

DEPARTMENT OF DESIGN AND CONSTRUCTION

CITY AND COUNTY OF HONOLULU

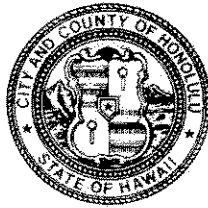
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JEREMY HARRIS
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RECEIVED TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

'04 FEB 26 A10:12

OFF. OF ENVIRONMENTAL QUALITY CONTROL
WWW.P 04-0072

February 26, 2004

Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

Dear Ms. Salmonson,

Subject: Final Environmental Assessment / Finding of No Significant Impact
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihi Kai, Oahu, Hawaii

The City and County of Honolulu Department of Design and Construction (DDC) has reviewed the comments received during the 30-day public comment period, which began on December 23, 2003, for the draft environmental assessment (EA). The DDC has determined that this project will not have significant environmental effects and has issued a Finding of No Significant Impact (FONSI). Please publish this notice in the March 8, 2004 OEQC *Environmental Notice*.

We have enclosed a completed OEQC Publication Form with four copies of the Final EA. Please contact Mr. Sung Ho Lai at 527-5398 if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Timothy E. Steinberger".

for TIMOTHY E. STEINBERGER, P.E.
Director

2004-03-08 FONSI
NIMITZ HWY SEWER RECONSTRUCTION
AT OCCC

MAR 8 2004

FILE COPY

**Final Environmental Assessment and
Finding of No Significant Impact
Nimitz Highway Sewer Reconstruction at OCCC**
Project #02028
Contract Numbers F87372

Prepared for:



The City and County of Honolulu
Department of Design and Construction
Wastewater Division

Prepared by:



THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

February 2004

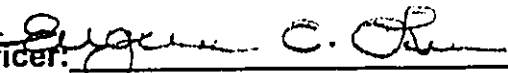
**Final Environmental Assessment and
Finding of No Significant Impact**

**NIMITZ HIGHWAY
SEWER RECONSTRUCTION AT OCCC**

Kalihi Kai, Oahu, Hawaii

(This environmental document has been prepared pursuant to
Chapter 343, Hawaii Revised Statutes)

Responsible Officer:



Date: FEB 21 2004

Timothy E. Steinberger, P.E., Director
City and County of Honolulu
Department of Design and Construction

Prepared For:

**City and County of Honolulu
Department of Design and Construction**

Prepared By:

**The Limtiaco Consulting Group
Civil Engineering and Environmental Consultants
615 Piikoi Street, Suite 1605
Honolulu, Hawaii 96814**

February 2004

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TABLE OF CONTENTS

	<u>page</u>
Preface	<i>iv</i>
Project Summary	<i>v</i>
1. Introduction	1-1
2. Setting and Project Description	2-1
2.1. Background and Project Need	2-1
2.2. Project Location	2-1
2.3. Existing Sewer Line Conditions.....	2-2
2.4. Land Ownership	2-2
2.5. Surrounding Uses, Tenants, and Structures	2-7
2.6. Proposed Action	2-7
2.7. Project Schedule and Cost.....	2-8
3. Description of the Existing Environment, Project Impacts, and Mitigation Measures	3-1
3.1. Climate	3-1
3.2. Geology.....	3-1
3.3. Topography	3-2
3.4. Soils	3-2
3.5. Ground Water	3-5
3.6. Hazardous Materials	3-6
3.7. Flood, Tsunami, and Earthquake Hazard	3-6
3.8. Floral and Faunal Resources	3-9
3.9. Air Quality	3-9
3.10. Noise	3-11
3.11. Archaeological and Cultural Resources	3-12
3.12. Socio-Economic Characteristics	3-13
3.12.1. Existing Businesses and Surrounding Uses	3-13
3.12.2. Police, Fire and Ambulance Service	3-15
3.13. Infrastructure and Utilities	3-16
3.13.1. Roadways and Traffic Considerations.....	3-16
3.13.2. Water System.....	3-17
3.13.3. Drainage System.....	3-20
3.13.4. Wastewater System	3-20
3.13.5. Electrical, Telephone, Cable, and Gas Service	3-21

4.	Relationship to Plans, Policies, and Controls	4-1
4.1.	State Land Use District	4-1
4.2.	Hawaii State Plan.....	4-1
4.3.	City and County of Honolulu General Plan	4-2
4.4.	Primary Urban Center Development Plan	4-3
4.5.	City and County of Honolulu Land Use Ordinance	4-4
4.6.	State Coastal Zone Management Program.....	4-4
4.7.	Special Management Area	4-5
5.	Alternatives to the Proposed Action	5-1
5.1.	No-Action Alternative.....	5-1
5.2.	Design Alternatives Report, Parts I and II	5-1
5.2.1.	Route Alternatives Study (Part I)	5-1
5.2.1.1.	Route Alternative 1: Sewer Replacement through Easement.....	5-1
5.2.1.2.	Route Alternative 2: Sewer Realignment along Private Road/Puuhale Road.....	5-3
5.2.1.3.	Route Alternative 3: Sewer Realignment along Dillingham Boulevard/Puuhale Road	5-3
5.2.1.4.	Recommended Route Alternative: Alternative 1 – Sewer Replacement through Easement	5-4
5.2.2.	Design Alternatives Study (Part II)	5-4
5.2.2.1.	Design Alternative 1: Microtunneling / Open Cut Trench.....	5-4
5.2.2.2.	Design Alternative 2: Microtunneling / CIPP	5-6
5.2.2.3.	Design Alternative 3: Microtunneling	5-6
5.2.2.4.	Design Alternative 4: Open Cut Trench / CIPP.....	5-7
5.2.2.5.	Design Alternative 5: Open Cut Trench	5-7
5.2.2.6.	Recommended Design Alternative: Alternative 4 – Open Cut Trench / CIPP	5-7
6.	Required Permits and Approvals	6-1
6.1.	State of Hawaii.....	6-1
6.2.	City and County of Honolulu	6-1
7.	Agency Determination.....	7-1
8.	Consultation	8-1
8.1.	Pre-Assessment Consultation	8-1
8.2.	Draft EA Consultation	8-23
8.3.	Final EA Consultation	8-45
9.	References	9-1

LIST OF FIGURES

Figure 1	Location Map	1-2
Figure 2	Tax Map Key.....	2-3
Figure 3	Existing Sewer System	2-5
Figure 4	Land Ownership/Easement Map.....	2-6
Figure 5	Aerial Photo	2-9
Figure 6	General Site Plan.....	2-10
Figure 7	Soil Types	3-3
Figure 8	Flood Zone Designation.....	3-7
Figure 9	Existing Utilities.....	3-17
Figure 10	Special Management Area Boundary Map.....	4-6
Figure 11	Route Alternative Alignments.....	5-2
Figure 12	Design Alternative Alignments	5-5

LIST OF APPENDICES

Appendix A	Preliminary Correspondence.....	A-1
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PREFACE

This Final Environmental Assessment (EA) has been prepared in accordance with the requirements of Chapter 343, Hawaii Revised Statutes (HRS). The City and County of Honolulu Department of Design and Construction (DDC) is proposing to reconstruct a portion of a sewer line located between Oahu Community Correctional Facility (OCCC) and the intersection of Nimitz Highway and Sand Island Access Road in Kalihi Kai, Oahu. The proposed project involves the construction of a new sewer segment and the use of City and County of Honolulu funds and, therefore, requires the preparation of an Environmental Assessment pursuant to Chapter 343, HRS. The DDC has reviewed the comments received during the Draft EA public comment period, and has determined that this project will not have significant environmental effects and has issued a Finding of No Significant Impact (FONSI).

PROJECT SUMMARY

Applicant: City and County of Honolulu
Department of Design and Construction

Accepting Authority: City and County of Honolulu
Department of Design and Construction

Location: Kalihi Kai, Oahu, Hawaii

Tax Map Keys: 1-02-013:002, 008, and 011; and 1-02-022:030

Land Area: 20,000 square feet (estimated)

Recorded Fee Owner: State of Hawaii and various private landowners

Existing Use: Industrial and Public Facility

State Land Use Classification: Urban District

County Zoning Designation: I-2 Intensive Industrial District

Proposed Action: The City and County of Honolulu Department of Design and Construction proposes to reconstruct approximately 753 feet of a sewer line located between Oahu Community Correctional Facility (OCCC) and the intersection of Nimitz Highway and Sand Island Access Road (see Figure 1). The proposed sewer line reconstruction project seeks to address structural deficiencies and to relocate a portion of the existing sewer line for improved accessibility during maintenance, and to increase hydraulic capacities.

Agency Determination: Finding of No Significant Impact (FONSI)

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1. INTRODUCTION

The City and County of Honolulu Department of Design and Construction proposes to reconstruct approximately 753 feet of a sewer line located between Oahu Community Correctional Facility (OCCC) and the intersection of Nimitz Highway and Sand Island Access Road (see Figure 1). The existing 16-inch diameter sewer line, constructed in 1921 of Terra Cotta Pipe (TCP), includes five manholes. A portion of the line is located beneath a warehouse that is currently utilized daily by the existing tenant.

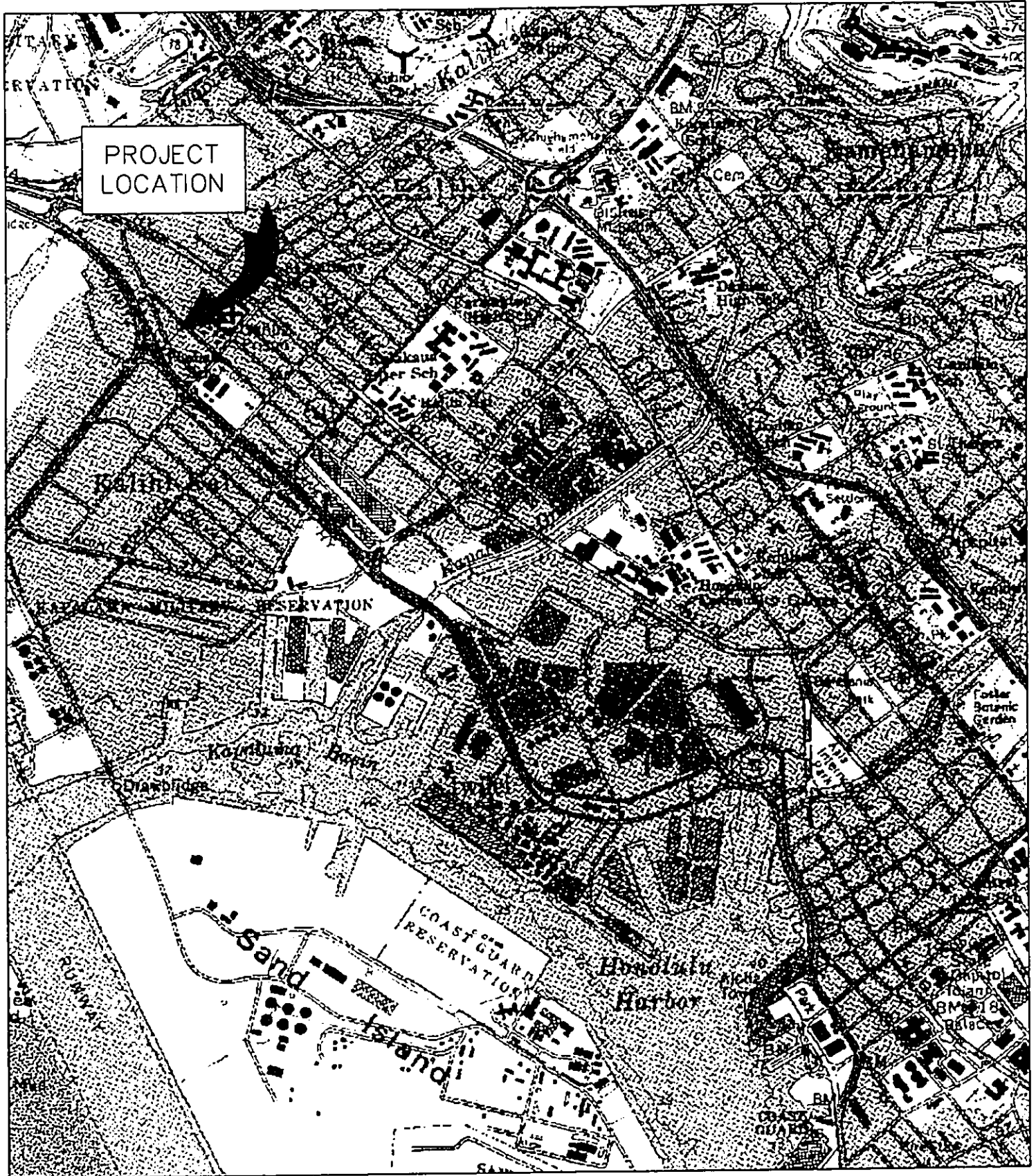
The proposed sewer line reconstruction project seeks to address structural deficiencies, to relocate a portion of the existing sewer line for improved accessibility during maintenance, and to increase hydraulic capacities. A Route Alternatives Study and a Design Alternatives Study were completed in support of the proposed sewer improvements. The recommended alternative includes the relocation of one segment of the sewer line by open cut trenching and the rehabilitation of another segment using cured-in-place pipe (CIPP) lining.

The proposed sewer upgrade will successfully improve sewer maintainability, eliminate surcharge conditions, and support future sewer system improvements in upstream areas.

The proposed project includes design and construction considerations to minimize disruptions to existing businesses and traffic along Nimitz Highway, and to minimize potential ground settlement and movement by way of soil consolidation and dewatering.

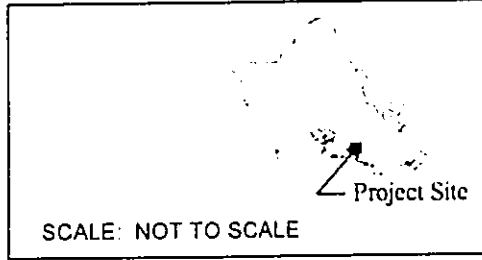
This Final Environmental Assessment and Finding of No Significant Impact was prepared pursuant to the State of Hawaii environmental review process as required and defined by Chapter 343, Hawaii Revised Statutes (HRS) and Title 11, Chapter 200, Hawaii Administrative Rules of the Department of Health.

RECEIVED AS FOLLOWS



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Department of
Design & Construction



DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCC

TMK: 1-2-013

LOCATION MAP
FIGURE 1

Wastewater Division - Planning Date February 2004

2. SETTING AND PROJECT DESCRIPTION

2.1. Background and Project Need

The City and County of Honolulu Department of Design and Construction proposes to reconstruct approximately 753 feet of a sewer line located between Oahu Community Correctional Facility (OCCC) and the intersection of Nimitz Highway and Sand Island Access Road, Kalihi Kai, Oahu. The existing 16-inch diameter sewer line, constructed in 1921 of Terra Cotta Pipe (TCP), includes five manholes. A portion of the line is located beneath a warehouse that is currently utilized daily by the existing tenant.

The City and County of Honolulu Department of Environmental Services, Collection Systems Maintenance Division (CSM-ENV), requested the correction of structural problems identified in the sewer line. The CSM-ENV strongly supported improvement of this sewer line based on historical maintenance problems and cleaning frequency. Moreover, wastewater flow analysis performed by the Department of Planning and Permitting, Wastewater Branch indicates that sewer capacities in certain segments are exceeded with the completion of the Kalihi Stream Sewer Line Relocation (Bannister Place-Laumaka Street Sewer Line Realignment) Project upstream of the proposed project. The wastewater in the collection area is primarily generated from a combination of residential and industrial sources, including the highly populated OCCC facility.

As noted above, a segment of the sewer line is located below a privately owned warehouse. As a result, the sewer is inaccessible and maintenance and repair work is currently difficult to execute. Portions of the sewer line are inadequately sloped (per City and County of Honolulu design standards) and are in poor structural condition. According to CSM-ENV, known offset joints and other pipe deficiencies have hampered previous sewer maintenance and repair efforts.

The Department of Planning and Permitting, Wastewater Branch recommended upgrading the existing line to improve sewer maintainability, eliminate surcharge conditions, and support potential flow increases in the tributary area.

2.2. Project Location

In general, the project is situated in the industrial area along Nimitz Highway near Keehi Lagoon in Kalihi Kai, Oahu (see Figure 1). The sewer line reconstruction affects portions of Tax Map Keys (TMKs) 1-02-013:002, 008, and 011 and 1-02-022:030, and a portion of the Nimitz Highway right-of-way (see Figure 2). With the exception of Nimitz Highway, all parcels are privately owned and are currently occupied by tenants with industrial or commercial uses. The project site includes a

753-foot long corridor that spans from the southern end of OCCC through the intersection of Nimitz Highway and Sand Island Access Road.

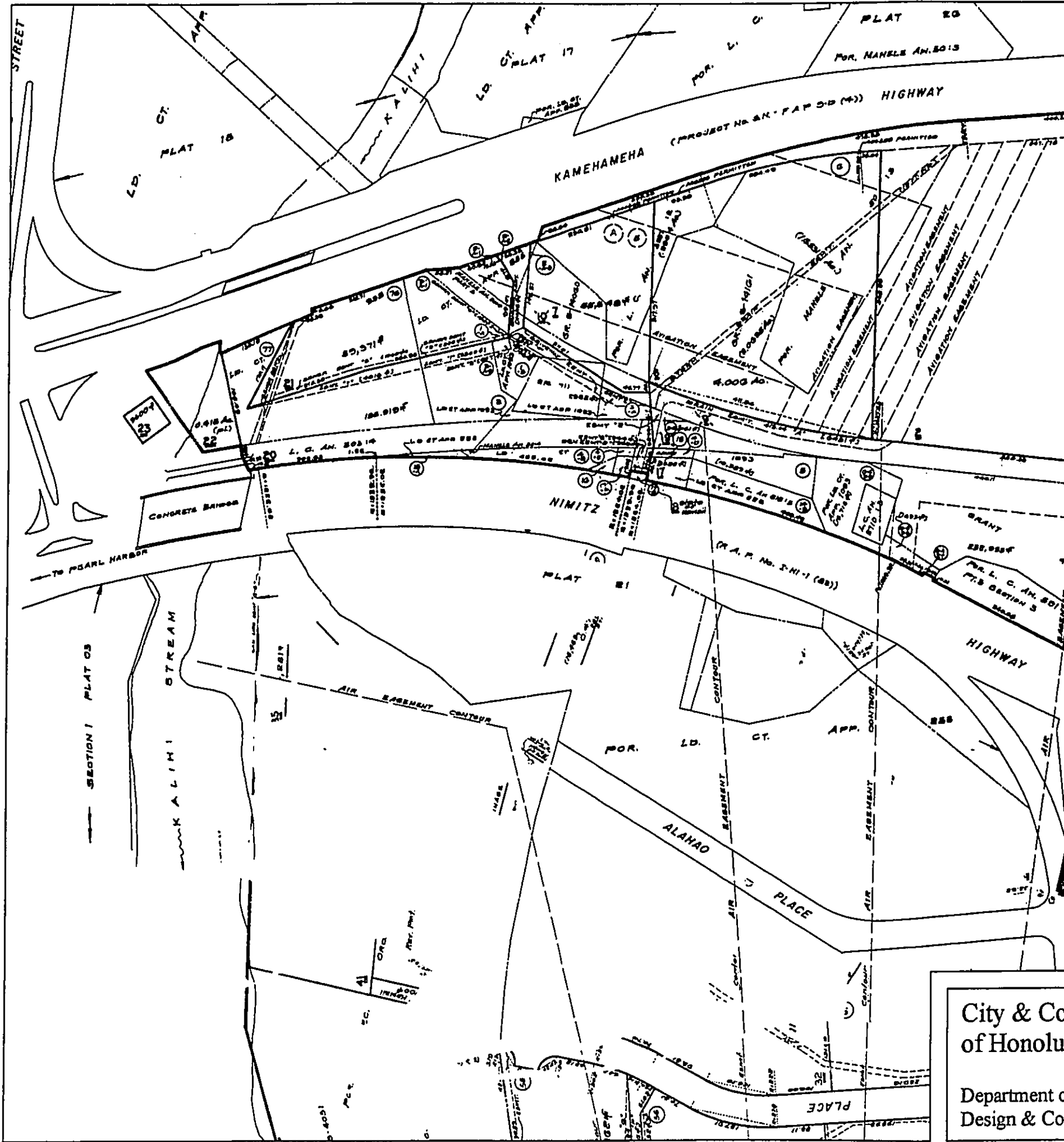
2.3. Existing Sewer Line Conditions

The existing sewer line alignment is shown in Figure 3. Past efforts to repair and maintain the line, as well as studies performed to evaluate the condition of the line have revealed the extent of line deterioration and the need for reconstruction. The portion of the sewer line located between manholes SI03BA2001 to SI03BA2002 is located directly below a warehouse building. As a result, sewer maintenance and repair are nearly impossible. Additionally, flow velocity throughout the line is compromised by sags and low points where the line is inadequately sloped.

The CSM-ENV maintains service logs for sewers within the City's jurisdiction. The maintenance logs within the project limits indicate frequent cleaning (at one to four month intervals). Reportedly, maintenance frequency is high due to a significant amount of debris and trash discharged into the system and the poor sewer line condition. In January 2004, the State Department of Accounting and General Services (DAGS) Division of Public Works completed a mitigation project to collect the debris deposited into the sewer system within the OCCC property. This project included the installation of two new manholes with bar screens and steel baskets and the retrofit of three existing manholes with bar screens and steel baskets. Although the bar screens and steel baskets, all located within OCCC, successfully intercept materials that should not enter the wastewater system, the deteriorated condition of the downstream sewer line, as well as capacity and structural problems, continue to exist. The Department of Environmental Services, Monitoring and Compliance Branch has no records of spill occurrences within the project limits, despite the wastewater flow calculations that indicate surcharge conditions.

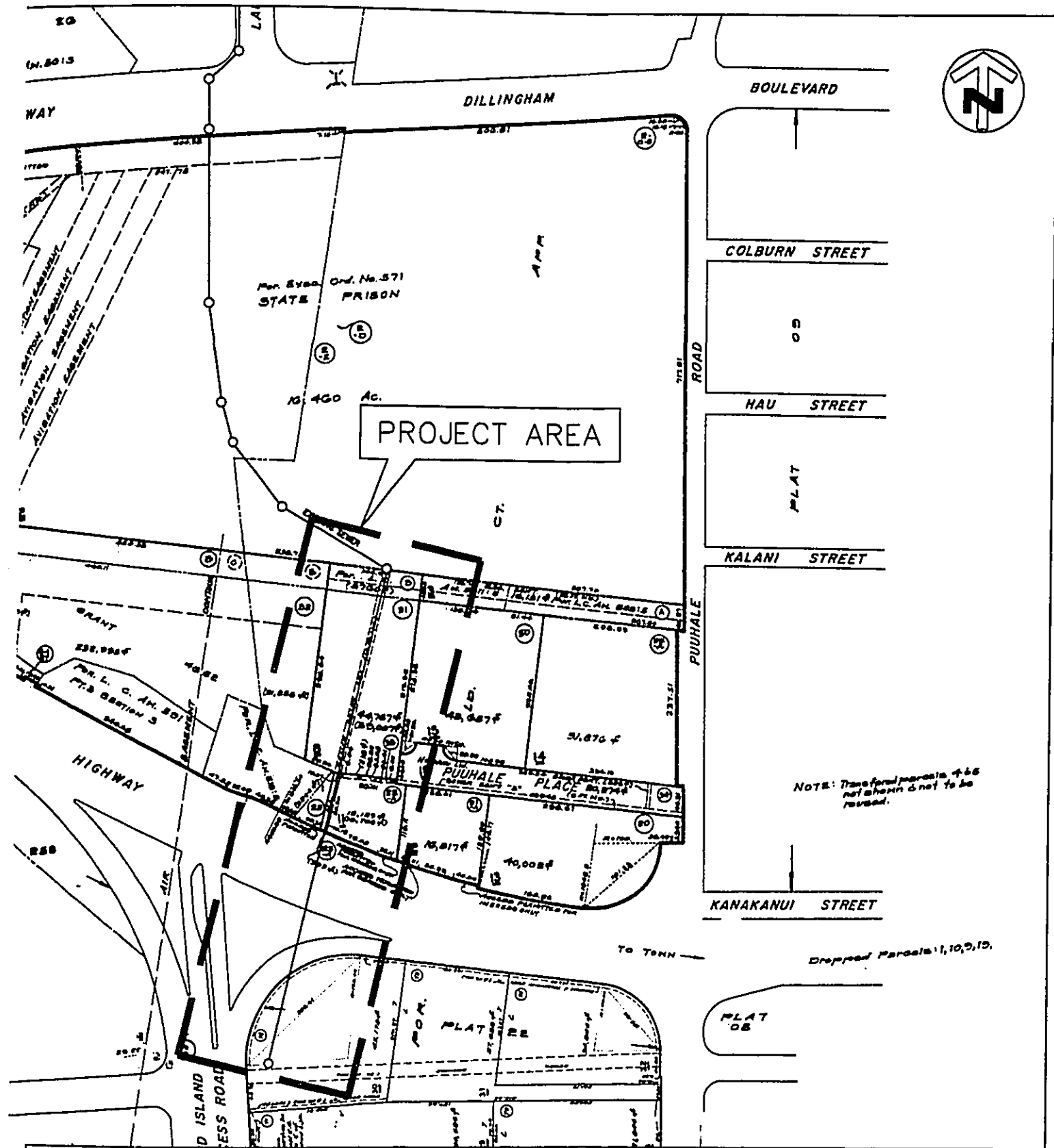
2.4. Land Ownership

The TMKs that are affected by the proposed project are privately owned. Figure 4 is a Land Ownership/Easement Map that notes the location and recorded fee owners of the affected parcels, as well as neighboring parcels. The affected parcels are currently leased to tenants with institutional, industrial and commercial uses. TMK 1-02-013:002 is owned by the State of Hawaii and is occupied by the OCCC facility. TMK 1-02-013:008 is owned by the Weinberg Foundation and Continental Mechanical is the current sub-lessee. TMK 1-02-013:011 is owned by a private individual and is also leased to Continental Mechanical. KHNL/KFVE-TV leases TMK 1-02-022:030 from a private estate. The portion of Nimitz Highway affected by the project is under the jurisdiction of the State of Hawaii Department of Transportation, Highways Division.



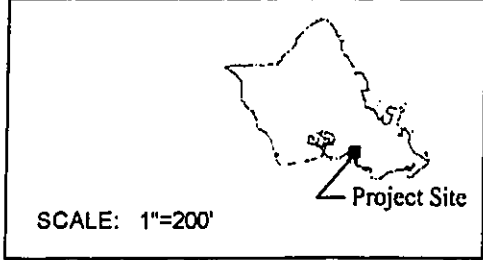
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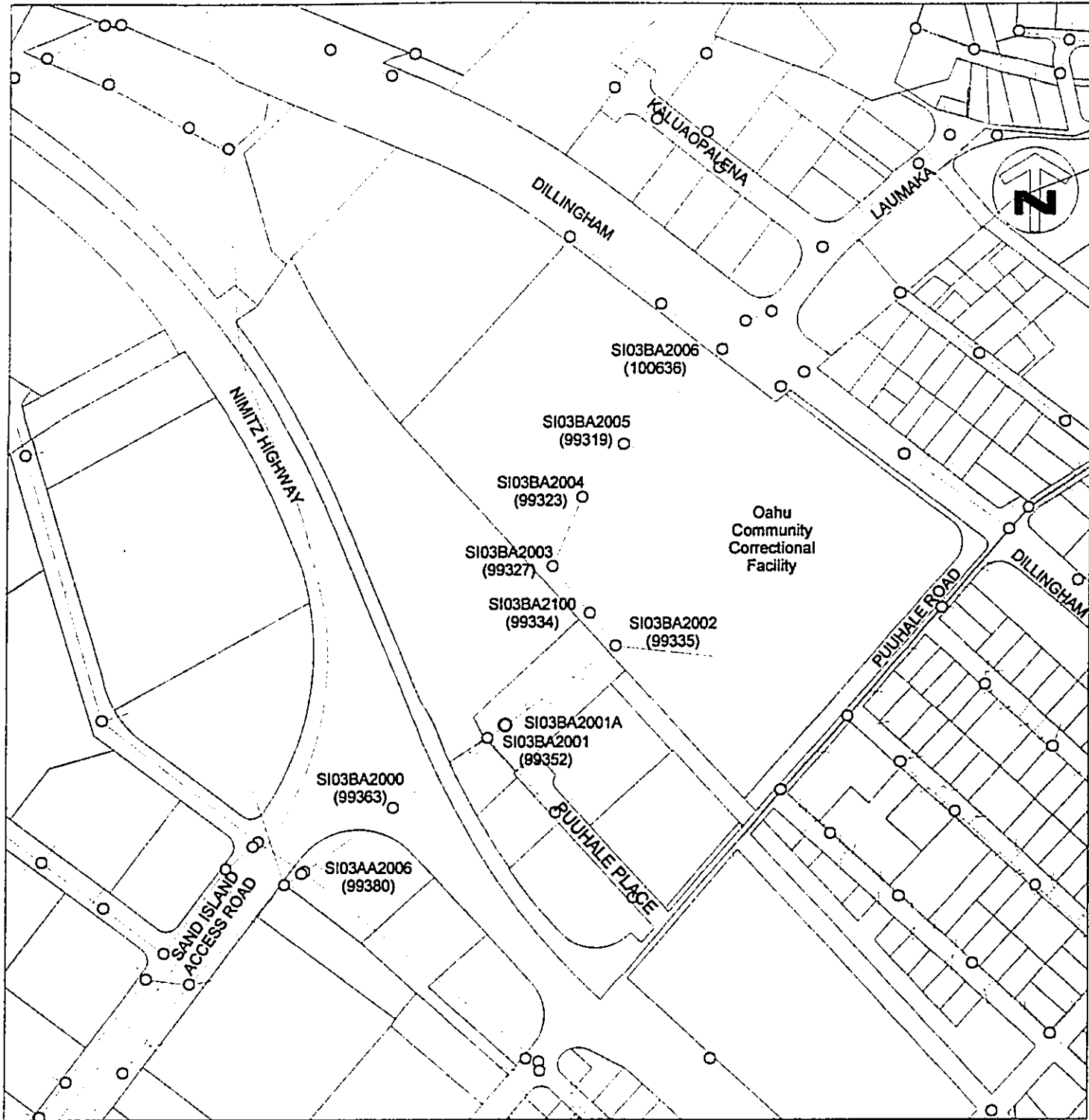


DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCC

TMK: 1-2-013

TAX MAP KEY
FIGURE 2

Wastewater Division - Planning Date: February 2004



LEGEND:

- Existing Sewer
- Existing Manhole
- SI03BA2006 (100636) Sewer ID No.
- ISAP No.

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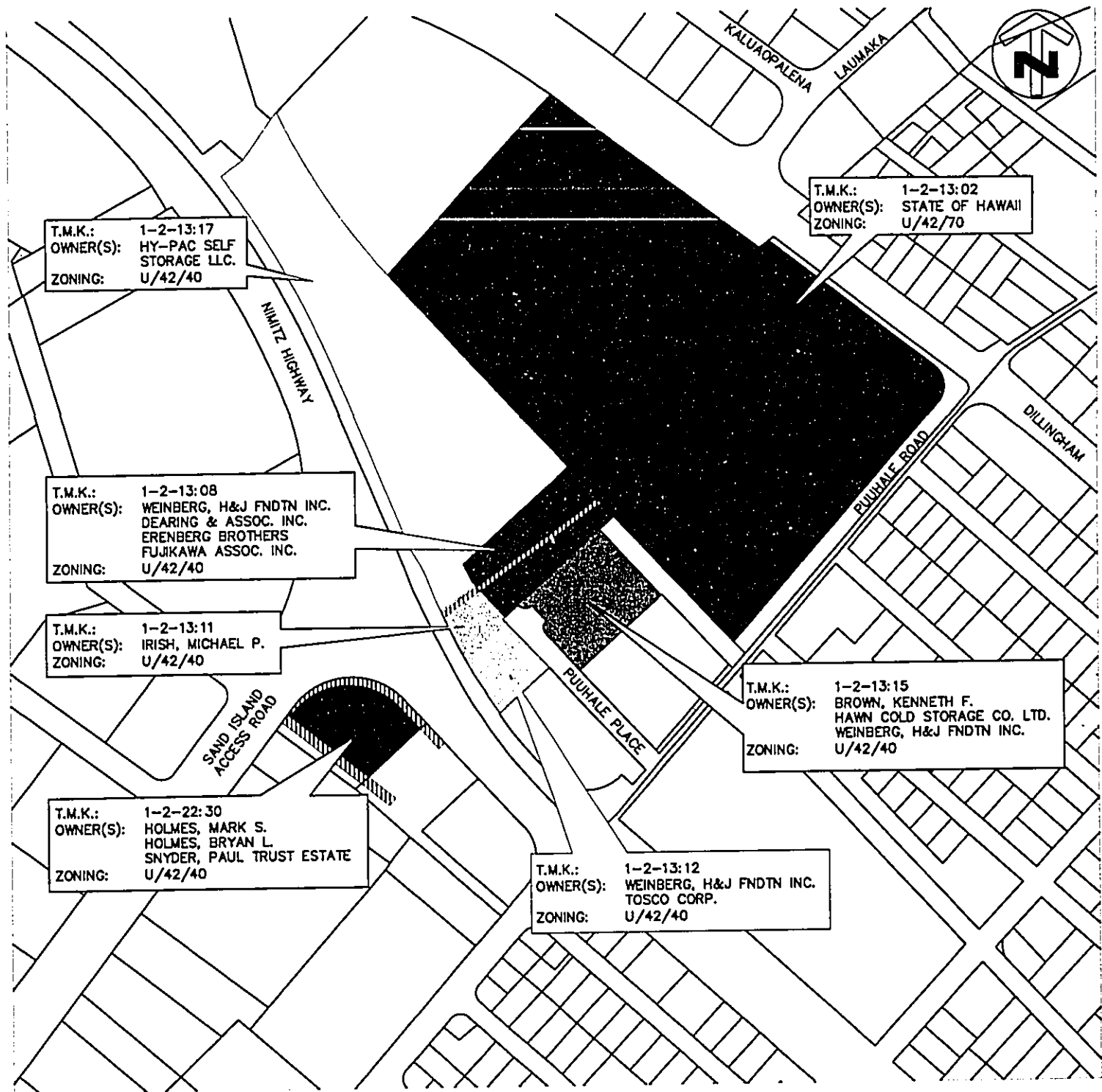
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SCALE: 1" = 300'

**DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCCC**
TMK: 1-2-013

EXISTING SEWER SYSTEM
FIGURE 3

Wastewater Division - Planning Date: February 2004



LEGEND:

— PROPERTY LINE

▨ SEWER EASEMENT

**City & County
 of Honolulu**

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SCALE: 1"=300'

Project Site

**DRAFT ENVIRONMENTAL ASSESSMENT
 NIMITZ HIGHWAY SEWER
 RECONSTRUCTION AT OCCC**

TMK: 1-2-013

LAND OWNERSHIP/EASEMENT MAP

FIGURE 4

Wastewater Division - Planning Date: February 2004

2.5. Surrounding Uses, Tenants, and Structures

The project site is located along Nimitz Highway, a major thoroughfare, flanked primarily by industrial and commercial operations. Figure 5 is an aerial photo of the area with the general proposed sewer alignment shown in red. At the northern end of the project corridor, the State operates the highly populated OCCC prison facility. A small portion of the sewer reconstruction is located along the property line shared with Continental Mechanical.

A significant portion of the project will be constructed within the lot occupied by Continental Mechanical, as the sewer segment in this area must be relocated from beneath the existing warehouse. Continental Mechanical's activities can be characterized as light manufacturing, processing and fabrication. Continental Mechanical's western property boundary is shared with Hy-Pac Self Storage, another commercial/industrial operation. KHNL/KFVE-TV occupies the lot at the southern end of the project corridor. Their operations include broadcast and production activities for local networks.

2.6. Proposed Action

The proposed sewer line reconstruction project seeks to achieve the following objectives:

- Address structural deficiencies;
- Relocate a portion of the existing sewer line to improve accessibility for maintenance purposes; and
- Increase hydraulic capacities.

A Route Alternatives Study and a Design Alternatives Study were completed in support of the proposed sewer improvements, and the recommended action includes the relocation of sewer line Segment 1 by open cut trenching and the rehabilitation of Segment 2 using cured-in-place pipe (CIPP) lining. Figure 6 shows the general site plan for the proposed project.

Segment 1 will be relocated with the installation of an 18-inch PVC. Associated Segments 1A and 1B will be constructed of 8-inch PVC and 18-inch PVC pipe, respectively. Based on the relatively shallow depth of sewer line Segment 2, CIPP is the preferred construction method for rehabilitation. The CIPP liner will be fed into existing manholes from the surface at appropriately located staging areas. This construction method minimizes surface impacts to surrounding uses while providing the necessary hydraulic capacity improvements. The engineering reports prepared for this project identified a severe sag in Segment 2 that will require spot repair by open cut trenching prior to CIPP improvements.

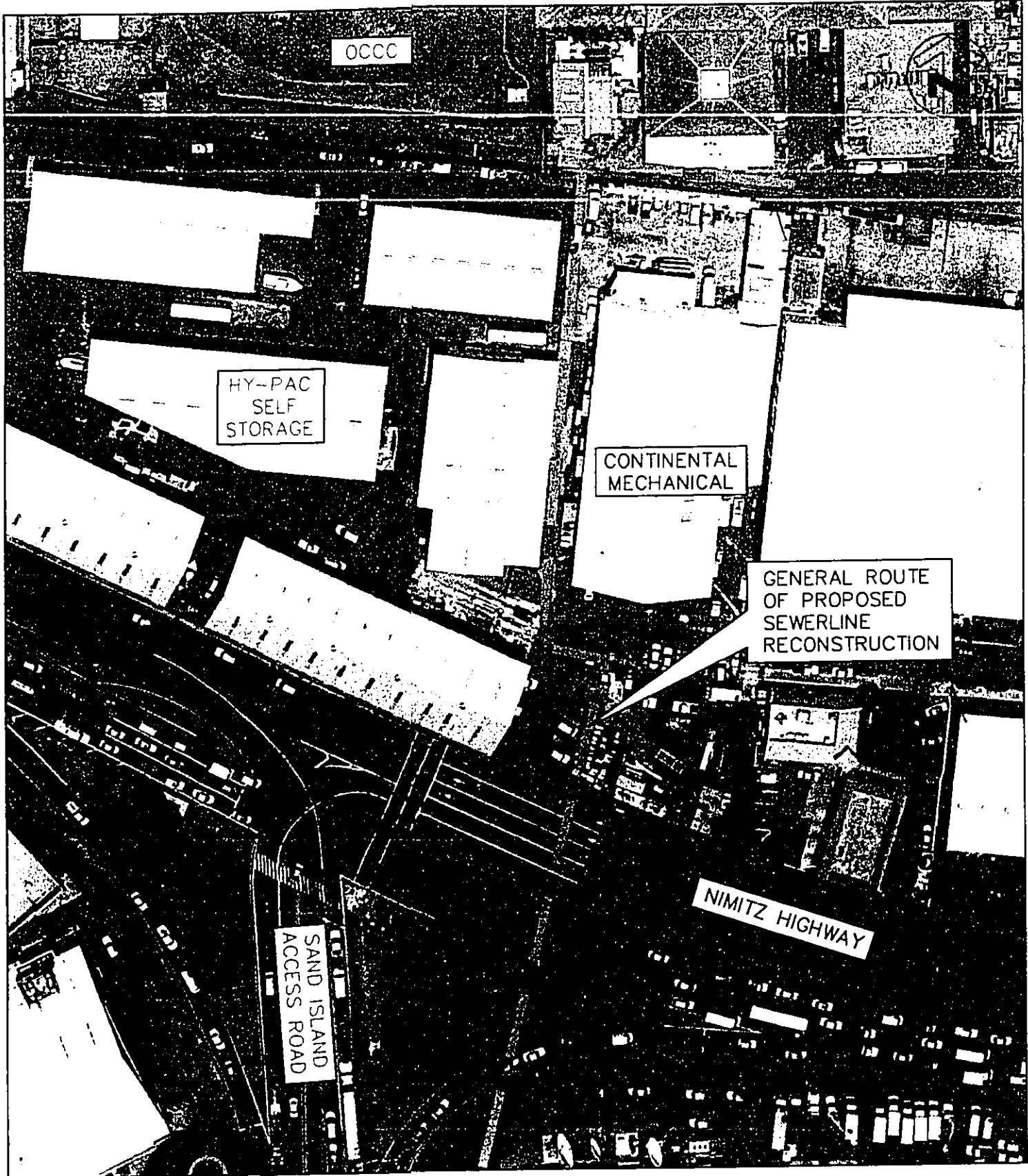
The proposed project includes the following design and construction considerations:

- Night work will be required to minimize disruptions to existing businesses and traffic traveling along Nimitz Highway. Open trenches will be covered with steel plates during daytime operating hours.
- Potential ground settlement and movement that may be induced by the installation of sheet piles will be minimized through the use of appropriate construction techniques. It is recommended that the existing warehouse structure be underpinned to mitigate any impacts to the building's foundation.
- Adequate trench support and use of ground-water inflow control methods will be employed during excavation to mitigate soil consolidation and compression of soft deposits, and to minimize necessary dewatering. Ground-water levels will be monitored at temporary monitoring wells installed near excavations.
- All necessary permits and approvals will be acquired prior to the construction of the proposed sewer improvements.

The completion of the proposed project will result in the correction of existing structural problems and address current maintenance issues. The flow capacity of the sewer line will also be improved to accommodate potential increases in flow from tributary areas, allowing for the connection of existing vacant lots and accommodating improvements and changes in existing establishments. No new development is envisioned for these areas. The proposed sewer upgrade will successfully improve sewer maintainability and eliminate surcharge conditions.

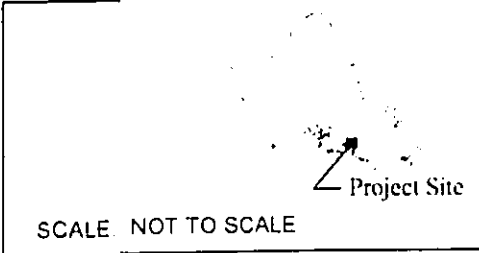
2.7. Project Schedule and Cost

Construction of the proposed project is anticipated to commence in the first quarter of 2005, with project completion within six months. The estimated total project cost is \$2,128,000.



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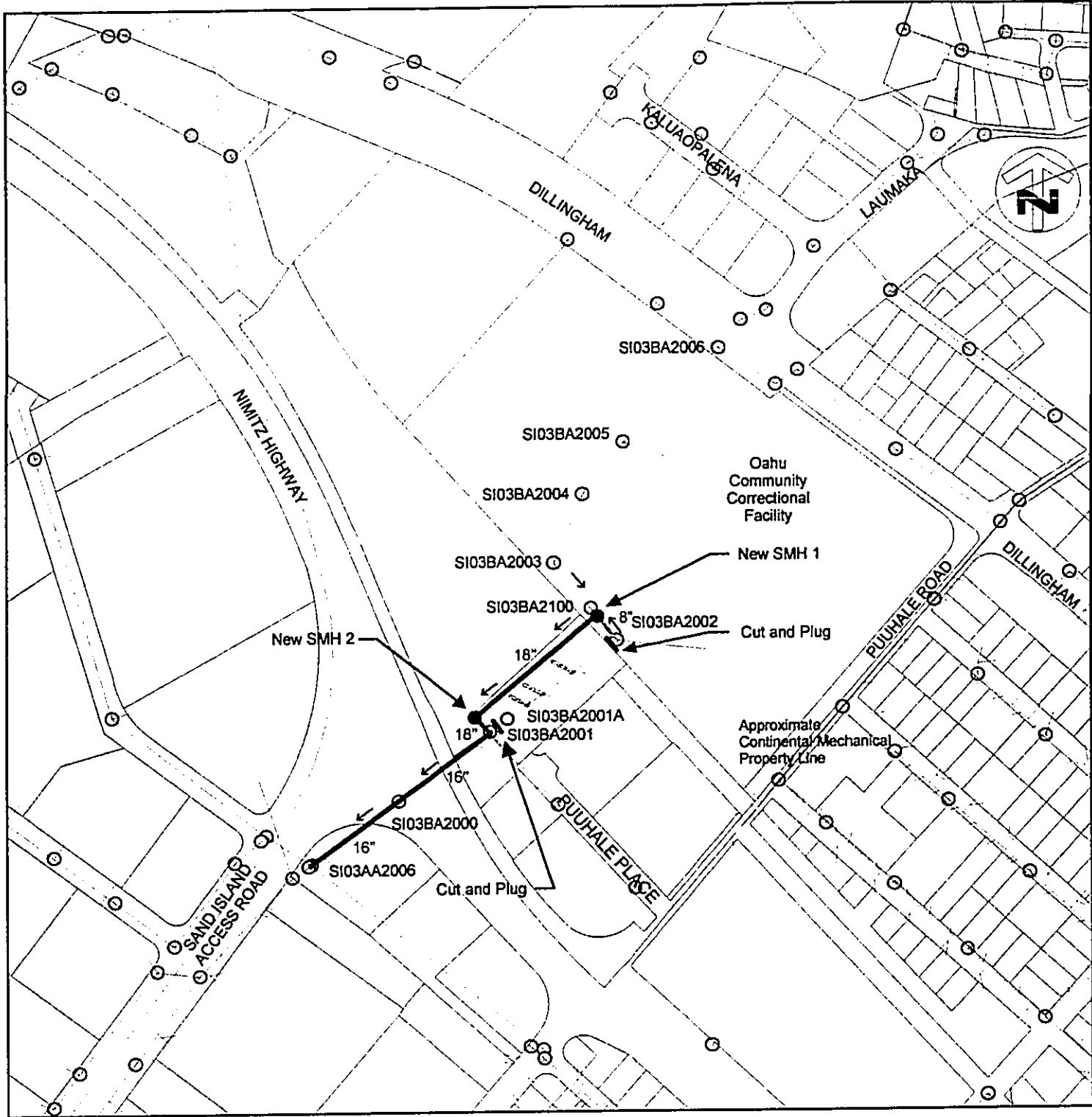


DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCCC

TMK: 1-2-013

AERIAL PHOTO
FIGURE 5

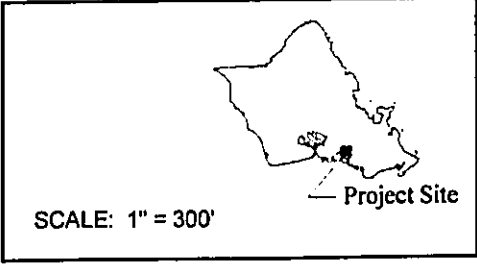
Wastewater Division - Planning Date: February 2004



LEGEND:		
Existing Sewer	Proposed Sewer Manhole	SEGMENT 2: CIPP
Existing Sewer Manhole	SEGMENT 1: Open Cut Trench	Reconnect Existing Laterals to New Sewer Line with 6" Pipe (Open Cut Trench)
18" Diameter of Proposed Sewer Line	SEGMENT 1A: Open Cut Trench (Reverse Flow)	Direction of Flow
	SEGMENT 1B: Open Cut Trench	

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NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCCC
 TMK: 1-2-013

GENERAL SITE PLAN
RECOMMENDED DESIGN ALTERNATIVE
FIGURE 6

Wastewater Division - Planning Date: February 2004

3. DESCRIPTION OF THE EXISTING ENVIRONMENT, PROJECT IMPACTS, AND MITIGATION MEASURES

3.1. Climate

The climate at the project site is characterized by relatively constant temperatures, persistent trade winds and infrequent severe rainstorms. The prevailing northeasterly trade winds account for about 60 percent of the winds affecting the Island of Oahu. The mean monthly wind velocity varies between 10 and 15 miles per hour.

Daily maximum temperatures range from the high 70s in the winter to the upper 80s in the summer. Daily minimum temperatures vary from the low 60s in the winter to the low 70s in the summer.

Rainfall in the vicinity of the project site is relatively low, about 20 to 25 inches per year. Generally, about 50 percent of the total annual rainfall occurs during the three wettest months of December, January, and February.

Impacts

No impacts on climatic conditions are anticipated as a result of the construction and operation of the proposed sewer line reconstruction.

3.2. Geology

The project site is situated within the narrow coastal plain that spans Oahu's south-central coast, geologically referred to as the Honolulu Plain. The Honolulu Plain and much of the southern edge of Oahu is underlain by a broad, elevated coral reef, covered by alluvium deposited by streams originating in the Koolau Range. The coral reef was formed when the island was subject to higher sea levels during prehistoric times. The Honolulu Plain ranges in elevation from zero to ten feet.

This area of the coastal plain is essentially underlain by a sequence of reef limestones and noncalcareous marine sediments. Flows from the Honolulu Volcanic Series may also be found interspersed with the limestone. Occasional formations of alluvial material contribute to bedding formations. The total thickness of coastal plain sediments is estimated at 1,200 feet.

Impacts and Mitigation Measures

Segment 1 of the sewer line will be installed using the conventional construction method of open cut trenching. A trench approximately 370 feet long and four to six feet wide will be excavated to a depth of 15 feet for pipe installation. Excavation and grading activities are not expected to have any significant impact on the subsurface of the project site. Any application of engineering fill will augment the onsite material to provide a geotechnically sound environment.

3.3. Topography

The Honolulu Coastal Plain ranges in elevation from zero to ten feet above sea level. The topography in the vicinity of the project site ranges from approximately 13 feet at the property line with OCCC to approximately 10 feet at the intersection of Nimitz Highway and Sand Island Access Road. The project site is relatively flat.

Impacts and Mitigation Measures

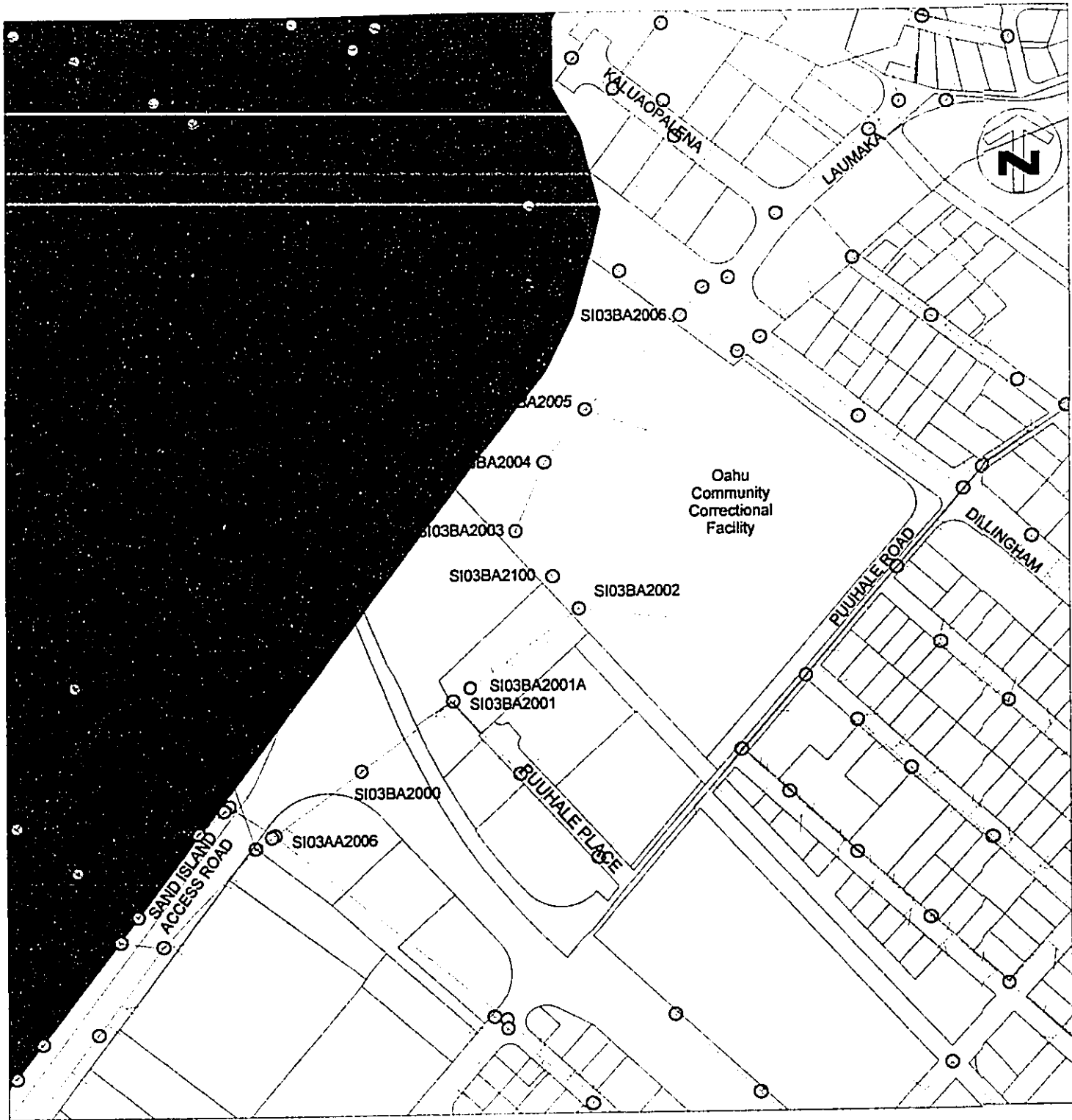
Construction of the proposed improvements will require open cut trenching along one segment of the sewer line reconstruction. The affected areas will be finished and paved to match the existing grade. Hawaii Revised Statutes §103D-407 requires the use of recycled glass in paving materials wherever possible and the contractor shall comply with the provisions of §103D-407 in all paving activities. No adverse impacts to the topography of the project site are anticipated as a result of the completion of the project.

3.4. Soils

According to the U.S. Soil Conservation Service (1977), the land type in the project vicinity is classified as Ewa silty clay loam, moderately shallow, 0 to 2 percent slopes (EmA). This soil type occurs on alluvial fans and terraces where a dark reddish-brown silty clay loam extends approximately 20 to 50 inches to a substratum of coral limestone, sand, or gravelly alluvium. Runoff is very slow, and the erosion hazard is no more than slight.

The soil type immediately to the west of the project site is classified as fill land, mixed (FL), which belongs to the Lualualei-Fill land-Ewa association (see Figure 7). This land type occurs mostly near Pearl Harbor and in Honolulu, adjacent to the ocean, and is used for urban development including airports, housing, and industrial facilities.

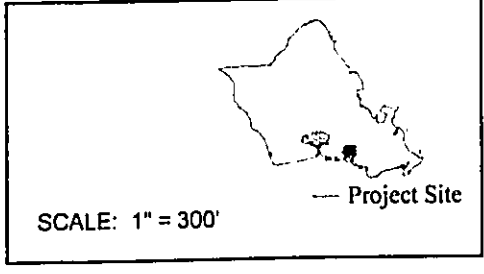
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LEGEND:	COLOR	SOIL TYPE
		FL - FILL LAND, MIXED
		EmA - EWA SILTY CLAY LOAM, MODERATELY SHALLOW, 0 TO 6 PERCENT SLOPES

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DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCCC
TMK: 1-2-013

SOIL TYPES
FIGURE 7

Wastewater Division - Planning Date: February 2004

FL consists of two general soil conditions, the first of which is dredged fill resting upon one to two feet of mud underlain by a coral ledge. The second type is dredged fill placed upon soft lagoonal deposits where a coral ledge is not present.

A geotechnical investigation of the project site was conducted by Pacific Geotechnical Engineers, Inc. on January 22, 2003. Three borings were made, extending to depths between 25.5 and 30.5 feet below the existing ground surface.

The borings were equally spaced along the 750-foot long route of the new sewer. Thus, the actual field occurrence of the geologic units and contacts, and subsurface and ground-water conditions between borings may vary from those indicated in the data. The subsurface conditions were interpolated based on subcontractor interpretations and expertise. The following excerpt from the Design Alternatives Report, Part II summarizes the general findings of the soils investigation.

In general, site subsurface conditions encountered in our borings consisted of approximately 2 to 5 feet of silt, sand and gravel fill at the surface below existing surface top soil at Boring 1, and existing pavements at Borings 2 and 3. The fill in Boring 2 contained some debris consisting of wire and nails.

The fill in Boring 1 and 2 was underlain by coral reef deposits generally consisting of medium hard coral reef rock and loose to medium sand and gravel with some weakly to moderately cemented zones to the bottom of these holes at 25.5 feet. A thin layer of soft to medium stiff alluvial elastic silt was encountered in Boring 2 between depths of 9.5 to 10.5 feet.

The fill in Boring 3 consisted of coralline sand directly below the AC surface, underlain by stiff elastic silt to a depth of approximately 5 feet. Below the fill, subsurface conditions generally consisted of medium to hard coral reef rock to a depth of approximately 8 feet. The coral was underlain by a layer of very soft and compressible marsh deposits consisting of peat material to a depth of approximately 13 feet. Subsurface conditions below the marsh deposits generally consisted of very loose to medium dense coralline sand and gravel with some locally weakly cemented to moderately cemented zones to the bottom of this hole at 30.5 feet.

The City and County has noted a history of problems with a manhole located in this area. Recent inspections revealed that the bottom of the pipe was missing at two locations in the pipe segment. This information supports the presence of the marsh deposit identified in the geotechnical investigation. Further geotechnical exploration was completed in December of 2003 to verify the extent of the marsh deposit encountered in Boring 3. Three additional borings were made, revealing that the marsh layer is concentrated in the area around Boring 3, near the Nimitz Highway

corridor, and subsurface conditions are appropriate for conventional open-cut construction methods.

Impacts and Mitigation Measures

No adverse impacts to soils at the project site are anticipated. The proposed sewer upgrade involves open cut trenching for the installation of one segment of the sewer line. Adequate trench support and use of ground-water inflow control methods will be employed during excavation to mitigate soil consolidation and compression of soft deposits, and to minimize necessary dewatering. Ground-water levels will be monitored at temporary monitoring wells installed near excavations. Potential ground settlement and movement that may be induced by the installation of sheet piles will be minimized through the use of appropriate construction techniques. As the existing warehouse structure is adjacent to the sewer line installation, the contractor may choose to utilize underpinning to reinforce the building's foundation. Excavation and grading activities will comply with the City and County of Honolulu grading ordinance and include appropriate erosion control measures.

Based on proposed pipe elevations, the new sewer line will likely interact with the marsh deposit, which may create construction challenges and may pose settlement problems over time. Recommended mitigation measures to avoid long-term settlement impacts include the use of soil stabilization techniques, such as the installation of jet grout. Replacement of excavated soil as fill material above the new line is also recommended.

3.5. Ground Water

According to the State Department of Land and Natural Resources (DLNR) aquifer classification system, the aquifer underlying the project site is the Kalihi aquifer system of the Honolulu aquifer sector.

Impacts and Mitigation Measures

The proposed project is not anticipated to have any impact on ground-water resources. The water table in the area is relatively shallow and some dewatering activities will be necessary during construction and installation of one segment of the sewer line, however, dewatering will be minimized through the use of appropriate ground-water inflow control methods. The long-term use of the reconstructed sewer line is not anticipated to introduce contaminants into the ground-water aquifer. Recommended use of soil stabilizing material within the trench, such as jet

grout, will provide an additional barrier between the new line and the ground-water table. Further, completion of the sewer reconstruction will likely improve shallow ground water conditions by repairing existing deficiencies.

A National Pollutant Discharge Elimination System (NPDES) General Permit for discharges of construction dewatering effluent will be required for this project. A Notice of Intent to be covered by NPDES General Permit must be submitted to the State Department of Health, Clean Water Branch at least 30 days before the commencement of construction activities.

3.6. Hazardous Materials

In the Kalihi Kai Industrial area, soil contamination due to petroleum products is present in numerous areas. During the geotechnical investigation conducted along the project corridor, no contaminated soil or ground water was encountered or observed. There are no known underground storage tanks in use or abandoned at the project site.

Impacts and Mitigation Measures

Impacts due to the presence of contaminated soils or other hazardous materials are not anticipated. If contaminated soils or ground-water are encountered during trenching activities, the contractor will be responsible for employing appropriate precautions and best management practices for the protection of construction workers and the containment and/or disposal of contaminated soils or hazardous materials, as required by the State Department of Health.

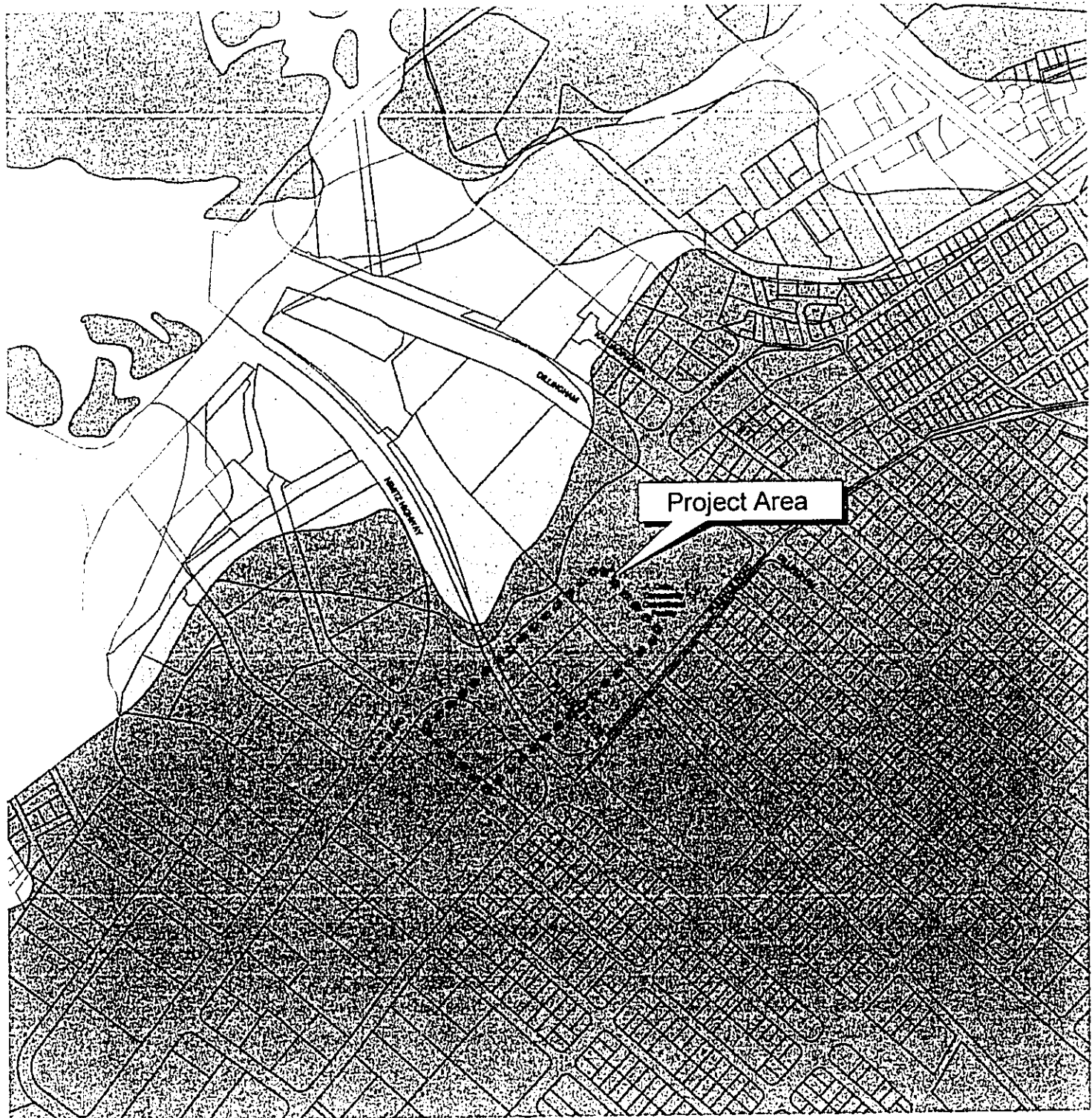
3.7. Flood, Tsunami, and Earthquake Hazard

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), Map Number 15003C0353 E, the project site is identified as within Zone X, areas determined to be located outside the 500-year flood plain (see Figure 8).

According to the tsunami evacuation zone maps produced by the Joint Institute for Marine and Atmospheric Research and the State Civil Defense System, the project site is not within a tsunami evacuation zone.

The risk of earthquake hazard in the Honolulu Coastal Plain area is minimal, and the project site is not located within an area with a high hazard rating.

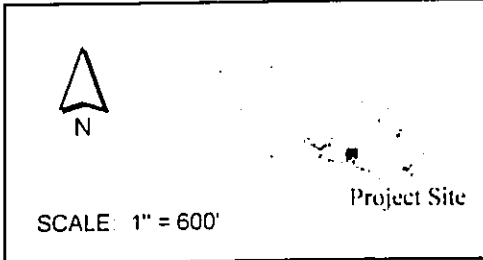
RECEIVED AS FOLLOWS



LEGEND:	COLOR	FLOOD ZONE	COLOR	FLOOD ZONE
	[White box]	AE	[Dotted box]	X
	[Light gray box]	AO		
	[Dark gray box]	XS		

City & County
of Honolulu

Department of
Design & Construction



DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCCC
TMK 1-2-013

FLOOD ZONE DESIGNATION
MAP
FIGURE 8

Wastewater Division - Planning Date: February 2004

Impacts and Mitigation Measures

It is unlikely that the construction and operation of the proposed sewer line improvements will result in the flooding of the project site or the surrounding area. Possible earthquake impacts will be minimized through the construction of the new sewer line to City and County of Honolulu design standards. After completion of construction activities, the ground surface will be finished and paved to align with existing surface elevations.

3.8. Floral and Faunal Resources

Generally, the project site and surrounding area consist of highly altered urban environments that provide little habitat for any terrestrial flora and fauna. Vegetation in the vicinity of the project site is influenced by low rainfall, saline soil, infilling of the area, and the high degree of development and human activity. Consequently, only a small variety of plant life, characterized as drought resistant and highly salt tolerant can be found in the vicinity. No Federal or State listed or candidate threatened or endangered species are found at the project site.

Faunal species in the vicinity consist of mammals and birds that have adapted to the urban environment. Mongoose, rats, mice, and cats are common. Avifauna species presumed to inhabit the area are those common to urban environments and include the common mynah, house finch, barred dove, house sparrow, Brazilian cardinal, red-vented bulbul, spotted dove, and pigeon.

Impacts and Mitigation Measures

Completion of the proposed project will not require the clearing of any existing vegetation at the project site. No significant impact is anticipated, as there are no known threatened or endangered species of flora or fauna inhabiting the highly altered urban environment of the project site. No loss of habitat will occur as a result of the proposed sewer line reconstruction.

3.9. Air Quality

Air quality at the project site is primarily affected by vehicular emissions from surrounding roadways. Nimitz Highway and Sand Island Access Road are the major roadways in the project vicinity that carry heavy volumes of traffic. Fugitive dust from unpaved surfaces nearby can also affect ambient air quality. Fugitive dust can also occur as a result of operations carried out by existing business operations in the project area.

Generally, air quality in the vicinity of the project area is considered to be good and meets National Ambient Air Quality Standards (NAAQS) and State Ambient Air Quality Standards (SAAQS). The State Department of Health monitors air quality at selected locations throughout the State. The Downtown Honolulu monitoring station, which measures the volume of particulate matter, and the Sand Island monitoring station, which only monitors ozone levels, are located nearest the project site and data from both stations indicate that air quality is well within Federal and State Standards.

Air quality in the project vicinity is positively influenced by northeast tradewinds that predominate throughout the year and blow pollutants from inland areas out to sea. Problems with poor air quality are more likely to occur when tradewinds diminish or give way to southerly winds. Localized problems of poor air quality may occur under adverse Kona wind conditions in areas of intense industrial development or along heavily used roadways.

Impacts and Mitigation Measures

The proposed project is anticipated to have short-term construction-related impacts on air quality, including the generation of dust and emissions from construction vehicles and equipment. The contractor will be responsible for complying with State Department of Health (DOH) Administrative Rules, Title 11, Chapter 60, "Air Pollution Control."

During the construction of the proposed sewer line improvements, two potential types of air pollution emissions will likely occur: 1) Fugitive dust from soil excavation and the movement of construction vehicles; and 2) Carbon monoxide and nitrogen oxide emissions from on-site construction equipment.

Construction activities must comply with the provisions of Hawaii Administrative Rules, Chapter 11-60.1, "Air Pollution Control," Section 11-60.1-33, Fugitive Dust. Compliance with State regulations will require adequate measures to control fugitive dust by methods such as, but not limited to:

- Planning the different phases of construction, focusing on minimizing the amount of dust generating materials and activities, centralizing on-site vehicular traffic routes, and locating potentially dusty equipment in areas of the least impact;
- Providing an adequate water source at the project site prior to initiation of construction activities;

- Landscaping and rapid covering of bare areas, including slopes, starting from the initial grading phase;
- Controlling of dust from shoulders and access roads;
- Providing adequate dust control measures during weekends, after hours, and prior to daily start-up of construction activities;
- Controlling dust from debris being hauled away from the project site; and
- Constructing a dust barrier/fence.

Exhaust emissions from construction vehicles are anticipated to have negligible impacts on air quality in the project vicinity, as emissions would be relatively small and readily dissipated.

The State Department of Health recommends that a dust control management plan be developed to identify and address all activities that have a potential to generate fugitive dust, and the contractor will be responsible for the implementation of adequate dust control measures during all phases of development and construction activities.

No significant adverse impacts are anticipated upon completion and during operation of the proposed sewer line reconstruction.

3.10. Noise

Noise levels in the vicinity of the project site are primarily the result of vehicular traffic, existing business operations, and aircraft over flights. The project site is near the path of tradewind aircraft departures, particularly from the Reef Runway of the Honolulu International Airport located approximately 6,000 feet west of the project site. At the project site, traffic along Nimitz Highway and the movement of vehicles and machinery during daily business operations are the primary sources of noise, as is to be expected in an industrial area.

Impacts and Mitigation Measures

Noise from construction activities will likely be unavoidable during the entire construction period. Unavoidable construction noise impacts will be mitigated to some degree by the contractor's compliance with the provisions of the State DOH Administrative Rules, Title 11, Chapter 46, "Community Noise Control" noise regulations. These rules require a noise permit if the noise level from construction activity is expected to exceed the allowable levels stated in the Chapter 46 rules. It shall be the contractor's responsibility to minimize noise by properly maintaining noise

mufflers and other noise-attenuating equipment, and to maintain noise levels within regulatory limits.

It is anticipated that night construction activities will exceed allowable levels. A noise variance will be obtained prior to commencement of construction activities, in accordance with the Chapter 46 rules. Additionally, the contractor shall coordinate the construction schedule with the KHNL/KFVE TV station to minimize noise impacts to nighttime broadcasting activities.

In the long-term, no significant noise impacts are anticipated due to the completion and operation of the proposed sewer upgrade, as the typical noise levels induced by the existing uses on the project site are expected to continue.

3.11. Archaeological and Cultural Resources

Due to the highly developed nature of the project site, no archaeological resources are believed to be present at the site. In a letter dated October 17, 2003 (see Section 8.1), the State Department of Land and Natural Resources, Historic Preservation Division (SHPD), noted that no historic properties are believed to be present because residential development and urbanization has altered the land. Moreover, "the project area is underlain by alluvial soils which have been extensively disturbed through urbanization . . . [and] it is unlikely that significant historic sites are still present."

Any cultural activities that may have been historically associated with the Kalihi Kai area were terminated by the urbanization of the area beginning in the mid-twentieth century. Subsequent development of the area with various industrial and institutional uses has left little habitat for any terrestrial flora and fauna that may be of cultural value.

Impacts and Mitigation Measures

It is unlikely that any subsurface archaeological resources are present at the project site. In the aforementioned letter from the SHPD dated October 17, 2003, the agency expressed their belief that "no historic properties will be affected" by the proposed project. However, in the event that historic remains be encountered during construction activities, work in the vicinity of the find will cease immediately and the find will be protected from further damage. The contractor shall immediately contact the SHPD to assess the significance of the find and recommend an appropriate mitigation measure, if necessary.

No impacts to cultural resources are anticipated, as previous development and current use of the project site precludes the presence of any resources that may be of cultural value.

3.12. Socio-Economic Characteristics

3.12.1. Existing Businesses and Surrounding Uses

As described in Figure 4, the proposed project will affect portions of TMKs 1-02-013:002, 008, and 011; TMK 1-02-022:030; and a portion of the Nimitz Highway right-of-way. Businesses associated with these TMKs are listed in the table below:

TMK	Occupant	Activity	Notes
1-02-013:002	State of Hawaii	OCCC Facility	Land Owner
1-02-013:008	Continental Mechanical	Industrial	Sub-Lessee
1-02-013:011	Continental Mechanical	Industrial	Lessee
1-02-022:030	KHNL/KFVE TV	Commercial	Lessee

During the exploration of route and design alternatives, Continental Mechanical, KHNL/KFVE, and OCCC were consulted regarding the possible impacts to their businesses during the construction period. Honolulu, Limited, the land owner of TMK 1-02-013:008, was also consulted. The occupant of the property located immediately west of the project site, Hy-Pac Self-Storage, was contacted and consulted with regard to possible project impacts to their business operations. Copies of relevant correspondence are reproduced in Appendix A.

Impacts and Mitigation Measures

The proposed sewer line reconstruction route and construction methods will minimize surface impacts while providing the necessary hydraulic capacity improvements at a feasible cost. Short-term impacts to existing businesses and surrounding uses may occur in the following areas: business operations, pedestrian and vehicular traffic, driveway access, and infrastructure conflicts. The greatest impact areas are associated with Nimitz Highway and the properties utilized by Continental Mechanical, Hy-Pac Self Storage, KHNL/KFVE-TV, and OCCC.

The significant short-term impact associated with the proposed project is construction activity for the new sewer segment within the Continental Mechanical lot. In addition to trenching activities, the proposed project requires the demolition of two concrete block walls that border the west and north ends of the property. The City and County will be responsible for the demolition and reconstruction costs associated with the Continental Mechanical and OCCC property. Sewer laterals from the new line must also be connected to the Continental Mechanical building.

The realignment of the sewer line along the perimeter of Continental Mechanical lot will require the City's acquisition of an easement within the existing privately-owned driveway. The City and County will negotiate the purchase of this easement with the landowner, Honolulu Limited. In a letter dated January 13, 2004, the State Department of Land and Natural Resources commented that Executive Order No. 570 granting the City and County of Honolulu a sewer line easement through the OCCC property does not accurately reflect the alignment of the existing sewer line. Although this portion of the sewer line is not within the limits of the proposed project, the City intends to request the abandonment of the existing easement and negotiate the acquisition of a new easement.

Additional short-term construction impacts will occur within the Nimitz Highway corridor due to spot improvements that involve open-cut trenching. Such improvements will be required for the remediation of existing sags within the segment in preparation for the installation of the CIPP lining.

The impacts of construction activities will be primarily mitigated by scheduling work at night during non-business hours and non-peak traffic periods. Night work will ensure minimal impact to Continental Mechanical's operations, as well as traffic traveling along Nimitz Highway. Night work will also eliminate the inconvenience of construction noise and dust-related impacts to Continental Mechanical and neighboring businesses during operating hours.

During the day, the project site and all associated construction equipment will be secured and located so as not to impede daily business activities. Open trenches will be covered with steel plates to allow vehicular movement within the project site.

There are no adverse long-term socio-economic impacts anticipated due to the completion and operation of the proposed project.

3.12.2. Police, Fire and Ambulance Service

Police: Police protection services in the vicinity of the project site are provided by the Honolulu Police Department (HPD). The project site is located within HPD's Patrol District 5, which extends from the Pali Highway in the east to Aliamanu Street in the west.

Fire: Fire protection services are provided by the Honolulu Fire Department. Fire stations in the vicinity of the project site include the Kalihi Kai Fire Station located approximately one mile east of the project site and the Kalihi Fire Station located about one mile northeast of the project site.

Ambulance: The nearest Emergency Medical Service (EMS) ambulances are based at the Queen's Medical Center and St. Francis Hospital.

Impacts and Mitigation Measures

Although the existing businesses and the Nimitz Highway corridor may occasionally require police, fire, and ambulance services, the proposed sewer line reconstruction will not affect the demand for such services. The project site is located within existing service areas.

For the duration of the project, the Honolulu Fire Department requires compliance with the following:

1. Maintain fire apparatus access throughout the construction site.
2. Notify the Fire Communication Center at 523-4411 of any interruption in the existing fire hydrant system.

The contractor will be responsible to adhering to the above requirements.

3.13. Infrastructure and Utilities

The following section includes discussions regarding roadways and utility lines, including water, drainage, wastewater, electrical, telephone, cable, and gas lines. Figure 9, Existing Utilities, describes the location of utility lines within the proposed project corridor.

3.13.1. Roadways and Traffic Considerations

Vehicular access to the project site is via Nimitz Highway near the intersection with Sand Island Access Road. Nimitz Highway is a major divided highway providing an important link between the airport area, Downtown Honolulu, and Waikiki. Four lanes in each direction accommodate traffic from the Keehi interchange to Sand Island Access Road. From Sand Island Access Road to Iwilei, there are three through lanes in each direction.

Impacts and Mitigation Measures

Rehabilitation of Segment 2 with the installation of CIPP lining is anticipated to have short-term construction impacts on traffic on Nimitz Highway. Although CIPP typically involves very little surface impacts, there is a 30-foot section of the line with a severe sag that must be corrected with spot repair (open cut trenching). This spot repair will be scheduled during night hours when traffic volumes are low and minimal impacts to motorists can be expected. Trenching activities will be secured with steel plates during non-construction work hours. Additionally, a shallow trench will be required to install a temporary sewer by-pass during CIPP installation. Spot repair and the installation of the temporary sewer by-pass are not anticipated to affect traffic signal detector loops at the intersection of Nimitz Highway and Sand Island Access Road. However, if disturbed by construction activity, loop detectors will be replaced to match existing.

This effort also requires night work construction and will be steel plated during the day to maintain vehicular travel along Nimitz Highway.

Nimitz Highway and Sand Island Access Road are under the jurisdiction of the State Department of Transportation (DOT), Highways Division, and close coordination will be necessary to ensure minimal inconvenience to motorists. A traffic plan for night work on Nimitz Highway may be required. Construction activities

are not anticipated to impact the DOT's Nimitz Highway Contra-flow demonstration project, as the contra-flow lane will only be utilized by motorists from 5:30 a.m. to 8:30 a.m. on weekdays.

The City and County of Honolulu, Department of Transportation Services and Oahu Transit Services, Inc. will be informed of the project schedule prior to the commencement of construction activities.

There are no long-term traffic related impacts associated with the completion and operation of the proposed sewer line reconstruction.

3.13.2. Water System

Current uses at the project site receive water service from the Honolulu Board of Water Supply (BWS). Figure 9 indicates the utility lines located within the corridor of the proposed sewer line reconstruction.

The BWS distribution system nearest to the project site is located beneath Nimitz Highway. A 12-inch water line runs west along Nimitz Highway to the intersection with Sand Island Access Road where the line turns south to continue toward the Sand Island industrial area. The 12-inch line increases to 16-inches just south of the intersection of Sand Island Access Road and Auiki Street.

Impacts and Mitigation Measures

Short-term construction impacts may possibly affect the BWS water lines in the project corridor. To avoid any infrastructure conflicts and any damage to the water distribution system, the final construction drawings will be submitted to the BWS for review and approval. Additionally, the construction schedule will be coordinated with the BWS to minimize any possible impacts to the water system.

There are no long-term impacts associated with the completion and operation of the proposed sewer line reconstruction. The project will not induce any additional water demand in the vicinity of the project site.



City & County
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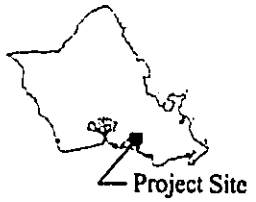
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LEGEND:

—— SEWER LINE	—— OVER
—— WATERLINE	—— TELE
—— DRAIN LINE	
--- CABLE TV LINE	
—— GAS LINE	



——— OVERHEAD ELECTRICAL LINE
 ——— TELEPHONE LINE



SCALE: 1"=60'

Project Site

**DRAFT ENVIRONMENTAL ASSESSMENT
 NIMITZ HIGHWAY SEWER
 RECONSTRUCTION AT OCCC**

TMK: 1-2-013

**EXISTING UTILITIES
 FIGURE 9**

Wastewater Division - Planning

Date: February 2004

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3.13.3. Drainage System

The project site is located near the discharge point of the Kalihi Watershed. The important drainage feature within the watershed is Kalihi Stream and its tributary reaches, which empty into the coastal waters of Keehi Lagoon. The Kalihi Watershed extends from Keehi Lagoon to the Upper Kalihi Valley area along Likelike Highway, with drainage patterns following a basic mauka-to-makai flow pattern. Water is channeled through gulches and man-made drainage ditches throughout the watershed. Other factors that affect drainage patterns include local topography and natural man-made barriers.

Within the project site, topography is relatively flat. Storm runoff flows over rooftops, open lots, and roadways, and eventually discharges into Keehi Lagoon.

Impacts and Mitigation Measures

No impacts to any existing drainage conveyance system are anticipated due to the construction of the proposed project. Additionally, an NPDES permit will be required for this project and appropriate Best Management Practices will be applied in dewatering activities during open-cut trenching.

There are no long-term drainage impacts associated with the completion and operation of the proposed sewer line reconstruction. The project will not increase the paved surface area or induce additional run-off.

3.13.4. Wastewater System

Parcels within the project site are served by the municipal wastewater collection system. There are no individual wastewater systems, such as cesspools and septic tanks within the project site.

The existing 16-inch sewer line is proposed for reconstruction. Flow from this line is collected by a 54-inch sewer line located along the Nimitz Highway corridor, that eventually conveys wastewater to the Sand Island Wastewater Treatment Plant.

As noted in Section 2, the existing 16-inch line collects wastewater from OCCC and upstream areas. Maintenance problems, line sags, and deteriorating conditions have compromised the capacity of the existing line.

Impacts and Mitigation Measures

The proposed sewer reconstruction project addresses these maintenance and hydraulic capacity problems while correcting sags and low points. Construction activities will require the installation of a temporary sewer by-pass line to allow continued sewer service during the installation of the new line. The long-term beneficial impacts of the project will be realized through improved wastewater service within the collection area.

3.13.5. Electrical, Telephone, Cable, and Gas Service

Electrical Service: Major Hawaiian Electric Company, Inc. (HECO) power lines in the vicinity of the project site are located along Puuhale Road, Auki Street, and Sand Island Access Road. There is a 46 kilovolt (kV) line that runs along Puuhale Road. This 46 kV line meets with another 46 kV line at Auki Street, and the two electrical lines continue along Auki Street to Sand Island Access Road and the Sand Island Substation, located just south of the bridge. In a letter dated November 12, 2003 (see Section 8.1), HECO indicated that they have existing easements and facilities in the area of the project and will need continued access for maintenance of HECO facilities. HECO requested that pre-final plans be submitted for their review.

Telephone Service: Telephone service in the area is provided by Verizon Hawaii. In a letter dated October 10, 2003 (see Section 8.1), Verizon indicated that a duct system with several high capacity cables fronts TMK 1-02-022:30. Segment 2 of the proposed sewer line reconstruction crosses Verizon's duct system.

Cable Service: Cable service in the area is provided by Oceanic Time Warner Cable. In a letter dated October 9, 2003 (see Section 8.1), Oceanic indicated that there is an underground cable along Nimitz Highway from Puuhale Road to Sand Island Access Road. Segment 2 of the proposed sewer reconstruction crosses Oceanic's cable line, which will require toning prior to the commencement of construction activities.

Gas Service: In a letter dated October 10, 2003 (see Section 8.1), The Gas Company indicated that they maintain underground utility gas mains in the project vicinity, as well as a 16" gas transmission pipeline. Segment 2 of the proposed sewer line reconstruction likely crosses the transmission pipeline.

Impacts and Mitigation Measures

HECO's facilities will be identified during the design phase, and pre-final plans for the proposed sewer reconstruction will be submitted for HECO review. Verizon Hawaii's duct line will also be identified, and necessary adjustments will be made to avoid disturbance of the duct system and high capacity cables. Oceanic's cable line will be identified and provisions will be made for the necessary toning activities. Likewise, The Gas Company's utility lines will also be identified and avoided. HECO, Verizon, Oceanic, and The Gas Company will be notified of the construction schedule and coordination activities will be executed as appropriate throughout the design and construction phases.

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4. RELATIONSHIP TO PLANS, POLICIES, AND CONTROLS

4.1. State Land Use District

The State Land Use Law, Chapter 205, Hawaii Revised Statutes (HRS), is intended to preserve, protect, and encourage the development of lands in the State for uses which are best suited to the public health and welfare for Hawaii's people. All lands in the State are classified into four land use districts by the State Land Use Commission: Urban, Agricultural, Conservation, and Rural.

Comment:

The project site is within the State "Urban" district. The proposed project is consistent with this designation.

4.2. Hawaii State Plan

The Hawaii State Plan, HRS Chapter 226, outlines broad goals, policies and objectives to serve as guidelines for the future growth and development of the State. The proposed project is consistent with the following objectives, policies and priority guidelines:

- §226-13 *Objectives and policies for the physical environment – land, air, and water quality.*
- (a) *Planning for the State's physical environment with regard to land, air, and water quality shall be directed towards achievement of the following objectives:*
 - (2) *Maintenance and pursuit of improved quality in Hawaii's land, air, and water resources.*
 - (3) *Greater public awareness and appreciation of Hawaii's environmental resources.*
 - (b) *To achieve the land, air, and water quality objectives, it shall be the policy of this State to:*
 - (2) *Promote the proper management of Hawaii's land and water resources.*
 - (3) *Promote effective measures to achieve desired quality in Hawaii's surface, ground, and coastal waters.*
 - (4) *Encourage actions to maintain or improve aural and air quality levels to enhance the health and well-being of Hawaii's people.*
 - (7) *Encourage urban development in close proximity to existing services and facilities.*

Comment:

The proposed project will have no significant long-term impact on the natural environment, including coastal water quality and air quality.

4.3. City and County of Honolulu General Plan

The General plan of the City and County of Honolulu sets forth broad statements of social, economic, environmental, and design objectives and polices which are desired over the long-term. The proposed project is consistent with the following policies and objectives:

III. Natural Environment

Objective A To protect and preserve the natural environment.

Policy 1: Protect Oahu's natural environment, especially the shoreline, valleys, and ridges from incompatible development.

Policy 7: Protect the natural environment from damaging levels of air, water, and noise pollution.

Comment:

The proposed project is not anticipated to have any long-term impacts on air quality, water quality, or noise levels.

IV. Physical Development and Urban Design

Objective A To coordinate changes in the physical environment of Oahu to ensure that all new developments are timely, well designed, and appropriate for the areas in which they will be located.

Policy 2: Coordinate the location and timing of new development with the availability of adequate water supply, sewage treatment, drainage, transportation, and public safety facilities.

Comment:

The proposed project will result in the correction of existing structural problems and address current maintenance issues. The flow capacity of the sewer line will be improved to accommodate potential increases in flow from tributary areas. The proposed sewer upgrade will successfully improve sewer maintainability and eliminate surcharge conditions.

4.4. Primary Urban Center Development Plan

The Island of Oahu is divided into eight Development/Sustainable Communities Plan areas. Each plan implements the objectives and policies of the General Plan and serves as a guide for public policy, investment, and decision making within their respective region. The project site is located within the region encompassed by the Primary Urban Center (PUC) Development Plan.

The Development Plans are required by City Charter. Together with the General Plan, they guide population and land use growth over a 20-year time span. Development Plans are also intended to guide City land use approvals and permits and influence private sector investment decisions. The current PUC Development Plan indicates that the project site is located within the area designated as Industrial.

A major revision of the Development Plans, based on a 1992 City Charter change, is nearing completion. The revised plans are visionary, conceptual plans without the parcel specific detail of the first Development Plans adopted in the early 1980s. Seven of the new plans have been adopted, and the PUC Development Plan Revision Program is almost complete. The proposed PUC plan was transmitted to the Planning Commission and a public hearing was held on October 29, 2003.

The proposed PUC Development Plan revision was initiated in 1996 and utilized community workshops and studies on economic development, housing, visitor facilities, infrastructure, and urban design. The proposed plan establishes policy to shape the growth and development of the PUC over the next 20 years. Because the PUC includes a diverse mix of uses, the plan establishes broad regional policy and provides a foundation for more specific planning at the local level. Chapter 2 sets forth the overall vision for the PUC, Chapter 3 outlines policies for land use and transportation, Chapter 4 sets policies for infrastructure and public facilities, and Chapter 5 discusses the plan implementation.

The proposed PUC Development plan indicates that the project site is within the areas designated as Industrial and Institutional (OCCC property). The proposed project is consistent with this designation. The proposed project is also consistent with the following infrastructure and public facilities policies and guidelines:

4.2.2 Policies

- *Implement wastewater collection system improvements to provide adequate service and sound facilities to existing neighborhoods and timely increases in system capacity to areas planned to undergo improvement or change in use.*

4.2.3 Guidelines

- Complete current projects needed to correct currently identified service or facility inadequacies to neighborhoods where change in service demand is not anticipated.

Comment:

As noted in Section 4.3, the proposed project will result in the correction of existing structural problems and address current maintenance issues. The flow capacity of the line will be improved, and the proposed project will successfully improve sewer maintainability and eliminate surcharge conditions. The proposed sewer reconstruction project is consistent in supporting the current PUC Development Plan and Land Use Map designations in the collection system area. The project is also consistent with the proposed PUC Development Plan Update and accompanying Land Use Map.

4.5. City and County of Honolulu Land Use Ordinance

The City and County of Honolulu Land Use Ordinance (LUO) regulates land use in accordance with adopted land use policies, including the City and County of Honolulu General Plan and the Development/Sustainable Community Plans. The project site is within the I-2 Intensive Industrial zoning district.

Comment:

The proposed project is consistent with the I-2 zoning designation.

4.6. State Coastal Zone Management Program

Hawaii's Coastal Zone Management (CZM) program, established pursuant to Chapter 205A, HRS, as amended, is administered by the State Office of Planning and provides for the beneficial use, protection and development of the State's coastal zone. The objectives and policies of the Hawaii CZM program encompass broad concerns such as impacts on recreational resources, historic and archaeological resources, coastal scenic resources and open space, coastal ecosystems, coastal hazards, and the management of development.

Comment:

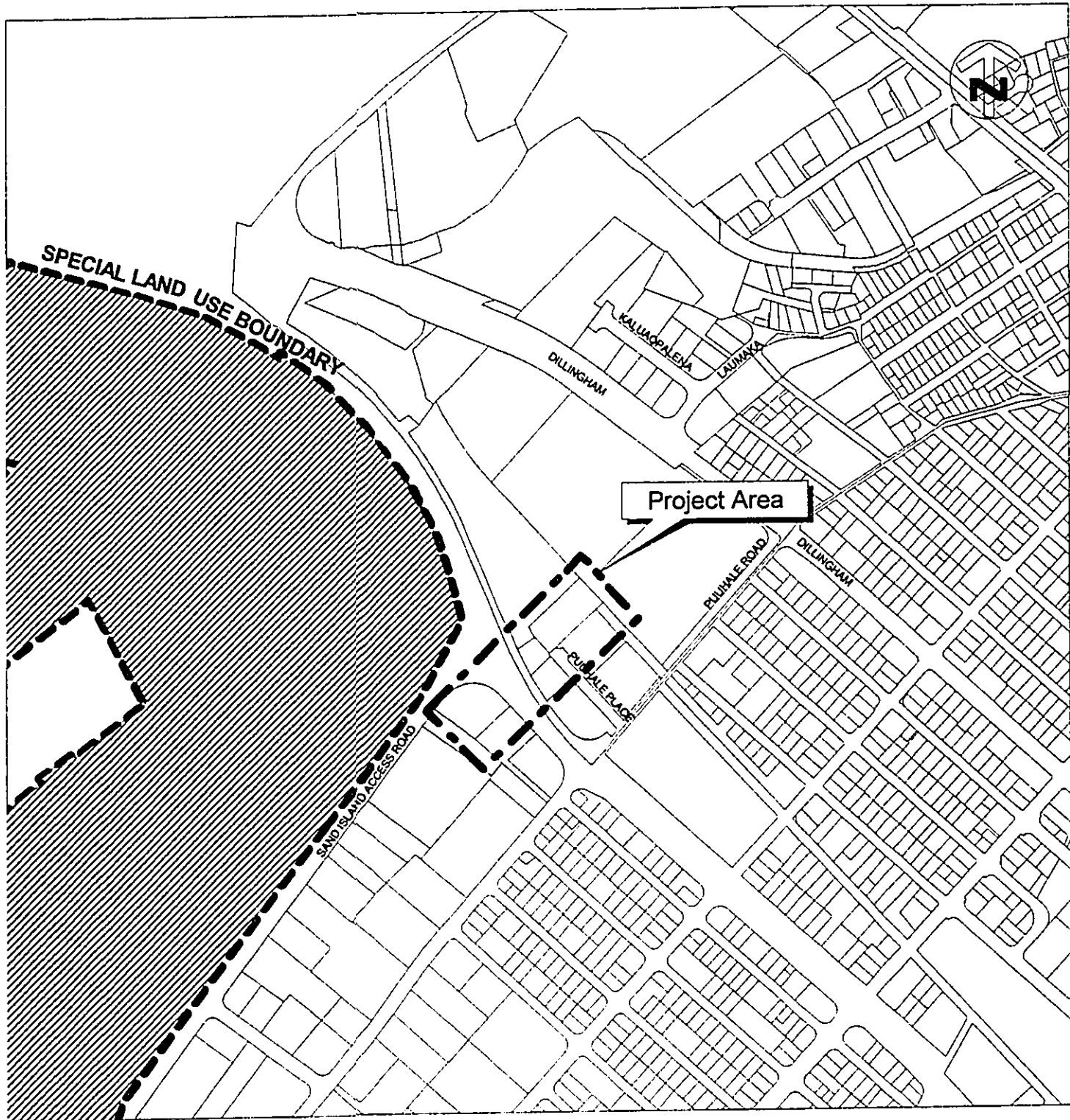
The proposed sewer reconstruction project is not anticipated to adversely impact recreational, historic, archaeological, scenic or coastal resources.

4.7. Special Management Area

Pursuant to the Hawaii Coastal Zone Management Act (Chapter 205A, HRS), all counties have enacted ordinances establishing Special Management Areas (SMAs). Development within the SMA, including most development proposed by the State, requires a SMA permit. On Oahu, the SMA permit is administered by the City and County of Honolulu Department of Planning and Permitting and acted upon by the City Council pursuant to Chapter 25, Revised Ordinances of Honolulu.

Comment:

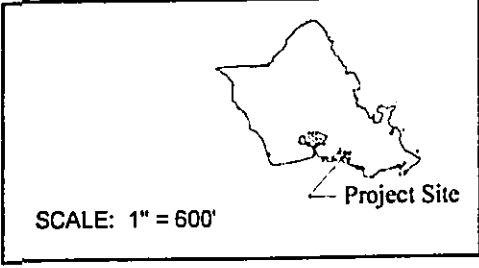
Figure 10 illustrates the location of the SMA boundary relative to the proposed sewer reconstruction. The project site is located outside the boundaries of the City and County's SMA. Therefore, approval of a SMA permit is not required.



LEGEND:	
	SPECIAL LAND USE BOUNDARY
	SPECIAL MANAGEMENT AREA

City & County
of Honolulu

Department of
Design & Construction



DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCCC
TMK: 1-2-013

**SPECIAL MANAGEMENT AREA
BOUNDARY MAP**

FIGURE 10

Wastewater Division - Planning Date: February 2004

5. ALTERNATIVES TO THE PROPOSED ACTION

5.1. No-Action Alternative

Under the No-Action Alternative, the 16-inch sewer line would remain in its existing state. Maintenance and capacity problems would continue to occur, and sewer service in tributary areas would eventually be compromised. No construction related impacts to the environment or to existing and surrounding uses would occur. There would be *no commitment of funding or capital improvement costs*. In the long term, the benefits of the proposed sewer line reconstruction would not be realized.

5.2. Design Alternatives Report, Parts I and II

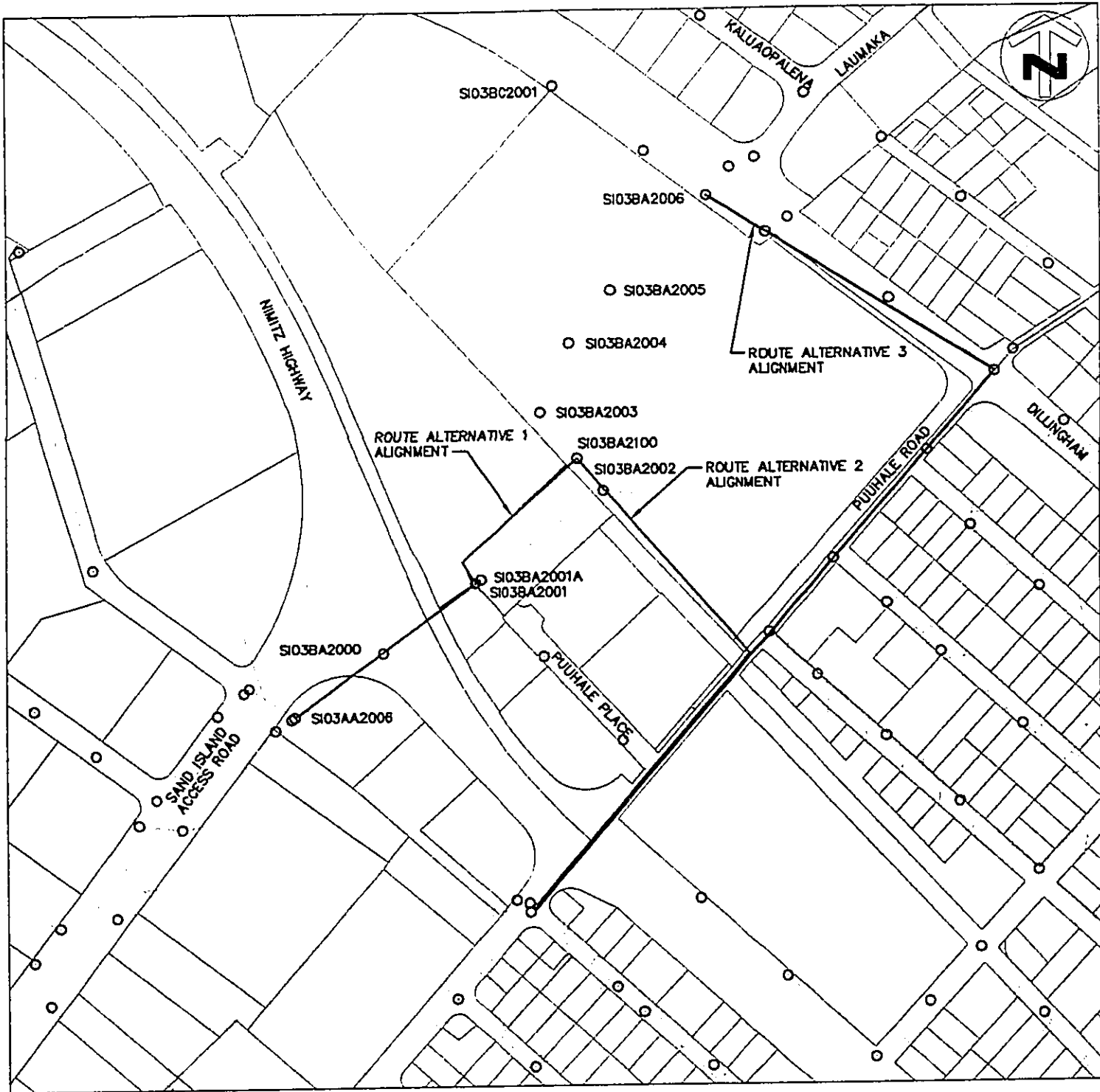
The Limtiaco Consulting Group prepared the Design Alternatives Report, Parts I and II, to evaluate rehabilitation and reconstruction options for the existing sewer line. In addition to the proposed action, several route alternatives and design alternatives were evaluated.

5.2.1. Route Alternatives Study (Part I)

The Design Alternatives Study identifies, evaluates, and examines design and construction requirements with preliminary layouts, and estimated construction costs for the recommended route alternative. The route alternatives evaluated in the study are summarized in the following sections.

5.2.1.1. Route Alternative 1: Sewer Replacement through Easement

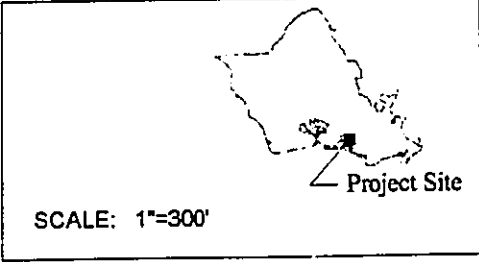
This alternative proposes to realign the portion of the sewer under the Continental Mechanical structure footprint from SI03BA2100 to SI03BA2001 (see Figure 11). Alternative 1 requires the SI03BA2002 to SI03BA2001 sewer segment to be abandoned and plugged, resulting in the City's lateral reconnection requirements for Continental Mechanical. During realignment, the pipe size will also be increased to 18 inches. By utilizing the existing SI03BA2001 to SI03AA2006 16-inch pipe reach, a trenchless construction method may be used to upsize the existing 16-inch pipe to 18 inches. This route alternative provides the best opportunity to minimize the surface impacts of construction activity at Nimitz Highway while satisfying structural and hydraulic sewer deficiencies.



LEGEND:	
	EXISTING SEWER
	EXISTING SEWER MANHOLE
	ROUTE ALTERNATIVE 1 ALIGNMENT
	ROUTE ALTERNATIVE 2 ALIGNMENT
	ROUTE ALTERNATIVE 3 ALIGNMENT

**City & County
of Honolulu**

Department of
Design & Construction



**DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCCC**

TMK: 1-2-013

**ROUTE ALTERNATIVE
ALIGNMENTS**

FIGURE 11

Wastewater Division - Planning Date: February 2004

5.2.1.2. Route Alternative 2: Sewer Realignment along Private Road/Puuhale Road

This alternative proposes to address sewer deficiencies by realigning the sewer downstream of SI03BA2002 through the OCCC driveway to Puuhale Road, then through Nimitz Highway by creating new 18-inch sewer (see Figure 11). Alternative 2 requires the SI03BA2002 to SI03BA2001 sewer segment to be abandoned and plugged, resulting in the City's lateral reconnection requirements for Continental Mechanical. This alternative would eliminate most existing structural and hydraulic deficiencies, except that it would likely magnify an existing slope problem. The project area is relatively flat: Extending the sewer reach length would magnify the existing slope problems for this gravity sewer system.

This alternative requires the construction of a new 18-inch sewer line within the OCCC compound, down Puuhale Road, and across Nimitz Highway. These requirements create challenging construction obstacles.

5.2.1.3. Route Alternative 3: Sewer Realignment along Dillingham Boulevard/Puuhale Road

This alternative proposes to address the sewer deficiencies by realigning the sewer from SI03BA2006 along Dillingham Boulevard, down Puuhale Road, then through Nimitz Highway by creating a new 18-inch sewer (see Figure 11). Alternative 3 requires the SI03BA2006 to SI03AA2006 existing sewer segment to be abandoned and plugged; resulting in the City's enormous lateral reconnection requirements for the entire OCCC compound and downstream dischargers included in the project limits. The existing 18-inch pipe was originally planned to be used for local service, however there are two problems with this alternative: (1) the existing CSM maintenance problem is not addressed and (2) minimum flow velocities may not be met since the pipe will then be oversized for the collection area.

This abandon and plug alternative would eliminate most existing structural deficiencies, except that it would likely magnify an existing slope problem. The existing area is considered flat: Extending the sewer reach length would magnify the existing slope problems for this gravity sewer system.

This alternative also requires the construction of a new 18-inch sewer line along Dillingham Boulevard, down Puuhale Road, and across Nimitz Highway. These requirements create extremely challenging construction obstacles.

5.2.1.4. Recommended Route Alternative: Alternative 1 – Sewer Replacement through Easement

The route alternatives were evaluated based on surface impacts, construction considerations and cost, and ability to repair the identified sewer defects. The Design Alternatives Report, Part I, Route Alternatives Study, concluded that Alternative 1 is best suited for this project, and this alignment route is reflected in the proposed project.

5.2.2. Design Alternatives Study (Part II)

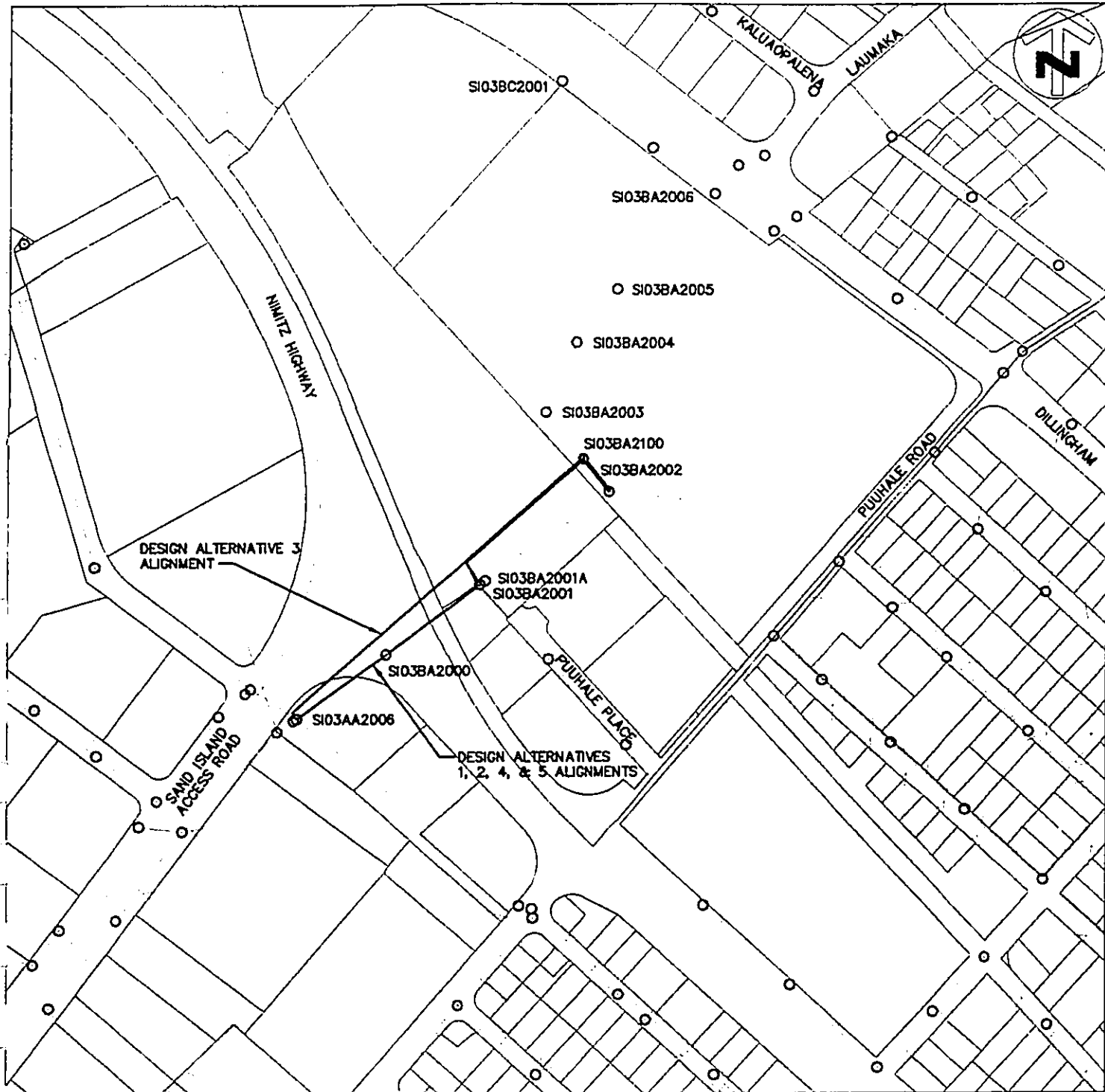
The purpose of this study was to identify and evaluate various design and construction alternatives based on the preferred route alternative. Each proposed design alternative was evaluated against the following general constraints:

- Ability to increase the hydraulic capacity;
- Improve slope requirements and eliminate structural deficiencies including sags;
- The need to realign the sewer segment below Continental Mechanical, thereby improving the City's ability to access and maintain the sewer section;
- Minimize business interruptions and surface impacts, namely OCCC, Continental Mechanical, Hy-Pac Self Storage, and KHNL-TV/KFVE-TV; and
- Employ a cost effective design and construction alternative.

The design alternatives evaluated are summarized in the following sections and are depicted in Figure 12.

5.2.2.1. Design Alternative 1: Microtunneling / Open Cut Trench

This alternative employs a combination of two construction methods: Open cut trench and microtunneling. Segment 1 will be constructed by microtunneling and installation of an 18-inch centrifugally cast fiberglass mortar pipe or polymer concrete pipe. Associated Segments 1A and 1B will be constructed of 8-inch PVC and 18-inch PVC pipe, respectively. The existing pipe segment from SI03BA2002 to SI03BA2001 will be cut and plugged. Finally, all existing laterals need to be reinstated for continued sewer service.

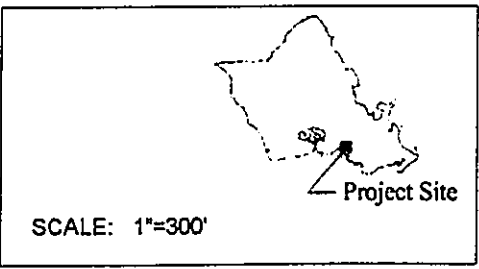


LEGEND:

	EXISTING SEWER
	EXISTING SEWER MANHOLE
	DESIGN ALTERNATIVES 1, 2, 4, & 5 ALIGNMENTS
	DESIGN ALTERNATIVE 3 ALIGNMENT

**City & County
of Honolulu**

Department of
Design & Construction



**DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCCC**

TMK: 1-2-013

**DESIGN ALTERNATIVE
ALIGNMENTS**

FIGURE 12

Wastewater Division - Planning Date: February 2004

Segment 2 will be constructed via open cut trench excavation. A new 18-inch PVC pipe will replace the existing 16-inch pipe to meet hydraulic requirements. Due to the hard coral subsurface at this location, open cut trench excavations along the existing alignment is recommended as the trench material is expected to be softer than the hard coral subsurface prevalent to the area. The construction cost estimate for Design Alternative 1 is \$3,791,000, which includes 25% contingency.

5.2.2.2. Design Alternative 2: Microtunneling / CIPP

Design Alternative 2 is similar to Design Alternative 1 in that microtunneling is used in Segment 1. However, in this alternative, Segment 2 will not be replaced as in Design Alternative 1. Rather, CIPP will be used to rehabilitate the existing line. The construction cost estimate for Design Alternative 2 is \$2,601,000, which includes 25% contingency.

5.2.2.3. Design Alternative 3: Microtunneling

Design Alternative 3 uses a slightly different alignment when compared with previous design alternatives. Unlike the combination of methods described above, this alternative uses microtunneling as the primary construction method. This method proposes to install a new 18-inch centrifugally cast fiberglass mortar pipe or polymer concrete pipe parallel to the existing 16-inch sewer, via microtunneling. In the process, four new sewer manholes will be installed. Upon installation of the new pipe, the existing 16-inch sewer will be disconnected at manhole SI03BA2002 and laterals will be reinstated.

Similar to Design Alternatives 1 and 2, Segment 1A will be constructed of 8-inch PVC pipe and its slope will be reversed to discharge into SMH 1. Segment 1B will be constructed of 6-inch PVC pipe and will convey wastewater generated by sewer users along Puuhale Place. Segment 1B will connect into SMH 2. Segment 1C will be constructed of 8-inch PVC pipe and will connect to SMH 3. Finally, Segment 2A will be constructed of 18-inch centrifugally cast fiberglass mortar pipe or polymer concrete pipe and will connect SMH 4 to SI03AA2006. The construction cost estimate for Design Alternative 3 is \$3,229,000, which includes 25% contingency.

5.2.2.4. Design Alternative 4: Open Cut Trench / CIPP

Design Alternative 4 is similar to Design Alternative 2 except that it uses open cut trenching for Segment 1. Several significant factors are involved in this alternative: (1) trenching in the driveway of Continental Mechanical must be done during the night (off-peak) hours to minimize inconvenience to the business, and (2) trenching near building foundations may create structural problems, particularly if ground settlement occurs. The construction cost estimate for Design Alternative 4 is \$2,128,000, which includes 25% contingency.

5.2.2.5. Design Alternative 5: Open Cut Trench

Design Alternative 5 proposes total pipe replacement by open cut trenching. Open cut trenching for Segment 1 will require night work and special construction provisions to minimize ground settlement and associated structural problems with Continental Mechanical's building. Pipe installation for Segment 2 of this alternative requires open cut trenching across Nimitz Highway. The construction cost estimate for Design Alternative 5 is \$3,320,000, which includes 25% contingency.

5.2.2.6. Recommended Design Alternative: Alternative 4 – Open Cut Trench / CIPP

The five design alternatives were evaluated based on surface impact, construction cost estimate, and hydraulic improvement. The Design Alternatives Report, Part II concluded that Design Alternative 4: Open Cut Trench/CIPP is recommended for this project.

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6. REQUIRED PERMITS AND APPROVALS

6.1. State of Hawaii

National Pollutant Discharge Elimination System General Permit
(Discharges of construction dewatering effluent)

Permit to Perform Work Upon a State Highway

Community Noise Permit

Community Noise Variance

6.2. City and County of Honolulu

Grubbing, Grading, and Stockpiling Permit

Building Permit

Erosion Control Plan/BMPs

Construction Dewatering Permit (Temporary)

Repaving Plan

Permit to Discharge Effluent (Non-Storm Water) (Temporary)

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7. AGENCY DETERMINATION

The City and County of Honolulu Department of Design and Construction has made a Finding of No Significant Impact (FONSI) determination for the proposed project. The proposed sewer reconstruction is not expected to have a significant impact based on the criteria set forth in the State Department of Health Rules, Chapter 200, Title 11, Section 12. The proposed project's relationship to the criteria is discussed below.

- (1) *Involves an irrevocable commitment to loss or destruction of any natural or cultural resource;*

Completion of the proposed sewer reconstruction would involve an irrevocable commitment of labor, capital, and materials. No loss or destruction of natural or cultural resources is anticipated.

- (2) *Curtails the range of beneficial uses of the environment;*

The proposed project would improve the maintainability and capacity of the existing sewer collection system and correct existing structural problems. The proposed project will enhance sewer service in the system collection area, and therefore contribute to increased environmental quality.

- (3) *Conflicts with the state's long-term environmental policies or goals and guidelines as expressed in Chapter 344, HRS, and any revisions thereof and amendments thereto, court decisions, or executive orders;*

The proposed project is consistent with the environmental policies, goals and guidance set forth in Chapter 344, HRS. The proposed sewer reconstruction upgrades the sewer line with the design intent of minimizing impacts to surrounding resources.

- (4) *Substantially affects the economic or social welfare of the community or state;*

The proposed project is anticipated to have short-term beneficial economic impacts due to the hiring of construction workers and the purchasing of materials. Any short-term negative impacts or inconveniences to surrounding businesses and traffic will be minimized through the application of appropriate mitigation measures and best management practices. In the long-term, the project will have beneficial economic impacts through the avoidance of additional maintenance and rehabilitation costs.

(5) *Substantially affects public health;*

Public health will not be adversely affected by the proposed project, and the sewer upgrade will provide positive public health benefits to residents and businesses in the collection area.

(6) *Involves substantial secondary impacts, such as population changes or effects on public facilities;*

No substantial secondary impacts are anticipated. The proposed sewer reconstruction will serve to correct existing structural deficiencies and improve the sewer line capacity, avoiding future maintenance problems and surcharge conditions.

(7) *Involves a substantial degradation of environmental quality;*

The proposed sewer reconstruction is not anticipated to involve a substantial degradation of environmental quality. When completed, the project will contribute to increased environmental quality. Environmental impacts that may occur during construction will be mitigated through the implementation of Best Management Practices, as appropriate.

(8) *Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions;*

The proposed project will meet the existing and future needs of the service area. The project will have no foreseeable cumulative impacts and does not involve a commitment for larger actions.

(9) *Substantially affects a rare, threatened, or endangered species, or its habitat;*

There are no known proposed, candidate, or listed threatened or endangered species present at the project site.

(10) *Detrimentially affects air or water quality or ambient noise levels;*

Short-term impacts to air, water quality or ambient noise levels may occur during construction. Environmental impacts will be mitigated through proper construction techniques and compliance with applicable Department of Health rules and regulations.

- (11) Affects or is likely to suffer damage by being located in an environmentally sensitive area such as a flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters;*

The project site is not situated within an environmentally sensitive area and is not anticipated to affect such areas.

- (12) Substantially affects scenic vistas and view planes identified in county or state plans or studies; or*

The project site is not identified as having significant scenic views by the Primary Urban Center Development Plan. The Coastal View Study prepared by the City and County of Honolulu identifies Keehi Lagoon as a visual resource in the vicinity of the project site. However, the project site does not provide views of Keehi Lagoon, nor will the completed sewer line reconstruction detract from views of Keehi Lagoon.

- (13) Requires substantial energy consumption.*

Completion of the proposed sewer line upgrade is not anticipated to increase energy consumption, as the proposed project represents a continuation of the current use of the collection system.

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8. CONSULTATION

8.1. Pre-Assessment Consultation

The following agencies, organizations, and individuals were consulted during the preparation of the Draft EA. A total of 16 parties formally replied during the pre-assessment period, as indicated by the √ below. Comments and responses are reproduced herein.

Federal Agencies

- √ U.S. Army Corps of Engineers

State of Hawaii

- Department of Business, Economic Development & Tourism, Office of Planning
- √ Department of Land & Natural Resources, Land Division
- √ Department of Land & Natural Resources, Historic Preservation Division
- √ Department of Transportation, Highways Division
- Department of Health, Environmental Planning Office
- Department of Health, Hazard Evaluation & Emergency Response Office
- √ Department of Health, Environmental Management Division
- √ Department of Health, Environmental Management Division, Wastewater Branch
- √ Department of Health, Environmental Management Division, Clean Water Branch
- √ Department of Health, Environmental Health Services Division, Noise, Radiation and Indoor Air Quality Branch
- √ Department of Public Safety

City and County of Honolulu

- √ Department of Planning and Permitting
- Department of Environmental Services
- √ Department of Transportation Services
- √ Honolulu Board of Water Supply

Utilities

- √ Verizon Hawaii, Inc.
- √ Hawaiian Electric Company Inc.
- √ Oceanic Time Warner Cable
- √ The Gas Company

Other Interested Parties

Continental Mechanical of the Pacific/FBS Hawaii
Honolulu Limited
Hy-Pac Self Storage
KHNL-TV/KFVE-TV



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

ATTENTION OF

October 9, 2003

Regulatory Branch

Mr. Timothy E. Steinberger, P.E.
Director, Department of Design and
Construction
650 South King Street
Honolulu, Hawaii 96813

Dear Mr. Steinberger:

This letter responds to the request for review and comments concerning the Pre-Assessment Consultation, Draft Environmental Assessment Nimitz Highway Sewer Reconstruction at OCCC, dated October 6, 2003. Based on the information you provided I have determined there are no waters of the U.S., including wetlands at the site and therefore a Department of the Army (DA) permit will not be required for this project. A copy of this letter is being provided to Mr. John Katakira, Project Manager, The Limtiaco Consulting Group, 615 Piikoi Street, Suite 1605, Honolulu, Hawaii 96814.

If you have any questions concerning this determination, please contact William Lennan of my staff at 438-6986 or FAX 438-4060, and reference File No. 200400009.

Sincerely,

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



US Army Corps
of Engineers.

Dear Requestor:

We have received your request for jurisdictional determination, review comments on OCT 8 2003. This is not an indication of acceptance or approval of your request. Further details will be provided to you in writing within 15 days.

Your Project Name SEWER RECONSTRUCTION ON OHI OHI LANE CENTER
File No. (s) 200400009, has been assigned to
Mr. William Lennan, Project Manager, at 808-438-6986.

Thank you,
Regulatory Branch, Honolulu District
U.S. Army Corps of Engineers
Phone: 808-438-9258/Fax: 808-438-4060



THE LIMITACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

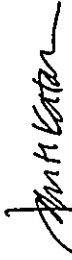
Mr. George P. Young, P.E., Chief
Regulatory Branch
Department of the Army
U.S. Army Engineer District, Honolulu
Fort Shafter, Hawaii 96838-5440

Dear Mr. Young:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihii Kai, Oahu, Hawaii

Thank you for your letter dated October 9, 2003 regarding the subject project. Your participation in the pre-assessment phase of the environmental review process is appreciated and your comments will be published in the forthcoming Draft Environmental Assessment. Should you have any questions, please contact me at 596-7790.

Sincerely,


John H. Katahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

LINDA LUKOLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
POST OFFICE BOX 621
HONOLULU, HAWAII 96809



PETER L. YOUNG
COMMISSIONER
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

EMMETT Y. LAU
DEPUTY DIRECTOR - WATER

ADVISORY BOARD
ROUTING AND DECISION
COMMISSION ON WATER RESOURCE
MANAGEMENT
CONSULTATION AND COURT LIAISON
RESEARCH AND ANALYSIS
FORESTRY AND WILDLIFE
HONOLULU, HAWAII 96809
LAND DIVISION
ENR 17406

October 13, 2003

LD-NAV
L-2427
NIMITZSEWEROCCC.RCN

The Limtiaco Consulting Group
John Katabira, Project Manager
615 Piikoi Street, Suite 1605
Honolulu, Hawaii 96814

Dear Mr. Katabira:

SUBJECT: Pre-Assessment Consultation for Preparation of a Draft
Environmental Assessment - Nimitz Highway Sewer
Reconstruction at OCCC, Honolulu, Oahu, Hawaii
Tax Map Keys: (1) 1-2-13: 02, 08, 11 and 1-2-22: 30

Thank you for your letter dated October 6, 2003, pertaining
to the subject matter.

Please submit four (4) copies of the Draft Environmental
Assessment to our office when they become available for review.

If you have any questions, please feel free to contact
Nicholas A. Vaccaro of the Land Division Support Services Branch
at (808) 587-0384.

Very truly yours,

DIERDRE S. MAMIYA
Administrator

C: ODLO



THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Ms. Dierdre S. Mamiya, Administrator
State of Hawaii
Department of Land and Natural Resources
Land Division
P.O. Box 621
Honolulu, Hawaii 96809

Dear Ms. Mamiya:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013-002, 008, and 011; and 1-02-022-030
Kalihii Kai, Oahu, Hawaii

Thank you for your letter dated October 13, 2003 regarding the subject project. Your
participation in the pre-assessment phase of the environmental review process is
appreciated and your comments will be published in the forthcoming Draft
Environmental Assessment (EA). As requested, copies of the Draft EA will be submitted
to the Department of Land and Natural Resources when the notice of availability for this
project is published by the Office of Environmental Quality Control. Should you have
any questions, please contact me at 596-7790.

Sincerely,

John H. Katabira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

615 PIKOKI STREET, SUITE 1605 • HONOLULU, HAWAII 96814
TEL (808) 596-7790 • FAX (808) 596-7341
EMAIL: dk@limtiaco.com

Oct-17-2003 11:37am

Firm-STATE Historic Preservation

808 682 8020

T-332 P-601/001 F-018

LOCAL OFFICE
007-2000-001000



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

HISTORIC PRESERVATION DIVISION
KAOIPIA WEA BUILDING, ROOM 555
501 KAMOLEKA BOULEVARD
HONOLULU, HAWAII 96807



PETER L. YOUNG
COMMISSIONER
BOARD OF LAND AND NATURAL RESOURCES
COMMISSIONER OF THE HISTORIC PRESERVATION DIVISION
DAN DALYDEN
DEPUTY DIRECTOR, LAND
ERNEST YUK LAU
DEPUTY DIRECTOR, WATER
JULIAN BRESNAN
SPECIAL AGENT IN CHARGE
NORTH AND SOUTH PACIFIC
COMMISSIONER OF THE HISTORIC PRESERVATION DIVISION
CONSTRUCTION AND CONSTRUCTION MANAGEMENT
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STATE PLANS

HAWAII HISTORIC PRESERVATION
DIVISION REVIEW

LOS #: 2003-2043
Doc #: 0310SC08

Applicant/Agency: Timothy Steinberger, Director
Department of Design and Construction, City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, Hawaii 96813
SUBJECT: Chapter 6E-8 Historic Preservation Review of a Pre-Assessment
Consultation for a Draft Environmental Assessment of the Nimitz
Highway Sewer Reconstruction at OCCC
Alapua #: _____
District, Island: Kona, O'ahu
TMK: (1)-1-02-013-002,008,011 & 1-02-022-030

1. We believe there are no historic properties present, because:
- a) intensive cultivation has altered the land
 - b) residential development/urbanization has altered the land
 - c) previous grubbing/grading has altered the land
 - d) an acceptable archaeological assessment or inventory survey found no historic properties
 - e) other: The project area is underlain by alluvial soils which have been extensively disturbed through urbanization. Consequently, it is unlikely that significant historic sites are still present. Should historic remains be encountered during construction activities, work shall cease immediately in the immediate vicinity of the find, and the find shall be protected from further damage. The contractor shall immediately contact the State Historic Preservation Division (692-8015), which will assess the significance of the find and recommend an appropriate mitigation measure, if necessary.

2. This project has already gone through the historic preservation review process, and mitigation has been completed.

Thus, we believe that "no historic properties will be affected" by this undertaking

Staff: John A. Colvin Date: 17 October 2003

Title: Archaeologist - Oahu (Phone: 808-692-8020)

PostNet Fax Note	7671	DATE 10-17-03	1
To	John Steinberger	From	STEP
Phone #	608-682-8020	Co.	
		Phone #	
		Fax #	



THE LINTACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Ms. Holly McEldowney, Administrator
State of Hawaii
Department of Land and Natural Resources
Historic Preservation Division
601 Kamoleka Boulevard, Room 555
Kapolei, Hawaii 96707

Dear Ms. McEldowney:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013-002, 008, and 011; and 1-02-022-030
Kalihii Kai, Oahu, Hawaii

Thank you for your letter dated October 17, 2003 regarding the subject project. Your comments have been incorporated and addressed in Section 3.11 of the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,

Jyun H. Kaahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

615 PIKOH STREET, SUITE 1601 • HONOLULU, HAWAII 96814
TEL: 808-949-7790 • FAX: 808-949-7341
www.lintaco.com

LINDA LINGLE
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

NOV 3 2003

RODNEY K. HARAGA
DIRECTOR

Deputy Director
DANCEY, WALTER

IN REPLY REFER TO:
HWY-PS
2.2260

Mr. Timothy E. Steinberger, P.E., Director
Department of Design and Construction
City and County of Honolulu
630 South King Street, 11th Floor
Honolulu, Hawaii 96813

Dear Mr. Steinberger:

Subject: Pre-Assessment Consultation, Draft Environmental Assessment Nimitz Highway
Sewer Reconstruction at OCCC, Honolulu, Hawaii, TMK: 1-02-013: 002, 008,
011 and 1-02-022: 030

Thank you for your transmittal requesting our review regarding the subject project. We have the following comments:

1. We require the submittal and approval of construction plans for all work done within our Nimitz Highway rights of way.
2. Nimitz Highway is a heavily traveled arterial facility, therefore disruption of roadway traffic during construction should be minimized as much as possible.

If you have any questions, please contact Ronald F. Tsuzuki, Head Planning Engineer, Highways Division, at 587-1830.

Very truly yours,

RODNEY K. HARAGA
Director of Transportation

c: John Katahira



THE LIMITACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Mr. Rodney K. Haraga, Director
State of Hawaii
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

Dear Mr. Haraga:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013-002, 008, and 011; and 1-02-022-030
Kalihii Kai, Oahu, Hawaii

Thank you for your letter dated November 3, 2003 regarding the subject project. Your comments have been incorporated and addressed in Section 3.13.1 of the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,

John H. Katahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

613 PIKOI STREET, SUITE 1401 • HONOLULU, HAWAII 96814
TEL (808) 596-7790 • FAX (808) 596-7343
EMAIL: degnaw@cityhawaii.com



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

CYRILLE L. FURUKA, M.D.
DIRECTOR OF HEALTH

IN REPLY, PLEASE REFER TO
FILE #

03-1147A CAB

October 21, 2003

TO: Timothy E. Steinberger, P.E., Director
Department of Design and Construction
City & County of Honolulu

FROM: Thomas E. Arizumi, P.E., Chief *Thomas E. Arizumi*
Environmental Management Division

SUBJECT: Pre-Assessment Consultation for Nimitz Highway Sewer Reconstruction
at OCCC Project, Honolulu, Oahu; TMK: 1-02-013:002 & 1-02-022:030

This memo is to transmit the following comments on the subject document:

Control of Fugitive Dust:

There is a significant potential for fugitive dust emissions during all phases of construction. Proposed construction activities will occur in proximity to existing residences, public areas and major thoroughfares, thereby exacerbating potential dust problems. It is recommended that a dust control management plan be developed which identifies and addresses all activities that have a potential to generate fugitive dust. Implementation of adequate dust control measures during all phases of development and construction activities is warranted.

Construction activities must comply with the provisions of Hawaii Administrative Rules, §11-60.1-33 on Fugitive Dust.

The contractor should provide adequate measures to control dust from the road areas and during the various phases of construction. These measures include, but are not limited to, the following:

- a) Plan the different phases of construction, focusing on minimizing the amount of dust-generating materials and activities, centralizing on-site vehicular traffic routes, and locating potential dust-generating equipment in areas of the least impact.

Mr. Timothy E. Steinberg
October 21, 2003
Page 2

- b) Provide an adequate water source at the site prior to start-up of construction activities;
- c) Landscape and provide rapid covering of bare areas, including slopes, starting from the initial grading phase;
- d) Minimize dust from shoulders and access roads;
- e) Provide adequate dust control measures during weekends, after hours, and prior to daily start-up of construction activities; and
- f) Control dust from debris being hauled away from the project site.

If you have any questions, please contact Mr. Barry Ching of the Clean Air Branch at 586-4200.

BC:jhm

c: John Kalahira, Project Manager
The Limtiaco Consulting Group



THE LIMITACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

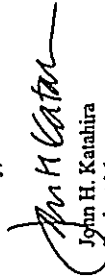
Mr. Thomas E. Arizumi, P.E., Chief
State of Hawaii
Department of Health
Environmental Management Division
P.O. Box 3378
Honolulu, Hawaii 96801-3378

Dear Mr. Arizumi:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated October 21, 2003 regarding the subject project. Your comments have been incorporated and addressed in Section 3.9 of the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,


John H. Kaahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

LEILA LAMOLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. BOX 3378
HONOLULU, HAWAII 96814

DEYONE L. YUNO, M.D.
DIRECTOR OF HEALTH

IN REPLY, PLEASE REFER TO
LAD1198

01-2-013-002 and
01-2-022-030

October 10, 2003

Mr. John Katahira
Project Manager
The Limitaco Consulting Group
615 Piikoi Street Suite 1605
Honolulu, Hawaii 96814

Dear Mr. Katahira:

Subject: Pre-Assessment Consultation, Draft Environmental Assessment
Nimitz Highway Sewer Reconstruction at OCCC, Honolulu, Oahu
TMK: (1) 1-2-013: 002, 008, 011
TMK: (1) 1-2-022: 030

Thank you for allowing us to be a part of the pre-assessment consultation phase. We are pleased to review the reconstruction at OCCC and have the following to offer. We have no objections to the proposed sewer line reconstruction project. Improvements to our existing wastewater system to insure the protection of our water sources and to prevent contamination to the public are welcomed.

All wastewater plans must conform to applicable provisions of the Department of Health's Administrative Rules, Chapter 11-62, "Wastewater Systems." We do reserve the right to review the detailed wastewater plans for conformance to applicable rules. Should you have any questions, please contact the Ms. Lori Kajiwara of the Planning & Design Section of the Wastewater Branch at 586-4294.

Sincerely,

Harold K. Yee
HAROLD K. YEE, P.E., CHIEF
Wastewater Branch

LNK:erm

cc: Mr. Timothy Steinberger, Dept. of Design and Construction, C&C of Honolulu



THE LIMITACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Mr. Harold K. Yee, P.E., Chief
State of Hawaii
Department of Health
Wastewater Branch
P.O. Box 3378
Honolulu, Hawaii 96801-3378

Dear Mr. Yee:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013-002, 008, and 011; and 1-02-022-030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated October 10, 2003 regarding the subject project. Your comments have been incorporated and addressed in the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,

Sung Ho Lai
John H. Katahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

10065PKP-03

10065PKP-03

10065PKP-03

10065PKP-03



STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. BOX 3378
HONOLULU, HAWAII 96821-3378

October 15, 2003

Mr. Timothy E. Steinberger, P.E.
Director
Department of Design and Construction
City and County of Honolulu
630 South King Street, 11th Floor
Honolulu, Hawaii 96813

Dear Mr. Steinberger:

Subject: Pre-Assessment Consultation, Draft Environmental Assessment
Nimitz Highway Sewer Reconstruction at OCCC, Honolulu, Oahu
TRMK: 1-02-013:003, 008, 011 and 1-02-022:030

The Department of Health, Clean Water Branch (CWB), has reviewed the subject document and offers the following comments:

1. The Army Corps of Engineers should be contacted at (808) 438-9258 to identify whether a Federal license or permit (including a Department of Army permit) is required for this project. Pursuant to Section 401(g)(1) of the Federal Water Pollution Act (commonly known as the "Clean Water Act"), a Section 401 Water Quality Certification is required for [any applicant for Federal license or permit to conduct any activity including, but not limited to, the construction or operation of facilities, which may result in any discharge into the navigable waters...."
2. A National Pollutant Discharge Elimination System (NPDES) general permit coverage is required for the following activities:
 - a. Storm water associated with industrial activities, as defined in Title 40, Code of Federal Regulations, Sections 122.26(b)(14)(i) through 122.26(b)(14)(ix) and 122.26(b)(14)(xi).
 - b. Construction activities, including clearing, grading, and excavation, that result in the disturbance of equal to or greater than one (1) acre of total land area. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale. An NPDES permit is required before the commencement of the construction activities.
 - c. Discharges of treated effluent from leaking underground storage tank remedial activities.

Mr. Timothy E. Steinberger
October 15, 2003
Page 2

- d. Discharges of once through cooling water less than one (1) million gallons per day.
- e. Discharges of hydrotesting water.
- f. Discharges of construction dewatering effluent.
- g. Discharges of treated effluent from petroleum bulk stations and terminals.
- h. Discharges of treated effluent from well drilling activities.
- i. Discharges of treated effluent from recycled water distribution systems.
- j. Discharges of storm water from a small municipal separate storm sewer system.
- k. Discharges of circulation water from decorative ponds or tanks.

The CWB requires that a Notice of Intent (NOI) to be covered by a NPDES general permit for any of the above activities be submitted at least 30 days before the commencement of the respective activities. The NOI forms may be picked up at our office or downloaded from our website at <http://www.state.hi.us/doh/cwb/forms/genl-index.html>.

3. The applicant may be required to apply for an individual NPDES permit if there is any type of activity in which wastewater is discharged from the project into State waters and/or coverage of the discharge(s) under the NPDES general permit(s) is not permissible. An application for the NPDES permit is to be submitted at least 180 days before the commencement of the respective activities. The NPDES application forms may also be picked up at our office or downloaded from our website at <http://www.state.hi.us/doh/cwb/forms/indiv-index.html>.

4. Hawaii Administrative Rules, Section 11-55-38, also requires the owner to either submit a copy of the new NOI or NPDES permit application to the State Department of Land and Natural Resources, State Historic Preservation Division (SHPD), or demonstrate to the satisfaction of the DOH that the project, activity, or site covered by the NOI or application has been or is being reviewed by SHPD. Please submit a copy of the request for review by SHPD or SHPD's determination letter for the project.

If you have any questions, please contact the CWB at 596-4309.

Sincerely,

Denise R. Lau
DENISE R. LAU, P.E., CHIEF
Clean Water Branch

c: Mr. John Katahira, The Limtiaco Consulting Group [via facsimile 596-7361]



THE LIMITACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Mr. Denis R. Lau, P.E., Chief
State of Hawaii
Department of Health
Clean Water Branch
P.O. Box 3378
Honolulu, Hawaii 96801-3378

Dear Mr. Lau:


Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TRMKS 1-02-013-002, 008, and 011; and 1-02-022-030
Kalibi Kai, Oahu, Hawaii

Thank you for your letter dated October 15, 2003 regarding the subject project. Your comments have been incorporated into the forthcoming Draft Environmental Assessment (EA), and the following items are offered in response to your written comments:

1. In a letter dated October 9, 2003, the Army Corps of Engineers confirmed that a Department of the Army Permit is not required for this project. Therefore, a Section 401 Water Quality Certification is also not required. The letter is included in Section 8.1 of the Draft EA.
2. As the proposed project involves the discharge of construction dewatering effluent, a National Pollutant Discharge Elimination System (NPDES) general permit will be required. The NPDES permit is addressed in Section 3.5 of the Draft EA.
3. The proposed project does not involve the discharge of wastewater into State Waters, therefore, an individual NPDES permit is not required.
4. In a letter dated October 17, 2003, the State Department of Land and Natural Resources, Historic Preservation Division (SHPD) concluded that "no historic properties will be affected" by the proposed project. This letter is included in Section 8.1 of the Draft EA and the SHPD's comments are incorporated in Section 3.11.

Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,


John H. Katahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division



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

CANTONELL JENNINGS, M.D.
DIRECTOR OF HEALTH

In reply, please refer to
File #

October 2, 2003

TO: Timothy E. Steinberger, P.E.,
Director of Design and Construction
City & County of Honolulu

FROM: Russell S. Takata, Program Manager
Department of Health
Noise, Radiation & Indoor Air Quality Branch

SUBJECT: Comments to the Pre-Assessment Consultation, Draft Environmental
Assessment Nimitz Highway Sewer Reconstruction at OCCC, Honolulu,
Tax Map Key 1-2-013: 002,011 and 1-2-22: 030

Our comments should be printed as follows:

"Project activities shall comply with the Administrative Rules of the Department of Health:

- Chapter 11-46 Community Noise Control.

Should there be any questions, please contact Russell S. Takata, Environmental Health Program Manager, Noise, Radiation and Indoor Air Quality Branch, at 586-4701."

C: John Katahira, Project Manager



THE LIMIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Mr. Russell S. Takata, Program Manager
State of Hawaii
Department of Health
Noise, Radiation & Indoor Air Quality Branch
P.O. Box 3378
Honolulu, Hawaii 96801-3378

Dear Mr. Takata:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated October 2, 2003 regarding the subject project. Your comments have been incorporated and addressed in the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,

John H. Katahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

NOV-06-2003 15:50 FROM UPSTEALTER HONT PLS/REC TO

56567361 P.01

LINDA JUNGLES GOVERNOR



03 OCT 31 PM 2:22

RECEIVED

STATE OF HAWAII

DEPARTMENT OF PUBLIC SAFETY

919 Ala Moana Boulevard, 4th Floor
Honolulu, Hawaii 96814

DESIGN & CONSTRUCTION
WASTEWATER DIVISION

No. 2003-1689

JOHN F. PEYTON, JR.
DIRECTOR

CLAREY Y. NAKAMURA
Deputy Director
Administration

FRANZ L. LOPEZ
Deputy Director
Construction

JANIS L. PROTOVICIK
Deputy Director
Environmental

October 27, 2003

The Honorable Timothy E. Steinberger, P.E., Director
City and County of Honolulu
Department of Design and Construction
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

RE: NIMITZ HIGHWAY SEWER RECONSTRUCTION
OAHU COMMUNITY CORRECTIONAL CENTER, HONOLULU, OAHU
TMK: 1-02-013-002, 003, 011 and 1-02-022-030

Dear Mr. Steinberger:

Thank you for the opportunity to respond to the Draft Environmental Assessment (EA) for the subject proposed sewer reconstruction project which will affect the Oahu Community Correctional Center (OCCC).

We have reviewed your project summary narrative and planning map. We took note of the work to be done within the boundaries of the OCCC. Your plans indicate installation of a new sewer manhole and a section of 8-inch sewer line in the area of the OCCC that is referred to as the industrial area, a major thoroughfare of activity. Throughout the day, inmates from Koochi Annex housing proceed to and from the industrial area. Food delivery vans deliver three meals daily along this route. We believe the impact of your project on OCCC operations can be mitigated by scheduling your construction activities in this area to occur during the evening hours.

Your project summary indicates a three-month construction period with an anticipated start of February 2005. It would be greatly appreciated if you could provide us, at the appropriate time, with specific construction duration pertaining to that portion of the project work to be done on the OCCC site.

Once again, thank you for the opportunity to respond.

Sincerely,

John F. Peyton, Jr.



THE LINTACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Mr. John F. Peyton, Jr., Director
State of Hawaii
Department of Public Safety
919 Ala Moana Boulevard, 4th Floor
Honolulu, Hawaii 96814

Dear Mr. Peyton:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013-002, 003, and 011; and 1-02-022-030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated October 27, 2003 regarding the subject project. Your comments have been incorporated and addressed in Section 3.12.1 of the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,

John H. Kaahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET • HONOLULU, HAWAII 96813
TELEPHONE: (808) 532-4614 • FAX: (808) 537-6743 • INTERNET: www.ci.honolulu.hi.us



JEREMY HARRIS
MAYOR

ERIC G. CRISPIN, AIA
DIRECTOR
BARBARA ANN BLANTON
DEPUTY DIRECTOR

2003/ELOG-3226 (NH)

October 16, 2003

Mr. John Katabira, Project Manager
The Lmtiaco Consulting Group
615 Piikoi Street, Suite 1605
Honolulu, Hawaii 96814

Dear Mr. Katabira:

Pre-Assessment Consultation, Draft Environmental Assessment
Nimitz Highway Sewer Reconstruction at OCCC, Honolulu, Oahu
Tax Map Keys: L2-013-007, 008, 011 and L2-022-030

In response to your request for comments of October 6, 2003, we have reviewed the subject Pre-assessment document and have the following comments to offer:

1. The Draft Environmental Assessment (DEA) should include a section on how the proposed Nimitz Highway Sewer Reconstruction at OCCC is consistent with the objectives and policies of the General Plan.
2. The DEA should also include a section on how the proposed project is consistent with the policies and guidelines of the existing Primary Urban Center Development Plan and the proposed Primary Urban Center Development Plan.
3. In the review of the Executive Capital Budget and Program for the Fiscal Year 2003-2004, the Department of Planning and Permitting determined that this project is not considered major and does not need a Development Plan Public Facilities Map amendment. It is our understanding that this project would reconstruct and replace an existing 16-inch sewer line, which was constructed in 1921. In addition, this project is recommended in the Small Diameter Sewer Line Program developed by the Departments of Environmental Services and Design and Construction.

Should you have any questions, please contact Matt Higashida of our staff at 527-6056.

Sincerely yours,

Randolph Kaka
ERIC G. CRISPIN, AIA
Director of Planning and Permitting

ECC:jjs

cc: Department of Design and Construction
Department of Environmental Services
Planning/Design/2003/Nimitz Highway Sewer Reconstruction at OCCC Pre-Assessment



THE LMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Mr. Eric G. Crispin, AIA
City and County of Honolulu
Department of Planning and Permitting
650 South King Street
Honolulu, Hawaii 96813

Dear Mr. Crispin:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013-002, 008, and 011; and 1-02-022-030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated October 16, 2003 regarding the subject project. Written comment items 1 and 2 have been incorporated and addressed in Sections 4.3 and 4.4 of the forthcoming Draft Environmental Assessment, which discuss the project's relationship to the City and County of Honolulu General Plan and the current and proposed Primary Urban Center Development Plan. Regarding comment item 3, the Department of Design and Construction has confirmed that the proposed sewer reconstruction is a Capital Improvements Project. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,

John H. Katabira
John H. Katabira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

615 PIKOI STREET, SUITE 1605 • HONOLULU, HAWAII 96814
TEL: (808) 534-7790 • FAX: (808) 536-7343
EMAIL: the@lmtiaco.com

John Katakira

DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 3RD FLOOR • HONOLULU, HAWAII 96813
TELEPHONE: (808) 525-4515 • FAX: (808) 525-4730 • INTERNET: www.cc.hawaii.gov



JEREMY HARRIS
DIRECTOR

CHERYL D. SOON
DIRECTOR
GEORGE WEEBER WITHAMOTO
SENIOR DESIGNER

TPD03-00544
TP10/03-36920

November 4, 2003

MEMORANDUM

TO: TIMOTHY E. STEINBERGER, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

FROM: CHERYL D. SOON, DIRECTOR

SUBJECT: NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC

In response to the October 6, 2003 letter from The Limitaco Consulting Group, we reviewed the project information provided and have the following comments:

1. The draft environmental assessment (EA) should:
 - Include a map that shows all the roadways in the vicinity of the project in relation to the proposed sewer line work. The jurisdiction of the roadways (State, City or private) should also be indicated. Specifically, Nimitz Highway, Sand Island Access Road, Puuhale Place, Alahao Place and Hoonee Place should be shown on the map;
 - Indicate what surface roadways are expected to be impacted/affected by the sewer line project and the mitigation measures proposed to minimize the project's impact on the surrounding roadway system and area properties;
 - Address the impact on the Nimitz Highway HOV lane;
 - Discuss traffic signal detector loop replacement; and
 - Include a traffic plan for periods of construction.
2. The State Department of Transportation should be coordinated with as both Nimitz Highway and Sand Island Access Road are under its jurisdiction.
3. The Department of Transportation Services and Oahu Transit Services, Inc. should be informed of the start date for construction.

Timothy E. Steinberger
Page 2
November 4, 2003

We look forward to reviewing the draft EA. Should you have any questions regarding these comments, please contact Faith Miyamoto of the Transportation Planning Division at Local 6976.

Cheryl D. Soon
CHERYL D. SOON

cc: John Katakira
The Limitaco Consulting Group



THE LINTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Ms. Cheryl D. Soon, Director
City and County of Honolulu
Department of Transportation Services
650 South King Street, 3rd Floor
Honolulu, Hawaii 96813

Dear Ms. Soon:

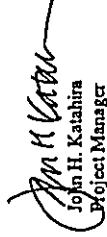
Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMMs 1-02-013-002, 008, and 011; and 1-02-022-030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated November 4, 2003 regarding the subject project. The following items are offered in response to your written comments:

1. Several figures describing the project site in relation to nearby roadways have been incorporated into the Draft Environmental Assessment (EA). Information regarding the jurisdiction of roadways is included in Section 3.13.1 of the Draft EA, as well as a discussion of traffic and roadway impacts and mitigation measures. The Nimitz Highway Contra-Flow project is also discussed. Section 3.13.1 also acknowledges the importance of close coordination with the State Department of Transportation.
2. The State Department of Transportation (DOT) was notified of the proposed project and participated in the pre-consultation phase. DOT will also be consulted during the public comment period for the Draft EA.
3. Section 3.13.1 of the Draft EA notes that the City and County of Honolulu, Department of Transportation Services and Oahu Transit Services, Inc. will be informed of the project schedule prior to the commencement of construction activities.

Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,


John H. Kashiwa
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

611 PIKIOI STREET, SUITE 1403 • HONOLULU, HAWAII 96814
TEL: (808) 596-7790 • FAX: (808) 596-7361
EMAIL: deptw@dot.hawaii.gov

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HI 96813



October 16, 2003

Mr. John Katahira
The Limtiaco Consulting Group
615 Piikoi Street, Suite 1605
Honolulu, Hawaii 96814

Dear Mr. Katahira:

Subject: Your Letter of October 6, 2003 on the Draft Environmental Assessment for the Nimitz Highway Sewer Reconstruction at OCCC. TMK: 1-2-13: 2, 8, 11 and 1-2-22: 30

Thank you for the opportunity to comment on the proposed project.

The construction drawings should be submitted for our review and approval.

...The construction schedule should be coordinated to minimize impact to the water system.

If you have any questions, please contact Joseph Kaakua at 748-5440.

Very truly yours,

for CLIFFORD S. JAMILE
Manager and Chief Engineer

JEREMY HARRIS, Mayor
EDGEE FLORES, JR., Chairman
CHARLES A. STED, Vice-Chairman
JAN HILY, AIG
HERBERT S. K. KAOPUA, SR.
DANOLYN H. LENO

ROONEY K. HIRAGA, Esq.
LARRY J. LEOPARD, Esq.
CLIFFORD S. JAMILE
Manager and Chief Engineer
DOMINIC K. JOYCE
Deputy Manager and Chief Engineer



THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Mr. Clifford S. Jamile, Manager and Chief Engineer
City and County of Honolulu
Board of Water Supply
630 South Beretania Street
Honolulu, Hawaii 96843

Dear Mr. Jamile:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihii Kai, Oahu, Hawaii

Thank you for your letter dated October 16, 2003 regarding the subject project. Your comments have been incorporated and addressed in Section 3.13.2 of the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,

John H. Katahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

615 PIKOKI STREET, SUITE 1605 • HONOLULU, HAWAII 96814
TELEPHONE: 596-7790 • FAX: 596-7311
WWW.LIMTIACOGROUP.COM



Verizon Hawaii Inc.
P.O. Box 2200
Honolulu, HI 96841

October 10, 2003

Mr. Timothy E. Steinberger
City and County of Honolulu
Department of Design and Construction
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Dear Mr. Steinberger

Subject: Pre-Assessment Consultation, Draft Environment Assessment
Nimitz Highway Sewer Reconstruction at OCCC, Honolulu, Oahu
Tax Map Keys: 1-02-013:002, 008, 011, and 1-02-022:030

Thank you for the opportunity to review the above subject project.

Verizon Hawaii currently has a duct system with several high capacity cables that fronts TMK 1-02-022:030. According to the recommended design alternative figure 1, segment 2, which utilizes the trenchless method, trenchless construction work will go directly across Verizon Hawaii's duct system that contains high capacity cables. Please make note to have Verizon Hawaii's ductline identified prior to construction work and have the trenchless company make the necessary adjustments so that Verizon Hawaii's ductline is not disturbed.

If you have any questions, please call Kenwynn Goo at 840-2967.

Sincerely,

Lynette Yoshida
Section Manager - Network Engineering and Planning

c: File (Kaithi)
K. Goo

John Katahira, The Limtiaco Consulting Group, 615 Piikoi Street, Suite 1605,
Honolulu, Hawaii 96814.



THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Ms. Lynette Yoshida, Section Manager
Network Engineering and Planning
Verizon Hawaii Inc.
P.O. Box 2200
Honolulu, Hawaii 96841

Dear Ms. Yoshida:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated October 10, 2003 regarding the subject project. Your comments have been incorporated and addressed in Section 3.13.5 of the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,

John H. Katahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division



November 12, 2003

Mr. Timothy E. Steinberger, P.E., Director
City and County of Honolulu
Department of Design and Construction
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Dear Mr. Steinberger:

Subject: Pre-Assessment Consultation, Draft Environmental Assessment
Nimitz Highway Sewer Reconstruction at OCCC, Honolulu, Oahu
Tax Map Keys: 1-02-013:002,008, 011 and 1-02-022:030

Thank you for the opportunity to comment on the subject Pre-assessment consultation phase of the Draft EA.

The following are our comments:

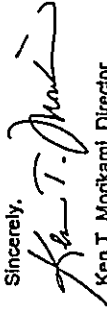
- Since there are no detailed plans to date, it's hard to say if there will be an impact or not. HECO has existing easements and facilities in the area of the project and will need continued access for maintenance of our facilities. As this project comes to fruition, please continue to keep us informed. Further along in your design, we will be better able to evaluate the effects on our system facilities. Please show all affected HECO facilities on the construction plans and address any conflicts between the proposed plans and HECO's existing facilities. We request that you resubmit two (2) sets of pre-final plans to HECO for review.

- The contractor will be responsible for any relocation costs, temporary bracing, costs associated with de-energizing of lines for safe operation of his equipment, etc.

We appreciate your efforts to keep us apprised of your projects in the planning process. Please continue to keep us informed. Further along in your design, we will be better able to evaluate the effects on our system facilities.

If you have any questions, please call Rouen Liu at 543-7245.

Sincerely,


Ken T. Morikami, Director
Project Management Division

cc: J. Katahira



WINNER OF THE EDISON AWARD
FOR DISTINGUISHED INDUSTRY LEADERSHIP



THE LINTACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

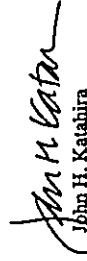
Mr. Ken T. Morikami, Director
Project Management Division
Hawaiian Electric Company, Inc.
P.O. Box 2750
Honolulu, Hawaii 96840-0001

Dear Mr. Morikami:

Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihī Kai, Oahu, Hawaii

Thank you for your letter dated October 9, 2003 regarding the subject project. Your comments have been incorporated and addressed in Section 3.13.5 of the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

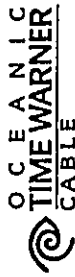
Sincerely,


John H. Katahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

615 PULOH STREET, SUITE 1401 • HONOLULU, HAWAII 96814
TEL: (808) 596-7790 • FAX: (808) 596-7374
http://www.lintaco.com

200 Akamai Street
Aiea, Hawaii 96706-3999
TEL: 808-435-2100
FAX: 808-435-5555



October 9, 2003

Mr. Timothy E. Steinberger
City and County of Honolulu
Department of Design and Construction
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

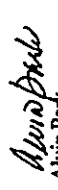
Dear Mr. Steinberger

**Re: Pre-Assessment Consultation, Draft Environmental Assessment
Nimitz Highway Sewer Reconstruction at OCCC, Honolulu, Oahu
Tax Map Keys: 1-02-013:002, 008, 011 and 1-02-022:030**

Thank you for the opportunity to provide comments to your proposed project. Oceanic Cable has an underground cable along Nimitz Highway from Puuhale Road into Sand Island Access Road, which will require toning prior to the start of the Segment 2 activity. No other cable facilities are affected.

Please call area engineer Darrick Miyata at 625-8354 if you have any questions.

Sincerely,


Alvin Park
Supervising Engineer

Cc: Mr. John Katahira, Project Manager
The Limitaco Consulting Group
Darrick Miyata
Office File



THE LIMITACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003


Mr. Alvin Park, Supervising Engineer
Oceanic Time Warner Cable
200 Akamai Street
Miiilani, Hawaii 96789-3999

Dear Mr. Park:

**Subject: Pre-Assessment Consultation
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihii Kai, Oahu, Hawaii**

Thank you for your letter dated October 9, 2003 regarding the subject project. Your comments have been incorporated and addressed in Section 3.13.5 of the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,


John H. Katahira
Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

415 PIKOI STREET, SUITE 1603 - HONOLULU, HAWAII 96814
TEL: (808) 396-7790 • FAX: (808) 396-7361
EMAIL: thegroup@plhawaii.com



Honolulu, Hawaii 96802-3000
 PO Box 3000
 Phone 808-535-5933
 Fax 808-535-5944

October 10, 2003

City and County of Honolulu
 Department of Design and Construction
 650 South King Street, 11th Floor
 Honolulu, Hawaii 96813

Attention: Mr. Timothy E. Steinberger, P. E.
 Director

Gentlemen:

Subject: Pre-Assessment Consultation, Draft Environmental Assessment
 Nimitz Highway Sewer Reconstruction at OCCC, Honolulu, Oahu

Please be advised that The Gas Company maintains underground utility gas mains in the project vicinity, as well as our 16" gas transmission pipeline. We would appreciate your consideration during the project planning and design process to minimize any potential conflicts with the existing gas facilities in the project area.

Thank you for the opportunity to comment on the Draft Environmental Assessment. Should there be any questions, or if additional information is desired, please call me at 594-5570.

Very truly yours,

Charles Calvet, P.E.
 Manager, Engineering

CEC:ks
 03-127

✓cc: Mr. John Katahira, Project Manager, The Limtiaco Consulting Group



THE LIMTIACO CONSULTING GROUP
 CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS

December 10, 2003

Mr. Charles Calvet, P.E., Manager
 Engineering Department
 The Gas Company
 P.O. Box 3000
 Honolulu, Hawaii 96802-3000

Dear Mr. Calvet:

Subject: Pre-Assessment Consultation
 Nimitz Highway Sewer Reconstruction at OCCC
 TMs 1-02-013-002, 008, and 011; and 1-02-022:030
 Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated October 9, 2003 regarding the subject project. Your comments have been incorporated and addressed in Section 3.13.5 of the forthcoming Draft Environmental Assessment. Your participation in the pre-assessment phase of the environmental review process is appreciated. Should you have any questions, please contact me at 596-7790.

Sincerely,

John H. Katahira
 Project Manager

cc: Sung Ho Lai, Department of Design and Construction, Wastewater Division

413 PIKOH STREET, SUITE 1403 • HONOLULU, HAWAII 96814
 TEL: 808-535-7790 • FAX: 808-535-5944
 www.thelimitiaco.com

8.2. Draft EA Consultation

The following agencies, organizations, and individuals were consulted during the Draft EA public review period. A total of 13 parties submitted comments, as indicated by the √ below. Comments and responses are reproduced herein.

Federal Agencies

U.S. Army Corps of Engineers
U.S. Federal Highways Administration
U.S. Environmental Protection Agency, Region IX, Pacific Islands Contact Office

State of Hawaii

- √ Department of Accounting and General Services
- Department of Business, Economic Development and Tourism
- Department of Business, Economic Development and Tourism, Office of Planning
- Department of Hawaiian Homelands
- Department of Health (3 copies)
- √ Department of Health, Office of Environmental Quality Control (4 copies)
- √ Department of Land and Natural Resources (5 copies)
- √ Department of Land and Natural Resources, Historic Preservation Division
- Department of Public Safety
- Department of Transportation
- √ Office of Hawaiian Affairs
- Senator Suzanne Chun Oakland, 13th Senatorial District
- Representative Felipe P. Abinsay, Jr., 29th Representative District

City and County of Honolulu

- √ Board of Water Supply
- √ Department of Planning and Permitting (5 copies)
- √ Department of Planning and Permitting, Wastewater Division
- √ Department of Parks and Recreation
- Department of Facility Maintenance
- √ Department of Transportation Services
- Department of Environmental Services
- √ Fire Department
- √ Police Department
- Councilman Romy Cachola, District 7
- Kalihi-Palama Neighborhood Board No. 15

Utilities

- Verizon Hawaii, Inc.
- √ Hawaiian Electric Company Inc.
- Oceanic Time Warner Cable
- The Gas Company

Other Interested Parties

Continental Mechanical of the Pacific/FBS Hawaii
Honolulu Limited
Hy-Pac Self Storage
KHNL-TV/KFVE-TV

Libraries and Repositories

Hawaii State Library
Kalihi Public Library
Legislative Reference Bureau
Municipal Reference and Records Center
University of Hawaii Hamilton Library

LINDA LIMOLE
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
P.O. BOX 119, HONOLULU, HAWAII 96810

RUS K. BAIRD
COMPTROLLER
KATHERINE H. THOMASON
DEPUTY COMPTROLLER

(7)12174

JEREMY HARRIS
MAYOR

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 522-0364 • Fax: (808) 522-4687
Web site: www.ddc.honolulu.gov



TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

JAN 22 2004

WV.P 04-0057

February 24, 2004

Mr. Timothy E. Steinberger, Director
Department of Design and Construction
City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Dear Mr. Steinberger:

Subject: Draft Environmental Assessment (DEA)
Nimitz Highway Sewer Reconstruction at OCCC
TMMs 1-02-013:002, 008, and 011, and 1-02-022:030
Kalihi Kai, Oahu, Hawaii

Thank you for the opportunity to comment on the subject report. The project does not directly impact any Department of Accounting and General Services' projects or existing facilities. Therefore, we have no comments to offer.

If you have any questions, please have your staff call Mr. Bruce Bennett, of the Planning Branch, at 586-0491.

Sincerely,

HAROLD SONOMURA
Acting Public Works Administrator

BB:rm0

c: Mr. John Katabira, The Limitaco Consulting Group
Ms. Genevieve Salmonson, OEQC

Mr. Harold Sonomura, Acting Public Works Administrator
State of Hawaii
Department of Accounting and General Services
P.O. Box 119
Honolulu, Hawaii 96810

Dear Mr. Sonomura:

Subject: Draft Environmental Assessment (EA)
Nimitz Highway Sewer Reconstruction at OCCC
TMMs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated January 22, 2004 completing your review of the subject Draft EA and concluding that your agency has no comments regarding the proposed project.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

Sincerely,

TIMOTHY E. STEINBERGER, P.E.
Director

09:06:27 01-06-2004 1/1

LINDA LUNDE
SECRETARY OF HAWAII



STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL
200 SOUTH BERTLANDA STREET
HONOLULU, HAWAII 96813
TELEPHONE: (808) 551-2000
FACSIMILE: (808) 551-2000
E-MAIL: oeqc@hawaii.gov

GENEVIEVE SALMONSON
DIRECTOR

January 5, 2004

Timothy Steinberger, Director
Department of Design & Construction
650 South King Street
Honolulu, Hawaii 96813

Attention: Sung Ho Lai

Dear Mr. Steinberger:

Subject: Draft Environmental Assessment (EA) for Nimitz Highway Sewer Reconstruction at OCCC

We have the following comments to offer:

New manholes: Section 2.3, *Existing Sewer Line Conditions*, notes that the state will institute a new project to install new manholes to intercept debris on OCCC property. The environmental impact statement law prohibits segmentation of geographically-related projects and requires that full disclosure be made on all projects in their entirety. If details of the manhole project are known, provide a full discussion and analysis of the two projects in the final EA.

Paving: Hawaii Revised Statutes 103D-407 requires the use of recycled glass in paving materials whenever possible. For the text of this section of HRS go to our website at <http://www.state.hi.us/health/oeqc/guidance/index.html> or contact our office for a paper copy.

If you have any questions, call Nancy Heinrich at 586-4185.

Sincerely,

Genevieve Salmonson
GENEVIEVE SALMONSON
Director

c: John Katsura, Limitaco Consulting

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 525-4564 • Fax: (808) 522-4687
Web site: www.cc.honolulu.gov



JEREMY HARRIS
MAYOR

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

WW.P 04-0058

February 24, 2004

Ms. Genevieve Salmonson, Director
State of Hawaii
Office of Environmental Quality Control
235 S. Beretania Street, Suite 702
Honolulu, Hawaii 96813

Dear Ms. Salmonson:

Subject: Draft Environmental Assessment (EA)
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013-002, 008, and 011; and 1-02-022-030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated January 5, 2004 completing your review of the subject Draft EA. We offer the following in response to your comments:

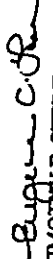
New manholes: In January 2004, the State Department of Accounting and General Services (DAGS) Division of Public Works completed a mitigation project to collect debris deposited into the sewer system within the OCCC property. This project included the installation of two new manholes within OCCC with bar screens and steel baskets and the retrofit of three existing manholes within OCCC with bar screens and steel baskets. Although the bar screens and steel baskets successfully intercept materials that should not enter the wastewater system, such as bed sheets and prison jumpsuits, the DAGS project was not intended to address the physical conditions of the sewer line itself.

The City-proposed action is intended to address the sewer reconstruction downstream of the OCCC property that has been identified as prone to capacity and structural problems due to long-term deterioration of the pipe. Therefore, the DAGS and City projects do not constitute project segmentation. The Final EA will reflect the above information regarding the DAGS project.

Paving: The contractor will comply with the provisions of the Hawaii Revised Statutes 103D-407 regarding the use of recycled glass in paving materials wherever possible.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

Sincerely,


TIMOTHY E. STEINBERGER, P.E.
Director

LINDA LINDLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
POST OFFICE BOX 621
HONOLULU, HAWAII 96809



RECEIVED
04 JUN 15 P2
DESIGN & CONSTRUCTION
WASTEWATER DIVISION

PETER L. HARRIS
COMMISSIONER OF LAND AND NATURAL RESOURCES
DAN DALVEISON
DEPUTY DIRECTOR - LAND
ERNEST W. LAU
DEPUTY DIRECTOR - WATER

January 14, 2004

NIMITZSEWER&COH.RCM

Honorable Timothy E. Steinberger, P.E.
Director, City and County of Honolulu
Department of Design and Construction
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Dear Mr. Steinberger:

SUBJECT: Draft Environmental Assessment (December 2003)
Project: Nimitz Highway Sewer Reconstruction at OCCC
Applicant: C&COH Department of Design and Construction
Location: Kalihi Kai, Island of Oahu, Hawaii
TMK: (1) 1-02-013: 002, 008 & 011 and 1-02-022: 030

Thank you for the opportunity to review and comment on the subject matter

A copy of the document pertaining to the proposed project was transmitted or made available to the following Department of Land and Natural Resources' Divisions for their review and comment.

- Division of Aquatic Resources
- Division of Forestry & Wildlife
- Division of State Parks
- Engineering Division
- Commission on Water Resource Management
- Office of Conservation and Coastal Lands
- Land-Oahu District Land Office
- Land-Planning and Development

Enclosed please find a copy of the Engineering Division and Oahu District Land Office comment and a copy of Executive Order No. 570.

Based on the attached responses, the Department of Land and Natural Resources has no comment to offer on the subject matter at this time. Should you have any questions, please contact Nicholas A. Vaccaro of the Land Division Support Services Branch at 597-0384.

Very truly yours,

Dierdre S. Mamiya
DIERDRE S. MAMIYA
Administrator

C: ODLO

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
850 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 523-4864 • Fax: (808) 523-4887
Web site: www.cc.hawaii.gov



JEREMY HARRIS
MAYOR

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

February 24, 2004

WW/P 04-0059

Ms. Dierdre S. Mamiya, Administrator
State Department of Land and Natural Resources
Land Division
1151 Punchbowl Street
Honolulu, Hawaii 96813

Dear Ms. Mamiya:

Subject: Draft Environmental Assessment (EA)
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated January 13, 2004 completing your review of the subject Draft EA. We understand that the document was made available for review by eight Department of Land and Natural Resources divisions.

The Engineering Division provided a comment confirming that the project site is within the Zone X flood zone designation, as stated in the Draft EA. The Land Division's Oahu District Office commented that the Executive Order 570 granting the City and County of Honolulu (City) a sewer line easement does not accurately reflect the alignment of the existing sewer line within the OCCC property. The sewer line easement in question was for the old 16" line that was no longer in use after installation of the existing 18" line. The City is aware of this discrepancy, and although that portion of the sewer line is not within the project limits, the City intends to request the abandonment of the existing easement and negotiate the acquisition of a new easement.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

Sincerely,

Timothy E. Steinberger
TIMOTHY E. STEINBERGER, P.E.
Director

LEGAL COUNSEL
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96909

December 23, 2003

LD/NAV

Ref.: NIMITHSEWER&COH.CHT

Suspense Date: 1/12/04

MEMORANDUM:

TO: *XXX Division of Aquatic Resources
*XXX Division of Forestry & Wildlife
*XXX Division of State Parks
*XXX Engineering Division
Division of Boating and Ocean Recreation
*XXX Commission on Water Resource Management
*XXX Office of Conservation and Coastal Lands
*XXX Oahu District Land Office
*XXX Planning and Development Manager (Keith Chun)

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (December 2003)
Applicant: C&COH Department of Design and Construction
Wastewater Division
Project: Nimitz Highway Sewer Reconstruction at OCCC
Location: Kalihi Kai, Island of Oahu, Hawaii
THKs: 1-02-013: 002, 008 & 011 and 1-02-022: 030

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

NOTE: One copy of the DEA is available for your review in the Land Division Office, Room 220.

If you have any questions, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

(X) We have no comments. () Comments attached.
Signed: *[Signature]* Date: DEC 29 2003

Name: MICHAEL G. BUCK, ADMINISTRATOR
DIVISION OF FORESTRY AND WILDLIFE

LEGAL COUNSEL
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96909

December 23, 2003

LD/NAV

Ref.: NIMITHSEWER&COH.CHT

Suspense Date: 1/12/04

MEMORANDUM:

TO: *XXX Division of Aquatic Resources
*XXX Division of Forestry & Wildlife
*XXX Division of State Parks
*XXX Engineering Division
Division of Boating and Ocean Recreation
*XXX Commission on Water Resource Management
*XXX Office of Conservation and Coastal Lands
*XXX Oahu District Land Office
*XXX Planning and Development Manager (Keith Chun)

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (December 2003)
Applicant: C&COH Department of Design and Construction
Wastewater Division
Project: Nimitz Highway Sewer Reconstruction at OCCC
Location: Kalihi Kai, Island of Oahu, Hawaii
THKs: 1-02-013: 002, 008 & 011 and 1-02-022: 030

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

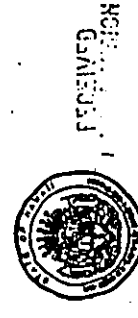
NOTE: One copy of the DEA is available for your review in the Land Division Office, Room 220.

If you have any questions, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

(X) We have no comments. () Comments attached.
Signed: *[Signature]* Date: 1/1/04

Name: Dierdre S. Mamiya
Division: State Parks

PETER T. YOUNG
CHAIRMAN
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
DAVID DAVIDSON
DEPUTY DIRECTOR - LAND
ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER
ADAPTIVE RESOURCES
BOATING AND OCEAN RECREATION
INTEGRITY AND CONSERVATION
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSTRUCTION AND RESOURCES DEVELOPMENT
FORESTRY AND WILDLIFE
HONOLULU DISTRICT LAND OFFICE
MARQUETTE B. HARRIS
LAND DIVISION
STATE PARKS



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96909

December 23, 2003

LD/NAV

Ref.: NIMITHSEWER&COH.CHT

Suspense Date: 1/12/04

MEMORANDUM:

TO: *XXX Division of Aquatic Resources
*XXX Division of Forestry & Wildlife
*XXX Division of State Parks
*XXX Engineering Division
Division of Boating and Ocean Recreation
*XXX Commission on Water Resource Management
*XXX Office of Conservation and Coastal Lands
*XXX Oahu District Land Office
*XXX Planning and Development Manager (Keith Chun)

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (December 2003)
Applicant: C&COH Department of Design and Construction
Wastewater Division
Project: Nimitz Highway Sewer Reconstruction at OCCC
Location: Kalihi Kai, Island of Oahu, Hawaii
THKs: 1-02-013: 002, 008 & 011 and 1-02-022: 030

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

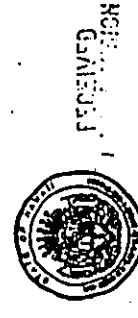
NOTE: One copy of the DEA is available for your review in the Land Division Office, Room 220.

If you have any questions, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

(X) We have no comments. () Comments attached.
Signed: *[Signature]* Date: 1/1/04

Name: Dierdre S. Mamiya
Division: State Parks

PETER T. YOUNG
CHAIRMAN
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
DAVID DAVIDSON
DEPUTY DIRECTOR - LAND
ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER
ADAPTIVE RESOURCES
BOATING AND OCEAN RECREATION
INTEGRITY AND CONSERVATION
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSTRUCTION AND RESOURCES DEVELOPMENT
FORESTRY AND WILDLIFE
HONOLULU DISTRICT LAND OFFICE
MARQUETTE B. HARRIS
LAND DIVISION
STATE PARKS



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96909

December 23, 2003

LD/NAV

Ref.: NIMITHSEWER&COH.CHT

Suspense Date: 1/12/04

MEMORANDUM:

TO: *XXX Division of Aquatic Resources
*XXX Division of Forestry & Wildlife
*XXX Division of State Parks
*XXX Engineering Division
Division of Boating and Ocean Recreation
*XXX Commission on Water Resource Management
*XXX Office of Conservation and Coastal Lands
*XXX Oahu District Land Office
*XXX Planning and Development Manager (Keith Chun)

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (December 2003)
Applicant: C&COH Department of Design and Construction
Wastewater Division
Project: Nimitz Highway Sewer Reconstruction at OCCC
Location: Kalihi Kai, Island of Oahu, Hawaii
THKs: 1-02-013: 002, 008 & 011 and 1-02-022: 030

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

NOTE: One copy of the DEA is available for your review in the Land Division Office, Room 220.

If you have any questions, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

(X) We have no comments. () Comments attached.
Signed: *[Signature]* Date: 1/1/04

Name: Dierdre S. Mamiya
Division: State Parks

LINDA LUNDE
CONTROLLER OF FINANCE

RECEIVED
LAND DIVISION



STATE OF HAWAII
7803 DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 821
HONOLULU, HAWAII 96809

PETER F. YOUNG
CHAIRMAN
BOARD OF LAND AND NATURAL RESOURCES
COMMISSIONER OF WATER RESOURCE MANAGEMENT

DAN DAVENSON
DEPUTY DIRECTOR - LAND
ERNEST YUK LAU
DEPUTY DIRECTOR - WATER

ADJUTANT GENERAL
STATE AND COUNTY OFFICES
COMMISSIONER OF WATER RESOURCE MANAGEMENT
CONSERVATION AND RESOURCES DEPARTMENT

POST OFFICE BOX 821
HONOLULU, HAWAII 96809
ADJUTANT GENERAL
LAND DIVISION
HONOLULU, HAWAII 96809

December 23, 2003

LD/NAV
Ref.: NIMITZSEWER&COH.CMT
L-3711
Suspense Date: 1/12/04

MEMORANDUM:

- TO: *XXX Division of Aquatic Resources
 *XXX Division of Forestry & Wildlife
 *XXX Division of State Parks
 *XXX Engineering Division
 Division of Boating and Ocean Recreation
 *XXX Commission on Water Resource Management
 *XXX Office of Conservation and Coastal Lands
 *XXX Oahu District Land Office
 *XXX Planning and Development Manager (Keith Chun)

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (December 2003)
 Applicant: C&Coh Department of Design and Construction
 Wastewater Division
 Project: Nimitz Highway Sewer Reconstruction at OCCC
 Location: Kailhi Kai, Island of Oahu, Hawaii
 TMKs: 1-02-013: 002, 008 & 011 and 1-02-022: 030

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

NOTE: One copy of the DEA is available for your review in the Land Division Office, Room 220.

If you have any questions, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

() We have no comments. Comments attached.
 Signed: *Eric T. Hirono* Date: 12/30/03

Name: ERIC T. HIRONO, CHIEF ENGINEER
 Division: Engineering

DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

LANAY

Ref: NIMITZSEWER&COH.CMT

COMMENTS

- We confirm that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Flood Zone X.
- Please note that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Zone _____.
- Please note that the correct Flood Zone Designation for the project site according to the Flood Insurance Rate Map (FIRM) is _____.
- Please note that the project must comply with the rules and regulations of the National Flood Insurance Program (NFIP) presented in Title 44 of the Code of Federal Regulations (44CFR), whenever development within a Special Flood Hazard Area is undertaken. If there are any questions, please contact the State NFIP Coordinator, Ms. Carol Tyson-Baum, of the Department of Land and Natural Resources, Engineering Division at (808) 587-0257.

Please be advised that 44CFR indicates the minimum standards set forth by the NFIP. Your Community's local flood ordinance may prove to be more restrictive and thus take precedence over the minimum NFIP standards. If there are questions regarding the local flood ordinance, please contact the applicable County NFIP Coordinators below:

- Mr. Robert Summerson at (808) 523-4254 or Mr. Mario Sin Li at (808) 523-4247 of the City and County of Honolulu, Department of Planning and Permitting.
- Mr. Kelly Gomez at (808) 941-8377 (Hilo) or Mr. Kiran Boker at (808) 377-3530 (Loos) of the County of Hawaii, Department of Public Works.
- Mr. Francis Castro at (808) 370-7771 of the County of Maui, Department of Planning.
- Mr. Mario Antonio at (808) 741-6630 of the County of Kauai, Department of Public Works.

- The applicant should include project water demands and infrastructure required to meet water demands. Please note that the implementation of any State-sponsored projects requiring water service from the Honolulu Board of Water Supply system must first obtain water allocation credits from the Engineering Division before it can receive a building permit and/or water meter.
- The applicant should provide the water demands and calculations to the Engineering Division so it can be included in the State Water Projects Plan Update.
- Additional Comments: _____

Other: _____

Should you have any questions, please call Mr. Eric Yusa of the Planning Branch at 587-0254.

Signed: *Eric T. Hirono*
ERIC T. HIRONO, CHIEF ENGINEER

Date: 12/30/03

LEOLA UNKLE
GOVERNOR OF HAWAII



33 DEC 23 PM 4: 20

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809



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

DAVID DAVISON
DEPUTY DIRECTOR - LAND
ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF FORESTRY & WILDLIFE
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
DIVISION OF STATE PARKS
ENGINEERING DIVISION
PLANNING AND DEVELOPMENT
POST OFFICE BOX 621
HONOLULU, HAWAII 96809

STATE PARKS

LD/NAV

Ref.: NIMITHSEWER&COH.CMT

Suspense Date: 1/12/04

December 23, 2003

L-3711
Suspense Date: 1/12/04

MEMORANDUM:

- *XXX Division of Aquatic Resources
- *XXX Division of Forestry & Wildlife
- *XXX Division of State Parks
- *XXX Engineering Division
- Division of Boating and Ocean Recreation
- *XXX Commission on Water Resource Management
- *XXX Office of Conservation and Coastal Lands
- *XXX Oahu District Land Office
- *XXX Planning and Development Manager (Keith Chun)

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (December 2003)
Applicant: C&CoH Department of Design and Construction
Wastewater Division
Project: Nimitz Highway Sewer Reconstruction at OCCC
Location: Kalihi Kai, Island of Oahu, Hawaii
TMKS: 1-02-013: 002, 008 & 011 and 1-02-022: 030

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

NOTE: One copy of the DEA is available for your review in the Land Division Office, Room 220.

If you have any questions, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

() We have no comments. () Comments attached.

Signed: D. Mamiya Date: 12/24/03

Name: DAVID HIGA Division: C&CoH

LEOLA UNKLE
GOVERNOR OF HAWAII



RECEIVED
LAND DIVISION

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809



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

DAVID DAVISON
DEPUTY DIRECTOR - LAND
ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF FORESTRY & WILDLIFE
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
DIVISION OF STATE PARKS
ENGINEERING DIVISION
PLANNING AND DEVELOPMENT
POST OFFICE BOX 621
HONOLULU, HAWAII 96809

STATE PARKS

LD/NAV

Ref.: NIMITHSEWER&COH.CMT

Suspense Date: 1/12/04

December 23, 2003

L-3711
Suspense Date: 1/12/04

MEMORANDUM:

- *XXX Division of Aquatic Resources
- *XXX Division of Forestry & Wildlife
- *XXX Division of State Parks
- *XXX Engineering Division
- Division of Boating and Ocean Recreation
- *XXX Commission on Water Resource Management
- *XXX Office of Conservation and Coastal Lands
- *XXX Oahu District Land Office
- *XXX Planning and Development Manager (Keith Chun)

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (December 2003)
Applicant: C&CoH Department of Design and Construction
Wastewater Division
Project: Nimitz Highway Sewer Reconstruction at OCCC
Location: Kalihi Kai, Island of Oahu, Hawaii
TMKS: 1-02-013: 002, 008 & 011 and 1-02-022: 030

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

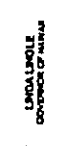
NOTE: One copy of the DEA is available for your review in the Land Division Office, Room 220.

If you have any questions, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

() We have no comments. (X) Comments attached.

Signed: [Signature] Date: Dec 30, 2003

Name: Robert M. Iry Division: Land



PETER T. YOUNG
 BOARD OF LAND AND NATURAL RESOURCES
 COMMISSIONER OF WATER RESOURCES MANAGEMENT

DAN DAVISON
 DEPUTY DIRECTOR, LAND

EMMETT W. LAU
 DEPUTY DIRECTOR, WATER

AQUATIC RESOURCES
 AND OCEAN RESOURCES
 COMMISSIONER OF WATER RESOURCES MANAGEMENT

ENGINEERING
 AND CONSTRUCTION
 COMMISSIONER OF WATER RESOURCES MANAGEMENT

PLANNING
 AND RECREATION
 COMMISSIONER OF WATER RESOURCES MANAGEMENT

POST OFFICE BOX 221
 HONOLULU, HAWAII 96809

STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 LAND DIVISION

December 30, 2003

MEMORANDUM

TO: Diandre S. Mamiya, Administrator
 Land Division

FROM: Robert M. Ing, Land Agent *RM*
 Oahu District Land Office

SUBJECT: Draft Environmental Assessment (December 2003)
 Applicant: C&CoH Department of Design and Construction
 Project: Waste Water Division
 Nimitz Highway Sewer Reconstruction at OCCC
 Location: Kailhi Kai, Island of Oahu, Hawaii
 TMK's: 1-02-013:002, 008 & 011 and 1-02-022:030

COMMENTS:

TMK (1) 1-2-013:002 is owned by the State of Hawaii and is occupied by OCCC. By Executive Order 570, a ten-foot (10') wide Right-of-Way, totaling 15,532 Sq. Ft., was granted to the City and County of Honolulu for the construction, maintenance and operation of a sewer line. (A copy of the Executive Order is provided for your convenience).

The CSF Map provided with said Executive Order does not accurately reflect the location of the subject sewer line as described in Figure 2 and 3 in the Draft Environmental Assessment.

Please inform our office as to whether Executive Order 570 is still needed, so we can determine whether other land dispositions are necessary to resolve this matter.

Setting Aside Land for Public Purposes

WHEREAS, the Board of Land and Natural Resources, in its capacity as the governing body of the State of Hawaii, has the honor and duty to preserve and protect the public lands of the State of Hawaii; and

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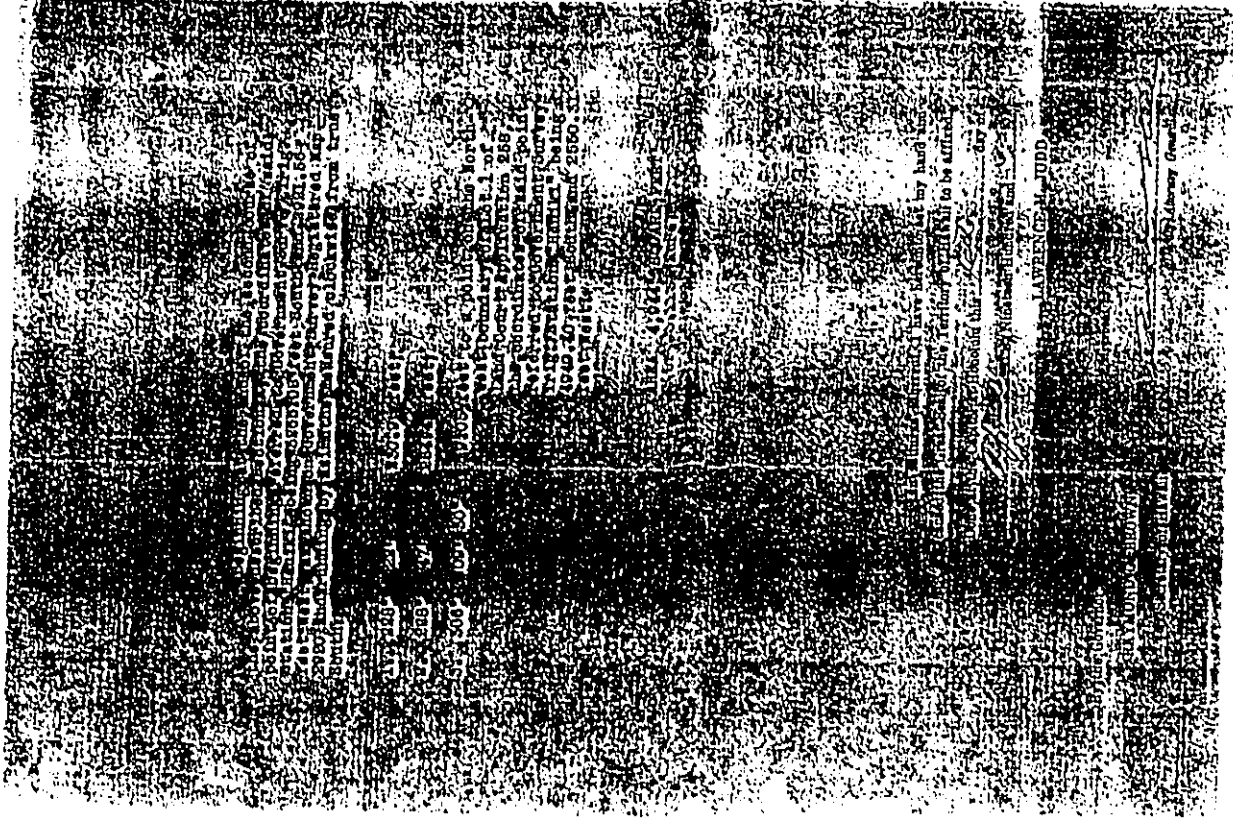
AND WHEREAS, the Board of Land and Natural Resources, in its capacity as the governing body of the State of Hawaii, has the honor and duty to preserve and protect the public lands of the State of Hawaii; and

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AND WHEREAS, the Board of Land and Natural Resources, in its capacity as the governing body of the State of Hawaii, has the honor and duty to preserve and protect the public lands of the State of Hawaii; and



Being a strip of land 10 feet wide, lying 5 feet on either side of the center line, described as follows:

Beginning at a point on the Northeast side of the Oahu Railway and Land Company's right-of-way, the coordinates of said point of beginning referred to Government Survey Trig. Station "Hauiki" being 5691.46 feet North and 3148.27 feet West, as shown on Government Survey Registered Map 2920 and running by azimuths measured clockwise from true South;

1. 234° 20' 10.86 feet;
2. 207° 25' 473.2 feet;
3. 188° 50' 373.0 feet;
4. 161° 54' 502.0 feet;
5. 180° 48' 227.9 feet;
6. 316° 11' 194.4 feet;
7. 223° 30' 1.8 feet to the Southerly boundary of Land

Court Application 856, the direct azimuth and distance from said point to the iron pin set in concrete marking the end of Course 52 of said Land Grant Application 868 being 308' 10' 12.30 feet, and the coordinates of said iron pin in concrete referred to Government Survey Trig. Station "Hauiki" being 4853.31 feet South and 2852.92 feet West.

AREA 16,532 SQUARE FEET (or 0.367 Acre)

SECTION B - Being a spur line of the Kalihī Sewer which crosses the Territorial Penitentiary site and Millingham Boulevard, comprising the following titles:

1. Portion of the Government land of Kalusopalens;
2. Portion of Grant (P.W.) 73 to Alexander Young, being covered by Deed of Alexander Young Estate, Limited, to Territory of Hawaii, dated Nov. 19, 1923, recorded in the Bureau of Conveyances at Honolulu, on Pages 269-371 of Book 708.

Being a strip of land 10 feet wide, lying 5 feet on either side of the center line, described as follows:

LOCAL AREA
OFFICE OF THE

COPY



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

HISTORIC PRESERVATION DIVISION
KAKAHUHEWA BUILDING, ROOM 555
601 KAMOKILA BOULEVARD
KAPOLEI, HAWAII 96707

December 30, 2003

Mr. Timothy E. Steinberger, P.E., Director
Department of Design and Construction
City and County of Honolulu
630 South King Street, 11th Floor
Honolulu, Hawaii 96813

PETER E. THOMAS
CHAIRMAN
BOARD OF LAND AND NATURAL RESOURCES
COMMISSIONER OF HISTORIC PRESERVATION
DAN DAVIDSON
DEPUTY DIRECTOR, LAND
ERNEST V.K. LAU
DEPUTY DIRECTOR, WATER
AGENCY MANAGER
DIVISION OF CONSTRUCTION
BUREAU OF CONSTRUCTION
COMMISSIONER AND LOCAL LAND
COMMISSIONER AND LOCAL LAND
AGENCY AND REGULATORY
PROPERTY AND REGULATION
AND HISTORIC PRESERVATION
LAND
PLANNING COMMISSION
PLANNING

LOG NO: 2003.2630
DOC NO: 0312EJ15

Dear Mr. Steinberger:

SUBJECT: Chapter 6E-8 Historic Preservation Review - Draft Environmental Assessment (DEA) for the Nimitz Highway Sewer Reconstruction at OCCC
Kalihikai, Kona, O'ahu
TIMKs: 011-2-012-002, 008, 011; 1-2-022:030

Thank you for the opportunity to comment on the DEA for this project. The DEA incorporates our earlier comments provided to the City and County (DDC) in October 2003. Our comments are adequately summarized in section 3.11 and included in full in Section 8 of the DEA. We believe that "no historic properties will be affected" by this project because of extensive disturbances in the past through urbanization of the area.

Should you have any questions, please feel free to call Sara Collins at 692-8026 or Elaine Jourdan at (808) 692-8027.

Aloha,

P. Holly McEldowney

P. Holly McEldowney, Administrator
State Historic Preservation Division

c. Mr. Gearyvive Salomonson, Director OEQC, 235 S. Beretania Street, Suite 702, Honolulu, Hawaii 96813
Johni Kauhina, Project Manager, Limitaco Consulting Group, 615 Piikoi Street, Suite 1605, Honolulu, Hawaii 96814

EJ:ak

DEPARTMENT OF DESIGN AND CONSTRUCTION

CITY AND COUNTY OF HONOLULU

660 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 523-4664 • Fax: (808) 523-4667
Web site: www.cc.honolulu.gov



JEFFREY HARRIS
MAYOR

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

WWW.P 04-0060

February 24, 2004

Ms. P. Holly McEldowney, Administrator
State of Hawaii
Department of Land and Natural Resources
Historic Preservation Division
Kakahuewa Building, Room 555
601 Kamokila Boulevard
Kapolei, Hawaii 96707

Dear Ms. McEldowney:

Subject: Draft Environmental Assessment (EA)
Nimitz Highway Sewer Reconstruction at OCCC
TIMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihikai, Oahu, Hawaii

Thank you for your letter dated December 30, 2003 completing your review of the subject Draft EA, and confirming that comments made by your agency during the pre-assessment phase have been addressed.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

Sincerely,

Timothy E. Steinberger
TIMOTHY E. STEINBERGER, P.E.
Director

PHONE (808) 594-1888



STATE OF HAWAII
OFFICE OF HAWAIIAN AFFAIRS
711 KAPOLANI BOULEVARD, SUITE 500
HONOLULU, HAWAII 96813

January 14, 2004

HRD 04-1226

FAX (808) 594-1885

JEREMY HARRIS
MAYOR



DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
850 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 522-4884 • Fax: (808) 522-4887
Web site: WWW.CCDH.HONOLULU.HI.GOV

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

WW/P 04-0061

February 24, 2004

Timothy E. Steinberger, P. E., Director
City and County of Honolulu
Department of Design and Construction
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Mr. Clyde W. Namu, Administrator
State of Hawaii
Office of Hawaiian Affairs
711 Kapiolani Building, Suite 500
Honolulu, Hawaii 96813

Dear Mr. Steinberger:

Dear Mr. Namu:

Subject: Draft Environmental Assessment (DEA)
Nimitz Highway Sewer Reconstruction at OCCC
TMK(s) 1-02-013:002,008 and 011; and 1-02-022:030
Kalihii Kai, Oahu, Hawaii

Subject: Draft Environmental Assessment (EA)
Nimitz Highway Sewer Reconstruction at OCCC
TMKs 1-02-013:002, 008, and 011; and 1-02-022:030
Kalihii Kai, Oahu, Hawaii

Thank you for the opportunity to review and comment on the above-referenced proposal. From review of the material, the Office of Hawaiian Affairs understands that due to extensive residential development and urbanization of this area it is unlikely for significant historic sites to be present.

Thank you for your letter dated January 14, 2004 completing your review of the subject Draft EA. The City and County of Honolulu Department of Design and Construction understands and acknowledges the Office of Hawaiian Affairs' emphasis on the need for mitigation and consultation should any unanticipated or unidentified cultural, historic, burial sites or items be encountered during project development. As described in the Draft EA, the proper mitigation measures and agency notification will be executed by the contractor if any cultural or historic resources are discovered during construction.

However, the Office of Hawaiian Affairs will rely on your assurances that proper mitigation and consultation shall occur should any unanticipated or unidentified cultural, historic, or burial sites or items be encountered during project development.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

Should you have any questions, please feel free to contact Pomalaloa Cox at 594-1970.

'O wau iho nō,

Clyde W. Namu
Clyde W. Namu'o
Administrator

Sincerely,

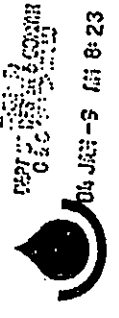
Timothy E. Steinberger
TIMOTHY E. STEINBERGER, P.E.
Director

cc: Genevieve Salmonson, Director, Office of Environmental Quality Control
John Katahira, Project Manager, the Limitaco Consulting Group

55357361 P.02

WJ

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HI 96843



04 JAN -9 AM 8:23

JANUARY 7, 2004

JERRY HARBS, Mayor
DORIS FLORES, Jr., Chairman
CHARLES A. ETTO, Vice-Chairman
JAN BILLY, At-Large
ROBERT S. KAGAWA, At-Large
DAN OUCHI, At-Large
ROBERT K. MANAUA, Esq., Clerk
LARRY A. LEONARDO, Esq., Clerk
CLIFFORD S. JAMILE, Manager and Chief Engineer
DORIS HAY K. KOTOMANG, Deputy Manager and Chief Engineer

TO: TIMOTHY E. STEINBERGER, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

FROM: *K. S. Jamile*
CLIFFORD S. JAMILE, MANAGER AND CHIEF ENGINEER

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT NIMITZ HIGHWAY
SEWER RECONSTRUCTION AT OCCC, TRK: 1-2-013: 002,
008, 011; 1-2-022: 003, NIMITZ HIGHWAY

We have the following comments:

1. The construction drawings should be submitted for our review and approval.
 2. The construction schedule should be coordinated to minimize impact to the water system.
- If you have any questions, please contact Ann Wong at 748-5440.

cc: Genevieve Salmonson, Office of Environmental Quality Control
John Natabhira, The Limtisco Consulting Group

Poster ... our greatest need - use it wisely

TOTRL P.02

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
630 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 523-4664 • Fax: (808) 523-4487
Web site: www.cc.honolulu.hi.us



JERRY HARBS
MAYOR

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

February 24, 2004
WTV.P 04-0068

TO: MR. CLIFFORD S. JAMILE, MANAGER AND CHIEF ENGINEER
BOARD OF WATER SUPPLY

Eugene C. Steinberger

FROM: MR. TIMOTHY E. STEINBERGER, P.E. DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA)
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TRKs 1-02-013:002, 008, and 011; and 1-02-022:030
KALHIKAL OAHU, HAWAII

Thank you for your letter dated January 7, 2004 completing your review of the subject Draft EA. Your comments regarding the submission of construction drawings for Board of Water Supply review and the coordination of the construction schedule to minimize impacts to the water system will be incorporated into the Final EA.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-3398.

DEPARTMENT OF PARKS AND RECREATION
CITY AND COUNTY OF HONOLULU
KAPOLI VALLE, 1000 LUAKA STREET, 5TH FLOOR, HONOLULU, HAWAII 96807
Phone: (808) 622-5962 • FAX: (808) 611-8131 • Internet: www.dobooks.hawaii.gov



JEREMY HARRIS
MAYOR

WILLIAM D. BALFOUR, JR.
DIRECTOR

EDWARD T. "BOBBY" DIAZ
DEPUTY DIRECTOR

December 31, 2003

TO: TIMOTHY E. STEINBERGER, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

FROM: WILLIAM D. BALFOUR, JR., DIRECTOR

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (DEA)
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TMS 1-02-013:002, 008 AND 011; AND 1-02-022:030
KALIHU KAI, OAHU, HAWAII

Thank you for the opportunity to review and comment on the Draft Environmental Assessment relating to the Nimitz Highway Sewer Reconstruction at OCCC.

The Department of Parks and Recreation has no comment on the DEA. As the proposed improvements will not affect any facility or program of this department, you can remove us from the list of consulted parties for the balance of the EIS process.

Should you have any questions, please contact Mr. John Reid, Planner, at 692-5454.

W.D. Balfour, Jr.
WILLIAM D. BALFOUR, JR.
Director

WDB:ea
(45439)

cc: Ms. Genevieve Salmonson, Director, Office of Environmental Quality Control
Mr. John Karahira, Project Manager, The Limitaco Consulting Group

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 822-4664 • FAX: (808) 822-4667
WWW.DDC.HONOLULU.HI



JEREMY HARRIS
MAYOR

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

WW.P 04-0064

February 24, 2004

TO: MR. WILLIAM D. BALFOUR, JR. DIRECTOR
DEPARTMENT OF PARKS AND RECREATION

FROM: *Signature* MR. TIMOTHY E. STEINBERGER, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA)
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TMS 1-02-013:002, 008, and 011; and 1-02-022:030
KALIHU KAI, OAHU, HAWAII

Thank you for your letter dated December 31, 2003 completing your review of the subject Draft EA and concluding that your agency has no comments regarding the proposed project. Per your request, we will remove your agency from the list of consulted parties for the remainder of the environmental review process.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET • HONOLULU, HAWAII 96813
TELEPHONE: (808) 523-4414 • FAX: (808) 527-5743 • INTERNET: WWW.CC.HONOLULU.HI



JEREMY HARRIS
MAYOR

ERIC G. CRISPIN, AIA
DIRECTOR

BARBARA KIM STANTON
DEPUTY DIRECTOR

2003/HELOG-3869 (MH)

January 23, 2004

TO: TIMOTHY E. STEINBERGER, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

FROM: ERIC G. CRISPIN, AIA, DIRECTOR *Eric G. Crispin*
DEPARTMENT OF PLANNING AND PERMITTING

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TMKS 1-2-013, 002, 008, & 011; AND 1-2-022: 030, KALIHI KAI, OAHU

In response to your request for comments of December 18, 2003, we have reviewed the subject DEA and acknowledge satisfactory response to our previous comments of October 16, 2003, on the Pre-Assessment document.

Should you have any questions, please contact Matt Higashida of our staff at 527-6056.

EGC:js

cc: Office of Environmental Quality Control
The Limitaco Consulting Group

P:\Dr-Function\EA-03-2003\Nimitz Highway Sewer Reconstruction at OCCC DEA.doc

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 523-4664 • Fax: (808) 523-4667
Web site: WWW.CC.HONOLULU.HI



JEREMY HARRIS
MAYOR

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

February 24, 2004

WW.P 04-0062

TO: MR. ERIC G. CRISPIN, AIA, DIRECTOR
DEPARTMENT OF PLANNING AND PERMITTING

FROM: *Eric G. Crispin*
MR. TIMOTHY E. STEINBERGER, P.E. DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA)
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TMKS 1-02-013-002, 008, and 011; and 1-02-022-030
KALIHI KAI, OAHU, HAWAII

Thank you for your letter dated January 23, 2004 completing your review of the subject Draft EA, and confirming that comments made by your agency during the pre-assessment phase have been addressed.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU
860 SOUTH KING STREET, 7TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 523-4114 • Fax: (808) 527-4743
Web site: www.cc.hawaii.gov



JEREMY HARRIS
Mayor

ERIC G. CRISP, AA
Deputy Mayor
BARBARA KALANTOZ
Deputy Mayor

04WWB010 (SG)

January 22, 2004

MEMORANDUM

TO: TIMOTHY E. STEINBERGER, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

FROM: *Dennis M. Nishimura*
DENNIS M. NISHIMURA
WASTEWATER BRANCH
DEPARTMENT OF PLANNING AND PERMITTING

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (DEA)
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TMK: 1-2-013: 002, 008, 011; 1-2-022: 030

This is in response to your letter dated December 18, 2003 requesting comments for the proposed sewer reconstruction project DEA. We have reviewed the DEA and have no comments. The proposed project will reroute and rehabilitate existing municipal sewer lines and manholes within State of Hawaii-owned and private properties.

If you have any questions, please contact Mr. Scott Gushi of the Wastewater Branch at 523-4886.

DMN:dl
(7/157)

cc: Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

✓ Mr. John Katabira, Project Manager
The Limniaco Consulting Group
615 Piikoi Street, Suite 1605
Honolulu, Hawaii 96814

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
860 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 523-4884 • Fax: (808) 523-4887
Web site: www.cc.hawaii.gov



JEREMY HARRIS
Mayor

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

WW.P 04-0063

February 24, 2004

TO: MR. DENNIS M. NISHIMURA
DEPARTMENT OF PLANNING AND PERMITTING
WASTEWATER BRANCH

FROM: *Dennis M. Nishimura*
MR. TIMOTHY E. STEINBERGER, P.E. DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA)
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TMKs 1-02-013-002, 008, and 011; and 1-02-022-030
KALHI KAI, OAHU, HAWAII

Thank you for your letter dated January 22, 2004 completing your review of the subject Draft EA and concluding that your agency has no comments regarding the proposed project.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

FIRE DEPARTMENT
CITY AND COUNTY OF HONOLULU
3373 KONAVALA STREET, SUITE 300, HONOLULU, HAWAII 96819-1949
TELEPHONE: (808) 831-7711 • FAX: (808) 831-7700 • INTERNET: WWW.HONOLULU.HI

JEREMY HARRIS
SAFETY DIVISION



ATTILIO K. LEONARDI
FIRE CHIEF
#8071 FIRE DIVISION

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
850 SOUTH KONO STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 833-4864 • Fax: (808) 833-4887
Web Site: WWW.DC.HONOLULU.HI

JEREMY HARRIS
SAFETY DIVISION



TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

January 15, 2004

TO: TIMOTHY E. STEINBERGER, P. E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION
ATTENTION: SUNG HO LAI, CIVIL ENGINEER
WASTEWATER DIVISION

FROM: ATTILIO K. LEONARDI, FIRE CHIEF
SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TAX MAP KEYS: 1-2-013: 002, 008, AND 011; 1-2-022: 030
KALUHI KAI, OAHU, HAWAII

We received your letter dated December 18, 2003, requesting our review and comments on the above-mentioned project.

The Honolulu Fire Department requires that the following be complied with for the duration of the project:

1. Maintain fire apparatus access throughout the construction site.
2. Notify the Fire Communication Center at 523-4411 of any interruption in the existing fire hydrant system.

Should you have any questions, please call Battalion Chief Lloyd Rogers of our Fire Prevention Bureau at 831-7778.

ATTILIO K. LEONARDI
Fire Chief

AKL/SK:hh

cc: Genevieve Salomonson, Director, Office of Environmental Quality Control
John Katsuhira, Project Manager, The Limitaco Consulting Group

February 24, 2004

WW, P 04-0066

TO: MR. ATTILIO K. LEONARDI, FIRE CHIEF
FIRE DEPARTMENT

FROM: *Eugene*
for MR. TIMOTHY E. STEINBERGER, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA)
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TAX MAP KEYS: 1-02-013:002, 008, and 011; and 1-02-022:030
KALUHI KAI, OAHU, HAWAII

Thank you for your letter dated January 15, 2004 completing your review of the subject Draft EA. The Honolulu Fire Department requirements as listed in your comment letter will be incorporated into the Final EA and complied with for the duration of the project.

We appreciate your interest and participation in the Draft EA, public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

POLICE DEPARTMENT
CITY AND COUNTY OF HONOLULU
203 SOUTH HERTZBERG STREET
HONOLULU, HAWAII 96815 - AREA CODE (808) 528-3111
<http://www.honolulu.org>
www.cc.honolulu.hi.us

JEREMY HARRIS
MAYOR



LEE D. DONOHUE
CHIEF
GLENN R. KAJIYAMA
PAUL D. PUTZLHU
DEPUTY CHIEFS

OUR REFERENCE CS-KP

January 12, 2004

TO: TIMOTHY E. STEINBERGER, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

FROM: LEE D. DONOHUE, CHIEF OF POLICE
HONOLULU POLICE DEPARTMENT

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (DEA), NIMITZ HIGHWAY SEWER
RECONSTRUCTION AT OCCC, TMS 1-02-013: 002, 008, AND 011; AND
1-02-022, 030

Thank you for the opportunity to review and comment on the subject project.
Provided that the project is to proceed as proposed in the DEA, it should have minimal impact
on the services of the Honolulu Police Department.

If there are any questions, please call Captain Clayton Saito of District 5 at 842-7737 or
Ms. Carol Sodekani of the Support Services Bureau at 529-3658.

LEE D. DONOHUE
Chief of Police

By: *Karl Godsey*
KARL GODSEY
Assistant Chief of Police
Support Services Bureau

cc: Ms. Genevieve Salmonson (OEQC)
Mr. John Katahira (The Lintaco
Consulting Group)

Serving and Protecting with Aloha

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
850 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 523-4364 • Fax: (808) 523-4487
Web Site: www.cc.honolulu.hi.us



JEREMY HARRIS
MAYOR

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

February 24, 2004

WV.P 04-0067

TO: MR. LEE D. DONOHUE, CHIEF OF POLICE
POLICE DEPARTMENT

FROM: *Timothy E. Steinberger*
MR. TIMOTHY E. STEINBERGER, P.E. DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA)
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TMS 1-02-013:002, 008, and 011; and 1-02-022:030
KALHIKAL OAHU, HAWAII

Thank you for your letter dated January 12, 2004 completing your review of the subject Draft
EA and confirming that the Honolulu Police Department anticipates minimal impact to police
service due to project development.

We appreciate your interest and participation in the Draft EA public review phase of the
environmental review process. Your letter, along with this response, will be included in the
forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the
Wastewater Division at 527-5398.

DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET, 3RD FLOOR • HONOLULU, HAWAII 96813
TELEPHONE: (808) 522-4121 • FAX: (808) 522-4720 • INTERNET: www.hawaii.gov



JEREMY HARRIS
MANAGER

CHERYL D. SOON
DIRECTOR
GEORGE W. KIMURA
FOURTH DIRECTOR

TP12/03-45441R

January 23, 2004

MEMORANDUM

TO: TIMOTHY E. STEINBERGER, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

FROM: CHERYL D. SOON, DIRECTOR

SUBJECT: NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC

In response to your December 18, 2003 letter, we have reviewed the draft environmental assessment for the subject project. The following comments are the result of this review:

1. The project location as shown in Figure 1 is incorrect.
2. The Department of Transportation Services comments dated November 4, 2003 regarding jurisdiction of roadways, traffic signal detector loop replacement and inclusion of a traffic plan have not been addressed.

Should you have any questions regarding these comments, please contact Faith Miyamoto of the Transportation Planning Division at Local 6976.

cc: Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control

✓ Mr. John Katabira, Project Manager
The Limitiaco Consulting Group

Cheryl D. Soon
CHERYL D. SOON

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 522-4564 • Fax: (808) 522-4567
Web site: www.cc.hawaii.gov



JEREMY HARRIS
MANAGER

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

WW.P 04-0065

February 24, 2004

TO: MS. CHERYL SOON, DIRECTOR
DEPARTMENT OF TRANSPORTATION SERVICES

FROM: *Eugene CD*
MR. TIMOTHY E. STEINBERGER, P.E. DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA)
NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
TMS 1-02-013-002, 008, and 011; and 1-02-022-030
KALIHIKAL OAHU, HAWAII

Thank you for your letter dated January 23, 2004 completing your review of the subject Draft EA. We offer the following in response to your comments:

1. Figure 1 will be revised to reflect the location of the project site.
2. The Department of Transportation Services comments dated November 4, 2003 regarding the jurisdiction of roadways and a traffic plan are addressed in Section 3.13.1 of the Draft EA. The proposed spot repair and installation of a temporary sewer by-pass are not anticipated to affect the traffic signal detector loop on Nimitz Highway, however, should construction activity disturb the signal detectors, they will be replaced to match existing.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

U 4 - D 1 9 1 2
 DEPARTMENT OF DESIGN AND CONSTRUCTION
 CITY AND COUNTY OF HONOLULU
 850 SOUTH KING STREET, 11TH FLOOR
 HONOLULU, HAWAII 96813
 Phone: (808) 823-4684 • Fax: (808) 823-4687
 Web site: www.cc.honolulu.hi.us



JEREMY HARRIS
 MAYOR



TIMOTHY E. STEINBERGER, P.E.
 DIRECTOR

WW.P 04-0069

February 24, 2004

95967361 P. 02
 HAWAIIAN ELECTRIC COMPANY, INC. • PO Box 2760 • Honolulu, HI 96840-0001
 04 FEB 12 PM 2:15 PM '04
 WJ

February 8, 2004

Mr. Timothy E. Steinberger, P.E.
 Director - Dept. of Design & Construction
 City & County of Honolulu
 850 S. King Street - 11th Floor
 Honolulu, HI 96813

Dear Mr. Steinberger:

Re: Nimitz Highway Sewer Reconstruction at OCCC
 TMKs 1-02-013-002, 008 & 011 and 1-02-022-030
 Kalihi Kai, Oahu

Thank you for the opportunity to comment on the above-referenced project. We have reviewed the December 2003 DEA and feel that our concerns were sufficiently covered in the pre-assessment consultation.

HECO reserves the opportunity to further comment on the protection of existing powerlines and electric power facilities that may be affected by the project until construction plans are finalized.

Again, thank you for the opportunity to comment on this project.

Sincerely,

 Kirk S. Tomita
 Senior Environmental Scientist



WINNER OF THE EDISON AWARD
 FOR DISTINGUISHED INDUSTRY LEADERSHIP

TOTAL P. 02

Mr. Kirk S. Tomita, Senior Environmental Scientist
 Hawaiian Electric Company Inc.
 P.O. Box 2750
 Honolulu, HI 96840-0001

Dear Mr. Tomita:

Subject: Draft Environmental Assessment (EA)
 Nimitz Highway Sewer Reconstruction at OCCC
 TMKs 1-02-013-002, 008, and 011; and 1-02-022-030
 Kalihi Kai, Oahu, Hawaii

Thank you for your letter dated February 9, 2004 completing your review of the subject Draft EA and concluding that the comments submitted by Hawaiian Electric Company during the pre-assessment review phase are sufficiently addressed in the document.

We appreciate your interest and participation in the Draft EA public review phase of the environmental review process. Your letter, along with this response, will be included in the forthcoming Final EA. Should you have any questions, please contact Mr. Sung Ho Lai of the Wastewater Division at 527-5398.

Sincerely,

TIMOTHY E. STEINBERGER, P.E.
 Director

8.3. Final EA Consultation

The following agencies and interested parties will be consulted during the public review period of the Final EA.

State of Hawaii

- Department of Accounting and General Services
- Department of Health (3 copies)
- Department of Health, Office of Environmental Quality Control (4 copies)
- Department of Land and Natural Resources (5 copies)
- Department of Land and Natural Resources, Historic Preservation Division
- Department of Public Safety
- Department of Transportation
- Office of Hawaiian Affairs
- Senator Suzanne Chun Oakland, 13th Senatorial District
- Representative Felipe P. Abinsay, Jr., 29th Representative District

City and County of Honolulu

- Board of Water Supply
- Department of Planning and Permitting (5 copies)
- Department of Facility Maintenance
- Department of Transportation Services
- Department of Environmental Services
- Fire Department
- Police Department
- Councilman Romy Cachola, District 7
- Kalihi-Palama Neighborhood Board No. 15

Utilities

- Verizon Hawaii, Inc.
- Hawaiian Electric Company Inc.
- Oceanic Time Warner Cable
- The Gas Company

Other Interested Parties

- Continental Mechanical of the Pacific/FBS Hawaii
- Honolulu Limited
- Hy-Pac Self Storage
- KHNL-TV/KFVE-TV

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9. REFERENCES

Macdonald, Gordon A., et al. *Volcanoes in the Sea, The Geology of Hawaii, Second Edition*. 1986.

Stearns, Harold T. *Geology of the State of Hawaii, Second Edition*. 1985.

U.S. Department of Agriculture, Soil Conservation Service, in cooperation with the University of Hawaii Agricultural Station. *Soil Survey of the Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii*. August 1972.

U.S. Federal Emergency Management Agency. *Flood Insurance Rate Map, Map Number 15003C0353E*. November 20, 2000.

The Limtiaco Consulting Group. *Nimitz Highway Sewer Reconstruction at OCCC, Project #02028, Contract Number F87372*. Prepared for the City and County of Honolulu Department of Design and Construction, Wastewater Division. July 2002.

The Limtiaco Consulting Group. *Nimitz Highway Sewer Reconstruction at OCCC, Design Alternatives Report, Part II, Design Alternatives Study, Project #02028, Contract Numbers F87372 and F87372(A)*. Prepared for the City and County of Honolulu Department of Design and Construction, Wastewater Division. August 2003.

Wilson Okamoto & Associates, Inc. *Final Environmental Assessment, Hart Street Wastewater Pump Station Force Main Replacement, Honolulu, Hawaii*. Prepared for the City and County of Honolulu Department of Wastewater Management. October 1996.

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**APPENDIX A
PRELIMINARY CORRESPONDENCE**

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MEETING MINUTES

12008: DDC - Nimitz Highway Sewer Reconstruction at OCCC
Mechanical Continental

October 4, 2002
1:30 to 2:10 pm

Participants: Sid Tsutsul (HRT, Ltd - owner representative), Sam Fujikawa (Continental Mechanical (CM)), Jay Hamai (CCH-DDC), Sung Ho Lal (CCH-DDC), and John Katahira (The Lunitaco Consulting Group)

Purpose: To present an overview of the project and discuss the preferred route alternative issues with the affected property owner (HRT) and tenant (CM).

1. Introduction
 - Owner Representative & Tenant
 - City & County of Honolulu, Department of Design and Construction, Wastewater Division
 - Consultant
2. This project was born from the following sewer-related problems
 - Structural and maintenance problems were identified within the S103BA2002 and S103AA2006 sewer segments.
 - Wastewater flow calculations suggest sewer surcharge at certain segments of this sewer line. The problem is expected to worsen with the added (diverted) flow from the Kaihi Stream Sewer Line Relocation (Bannister Place - Laumaka Street Sewer Line Realignment) project.
 - Sewer runs directly below the building footprint making sewer maintenance very difficult.
3. How will this project affect CM?
 - Topographic and geotechnical surveys will begin after the City provides authorization. The geotechnical survey will consist of approximately three borings along the preferred route alternative. Boring equipment is expected create obstacles to CM's operation. The best we can do is to avoid their peak times (early morning and late afternoon).
 - The construction method of relocated line will be either open trench & "near trenchless" technologies. The Design Alternatives Study will determine the preferred construction method. TLCG expects to begin this study approximately two months from now, with its completion date around April 2003. Continental Mechanical stated that open trenching through the driveway would essentially shut down their business. HRT wants the least possible disturbance to their tenant.
 - Possible cut and plug of the existing (soon to be abandoned) sewer line means discontinued service of the existing sewer segment. Plugging the existing line with grout may be required to prevent the existing line from collapsing.
 - The preferred route will require a new easement agreement.

MEETING MINUTES

12008: DDC - Nimitz Highway Sewer Reconstruction at OCCC
Mechanical Continental

October 4, 2002
1:30 to 2:10 pm

4. Where to go from here
 - Topographic and geotechnical surveys will be coordinated with CM so as to minimize disturbance to its business operation. Further, TLCG will request a meeting with Hy-Pac Self Storage management to inform them of this project and coordination involvement.
 - TLCG to move forward (upon City notification) with Design Alternatives Study to determine the preferred method of construction.
 - Communication plan: All emails will be sent to Sid (HRT) - John to call Sid first as notification with CC to Sung Ho (City). Sid will then forward the email to Sam (CM). John may make phone calls directly to Sam (in the interest of saving time), and John will also give Sid a courtesy call.
5. During a site walk of the CM property the following items were identified:
 - CM has two live laterals (one at the northeast corner, the other in the front-center of the building).
 - CM uses a piping system connected to septic tank for other non-lateral sewer connections. This piping can be seen on the west side of the CM building.
 - The CM storage area on the west side of the driveway is leased from Hy-Pac.
 - TLCG to consider relocating the proposed new manhole further towards Nimitz Highway so as not to shut down the intersection of the CM and Hy-Pac driveways.
 - CM subleases out the parking lot on the Nimitz side of Puuhale Place.
 - It was suggested, but not determined, that Puuhale Place is a private road owned by the Weinberg Foundation.

2:10 am - Meeting adjourned.



April 30, 2003

Ms. Joanne Izumi
Department of Transportation
Highway Right-of-Way Branch
Property Management Division
601 Kamohila Boulevard, Room 691
Kapolei, Hawaii 96707

RE: City and County of Honolulu – Nimitz Highway Sewer Reconstruction at OCCC

Dear Ms. Izumi:

The Limitaco Consulting Group is currently performing planning services for the City and County of Honolulu's Department of Design and Construction (design services will be performed in 2004). The project scope is to recommend a preferred construction method to replace an existing 16" sanitary sewerline that crosses Nimitz Highway (see attached figure). According to our records, the City does not own an easement for the sewerline crossing at Nimitz Highway.

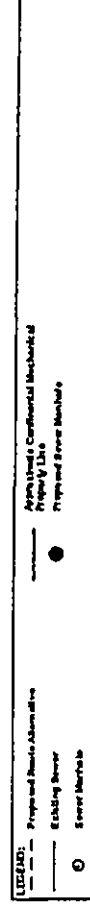
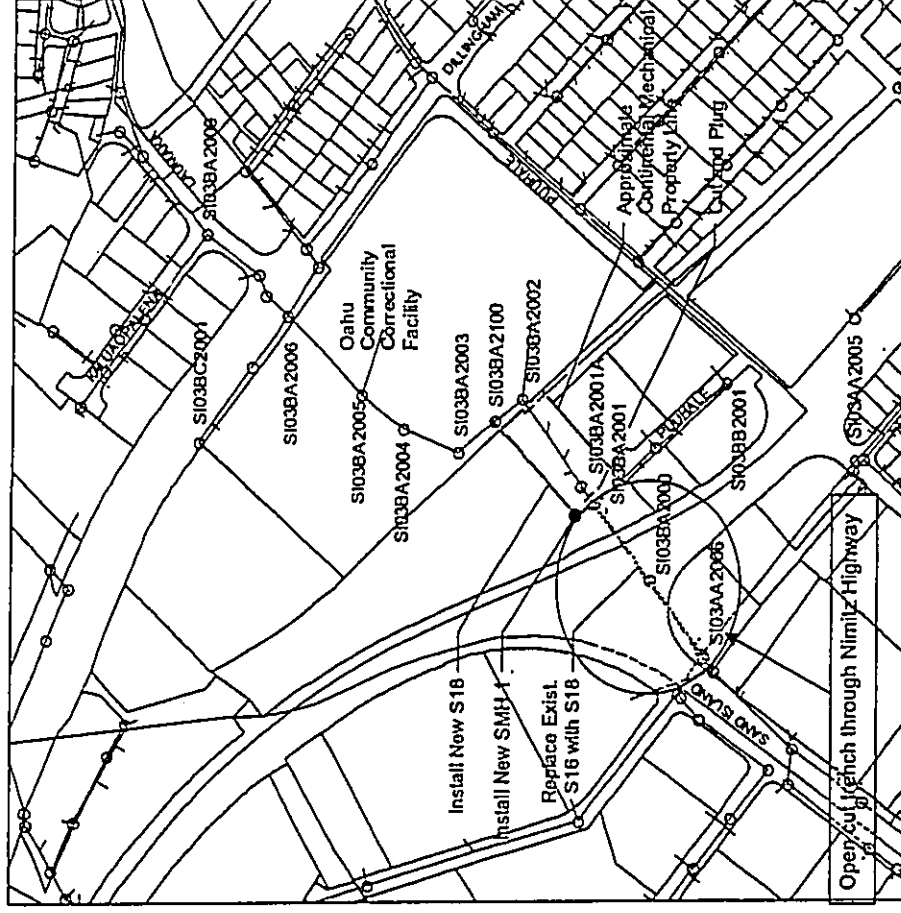
The existing sewerline is made of terra cotta material and is located approximately 13 feet below the surface. The new sewerline will be of similar depth, but will be upsized to 18". The pipe material will be determined based on the recommended construction method.

During the project planning services, we evaluated various trenchless methods and would now like to evaluate the feasibility of open cut trench across Nimitz Highway. The construction work would be performed at night and the exposed trench will be covered with steel plates during non-construction hours. We anticipate two trenches: (1) approximately 15 feet deep for sewerline replacement, and (2) approximately 6 feet deep for sewerline bypass. We would like to know if DOI would approve open cut trenching across Nimitz Highway. This decision enables us to further evaluate this method of construction.

Again, we are thoroughly considering trenchless construction methods but feel obligated to review the feasibility of open cut trenching through Nimitz Highway. Please feel free to contact me with any questions or if you require additional information.

Sincerely,
The Limitaco Consulting Group

John H. Kawaiira
Project Manager



City & County of Honolulu
Department of Design & Construction

NIMITZ HIGHWAY SEWER RECONSTRUCTION AT OCCC
THM 1-2 #13
ALTERNATIVE 1
Figure 4
Western Division Planning
Date: July 2002

SCALE: 1" = 300'

DEPARTMENT OF DESIGN AND CONSTRUCTION

CITY AND COUNTY OF HONOLULU

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JEREMY HARRIS
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September 5, 2003

WW.CS.03-112

Mr. Keith Kawako, Office Manager
State of Hawaii

Department of Health
Hazard Evaluation and Emergency Response Office
919 Ala Moana Boulevard, Room 206
Honolulu, Hawaii 96814

Dear Mr. Kawako:

Subject: Request for Information on Contaminated Soils

Our department will soon begin design for the installation of approximately 400 lf. of 18-inch diameter sewer line in an area of potentially contaminated soils in the vicinity of Nimitz Highway and Sand Island Access Road, and request your assistance in answering the following questions as it relates to subsurface contamination:

- Is the attached GUIDANCE FACT SHEET FOR USE WHEN PETROLEUM CONTAMINATION IS ENCOUNTERED DURING SUBSURFACE SOIL EXCAVATION, dated December 1996, the most recent revision? If not, can you please provide us with the most updated version?
- If contaminated soil is encountered during trench excavation, does the SDOH still allow the contaminated material to be used as backfill material as stated in Paragraph 7 of the December 1996 Guidance Fact Sheet which states, "Excavated soils may be stored under cover and redeposited into an excavation provided that a cover of clean soil or a cap of asphalt or concrete is provided once the work has been completed."
- If contaminated groundwater is encountered during dewatering of the trench, can the groundwater be pumped directly into an adjacent trench without treatment?

Answers to these questions will help us in determining the most appropriate construction method to be used for this upcoming project. We appreciate your assistance.

Should you have any questions, please call Glenn Okita at 527-5829.

Very truly yours,

TIMOTHY E. STEINBRÄGER, P.E.
Director

Attachment

cc: Mr. John Katabira, The Limiaco Consulting Group (w/attach)
Mr. Sung Ho Lai, DDC, WW, Planning Branch (w/attach)

GUIDANCE FACT SHEET FOR USE WHEN PETROLEUM CONTAMINATION IS
ENCOUNTERED DURING SUBSURFACE SOIL EXCAVATION

Hawaii State Department of Health
December 1996

PURPOSE: To provide guidance and assist in facilitating the completion of construction projects which will benefit the public at large in Hawaii whenever petroleum or petroleum contamination is encountered. These guidelines apply to all construction projects which involve the excavation of soils. These guidelines do not apply to excavations associated with underground storage tank (UST) removals.

GUIDELINES: The Department of Health (DOH) Hazard Evaluation and Emergency Response (HEER) Office recommends that project managers follow these basic guidelines:

1. Upon discovery of petroleum or petroleum contamination, a determination needs to be made on the flammability of the petroleum contaminant. A Combustible Gas Indicator is recommended to determine the hazard conditions and the levels measured should not be above the Lower Explosive Limit (LEL). If the petroleum contamination places an endangerment to the health and welfare of onsite workers or the nearby public due to the flammable/explosive potential, then appropriate measures must be taken based on an Emergency Response Plan and the following steps do not apply until the site is deemed to be safe and the HEER Office must be notified immediately.
2. The exact location(s) of the petroleum encounter must be reported. The extent of the contamination determined during the project needs to be mapped. The location may be determined by either surveying by a licensed surveyor or the use of a Global Positioning System (GPS) unit which provides latitude and longitude. The latitude and longitude of the contaminated area should be submitted to the DOH. If a GPS unit is used, it should be accurate to within 25 feet of the actual position. At a minimum a detailed map showing the area of encountered petroleum in the project area should be submitted to the HEER Office upon completion of the project.
3. The HEER Office must be notified immediately after discovery of the contamination. The information provided should be sufficient to complete the Notification Form (Attachment A). This notification may be reported by the facility operator, landowner, or the project manager. If the project is being conducted by a party other than the landowner, then a separate notification needs to be made to the landowner to

allow them to determine their liability and the next course of action.

Encounters with petroleum during excavation work will normally be with free floating product, contaminated soil and/or a sheen on surface water. Based on this, the reportable quantity for the purpose of this guidance will be defined as:

- a) Any amount of oil which when released into the environment causes a sheen to appear on surface water, or any navigable water of the state;
- b) Any free product that appears on ground water; and
- c) Any amount of oil released to the environment which is not contained and remedied within 72 hours. This criteria requires that even petroleum-stained soil encountered during excavation work be reported unless remedied.

Failure to notify the HEER Office of a release is subject to a civil penalty not to exceed \$10,000 for each day of failure to report. Notifications may be made to the HEER Office at (808) 586-4249 during working hours or to (808) 247-2191 during non-business hours. Information on the extent of the contamination (i.e. maps) may be submitted at a later date.

4. If free-floating petroleum product is encountered during the project, as much of the product as possible should be recovered and either reused or disposed of accordingly.
5. If the project activity undertaken requires dewatering, then any contaminated ground water removed must be treated, stored, or disposed of in accordance with all applicable local, State and Federal requirements. Oil/water separation may be considered the minimum effort to be taken if dewatering operations occur.
6. The project may be continued to completion with appropriate air monitoring initiated according to a Health and Safety Plan which should address exposure issues and be followed in accordance with applicable occupational safety and health regulations.
7. Petroleum contaminated soil should be removed and segregated from clean soils. The contaminated soils must be treated, stored or disposed of in accordance with all applicable State and Federal requirements or policies. Excavated soils may be stored under cover and redeposited into an excavation

provided that a cover of clean soil or a cap of asphalt or concrete is provided once the work has been completed. Contaminated soil that cannot be used as fill material will need to be treated and/or disposed of according to applicable local and State requirements. These guidelines do no absolve the property owner of liability for the contamination when the redeposition option is taken. When deciding whether to redeposit contaminated soil, the time saved by preceeding with the project immediately should be weighed against the possible increase in cost caused by deferring remedial action to a later date. A HEER Office Technical Guidance Manual (TGM) provides guidance for conducting a remedial action.

8. Detailed records should be maintained of all investigative work and clean up activities conducted. Copies of these reports should be submitted to the HEER Office.

These guidelines are consistent with DOE's long-term cleanup goals and are considered minimal measures for abating releases that do not pose an imminent or substantial threat to public health and the environment. If there is an imminent and substantial threat, then appropriate emergency response measures must be taken. Be advised that if redeposition of contaminated soil is chosen in order to continue with a project, this does not absolve any party from liability should the actions taken exacerbate potential health and environmental threats. In cases where a site assessment and evaluation is to be conducted, the HEER Office TGM is available to interested parties.