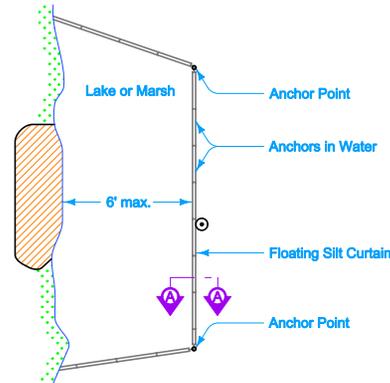
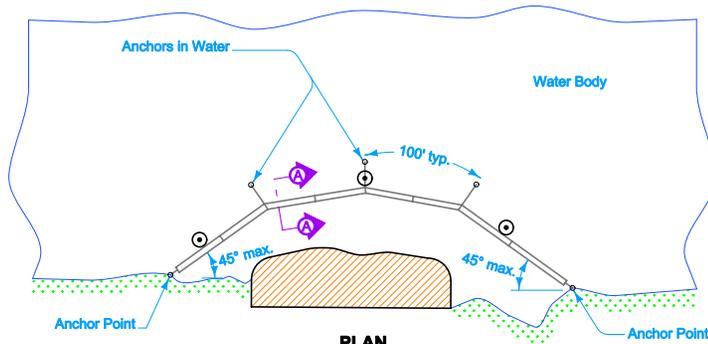


**PLAN**  
Locations with pipe  
Under stream crossing or causeway



**PLAN**  
Still Water Only



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

| LEGEND |               |
|--------|---------------|
|        | Buoy ①        |
|        | Edge of Water |
|        | Work Area     |

Keep silt curtain as close to work area as possible.

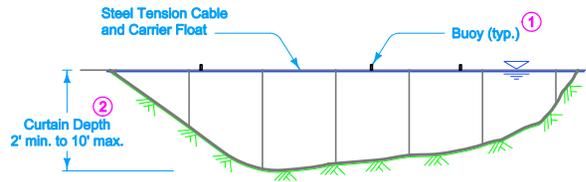
Anchors and weights are to be as recommended by manufacturer. Construct floating silt curtain of fabric fastened to a flotation carrier and weighted along the bottom edge. Depth of curtain is the dimension of the curtain fabric extending below the flotation, i.e. hanging in the water. Upon completion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

Install according to Hanging Installation unless otherwise specified.

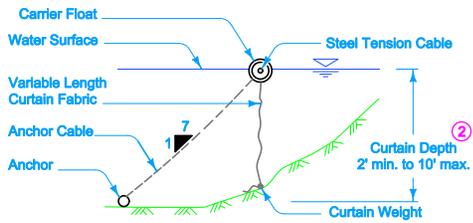
- ① On U.S. Coast Guard or other motorized waterways, buoy are required to mark the ends and special areas for visibility. Place buoys as required for navigational purposes.

Possible Contract Items:  
Floating Silt Curtain, Hanging  
Floating Silt Curtain, Total Containment

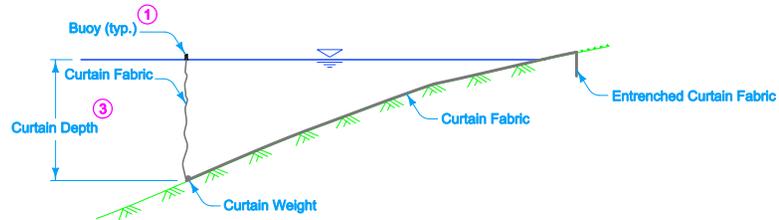
|   |               |
|---|---------------|
| <br><b>Iowa Department of Transportation</b><br><b>STANDARD ROAD PLAN</b>           | REVISION      |
|   | 1   04-19-11  |
|   | <b>EC-202</b> |
| SHEET 1 of 2  |               |
| REVISIONS: Modified general notes, possible contract item names, and Section names. |               |
| <br>APPROVED BY DESIGN METHODS ENGINEER   |               |
| <b>FLOATING SILT CURTAIN</b>  |               |



PROFILE



SECTION A-A  
Hanging Installation



SECTION A-A  
Total Containment Installation

- 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                             |



|   |   |          |          |
|---|---|----------|----------|
| <p>Iowa Department of Transportation</p> <p><b>STANDARD ROAD PLAN</b></p> <p>REVISIONS: Modified general notes, possible contract item names, and Section names.</p> <p><i>Deanna McFalls</i><br/>APPROVED BY DESIGN METHODS ENGINEER</p> | <p>REVISION</p> <table border="1"> <tr> <td>1</td> <td>04-19-11</td> </tr> </table> | 1        | 04-19-11 |
|   | 1   | 04-19-11 |          |
|   | <p><b>EC-202</b></p> <p>SHEET 2 of 2</p>  |          |          |
| <p><b>FLOATING SILT CURTAIN</b></p>   |   |          |          |