FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	40	49

EROSION CONTROL NOTES:

1. State of Hawaii, Department of Transportation, Highways Division, Construction Best Management Practices (BMP) Field Manual, dated January 2008, provides guidance on BMP installation and maintenance for the project site. The Construction BMP Field Manual is a reference guideline. Actual BMP placement and installation shall be according to the Erosion Control Plan on Sheet EC-2. Contractor is responsible for ensuring proper function, proper performance and maintenance of all temporary BMP's installed as a part of this project.

2. Prior to installation of temporary BMP's for the project, Contractor shall clean the entire length of the existing H-1 double cell box culvert of accumulated debris and trash, including its inlet and outlet structures within the Highways right-of-way. Debris and trash materials shall be hauled off site in water tight trailer beds and disposed of to an approved disposal site accepted by Engineer.

3. Contractor shall check weather forecast each calendar day. Contractor shall immediately notify the Engineer of a forecast of a severe storm event that may require immediate removal of equipment and material in stream. Contractor shall prepare a contingency action plan as part of its site specific BMP plan submittal to address the possibility or occurrence of a severe storm event.

4. Provide access to the Water Quality Monitoring personnel as specified in Subsection 209.03 (AX2) - Water Quality Monitoring and Assessment.

5. Cut existing 42" cmp and install temporary BMP's to contain any pollutants from cutting of the existing 42" cmp pipe as shown on the plans. After the 42" cmp pipe is cut, Contractor shall install a temporary 12" HDPE Bypass Pipe connection to the existing 42" cmp. Contractor shall secure the 12" HDPE Bypass Pipe within the existing 42" cmp as shown on the plans and provide fittings as necessary. Submit plan to Engineer for acceptance prior to construction. Payment for this work will be considered incidental to various contract items.

6. Install sandbag barrier across entire width of outlet of existing H-1 double cell box culvert as indicated on Sht. No. EC-2. Install two temporary 36-inch HPDE pipes to divert Aiea Stream flow during construction. Start installation from the upstream to downstream along streambed. Remove trash and debris, move boulders and other materials as necessary to install sandbags and temporary HDPE pipes.

7. Provide and maintain sufficient HDPE pipe tie-down devices to secure pipes against buoyant forces. Submit plan to Engineer for acceptance prior to construction.

8. The 12 mil HDPE composite liner for the temporary BMP's shall be installed such that the upstream portion covers over the downstream portion with at least an 18-inch overlap.

9. Excess materials as a result of grading, excavation, clearing, grubbing and other related construction work shall be hauled off site in water tight trailer beds and disposed of to a disposal site accepted by the Engineer. Contractor shall comply with all statutes, ordinance, rules and regulations with regard to dewatering liquid wastes prior to disposal at solid waste landfills.

10. Contractor shall send the green waste material to be recycled at a green waste facility.

11. Temporary HDPE pipes shall be smooth interior pipe including fittings as accepted by Engineer.

12. Install a one-foot high sandbag barrier with impervious sheeting across the entire left-hand side (looking upstream) of the inlet structure of the existing H-1 double cell box culvert to divert low stream flow to the right cell of the box culvert. Location and installation of sandbags as shown on plans. Payment for the installation of sandbag barrier will be considered incidental to various contract items.

13. The Contractor has available for its use designated Staging Areas #1 (Approx. 2,500 SF) and #2 (Approx. 7,600 SF) to access the project work site and for storage of materials and equipment (See Sht. TCP-2). Contractor shall restore and stabilize stream bank slope affected by a construction access road as shown on the plans. Trim existing trees on the Diamond Head side of Aiea Stream as necessary to attain adequate vertical and horizontal clearances for construction vehicle and equipment via Temporary Stream Crossing. No overcutting will be allowed. Payment for the trimming of trees as accepted by Engineer will be considered incidental to various contract items.

14. Place coarse aggregate, sandbag barrier, geotextile, silt fences and other BMPs as shown on plans to fully isolate and contain Contractor work area from discharging pollutants to diverted portion of Aiea Stream. Coarse aggregate shall be clean water washed offsite prior to placement for stabilized construction entrance/exit, temporary stream crossing, and construction access.

15. Install and maintain Stabilized Construction Entrance/Exit as shown on plans according to guidelines of Construction BMP Field Manual EC-2. Depth of coarse aggregate shall be 12 inches. Coarse aggregate shall be between 3 to 6 inches in size. Place geotextile fabric beneath coarse aggregate layer.

16. Approximately 83 LF of Dust Screen, 12 feet high, shall be installed and maintained along the entire length of existing CMU Wall to top of stream bank, as accepted by Engineer, to minimize project impact on adjacent properties.

17. Contractor shall monitor build-up of debris behind sandbag dams on a daily basis. Maintain to prevent clogging for the duration of the project.

18. Contractor is advised that any modifications to the temporary BMP Plans contained in these contract documents will require a resubmittal for approval to the Hawaii Department of Health of the Project's Section 401 Water Quality Certification (WQC). Any delay resulting from a resubmittal of the 401 WQC will be considered as a Contractor caused delay.

19. The location of the concrete washout area shall be limited to the vicinity of the cul-de-sac staging area and not within the stream.

20. Payment for all work prescribed in the following sheets:

EC-1	Erosion Control Notes
EC-2	Erosion Control Plan
EC-3	Erosion Control Detail - 1
EC-4	Erosion Control Detail - 2
SR-1	Site Restoration Plan

will be paid on a lump sum basis under Pay Item 209.0100, "Installation, Maintenance, Monitoring and Removal of BMP", in the Proposal Schedule.

ORIGINAL PLAN — SURVEY PLOTTED BY — DRAWN BY — TRACED BY — DESIGNED BY — QUANTITIES BY — CHECKED BY — DATE — NOTE BOOK — No.

T:/SSWMP-Aiea Stream Erosion Control/Cadd/Sheets/EC-1.dgn

RICHARD C.V. DAHLIG — LICENSED PROFESSIONAL ENGINEER — No. 3866-C — HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Richard C.V. Dahlig 04/30/14
SIGNATURE — EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL NOTES

INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. H1E-01-11MR

Scale: None — Date: September 2012

SHEET No. EC-1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-11MR	2013	41	49

TRUE NORTH
SCALE: 1"=10'-0"

Fiber Roll No. 1
Limit of Work
R/W
Sandbag Dam. See Sections G and H on Sheet EC-4 and Construction BMP Field Manual SC-13
See Detail for Sandbag Dam at H-1 Box Culvert Inlet on Sheet EC-4
Limit of Work
Aiea Shopping Center Buildings
℄ Aiea Stream
306+50
306+00
H EC-2EC-4
exist. H-1 double cell box culvert
10' Wide Construction Access for Work Area Contained by Silt Fence B w/ Sandbag Barrier
Transition Box Culvert to 2-36" Pipes with 2'-0" High Sandbag Dams with Bulk Bags as accepted by the Engineer
Exist. d42 Outlet. See Temporary 12"ø HDPE Bypass Pipe Connection Detail on Sht. EC-3
305+50
R/W
G EC-2EC-4
Fiber Roll No. 2
Begin Temporary 12"ø HDPE Spillway Pipe Inlet, Inv. 40.5
F EC-2EC-4
305+00
Temporary 2-36"ø HDPE Pipes
Temporary Stream Crossing, See Construction BMP Field Manual EC-3
Limit of Work
Gravel (Min. 8" thick)
Fiber Roll No. 3
Slope
30'-0"
Silt Fence C, See Detail on Sheet N-5
C EC-2EC-3
D EC-2EC-3
A EC-2EC-3
℄ Silt Fence B w/ Sandbag Barrier to Contain Work Area for Shotcrete Wall. See Construction BMP Field Manual SC-1 and SC-13. See Silt Fence B/Sandbag Barrier Detail on Sheet N-5
50'-0"
Temporary 12"ø HDPE Spillway Pipe (55 LF)
Silt Fence A with Sandbags. See Detail on Sheet N-5. Temporary until other temporary BMPs are installed. See Sheet SR-1 Notes
B EC-2EC-3
30' x 50' x 1' thk. Stabilized Construction Entrance/Exit. See Construction BMP Field Manual EC-2. See Note 14 on Sheet EC-1
TMK: 9-9-042: 027
36" and 12" Pipe Inverts 37.6±
Temporary 12"ø HDPE Bypass Pipe (87 LF)
Provide Storm Drain Inlet Protection @ Exist Catch Basin. See Inlet Protection at Existing Catch Basin Detail on Sheet N-5
R/W
E EC-2EC-4
Install Riprap Outlet Protection. See Construction BMP Field Manual SC-4
Dust Screen See Note 16 on Sheet EC-1
WATER ESMT 6

NOTES:

1. See Sheet EC-1 for Erosion Control Notes.
2. See Sheet N-2 and N-3 for Water Pollution and Erosion Control Notes.
3. See Sheet N-4 for Best Management Practice Notes.
4. Provide concrete washout area in vicinity of the cul-de-sac.

LEGEND:

Fiber Roll
Limit of Work
Flow Direction

1"=10' 10 0 10 20
SCALE IN FEET

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

T:/SSWP-Aiea Stream Erosion Control/Cadd/Sheets/EC-2.dgn

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

RICHARD C.V. DAHLIG
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HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Richard C.V. Dahlig 04/30/14
SIGNATURE EXPIRATION DATE OF THE LICENSE

EROSION CONTROL PLAN

INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. HIE-01-11MR
Scale: 1"=10' Date: September 2012

SHEET No. EC-2 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	C.O. 41S-1	49

Aiea Shopping Center
T.M.K.: 9-9-042: 059

Reflectorized Yellow Tape

Metal Control Barrier

Metal Control Barrier

Metal Control Barrier

Composite Filter Sock

Existing Shotcrete Wall

TRUE NORTH
SCALE : 1" = 10'

305+00

Aiea Stream ℄

304+50

R/W

AIEA STREAM

LEGEND FOR AS-BUILT POSTINGS

~~	Squiggly line for as-built deletion
~~100.00~~	Double line for as-built deletion
Roadway	Text for as-built posting

LEGEND:

- Work or Storage Area
- Drainage Flow
- Metal Control Barrier
- Composite Filter Sock

10 5 0 10
SCALE: 1"=10'

EROSION CONTROL PLAN
Scale: 1"=10'

Aiea Shopping Center
T.M.K.: 9-9-042: 059

~~Remove exist. 12' high chain link fence, post and footing. Salvage fence fabric. Construct new 12' high post and footing. Replace fence fabric when construction is completed. See Std. Plan D-02 to D-04.~~

~~Reconstruct Conc. Curb, See Std. Plan D-05 and Paint Rod to match existing (25 LF)~~

~~Reconstruct AC Pavement (50 Sq. Ft.) 3" AC Mix IV 6" Aggregate Base Course~~

Meet existing

Reconstruct Conc. Sidewalk (107 Sq. Ft.) See Std. Plan D-15

Remove and salvage exist. metal railing, and hardware, Typ., Replace when work is complete. (2 sets). This work shall not be paid directly but shall be considered incidental to the various pay items in this contract.

NOTE:
Existing fence and curb to remain. Replaced small section of curb near fence.

Meet existing

Connect to next exist. fence post

8' Min.

Sawcut, Typ. (31 LF)

2'-0"

2'-0"

Existing Shotcrete Wall

Contraction Joints

For New Footing and Micropiles, See Struct. Plans C.O. 16S-2 to C.O. 16S-6

New Shotcrete Wall (3 CY) Ht. between Reconstructed Conc. Sidewalk and exist. ground varies 1'-4' (10 LF) See Section A Sheet SW-5 for Detail

TRUE NORTH
SCALE : 1" = 5'

305+00

R/W

Aiea Stream ℄

LEGEND:

- AC Pavement
- 12' High Chain Link Fence
- Shotcrete Wall
- 4" Thk. Conc. Sidewalk

SITE RESTORATION PLAN
Scale: 1"=5'

Drill 7/8"Øx7" deep hole and fill with non-shrink grout

Exist. New

Conc. Curb Type 2D

exist. conc. curb

#4x12"

#4x12"

Conc. Curb Type 2D

Conc. Sidewalk

AC Pavement

3"

3"

3"

3" AC Mix IV
6" Aggregate Base Course

6" Typ.

SECTION

PLAN

CURB CONNECTION DETAIL
Not to Scale

5 2.5 0 5
SCALE: 1"=5'

10/14/15	⚠ Added New Sheet
Date	Revision

DEXTER S. EJI
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No. 4739-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

4/30/16
SIGNATURE — EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL AND SITE RESTORATION PLAN

INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. H1E-01-11MR

Scale: As Shown — Date: October 2012

SHEET No. EC-2A OF 4 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE | NO. | NOTE BOOK

"AS-BUILT"

C.O. 41S-1

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	41 C.O. S-2	49

TRUE NORTH
SCALE: 1"=10'-0"

LEGEND FOR AS-BUILT POSTINGS

~~	Squiggly line for as-built deletion
~~100.00~~	Double line for as-built deletion
Roadway	Text for as-built posting

Aiea Shopping Center Buildings

Exist. shotcrete wall.

Limit of Work

Fiber Roll No. 1

Limit of Work

R/W

Sandbag Dam. See Sections G and H on Sheet EC-4 and Construction BMP Field Manual SC-13

2-36" Pipes with 5'-0" High Sandbag Dams with Bulk Bags Wrapped with Geotextile as accepted by the Engineer

10' Wide Construction Access for Work Area Contained by Silt Fence B w/ Sandbag Barrier

Exist. d42 Outlet. See Temporary 36"ø HDPE Bypass Pipe Connection Detail on Sht. EC-3

Temporary 12"ø HDPE Spillway Pipe Inlet, Inv. 40.5

Temporary Stream Crossing, See Construction BMP Field Manual EC-3

Fiber Roll No. 3

Silt Fence C, See Detail on Sheet N-5

Temporary 12"ø HDPE Spillway Pipe (55 LF)

Slope

Silt Fence A with Sandbags. See Detail on Sheet N-5. Temporary until other temporary BMPs are installed. See Sheet SR-1 Notes

36" and 12" Pipe Inverts 37.6±

R/W

Install Riprap Outlet Protection. See Construction BMP Field Manual SC-4

306+50

306+00

305+50

℄ Aiea Stream

R/W

exist. H-1 double cell box culvert

Fiber Roll No. 2

Limit of Work

Gravel (Min. 8" thick)

30'-0"

50'-0"

Provide Storm Drain Inlet Protection @ Exist Catch Basin. See Inlet Protection at Existing Catch Basin Detail on Sheet N-5

℄ Silt Fence B w/ Sandbag Barrier to Contain Work Area for Shotcrete Wall. See Construction BMP Field Manual SC-1 and SC-13. See Silt Fence B/Sandbag Barrier Detail on Sheet N-5

Dust Screen See Note 16 on Sheet EC-1

TMK: 9-9-042: 027

59 FT WATER ESMT 6

A EC-2B EC-3A

B EC-2B EC-3A

C EC-2B EC-3A

D EC-2B EC-3A

E EC-2B EC-4A

F EC-2B EC-4A

G EC-2B EC-4A

H EC-2B EC-4A

NOTES:

1. See Sheet EC-1 for Erosion Control Notes.
2. See Sheet N-2 and N-3 for Water Pollution and Erosion Control Notes.
3. See Sheet N-4 for Best Management Practice Notes.
4. Provide concrete washout area in vicinity of the cul-de-sac.
5. See Sht. EC-2A for Erosion Control Plan for Foundation Work on Column 298
6. Protect stream bank from erosion with 12mil HDPE composite liner. Secure liner to slope.

NOTE:
No construction entrance/exit was made. Crane was used to lift things in and out of the stream.

~~30' x 50' x 1' thk. Stabilized Construction Entrance/Exit. See Construction BMP Field Manual EC-2. See Note 14 on Sheet EC-1~~

LEGEND:

Fiber Roll

Limit of Work

Flow Direction

1"=10' 10 0 10 20
SCALE IN FEET

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAFN BY	
	TRACED BY	
NOTS BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

T:/SSWMP-Aiea Stream Erosion Control/Cadd/Sheets/EC-2.dgn

Date	Revision
10/14/15	Added New Sheet

DEXTER S. ELI
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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE 04/30/16 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL PLAN

INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. H1E-01-11MR

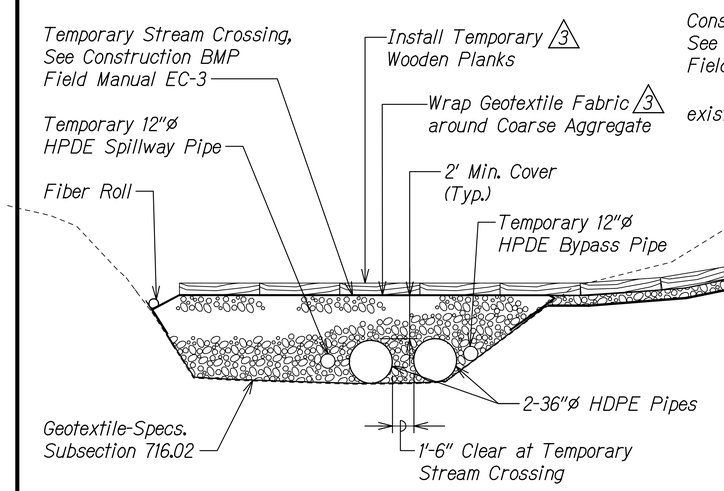
Scale: 1"=10' Date: September 2012

SHEET No. EC-2B OF 4 SHEETS

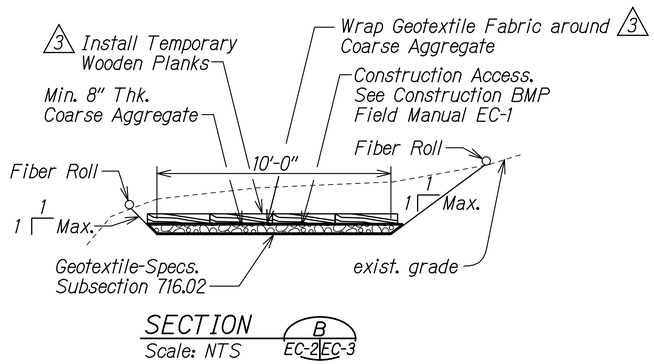
"AS-BUILT"

C.O. 41S-2

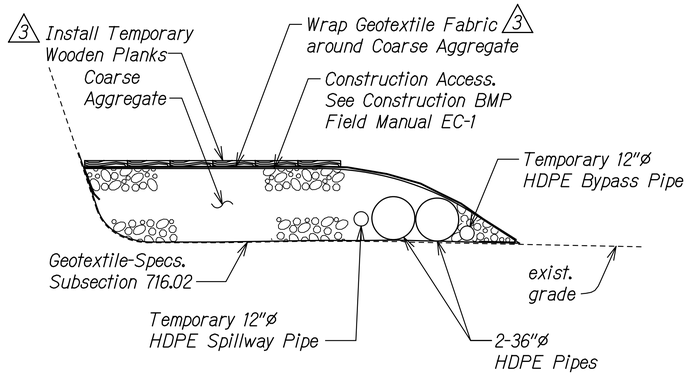
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	42	49



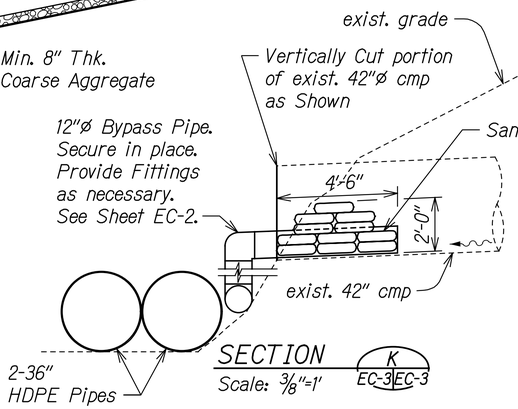
SECTION A EC-2 EC-3
Scale: NTS



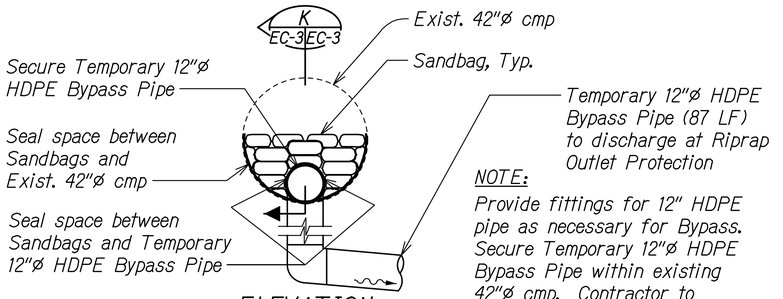
SECTION B EC-2 EC-3
Scale: NTS



SECTION C EC-2 EC-3
Scale: NTS



SECTION K EC-3 EC-3
Scale: 3/8"=1'

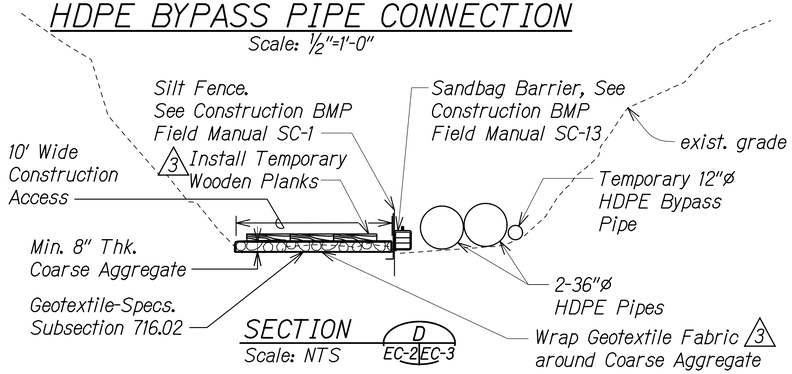


ELEVATION

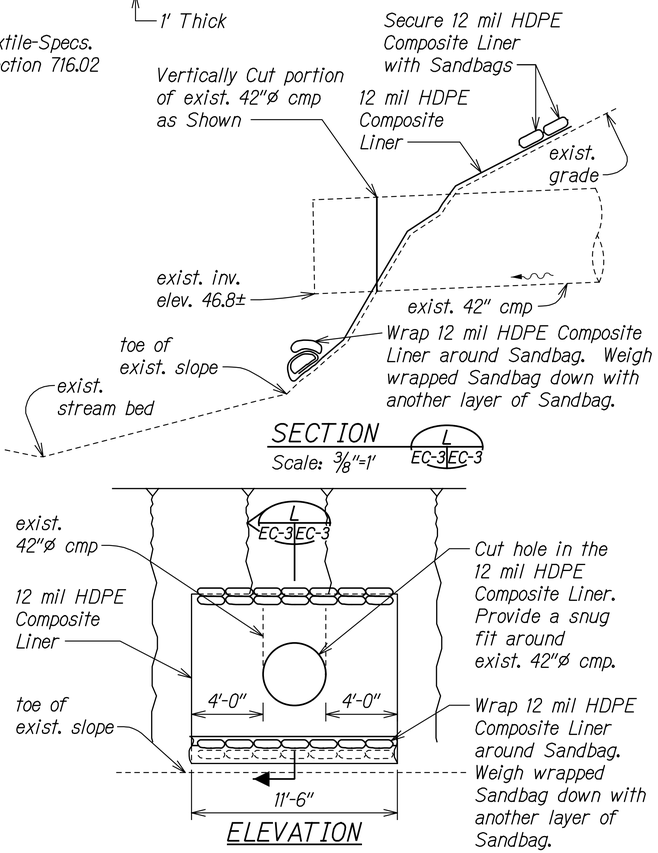
NOTE:
Provide fittings for 12" HDPE pipe as necessary for Bypass. Secure Temporary 12"ø HDPE Bypass Pipe within existing 42"ø cmp. Contractor to submit plan to Engineer for approval prior to construction.

TEMPORARY 12"ø HDPE BYPASS PIPE CONNECTION

Scale: 1/2"=1'-0"



SECTION D EC-2 EC-3
Scale: NTS



SECTION L EC-3 EC-3
Scale: 3/8"=1'

ELEVATION

TEMPORARY BMP FOR CUTTING OF EXISTING 42"ø CMP

Scale: 1/4"=1'

DATE	REVISION
3/14/13	3 Revised Sections A, B, C, D, Install Temp. Wooden Planks, Wrap Coarse Aggregate with Geotextile Fabric

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK | No.

T:/SSWMP-Aiea Stream Erosion Control/Cadd/Sheets/EC-3.dgn

RICHARD C.V. DAHLIG LICENSED PROFESSIONAL ENGINEER No. 3866-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

EROSION CONTROL DETAIL - 1

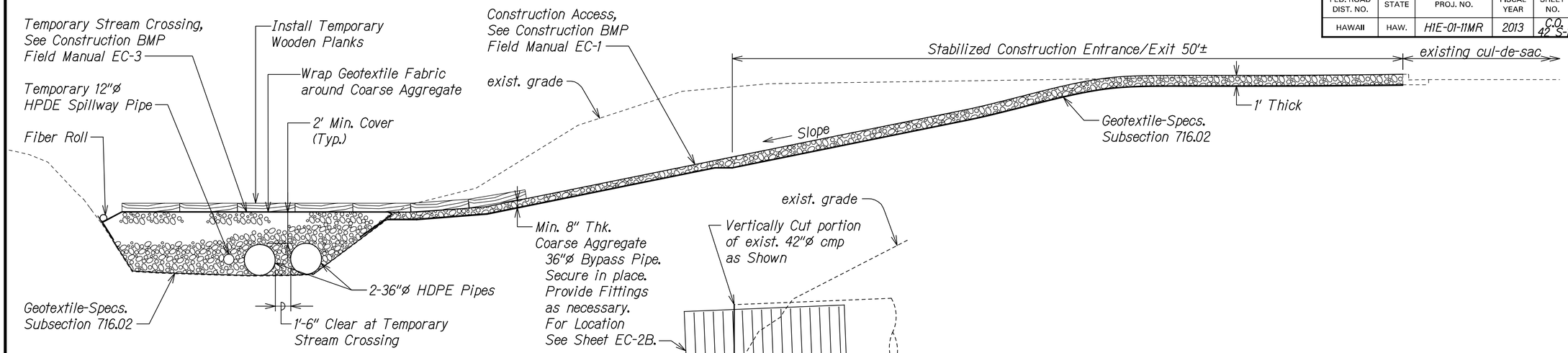
INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. H1E-01-11MR

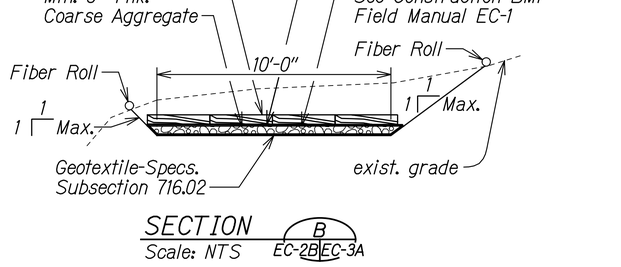
Scale: NTS Date: September 2012

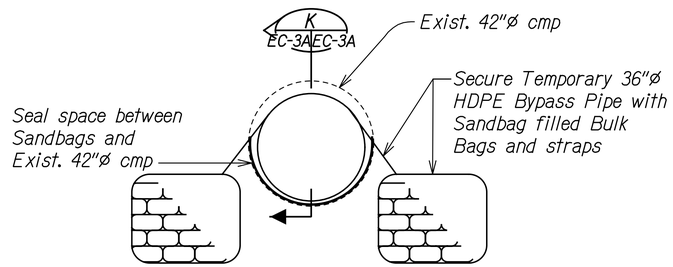
SHEET No. EC-3 OF 4 SHEETS

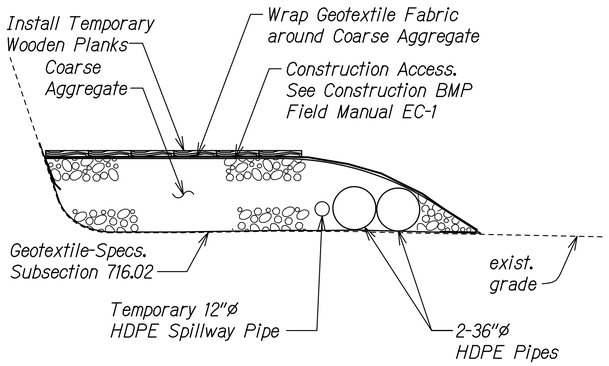
C.O. 42

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	C.O. 42 S-1	49

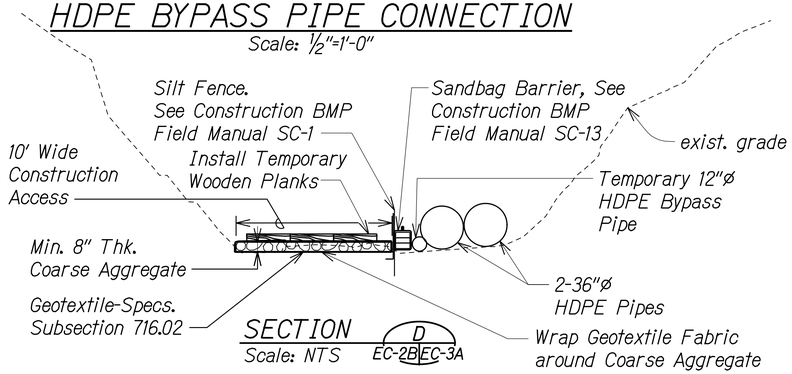








ELEVATION
TEMPORARY 36"ø
HDPE BYPASS PIPE CONNECTION
Scale: 1/2"=1'-0"



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

T:/SSMP-Aiea Stream Erosion Control/Cadd/Sheets/EC-3.dgn

DATE	REVISION
10/14/15	Added New Sheet

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE 04/30/16 EXPIRATION DATE OF THE LICENSE

EROSION CONTROL DETAIL - 1

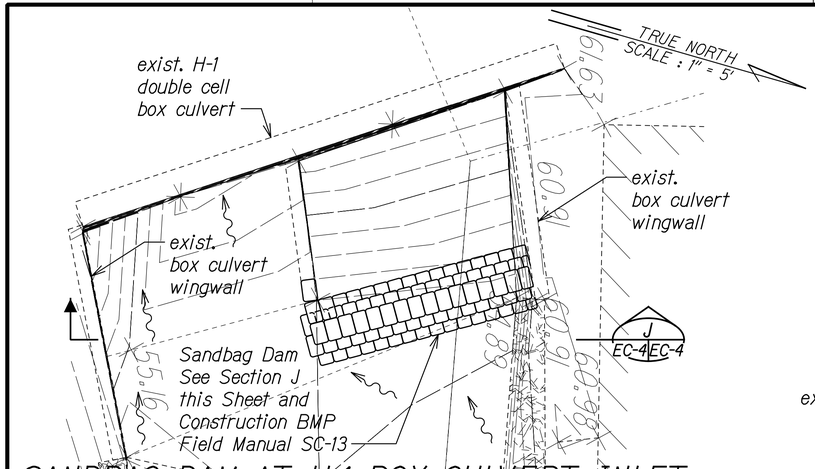
INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. H1E-01-11MR

Scale: NTS Date: September 2012

SHEET No. EC-3A OF 4 SHEETS

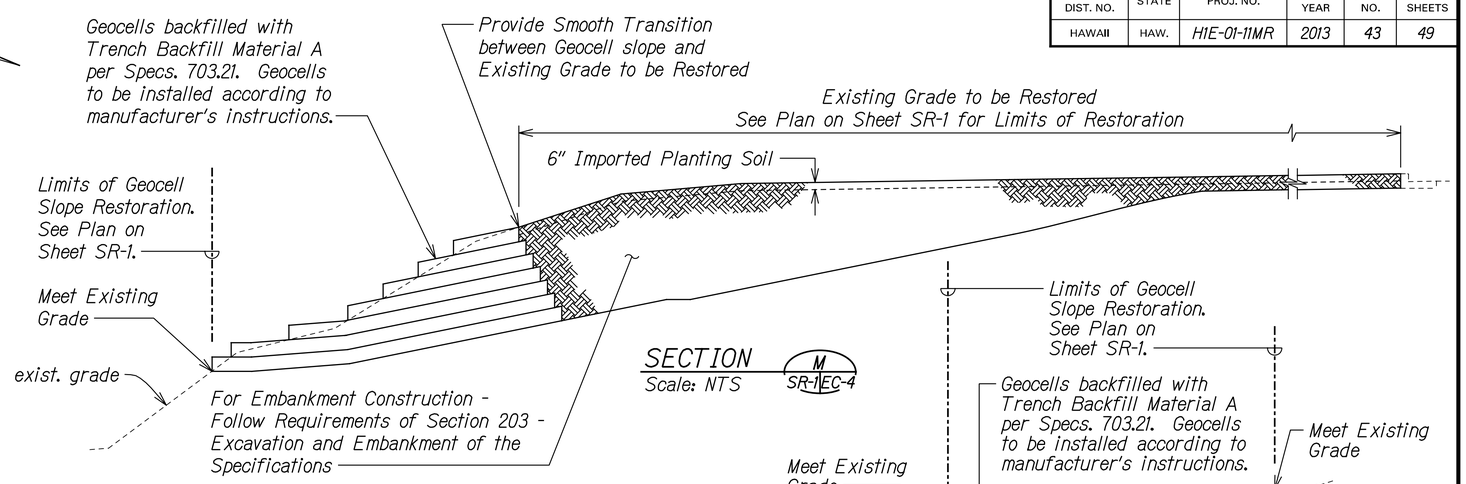
C.O. 42 S-1

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	43	49

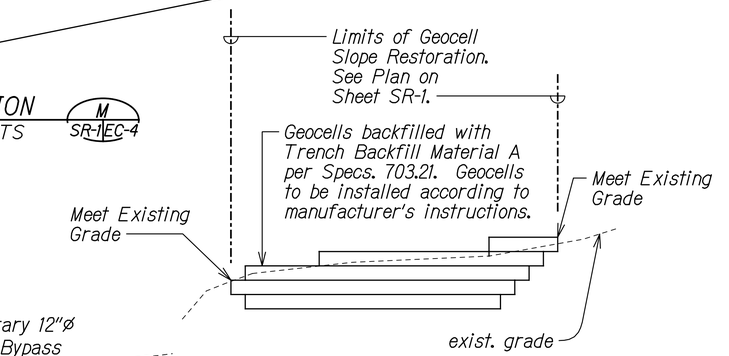


SANDBAG DAM AT H-1 BOX CULVERT INLET

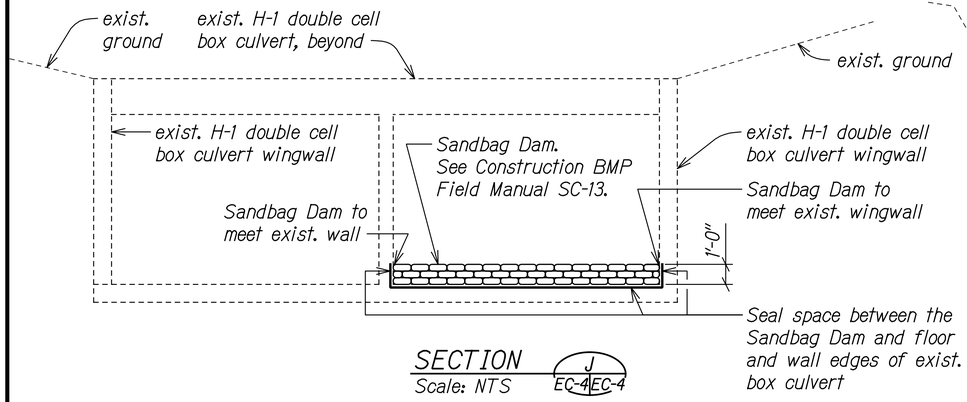
Scale: 1"=5'



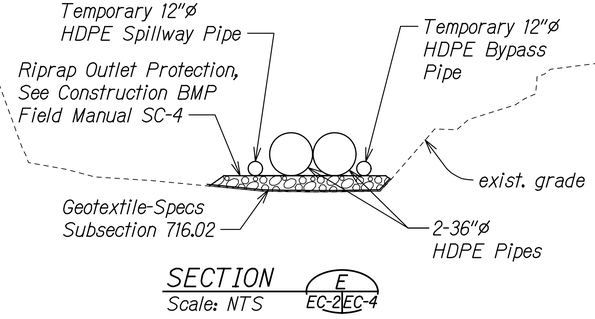
SECTION M SR-1 EC-4
Scale: NTS



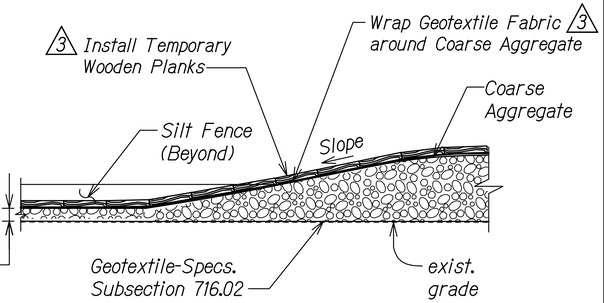
SECTION N SR-1 EC-4
Scale: NTS



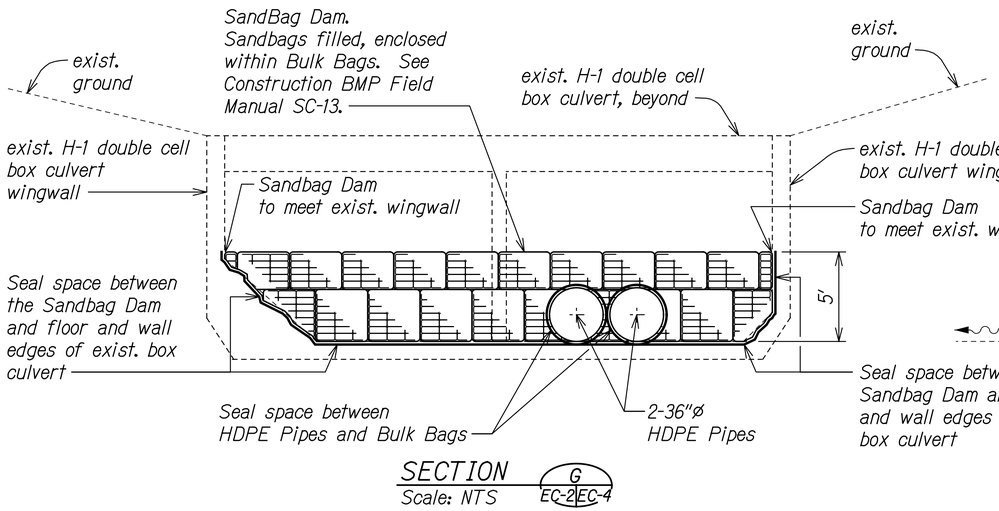
SECTION J EC-4 EC-4
Scale: NTS



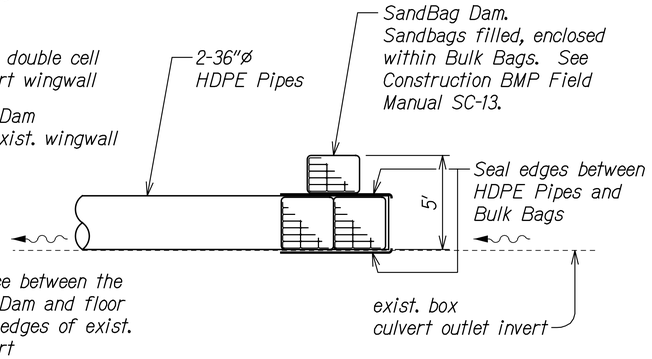
SECTION E EC-2 EC-4
Scale: NTS



SECTION F EC-2 EC-4
Scale: NTS



SECTION G EC-2 EC-4
Scale: NTS



SECTION H EC-2 EC-4
Scale: NTS

DATE	REVISION
3/14/13	3 Revised Section F, Install Temp. Wooden Planks, Wrap Coarse Aggregate with Geotextile Fabric

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK
No.

T:/SSMP-Aiea Stream Erosion Control/Cadd/Sheets/EC-4.dgn

LICENSED PROFESSIONAL ENGINEER No. 3866-C RICHARD C.V. DAHLI.C.G. 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

EROSION CONTROL DETAIL - 2

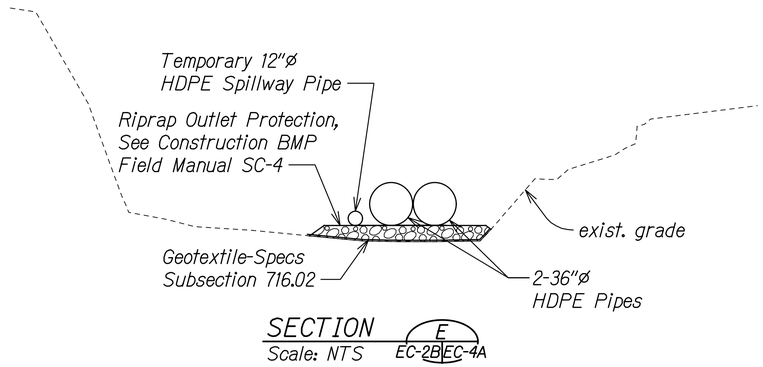
INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. H1E-01-11MR

Scale: As Noted Date: September 2012

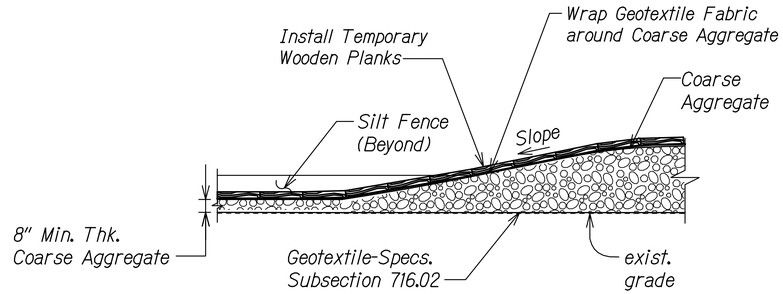
SHEET No. EC-4 OF 4 SHEETS

C.O. 43

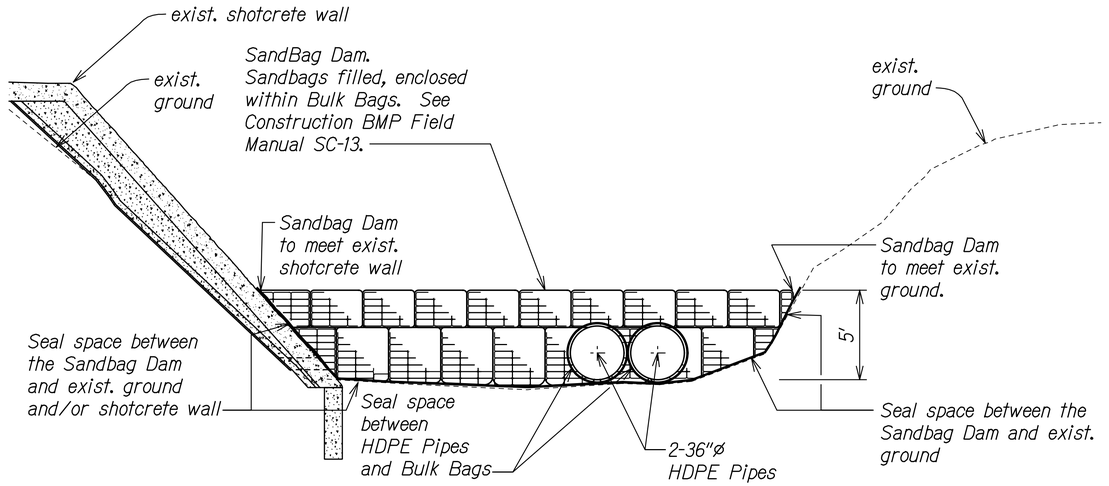
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	C.O. 43 S-1	49



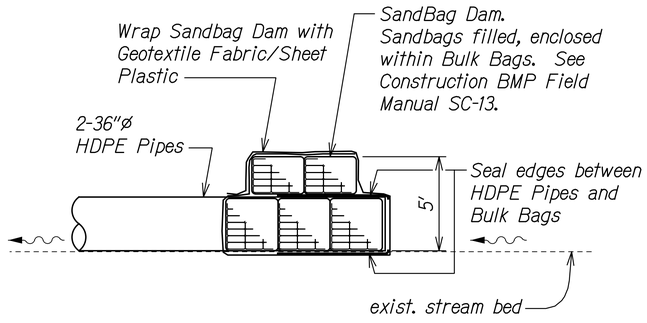
SECTION E
Scale: NTS EC-2B EC-4A



SECTION F
Scale: NTS EC-2 EC-4



SECTION G
Scale: NTS EC-2B EC-4A



SECTION H
Scale: NTS EC-2B EC-4A

ORIGINAL PLAN
SURVEY PLOTTED BY DATE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
NOTE BOOK
No.

T:/SSWMP-Aiea Stream Erosion Control/Cadd/Sheets/EC-4.dgn

10/14/15	Added New Street
DATE	REVISION

DEXTER S. EJI
LICENSED PROFESSIONAL ENGINEER
No. 4739-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE 04/30/16 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL DETAIL - 2

INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. H1E-01-11MR

Scale: As Noted Date: September 2012

SHEET No. EC-4A OF 4 SHEETS

C.O. 43 S-1