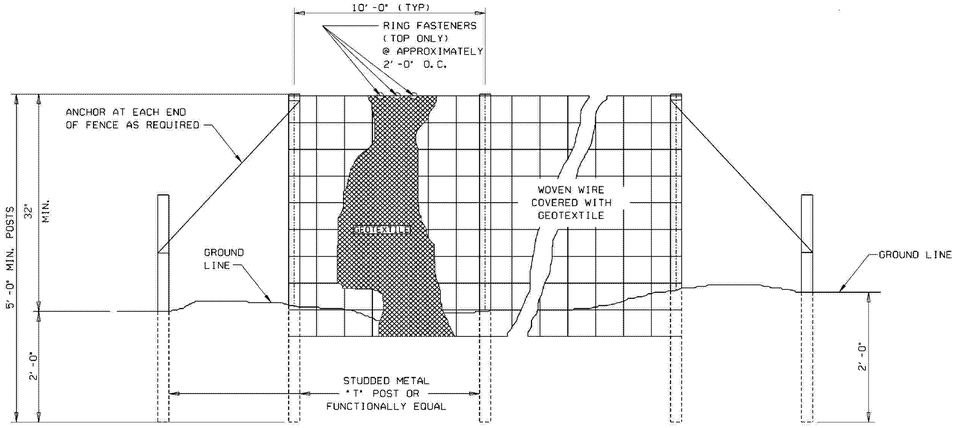
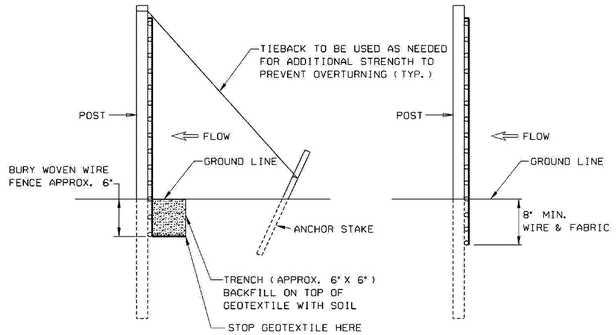
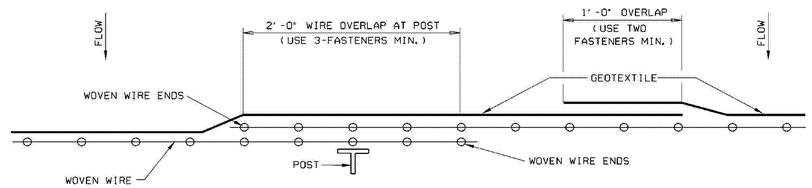


ELEVATION VIEW



METHOD I

METHOD II
MECHANICAL INSTALLATION



PLAN VIEW

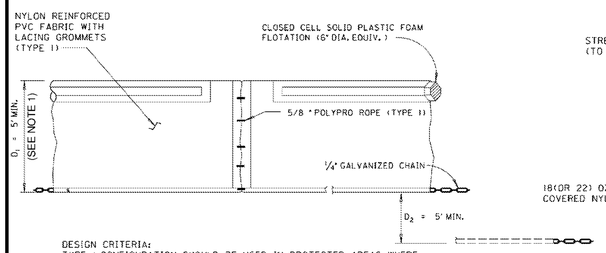
REQUIRED LAPPING

NOTES:
1. METHOD II FENCE INSTALLATION ALSO TO INCLUDE ANCHORS AND TIEBACKS AS REQUIRED.
2. SILT FENCE SHALL BE USED IN AREAS WHERE FLOW IS NOT SEVERE OR AS DIRECTED BY THE ENGINEER.
3. SILT FENCES ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
4. SILT FENCE SHOULD BE PLACED WELL INSIDE RIGHT-OF-WAY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A BACK-UP FENCE IF FIRST BECOMES FULL.
5. WHEREVER POSSIBLE SILT FENCES SHALL BE CONSTRUCTED ACROSS A LEVEL AREA IN THE SHAPE OF A SMILE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
6. THE CONTRACTOR MAY ELECT TO USE EITHER METHOD I OR METHOD II. COST TO BE LINEAR FEET OF SILT FENCE.
7. METHOD II INSTALLATION SHALL BE ACCOMPLISHED USING AN IMPLEMENT THAT IS MANUFACTURED FOR THE APPLICATION AND PROVIDES A CONFIGURATION MEETING THE REQUIREMENTS OF THE DETAIL.

SILT FENCE

1 **DETAIL**
SCALE: N.T.S.

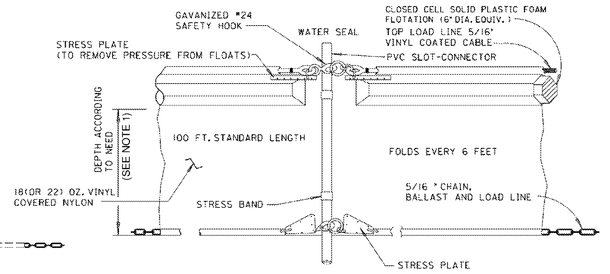
ALABAMA DEPARTMENT OF TRANSPORTATION
SPECIAL DRAWING NO.
ESC-200
INDEX NO.
1161-C



DESIGN CRITERIA:
TYPE 1 CONFIGURATION SHOULD BE USED IN PROTECTED AREAS WHERE THERE IS NO CURRENT AND THE AREA IS SHELTERED FROM WIND AND WAVES.

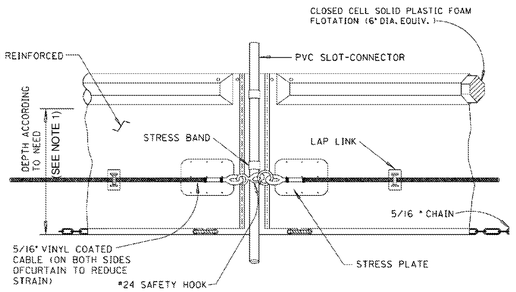
D_1 = (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D_2 = (ADDITIONAL PANEL FOR DEPTHS > 5'), CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO(2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

TYPE 1



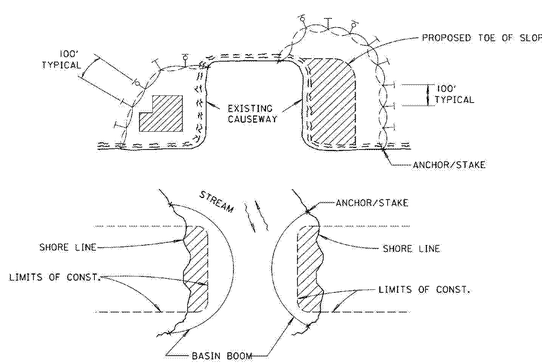
TYPE 2 CONFIGURATION SHOULD BE USED IN PROTECTED AREAS WHERE THERE MAY BE SMALL TO MODERATE CURRENT RUNNING (≤ 3.5' PER SECOND) AND/OR WIND AND WAVE ACTION CAN AFFECT THE CURTAIN.

TYPE 2



TYPE 3 CONFIGURATION SHOULD BE USED IN AREAS WHERE CONSIDERABLE CURRENT (≤ 5' PER SECOND) MAY BE PRESENT, WHERE TIDAL ACTION MAY BE PRESENT, AND/OR WHERE THE CURTAIN IS POTENTIALLY SUBJECT TO WIND AND WAVE ACTION.

TYPE 3



NOTES:

1. PER T.V.A. PERMIT, A FLOATING SILT SCREEN EXTENDING FROM THE SURFACE TO THE BOTTOM IS TO BE IN PLACE DURING EXCAVATION OR DREDGING.
2. THE CONTRACTOR IS RESPONSIBLE FOR SELECTION OF THE APPROPRIATE TYPE OF FLOATING BASIN BOOM AND INSTALLATION METHODS BASED ON WATER BODY CONDITIONS.
3. FLOATING BASIN BOOMS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS.
4. FLOATING BASIN BOOMS CAN BE STAKED AND/OR ANCHORED IN STILL OR MOVING WATERS.
5. FLOATING BASIN BOOMS ARE INTENDED TO PREVENT SEDIMENT MIGRATION WITHIN THE WATER BODY. THEY ARE NOT INTENDED TO BE INSTALLED AS THE PRIMARY SEDIMENT CONTROL METHOD, OR TO CAPTURE SEDIMENT FROM UPLAND AREAS AS A PRIMARY FUNCTION. OTHER UPLAND EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE INCORPORATED AS PROVIDED IN THE PLANS AND STANDARD DRAWINGS.
6. FLOATING BASIN BOOM SHOWN MAY BE SIMILAR TO PROPRIETARY DESIGN FUNCTIONALLY EQUIVALENT DESIGNS MEETING CONTRACT REQUIREMENTS MAY ALSO BE USED.

FLOATING BASIN BOOM APPLICATIONS

LEGEND

- DREDGE, FILL OR WORK AREA
- MOORING BOUY W/ ANCHOR
- ANCHOR

FLOATING BASIN BOOM

2 **DETAIL**
SCALE: N.T.S.

ALABAMA DEPARTMENT OF TRANSPORTATION
SPECIAL DRAWING NO.
ESC-501
INDEX NO.
1164

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BID SET

MARK	DATE	DESCRIPTION	BY

HUNTSVILLE UTILITIES
SOUTHEAST WATER TREATMENT PLANT

STANDARD CIVIL DETAILS

Project No.:	200-11740-10003
Designed By:	JRW
Drawn By:	WDV
Checked By:	JPT

C-9505

Copyright: Tetra Tech

Bar Measures 1 inch

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