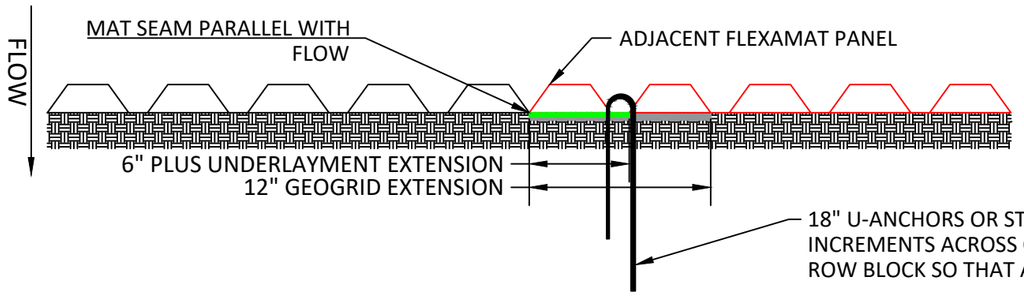


METHOD FOR TREATING EDGES EXPOSED TO SURFACE SHEET FLOW



OVERLAP METHOD FOR SEAMS PERPENDICULAR TO FLOW





FLEXAMAT CHANNEL - LAYOUT LONGITUDINAL TO FLOW

CONSTRUCTION NOTES:

1. AN ENGINEER OR MANUFACTURES REPRESENTATIVE SHALL BE ONSITE FOR THE START OF THE INSTALLATION.
2. GRADE CHANNEL SO THAT WATER WILL FLOW DOWN CENTER OF THE CHANNEL AND BE CONTAINED TO THE CHANNEL. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND.
3. SEED AND FERTILIZE THE PREPARED SUBGRADE WITH SITE SPECIFIC SEED MIX AND IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
4. INSTALL FLEXAMAT ROLLS, USING THE WIDEST ROLLS POSSIBLE TO AVOID SEAMS.
   - 4.1. FOR CHANNELS THAT ARE WIDER THAN 16', INSTALL FLEXAMAT ROLLS THAT INCLUDE 12" GEOGRID EXTENSIONS WITH A 6" PLUS UNDERLAYMENT EXTENSIONS. THESE SEAMS PARALLEL WITH FLOW WILL HAVE THE ADJACENT MAT INSTALLED OVER THE EXTENSIONS.
   - 4.2. SECURE THE ABUTMENT PARALLEL WITH FLOW BY INSTALLING 18" U-ANCHORS (FOR COHESIVE SOILS) OR 20" STAINLESS STEEL ZIP TIES (FOR NON-COHESIVE SOILS) IN 2' INCREMENTS THROUGH THE EXTENSION ABUTMENT.
5. FOR ADDITIONAL SECTIONS OF MAT, SECURE SEAM PERPENDICULAR WITH FLOW BY OVERLAPPING THE DOWNSTREAM SECTION 18" WITH UPSTREAM SECTION OF MAT. PRIOR TO INSTALLING OVERLAP, FLIP UPSTREAM MAT BACK 24". EXCAVATE 2.25'" OF SOIL 18" FROM END OF UPSTREAM MAT. DOWNSTREAM SECTION IS LAID IN THE SHALLOW TRENCH. LIGHTLY SPREAD TOPSOIL AND SEED OVER INITIAL EDGE. FLIP END OF UPSTREAM MAT OVER THE SOIL COVERED INITIAL LEADING EDGE OF DOWNSTREAM MAT.
   - 5.1. SECURE OVERLAPS PERPENDICULAR TO FLOW BY INSTALLING 18" U-ANCHORS (FOR COHESIVE SOILS) OR 20" STAINLESS STEEL ZIP TIES (FOR NON-COHESIVE SOILS) IN 2' INCREMENTS ACROSS THE MAT OVERLAP. INSTALL ANCHORS DIRECTLY BEHIND BLOCKS.
6. AT THE LEADING AND ENDING EDGES OF THE FLEXAMAT ARMORED CHANNEL, EMBED THE MAT 18" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH COHESIVE SOIL.

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