



U.S. Army Corps
Of Engineers
Honolulu District

Public Notice of Application for Individual Permit

Regulatory Branch
Building 230
Ft. Shafter, HI 96858-5440

PUBLIC NOTICE DATE: January 17, 2006

EXPIRATION DATE: February 27, 2006

REFERENCE NUMBER: POH-2005-453

WATERWAY NAME: Duke Kahanamoku Lagoon, Waikiki, Oahu Island

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

1. **APPLICANT:** Hilton Hotels Corporation, 2005 Kalia Road, Honolulu, HI, 96815
2. **AGENT:** Planning Solutions, Inc., 210 Ward Avenue, Suite 330, Honolulu, HI 96814
3. **APPLICABLE STATUTORY AUTHORITIES:** Section 10 of the Rivers and Harbors Act (33 U.S.C. 403), and Section 404 of the Clean Water Act (33 U.S.C. 1344).
4. **LOCATION OF THE PROPOSED ACTIVITY:** Duke Kahanamoku Lagoon at the Hilton Hawaiian Village, Waikiki, Oahu.
5. **PROJECT PURPOSE AND DESCRIPTION:**

The purpose of the proposed project is to restore the Duke Kahanamoku Lagoon to its original function as an active commemorative recreational waterbody. The proposed portion of the restoration in jurisdictional waters of the United States is intended to improve water circulation and water quality by mechanically pumping saltwater from lagoon wells into the reconfigured lagoon, discharging same into two outlets in the Ala Wai Yacht Harbor, closing existing connections to the Pacific Ocean and the upland stormwater drainage system and constructing a new connection for lagoon and stormwater discharge into the Ala Wai Yacht Harbor Inner Basin (see attached plates).

The proposed Duke Kahanamoku Lagoon Restoration project consists of three major activities: 1) complete reconfiguration of the water area by the addition of about 20,000 cubic yards of sand, installation of a mechanical system for increasing water circulation and creating 4 new islands, 2) terminating the existing pipe connections which connect the lagoon to the Pacific Ocean, and 3) excavation for, and placement of, a new lagoon discharge and stormwater discharge outlet into the Ala Wai Yacht Harbor Inner Basin.

Activity 1 will involve the sequential placement of new groundwater intake and discharge pipes across the bottom of the lagoon; fill for 4 islands; associated small pipes and conduits that will provide water, electricity and gas to those islands; and placement of geotextile fabric over the entire water area that will be sunk and overlain with at least 20,000 cubic yards of clean sand. Conceptual reconstructed lagoon views by plan and cross-section are shown in Plates 4 -6.

Activity 2 will involve the sealing of the 2 existing ocean intakes and the existing storm drain outlet into the lagoon. The location of the 2 ocean pipes are indicated in Plate 3.

Activity 3 will involve the reconfiguration of the existing riprap bank at the Ala Wai Harbor Inner Basin for the placement of a new concrete box culvert 4 feet high by 5 feet wide with a connecting 30-inch drain line about 100 feet long. The approximate combined finished volume of fill into waters of the U.S. is about 120 cubic yards. The culvert invert will be about minus 2.5 feet below Mean Low Low Water (M.L.L.W.) when completed. Design views by plan and cross-section are shown at Plates 8 and 9.

Construction is expected to take 12 to 24 months.

6. IMPACTS OF PROPOSED ACTIVITIES IF AUTHORIZED:

The proposed activity would permanently add approximately 20,000 cubic yards of sand to the existing Lagoon bottom and slope; reduce the open water area by about 25% (from 4.64 acres to 3.43 acres); reduce the deepest water depth to 5 feet from 8 feet, and increase the volumes of saltwater circulation and subsequent discharge. Use of this area by the general public would be restricted during construction through the placement of appropriate safety devices, structures, and signage. Water quality within the enclosed lagoon is expected to improve after construction, primarily as a result of increased water circulation rates and is expected to increase recreational use by the public. The water quality of the surrounding ocean waters open to the public is not expected to be degraded during project construction. Water quality monitoring during construction and operation of the proposed project will be conducted.

Short term impacts include temporary disruption to water recreation activities in the vicinity of the lagoon, and increased noise and traffic and temporary degradation to lagoon water quality during construction operations.

Sessile, slow-moving, and fish biota inhabiting the lagoon basin, or attached to the existing intake and outlet openings will be destroyed, displaced, or captured and released.

7. IMPACT ON HISTORIC PROPERTIES:

The areas of direct and indirect impact from construction and subsequent recreational use activities will not impact any historic properties listed, or eligible for listing, on the Hawaii and National Registers of Historic Places. Existing ground surfaces within the project area are recent historic fills of a historic dredged channel and are unlikely to contain *in situ* Native Hawaiian cultural properties.

This notice has been sent to the State Historic Preservation Officer, the State Office of Hawaiian Affairs, and Hui Malama I Na Kupuna. Any comments they have regarding historic properties and cultural resources will be considered before a final decision is made on the DA permit.

8. IMPACT ON ENDANGERED SPECIES:

Green sea turtles, a federally listed threatened species, are known to occur on the reef flat off Waikiki. There is no indication that the culvert openings for the discharges of lagoon and stormwaters will result in inadvertent entrapment of turtles or other larger biota. The marine environment around the areas of proposed disturbance consists primarily of sand, coral and riprap revetment which supports minimal growth of algal species preferred by turtles. No significant impacts to federally listed species are therefore expected from the proposed project.

This notice has been sent to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service. Any comments they have on endangered or threatened species, or threatened critical habitat, will be considered before a final decision is made on the permit.

9. OTHER GOVERNMENT AUTHORIZATIONS/CERTIFICATIONS:

Prior to the issuance of the Department of Army permit, the applicant is required to obtain a Section 401 Water Quality Certification, or waiver thereof, from the State Department of Health, Clean Water Branch and a Coastal Zone Management (CZM) Program consistency determination, or waiver from the Office of Planning before the DA permit is valid. The requirements for a CZM consistency statement and accompanying information are available for public review at the Department of Business, Economic Development & Tourism, Office of Planning, CZM Program Office, 235 S. Beretania Street, 6th Floor, Honolulu, HI. 96813. Comments on the consistency statement should be submitted in writing to the Department of Business, Economic Development & Tourism, Office of Planning, CZM Program Office, P.O. Box 2359, Honolulu, HI 96804 no later than 30 days from the date of this notice.

Other State and local approvals required include a Conservation District Use Permit and Right of Entry to State Land and Well Construction permit from the State Department of Land and Natural Resources, a National Pollution Discharge Elimination System (NPDES) permit, NPDES Stormwater Construction Permit and Community Noise Control Permit from the State Department of Health, and a Major Special Management Area Use Permit, Waikiki Special

District Permit, Grading, Grubbing, Excavation & Stockpiling Permit, and Building Permit from the City and County of Honolulu Department of Planning and Permitting.

10. EVALUATION FACTORS:

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

11. COMMENTS AND INQUIRIES:

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

Interested parties may submit in writing any comments that they have on issuance of a permit for the proposed activity. Comments on the described work, with the reference number, should reach this office no later than the expiration date of this Public Notice to become part of the record and be considered in the decision. Please contact Farley K. Watanabe at 808-438-7701 if further information is desired concerning this notice. Electronic comments by e-mail can be posted at CEPOH-EC-R@usace.army.mil. Facsimile comments can be sent to 808-438-4060.

It is Corps of Engineers policy that any objections will be forwarded to the applicant for comment or rebuttal before the objection is resolved. If the objecting party so requests, all personal information will be deleted from the forwarded letter, or the objections will be sent in paraphrased, summary form.

12. REQUEST FOR PUBLIC HEARING:

Any person may request, in writing, within 30 days from the date of this notice that a public hearing be held to consider issuance of a permit for the proposed project. Requests for public hearing must specifically state the reasons for holding a public hearing.

Attachments:

Plate 1. General Location Map

Plate 2. Tax Plat Map.

Plate 3. Existing Features

Plate 4. Plan View of Restored Lagoon Plate 5.

Plate 5. Conceptual Cross Section of Restored Lagoon

Plate 6. Proposed Lagoon Water Circulation System Plate 8.

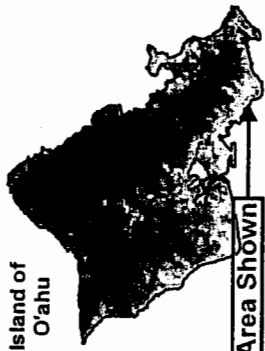
Plate 7. Proposed Drainage System Into Ala Wai Harbor Inner Basin

Plate 8. Location of Proposed New Drainage Outlet into Ala Wai Harbor
Inner Basin

Plate 9. Cross Section of New Drainage Outlet at Ala Wai Harbor Inner Basin

Plate 10. Lagoon Landscape Concept

Island of O'ahu



Area Shown

Prepared For:

Hilton Hotels Corp.

Prepared By:



PLANNING SOLUTIONS

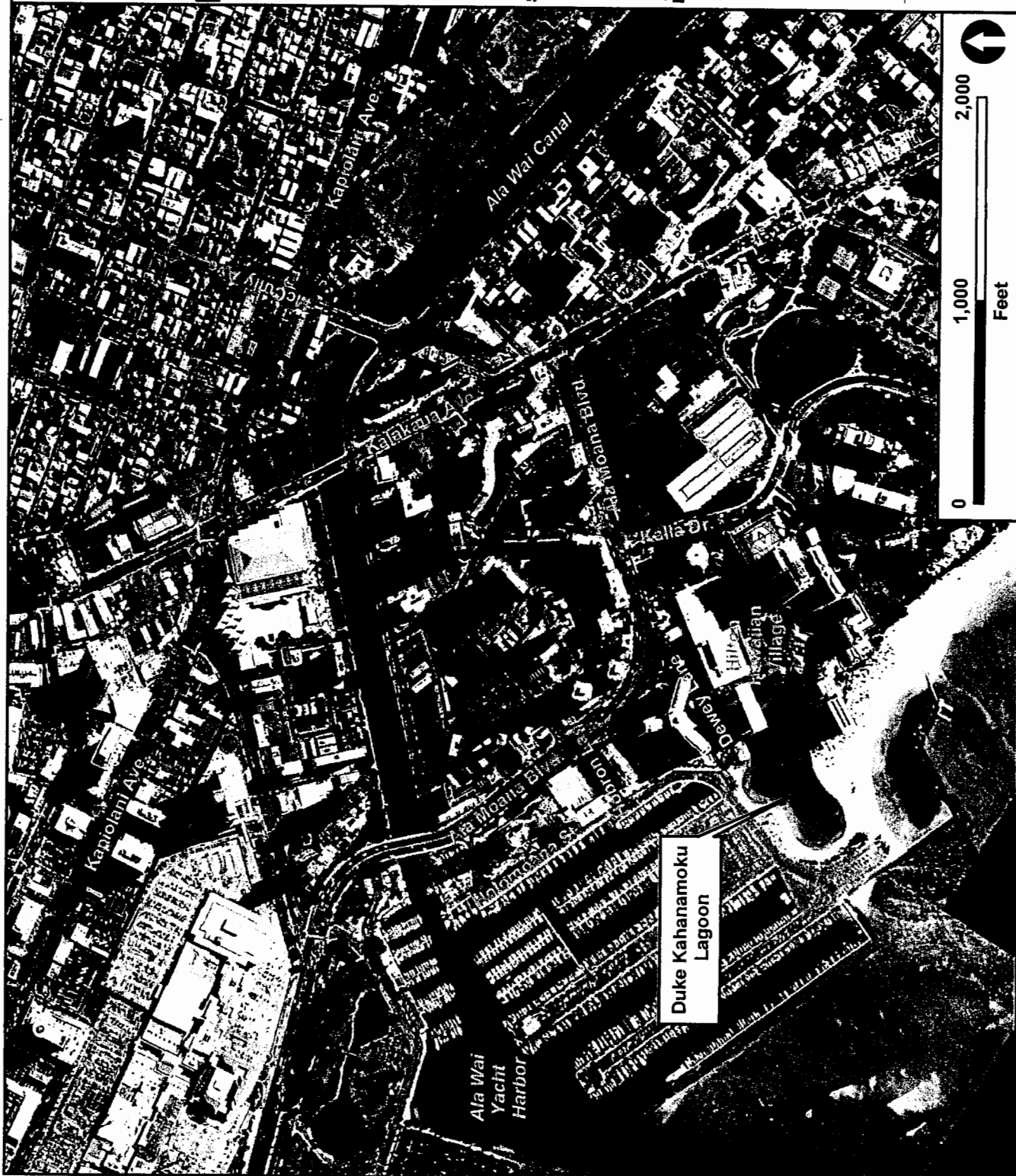
Sources:

City & County of Honolulu GIS
Hilton Hotels Corporation

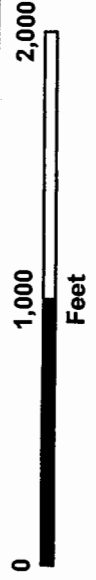
Figure 1:

Location Map

Hilton Hawaiian Village Lagoon Restoration

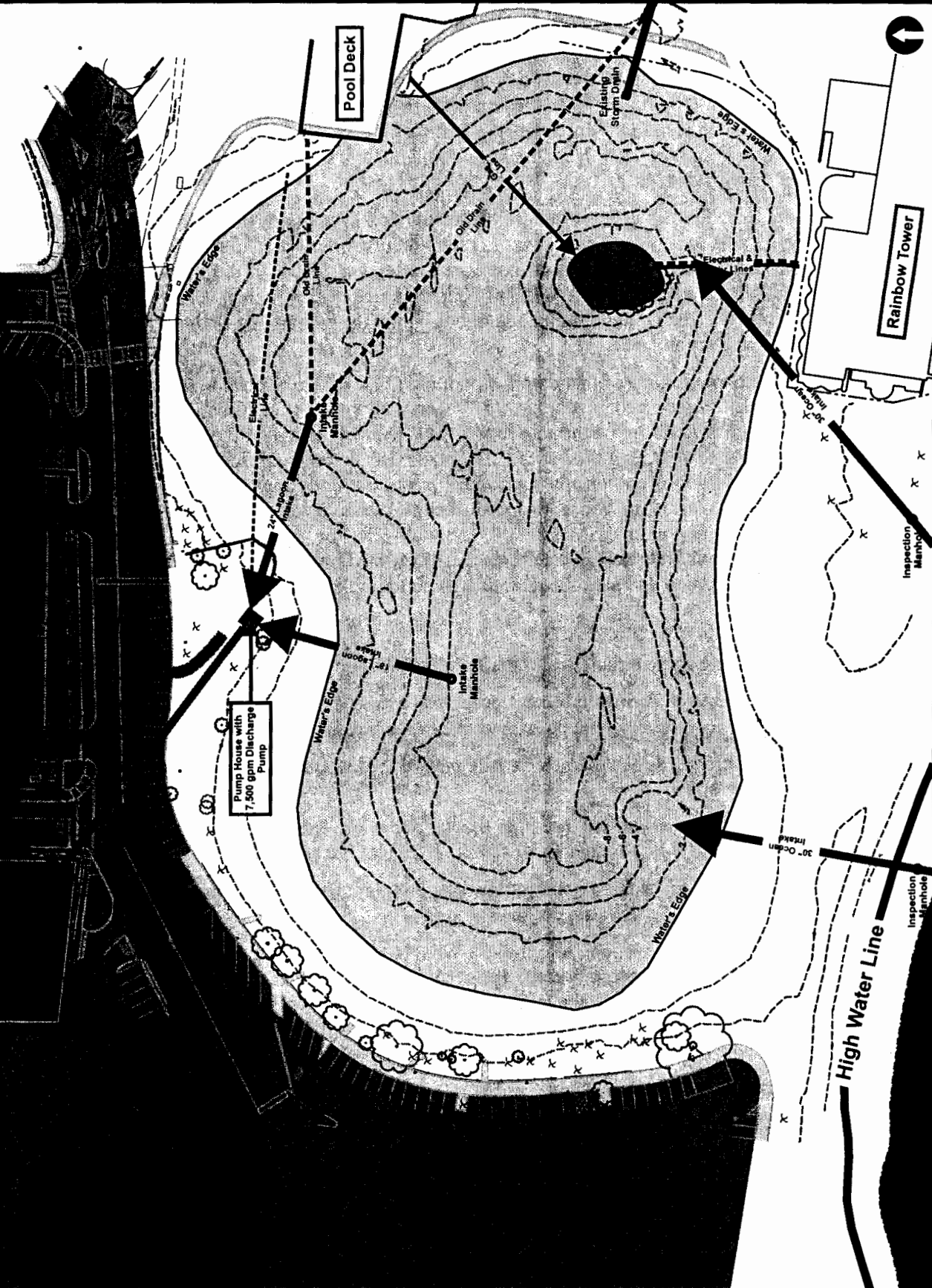


Duke Kahanamoku Lagoon



Legend:

Prepared For:	Hilton Hotels Corp.
Prepared By:	PLANNING SOLUTIONS
Source:	-Sea Engineering, Inc. -RM Towill Corp.
Figure 1-2:	Existing Lagoon Features
Hilton Hawaiian Village Lagoon Restoration	



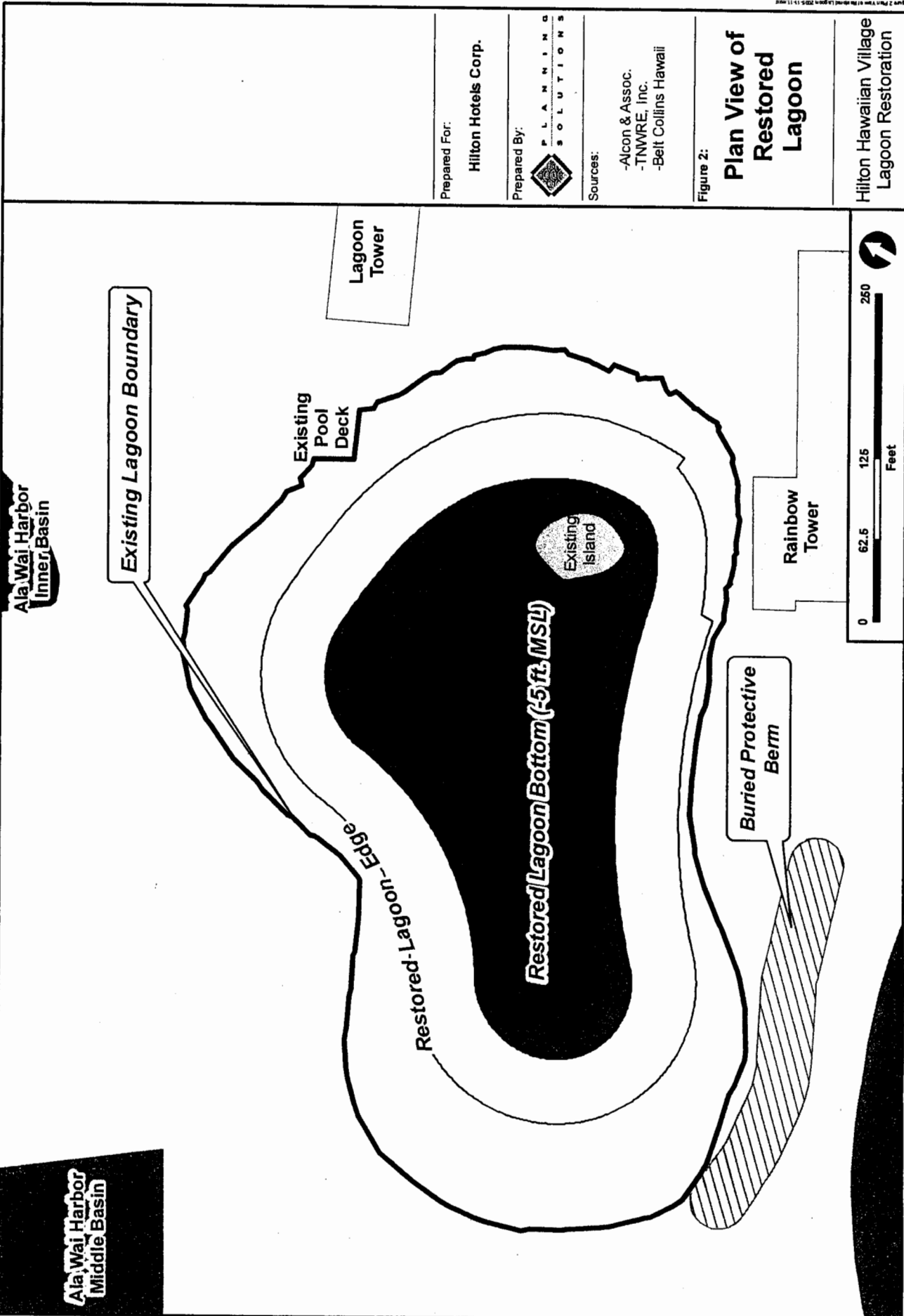



Figure 2 Plan View of the Restored Lagoon 2005-11-11-002

Prepared For:
Hilton Hotels Corp.

Prepared By:

 PLANNING
SOLUTIONS

Sources:
 -Alcon & Assoc.
 -TNWRE, Inc.
 -Belt Collins Hawaii

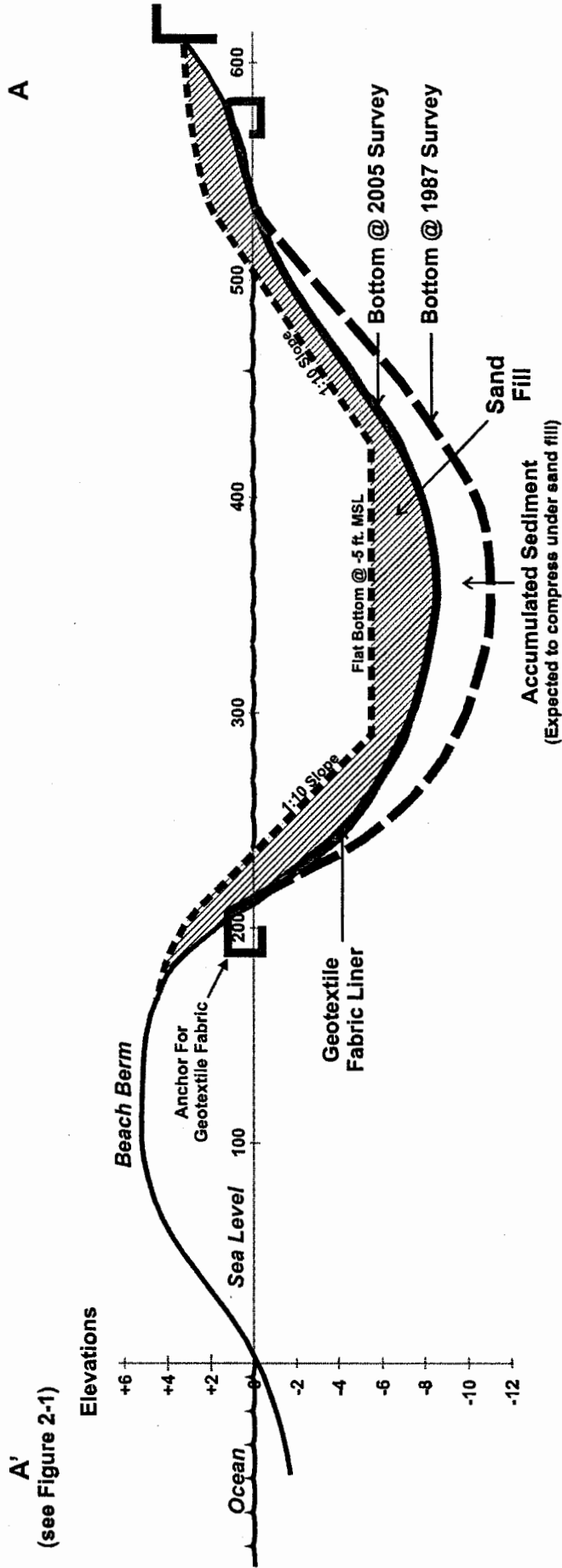
Figure 2:
Plan View of Restored Lagoon

Hilton Hawaiian Village
Lagoon Restoration

Ala Wai Harbor
Inner Basin

Ala Wai Harbor
Middle Basin

Note: Vertical Exaggeration 10X



Conceptual Lagoon Cross Section

Hilton Hawaiian Village Lagoon Restoration

Figure 4:

Prepared For:

Hilton Hotels Corp.

Prepared By:



PLANNING
SOLUTIONS

Source:

TNWRE

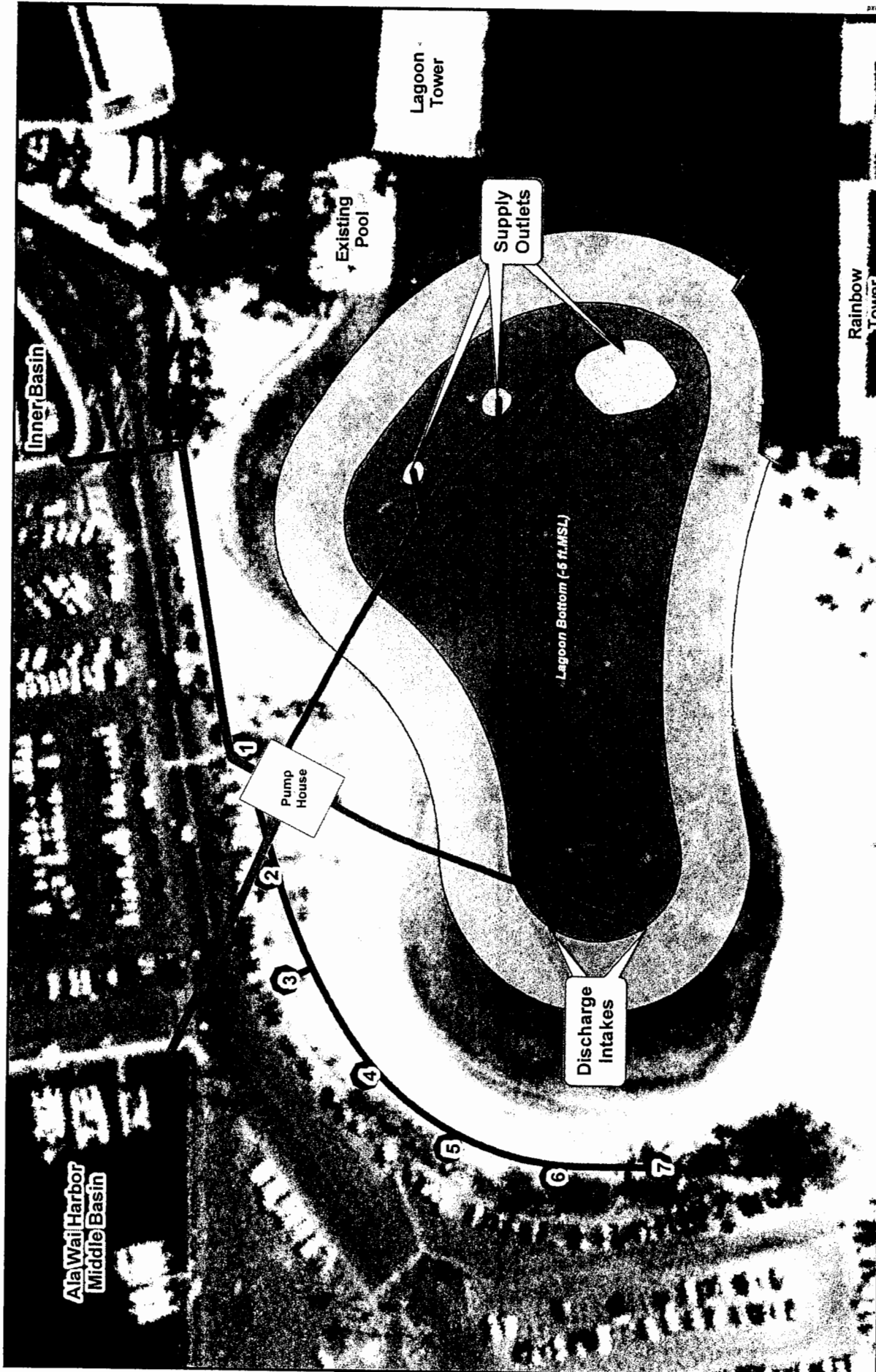


Figure 2:
Water Circulation System
 Hilton Hawaiian Village Lagoon Restoration

Prepared For: Hilton Hotels Corp.
 Prepared By:

Sources: City & County of Honolulu GIS - TNWRE

Legend:
 Harbor Discharge Pipes (thick line)
 Lagoon Supply Pipes (thin line)
 Discharge Intake Pipes (dashed line)
 Well-Water Collection Pipes (dashed line)
 Supply Wells & Well # (circled number)

Scale: 0 50 100 200 Feet

North Arrow

Figure 3 Water Circulation Plan 2005-11-10.mxd

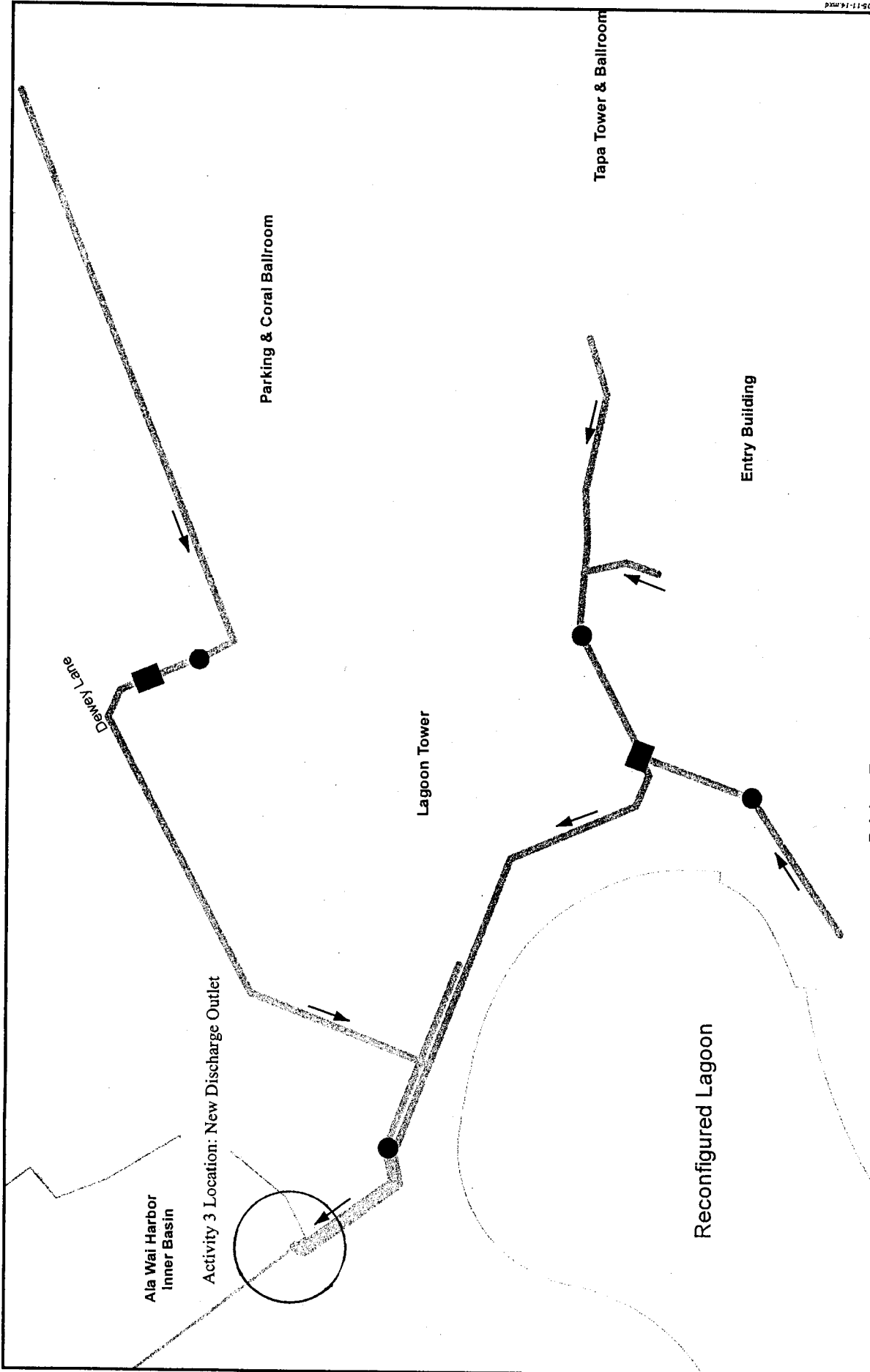
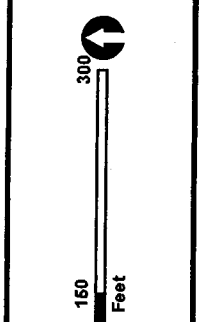


Figure 6:
Proposed Drainage Improvements
 Hilton Hawaiian Village Lagoon Restoration



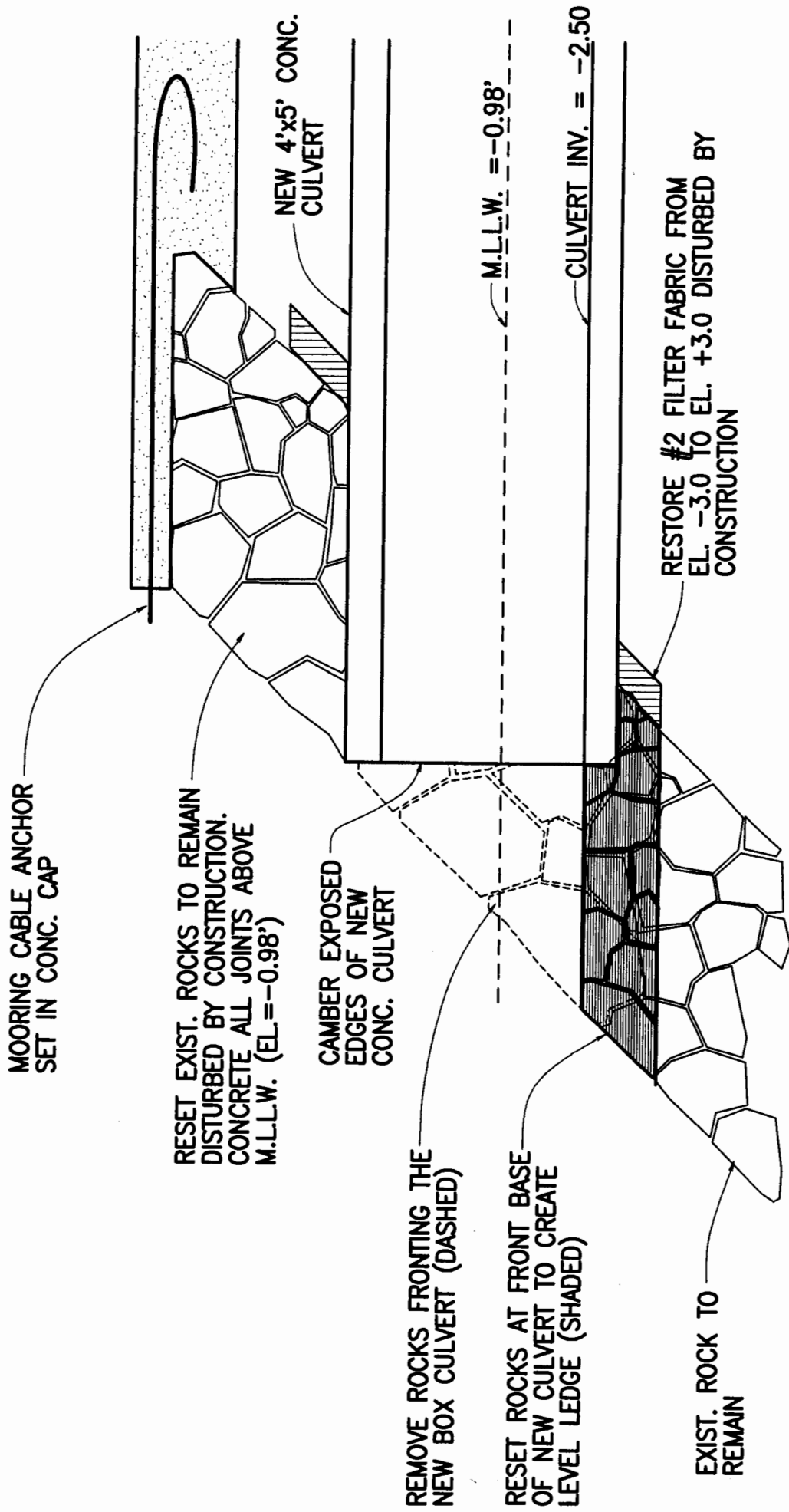
Prepared For:
 Hilton Hotels Corp.

Prepared By:
 P L A N N I N G
 SOLUTIONS

Sources:
 -City & County of Honolulu GIS
 -Alcon Engineering, Inc.

Legend:

- New Storm Drains
- New Treatment System
- New Pump Station



MOORING CABLE ANCHOR SET IN CONC. CAP

NEW 4'x5' CONC. CULVERT

RESET EXIST. ROCKS TO REMAIN DISTURBED BY CONSTRUCTION. CONCRETE ALL JOINTS ABOVE M.L.L.W. (EL.=-0.98')

CAMBER EXPOSED EDGES OF NEW CONC. CULVERT

REMOVE ROCKS FRONTING THE NEW BOX CULVERT (DASHED)

RESET ROCKS AT FRONT BASE OF NEW CULVERT TO CREATE LEVEL LEDGE (SHADED)

EXIST. ROCK TO REMAIN

RESTORE #2 FILTER FABRIC FROM EL. -3.0 TO EL. +3.0 DISTURBED BY CONSTRUCTION

M.L.L.W. = -0.98'

CULVERT INV. = -2.50

