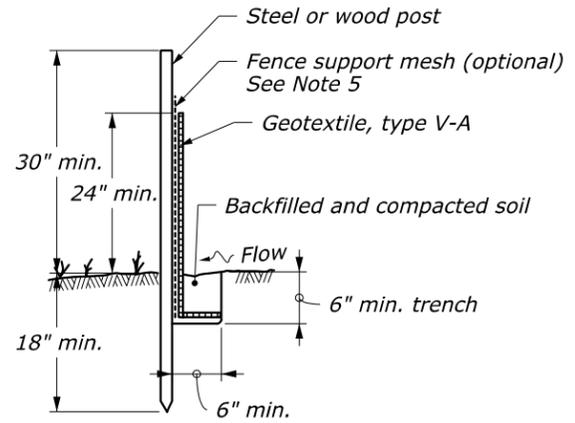
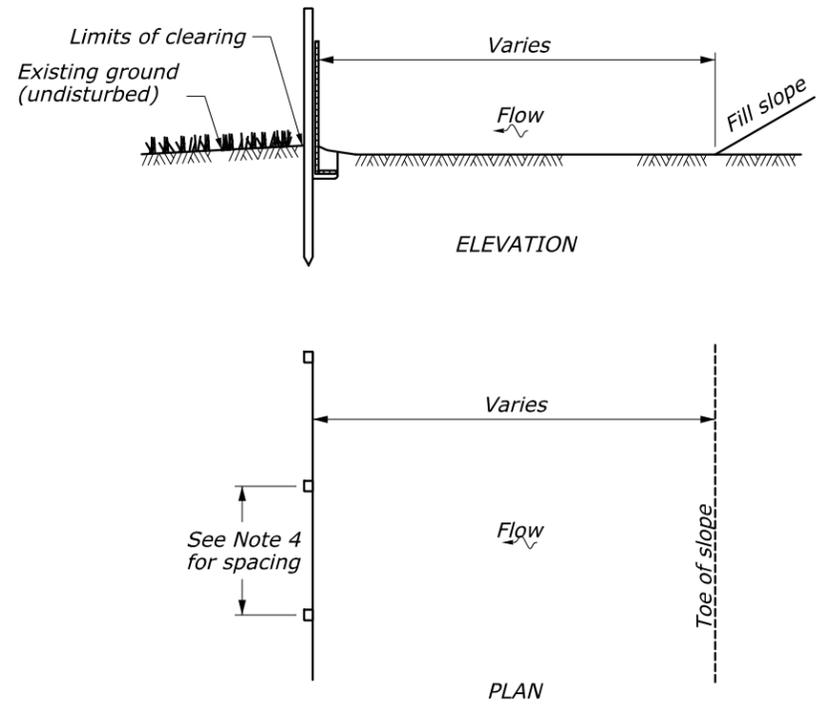


REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
•	•	•	•	•

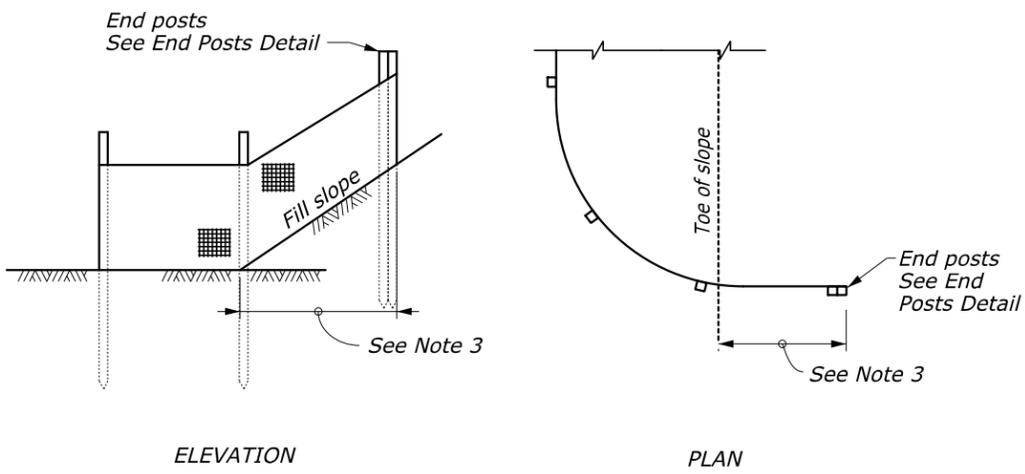


POST AND GEOTEXTILE INSTALLATION DETAIL

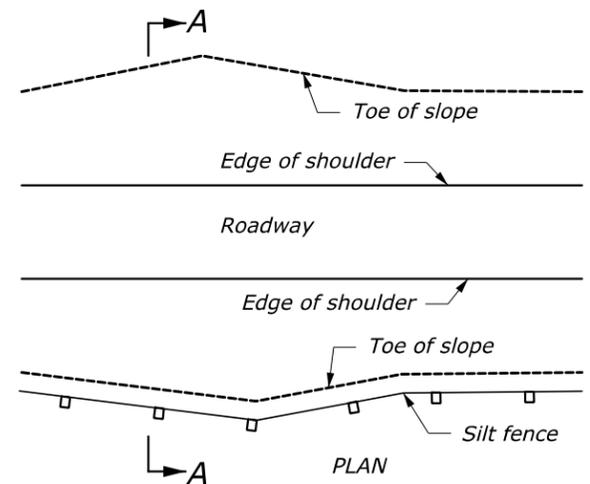


SILT FENCE INSTALLATION AT TOE OF FILL

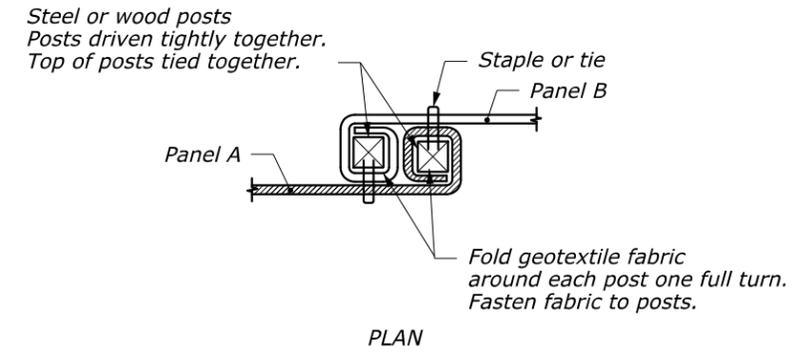
- NOTE:**
- Silt fence may be installed using machine slicing as approved by the CO. Install machine-sliced silt fence according to the manufacturer's recommendations.
 - Install silt fence to follow the ground contours as closely as possible.
 - Curve the silt fence up the slope to prevent water from running around the ends.
 - Post spacing with fence support mesh = 10 ft. (max.)
Post spacing without fence support mesh = 6 ft. (max.)
 - Silt fence support mesh consists of 14-gauge steel wire with a mesh spacing of 6 in. x 6 in. or prefabricated polymeric mesh of equivalent strength.



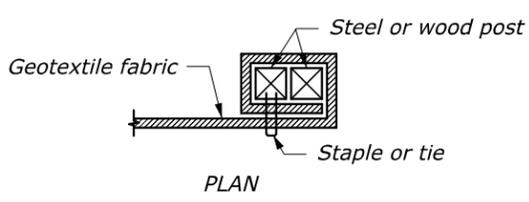
END DETAIL



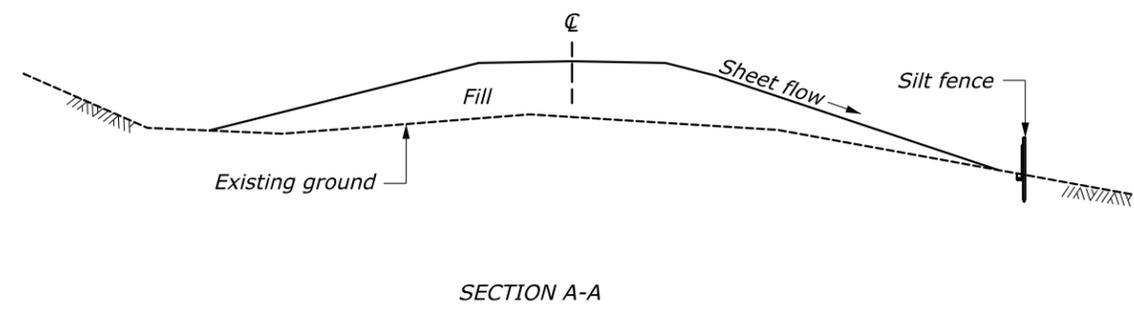
SILT FENCE AS PERIMETER CONTROL



POSTS AT JOINTS



END POSTS DETAIL



SECTION A-A

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
SILT FENCE	
DETAIL APPROVED FOR USE 01/2011	DETAIL
REVISED:	C157-50

NO SCALE

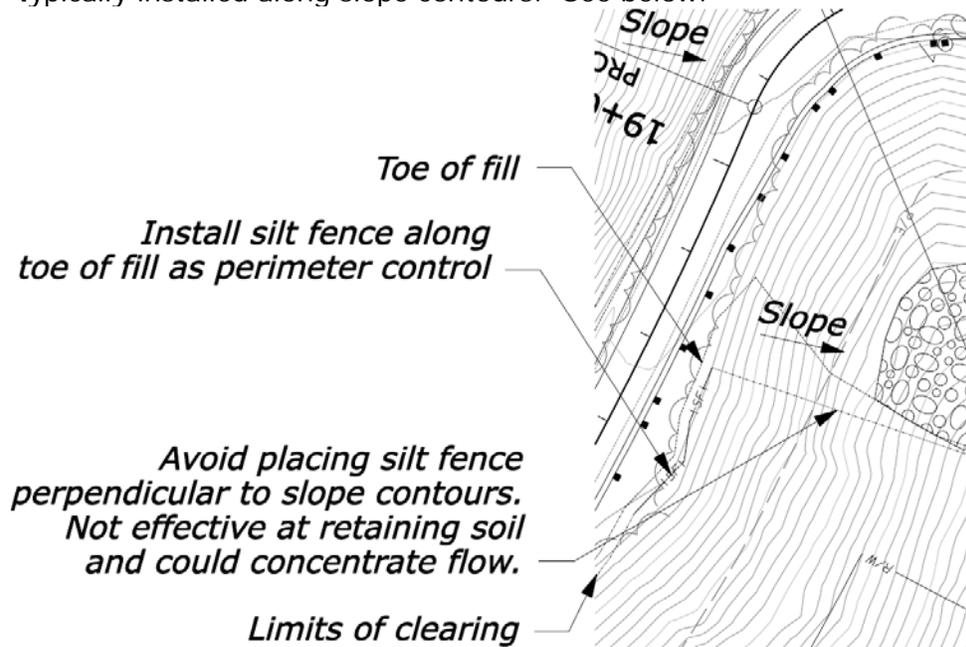
19-Jan-2011 09:39:46 AM N:\CFL-DPIT\Details Team\in_progress\157_erosion_control\files_in_progress\C157-50.dgn

NOTES TO THE DESIGNER

Last Updated: January 2011

General Information

1. **Appropriate Applications.** Silt fences filter and allow settlement of soil particles from sediment-laden water. Silt fences may be placed:
 - Below the toe of exposed and erodible slopes;
 - Along slope contours (not on gradients);
 - Around temporary stockpiles;
 - Along streams and channels; and
 - Along the perimeter of a project to contain sediments within project limits.
2. **Limitations.**
 - Silt fence is used only in sheet flow conditions, not in concentrated flow areas.
 - Silt fence is typically installed along the contour (constant elevation), not on slopes, to avoid channelizing water
3. **Layout Guidance.**
 - Maximum length of slope draining to any point along the silt fence is 200 feet or less.
 - Slope of area draining to silt fence is 1V:1H or flatter.
 - Avoid installing silt fence on slopes as much as possible – silt fence is typically installed along slope contours. See below:





Applicable SCRs

1. Section 157:
http://www.cflhd.gov/design/_documents/construction/scr_03/S157-03E.doc
2. Section 713.16:
http://www.cflhd.gov/design/_documents/construction/scr_03/S713-03E.doc

Typical Pay Item Used

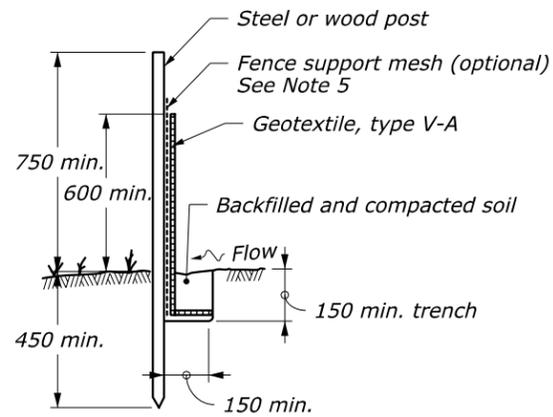
- 15705-0100 Soil erosion control, silt fence [LNFT]

Updates

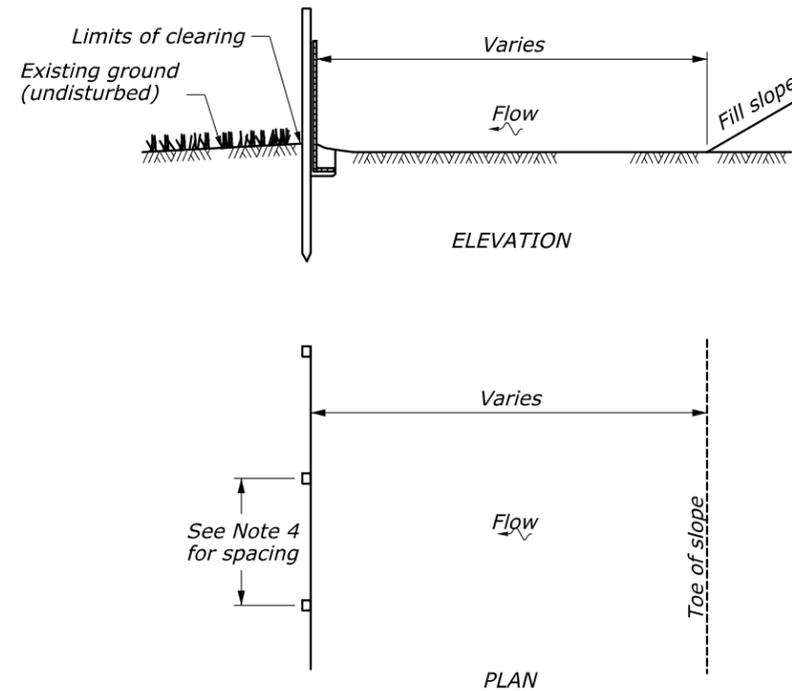
January 2011

- Updated FLH Standard drawing by:
 - Removing silt fence in drainage ditch drawings and notes
 - Adding more installation notes and drawings

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
•	•	•	•	•



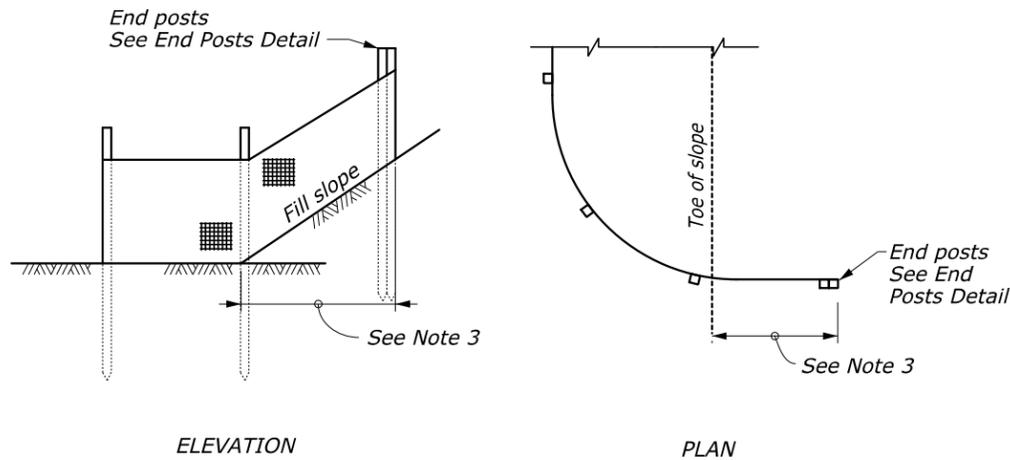
POST AND GEOTEXTILE INSTALLATION DETAIL



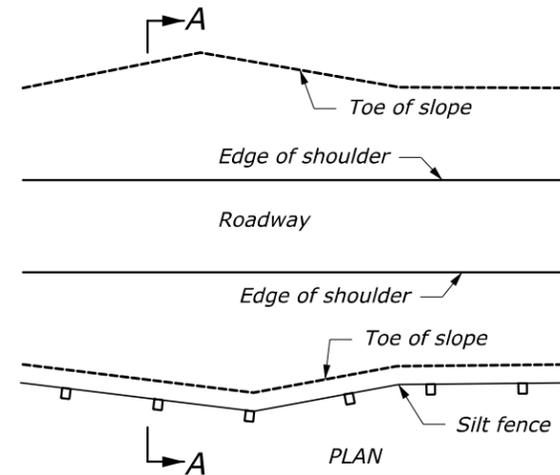
SILT FENCE INSTALLATION AT TOE OF FILL

NOTE:

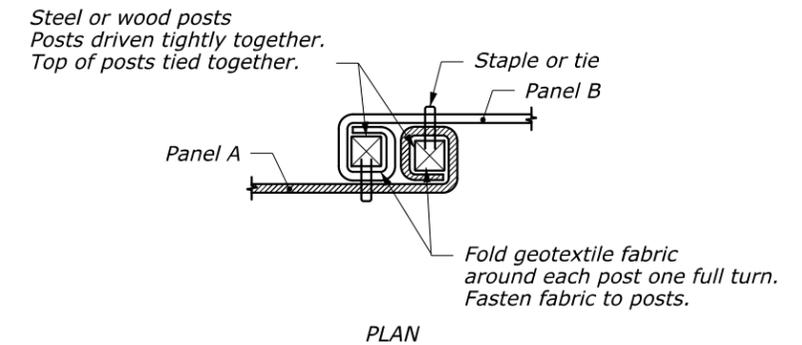
1. Silt fence may be installed using machine slicing as approved by the CO. Install machine-sliced silt fence according to the manufacturer's recommendations.
2. Install silt fence to follow the ground contours as closely as possible.
3. Curve the silt fence up the slope to prevent water from running around the ends.
4. Post spacing with fence support mesh = 3 m (max.)
Post spacing without fence support mesh = 1.8 m (max.)
5. Silt fence support mesh consists of 1.6 mm thick steel wire with a mesh spacing of 150 mm x 150 mm or prefabricated polymeric mesh of equivalent strength.
6. Dimensions without units are millimeters



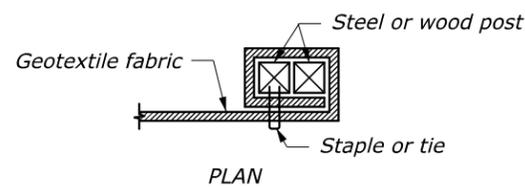
END DETAIL



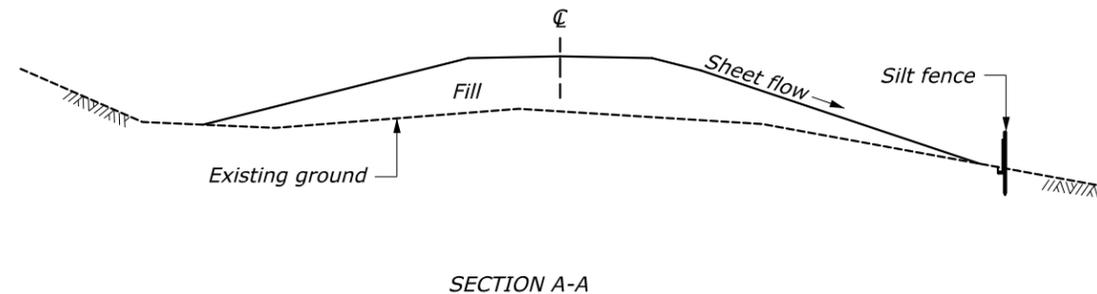
SILT FENCE AS PERIMETER CONTROL



POSTS AT JOINTS



END POSTS DETAIL



SECTION A-A

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL	
SILT FENCE	
DETAIL APPROVED FOR USE 12/2010	DETAIL
REVISED:	CM157-50

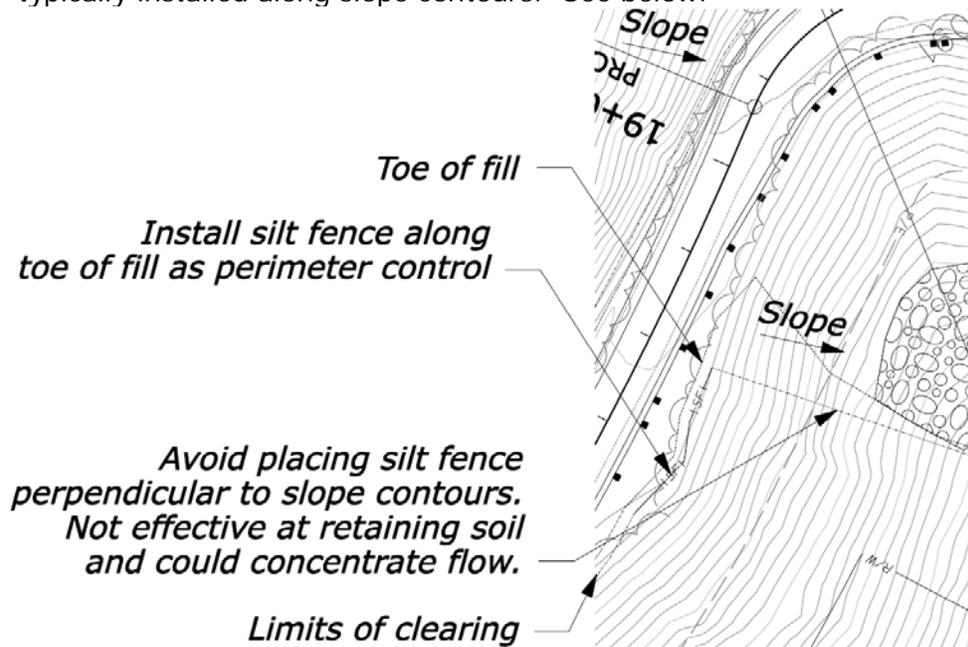
NO SCALE

NOTES TO THE DESIGNER

Last Updated: January 2011

General Information

1. **Appropriate Applications.** Silt fences filter and allow settlement of soil particles from sediment-laden water. Silt fences may be placed:
 - Below the toe of exposed and erodible slopes;
 - Along slope contours (not on gradients);
 - Around temporary stockpiles;
 - Along streams and channels; and
 - Along the perimeter of a project to contain sediments within project limits.
2. **Limitations.**
 - Silt fence is used only in sheet flow conditions, not in concentrated flow areas.
 - Silt fence is typically installed along the contour (constant elevation), not on slopes, to avoid channelizing water
3. **Layout Guidance.**
 - Maximum length of slope draining to any point along the silt fence is 60 meters or less.
 - Slope of area draining to silt fence is 1V:1H or flatter.
 - Avoid installing silt fence on slopes as much as possible – silt fence is typically installed along slope contours. See below:





Applicable SCRs

1. Section 157:
http://www.cflhd.gov/design/_documents/construction/scr_03/S157-03M.doc
2. Section 713.16:
http://www.cflhd.gov/design/_documents/construction/scr_03/S713-03M.doc

Typical Pay Item Used

- 15705-0100 Soil erosion control, silt fence [m]

Updates

December 2010

- Updated FLH Standard drawing by:
 - Removing silt fence in drainage ditch drawings and notes
 - Adding more installation notes and drawings