



1. Project Name: Kihei Beach SPP
2. Date of Inspection: September 17, 2009
3. Inspection Personnel:

| Name | Agency/Office | Telephone No. |
|---------------------|--------------------|---------------|
| a. Dan Meyers | CEPOH-EC-T | 438-8875 |
| b. Francis Miyazono | DP&R, Project Sup. | 270-7382 |
| d. Yassin Oleiwan | DP&R Maintenance | |

4. FY09 CEI Rating

Project Rating: **Marginally Satisfactory**
Project Condition Code: **Minimally Acceptable**
Project Status: **Active**

5. Discussion:

The project consists of a revetment 2,697 LF. The quality and placement of the armor stones is very good. The project begins at Sta. 0+70 (north side) and ends at Sta. 26+97 (south side). It appears that maintenance was minimal this year. The major concerns/deficiencies are as follows:



- a. Sta. 0+70 to Sta. 0+90, Remove vegetation from crest and sideslope.



b. Sta. 2+90, Fill material added to eroded area.



c. Sta. 3+00, 1st access walkway, repair cracks in sidewalk as needed.



d. Sta. 3+20, Monitor minor settling at hinge. No Change.



e. Sta. 3+48, Monitor the armor stone resting adjacent the toe. Minor change this year. No obvious voids.



f. Sta. 3+76, to Sta. 4+06, Monitor the area adjacent to cracked armor stone for settling.



g. Sta. 3+96, 1 ea. Displaced armor stone, void at toe. Monitor Sideslope.



- h. Sta. 5+00 to Sta. 8+00, Remove Kiawe trees (including stumps) impacting the revetment structure.



- i. Sta. 8+73, 2nd Walkway, CRM, repaired.



j. Sta. 8+73, 2nd, access walkway, repair cracks in sidewalk as needed.



k. Sta. 10+00, Monitor settling on sideslope, no change this year.



- l. Sta. 11+00 Add fill material to eroded area.



- m. Sta. 12+88, Monitor sideslope settling. No change since FY03.



- n. Sta. 12+92, Monitor the depressed area on sideslope. No change since FY03.



- o. Sta. 13+29, Remove vegetation from revetment.



p. Sta. 13+80, No Change since FY04. Remove the vegetation from revetment .



q. Sta. 23+00 to Sta. 20+00, Overview, backfill eroded area filled sidewalk new this inspection.



- r. Sta. 23+11, 3rd Access walkway, add fill material to eroded area.



- s. Remove juvenile vegetation from revetment.



t. Sta. 24+50, Remove tree from revetment.



u. Sta. 23+50, Access walkway with recent repairs.



- v. Sta. 23+75, Monitor the sideslope settling on the southside of the culvert and broken culvert rails removed.



- w. Sta. 24+00, Overview, photo for reference.



x. Sta. 26+97, End of project (south), reference photo.

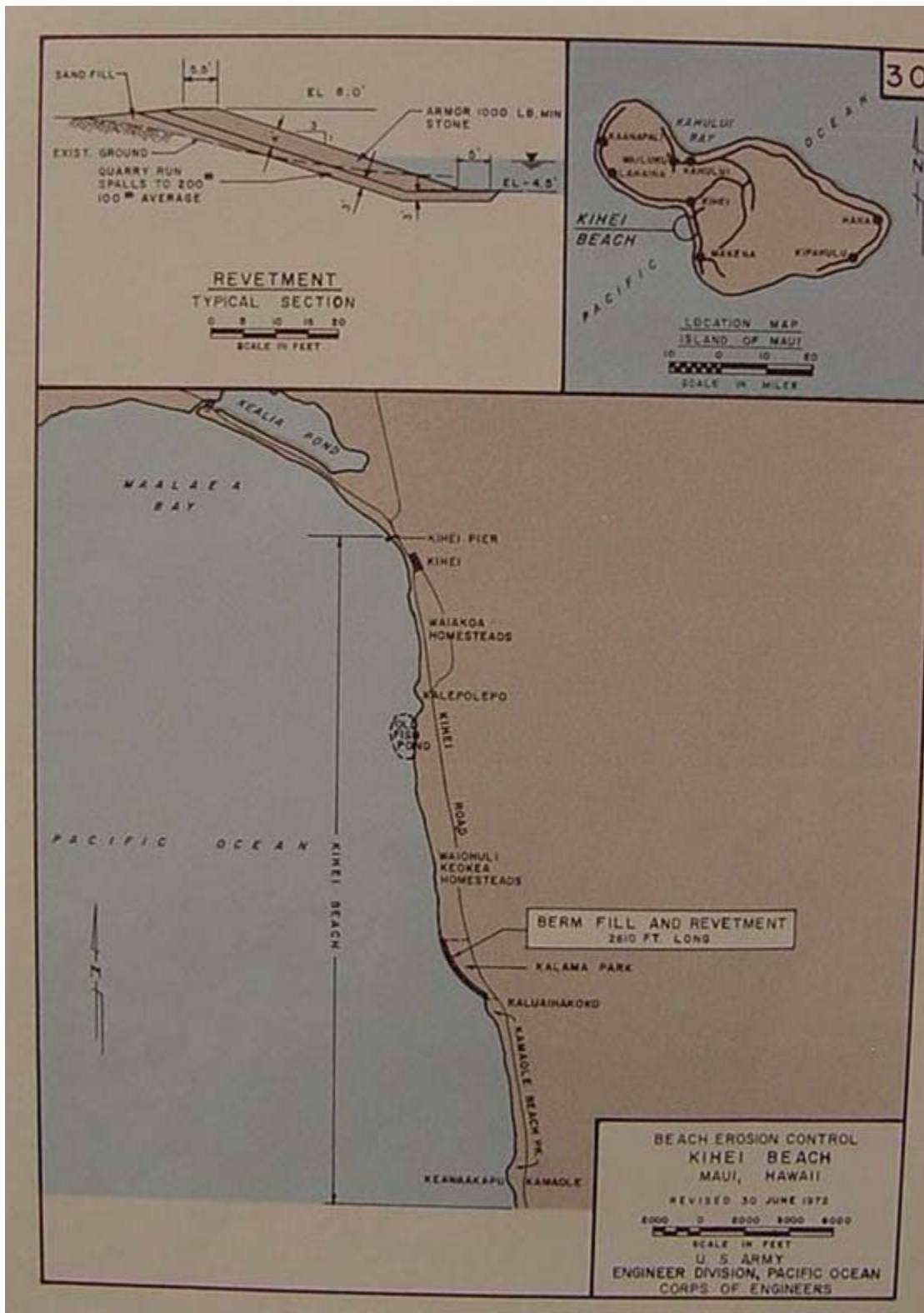
6. Conclusion:

In accordance with ER 500-1-1, (dtd 30 September 2001), and based on this CEI, the Project is rated **MARGINALLY SATISFACTORY**, Project Condition Code is **MINIMALLY ACCEPTABLE** and the project is considered **ACTIVE** in the Rehabilitation and Inspection Program. Discrepancies were noted and suggestions were made to the DPW representative.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
Steve Yamamoto, P.E., Ch, CEPOH-EC-T

Enclosure(s)
Site Plan





CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT
FOR HURRICANE & SHORE PROTECTION PROJECTS
Honolulu Engineer District
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KIHEI BEACH, MAUI, HAWAII

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1989

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized under Section 103 of the River and Harbor Act of 1962, as amended. Provides for a protective stone revetment, 2,610 feet long and crest elevation 8.0 feet MLLW; and a recreational beach berm approximately 20 feet wide, and 2,610 feet long. The seaward slope of the revetment is armored with 1,000-pound stone placed on a slope of 1 vertical to 3 horizontal. The revetment toe is placed on the underlying coral strata excavated to a depth of -4.5 feet below MLLW.

PROGRESS OF WORK

Completed and Under Maintenance: The project was completed in June 1971, except beach access walkway which was completed in December 1971.

Work Remaining: None.

COST OF CONSTRUCTION:

| <u>Completed Works:</u> | <u>New Work</u> |
|-------------------------|-----------------|
| United States Funds | \$154,313 |
| Contributed Funds | |
| Required | 154,313 |
| Other | <u>44,667</u> |
| Total Costs | \$353,293 |

RANGE OF TIDES: The tidal range between mean lower low water and mean higher high water is 2.3 feet.



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