INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STANDARD PLANS SUMMARY
3	GENERAL NOTES & LEGEND
4–10	DRAINAGE PLANS
11	DRAINAGE PROFILES
12–19	DRAINAGE DETAILS
20–27	GUARDRAIL DETAILS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19G–02–99	2000	1	27

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

HONOLULU, HAWAII

PLANS FOR

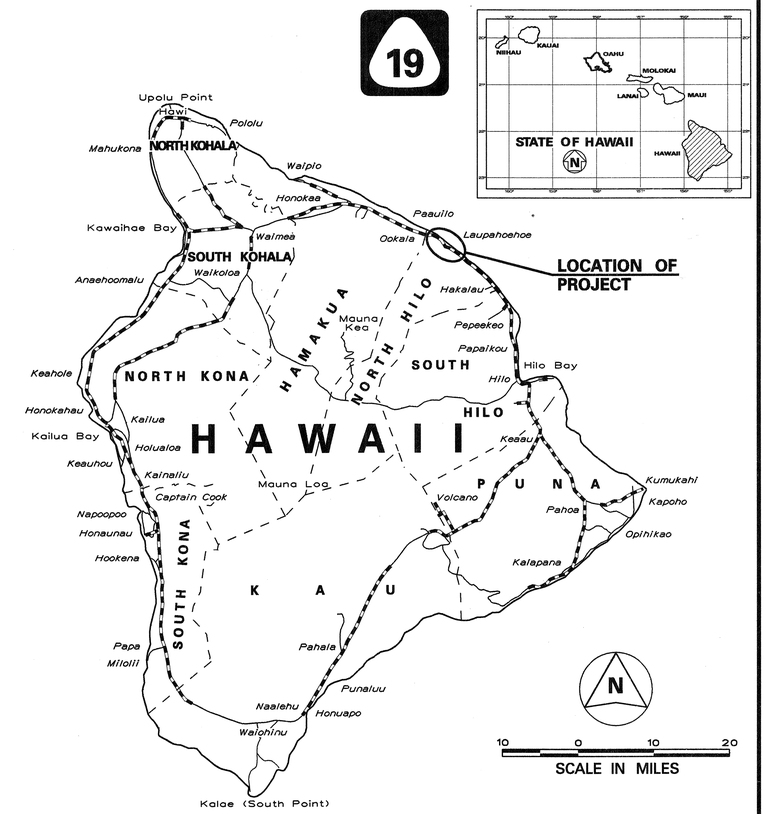
HAWAII BELT ROAD DRAINAGE IMPROVEMENTS

VICINITY OF MAULUA GULCH, LAUPAHOEHOE GULCH, AND KAAWALII GULCH

PROJECT NO. 19G–02–99

DISTRICT OF NORTH HILO

ISLAND OF HAWAII

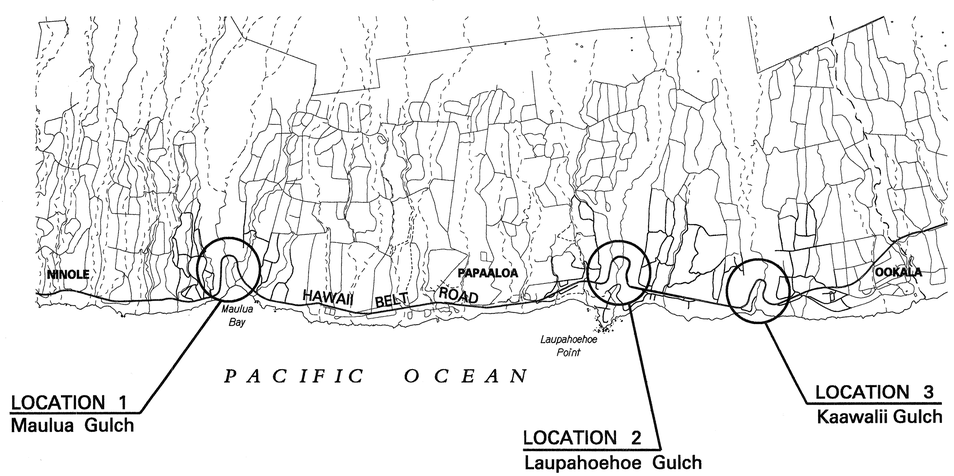


FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

LOCATION 1:
MILE POST 21.0 TO MILE POST 21.6

LOCATION 2:
MILE POST 26.0 TO MILE POST 26.2

LOCATION 3:
MILE POST 27.7 TO MILE POST 28.7



4 0 4 8 12
SCALE IN THOUSAND FEET

LAYOUT PLAN

GROSS LENGTH OF PROJECT.....6.7 MILES

N

HWY-DH DESIGNED BY

ROSS HIRONAKA P. S. & E. BY

692-7575 PHONE

DEC. 1999 DATE

DEPARTMENT OF TRANSPORTATION STATE OF HAWAII	
APPROVED: Kazu Hayashida	1/4/00
DIR. OF TRANSPORTATION	DATE