

Form C Attachment A-1
Location and Outfall Maps

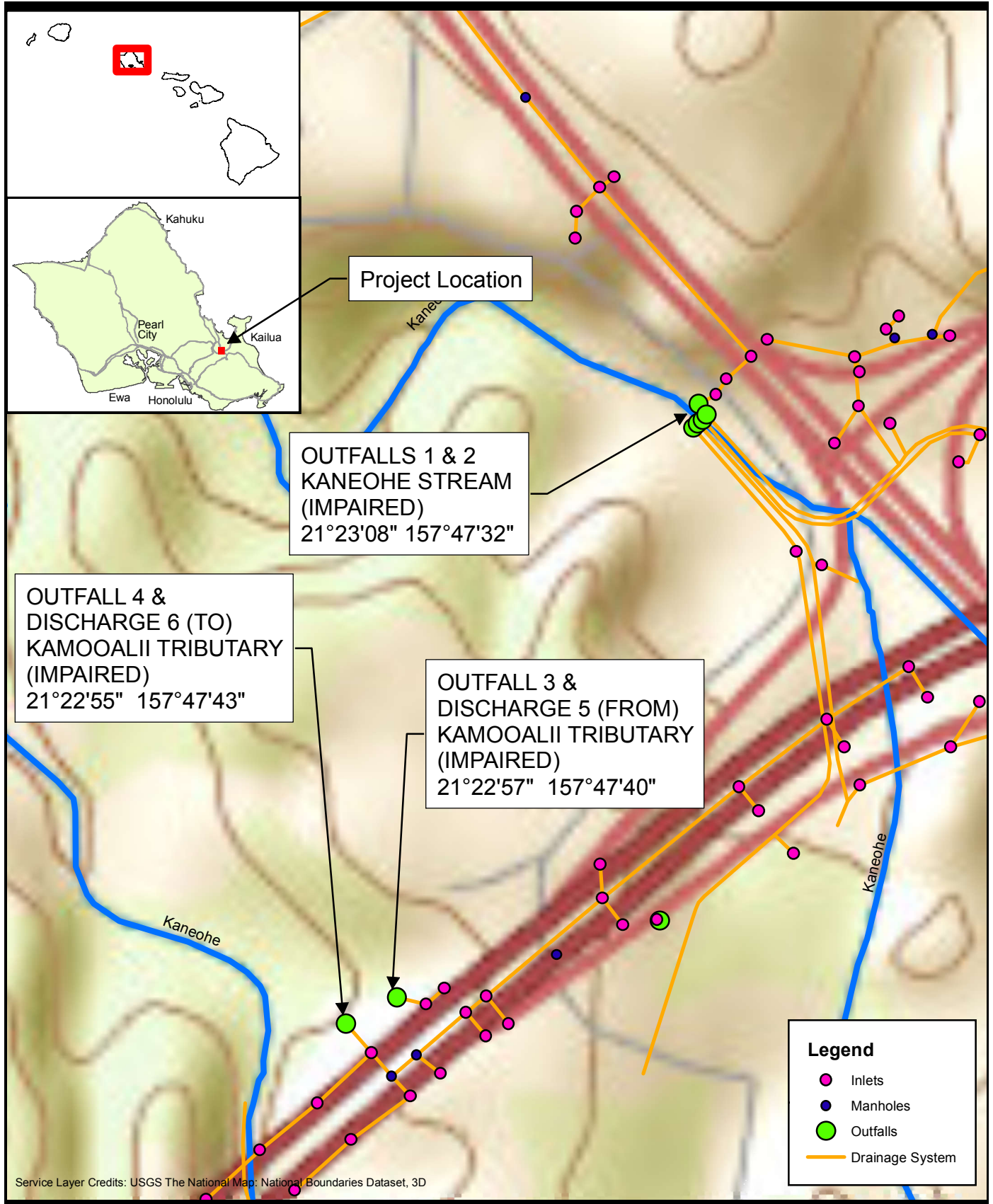
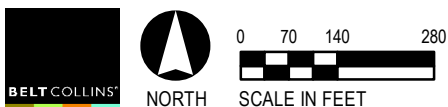
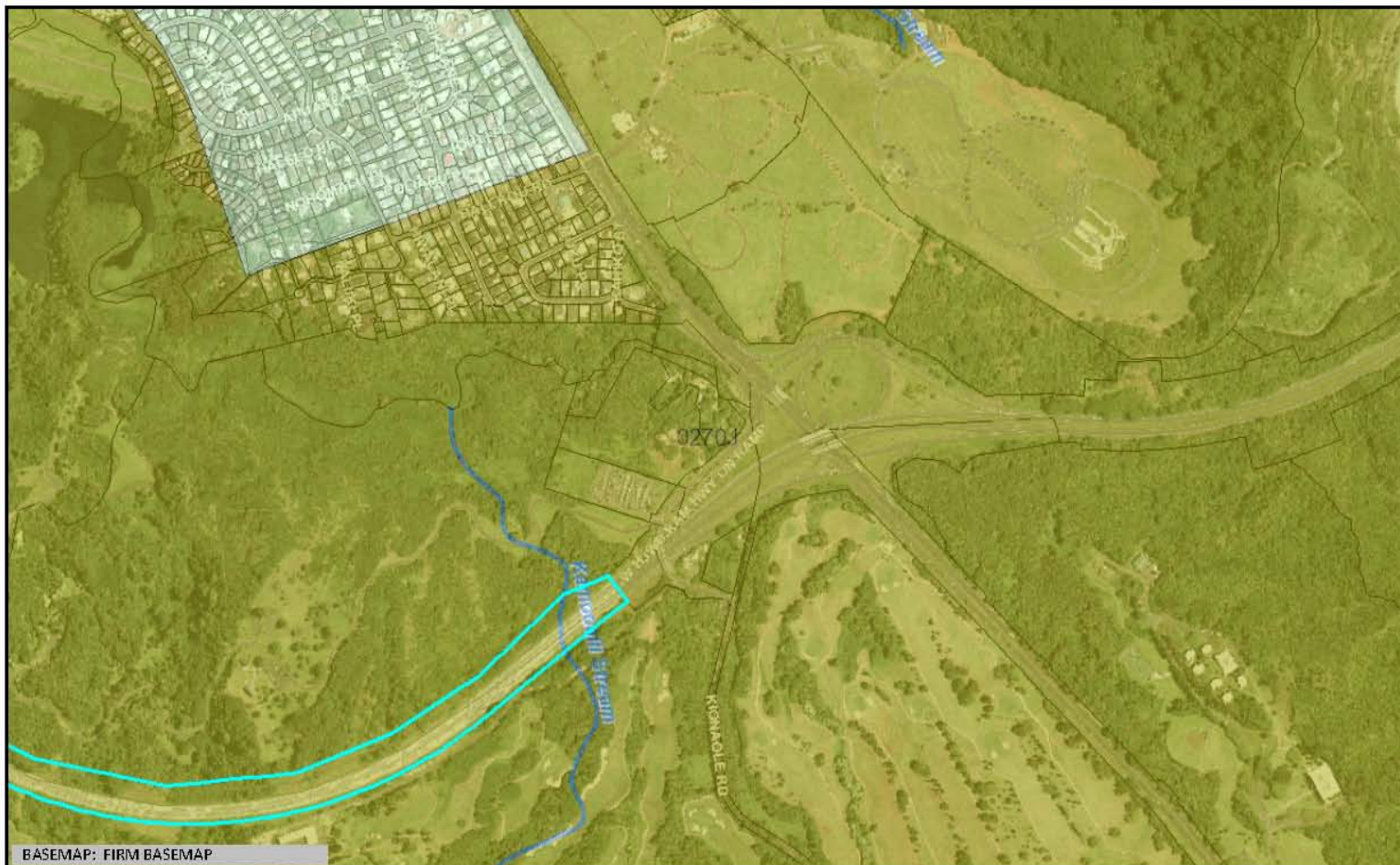


Figure 1
Vicinity and Outfall Map

Miscellaneous Permanent Best Management Practices, Phase 2A
HDOT
April 2016





Flood Hazard Assessment Report

www.hawaiiinfip.org

PBMP A & PBMP B

Property Information

COUNTY: HONOLULU
 TMK NO: (1) 4-5-042:014
 WATERSHED: KANEHOE
 PARCEL ADDRESS: UNKNOWN ADDRESS
 KANEHOE, HI 96744

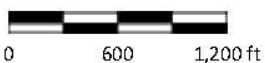
Notes:

Flood Hazard Information

FIRM INDEX DATE: NOVEMBER 05, 2014
 LETTER OF MAP CHANGE(S): NONE
 FEMA FIRM PANEL: 15003C0270J
 PANEL EFFECTIVE DATE: NOVEMBER 05, 2014

THIS PROPERTY IS WITHIN A TSUNAMI EVACUATION ZONE: NO
 FOR MORE INFO, VISIT: <http://www.scd.hawaii.gov/>

THIS PROPERTY IS WITHIN A DAM EVACUATION ZONE: NO
 FOR MORE INFO, VISIT: <http://dlnr.hawaii.gov/dam/>



Disclaimer: The Hawaii Department of Land and Natural Resources (DLNR) assumes no responsibility arising from the use, accuracy, completeness, and timeliness of any information contained in this report. Viewers/Users are responsible for verifying the accuracy of the information and agree to indemnify the DLNR, its officers, and employees from any liability which may arise from its use of its data or information.

If this map has been identified as 'PRELIMINARY', please note that it is being provided for informational purposes and is not to be used for flood insurance rating. Contact your county floodplain manager for flood zone determinations to be used for compliance with local floodplain management regulations.

FLOOD HAZARD ASSESSMENT TOOL LAYER LEGEND

(Note: legend does not correspond with NFHL)

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD - The 1% annual chance flood (100-year), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. SFHAs include Zone A, AE, AH, AO, V, and VE. The Base Flood Elevation (BFE) is the water surface elevation of the 1% annual chance flood. Mandatory flood insurance purchase applies in these zones:

	Zone A: No BFE determined.
	Zone AE: BFE determined.
	Zone AH: Flood depths of 1 to 3 feet (usually areas of ponding); BFE determined.
	Zone AO: Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined.
	Zone V: Coastal flood zone with velocity hazard (wave action); no BFE determined.
	Zone VE: Coastal flood zone with velocity hazard (wave action); BFE determined.
	Zone AEF: Floodway areas in Zone AE. The floodway is the channel of stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without increasing the BFE.

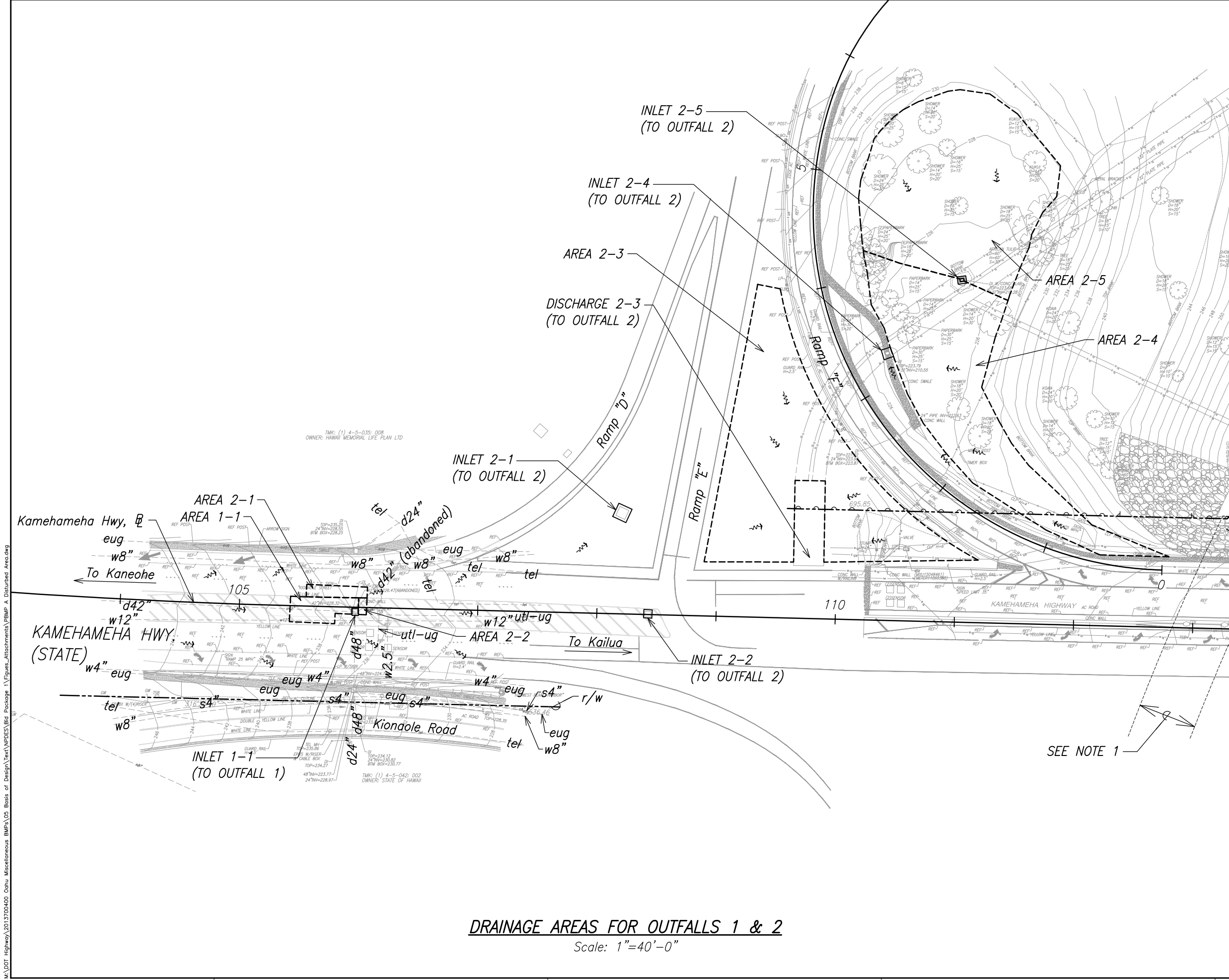
NON-SPECIAL FLOOD HAZARD AREA - An area in a low-to-moderate risk flood zone. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

	Zone XS (X shaded): Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
	Zone X: Areas determined to be outside the 0.2% annual chance floodplain.

OTHER FLOOD AREAS

	Zone D: Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase applies, but coverage is available in participating communities.
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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-15	2016	X	XX



Notes:
1. Approximate limits of H-3 deck above.

Baseline Note:
Kamehameha Hwy. @ information from "Construction Plans for a Portion of Interstate Route H-3 Halekou Interchange", Project No. I-IR-H3-1(24)11.

DRAINAGE AREAS FOR OUTFALLS 1 & 2
Scale: 1"=40'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE AREAS

MISCELLANEOUS PERMANENT
BEST MANAGEMENT PRACTICES, PHASE 2A

Project No. HWY-O-01-15

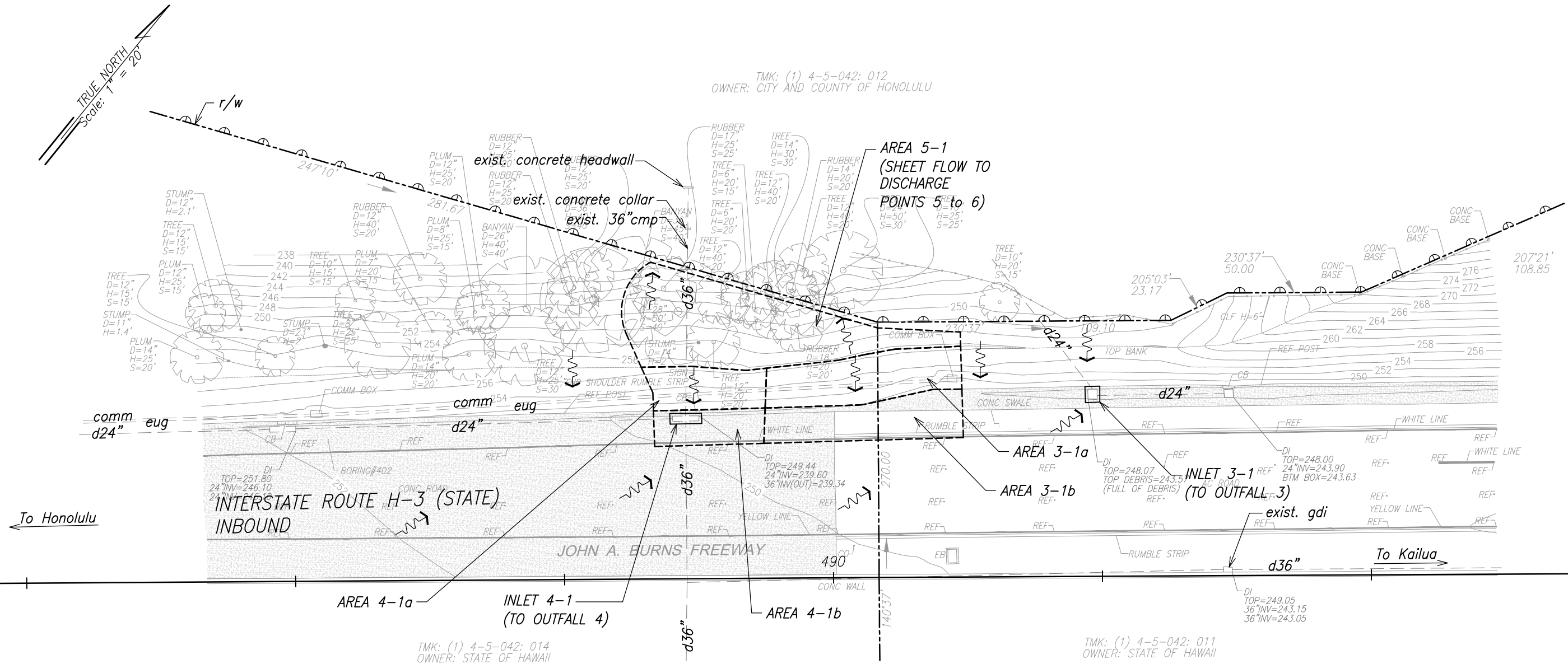
Scale: 1"=40' Date: April 2016

SHEET No. 1 OF 2 SHEETS

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

M:\DOT Highway\2013\700400 Oahu Miscellaneous BMPs\05 Basis of Design\Text\NPDES\Bld Package 1\Figures\Attachments\BMP A Disturbed Area.dwg

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-15	2016	X	XX



DRAINAGE AREAS FOR OUTFALL 3
Scale: 1"=20'-0"

Baseline Note:
Baseline information from "Plans for Construction of a Portion of Interstate Route H-3 Kaneohe Interchange to Halekou Interchange", Federal Aid Interstate Project No. I-H3-1(50), 1989.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE AREAS

MISCELLANEOUS PERMANENT
BEST MANAGEMENT PRACTICES, PHASE 2A

Project No. HWY-O-01-15

Scale: 1"=20' Date: April 2016

SHEET No. 2 OF 2 SHEETS

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

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