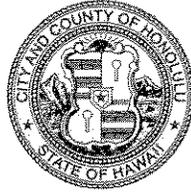


DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813
TELEPHONE: (808) 523-4432 • FAX: (808) 527-6743
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MUFU HANNEMANN
MAYOR

HENRY ENG, FAICP
DIRECTOR

DAVID K. TANOUE
DEPUTY DIRECTOR

2005/ED-13(ST)

October 13, 2005

Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control
State of Hawaii
State Office Tower, Room 702
235 South Beretania Street
Honolulu, Hawaii 96813-2437

RECEIVED
OCT 14 3:49
OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

Dear Ms. Salmonson:

Re: FINAL ENVIRONMENTAL ASSESSMENT
CHAPTER 343, HAWAII REVISED STATUTES (HRS)
Environmental Assessment (EA)/Determination
Finding of No Significant Impact

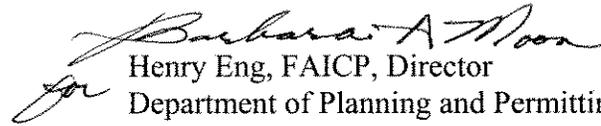
Applicant/
Recorded Owner/ : Kaneohe Yacht Club (Tom Valentine)
Agent : Harvey Minsky, P.E.
Location : 44-503 Kaneohe Bay Drive - Kaneohe
Tax Map Key : 4-4-22: 32
Request : Shoreline Setback Variance (SV)
Proposal : South drainage easement bank stabilization, involving the
installation of 160 feet of steel sheet piles, back fill and new
four (4)-inch thick concrete walkway and chain-link fence
within the 40-foot shoreline setback.

Attached and incorporated by reference is the Final EA prepared by the applicant for the above project pursuant to Chapter 343, HRS. We have determined that the preparation of an Environmental Impact Statement (EIS) is not required. Enclosed is a 3-1/2" Floppy Disk with a "Summary" of the subject project, Publication Form, and four (4) copies of the Final Environmental Assessment. We request publication of a notice of this document in The Environmental Notice.

Ms. Genevieve Salmonson, Director
October 13, 2005
Page 2

If you have any questions, please contact Steve Tagawa of our staff at 523-4817.

Very truly yours,


Henry Eng, FAICP, Director
Department of Planning and Permitting

HE:pl
Attachments

G:\LandUse\PosseWorkingDirectory\Steve Tkabay\KByacht.FON



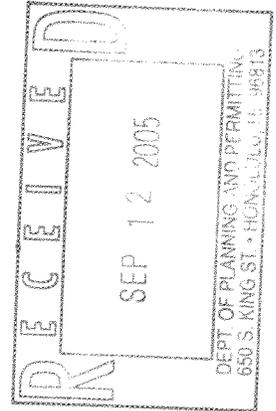
Kaneohe Yacht Club

44-503 Kaneohe Bay Drive

Kaneohe, Hawaii 96744-2525

Telephone: (808) 247-4121 • Fax: (808) 235-8180

E-mail: kyc@hawaii.rr.com



FINAL ENVIRONMENTAL ASSESSMENT

South Drainage Easement Bank Stabilization Project

September 12, 2005

DEPT. OF ENVIRONMENTAL
QUALITY CONTROL

05 OCT 14 P 3:50

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Hawaii Department of Health, 401 WQC	September 2, 2003
Hawaii Department of Health, 401 WQC	August 16, 2005
Hawaii Office of Planning, CZM Consistency	August 1, 2002
Hawaii DLNR Division of Aquatic Resources	September 23, 2002
Hawaii DLNR Land Division	October 2, 2002
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Reply to DLNR CWRM	September 2, 2005
Representative Cynthia Thielen	July 29, 2005
Reply to Representative Thielen	September 2, 2005
Hawaii Office of Environmental Quality	August 3, 2005
Reply to OEQ	August 18, 2005
Notification to Kaneohe Neighborhood Board	August 17, 2005
City & County of Honolulu DPP	August 22, 2005
Reply to Honolulu DPP	September 2, 2005

Office of Hawaiian Affairs
Reply to OHA

August 28, 2005
September 7, 2005

Appendix C – Certified Shoreline Survey

Request for Recertification
Hawaii DLNR Acknowledgement of Receipt
Hawaii DLNR Letter of Recertification

May 12, 2004
May 12, 2004
August 6, 2004



Kaneohe Yacht Club

44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744-2525

Telephone: (808) 247-4121 • Fax: (808) 235-8180 • E-mail: kyc@hawaii.rr.com

FINAL ENVIRONMENTAL ASSESSMENT South Drainage Easement Bank Stabilization Project

General Information

Applicant: Kaneohe Yacht Club
44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744
Tel: (808) 247-4121

Recorded Fee Owner: Kaneohe Yacht Club (same address)

Tax Map Key: 4-4-022-032, classified as Improved Residential.

Lot Area: 224,470 sf; 5.315 Acres.

See figures 1, 2 & 3 Site Location Map, Tax Map Key and Vicinity Map.

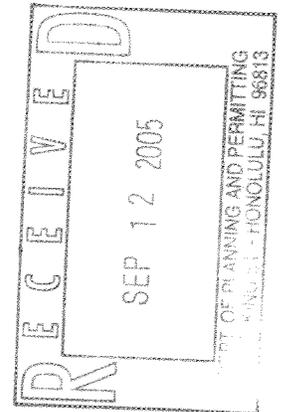
This Environmental assessment is prepared in recognition of the use of the shoreline as defined in Chapter 205A-41, Hawaii Revised Statutes, and Section 11-200-6(b)(1)(c), Hawaii Administrative Rules. The accepting authority for the environmental assessment is the Department of Planning and Permitting (DPP), City & County of Honolulu.

The project site is located within the Special Management Area (SMA) pursuant to Revised Ordinances of Honolulu, Chapter 25. County zoning is improved residential (See Figure 7).

A Finding of No Significant Impact (FONSI) is anticipated as a result of the proposed action to stabilize the eroding bank of the existing drainage canal

General Description

Originally established in 1924 as Kaneohe Yacht and Boating Club located at a site on the western shores of Kaneohe Bay, Kaneohe Yacht Club was established at its present site in 1955. Construction began that year and additions and improvements continued over the next 35 years. Existing facilities include a multi-functional clubhouse having meeting and committee rooms, a social hall/dining room with full service kitchen, administrative offices, restrooms, lounge and bar, a small boat storage shed, two tennis courts, adult and children's swimming pools, floating



and fixed piers that berth 160 vessels, 180 trailered boats, a concrete reinforced bulkhead with small boat launching ramp, and on-site parking for 165 vehicles. Current membership is approximately 775 on-island resident members (See Figures 2 & 5).

The existing storm drainage easement extends from the southeasterly corner of the KYC a distance of 356.28 feet to the mouth of the drainage canal where it discharges into Kaneohe Bay. This 30 feet wide easement, which was granted in the mid-1970s and is in favor of the City & County of Honolulu, enabled the construction of a partially concrete lined and partially open ditch drainage canal for the release of storm water from the surrounding hillside into Kaneohe bay. This easement and subsequent canal construction also enabled the residential development of the adjacent area.

Description of the Proposed Action

A shoreline certification survey was conducted on May 5, 2004, the results of which were transmitted to the State of Hawaii Department of Land and Natural Resources on May 12, 2004. The shoreline was previously certified on June 25, 1990 and reconfirmed on June 29, 1994. The latest survey was reconfirmed by DLNR on August 6, 2004. This confirmation showed the shoreline at the outlet of the existing drainage canal to remain as previously surveyed along the face of the existing concrete bulkhead. Pursuant to Chapter 23 of the Revised Ordinances of Honolulu, the shoreline setback line is established 40 feet inland from the certified shoreline. Work on the proposed project will begin 9 feet landward of the certified shoreline; therefore, only 31 feet of the slope stabilization will occur within the shoreline setback and subject to compliance with ROH Chapter 23.

The proposed project is to stabilize erosion that is occurring along the north slope of an existing drainage canal that passes through the southern side of the Kaneohe Yacht Club property located at 44-503 Kaneohe Bay Drive (TMK 4-4-022-032). A secondary benefit will be the elimination of continued loss of drainage capacity within the drainage canal resulting from continuous deposits of sandy and silty material from the eroding embankment. The proposed work will occur within a City & County of Honolulu drainage easement and is necessitated by extensive damage to chain link fencing, concrete and asphalt pavements, and a portion of a concrete retaining bulkhead. Undermining of a structural concrete foundation and slab is threatening additional structural failure beyond that which already has occurred in isolated areas (See figure 4). Should this occur, blockage of the drainage canal will lead to flooding within the adjacent residential community. The affected area and sheet piling plans are shown on the attached drawings. This drainage canal within the easement was originally built in the mid 1970's for the City and County of Honolulu by a private developer, and no maintenance within the drainage easement has been performed since initial construction.

The project scope provides for the installation of steel sheet piling along a section of eroding embankment within the existing storm water drainage canal. Nearly all of the steel piles will be installed above the high water line or abut against the near vertical face of the eroded embankment. No dredging or dewatering will be performed as part of this project. The project work activities also will include clearing of vegetation to the minimum extent necessary to facilitate layout and installation of the sheet piling, removal of a portion of damaged asphalt

pavement, removal and replacement of existing chain link fence, and installation of a concrete slab-on-grade for structural support. Existing vegetation along the bank will be cleared utilizing saws and cutters to the minimum extent necessary to facilitate layout and construction. No chemicals will be used during this clearing process. No grubbing will be done, which will enable the existing root system to retain the slope to the maximum extent possible, and also to negate the need for dredging within the drainage canal. All cleared vegetation will be loaded into trucks for transport to Kapaa Quarry Landfill in Kailua for mulching.

A soils investigation was conducted during design to include test borings and material analysis. In general, the existing soil is classified as moderately dense silty gravel and moderately stiff elastic silt, with an underlying layer of soft clay and loose to very loose silty gravel. Moderately dense to very dense soils were encountered at deeper depths to 50 feet below grade. The consulting geotechnical engineer reviewed the final design and determined that the recommendations provided in the soils report had been incorporated into the design.

The sheet piles will be installed utilizing the vibratory method. This process involves installing a small vibratory device atop the steel pile. The frequency of vibrations can be adjusted to control the rate and depth of penetration depending on the type of soil being encountered. The silty-clayey gravel found at the site makes this the preferred method in lieu of using a conventional hammer pile driver that drops a large weight on the top of the pile. Secondary benefits include the ability to utilize smaller construction equipment and elimination of noise generated by the hammer type pile driver.

The length of embankment requiring repair is isolated to a 160 ft. section along the established easement boundary (See Figures 5 & 6). The proposed repair will begin 9 feet inland of the certified shoreline where the drainage canal enters Kaneohe Bay and will proceed upstream approximately 160 feet. Steel sheet piles will be installed below the high water line at the seaward end of the revetment a lateral distance of approximately 15 feet where it ties into the existing concrete bulkhead. Approximately 10 cubic yards of structural backfill will be placed behind the sheet piles to restore the integrity of the bulkhead at this location, which is within the shoreline setback. The estimated volume of structural fill to be installed behind the sheet piles above the high water line to support the structural slab on grade will range between 50 to 70 cubic yards. Excavation and fill for the structural slab will be done after the sheet piles have been installed to eliminate the potential for discharges into the ocean waters. No fast lands will be created. Disposal of unsuitable excavated material will be done at an approved upland site.

Silt curtains will be installed along the base of the embankment parallel to the work area. This containment barrier will have a hanging skirt that reaches the canal bottom at high tide and will contain all unanticipated discharges along the work area. This curtain will be installed at the onset of construction and will extend from the existing seawall at the seaward end of the work area to the existing culvert wall at the upstream end of the work area. This silt curtain configuration will isolate the work area from ocean waters. The silt curtain will be monitored and maintained throughout the project activities.

Construction is planned to begin immediately upon issuance of the Shoreline Setback, SMA and Building Permits by City & County of Honolulu, and to be completed within 90 days. Work

within the shoreline setback will be completed within 30 days. All other State and Federal authorizations have been issued. Estimated project cost is \$40,000.

Affected Environment

Immediately adjacent waters are previously dredged navigation channels and harbor basins. Use is by recreational power and sailing vessels. There is no commercial activity in the area. Initial dredging dates back several decades, with the most recent maintenance dredging performed in the mid-1980s at Kaneohe Yacht Club. The drainage canal was constructed in the 1970s by a private housing developer for the City & County of Honolulu. The upper portion of the drainage canal is an open rectangular concrete lined box culvert and is above the mean high water line. The portion of the drainage canal in which the proposed slope stabilization will occur was constructed as an unlined trapezoidal canal to provide drainage from the upland housing and desolate mountain area. The waters in this unlined portion of the drainage canal are tidal, and salinity varies from normal marine to fresh water depending on rainfall.

There is no recreational swimming in the area, and there is no hand line or shell fishing in the area. There will be no impact on fish propagation or on other plants and animals.

The marine bottom ecosystem in the canal is Class II inasmuch as it has been disturbed by prior dredging and is not in its natural pristine state. It is a silty bottom devoid of marine life other than occasional invertebrates that swim up the canal during periods of high tide. The work will have no impact on these invertebrates. The proposed project will meet the objective of Class II marine bottom ecosystems in that the elimination of continued erosion will protect marine life from the impacts of eroded material sedimentation, and will improve the recreational purposes of adjacent waters by eliminating siltation and sedimentation that cause turbidity and reduced navigational depths. The project will not modify, alter, consume or degrade marine bottoms.

The affected site is classified as Class AA per HAR 11-54-06 (a) (2) (A) (i). Although the natural pristine state of these waters has been altered by previous construction, the proposed work will not further alter the present conditions, will not add any pollutants to these waters, will not alter water quality nor zones of mixing, and will not further alter the pristine state of the proposed site of work. The proposed project will not alter any parameters, fresh water inflow, salinity, or NTUs that are specific for all Class AA Marine Waters for Embayments per HAR 11-54-06 (a) (3). The proposed project also complies with HAR 11- 56-06 (3) (c) (1) for Class AA Marine Waters.

No foreign chemicals are introduced into the drainage canal, as there are no commercial or industrial activities within the watershed.

Land use for the surrounding properties is improved residential, and Kaneohe Yacht Club also is classified as improved residential. The nearest residential development abuts the entrance road to the yacht club and along Kaneohe Bay Drive and is within 150-200 feet of the construction site. A major townhouse complex, Yacht Club Terrace, is located across Kaneohe Bay Drive, approximately 400 feet away. The attached aerial photo shows the yacht club and surrounding area (See Figure 2).

Hawaii Administrative Rules, Section 11-200-12, Effects on the Environment

Effects that the proposed construction of the steel sheet pile revetment will have on the environment have been evaluated against the 13 Significance Criteria of Section 11-200-12, Administrative Rules of the State Department of Health as follows.

1. **Irrevocable commitment to loss or destruction of natural or cultural resources.**
There will be no irrevocable loss or destruction of any natural or cultural resource. Work will be performed in an area previously altered by construction, and the proposed work will benefit the site by eliminating erosion resulting from the original activity. There are no significant natural or cultural resources within the immediate or adjacent areas.
2. **Curtailment of the range of beneficial uses of the environment.**
The use of the environment will not be impacted or altered. There is no marine sport or recreation activity in the existing drainage canal. Activity in and around Kaneohe Bay involving recreational boating and fishing will not be impacted by construction of the project since work will be limited to the drainage canal. Boat storage and mooring adjacent to the construction site will not be impacted during or after construction, except that long term siltation caused by erosion of the bank being stabilized will be eliminated. There is no shell fishing in the area and fish propagation does not occur within the drainage canal. A silt curtain will protect any occasional intruding invertebrates, and any interference will be temporary at most.
3. **Conflicts with the State's long term environmental policies.**
The proposed project supports the State's environmental policy of affording maximum protection to natural, land and water resources while at the same time having minimal adverse impact on the social, economic and cultural well being of the community. The selected design will have no adverse environmental impact during construction nor during the life of the project.
4. **Effects on economic and social welfare, and cultural practices.**
No impacts have been identified that will adversely affect population changes and social or cultural activities. The adjacent areas are fully developed with few vacant residential lots still available. The immediate area is residential. There will be no adverse cultural impacts associated with the proposed project. No cultural, historic or archeological sites are known to exist within the immediate construction or surrounding areas, and prior roadway, residential and utility construction over past decades has resulted in significant disturbance to the natural topography. The proposed work is within an area already disturbed by construction of the existing drainage canal, and no work will be performed outside of previously disturbed areas.
5. **Effects on public health.**
No adverse public health consequences during construction or resulting from completion of the project have been identified. A beneficial public health effect of the proposed revetment will be elimination of continued bank erosion resulting in diminished drainage canal capacity in times of severe storm runoff.

6. **Secondary impacts, population changes or effects on public facilities.**

There will be no adverse secondary impacts resulting from the project. Land use will not change, no new lands are being created, there will be no increase in population density, and there will be no change in use patterns or densities of the marine environment or ecosystem. There will be a beneficial effect on the public drainage canal as erosion abatement will mitigate continued loss of drainage capacity. The secondary impact of improving a public facility will result from the project.

7. **Degradation of environmental quality.**

No degradation of environmental quality has been identified associated with the proposed activity. Steel sheet piles are factory coated with a coal tar epoxy coating, Carboline Bitumastic 300M, to protect them from deterioration in the marine environment. This coating is commonly recommended and used for this type of application, as well as a lining for potable water systems. There are no documented instances where animals or marine life are harmed or impacted by leaching of the coating.

8. **Individual limitation and cumulative effect on environment.**

Bank stabilization is not intended as an initial step leading to further development of adjacent lands or marine resources. Once completed, no further improvement is intended or contemplated. There will be no adverse short or long term affect due to the proposed bank stabilization.

9. **Effects on rare, threatened or endangered species, or habitats.**

No plant or animal endangered or threatened species or habitats exist within the affected or surrounding area. There will be no impact with regard to rare, threatened or endangered species and their habitats; wildlife and wildlife preserves; wetlands, lagoons, tidal lands and submerged lands; fisheries and fishing grounds; or other coastal/natural resources.

10. **Effects on air and water quality, and noise levels.**

Water quality will not be impacted as there is no discharge into navigable waters or the water table. The small amount of quarried structural fill to be installed below the high water line, about 10 cubic yards, will be discharged only after all sheet piling has been installed. To eliminate any potential impacts on marine and water resources, all work will be performed from atop existing surfaces above the high water line and no work will be performed from the water. Design of the concrete structural support for the steel sheet piles will enable construction from above. Steel sheet piles will be installed by vibratory method to eliminate the adverse impacts of hammer pile driving. Work will be stopped during times of storm or heavy runoff from the drainage area. There will be no adverse impact on air or noise quality during construction. Major construction equipment is limited to a vibratory pile driver for about 2 weeks. Sidewalk grading and filling is expected to last about one week, and concrete placement to last about 2 days. Work will not begin before 7:30 a.m. and will end by 5:00 p.m.. Demolition and clearing will utilize small hand tools.

11. **Location in environmentally sensitive area.**

Potential turbidity and accidental discharge from construction activities will be eliminated due to the use of a silt curtain. Also, temporary formwork will be employed to extend the height of the pilings above the concrete slab elevation to prevent concrete from being discharged into the water during placement. A safety skiff will be employed to facilitate the immediate removal of any accidental discharge into ocean waters. Oil absorption mats will be available in case of unexpected discharge by construction equipment that will be situated on land above the high water line. Only material and

equipment intended for use on this project will be allowed on site. Only clean, graded quarried backfill and structural fill will be utilized and will be inspected prior to installation to assure it is free of organic material, foreign objects or pollutants. The project has been planned to eliminate any need for dewatering.

12. **Effects on scenic vistas and viewplanes.**

There will be no adverse visual impacts. The embankment being protected is in an isolated location not subject to public view, is within an established City & County of Honolulu easement and is surrounded by private residential property. Existing vegetation that will be trimmed, which is primarily Hale Koa, will recover quickly since the root system will not be removed.

13. **Energy consumption.**

Energy consumption during construction will be minimal to support the operation of construction equipment. The completed project will require no energy consumption during it lifespan.

Evaluation of the environmental, social, cultural and economic impacts of the proposed action, along with the evaluation of impacts to land and marine resources indicate that there are no pertinent or significant adverse effects resulting from stabilization of the eroding bank at the south drainage easement. No immediate or long term significant adverse effects or consequences will result. The State of Hawaii Department of Health and the Army Corps of Engineers have examined the impacts of the proposed project, and both agencies have issued permits for this work. Also the State Office of Planning has issued Coastal Zone Management consistency concurrence, and authorization for the project has been obtained from State Department of Land and Natural Resources.

Consequently, a Finding of No Significant Impact is anticipated for the proposed bank stabilization project at Kaneohe Yacht Club.

Alternative Actions

1. No Action: Erosion of the existing embankment will continue unabated with eroding materials being deposited in ocean waters seaward of the drainage channel outlet. Adjacent existing foundations, structures and accessways will continue to experience undermining and structural damage and eventually will collapse into the drainage canal. As this trend continues, damage and loss to properties will extend beyond the boundary of the drainage easement.
2. Stone Revetment: Authorization was received for a stone revetment to abate shoreline erosion in the late-1990s. Although approved, this design required substantial excavation of the drainage channel bottom and slope. Slope excavation would have resulted in the loss of useable land above the high water line to accommodate the installation of the required thickness of stone. Dredging of the channel bottom resulted in additional expense since the work would be performed both on land and in the water thereby requiring additional equipment.
3. Composite Sheet Piles: Installing composite sheet piles in lieu of steel piles was considered; however, the soil conditions would require greater structural support for the composite piles than is required for the steel piles.

State and County Land Use Plan and Policies

The proposed bank stabilization is consistent with the objectives and policies of the City and County of Honolulu General Plan and the Koolaupoko Sustainable Communities Plan, which seek to preserve Koolaupoko's natural, scenic, cultural and agricultural resources, and to protect the residential environment of neighborhoods. The proposal will have no affect on further development, urbanization or population growth and will maintain the drainage and flood control capability of the existing drainage canal. Scenic views will not be impacted and the scenic beauty of the shoreline and adjacent coastal waters will be preserved. No historic, architectural or archaeological resources are affected. In the unlikely event that iwi kupuna or Native Hawaiian cultural or traditional deposits are discovered during project activities, work will cease until satisfactory resolution is reached with the appropriate agencies. The bank stabilization will help meet the City and County objectives of maintaining existing utility systems, protecting shorelines, and providing effective surface drainage and flood control systems.

The Koolaupoko Sustainable Communities Plan (SCP) recognizes these mauka reaches are among the wettest areas of the island and the source of numerous perennial streams. Although the drainage canal is not a tributary for runoff from the Koolau range, it is one of the major drainage canals enabling the release of surface runoff from the adjacent Kaneohe Bay Drive hillside. A major objective of the SCP is the prevention of encroachment and periodic maintenance of channels and outlets to maintain flow capacity as elements of the flood protection strategy. A general policy of the SCP emphasizes retention of storm water for gradual release; however, where such storm water management practices are not possible, as within the geographic proximity of the proposed stabilization, the hardening of stream channels is acceptable to prevent significant loss of property or threat to public health or safety. In these instances, the improvement should protect natural resources and aesthetic values of the stream.

The proposed stabilization meets the objectives of the Koolaupoko SCP for the maintenance of storm water stream channels. Without this project, continued erosion will lead to eventual structural damage and complete blockage of the drainage canal, which will lead to flooding within the residential community.

Special Management Area, Chapter 25, Revised Ordinances of Honolulu

The proposed abatement of the drainage easement erosion conforms to the objectives of the Special Management Area pursuant to Chapter 25, ROH to preserve, protect and restore the natural resources of the coastal zone of Hawaii, and to avoid permanent loss of valuable resources as follows:

1. The project will preserve and protect this portion of shoreline from continuous erosion that results in loss of valuable land resources.
2. The project will support the policy of the City & County to avoid or minimize damage to Special Management Areas by reducing the adverse impacts of eroded material from settling within the coastal waters of Kaneohe Bay and within the nearby mangrove wetlands.

3. Access to coastal waters will not be altered or impacted by the slope stabilization.
4. There will be no impact on any recreational or wildlife resources.
5. There will be no adverse impacts on water resources, scenic or recreational amenities.
6. There will be no adverse impacts on safety, environmental or ecological resources.
7. The project is consistent with the zoning of the property.
8. The design supports the requirement to minimize any dredging, filling or coastal alteration.
9. There will be no impact on public access to tidal and submerged lands.
10. There will be no visual impact from adjacent properties or roadways.
11. The project will have no impact on water quality.

Permits and Approvals

The following permits and/or approvals have been issued

1. Hawaii Department of Health Section 401 Water Quality Certification
2. U.S. Army Corps of Engineers Nationwide Permit Authorization
3. Hawaii Coastal Zone Management Determination
4. Hawaii DLNR Authorization
5. State Water Commission Stream Channel Alteration Permit – Not required.

The following permits and approvals are pending

1. C&C Honolulu Shoreline Variance
2. C&C Honolulu Special Management Area Use Permit-Minor
3. C&C Honolulu Building Permit
4. The Kaneohe Neighborhood Board has been advised of the proposed action.

Parties Consulted in Preparation of this Document

This environmental assessment was prepared utilizing past and present data and information provided by the following parties.

1. Hawaii Institute of Marine Biology, University of Hawaii.
2. National Marine Fisheries Service.
3. US Fish and Wildlife Service
4. US Army Corps of Engineers
5. Hawaii Department of Health
6. Oceanit Inc., Honolulu, Hawaii
7. George Losey, PhD., Professor of Zoology and Marine Biology, University of Hawaii

Attachments

Figures 1 Thru 7

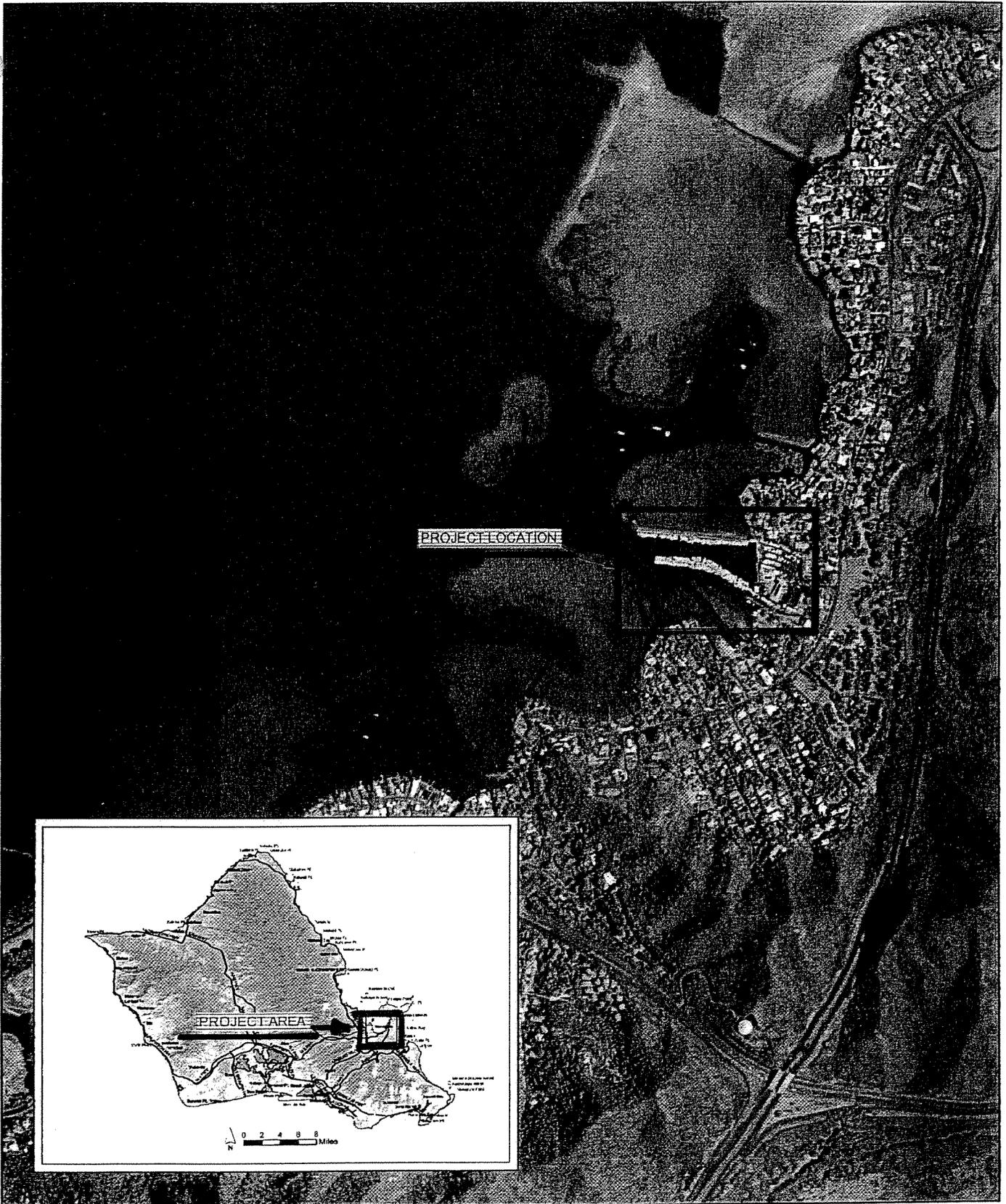


FIGURE 1. Site Location Map
Kaneohe Yacht Club



FIGURE 2. Tax Map Key
Kaneohe Yacht Club



Kaneohe Yacht Club

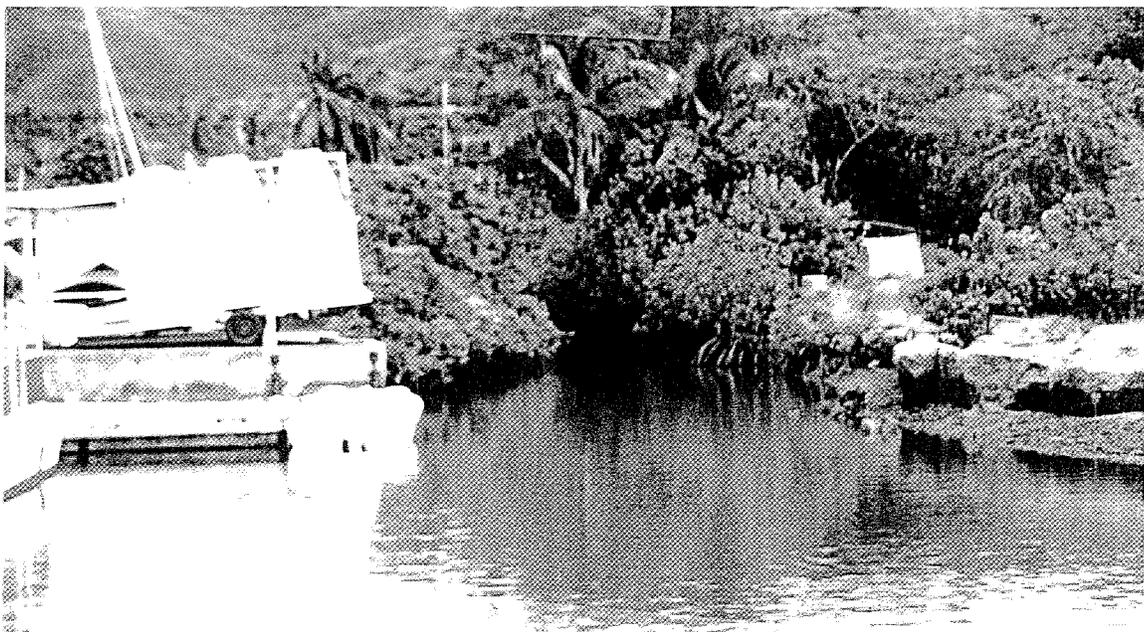
Kaneohe Bay



KYC Vicinity Map

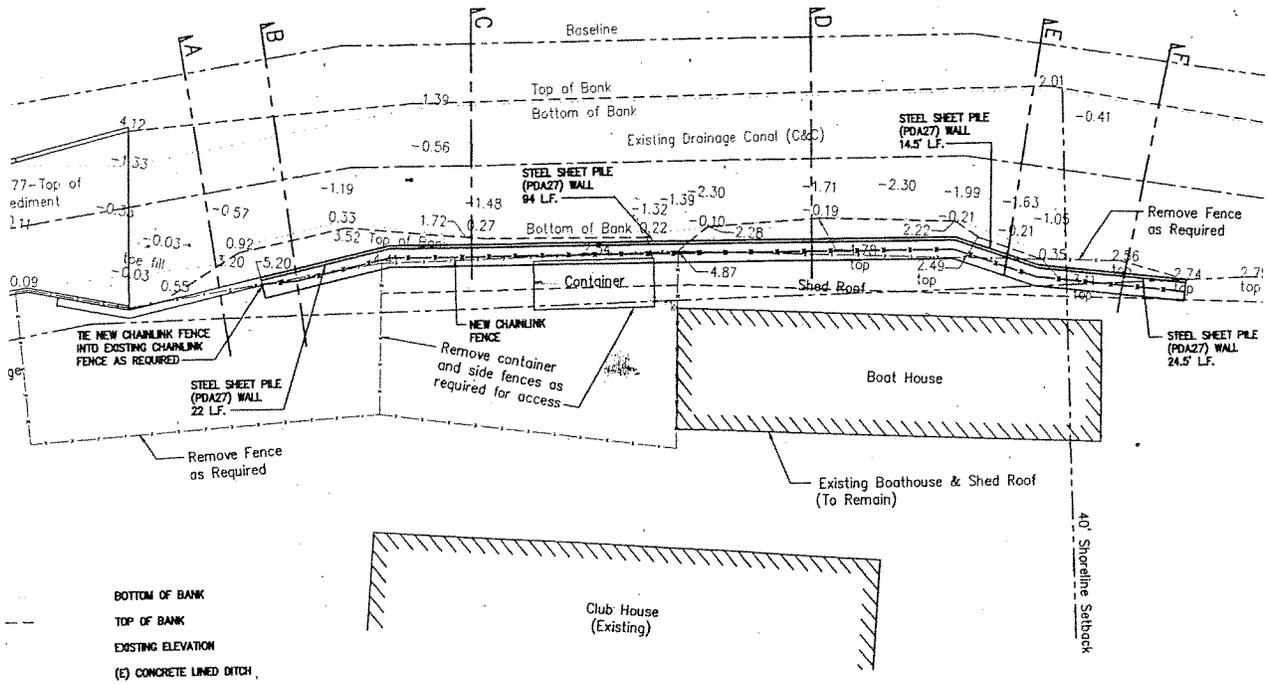


Typical Bank Erosion

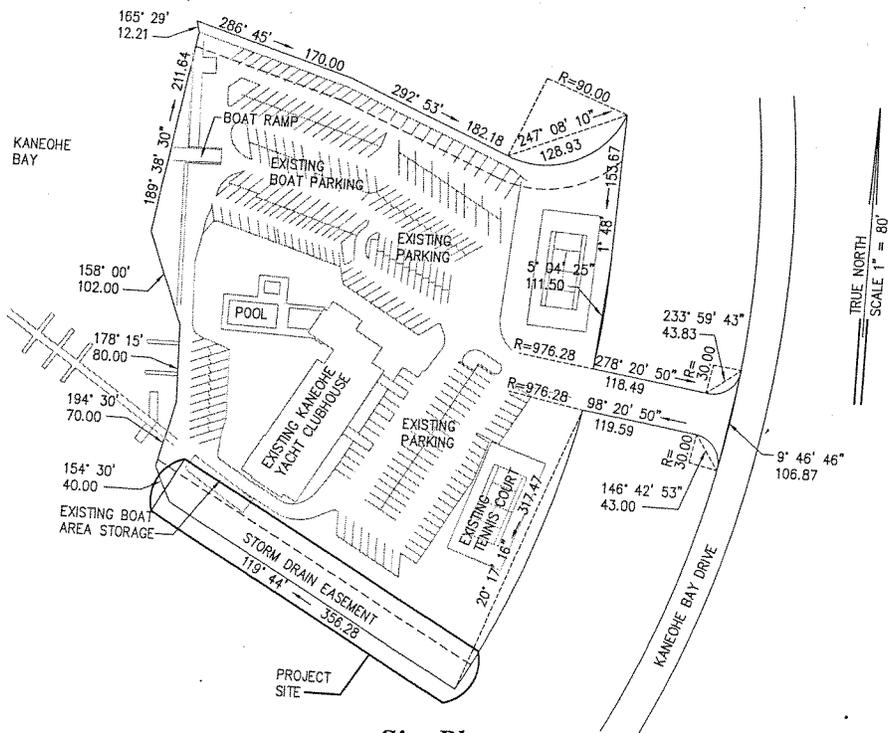


Drainage Outlet Looking Upland

Figure 4.



Topographic Plan



Site Plan

Figure 5

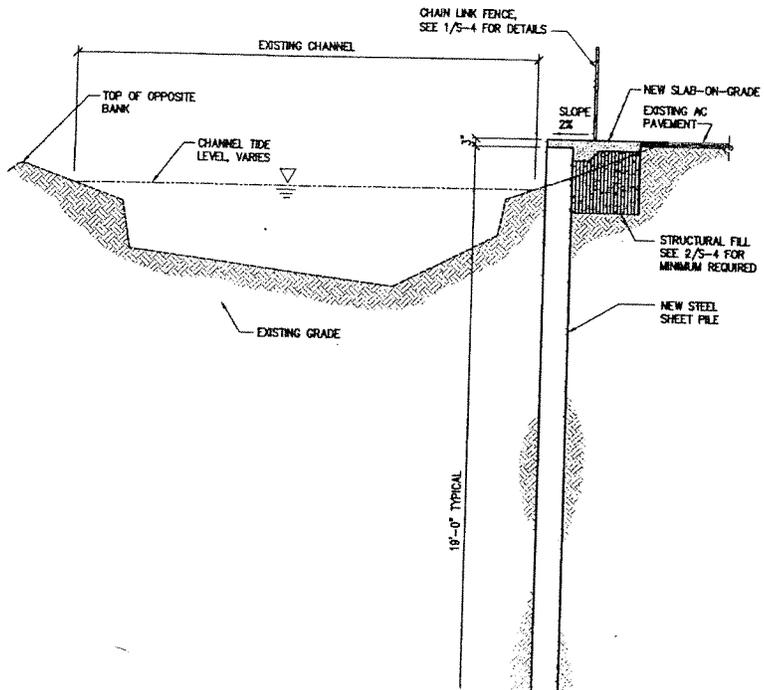
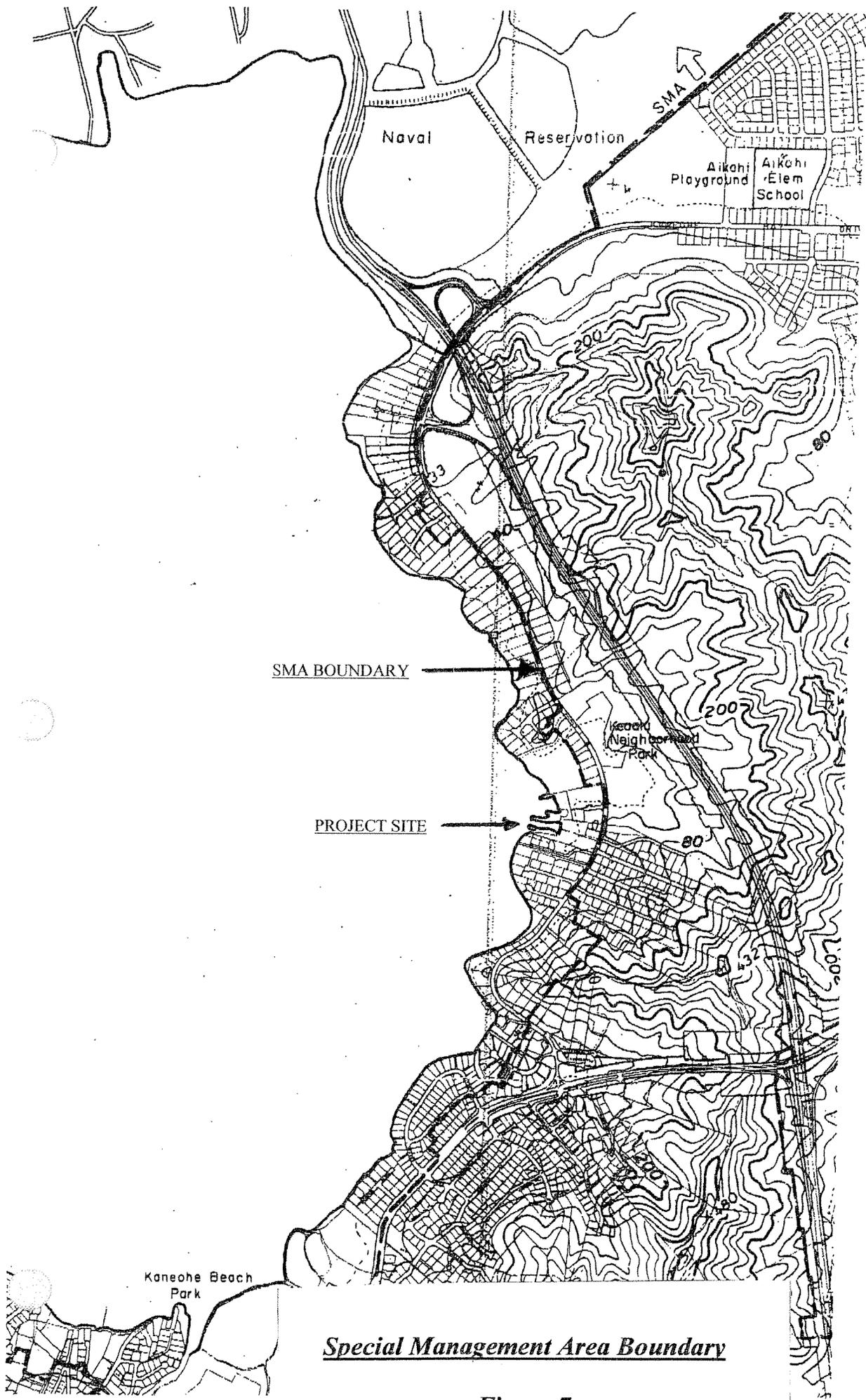


Figure 6: Cross Sectional View



Special Management Area Boundary

Figure 7

Appendix A



DEPARTMENT OF THE ARMY
U. S. ARMY ENGINEER DISTRICT, HONOLULU
FT. SHAFTER, HAWAII 96858-5440

REPLY TO
ATTENTION OF

August 11, 2005

Regulatory Branch

Mr. Gary Wiegand, Commodore
Kaneohe Yacht Club
44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

Dear Mr. Wiegand:

File Number: **POH 2005-442**

This letter is written in regards to your request for an extension to Department of the Army permit 200200270, for the Slope Stabilization project located at Kaneohe Yacht Club, Kaneohe, Hawaii.

Since the project scope of work has not changed and you have encountered other State and County agency permit delays, your request for an extension to the permit is hereby granted up until March 02, 2006. The General and Special conditions attached to the original permit are made a part of this permit extension.

Furthermore, an extension of the Section 401 Water Quality Certification (WQC) will be required. Please contact the State Department of Health Clean Water Branch for an extension to the WQC. Coastal Zone Management Program federal consistency determination was issued on August 1, 2002 and remains valid. All conditions noted in the CZM concurrence and the WQC are incorporated into the Department of the Army permit extension.

Should you have questions, you may call Ms. Lolly Silva at 438-7023 or email at Laurene.l.silva@usace.army.mil. Please update your records to reflect a change of the previous file number 200200270.

Sincerely,

George P. Young, P.E.
Chief, Regulatory Branch

Copy Furnished:

Clean Water Branch, State Department of Health, P.O. Box 3378, Honolulu, HI 96801
Dept. of Business, Economic Development & Tourism, Office of Planning, P.O. Box 2359,
Honolulu, HI 96804



DEPARTMENT OF THE ARMY

U. S. ARMY ENGINEER DISTRICT, HONOLULU
FT. SHAFTER, HAWAII 96858-5440

September 5, 2003

REPLY TO
ATTENTION OF

Regulatory Branch

Mr. Tom Valentine, Commodore
Kaneohe Yacht Club
44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

Dear Mr. Valentine:

This is to confirm that Department of the Army permit authorization for file number 200200270, for the bank stabilization work along a drainage canal located adjacent to Kaneohe Yacht Club became valid on September 2, 2003. This is the date that the State Department of Health issued their determination regarding Section 401 Water Quality Certification (WQC). In order to utilize this authorization, you must adhere to all the conditions described in item #3 of the WQC and the conditions listed in the Coastal Zone Management determination issued on August 1, 2002.

This verification will remain valid until September 2, 2005. Please note that if work has commenced or if you are under contract to commence work prior to the expiration date, you will have an additional 12 months to complete the activity authorized.

In addition, enclosed are the general conditions of the Nationwide permit authorization that you must comply with. Furthermore, general condition no. 14 requires a signed certification be submitted upon completion of work. Therefore, please sign, date and return the enclosed compliance certification upon completion of work.

Should you require additional information, please contact Ms. Lolly Silva of my staff at 438-7023.

Sincerely,



George P. Young, P.E.
Chief, Regulatory Branch

Enclosure

Copy Furnished (w/o Enclosure):

Clean Water Branch, Environmental Management Division,
State Department of Health, P.O. Box 3378, Honolulu, HI
96801-3386

Office of Planning, Coastal Zone Management Program,
P.O. Box 2359, Honolulu, HI 96804

U.S. Fish and Wildlife Service, Ecological Services,
P.O. Box 50088, Honolulu, Hawaii 96850

National Marine Fisheries Service, 1601 Kapiolani Blvd.,
Suite 1110, Honolulu, Hawaii 96814-4700

State Historic Preservation Division, 601 Kamokila Blvd.,
Room 555, Kapolei, Hawaii 96707

LINDA LINGLE
GOVERNOR OF HAWAII



cc Peter 8/27
David
file
Army
CHIYOME L. FUKINO, M.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. BOX 3378
HONOLULU, HAWAII 96801-3378

In reply, please refer to:
EMD / CWB

08059CEC.05

August 16, 2005

Mr. Tom Valentine
Commodore
Kaneohe Yacht Club
44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

Dear Mr. Valentine:

**Subject: Section 401 Water Quality Certification (WQC)
Kaneohe Yacht Club Slope Stabilization, Kaneohe Bay
Island of Oahu, Hawaii
File No. WQC 0000562/Army File No. 200200270**

Reference is made to a letter, dated July 31, 2005, from Ms. Robbie Nicholas, Club Manager, requesting that the Department of Health (Department) extend the expiration date of the subject Section 401 WQC for six months. Our records indicate that the subject Section 401 will expire on September 2, 2005. Ms. Nicholas indicated in her letter that "[W]e have been impacted and delayed starting construction of permitted subject project awaiting issuance of the City and County of Honolulu Shoreline Setback Variance, Special Management Area, and Building Permits, which have been under consideration by C&C since December 2003. Inasmuch as we are advised that the required C&C authorizations will be issued by August 30, 2005, work is expected to commence by that date to include clearing of vegetation and survey layout to be followed by the sheet pile installation. Work within the drainage channel will be completed within 30 days as originally proposed in our permit applications"

This letter is to inform you that Ms. Nicholas' request, on your behalf, is hereby granted. Effective the date of this letter the expiration date of the subject Section 401 WQC is extended to **March 2, 2006**. All other conditions and requirements shall remain unchanged.

Ms. Nicholas also requested that the expiration of the Department of the Army (DA) permit also be extended. This letter is to inform you that the Regulatory Branch of the Honolulu Engineer District (HED) is the only Federal agency that has the authority to extend the expiration date for a issued DA permit or a verified work authorization. Please contact Mr. George Young, Chief of the Regulatory Branch, HED, for the requested DA permit extension.

1082

Mr. Tom Valentine
August 8, 2005
Page 2

Please include File No. **WQC 0000562** and the following certification in all future correspondence with the Department regarding the subject project:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Failure to provide the File No. **WQC 0000562** assigned to this project in any future correspondence or inquiry may be a basis to delay the processing of your correspondence.

Should you have any questions, please contact Mr. Edward Chen of the Engineering Section, Clean Water Branch, at 586-4309.

Sincerely,



THOMAS E. ARIZUMI, P.E., CHIEF
Environmental Management Division

EC:cf

c: Regulatory Branch, HED, COE
PICO, Region 9, EPA
National Marine Fisheries Service
USFWS
DAR, DLNR
Ms. Robbie Nicholas

2.8.2

LINDA LINGLE
GOVERNOR OF HAWAII



cc Tom V
Aaron P.
9/4

CHIYOME L. FUKINO, M.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. BOX 3378
HONOLULU, HAWAII 96801-3378

In reply, please refer to:
EMD / CWB

WQC562.FNL

September 2, 2003

Mr. Tom Valentine, Commodore
Kaneohe Yacht Club
44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

Dear Mr. Valentine:

**Subject: Section 401 Water Quality Certification (WQC) for the
Kaneohe Yacht Club Slope Stabilization, Kaneohe Bay,
Island of Oahu, Hawaii
File No. WQC 0000562/Army File No. 200200270**

In accordance with the provisions of the Clean Water Act, as amended (33 U.S.C. 1251 et seq.; the "CWA"), Chapters 91, 92, and 342D, Hawaii Revised Statutes (HRS), Part 121 of Title 40, Code of Federal Regulations (CFR), and Chapter 11-54 of the Hawaii Administrative Rules (HAR), the Department of Health (Department) has reviewed your Section 401 WQC application and appurtenant data relevant to water quality considerations for the proposed discharge activities. The subject discharge activity is provisionally verified (File No. 200200270) by the Honolulu Engineer District (HED) of the Corps of Engineers (COE), under the authorization of U.S. Department of the Army (DA), Nationwide permit (NWP) #13 (Bank Stabilization) promulgated in January 15, 2002, Federal Register Notices (Volume 67, Number 10) under CWA, Section 404, and Section 10 of the Rivers and Harbors Act (RHA) of 1899. The processing of this Section 401 WQC application is based on requirements contained in CWA, Section 401; HRS, Chapters 91, 92, and 342D; 40 CFR Part 121; and HAR, Chapter 11-54.

Applicant:

Kaneohe Yacht Club (KYC)
44-503 Kaneohe Bay Drive
Kaneohe, HI 96744

Contact: Ms. Robbie Nicholas, Club Manager
Phone: (808) 247-4121

The Director of Health (Director) attests to the following statements based on information contained in the revised Section 401 WQC application package.

1. The Director has either:
 - a. Examined the application submitted by the Kaneohe Yacht Club (KYC) and bases its certification upon an evaluation of the information contained in such application which is relevant to water quality considerations; or
 - b. Examined other information furnished by the KYC sufficient to permit the statement described in Item No. 2. below.
2. With the conditions imposed in Item 3. below, there is a reasonable assurance that the activity will be conducted in a manner which will not violate the Basic Water Quality Criteria applicable to all waters and the Specific Water Quality Criteria applicable to the class of State waters where the proposed discharge(s) would take place.
3. The following conditions are deemed necessary to be imposed with respect to the subject structural shore protection construction works provisionally verified by the HED/COE under DA NWP #13 (Bank Stabilization) authorization and DA File No. 200200270:
 - a. The "discharge" activities that the applicant is seeking coverage for under this Section 401 WQC application are limited to the installation of steel sheet piling and backfills.
 - b. Materials to be temporarily or permanently placed in the Kaneohe Bay identified under this Section 401 WQC application include:
 - (1) Permanent placement of:
 - (a) Approximately 155 linear feet of new epoxy-coated sheet piles.
 - (b) Approximately 10 cubic yards (CY) of quarried gravel backfill.
 - (c) Approximately 6 CY of concrete for concrete cap construction.
 - (2) Temporary placement of silt containment devices.
 - c. This Section 401 WQC:
 - (1) Shall become effective September 2, 2003.

- (2) Shall expire two (2) years from the effective date of the Section 401 WQC, or until the applicable State Water Quality Standards (WQS) are revised or modified, or when the project construction is completed, whichever is earliest. If the applicable State WQS is revised or modified during the two-year period and the activity complies with the revisions or modifications, this Section 401 WQC shall continue to be valid for the remainder of the two-year period. The Director may, upon the written request from the KYC administratively extend the expiration date of this Section 401 WQC if the written request can demonstrate to the Director that there are no significant changes to the project scope and the changes will not, either individually or cumulatively, cause adverse impact to the receiving water quality.
- (3) May be revoked when any of the following is identified:
 - (a) The KYC shall comply with all applicable new State WQS as adopted by the Department. In any case where State WQS applicable to the waters into which the activity may discharge is subsequently established before the activity is completed and the discharge from the construction activity is violating the new WQS, the Director will notify the KYC of the violation. The KYC shall cease the violation within 180 days of the date of the notice. If the KYC failed within 180 days of the date of the notice to cease the violation, the Director may revoke this Section 401 WQC, at the Director's discretion; or
 - (b) The Director determines that the discharge(s) from the activity violates the existing WQS or any condition of this Section 401 WQC, the Director will notify the KYC of the violation. The KYC shall cease the violation within seven (7) days of the date of the notice. If the KYC fail within seven (7) days of the date of the notice to cease the violation, the Director may revoke this Section 401 WQC at the Director's discretion.

These actions shall not preclude the Department from taking other enforcement action authorized by law.

Written notification by the Director under this section is complete upon mailing or sending a facsimile transmission of the document or actual receipt of the document by KYC.

d. The KYC shall:

- (1) Invite the Department's representative(s) to attend the partnering, pre-construction or any other similar type of meeting that is established for the proposed construction project.

- (2) Notify the CWB [via telephone number (808) 586-4309] at least three (3) working days before any work is to begin.
- (3) Notify the CWB within 14 days after the completion of the proposed construction activities (including the disturbed sites restoration activities).
- (4) Comply, and shall also require the contractor(s) to comply, with the notification, technical specifications, site-specific Best Management Practices (BMPs) Plan, Water Quality Monitoring and Assessment Plan (WQMAP), and any other project-related information or requirements submitted to the Department with the March 27, 2003 revised Section 401 WQC application.
- (5) Properly conduct or contract with a qualified laboratory/environmental consultant to conduct applicable monitoring and assessment in accordance with the WQMAP as contained in the March 27, 2003 revised Section 401 WQC application.

Should the construction duration exceeds one (1) month or turbidity plume is evident outside the implemented silt containment device(s), the KYC shall also monitor the receiving State water turbidity on a daily basis. Three (3) sampling stations shall be established and monitored. One (1) impact station shall be located within three (3) feet down stream or down current, as appropriate, of the silt containment device(s). Two (2) control stations each shall be located within 50 feet of the upper and lower construction limits.

Test methods promulgated in 40 CFR Part 136 effective on July 1, 1998, and, when applicable, the chemical methodology for sea water analyses (see HAR, Section 11-54-10) shall be used. The detection limits of the test methods used shall be equal to or lower than the applicable WQS as specified in HAR, Chapter 11-54. For situations where the applicable WQS is below the detection limits of the available test methods, test method which has the detection limit closest to the applicable water quality standards shall be used. If a test method has not been promulgated for a particular parameter, the applicant may submit an application through the Director for approval of an alternate test procedure by following 40 CFR §136.4.

The Director may, at the Director's own discretion or upon written request from the KYC and on a case-by-case basis, require the KYC to modify the monitoring frequency(ies), monitoring additional parameter, or change the sampling locations, as appropriate. If a written request is submitted for the reduction of monitoring frequency(ies), it shall be accompanied by an

assessment of monitoring results which shall clearly demonstrate that the project construction activity related discharge has fully complied with the applicable water quality standards.

The KYC shall conduct post-construction receiving water monitoring as specified in the WQMAP unless otherwise waived by the Director in writing.

- (6) Forward all color photographs to the CWB as soon as they become available or as otherwise specified in the acceptable WQMAP. Field sampling data, as applicable in 3.d(5) above, shall be forwarded to the CWB by fax the same day of the sampling.
- (7) Ensure that silt curtain(s) and/or other appropriate and effective silt containment device(s) will be properly deployed prior to the commencement of any in-water construction work; be properly maintained throughout the entire period of the in-water construction work; and not be removed until the in-water work is completed and the water quality in the affected area has returned to its pre-construction condition as demonstrated by the monitoring results.
- (8) Ensure that all construction activity-related discharges will be conducted in a manner that complies with the "Basic Water Quality Criteria Applicable to All Waters" as specified in HAR, Section 11-54-04.
- (9) Ensure that all material(s) placed or to be placed in State waters will be free of waste metal products, organic materials, debris, and any pollutants at toxic or potentially hazardous concentrations to aquatic life as identified in HAR, Subsection 11-54-04(b).
- (10) Ensure that construction debris be contained and prevented from entering or re-entering State waters.
- (11) Immediately cease the portion of the construction work which is causing or may cause noncompliance with HAR, Subsection 11-54-04(a) or Subsection 11-54-4(b) or the portion of the construction is damaging or will cause damage to the marine environment or the coral reef as is indicated through water quality monitoring results or during the daily inspection or observations. The construction activity shall not resume until adequate mitigative measures are implemented and appropriate corrective actions are taken and approved by the Director. The KYC shall not hold the Department responsible for any damages or costs incurred due to the cessation of the construction works.

- (12) Immediately report any spill(s) or other contamination(s) that occurs at the project site to the CWB.
 - (13) Ensure that all temporarily constructed facilities or structures will be removed immediately after the completion of the construction works and affected area(s) is properly restored.
 - (14) Allow the Department's representative(s) to make periodic inspections in accordance with HRS, Section 342D-8.
 - (15) Discontinue the work during flood conditions.
 - (16) Hold clearing and grubbing work to a minimum.
 - (17) Ensure that:
 - (a) Erosion and sediment control measures be in place and functional before earth moving operations begin;
 - (b) Temporary soil stabilization be applied on areas that will remain unfinished for more than 30 calendar days; and
 - (c) Permanent soil stabilization be applied as soon as practicable after final grading.
- e. The KYC shall review and update the effectiveness and adequacy of the WQMAP, the implemented BMPs and/or environmental protection measures, and the mitigative measures (if any) as often as needed. The KYC shall modify the WQMAP, the implemented BMPs and/or environmental protection measures and mitigative measures (if any) upon request or when instructed by the Director. Any change(s) to the accepted site-specific BMPs plan or WQMAP or correction(s) or modification(s) to information already on file with the Department shall be submitted to the CWB, for review and comment, as such change(s), correction(s) or modification(s) arise. The KYC shall properly address all comment(s) and/or concern(s) to the Director's satisfaction before such change(s), correction(s) or modification(s) become effective.
- f. The KYC shall ensure that all demolition debris and/or dredged/excavated materials will be properly removed from the marine environment and be disposed of at an upland site(s) approved by the Federal, State, or County government. The enclosed Solid Waste Disclosure Form for Construction Sites shall be completed and returned to the Department's Office of Solid Waste Management. No construction material

or construction-related materials shall be stockpiled, stored, or placed in the aquatic environment or stored or placed in ways that will disturb the aquatic environment.

- g. The KYC shall obtain a National Pollutant Discharge Elimination System permit for any discharge(s) that is regulated pursuant to CWA, Section 402; HRS, Chapter 342D; and HAR, Chapters 11-55 and 11-54.
- h. There shall be no discharge of return flow, overflow, or runoff from dredged spoils dewatering and/or stockpiling site, if any.
- i. Although temporary increasing in turbidity level is expected within the areas to be isolated and confined by the silt curtain, any visible floating debris, oil, grease, scum, other floating materials, or objectionable color, or turbidity plume, detected outside the confined/isolated areas constitutes violation to HAR, Subsection 11-54-04(a) requirements.

The KYC shall cease the construction activity temporarily when turbidity monitoring result collected from the impact station(s) immediate outside the silt curtain wall is 10% (or 10.0 ntu, whichever is lower) or more higher than the turbidity monitoring result collected at the control station that represents the ambient water quality. The KYC shall not resume the construction operations until an appropriate and effective measure, acceptable to the Department, can be properly implemented. The KYC shall not hold the Department responsible for any damages or costs incurred due to the temporary cessation of the construction operations. This action shall not preclude the Department from taking enforcement action authorized by law.

- j. It is the KYC's responsibility to ensure that the epoxy-coated new sheet piles "structure shore protection" will not accelerate the shore erosion to the opposite canal bank.

The KYC has published a public notice of the proposed certification in the Honolulu Star Bulletin on July 11, 2003 for the subject activity.

After consideration of the expressed views of all interested persons and agencies and pertinent State statutes and rules, the Department hereby issues this Section 401 WQC to KYC for the proposed Slope Stabilization located at Kaneohe Bay, Island of Oahu, Hawaii

Please include File No. WQC 0000562 and the following certification in all future correspondences with the Department regarding the subject project:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to

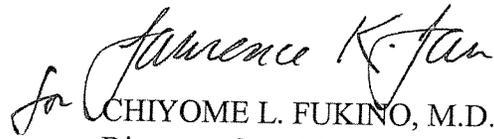
Mr. Tom Valentine
September 2, 2003
Page 8

assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Failure to provide the File No. WQC 0000562 assigned to this project in any future correspondence or inquiry may be a basis to delay the processing of your correspondence.

Should you have any questions, please contact Mr. Edward Chen of the Engineering Section, CWB, at (808) 586-4309.

Sincerely,


CHIYOME L. FUKINO, M.D.
Director of Health

Enclosure

- c: Pacific Island Contact Office, Region 9/EPA (w/o encl.)
- Regulatory Branch, HED/COE (w/o encl.)
- CZM Program, Office of Planning/State DBEDT (w/o encl.)
- CWRM/DLNR (w/o encl.)
- DDC/CCH (w/o encl.)

STATE OF HAWAII
DEPARTMENT OF HEALTH
OFFICE OF SOLID WASTE MANAGEMENT

Solid Waste Disclosure Form for Construction Sites

The following form shall be filled out for construction projects either identified as under 40 CFR 122.26(b)(14)(x) or produces (or will produce) dredged spoils. A response must be provided for each item. If an item is not relevant to the activity, indicate by "Not Applicable" (N/A), with a short comment.

This form will help the Department of Health, Office of Solid Waste Management (OSWM), to identify sources of construction/demolition and site clearing debris. The Department is responsible for the proper disposal of such solid waste. Violators of the regulations Title 11, Chapter 58, "Solid Waste Management Control," are subject to enforcement, corrective actions, and fines.

Completed forms shall be mailed to the Department of Health, Environmental Management Division, OSWM, P.O. Box 3378, Honolulu, Hawaii 96801-3378. Questions regarding this form should be directed to OSWM at 586-4240.

I. Site Information

- A. Address of site: _____
- B. Owner of site: _____
Address of owner: _____
Phone Number: _____
- C. Tax map key: _____
Size of site: (in acres) _____
- D. Department of Public Work's grading permit no.: _____

II. Site Activity Information

- A. State the kinds of site clearing activities to be completed. State final use of site. Describe the general topography of site, i.e., whether level or sloped. _____



**DEPARTMENT OF BUSINESS,
ECONOMIC DEVELOPMENT & TOURISM**

BENJAMIN J. CAYETANO
GOVERNOR
SEIJI F. NAYA, Ph.D.
DIRECTOR
SHARON S. NARIMATSU
DEPUTY DIRECTOR
DAVID W. BLANE
DIRECTOR, OFFICE OF PLANNING

OFFICE OF PLANNING

235 South Beretania Street, 6th Floor, Honolulu, Hawaii 96813
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804

Telephone: (808) 587-2846
Fax: (808) 587-2824

Ref. No. P-9778

August 1, 2002

Ms. Robbie Nicholas, Manager
Kaneohe Yacht Club
44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

Dear Ms. Nicholas:

Subject: Hawaii Coastal Zone Management (CZM) Program Federal Consistency
For the Proposed Steel Sheet Piling Bank Stabilization Project
Kaneohe Yacht Club, Kaneohe Bay, Island of Oahu
WQC File No. 0000562 Department of the Army File No. 200200270

We have reviewed the Kaneohe Yacht Club proposal for steel sheet piling bank stabilization within the existing storm water drainage canal, along the Kaneohe Yacht Club. We concur with your CZM determination that the activity is consistent based on the following conditions:

1. Proposed construction and improvements of the project shall comply with State water quality standards, as specified in Hawaii Administrative Rules (HAR), Chapter 11-54, and Hawaii Revised Statutes, Chapter 342D, which are administered by the Department of Health (DOH) and are federally-approved enforceable policies of the Hawaii CZM Program.
2. Runoff from construction activities and parking areas shall be appropriately mitigated and comply with applicable State of Hawaii water quality standards as specified in the HAR, Chapter 11-54, and water pollution control requirements as specified in Chapter 11-55, which are administered by DOH and are federally-approved enforceable policies of the Hawaii CZM Program.
3. The approval of a completed Water Quality Certificate, Best Management Practices and Monitoring Plan, as required by the Department of Health.

Ms. Robbie Nicholas

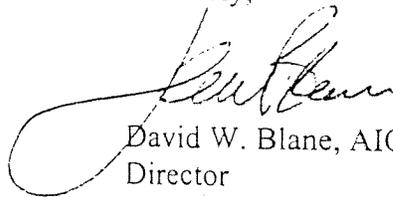
Page 2

August 1, 2002

4. A silt containment device shall be installed prior to construction and properly maintained throughout the duration of construction. Removal of the silt containment device shall not cause turbidity that violates State water quality standards.
5. If artifacts or human remains are uncovered during construction activity, work in the area will stop and the State Historic Preservation Division will be immediately notified and all applicable requirements of the Department of Land and Natural Resources will be followed.
6. The project shall be in compliance with regulations for the Shoreline Setback Area and Special Management Area, which are administered by the City and County of Honolulu, Department of Planning and Permitting.
7. Changes to the project are subject to CZM federal consistency. Should there be changes to the project, we require that you submit the amendments for our review.

CZM consistency concurrence is not an endorsement of the project nor does it convey approval with any other regulations administered by any State or County agency. Thank you for your continued compliance with Hawaii's CZM Program. Should you have any questions, please call Debra Tom of our CZM Program at 587-2840.

Sincerely,



David W. Blane, AICP
Director
Office of Planning

- c: U.S. Army Corps of Engineers, Regulatory Branch
Dr. Wendy Wiltse, U.S. Environmental Protection Agency
U.S. Fish and Wild life Service, Pacific Islands Ecoregion
U.S. National Marine Fisheries Service, Pacific Area Office
Department of Health, Clean Water Branch
Department of Land & Natural Resources,
Planning & Technical Services Branch
State Historic Preservation Division
Department of Planning and Permitting, City & County of Honolulu

File No: 02-761

State of Hawaii
Department of Land and Natural Resources
DIVISION OF AQUATIC RESOURCES
September 23, 2002

MEMORANDUM

To: Dierdre S. Mamiya, Administrator
Land Division

From: *JW* William Devick, Administrator *WJD*
Division of Aquatic Resources

Subject: Comments on x Installation of steel sheet piling within an existing storm drainage canal

Comments Requested By: Barry Cheung

Summary of Project

Title: Installation of Steel Sheet Piling
Proj. By: Kaneohe Yacht Club
Location: Kaneohe Bay, Kaneohe, Oahu, Hawaii

Brief Description:

Kaneohe Yacht Club proposes to install sheet steel piling within the drainage canal, which runs adjacent to the southern boundary of their property. The purpose of the sheet piling is to abate continuing erosion of the canal bank, which has undermined existing concrete slabs and is threatening adjacent lands. If the problem is not addressed, the applicant will incur more costly repairs to their facilities.

In the mid-90's, permits were obtained to install a stone revetment in the same area. Since the drainage canal is within a City and County easement, it was the applicant's hope that the C&C would undertake the necessary repairs. Since this has not occurred, and the applicant has in the interim incurred more damage to property and structures, the applicant has decided to go forward with the project.

The current project, consisting of steel sheet piling is considered less intrusive to the marine environment than the previously authorized stone revetment. Work within the coastal waterway will be limited to the upstream and downstream ends where the sheet piling will tie into the existing bulkhead and canal lining. Much of the steel piling will be installed above the high water line. Some backfill will be needed behind the sheet piling.

Comments:

The applicant should take appropriate mitigative measures to minimize erosion and siltation, and prevent fuel, oil, hydraulic fluid and other toxic substances associated with the use of heavy machinery from falling or leaching into the drainage canal.

DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
ENGINEERING BRANCH

COMMENTS

For your information, the project site is located in Zone D. This is an area where flood hazards are undetermined.

However, if future studies determine that the project site is within the flood zone, the project must comply with rules and regulations of the National Flood Insurance Program (NFIP) and all applicable County Flood Ordinances. If there are questions regarding the NFIP, please contact the State Coordinator, Mr. Sterling Yong, of the Department of Land and Natural Resources at 587-0248. If there are questions regarding flood ordinances, please contact applicable County representative.

If you have any questions, please call Mr. Eric Yuasa of the Project Planning Section at 587-0229.

Signed: _____

Andrew M. Monden
ANDREW M. MONDEN, CHIEF ENGINEER

Date: _____

10/2/02

Appendix B

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

JUN 14 2005

*CC - DAVID
Peter Nothman
6/28 Ken P.*

PETER T. YOUNG
CHAIRPERSON

MEREDITH J. CHING
CLAYTON W. DELA CRUZ
JAMES A. FRAZIER
CHIYOME L. FUKINO, M.D.
LAWRENCE H. MIKE, M.D., J.D.
STEPHANIE A. WHALEN

DEAN A. NAKANO
ACTING DEPUTY DIRECTOR

Mr. Harvey Minsky, P.E.
Construction/Contact Administration
1116 Mokapu Blvd.
Kailua, HI 96734-1844

Dear Mr. Minsky:

Stream Channel Alteration Permit Applicability
Drainage Easement, Kaneohe Bay, Oahu, TMK: 4-4-022:032

This is regarding the draft Environmental Assessment for the South Drainage Easement Bank Stabilization Project. You asked whether a stream channel alteration permit (Hawaii Revised Statutes §174C-71) will be required to modify a drainage channel that passes the southern side of Kaneohe Yacht Club property. The watercourse does not support instream uses, therefore it is not considered to be a stream as defined in the State Water Code, and a stream channel alteration permit will not be required if it is modified.

The stabilization project may require other agency approvals regarding water quality, wetlands, grading, grubbing, stockpiling, and floodway and drainageway maintenance. This letter does not constitute or imply compliance with other federal, state or county rules.

Thank you for your inquiry. If you have any questions, please call David Higa at 587-0249.

Sincerely,

Edwin T. Sakoda
for: DEAN A. NAKANO
Acting Deputy Director

c. Kaneohe Yacht Club



Kaneohe Yacht Club

44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

September 2, 2005

*State of Hawaii
Department of Land and Natural Resources
Commission on Water Resource Management
PO Box 621
Honolulu, HI 96809*

Dear Mr. Nakano,

Thank you for your timely response to the Draft Environmental Assessment for our proposed south drainage easement bank stabilization project.

Be assured that although a stream channel alteration permit is not required, other pertinent City & County, State and Federal permits are being obtained prior to execution of the work.

Sincerely,

*Robbie Nicholas
Club Manager*

LINDA LINGLE
GOVERNOR OF HAWAII



cc - Peter
MJC RL

GENEVIEVE SALMONSON
DIRECTOR

STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL

235 SOUTH BERETANIA STREET
SUITE 702
HONOLULU, HAWAII 96813
TELEPHONE (808) 586-4185
FACSIMILE (808) 586-4186
E-mail: oeqc@health.state.hi.us

August 3, 2005

Mr. Henry Eng, Director
Department of Planning and Permitting
City and County of Honolulu
650 South King Street
Honolulu, Hawai'i 96813

Dear Mr. Eng:

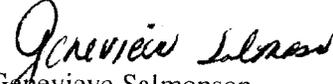
Subject: Draft EA for the Kaneohe Yacht Club South Drainage Easement Bank Stabilization Project

Thank you for the opportunity to comment. Here are our comments.

1. Who is responsible for maintaining the drainage channel?
2. Do you anticipate any of the excavated material to contain contamination?
3. What authorization did you receive from DLNR? Is a Conservation District permit required? Is a Stream Channel Alteration Permit Required? Is a shoreline certification required?
4. Please include a table of contents.
5. Please notify the neighborhood board.

Please call Jeyan Thirugnanam at 586-4185 if you have any questions.

Sincerely,


Genevieve Salmonson
Director

C: KBYC



Kaneohe Yacht Club

44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

August 18, 2005

Genevieve Salmonson
State of Hawaii
Office of Environmental Quality Control
235 Beretania St. Suite 702
Honolulu, Hi. 96813

Subject: *Draft EA for the Kaneohe Yacht Club South Drainage Easement Bank Stabilization Project.*

Dear Director Salmonson:

Pursuant to your August 3, 2005 letter to Mr. Henry Eng, Director, Department of Planning and Permitting, subject as above, the following is provided in response to the copy furnished to us by your office.

1. *The City and County of Honolulu is responsible for maintaining the drainage channel. Budgetary constraints have prevented them from conducting the necessary maintenance, and continued erosion is threatening the structural stability of Kaneohe Yacht Club property and resources. Consequently, we are undertaking this effort with club funds.*
2. *There is no plan to excavate material from the drainage channel. However, the surrounding drainage basin has no history of industrial or commercial activity that would have contributed to the potential for contaminations.*
3. *Comments received from DLNR Land Division and Division of Aquatic Resources offered no objection to the proposed project. Application for Special Area Management Use Permit and Shoreline Setback Variance is being processed by City and County. State DLNR Commission on Water Resource Management has reviewed the proposed project and has notified us that a stream channel alteration permit is not required. We also have obtained Hawaii CZM approval. Finally, shoreline re-certification has been completed.*
4. *The Kaneohe Neighborhood Board has been notified.*

If you have any questions, please call me at 247-4121.

Sincerely,


Robbie Nicholas
Club Manager



Kaneohe Yacht Club

44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

August 17, 2005

*Kaneohe Neighborhood Board #30
c/o Larry Zdvoracek
45-162 Kokokahi Place
Kaneohe, Hi. 96744*

Gentlemen:

Enclosed for your information is our Environmental Assessment for South Drainage Easement Bank Stabilization, which will eliminate continued erosion into Kaneohe Bay. We have received Federal and State authorization for the project and application has been made for the necessary City & County permits.

If you have any further questions, please contact our office at 247-4121.

Sincerely,

*Robbie Nicholas
Club Manager*

RN/jel



HOUSE OF REPRESENTATIVES

STATE OF HAWAII
STATE CAPITOL
HONOLULU, HAWAII 96813

July 29, 2005

Department of Planning and Permitting
City and County of Honolulu
ATTN: Steve Tagawa
650 South King Street, 7th Floor
Honolulu, HI 96813

Dear Mr. Tagawa:

I am writing to express my strong support for the Kaneohe Yacht Club South Drainage Easement Stabilization project. This project will help to repair erosion in the immediate area, and will improve drainage in the area. These improvements will help to prevent further erosion, improving both land and water quality in the surrounding area.

As this project will improve the quality of the environment in the surrounding areas, I am hopeful that your agency will issue all approvals necessary for the completion of this project.

Sincerely,

Representative Cynthia Thielen
Assistant Minority Floor Leader
50th District (Kailua – Kaneohe Bay)



Kaneohe Yacht Club

44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

September 2, 2005

Representative Cynthia Thielen
State of Hawaii
House of Representatives
415 South Beretania St., Room 443
Honolulu, HI 96813

Cynthia
Dear Representative Thielen,

Thank you for your letter of July 29, 2005 to the Department of Planning and Permitting in support of Kaneohe Yacht Club proposed South Drainage Easement Stabilization project. As you recognize, the project will mitigate the adverse environmental impacts of continual erosion of the canal bank.

Sincerely,

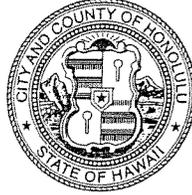
Peter
Peter Nottage
Commodore

cc: Daniel
S. Eassey file

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813
TELEPHONE: (808) 523-4432 • FAX: (808) 527-6743
DEPT. INTERNET: www.honolulu.gov • INTERNET: www.honolulu.gov

MUFI HANNEMANN
MAYOR



HENRY ENG, FAICP
DIRECTOR

DAVID K. TANOUE
DEPUTY DIRECTOR

2005/ED-13 (ST)

August 22, 2005

Mr. Tom Valentine
Kaneohe Bay Yacht Club
44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

Dear Mr. Valentine:

Subject: Draft Environmental Assessment (DEA)
Kaneohe Bay Yacht Club South Drainage Bank
Stabilization Project
Shoreline Setback Variance (SV) and
Special Management Area Use Permit (SMA)
44-503 Kaneohe Bay Drive - Kaneohe
Tax Map Key 4-4-22: 32

We have reviewed the Draft Environmental Assessment (DEA) for the above-referenced project and offer the following comments:

General Information

The reason for the preparation of the DEA should be listed in this section as use of the shoreline as defined in Chapter 205A-41, Hawaii Revised Statutes and Section 11-200-6(b)(1)(C), Hawaii Administrative Rules (HAR).

The accepting authority for the DEA should be identified as the Department of Planning and Permitting (DPP).

This section should indicate that the site is located within the Special Management Area (SMA), and should include an exhibit that illustrates the SMA boundary relative to the project site. The county zoning of the site should also be disclosed.

This section should also indicate that a Finding of No Significant Impact (FONSI) is anticipated.

Mr. Tom Valentine
Page 2
August 22, 2005

General Description

A section should be added that briefly describes the existing Kaneohe Yacht Club facility (i.e., the number of buildings, when were they built, etc.). A more complete description of the drainage easement should also be provided (e.g., where does it originate, its dimensions, who it is in favor of, etc.).

Description of Proposed Action

This section should be expanded to provide technical characteristics of the project, such as the location of the shoreline (certified) and describe how much of the project will actually be with the shoreline setback, and therefore subject to compliance with the requirements of Chapter 23, Revised Ordinances of Honolulu (ROH). The final EA should elaborate on the "vibratory method" of installing the sheet piles. This section should also clarify if test boring and soils analysis were conducted to determine that the proposed solution to bank stabilization would be effective.

Alternative Actions

This section should be expanded to briefly elaborate on what alternatives were considered and why those alternatives were not considered (i.e., composite sheet piles, etc.).

State and County Land Use Plan & Policies

A section should be added which describes how the proposed project is consistent with the objectives and policies of the City and County of Honolulu's General Plan, and the Koolaupoko Sustainable Communities Plan (SCP). Specifically, the SCP's policies pertaining to drainage systems (pages 4-18,19) and the use of natural and man-made vegetated drainage ways (Sections 4.6.1 and 4.6.2) should be addressed.

Special Management Area, Chapter 25, ROH

A section should be added which lists and describes how the proposal conforms to the objectives of the SMA pursuant to Chapter 25, ROH.

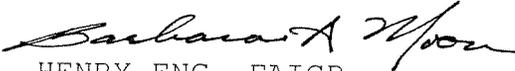
Mr. Tom Valentine
Page 3
August 22, 2005

Effects on the Environment

This section appears to address the project's effects on the environment relative to the significance criteria of EIS regulations, Section 11-200-12, Hawaii Administrative Rules (HAR). We suggest that this section be revised to explicitly cite each of the 13 significance criteria, followed by the discussion of the findings and reasons supporting the anticipated Finding of No Significant Impact (FONSI).

If you have any questions, please contact Steve Tagawa of our staff at 523-4817.

Sincerely yours,


HENRY ENG, FAICP
for Director of Planning
and Permitting

HE:cs

cc: DFM-City and County of Honolulu

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Kaneohe Yacht Club

44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

September 2, 2005

*Henry Eng, FAICP
Director of Planning and Permitting
City & County of Honolulu
650 South King Street, 7th Floor
Honolulu, HI 96813*

*Subject: Draft Environmental Assessment for Kaneohe Yacht Club South Drainage
Easement Bank Stabilization Project*

Dear Mr. Eng,

*Thank you for your August 22, 2005 review/comments on our Draft Environmental
Assessment for subject project.*

*We are revising the draft document as necessary to incorporate response to all
comments, recommendations and suggestions in the Final Environmental Assessment,
and we expect to submit the completed revised document by September 15th.*

*I would like to acknowledge the assistance provided by Steve Tagawa of your staff, with
whom we have been coordinating our efforts these past several months to complete this
endeavor.*

Sincerely,

*Robbie Nicholas
Club Manager*

PHONE (808) 594-1888

FAX (808) 594-1865



STATE OF HAWAII
OFFICE OF HAWAIIAN AFFAIRS
711 KAPI'OLANI BOULEVARD, SUITE 500
HONOLULU, HAWAII 96813

HRD05/1949

August 28, 2005

Henry Eng, FAICP
Director of Planning and Permitting
City and County of Honolulu
650 South King Street, 7th Floor
Honolulu, HI 96813

RE: Request for comment on Kaneohe Bay Yacht Club's request for a shoreline setback variance; Kaneohe, O'ahu, TMK: 4-4-022:032

Dear Henry Eng,

The Office of Hawaiian Affairs (OHA) is in receipt of your July 12, 2005, request for comments on the above project, which would include installing 160 feet of steel sheet pile, backfill and new, 4-inch-thick concrete walkway and chain link fence to stabilize a bank of the south drainage easement at 44-503 Kaneohe Bay Drive. OHA apologizes for the delay, and offers the following comments.

Because no maintenance has occurred on the drainage way since it was built in the mid-1970s, OHA understands the need to improve drainage and perform prescriptive and preventative maintenance. OHA appreciates the use of a silt curtain, and will rely on the applicant's assurances that there will be no damage to marine life or water quality by this proposed project.

OHA further requests assurances that should iwi kūpuna or Native Hawaiian cultural or traditional deposits be found during project activities, work will cease, and the appropriate agencies will be contacted pursuant to applicable law.

Henry Eng
August 28, 2005
Page 2

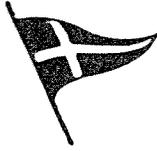
Thank you for the opportunity to comment. If you have any further questions or concerns please contact Heidi Guth at 594-1962 or e-mail her at heidig@oha.org.

Sincerely,



Clyde W. Nāmu'o
Administrator

CC: Kaneohe Yacht Club ✓
44-503 Kaneohe Bay Drive
Kaneohe, HI 96744-2525



Kaneohe Yacht Club

44-503 Kaneohe Bay Drive
Kaneohe, Hawaii 96744

September 7, 2005

*Clyde W. Namuo
State of Hawaii
Office of Hawaiian Affairs
711 Kapiolani Blvd, Suite 500
Honolulu, HI 96813*

Subject: Request for Shoreline Setback Variance, Kaneohe Yacht Club

Dear Mr. Namuo:

Reference is made to your August 28, 2005 letter to Mr. Henry Eng, Director of Planning and Permitting which indicated comments on subject request or identified in the Draft Environmental Assessment for Bank Stabilization.

In as much as minimal surface excavation is contemplated, and all work is being performed in previously disturbed areas, no cultural, historical or archaeological finds are anticipated. However, please be assured that if iwi kupuna or Native Hawaiian cultural or traditional deposits are found during project activities, work will cease until satisfactory resolution is reached with the appropriate agencies.

Thank you for providing pertinent comments on our proposed project.

Sincerely,

*Robbie Nicholas
Club Manager*

Appendix C



CONTROLPOINT
Surveying, Inc.

May 12, 2004
Job No. 03053

Office of the Chairperson
Department of Land and Natural Resources
Kalanimoku Building, First Floor
1151 Punchbowl Street
Honolulu, Hawaii 96813

Gentlemen:

Subject: Shoreline Survey
Kaneohe Yacht Club Site
TMK 4-4-22: 032
Kaneohe, Koolaupoko, Oahu, Hawaii

On behalf of the owner, we request re-certification of the shoreline fronting the subject properties on the basis that the boundary follows along the seaward face of the concrete wall. As shown on the attached map, the shoreline was certified by your office on June 25, 1990 and re-confirmed on June 29, 1994

We provide the following for your files and use:

1. Ten (10) prints of the shoreline map.
2. Photographs of the shoreline is included within the shoreline map.
3. Letter of Authorization from the property owners to access their property and the application fee of \$75.00.

The purpose of this application is to have the State of Hawaii certify the shoreline (along the seaward face of the of the concrete wall) so that the yacht club may process the building permit with the City and County of Honolulu. The survey was performed on April 16 and May 5, 2004 under the supervision of Wilfred Chin.

ControlPoint Surveying, Inc. is the agent and contact is:
Wilfred Chin, LPLS
1150 S. King Street, Room 102
Honolulu, Hawaii 96814
Phone: 591-2022 ext. 105

Should you have any questions, please do not hesitate to call me.

Very truly yours,

Wilfred Chin

Wilfred Chin, LPLS
Project Surveyor

attach

e:\wpdocs\state\yacht.sc

Oahu 1150 South King Street, Suite 102
Honolulu, Hawaii 96814
Ph. (808) 591-2022 • FAX (808) 591-8333

Maui 1129 Lower Main Street, Suite 102
Wailuku, Hawaii 96793
Ph. (808) 242-9641 • FAX (808) 244-9220

Land

LINDA LINGLE
GOVERNOR OF HAWAII



PETER T. YOUNG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

DAN DAVIDSON
DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

May 12, 2004

OA-149-2CONTROLPOINT
LD-NAV

ControlPoint Surveying, Inc.
Wilfred Chin, LPLS
1150 South King Street, Suite 102
Honolulu, Hawaii 96814

Dear Mr. Chin:

Subject: Shoreline Certification Request (Re-confirm)
Applicant: ParEn, Inc. - Owner: Kaneohe Yacht Club
Location: Island: Oahu - District: Kaneohe - TMK: 4-4-22: 032
Photos: May 5, 2004 at 12:00 Noon

We are in receipt of your application (May 12, 2004) requesting for re-certification of the Certified Shoreline dated June 29, 1994 for the subject property.

We have assigned the file number QA-149-2 to this application.

Your shoreline survey map(s) and other supporting documents were submitted to the Department of Accounting and General Services' Survey Division for their review and appropriate action.

The State of Hawaii Land Surveyor will review the shoreline map and photos in accordance to Hawaii Administrative Rule 13-222-11.

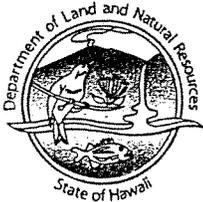
Should you have any questions regarding the status of your shoreline application, please feel free to contact Nicholas A. Vaccaro of our Land Division Support Services Branch at (808) 587-0384.

Very truly yours,

DIERDRE S. MAMIYA
Administrator

Post-it® Fax Note	7671	Date	5/15/05	# of pages	1
To	Peter Nottage	From	Willie Chin		
Co./Dept.	Kaneohe Yacht Club		ControlPoint Surveying		
Phone #	247-2881	Phone #	591-2022 x 105		
Fax #	247-2881	Fax #	591-8333		

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

August 6, 2004

PETER T. YOUNG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

DAN DAVIDSON
DEPUTY DIRECTOR - LAND

YVONNE Y. IZU
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
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HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

OA-149-2CONTROLPOINTRSLMAP
LD-NAV

ControlPoint Surveying, Inc.
Wilfred Chin, LPLS
1150 South King Street, Suite 102
Honolulu, Hawaii 96814

Dear Mr. Chin:

Subject: TRANSMITTAL OF SIGNED SHORELINE SURVEY MAPS
Applicant: ParEn, Inc. – Owner: Kaneohe Yacht Club
Location: Island: Oahu - District: Kaneohe
TMK: 4-4-22: 032

Enclosed please find five (5) signed shoreline survey maps.

Should you have any questions regarding the status of your shoreline application, please feel free to contact Nicholas A. Vaccaro of our Land Division Support Services Branch at (808) 587-0384.

Very truly yours,

A handwritten signature in black ink, appearing to read "Dierdre S. Mamiya".

DIERDRE S. MAMIYA
Administrator

File