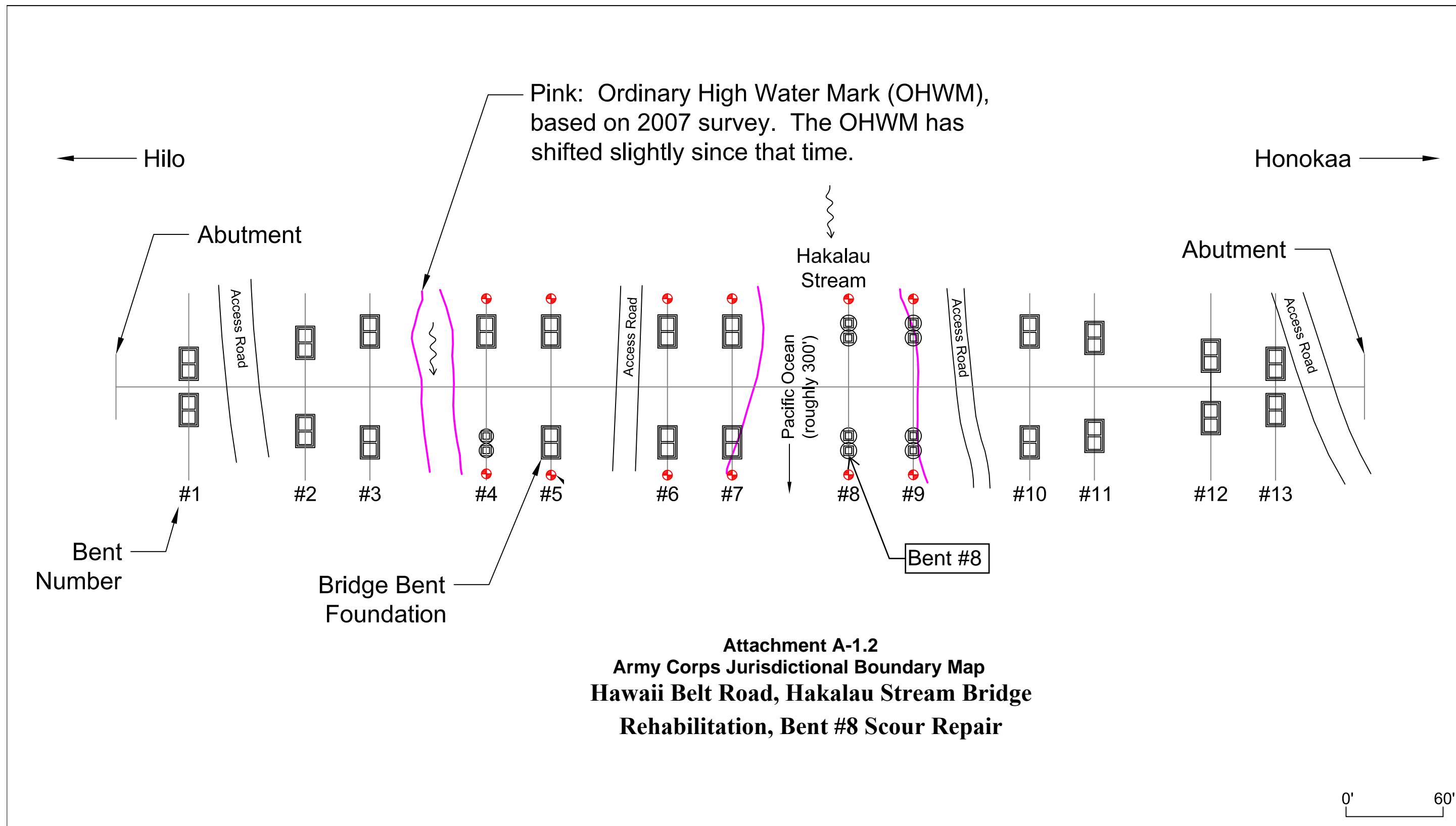


Appendix A

Hawaii Belt Road, Hakalau Stream Bridge Rehabilitation, Bent #8 Scour Repair



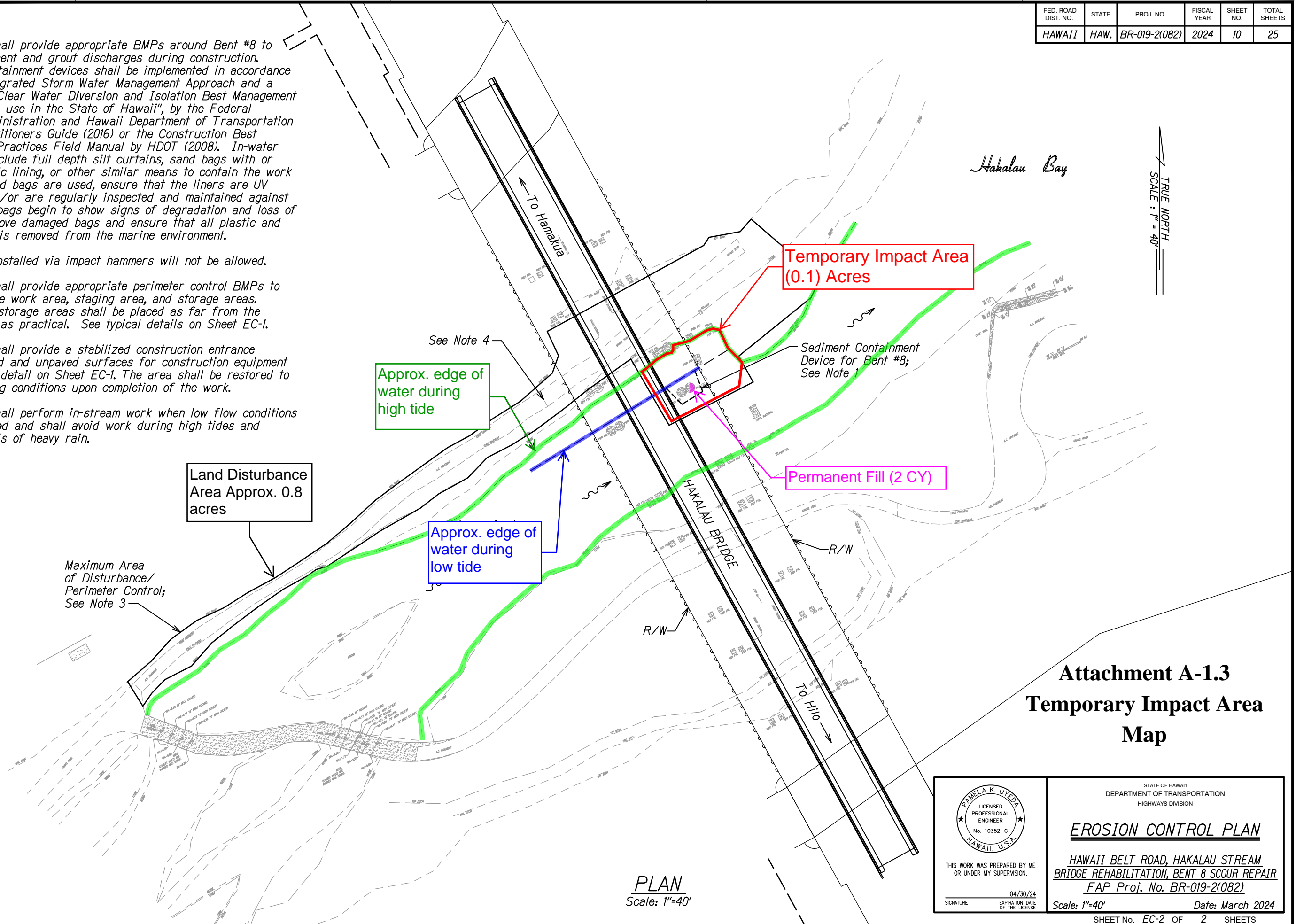
Attachment A-1.1
Project Location and State Waters Map



NOTES:

- Contractor shall provide appropriate BMPs around Bent #8 to contain sediment and grout discharges during construction. Sediment containment devices shall be implemented in accordance with "An Integrated Storm Water Management Approach and a Summary of Clear Water Diversion and Isolation Best Management Practices for use in the State of Hawaii", by the Federal Highway Administration and Hawaii Department of Transportation (HDOT) Practitioners Guide (2016) or the Construction Best Management Practices Field Manual by HDOT (2008). In-water BMPs may include full depth silt curtains, sand bags with or without plastic lining, or other similar means to contain the work area. If sand bags are used, ensure that the liners are UV resistant and/or are regularly inspected and maintained against damage. If bags begin to show signs of degradation and loss of integrity, remove damaged bags and ensure that all plastic and excess sand is removed from the marine environment.
- Sheet piles installed via impact hammers will not be allowed.
- Contractor shall provide appropriate perimeter control BMPs to encompass the work area, staging area, and storage areas. Staging and storage areas shall be placed as far from the water's edge as practical. See typical details on Sheet EC-1.
- Contractor shall provide a stabilized construction entrance between paved and unpaved surfaces for construction equipment access. See detail on Sheet EC-1. The area shall be restored to match existing conditions upon completion of the work.
- Contractor shall perform in-stream work when low flow conditions are anticipated and shall avoid work during high tides and during periods of heavy rain.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	10	25



Attachment A-1.3 Temporary Impact Area Map

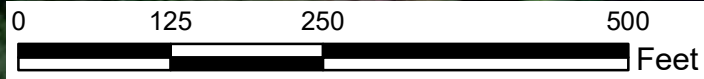
PLAN
Scale: 1"=40'


	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
	<u>EROSION CONTROL PLAN</u>	
	HAWAII BELT ROAD, HAKALAU STREAM BRIDGE REHABILITATION, BENT 8 SCOUR REPAIR FAP Proj. No. BR-019-2(082)	
	THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. SIGNATURE _____ EXPIRATION DATE OF THE LICENSE 04/30/24	Scale: 1"=40' Date: March 2024


SHEET No. EC-2 OF 2 SHEETS



**Attachment A-2 - Property
Boundary Map**
Hawaii Belt Road, Hakalau Stream Bridge
Rehabilitation, Bent #8 Scour Repair



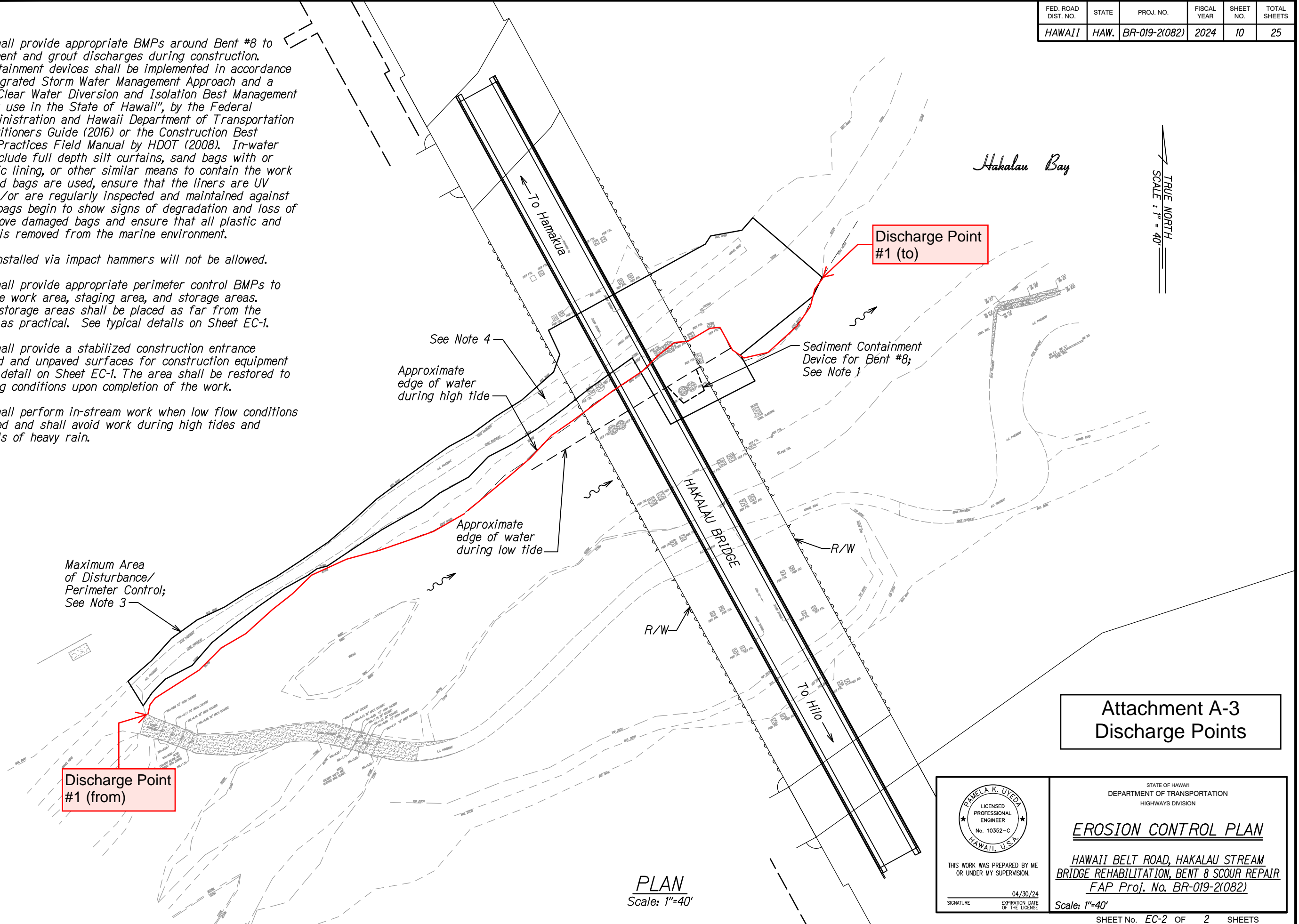
 Project Area

 Tax Map Keys

NOTES:

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5. Contractor shall perform in-stream work when low flow conditions are anticipated and shall avoid work during high tides and during periods of heavy rain.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	10	25



Attachment A-3
Discharge Points

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL PLAN

HAWAII BELT ROAD, HAKALAU STREAM
BRIDGE REHABILITATION, BENT 8 SCOUR REPAIR
FAP Proj. No. BR-019-2(082)

Scale: 1"=40'

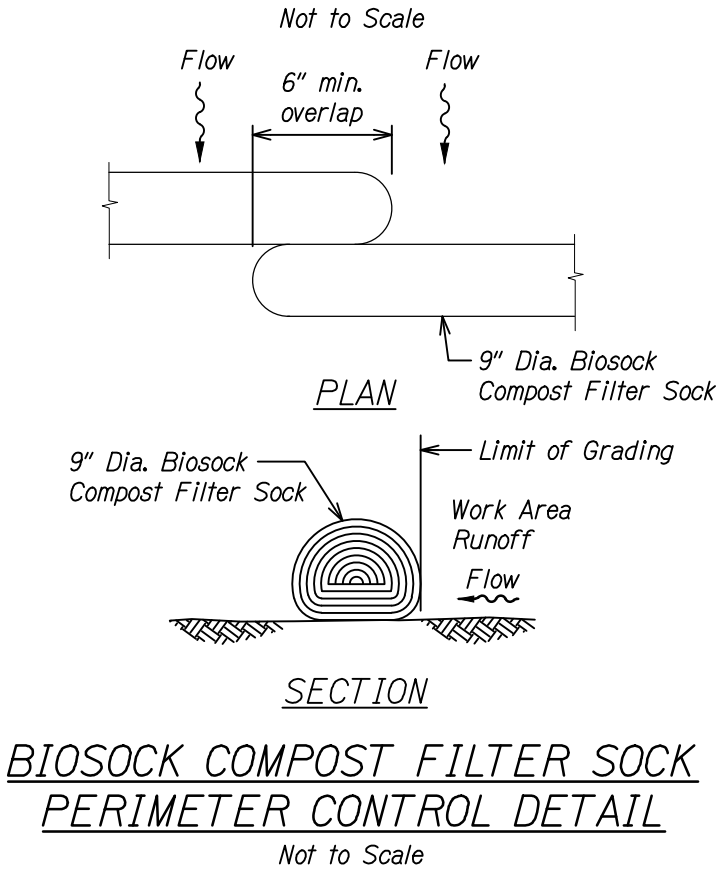
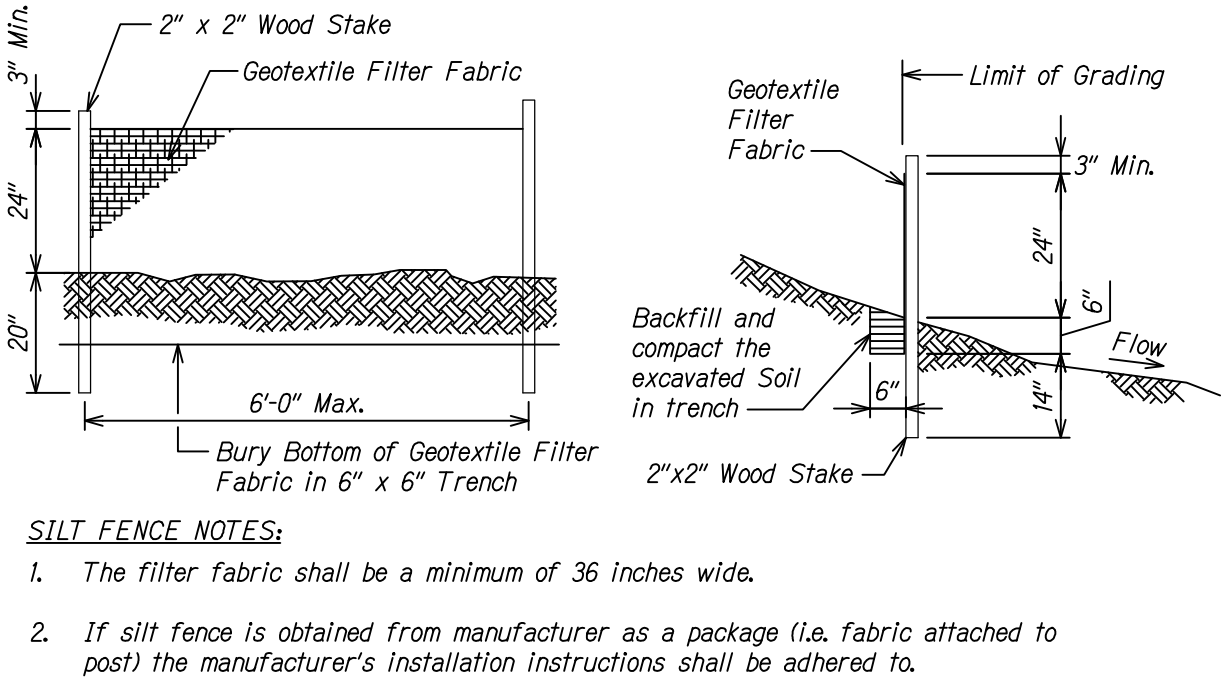
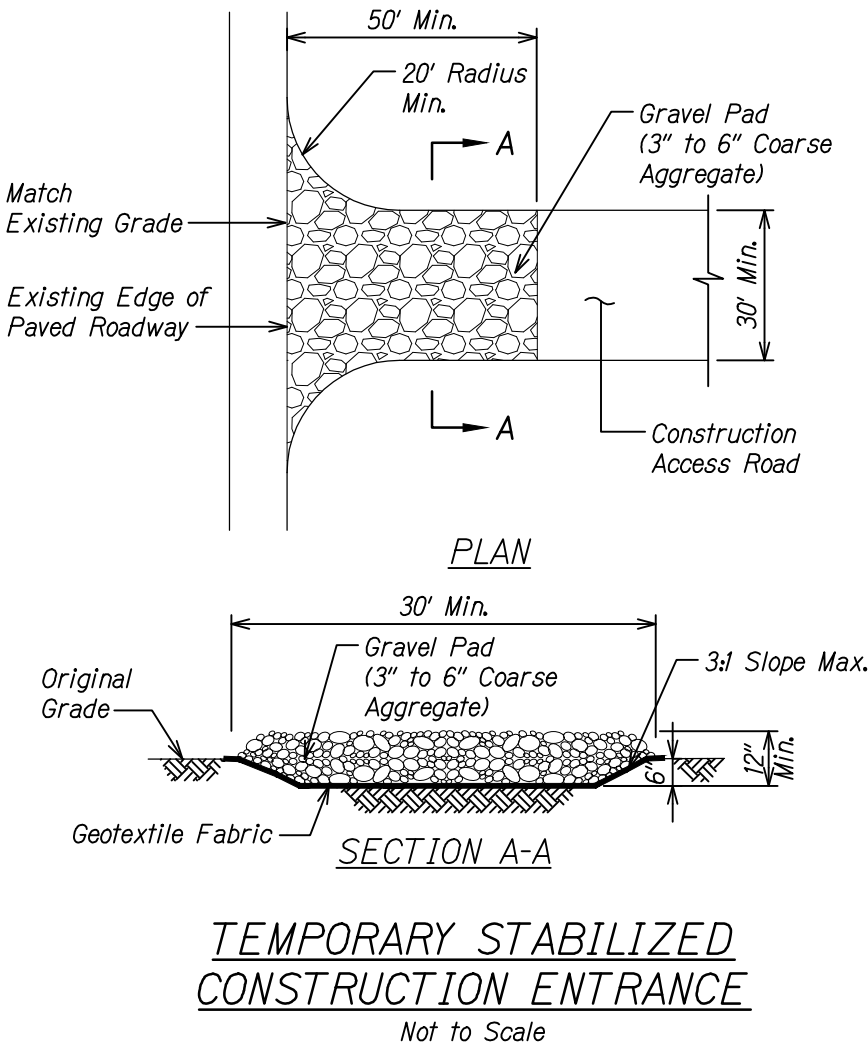
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

04/30/24
EXPIRATION DATE
OF THE LICENSE

SIGNATURE

PAMELA K. UYEDA
LICENSED
PROFESSIONAL
ENGINEER
No. 10352-C
HAWAII, U.S.A.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	9	25



- GENERAL NOTES FOR BMP PLAN:**
- Sediment and Erosion Control BMP details shown are the minimum required. The Contractor shall prepare site-specific BMP plans based on their means and methods, considering site conditions and construction sequence.

Attachment A-7.1 Site-Specific Best Management Practices (BMP) Plan and Phasing Plans

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N _o	

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

04/30/24
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL DETAILS

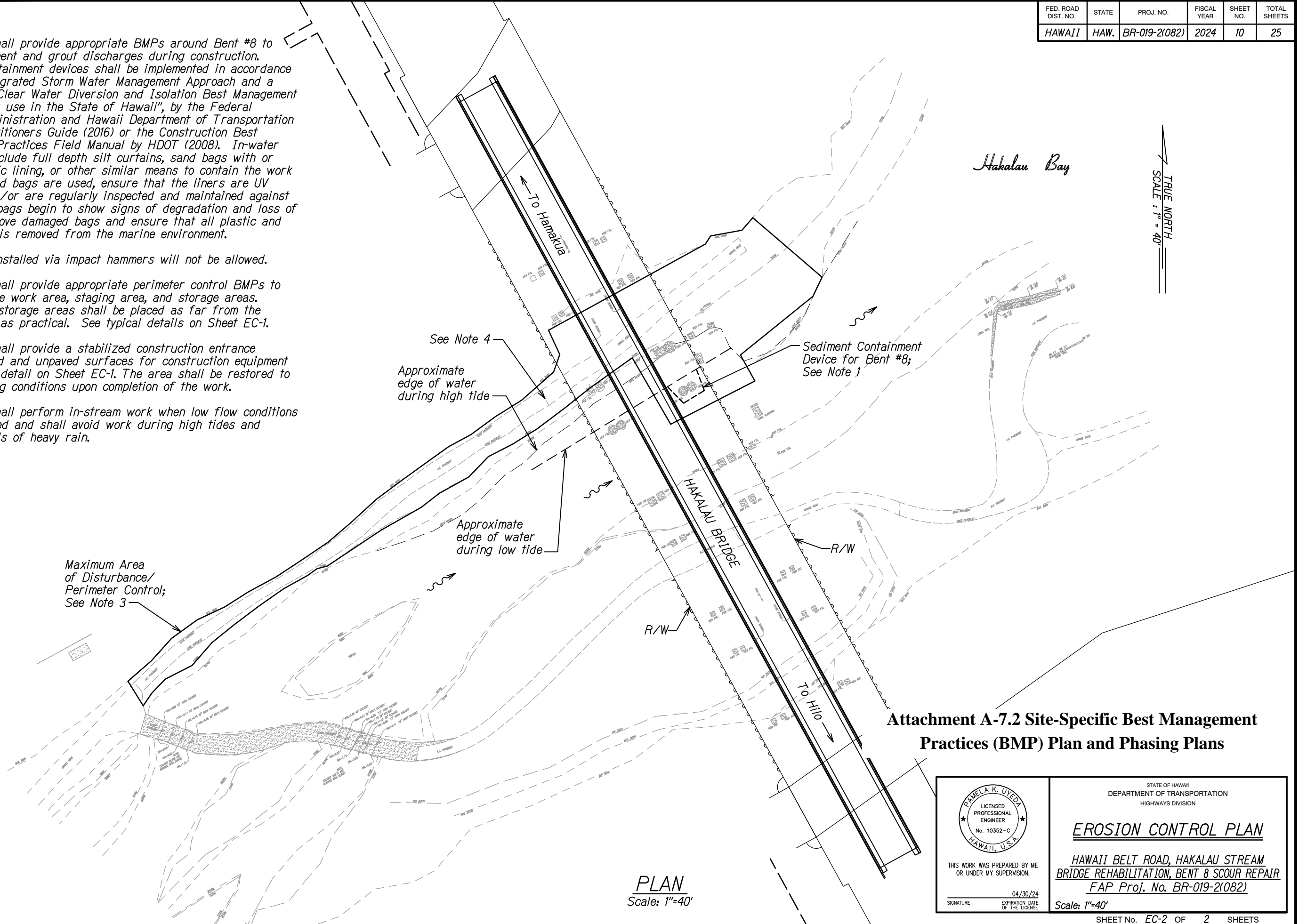
HAWAII BELT ROAD, HAKALAU STREAM
BRIDGE REHABILITATION, BENT 8 SCOUR REPAIR
FAP Proj. No. BR-019-2(082)

Scale: As Shown

NOTES:

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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(082)	2024	10	25



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N _o	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL PLAN

HAWAII BELT ROAD, HAKALAU STREAM
BRIDGE REHABILITATION, BENT 8 SCOUR REPAIR
FAP Proj. No. BR-019-2(082)

Scale: 1"=40'

RAMELA K. UYEDA
LICENSED PROFESSIONAL ENGINEER
No. 10352-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

04/30/24
EXPIRATION DATE OF THE LICENSE