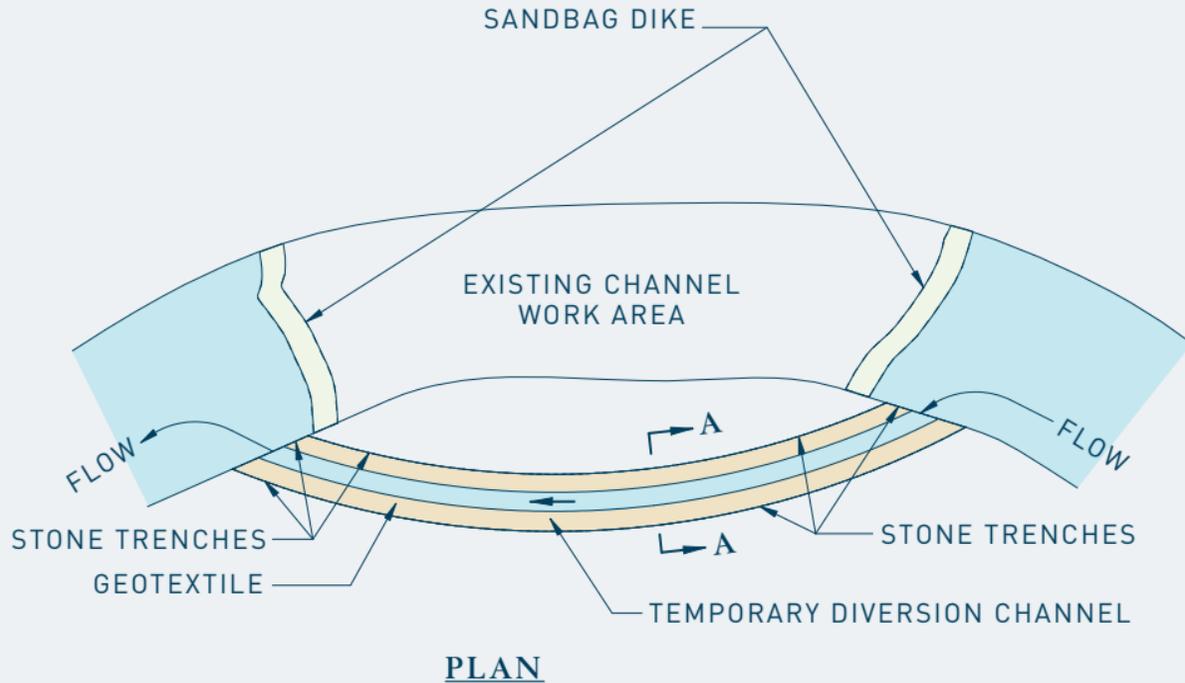




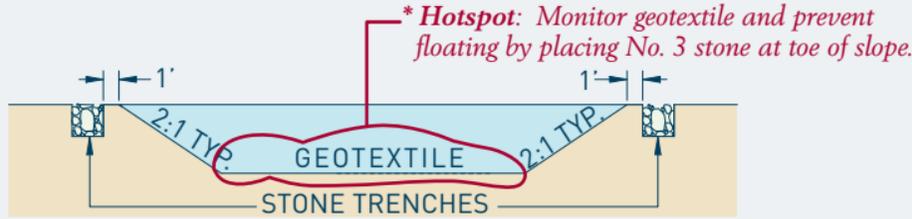
EROSION & SEDIMENT CONTROL

FIELD GUIDE

VII. WATERWAY CONSTRUCTION



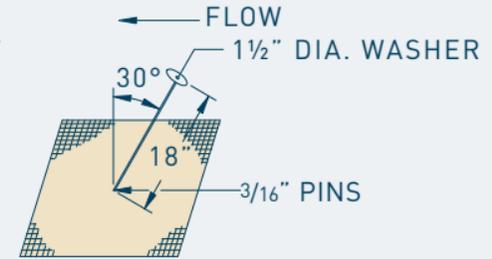
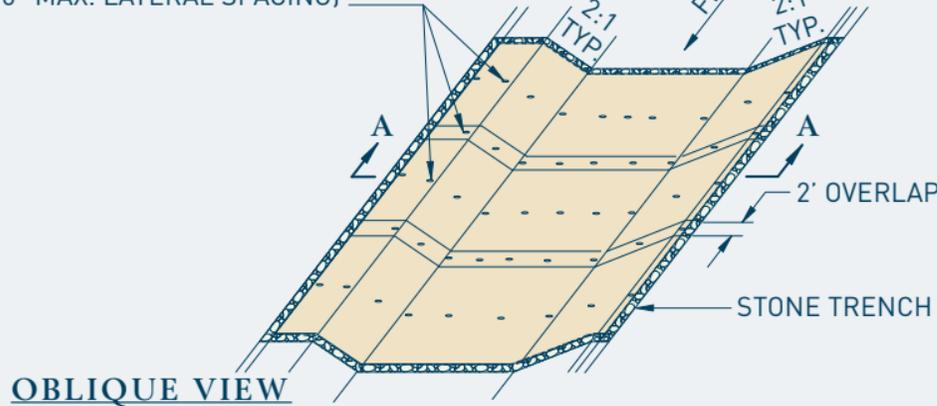
VII. WATERWAY CONSTRUCTION



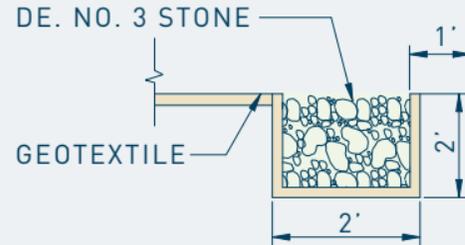
NOTE: SEE PLANS FOR LOCATION DIMENSIONS, GRADES, ETC.

SECTION A-A

PINS (24" MAX. LONGITUDINAL SPACING
6" MAX. LATERAL SPACING)



FASTENING DETAIL



VII. A. Geotextile-lined Diversion Channel

(Section 110, 111 and reference to Section 200)

VII. WATERWAY CONSTRUCTION

VII.A - Maintenance

- Throughout the Project construction period, the Contractor shall maintain the geotextile lined channel diversion to the original dimensions and function of the geotextile lined channel diversion.



*Geotextiles anchored with sandbags as stone trenching alternative.
Stone along invert to prevent floating.*



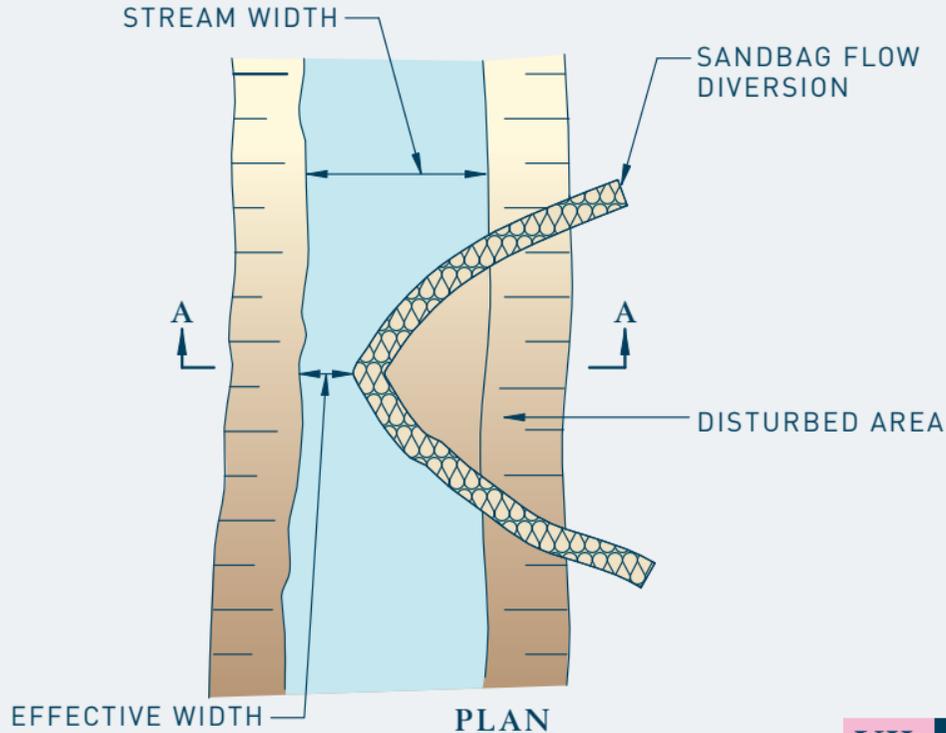
VII. WATERWAY CONSTRUCTION

Geotextiles anchored with sandbags as alternative to stone trenching.



VII. A. Geotextile-lined Diversion Channel

VII. WATERWAY CONSTRUCTION



NOTES

1. THE WORK SHALL CONSIST OF INSTALLING FLOW DIVERSIONS FOR THE PURPOSE OF EROSION CONTROL WHEN CONSTRUCTION ACTIVITIES TAKE PLACE WITHIN THE STREAM CHANNEL SUCH AS BANK STABILIZATION OR BRIDGE ABUTMENT CONSTRUCTION.
2. THE DIVERSION STRUCTURE SHALL BE INSTALLED FROM UPSTREAM TO DOWNSTREAM.
3. THE EFFECTIVE CHANNEL WIDTH SHALL BE SIZED TO PASS A ONE YERA STORM EVENT PEAK FLOW, OR $\frac{1}{3}$ OF STREAM WIDTH, WHICHEVER IS GREATER.
4. THE SANDBAG DIVERSION HEIGHT (H) SHALL BE IN ACCORDANCE WITH THE PLANS OR AS SPECIFIED BY THE ENGINEER.

VII. WATERWAY CONSTRUCTION

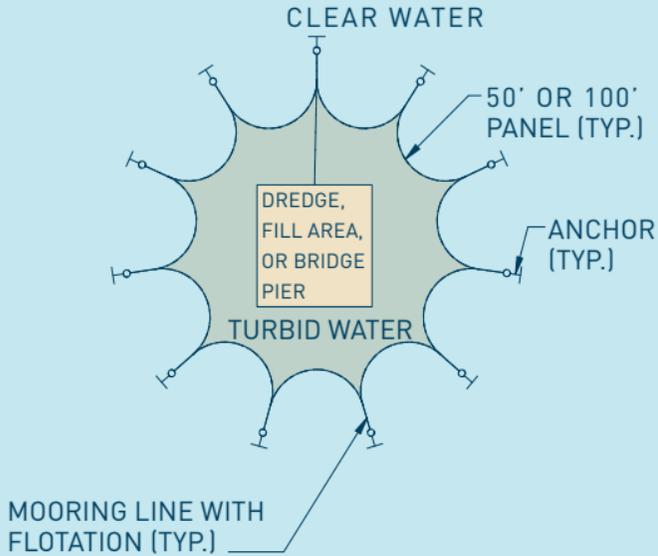
VII.B - Maintenance

- The Contractor shall maintain the original dimensions of the accepted sandbag dikes and sandbag diversions.

Example of required use of impervious sheeting.

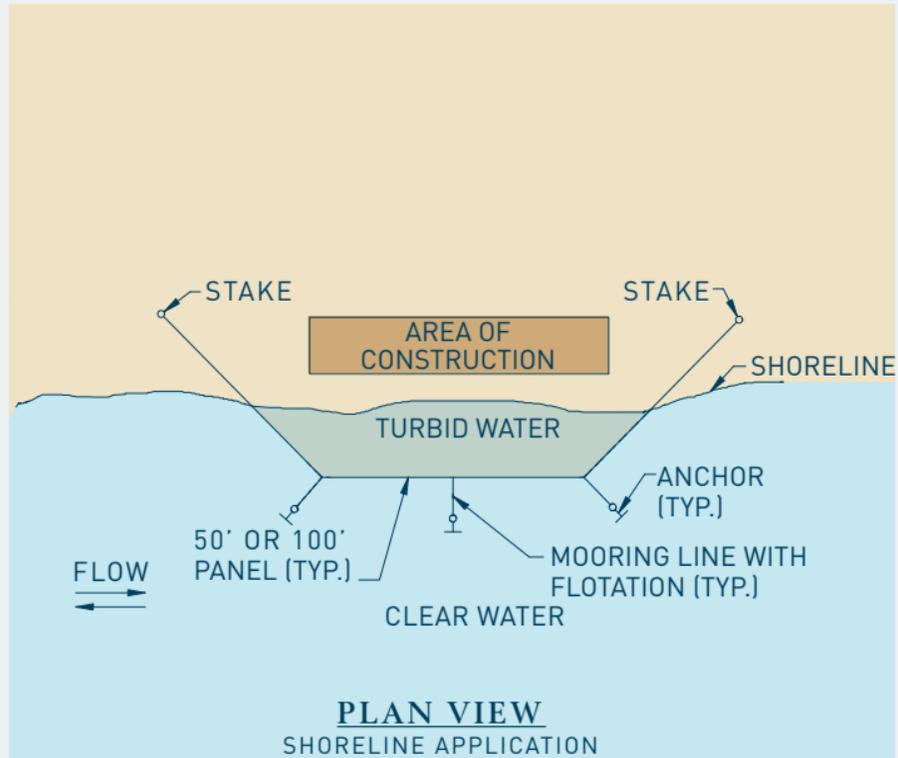


VII. WATERWAY CONSTRUCTION



PLAN VIEW

OPEN WATER APPLICATION



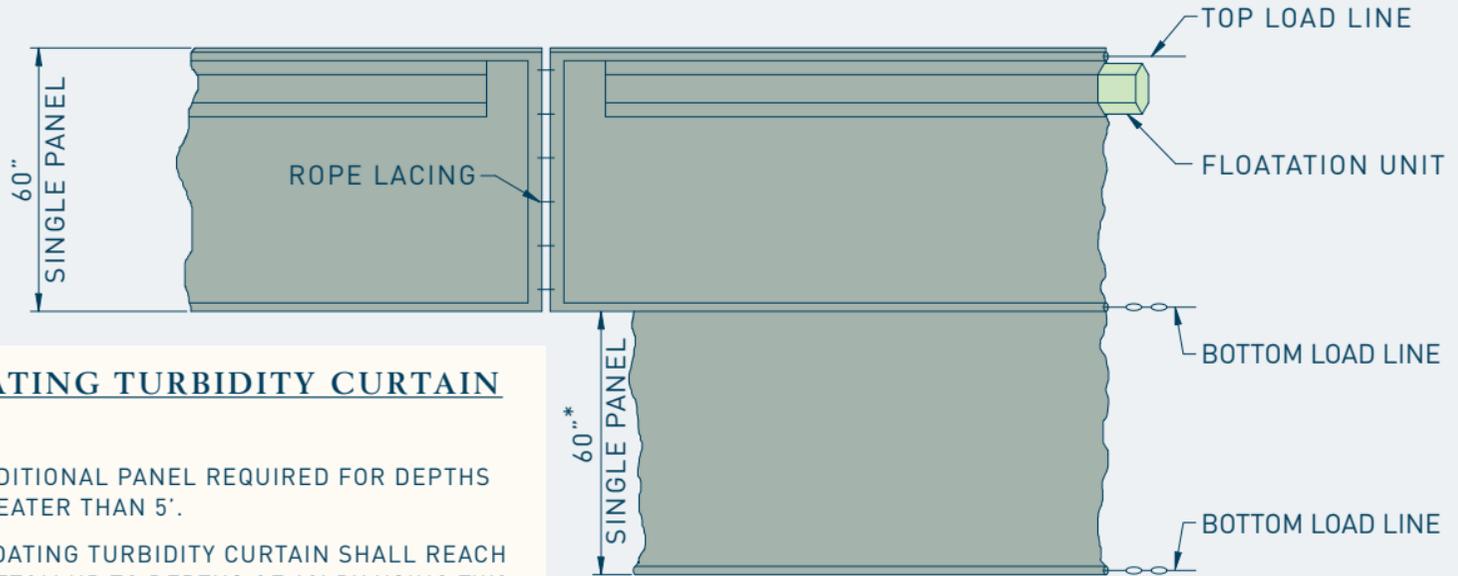
PLAN VIEW

SHORELINE APPLICATION

VII.

B. Sandbag Diversion

VII. WATERWAY CONSTRUCTION



FLOATING TURBIDITY CURTAIN

NOTES

1. ADDITIONAL PANEL REQUIRED FOR DEPTHS GREATER THAN 5'.
2. FLOATING TURBIDITY CURTAIN SHALL REACH BOTTOM UP TO DEPTHS OF 10' BY USING TWO PANELS. DEPTHS GREATER THAN 10' SHALL REQUIRE SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

ELEVATION

VII. WATERWAY CONSTRUCTION

VII.C - Maintenance

- Throughout the Project construction period, the Contractor shall maintain the turbidity curtain so that no sediment caused by the Project enters the waterway beyond the turbidity curtain.
- All turbidity curtain damaged prior to installation, during installation, or during the life of the Contract shall be repaired or replaced to the satisfaction of the Engineer.

VII. WATERWAY CONSTRUCTION

Curtain effectively trapping sediment/debris at surface.



Curtain floating. Not anchored properly at bottom.



VII.

C. Turbidity Curtain

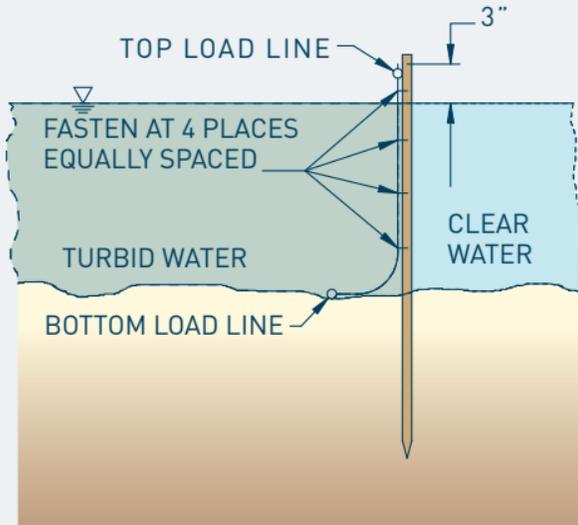
VII. WATERWAY CONSTRUCTION



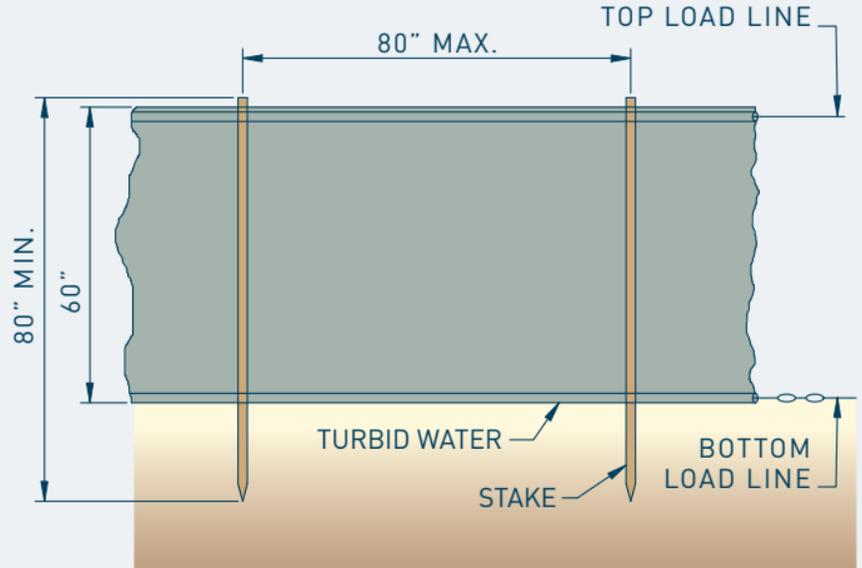
PLAN VIEW

SHALLOW WATER/MARSH APPLICATION

VII. WATERWAY CONSTRUCTION



SECTION



ELEVATION

STAKED TURBIDITY CURTAIN

VII. WATERWAY CONSTRUCTION



Not for use across flowing channels.

VII.

C. Turbidity Curtain

VII. WATERWAY CONSTRUCTION



VII.

C. Turbidity Curtain