



#### CONSTRUCTION NOTES:

1. AN ENGINEER OR MANUFACTURERS REPRESENTATIVE SHALL BE ONSITE FOR THE START OF THE INSTALLATION.
2. GRADE THE SITES SO THAT WATER WILL NOT FLOW ABOVE, BELOW, OR AROUND THE OUTSIDE OF THE AREA PROTECTED WITH FLEXAMAT. 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. INSTALL FLEXAMAT ROLLS, USING THE WIDEST ROLLS POSSIBLE TO AVOID SEAMS.
  - 3.1. FOR CHANNELS THAT ARE WIDER THAN 16', INSTALL FLEXAMAT ROLLS THAT INCLUDE 15" GEOGRID EXTENSIONS WITH A 6" PLUS UNDERLAYMENT EXTENSIONS. THESE SEAMS PARALLEL WITH FLOW WILL HAVE THE ADJACENT MAT INSTALLED OVER THE EXTENSIONS.
  - 3.2. SECURE THE OVERLAPS PARALLEL WITH FLOW BY INSTALLING 18" U-ANCHORS IN 2' INCREMENTS THROUGH THE EXTENSION OVERLAPS.
4. FOR ADDITIONAL SECTIONS OF MAT, SECURE SEAMS 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.
  - 4.1. SECURE OVERLAPS PERPENDICULAR TO FLOW BY INSTALLING 18" U-ANCHORS IN 2' INCREMENTS ACROSS THE MAT OVERLAP. INSTALL ANCHORS DIRECTLY BEHIND BLOCKS.
5. AT THE END OF THE ARMORED CHANNEL, EMBED THE MAT 18" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH COHESIVE SOIL.

#### FLEXAMAT INFORMATION

Manufacturer: Motz Enterprises, Inc.  
 Product Name: Flexamat  
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 Cincinnati, OH 45209  
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# FLEXAMAT CHANNEL LINING DETAIL

## MAT LAYOUT LONGITUDINAL

## WITH FLOW DIRECTION

### NTS

