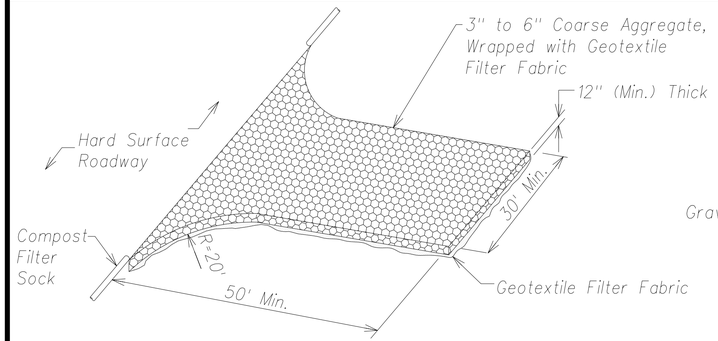
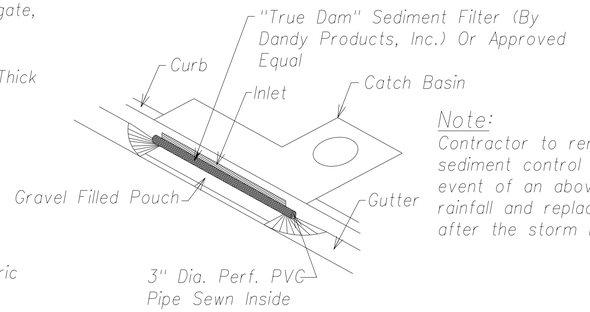
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-050-1(036)	FY13/14	Model	131

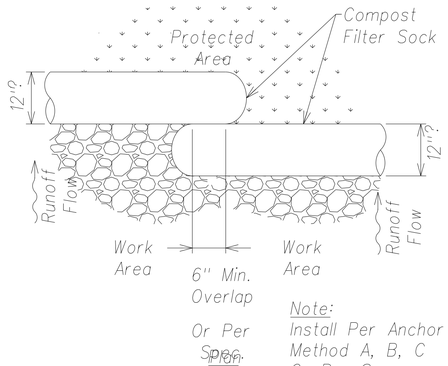


Stabilized Construction Access
Not To Scale

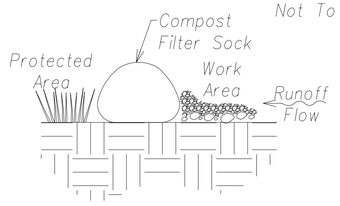


Note:
Contractor to remove sediment control filter in the event of an above average rainfall and replace the filter after the storm has passed.

Catch Basin Inlet Protection
Not To Scale

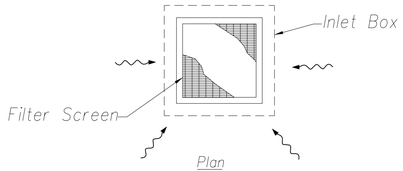


Note:
Install Per Anchor Method A, B, C Or Per Spec.

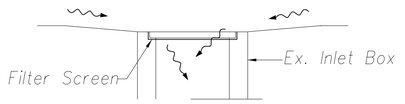


Elevation

Slope Gradient	Anchor Method	Anchor Spacing
< 4:1	Not Required	Not Required
4:1 TO 3:1	'A' OR 'B'	10'
3:1 TO 2:1	'A'	5' TO 10'
> 2:1	'C'	5'



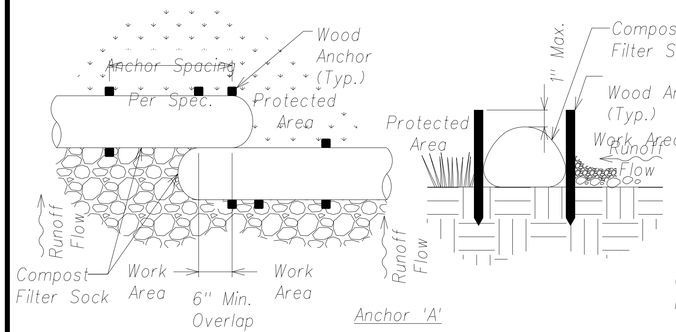
Plan



Section

Drain Inlet Protection
Not To Scale

Compost Filter Sock
Not To Scale



Compost Filter Sock Anchor Methods
Not To Scale

Compost Filter Sock Notes:

1. Compost filter sock shall utilize an outer layer of filtration mesh, and an inner layer of containment netting. All layers shall collectively enclose the compost filtration media. Compost filter sock shall be installed as 12-inch nominal diameters as indicated on the project drawings, or as specified by the Engineer. Compost filter socks shall be Biosock as manufactured by Envirotech Biosolutions, or approved equal.
2. Wood anchor stakes shall have a nominal classification of 3/4 by 3/4-inch and minimum length of 16-inches. Larger sized wood anchor stakes may be installed at the discretion of the installer, or as specified by the Engineer. Do

SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

ORIGINAL PLAN
NOTE BOOK
No.

MICHAEL H. OKAMOTO
LICENSED PROFESSIONAL ENGINEER
No. 8624-C
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
April 30, 2016
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL DETAILS

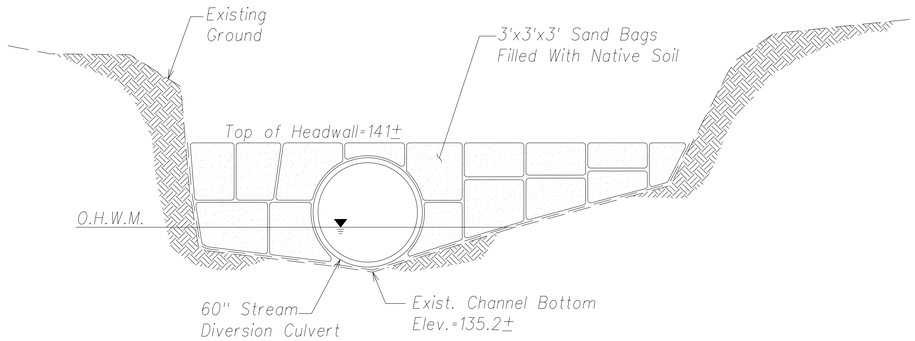
PHASE 1 - KAUMUALII HIGHWAY
LIHUE MILL BRIDGE TO RICE STREET
PHASE 2 - NAWILIWILI STREAM BRIDGE
AND MAUKA WIDENING

Scale: As Shown Date: March 25, 2013

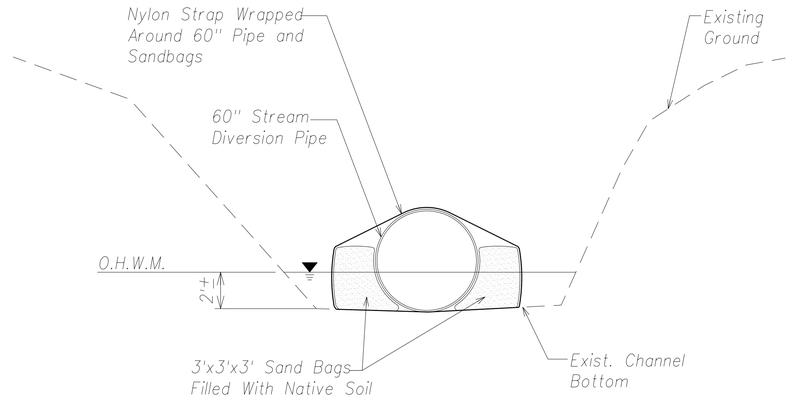
"AS-BUILT"

Model

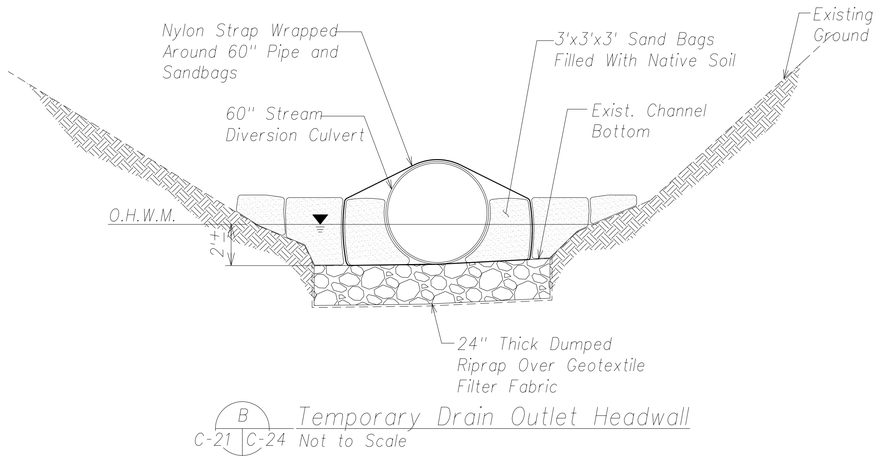
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-050-1(036)	FY13/14	Model	131



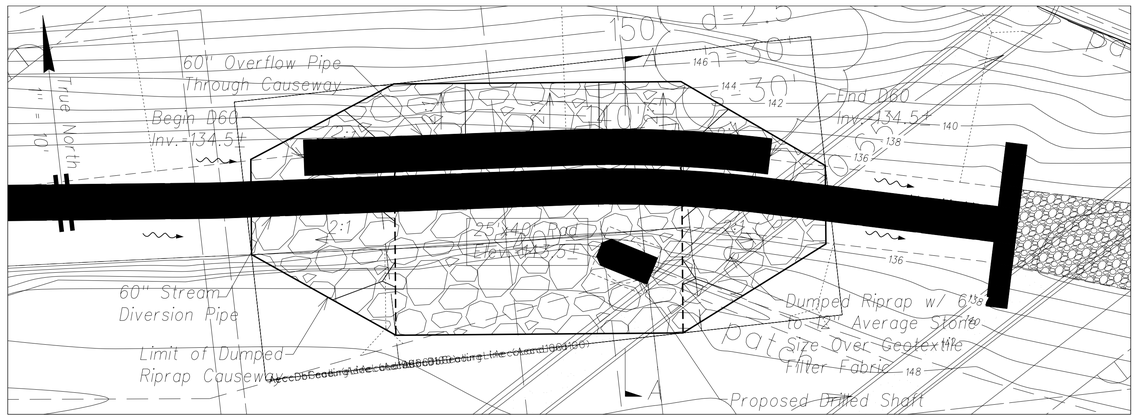
A C-21 C-24 Temporary Drain Inlet Headwall
Not to Scale



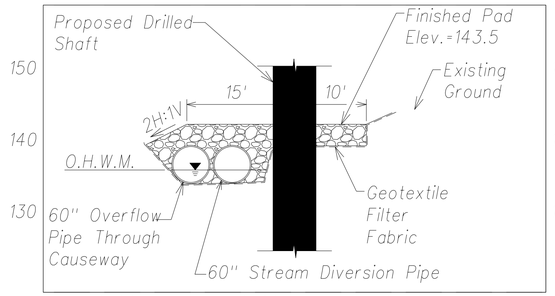
Typical 60" Stream Diversion Pipe Anchor
Not to Scale



B C-21 C-24 Temporary Drain Outlet Headwall
Not to Scale



Enlarged Plan
Scale: 1"=10'



Section A-A
Scales: Vert.: 1"=10'
Hor.: 1"=10'

Temporary Causeway
Scale: 1" = 10'

Graphic Scale:
1" = 10'
10' 5' 0 10' 20'
Scale in Feet

MICHAEL H. OKAMOTO
LICENSED PROFESSIONAL ENGINEER
No. 8624-C
HAWAII, U.S.A.

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STATE OF HAWAII
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EROSION CONTROL DETAILS

PHASE 1 - KAUMUALII HIGHWAY
LIHUE MILL BRIDGE TO RICE STREET
PHASE 2 - NAWILIWILI STREAM BRIDGE AND MAUKA WIDENING

Scale: As Shown Date: March 25, 2013

SHEET No. C-24 OF 84 SHEETS

Notes: Using Native Soil Filled Bags for Dam

1. Bag Material: Bags shall be either polypropylene, polyethylene or polymide woven fabric, minimum unit weight 4oz per sq. yd. mullen burst strength exceeding 300 psi in conformance with the requirements in ASTM D3786, and ultraviolet stability exceeding 70% in conformance with the requirements in ASTM D4355.

2. Bag Size: Each native soil filled bag shall have be 3'x3'x3' (LxWxT). Bag size are nominal, and may vary based on locally available materials.

3. Fill Material: Fill material shall be native soil and be free of organic matter and other deleterious materials. Secure bags such that native soil will not escape.

Maintenance Notes:

1. Check for sediment at damn after significant rainfall. Sediment shall be removed when it reaches one third of the original height.

2. Check for damage to sand bags and replace if necessary.

ORIGINAL PLAN
NOTE BOOK
No.
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TRACED BY
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QUANTITIES BY
CHECKED BY
DATE

"AS-BUILT"

Model