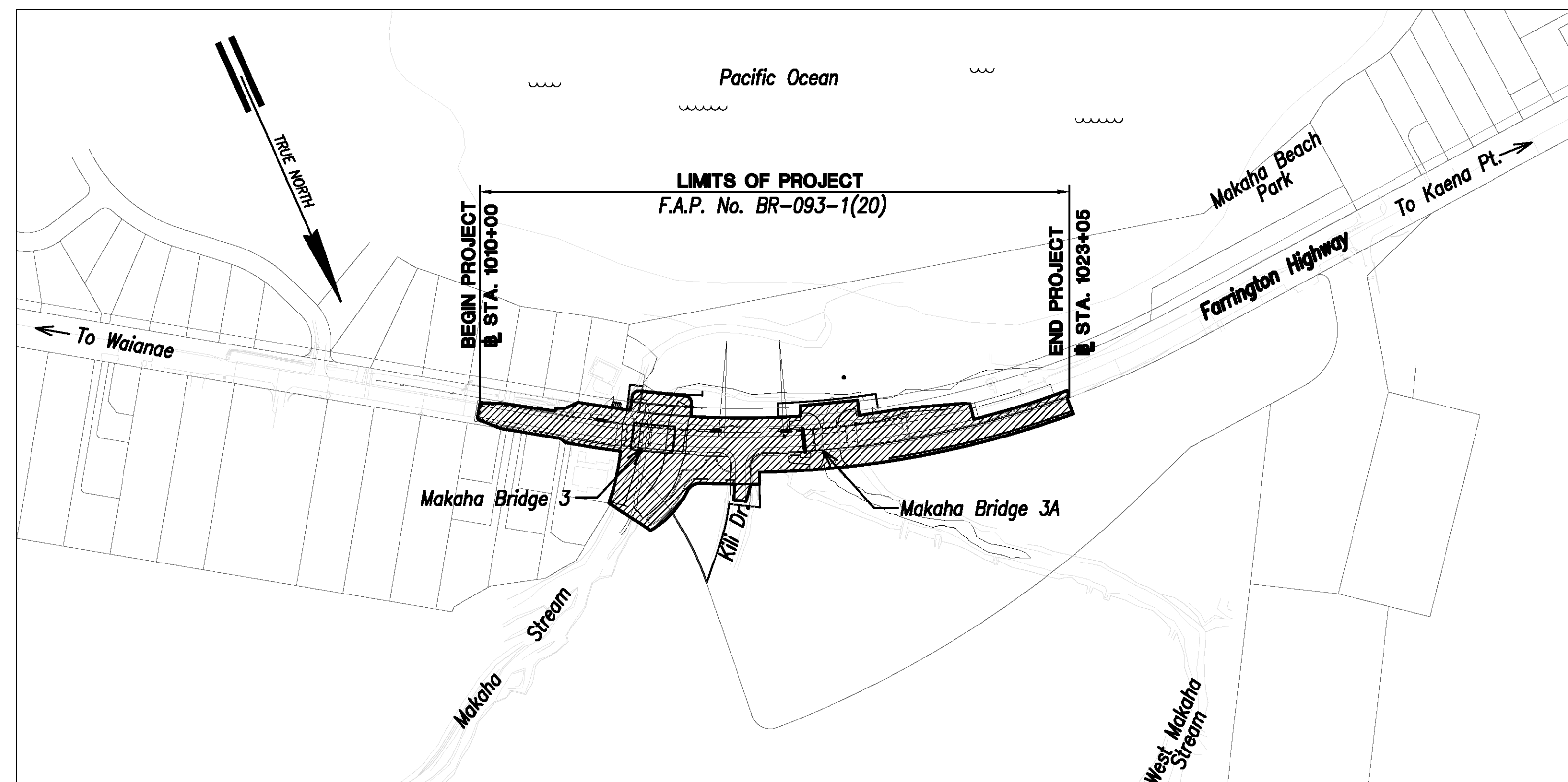
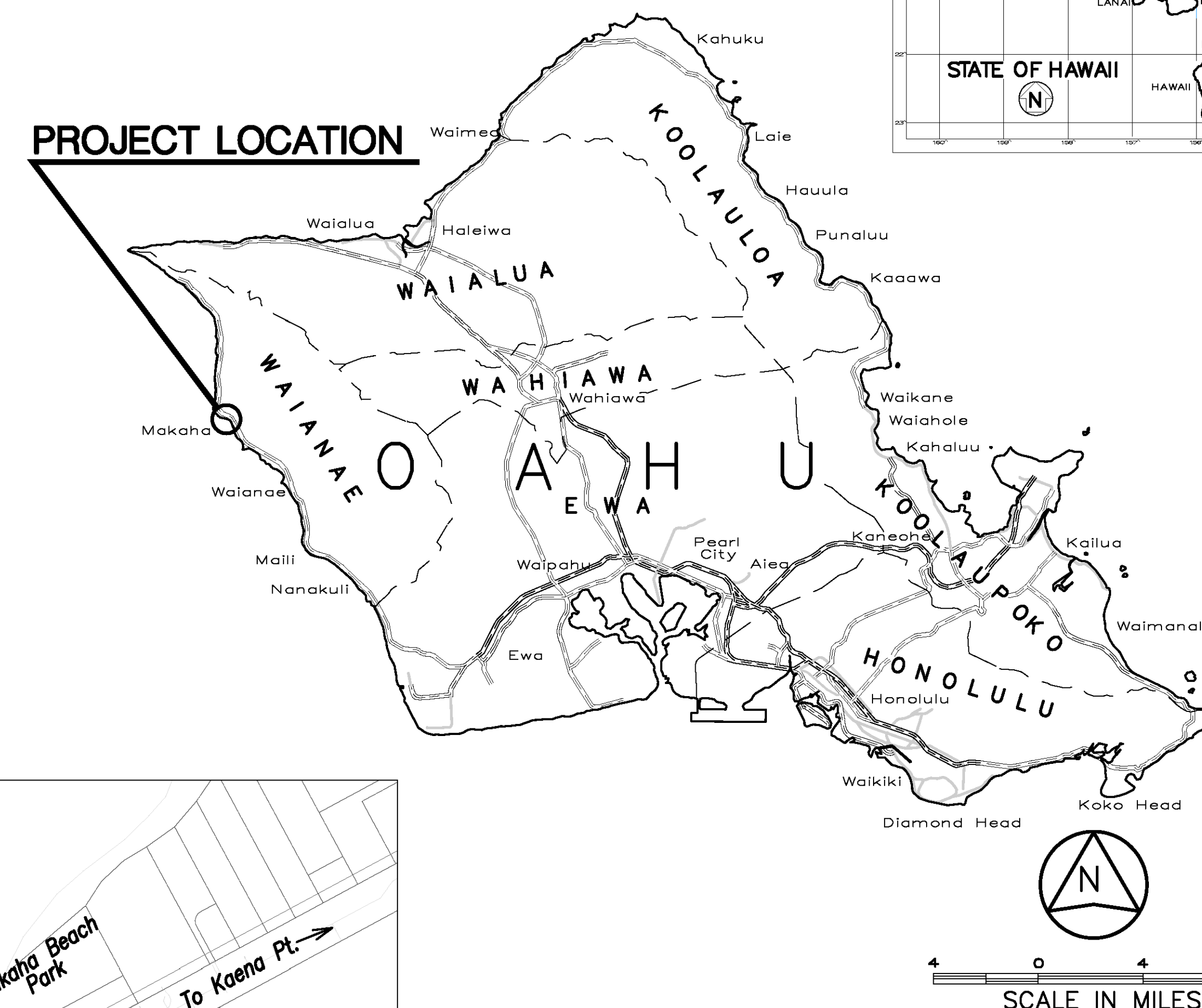
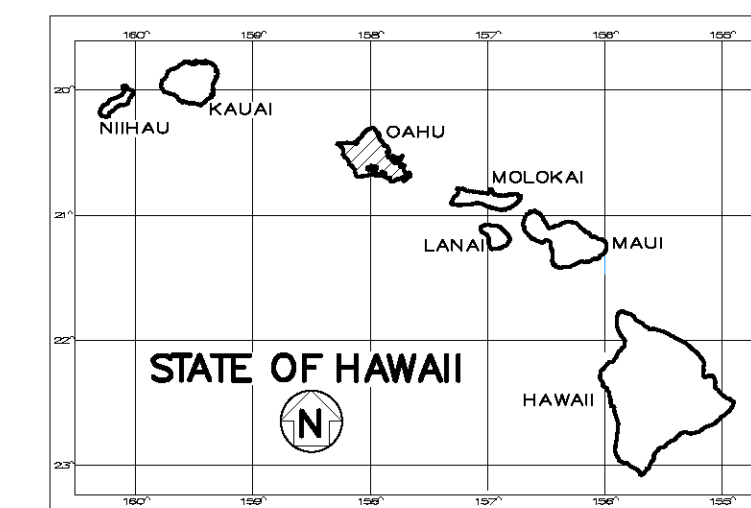


INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	SHEET INDEX
4	STANDARD PLANS AND SUMMARY
5	LEGEND AND ABBREVIATIONS
6-13	CONSTRUCTION NOTES
14	GENERAL PLAN
15-18	TYPICAL SECTIONS
19-21	DEMOLITION PLANS
22-24	BY-PASS ROAD PLAN AND PROFILE
25-26	GEOMETRIC PLAN
27-30	ROADWAY PLAN AND PROFILE
31	SUPERELEVATION DIAGRAM
32-33	BRIDGE PLANS
34-35	STREAM CHANNEL PLANS
36-37	GRADING AND DRAINAGE PLANS
38	PROPERTY ADJUSTMENT
39-41	STREAM CHANNEL SECTIONS
42-43	PROFILES
44	DETAILS
45-49	SIGNING AND STRIPING PLANS AND DETAIL
50-55	EROSION AND SEDIMENT CONTROL
56	WATERLINE PLAN AND PROFILE
57-60	DETAILS
61-62	BUS SHELTER
63-67	GUARDRAIL DETAILS
68-71	ROAD CROSS SECTIONS
72-77	TRAFFIC CONTROL PLANS
78-80	CATHODIC PROTECTION DETAILS
81-145	STRUCTURAL PLANS
146-162	ELECTRICAL PLANS
163-168	BORING LOCATION AND LOGS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII

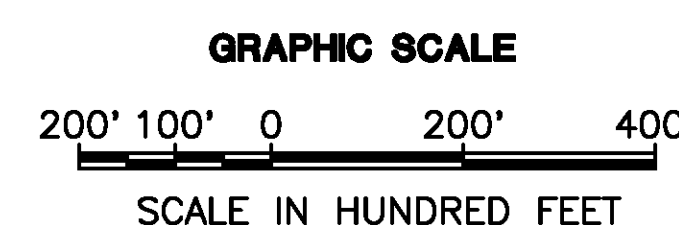
PLANS FOR
FARRINGTON HIGHWAY
REPLACEMENT OF MAKAHA BRIDGE NO. 3
AND MAKAHA BRIDGE NO. 3A
FEDERAL AID PROJECT NO. BR-093-1(20)
DISTRICT OF WAIANAE
ISLAND OF OAHU

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-093-1(20)	2020	1	168



LAYOUT PLAN

NET LENGTH OF PROJECT - 0.25 MILES
GROSS LENGTH OF PROJECT - 0.25 MILES



FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

MILE POST 13.95 TO MILE POST 14.20

DESIGN DESIGNATION

ADT (2012)5,600
DESIGN ADT (2032)6,600
DHV530
D (DESIGN)55/45
T (DESIGN)3.5%
T244.5%
V45 MPH

DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII
APPROVED:
Aug 13, 2020
DIR. OF TRANSPORTATION DATE

R.M. TOWILL CORPORATION
DESIGNED BY
HWY-DS
MANAGED BY
692-7550
PHONE
AUGUST 2020
DATE