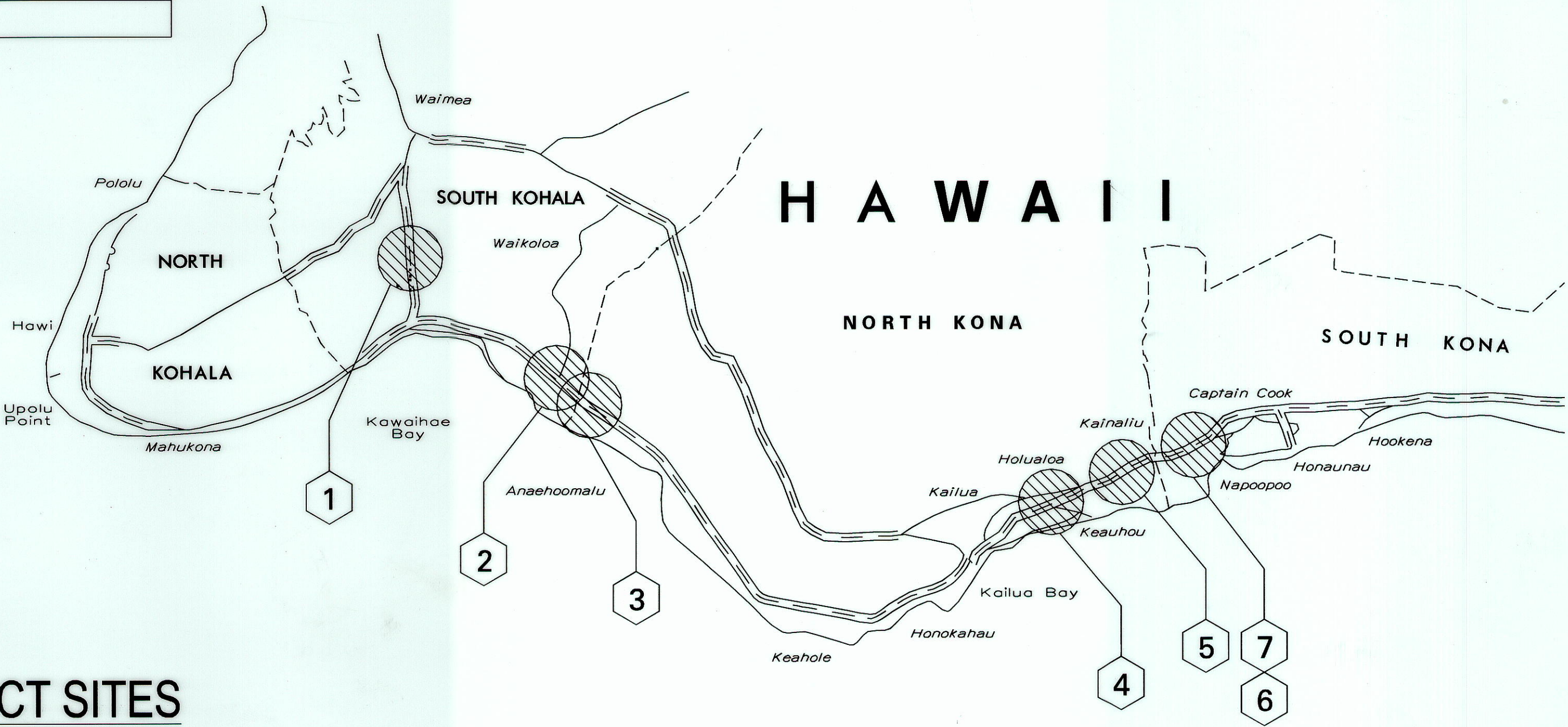
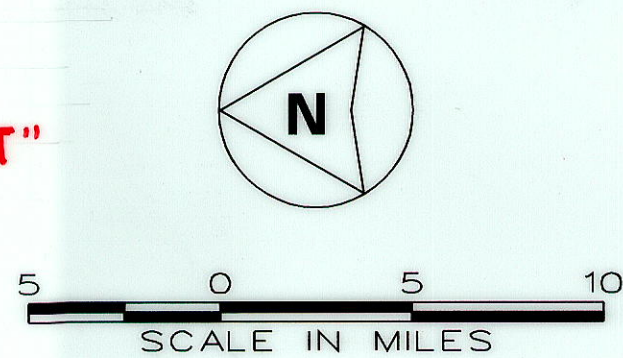


INDEX TO DRAWINGS	
SHEET	DESCRIPTION
1	TITLE SHEET
2	STANDARD PLANS SUMMARY
	CIVIL PLANS
3	GENERAL NOTES
4-5	WATER POLLUTION & EROSION CONTROL NOTES
6	LOCATION MAP
7	SUBDRAIN DETAILS
8-9	KAWAIHAE ROAD, ROUTE 19, MP 64.8
10-11	QUEEN KAAHUMANU HIGHWAY, ROUTE 19, MP 71.6
12-13	QUEEN KAAHUMANU HIGHWAY, ROUTE 19, MP 73.3
14	KUAKINI HIGHWAY, ROUTE 11, MP 117.6
15-16	KUAKINI HIGHWAY, ROUTE 11, MP 114.1
17-18	MAMALAHOA HIGHWAY, ROUTE 11, MP 108.9
19-20	MAMALAHOA HIGHWAY, ROUTE 11, MP 108.8
21	WORK ZONE SIGNING PLAN
	STRUCTURAL PLANS
22	GENERAL NOTES
23-26	MAMALAHOA HIGHWAY, MP 108.8
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30-33	GUARDRAIL PLANS DETAILS

33S-1

Note:

Added Sheet 33S-1
Sheet Count after "AS-BUILT"
postings 34 Sheets.



PROJECT SITES

- 1

KAWAIHAE ROAD, ROUTE 19
MILE POST 64.8
- 2

QUEEN KAAHUMANU HIGHWAY, ROUTE 19
MILE POST 71.6
- 3

QUEEN KAAHUMANU HIGHWAY, ROUTE 19
MILE POST 73.3
- 4

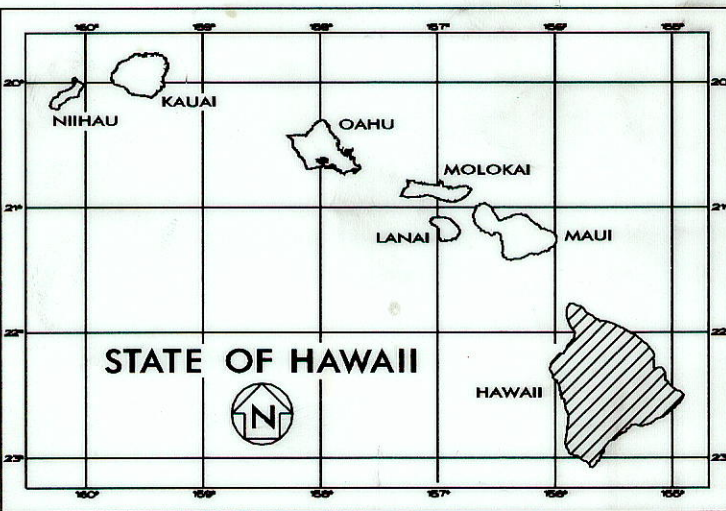
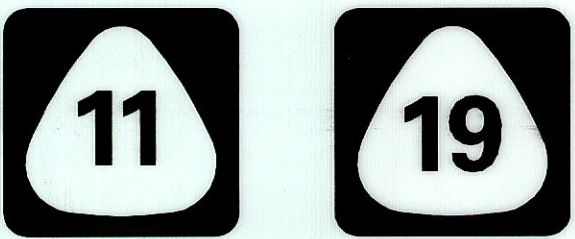
KUAKINI HIGHWAY, ROUTE 11
MILE POST 117.6
- 5

KUAKINI HIGHWAY, ROUTE 11
MILE POST 114.1
- 6

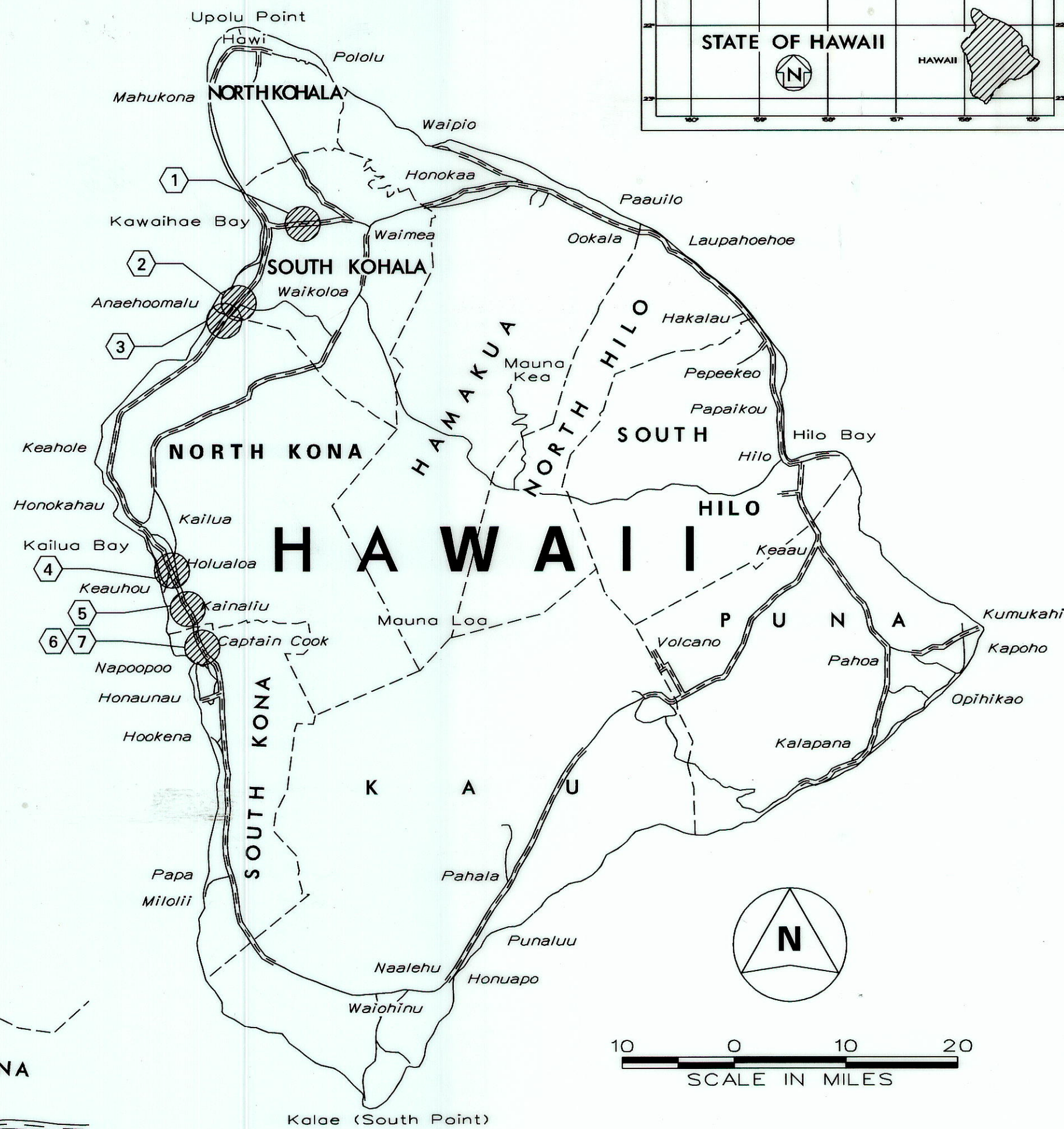
MAMALAHOA HIGHWAY, ROUTE 11
MILE POST 108.9
- 7

MAMALAHOA HIGHWAY, ROUTE 11
MILE POST 108.8

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII
"AS-BUILT"
PLANS FOR
EMERGENCY EARTHQUAKE
ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 2
FEDERAL-AID PROJECT NO. ER-15(20)
DISTRICTS OF SOUTH KOHALA, NORTH KONA, AND SOUTH KONA
ISLAND OF HAWAII



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(20)	2010	1	33



- FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION
- PROJECT SITE

DESIGN DESIGNATION

	1	2 3	4	5	6 7
ADT (2009)	8,900	12,000	21,600	20,600	8,000
DESIGN ADT (2019)	10,900	15,300	26,300	23,900	10,400
DHV	1,000	1,300	2,100	1,900	900
D	70/30	60/40	60/40	55/45	60/40
T24	5.5	8.0	4.0	4.5	4.0
V (M.P.H.)	65/25	55/35	55/35	50/40	55/35

CHANGES MADE DURING CONSTRUCTION HAVE BEEN INCORPORATED ON THESE PLANS EXCEPT CHANGES IN THE ORIGINAL THEORETICAL QUANTITIES. FOR ACTUAL QUANTITIES, REFER TO PROJECT LEDGER AND/OR COMPUTATION BOOK.

[Signature] 05-08-14
RESIDENT ENGINEER DATE

DEPARTMENT OF TRANSPORTATION STATE OF HAWAII	
APPROVED:	
<i>[Signature]</i>	06/16/11
DIR. OF TRANSPORTATION	DATE