



**CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT
FOR FLOOD CONTROL WORKS
Honolulu Engineer District
CEPOH-EC-T**

Kawainui04rpt-fcp.doc

1. **Project Name:** Kawainui Marsh Flood Control Project
2. **Date of Inspection:** December 11, 2003
3. **Inspection Personnel:**

<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a. Dan Meyers	CEPOH-EC-T	438-8874
b. RicK Oleniacz	CEPOH-EM	438-1981
c. Hugh Liu	DFM/Road Main Div.	527-5337
d. Mike Pundyke	DFM/Road Main Div.	262-4346

4. **Ratings for FY04**
Project Rating: "S, **Satisfactory**"
Project Condition Code: "A, **Acceptable**"
Project Status: "**Active**"
5. **Discussion:**

The additional effort needed is primarily in vegetation removal along the Marsh Levee / Oneawa Channel sideslopes and the removal of the encroachments on Oneawa Channel's levees. Maintenance work on some of the Oneawa levee headwall culverts also needs to continue. All the deficiencies were brought to the C&C's attention during the inspection.





LEVEE - NOTE: Sta. 0+00 Levee Rock Wall Begins
High-water transmitter Sta. 15+30, Marshside of levee
Sta. 64+04 wall ends



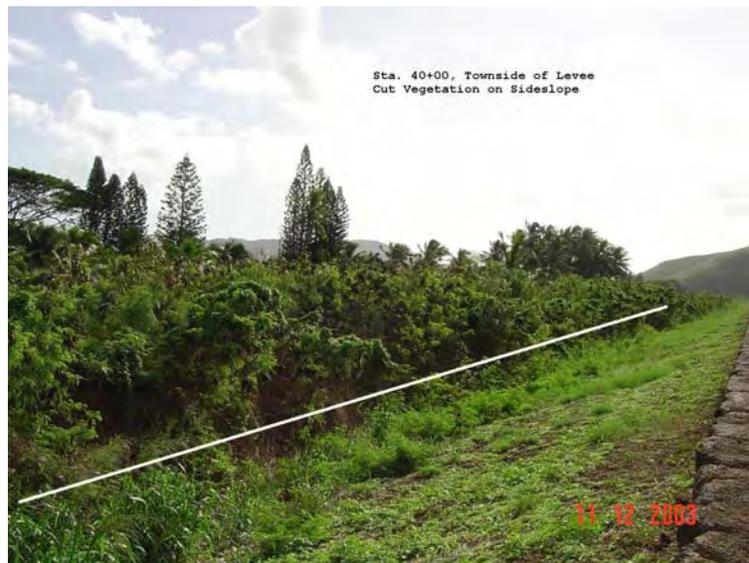
a. Sta. 0+00, Overview



b. Sta. 28+00, Overview of Marsh-side (MS) of levee.



c. Sta. 29+00, MS, Remove juvenile trees from sideslope of levee.



d. Sta. 40+00, Townside (TS), Cut vegetation on sideslope.



e. Sta. 40+00, MS, Cut vegetation and remove juvenile trees from levee sideslope.



f. Sta. 53+00, MS, Remove juvenile trees from levee sideslope.



g. Sta. 57+00, TS, Remove juvenile trees and vegetation from sideslope and toe of levee.



h. Sta. 64+00, TS, Overview remove vegetation on levee sideslope.



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Oneawa Channel Begins at the Marshside Sta. 96+70
Begin Levee - Sta. 94+70 thru Sta. 5+02

Oneawa Channel:



a. Sta. 91+00, RB, RE-establish Maintenance Access Rd.



b. Sta. 90+90, RB, Remove unauthorized drainline which is eroding the levee sideslope.



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Sta. 89+50, RB, Cut Trees /
Branches to Re-Establish
Maintenance Road Access



c. Sta. 89+50, RB, Cut trees and branches which block maintenance access road.

Sta. 88+50, Remove Pipe



d. Sta. 88+50, RB, Remove pipe.



e. Sta. 88+00, RB, Patch concrete apron and repair undermining adjacent to the toe of the levee sideslope.



f. Sta. 87+50, LB, Repair undermining adjacent to the toe of the levee sideslope.



g. Sta. 86+50, RB, Repair undermining adjacent to the toe of the levee sideslope and remove pipe.



h. Sta. 85+50, LB, Repair undermining adjacent to the toe of the levee sideslope, and patch concrete apron.



i. Sta. 81+00, RB, Remove vegetation and Restore eroded levee sideslope.



j. Sta. 80+90, RB, Restore eroded levee sideslope.



k. Sta. 80+00, RB, Restore eroded levee toe.



l. Sta. 78+00, LB, Restore levee toe and sideslope.



m. Sta. 65+00, LB, Remove unauthorized structure.



n. Sta. 65+00, RB, Remove unauthorized drainline.



o. Sta. 61+50, RB, Remove unauthorized steps and restore levee sideslope.



p. Sta. 60+00, LB, Remove unauthorized structure.



q. Sta. 59+00, RB, Remove unauthorized drainline.



r. Sta. 46+00, RB, Restore eroded levee toe.



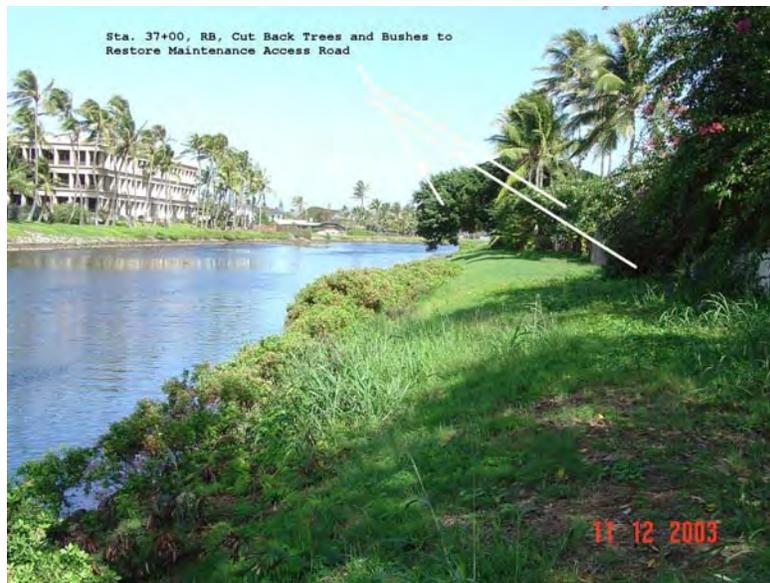
s. Sta. 45+50, RB, Repairs settling and cracking culvert apron.



t. Sta. 43+00, RB, Remove unauthorized drainline (note discharge).



u. Sta. 42+00, LB, Overview of "GOOD" recent repairs.



v. Sta. 37+00, RB, Cut back trees and vegetation to restore maintenance access road.



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Sta. 34+00, LB, Replace Missing Armor Protection at Toe



w. Sta. 34+00, LB, Replace missing levee toe protection removed by others.



x. Sta. 32+00, RB, Cut back trees and vegetation to restore maintenance access road.



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y. Sta. 21+20, LB, Remove tree from levee sideslope and restore missing stone protection removed by others in the area.



z. Sta. 13+00, RB, Install C&C lock and C&C sign on maintenance access road gate.



aa. Sta. 6+00, RB, remove vegetation from groin.



bb. Sta. 4+74, Overview of groin, no deficiencies noted.



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6. Conclusion:

IAW ER 500-1-1, (dated 30 September 2001), and based on this CEI, the Project Condition Code is ACCEPTABLE and the project is considered ACTIVE in the Rehabilitation and Inspection Program.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
Jim Pennaz, P.E., Ch, CEPOH-EC-T

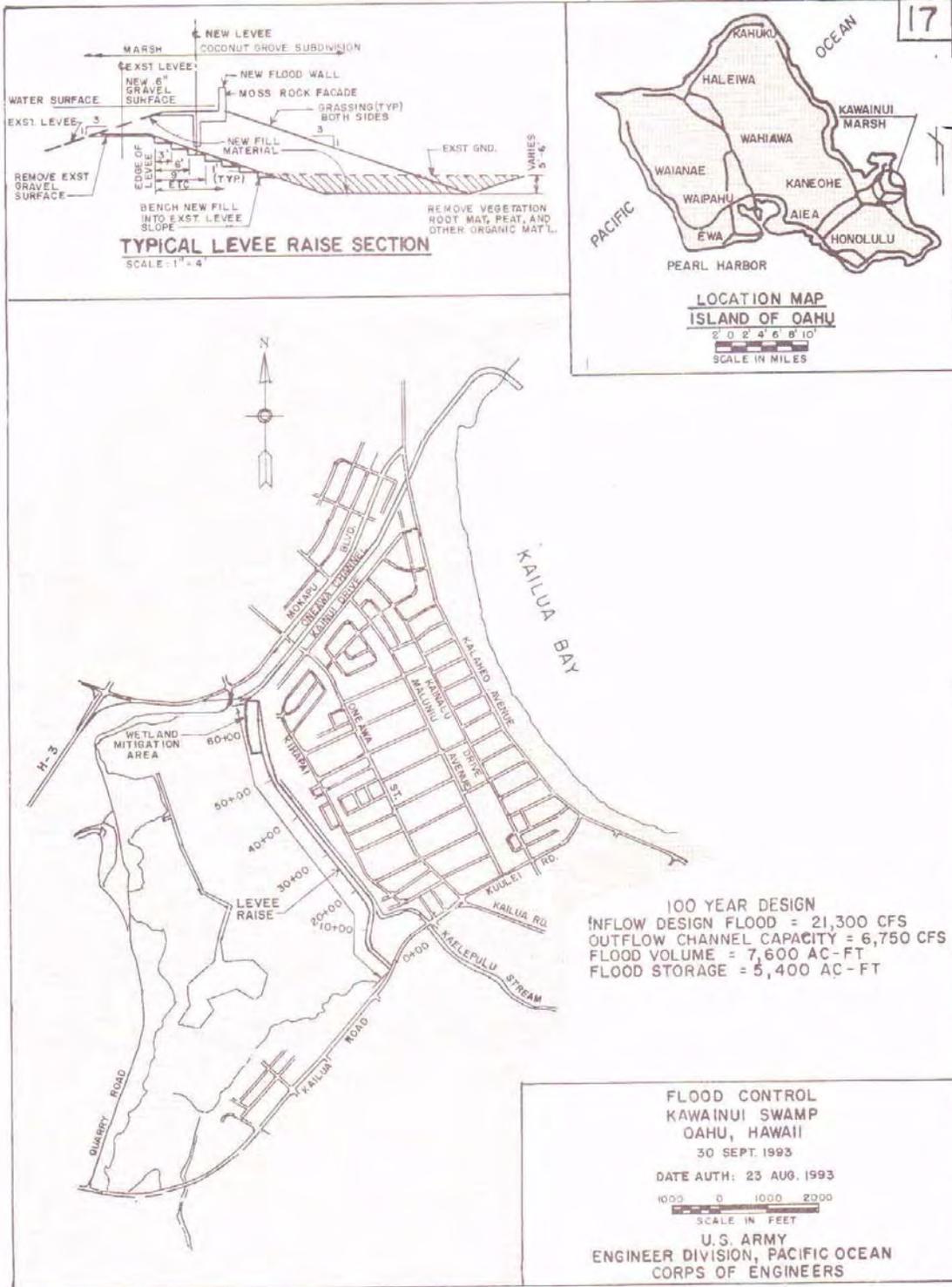
Enclosure(s)

1. Site Plan
2. Info Paper



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KAWAINUI MARSH, OAHU, HAWAII

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1993

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized for construction on 23 August 1993 under Section 205 of the Flood Control Act of 1948, as amended. Provides for a combination of concrete floodwall on raised levee. The floodwall would vary in height to a maximum of 4 feet along the total levee length of about 6,300 feet. A flood warning system is an integral part of this plan.

PROGRESS OF WORK

Completed and Under Maintenance: Construction of this project has not been initiated.

Work Remaining: Plans and specifications, initiated in October 1992, are 90 percent complete. Construction contract is scheduled for award in FY 1994.

COST OF CONSTRUCTION:

	<u>New Work</u>
<u>Completed Works:</u>	
United States Funds	\$ 4,675,000
Contributed Funds (Required)	<u>5,820,000</u>
Total Estimated Costs	\$10,495,000