

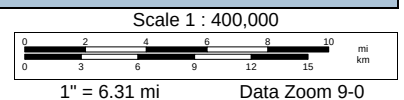
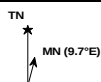


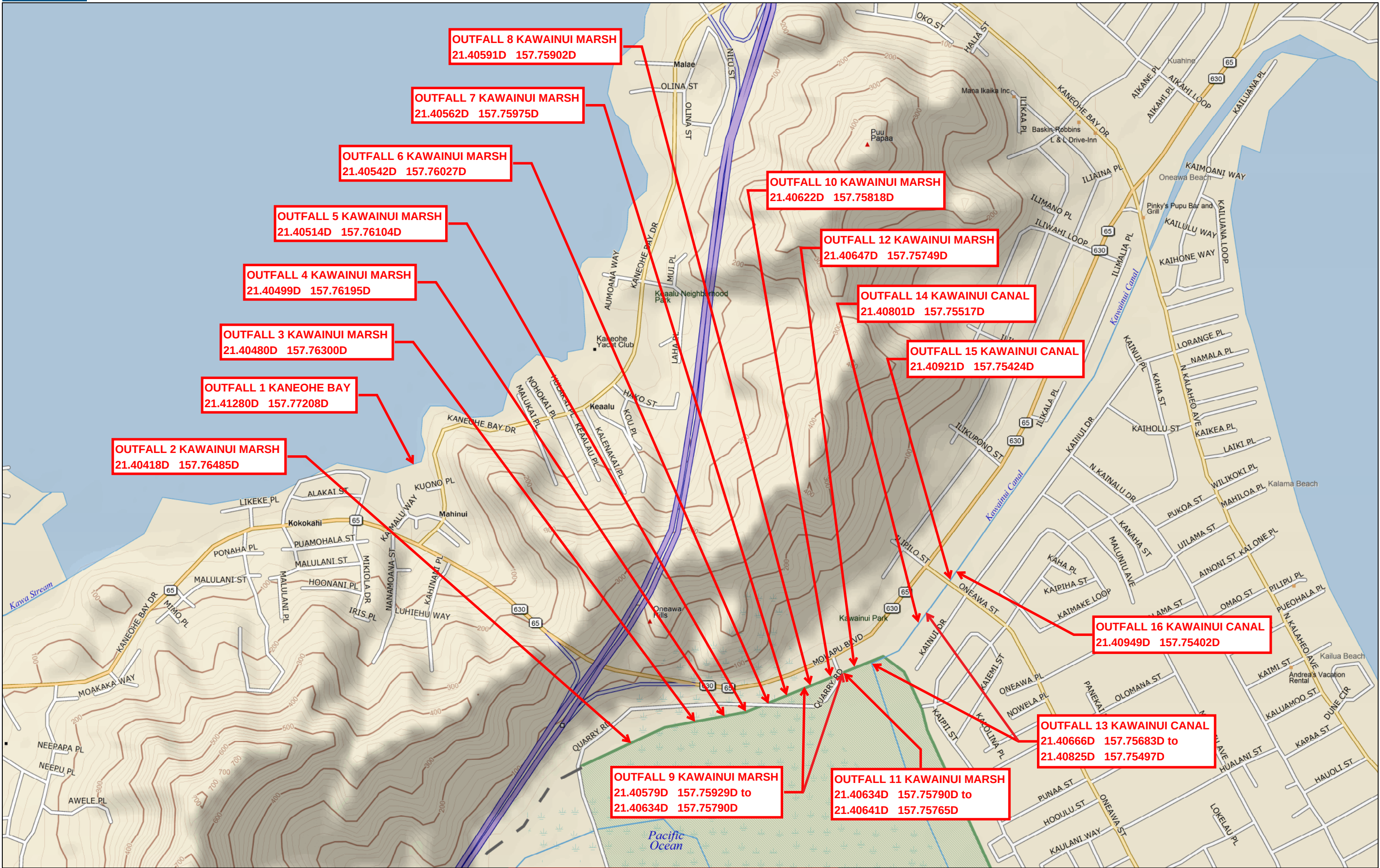
LOCATION MAP

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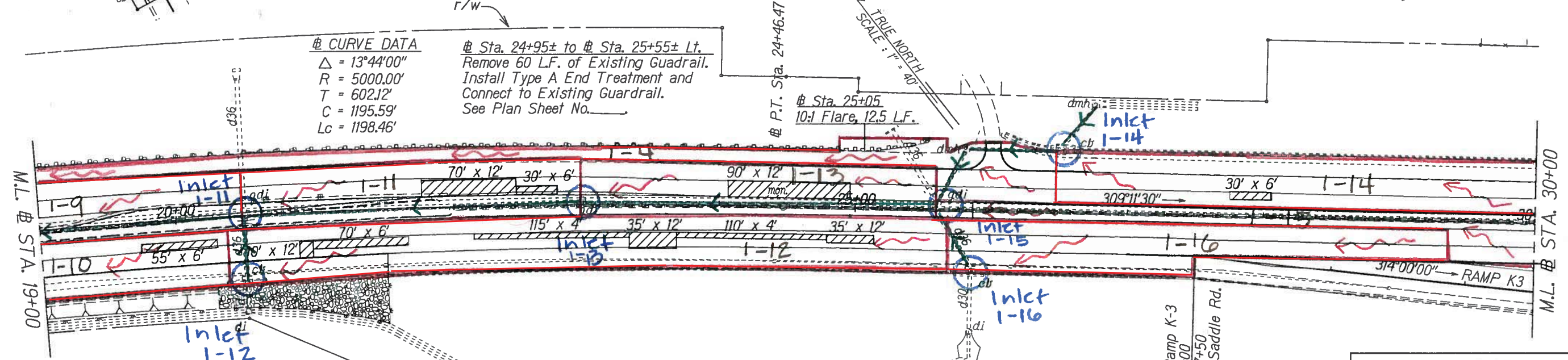
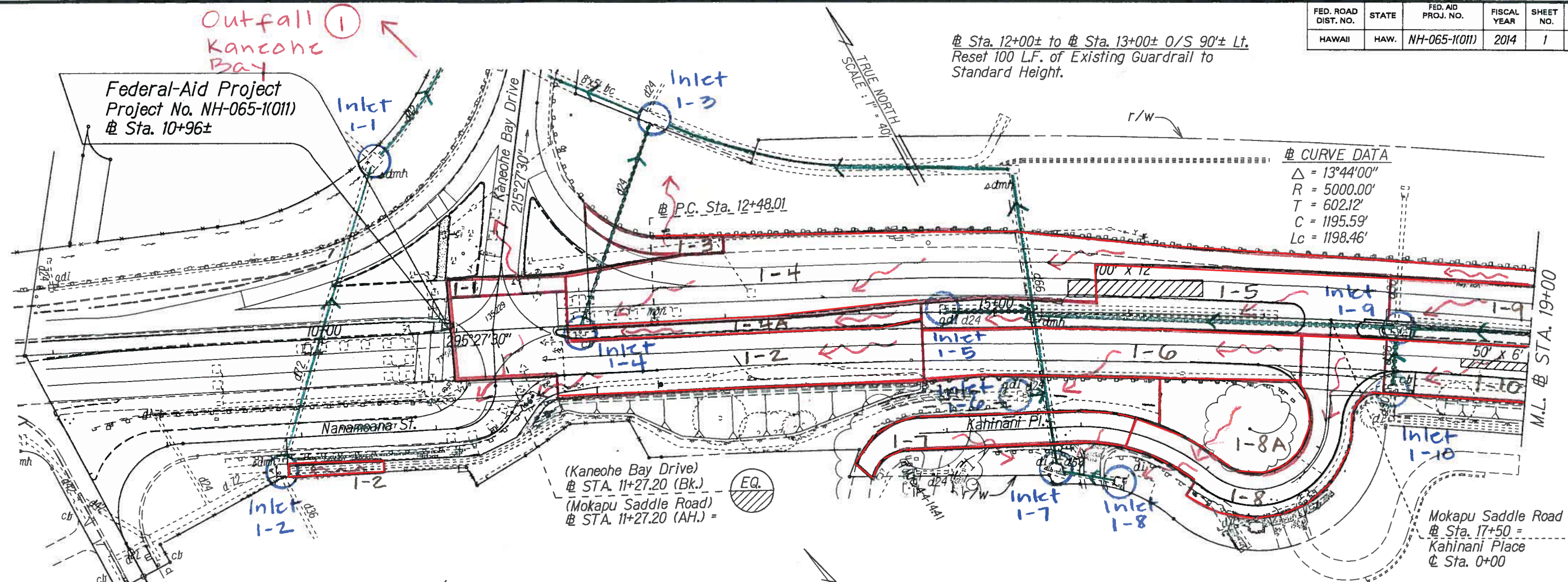
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OUTFALL MAP

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-065-1(011)	2014	1	5



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

MOKAPU SADDLE ROAD REHABILITATION
Nanamoana Street to Oneawa Street
Federal Aid Project No. NH-065-1(011)

Scale: 1"=40' Date: June, 2014

SHEET No. 1 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-065-(K011)	2014	2	5

~~B~~ CURVE DATA

$$\begin{aligned}\Delta &= 30^{\circ}30'30'' \\ R &= 1200.00' \\ T &= 327.25' \\ C &= 631.44' \\ Lc &= 638.96'\end{aligned}$$

Sta. 38+50± to Sta. 40+25 o/s 46.50' Lt.
Remove 175 L.F. of Existing Guardrail and
End Treatment. Install Strong Post W-Beam
and Transition to Strong Post Rubrail.
Install Type A End Treatment on Trailing End
See Plan Sheet No. ____

Remove 50 LF. of Existing Guardrail and Post.
Install Strong Post Rubrail. See Plan Sheet No. _____

Sta. 40+75 to # Sta. 41+00 o/s 46.50' Lt.
Remove 25 L.F. of Existing Guardrail and Post.
Transition from Strong Post Rubrail to Strong
Post W-Beam. See Plan Sheet No. ____.

To Culvert
Entrance 4-2

STA. 41+00

Inlet
3-1

Outfall (3)
Kawainui Marsh

Sta. 39+47 to # Sta. 40+47 Median
Remove 100 L.F. of Existing Guardrail
and End Treatment. Transition from
Existing Strong Post Rubrail to Strong
Post W-Beam. Install QuadGuard QG28024
or equivalent and transition sections.
See Plan Sheet No. .

STATE OF HAWAII
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HIGHWAYS DIVISION

ROADWAY PLANS

MOKAPU SADDLE ROAD REHABILITATION

Nanamoana Street to Oneawa Street
Federal Aid Project No. NH-065-1(011)

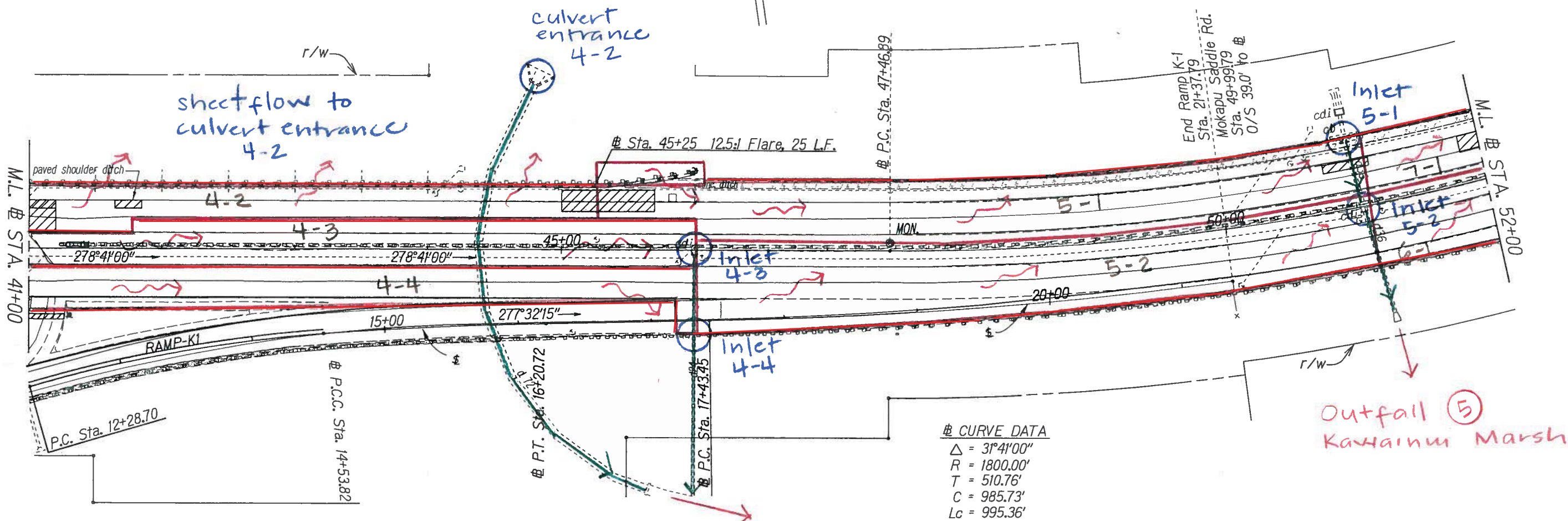
Scale: 1"=40' Date: June, 2014

SHEET No. 2 OF 5 SHEETS

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-065-1(011)	2014	3	5

@ Sta. 41+00± to @ Sta. 46+00± o/s 46.50' Lt.
 Remove 500 L.F. of Existing Guardrail and End Treatment. Install 425 L.F. of New Strong Post W-Beam Guardrail and Install Type A End Treatment on Trailing End.



@ Sta. 41+24± to @ Sta. 41+86± Median
 Remove 62.5 L.F. of Existing Guardrail and End Treatment. Transition Existing Strong Post Rubrail to new Strong Post W-beam. Install QuadGuard QG28024 or equivalent and transition sections. See Plan Sheet No. _____.

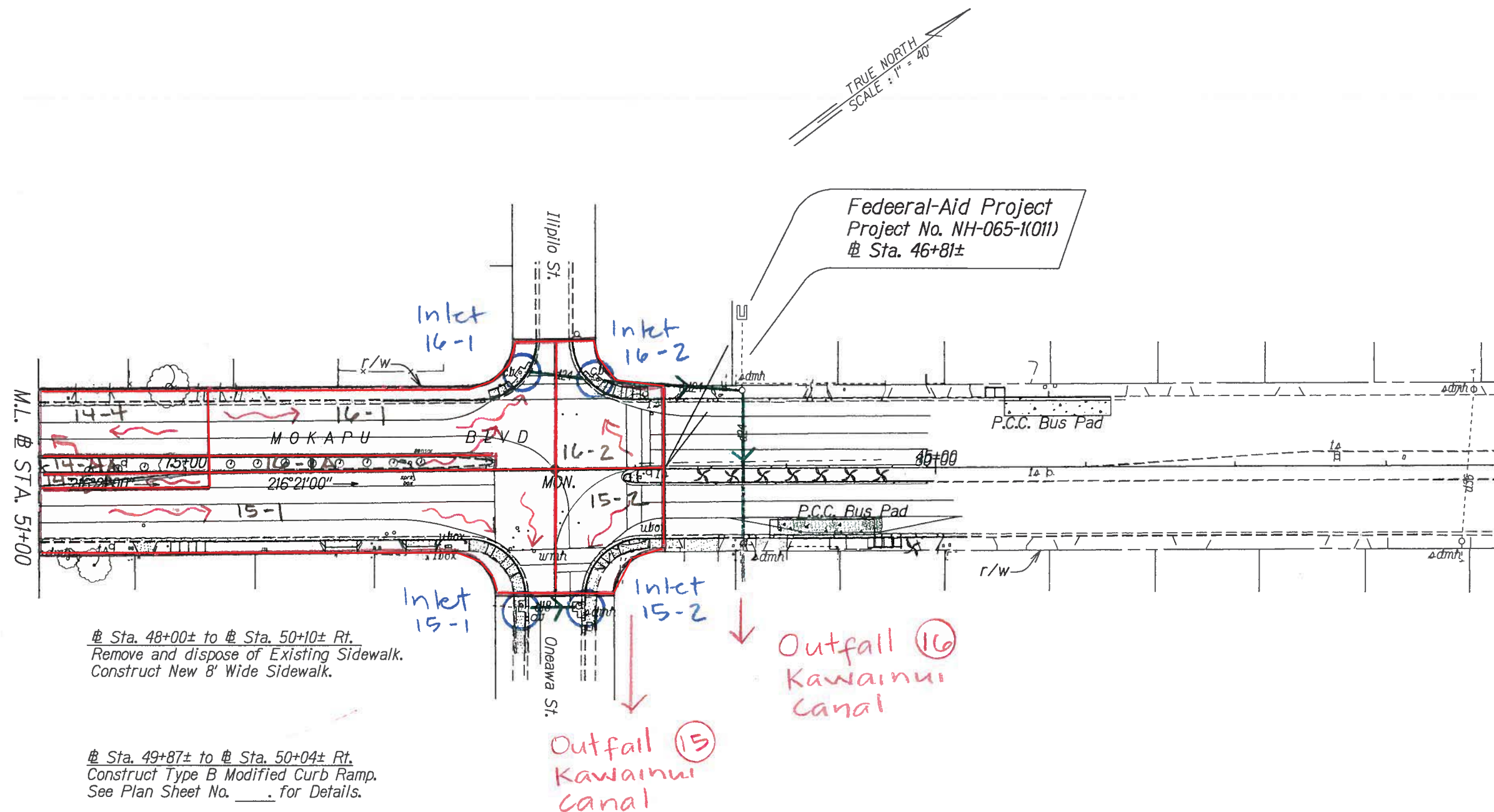
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLANS
 MOKAPU SADDLE ROAD REHABILITATION
 Nanamoana Street to Oneawa Street
 Federal Aid Project No. NH-065-1(011)
 Scale: 1"=40' Date: March, 2015

SHEET No. 3 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-065-1(011)	2014	5	5



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

MOKAPU SADDLE ROAD REHABILITATION
Nanamoana Street to Oneawa Street
Federal Aid Project No. NH-065-1(011)

Scale: 1"=40' Date: June, 2014

SHEET No. 5 OF 5 SHEETS