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STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

HONOLULU, HAWAII

"AS-BUILT"

PLANS FOR

EMERGENCY EARTHQUAKE ROCKFALL

REPAIRS

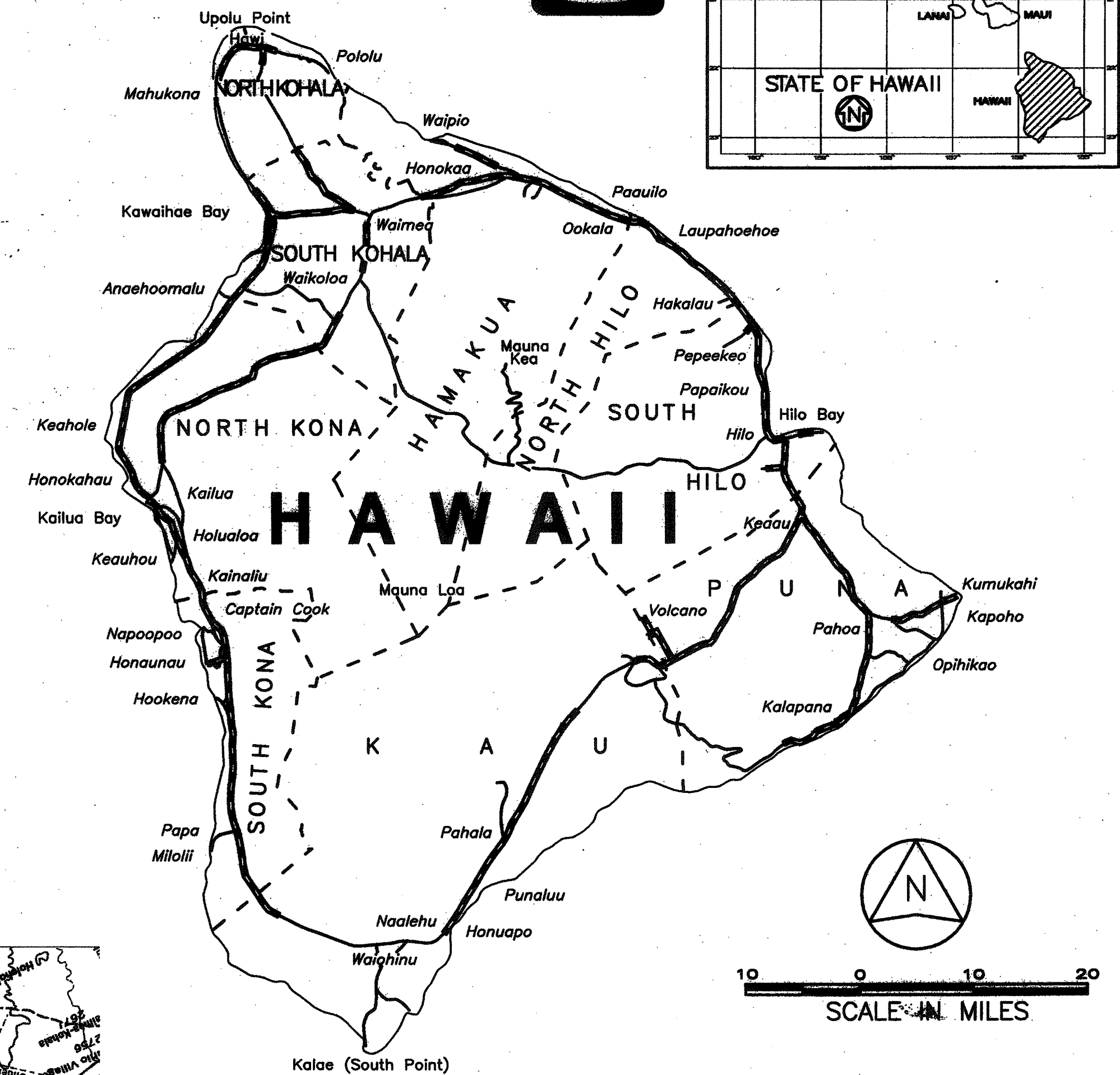
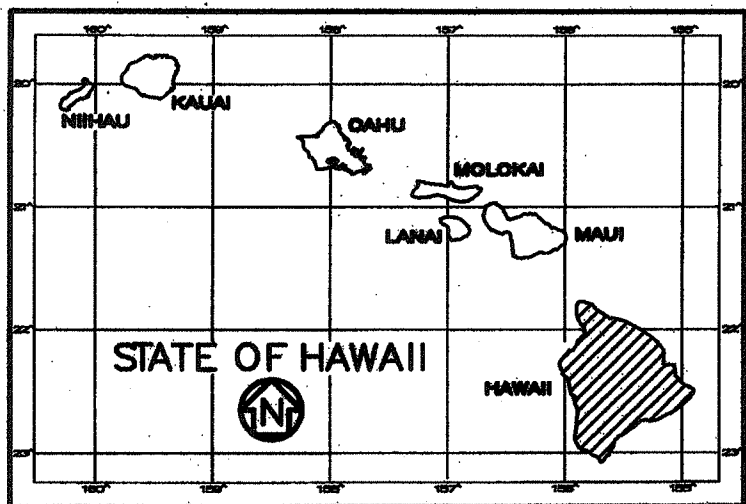
AT VARIOUS LOCATIONS ON HAWAII, UNIT 3

FEDERAL AID PROJ. NO. ER-15(21)

DISTRICTS OF SOUTH HILO, NORTH HILO AND HAMAKUA

ISLAND OF HAWAII

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | ER-15(21)          | 2010        | 1         | 89           |



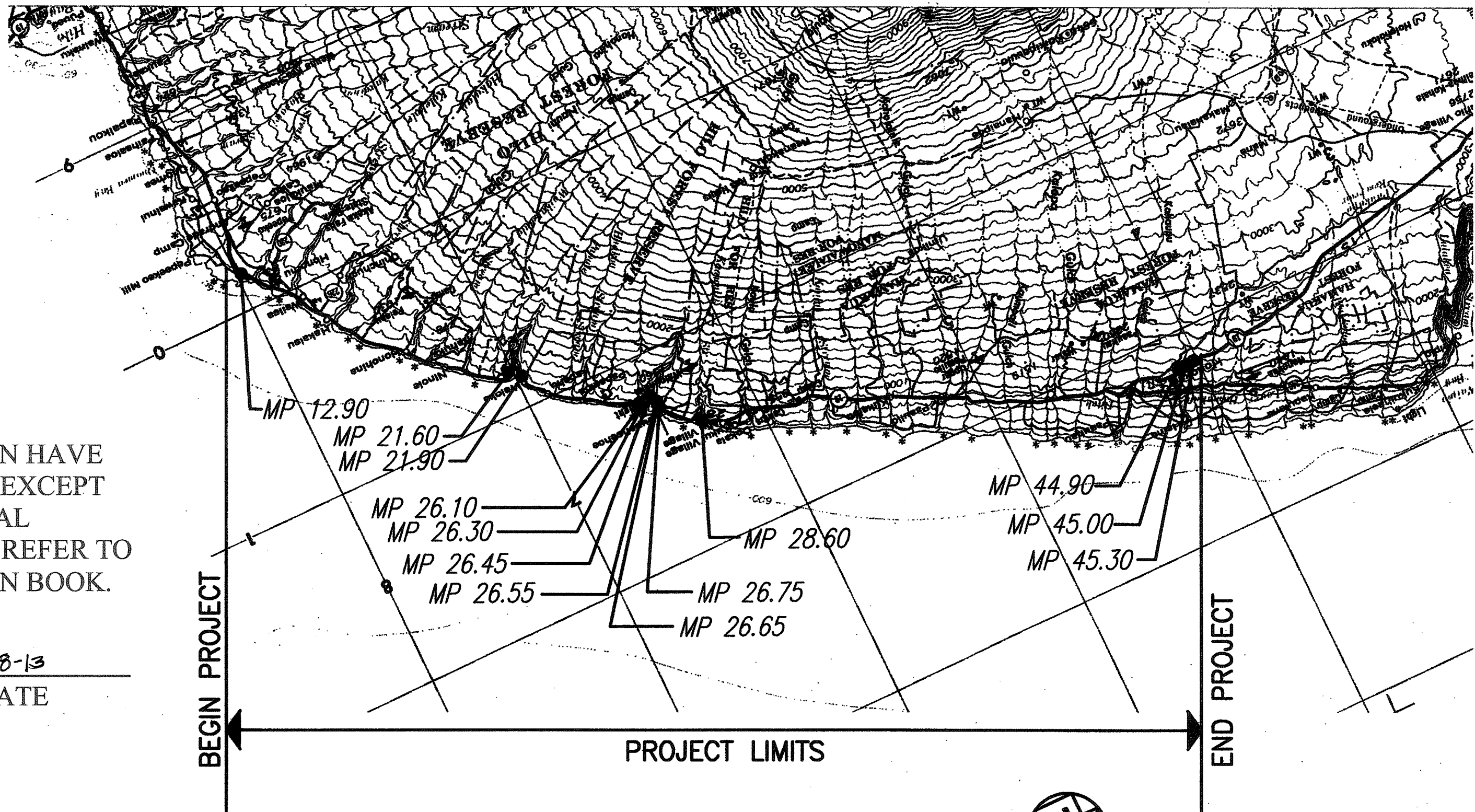
FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

MILE POST 12.9 TO MILE POST 45.3

#### DESIGN DESIGNATION

|                   | M.P. 13 | M.P. 21-29 | M.P. 44-46 |
|-------------------|---------|------------|------------|
| ADT (2009)        | 9,610   | 7,080      | 11,440     |
| DESIGN ADT (2019) | 10,680  | 8,330      | 14,870     |
| DHV               | 910     | 710        | 1,260      |
| D                 | 55/45   | 55/45      | 65/35      |
| T <sub>24</sub>   | 5.0     | 8.5        | 9.0        |
| V                 | 60 MPH  | 60 MPH     | 60 MPH     |

| DEPARTMENT OF TRANSPORTATION<br>STATE OF HAWAII |             |
|-------------------------------------------------|-------------|
| APPROVED:                                       | DEC 30 2009 |
| DIR. OF TRANSPORTATION                          | DATE        |



LAYOUT PLAN

DESIGNED BY  
MANAGED BY  
HWY-H  
PHONE 933-8866  
DATE 12/30/09

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.

RESIDENT ENGINEER

DATE 5-8-13