



# FLEXAMAT - RIVERBANK ARMORING DETAIL

## 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 INSTALLATIONS THAT ARE WIDER THAN 16', INSTALL FLEXAMAT ROLLS THAT INCLUDE 12" GEOGRID EXTENSIONS WITH A 6" PLUS (TRM) UNDERLAYMENT EXTENSIONS. THESE SEAMS ARE PERPENDICULAR WITH FLOW. THE INSTALLATION WILL START ON THE DOWN CHANNEL EDGE AND WORK UP CHANNEL IN THE OPPOSITE DIRECTION OF FLOW. THE GEOGRID AND TRM EXTENSIONS SHALL EXTEND UNDER THE UP CHANNEL MATS.
  - 3.2. SECURE THE OVERLAPS PERPENDICULAR WITH FLOW BY INSTALLING 18" U-ANCHORS (FOR COHESIVE SOILS) IN 2' INCREMENTS THROUGH THE EXTENSION OVERLAPS OR 20" STAINLESS STEEL ZIP TIES (FOR NON-COHESIVE SOILS) IN 1' INCREMENTS THROUGH THE GEOGRID EXTENSION OVERLAPS.
  - 3.3. SECURE OVERLAPS PERPENDICULAR TO FLOW BY INSTALLING 18" U-ANCHORS (FOR COHESIVE SOILS) IN 2' INCREMENTS ACROSS THE MAT OVERLAP OR 20" STAINLESS STEEL ZIP TIES (FOR NON-COHESIVE SOILS) IN 1' INCREMENTS ACROSS THE MAT OVERLAP . INSTALL ANCHORS DIRECTLY BEHIND FIRST ROW OF BLOCKS AND ZIP TIES BETWEEN THE FIRST ROW OF BLOCKS. ZIP TIES SHALL EXTEND AROUND 3 CORDS OF GEOGRID ON EACH MAT.
4. EXTEND FLEXAMAT 24" PAST CREST OF SLOPE INTO A 18" VERTICAL ANCHOR TRENCH. FILL ANCHOR TRENCH WITH SOIL AND COMPACT FIRMLY TO ENSURE NO FUTURE SETTLING OF FILL.
5. INSTALL 24" ANCHOR TRENCH AT THE TOE OF THE RIVERBANK. ANCHOR TRENCH SHALL EXTEND 24" PAST ANTICIPATED SCOUR POINT.
6. AT THE LEADING AND ENDING EDGES OF THE FLEXAMAT ARMORED CHANNEL, EMBED THE MAT 24" IN A VERTICAL ANCHOR. FILL ANCHOR TRENCH WITH SOIL AND COMPACT FIRMLY TO ENSURE NO FUTURE SETTLING OF FILL.

**MOTZ  
ENTERPRISES, INC.**

**Flexamat**

**Telephone: (513)772-6689  
Email: [Info@Flexamat.com](mailto:Info@Flexamat.com)  
Webstie: [Flexamat.com](http://Flexamat.com)**

