

PLAN FOR SILT FENCE

Install all silt fence using a silt fence machine. Use manual (trench) installation if physical conditions prohibit machine installation.

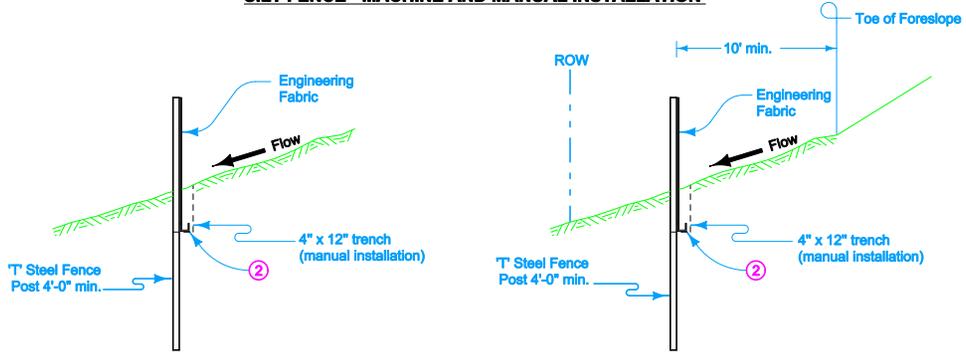
For machine installation, compact by driving over each side of silt fence at least two times with device exerting 60 p.s.i. or greater.

For manual installation, compact with a mechanical or pneumatic tamper.

Place silt fence continuously up to a maximum length of 200 feet. For every segment of silt fence that is placed, flare up the slope the last 20 feet of the segment to contain runoff as shown.

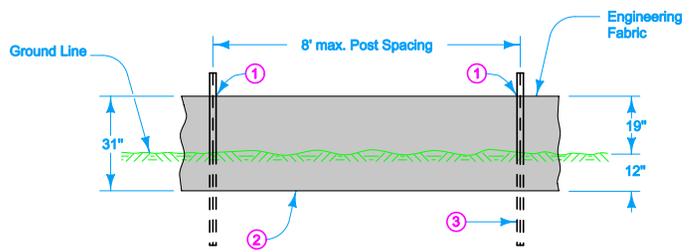
- ① Secure top of engineering fabric to steel posts using cable ties (50 lb.) or wire. See back view attachment to post.
- ② For manual installation only, fold engineering fabric along bottom of trench.
- ③ Embed all posts 28 inches below the ground line.

SILT FENCE - MACHINE AND MANUAL INSTALLATION

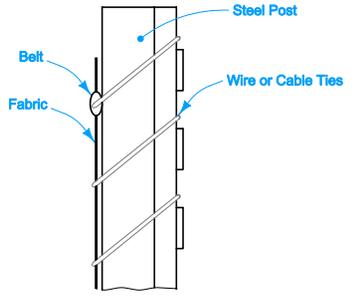


SECTION A-A

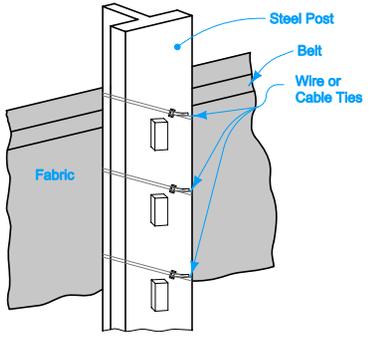
SECTION B-B



FRONT VIEW



PROFILE VIEW ATTACHMENT TO POST



BACK VIEW ATTACHMENT TO POST



Possible Contract Items:
Silt Fence
Silt Fence for Ditch Checks

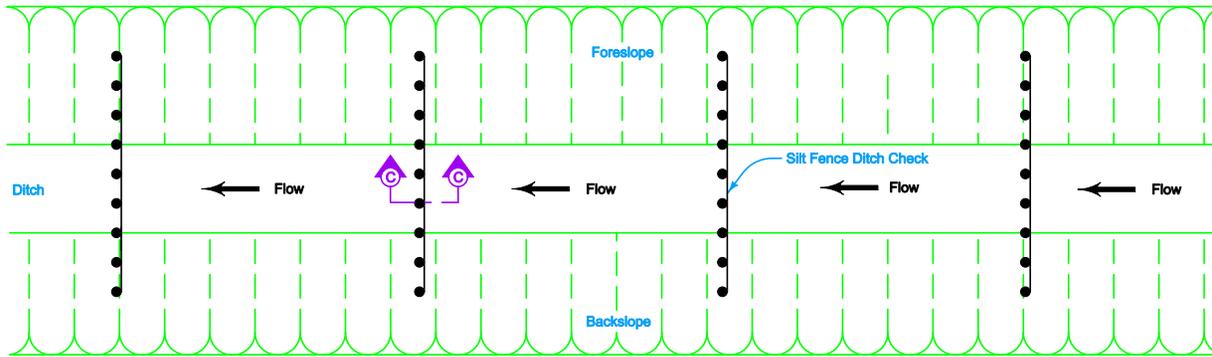
Possible Tabulations:
100-17
100-18

 Iowa Department of Transportation	REVISION
	New 04-20-10
STANDARD ROAD PLAN	EC-201
SHEET 1 of 3	

REVISIONS: New. Replaces RC-17.

Deanna McFalls
APPROVED BY DESIGN METHODS ENGINEER

SILT FENCE

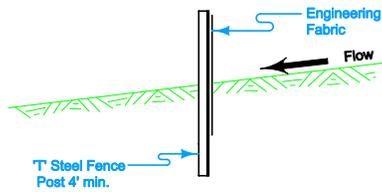


PLAN FOR DITCH CHECK

- ① Secure top of engineering fabric to steel posts using cable ties (50 lb.) or wire. See attachment to post.
- ② For manual installation only, fold engineering fabric along bottom of trench.
- ③ Embed all posts 28 inches below the ground line.
- ④ Locate posts at toe of foreslope and toe of backslope and space remaining posts equally.
- ⑤ The minimum end span of ditch check from the toe of slope will be according to the following table:

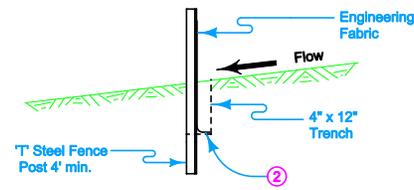
Foreslope or Backslope	Width
6:1	12'
6:1/3.5:1	10'
6:1/3:1	9'
3.5:1	7'
3:1	6'

DITCH CHECK - MACHINE INSTALLATION

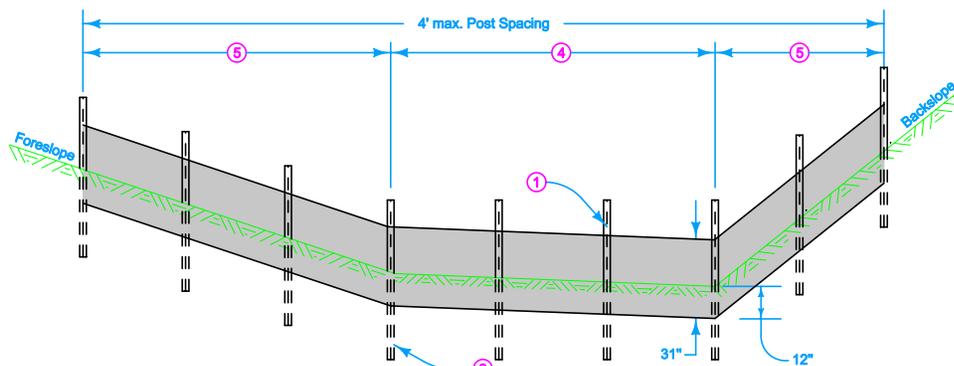


SECTION C-C

DITCH CHECK - MANUAL INSTALLATION



SECTION C-C

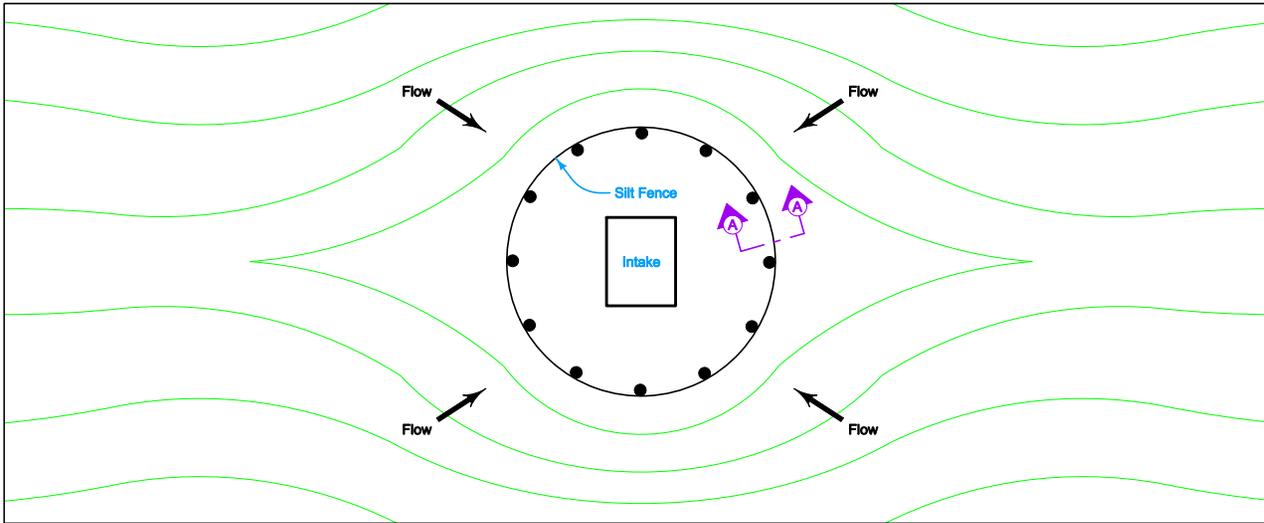


FRONT VIEW

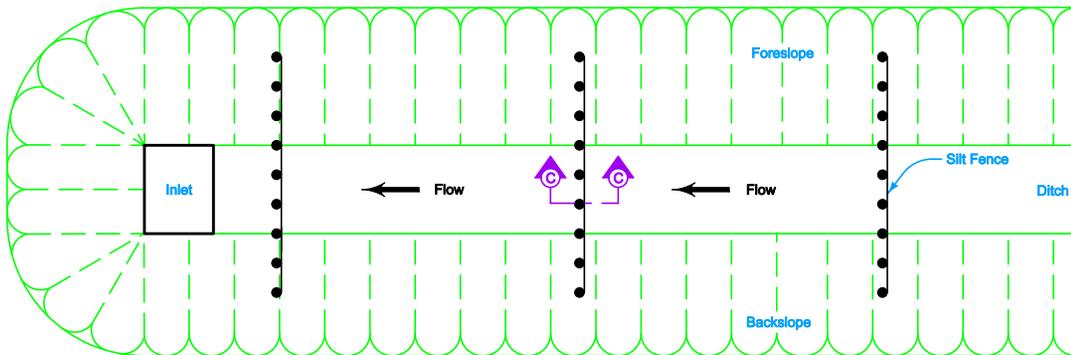
<p>Iowa Department of Transportation</p>	REVISION
	New 04-20-10
STANDARD ROAD PLAN	EC-201
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Deanna Mairfeld

SILT FENCE



PLAN FOR SILT FENCE AT INTAKE



PLAN FOR SILT FENCE DITCH CHECK AT INLET

 Contour Lines

 Iowa Department of Transportation	REVISION
	New 04-20-10
STANDARD ROAD PLAN	EC-201
REVISIONS: New. Replaces RC-17.	SHEET 3 of 3
<i>Deanna Mifflin</i> APPROVED BY DESIGN METHODS ENGINEER	
SILT FENCE	