

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0380(9)	2000	110	380

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
GENERAL NOTES

A. Erosion and Sediment Control Inspection and Maintenance Practices:

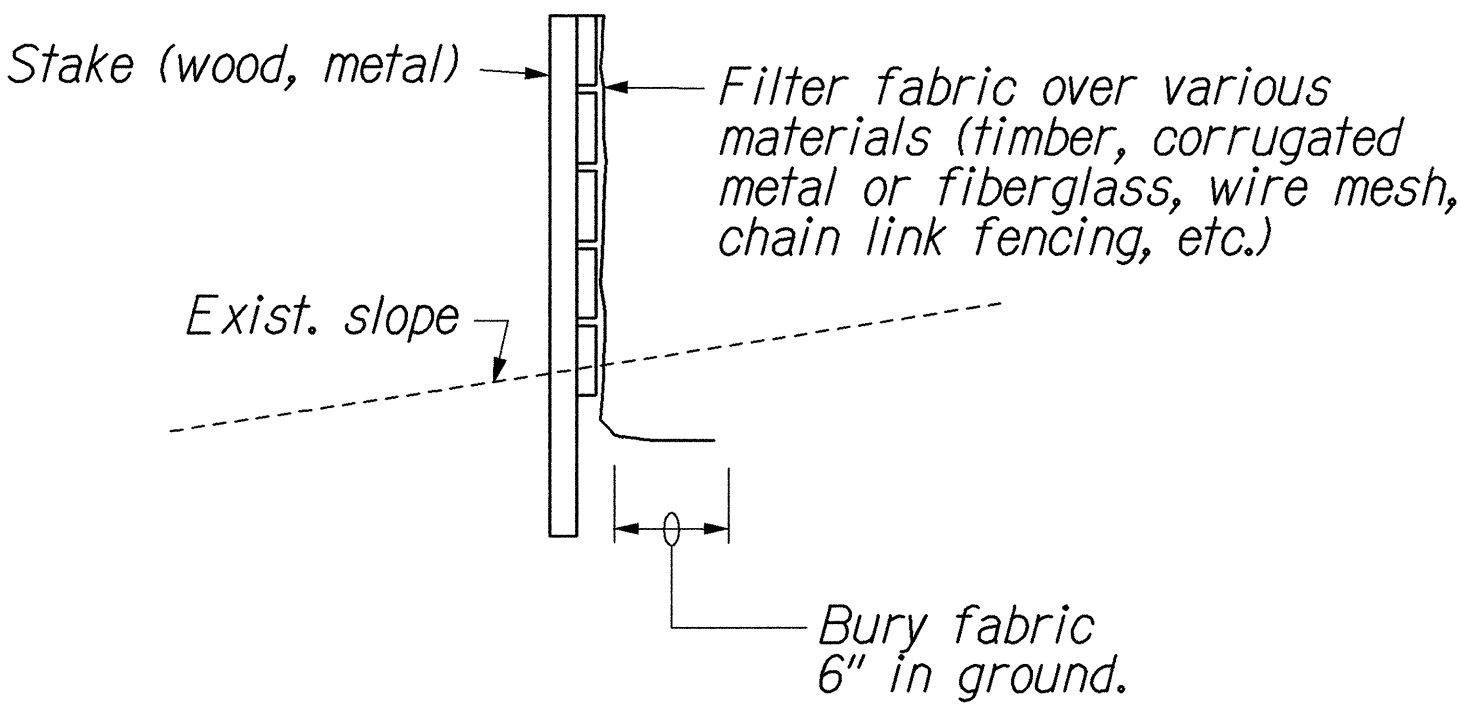
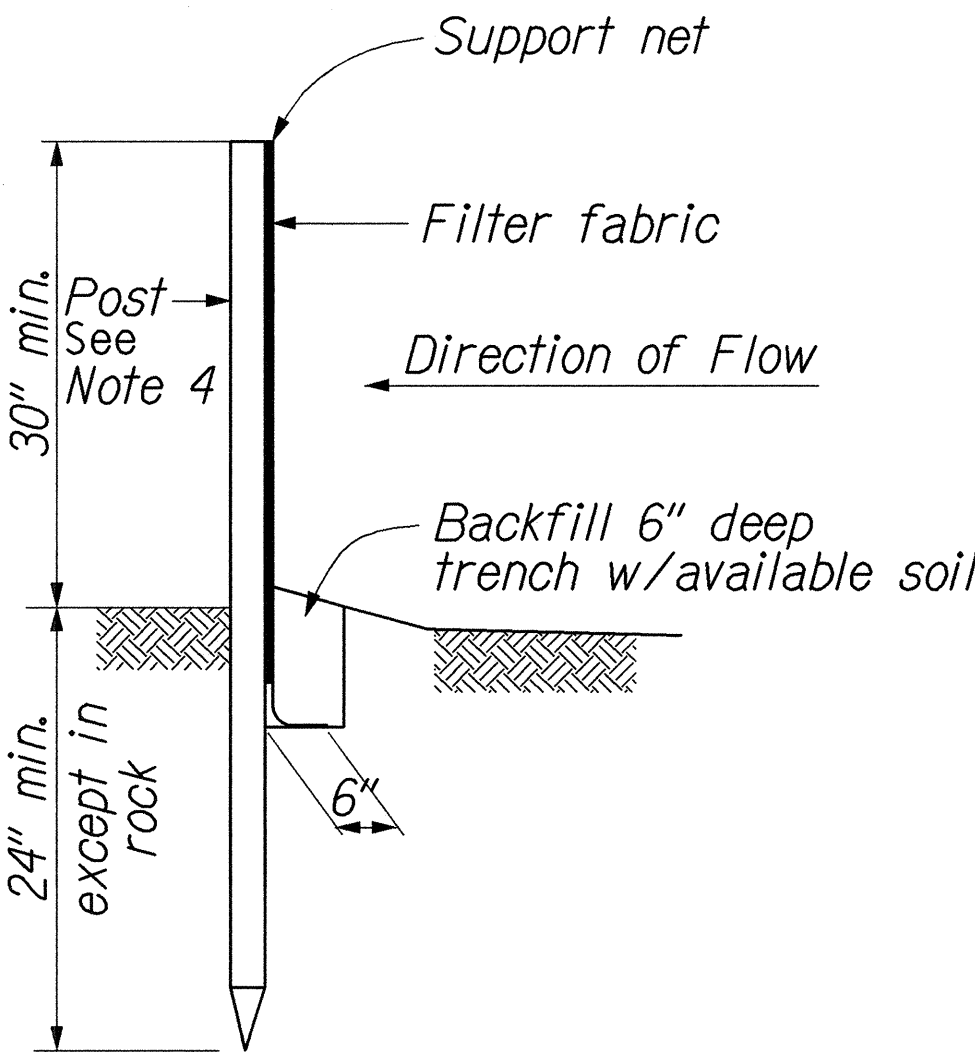
- (1) The Contractor shall inspect the erosion and sediment control measures at least once a week or after 0.5 inches of rainfall, or greater.
- (2) The Contractor shall maintain the erosion and sediment control measures according to the contract. If a repair is necessary, the Contractor shall initiate the repairs within twenty-four (24) hours after the inspection such as:
 - (a) When sediment build-up reaches one-third (1/3) the height of the silt fence, the Contractor shall remove and dispose of the sediment build-up from the silt fence.
 - (b) When the depth of the sediment basin reaches ten percent (10%) of the design capacity, the Contractor shall remove and dispose of the sediment build-up.
 - (c) When tears are found on the silt fence, the Contractor shall replace the fabric.
 - (d) The Contractor shall check to see if the fabric is securely attached to the fence posts and to see that the fence posts are firmly in the ground.
 - (e) The Contractor shall inspect the diversion dike and repair the breaches.
 - (f) The Contractor shall inspect temporary and permanent seeding and planting for bare spots, washouts, and healthy growth.
- (3) The Contractor shall have its personnel make a maintenance inspection report promptly after each inspection. The Contractor shall select a minimum of three (3) personnel who will be responsible for inspection, maintenance, repair activities, and filling out the inspection and maintenance report. Personnel selected for the inspection and maintenance responsibilities will receive training from the Contractor. The Contractor shall train these personnel in the inspection and maintenance practices necessary for keeping the erosion and sediment used onsite according to the contract.

B. Submittal Requirements:

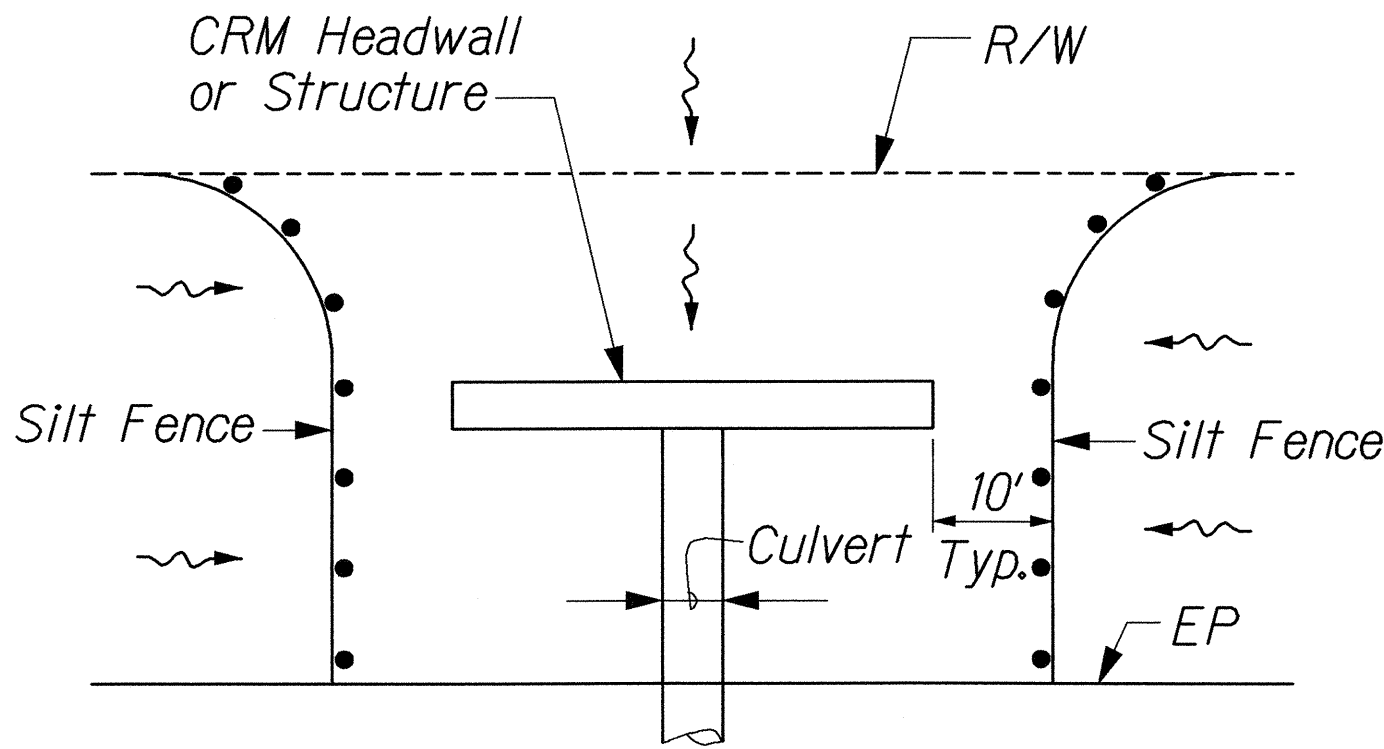
- (1) Any citation (fine) received by the State for non-compliance of the NPDES Permit requirements shall be deducted from the progress payment.
- (2) Construction activities of five (5) acres or more.
 - (a) Storm water discharge into State waters due to construction activities of five (5) acres or more, will require an NPDES from the Department of Health (DOH). The Contractor shall submit to the Engineer four (4) sets of Site Specific Best Management Plans (BMP). The Plans shall be submitted no later than thirty (30) calendar days before State approval to begin construction.
 - (b) No construction activities will be authorized until the Contractor's Site-Specific BMP has been approved by the Highways Division.

SILT FENCE NOTES:

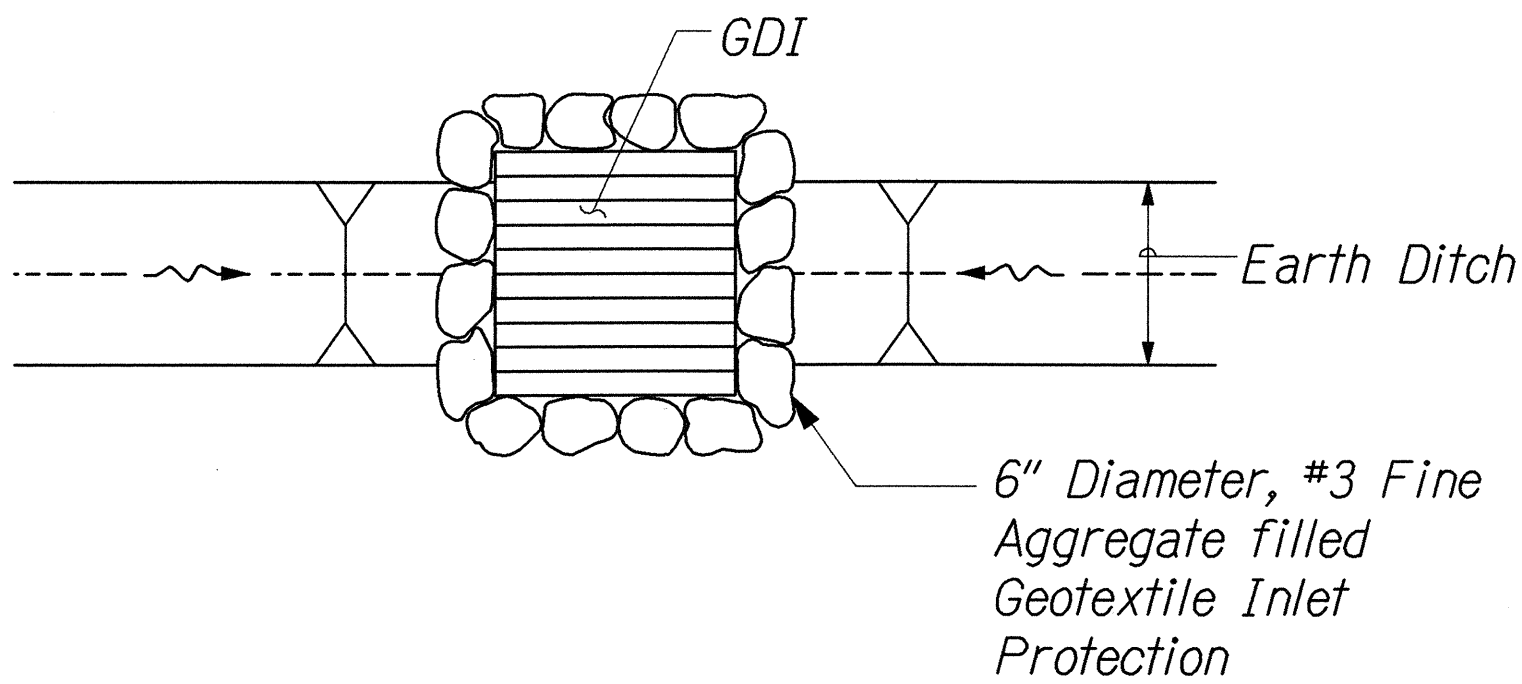
1. Filter fabric shall be of the type specified and installed in combination with a support net of polyester netting or approved equal. The filter fabric shall be a minimum of 36 inches wide and the support net a minimum of 30 inches.
2. If silt fence is obtained from manufacturer as a package (i.e. fabric attached to post) the manufacturers installation instructions shall be adhered to.
3. Posts shall be metal where possible, cross section of post will be substantial enough to support a loaded silt fence without bending. Post spacing shall be 4 feet to 8 feet, depending on post size.
4. Some manufacturers only supply silt fence with wooden post. During installation, measures should be taken to prevent damage to post.



SILT FENCE DETAIL
Not to Scale



TEMPORARY EROSION CONTROL
SILT FENCE AT HEADWALL OR STRUCTURE
Not to Scale



TEMPORARY EROSION CONTROL
SANDBAGS AT GDI
Not to Scale

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
R. Urasmay 9/14/01

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

NPDES GENERAL NOTES

KUIHELANI HIGHWAY WIDENING
HONOAPIILANI HIGHWAY TO PUUNENE AVENUE
FEDERAL-AID PROJECT NO. NH-0380(9)
Scale: None Date: Sept. 14, 2001