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REX D. JOHNSON DIRECTOR

KANANI HOLT JOYCE T. OMINE AL PANG CALVIN M. TSUDA

DEPUTY DIRECTORS

IN REPLY REFER TO:

May 9, 1994

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION MAUI DISTRICT 650 PALAPALA DRIVE KAHULUI, HAWAII 96732

Mr. Brian Choy, Director Office of Environmental Quality Control 465 South King Street, Room 104 Honolulu, Hawaii 96813

Dear Mr. Choy,

JOHN WAIHEE GOVERNOR

> Negative Declaration for Shoreline Protection of Honoapiilani Highway at Launiupoko Wayside Park, TMK: 2nd 4-7-01:17, Launiupoko, Maui

The State of Hawaii, Department of Transportation, Highways Division, Maui District, has reviewed the relevant engineering and environmental data and comments received during the Draft Environmental Assessment (EA) public comment period (45 days, by request, beginning December 8th, 1993 and ending January 22, 1994) for the above-cited project. We have determined that the construction of this revetment will not have significant adverse environmental impacts and have issued a Negative Declaration.

The final EA evaluates the effects of constructing a rubblemound revetment to protect Honoapiilani Highway from damage or destruction due to the effects of wave, current, and storm surge action, and responds to comments received to the draft EA. This revetment, proposed and designed by the U.S. Army Honolulu Engineer District ("Corps"), provides a wave-energy-absorbing structure for a narrow strip of coastline fronting Honoapiilani Highway along the north end of Launiupoko Wayside Park about 2 miles south of Lahaina. This area has been severely eroded -- undercutting the pavement in some areas -- and is unlikely to survive a major storm. Insofar as Honoapiilani Highway is the only improved road into West Maui, this poses a significant threat to resident, tourist, and emergency services access to West Maui. The completed revetment is intended to prevent wave damage to the road along the affected reach, thereby lessening the possibility of road closure due to the results of wave action. This revetment is therefore of significant benefit for the health and welfare of the community.

Enclosed are a completed OEQC Bulletin Publication Form and four copies of the final EA. Please publish this notice in the May 23rd, 1994 OEQC Bulletin. Please contact Charles Willson at 531-8070 if you have questions regarding this submission.

Sincerely, Siarot District Engineer

1994-05-23-MA-FEA-Honoapiilani Highwayar 23 1994 Shoreline Protection at Launiupoko Ŧ Final

#### ENVIRONMENTAL ASSESSMENT

for

#### HONOAPIILANI HIGHWAY

# SHORELINE PROTECTION AT LAUNIUPOKO

#### MAUI, HAWAII

prepared on behalf of the

State of Hawaii Department of Transportation Highways Division

bу

U.S. Army Corps of Engineers Honolulu Engineer District

and

ECM, Inc. 485 Waiale Drive Wailuku, Hawaii 96793

# ENVIRONMENTAL ASSESSMENT

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Final EA for Shoreline Protection at Launiupoko

Page 1

# TABLE OF CONTENTS

#### PAGE

1.	Sun	ummary 4			
2.	Loc 2.1	ation, Authority, Need, and Objectives of Action			
	2.2	Authority			
	2.3	Need			
		Site showing Launiupoko Wayside Park and affected shoreline 6a Area 1 (300' shoreline reach, southernmost area)			
	2.4	Planning Objectives			
	2.5	EA Triggers			
3.	Alternatives Analysis				
	3.1	Alternative 1: No Action			
	3.2	Alternative 2: Rubblemound Revetment			
		Figure 4. Single Layer Rock Revetment Plan			
	2 2	Figure 5. Artist's Rendering of Revetment			
	3.3	Alternative 3: Dynamic Revetment			
	3.4 3.5	Alternative 4: Seawalls			
	5.5	Alternative 5: Relocation of Honapiilani Highway 8			
4.	Affected Environment				
	4.1	Environmental Setting			
	4.2	Climate			
	4.3	Oceanography 10			
	4.4	Terrestrial Resources			
	4.5	Marine Resources 10			
	4.6	Endangered and Threatened Species 11			
	4.7	Water Quality 11			
	4.8	Air Quality			
	4.9	Noise Quality			
	4.10				
	4.11	Recreational Resources 11			

Final EA for Shoreline Protection at Launiupoko

Page 2

Printed 5/9/94

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# Environmental Assessment for Shoreline Protection at Launiupoko

#### 1. SUMMARY.

In response to a request from the State of Hawaii, Department of Transportation, Highways Division, the U.S. Army Honolulu Engineer District ("Corps") proposes shoreline protection for two shoreline reaches, totaling 500 feet long, fronting Honoapiilani Highway at Launiupoko. Funds permitting, protection may also be provided for an additional segment of about 150 feet. These reaches have been severely eroded by wave and current action, undercutting the pavement in some areas, and are unlikely to survive a major storm. This poses a serious threat to Honoapiilani Highway, the only improved road into West Maui and an essential link in Maui's transportation system.

The No Action alternative, three structural alternatives, and highway relocation were evaluated. The No Action alternative would likely result in continued erosion, damage, and eventual closure of segments of the State highway. The highway relocation alternative is infeasible due to the time and funding required for such a long reach of highway re-routing. A dynamic revetment is less desirable due to the very large cross-sectional area required, extending into nearshore waters well beyond the existing shoreline. A seawall would have problems associated with wave reflection and poor public access. The preferred alternative involves construction of a rubblemound revetment consisting of an underlayer of 50 to 150 pound stones over plastic filter cloth to prevent leaching of subbase materials through the underlayer voids, and a single layer of fitted 1,000 to 2,500 pound armor stones.

The proposed action is not expected to result in significant environmental impacts. The project area was previously disturbed during construction of the coastal roadway. Small numbers of plants and small marine animals would be displaced or destroyed during project construction, but rapid recolonization of stabilized areas is anticipated. Effects on the marine environment will be transitory and can be minimized by performing most shoreline construction work during low water with a silt curtain. Implementation of the preferred alternative would not affect any endangered or threatened species, nor any historic sites. The project would reduce or eliminate wave damage to the road along the affected reach, thereby lessening the possibility of road closure due to the results of wave action. On the basis of previous statements describing similar actions, the nature and scope of the recommended work, and the lack of significant environmental impacts, it is concluded that the proposed repair work is not a major action significantly affecting the quality of the environment. Therefore, an Environmental Impact Statement is not required.

Final EA for Shoreline Protection at Launiupoko

Page 4

# CORRECTION

THE PRECEDING DOCUMENT(S) HAS BEEN REPHOTOGRAPHED TO ASSURE LEGIBILITY SEE FRAME(S) IMMEDIATELY FOLLOWING

# ENVIRONMENTAL ASSESSMENT

for

# HONOAPIILANI HIGHWAY

# SHORELINE PROTECTION AT LAUNIUPOKO

MAUI, HAWAII

prepared on behalf of the

State of Hawaii Department of Transportation Highways Division

by

U.S. Army Corps of Engineers Honolulu Engineer District

and

ECM, Inc. 485 Waiale Drive Wailuku, Hawaii 96793

Final EA for Shoreline Protection at Launiupoko

Page 1

Printed 5/9/94

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# TABLE OF CONTENTS

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#### PAGE

1.	Summary		
2.	<ul> <li>Location, Authority, Need, and Objectives of Action</li></ul>		
	<ul> <li>2.2 Authority</li></ul>		
	Area 1 (300' shoreline reach, southernmost area)		
	2.4 Planning Objectives62.5 EA Triggers7		
3.	Alternatives Analysis       7         3.1       Alternative 1: No Action       7         3.2       Alternative 2: Rubblemound Revetment       7         Figure 4.       Single Layer Rock Revetment Plan       7a		
	Figure 5. Artist's Rendering of Revetment7b3.3 Alternative 3: Dynamic Revetment73.4 Alternative 4: Seawalls83.5 Alternative 5: Relocation of Honapiilani Highway8		
4.	Affected Environment94.1 Environmental Setting94.2 Climate94.3 Oceanography104.4 Terrestrial Resources104.5 Marine Resources104.6 Endangered and Threatened Species114.7 Water Quality114.8 Air Quality114.9 Noise Quality114.10 Archaeological/Historical Resources114.11 Recreational Resources11		

Final EA for Shoreline Protection at Launiupoko

Page 2

5.	Environmental Consequences			
	5.2 5.3	Terrestrial Resources	12	
	5.4	Endangered and Threatened Species	12	
	5.5	Water Quality	13	
	5.6 5.7	Air Quality Noise Quality	13	
	5.7 5.8	Traffic	13	
	5.9	Archaeological/Historical Resources	14	
	5.10	Recreational Resources	14 14	
		Community Effects		
6.	Mitigation Measures		10	
7.	Environmental Assessment Findings			
8.	Projected Construction Timetable and Costs 1			
9.	Summary of Related Submissions			
10.	Agency Responses List (Full text in Attachments) 2			
11.	Conclusion / Negative Declaration 2			

#### ATTACHMENTS

Memorandum on Littoral Processes (S. Boc, Corps of Engineers, 21 April 94)
Finding of No Significant Impact (Corps of Engineers, August 1991)
EA / CDUA Distribution List (Agencies Contacted)
Review Comments received from agencies
BLNR Dredging and Revetment Reconstruction CDUA Meeting Notes (8/17/77)
BLNR Right-of-Entry and Set Aside (9/9/77)
Letters to BLNR Chair (5/26/78 & 11/8/78 re: width, right-of-way, access)
Launiupoko Wayside Park Executive Order and Survey (C.S.F 18,527 1/29/79)
Conveyance of park to county (by DLNR/DLM 11/8/91)
Launiupoko Wayside Park Survey (C.S.F 21,696 4/8/92)
Tax (TMK) Maps (Division, Zone, Plat) (Note: Section same scale as Plat, omitted)
Shoreline Survey (certified by State Surveyor November 1993)
Project Plans (5 sheets)

EA Preparation: The prior (1991) federal version of this Environmental Assessment (EA) and Finding of No Significant Impact (FONSI) was prepared and distributed by the U.S. Army Corps of Engineers Honolulu Engineer District as Appendix A of a Section 14 Reconnaissance Report prepared under the Flood Control Act of 1946 (available on request). This version was expanded and augmented by ECM, Inc. to meet the current requirements of Chapter 343, Hawaii Revised Statues, and in accordance with Title 11; Chapter 200, Environmental Impact Statement Rules, on behalf of the State of Hawaii, Department of Transportation, Highways Division, Maui District, 650 Palapala Drive, Kahului, Maui, Hawaii 96732. Additional information may be obtained from Charles Willson at ECM, Inc., 485 Waiale Drive, Wailuku, Hawaii 96793 or 900 Fort Street Mall, Suite 965, Honolulu, Hawaii 96813, (808) 531-8070, FAX: 526-0702.

Final EA for Shoreline Protection at Launiupoko

Page 3

# Environmental Assessment for Shoreline Protection at Launiupoko

#### 1. SUMMARY.

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Final EA for Shoreline Protection at Launiupoko

Page 4

# 2. LOCATION, AUTHORITY, NEED AND OBJECTIVES OF ACTION.

# 2.1 Location, Legal Designation, Area and Zoning.

Location. The project site is located on the southwest shore of West Maui about 2 miles southeast of Lahaina town and adjacent to the main body of Launiupoko Wayside Park on the northwest end (see location and USGS maps). The project area includes the shoulder of the existing Honoapiilani Highway (State lands, 0.2 acre) and a narrow strip of Launiupoko Wayside Park which lies between the highway and the sea at the project site (County lands, 0.5 acre, largely inside the 80-foot-wide highway right-of-way). The main body of the park (the improved areas for parking, picnicking, and swimming) lies to the southwest (Kihei side) of the project area, but a narrow strip of park land consisting of rocky shoreline and steep, unstable scarp along the highway extends north toward Lahaina.

Legal Designation, Ownership, and Existing Use of the Site. The park is designated as Tax Map Key (TMK): 2nd 4-7-01:17, and was set aside by Executive Order No. 2973 (May 23, 1979) and recorded on C.S.F 18,527 (January 29, 1979). The state subsequently deeded the park in fee to the County under Section 2.(d)(2) of Act 312: "On January 1, 1992, the estate, right, title, and interest, and any appurtenance thereto ... Launiupoko state wayside ... shall be vested in the County of Maui." This was recorded on C.S.F. 21,696. The park is now managed by Maui Parks and Recreation.

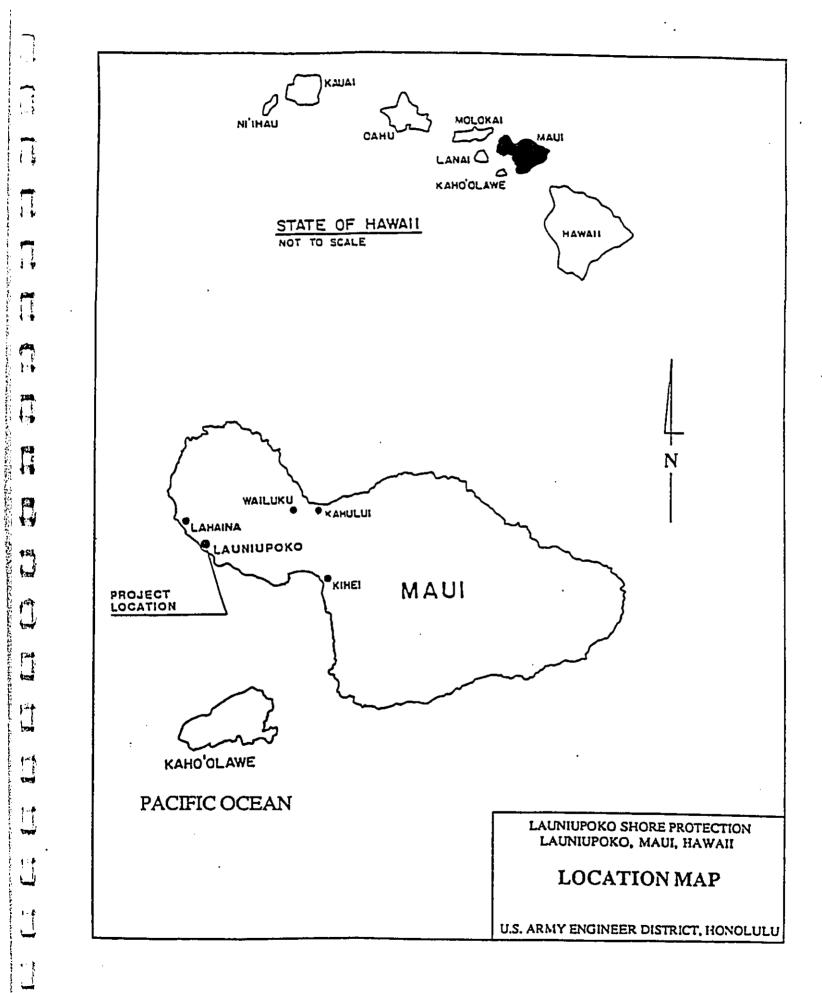
The state-owned Honoapiilani Highway (FAP No. F-030-1(1), no TMK assigned) is the only improved road into West Maui, and provides access between the West Maui communities of Lahaina, Kahana, Kaanapali, and Kapalua and the central and eastern portions of the island for about 21,000 vehicles per day (21,851 counted in 24-hours, May 20 - 21, 1991). It has an 80-foot-wide right-of-way which extends past the designated shoreline in most of the the affected area and reaches within about 4 feet of the water on portions of each of the two shoreline reaches (as indicated on the shoreline survey map signed November 5, 1993). Pavement width is about 36-feet with 22-foot shoulders within the right-of-way. Existing use is thus both park and highway.

Area. About 0.7 acre will be required for the revetment, increasing to about 1 acre if the "optional" area between the two primary areas is protected. About 0.5 acre of this will be on the 5.697 acre park parcel (most of this within the highway right-of-way) and 0.2 acre on the highway shoulder.

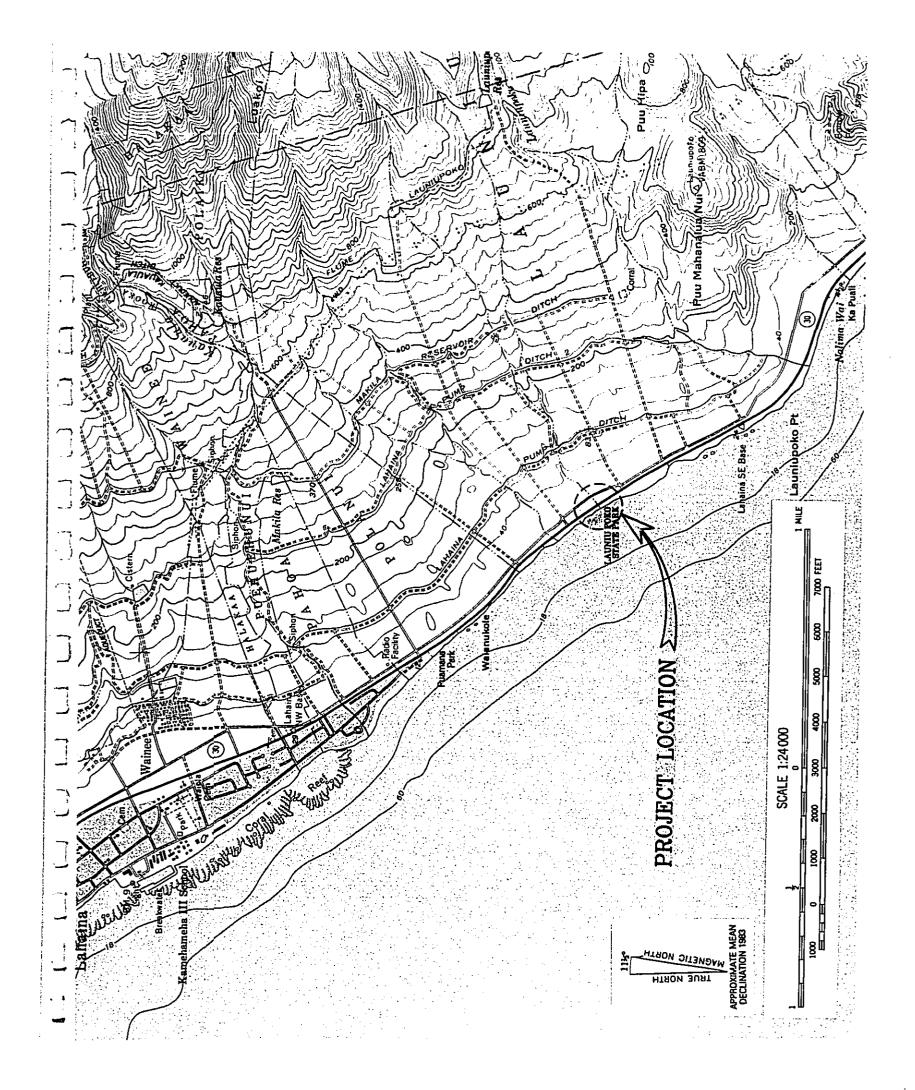
Zoning. The park is zoned conservation, limited subzone (resource below high water mark) on state DNLR maps. Maui County Zoning and Community Plan designation is Open Space (due to the incorrect identification of the park location on the County Planning map), but will be corrected to Park in the revised Lahaina Community Plan. Land adjoining the subject area mauka (east) of the highway is owned by Pioneer Mill, zoned for agriculture, and used for sugar cane production.

Final EA for Shoreline Protection at Launiupoko

Page 5

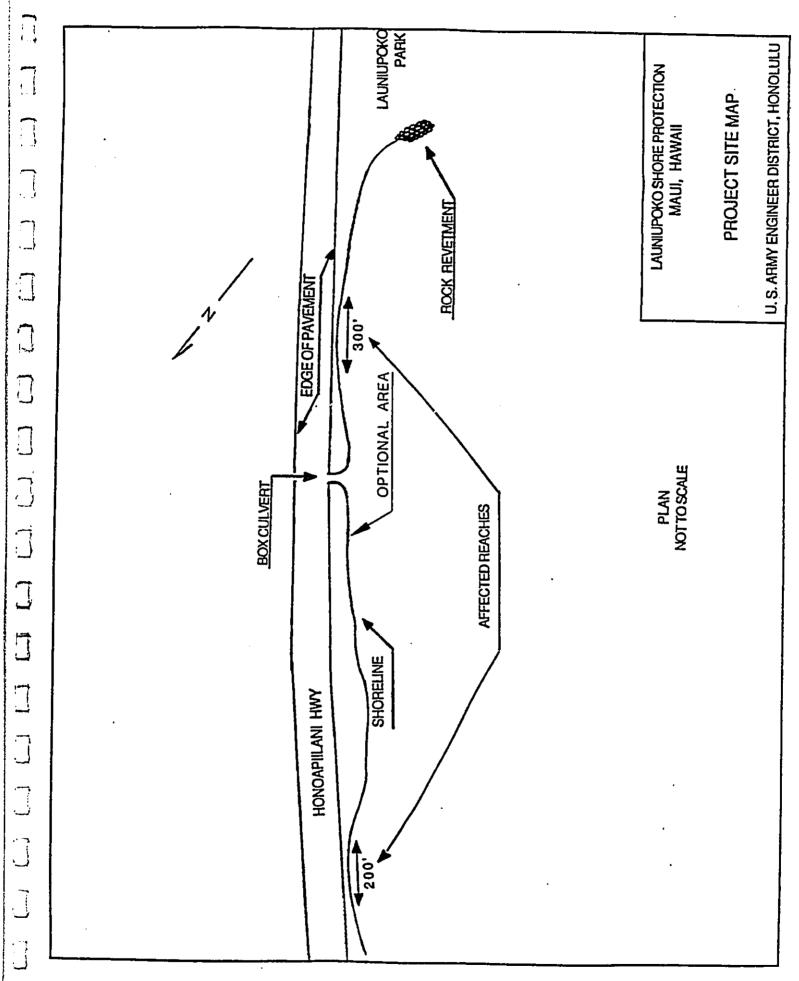


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- 2.2 Authority. The shoreline protection study and federal participation is authorized under Section 14 of the Flood Control Act of 1946, as amended. The original (federal) Environmental Assessment (EA) was prepared as part of the Corps' Section 14 study to determine the feasibility of and Federal interest in providing emergency shoreline protection at Launiupoko, Maui.
- 2.3 Need. Periodic storms have caused major erosion along the project shoreline, threatening two sections of Honoapiilani Highway. The recorded shoreline (following the vegetation line and top or toe of bank) from the 1993 Shoreline Verification survey is well inland of the designated shoreline on the 1979 survey (which followed the high water mark) -- although this is partially due to the different criteria used to specify the shoreline. The difference in some places amounts to over 65 feet on portions of the first shoreline reach and over 45' on some portions of the second reach over the last 14 years. The ocean-side edge of the pavement is now being undercut and several concrete barriers erected at the edge of the Kihei-bound lane have fallen over the edge. (Both the January 1979 and the November 1993 "recorded shoreline" limits are shown on the shoreline survey map signed November 5, 1993 (attached); the January 29, 1979 map is also attached to the copy of the park Executive Order (C.S.F 18,527). The magnitude of shoreline erosion is also evident from the attached photos.)

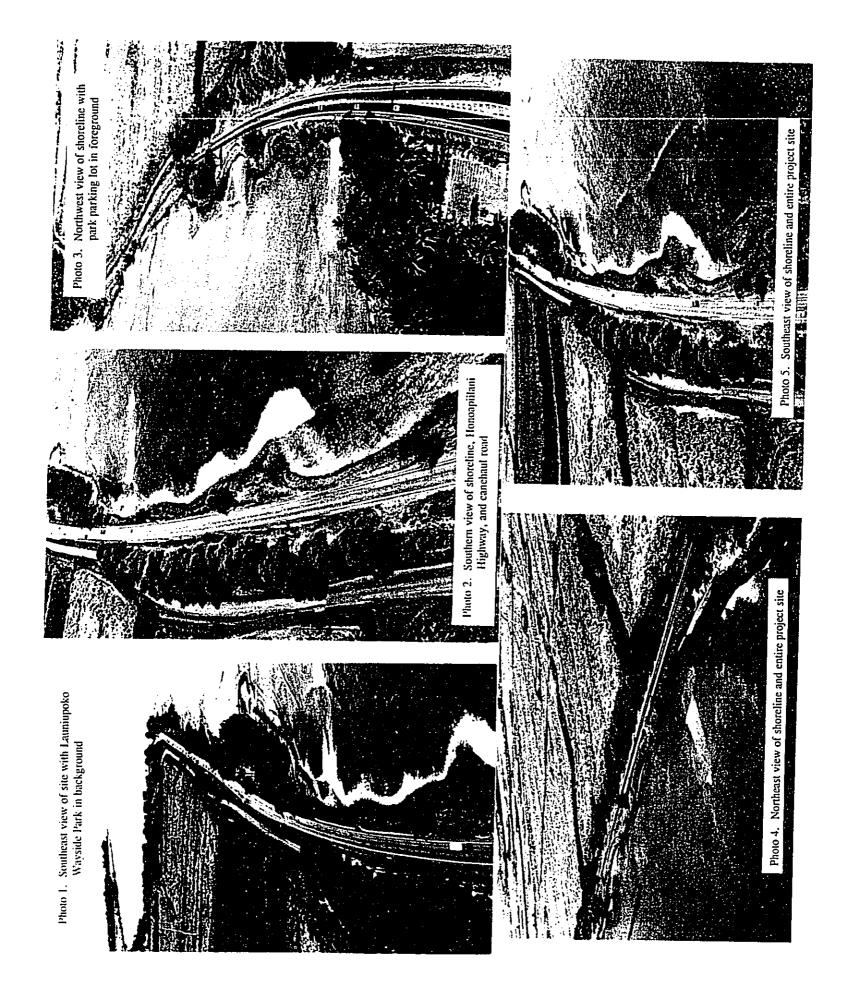
As the only improved road into West Maui, Honoapiilani Highway is an essential link in the island's transportation system for residents, tourists, and emergency service access. Damage to or loss of the highway would create traffic congestion and significant delays in travel between the two major centers of activity - Kahului / Wailuku and Lahaina / Kaanapali. Response time for emergency services (fire, medical, police, etc.) and access time for all users could also be severely affected (confirmed by the December 28, 1993 letter from Ronald P. Davis, Fire Chief, Maui Department of Fire Control, stating: "The protection of this highway is an absolute necessity!"). These conditions prompted the State of Hawaii, Department of Transportation, Highways Division, to request U.S. Army Corps of Engineers assistance for protection of this segment of Honoapiilani Highway in a letter dated 12 October 1989, and led to the Section 14 study and to the design of this revetment.

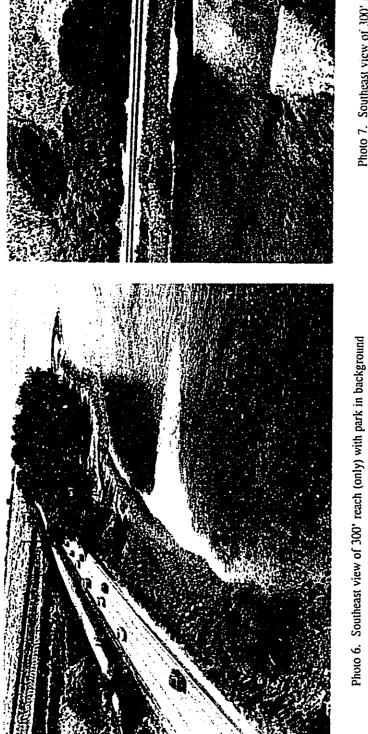
2.4 Planning Objectives.

- Provide economically viable protection against wave erosion and damage for approximately 500 feet (optionally 650 feet) of shoreline in Launiupoko to prevent highway damage by wave and current action and maintain access to West Maui (revetment tie-backs will extend just beyond the area of erosion to prevent the possibility of flanking or erosion at the end of the revetment); and
- (2) Minimize or mitigate environmental, cultural and social impacts to the maximum practical extent.

Final EA for Shoreline Protection at Launiupoko

Page 6







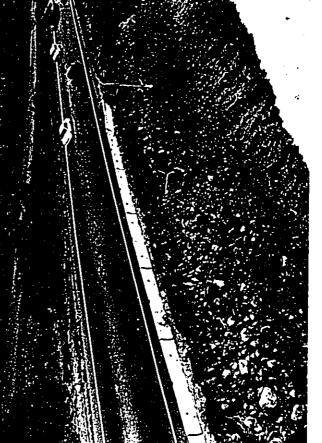


Photo 9. Close-up view of Area 1 (note undercutting of pavement)

Photo 8. Close-up southeast view of Area 1 (note failen guard rail)



Photo 12. Close-up southeast view of Area 2 eroded shoreline

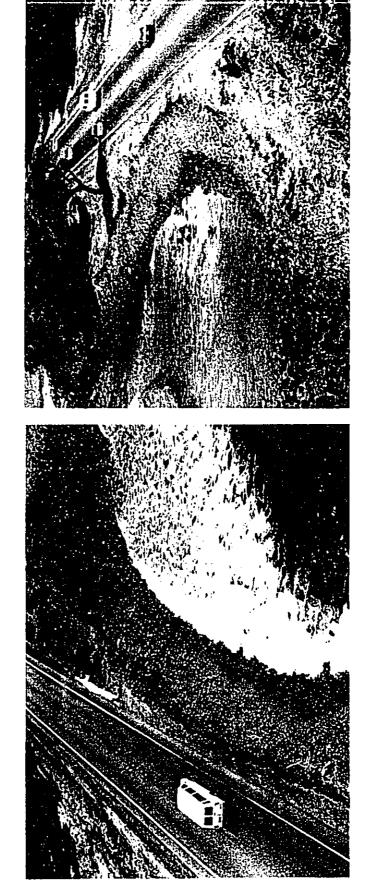
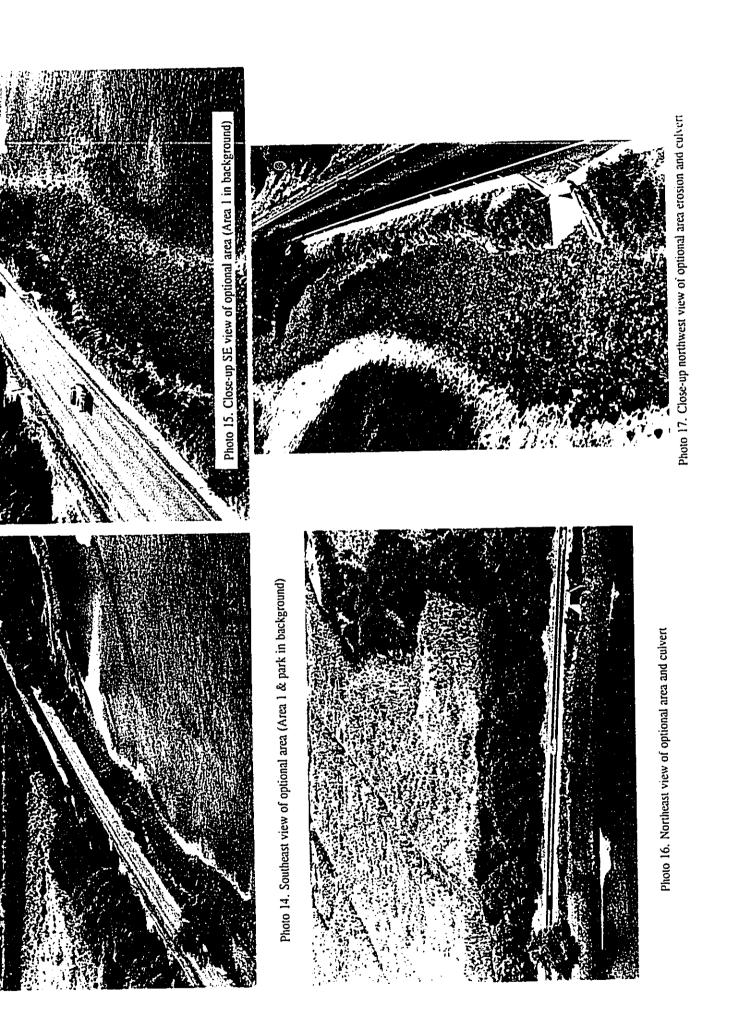


Photo 11. Southeast view of 200° reach (Area 2)





#### 2.5 EA Triggers.

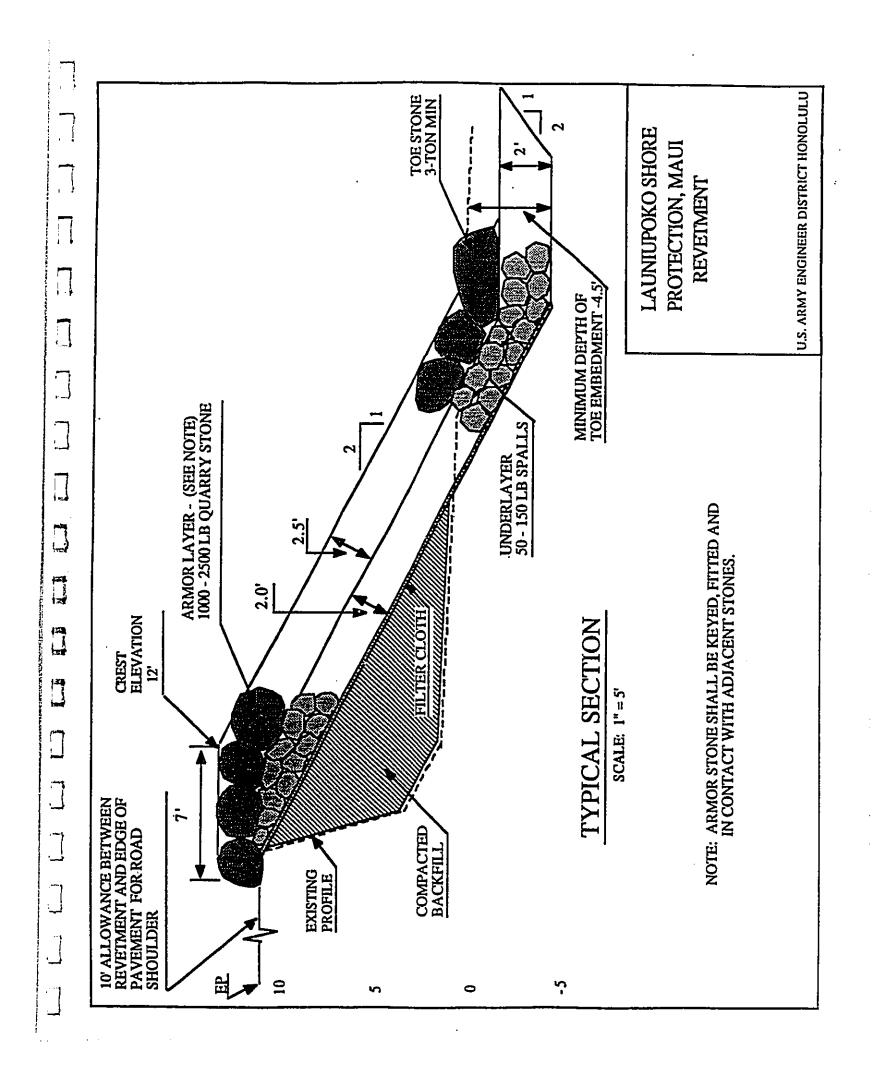
This EA is triggered by (1) the use of State lands and funds, (2) use within Conservation district lands, and (3) use within the Shoreline Setback area.

# 3. ALTERNATIVES ANALYSIS.

- **3.1** Alternative 1: No Action. This alternative would not meet planning objectives. The present condition of the shoreline is such that storm waves reflect off a near-vertical scarp which acts much like a seawall, creating high energy wave reflection which accelerates shoreline erosion and is likely to result in significant damage to the roadway with the next major storm. The No Action alternative poses greater environmental impacts and an unacceptable risk to this vital transportation artery and to the health, safety, and well-being of the West Maui community.
- 3.2 Alternative 2: Rubblemound Revetment. This is the preferred alternative. A revetment would be constructed using a single layer of 1,000 to 2,500 pound armor stones (Figure 3), fitted so that each stone makes direct contact with all adjoining armor stones. A 2.0-foot thick underlayer would be provided using stones ranging from 50 to 150 pounds, placed over plastic filter cloth to prevent leaching of subbase materials through the underlayer voids. The subbase would be graded to provide a finished seaward face slope of 1.0 vertical on 2.0 horizontal. Existing shoreline vegetation would be removed as necessary. A rubblemound revetment at the site would provide protection for Honoapiilani Highway in the Launiupoko area. The sloped face would provide a wave energy absorbing structure with low reflection characteristics, yielding possible sand accumulation at the structure toe. Rubblemound revetments have been constructed at several sites on Maui and have functioned satisfactorily under extreme sea conditions. Sloped rubblemound revetments allow access to the water, are generally acceptable to the public, and are consistent with the character of the park. (See Figure 3 and plans. Note the similar armor stone revetment around the main body of the park in Photos 6 and 14.)
- **3.3** Alternative 3: Dynamic Revetment. Dynamic revetments are described by Ahrens and Camfield.<sup>1</sup> The concept of a dynamic revetment is to build an extensive berm of loose stone which can deform in response to the action of waves and assume a shape (typically with a rampart) which can effectively absorb energy of subsequent waves. Dynamic revetments have not been previously tested in the Pacific Ocean, although storm waves naturally form rampart structures of available coral rubble in a process of island formation at tropical Pacific atolls (Wiens,

Final EA for Shoreline Protection at Launiupoko

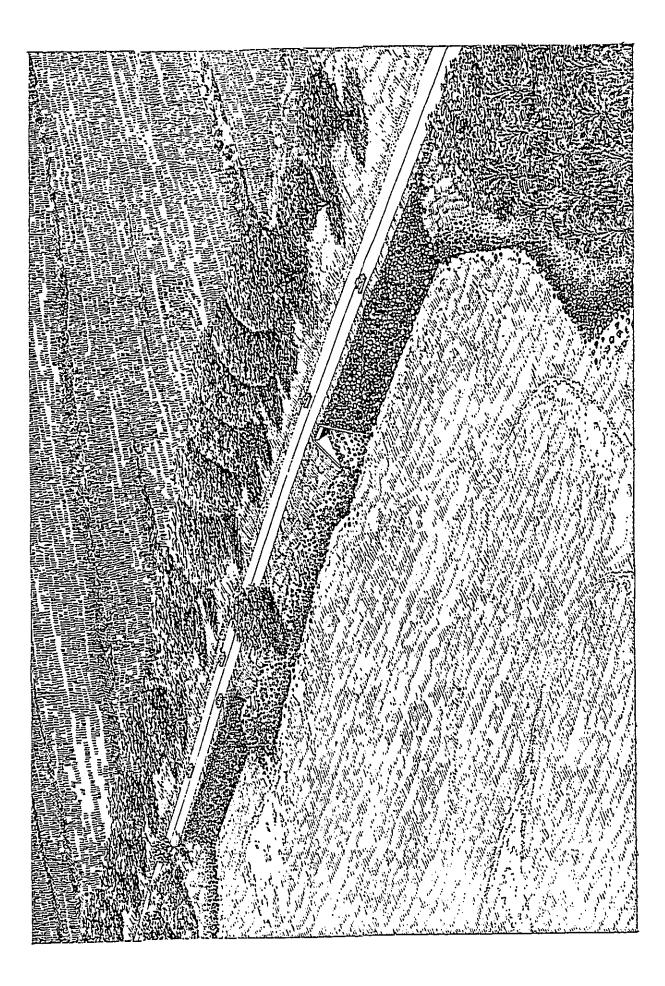
<sup>&</sup>lt;sup>1</sup> Ahrens, John P. and Fred Camfield. Dynamic Revetments. The CERCular (Information Exchange Bulletin of the Coastal Engineering Research Center, U.S. Army Corps of Engineers Waterways Experiment Station), Vol. CERC-89-2:1-3, 1989.



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1962). The disadvantage of this alternative is that a larger cross-sectional area is needed and would require the extension of the revetment past the shoreline creating a greater disturbance of the shoreline ecosystem.

3.4 Alternative 4: Seawalls. Impervious, vertical, or near vertical bulkhead-type seawalls, either concrete rubble masonry or cast-in-place reinforced concrete, were considered. The primary advantage of a near-vertical wall is the preservation or creation of additional lands along the shorefront behind the structure. Disadvantages include creation of a highly reflective face with high wave-energy reflection characteristics which would accelerate shoreline erosion and prevent sand accumulation at the base of the structure. A seawall also presents a potential safety hazard due to the steep or vertical face, and poor public access to the water.

3.5 Alternative 5: Relocation of Honapiilani Highway. Relocating the highway further inland is a potential solution, but is not feasible within the time frame required to prevent the loss of the existing highway, which is unlikely to survive a major storm. The preferred option does not preclude highway relocation in the long term. The draft Supplemental EIS for Honoapiilani Highway (FAP Route 30) Puamana to Honokowai (S-EIS) indicates the "Lahaina Bypass" (Honoapiilani Highway replacement segment planned for year 2000) rejoins the existing highway at Puamana Park (about 1 mile north of the project area), so the existing alignment adjoining Launiupoko Wayside Park would be retained. Based on cost projections supplied by Highways Planning from the draft Supplemental EIS, the cost of construction a one mile extension of this bypass would be on the order of \$ 10 million. This does not include the cost of extensive work to reclaim and landscape the land occupied by the existing highway and shoreline protection structures in this high-visibility area, so total costs would likely be significantly greater. The long reach of highway re-routing necessary to maintain sight and grade requirements (especially sufficient line-of-sight to see and safely avoid stopped vehicles, tourists with cameras, pedestrians, bicycles, small animals, and other obstacles which might interfere with the safe passage of traffic) also introduces issues of safety, liability, implementation time, traffic disruption, environmental and social impacts, and landscaping. The alignment of this section of highway is already limited by coastal topography and constructing a new segment of highway along an alignment mauka of the existing highway would involve extensive acquisition of land. This land would be removed from agricultural use, and may be of considerable value due to its coastal location and the importance of the cane-haul road (which parallels the highway) to Pioneer Mill's daily operations.

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#### 4. AFFECTED ENVIRONMENT.

4.1 Environmental Setting. The island of Maui was formed by two volcanic domes, Haleakala and Puu Iki, separated by a central plain of lowland consisting of overlapping lava flows. Haleakala, the East Maui volcano, is 10,025 feet high and 33 miles across. The West Maui volcano, Puu Iki, is roughly one-half the size of Haleakala. Eruptions which built most of these two volcanoes ended sometime around the early Pleistocene Epoch, or about 0.8 to 1.3 million years ago. Many smaller phases of volcanism have occurred in recent geologic times (within the last 10,000 years) with local eruptions on Haleakala as late as about 1750. The relative sizes of mountains, in addition to the occurrence of deeply incised amphitheater headed valleys on the West Maui volcano, indicate this volcano became dormant before Haleakala. Both volcanoes have lava flows which characteristically dip gently seaward at about twelve degrees.

The study area is a narrow strip of coastline on the southwest coast of West Maui and is characterized by a rocky headland and cobble beach.

4.2 Climate. Maui has a stable temperature regime, marked by seasonal variation of rainfall, persistent surface winds from the northeast quadrant and the rarity of severe storms. Monthly average temperature is 75 degrees Fahrenheit with a range of around 7 degrees between the warmest month, August, and the coldest month, February. Rainfall averages below 20 inches annually with June being the driest month. Hurricanes with winds greater than 75 miles per hour rarely affect the Launiupoko area. However, tropical storms may pass through close enough to produce heavy rain and strong winds. Humidity at Lahaina is 60 to 70%, with wet season humidities averaging slightly higher than the dry season.

Trade wind conditions dominate the Hawaiian Islands weather pattern, resulting in a prevalence of partly cloudy skies with brief showers in the mountain areas. Storm conditions usually result from a breakdown of the normal circulation of the trade winds and are relatively infrequent. Storms typically occur during the autumn and winter months; however, intense local convection storms of short duration can occur at any time of the year.

Three classes of disturbances produce major storms in Hawaii: cold fronts, low pressure passages, and true tropical storms or hurricanes. Cold fronts occur about one to eight times during the winter and cause spotty rainfall and gusty winds. Low Pressure ("Kona") storms occur during the winter and are characterized by strong and persistent southerly and south westerly winds and intense rainfall. Hurricanes are infrequent, but tropical storms with winds below hurricane force are more prevalent and pass close to the Hawaiian Islands on the average of once every three years. Tropical storms generate very strong winds and intense rainfall.

Final EA for Shoreline Protection at Launiupoko

Page 9

**4.3 Oceanography.** The waters off the project site are generally calm, but the coast is exposed to direct wave attack by large storm waves from the south to southwest. Of particular concern are waves associated with Kona storms, which approach from the southwest or west with periods of 8 to 10 second and heights of 10 to 15 feet, and large southern swells with periods of 14 to 22 seconds.

Coastal currents in the Lahaina area (which includes the Launiupoko study area) are induced largely by tides. The currents generally parallel the shore, setting northerly with the ebbing tide and southerly with the flooding tide. At certain times, particularly during periods of strong trade winds, the current sets north regardless of the tide.

The last field inspection of the site was conducted by Stanley Boc, a Coastal Hydraulic Engineer from the U.S. Army Engineering District (Honolulu), on March 23, 1994. Mr. Boc's report (dated 21 April 1994, attached) stated:

Physical evidence shows that the dominant littoral drift in this area is from south to north. This is evidenced by the sand fillet immediately on the south side of the rubble structure in Launiupoko Beach Park. Occasional reversals in the littoral drift are evidenced by the small sand beach that is located immediately at the north end of the park revetment. This small beach has remained stable since the construction of the revetment in the park.

The Lahaina coastal area is subject to tsunami inundation and run-up ranging from 7 to 12 feet was recorded for two tsunamis which occurred in 1946 and 1960.

4.4 Terrestrial Resources. The project area was previously disturbed by removal of the original littoral (shoreline) vegetation at or prior to the time of construction of the coastal highway. The surface stratum along the shoulder of the highway is coarse fill material. Vegetation along this strip consists of grasses, weeds and other ground cover species. The intertidal zone is comprised of basalt boulders and cobbles. The use of this area by shore birds is likely to be very limited.

Mr. Boc stated (by phone) the pavement was already undercut and the highway would not survive a major storm. His report described the site terrain as follows:

The existing scarp is nearly vertical with a rock talus slope at the toe. For practical purposes the near vertical scarp is acting as a seawall which has high wave energy reflection characteristics. Under these conditions, the small sand beach [at the north end of the existing park revetment] has remained stable. The small sand beach exists in this area because of a wave energy shadow at the location which is probably caused by the offshore reef topography. A cobble beach and actively eroding scarp is located immediately to the west.

**4.5 Marine Resources.** The nearshore substrate is predominantly basalt boulders and cobbles. This zone extends approximately 30-40 meters off shore. Merging with the boulders, through a transition zone of sand and rubble, is a bottom of consolidated reef rock. Beyond the surf break are limestone hummocks with numerous rubble and sand-filled depressions.

Final EA for Shoreline Protection at Launiupoko

Page 10

Fleshy algae dominate the nearshore boulder bottom. Algal cover approaches 90%, Dictyota divaricasta, Hypnea cervicornis and Gracilaria spp, Enteromorpha sp. and ulva spp. are common. Encrusting coralline algae, mostly Porolithon spp., contribute about 15% cover. Corals are sparse, comprising a few scattered colonies of Pocillopora meandrina, P. damicornis, Porites lobata and Montipora vertucos.

Fish are not abundant in the shallow-nearshore boulder zone. Surgeon fishes (Acantharidae) epecially Acanthurus triostegus, and butterfly fishes (Chaetodontidae) are most common. Schools of goat fish (Mulloides vanicolensis) and juvenile mullet (Mugil cephalus) also inhabit this zone.

- 4.6 Endangered and Threatened Species. Endangered humpback whales (*Megaptera* novaengliae) are resident in the waters off Maui during the winter breeding season. The threatened green turtles (*Chelonia mydas*) and endangered hawksbill sea turtles (*Eretmochelys imbricata*) are present in the nearshore waters of west Maui.
- 4.7 Water Quality. Nearshore waters are classified "A" in Department of Health water quality regulations. Sand and silt agitated by wave action makes shallow water murky. Underwater visibility improves over the deep sand bottom offshore.
- **4.8 Air Quality.** The ambient air quality is relatively pristine because of the relatively small human population and lack of industrial pollution in the area, however the passage of traffic on the adjoining Honoapiilani Highway contributes a small amount of exhaust fumes and dust.
- **4.9 Noise Quality.** The project site immediately adjoins Honoapiilani Highway, and vehicular noise is evident from passing vehicles.
- 4.10 Archaeological/Historical Resources. No sites listed or eligible for listing in the National Register of Historic Places are located within the project area. Cultural resource investigation associated with this project include library research, a field reconnaissance, and photographic and notational documentation. The archaeological reconnaissance survey of the proposed project site was conducted by a U.S. Army Corps of Engineers staff archaeologist on 30 August 1990. The reconnaissance included intensive visual inspection of eroded shoreline escarpments near the present roadway and the nearshore beach. Hand facing of three escarpment sections was also performed to facilitate archaeological determination of stratigraphic sequence along the shoreline. Examination of the nearshore beach was not possible because it is covered with basalt cobbles and pebbles to an unknown depth. No evidence of *in situ* cultural deposits and/or cultural sediments were found in the beach escarpments nor along the beach in the project area.
- **4.11 Recreational Resources.** The main body of Launiupoko Wayside Park is located immediately south of the study area. The park is a popular picnic site for both local residents and tourists. A man-made shallow protected cove within the park is filled with sand, and does not appear to be useful for swimming or wading.

Final EA for Shoreline Protection at Launiupoko

Page 11

Printed 5/9/94

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#### 5. ENVIRONMENTAL CONSEQUENCES.

The contractor will control potential adverse environmental effects and provide independent monitoring, including but not limited to air and water quality, landscaping, ecological balance, effects on plant, animal, and human life and welfare, visual aesthetics, noise, resources of archaeological, historical, and/or cultural significance, and solid waste disposal. The contractor will submit an Environmental Protection / Monitoring Plan (EP/MP) indicating compliance with all Federal, State, and County environmental quality standards and with Section 01430 ("Environmental Protection") of the project Specifications.

- 5.1 Environmental Setting. The proposed action will change an eroding nearvertical boulder scarp and portions of a sandy and rock beach to a sloping rock revetment. The revetment will not significantly alter the environment other than in the immediate project vicinity. Natural resources and human use of surrounding areas will be generally unaffected. Failure to protect the shoreline (no action) will allow wave erosion to damage or destroy the coastal highway.
- **5.2 Terrestrial Resources.** Project construction will require removal of most of the present (very sparse) vegetation seaward of the existing roadway, and will displace any associated wildlife. Any landscape features damaged will be restored in compliance with the project Specifications (Section 01430, paragraph 3.3) and the contractor's EP/MP. The completed revetment will prevent further landward erosion.

The small beach between the existing park revetment and the proposed revetment and the shoreline along the park are unlikely to adversely affected by this action. The report of the Corps' Coastal Hydraulic Engineer (S. Boc, attached) stated:

The proposed revetment is a wave energy absorbing structure with low reflection characteristics. Since the proposed structure is less reflective than the existing condition, it follows that the small beach area will remain stable and may accrete over time. In addition, the end of the proposed revetment and the existing County Park's revetment will provide for a headland effect for the small sand beach area which will also further stabilize the beach.

**5.3 Marine Resources.** Project construction is not expected to have any significant impacts on the marine environment. Turbidity effects will be controlled to the maximum practical extent as indicated below under 5.5 Water Quality to prevent the degradation of surrounding waters and minimize the impact on the marine environment. Shoreline organisms (e.g., intertidal snails or crabs) present at the project site may be displaced or crushed by project construction; however, the new revetment will provide an improved, stable, rocky habitat with numerous interstices for recolonization by other shoreline organisms.

Final EA for Shoreline Protection at Launiupoko

Page 12

Printed 5/9/94

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- 5.4 Endangered and Threatened Species. No impacts are anticipated on any candidate, proposed or listed species. Although endangered humpback whales are resident in Hawaiian waters during the winter breeding season, and threatened green turtles and endangered hawksbill turtles are present in nearshore waters around Maui, it is unlikely that any of these species would be affected by placement of the proposed shoreline protection revetment at Launiupoko.
- 5.5 Water Quality. Small, localized, transient increases in turbidity may be created by excavation and setting of stones under the preferred alternative, but no longterm effects on water quality are anticipated under any of the project alternatives. The contractor's EP/MP will comply with Section 01430 of the Specifications (including independent water quality monitoring in compliance with paragraph 3.1.4.2) and with all Federal, State, and County water quality standards, including, but not limited to, HAR Chapter 11-54 (especially §11-54-08) and applicable Department of Health Clean Water Branch requirements. Monitoring shall include turbidity and enterococci, with baselines established before the initiation of any construction activity and daily before construction work begins. The geometric mean for enterococci counts shall not exceed 7 per 100 ml from 5 equally spaced samples over a 30-day period, and construction shall be immediately ceased and a warning sign posed if a single count exceeds 35 per 100 ml. Best management practices shall be employed, including avoiding excavation work during periods of high water and deployment of a silt curtain or appropriate containment as necessary to prevent the degradation of surrounding waters. Construction activities shall cease upon appearance of a silt plume (or any time the turbidity limit of 10 NTU within 300 feet of construction operations is exceeded) until the condition is corrected.
- **5.6** Air Quality. Exhaust gases from construction equipment or dust from transport and handling of construction materials near the construction area may cause a temporary reduction of air quality at the project site during construction. The contractor will use best management practices to monitor and implement control activities to minimize air quality impacts in compliance with all Federal, State, and County water quality standards and with Section 01430 (paragraph 3.1.6 - 3.1.6.4) of the project Specifications.
- **5.7 Noise Quality.** There will be temporary, localized increases in ambient noise due to operation of heavy equipment during the rubblemound revetment construction. These will be controlled in compliance with paragraph 3.1.7 of Section 01430 of the project Specifications and HAR 11-43.
- **5.8 Traffic.** Construction activities along the shoreline may cause temporary interference with traffic flow along the coastal highway. Public use of the park will not be restricted. Upon completion, the revetment will reduce the possibility of disruption due to road closure caused by wave and storm surge damage.

Final EA for Shoreline Protection at Launiupoko

Page 13

Printed 5/9/94

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- 5.9 Archaeological/Historical Resources. Although a 1990 archaeological reconnaissance survey of the project area by a U.S. Corps of Engineers staff archaeologist found no evidence of cultural resources in the project area, subsurface examination of the nearshore beach was not conducted due to its heavy cover of basalt cobbles and archaeological monitoring will be required during all subsurface work for the duration of the contract. The contractor shall submit an Archaeological Monitoring Plan in compliance with the provisions of Subsection 3.1.3 of Section 01430, of the project Specifications and 36 CFR Part 800.11(a). This should include a contingency plan indicating that, should artifacts of archaeological or cultural significance be uncovered during construction activities, all activities that may damage or alter such resources shall cease and the State Historic Preservation Division office will be immediately contacted. Upon completion of construction activities, the Archaeological Monitor will prepare a final report presenting the results of the monitoring program and submit two copies to the State Historic Preservation Division Division.
- **5.10 Recreational Resources.** The construction of the revetment could present a temporary nuisance to users of the adjacent Launiupoko Wayside Park. This will be mitigated to the maximum practical extent, as noted on the previous page (especially 5.5 5.6 above). Construction access to the project site will be from the highway and the north end of the park, <u>not</u> across the public use areas of the park. These activities could create additional noise and possibly occasional temporary increases in airborne dust, but will not necessitate park closure or interfere with public uses of the beach on the south end of the park or the picnic area. The completed rubblemound structures will not impair shoreline access but will transform the eroding boulder scarp to a sloping man-made revetment.
- **5.11 Community Effects.** Section 122 of the River and Harbor Act of 1970 supplements the provisions of the National Environmental Policy Act of 1969 and requires Corps projects to consider at least 17 special possible adverse economic, social and environmental effects relating to any proposed project, the cost of elimination or minimizing such adverse effects, and the need for flood control, navigation and associated actions. The minimum list of 17 "effects" includes desireable regional growth, employment/labor force, local governmental finance, business and industrial activity, displacement of people or farms, desirable community growth, population, public services, public facilities, aesthetic effects, community cohesion, noise, air pollution, water pollution, natural resources, and man-made resources. The last 5 of these categories have been discussed above. For the remaining categories, project effects are expected to be neutral or positive:

Final EA for Shoreline Protection at Launiupoko

Page 14

- Desireable regional growth: negligible effect, but significantly reduces the probability of disrupting access to or from the West Maui region by tourists, area residents, and those who work in West Maui.
- Employment/labor force: provide small community employment benefit, and significant benefit by preventing disruption of travel to places of employment.
- Local governmental finance: estimated costs of \$1 million, shared approximately equally by state and federal government; minimal or no cost to local (county) government.
- Business and industrial activity: project will reduce the probability of disruption by possible road closure; minor traffic disruption during construction period.

Displacement of people or farms: no displacement or density-related effects.

Desirable community growth: no effect.

Population: no effect.

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- **Public services:** provide a significant public benefit by reducing the potential for disruption of emergency services by possible future road closure. Grubbed material and rocks will be utilitzed other than by disposal at County landfills.
- **Public facilities:** possible slight diminishment of air and/or water quality at the park during the construction period; improved public safety by eliminating the likelihood of injury to park or highway users due to failure of the highway shoulder after completion.
- Aesthetic effects: project will improve shoreline appearance and permit the concrete roadside safety barriers to be removed.

Community cohesion: no effect.

Page 15

#### 6. MITIGATION MEASURES.

**6.1** Care will be exercised to insure that no contamination of the marine environment results from construction activities. Actions will be taken to avoid water quality impacts, including avoiding unstable slopes slumping into the water, grading properly to mitigate erosion runoff, and assuring that no debris, petroleum products or other deleterious material is allowed to fall, flow, leach or otherwise enter the water.

**6.2** Construction activities will be confined mainly to the shoreline area with little in-water work. Excavation of materials seaward of the existing scarp will be conducted so as to minimize turbidity. As far as is practicable and feasible, necessary excavations in the intertidal zone will be conducted during low tide conditions to minimize turbidity effects. A silt curtain or appropriate containment will be deployed as necessary to prevent the degradation of surrounding waters.

**6.3** Best management practices will be utilized to minimize construction impacts on air and water quality.

**6.4** Construction materials will be relatively free of silt or other fine particulate material.

**6.5** Although no evidence for the presence of *in situ* cultural resources was recorded during the reconnaissance, ongoing archaeological monitoring will take place at the revetment toe during construction. This monitoring program will be conducted because prehistoric cultural deposits are commonly found at Hawaii locations similar to the project site and the presence of basalt cobbles and pebbles along the shoreline prevented prior subsurface investigation of the revetment toe area. Should suspected cultural deposits be uncovered, all work in the subject area will cease, the State Historic Preservation Office will be immediately contacted, and the area will be protected from further disturbance.

**6.6** The contractor shall submit a written environmental protection plan as specified in Section 01430 of the project Specifications indicating the requirements imposed by applicable federal, state, and county laws, regulations, and permits and the means by which those requirements will be met and mitigation measures implemented.

6.7 Archaeological, water, air, and noise monitoring will be conducted during construction by an independent, government-approved contractor to verify compliance with federal, state, and county requirements. Such monitoring will include water quality monitoring for turbidity and *enterococci* bacteria in compliance with EPA and Department of Health Clean Water Branch requirements.

Final EA for Shoreline Protection at Launiupoko

Page 16

Printed 5/9/94

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#### 7. ENVIRONMENTAL ASSESSMENT FINDINGS.

The following list responds to factors which could constitute significant adverse effects on the environment as indicated in Article II, Part II of the Rules and Regulations of the Planning Commission of the County of Maui.

- <u>Involves an Irrevocable Commitment to Loss or Destruction of any Natural or</u> <u>Cultural Resources</u>: The project site is a previously-disturbed area with no natural or cultural resources
- at risk and minimal impacts. Habitat for shoreline organisms will be improved.
  2. <u>Significantly Curtails the Range of Beneficial Use of the Environment</u>: Public access and use of the project area will be slightly improved. This use would
- Public access and use of the project area will be slightly improved. This use would not curtail or infringe upon the use of the surrounding environment as a park, except for slightly diminished air and water quality during the construction period.
- 3. <u>Conflicts with the County or State's Long-Term Environmental Policies or Goals</u>: The proposed action is intended to protect the shoreline along Honoapiilani Highway from continued erosion and undercutting effects of wave action, thereby reducing the probability of road damage and eventual closure of the only improved road into West Maui. The proposed action is therefore consistent with transportation policy IV.A.2.c. of *The General Plan of the County of Maui, 1990 Update*, which seeks to "*Streamline maintenance methods for public highways to encourage a prompt response to road repair needs*". No significant adverse effects are likely to result from this work. No long-term environmental conflicts arise because there is no master plan for this area. However a master plan would be desirable to determine in advance if future hardening of the coastline is the appropriate response to long-term coastal erosion.
- 4. <u>Substantially Affects the Economic or Social Welfare and Activities of the</u> <u>Community, County or State</u>:

This is a public use to protect Honoapiilani Highway -- a vital link in Maui's transportation system -- from scour and erosion damage by wave and current action and storm surge in moderate to severe storms. This will protect resident, tourist, and emergency services access to West Maui, providing significant benefit to the social welfare and economic vitality of the community and county.

5. Involves Substantial Secondary Impacts, Such as Population Changes and Increased Effects on Public Facilities, Streets, Drainage, Sewerage, and Water Systems, and Pedestrian Walkways:

Proposed usage is a beneficial improvement to protect existing infrastructure; no significant adverse effects are probable nor anticipated. There will be minor, temporary disruptions of traffic during construction. No public-use facilities, pedestrian walkways, or other public facilities or functions will be impaired or obstructed by the completed revetment.

Final EA for Shoreline Protection at Launiupoko

- 6. In Itself has no Significant Adverse Effect but Cumulatively has Considerable Effect upon the Environment or Involves a Commitment for Larger Actions: This project involves a commitment to future maintenance of the revetment over the estimated 50 year life of the structure, with a Corps estimated average annual maintenance cost of \$ 6,400 (approximately 2% of the initial construction cost to quarry and place the armor stone section of the revetment structure, estimated in the Section 14 Reconnaissance Report, 29 August 1991, p. 21) at October 1990 price levels. Escalating an estimated 10% yields about \$ 7,000 at 1994 price levels.
- 7. <u>Substantially Affects a Rare, Threatened, or Endangered Species of Animal or</u> <u>Plant, or Its Habitat</u>:

No impacts are anticipated on any candidate, proposed or listed species. Although endangered humpback whales are resident in Hawaiian waters during the winter breeding season, and threatened green turtles and endangered hawksbill turtles are present in nearshore waters around Maui, it is unlikely that any of these species would be affected by placement of the proposed shoreline protection revetment at Launiupoko (Section 5.4). There are no known rare, threatened or endangered plant species on the site.

- 8. <u>Substantially and Adversely Affects Air or Water Quality or Ambient Noise Level</u>: There will be minor short-term impacts on air quality and ambient noise level during construction. After completion, air and water quality will be unaffected.
- 9. Substantially Affects an Environmentally Sensitive Area, such as Flood Plain, Shoreline, Tsunami Zone, Erosion-Prone Area, Geologically Hazardous Land, Estuary, Fresh Waters or Coastal Waters: A rubblemound revetment at the site would provide erosion protection for

Honoapiilani Highway in the Launiupoko area. The sloped face would absorb wave energy, yielding possible sand accumulation at the structure toe. Rubblemound revetments have been constructed at several sites on Maui and have functioned satisfactorily under extreme sea conditions. Sloped rubblemound revetments allow access to the water and are generally acceptable to the public. The proposed project minimizes impacts and potential risks to natural, human, and cultural resources, and no long-term environmental conflicts are likely to result from actions related to this work. Shoreline organism habitats will be improved.

10. <u>Substantially Alters Natural Land Forms and Existing Public Views to and Along</u> the Shoreline:

Ocean views across the project site will be unaffected. Site improvements will provide an improved area for pedestrian viewing of the ocean and allow highway barriers to be removed, improving line-of-sight from the highway to the ocean.

Final EA for Shoreline Protection at Launiupoko

Printed 5/9/94

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# 8. PROJECTED CONSTRUCTION TIMETABLE AND COSTS.

The preliminary schedule for project completion (DoT/Highways Project # 30C-02-92) assumes final approval of all permits by June of 1994, allowing the project to go out for bid before the end of June 1994. Allowing 90 days to issue a contract (Sept. 94), 45 days to issue a Notice to Proceed (Nov. 94), and 180 days for construction results in project completion by June of 1995.

Construction is expected to cost about \$ 1 million in 1994 dollars.<sup>2</sup> Federal participation under Section 14 of the Flood Control Act of 1946, as ammended, is subject to an overall limitation of \$ 500,000. The balance of project costs will be borne by the State of Hawaii, Department of Transportation, Highways Division. If additional shoreline protection is provided for the area between the two primary areas to be protected, such additional work is expected to be borne exclusively by the State.

#### 9. SUMMARY OF RELATED SUBMISSIONS

- Draft Environmental Assessment (EA) submitted to OEQC on November 24, 1993. EA summary (Negative Declaration Anticipated) was published in the December 8th OEQC Bulletin, beginning the 30-day public comment period. All EA copies delivered or postmarked to review agencies on the master distribution list (by ECM or DLNR/OCEA) not later than December 17, 1993. The EA public comment period was extended by request to 45 days, ending January 22, 1994.
- Shoreline Survey Map submitted to State Surveyor on December 1, 1993 and certified January 27, 1994 (by DAGS Survey Division and the Chairperson of DLNR); the Notice of Certification was published in the February 8th OEQC Bulletin (p. 28) and became final February 23, 1994 (14-day appeal deadline).
- Conservation District Use Application (CDUA) submitted to DLNR/OCEA December 9, 1993 and formally accepted for processing February 4, 1994, beginning a 180-day review and approval process which ends August 3, 1994. DLNR has scheduled this application for the June 24th board (BLNR) meeting. The decision is expected to be made at the meeting; official notification will take about a month longer.
- Special Management Area (SMA) Use Permit and Shoreline Setback Variance (SSV) combined applications were submitted to Maui Planning on December 22, 1993 and the SMA and SSV were approved at the May 10, 1994 public hearing of the Maui Planning Commission. The staff report concluded this activity qualifies for a SSV "as described in Chapter 5, Rules of the Maui Planning Commission, SS 12-5-16 (6)", that it "will accomplish State and County goals of maintenance of the transportation system", that it "shows no strong potential to have significant adverse environmental or ecological effect", and that mitigation measures would be required in the approval conditions.

Final EA for Shoreline Protection at Launiupoko

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<sup>&</sup>lt;sup>2</sup> This is based on a U.S. Army Corps of Engineers estimate of \$ 898,000 presented on Table 1 of the Section 14 Reconnaissance Report, 29 August 1991, page 15, at October 1990 price levels. Escalating costs by 10% to approximate June 1994 price levels yields about \$ 988,000. This figure has been rounded to \$ 1 million.

#### 10. AGENCY RESPONSES.

<u>Comments to Federal EA</u> (1991): No objection to the FONSI or EA findings were received in response to the Army Corps of Engineers submission of a draft federal EA to the following agencies on May 2, 1991 (complete responses are attached in the appendix; person signing letter, nature of response, and date listed below):

U.S. Fish & Wildlife Service (Robert Smith - no response)

DLNR / Historic Preservation (William Paty - comments 6/10/91)

DLNR / OCEA (William Paty - reviewed & responded with no comment 6/27/91)

DLNR / Aquatic Resources (Henry Sakuda - responded with no comment 5/17/91)

National Marine Fisheries Service (John Naughton - comments 5/21/91)

OEQC (Brain Choy - reviewed & responded with no comment 5/29/91)

DoH (John Lewin - review & comment 6/3/91 by Bruce Anderson, EMD/CWB)

Office of State Planning Coastal Zone Management Program (Doug Tom - review & comments 6/10/91 by Harold Matsumoto)

Hawaii DoT / Highways (Robert Siarot - responded with no comment 5/20/91)

<u>Comments to Draft State EA</u>: The Draft State EA was distributed to the agencies on the attached EA / CDUA Distribution List in December 1993. Responses were received from the following agencies (complete responses are attached in the appendix):

Hawaii DLNR / Division of State Parks (Ralston Nagata, stamped "No Comments", to R. Evans, DNLR/OCEA, 12/21/93)

Hawaii DLNR / Division of Forestry and Wildlife (Carl Masaki - stamped "No comments or objections to the proposed request", to R. Evans, DNLR/OCEA, rec'd OCEA 12/27/93)

Hawaii Department of Business, Economic Development and Tourism, Land Use Commission (Esther Ueda, unsigned, conveyed by letter from Mufi Hannemann, - confirmed State Land Use Conservation District, 12/27/93)

Hawaii Dept. of Accounting and General Services, Survey Division (Stanley Hasegawa - to B. Miskae, Maui Planning - no objections; shoreline certification dates, 1/28/94)

Maui Dept. of Fire Control (Ronald P. Davis - reviewed & comments, 12/28/93)

Hawaii DLNR / Commission on Water Resource Management (Rae M. Loui - comments to R. Evans, DNLR/OCEA, by D. Higa, 12/30/93, file SMA-16)

Hawaii DLNR / Division of Water and Land Development (Manabu Tagomori stamped "No objections specific to DOWALD programs", to R. Evans, DNLR/OCEA, 1/3/94)

Maui Electric Co., Ltd. (Edward Reinhardt - no objection, by Dan Takahata, 1/5/94)

Hawaii DLNR / State Historic Preservation Division (Don Hibbard - comments by A. Griffin, 1/6/94, log 10410, doc. 9401AG05)

Final EA for Shoreline Protection at Launiupoko

- Hawaii DLNR / Division of Land Management, Maui District (Alan Tokunaga no comments, to R. Evans, DNLR/OCEA, via W. Mason Young, 1/8/94)
- Hawaii Dept. Of Hawaiian Home Lands (Holiku L. Drake no objections, no direct impacts on comments, to R. Evans, DNLR/OCEA, 1/8/94)
- Hawaii DLNR / Division of Aquatic Resources (Richard Sixberry comments to R. Evans, DNLR/OCEA, via P. Kawamoto AREP, 1/10/94, file SMA-16)
- U.S. Department of the Interior, Geological Survey, Water Resources Division (William Meyer, no comments, 1/18/94)
- Hawaii Dept. of Land and Natural Resources (Keith W. Ahue acceptance for processing, findings, and conditions, 2/4/94, file MA-2/4/94-2699)
- Maui Planning Department (Brain Miskae comments on accepting agency and rights-of-entry, 2/14/94; attached review comments from Keith Ahue summarizing DLNR department comments, 2/15/94)
- Maui Dept. of Public Works and Waste Manaement (George N. Kaya, no comments from Engineering, Wastewater Reclamation, or Land Use and Codes Divisions, comment from Solid Waste Division, 3/1/94)
- Maui Dept. of Parks and Recreation (Charmaine Tavares comments, questions, and potential objections, 3/7/94)

Natural Resources Defense Council (Susan Miller - "unable to comment" 12/20/93) Environmental Legislative Network (requested removal from mailing list, 12/21/93)

# 11. <u>CONCLUSION / NEGATIVE DECLARATION.</u>

The proposed rubblemound revetment is not a major action significantly affecting the quality of the environment. It is a long-anticipated action with a compelling public interest: the protection of Honoapiilani Highway, the only improved road into West Maui. This highway is unlikely to survive a major storm without sustaining damage, and unplanned closure of even a single lane could create significant disruptions to the community. Should such disruptions occur at an inopportune time -- such a following a hurricane when emergency services are required -- there could be significant social costs and a disruption of essential emergency services. A Finding of No Significant Impact (FONSI) was previously prepared and distributed by the U.S. Honolulu Engineer District in August 1991 (attached) without objection. A Negative Declaration from the State of Hawaii, Department of Transportation, Highways Division, Maui District is attached.

Page 21

Printed 5/9/94

#### CEPOD-ED-PH

#### 21 April 1994

#### MEMORANDUM FOR RECORD

SUBJECT: Launiupoko Shore Protection: Littoral Processes and Proposed Structure Efforts on Launiupoko Beach Park

1. Authority: The shore protection study is authorized under Section 14 of the Flood Control Act of 1946 as amended.

2. Purpose: Honoapiilani Highway is being immediately threatened from wave activity along two sections for a total of approximately 500 feet. A field inspection of the site held on 23 Mar 94 indicated that the erosional scarp was beginning to impact the ocean edge of the highway pavement. There is no longer any buffer between the storm waves and damage to the Honoapiilani Highway. The proposed revetment will harden the shoreline along the project site and will protect the highway.

3. Coastal Processes: Physical evidence shows that the dominant littoral drift in this area is from south to north. This is evidenced by the sand fillet immediately on the south side of the rubble structure in Launiupoko Beach Park. Occasional reversals in the littoral drift are evidenced by the small sand beach that is located immediately at the north end of the park revetment. This small beach has remained stable since the construction of the revetment in the park.

4. Existing Without Project Condition: The existing scarp is nearly vertical with a rock talus slope at the toe. For practical purposes the near vertical scarp is acting as a seawall which has high wave energy reflection characteristics. Under these conditions, the small sand beach has remained stable. The small sand beach exists in this area because of a wave energy shadow at the location which is probably caused by the offshore reef topography. A cobble beach and actively eroding scarp is located immediately to the west.

5. With Project Condition: The proposed revetment is a wave energy absorbing structure with low reflection characteristics. Since the proposed structure is less reflective than the existing condition, it follows that the small beach area will remain stable and may accrete over time. In addition, the end of the proposed revetment and the existing County Park's revetment will provide for a headland effect for the small sand beach area which will also further stabilize the beach.

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STANLEY BOC Hydraulic Engineer

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#### FINDING OF NO SIGNIFICANT IMPACT

#### LAUNIUPOKO SHORE PROTECTION MAUI, HAWAII

#### AUGUST 1991

1. DESCRIPTION OF THE PROPOSED ACTION. In a response to a request from the State of Hawaii, Department of Transportation, construction of shore protection revetments are proposed for two reaches totalling 500 feet of shoreline fronting the Honoapiilani Highway at Launiupoko. These reaches have been eroded by waves, threatening the coastal highway. The proposed rubble-mound revetment would consist of an underlayer of 50 to 150-pound stones, placed over plastic filter cloth to prevent leaching of sub-base materials through the underlayer voids, and a single layer of keyed and fitted 1,000 to 2,500-pound armor stones.

2. BASIS FOR FINDING. The following factors were considered in the environmental assessment in making a determination that an environmental impact statement is not required for the action.

2.1 The project area has been previously disturbed by construction of the coastal roadway. The project site is not a wetland, special aquatic site, municipal water supply area, marine sanctuary or wildlife refuge.

2.2 The sloping revetment would not prevent human access to the shoreline. Revetment construction would require removal of most or all of the present vegetation seaward of the roadway, but it would protect landward resources from future wave erosion. Environmental effects of project construction on the marine environment would be localized and transitory; no significant long-term effects on water quality are anticipated. Some shoreline organisms would be destroyed or displaced by project construction, but the new revetment would provide stable rocky habitat for colonization by other organisms. The proposed project is not expected to affect any species which is a candidate, proposed or listed as threatened or endangered under the Endangered Species Act of 1973, as amended. A 1990 archaeology reconnaissance survey of the project area by a Corps staff archaeologist found no evidence for any cultural resources in the project area, and no

impacts on any cultural resources are anticipated. Local increases in noise and air pollution may occur near the project site during construction, but these effects would be temporary. Construction activities may temporarily affect traffic flow along the coastal highway, by the completed project would reduce the possibility of future closure of the highway due to wave action. The project would enhance and help safeguard the human environment.

2.3 The project includes measures to avoid or minimize adverse environmental impacts. Care will be exercised to insure that no contamination of the marine environment with petroleum products or other deleterious material results from construction activities. As far as is practicable and feasible, any necessary excavations in the intertidal zone will be conducted during low tide conditions to minimize turbidity effects in the marine environment. Construction materials will be relatively free of silt or other turbidity-producing materials. The construction contract will include suitable provisions to assure the proper handling and preservation of any cultural resources encountered during project construction.

3. FINDING. Based on the findings in the "Environmental Assessment for Shore Protection at Launiupoko, Maui, Hawaii", the U.S. Army Corps of Engineers finds that the proposed shore protection project does not constitute a major Federal action significantly affecting the quality of the environment. An Environmental Impact Statement will therefore not be prepared for this project.

MURATSUCHI

Lieutenant Colonel, EN Commanding

#### Honoapiilani Highway Shoreline Protection at Launiupoku

#### **Draft Environmental Assessment Distribution List**

The following is a distribution list of those contacted during the preconsultation, draft preparation and submission phase, or during other consultation regarding the Environmental Assessment (EA) process. Listed agencies / groups / individuals have received a copy of the preconsultation (federal) EA and/or draft EA (from the Army Corps of Engineers, ECM, or DLNR/OCEA). Those agencies also provided with an Army Corps of Engineers "Section 14 Reconnaissance Report" (with the EA and FONSI as Appendix A) during the May 1991 preconsultation draft federal EA distribution are marked with an "\*". Copies of all responses received are included in a following section.

#### FEDERAL AGENCIES

U. S. DEPARTMENT OF AGRICULTURE Soil Conservation Service P.O. Box 50004, Room 4316 Honolulu, Hawaii 96850 Att'n: State Conservationist Phone: 541-2600

#### DEPARTMENT OF THE INTERIOR

U. S. Fish and Wildlife Service Office of Environmental Services 300 Ala Moana Boulevard, Room 6307 Honolulu, Hawaii 96813 Attn: Robert Smith, Field Supervisor Phone: 541-2749

#### U. S. Geological Survey Water Resources Division 677 Ala Moana Blvd. #415 Honolulu, Hawaii 96813 Attn: William Meyer, District Chief Phone: 541-2653

#### U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Federal Activities 75 Hawthorne St. San Francisco, CA 94105 Attn: Dr. Jacqueline Wyland (E-4)

Honoapiilani Highway Shoreline Protection at Launiupoku Environmental Assessment Distribution List

Contacts - 1

ECM # 93-065 Printed 5/9/94

#### ARMY DIRECTORATE OF PUBLIC WORKS Engineering Branch, Planning Division U. S. Army Support Command, Hawaii Fort Shafter, Hawaii 96858-5000

Phone: 656-2941

#### U.S. DEPARTMENT OF COMMERCE

National Marine Fisheries Service Pacific Area Office - Southwest Region 2570 Dole Street Honolulu, Hawaii 96822-2396 Attn: John Naughton, Pacific Islands Env. Coord. Phone: 955-8831, fax 949-7400

#### HAWAII STATE AGENCIES

#### OFFICE OF STATE PLANNING

Harold Masumoto, Director
 P.O. Box 3540
 Honolulu, Hawaii 96811

Land Use Division P.O. Box 3540 Honolulu, Hawaii 96811 Phone: 587-2886

#### DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM 250 South King St., 9th Floor

Honolulu, Hawaii 96813 Mufi Hannemann, Director Phone: 586-2355

#### Land Use Commission 335 Merchant Street, Room 104 Honolulu, Hawaii 96813 Phone: 587-3822

#### DEPARTMENT OF HEALTH

Dr. John Lewin, Director
 P.O. Box 3378
 Honolulu, Hawaii 96801
 Phone: 586-4337

Honospiilani Highway Shoreline Protection at Launiupoku Environmental Assessment Distribution List

Contacts - 2

ECM # 93-065 Printed 5/9/94

in ntal Management Division Vater Branch htc front Plaza N\_jana Blvd., Suite 250C u, Hawaii 96813 A izumi, Chief 5-5-4304,6 in ntal Council th-King Street, 4th floor u, Hawaii 96813 5 5-4185 **bf** Environmental Quality Control he , Director th King Street, 4th Floor u-Hawaii 96813 5\_5-4185 E I OF LAND AND NATURAL RESOURCES (DNLR copies of Conservation & Environmental Affairs distributed directly inchbowl Street, Room 131 by DLNR/OCEA) u, Hawaii 96813 587-0377 Forestry & Wildlife inchbowl Street, Room 325 upHawaii 96813 5,7-0166 n 🔐 Forestry & Wildlife (Maui) ig St., 1st floor i, Hawaii 96793 2:8-5352 Area Reserves System (DoF&W) 10-Plaza le Frail Program (Chris Meller) ້າ 🥰 Conservation and e Enforcement (DOCRE) h of Aquatic Resources in jbowl Street, Room 330 u, Hawaii 96813 527-0100 w/ Shoreline Protection at Launiupoku ECM # 93-065 Printed 5/9/94 Contacts - 3 aent Distribution List sci Y

ECM # 93-065

#### Printed 5/9/94

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#### UNIVERSITY OF HAWAII

Environmental Center 2550 Campus Road, Crawford 317 Honolulu, Hawaii 96822 Attn: Jacquelin Miller Phone: 956-7361

Maui Community College Library 310 Ka'ahumanu Ave. Kahului, Hawaii 96732

#### COUNTY OF MAUI AGENCIES

- Office of the Mayor 200 South High St., 9th Floor Wailuku, Hawaii 96793
- County Council (Council Services office) 200 South High St., 7th Floor Wailuku, Hawaii 96793 Attn: County Council Members & Staff

ECONOMIC DEVELOPMENT AGENCY 200 South High St. Wailuku, Hawaii 96793 Phone: 243-7710

DEPARTMENT OF PLANNING 250 South High Street Wailuku, Hawaii 96793 Phone: 243-7735

#### DEPARTMENT OF PARKS AND RECREATION 1580 Kaahumanu Avenue Wailuku, Maui 96793

Att'n: Charmaine Tavares, Director Phone: 243-7230 Fax 243-7934

DEPARTMENT OF PUBLIC WORKS

Highways Division 827 Kaohu Street Wailuku, Hawaii 96793 Phone: 243-7869

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Honoapiilani Highway Shoreline Protection at Launiupoku Environmental Assessment Distribution List

Contacts - 5

ECM # 93-065 Printed 5/9/94

Land Use and Codes Administration 250 South High Street Wailuku, Hawaii 96793 Phone: 243-7379

#### CIVIL DEFENSE AGENCY -- MAUI 200 South High Street Wailuku, Hawaii 96793 Phone: 243-7285

#### MAUI FIRE DEPARTMENT

200 Dairy Road Kahului, Hawaii 96732 Attn: Chief Ronald Davis Phone: 243-7561

#### MAUI POLICE DEPARTMENT

55 Mahalani Street Wailuku, Hawaii 96793 Attn: Chief Howard Tagomori Phone: 244-6400

#### PRIVATE SECTOR (INTERESTED / AFFECTED) ENTERPRISES

PIONEER MILL CO., LTD. P.O. Box 727 Lahaina, HI 96761 (Property within 500' - TMK 2nd 4-7-01:002)

#### MAUI ELECTRIC CO., LTD. P.O. Box 398 Kahului, Hawaii 96732 Phone: 871-9777

#### HAWAIIAN TELEPHONE COMPANY Planning Division (Maui)

P.O. Box 370 Wailuku, Hawaii 96793 Phone: 242-5108

Honospiilani Highway Shorelins Protection at Launiupoku Environmental Assessment Distribution List

Contacts - 6

ECM # 93-065 Printed 5/9/94

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**PUBLIC / COMMUNITY ORGANIZATIONS** The following organizations and individuals were offered copies for review; most declined review, all declined comment.

The Nature Conservancy P.O. Box 1716 Makawao, Hawaii 96790 Attn: Mark White, Director, Maui Preserves Phone: 572-7849

Conservation Council for Hawaii P.O. Box 2923 Honolulu, Hawaii 95802

Enviromental Legislative Network 1030 Aoloa Pl. #102B Kailua, Hawaii 96734

Hawaii Audubon Society 212 Merchant St. #320 Honolulu, Hawaii 96813

Natural Resources Defense Council Hawaii Office 212 Merchant St. #203 Honolulu, Hawaii 96813 Phone: 533-1075

Life of the Land 19 Niolopa Pl. Honolulu, Hawaii 96817 Phone: 595-3903

Sierra Club Hawaii Chapter (Maui) P.O. Box 2000 Kahului, Hawaii 96732 Att'n: Mary Evanson, Conservation Chair

#### INDIVIDUALS CONSULTED

Dick Mayer Economics Department Maui Community College Kahului, Hawaii 96732 Phone: 242-1274

Honospiilani Highway Shoreline Protection at Launiupoku Environmental Assessment Distribution List

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Contacts - 7

ECM # 93-065 Printed 5/9/94

#### **Comments Received**

to

**Corps Draft Federal** 

**Environmental Assessment** 

and

### Finding of No Significant Impact (FONSI)

(Distributed May 1991)

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 $\Box$ WULLE IN MIT, CHARLENG Lifts w. and beneficial from the from t 1344JM The EA is correct in stating that no sites listed or determined to be eligible for listing on the Mational Register of Historic Places are found within the potential area of impact. It also states that a cultural resource investigation by the Army Corps of Engineer archaeologist indicates the absence of significant historic sites. We concur with this finding and, therefore, determine that the proposed undertaking will have "no effect" on significant historic sites. However, the EA also states that no examination of the mearshore beach was conducted because of the existing rubble. Because of the possibility of the presence of subsurface cultural deposits along this beach and the anticipated excavations for revetment toe, we concur with the proposed archaeological monitoring. Fursuant to 36 CFR Part 800.11(a), we encourage your agency to prepare a plan for the treatment of historic sites that may be discovered. Thank you for submitting the draft environmental assessment for the proposed shoreline protection at Launiupoko for our review and comments. Should you have any questions about these comments, please contact Ms. Annie Griffin of our State Hi<u>stor</u>ic Preservation Division at 587-0013.  $\overline{}$ SUBJECT: Compliance with Section 106 of the Mational Historic Preservation Act - Emergency Shure Protection Launiupoko, Lahaina, Mauf THK 4-7-01 Π DEPARTMENT OF LUND AND NATURAL GESOURCES STATE HATOMC PRESERVATION DWEDON 22 20114 LING STALET, ITA FLOON 2000002, LAND MAI JUN 1 0 1999 STATE OF HAWAII Mr. Kisuk Cheung Director of Engineering Department of the Army U. S. Army Engineer District, Monolulu Building 230 Ft. Shafter, Hawali 96858–5440 WILLIAM W. PAIY, Chairperson and State Historic Preservaligh Officer Dear Mr. Cheung: Ż REF:HP-AAL Very/truly, Januar and 開始 Lennan CEPOD-ED-p' Stupplebecr CEPOD-PH Pelouski CEPCD-ED-P Fujii CEPOD-ED-2 CEPOD-ED-P files Honcrief lafm/7005 He are enclosing a draft environmental accessment of the Cheung proposed project for your review. Commonts thous he forwarde EFOD-ED to us no later than May 31, 1991. ltr26apr If you have any guestions regarding the energency mhore protection study, please do not hesitate to contact Mr. Pobert Moncrief of my planning staff at (808) 438-7005. Your attention to this matter is appreciated. We are presently completing an emergency where protection stucy at Launiupoko, Rauf, Hawili, under the authurity provided by Section 14 of the Flood Control Act of 1946, as ameneed. is ji es 蹖 U. S. ARMY ENGINEER DISTRICT, HONOLULU BULDA 20 FT. SWITEL HAVIA 98995440 200 DEPARTMENT OF THE ARMY Sincerely, \$=\$ 128 No comment letter 1991 2 Yuu: lt. Rebert Smith Ficić Supervicoz Pasitic Island Office U.S. Fish End Hildlife Servico P. O. Nox 50167 Honolulu, Hawaii 96350 nicewill . Planning Division Dear Nr. Saith: REPLY TO ATTENTION OF: j - 1 - - 1 - - 1 ŭ 

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ardy 17 to an 1999 of the service data and the service service down the data and the service service and the service se	An and The second seco	The staff of the Olvision of Aquatic Resources reviewed the draft environmental consents to offer at this time. Sincerely, Kisting ML, Administrator BIUNISION of Aquatic Resources
2	PRUMA K. A.T., CLARAFORD THE A A.T., CLARAFORD THE A A.T., CLARAFORD THE A A A A A A A A A A A A A A A A A A A	<ul> <li>Maui, Eawaii</li> <li>Maui, Eawaii</li> <li>Maui, Eawaii</li> <li>e opportunity to comment on the opportunity to comment on this matter. Please feel</li> <li>In this matter. Please feel</li> <li>office of Conservation and t you have guestions.</li> <li>M. Paty</li> <li>M. Paty</li> </ul>
	REFORMERT OF HAWAI STATE OF HAWAI STATE OF HAWAI STATE OF HAWAI RECORDER A do BI A do BI RECORDER RECOURCES A do BI RECOURCES A DO BI RECO	Dear Mr. Cheung: SUBJECT: Draft Environmental Assessment for Shoreline Protection at Launiupoko, Haui, Hawaii Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the materials you submitted and have no comments. Thank you again for your cooperation in this matter. Please feel free to call me or Roy Scheefer of our office of Conservation and Environmental Affairs, at 548-7837, if you have questions. Very truly Yooyta, Way truly Monta, Way 1111am W. Paty William W. Paty

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STATE OF HAWAII OFFICE OF ENVIRONMENTAL QUALITY CONTROL	May 29, 1991 W. Kaya Cheng Disector of Engineering Disector of Engineering Disector of Engineering Disector of Engineering 200 Engling 230 Disector 1997 MIENTION: Paraning Division MIENTION: Paraning Division	
22 MM REU 22 MM REU DUNTED STATES DEPARTMENT OF COMMERCE COMMERCE Actional Oceanic and Atmospheric Administration National Oceanic Admin	Kisuk chemy Director of Engineers Usiding 2:0 Fort Shifter, HI 36859-5440 Dar Kr. Cheuny: Dar Kr. Cheuny: The National Marine Fisheries Service (MFS) has received the fract Shifter in 36859-5440 Dar Kr. Cheuny: The National Marine Fisheries Service (MFS) has received the protection at Launupoko, Maui, Hawai Which was attached to your protection at Launupoko, Maui, Hawai Which was attached to your protection at Launupoko, Maui, Hawai Wali Marine Kaland Dictor of May 9, 1991. We have revised the EA and offer the protection at Launupoko, Maui, Hawai Wali Marine Protection at Launupoko, Maui Haran Marine Fisheries for the neurshore and providing rocky habitat with there a liternative of a suppling rubblesound revertant should breat the strand by providing trocky habitat with unserous interactions on the neurshore and revertant should breat the strand by providing the Mitgation massures specified on page 11 of the EA are followed, MFS will have no offer the strand of the EA are followed, MFS will have no protections to the proposed ensergery shoreline protection project a for the proposed massures that with the strand of the EA are followed, MFS will have no offer the strand of the EA are followed, MFS will have no protections to the proposed ensergery shoreline protection project a strand. A Mandhron Britis the strand of the SA are followed, MFS will have no strandar to the proposed ensergery shoreline protection project a strandar for the strandar strandar strandar to the strandar strandar strandar strandar strandar strandar to the strandar strandar strandar strandar strandar to the strandar strandar strandar strandar strandar strandar to the strandar	13 Yests Stimulating America's Progress • 1913-1914

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of construction work during the conttruction period. Baseline data for turbidity shall be established prior to the initiation of any construction activity. The geometric mean for five (5) equally spaced samples over a 30 day period for enterococci shall not exceed 7/100 ml. A varning sign must be posted if a single enterococci count exceeds 35/100 ml and the construction shall be stopped fimediately. Proper monitoring station selection to identify the adverse impact to the receiving water and protect human health from recreational activity in and on the waters is also required. Public uses and access to the Launiupoko Mayside Park shall not be restricted during the construction period. Best mangement practice must be exercised to minimize the airborne dust. Comments on this draft EA does not preclude the requirement for a Section 401 Mater Quality Certification under Section 401 of the Clean Mater Act and all other required federal, state, and county permits or approvals.  $\Box$ Should you have any questions or need more information, please contact Mr. Edward Chen. Engineering Section of the Clean Water Branch, at telephone 543-8309. Arung Kinduner Ar JOHN C. LEHIN, M.D. Director of Health Very truly yours,  $\Box$ .  $\Box$  $\Box$ Mr. Kisuk Cheung June 3, 1991 Page 2 ÷ 4.  $\Box$ • • la resh. skase reler ke Filei ENDACIVIB MI C. LEWIL M.D. Ref No. 91-2-159X The Launiupoko Nayside Park is located immediately south of the proposed project area (as identified in item Mo. 4.11). A man-made shallow protected cove within the park is a popular swimming and wading area for young children. The park is also a popular picnic site for both local residents and tourists. As identified in item 4.1. the orean currents generally parallel the shore, setting northerly with the ebbing tide and setting southerly with fooding tide. It is essential that a silt curtain or appropriate and prevent the depined that a silt curtain or appropriate and prevent the depined to on the value and setting southerly with fooding tide. It is essential that a silt curtain or appropriate and prevent the depined to on desisting receiving water quality. For human health concerns in and on the water, a comprehensive monitoring plan must be established. C0601EC The Department of Health appreciates the opportunity to comment on the subject document transmitted by your letter dated May 9, 1991. The Department has no objections to the proposed shoreline repair project or your selection of the preferred alternative, provided that the following concerns are adequately addressed: ද 6 Draft Environmental Assessment (EA) for Shoreline Protection at Launiupoko, Maui, Mawaii STATE OF HAWAII DEPARTNENT OF HEALTH P. O. Sex 221 HORGULL MEAL MARK June 3, 1991 Director of Engineering Planning Division Department of the Army U.S. Army Engineering District, Honolulu Building 230 Ft. Shafter, HI 96858-5440 Dear Mr. Cheung: Subject: Kisuk Cheune ... The state 

2. The monitoring plan should at least cover the construction and post-construction periods. Parameters to be monitored should include, but not be immited to, turbidity and enterococci bacteria. Samples should be taken daily prior to the initiation

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ינים אינטער אונער אונער אינטער אינער אי אינער אינער אינ	заражнос . С.			L. L	Hr. Kisuk Cheung Director of Engine	Deportment of The Srmy U.S. Army Engineer Di Fr. Shofter. Howoil 969		-		Very truly y	
יין, קרי האור איז	CEO ED-P	OFFICE OF STATE PLANNING Office of the Governor server accommendation minor manager Ref. No. P-2026	June 10, 1991 1. Turn PHer 2. To PU M	Mr. Kisuk Cheung Director of Engineering U.S. Anny Engineer District,	Department of the Army Building 230 Ft. Shafter, Hawaii 96858-5440	Attention: Mr. Robert Honcrief	Dear Mr. Cheung:	We have reviewed the draft Environmental Assessment (EA) for the proposed emergency shore protection project at Launiupoko, Maui, and have the following comments.	The proposed activity will require Coastal Zone Management (CZM) consistency approval From the Office of State Flanning since the project will directly affect the CZM area.	The EA does not contain any structural or occanographic engineering data to substantiate whether the proposed revenment would serve its intended purpose. In addition, on page 5, the revenment's finished scaward face slope is said to be 1.0 vertical on 3.0 horizontal, while Figure 3 indicates the slope will be 1V/2H. This discrepancy should be corrected.	The Office of State Flanning (OSP) is currently considering the feasibility of private marina developments in this section of Haul's coastline. Mulie the precise location of the proposed project is difficult to ascertain from the Project Site Map (Figure 2), the EA notes on page 9 that the Launiupoko Mayside Park is located immediately south of the study area. The proposed shoreline protection project appears to be located exactly in the same proposed shoreline protection project appears to be located exactly in the same proposed shoreline protection project appears to be located exactly in the same proposed shoreline protection project appears to be located exactly in the same proposed shoreline protection. The development of this marina structure and quite possibly a realignment of the highway. Thus, continuing consultations with OSP and the Department of threshoretion would be advisable before the proposed project is developed much further.

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sincerely, <u>Harold S. Mesucolo</u> Harold S. Hasuroto Director

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#### **Comments Received**

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**Draft State** 

**Environmental Assessment** 

(Negative Declaration Anticipated)

(Distributed December 1993)

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DEC 20 10 So .... 'S DEPARTMENT OF LAND AND NATURAL RESOURCES Office of Conservation and Environmental Affairs Honolulu, Hawaii

FILE ND.: SM-16 SUSPENSE DATE: Three weeks DDC. ND.: 3890 060 17 1990

HUTIWHICH COM L L L L L L

رتی Aquatic Resources; Conservation & Resources Enforcement; Forefiry & Wildlife: Historic Preservation; Land Management; State Parks; Mater Occuission; Mater and Land Development, Boating and Ocean Pecreation

Pager C. Buns, Aministrator Office of tropervation and Divinomental Affairs HEN: JU:

Request for Authorization from the Department to Process a Observation District Use Application Located on State-Owned Lands suarect:

All Conservation District Use Applications (CUDs) must be signed by the landomer prior to the submission of the application to the Department. Applications involving the use of State lands require the signature of the Chairperson on behalf of the Board of Land and Natural Resources (unless the applicant has a legal interest in the land).

please review the attached application and concent with respect to your division's present and future programs. Your commuts will then be forwarded to the Chairperson for consideration on whether to sign as landowner on this COR. (Note: the Chairperson's signature on the application does not constitute the Department's endorsement of the proposed use). Ħ

General information regarding the attached application is provided

AFFLICANT: Department of Transportation, Highways Division

DDM, Inc. - Charles WILTED KGDT1:

12 International Action PROPOSED USE: Shoreline Protection LADOMER: STATE OF HWALL

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LOCATICN: Launiupoko, Maul

RECEIVED

Attachment(s)

.: S:9-16 3 DMTE: Three weeks .: 3890 WL RESOURCES COmmental Affairs . . DOFXY HAS NO COMMENTS OR OBJECTIONS TO THE PROPOSED REQUEST Cler I reals Alinh h

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"93 DIC 17 P3:41

RECEIVED

sources Enforcement; Forestry E Wildlife; Historic Preservation: Land Munagement; State Parks; Water Openicsion; Water and Land Development, Boating and Ocean Recreation

Roger C. Dudns, Adainistrator Ofsice of Degenvation and Environmental Affairs ä

Request for Authorization from the Department to Process a Conservation District Use Application Located on State-onned Lands SUBJECT:

All Conservation District Use Applications (CUMs) must be signed by the landower prior to the submission of the application to the Department. Applications involving the use of State lands require the signature of the Obsirperson on behalf of the Board of land and Natural Resources (unless the applicant has a legal interest in the land).

please review the attached application and comment with respect to your division's present and future programs. Your comments will then be forwarded to the Chairperson for consideration on whether to sign as landower on this OUM. (Note: the Chairperson's signature on the application does not  $\frac{1}{120}$  constitute the Department's enforcement of the proposed use).  $\frac{1}{120}$ 

General information regarding the attached application is provided belond

RECEIVED 27 PM 2:56 AFLICANT: Department of Transportation, Highways Division OC ACDT: ECH, Inc. - Charles Willson

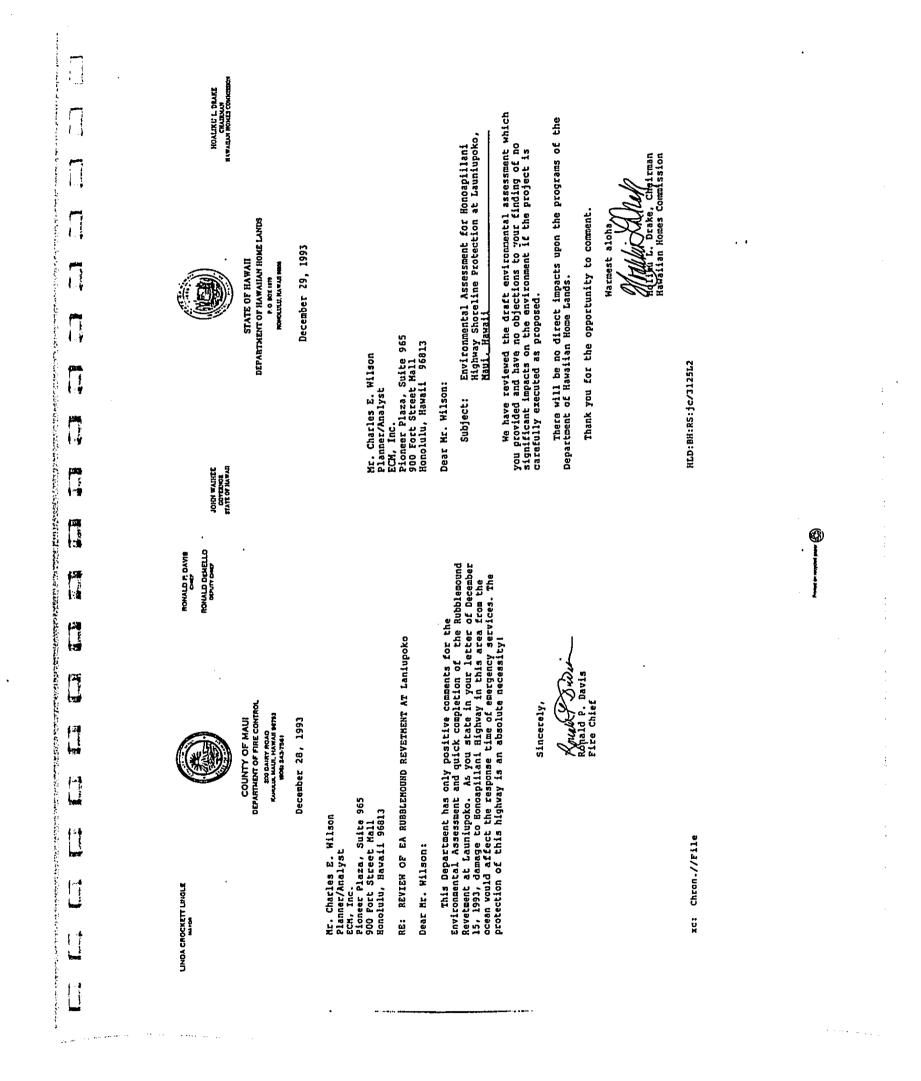
LADONER: STATE OF HAWALI

PROPOSED USE: Storeline Protection LOCATION: Launiupoko, Paul

4-7-01: 17 14: Thank you for your cooperation in this matter. <u>PLENE RETURN MIL</u> <u>ATTACRPENTS</u>. If no response is received by the <u>supprise date, we</u> will assume Unite are no comments. Should you have any questions, or need additional time, please contact Sam Lerro at 7-0377.

Attachment(s)

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DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

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December 29, 1993

Mr. Charles E. Willson Planner/Analsyt ECM, Inc. 900 Fort Street Mall Honolulu, Hawaii 96813

Dear Mr. Willson:

The Department of Business, Economic Development & Tourism is pleased to submit the enclosed comments on the Draft Environmental Assessment for Honospillani Highway Shoreline Protection at Launiupoko, Maui. The comments were provided by the Land Use Commission. Questions regarding these comments may be directed to Esther Ueda, LUC Executive Officer, at 587-3826.

Thank you for the opportunity to comment.

Sincerely,

Mun Hannemann

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ESTINGER (EDA)

STATE OF HAVAII DIZAUDIENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOTALES LAND USE COMMILISSION Man INCOMFAND BANK 133 SIMMA SAM TANDAMA SAM

December 27, 1993

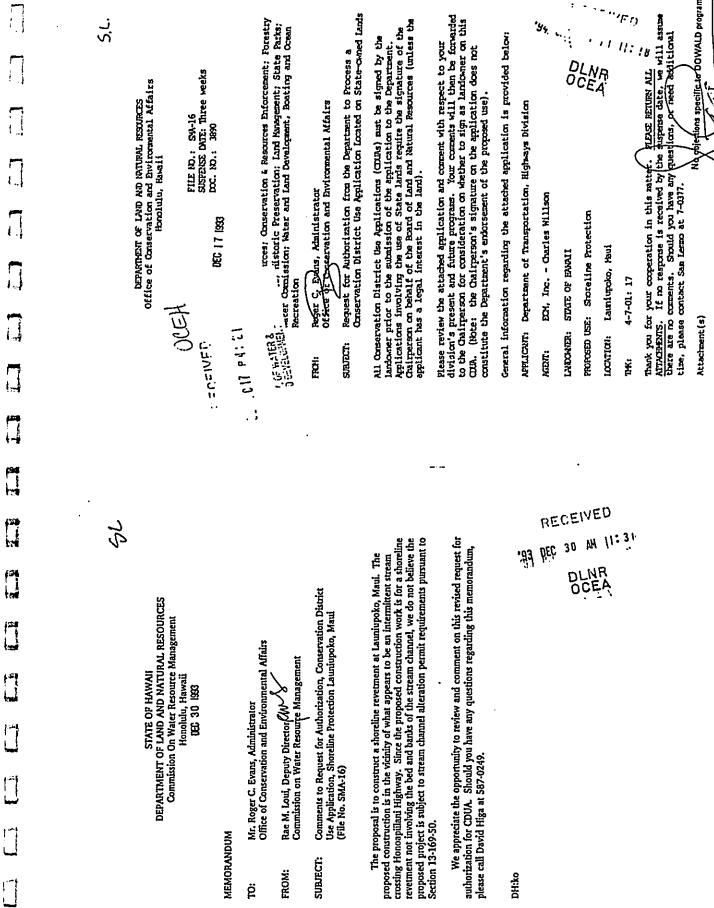
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SUBJECT: Director's Referral No. 93-369-G Draft Environmental Assessment (EA) for Honoapillani Highway Shoreline Protection at Launiupoko, Maui, Hawaii

We have reviewed the subject draft EA and confirm that THK 4-7-01: 17 is in the State Land Use Conservation District. We have no attents

We have no other comments to offer at this time. EU:km

Enclosure



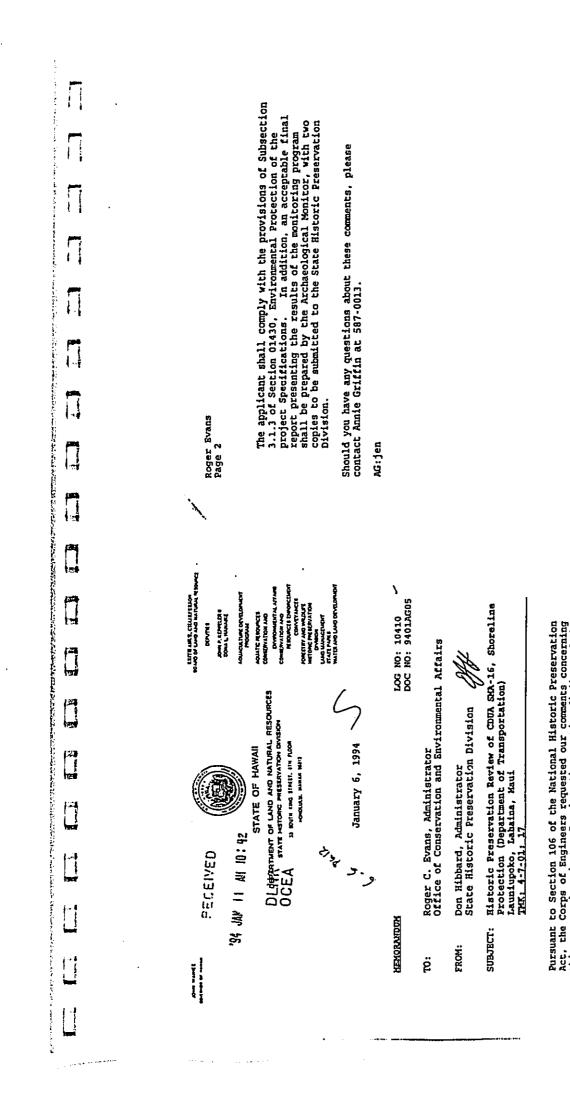
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ns specific terboWALD programs.

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ANABU TAGQMOR



Pursuant to Section 106 of the National Historic Preservation Act, the Corps of Engineers requested our comments concerning this proposed project. Based on the negative findings of the archaeological study conducted by the Corps of Engineers, we concurred with their determination that the proposed shoreline protection will have "no effect" on historic sites. However, due to the possibility of encountering subsurface cultural deposits during excavations, we execommended that a contingency plan be prepared for the treatment of inadvertently discovered historic sites.

Item H on page 6 of this application refers to a section (Section 01430, Environmental Protection) of the project Specifications. We requested a copy of this section from the applicant for our review. Item 3.1.3 of Section 01430 states that an archaeologist will monitor all excavation phases and describes the procedures to be undertaken if historic sites are identified. We find the provisions acceptable; however, it appears inadequate due to the absence of the preparation of a final report. Therefore, if this attached to the approval:

4: 2:504 DELAN 2:32 FON DELAN 2:32 FON DELAN 3:32 FON DELAN  $\prod$ SANTA TANA AN ANA ANA OUCOLING BEILINGIAL SECTOR AND SECTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND SECTOR AN DOW L. NAMALE. The Maui District Land Office has no comments in regards to the subject request for authorization from the Department to process a Conservation District Use Application located on State-owned lands by the Department of Transportation, Highways Division, for shoreline protection at Launiupoko Park, Lahaina, Maui, and further identified by Tax Map Key: 4-7-01: 17. If you may have any questions, please contact this office at the above address or by telephone at 243-5352. 1 Gifter and  $\Box$ Want District Land Agent Maui District Land Agent Request for Authorization From the Department to Frocess a Conservation District Use Application Located on State-Owned Lands by the Department of Transportation, Highways Division, for Shoreline Protection at Launuupoko Park, Lahaina, Maui, Tax Map Key: 4-7-01: 17 [File No. SHA-16]. Very truly yours,  $\left[ \right]$ DEPARTMENT OF LAND AND MATURAL RESOURCES ONTON OF UND MANCING H DOTT MEN STRITT-MAN TM. IQ MANUL WITH MEN  $\Box$ STATE OF HAWAII January 8, 1994 Mr. W. Mason Young Mr. Roger C. Evans Ĵ Alan Tokunaga cc: Mr. W. Mason Young Mr. W. Kennison 384 JAK 13 M 11: 13  $\square$ RECEIVED DLNR OCEA HEHORANDUH THROUGH : SUBJECT: FROM: ä ω usui Electric Compery, Lut. • 210 West Kamehamaha Averue • PO Box 308 • Kahridi, Med. Ht 967324066 • (803) s11-545 In reviewing the information transmitted and our records, we have no objection to the subject project. This project will not affact the everieed distribution line unless the fifth alternative is the cverieed distribution of Honcapillani Eighway. For your chosen for the relocation of Honcapillani Eighway. For your information, Pioneer Mill cums the distribution line which is located on the camehaul road. This line is utilized to serve MECO customers in Olowalu based on an agreenent with Pioneer Mill. If you have any questions or concerns, please call Dan Takahata at 871-2385. Series A construction through ECM, INC. Thank you for allowing us to comment on the subject project. 1 Subject: Honcapiilani Highway Shoreline Pretection at Launiupoko Environmental Assessment Alusul Reihenst Edward Reinhardt Manager, Engineering Hr. Charles 3. Wilson Planner/Analyst ECM, Inc 485 Walale Dr. Mailuku, HI 96793 Dear Mr. Wilson: January 5, 1994 An HEI Company Sincerely, Dist 

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State of Hawaii Department of Land and Watural Resources DIVISION OF AQUATIC RESOURCES

Date: January 10, 1994

10: Paul Kawamoto, Aquatic Resources & Environmental Protection FROM:スS Richard Sixberry, Aquatic Biologist SUBJECT: Comments on Environmental Assessment, File SMA-16

Jenuery 18. 1994

United States Department of the Interior

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION 677 Alm Moanm Blvd., Suite 415 Honolulu, Hawmii 96813

**JNN 2 | 1994** 

ECM, INC.

Hr. Charles E. Villson Planner/Analyst ECH. Inc. 485 Vaiale Drive Vailuku, Havali 96793

Dear Mr. Willson:

Cocment Roger Evans, Office of Conservation Date of Date Date Requested by and Environmental Affairs Request 12/17/93 Rec<sup>1</sup>d. <u>12/20/93</u>

# <u>Summary of Proposed Project</u>

Shoreline Protection Title:

Project by: Department of Transportation, Highways Division

Launiupoko, Maui Location:

The applicant proposes to construct an emergency shoreline protection revelment for two shoreline reaches, totaling 500 feet long, fronting Honoapillani Highway at Launiupoko, Haui. Optionally, protection may also be provided for an additional shoreline segment of about 150 feet.

Although some nearshore disturbance and turbidity may occur during revelment construction, no significant long-term impact is expected from the activities proposed. Comments:

The mitigation measures recommended for the project (page 12 of the E.A.) are adequate and would limit or prevent excessive impacts to aquatic resource values. We suggest that those mitigation measures be incorporated, as conditions, into the permit process.

RECEIVED '94- JAN- 11 PH 3:11 DLNR OCEA

Ercloute

We are returning the document to your affice for your future use.

Thank you for allowing us to review this EA.

Subject: Environmental Assessment (EA) for Honoapiilani Highway Shoreline Protection at Launiupoko, Maui, Havail

We are in receipt of the subject EA. We have reviewed the subject EA and we have no comments to offer at this time.

Sincerely.

Villian Meyer / District Chief William

	Date: January 20, 1994 county Agencies: XX LUCA (3 Copies) XX Parks And Recreation Human Concerns
	Les:
	TRANSHITTAL: TO: State Agencies: XX DOH Haul XX DOH Hull — DOT Hwys
	RAINING DIRECTOR PARAMAN DIRECTOR
	COUNTY OF MAUI
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	TRANSHITTAL: Date: January 20, 1994	TO: State Agencies: xx fucA (3 Copies)	Haul		XX DLNR/HIGLF FLESV Office XX Police Dept XX DLNR/Hist Flesv Office XX Corporation Counsel XX DLNR (2 Copies)	Dept of Agriculture DOE/off of Bus Serv	XX DAGS (Survey Division) remains of Engineers Mavaijan Home Lands XX Army Corps of Engineers VV DEDRY		Dept of Labor DLMR/Aquatic Resources		Project Agest North Highways	TRANSHITTED TO YOU ARE THE FOLLOWING: XX Application XX Project Plans XX Project Plans Accessment Infrastructure Report	Environmente Shoreline Hap Draft Ordinand Unitatoral Add	THESE ARE TRANSHITTED AS CHECKED BELOW: vv for Vour Comment/Recommendation	For Your Information For Your Approval/Signature	As Requested As Requested As represents/Recommendations By <u>February 18, 1994.</u>	please supmit for comments.	If additional clarification is required please contact <u>Elizabeth</u> anderson of my office at 243-7735.	5 1- 1 At 4 0	ELYZABETH ANDERSON, Planner For BRIAN MISKAE, Planning Director		** KTWHIQU *
BRIAN W. MISKAE Manning Director				UI JAN 2 A 1934 UU	ECM, INC.	1994				s) y Revetment 03	d application(s)	tion(s) have been eview and comment e deemed complete ese agencies are	information or ition(s), ve vill ropriate Planning	nal clarification		ļ			- t-	Oris, USAnd Rul , Cheder Copy USAnd Rul , C.U. D.C.		
	· (		COUNTY OF MAUI	PLANNING DEPARTMENT ************************************	E E LE BITY MY SAVE THAUTH	Date: January 20, 199	LOS	.ve 96793		Notice of Receipt of Application(s) Project Name: Honoapillani Highway Revetment TMK: 4-7-01:017 I.D. No.: 94/SH1-02 94/SSV-03	Please be advised that the above referenced	have been received by my department. The application(s) have been transmitted to various government agencies for review and comment by February 18, 1994. Your application(s) will be deemed complete and ready for processing when comments from these agencies are	received and does not require additional information or clarification. Upon completion of your application(s), we will schedule your request(s) for action with the appropriate Planning Commission.	Thank you for your cooperation. If additional is required please contact me at 243-7735.	Very truly yours,	CLARCHER ANDERSON	Planner Vapa	F		10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Contraction of the contraction o	
 UHDA CROCKETT LINGLE Maper							Hr. Charles Willson ECH, Inc.	485 Waiale Drive Wailuku, HI 96	Dear Mr. Willson:	Re: N P T	Please be a	have been receiv transmitted to v by February 18, and ready for p	received and clarification. schedule your re Commission.	Thank you f is required plea			xc: Colleen Suyapa		a.DOTHaYS mp			

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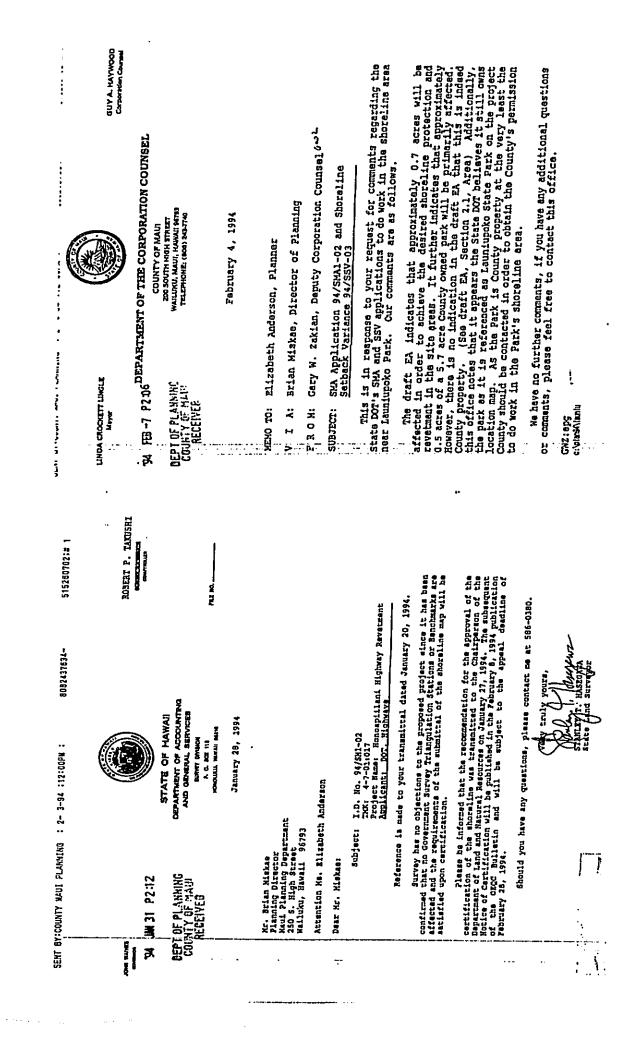
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MAUI OFFICE 485 Waide Drive Wailuku, Hawaii 96793 (808) 242-8070 fax: 244-9539 ECM, INC. Electrical, Cirll, and Mechanical Engineers Picaneer Plaza, Suite 965 900 Fort Street Mall Homoluta, Hawaii 96813 (808) 531-8070 fax: 526-0702

ECM # 93-065 February 9, 1994

County of Maui Planning Department Att'n: Elizabeth Anderson Wailuku, Hawaii 96793 250 South High Street

re: Honoapiilani Highway Shoreline Protection (Rubblemound Revetment) at Launiupoko SMA and SSV Permit Applications, EA and CDUA reviews

# Dear Ms. Anderson,

above-cited project. We would like to correctly indicate Launiupoko Wayside Park is on the applications for a SMA and SSV (as well as EA and CDUA information) on the Please allow us to add this addendum/correction to correct the misinformation supplied submission is withdrawn and resubmitted. These corrections will also appear in the through the approval process, as the federal and state funds are likely to lapse if the owned by the County, not the State so the submissions can continue to progress final version of the EA.

ref.:DYU-91:135) from DLNR/DLM signed by W. Mason Young (DLM Administrator) and approved by William W. Paty (Chairman, Board of Land and Natural Resources). 'No Comments" responses received from the Division of State Parks and the Division of The 5.697 acre Launiupoko Wayside Park is designated as Tax Map Key 2nd 4-7-01:17, and was originally set aside by Executive Order No. 2973 (May 23, 1979). The state operation. The park was incorrectly identified as state-owned in our applications based Land Management, Maui District.) Alan Tokunaga of DLM subsequently furnished a copy of Act 312 and a November 8, 1991 letter of conveyance (document # DN 6767F, discrepancy also went unnoticed in DLNR's initial review of the EA and CDUA, with "On January 1, 1992, the estate, right, title, and interest, and any appurtenance thereto Honolulu, which provided a certified copy of the tax assessment history printout sheet subsequently deeded the park to the County in fee under Section 2.(d)(2) of Act 312: for TMK: 2nd 4-7-01:17 on September 22, 1993, incorrectly indicating the State of Hawaii as the owner this property for assessment years 1992 and 1993. (This ... Launiupoko state wayside ... shall be vested in the County of Maui." Thus this on information provided by the Tax Maps Section of the Department of Finance in transfer included park equipment, vehicles, employees, and other elements of park This documents the County's ownership of the park.

The Corporation Counsel opinion (from Gary W. Zakian, Deputy Corporation Counsel, obtained to do the work inside the park. We wish to request that permission on behalf February 4, 1994) to Planning states that the permission of the County should be of Highways Division to continue with these necessary measures to prevent the hpe lof 2 Update laiveraning for SMA and SSV Applications for Homoopilloni Highway Shoreline Protestica at Lanampole

destruction and closure of Honcapiilani Highway in the Launiupoko area. Over the last 14 years the recorded shoreline receded over 65 feet on portions of the first shoreline reach and over 45' on some portions of the second reach, so the importance of this action is clear.

Note: The Corp. Counsel opinion also refers to the labeling of the park on the maps. Bccause Figure 2: USGS Vicinity Alap is based on the 1983 USGS map (Lahaina quadrangle), the park will continue to be shown as "Launiu Poko State Park" [sie] on We can remove the word "State" from the Corps site map, which was completed prior to the transfer.) this map.

We suggest Highways be allowed to make the Negative Declaration (insofar as the work inside the park is contiguous with work inside the highway right-of-way), with the County signing off in concurrence with that finding. Gary Zakian indicated the Corp. determination if it would be accepted by County Parks or by Planning. Submission of the final EA is expected at the end of February, once these legal issues are resolved. Council will review appropriate legal formats for this. DLNR could still be the accepting agency, if this is agreeable to the County. If not, we would request a

The applicant and location information on the application is as follows: State of Hawaii, Department of Transportation

Highways Division, Maui District Kahului, Maui, Hawaii 96732 650 Palapala Drive Phone: 877-5061

Phone: 242-8070 fax: 244-9539 Wailuku, Hawaii 96793 Submitted by Authorized Agent: 485 Waiale Drive ECM, Inc.

ECM, Inc. (Attn: Charles Willson) Phone: 531-8070 fax: 526-0702 900 Fort Street Mall, Ste 965 Please direct questions to: Honolulu, HI 96813

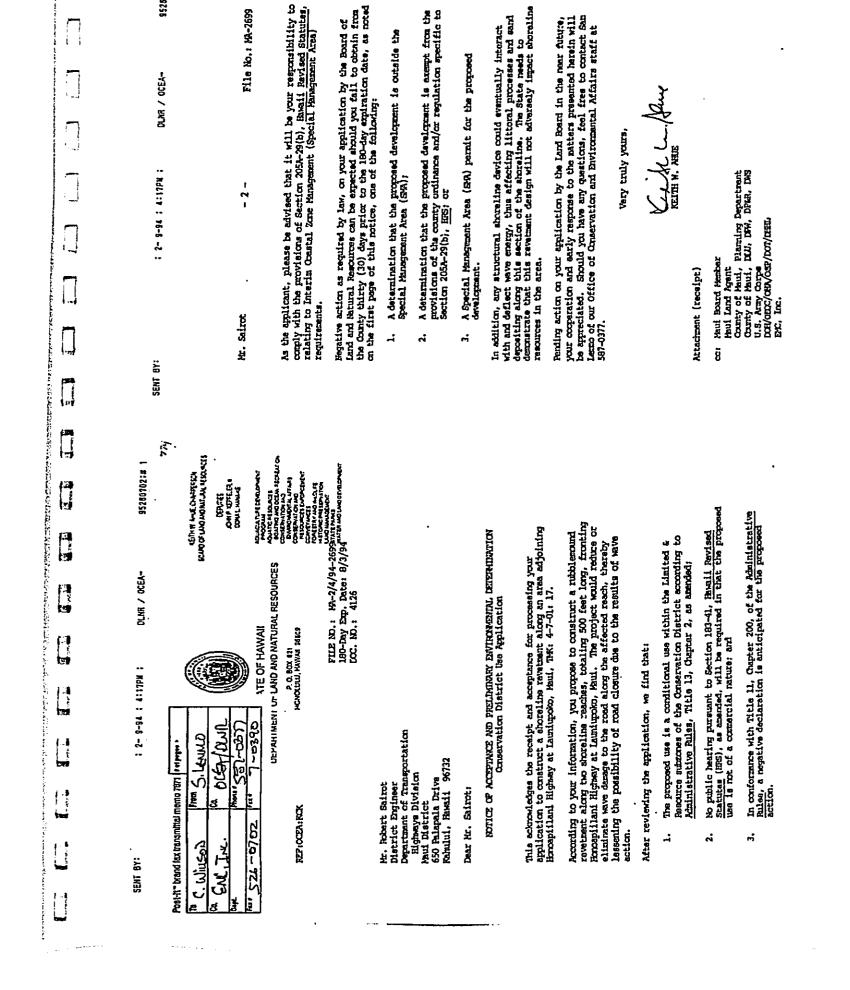
Location: Honospiilani Highway right-of-way and Launiupoko Wayside Park, Launiupoko District, between Honcapiilani Highway pavement and shoreline.

Thank you for allowing us to set the record straight,

Charles E. Willson Charle, ECM, Inc.

Planner / Analyst

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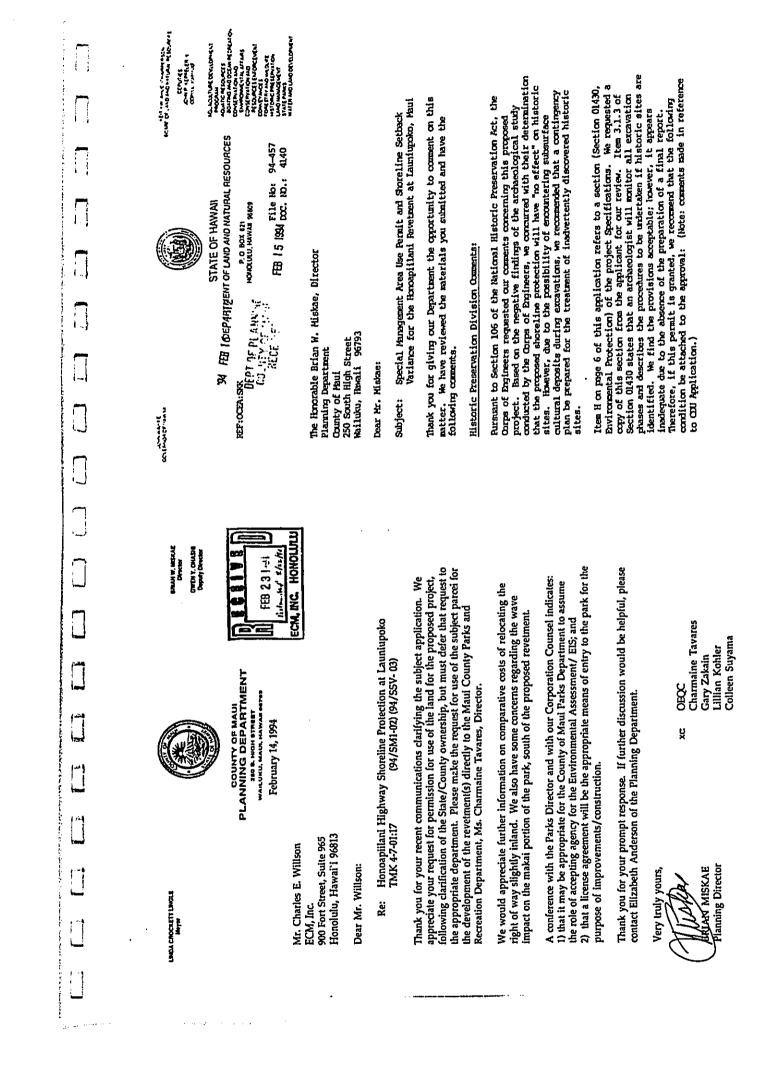
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File No.: M-2699



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Hr. B. Miskae -2- File No.: 94-457

The applicant shall comply with the provisions of Subsection 3.1.3 of Section 01430, Environmental Frotection of the project Specifications. In addition, an acceptable final report presenting the results of the monitoring program shall be prepared by the Archeeological Environ, with two copies to be submitted to the State Historic Preservation Division.

# Division of Aquatic Resources Coments:

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Although some nearshore disturbance and turbidity may occur during revelopent construction, no significant long-term impact is expected from the activities proposed.

The mitigation measures recommended for the project are adequate and would limit or prevent excessive impacts to aquatic resource values. We suggest that those mitigation measures be incorporated, as conditions, into the permit process.

# Comission on Water Resource Management Coments:

The proposed construction appears to be in the vicinity of what appears to be an intermittent stream crossing Homozpiilani Highway. Since the proposed construction work is for a shoreline reverant not involving bed and banks of the stream channel, we do not believe that the proposed project is subject to stream channel alteration requirements pursuant to 13-169-50.

# Office of Conservation and Environmental Affairs Coments:

We are currently processing a Conservation District Use Application for the subject reveluent project.

According to the Department of Transportation, Highways Division, the proposed shoreline protection is necessary to avoid further damage to the Horcopilland Highway.

If the revenant alternative is pursued, our major concern has to do with beach/shoreline processes. Based on past experience, it is likely that any structural shoreline device will eventually interact with and deflect wave energy, thus affecting littoral processes and sand deposition along the shoreline. The State must, therefore, demonstrate that this revenent design will not adversely inpact beach/shoreline processes in the area.

Hr. B. Histae –3– File No.: 94–457

Additionally, we note that Section (205A-2(9)(c)) of the Hawall Ravised Statutes recommends that the construction of erosion protection structures seaward of the shoreline should be minimized.

Thank you for your cooperation in this matter. Please feel free to contact Sam Lemmo at our Office of Conservation and Environmental Affairs, at 587-0377, should you have any questions.

Very truly yours, keitth N.<sup>1</sup>ahue NA NA ,

cc: B/C, Inc.

	Mr. Charles Wilson Page 2 of 2 March 1, 1994	<ol> <li>Comments from the Land Use and Codes Administration: This division has reviewed this submittal and has no comments at this time.</li> </ol>		o gonder H. KAY Director of Public Works & Waste Management	RMM:ey xc: L.U.C.A. Engineering Division Solid Maste Division	maxlewaler rectampired of services as a service as comparing									
	RALPH MAGAMINE, L.S., P.E. LLAN UNA AN COMMINE, L.S., P.E. WERTWINE RECOMMEND LLOTTO FOR ALLER, P.E. LLOTTO FOR ALLER, P.E. Scientification Dominin BRUM MASSIMAL, P.E. BRUM MASSIMAL, P.E. HIGWERT DOMININ	10 100 1 100 100 100 100 100 100 100 10	ECM. INC. HONOLULU		OH AT LAUNIUPOKO	Assessment Draft			d has no coments	vision:	and has no comments		bbed material and sposed of at the	lid Maste Division	<b>9</b>
والمحمد	COUNTY OF MAU	AND WASTE MANAGEMENT 200 SOUTH HOM STREET WALLINU, MAUL HAWAE 55793	March I, 1994	lgon Suite 965 th Mall 96813	Environmental Aggessment Draft HONOAPIILANI HIGHMAY SHORELINE PROTECTION AT TMK: 4-7-1:17	: 	He have reviewed the subject cuvilloumentar reducing and have the following comments:	Comments from the Engineering Division:	This division has reviewed this submittal and has no comments at this time.	Comments from the Mastewater Reclamation Division:	has reviewed this submittal	Comments from the Solid Waste Division:	Alternative means of disposal of grubbed material rock shall be utilized other than disposed of at County landfills.	The applicant is requested to contact the Solid Mast at 243-7875 for additional information.	
γ, μη τη βουριά γραγιματικά του Παριστροποιού του αυτορικό του του αυτορικό του του αυτορικό του του αυτορικό τ	LINDA CROCKETT LINDLE MAPPE GEORGE N. KVYA GEORGE N. KVYA CHARLES J. ENCO DEPENDEN MARKAR SHINHOLO, P. E. CAM SHINHOLO, P. E. CAM SHINHOLO, P. E.			Nr. Charles Wilson ECM, INC. Pioneer Plaza, Suite 900 Fort Street Mall Honolulu, HI 96813	SUBJECT: Enviro HONOAP THK:	Dear Mr. Wilson:	We have reversed	1. Comments fr	This division at this time	2. Comments fr	This division at this time.	3. Comments fi	a. Alter rock Counti	The applic at 243-787	

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TEL:808-245-7954 . DEPT OF PARKS



PARKS AND RECREATION COUNTY OF MAUI

February 22, 1994

Office of Environmental Quality Control Central Pacific Plaza Suite 400 220 South King Street Honolulu. Hawaii 96813 Brian J. J. Choy, Director

Dear Mr. Choy:

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR HONOAPIILANI HIGHWAY SHORELINE PROTECTION AT LAUNIUPOKO • MAUI, HAWAII (November, 1993 revised)

The State of Hawaii represented in the above referenced Draft EA that the State is the lesses of record of Launiupoko Wayside Park. Please be advised that this park vras conveyed to the County of MBui by Executive Order No. 2973, effective January 1, 1992, and there is no record of any lease by the County to the State for this park.

The Department of Parks and Recreation, County of Maui, was not on the list of agencies to review the State's application for the aforementioned project. As this park is now the responsibility of the County of Maui. Department of Parks and Recreation, I would like to offer comments regarding the impact this project may have on the Launiupoko Wayside Park.

1. Scope of the Project

shoreline erosion, probably as a result of the wave action around the existing rock reverment in the park. How will the project affect this area that already exists in Launiupoko Park. Will the project address the protection of the shoreline within that 300 feet? There already is some The southernmost area involves 300 feet to the rock revetment of shoreline?

2. Impact to Launiupoko Park

What are the temporary and permanent impacts to the park? I understand that this construction project will need access through the park. How much of the park will be unusable during construction and for how long? I am concerned about the permanent impacts to the park if the shoreline is hardened north of the park boundary.

14L :4U8-243-7434 UEPI UP PHKKS

17:24 No.010 F.02

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Brian J.J. Choy. Director Office of Environmental Quality Control February 22, 1994 Page Two

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DENCE MICHAEL A. DAVIS Depci Dence Myw CHARMANE TAVAES LINDA CROCKETT LINGLE

3. Net ative Declaration

I do not recommend a negative declaration for this project. An EIS should be required unless the issues are resolved in the Draft EA.

I would like to meet with the representatives from ECM and the State Department of Transportation as soon as possible to discuss the park concerns raised. They will each receive a copy of this letter and I will be contacting them to set up a meeting.

Sincerely,

Department of Parks and Recreation County of Maui derning Sauce Charmaine Tavares, Director Ø

State Department of Transportation - Highways Robart Siarot, Maul District Engineer CC: Charles Wilson, Project Coordinator ECM, Inc.

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PARKS AND RECREATION

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

March 7, 1994

Office of Environmental Quality Control

Brian J. J. Choy, Director

Central Pacific Plaza Suite 400 220 South King Street

Honolulu, Hawaii 96813

Director MICHAEL A. DAVIS Depary Director (100) 243-7230 FAX (100) 243-7230 MJ74 CHARMAINE TAVARES LINDA CROCKETT LINGLE

Brian J.J. Choy, Director Office of Environmental Quality Control March 7, 1994

Page Two

3. Negative Declaration

I do not recommend a negative declaration for this project. An EIS should be required unless the issues are resolved in the Draft EA.

I have met representatives from ECM and the State Department of Transportation at the site. Some of the concerns raised have been addressed and another meeting will be scheduled with the Army Corps of Engineers and with the consultant's engineers to address other concerns. I will send a letter following the next meeting as to the revised position of the parks department on the three areas stated in this letter.

DRAFT ENVIRONMENTAL ASSESSMENT FOR HONOAPIILANI HIGHWAY SHORELINE PROTECTION AT LAUNIUPOKO - MAUI, HAWAII (November, 1993 revised)

SUBJECT:

Dear Mr. Choy:

The State of Hawaii represented in the above referenced Draft EA that the State is the lessee of record of Launiupoko Wayside Park. Please be advised that this park was conveyed to the County of Maui by Executive Order No. 2973, effective January

1992, and there is no record of any lease by the County to the State for this park.

Parks and Recreation, I would like to offer comments regarding the impact this project may have on the Launiupoko Wayside Park.

1. Scope of the Project

As this park is now the responsibility of the County of Maui. Department of

The Department of Parks and Recreation does understand that this project is essential to providing a safe arterial to and from the West Maui area and we will work cooperatively with the state on this project.

desarent kiner Sincerely. 0

Department of Parks and Recreation County of Maui **Charmaine Tavares, Director** 

CC: Charles Wilson, Project Coordinator ECM, Inc.

understand that this construction project will need access through the park. How much of the park will be unusable during construction and for how long? I am concerned about the permanent impacts to the park if the shoreline is hardened north of the park boundary.

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What are the temporary and permanent impacts to the park? I

2. Impact to Launiupoko Park

that already exists in Launiupoko Park. Will the project address the shoreline within that 300 feet? There already is some shoreline erosion, probably as a result of the wave action around the existing rock revetment in the park. How will the project affect this area of shoreline?

The southernmost area involves 300 feet to the rock revetment

Robert Siarot, Maui District Engineer State Department of Transportation - Highways

GEORGE R. ARIYOSHI GOVERNOR OF HAWAII



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#### STATE OF HAWAII

DIVISIONS: Converances Fism and game Porietht Land Management State Parks Water and Land Development

DEPARTMENT OF LAND AND NATURAL RESOURCES RUCH HONDEX HONOR File N P. O. BOX 62: Expire Honolulu, Hawaii 96609

File No.: MA-2/18/77-912 Expiration Date: 8/17/77

May 27, 1977

Board of Land and Natural Resources State of Hawaii Honolulu, HI

Gentlemen:

Conservation District Use Application for Public Recreational Use at Launiupoko, Lahaina, Maui

APPLICANT: Division of State Parks Department of Land and Natural Resources State of Hawaii

USE REQUESTED: Dredging and shoreline revetment reconstruction.

LOCATION: Submerged lands adjoining TMK 4-7-01: 17 (Launiupoko State Wayside).

AREA OF PARCEL: Not applicable.

SUBZONE: General Use.

DESCRIPTION OF AREA:

Launiupoko State Wayside (TMK 4-7-01: 17) is located along and makai of Honoapiilani Highway (H-30) and approximately 3 miles south of Lahaina towards Olowalu on the island of Maui. The grid coordinates are N-20°-50'-40" and W-156°-39'-20" (see Attachment #1). It is a portion of land originally acquired from Pioneer Mill Company by the State of Hawaii for highway purposes and is, today, a remnant parcel of Honoapiilani Highway under executive order to the Department of Transportation.

The parcel was improved and is maintained by the Division of State Parks, Department of Land and Natural Resources as part of the State Park and Wayside System. The Wayside is a 4 to 5 acre park which includes improvements such as a parking lot, comfort station, picnic tables, barbecue grills, drinking fountains, shower, landscaping and a protected ocean wading pool. The improvements were constructed in stages since 1963 by the State Parks Division.

Park usage is high. Currently, there is an attendance rate of 20 to 40 thousand per month with peak periods during summer and winter. The 1974 attendance was 331,000; 1975 was 311,000;

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Board of Land and Natural Resources

and during the first six months of 1976, it was 193,000. Most users are picnickers, sunbathers and fishermen. Use of the wading pool has been restricted by the siltation and stagnant waters.

Elevations range from the coral reef (-4.0 ft. MLLW) to the level of the park and highway (+7.0 ft. MLLW). The breakwater and revetment are 6.0 ft. MLLW high with notched openings at -1.0 ft. MLLW. The wading pool varies from -3.0 ft. to +1.0 ft. MLLW with much of the approximately 3,200 sq. ft. area being above sea level (0.5 ft. MLLW).

Soil immediate to Honoapiilani Highway is classified as WxB, described as Wainee very stony silty clay, 3 to 7% slope, subject to slow runoff and slight erosion. As is evidenced by the land use mauka of the highway, this type of soil is used for sugar cane.

The beach is composed of sand and shell debris with minute amounts of gray-black silt from decaying organic vegetation within the stagnant wading pool.

There is no county zoning for the Wayside and the "Special Management Area" does not apply to areas seaward of the shoreline.

DESCRIPTION OF PROPOSED USE:

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 The applicant plans to dredge between 1,200-1,500 cubic yards of sand within the wading pool and to reconstruct minor portions of the revetment at Launiupoko State Wayside, Lahaina, Maui. The dredging will be limited to the confines of 100x200 foot wading pool and the original depths which were a maximum of -4 for MLLW. The revetment reconstruction will be limited to closing the existing Olowalu opening with material salvaged from the Lahaina opening which is being expanded from 18 ft. to 32 ft. at the top of the V. The south opening will be raised from -1.0 ft. MLLW to +1.0 ft. MLLW (see Attachment #2).

Constructed during the winter of 1970-1971, the wading pool is a semicircular pool with a radius of 100 ft. A portion of the revetment along the coast of the Wayside is a rock rubble mound breakwater of +6 ft. MLLW with three triangular notch openings (-1 ft. MLLW) for water circulation. The pool was backfilled with sand to a depth of -4 ft. MLLW sloping gently upward to the beach (see Attachment #3).

Sand siltation, water stagnation and pollution have been issued at Launiupoko State Wayside since 1972. In 1972, the Maui County Council passed a Resolution (#161) requesting that the State execute necessary repairs. The park district manager requested dredging and repairs in 1974 after a storm filled the wading pool again with sand. Funds (\$30,000.00) were appropriated in 1975 by the Legislature to dredge and make the necessary adjustment to the revetment. A portion of the appropriation was used for a study of the Wayside by Look Laboratory, University of Hawaii (August, 1976). Remaining funds will be used for dredging and reconstruction.

-2-

#### Board of Land and Natural Resources

May 27, 1977

The dredging and revetment reconstruction of the wading pool is scheduled for spring or summer, 1977. The cost is estimated at \$24,000 which includes \$12,000 for dredging, \$10,000 for revetment repair, and \$2,000 as a contingency. Dredging and reconstruction is estimated to take one to two months to complete.

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Dredging will be confined to the internal boundaries of the wading pool (16,000-18,000 sq. ft.). There is approximately 1,200 to 1,500 cubic yards of silt consisting of sand, shell fragments, and minute amounts of gray sludge. The dredging will be accomplished by either a crane with clam shell bucket or a suction pump dredge. All dredged material will be disposed at approved dump sites. The County Sanitary Landfill at Olowalu is available to which the spoils can be transported in watertight trucks. Precautions will be taken to minimize any dripping on public roadways. An alternative removal is to recycle the sand by adding to the existing beach on the Olowalu side of the wading pool or creating a new beach on the Lahaina side, both which will contribute to the recreational potential of the Wayside. Little turbidity is expected from these operations.

Revetment reconstruction will be minor. The Olowalu opening will be closed with the rocks salvaged from the Lahaina opening which is being enlarged. The Olowalu opening is currently sealed from the ocean by a sandy beach. The Lahaina opening will be enlarged (18 ft. to 32 ft.) to increase circulation without permitting sharks within the wading pool. The south (oceanside) opening will be raised one foot to stop sand from entry and still permit water circulation by wave action (see Attachment #2). The work is expected to be done with heavy equipment due to the weights and size of some of the rocks. A crane is expected to be utilized.

COMMENTS RECEIVED TO DATE:

U. S. Fish & Wildlife Service: No comments.

Department of Health: In projects of this type, the basic concern of this agency is construction effects during the building phase, and long-range effects of new facilities.

Department of Transportation: There are no objections to the project for which Shorewaters Construction Permit No. 1659 is currently being processed.

Maui County Planning Department: No objections.

Fish & Game: Care should be exercised during all dredging and revetment modification activities in order to minimize the effects of turbidity and to prevent any construction-related material from entering the waterway. It is recommended that the project be conducted during periods of low tide and rainfall.

Land Management: No objections. It is strongly recommended that the applicant-take immediate action to acquire the Wayside via executive order.

Historic Sites Office: The proposed undertaking will have no effect upon any known historic or archaeological site on or likely to be eligible for inclusion on the Hawaii and/or National Registers of Historic Places.

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Board of Land and Natural Resources

#### May 27, 1977

In the event that any unanticipated sites or remains are encountered, the applicant is to contact this office immediately.

#### ANALYSIS:

The project is permitted under Section 2B(1)(a) of Departmental Regulation No. 4. In compliance with Section 1:30, EIS Regulations, a negative declaration was prepared for the project at the suggestion of the Environmental Quality Commission.

The declaration notes that in response to park user complaints about siltation, stagnation and pollution, the 1975 Legislature appropriated funds to correct such deficiencies. In addition, as one of the agencies contacted following EIS procedures, the U. S. Army Corps of Engineers requested permit application for dredging and revetment reconstruction.

Alternatives to the project that were considered are as follows:

- Demolish the breakwater and wading pool and restore the shoreline to the revetment line. This alternative will destroy the accumulated sandy beach (Olowalu side) and the protected wading pool (against wave and sharks), both of which are recreational resources which are heavily used.
- 2. Fill the wading pool completely with sand or other fill material. This alternative will save the accumulated sandy beach (Olowalu side) but destroy the protected wading pool.
- 3. Dredge the wading pool. This is a half measure and does not solve the poor circulation or the siltation of the wading pool. Sand will accrete again and the water will stagnate.
- 4. Dredge the wading pool and reconstruct portions of the breakwater to increase circulation. This alternative, if done properly, should solve the problem of siltation and stagnation.
- 5. Do nothing. On this alternative, the health problem with the decomposition and stagnation will remain. The wading pool, however, eventually will become filled and unusable.

Adverse impacts of the project are anticipated to be minimal and temporary.

Some noise will be generated from the contractor's dredging operation and most of the work will be done during normal working hours. The contractor will be required to take measures to keep noise levels within allowable limits. No long-term noise impacts are projected.

Normal flow of vehicular traffic should not be greatly affected since the work will take place off public roadways. Trucks and heavy equipment may use the roadway during certain periods to carry dredged spoils.

-4- '

Board of Land and Natural Resources

May 27, 1977

The area of construction will be adequately marked and secured to protect the public from harm during construction and dredging.

Air quality is not affected by the dredging or reconstruction of the wading pool. No dust or other airborne pollution is foreseen, except from the trucks and equipment of the contractor.

The waters off Launiupoko State Wayside are Class "A" in accordance to Public Health Regulations (Chapter 37-A). Recreational uses (fishing, swimming, bathing, etc.) are permitted within Class "A" waters. These waters should not be affected by dredging of sand within the wading pool. The siltation may cause some minor turbidity of the water during construction but should be temporary and short-term. The reconstruction of the revetment will not affect the water quality standards.

No substantial damage to benthic life is foreseen. The dredging and construction area is confined to the existing wading pool and revetment which contains very little benthic life or fish.

Improvements to the water circulation within the wading pool will reduce potential health hazards of decomposing algae and water stagnation. Moreover, the dredged pool will provide a safe area free of sharks and add to the recreational usage of the Wayside.

RECOMMENDATION:

Approval with the following conditions:

- 1. That the applicant comply with all applicable statutes, ordinances, rules and regulations of the Federal, State and County governments, and applicable parts of Section 2C of Departmental Regulation No. 4;
- All work contracts shall include the Standard Hold Harmless Condition;
- 3. Other terms and conditions as prescribed by the Chairman;
- That the applicant comply with all applicable Public Health Regulations;
- 5. In the event unanticipated historical or archaeological remains are encountered by the effectuation of the proposed use, the applicant shall immediately contact the Historic Preservation Office at 548-6408;
- 6. Necessary precautions shall be taken to minimize turbidity caused by dredging and to prevent pollution of the offshore area by construction-related activities and debris; and

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Board of Land and Natural Resources

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May 27, 1977

7. The applicant shall be responsible to enforce these conditions and others as necessary to protect the health and welfare of the public.

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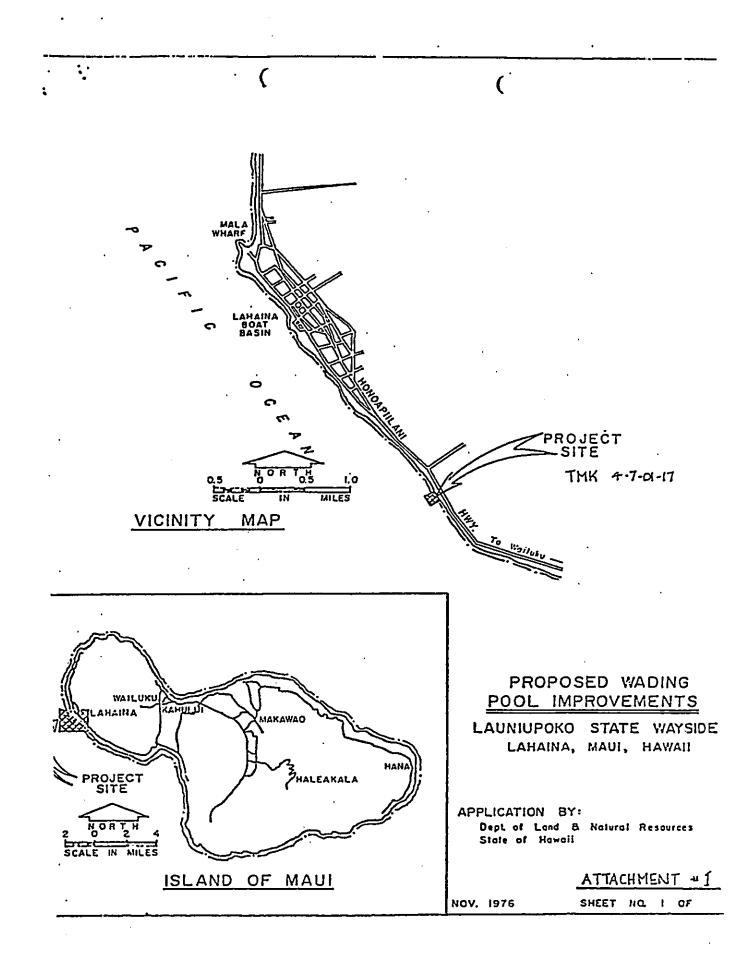
Respectfully submitted,

 $\sim$ ROGER C. EVANS Staff Planner

APPROVED FOR SUBMITTAL:

Chr Ejeler Cost

CHRISTOPHER COBB, Chairman of the Board



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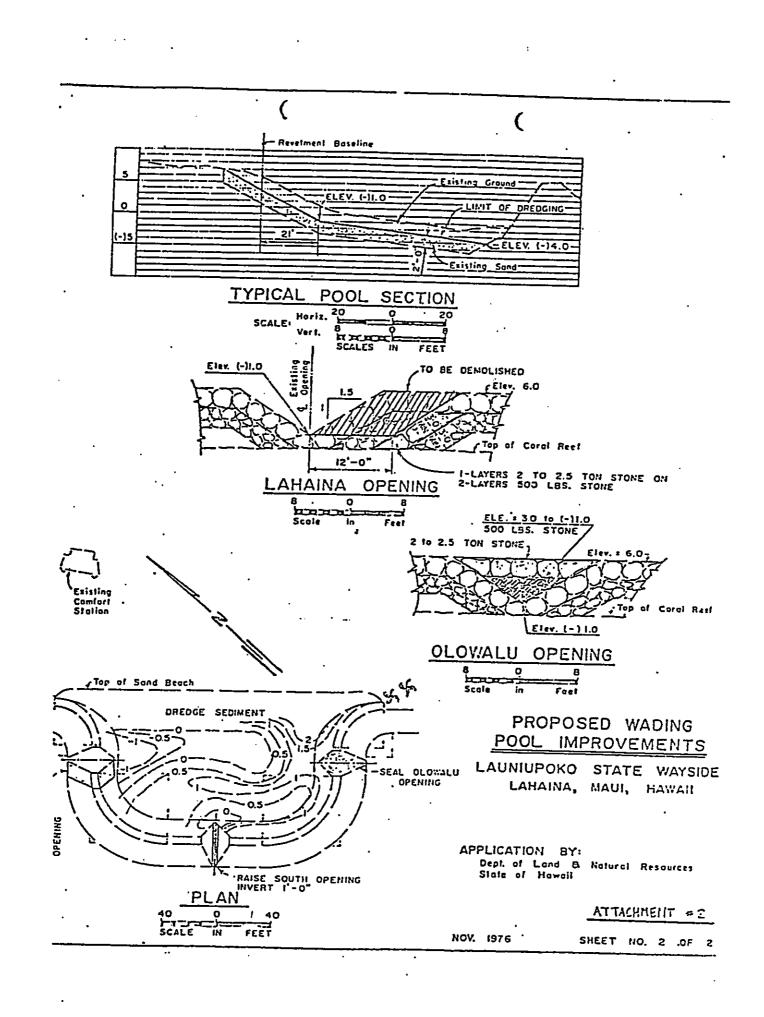
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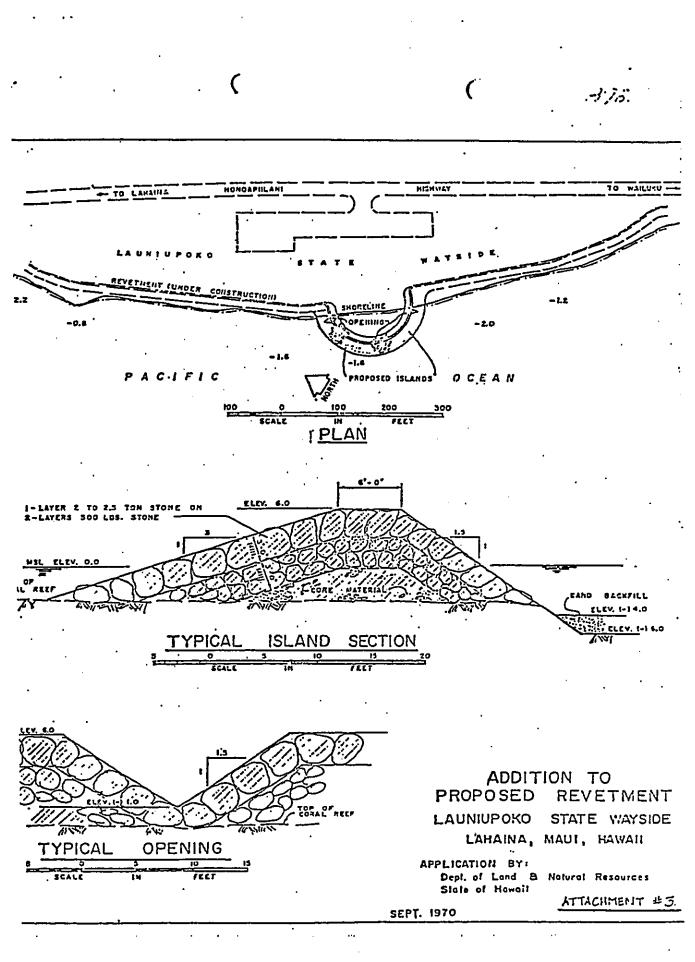
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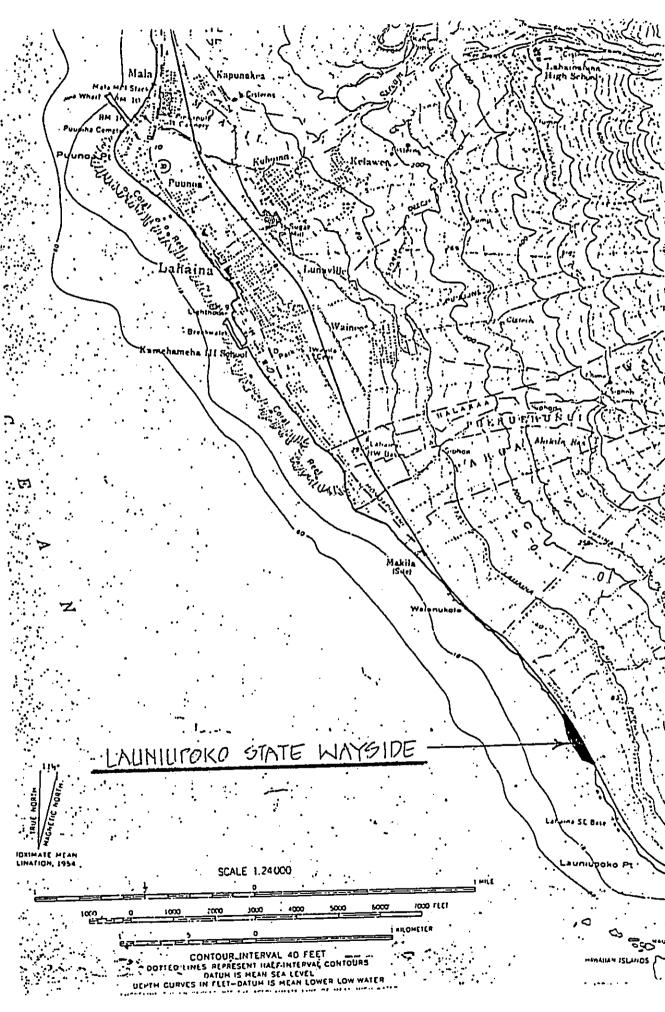
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### STATE OF HAWAII

#### DEPARTMENT OF LAND AND NATURAL RESOURCES Division of Land Management P. O. BOX 821 Honolulu, Hawait 96609

September 9, 1977

Board of Land and Natural Resources Honolulu, Hawaii

Gentlemen:

MAUI

DIVISIONS: Commetances Fish and game Forestry Land Management State Parks Water and Land Development

### Subject: Right of Entry to and Set Aside of Land to Division of State Parks for Recreational Purposes at Lahaina, Maui, Hawaii

At its meeting of May 27, 1977 under agenda Item H-4, the Board approved a Division of State Parks Conservation District Use Application to dredge the wading pool and reconstruct portions of the revetment fronting the Launiupoko State Wayside Park, Lahaina, Maui, Hawaii, Tax Map Key 4-7-01:17 shown shaded in red on the map labeled Land Board Exhibit "A" appended to the basic file subject to the following terms and conditions:

- That the applicant comply with all applicable statutes, ordinances, rules and regulations of the Federal, State and County governments, and applicable parts of Section 2C of Departmental Regulation No. 4;
- All work contracts shall include the Standard Hold Harmless Condition;
- 3. Other terms and conditions as prescribed by the Chairman;
- 4. That the applicant comply with all applicable Public Health Regulations;
- In the event unanticipated historical or archaeological remains are encountered by the effectuation of the proposed use, the applicant shall immediately contact the Historic Preservation Office at 548-6408;
- Necessary precautions shall be taken to minimum turbidity caused by dredging and to prevent pollution of the offshore area by constructionrelated activities and debris; and
- 7. The applicant shall be responsible to enforce these conditions and others as necessary to protect the health and welfare of the public.

APPROVED BY THE BOARD OF LAND AND NATURAL RESOURCES AT ITS MEETING HELD ON

<u>9/2/77</u>

ITEM F-4

Ma-8596

### May 26, 1978

(Applicant: Division of State Parks) Launiupoko Wayside Park Launiupoko, Lahaina, Maui, Hawaii

Honorable William Y. Thompson, Director Department of Land and Natural Resources P. O. Box 621 Honolulu, Hawaii

Dear Sir:

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STATE OF HAWAII ARTMENT OF ACCOUNTI NO GEMERAL SERVICES SUMMER OWNER P. 0. box 119

> In reply to your request dated January 3, 1978 (Item F-4 approved September 12, 1977), we are furnishing for issuance of an executive order, one copy of the survey description and eight (8) whiteprint maps filed under CSF 18,291 of the proposed Launiupoko Wayside Park containing an area of 5.697 Acres more or less.

Prior to the issuance of the executive order, it is recommended that approval from the State Department of Transportation, Highways Division, be obtained for the following:

First:

at: The width of eighty (80) feet for the new Honoapiilani Highway adjoining the proposed Launiupoko Wayside Park às established by DAGS Survey Division.

Second: Will access into and from Honoapiilani Highway be permissible over the entire frontage of the above park.

Third:

rd: In the acquisition of Parcel 64 (Revised) of the Lahaina-Wailuku Road, F.A.P. No. F-030-1 (1) from Pioneer Mill Co., Ltd. by the Territory of Hawaii by deed dated February 12, 1957, recorded in Liber 3231 on pages 469-473 (L.O.D. 14150), the taking of abutter's rights of <u>vehicle</u> <u>access</u> was included along numerous courses, some of which ran along <u>highwater mark</u>. This same restriction of <u>vehicle</u> <u>access</u> along courses running along highwater mark was used Honorable William Y. Thompson, Director -2-

May 26, 197:

in the above CSF description. The release of this encumbrance is suggested. Should revisions be necessary, please contact the Survey Division.

Very truly yours,

HIDEO MURAKAMI State Comptroller

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November 8, 1978

LT-RL 3.47393

Honorable W. Y. Thompson Chairman and Member Board of Land and Natural Resources State Office Building 1151 Punchbowl Street Honolulu, Hawaii 96813

Dear Mr. Thompson:

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Subject: Lahaina-Wailuku Road, FAP No. F-030-1(1), now a.k.a. Honoapiilani Highway, Froposed Launiupoko Wayside Park, Lahaina, Maui, Hawaii

Please be advised that on November 1, 1978, the Federal Highway Administration approved your request to the transfer of a portion of Parcel 64 (Revised) of the subject project for the proposed Launiupoko Wayside Park, provided that a paragraph is added to the executive order specifically prohibiting any environmental and 4(f) statements or any legal claims if all or part of the area(s) become required for highway purposes.

Pending the formal transfer of said parcel to the Department of Land and Natural Resources, right-of-entry for construction purposes is hereby granted.

The right-of-entry is granted with the understanding that the State Department of Transportation will not be held responsible for any damages to property or injuries to person or persons resulting from the exercise of the privileges granted herein.

In reference to your letter of June 23, 1978, relative to the questions raised by the Surveys Division of the Department of Accounting and General Services in the copy of its letter dated May 26, 1973, our comments and recommendations are as follows: Honorable W. Y. Thompson Page 2 November 8, 1978

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- First: The width of eighty (80) feet for the Honoapiilani Highway shall remain.
- Second: Vehicle restriction shall be imposed over the entire frontage of the proposed Launiupoko Wayside Park except the sixty-five-(65)-foot wide access permitted at Baseline P.O.C. Sta. 222+79.41, right, indicated on Job No. 36-MP-9 dated September, 1971.

LT-RL 3.47393

Third: The restriction of vehicle access along highwater mark will be deleted, and the vehicle restriction shall be imposed along the eighty-(80)-foot wide right-of-way.

If there are any questions on this matter, please call Mr. Richard Y. Hata of our Right-of-Way Branch at 7480.

Very zruly yours, Kella . . Higashionna

<u>2073</u> Executive Order No.

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# Setting Aside Land for Public Purposes

By this Executive Order, I, the undersigned, Covernor of the State of Nawaii. by virtue of the authority in me vested by Section 171-11, Hawaii Revised Statutes, and every other authority me hereunto enabling, do hereby order that the public land hereinafter described be, and the same is, hereby set aside for the following public purposes:

FOR PARK PURPOSES (LAUNIUPOKO MAYSIDE PARK), to be under the control and management of the Department of Land and Natural Resources, Division of State Parks, Outdoor Recreation and Historic Sites, situate at Launiupoko, Lahaina, Maui, Hawaii, containing an area of 5.697 acres, more or less, said land being more particularly described in Exhibit "A" and delineated on Exhibit "B", both of which are attached hereto and made a part hereof, said exhibits being respectively, a survey description and survey map prepared by the Survey Division, Department of Accounting and General Services, State of Hawaii, both being designated C.S.F. No. 18,527 and dated January 29, 1979.

Said land being: (1) portions of Parcel 68 (Revised) of Lahaina-Wailuku Road, F.A.P. No. F-030-1(1) acquired from Pioneer Mill Company, Limited, by deed dated August 2, 1957, recorded in the Eureau of Covneyances in Liber 3310 at page 280 and filed in the Land Office as Deed 14658; and (2) portions of Parcel 64 (Revised) and Parcel 69 (Revised) of said project acquired from Pioneer Mill Company, Limited, by deed dated February 12, 1957, recorded in said Eureau in Liber 3231 at page 411 and filed in the Land Office as Deed 14150.

SUBJECT to disapproval by the legislature by two-thirds vote of either the Senate or the House of Representatives or by majority vote of both, in any regular or special session next following the date of this Executive Order.

In mitness mhereof. I have hereunto set my hand and caused the Great Seal of the State of Hawaii to be affixed. . day of. ...., Nineteen Hundred and .79 Ma

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, ohi

Governor of the State of Hawaii

Approved as to form: M> 74 Jolach Deputy Attorney General APR 2 4 1979 Dated:

MAY 80 1978



#### STATE OF HAWAII SURVEY DIVISION DEPT. OF ACCOUNTING AND GENERAL SERVICES January 29, 1979

C.S.F. No. 18,527

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### (REVISED - JANUARY 1979)

HONOLULU

### LAUNIUPOKO WAYSIDE PARK

Launiupoko, Lahaina, Maui, Hawaii

- Being portions of Royal Patent 1358, Land Commission Award 82 to Thomas Phillips acquired as follows:

- (a) Portion of Parcel 68 (Revised) of Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1), conveyed to the Territory of Hawaii by Pioneer Mill Company, Limited by deed dated August 2, 1957, recorded in Liber 3310, Pages 280-287 (Land Office Deed 14658).
- (b) Portions of Parcel 64 (Revised) and Parcel 69 (Revised) of Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1), conveyed to the Territory of Hawaii by Pioneer Mill Company, Limited by deed dated February 12, 1957, recorded in Liber 3231, Pages 411-477 (Land Office Deed 14150).

Beginning at the north corner of this parcel of land and on the new southwest side of the Honoapiilani Highway, the coordinates of said point of beginning referred to Government Survey Triangulation Station "LAINA" being 17,122.14 feet South and 3758.21 feet East, thence running by azimuths measured clockwise from True South:-

1.	Along the new southwest si	de of the Honoapiilani Highway on a curve to the right with a radius of 5689.58 feet, the chord azimuth and
		distance being: 319° 34' 185.36 feet;
		مطع كم الله ال

2. 320° 30' 519.28 feet along the new southwest side of the Honoapiilani Highway;

3. Thence along the new southwest side of the Honoapiilani Highway on a curve to the right with a radius of 11419.16 feet, the chord azimuth and distance being: 325° 09' 59.7" 1858.06 feet;

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EXHIBIT. "A

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5.	Thence 330° · 330°	07' 07'	8.50 f 521.49 f	eet feet	January 29, 1979 withwest side of the Honospillani Highway on a curve to the right with a radius of 11419.16 feet, the chord azimuth and distance being: 329° 58' 29.7" 56.50 feet; along the new southwest side of the Honospillani Highway; along the new southwest side of the Honospillani Highway; at seashore for the next thirteen (13) courses, the direct azimuths	
5. 5. 7. 8.	330° 330° Thence 116°	07' 07' along hig	8.50 f 521.49 f	eet feet	Aignway on a curve to the last with a radius of 11419.16 feet, the chord azimuth and distance being: 329° 58' 29.7" 56.50 feet; along the new southwest side of the Honoapiilani Highway; along the new southwest side of the Honoapiilani Highway; at seashore for the next thirteen (13) courses, the direct azimuths	
5. 7. 8.	330° Thence - ' 116°	07' along hig	521.49 f	eet	the Honoapiilani Highway; along the new southwest side of the Honoapiilani Highway; at seashore for the next thirteen (13) courses, the direct azimuths	
7.	Thence - · 116°	e along hig			the Honoapiilani Highway; at seashore for the next thirteen (13) courses, the direct azimuths	
7. 8.	 116°	·	hwater ma	ark i		
8.		501			and distance, between points on " said highwater mark at seashore being:	
	128*	JU	140.00	feet	;	
9.	<b>1</b> 20	301	200.00	feet	;	
	140°	001	200.00	feet	;	
10.	150°	00'	250.00	feet	;	
11.	157°	30'	250.00	feet	· · ·	
12.	166°	00'	200.00	feet	· · ·	
13.	156°	00'	260.00	feet	•	
14.	151°	00'	300.00	feet	••	
15.	136°	00'	350.00	feet		
16.	147•	001	291.78	feel	5;	
17.	129°	30'.	288.31	fee	<b>E</b> ;	
18.	139°	30'				
19.	159°	30 <b>'</b> .	230.00	fee	t to the point of beginning and contain an AREA OF 5.697 ACRES, MORE OR LESS.	ing
High 3 an	way, 1 nd 6 o:	- 1	Draiort	NO.	F-030-T(T), 0461 Bug Gerese	n1 .2,
			DEPART	MENT	SURVEY DIVISION OF ACCOUNTING AND GENERAL SERVICES STATE OF HAWAIL	
					By: <u>Robert K. Sing</u> Robert K. Sing Land Surveyor	
R/W Boa	map,L	ahaina-Wai P. F-030-1	luku (l)	•	. 8	,m
		•				
		•			-2-	
	14. 15. 16. 17. 18. 19. High 3 at	<ul> <li>14. 151°</li> <li>15. 136°</li> <li>16. 147°</li> <li>17. 129°</li> <li>18. 139°</li> <li>19. 159°</li> <li>Highway, 13 and 6 o</li> <li>Compiled R/W map, I</li> <li>Road F.A.</li> </ul>	<ul> <li>14. 151° 00'</li> <li>15. 136° 00'</li> <li>16. 147° 00'</li> <li>17. 129° 30'</li> <li>18. 139° 30'</li> <li>19. 159° 30'</li> <li>Vehicle ac</li> <li>Highway, Federal Aid</li> <li>3 and 6 of the above</li> <li>Compiled from D.O.T</li> <li>R/W map, Labaina-Wai</li> <li>Road F.A.P. F-030-1</li> </ul>	14.       151°       00'       300.00         15.       136°       00'       350.00         15.       136°       00'       350.00         16.       147°       00'       291.78         17.       129°       30'.       288.31         18.       139°       30'.       260.00         19.       159°       30'.       230.00         Vehicle access wil         Highway, Federal Aid Project       3 and 6 of the above-describ         DEPART         Compiled from D.O.T.         R/W map, Labaina-Wailuku       Boad F.A.P. F-030-1(1)	<ul> <li>14. 151° 00' 300.00 feet</li> <li>15. 136° 00' 350.00 feet</li> <li>16. 147° 00' 291.78 feet</li> <li>17. 129° 30' 288.31 feet</li> <li>18. 139° 30' 260.00 feet</li> <li>19. 159° 30' 230.00 feet</li> <li>Vehicle access will no</li> <li>Highway, Federal Aid Project No.</li> <li>3 and 6 of the above-described L</li> </ul> DEPARTMENT Compiled from D.O.T. R/W map. Labaina-Wailuku	<pre>14. 151° 00' 300.00 feet; 15. 136° 00' 350.00 feet; 15. 136° 00' 291.78 feet; 16. 147° 00' 291.78 feet; 17. 129° 30' 288.31 feet; 18. 139° 30' 260.00 feet; 19. 159° 30' 230.00 feet to the point of beginning and contain an AREA OF 5.697 ACRES, MORE OR LESS. Vehicle access will not be permitted into and from Honoapilla Highway, Federal Aid Project No. F-030-1(1), over and across Courses 1, 3 and 6 of the above-described Launiupoko Wayside Park. DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES STATE OF HAWAII By: Mathina Robert K. Sing Land Surveyor</pre>

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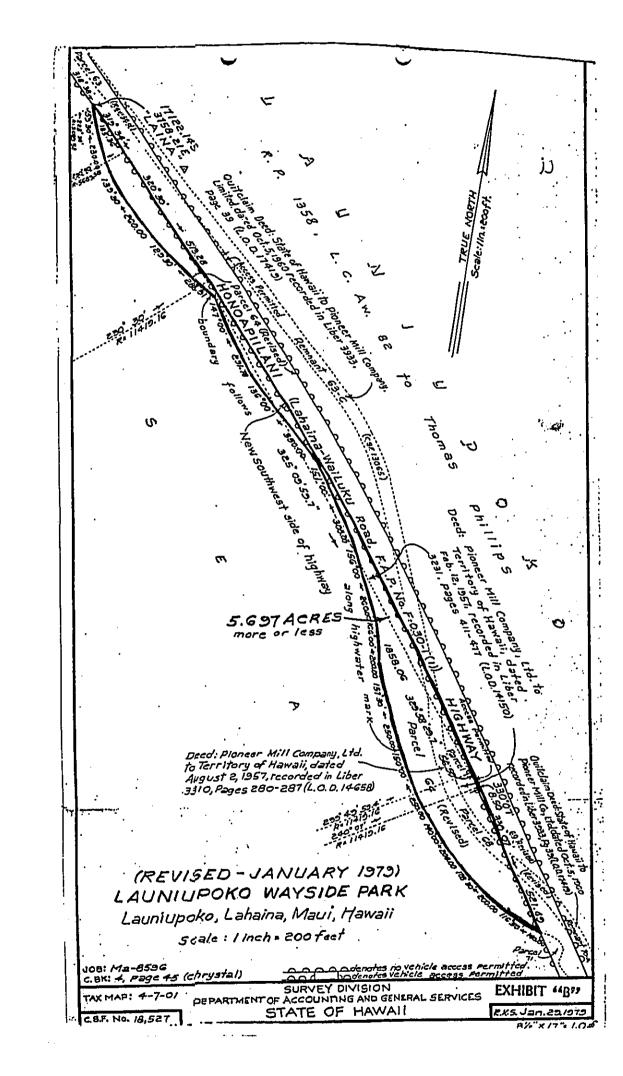
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STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF LAND MANAGEMENT P. O. BOX 531 HOHOLULU, HAWAII 54409 AQUACULFURE DEVELOPMENT PROGRAM AQUATIC REBOURCES CONSERVATION AND ENVIRONMENTAL AFFAIRS CONSERVATION AND RESOLUCES ENFORCEMENT CONVEYANCES FORESTRY AND WILDLIFE LAND MANAGEMENT STATE FARS WATER AND LAND DEVELOPMENT DN 6767F REFET CO: DYU-91:135

### November 8, 1991

Board of Land and Natural Resources Honolulu, Hawaii . . . .

STATEWIDE

SUBJECT: Conveyance in Fee of Certain State-owned Parks to Each County and Certain County Parks to the State at Various Location State-wide

STATUTE:

Chapter 171-95, Hawaii Revised Statutes

FOR:

Conveyance in fee of certain State-owned parks to each County and certain County parks to the State identified by tax map keys listed below and shown outlined in red on the maps labeled Land Board Exhibits "1-22" and appended to the basic file.

TO COUNTY	TMK	AREA	ENCUMBRANCE	LAND TITLE STATUS
OAHU				
Sans Souci Aina Moana (Magic Island) Waimanalo (Sherwood Forest) 16th Avenu <b>q</b>	3-1-31:9 $2-3-37:19, 25$ $4-1-15:15$ $3-3-14:15$ $3-3-14:16$ $3-3-14:17$ $3-3-17:01$ $3-3-19:05$ $3-3-19:02$ $3-3-19:02$ $3-3-18:56$ $6-6-7:7$	.987 42.669 74.76 2.452 1.293 1.523 3.686 15.975 .420 3.542 52.826	E.O. 3033	5(a) 5(b) E X X X X X X X X X X
KAUAI				
Wailua Beach & Lydgate (State retains Hikinaakala Heiau)	3-9-6:1 4-1-4:1 4-1-5:4 4-3-2:1	.290 32.344 11.351 1.584 1.279 6.360		X 5(b) 5(b) 5(b) 5(b) 5(b)

Board of Land and Natural Resources Page Two November 8, 1991

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<u>TO CC</u>	UNTY	TMK	AREA	ENCUMBRANCE	LAND TITLE STATUS		
MAUI							
Waihikuli ) Along Highway Launiupoko ) to Lahaina Papalaua ) Kihei Beach Res.		4-5-21:7 (por.) 4-7-1:17 4-8-2:41 3-9-1:1	8.26 5.697 6.720 21.489	E.O. 2947 E.O. 2973 E.O. 2948 Unencum. E.O. 3230 (Easement)	5(b) 5(b) 5(b)		
		3-9-1:68 3-9-1:141	.275 1.250	Unencum. RP 5607 /	5(b) 5(b)		
HAWAII					:		
Wailoa River ( Archery Area		2-2-4:2 2-2-6:1	7.452 7.983	E.O. 2921 E.O. 2921	X X		
TO STA	<u>NTE</u>	TMK	AREA	ENCUMBRANCE	LAND TITLE STATUS		
OAHU							
Kahana Bay Beach Park Kalihi Valley		5-2-5:3 1-4-14:1 1-4-14:26 1-4-16:3	8,364 57,593 21.067 21.186				
HAWAII							
Napoopoo Beach		8-2-6:25	5.6	E.O. 1566	5(b)		
CONSIDERATION:	Gratis						
<u>REMARKS</u> :	The purpose of Act 1311, S.D. 1, H.D. 1 (Act 312) was to provide for the transfer of certain state parks to the Counties and certain County parks to the State in order to better utilize the resources of each jurisdiction. It provides for the transfer of the estate, right, title, and interest and any appurtenance thereto, of State parks or State-owned "park" lands to Counties on January 1, 1992. The Legislation also requires a transfer of personnel specifically assigned to the respective parks listed above to the agency receiving the property transferred. The Division of State Parks has been actively working with each of the respective Counties to insure a smooth transition of the personnel and function.						

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Board of Land and Natural Resources Page Three November 8, 1991

REMARKS: (Continued)

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The ceded lands transferred from the State to the Counties is approximately 215.025 acres. Thus, although the Legislation is silent on this matter, staff assumes that the 108.21 acres of lands transferred from the County will assume the status of ceded lands.

RECOMMENDATION:

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That the Board cancel the foregoing Executive Orders: 2463, 3033, 2793, 2996, 2686, 2429, 2661, 2819, 2947, 2973, 2948, 2921, 1566 and 3230. The Board also cancel Revocable Permit No. S-5607.

- B. That the Board authorize the conveyance of the parks listed above to the respective Counties effective January 1, 1992 pursuant to Act 312 Sessions Laws of Hawaii 1991.
- C. That the properties transferred from the Counties to the State assume the status of ceded lands.

Respectfully submitted, 'Hen au (

W. MASON YOUNG Land Management Administrator

APPROVED FOR SUBMITTAL:

WILLIAM W. PATY, Chairperson

### ACT 312

S.B. NO. 1311

A Bill for an Act Relating to Parks.

Be It Enacted by the Legislature of the State of Hawaii:

### PART L

SECTION 1. The legislature finds that the State and the counties have discussed the transfer of certain parks for a number of years and that they have reached a general agreement on these transfers.

The purpose of this Act is to provide for the transfer of certain state parks to the counties and certain county parks to the State in order to better utilize the resources of each jurisdiction. This Act also appropriates funds for the master planning of the old Kona airport state recreation area on the Big Island.

The legislature is aware that Article VIII, section 5, of the Constitution of the State of Hawaii requires that if any new program or increase in the level of service of an existing program is mandated to any of the counties by the legisla-

service of an existing program is mandated to any of the counties by the legisla-ture, the State shall share in the cost. Under this requirement, the transfer of parks provided for in this Act would require increased funding support to the counties. However, the legislature further finds that Act 185, Session Laws of Hawaii 1990, allocated among the counties the revenues generated by the tran-sient accommodations tax. The sharing of these revenues, which previously had been deposited into the state general fund, was intended to provide the counties with a stable source of funds and increased the level of state funding support. The legislature believes that the dedication of the revenues generated by the transfer legislature believes that the dedication of the revenues generated by the transient accommodations tax to the counties, in providing this increased level of support, was intended to coincide with the transfer of additional responsibilities to the counties and would fulfill the requirement of Article VIII, section 5, of the Cons-stitution of the State of Hawaii. The legislature therefore finds that the transfer of parks provided for in this Act can be executed with no concomitant funding sup-port without violating constitutional requirements. port without violating constitutional requirements.

SECTION 2. (a) On January 1, 1992, the estate, right, title, and interest, and any appurtenance thereto, of the State relating to: (1) Sans Souci state recreation area; (2) Aina Moana (Magic Island) state recreation area;

- (3) (4)
- Aina Moana (Magic Island) state recreation area; Waimanalo bay state recreation area; 16th avenue park (TMK nos. 3-3-14:15, 16, and 17; 3-3-17:1; and 3-3-19:2 and 5); and Kaiaka state recreation area,

(5)

shall be vested in the city and county of Honolulu; provided that, as a condition of its transfer to the city and county of Honolulu, the 16th avenue park shall be utilized for recreational uses only.

(b) On January 1, 1992, the estate, right, title, and interest, and any appur-tenance thereto, of the city and county of Honolulu relating to Kahana bay beach park and Kalihi valley park (TMK nos. 1-4-16:03; and 1-4-14:1 and 26) shall be vested in the State; provided that the estate, right, title, and interest, and any appurtenance thereto, of the city and county of Honolulu relating to Kalihi valley park shall be vested in the State only as long as the same is maintained for pas-cive and meditative uses sive and meditative uses.

(c) On January 1, 1992, the estate, right, title, and interest, and any appur-tenance thereto, of the State relating to Lydgate and Wailua Beach sections of Wailua River state park (except the Hikinaakala heiau and refuge areas) shall be

vested in the county of Kauai. (d) On January 1, 1992, the estate, right, title, and interest, and any appur-tenance thereto, of the State relating to:

Wahikuli state wayside; (1)

(2)Launiupoko state wayside;

(3) Papalaua state wayside; and
(4) Kihei beach reserve,

shall be vested in the country of Maui. (c) On January 1, 1992, the estate, right, title, and interest, and any appur-tenance thereto, of the State relating to Wailoa River state recreation area (soc-

cer/archery area only), shall be vested in the county of Hawaii. (f) On January 1, 1992, the estate, right, title, and interest, and any appur-tenance thereto, of the county of Hawaii relating to Napoopoo beach park (Kealakekua bay park) shall be vested in the State.

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A Bill for an Act Relating to Parks.

Be It Endered by the Legislature of the State of Hawaii;

### PART L

SECTION 1. The legislature finds that the State and the counties have dis-cussed the transfer of certain parks for a number of years and that they have reached a general agreement on these transfers.

The purpose of this Act is to provide for the transfer of certain state parks to the counties and certain county parks to the State in order to better utilize the resources of each jurisdiction. This Act also appropriates funds for the master planning of the old Kona airport state recreation area on the Big Island.

The legislature is aware that Article VIII, section 5, of the Constitution of The legislature is aware that Article VIII, section 5, of the Constitution of the State of Hawaii requires that if any new program or increase in the level of service of an existing program is mandated to any of the counties by the legisla-ture, the State shall share in the cost. Under this requirement, the transfer of parks provided for in this Act would require increased funding support to the counties. However, the legislature further finds that Act 185, Session Laws of Hawaii 1990, allocated among the counties the revenues generated by the tran-sient accommodations tax. The sharing of these revenues, which previously had been deposited into the state general fund, was intended to provide the counties

sient accommodations tax. The sharing of these revenues, which previously had been deposited into the state general fund, was intended to provide the counties with a stable source of funds and increased the level of state funding support. The legislature believes that the dedication of the revenues generated by the transient accommodations tax to the counties, in providing this increased level of support, was intended to coincide with the transfer of additional responsibilities to the counties and would fulfill the requirement of Article VIII, section 5, of the Con-stitution of the State of Hawaii. The legislature therefore finds that the transfer of parks provided for in this Act can be executed with no concomitant funding sup-port without violating constitutional requirements. port without violating constitutional requirements.

SECTION 2. (a) On January 1, 1992, the estate, right, title, and laterest, and any appurtenance thereto, of the State relating to:
(1) Sans Souci state recreation area;
(2) Aina Moana (Magie Island) state recreation area;
(3) Waimanalo bay state recreation area;
(4) 16th avenue park (TMK nos. 3-3-14:15, 16, and 17; 3-3-17:1; and 3-3-3-19:2 and St and

- - 3-19:2 and 5); and

(5) Kaiaka state recreation area, shall be vested in the city and county of Honolulu; provided that, as a condition of its transfer to the city and county of Honolulu, the 16th avenue park shall be utilized for recreational uses only.

utilized for recreational uses only. (b) On January 1, 1992, the estate, right, title, and interest, and any appur-tenance thereto, of the city and county of Honolulu relating to Kahana bay beach park and Kalihi valley park (TMK nos. 1-4-16:03; and 1-4-14:1 and 26) shall be vested in the State; provided that the estate, right, title, and interest, and any appurtenance thereto, of the city and county of Honolulu relating to Kalihi valley park shall be vested in the State only as long as the same is maintained for pas-sive and meditative uses. (c) On fanuary 1, 1992, the estate, right, title, and interest, and any appur-

(c) On January 1, 1992, the estate, right, litle, and interest, and any appur-tenance thereto, of the State relating to Lydgate and Wailua Beach sections of Wailua River state park (except the Hikinaakala heiau and refuge areas) shall be vested in the county of Kauai.

vested in the county of Kauai. (d) On January 1, 1992, the estate, right, title, and interest, and any appur-tenance thereto, of the State relating to: (1) Wahikuli state wayside;

(1) (2)

Launiupoko state wayside; Papalaua state wayside; and

(3) Papataua state waystuc; and
(4) Kihei beach reserve,
shall be vested in the county of Maui.
(c) On January 1, 1992, the estate, right, title, and interest, and any appurtenance thereto, of the State relating to Walloa River state recreation area (soccer/archery area only), shall be vested in the county of Hawaii.
(f) On January 1, 1992, the estate, right, title, and interest, and any appur(f) On January 1, 1992, the estate, right, title, and interest, and any appur(f) On January 1, 1992, the estate, right, title, and interest, and any appur(f) On January 1, 1992, the estate, right, title, and interest, and any appur(f) On January 1, here the state, right, the state of the county of Hawaii relating to Napoopoo beach park (Kealakekua bay park) shall be vested in the State.

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ACT 312

(g) On January 1, 1992, any employee of the department of land and natural resources who is on a full-time basis assigned to or services the state lands and appurtenances listed in subsections (a), (c), (d), and (c) shall be transferred to the appropriate county in order to continue to be assigned to or service the listed lands and appurtenances and to perform their regular duties upon their transfer, subject to personnel laws and this Act.

All personnel transferred shall acquire county civil service status without any loss of salary, seniority, prior service credits, vacation, sick leave, or other employee benefits or privileges as a consequence of the transfer, provided that subsequent changes in status may be made pursuant to applicable personnel laws of the respective counties.

If an office or position held by any employee having tenure is affected by workload changes or is abolished, the employee shall not thereby be separated from public employment, but shall remain in the employment of the State in accordance with the state civil service law, the applicable bargaining unit contract, or the state personnel rules, whichever is applicable.

accordance with the state civil service law, the applicable bargaining unit contract, or the state personnel rules, whichever is applicable. (h) On January 1, 1992, any employee of the counties who is on a fulltime basis assigned to or services the county lands and appurtenances listed in subsections (b) and (f) shall be transferred to the department of land and natural resources in order to continue to be assigned to or service the listed lands and appurtenances and to perform their regular duties upon their transfer, subject to personnel laws and this Act.

All personnel transferred shall acquire state civil service status without All personnel transferred shall acquire state civil service status without any loss of salary, seniority, prior service credits, vacation, sick leave, or other employee benefits or privileges as a consequence of the transfer; provided that subsequent changes in status may be made pursuant to applicable state personnel laws.

If an office or position held by any employee having tenure is affected by workload changes or is abolished, the employee shall not thereby be separated from public employment, but shall remain in the employment of the county from which the employee was transferred in accordance with applicable collective bargaining agreements and county civil service and personnel laws and rules.

(i) All records, equipment, machines, files, supplies, contracts, books, papers, documents, maps, and other property heretofore made, used, acquired, or held by the department of land and natural resources or by a county concerning the lands and appurtenances transferred by this Act shall be transferred with those lands and appurtenances on January 1, 1992, under the direction of the governor or the mayor of the appropriate county.

SECTION 3. The costs associated with the transfer of personnel, records, equipment, and other personal property and all other costs involved in effectuating the purposes of this Act shall be borne by the State or the county making the transfer.

SECTION 4. County funding requirements for operations, maintenance, and capital improvement costs for parks transferred from the state to the counties shall be from each county's share of the revenues generated by the transient accommodations tax according to Act 185, Session Laws of Hawaii 1990.

SECTION 5. There is appropriated out of the general revenues of the State of Hawaii the sum of \$100,000, or so much thereof as may be necessary for fiscal year 1991-1992, for the development of a master plan for the old Kona

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### ACT 312

airport state recreation area on the Big Island. The sum appropriated shall be expended by the department of land and natural resources.

SECTION 6. It is the intent of this Act not to jeopardize the receipt of any federal aid nor to impair the obligation of the State, the city and county of Honolulu, or the counties of Kauai, Maui, or Hawaii, or any agency thereof, to the holder of any bond issued by the State, the city and county of Honolulu, or the counties of Kauai, Maui, or Hawaii, or any agency thereof, and to the extent, and only to the extent, necessary to effectuate this intent, the governor may modify the strict provisions of this Act, but shall promptly report any modification with reasons therefor to the legislature at its next session thereafter for review by the legislature.

### PART IL

SECTION 7. The Legislature finds that Hawaii's natural beauty and environment are priceless resources that should be protected for the public benefit as a trust pursuant to Article XI, section 1 of the Hawaii State Constitution. The a gust pursuant to Article Ar, section 7 of the trawart state constitution. The state park system offers the State the opportunity to create parks of distinctions, 'AINA HOOMALU (places to seek peace), that will offer users a variety of experiences that will enhance their appreciation for Hawaii's unique cultural, eco-

This system of parks will include opportunities not only for traditional hiking, picnicking, fishing, and stream and shoreline swimming or camping, but they would also offer.

- Educational tours of ancient Hawaiian cultural features with unpar-(1) alleled interpretive value; Opportunities to explore the terrain and ecology of a traditional
- (2) ahupua'a;
- Guided tours of areas containing unique or rare plants and animals; (3) and
- Nature museums, outdoor interpretive exhibits, and native arts and (4) crafts centers

The legislature intends to revitalize the state park system by committing sufficient resources to create safe and clean parks that will provide users with a variety of cultural, recreational, and ecological activities.

The legislature finds that Hawaii's people and visitors have increasingly encountered crowding, congestion, and decay in our public parks. In past years, administration of our parks has not received the priority in funding and management necessary to create and maintain a park system marked by distinction and excellence. With a permanent source of funding from a special interpretive pro-gram fund, 'AINA HOOMALU will provide Hawaii residents and visitors op-tions that will enhance our quality of life and build our reputation for protecting our precious natural resources. The special fund can be financed by revenue generated directly by the parks themselves where revenues now intel over generated directly by the parks themselves whose revenues now total over \$1,200,000 per year.

SECTION 8. Chapter 184, Hawaii Revised Statutes, is amended by adding a new part to be appropriately designated and to read as follows:

#### . 'AINA HOOMALU STATE PARKS "PART

'Aina hoomalu state parks program established; designation \$184-

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### STATE OF HAWAII SURVEY DIVISION DEPT. OF ACCOUNTING AND GENERAL SERVICES HONOLULU

April 8, 1992

## LAUNIUPOKO WAYSIDE PARK

Launiupoko, Lahaina, Maui, Hawaii

Being portions of Royal Patent 1358, Land Commission Award 82 to Thomas Phillips acquired as follows:

- (a) Portion of Parcel 68 (Revised) of Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1), conveyed to the Territory of Hawaii by Pioneer Mill Company, Limited by deed dated August 2, 1957, recorded in Liber 3310, Pages 280-287 (Land Office Deed 14658).
- (b) Portions of Parcel 64 (Revised) and Parcel 69 (Revised) of Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1), conveyed to the Territory of Hawaii by Pioneer Mill Company, Limited by deed dated February 12, 1957, recorded in Liber 3231, Pages 411-477 (Land Office Deed 14150).

Beginning at the north corner of this parcel of land and on the

southwest side of Honoapiilani Highway, (Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1)), the coordinates of said point of beginning referred to Government Survey Triangulation Station "LAINA" being 17,122.14 feet South and 3758.21 feet East, thence running by azimuths measured clockwise from True South:-

 Along the southwest side of Honoapiilani Highway, (Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1)), on a curve to the right with a radius of 5689.58 feet, the chord azimuth and distance being: 319° 34' 185.36 feet;

2. 320° 30'

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CSF No. 21,696

519.28 feet along the southwest side of Honoapiilani Highway, (Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1));

C.S.F. No. 21,69	6			April 8, 1992
3.	Thence al	ong the s	outhwes	t side of Honoapiilani Highway, (Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1)), on a curve to the right with a radius of 11,419.16 feet, the chord azimuth and distance being: 325° 09' 59.7" 1858.06 feet;
4.	Thence al	ong the s	outhwes	t side of Honoapiilani Highway, (Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1)), on a curve to the right with a radius of 11,419.16 feet, the chord azimuth and distance being: 329° 58' 29.7" 56.50 feet;
5.	330° 07'			8.50 feet along the southwest side of Honoapiilani Highway, (Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1));
6.	330° 07'	,	4	521.49 feet along the southwest side of Honoapiilani Highway, (Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1));
	Thence ald direct azin seashore b	nuths and	vater ma distance	rk at seashore for the next thirteen (13) courses, the es between points along said highwater mark at
	7.	116°	50'	140.00 feet;
	8.	128°	30'	200.00 feet;
	9.	140°	00'	200.00 feet;
	10.	150°	00'	250.00 feet;
	11.	157°	30'	250.00 feet;
	12.	166°	00'	200.00 feet;
	13.	156°	00'	260.00 feet;
	14.	151°	00'	300.00 feet;
	15.	136°	00'	350.00 feet;

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291.78 feet;

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C.S.F. No. 21,696

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April 8, 1992

18. 139° 30' 19. 159° 30'

230.00 feet to the point of beginning and containing an AREA of 5.697 ACRES, MORE OR LESS.

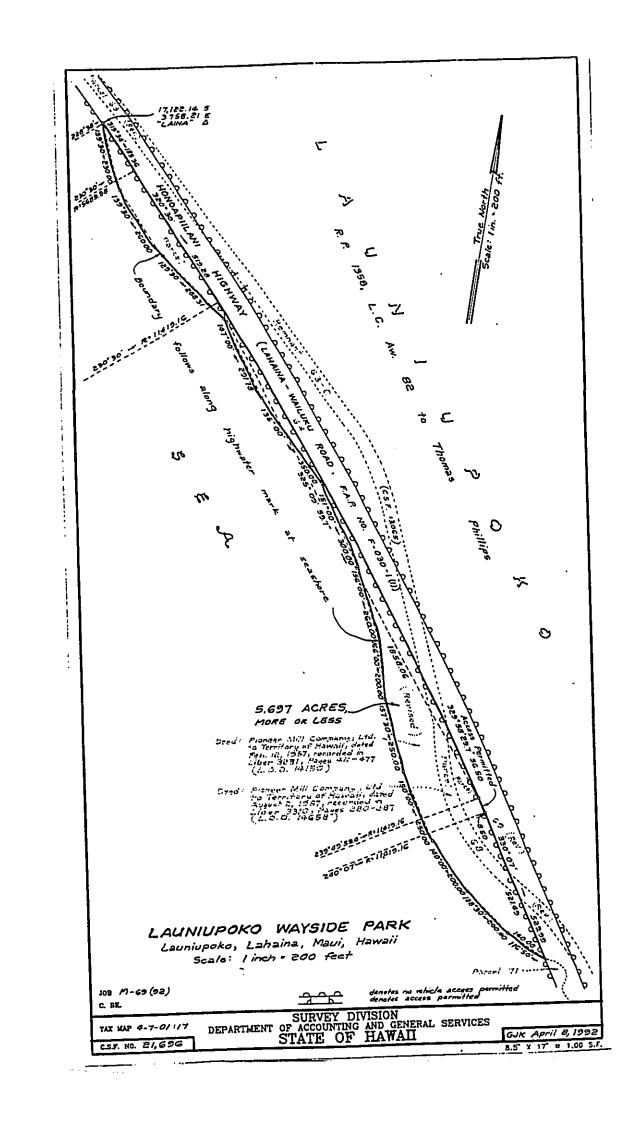
Vehicle access will not be permitted into and from Honoapiilani Highway, (Lahaina-Wailuku Road, Federal Aid Project No. F-030-1(1)), over and across Courses 1, 2, 3 and 6 of the above-described Launiupoko Wayside Park.

260.00 feet;

SURVEY DIVISION DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES STATE OF HAWAII

By: <u>Hann Kodau</u> Glenn J. Kodani Land Surveyor gm

Compiled from CSF 18,527 and other Govt. Survey Records. TMK: 4-7-1:17

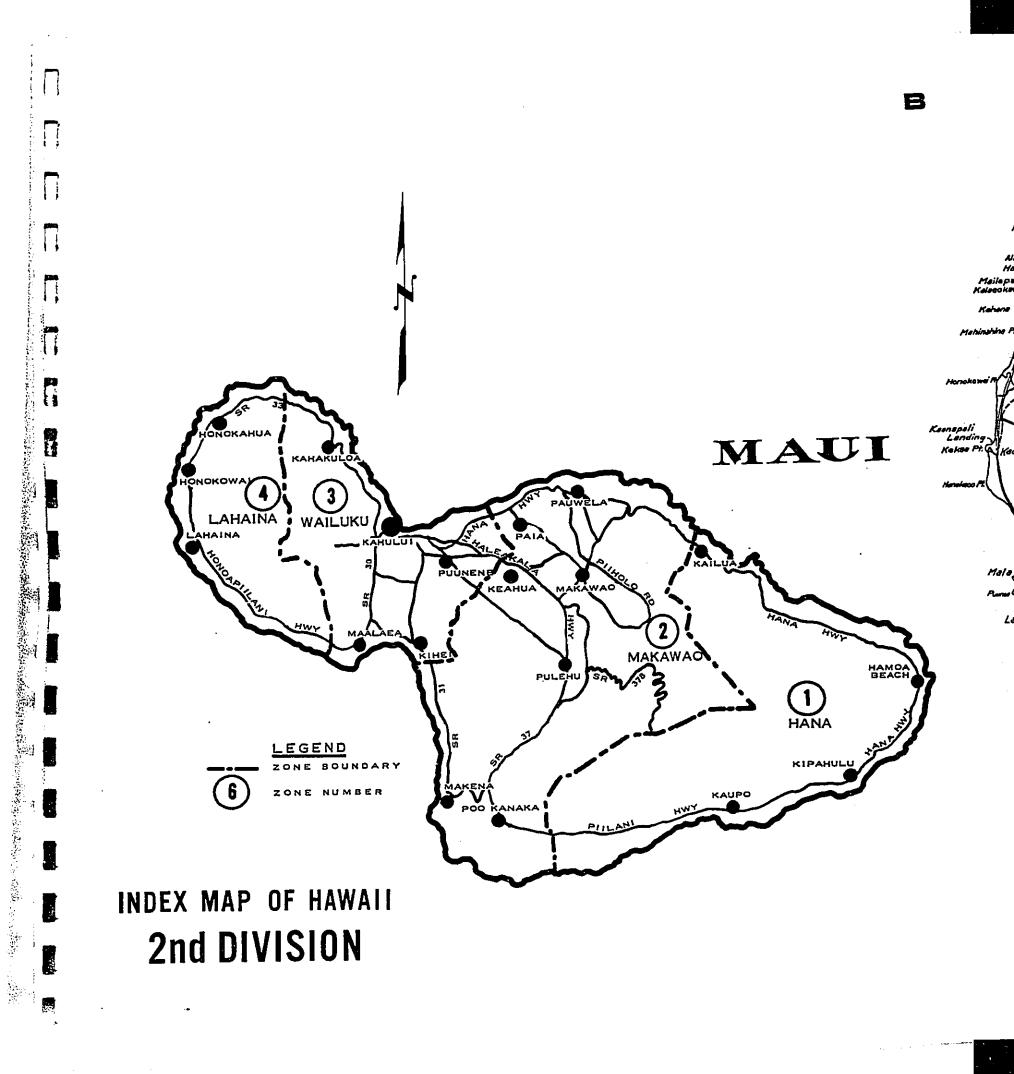


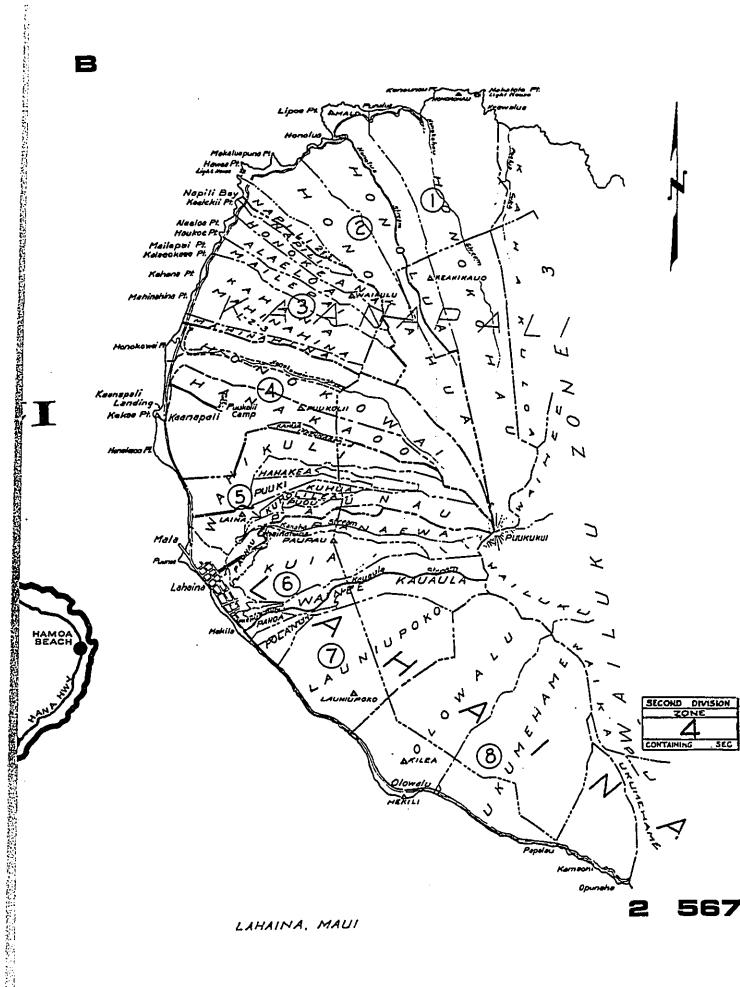
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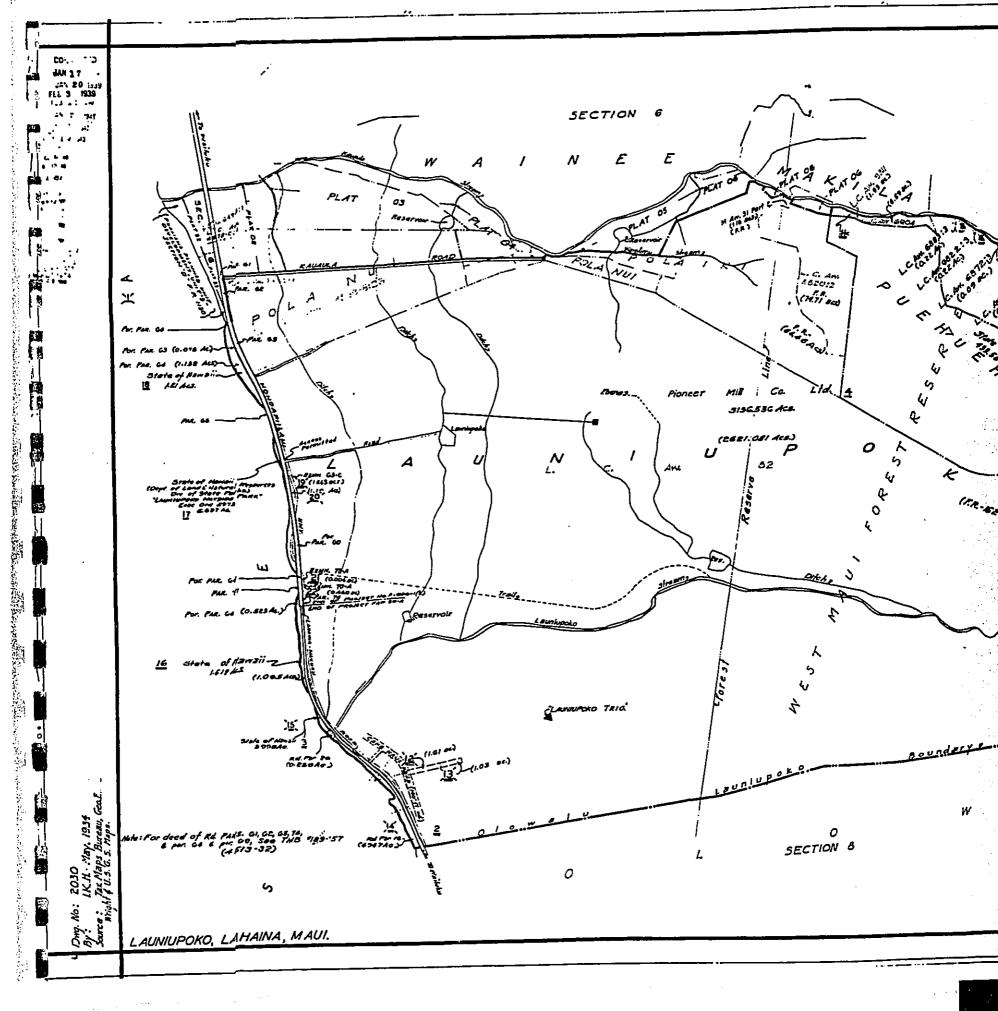
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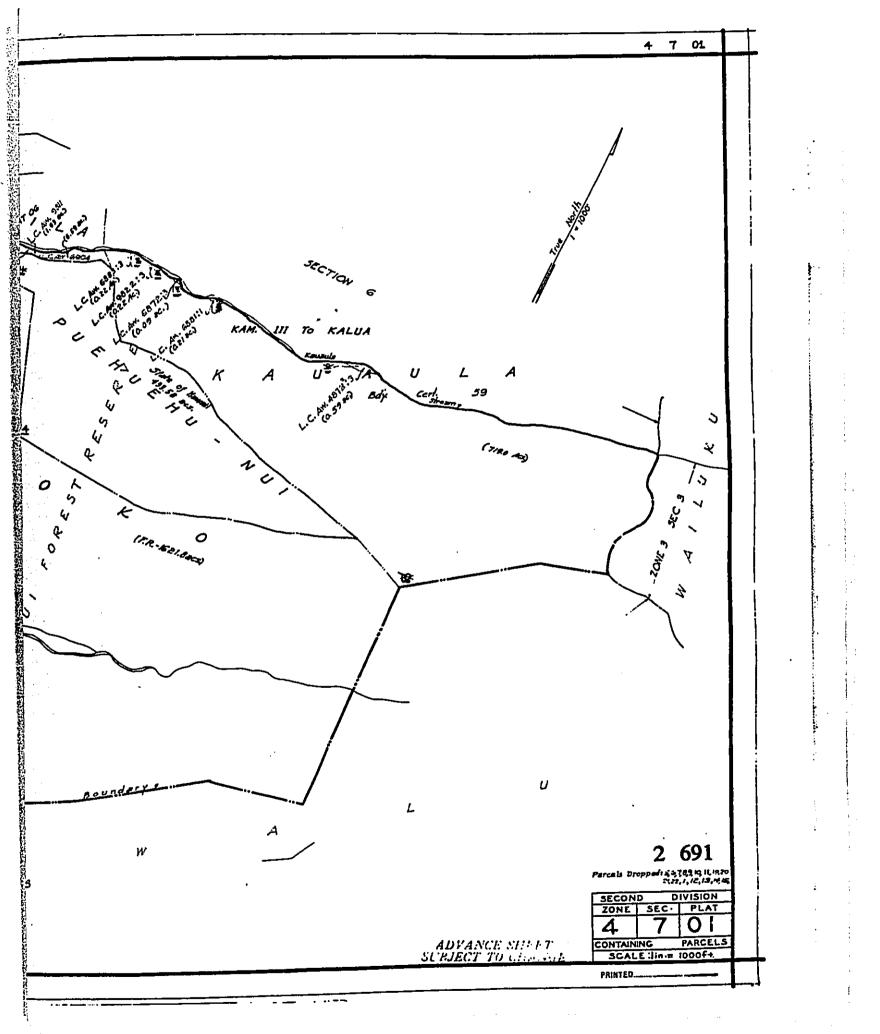
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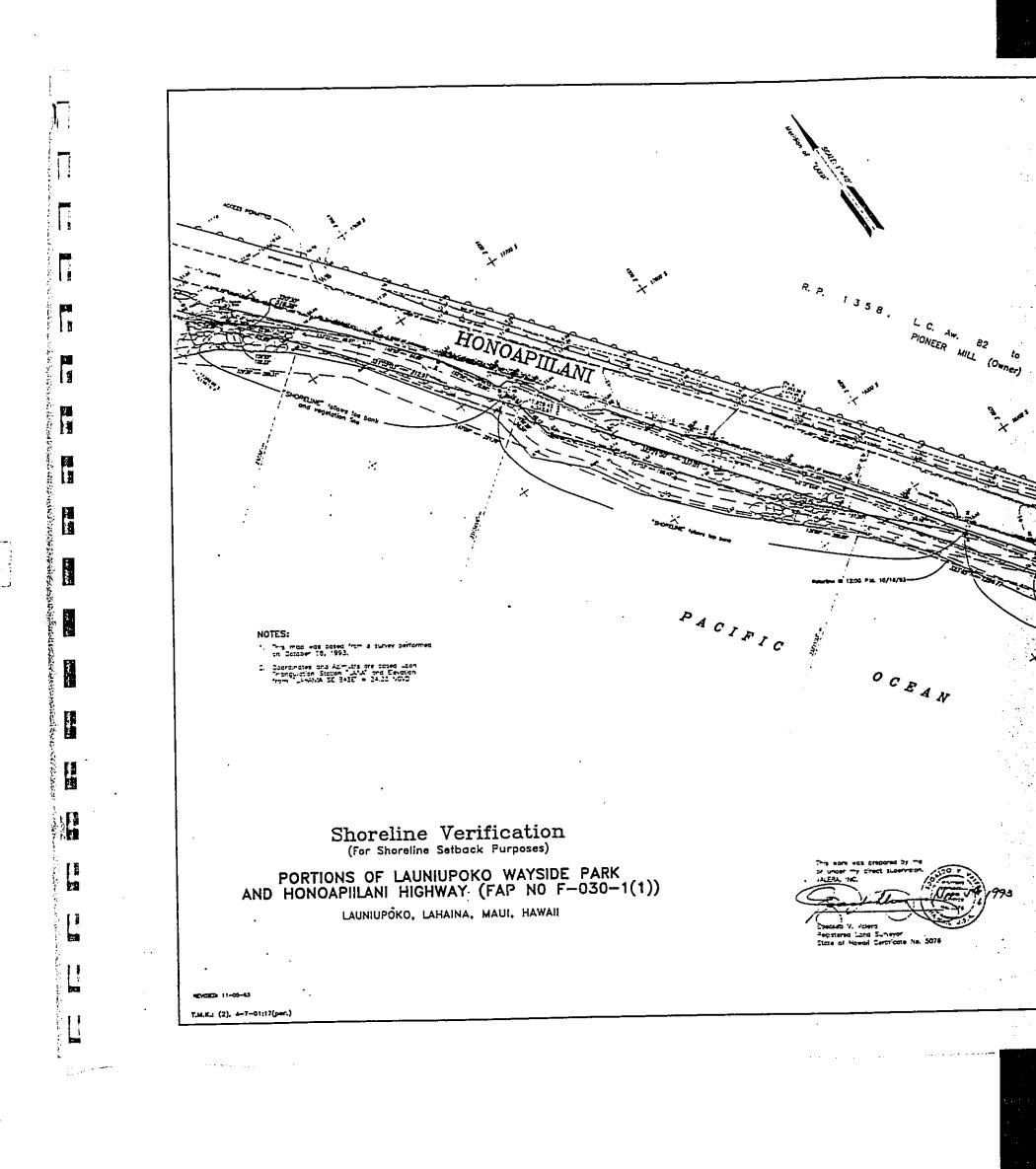


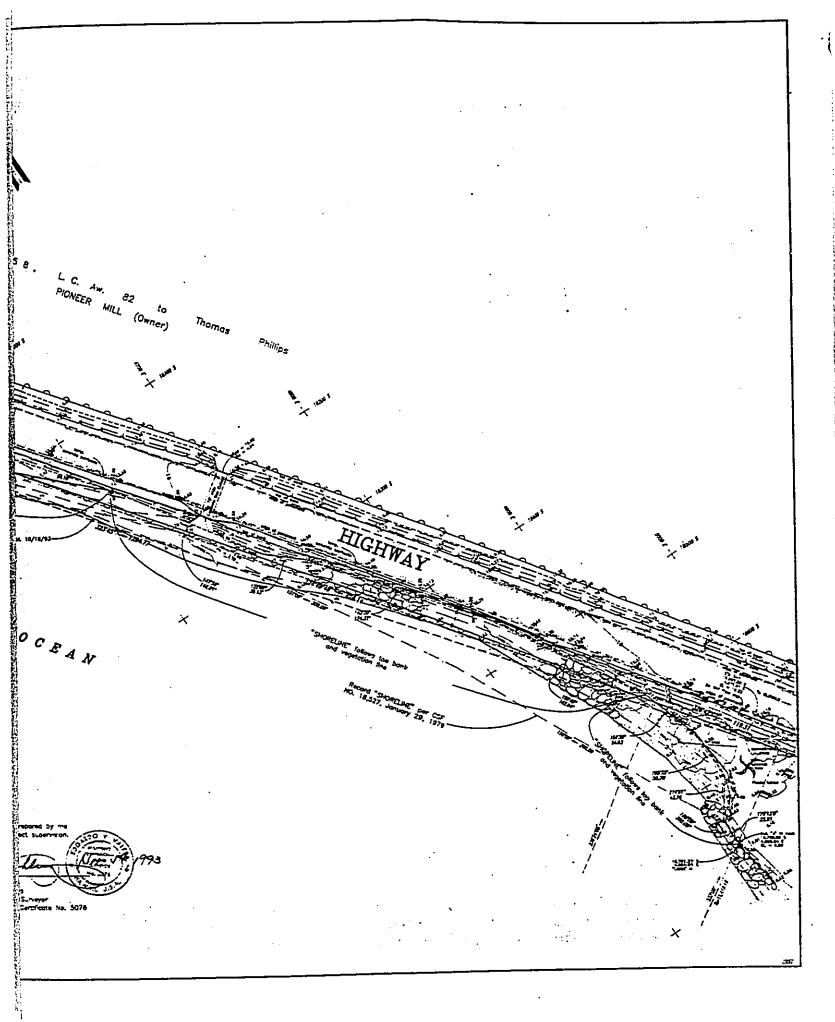




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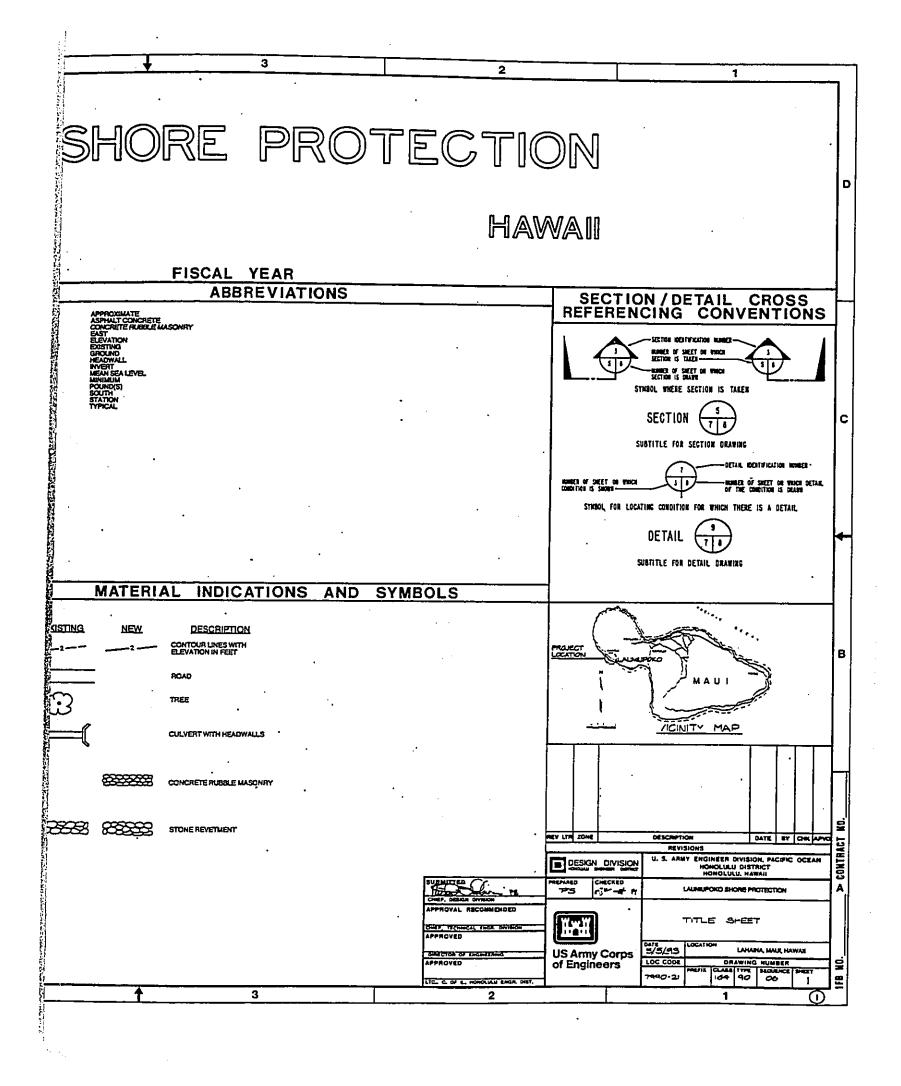


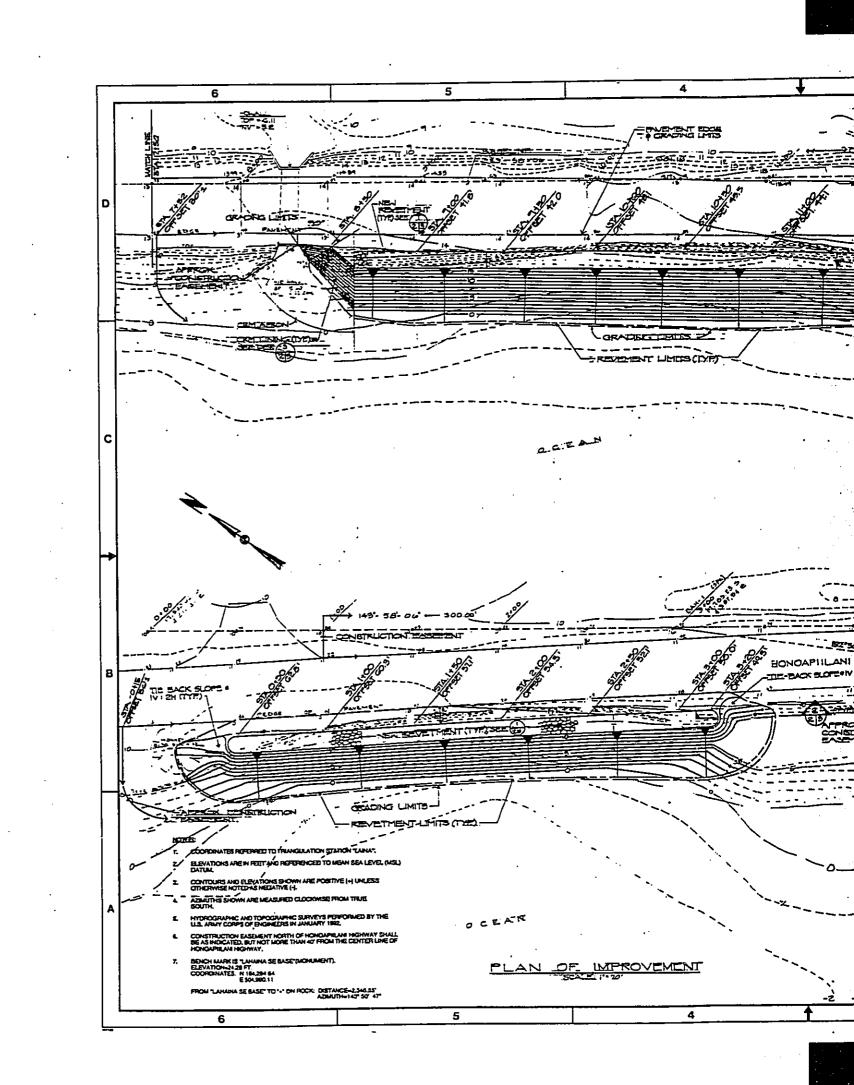


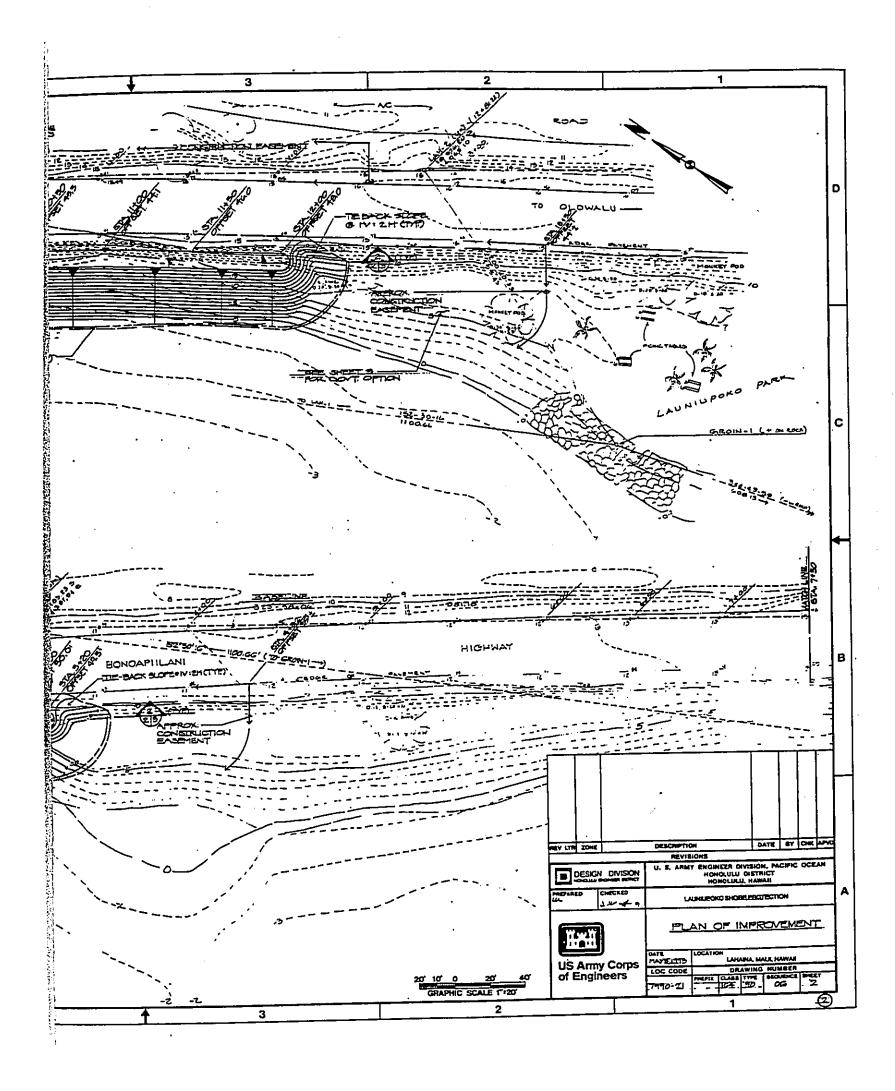


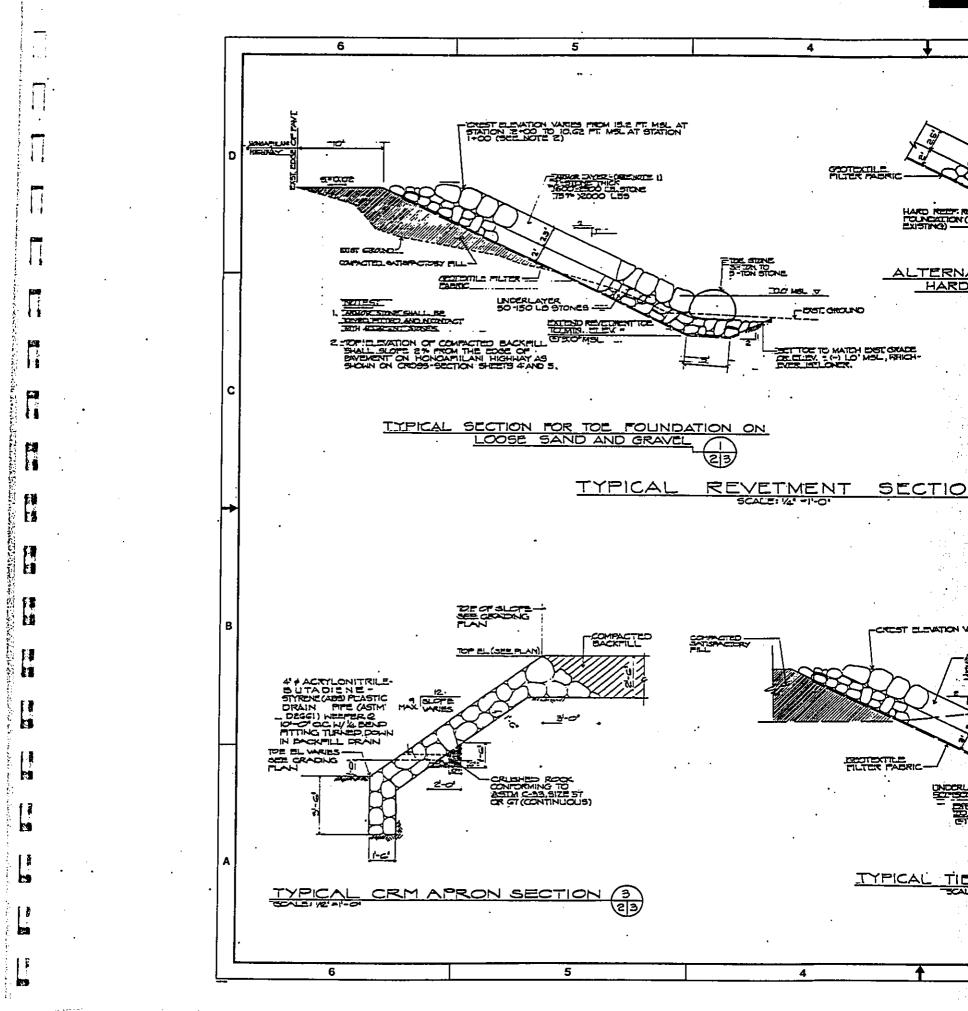
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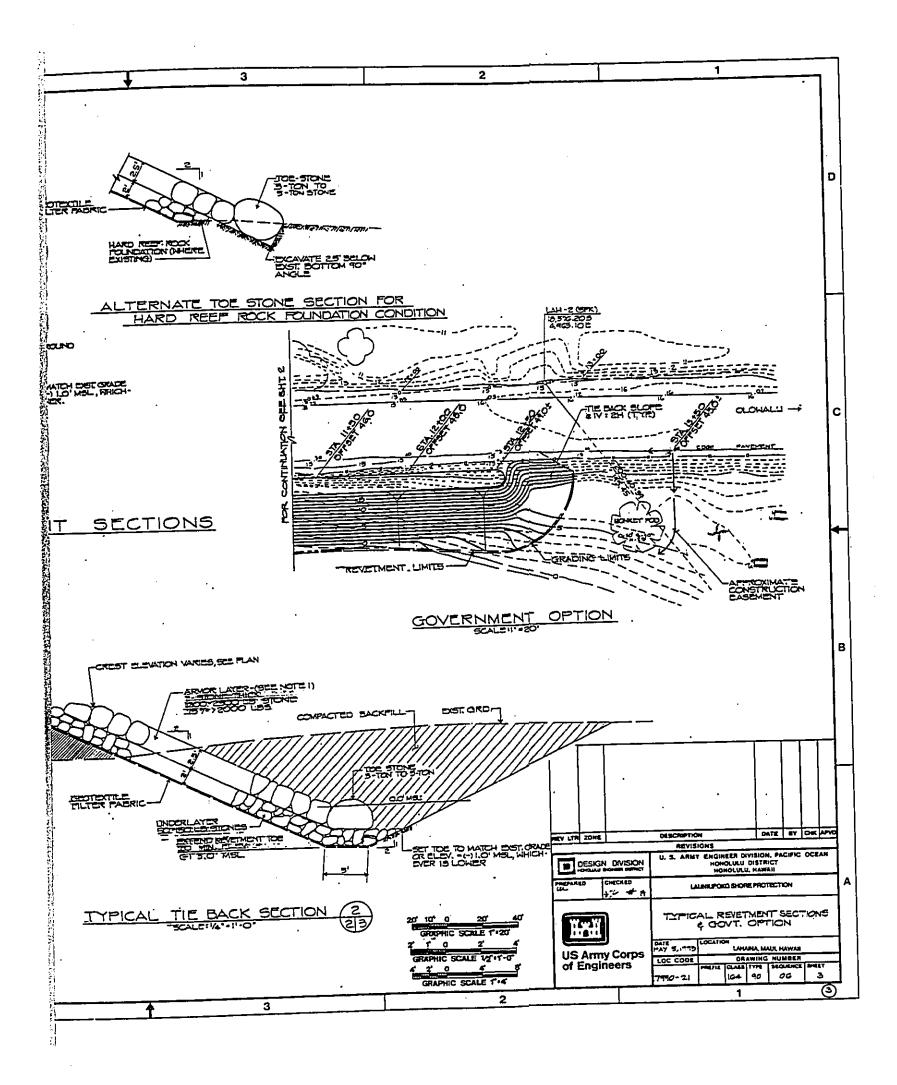


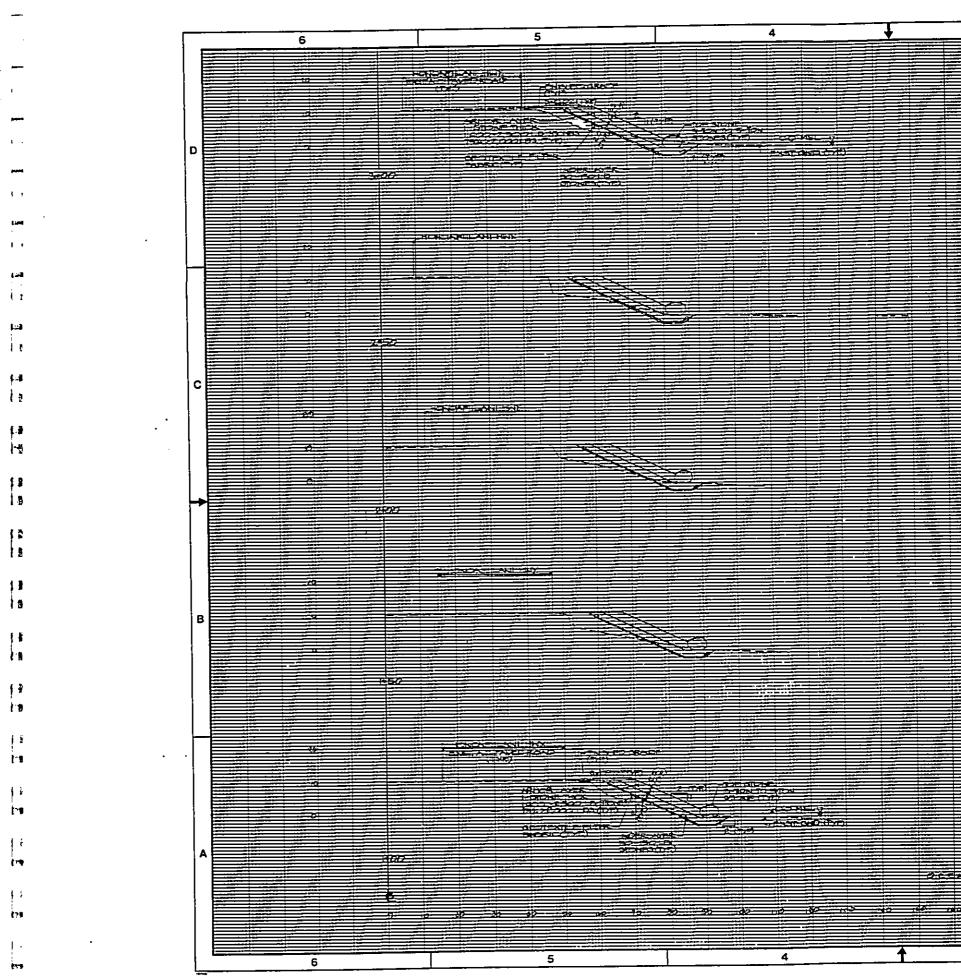






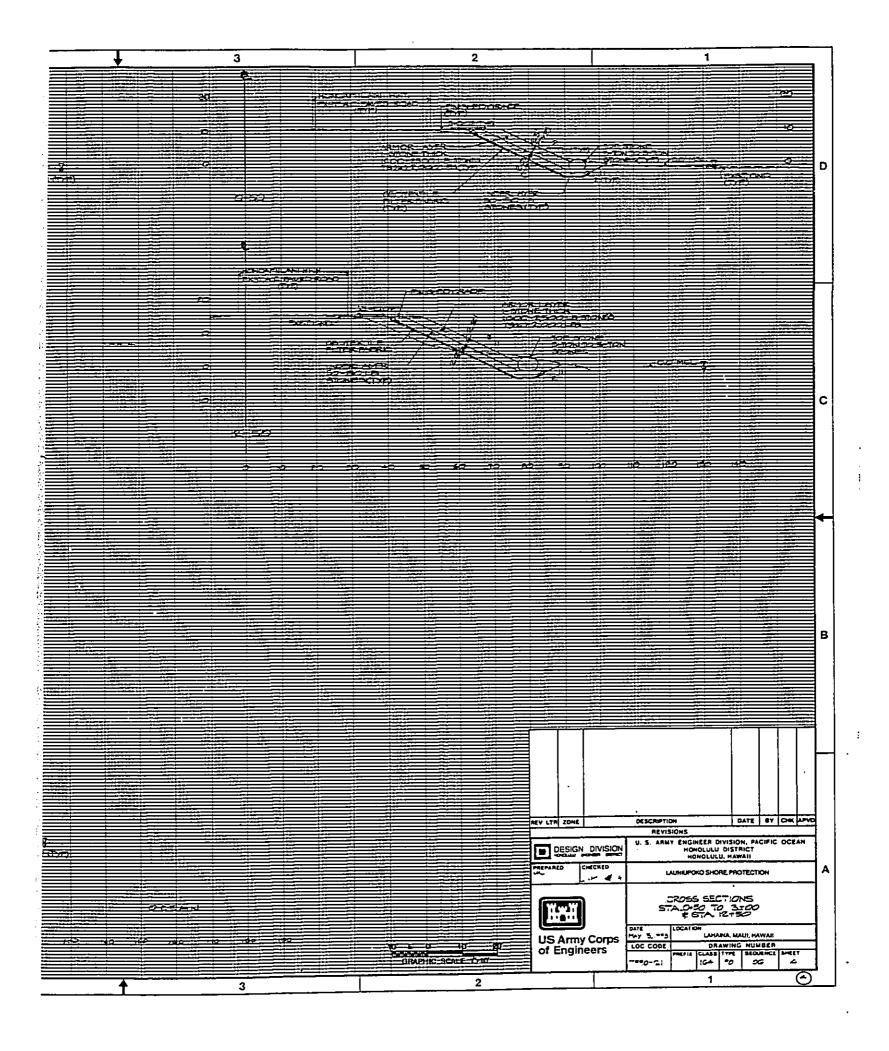
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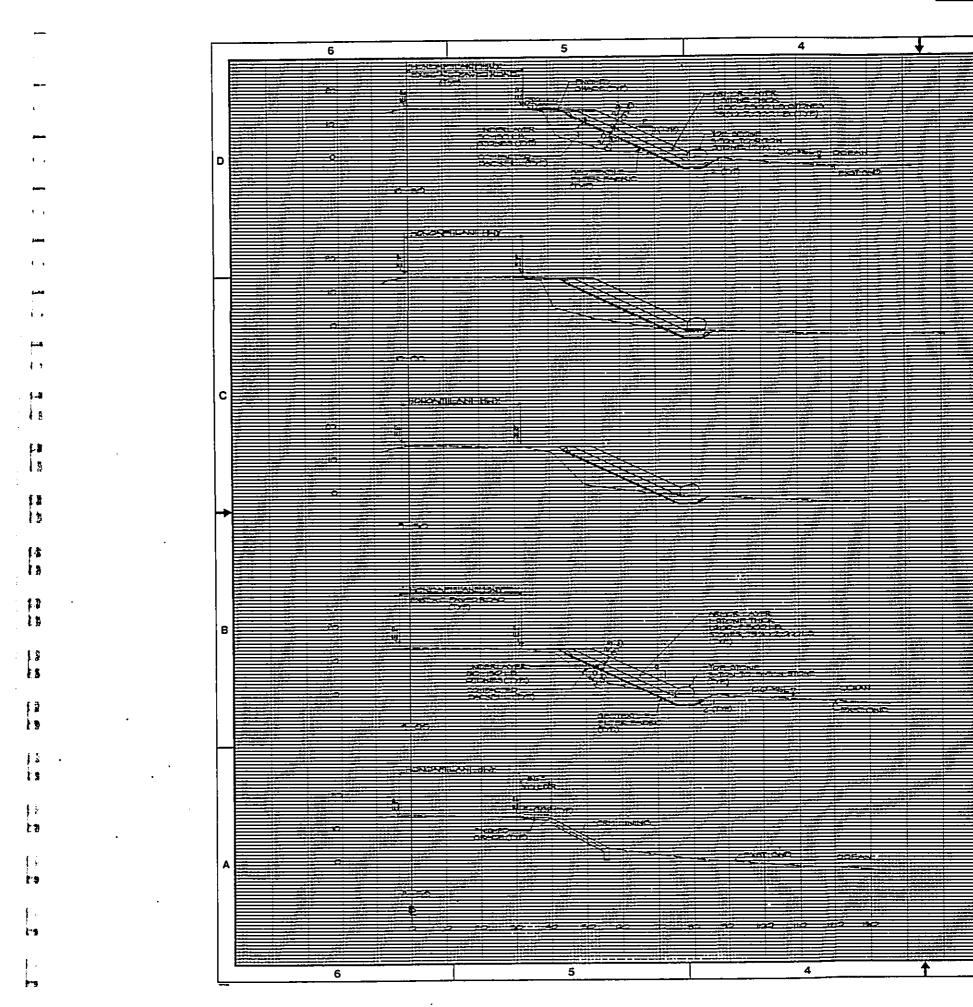
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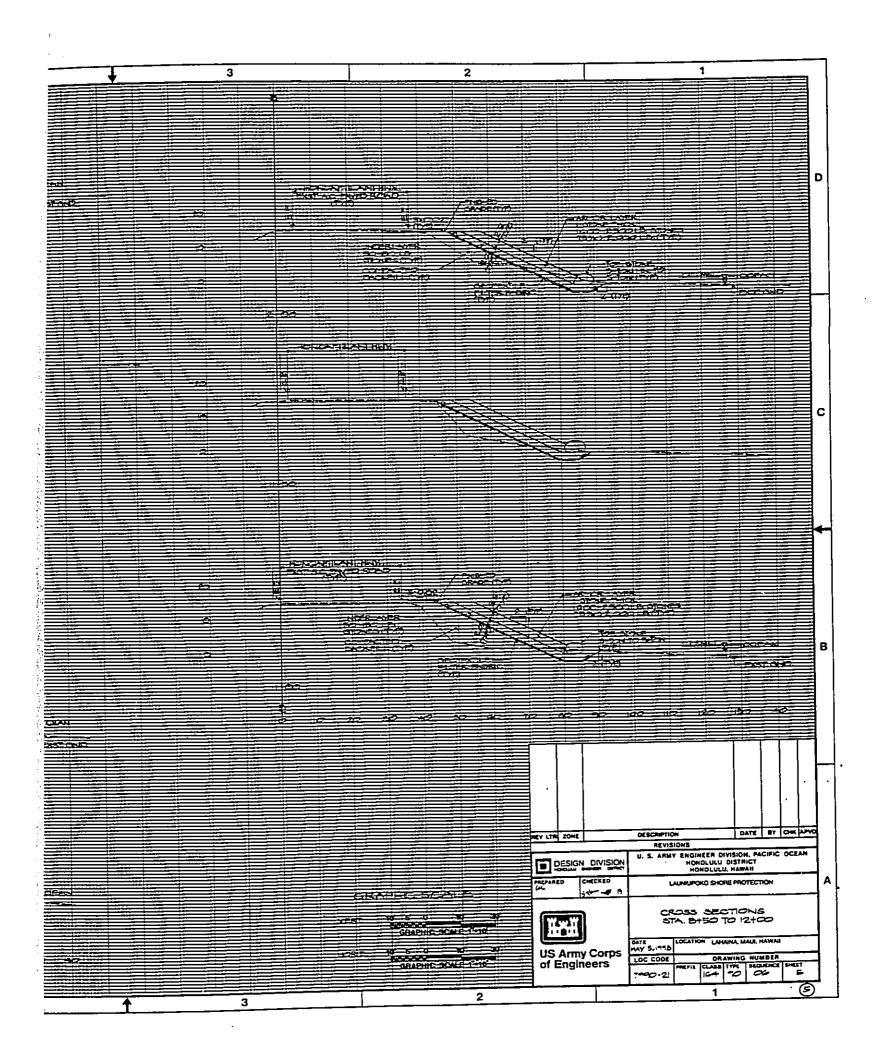
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