Dr. Marvin T. Miura, Director
Office of Environmental Quality
Control
State of Hawaii
Kekuanaoa Building, #104
465 South King Street
Honolulu, Hawaii 96813

Dear Dr. Miura:

Subject: Environmental Impact Assessment for the 16-Inch Water Main and Appurtenances Along Ihuku Street and Kawili Street (From Lualualei Homestead Road to Pahoehee 242 Reservoir Site, Waianae, Oahu, Hawaii)

We request that our proposed project be published in the OEQC Bulletin as a Negative Declaration.

Attached are four copies of the assessment for your use.

If you have any questions, please contact Lawrence Whang at 527-6138.

Very truly yours,

KAZU HAYASHIDA
Manager and Chief Engineer

Attachment
ENVIRONMENTAL ASSESSMENT

FOR THE

16-INCH WATER MAIN AND APPURTEANCES ALONG IHUKU STREET AND KAWILI STREET (FROM LUAUALEI HOMESTEAD ROAD TO PAHEEHEE 242 RESERVOIR SITE)

WAIANAE, OAHU, HAWAII

TAX MAP KEY: 8-6-01; 8-6-20

This document is prepared pursuant to Chapter 343, HRS

PROPOSING AGENCY: Board of Water Supply
City and County of Honolulu
630 South Beretania Street
Honolulu, Hawaii 96813

Prepared by:

Engineering Concepts, Inc.
250 Ward Avenue, Suite 206
Honolulu, Hawaii 96814

April 1990
ENVIRONMENTAL ASSESSMENT

FOR THE

16-INCH WATER MAIN AND APPURTEANCES ALONG IHUKU STREET AND KAWILI STREET (FROM LUALUALEI HOMESTEAD ROAD TO PAHEEHEE 242 RESERVOIR SITE)

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PROPOSING AGENCY: Board of Water Supply
City and County of Honolulu
630 South Beretania Street
Honolulu, Hawaii 96843

Prepared by:

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April 1990
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SECTION I

PERTINENT DATA

Applicant: Board of Water Supply
City and County of Honolulu
630 South Beretania Street
Honolulu, Hawaii 96843

Contact: Lawrence Whang (527-6138)

Project Title: 16-Inch Water Main and Appurtenances along Ihuku Street and
Kawili Street (from Lualualei Homestead Road to
Paheehee 242 Reservoir Site)

Proposed Action: Installation of a 16-inch water main of approximately 1,280 lin-
ear feet

Location: Waianae, Oahu, Hawaii
TMK: 8-6-01; 8-6-20

Agencies Consulted in the Assessment Process:
State of Hawaii
Department of Health
Department of Land and Natural Resources
Division of State Parks/Outdoor Recreation & Historic Sites
Department of Transportation

City and County of Honolulu
Department of Public Works
Division of Engineering
Division of Wastewater Management
Division of Road Maintenance
Department of Transportation Services
Department of Land Utilization

Others
American Lung Association
Hawaiian Electric Company
Hawaiian Telephone Company
Honolulu Gas Company
SECTION II
DESCRIPTION OF PROPOSED ACTION AND STATEMENT OF OBJECTIVES

PROPOSED ACTION

The proposed project consists of the installation of approximately 1,280 linear feet of 16-inch water main in Ihuku Street and Kawili Street. This proposed 16-inch main will extend from Lualualei Homestead Road to Paheehee 242 reservoir site. The terminus of the proposed water main will connect to the existing 16-inch water main in Lualualei Homestead Road and the 20-inch main from Paheehee Reservoir (see Figure 1). Also proposed is the installation of gate valves, air relief valves, and pipe fittings.

The proposed water main will be constructed entirely within the pavement of Ihuku Street and Kawili Street and within the shoulder area of the reservoir access road. The water main shall be constructed of either polywrapped ductile iron or concrete cylinder pipes. A typical trench section is illustrated on Figure 2.

PROJECT SCHEDULE AND CONSTRUCTION COST

The estimated construction time for the proposed water main is 270 days. It is estimated that the construction will begin about December 1990, resulting in the project being completed about September 1991. The estimated construction cost is $230,000, funded by the Board of Water Supply.

STATEMENT OF OBJECTIVES

The objective of the proposed project is twofold. First, the proposed water main will provide additional reliability and flexibility to the existing water distribution system in the community of Waianae. Specifically, residents would be provided additional assurances for adequate water pressure and water supply for fire protection.

Secondly, the proposed project would be a step toward achieving the goal of meeting water demands for the Waianae area by sources in the Makaha/Waianae area. Currently, the main source of water in the Waianae area is supplied from the Pearl Harbor Basin (south of the Waianae area). With the current plan to develop water sources in the Makaha/Waianae
area, the existing water transmission/distribution system would require modification to continue to provide sufficient water pressure and quantity to the users in the Waianae region.
SECTION III

SUMMARY DESCRIPTION OF THE AFFECTED ENVIRONMENT

PROJECT LOCATION

The proposed project is located in the Waianae judicial district of the City and County of Honolulu. The judicial district, located in Western Oahu, extends from the Ewa-Waianae boundary north of the Kahe Power Plant to Kaena Point and is bounded by the leeward slopes of the Waianae Mountain Range. Major urban centers include the communities of Nanakuli, Maili, Waianae, and Makaha (Figure 3). These communities are linked by the major coastal arterial, Farrington Highway.

The proposed project is located in the community of Waianae, approximately 1,500 feet inland from Farrington Highway. The project site is situated on the lower slopes of Paheehee Ridge (see Figure 4).

TOPOGRAPHY

The Waianae district consists of a coastal plain (20-foot mean sea elevation) and intruding valleys and plains. The major part of the land area is comprised of the Waianae Mountain Range with its rugged topography of nearly vertical cliffs and amphitheater-headed valleys.

The project site is situated on the slopes of Paheehee Ridge, with elevations ranging from 22 to 118 feet and slopes averaging 8 percent.

GEOLOGY/SOILS

The Waianae Mountain Range, forming the western part of the island of Oahu, is the eroded remnant of the Waianae Volcano. The leeward (western) side of the Waianae Mountain Range geologically consists of three major groups of lava flows that erupted during the Tertiary Period and several subsequent secondary eruptions. The lava flows and cinders of this era have been deeply weathered. On top of this basalt layer are alluvial deposits and coral.
According to the U.S. Department of Agriculture Soil Conservation Service’s Soil Survey, the project site is underlain with three soil types. These soil types are listed below in the order of occurrence as elevation increases.

- **MnC** Mamala stony silty clay loam, 0-12% slopes
- **LPE** Lualualei extremely stony clay, 3-35% slopes
- **rRK** Rock land

A review of construction documents of previous infrastructure projects indicates the subsurface is composed of dirt, coral, and adobe. Dirt was present along Ihuku Street, dirt and coral along Kawili Street, and dirt over coral or rocks along the reservoir access road.

**CLIMATE**

The Waianae region is generally characterized as semiarid. Mean annual rainfall along the coast averages 20 inches per year but increases to as much as 80 to 100 inches at the higher elevations (elevations greater than 400 feet) of the Waianae Mountain Range. Much of the annual rainfall can be accounted for by the few severe storms such as the "kona" storms that approach Oahu from the south or west, usually between the months of December and March. Approximately two-thirds of the Waianae region, including the project site, receive an annual average rainfall of between 20 and 30 inches.

Usually, tradewinds prevail from the northeast, with wind speeds exceeding 15 knots 50 percent of the time. However, on many occasions, sea breezes are dominant along the Waianae coast.

Temperatures average between 72 and 80 degrees F along the low-lying areas. The temperature for two stations is shown below.
TABLE 1
AVERAGE AND EXTREME RECORDED TEMPERATURE
FOR THE WAIANAE DISTRICT

<table>
<thead>
<tr>
<th>Station</th>
<th>Ground Elev (ft)</th>
<th>Ave Temperature (°F)</th>
<th>Lower Month</th>
<th>Highest Month</th>
<th>Extreme Temperature of Record (°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waianae*</td>
<td>20</td>
<td>72.1</td>
<td>79.7</td>
<td></td>
<td>45 96</td>
</tr>
<tr>
<td>Lualualei 804**</td>
<td>113</td>
<td>69.9</td>
<td>81.3</td>
<td></td>
<td>-- --</td>
</tr>
</tbody>
</table>

* Based on 79 years of record.
** Based on 1 year of record (1972).

VEGETATION

Ihuku Street and Kawili Street are residential areas with landscaping typical of single family subdivisions. The portion of the project area owned by the BWS is in a more undisturbed state, with the predominant types of vegetation being kiawe, koa haole, bougainvillaea, and tall grass along the reservoir access road.

LAND USE

Urban development in the Waianae region mainly occurs on the coastal plain, with agriculture (including ranching) extending into inland areas. Almost the entire length of the proposed project is situated in areas zoned residential (R-5), with the remainder situated in areas zoned preservation (P-1 and P-2) (see Figure 5).

In the area zoned residential, the proposed water main will traverse through residential areas occupied by single family units.

In the area zoned preservation, the proposed water main will traverse the steep, rocky slopes of Paheehee Ridge along the reservoir access road. Approximately 40 linear feet of the 16-inch water main will be installed within the P-2 General Preservation District, and approximately 70 linear feet will be located within the P-1 Restricted Preservation District (State-designated Conservation District).
AIR QUALITY

There are no air quality data in the Waianae region, where air quality impacts are generally attributable to agriculture-related activities and to exhaust emission from automobiles and trucks, especially in the vicinity of major intersections along Farrington Highway.

AESTHETICS

The proposed water main will be constructed underground and will not result in any visual impact.

ARCHAEOLOGICAL SITES

There are no recorded archaeological sites within the project site. The area in the vicinity of the project site was once cultivated in sugar cane. The State Historic Sites Office has indicated that archaeological sites on the surface or near surface were most likely destroyed by these agricultural practices. Recorded site no. 152, "Puu Paheehe Heiau," is located near the Paheehee Reservoir site (Figure 6). The heiau has since been destroyed due to expansion of the oriental cemetery at the site.
SECTION IV
IDENTIFICATION AND SUMMARY OF MAJOR IMPACTS
AND PROPOSED MITIGATION MEASURES

This section identifies the major impacts attributable to the proposed project. Major
impacts are categorized into short-term impacts, normally of short duration and confined to
the length of construction period, and long-term impacts resulting from operational activities.

SHORT-TERM IMPACTS
Major short-term impacts will be attributable to construction of the proposed facilities.
Dust, exhaust emissions, noise, and traffic disruptions will be most pronounced during this
period of construction.

The proposed project will be constructed within the paved road. Therefore, impacts
to wildlife and flora will be virtually nonexistent. Archaeological sites, if present, are
disturbed by past activities.

LONG-TERM IMPACTS
Long-term impacts of the proposed project are generally beneficial. Specifically, the
proposed action will be a step toward achieving the goals of the Board of Water Supply’s
water master plan established for the Waianae region. Another long-term impact is the
upgrading of the existing water distribution system, resulting in greater public welfare and
safety.

The project will be confined within City and County road right-of-ways, BWS
property and easements. Land acquisition will not be required for this project. No business-
es or residences will be displaced.

A Conservation District Use Application (CDUA) will be filed with the State
Department of Land and Natural Resources for approximately 70 linear feet of 16-inch water
main which will be installed within the State-designated Conservation District.
MITIGATION MEASURES

Adverse impacts of the proposed project are related to construction activities, which will be governed by all federal, state, and county laws and the contract specifications. The contractor's work activity within any county street shall be limited to the hours between 8:00 am and 3:30 pm, unless otherwise permitted by the Department of Transportation Services.

Noise

During the construction period, high noise levels will be experienced by the residents along Ihuku Street and Kawili Street and possibly by residential units along Alamihi Street. Noise from the operation of backhoes and trucks has been measured at levels ranging from 70 to 90 dBA (at 50 feet).

The contractor will be required to obtain a Community Noise Permit and comply with provisions of Chapter 43, "Community Noise Control for Oahu," and Chapter 42, "Vehicular Noise Control for Oahu," of Title 11, Administrative Rules, State of Hawaii Department of Health. The provisions of these Administrative Rules include the following limitations:

1. No construction activities shall create excessive noise when measured at or beyond the property line for the hours before 7:00 am and after 6:00 pm of the same day.

2. No construction activities shall emit noise in excess of 95 dBA at or beyond the property line of the construction site, except between 9:00 am and 5:30 pm of the same day.

3. No construction activities shall exceed the 95 dBA noise level on Saturdays, Sundays, and on holidays.

Air Pollution

Air quality degradation can be expected in the immediate vicinity of construction activity and is primarily attributable to fugitive dust and exhaust emissions from construction equipment.

The contractor will be required to comply with the provisions of Chapter 60, "Air Pollution Control," of Title 11, Administrative Rules of the State of Hawaii Department of
Health. The contractor will be required to implement measures to minimize air quality degradation. These measures may include the application of water to retard airborne dust and the inspection of construction vehicles for exhaust emissions. Further dispersion of airborne emissions is expected from the prevailing winds.

Traffic Disruptions

Construction of the proposed facilities will result in traffic disruptions in the neighborhood of Ihuku Street and Kawili Street. Construction activities will limit traffic periodically to one lane on Ihuku, Kawili, and Alamihi streets. There will also be periodic traffic interruptions at the intersection of Lualualei Homestead Road and Ihuku Street.


Further, the contractor shall obtain a Street Usage Permit from the City and County Department of Transportation Services and comply with all conditions. Other conditions imposed on the contractor to minimize traffic disruptions include:

1. Access to and from driveways and public streets shall be provided at all times.
2. During nonworking hours, trenches shall be covered with steel plates and all lanes shall be open to traffic.
3. As required by the Department of Transportation Services, special duty police officers shall be hired to direct the flow of traffic.
4. All walkways and intersections shall be maintained in passable condition for pedestrian traffic.

Archaeological and Historic Sites

The closest known archaeological site, the Puu-Paheehee Helau, is close to 1,000 feet away. The project site will be situated within an existing paved roadway. Other pipe lines are presently installed within the road. In the event any previously unidentified historical or
archaeological sites or remains are encountered, the contractor shall contact the Historic Sites Office of the Department of Land and Natural Resources. Work in the immediate area shall be delayed until the Historic Sites Office is able to assess the impact and make recommendations for mitigative activity.
SECTION V
ALTERNATIVES CONSIDERED

NO ACTION

This alternative would not permit the implementation of the water master plan for the Waianae region. This course of action would result in the continued dependency of the Pearl Harbor basin as the major source of water for the Waianae area and would not fully utilize the water sources currently being developed in the Waianae/Makaha area.

ALTERNATIVE PIPING NETWORKS

Two other alternative piping networks involving modifying the existing booster pump stations and upgrading the transmission and distribution system were evaluated. This analysis is discussed in detail in the report, "Preliminary Engineering Study for Makaha Wells Water System Development," dated January 1986.

The selected system, of which the proposed project is a part, was chosen for the following reasons:

1. Operational factors
2. Economic feasibility
3. Minimum impact on residents
SECTION VI
DETERMINATION, FINDINGS, AND REASONS SUPPORTING DETERMINATION

DETERMINATION

Results of this environmental assessment have concluded that the proposed project will not have any significant potential impacts on the environment, and an environmental impact statement is not required. Therefore, in accordance with Chapter 343, Hawaii Revised Statutes, this notice is being submitted as a Negative Declaration.

FINDINGS AND REASONS SUPPORTING DETERMINATION

The proposed action was determined to have no significant impact according to the significant criteria stated in Section 11-200-12 of the Environmental Impact Statement Rules. The criteria and findings are stated below.

1. Criteria: Involves an irrevocable commitment to loss or destruction of any natural or cultural resources.
   Finding: Installation of the water main will be entirely within the pavement of the existing Ihuku Street and Kawili Street and within the shoulder area of the existing reservoir access road. No known archaeological, historical, or cultural sites will be affected. The project site does not contain any endangered wildlife or flora.

2. Criteria: Curtails the range of beneficial uses of the environment.
   Finding: There will be no known beneficial use of the environment that will be curtailed. There will be no long-term degradation of existing ambient air or noise levels.

3. Criteria: Conflicts with the State's long-term environmental policies or goals and guidelines as expressed in Chapters 343 and 344, Hawaii Revised Statutes, and any revisions thereof and amendments thereto, court decisions, or executive orders.
   Finding: There will be no known conflict.

4. Criteria: Substantially affects the economic or social welfare of the community or state.
Finding: The proposed action will improve the flexibility and reliability of the water distribution system, resulting in an improvement to the social and economic welfare of the community. Further, no residences or businesses will be displaced.

5. Criteria: Substantially affects economic or sociological activities.
   Finding: No adverse effect.

6. Criteria: Involves substantial secondary impacts, such as population changes or effects on public facilities.
   Finding: There will be no conflict; existing facilities will be upgraded to provide a more reliable water distribution system.

   Finding: Construction will take place entirely within existing roadways. No endangered wildlife or flora are found in the affected area.

8. Criteria: Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions.
   Finding: No, this is not the case.

9. Criteria: Substantially affects a rare, threatened, or endangered species of animal or plant or habitat.
   Finding: Construction will take place entirely within existing roadways. No endangered wildlife or flora are found in the affected area.

10. Criteria: Detrimentally affects air or water quality or ambient noise levels.
    Finding: The impacts to air and ambient noise levels are associated with construction activities. These impacts are short-term and temporary. The Contractor will be required to conform to all applicable laws and regulations to mitigate construction-associated impacts.

11. Criteria: Affects an environmental sensitive area such as a flood plain, tsunami zone, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters.
    Finding: The project site is not located in a sensitive area.
REFERENCES

1. Hawaii State, Department of Health, Title 11, Department of Health Administrative Rules, "Chapter 42 - Vehicular Noise Control for Oahu."

2. Hawaii State, Department of Health, Title 11, Department of Health Administrative Rules, "Chapter 43 - Community Noise Control for Oahu."


STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
P. O. BOX 624
HONOLULU, HAWAII 96809

DEPARTMENT MASTER APPLICATION FORM

(Print or Type)

I. LANDOWNER/WATER SOURCE OWNER
   (If State land, to be filled in by Government Agency in control of property)

   Name: Board of Water Supply
   Address: 630 S. Beretania Street
            Honolulu, Hawaii 96813
   Telephone No.: 527-6138 (L. Whang)

II. APPLICANT (Water Use, show if applicant is landowner)

   Name: [Redacted]
   Address: [Redacted]
   Telephone No.: [Redacted]
   Interest in Property: [Redacted]

   Signature: [Redacted]
   Date: APR 27 1980

III. TYPE OF PERMIT(S) APPLYING FOR

   ( ) A. State Lands
   (x) B. Conservation District Use
       ( ) C. Withdraw Water From A Ground Water Control Area
       ( ) D. Supply Water From A Ground Water Control Area
       ( ) E. Well Drilling/Modification

IV. WELL OR LAND PARCEL LOCATION REQUESTED

   District: Waianae
   Island: Oahu
   County: Honolulu
   Tax Map Key: 8-6-01: 48
   Area of Parcel: 3.01 Acres
      (Indicate in acres or sq. ft.)
   Term (if lease): [Redacted]
V. Environmental Requirements

Pursuant to Chapter 343, Hawaii Revised Statutes, and in accordance with Title 11; Chapter 200, Environmental Impact Statement Rules for applicant actions, an Environmental assessment of the proposed use must be attached. The Environmental assessment shall include, but not be limited to the following:

(1) Identification of applicant or proposing agency;
(2) Identification of approving agency, if applicable;
(3) Identification of agencies consulted in making assessment;
(4) General description of the action's technical, economic, social, and environmental characteristics;
(5) Summary description of the affected environment, including suitable and adequate location and site maps;
(6) Identification and summary of major impacts and alternatives considered, if any;
(7) Proposed mitigation measures, if any;
(8) Determination;
(9) Findings and reasons supporting determination; and
(10) Agencies to be consulted in the preparation of the EIS, if applicable.

VI. Summary of Proposed Use (what is proposed)

Refer to attached environmental assessment filed with the State Office of Environmental Quality Control.
INFORMATION REQUIRED FOR ALL USES

I. Description of Parcel

A. Existing structures/Use. (Attach description or map).

B. Existing utilities. (If available, indicate size and location on map. Include electricity, water, telephone, drainage, and sewerage).

C. Existing access. (Provide map showing roadways, trails, if any. Give street name. Indicate width, type of paving and ownership).

D. Vegetation. (Describe or provide map showing location and types of vegetation. Indicate if rare native plants are present).

E. Topography; if ocean area, give depths. (Submit contour maps for ocean areas and areas where slopes are 40% or more. Contour maps will also be required for uses involving tall structures, gravity flow and other special cases).

F. If shoreline area, describe shoreline. (Indicate if shoreline is sandy, muddy, rocky, etc. Indicate cliffs, reefs, or other features such as access to shoreline).

G. Existing covenants, easements, restrictions. (If State lands, indicate present encumbrances.)

H. Historic sites affected. (If applicable, attach map and descriptions).

II. Description: Describe the activity proposed, its purpose and all operations to be conducted. (Use additional sheets as necessary).

III. Commencement Date: Upon CDUA approval

Completion Date: Nine months after commencement

IV. TYPE OF USE REQUESTED (Mark where appropriate) (Please refer to Title 13, Chapter 2)

1. Permitted Use (exception occasional use); DLNR Title 13, Chapter 2, Section 14; Subzone G

2. Accessory Use (accessory to a permitted use); DLNR Title 13, Chapter 2, Section ____; Subzone ____

3. Occasional Use: Subzone ______.

4. Temporary Variance: Subzone ______.

5. Conditional Use: Subzone ______.
INFORMATION REQUIRED FOR ALL USES

I. DESCRIPTION OF PARCEL

A. Existing Structures/Use
   
   The closest existing structure in the area is the Paheehee 242 Reservoir located approximately 200 feet north of the proposed 16" water main.

B. Existing Utilities
   
   Overhead utility lines for electricity exist along Ihuku and Kawili Street.

C. Existing Access
   
   The project is accessible via Lualualei Homestead Road.

D. Vegetation
   
   The vegetation in the area includes kiawe, koa haole, bougainvillea, and various grasses.

E. Topography
   
   The project site is situated on the slopes of Paheehee Ridge, with elevations ranging from 22 to 118 feet and slopes averaging 8 percent.

F. Shoreline Area
   
   The project site is located about 1 mile from the shoreline.

G. Existing Covenants, Easements, Restrictions
   
   There are no covenants, easements or restrictions. The land is owned by the Board of Water Supply.

H. Historic Sites Affected
   
   There are no known historic sites which will be affected by the proposed work.
Area of Proposed Use: 3.01 Acres

(Indicate in acres or sq. ft.)

Name & Distance of Nearest Town or Landmark:
1 mile mauka of Waianae Town

Boundary Interpretation (If the area is within 40 feet of the boundary of the Conservation District, include map showing interpretation of the boundary by the State Land Use Commission).

Conservation District Subzone: General (G)
County General Plan Designation: Preservation (P-1)

V. FILING FEE

1. Enclose $50.00. All fees shall be in the form of cash, certified or cashier's check, and payable to the State of Hawaii.

2. If use is commercial, as defined, submit additional public hearing fee of $50.00.

INFORMATION REQUIRED FOR CONDITIONAL USE ONLY

I. Plans: (All plans should include north arrow and graphic scale).

A. Area Plan: Area plan should include but not be limited to relationship of proposed uses to existing and future uses in abutting parcels; identification of major existing facilities; names and addresses of adjacent property owners.

B. Site Plan: Site plan (maps) should include, but not be limited to, dimensions and shape of lot; metes and bounds, including easements and their use; existing features, including vegetation, water area, roads, and utilities.

C. Construction Plan: Construction plans should include, but not be limited to, existing and proposed changes in contours; all buildings and structures with indicated use and critical dimensions (including floor plans); open space and recreation areas; landscaping, including buffers; roadways, including widths; offstreet parking area; existing and proposed drainage; proposed utilities and other improvements; revegetation plans; drainage plans including erosion sedimentation controls; and grading, trenching, filling, dredging or soil disposal.

D. Maintenance Plans: For all uses involving power transmission, fuel lines, drainage systems, unmanned communication facilities and roadways not maintained by a public agency, plans for maintenance shall be included.

E. Management Plans: For any appropriate use of animal, plant, or mineral resources, management plans are required.

F. Historic or Archaeological Site Plan: Where there exists historic or archaeological sites on the State or Federal Register, a plan must be submitted including a survey of the site(s); significant features; protection, salvage, or restoration plans.

II. Subzone Objective: Demonstrate that the intended use is consistent with the objective of the subject Conservation District Subzone (as stated in Title 15, Chapter 2).
OEQC FORM FOR PUBLICATION OF EIS DOCUMENTS IN THE OEQC BULLETIN

Project title: 16-Inch Water Main Along Ihuku Street and Kawili Street (from Lualualei Homestead Road to Panoheho) 242 Reservoir, Waianae, Oahu

Tax map key numbers: 8-6-01 and 8-6-20

TO BE FILLED OUT BY THE AGENCY ONLY:

Type of action: X Agency

Please check all that apply. This document is:

Chapter 205A document

EIS Preparation Notice NEPA document

___ FONSI

___ Draft EIS

___ Notice of Preparation

___ Final EIS

Chapter 343 document

X Negative Declaration

___ EIS Preparation Notice

___ Draft EIS

___ Final EIS

___ Acceptance Notice

OEQC must receive 4 copies of the environmental assessment, 60 of the draft EIS, and 25 of the final EIS. Proposing agencies or applicants should deliver an appropriate number of draft and final EIS to the accepting authority before submitting copies to OEQC.

Accepting authority's address:

Contact: ___________________________ Phone: ___________________________

Proposing agency or applicant's address:

Honolulu Board of Water Supply

630 S. Beretania Street

HONOLULU, HAWAII 96813

Contact: ___________________________ Phone: 527-6138

Consultant's address:

Contact: ___________________________ Phone: ___________________________
Summary of the proposed action or project to be published in the bulletin. Please use complete sentences and write plainly and clearly. The description should be brief, but sufficiently detailed so that the full impact of the action can be determined.

The proposed project involves the installation of approximately 1,250 linear feet of 16-inch water main and appurtenances on Thuku Street and Kawili Street in Wai'anae. The 16-inch main will extend from Lualualei Homestead Road to Pahuehe 242 Reservoir site. The water main shall be either poly-wrapped ductile iron pipe or concrete cylinder pipe. Construction is estimated to begin about December 1990 and the construction time will be about 9 months. The estimated project cost is $230,000. This project is part of the Board of Water Supply's goal to meet the increasing demands of the Wai'anae District.

Please check all that apply. Characteristics that made this action subject to the EIS law:

- Use of state or county lands or funds
- Use of conservation district lands
- Use of shoreline setback area
- Use of historic site or district
- Use of lands in the Waikiki Special District

Amendment to a county general plan
Reclassification of conservation lands
Construction or modification of helicopter facilities
Other

Estimated project cost:  
- Federal funds $210,000  
- State funds  
- County funds $20,000  
- Private funds  
- TOTAL $230,000  

Document preparation cost:  
- Environmental assessment $6,051  
- Draft EIS  
- Final EIS  
- Supplemental final EIS  
- TOTAL $6,051