



**CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT FOR
FLOOD CONTROL WORKS (FEDERAL)**

Honolulu Engineer District
CEPOH-EC-T

AsanRiver04rpt-fcw.doc

1. Project Name: Asan River Flood Control Project
2. Date of Inspection: March 24, 2004
3. Inspection Personnel:

Name	Agency/Office	Telephone No.
a. Lynnette F. Schaper	USACE-POH	808-438-1681
b. Dan Meyers	USACE-POH	808-438-8875
c. Joel Hendrix	USACE-POH	808-438-1275
d. Rick Oleniacz	USACE-POH	808-438-1981
e. George Tydinco	DPW	671-646-3232



4. Discussion:

The project provides for approximately 400 linear feet (LF) of unlined channel, 592 LF of grass-lined channel, 1,052 LF of riprap channel and modifications of the Marine Drive culverts. There has been a substantial effort to remove vegetation from the lower and upper reaches of the project since the previous inspection. The project is rated SATISFACTORY. The Project Condition is ACCEPTABLE and the project is considered ACTIVE in the Rehabilitation and Inspection Program. Discrepancies were noted and suggestions were made to the DPW representative(s) present during inspection. These discrepancies and suggestions are listed below.



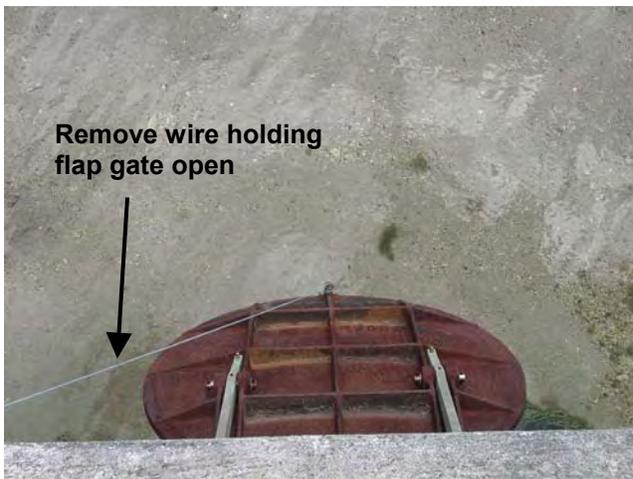
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a. Sta. 6+00, Remove large woody debris from channel and clean out culvert exit pathway



b. Sta. 7+50 (approx), Remove wire holding flap gate open (left) and remove wood propping flap gate open (right), grease hinges on flap gate, left bank u/s from Marine Drive



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c. Sta. 8+00 (approx), Remove vegetation from riprap slope protection, right bank looking downstream toward Marine Drive



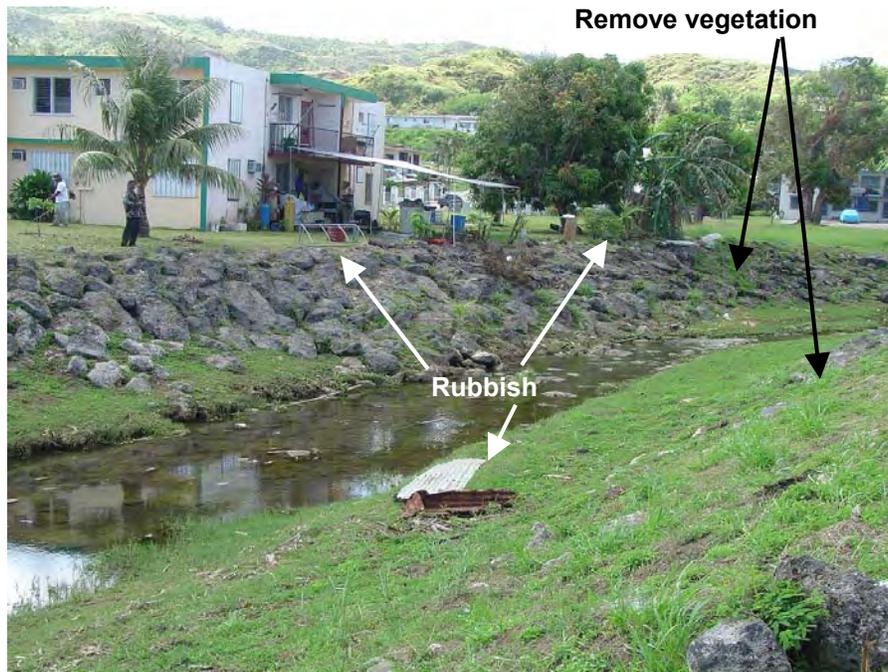
d. Sta. 8+50, Project looks good in this reach, nice vegetation removal, can see riprap, continue herbicide control on banks, looking upstream from Marine Drive



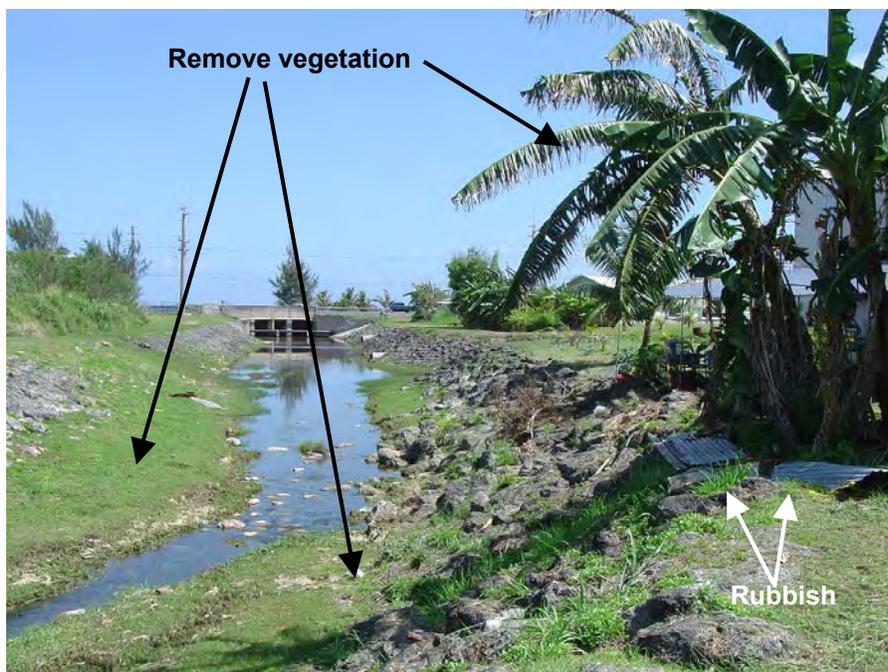
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e. Sta. 11+00 (approx), RB & LB clean up rubbish in channel, herbicide channel to control vegetation on riprap, looking upstream



f. Sta. 13+50, RB remove rubbish and remove trees and vegetation in the maintenance ROW, looking downstream



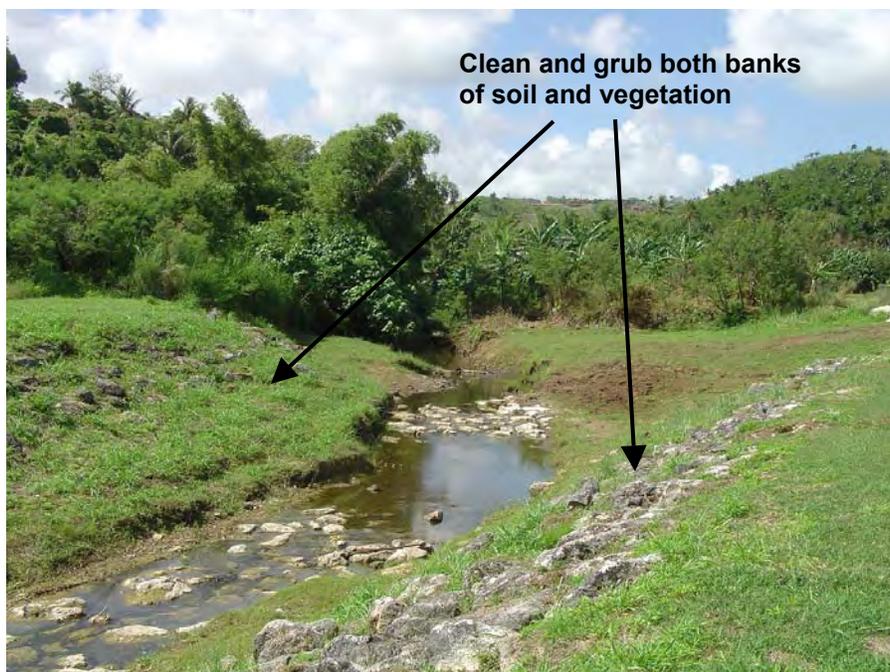
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g. Sta. 14+00 (approx), Continue to monitor erosion of grouted CRM toe under bridge



h. Sta. 13+30 to 15+75 (approx), Clean and grub RB & LB of all soil and vegetation on riprap channel lining, need to be able to see the riprap, looking upstream



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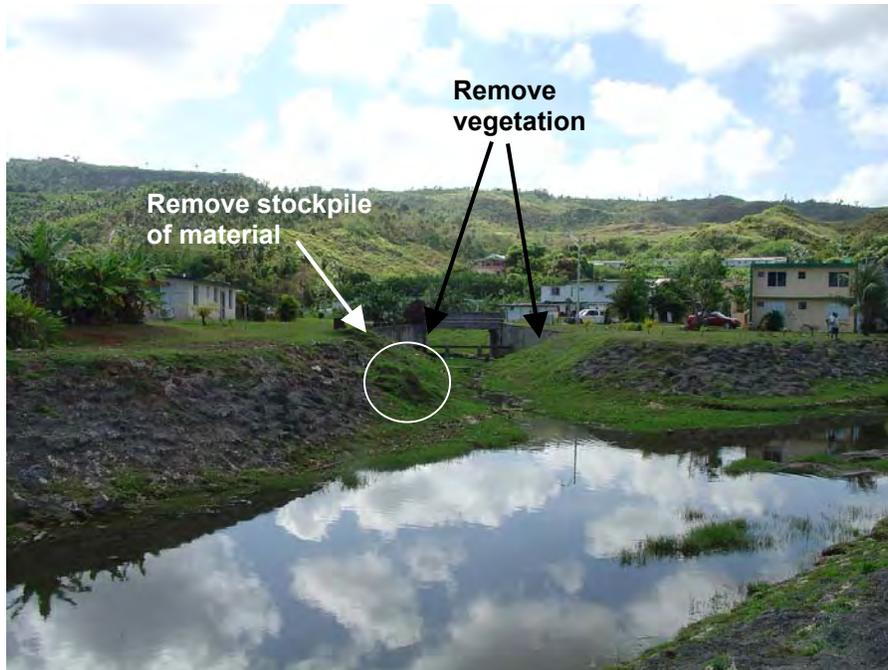
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- i. Sta. 14+75 (approx), Unplanned and unauthorized drainage channel entering Project, need to contact owner or Village to get a correct design for this ditch. Outlet (top picture) should be oriented at an angle downstream in the direction of flow, located on the LB of Project. Multiple piping is good idea, but small pipes may clog causing backup of ditch drainage.



CALACAG RIVER



j. Sta. 0+50C (C=Calacag River), Remove stock pile of material from invert cleanout, clean banks of soil so riprap is visible and herbicide banks



k. Sta. 1+00C to 2+00C (approx), Remove (or move back) trees to preserve maintenance ROW



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l. Sta. 2+15C, Remove tree at RB d/s bridge abutment



m. Sta. 2+75C, Remove trees in channel RB & LB and on LB maintenance ROW, looking u/s from lower bridge



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- n. Sta. 3+80C (approx), Slumping on RB, Repair slumping by either rebuilding slope with proper compaction or by adding rock. Attention needs to be taken to maintain channel capacity and invert and remove material stockpiles.



- o. Sta. 7+50C (approx), Project looks good at u/s reach of Calacag River



5. Findings/Conclusions

There was increased vegetation control of the Project compared to the previous inspection. The following points will improve the project even better, to receive a higher standard for the next inspection: 1) vegetation removal along the top of banks which interfere with the maintenance right-of-way (ROW) and any vegetation in the channel, 2) herbicide control of the vegetation in the rock lined channel, 3) do not wire or prop open the flap gate at the lower end of the project, 4) clean up any trash in channel and on maintenance ROW, 5) drainage channel from the left bank near the ball field needs to be in compliance, 6) remove the stockpile of material left from invert clean out, and 7) maintain and fix the slumping on the Calacag River reach. In accordance with ER 500-1-1, (dated 30 September 2001), and based on this CEI, the Project is rated SATISFACTORY, Project Condition Code is ACCEPTABLE, and the Project is considered ACTIVE in the Rehabilitation and Inspection Program.

Signed: _____
Lynnette F. Schaper, P.E. CEPOH-EC-T

Signed: _____
James Pennaz, P.E., Chief CEPOH-EC-T

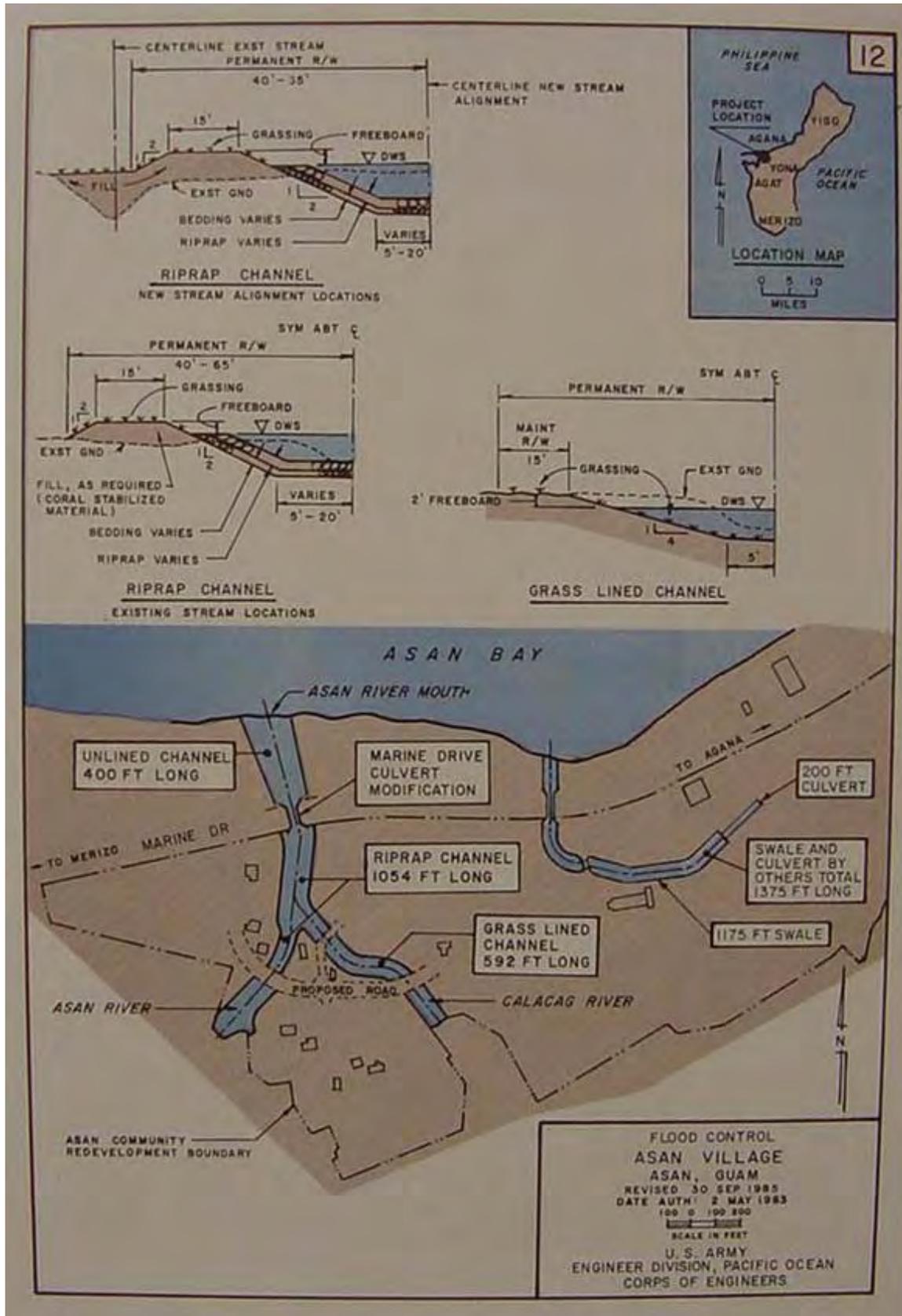
Enclosure(s)
1. Site Plan



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ASAN VILLAGE, GUAM

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1989

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized on 2 May 1983 under Section 205 of the Flood Control Act of 1948, as amended. Provides for 400 feet of unlined channel, 592 feet of grass-lined channel, 1,054 feet of riprap channel, and modification of Marine Drive culvert. The interior drainage work by the Guam Housing and Urban Renewal Authority consists of a 200 foot culvert and a 1,375 foot swale with an ocean outlet.

PROGRESS OF WORK

Completed and Under Maintenance: The project was completed in April 1985.

Work Remaining: None.

COST OF CONSTRUCTION:

<u>Completed Works:</u>	<u>New Work</u>
United States Funds	\$1,028,000
Contributed Funds (Required)	<u>625,634</u>
Total Costs	\$1,653,634