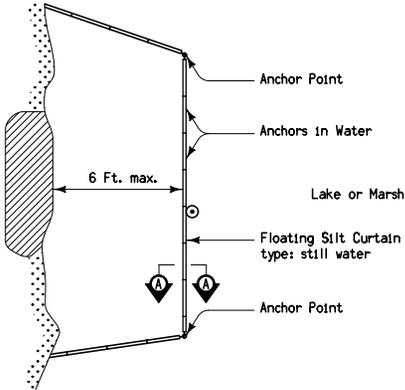
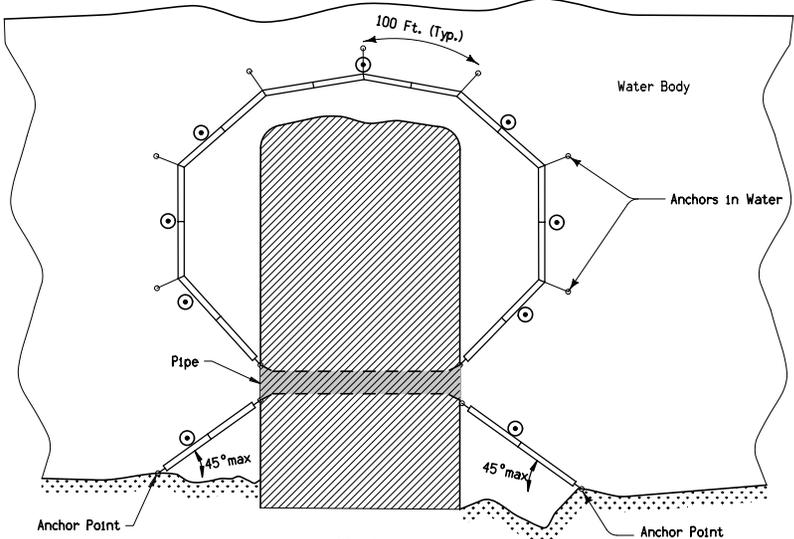


Keep silt curtain as close to work area as possible.

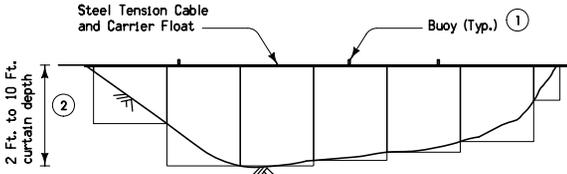
- ① On U.S. Coast Guard or other motorized waterways, buoy are required to mark the ends and special areas for visibility. Place buoys as required for navigational purposes.
- ② Silt Curtain height includes expected water depth plus wave height to a maximum of 10'.



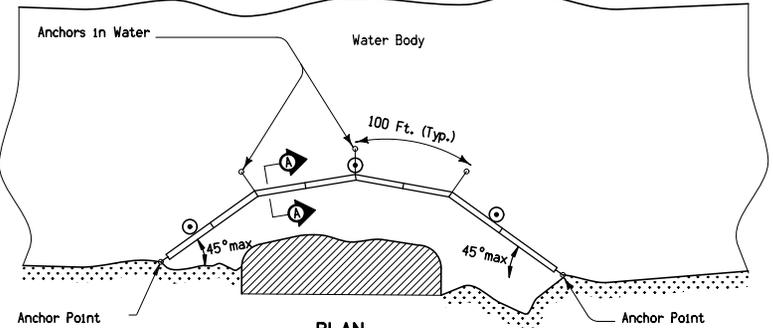
**PLAN (STILL WATER ONLY)**



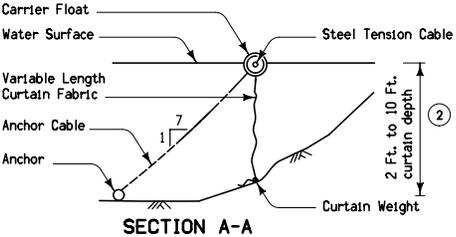
**PLAN  
Locations with pipe  
Under stream crossing or causeway**



**PROFILE**



**PLAN  
Locations without pipe  
Under causeway or pad**



**SECTION A-A**

- LEGEND**
- ⊙ Buoy ①
  - ▨ Work Area
  - ⋯ Edge of Water

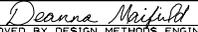
<p style="margin: 0;"><b>Iowa Department of Transportation</b></p> <p style="margin: 0;"><b>STANDARD ROAD PLAN</b></p> <p style="font-size: small; margin: 0;">REVISIONS: Removed drawing for major encroachment. Added a drawing for locations with a pipe.</p> <p style="text-align: right; font-style: italic; margin: 0;">Deanna McFalls</p> <p style="font-size: x-small; margin: 0;">APPROVED BY DESIGN METHODS ENGINEER</p>	REVISION 1   10-20-09
	<b>RC-18</b>
	SHEET 1 of 2
FLOATING SILT CURTAIN	

Anchors and weights are to be as recommended by manufacturer. Construct floatation silt curtain of fabric fastened to a flotation carrier and weighted along the bottom edge. Depth of curtain is the dimension of the curtain fabric extending below the flotation, i.e. hanging in the water. Upon completion of the work remove the curtain in a manner that will prevent re-suspension of sediment into the water.

**FLOATING SILT CURTAIN REQUIREMENTS**

	TYPE	
	Still Water	Moving Water
Curtain Fabric Material Type	Impermeable vinyl-nylon laminate	Impermeable vinyl-coated nylon
Mass per square yard	18 oz	22 oz
Grab Tensile Strength ASTM D 4632 (B)	300 lbs	500 lbs
Depth of Curtain (A)	From 2-10 feet	From 2-10 feet
Flotation	6 inches diameter Marine quality expanded polystyrene	8 inches diameter Marine quality expanded polystyrene
Net Buoyancy, per foot	13 lbs	20 lbs
Top Load Carrying Components	Fabric Only	Fabric plus 5/16 inch galvanized steel cable 9800 lb min. break strength
Ballast, lbs per foot, min.	0.7 lb/foot enclosed 1/4 inch galvanized chain	1.1 lb/foot enclosed 5/16 inch galvanized chain
Connection Between Sections	Laced grommets	Aluminum collar reinforced quick disconnects

(A) As specified in the Contract  
 (B) Minimum average roll value.

 <b>Iowa Department of Transportation</b>	REVISION
	1   10-20-09
<b>STANDARD ROAD PLAN</b>	<b>RC-18</b>
	SHEET 2 of 2
<small>REVISIONS: Removed drawing for major encroachment. Added a drawing for locations with a pipe.</small>	
 <small>APPROVED BY DESIGN METHODS ENGINEER</small>	
<b>FLOATING SILT CURTAIN</b>	