



US Army Corps  
of Engineers  
Honolulu District

# Public Notice of Application for Permit

Regulatory Branch (1145b)  
Building 230  
Fort Shafter, Hawaii 96858-5440

Public Notice Date: February 7, 2012  
Expiration Date: March 8, 2012  
Permit File Number: POH-2011-00102

Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States as described below and shown on the attached drawings.

**APPLICANT:** Department of Public Works, A.S.G.; Maintenance and Operations Building, DPW; Tafuna Village, American Samoa 96799

**AGENT:** None.

**LOCATION:** Shoreline area at Nu'uuli Village, Tutuila, American Samoa (Latitude 14 degrees 18' 41.66 " South; Longitude 170 degrees 41' 52.55" W).

**PROPOSED WORK:** Construct 900 linear feet of new shoreline protection structures at Nu'uuli Village. Nearly all of the proposed project site is within an eroding shoreline reach (Reach A) identified as critical in the 2006 Shoreline Inventory Update III prepared by the U.S. Army Corps of Engineers Honolulu District (USACE). The proposed project would replace existing marginal shore protection structures including piled debris, loose rock walls, and dumped rocks. Details of the proposed work are shown in the attached figures. It would consist of 1-ton tribar units placed on top of a double layer of 100-300 pound underlayer rocks. The underlayer rocks would be wrapped with geotextile fabric to prevent fine material from migrating to the ocean. The project would include the construction of cement rubble masonry (CRM) tie back structures and retaining walls.

Details of the proposed work are shown in the attached figures. The CRM wall would be installed at the northern end of the project (Sta. 0+50 to Sta. 2+00), connect to a retaining wall which extends from Sta. 2+00 to Sta. 2+30, and terminate at the existing east side bridge wing wall at Amaile Stream. The retaining wall would resume from Sta. 2+50 (west side bridge wing wall) and end at Sta. 3+00 where a CRM wall would extend from Sta. 3+00 to Sta. 3+50 where it ties into the tribar units. The tribar units would be installed from Sta. 3+50 to Sta. 9+34 where another tie back CRM structure from Sta. 9+34 to Sta. 9+50 would be constructed to terminate

the western end of the project. The estimated total area of excavation in waters of the United States for the project is 2,370 square yards and the estimated total volume of fill for the project (geotextile, rock and tribar) is approximately 2,021 cubic yards.

The scope also includes installation of three access stairways, two 18-in. diameter pipe culvert drainage outlets, and an open channel to convey overland runoff to the designated outlets. The pipe inlets will have catch basins with gratings and sumps in order to better collect trash/debris and silts/cinders before discharge to the pipe culverts.

**PURPOSE:** The purpose is to prevent further shoreline bank erosion and scouring due to wave surge.

**ADDITIONAL INFORMATION:** The proposed work consists of the first phase of a planned total of 2600 linear feet of shoreline protection at Nu'uuli Village. Planning for the remaining 1700 linear feet will be scheduled when additional funding is secured.

**MITIGATION:** The existing shoreline has experienced suffered chronic erosion and scour due to wave action, which the proposed project is intended to mitigate. The project is expected to have a positive effect on the adjacent reef by stopping the shoreline erosion. Normal best management practices (BMPs) will be required during construction to control sediments. No compensatory mitigation is proposed.

**WATER QUALITY CERTIFICATION:** The American Samoa Environmental Protection Agency issued Clean Water Act (Public Law 95-217) Section 401 Water Quality Certification for the project on March 24, 2011.

**COASTAL ZONE MANAGEMENT ACT CERTIFICATION:** Section 307(c)(3) of the Coastal Zone, Management Act of 1972, as amended by 16 U.S.C. 1456(c)(3), requires the applicant to certify that the described activity affecting land or water uses in the Coastal Zone complies with the American Samoa Coastal Zone Management (CZM) Program. The American Samoa Coastal Management Program issued its Federal Consistency Certification for the project on July 23, 2011.

**CULTURAL RESOURCES:** The American Samoa Historic Preservation Office concurred via letter dated April 8, 2011 with the applicant's determination, on behalf of the Federal Highway Administration (FHWA), of "no effect" to historic properties provided that a previously identified prehistoric grinding stone and a World War II era pillbox within the Area of Potential Effect (APE) are avoided.

**ENDANGERED SPECIES:** The Endangered Species Act of 1973, as amended (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered (or any designated critical habitat).

As the federal funding agency for the project, the FHWA has completed Section 7 coordination with the U.S. Fish and Wildlife Service, concluding in USFWS concurrence, via letter dated October 4, 2011, with a determination that the shoreline protection may affect, but is not likely to adversely affect, the hawksbill turtle and green turtle based on incorporation of certain conservation measures. The measures would be incorporated in the DA permit if issued.

The Corps has assessed potential impacts to Federally-listed and proposed marine species under National Marine Fisheries Service (NMFS) jurisdiction. The NMFS ESA marine species that occur or have potential to occur within the project area include the threatened green sea turtle (*Chelonia mydas*) and the endangered hawksbill sea turtle (*Eretmochelys imbricata*), which may occur in coastal waters in or near the project area for foraging and/or loafing, but not for nesting or haul-out since there are no suitable sandy beach areas within the project reach. No other species protected under the ESA is known to occur in the project area. Noise due to excavation, placement of stones, and other construction activities may result in avoidance of the project area by sea turtles, but this effect would be temporary. The project would not include any pile driving.

Based on the proposed work and the listed species expected to be present in or near the proposed action area, the Corps has determined that the project "may affect but is not likely to adversely affect" the Green Sea Turtle and Hawksbill Sea Turtle, and that the proposed action will have no effect on any other NMFS ESA-listed marine species or any designated critical habitat. In accordance with informal consultation procedures under Section 7 of the Endangered Species Act (ESA), the Corps requests NMFS concurrence with this determination.

**ESSENTIAL FISH HABITAT:** The proposed work is being evaluated for possible effects to Essential Fish Habitat (EFH) pursuant to the Magnuson Stevens Fishery Conservation and Management Act of 1996 (MSFCMA), 16 U.S.C. et seq. and associated federal regulations found at 50 CFR 600 Subpart K.

The project site is within an area of ongoing erosion and scour due to wave action, and the project minimizes the footprint of the proposed protective structures. Because the project is designed to stop ongoing erosion, it is expected to reduce movement of silt and sediments onto the adjacent seaward reef areas and thus have a long-term beneficial effect on EFH.

In accordance with requirements of the MSFCMA, the Corps has determined that the proposed action would not adversely affect EFH.

**SPECIAL AREA DESIGNATION:** None.

**AUTHORITY:** This permit application will be reviewed under the following authorities:

(\*) Perform work in or affecting navigable waters of the United States – Section 10, Rivers and Harbors Act of 1899 (33 U.S.C. 403).

(\* ) Discharge dredged or fill material into waters of the United States – Section 404, Clean Water Act (33 U.S.C. 1344). The Corps’ public interest review will consider the guidelines set forth under Section 404(b) of the Clean Water Act (40 CFR 230).

() Transport dredged material for the purpose of dumping it into ocean waters - Section 103 Marine Protection, Research, and Sanctuaries Act of 1972 (33 U.S.C. 1413). The Corps’ public interest review will consider the criteria established under authority of Section 102(a) of the Marine Protection, Research and Sanctuaries Act of 1972, as amended (40 CFR Parts 220 to 229), as appropriate.

**EVALUATION:** The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

**COMMENT AND REVIEW PERIOD:** Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author’s e-mail account and must include on the subject line of the e-mail message the project name and reference number as shown below. All e-mail comments should be sent to [Peter.C.Galloway@usace.army.mil](mailto:Peter.C.Galloway@usace.army.mil). Conventional mailed comments should be sent U.S. Army Corps of Engineers, Regulatory Branch, Building 230, Fort Shafter, HI 96858-5440. Both conventional mail and e-mail comments must include the project name and reference number, as shown below, and the commenter’s name, address, and telephone number. All comments whether conventional mail or e-mail must reach this office no later than the expiration date of this public notice to ensure consideration. Include the following name and reference number: **Nu'uuli Village Shoreline Protection Project, POH-2011-00102**. Please contact Peter Galloway at (808) 438-8416 if further information is desired concerning this notice.

**PUBLIC HEARING:** Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state clearly and concisely, the reasons and rationale for holding a public hearing.

Project Drawings (5) are attached to this Public Notice.

A handwritten signature in black ink, appearing to read "George P. Young", with a stylized flourish at the end.

George P. Young  
Chief, Regulatory Branch

For and on behalf of:  
Douglas B. Guttormsen  
Lieutenant Colonel  
District Engineer

Attachments

# SHORE PROTECTION PROJECT

NU'UULI, ISLAND OF TUTUILA, AMERICAN SAMOA  
 PROJECT NO. AS-HP-1000 (0042)

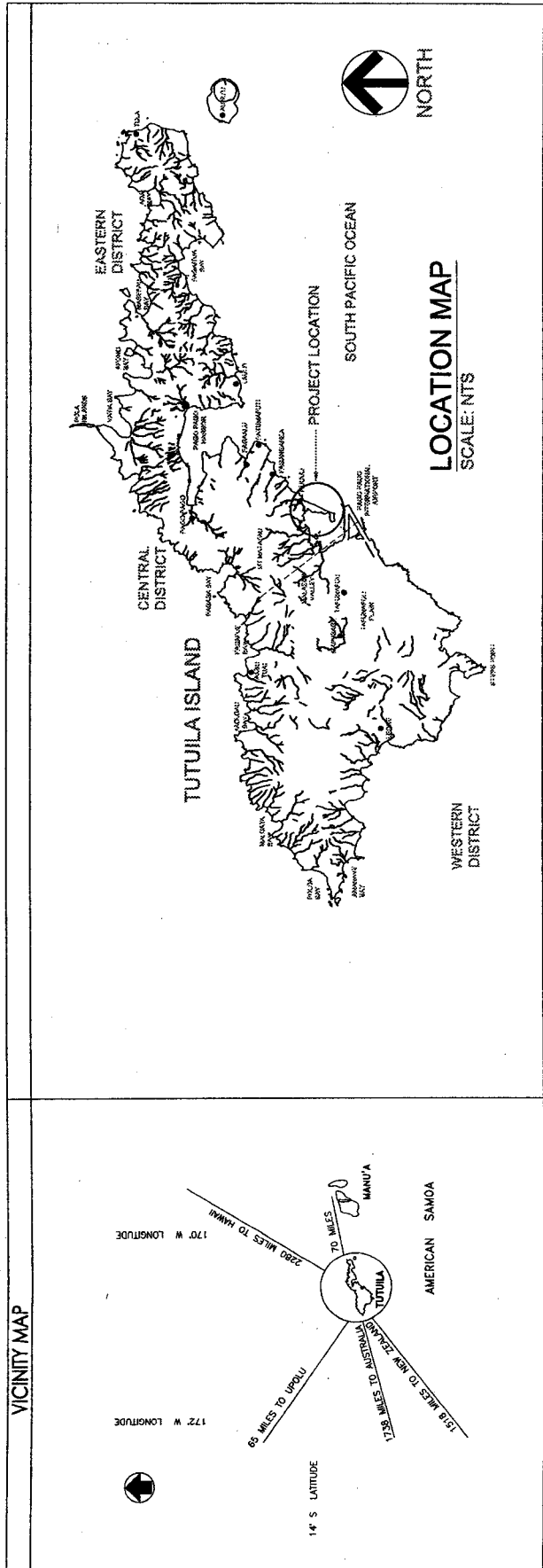
DEPARTMENT OF PUBLIC WORKS  
 AMERICAN SAMOA GOVERNMENT

NO.	REVISIONS	DATE	DESIGNED BY: CIVIL/HIGHWAY DIVISION	COORDINATOR APPROVALS
			CHECKED BY: FHWA	
			PROJECT ENGINEER:	
			DEPT. DIR. CIVIL/HWY DIV.: Faleofoa Veiga	
			DIRECTOR: Toafofoa Puleofoa Tili	

SHORE PROTECTION PROJECT  
 TITLE SHEET  
 NU'UULI VILLAGE, AMERICAN SAMOA

AMERICAN SAMOA GOVERNMENT  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL HIGHWAY DIVISION  
 PAGO PAGO, AMERICAN SAMOA

DRAWING NO. CH-02-11  
 PROJECT NO. AS-HP-1000(0042)  
 FEBRUARY 2011  
 SHEET NO. T.1  
 SHEET 1 OF 14



SHEET NO.	TITLE	DWG. NO.	DESCRIPTION
1.1	1		LOCATION MAP
C.1	2		KEY PLAN, INDEX OF DRAWINGS, GENERAL NOTES, ABBREVIATIONS AND SYMBOL FOR LOCATION
C.2	3		CONSTRUCTION NOTES AND LEGEND
C.3	4		PLAN AND PROFILE, STA. 0+00 - STA. 5+00
C.4	5		PLAN AND PROFILE, STA. 5+00 - STA. 9+50
C.5	6		CROSS SECTION, STA. 0+00 - STA. 2+50
C.6	7		CROSS SECTION, STA. 3+00 - STA. 5+50
C.7	8		CROSS SECTION, STA. 6+00 - STA. 8+50
C.8	9		CROSS SECTION, STA. 9+00 - STA. 9+50
C.9	10		TRIBAR AND TOE DETAILS
C.10	11		CRM TRANSITION, STA. 0+50 - STA. 0+85, STA. 2+00 - STA. 2+50
C.11	12		CRM TRANSITION, STA. 3+00 - STA. 3+50, STA. 8+34 - STA. 9+50
C.12	13		CRM CULVERT OUTLET SECTION AND NOTES
C.13	14		CATCHBASIN, OPEN DRAIN, RETAINING WALL, ACCESS STAIR, GRATE AND FRAME
C.13			BEST MANAGEMENT PRACTICES

**GENERAL NOTES:**

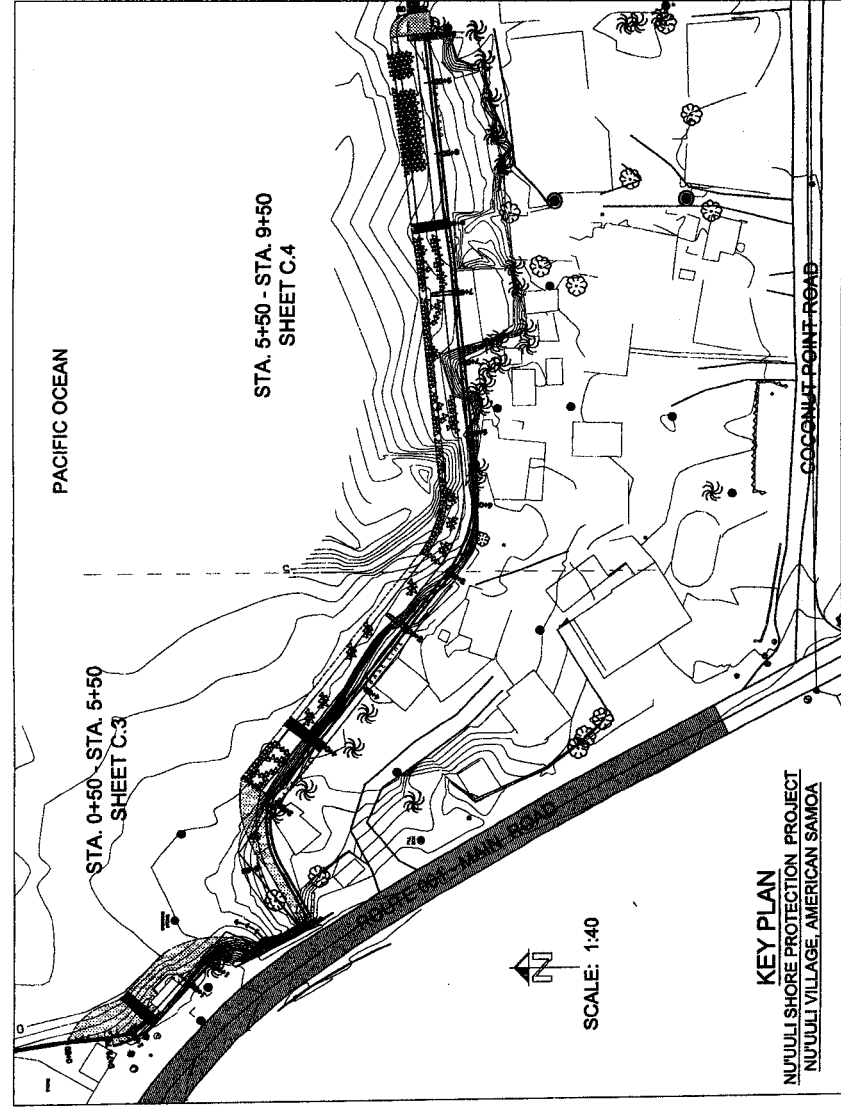
1) THE SCOPE OF WORK FOR THIS PROJECT CONSIST OF CLEARING, DEMOLITION, CONSTRUCTION, MAINTENANCE AND OPERATION OF SHORE PROTECTION STRUCTURES, CRIM TRIM, TRIBARS, BACKSTRAPPING, INSTALLATION OF CRIM TRIM, BACKSTRAPPING, INSTALLATION OF NEW TRIBAR REVEITEMENT, ENHANCEMENT OF LOW AREAS AS SHOWN ON THE PLAN AND PROFILE SHEETS, CONSTRUCTION OF OPEN DRAIN AND INSTALLATION OF DRAIN PIPE OUTLETS.

2) REFERENCE MATERIALS:  
 A. AMERICAN SAMOA SHORE PROTECTION MANUAL, 2006 - ARMY CORPS OF ENGINEERS  
 B. THE TERRITORY OF AMERICAN SAMOA, USACE TA-CK-90-33, REVISED ON JANUARY 2003  
 C. "HIGHWAY DRAINAGE GUIDELINES" - AUGUST 1992 - US CUSTOMARY UNITS (DESIGN FOR THE UNITS - NOT USED)  
 D. "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2003 EDITION" (MUTCD) - ASHOTO/AASAF/AMMATE (2003)  
 E. "MODEL DRAINAGE MANUAL" - ASHOTO 1991 - US CUSTOMARY UNITS (DESIGN FOR THE UNITS - NOT USED)  
 F. "UNIFORM SPECIFICATIONS FOR BRIDGES AND BARRIERS" - FEDERAL HIGHWAY ADMINISTRATION, 2002  
 G. "BRIDGES ON FEDERAL HIGHWAY PROJECTS, FP-37" - FHWA

3) THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, GAS, AND TELEPHONE LINES, SHALL BE DETERMINED AS SHOWN ON THE PLANS. FROM THE LATEST AVAILABLE RECORDS. THE ACCURACY IS NOT GUARANTEED. THE ENCOUNTERING OF OTHER OBSTACLES DURING THE COURSE OF WORK IS POSSIBLE. THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGES INCURRED TO EXISTING UTILITIES OR OTHER FACILITIES AND/OR IMPROVEMENTS AS A RESULT OF HIS NEGLIGENCE.

**GENERAL NOTES (CONT.):**

4) THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO AND FROM ALL EXISTING DRIVEWAYS AT ALL TIMES.  
 5) THE CONTRACTOR SHALL POST CONSTRUCTION SIGNS BEFORE THE FIRST CONSTRUCTION SITE AND LAST THE LAST CONSTRUCTION SITE, IF THE SITES ARE LESS THAN 1 MILE APART. WHERE THE DISTANCE BETWEEN SITES ARE GREATER THAN 1 MILE, CONSTRUCTION SIGNS SHOULD BE PLACED TO ALL TRAVELING DIRECTIONS.  
 6) ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL (MSL). HORIZONTAL COORDINATES USED WERE BASED ON THE HORIZONTAL DATUM OF 1983. ALL POINTS SHOWN BY THE LAND AND SURVEY DIVISION UNDER DEPARTMENT OF PUBLIC WORKS, ALSO, ALL UNITS ARE IN FEET.  
 7) DATE OF SURVEY: APRIL, 2009  
 8) THE CONTRACTING OFFICE IS THE AMERICAN SAMOA GOVERNMENT DEPARTMENT OF PUBLIC WORKS.  
 9) CHANGE NOTES MUST NOT BE DISTURBED AND FILL BOX MUST NOT BE COVERED AND ANNOTATIONS MUST BE PROTECTED.  
 APPROXIMATE LOCATIONS:  
 BOUNDING STONE = 1035946.10S, 1033480.71E  
 PILL BOX = 1035974.64N, 1033476.23E



**KEY PLAN**  
NUNUULI SHORE PROTECTION PROJECT  
NUNUULI VILLAGE, AMERICAN SAMOA

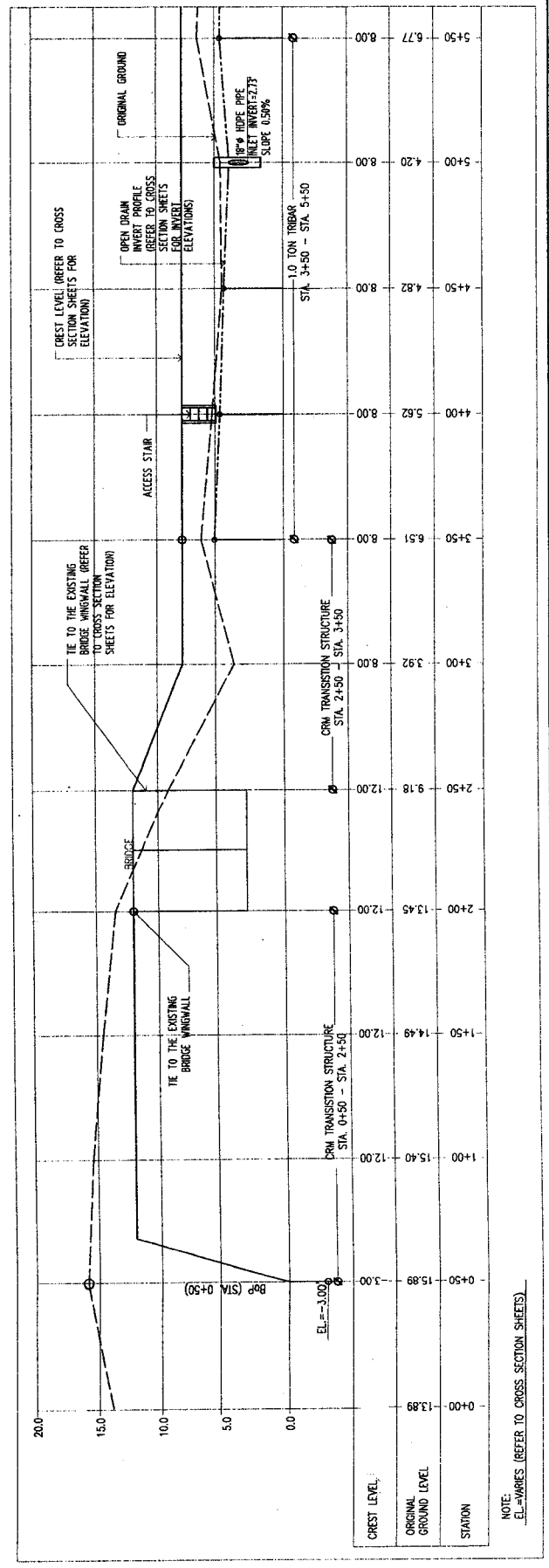
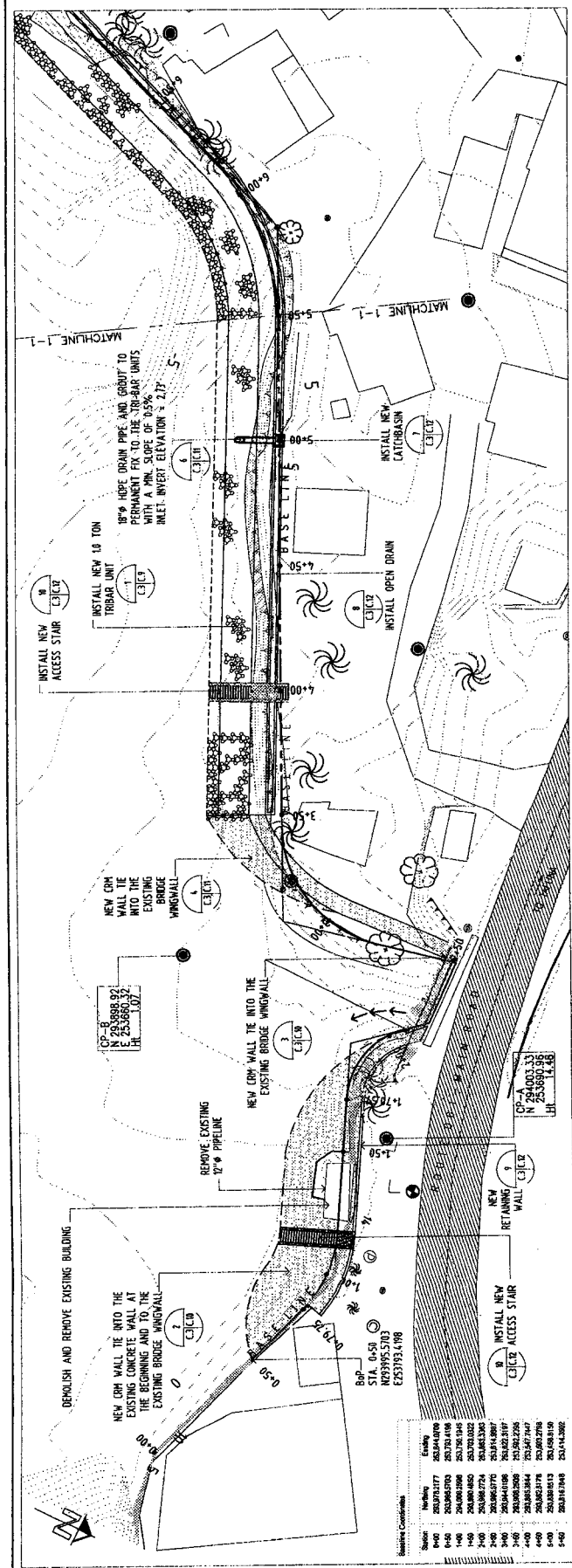
**ABBREVIATIONS:**  
 AC ASPHALT CONCRETE  
 ADA AMERICANS WITH DISABILITIES ACT  
 A1 ALUMINUM  
 APPROX APPROXIMATE  
 ASPB ASBESTOS CONCRETE PIPE  
 ASD AMERICAN SAMOA DISTRICT  
 ASD AMERICAN SAMOA  
 ASHPO AMERICAN SAMOA HISTORIC PRESERVATION SOCIETY  
 ASC AMERICAN SAMOA CABLEVISION  
 ASFA AMERICAN SAMOA POWER AUTHORITY  
 ASTA AMERICAN SAMOA TELECOMMUNICATIONS AUTHORITY  
 AT AMERICAN TELEPHONE AND TELEGRAPH COMPANY  
 AWMA AMERICAN WATERWORKS ASSOCIATION  
 BC AGGREGATE BASE COURSE  
 BB BOTTOM BANK  
 B1 BOTTOM BUILDING CORNER  
 BVC BEGIN VERTICAL CURVE  
 BWM BOTTOM WALL  
 C CHORD  
 CA CENTRAL ANGLE  
 CB CATCH BASIN  
 CFS CURB FACE SLAB  
 CFC CONCRETE FOOT CURB  
 CIP CORRUGATED METAL PIPE  
 CMU CONCRETE MASONRY UNIT  
 CONC CONCRETE  
 CONN CONNECTION  
 CONST CONSTRUCTION  
 CONT CONTINUOUS  
 CP CONTROL POINT  
 CPM CONCRETE PAVEMENT  
 CUP CULVERT PIPE  
 CU COPPER  
 C/C CURB  
 CUB CUBIC  
 CUBC CUBIC YARD  
 CUBIC APPROXIMATE DIMETER  
 D DETAIL  
 D1 DETAIL  
 D2 DETAIL  
 DR DRAINAGE  
 DRI DRAINAGE IRON PIPE  
 DRIE DRAINAGE IRON PIPE  
 DUL DUCTILE IRON PIPE  
 DW DRINKING WATER  
 DW(D) DEPARTMENT OF PUBLIC WORKS  
 DWG(D) DRAWINGS  
 DWY DRIVEWAY  
 E EAST  
 EA EACH  
 EC EDGE CURB  
 ECP EDGE OF CURB  
 EEF EDGE OF FACE  
 ELEC ELECTRICAL  
 EMH ELECTRIC MANHOLE  
 EL ELEVATION  
 ELG ELEGANT LINE  
 EOW EDGE OF WATER  
 EPB EDGE OF PAVEMENT  
 ERB EDGE OF ROAD  
 EVC END VERTICAL CURVE  
 EAST EXISTING

**ABBREVIATIONS:**  
 EQ EQUAL  
 FIA FINISH  
 FL FLOW LINE  
 FS FINISH SURFACE  
 FT FEET  
 G.S.GR GROUND SURFACE  
 GR GRASS  
 GRB GRASS BREAK  
 GRM GRASS MOUND  
 GRND GROUND  
 GRP GRASS ROOTS  
 GRVL GRAVEL  
 GRV GRAVEL  
 GUY GUY WIRE  
 H HORIZONTAL  
 HB/HB/HORIZ HORIZONTAL, BOTTOM VERTICAL  
 HOB HORIZONTAL BOTTOM  
 HPC HORIZONTAL CURB  
 HPH HORIZONTAL HIGH POINT  
 HRV HORIZONTAL TOP VERTICAL  
 ID INSIDE DIAMETER  
 IE THAT IS  
 IEF INTERSECTION  
 IFR INVERTED  
 INK INK  
 IRON IRON PIPE  
 P PAVEMENT  
 PCP PORTLAND CEMENT CONCRETE  
 PCOC PORTLAND CEMENT CONCRETE  
 PCF PERCENT  
 PH PHONE  
 PH PAVEMENT  
 PK PARKER-KALON FASTENER  
 PL PLATE  
 PLE PLASTER  
 PMS POST MERIDIAN  
 PINS PINS

**ABBREVIATIONS:**  
 CONN CONNECTION  
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NOTE:  
 \_EL\_=VARIES (REFER TO CROSS SECTION SHEETS)

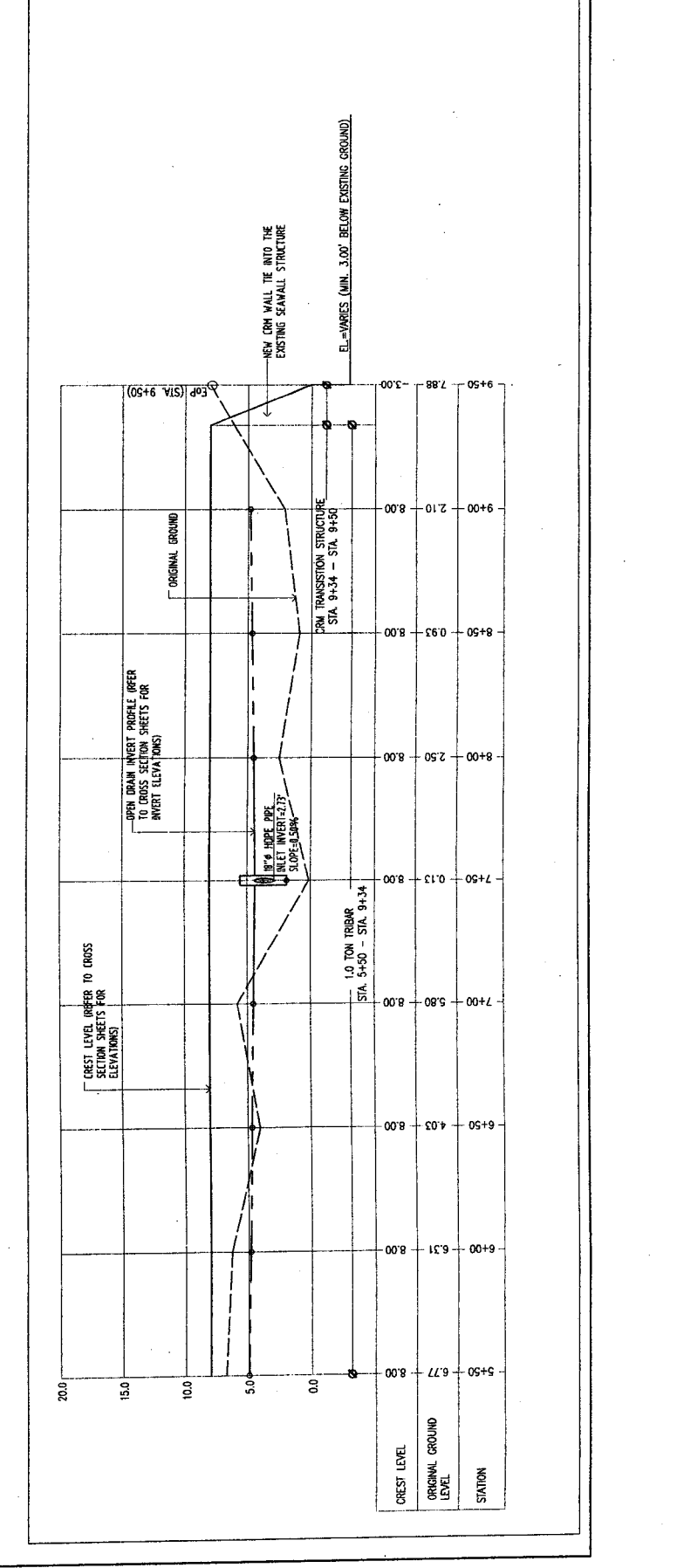
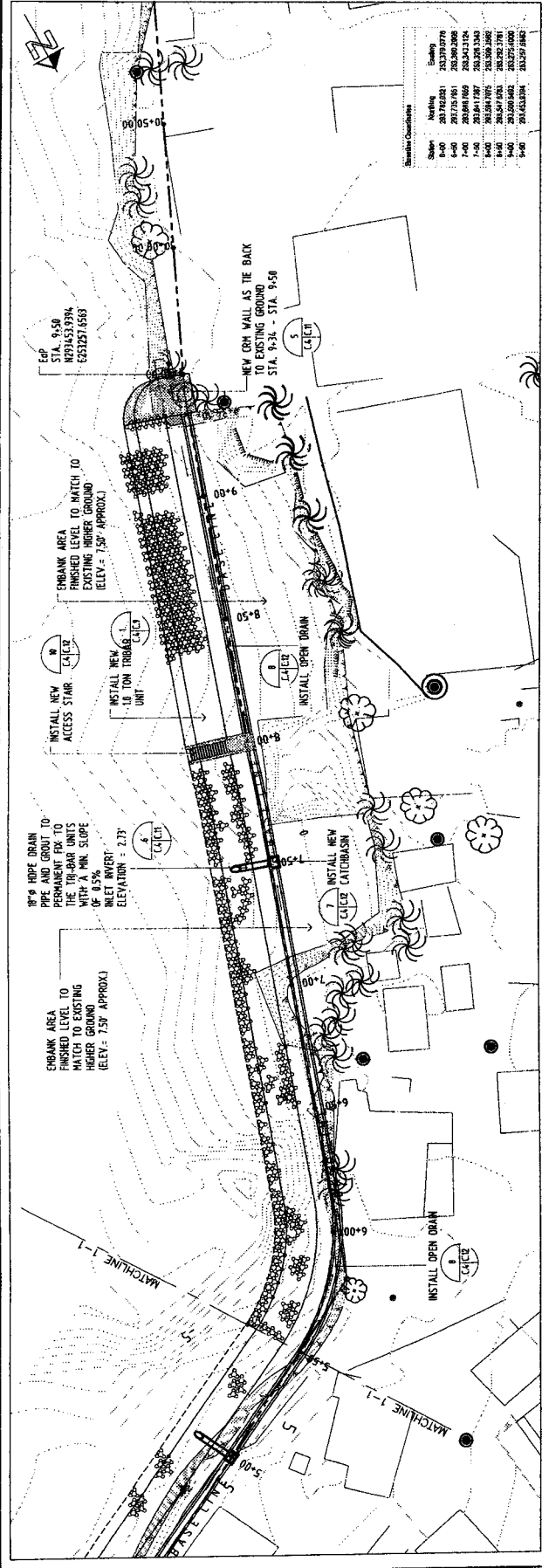


NO.	REVISIONS	DATE	DRAWN BY: CIVIL/HIGHWAY DIVISION	CHECKED BY: PHVA	PROJECT ENGINEER:	DEPT. DIR. CIVIL/HWY DIV. - Puleloahe Velei	DIRECTOR: Toesehali Puleloahe Tui
COORDINATION APPROVALS							

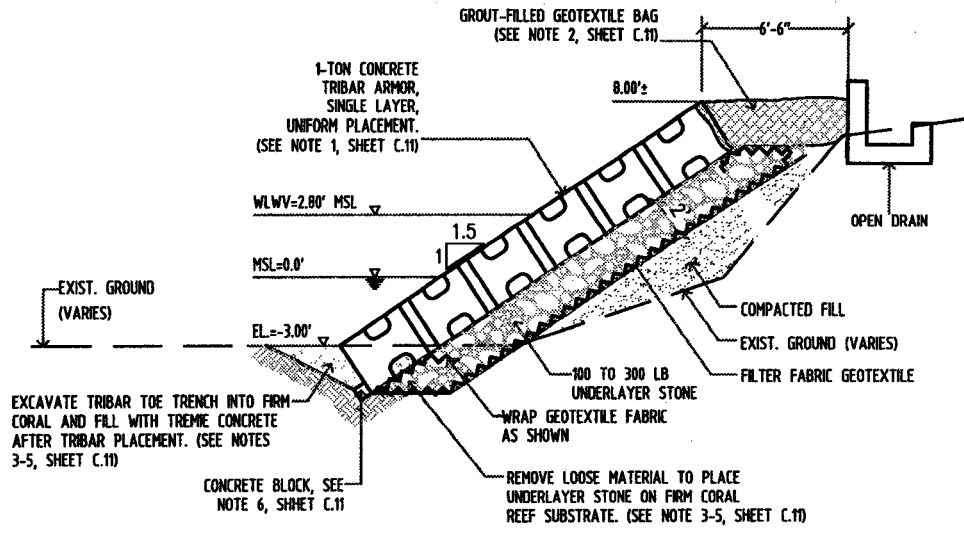
SHORE PROTECTION PROJECT  
 PLAN AND PROFILE  
 STA. 9+00-STA.5+00  
 NUVULU VILLAGE, AMERICAN SAMOA

AMERICAN SAMOA GOVERNMENT  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL HIGHWAY DIVISION  
 PAGO PAGO, AMERICAN SAMOA

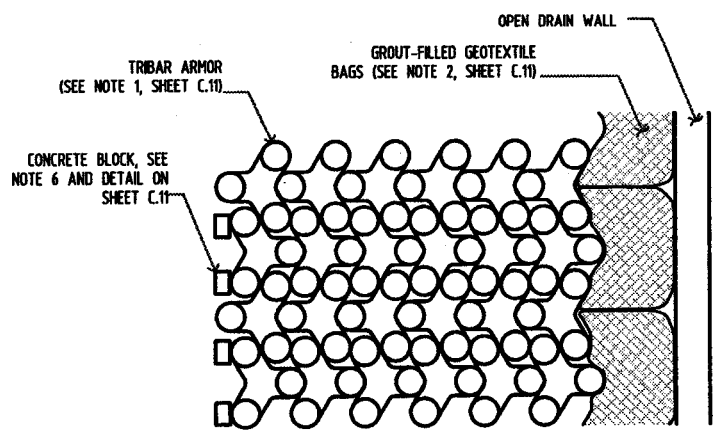
DRAWING NO. CH-02-11  
 PROJECT NO. AS-HP-1000(042)  
 DATE FEBRUARY 2011  
 SHEET NO. C.4  
 SHEET 5 OF 14



Station	Height	Remarks
8+00	2.50	OPEN DRAIN INVERT PROFILE (REFER TO CROSS SECTION SHEETS FOR INVERT ELEVATIONS)
8+50	0.92	CRM TRANSMISSION STRUCTURE STA. 9+34 - STA. 9+50
9+00	2.10	NEW CRM WALL TO BE INTO THE EXISTING SEAWALL STRUCTURE
9+50	7.88	EL. VARIES (MIN. 3.00' BELOW EXISTING GROUND)



**SECTION**



**PLAN**

**TYPICAL REVETMENT DETAIL**  
 SCALE : 1 : NTS