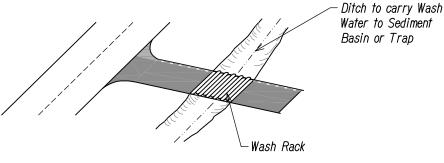
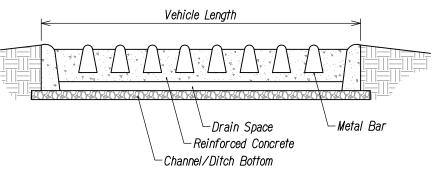


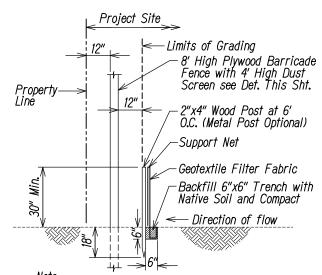
BEST MANAGEMENT PRACTICES (BMP'S)

- 1. Erosion Control Measures shall be in place prior to Commencement of Demolition Work.
- 2. Contractor shall repair and/or reinforce Construction Ingress/Egress, as required, to provide continuous BMP.
- 3. Contractor shall prevent dust, resulting from his work, from becoming airborne at all times, including non-working hours, weekends and holidays, in conformance with the State Department of Health Administrative Rules, Title 11, Chapter 60-Air Pollution Control. Contractor shall Provide Dust Control by use of a Water Truck to dampen the area with water.
- 4. Best management practices (BMP's) shall not be removed until all permanent Erosion Controls are in place and established.





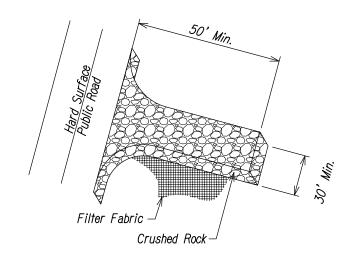
WASH RACK (SCHEMATIC) NOT TO SCALE

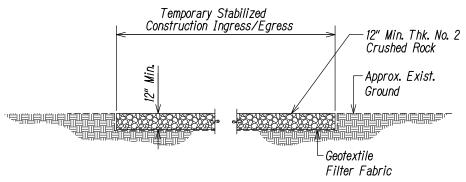


Attach Geotextile Filter Fabric with Nails when using Wood Post and Tie Wire for Metal Post.

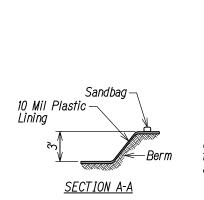
> Two Stacked 2x12 Rough Wood Frame

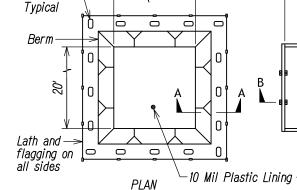
SILT FENCE DETAIL NOT TO SCALE

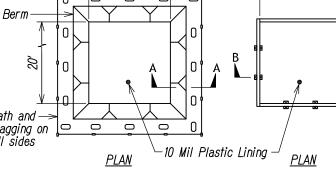




TEMPORARY STABILIZED CONSTRUCTION INGRESS/EGRESS NOT TO SCALE







CONCRETE VEHICLE WASH AREA (BELOW GRADE)

Sandbag,

- 1. Contractor to determine exact layout and whether wash area is above or below grade in field.
- 2. A concrete washout sign shall be installed within 30 feet of the temporary concrete washout facility.

CONCRETE WASHDOWN BASIN NOT TO SCALE

Perimeter with 2 Stakes SECTION B-B

CONCRETE VEHICLE WASH AREA (ABOVE GRADE)

-10 Mil Plastic

Wood Frame Securely Fastened around entire

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL DETAILS

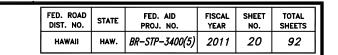
WAIEHU BEACH ROAD REHABILITATION OF IAO STREAM BRIDGE

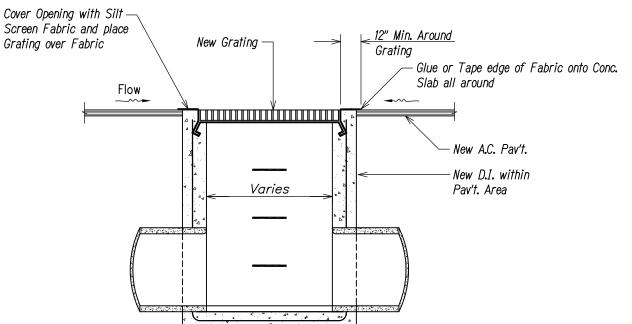
Federal Aid Project No. BR-STP-3400(5) Date: July 2011

SHEET No. 2 OF 13 SHEETS



GRAPHIC SCALE





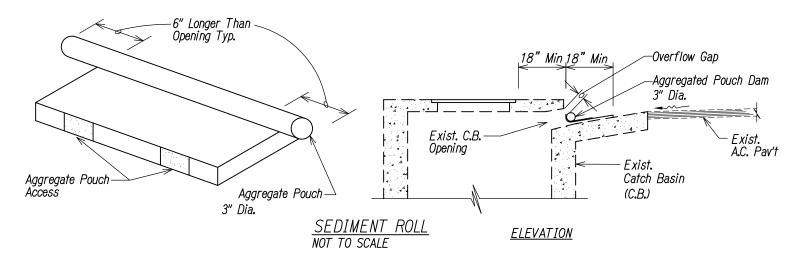
1/8 (Syll)

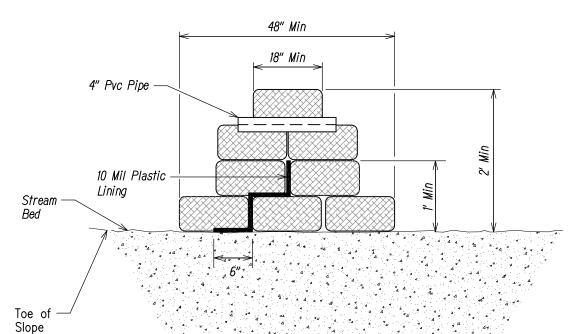
6'-0" Square

<u>NOTES:</u>

- 1. Contractor shall perform the work so as to prevent Demolition Debris from entering the Stream Channel by use of a Temporary Catchment System.
- 2. The Temporary Catchment System shall be a Steel Pan, Minimum plan Dimensions 6 feet x 6 feet, with Minimum 18" High Walls. The Catchment System shall be moved to a location beneath the section of Bridge being Demolished to Prevent Debris from entering the Stream. See Detail "DEBRIS CATCHMENT"
- 3. Place Sandbags Downstream of Bridge to contain Debris.
- 4. Empty Catchment System Daily and Dispose Debris Offsite.

<u>DEBRIS CATCHMENT DETAIL</u> NOT TO SCALE





ELEVATION

FABRIC AT GRATED DRAIN INLET

NOT TO SCALE

<u>NOTES:</u>

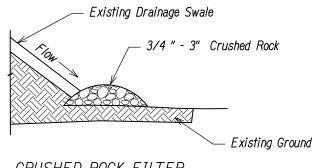
- 1. Sandbag shall be Woven Polypropylene or Polymide Fabric with Ultraviolet Protection.
- 2. Burlap material may not be used for Sandbags
- 3. Fill Material for Sandbags shall be cleaned Granular Material
- 4. Contractor to prepare ground beneath Sandbags to provide a Flat surface for Sandbag placement. After Sandbag removal, Contractor to restore ground disturbed by Sandbags to Pre-Construction condition

GRAPHIC SCALE

5' 2.5' 0 5' 10'

SCALE: 1"=5'

SAND BAG DETAIL NOT TO SCALE



CRUSHED ROCK FILTER
NOT TO SCALE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAIN
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL DETAILS 2

WAIEHU BEACH ROAD REHABILITATION OF
IAO STREAM BRIDGE

<u>Federal Aid Project No. BR-STP-3400(5)</u>

Date: July 2011

SHEET No. 3 OF 13 SHEETS

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