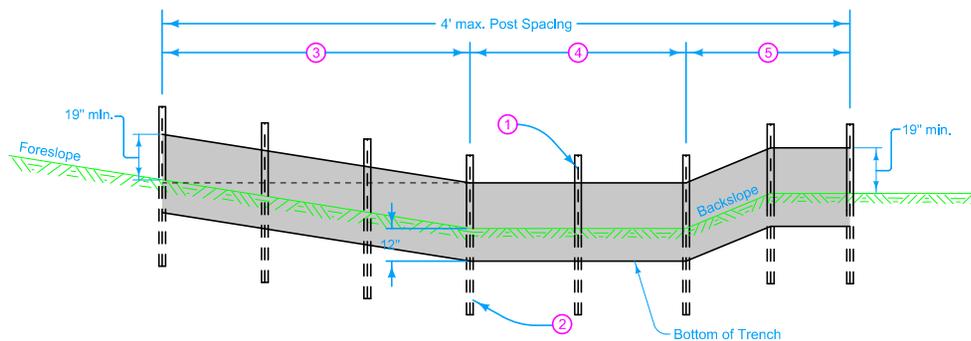
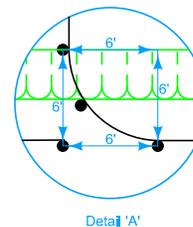


PLAN FOR SILT DITCH (SHALLOW DITCH SECTION-TYPE 4) <sup>⑥</sup>



FRONT VIEW



Detail 'A'

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.

- ① Secure top of engineering fabric to steel posts using cable ties (50 lb.) or wire. See attachment to post.
- ② Embed all posts 28 inches below the ground line.
- ③ The minimum end span (in feet) = 2 X Foreslope (H:V).
- ④ Locate posts at toe of foreslope and toe of backslope and space remaining posts equally.
- ⑤ Place posts as shown in Detail 'A' to transition from transverse to parallel installation. Place one post at the backslope intercept and the other beyond the intercept.
- ⑥ Refer to Tab. 100-18.

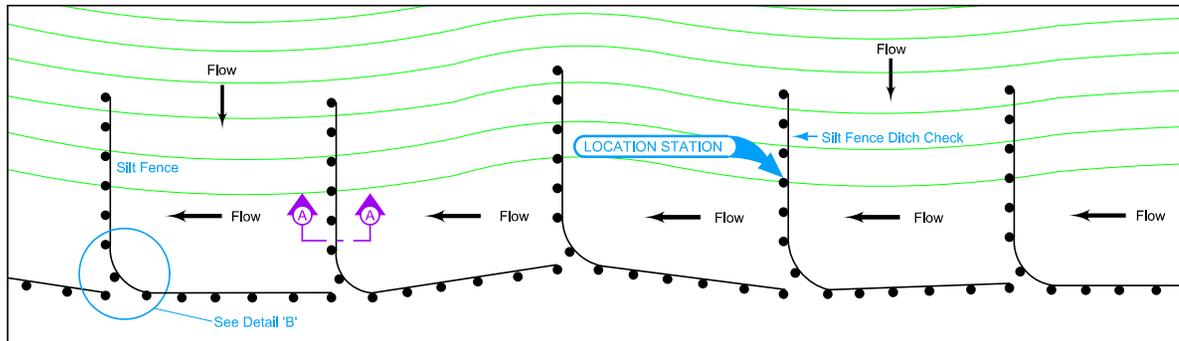
Possible Contract Items:  
Silt Fence for Ditch Checks

Possible Tabulations:  
100-18

<b>IOWA DOT</b>	REVISION	
	NEW	10-18-16
<b>ROAD DESIGN DETAIL</b>		<b>570-4</b>
		SHEET 1 of 3

REVISIONS: NEW

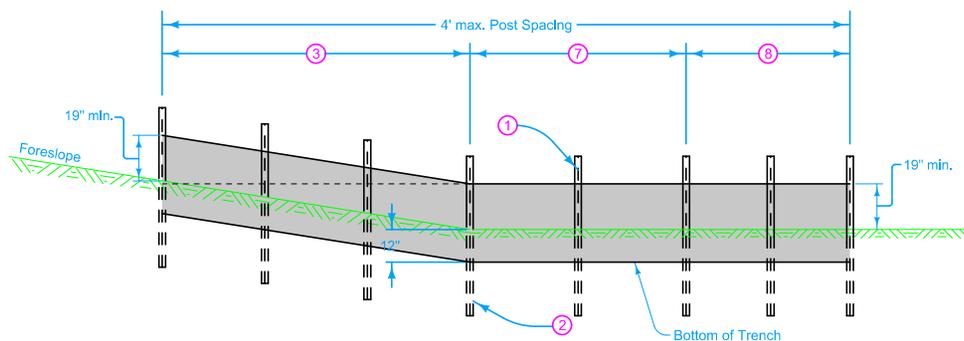
**SILT FENCE INSTALLATION  
FOR SHALLOW OR NO DITCH**



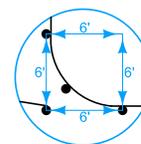
PLAN FOR SILT FENCE (NO DITCH SECTION-TYPE 5) (6)

- ① Secure top of engineering fabric to steel posts using cable ties (50 lb.) or wire. See attachment to post.
- ② Embed all posts 28 inches below the ground line.
- ③ The minimum end span (in feet) = 2 X Foreslope (H:V).
- ④ Refer to tabulation 100-18.
- ⑤ Locate post at toe of foreslope. Locate 2 additional posts at 4 foot spacing.
- ⑥ Place posts as shown in Detail 'B' to transition from transverse to parallel installation. The parallel portion of the installation should approximately parallel the intercept of the foreslope.

 Contour Lines



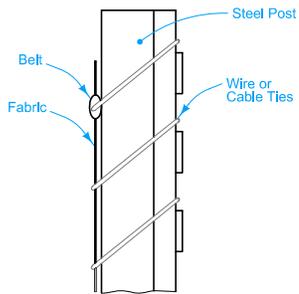
FRONT VIEW



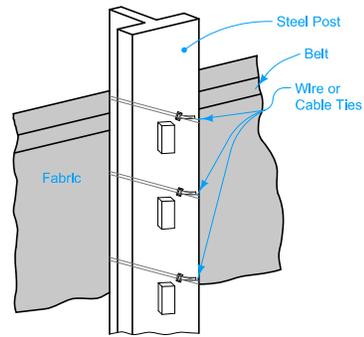
Detail 'B'

<b>IOWA DOT</b>	REVISION	
	NEW	10-18-16
<b>ROAD DESIGN DETAIL</b>		<b>570-4</b>
REVISIONS: NEW		SHEET 2 of 3

**SILT FENCE INSTALLATION  
FOR SHALLOW OR NO DITCH**



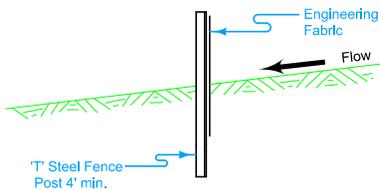
**PROFILE VIEW  
ATTACHMENT TO POST**



**BACK VIEW  
ATTACHMENT TO POST**

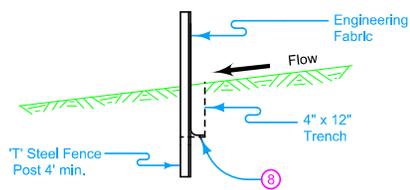
⑧ For manual installation only, fold engineering fabric along bottom of trench.

**DITCH CHECK - MACHINE INSTALLATION**



**SECTION A-A**

**DITCH CHECK - MANUAL INSTALLATION**



**SECTION A-A**

<b>IOWA DOT</b>	REVISION	
	NEW	10-18-16
<b>ROAD DESIGN DETAIL</b>		<b>570-4</b>
		SHEET 3 of 3

REVISIONS: NEW

**SILT FENCE INSTALLATION  
FOR SHALLOW OR NO DITCH**