



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

ORIGINAL

Alenaio06rpt-fcp.doc

1. **Project Name:** Alenaio Flood Control Project

2. **Date of Inspection:** October 17, 2005

3. **Inspection Personnel:**

<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a. Dan Meyers	COE	438-8875
b. Robert Aguiar	DPW Highway Maintenance	961-8637

4. **Discussion:**

The project consist of 1,787 feet of concrete-lined channel, construction of 4 bridges, two segments of cement-rubble-masonry floodwalls totaling 453 feet, a 487 foot concrete floodwall, a 200 foot wedge-shaped entrance transition and a 832 feet earthen levee. All deficiencies were brought to the attention of the DPW representatives during the inspection. The deficiencies were as follows:

5. **Ratings for FY06**

Project Rating: "S, **Satisfactory**"
Project Condition Code: "A, **Acceptable**"
Project Status: "**Active**"

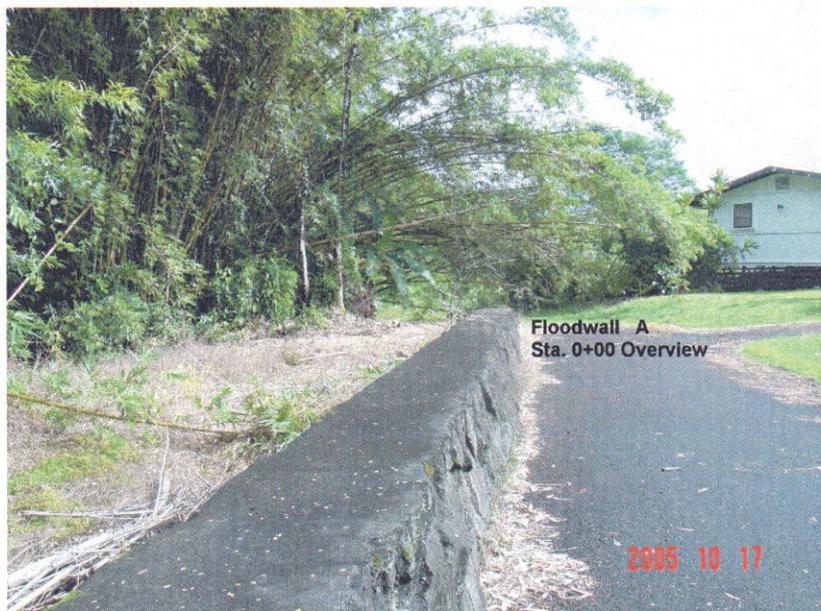


Floodwall "A"

Sta. 3+65 CRM wall begins upstream - Sta. 0+00 wall ends downstream.



a. Sta. 3+65, Floodwall "A", Remove vegetation from floodwall and access road.



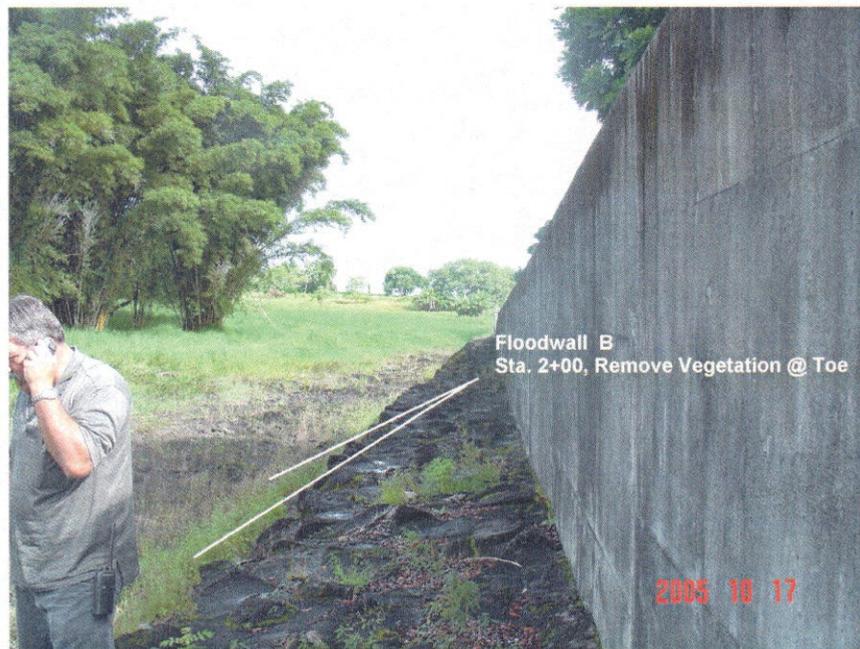
b. Sta. 0+00, Overview of downstream end.

Floodwall "B"

Sta. 4+66 wall begins upstream end - Sta. 0+00 wall ends downstream.



c. Sta. 3+00, Overview continue to remove vegetation.



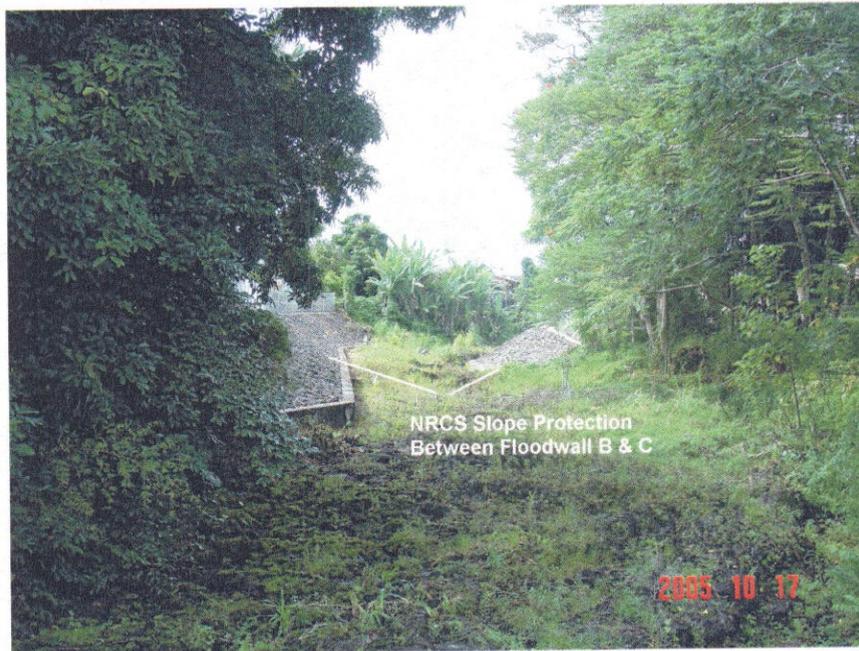
d. Sta. 2+00, Remove vegetation from floodwall and toe protection.



Graded Area
Sta. 3+50, Continue to Remove Woody Vegetation



e. Sta. 3+50, Overview of graded area, good maintenance.



Note: New Slope protection completed in 2003 by NRCS, not part of the Federal FCP.

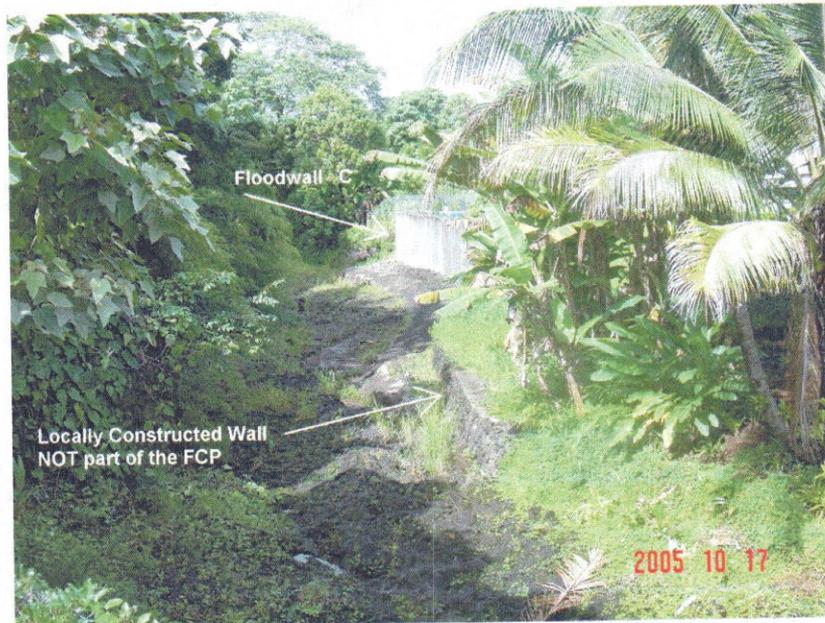
Floodwall "C"



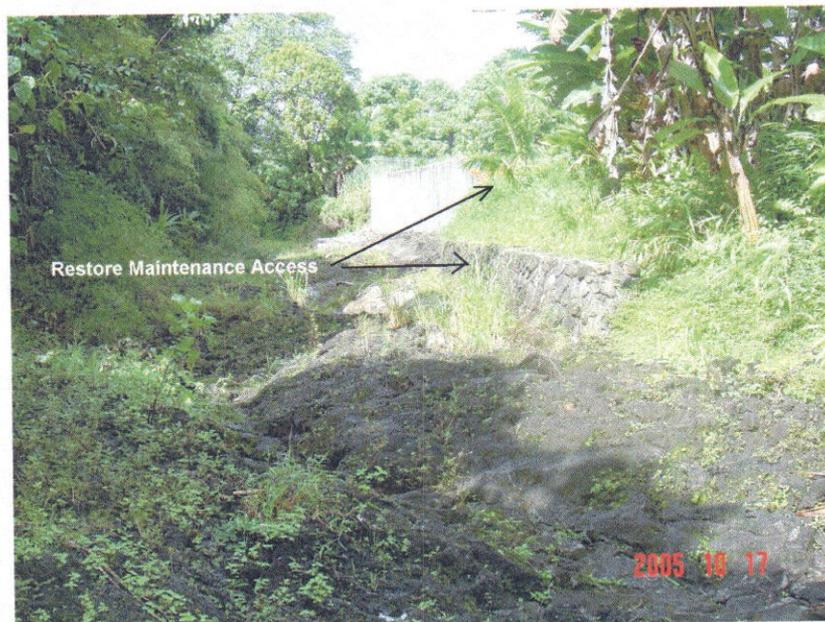
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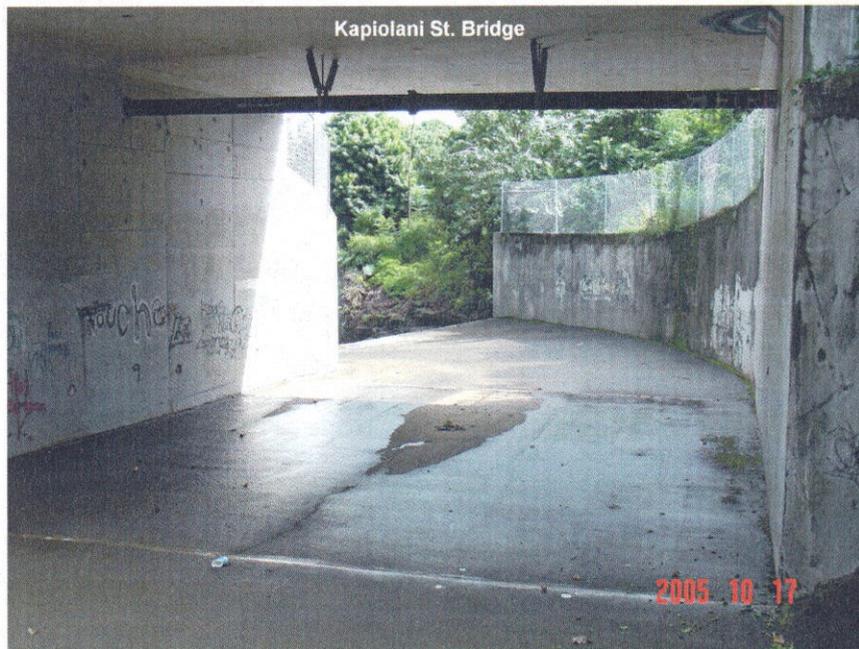
Sta. 0+00 wall begins in parking lot, Sta. 2+00 is elbow, Sta. 3+36 wall ends downstream.



- f. Remove fill material from grouted riprap and restore maintenance access.



- g. Sta. 3+36, Downstream end of floodwall "C", not part of the federal project.
Kapoilani St. Bridge



- h. Kapiolani St. Bridge, Replace missing joint caulking and backer strip.



- i. Sta. 28+50, RB, Repair eroded concrete footing.

Concrete Channel Apron:

Channel Apron begins at Sta. 28+30 (upstream) and ends at Sta. 26+00.

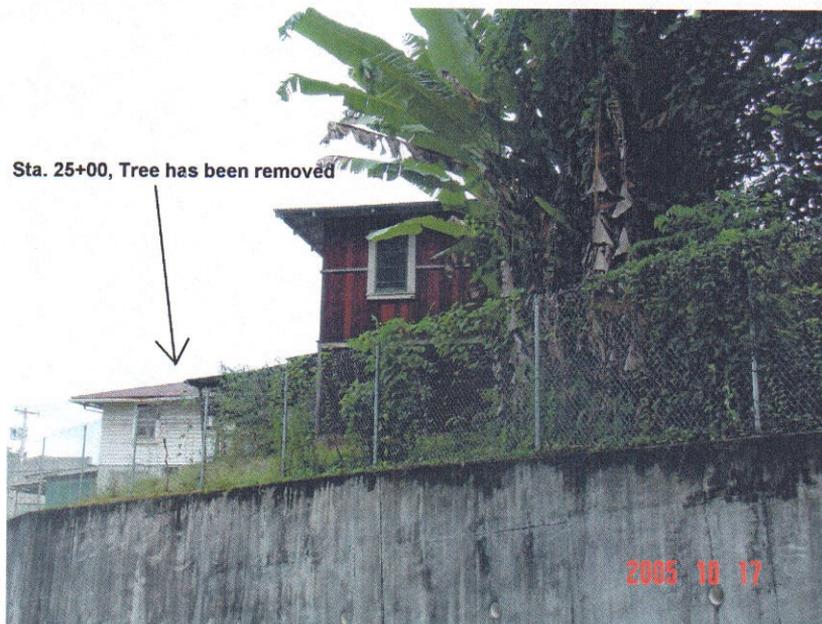


Concrete Lined Channel:

Channel begins at Sta. 26+00 (upstream) and ends at Sta. 6+19.



j. Sta. 26+00, Overview of apron end and channel start.

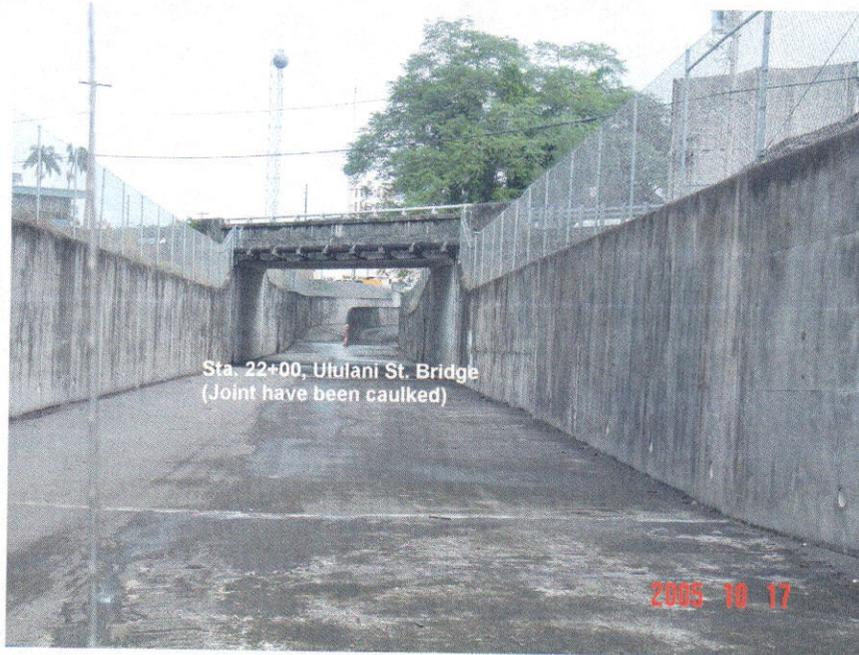


k. Sta. 25+00, Remove juvenile tree from top of channel wall.

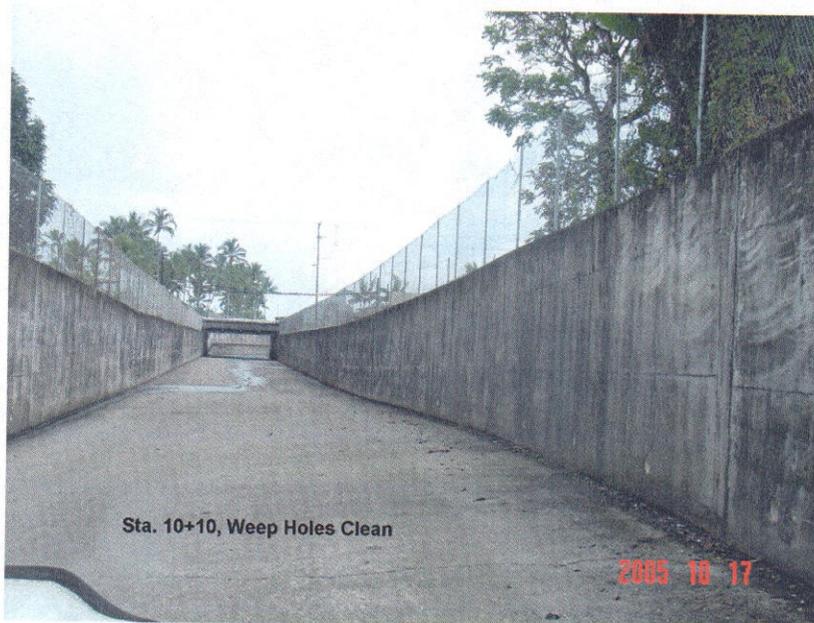


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l. Sta. 22+00, Ululani St. Bridge, Splitter wall at Sta. 20+20.



m. Sta. 10+10, Invert vegetation removed from weep holes.



n. Sta. 6+19, Overview, start of concrete lined channel.

Earthen Levee

Begins at Sta. 0+00 (upstream) and ends at Sta. 7+00.

Maintenance Rd. Townside begins at Sta. (-)1+50 and ends at Levee Sta 0+00



o. Sta. 2+00, LB, Clear and lubricate 42" flapgate.



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- p. Sta. 3+00, Levee in good condition, excellent maintenance.

Sta. 3+50 to Sta. 5+00
Remove Trees



- q. Sta. 3+50, Parkside, Levee Thumb has been removed, relocate newly planted trees from within 5' from the toe of the structure and continue to cut vegetation.



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6. Findings/Conclusions:

IAW ER 500-1-1, (dtd 30 September 2001), and based on this CEI, the Project Rating is "S, Satisfactory", the Project Condition Code is "A, ACCEPTABLE" and the Project Status is ACTIVE in the Rehabilitation and Inspection Program.

Signed: *Dan Meyers* 11/8/05
Dan Meyers, CEPOH-EC-T *DM*

Signed: *James Pennaz* 9/22/06
James Pennaz, P.E., Ch, CEPOH-EC-T

- Enclosure(s)
1. Site Plan
2. Photo Map



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ALENAIO STREAM, HAWAII, HAWAII

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1993

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized by the Water Resources Development Act of 1986 (PL 99-662), 17 November 1986 and modified by Sec 102k of the Water Resources Development Act of 1990 (PL 101-640), 28 November 1990. Provides for 1,787 feet of concrete-lined channel, construction of four new bridges, removal of one public, one business and six residential structures, two segments of cement-rubble-masonry floodwall totaling 453 feet, a 487-foot concrete floodwall, a 200-foot wedge-shaped entrance transition, 832 feet of earth levee, and incorporating floodplain management regulations in undeveloped areas.

PROGRESS OF WORK

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

Work Remaining: Preconstruction engineering and design, initiated in February 1988, is 95 percent complete. Construction contract is scheduled for award in FY 1994.

COST OF CONSTRUCTION:

	<u>New Work</u>
United States Funds	\$10,094,000
Contributed Funds	
Required	746,000
Other	<u>3,565,000</u>
Total Estimated Costs (1993)	\$14,405,000