

BEST MANAGEMENT PRACTICE NOTES:

The following special conditions apply to all land disturbance work conducted under this general permit:

- a) Construction Management Techniques
  - (1) Clearing and grubbing shall be held to the minimum necessary for grading and equipment operation.
  - (2) Construction shall be sequenced to minimize the exposure time of the cleared surface area.
  - (3) Construction shall be staged or phased for large projects. Areas of one phase shall be stabilized before another phase is initiated. Stabilization shall be accomplished by temporarily or permanently protecting the disturbed soil surface from rainfall impacts and runoff.
  - (4) All control measures shall be checked and repaired as necessary, for example, weekly in dry periods and within twenty-four hours after any rainfall of 0.5 inches or greater within a 24-hour period. During prolonged rainfall, daily checking is necessary. The permittee shall maintain records of checks and repairs.
  - (5) The permittee shall maintain records of the duration and estimated volume of storm water discharge(s).
  - (6) The Contractor shall designate a specific individual to be responsible for erosion and sediment controls on each project site.
- b) Vegetation Controls
  - (1) Pre-construction vegetative ground cover shall not be destroyed, removed, or disturbed more than twenty calendar days prior to land disturbance.
  - (2) Temporary soil stabilization with appropriate vegetation shall be applied on areas that will remain unfinished for more than thirty calendar days.
  - (3) Permanent soil stabilization with perennial vegetation or pavement shall be applied as soon as practical after final grading. Irrigation and maintenance of the perennial vegetation shall be provided for thirty calendar days or until the vegetation takes root, whichever is shorter.
- c) Structural Controls
  - (1) Storm water flowing toward the construction area shall be diverted by using appropriate control measures, according to the Erosion Control Plan, Sheet EC-2.
  - (2) Erosion control measures shall be designed according to the size of disturbed or drainage areas to detain runoff and trap sediment.
- d) Grading Controls
  - (1) All grading work will be done in conformance with the latest edition of the Soil Erosion Standards and Guidelines, Department of Public Works, City & County of Honolulu; and applicable provisions of Chapter 54, Water Quality Standards, and Chapter 55, Water Pollution Control, Title 11, Administrative Rules of the State Department of Health. 

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- e) Erosion and Sediment Controls
  - (1) Erosion and sediment controls will consist of silt fences, storm drain inlet protective measures, stabilized construction entrances and any additional control measures shown on the Erosion Control Plan, Sheet EC-2. Erosion and sediment controls will be in place until construction is complete.
  - (2) Storm drain inlet protective measures will be installed around existing and new drain inlets to prevent sediment from entering the storm drain system.

- (3) Dust mitigation measures include:
  - 1. Installation of a dust screen as shown on the Erosion Control Plan, Sheet EC-2.
  - 2. Placing gravel where vehicles travel to minimize dust as shown on the Erosion Control Plan, Sheet EC-2.
- (4) Any modifications to on site erosion and sediment controls shall be submitted to the Engineer for approval prior to changes being made, unless such modifications are to immediately stop discharge of water into the stream.

ORIGINAL PLAN

NOTE BOOK

N°

SURVEY PLOTTED BY

DRAWN BY

DESIGNED BY

QUANTITIES BY

CHECKED BY

DATE

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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	6	49

1/18/13	<div>2</div> Revised Note d)(1). Per Addendum #2
DATE	REVISION

RICHARD C.V. DAHL, L.G.

LICENSED PROFESSIONAL ENGINEER

No. 3886-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

04/30/14  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

**BEST MANAGEMENT PRACTICE NOTES**

INTERSTATE ROUTE H-1

AIEA STREAM EROSION CONTROL

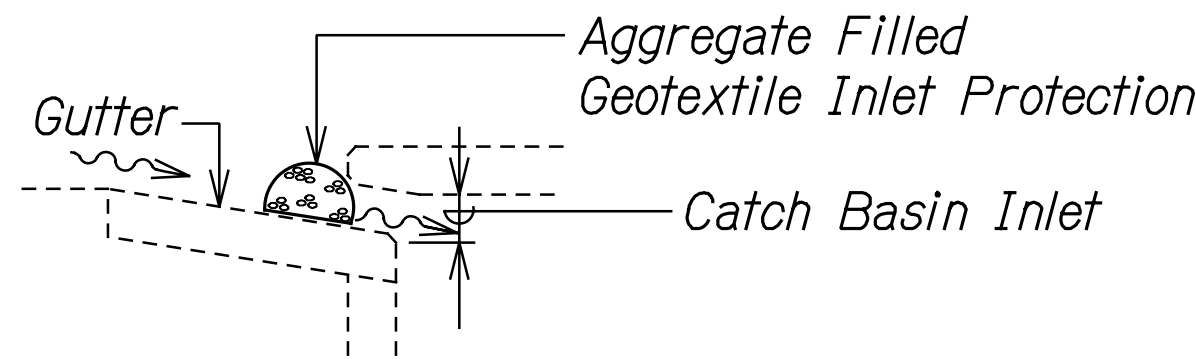
Project No. H1E-01-11MR

Scale: None

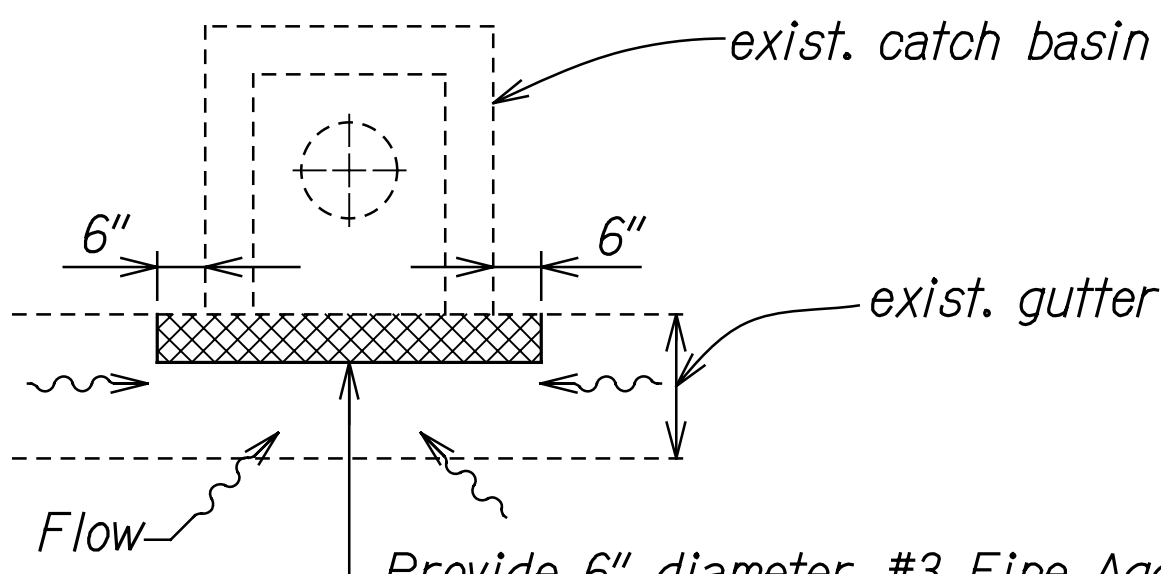
Date: September 2012

SHEET No. N-4 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	7	49



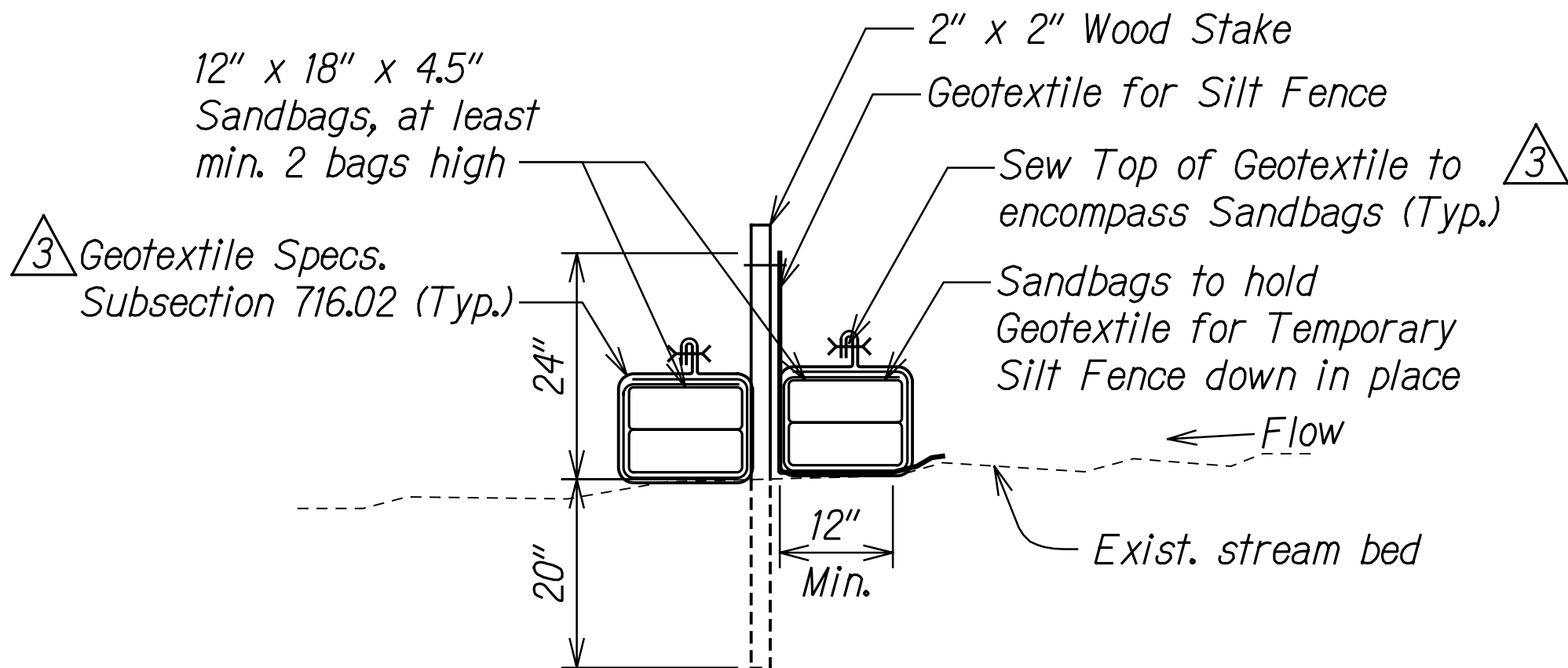
SECTION



PLAN

### INLET PROTECTION AT EXISTING CATCH BASIN

Not to Scale

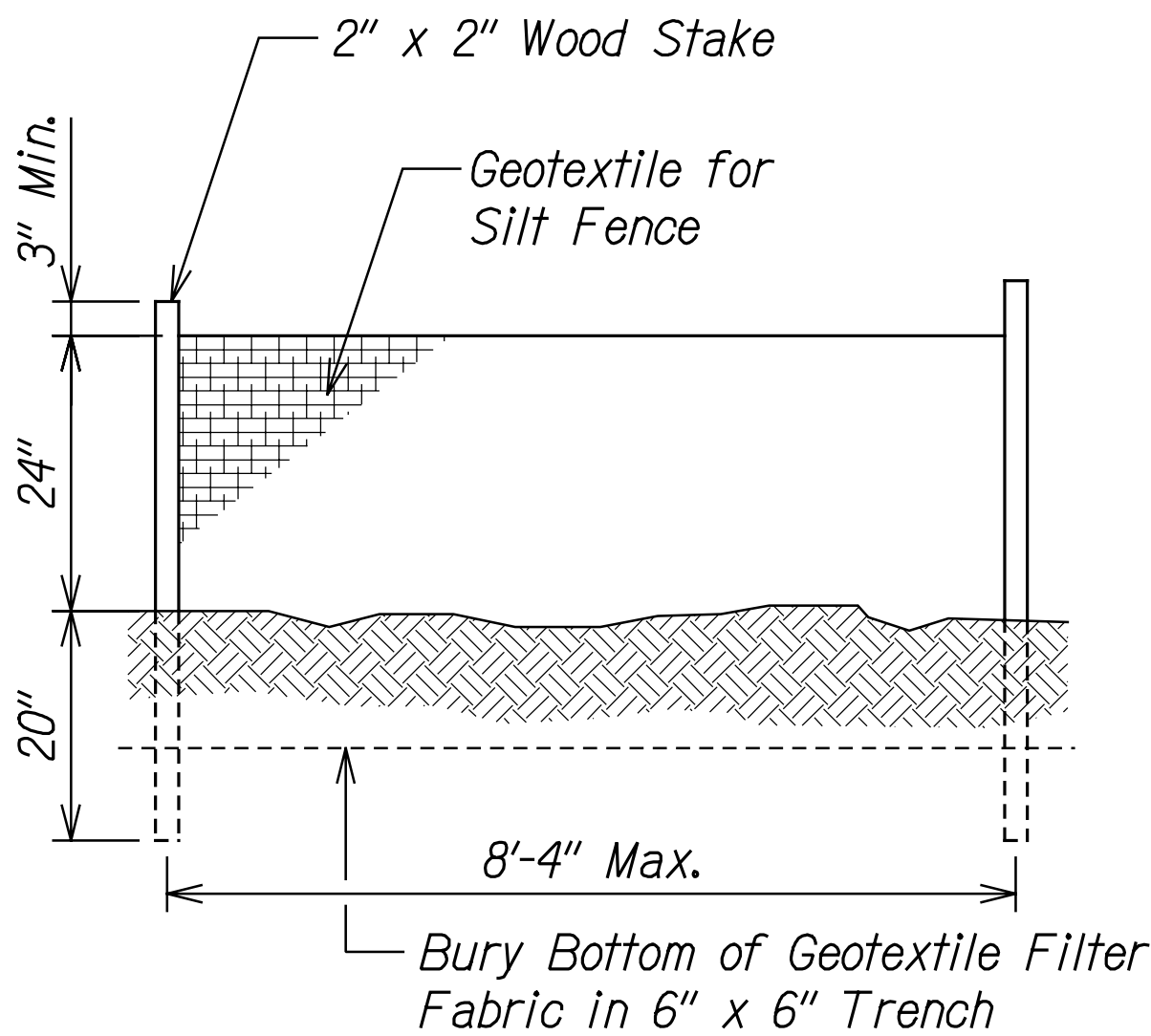


#### SILT FENCE A NOTES:

1. The filter fabric shall be a minimum of 36 inches wide.
2. If silt fence is obtained from manufacturer as a package (i.e. fabric attached to post) follow manufacturer's installation instructions.
3. Install Silt Fence A prior to installation of other temporary BMP's shown on Sheet No. EC-2.
4. After installation of other temporary BMP's remove Silt Fence A.
5. Prior to removal of other temporary BMP's reinstall Silt Fence A. Remove Silt Fence A after Site Restoration is complete. See Sheet SR-1.

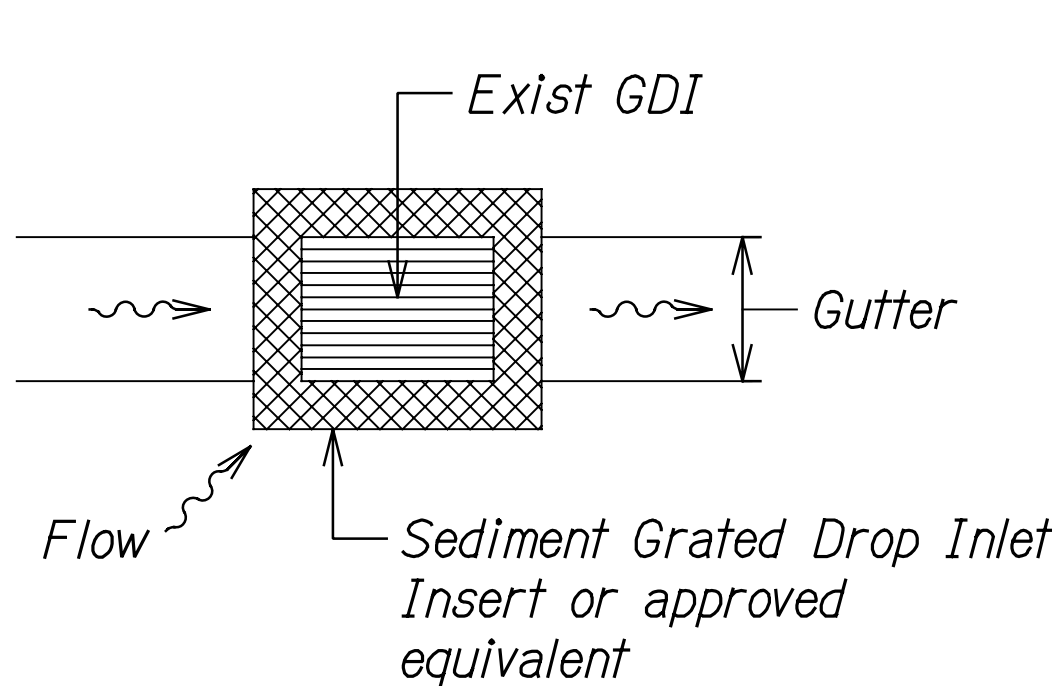
### SILT FENCE A/SILT FENCE C DETAIL

Not to Scale

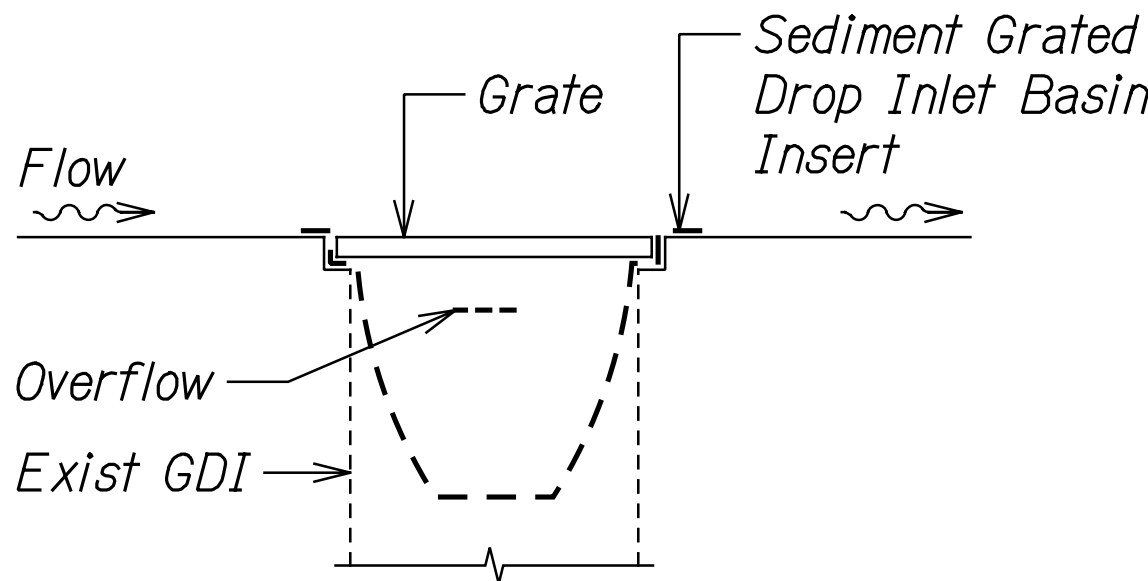


### GEOTEXTILE FOR SILT FENCE

Not to Scale



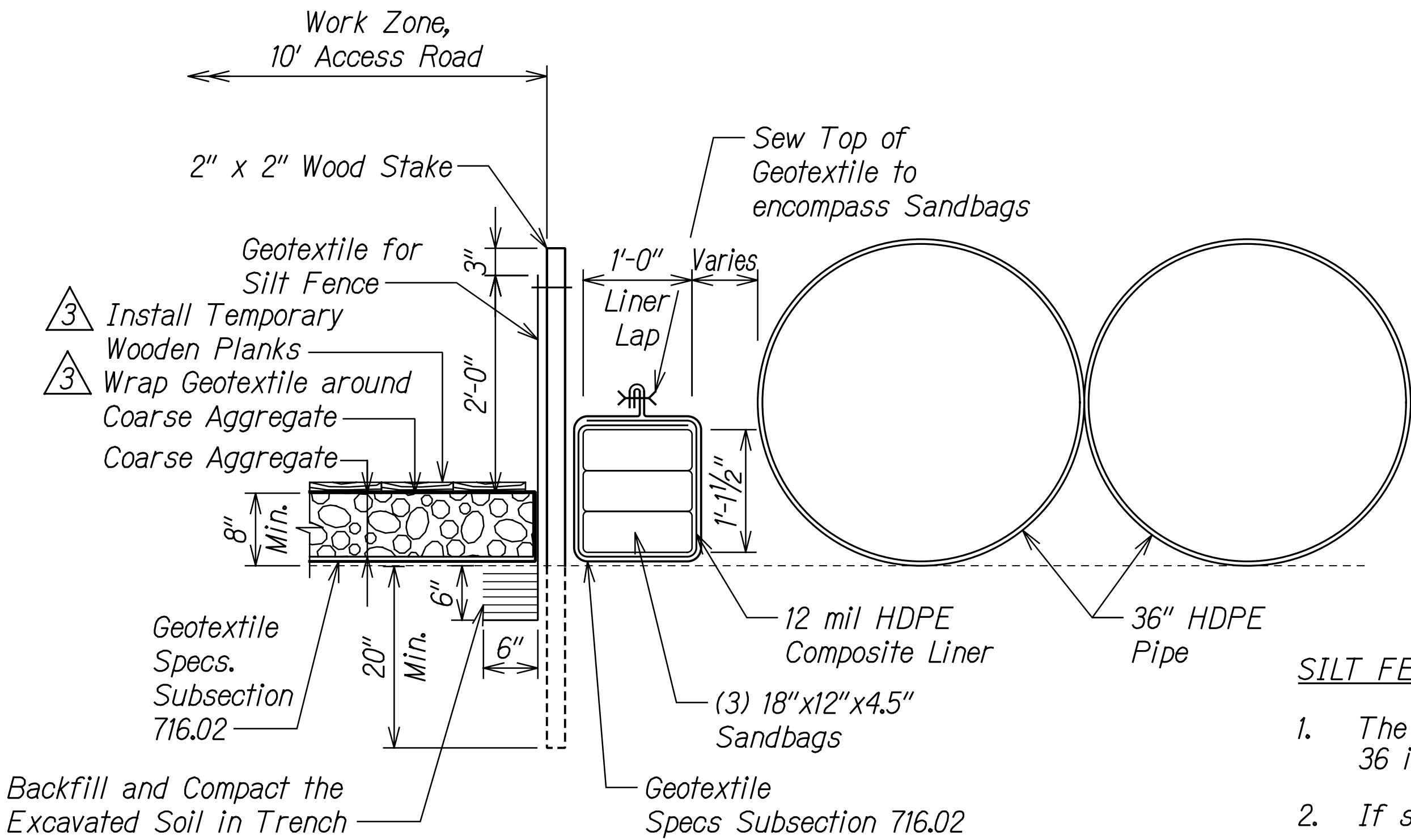
PLAN



ELEVATION

### INLET PROTECTION AT GRATED DROP INTAKE (GDI)

Not to Scale



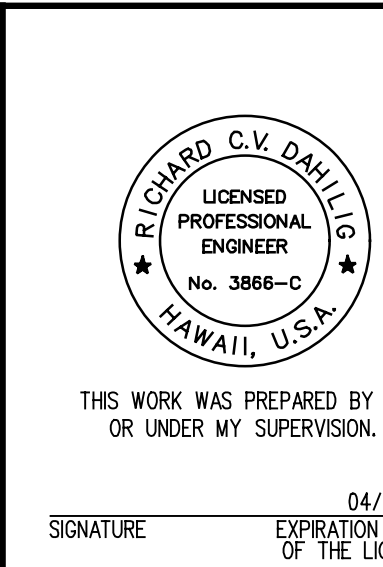
### SILT FENCE B/SANDBAG BARRIER DETAIL

Scale: 1"=1'

#### SILT FENCE B/SANDBAG BARRIER NOTES:

1. The filter fabric shall be a minimum of 36 inches wide.
2. If silt fence is obtained from manufacturer as a package (i.e. fabric attached to post) follow manufacturer's installation instructions.

3/14/13	Revised Silt Fence and Sandbag Barrier Details
DATE	REVISION



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<b>BEST MANAGEMENT PRACTICE DETAILS</b>
INTERSTATE ROUTE H-1 AIEA STREAM EROSION CONTROL Project No. H1E-01-11MR
Scale: Not to Scale Date: September 2012

SHEET No. N-5 OF 8 SHEETS