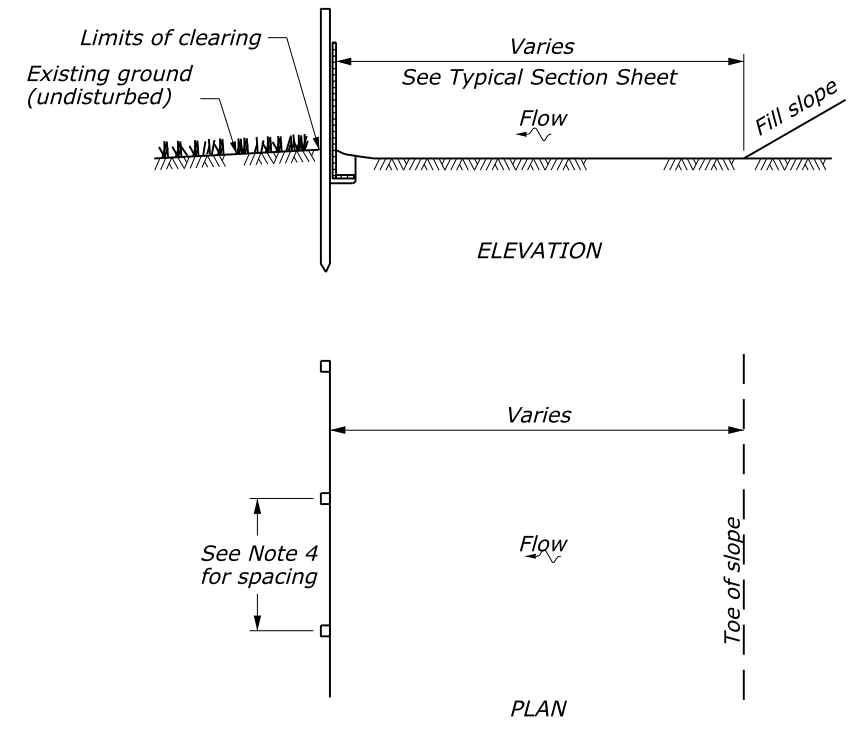
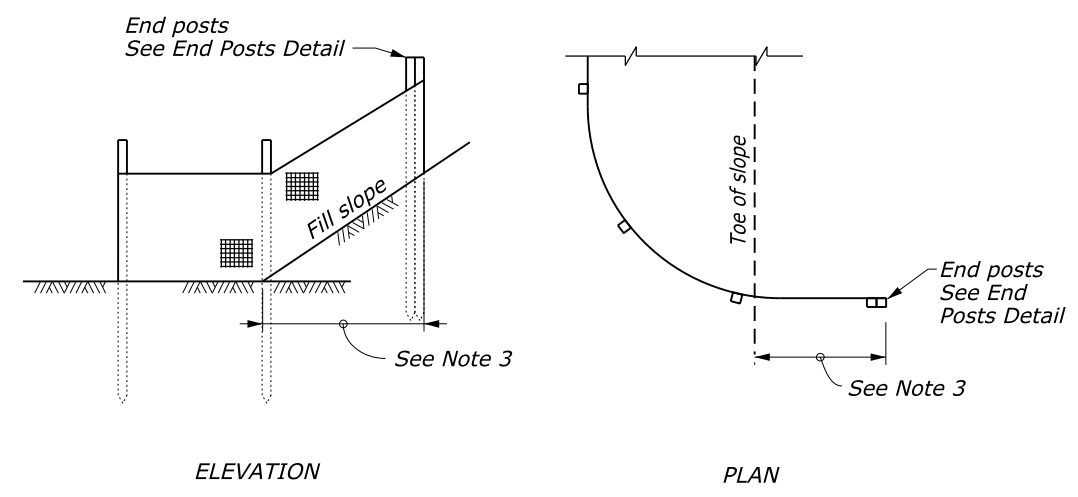


POST AND GEOTEXTILE INSTALLATION DETAIL

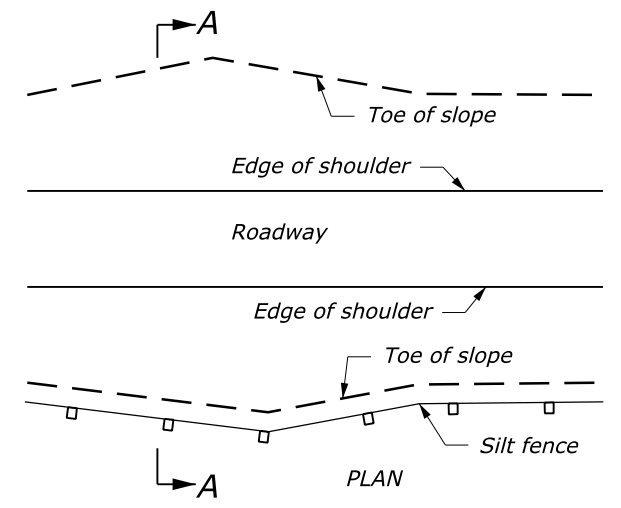


SILT FENCE INSTALLATION AT TOE OF FILL

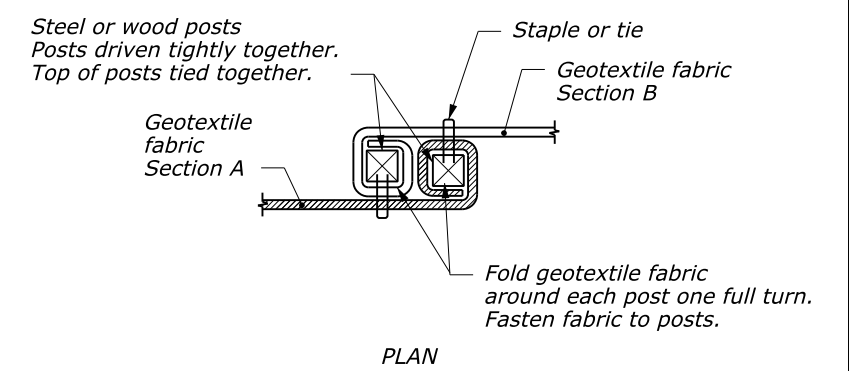
- NOTE:**
1. Silt fence may be installed using machine slicing as approved by the CO. Install machine-sliced silt fence according to the manufacturer's recommendations.
 2. Install silt fence to follow the ground contours as closely as possible.
 3. As the slope is constructed, curve the silt fence up the slope to prevent water from running around the ends.
 4. Post spacing *with* fence support mesh = 10 ft. (max.)
Post spacing *without* fence support mesh = 6 ft. (max.)



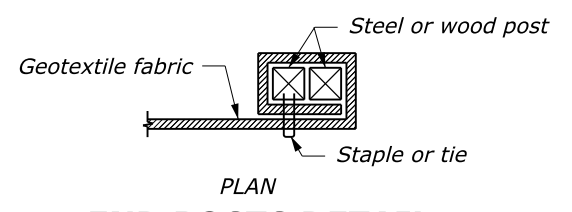
END DETAIL



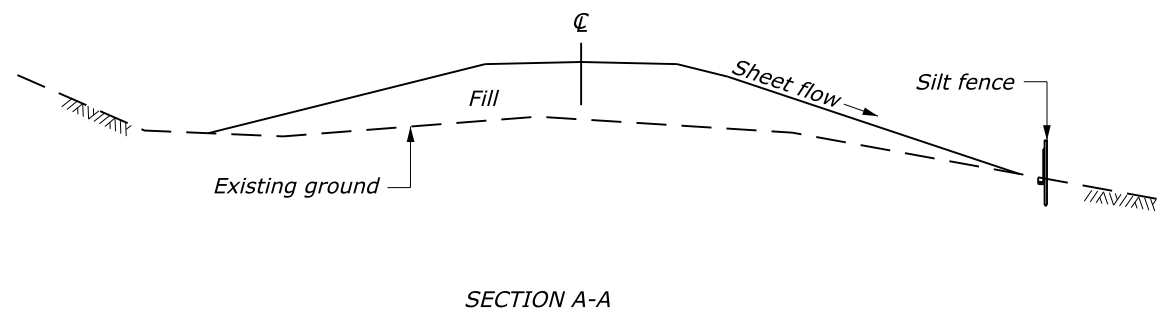
SILT FENCE AS PERIMETER CONTROL



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
REVISED: 08/2014

DETAIL
C157-50

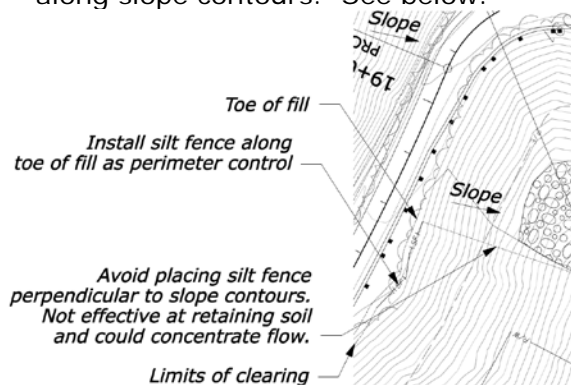
NO SCALE

User: 9:56:31 AM N:\CFL-DPT\Drawings\FP-14\FP14_Details\C157-50.dgn 9/22/2014

NOTES TO THE DESIGNER
Last Updated: August 2014

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

None

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

August 2014

- Updated for FP-14
- Updated border