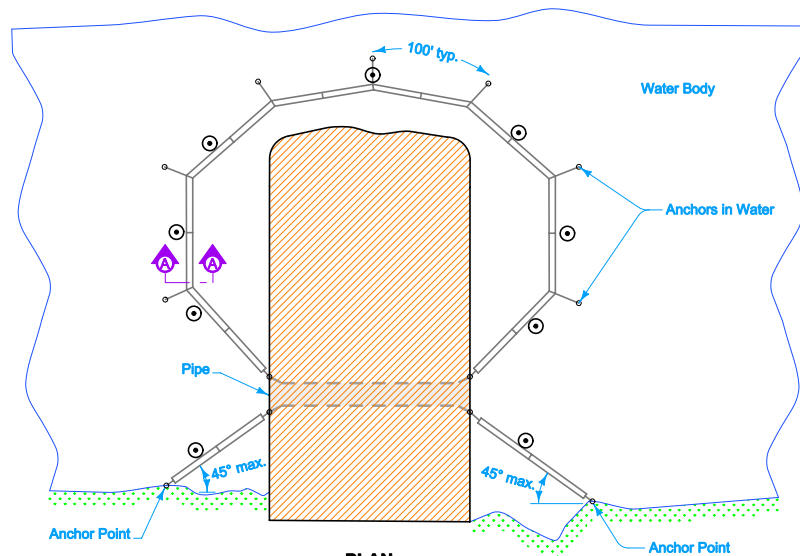
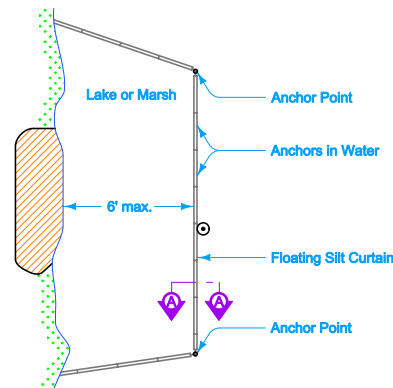
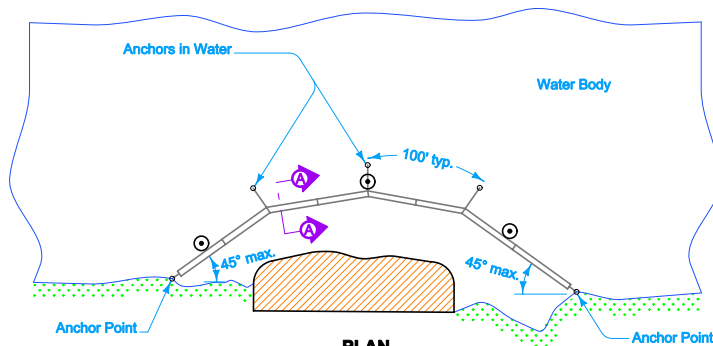




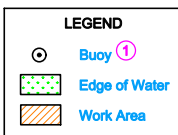
PLAN
Locations with pipe
Under stream crossing or causeway



PLAN
Still Water Only



PLAN
Locations without pipe
Under causeway or pad



Keep silt curtain as close to work area as possible.

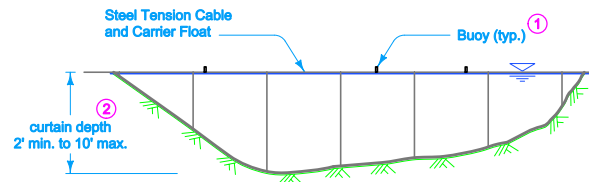
Anchors and weights are to be as recommended by manufacturer. Construct floating silt curtain of fabric fastened to a flotation carrier and weighted along the bottom edge. Depth of curtain is the dimension of the curtain fabric extending below the flotation, i.e. hanging in the water. Upon completion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

Install according to typical installation unless otherwise specified.

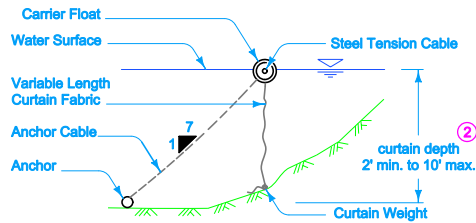
- ① On U.S. Coast Guard or other motorized waterways, buoy are required to mark the ends and special areas for visibility. Place buoys as required for navigational purposes.

Possible Contract Items:
Floating Silt Curtain, Moving Water
Floating Silt Curtain, Still Water

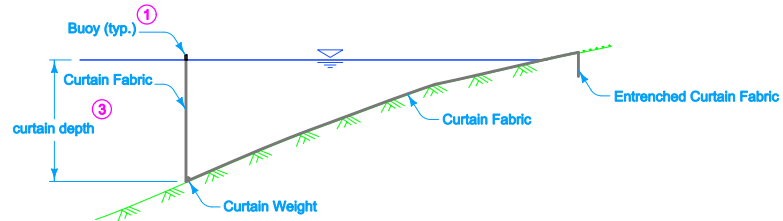
 Iowa Department of Transportation	REVISION		
	New	04-20-10	
	STANDARD ROAD PLAN		
	EC-202		
REVISIONS: New. Replaces RC-18. Added Section A-A to sheet 2.		SHEET 1 of 2	
 APPROVED BY DESIGN METHODS ENGINEER			
FLOATING SILT CURTAIN			



PROFILE



SECTION A-A
Typical Installation



SECTION A-A
Total Silt Containment

- 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 depth includes expected water depth plus wave height to a maximum of 10 feet.
- ③ Silt Curtain depth is variable based upon expected water depth plus wave height.
- ④ When total silt containment is specified, remove by pulling buoy towards land until it reaches trench line. Remove entrenched fabric and pull both ends up and out of the water. Move silt and fabric offsite to ensure total silt containment.
- ⑤ Minimum average roll value.

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 ⑤	300 lbs	500 lbs
Flotation	6 Inch diameter Marine quality expanded polystyrene	8 Inch 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

LEGEND	
	Buoy ①
	Edge of Water
	Water Surface
	Work Area

**Iowa Department
of Transportation**

STANDARD ROAD PLAN

REVISIONS: New. Replaces RC-18. Added Section A-A to sheet 2.

Deanna McFalls
APPROVED BY DESIGN METHODS ENGINEER

REVISION	
New	04-20-10

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SHEET 2 of 2

FLOATING SILT CURTAIN