



1. Project Name: Agat SBH
2. Date of Inspection: January 28, 2004
3. Inspection Personnel:

	<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a.	Dan Meyers	COE	438-8875
b.	Paula Shimata	COE	438-7030

4. Discussion:

The overall condition of the project is good.

The Main Breakwater 985 LF, has minor encroachments (chains) on the crest (CL) and sideslopes of the structure both oceanside (OS) and the harborside (HS). Some of the chains have been "disconnected" however are still laying in-place. Two new chains placed since last inspection. These chains cross the Turing Basin and Access Channel.

The North Revetted Mole, 300 LF, Primary deficiencies are toe armor stone movement and vegetation.

The South Revetted Mole, 180 LF, was modified in the early 1990s. DPW or Ports may have done this modification. There are no updated AS-BUILT drawings for this work. The structure has well-established vegetation at the root section as the primary deficiency.

The Stub Breakwater, 60 LF has no minor deficiencies.

All photographs were taken on January 28, 2004 unless otherwise noted.

STRUCTURES	STATION
Main Breakwater	0+00 to 9+85
North Revetted Mole	0+00 to 3+00
South Revetted Mole	0+00 to 1+80
Stub Breakwater	0+00 to 0+60



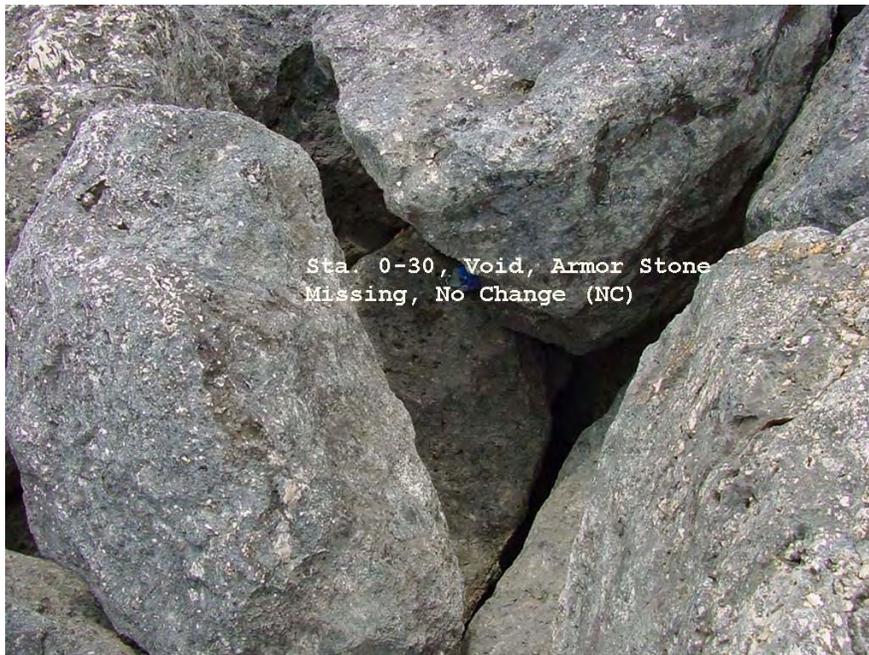
Primary deficiencies are as follows:



MAIN BREAKWATER - 985 LF:



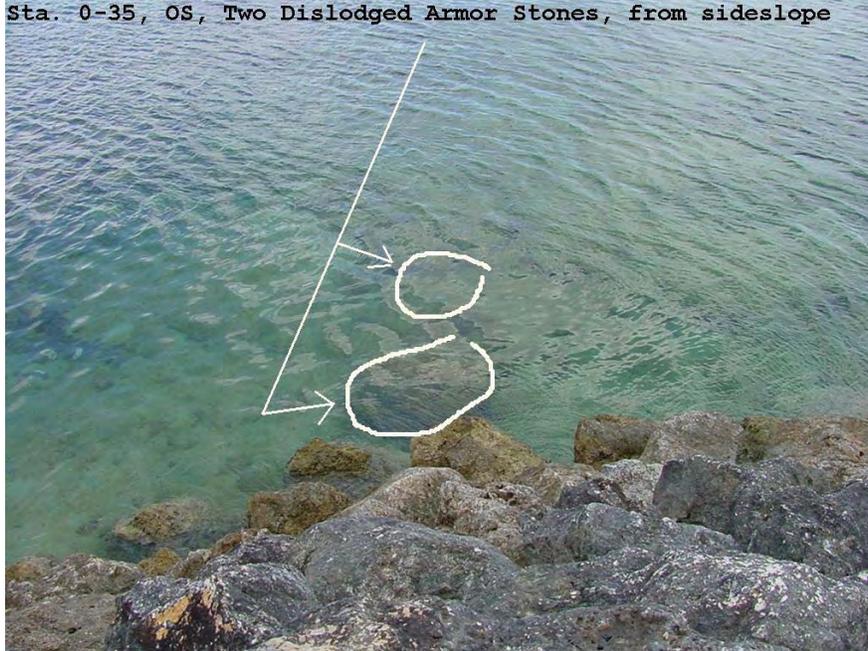
a. Sta. 0-35, Crest/Sideslope, Void, the missing armor stones appear to be resting on the OS of the structure. No Change (NC) this year.



b. Sta. 0-30, Crest/Sideslope, Void, the missing armor stones appear to be resting on the OS of the structure. (FY03 photo, NC)



Sta. 0-35, OS, Two Dislodged Armor Stones, from sideslope



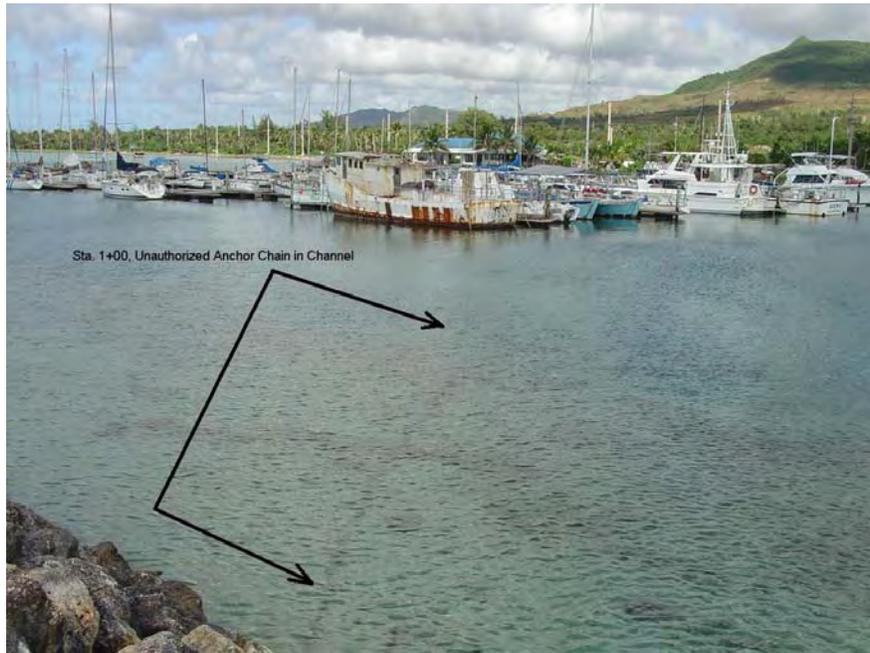
c. Sta. 0-35, 2 ea. armor stones (AS) are resting adjacent the structure. These AS may be from the above identified voids. NC this year (FY03 photo).



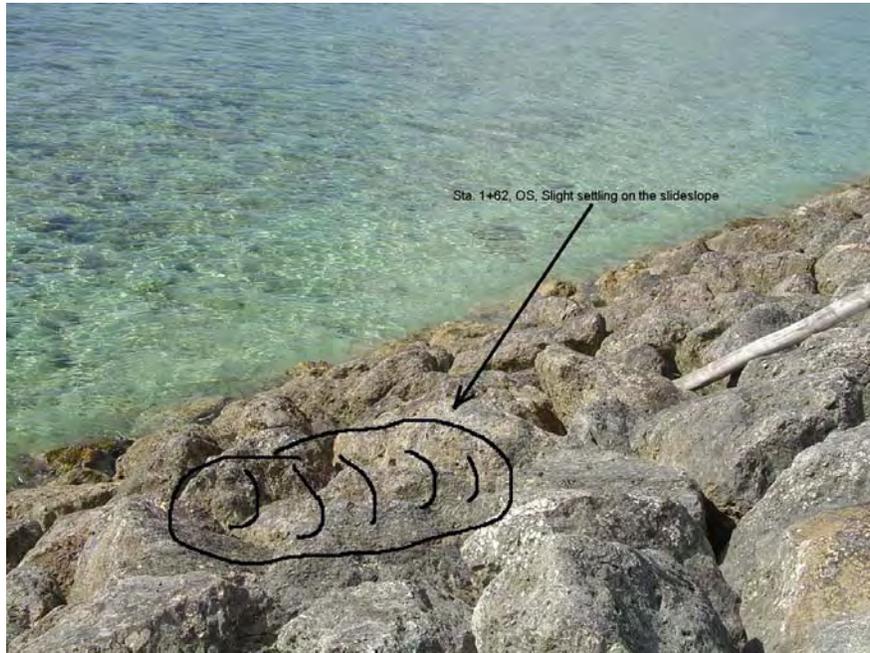
d. Sta. 0+25, Overview (reference photo).



e. Sta. 0+82, OS, Remove chain.



f. Sta. 1+00, HS, Un-authorized Anchor chain crossing channel.



g. Sta. 1+62, OS, Monitor slight settling on the sideslope.



h. Sta. 1+62, CL, 1' x 3' void at crest (new this year).



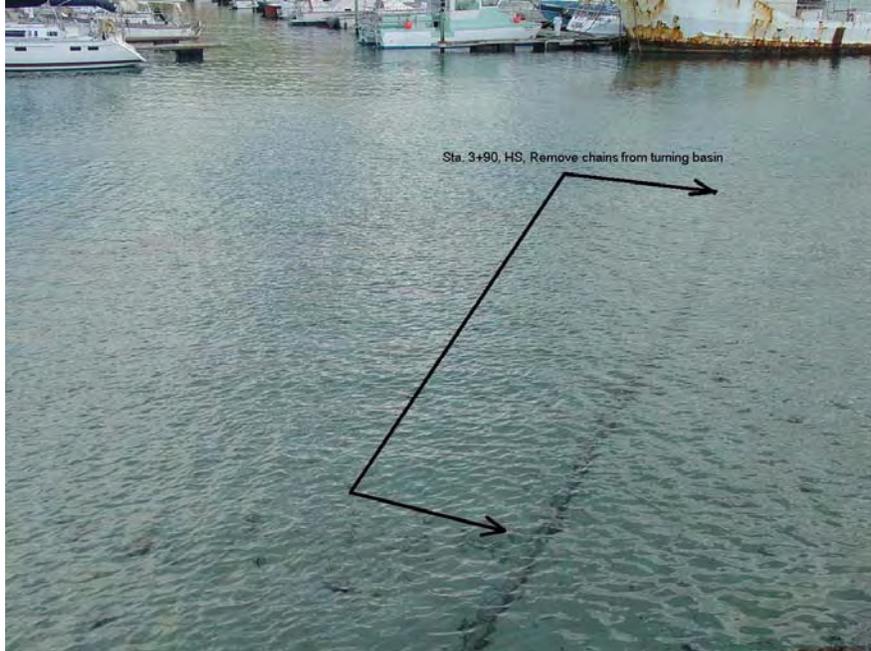
i. Sta. 2+00, Overview (reference photo).



j. Sta. 2+98, Overview (FY03 photo).



k. Sta. 3+59, CL, Monitor minor settling.



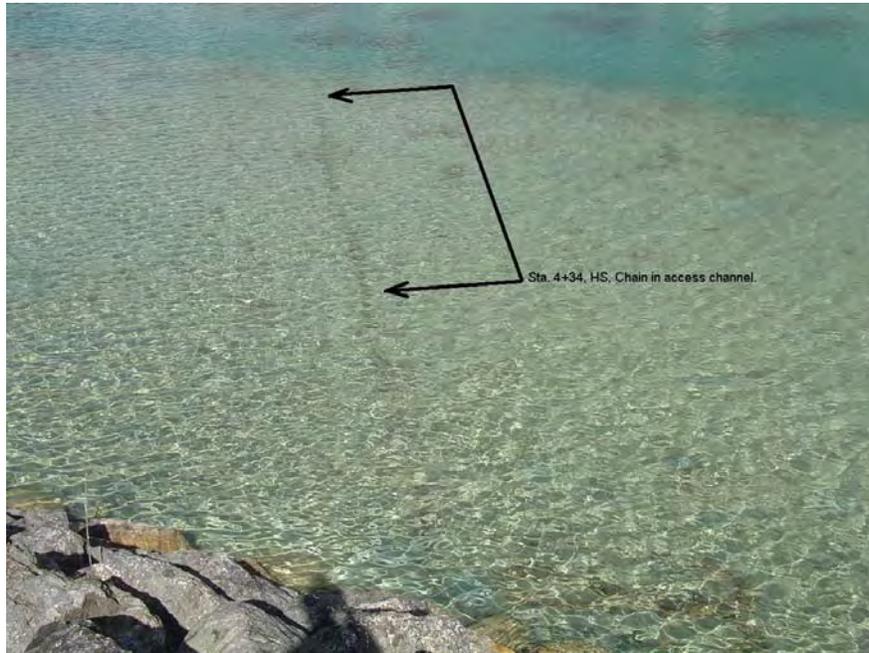
l. Sta. 3+90, HS, Remove chains.



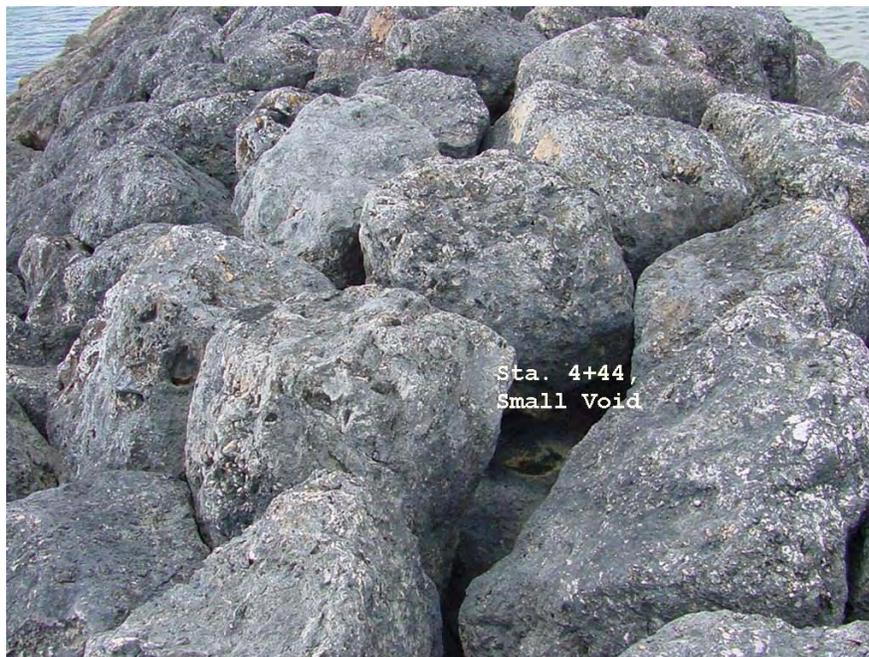
m. Sta. 4+04, OS, Remove chains.



n. Sta. 4+34, CL, Void (new this year).



o. Sta. 4+34, HS, Remove chain in access channel (new this year).



p. Sta. 4+44, CL, Monitor small void, no obvious settling. (FY03 photo, NC).



q. Sta. 4+95, HS, Remove chains, slight settling at crest.



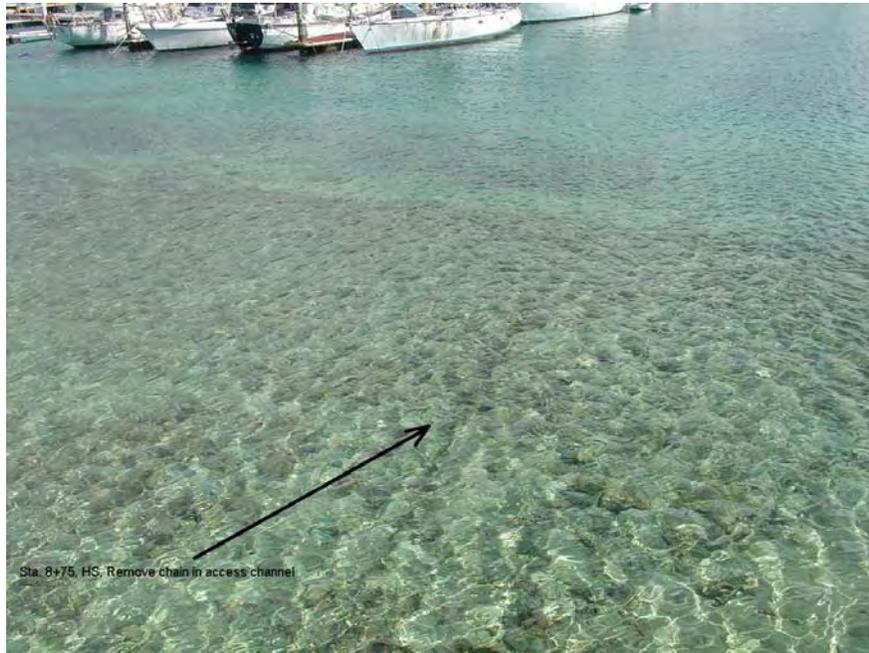
r. Sta. 5+71, CL, Monitor slight settling.



s. Sta. 6+00, HS, Chain w/metal spike.



t. Sta. 6+92, Overview (reference photo).



u. Sta. 8+75, HS, Remove chain in access channel.



v. Sta. 8+75, OS, Remove chain.



w. Sta. 8+88, CL, Monitor void area, no change this year.



x. Sta. 8+88, Overview.



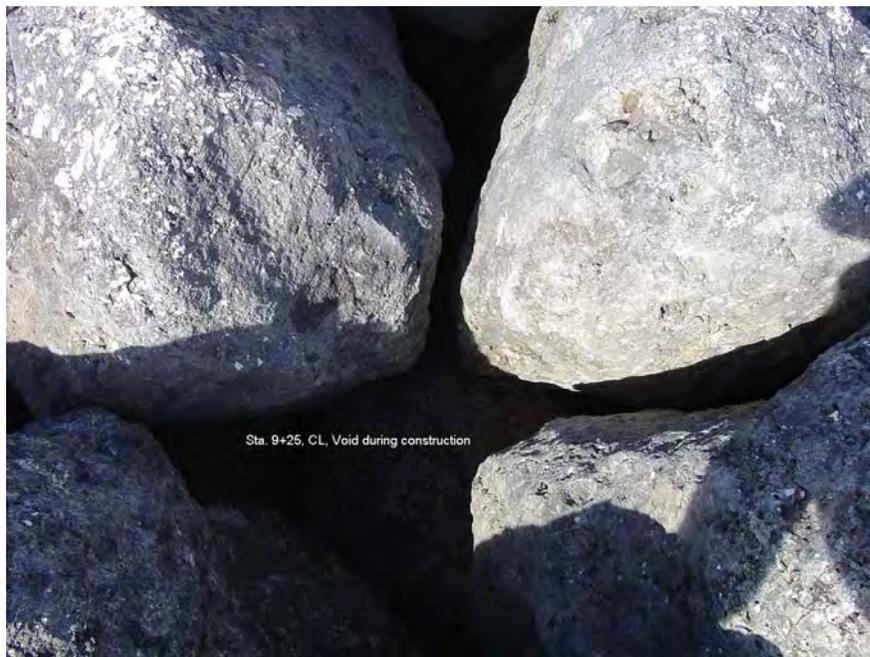
y. Sta. 8+99, HS, and 9+16, Rope and chain.



z. Sta. 8+99, CL, Monitor void area. No Change this year.



aa. Sta. 9+16, HS, Remove chain and anchor.



bb. Sta. 9+25, CL, Monitor void area. No Change this year.



**NORTH REVETTED MOLE - 300 LF:**

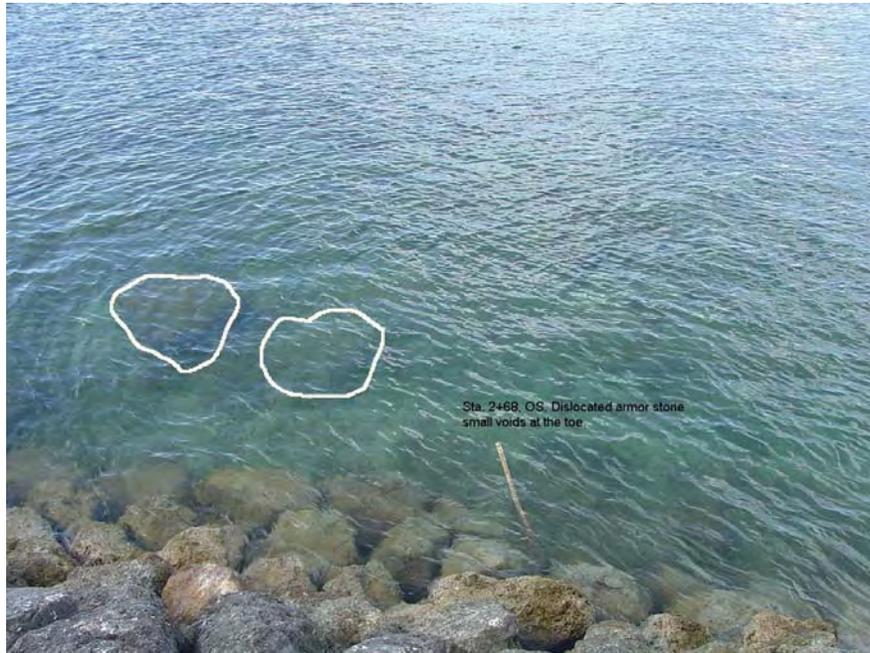
- a. Sta. 0+10, CL, Unauthorized encroachment (sign) has been removed.



- b. Sta. 0+66, OS, Tree is larger, still existing vegetation on crest.



- c. Sta. 1+20, Overview (reference photo).



d. Sta. 2+68, OS, Monitor the toe of the structure and dislocated armor stones at this area. This area at the intersection of the berthing area dredge cut and the reef flat has "scoured" a small channel. No Change this year.



e. Sta. 3+00, Overview (reference photo).



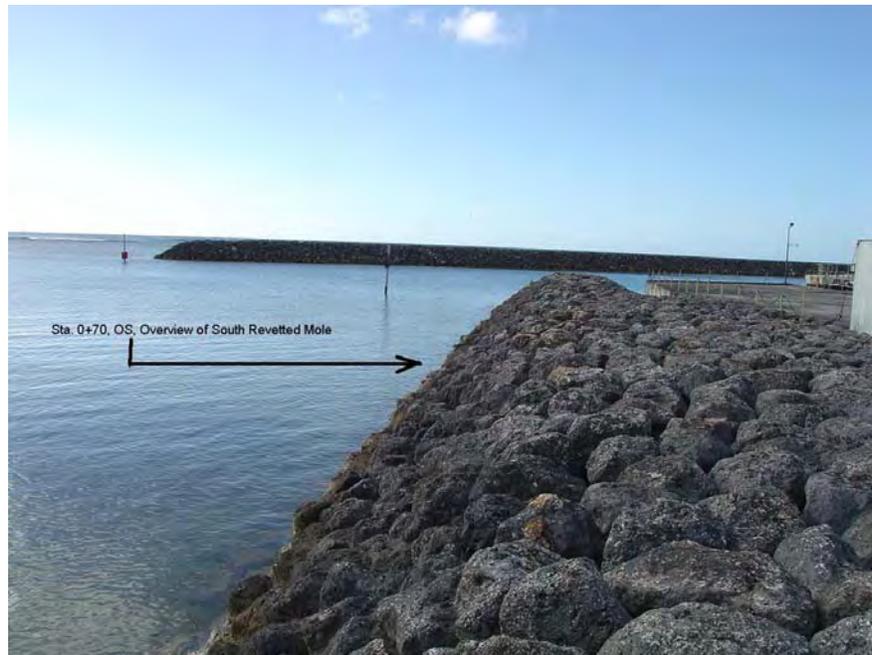
**SOUTH REVETTED MOLE - 180 LF:**



a. Sta. 0+00 to Sta. 0+60, HS, Remove vegetation worse than last year.



b. Sta. 0+33 to Sta. 1+70, HS, Structure modified.



c. Sta. 0+70, OS, Overview (reference photo).

**STUB BREAKWATER - 50 LF:**



a. Sta. 0+00, Overview (reference photo).



b. Sta. 0+34, CL, Monitor slight settling.



c. Sta. 0+48, OS, Coconut tree growing out of stub breakwater (new this year).



d. Sta. 0+60, Head, Overview (reference FY03 photo).

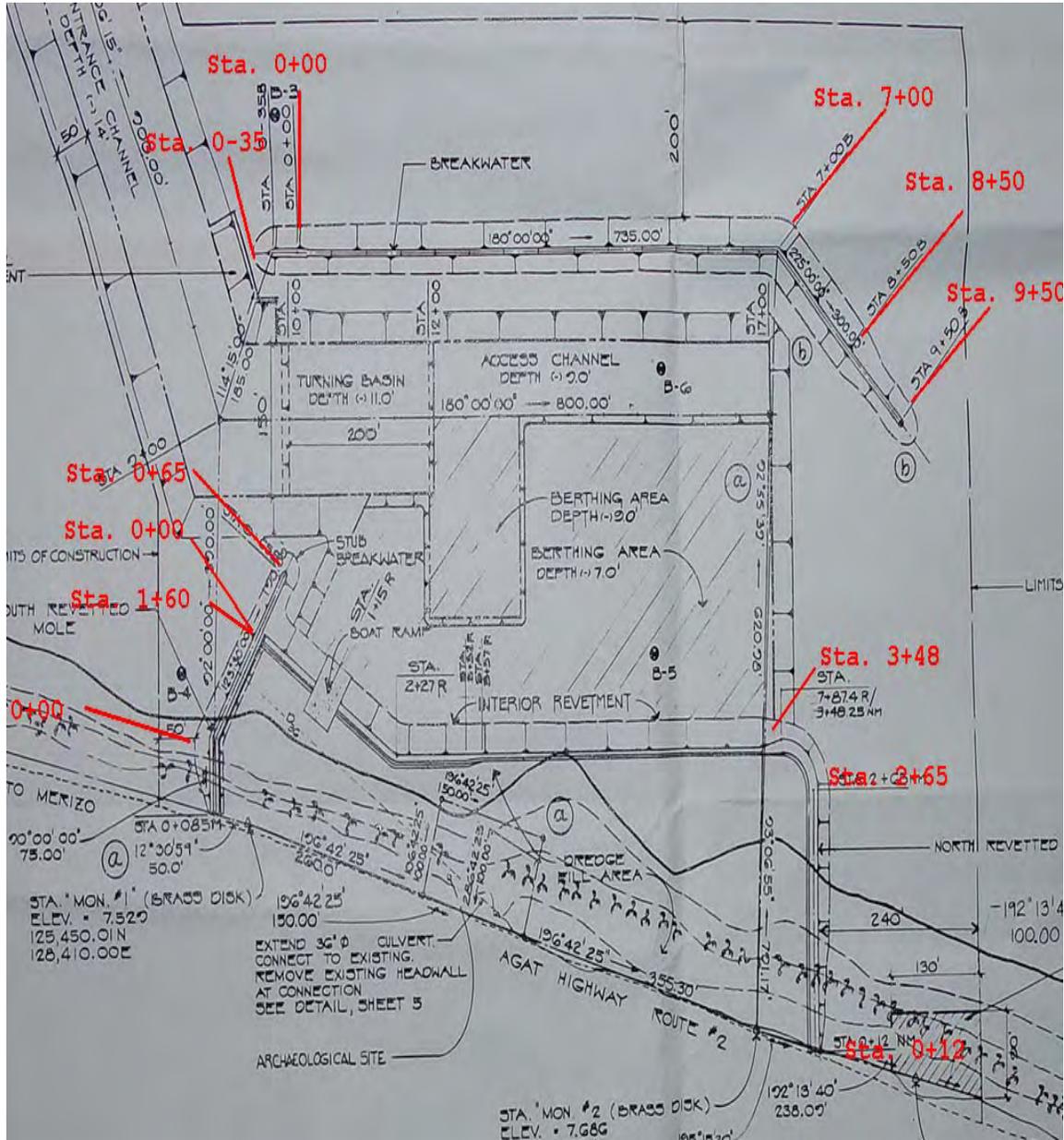
5. Findings/Conclusions:

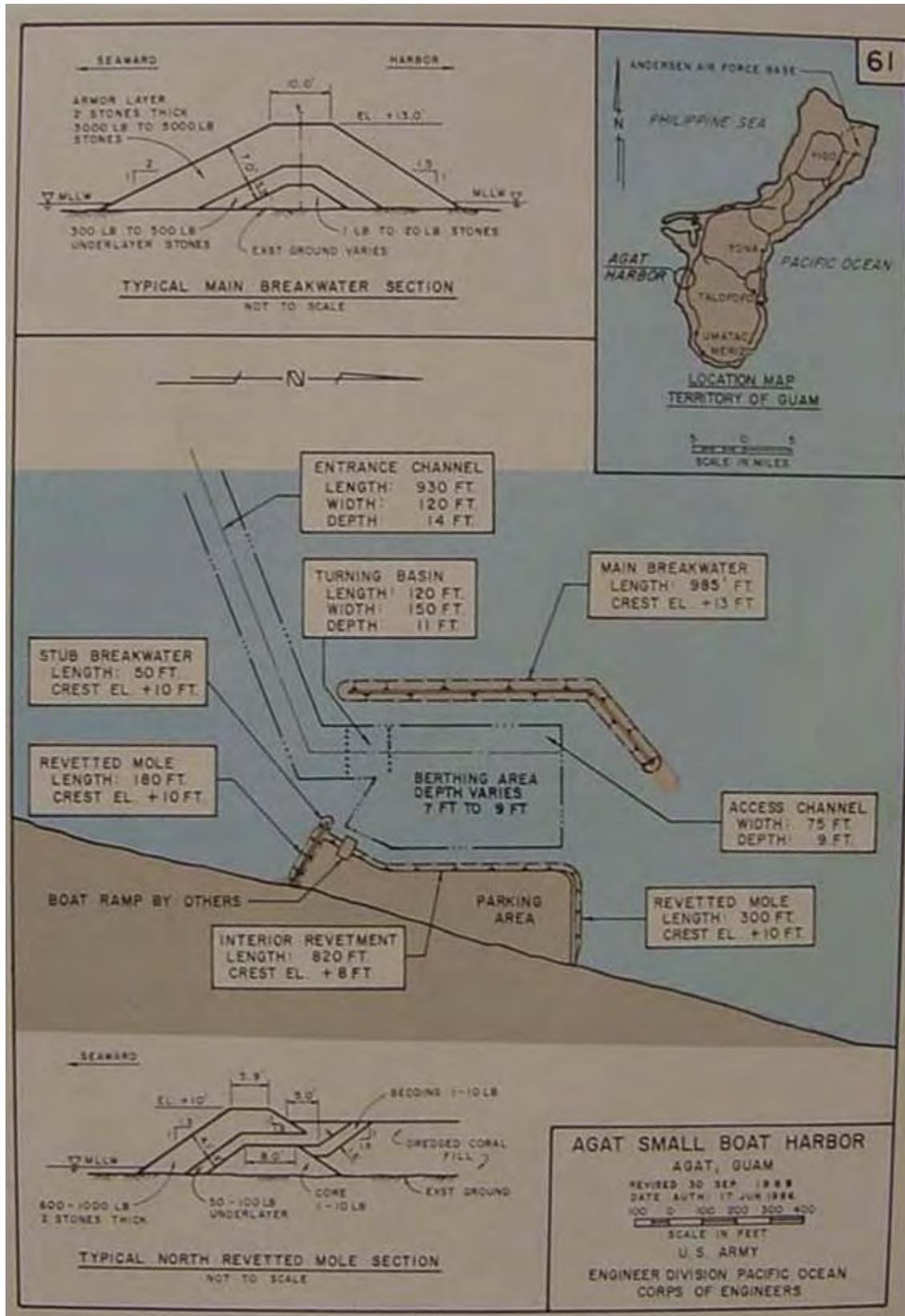
Vegetation removal from the structures should be accomplished before conditions worsen. The chains that are installed by persons unknown, on the main breakwater needs to be removed. These are used for temporary mooring during storms and have not been designed into the project. The issue was discussed in a meeting with Mr. Simion DeLosSantos and Deputy Director, Mr. Paul M. Shintaku of Guam Port Authority. The Corps' concerns were re-iterated regarding the encroachment into the access channel and turning basin and its associated potential hazards. Mr. Shintaku requested that we send another letter stating our concerns and mentioned that this would help to facilitate the removal process. Mr. Meyers will follow-up with Mr. DeLosSatos regarding this issue.

Signed: \_\_\_\_\_  
Dan Meyers, CEPOH-EC-T

Signed: \_\_\_\_\_  
Paula Shimata P.E., CEPOH-EC-S

Additional Photos  
Project Index Map







AGAT SMALL BOAT HARBOR, GUAM

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1991

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized for construction on 17 June 1986 under Section 107 of the River and Harbor Act of 1960, as amended. Provides for an entrance channel 930 feet long, 120 feet wide, 14 feet deep; a turning basin 120 feet long, 150 feet wide, 11 feet deep; a main access channel 500 feet long, 75 feet wide, 9 feet deep; two breakwaters 985 feet long and 50 feet long; and two revetted moles 180 feet long and 300 feet long. The protected basin will provide berthing areas for 150 boats.

PROGRESS OF WORK

Completed and Under Maintenance: A construction contract awarded in October 1986 was completed in February 1989 for \$3,388,687.

Work Remaining: None.

COST OF CONSTRUCTION:

<u>Completed Works:</u>	<u>New Work</u>
United States Funds	
Corps of Engineers	\$1,714,486
Coast Guard	1,994
Contributed Funds	
Required	1,239,363
Other	<u>92,804</u>
Total Costs	\$3,948,647