CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

No. 14-165

RESOLUTION

GRANTING A SPECIAL MANAGEMENT AREA USE PERMIT FOR THE COCONUT ISLAND INFRASTRUCTURE REHABILITATION AND REPLACEMENT PROJECT.

WHEREAS, the Department of Planning and Permitting (DPP) on May 19, 2014, accepted an application from the Hawaii Institute of Marine Biology, herein referred to as the "Applicant," for a Special Management Area Use Permit (SMP) and a Shoreline Setback Variance (SV) to construct the high priority elements of the Coconut Island Infrastructure Rehabilitation and Replacement Project, which include the installation of a new wastewater force main, communication, electrical, and water lines connecting the Coconut Island research facility with the Lilipuna Pier site via horizontal directional drilling; the rerouting of a wastewater gravity main via conventional open trenching, at the north end of Coconut Island; and the replacement of Coconut Island wastewater pumps and wet well repair near the East Lagoon, located on land zoned R-10 Residential District and P-1 Restrictive Preservation District, located at 46-007 Lilipuna Road and Kaneohe Bay; identified by Tax Map Keys 4-6-1: 1, 15, 16, 17, and 51; Reference Number 2014/SMA-23 and 2014/SV-4;

WHEREAS, on June 13, 2014, the DPP held a public hearing which was attended by five representatives of the Applicant and one member of the public; public testimony was offered by one member of the public at the hearing; and

WHEREAS, on July 14, 2014, within 20 working days after the close of the public hearing, the DPP, having duly considered all evidence and the review guidelines as established in Sections 25-3.1 and 25-3.2, Revised Ordinances of Honolulu (ROH), and Sections 23-1.8 and 23-1.9, ROH, and Sections 205A-2 and 205A-26, Hawaii Revised Statutes (HRS), completed its report and transmitted its findings and recommendation of approval to the Council; and

WHEREAS, the City Council, having received the findings and recommendation of DPP on JUL 14 2014, and its meeting of _____, having duly considered all of the findings and reports on the matter, approved the subject applications for an SMP and SV with the conditions enumerated below; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu that an SMP and SV be issued to the Applicant subject to the following conditions:

A. Construction on the Coconut Island Infrastructure Rehabilitation and Replacement Project (Project) shall be in general conformity as described in the Report and

Recommendation by the Director of the DPP, and as depicted on Exhibits A through N, attached hereto. Any change in the size or nature of the Project which has a significant effect on coastal resources addressed in Chapters 23 and 25, ROH and Chapter 205-A, HRS, shall require a new SMP and SV. Any change which does not have a significant effect on coastal resources shall be considered a minor modification and therefore permitted under this resolution, upon review and approval by the Director of the DPP.

B. Prior to issuance of development permits, the Applicant shall provide the DPP with written confirmation that an Archaeological Monitoring Plan has been prepared for the Project, and has been accepted by the State Historic Preservation Division (SHPD). Furthermore, if, during construction, any previously unidentified archaeological sites or remains (such as artifacts, shell, bone, or charcoal deposits, human burials, rock or coral alignments, paving, or walls) are encountered, the Applicant shall stop work and contact the SHPD immediately. And, in such case, work in the immediate area shall be stopped until SHPD is able to assess the impact and make further recommendations for mitigative activity.

C. Prior to issuance of development permits, the Applicant shall submit to the DPP for review and approval, landscape and irrigation plans, and a color palate to mitigate the visual impact of the terraced retaining walls at the Lilipuna Pier site. The Applicant shall also submit photographs showing the installation of the approved landscaping within 90 days of the completion of the facility.

D. Artificial light from exterior lighting fixtures, including, but not necessarily limited to floodlights, uplights, or spotlights used for decorative or aesthetic purposes, shall be prohibited if the light directly illuminates or directly projects across property boundaries toward the shoreline and ocean waters, except as may otherwise be permitted pursuant to Section 205A-71(b), HRS.

E. Approval of this SMP and SV does not constitute compliance with other governmental requirements. They are subject to separate review and approval. The Applicant shall be responsible for ensuring that the final plans for the Project approved under this permit comply with all applicable governmental agencies' provisions and requirements.

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

No. 14-165

RESOLUTION

BE IT FINALLY RESOLVED by the Council of the City and County of Honolulu that the Clerk be and is directed to transmit copies of this Resolution to Derek Mukai, Community Planning and Engineering, Inc., 1286 Queen Emma Street, Honolulu, Hawaii 96813; Jo-Ann Leong, Director, Hawaii Institute of Marine Biology, P.O. Box 1346, Kaneohe, Hawaii 96744; Stephen Meder, Assistant Vice-Chancellor, University of Hawaii Foundation, Hawaii Hall 307, 2500 Campus Road, Honolulu, Hawaii 96822; George I. Atta, Director of the Department of Planning and Permitting, 650 South King Street, 7th Floor, Honolulu, Hawaii 96813; Alan Downer, Administrator, State Historic Preservation Division, Department of Land and Natural Resources, 601 Kamokila Boulevard, Room 555, Kapolei, Hawaii 96707; and Leo R. Asuncion, Jr., Acting Director of the Office of Planning (Attention: Coastal Zone Management Branch), P.O. Box 2359, Honolulu, Hawaii 96804.

INTRODUCED BY:

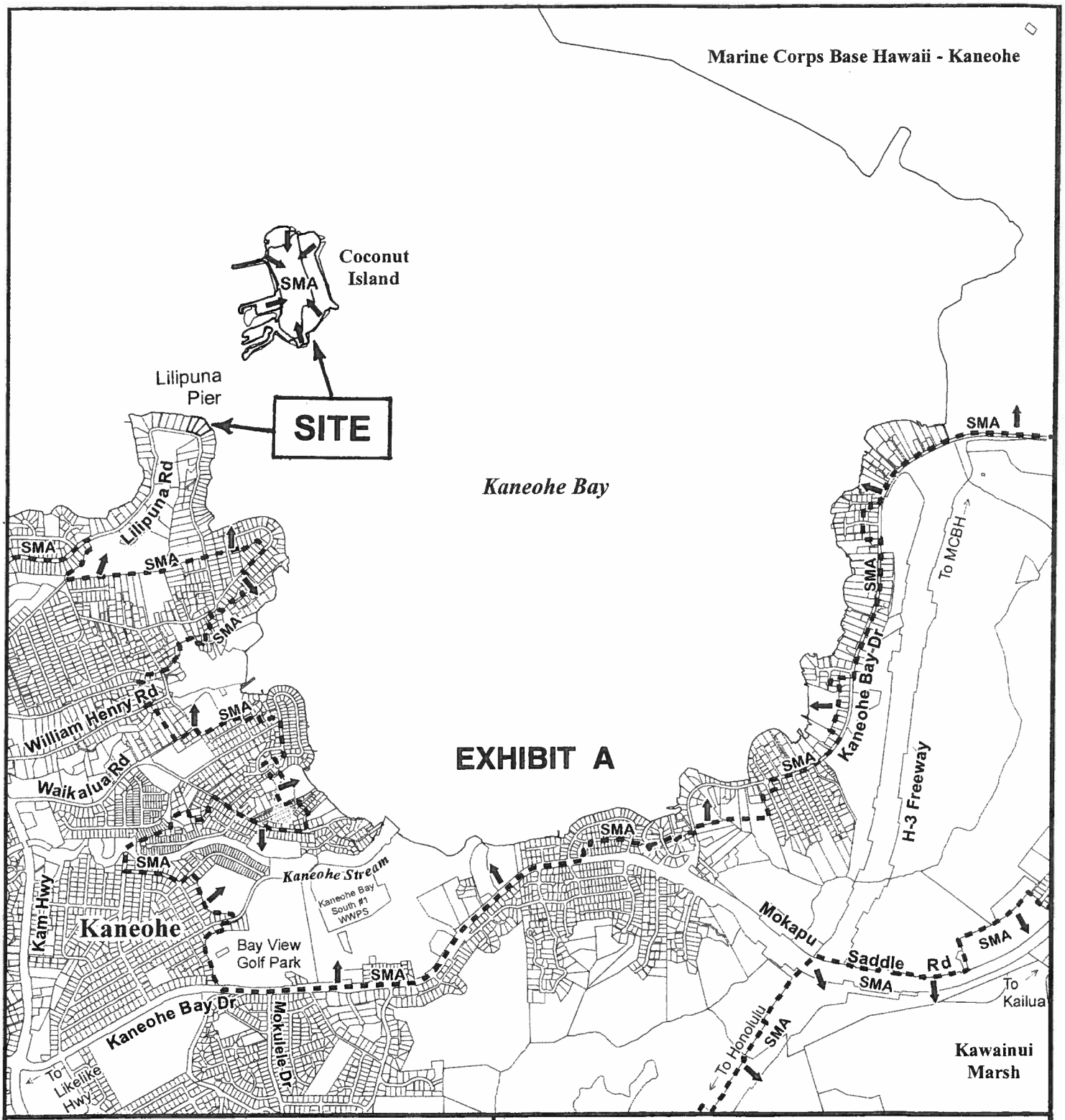
(br)

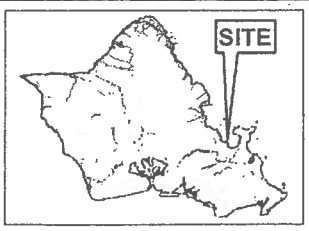
DATE OF INTRODUCTION:

JUL 15 2014

Honolulu, Hawaii

Councilmembers





VICINITY MAP

0 1,000 2,000 4,000

Scale: 1 inch = 2000 feet

LOCATION MAP

HEEIA (KANEOHE BAY)

------ In Special Management Area (SMA)

↓

FOLDER NOS.: 2014/SMA-23 & 2014/SV-4

TAX MAP KEY: 4-6-1: 1, 15, 16, 17 & 51

Prepared by: Department of Planning & Permitting
City and County of Honolulu

Date Prepared: June 24, 2014

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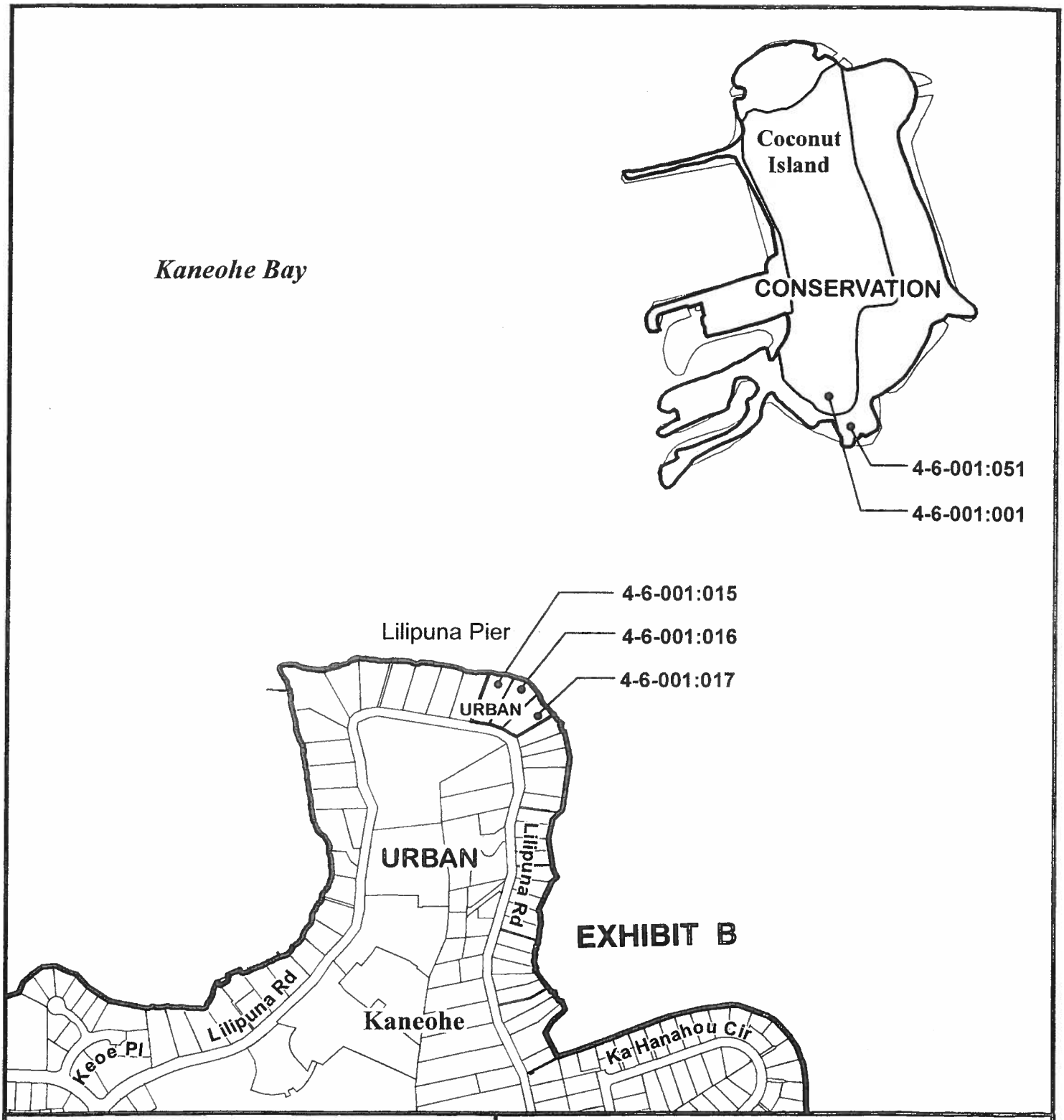
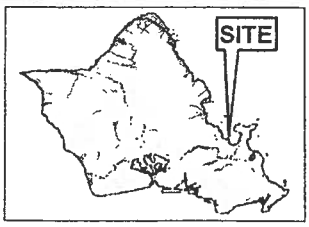


EXHIBIT B



VICINITY MAP

0 300 600 1,200

Scale: 1 inch = 6 0 eet

STATE LAND USE MAP

HEEIA (KANEOHE BAY)

In Special Management Area (SMA)

FOLDER NOS.: 2014/SMA-23 & 2014/SV-4

TAX MAP KEY: 4-6-1: 1, 15, 16, 17 & 51

Prepared by: Department of P ann & Permitting
City and County of on lulu

Date Prepared: May 20, 2014

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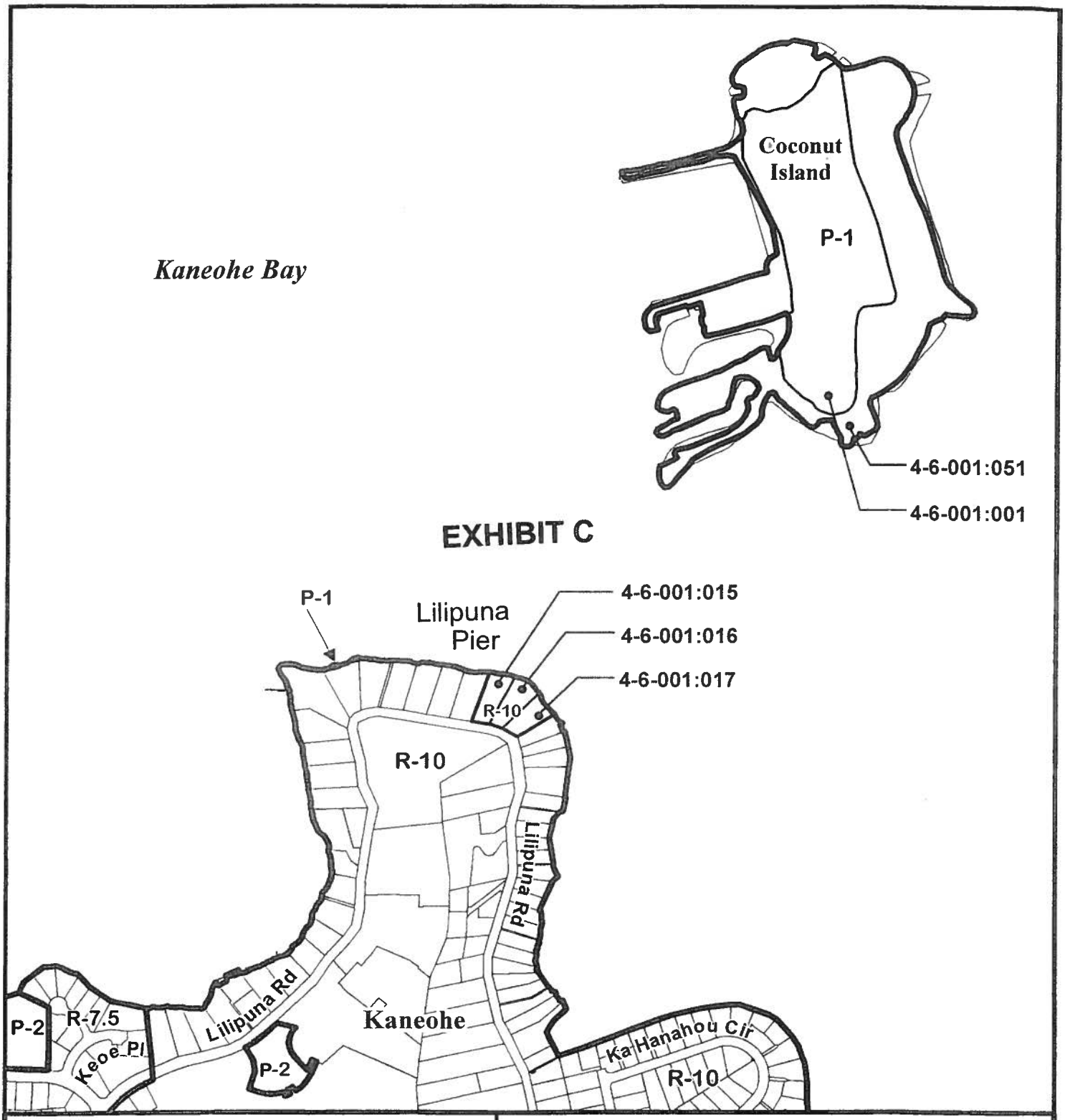

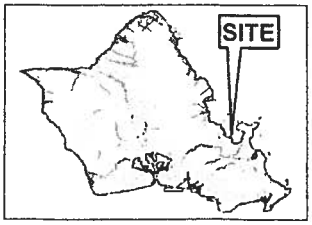

VICINITY MAP

0 300 600 1,200

Scale: 1 inch = 600 feet

ZONING MAP

HEEIA (KANEOHE BAY)

In Special Management Area (SMA)

FOLDER NOS.: 2014/SMA-23 & 2014/SV-4

TAX MAP KEY: 4-6-1: 1, 15, 16, 17 & 51

Prepared by: Department of Planning & Permitting
City and County of Honolulu

Date Prepared: May 20, 2014

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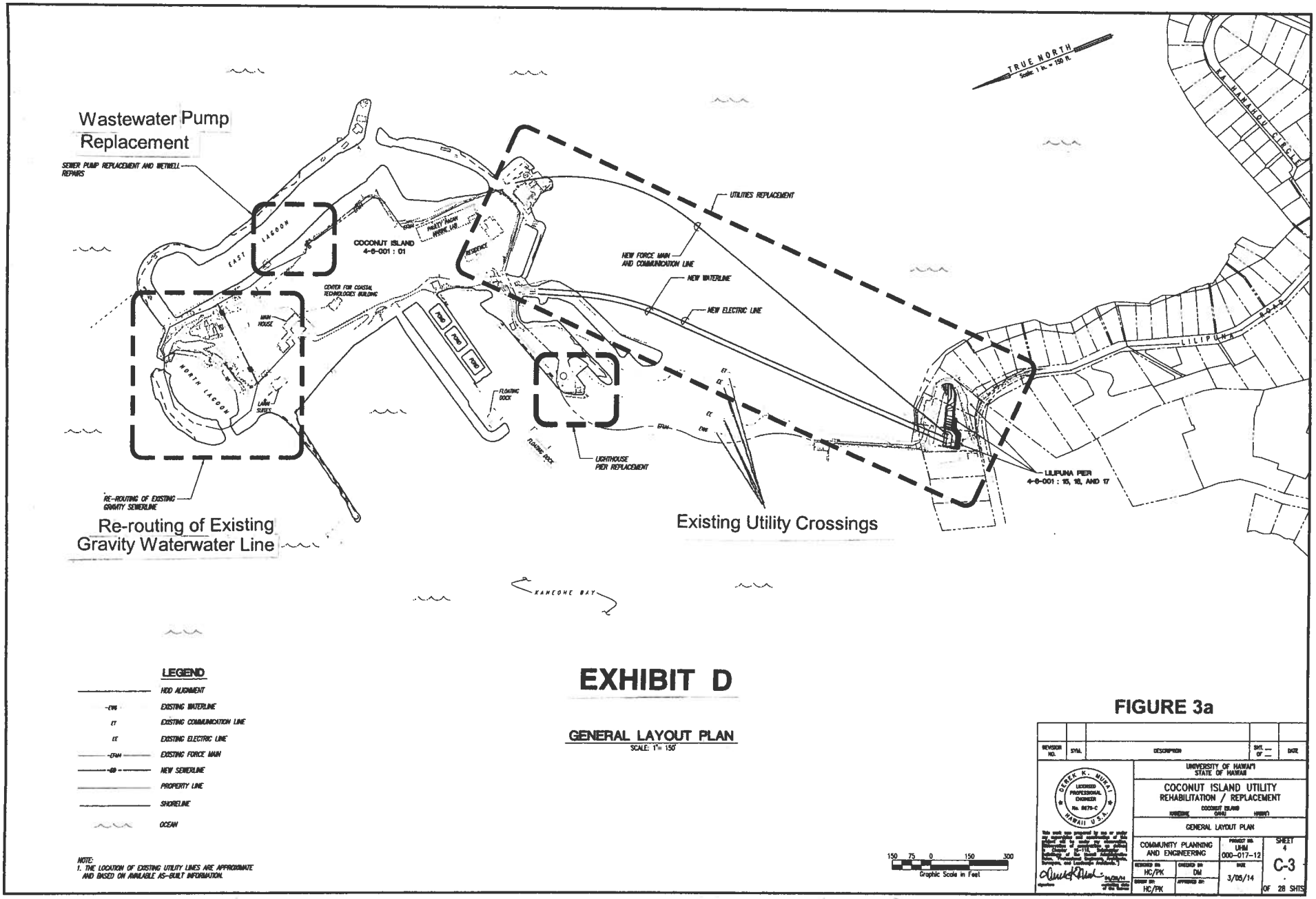


LEGEND

- HDD ALIGNMENT
- EXISTING WATERLINE
- EXISTING COMMUNICATION LINE
- EXISTING ELECTRIC LINE
- EXISTING FORCE MAIN
- NEW SEWERLINE
- PROPERTY LINE
- SHORELINE
- OCEAN

NOTE:
1. THE LOCATION OF EXISTING UTILITY LINES ARE APPROXIMATE AND BASED ON AVAILABLE AS-BUILT INFORMATION.

EXHIBIT D

GENERAL LAYOUT PLAN

SCALE: 1"= 150'

150 75 0 150 300
Graphic Scale in Feet

FIGURE 3a

REVISION NO.	SYM.	DESCRIPTION	SHT. — OF —	DATE

DEREK K. MIURA, LICENSED PROFESSIONAL ENGINEER, No. 9679-C, HAWAII U.S.A.

This work was prepared by me or under my supervision and contributes of the following sheets: (Specify sheet numbers, or "all sheets" if applicable.) Sheet 1 - 4 Signature: HAWAII

UNIVERSITY OF HAWAI'I
STATE OF HAWAII

COCONUT ISLAND UTILITY REHABILITATION / REPLACEMENT

COCONUT ISLAND
KANEOHE, OAHU, HAWAII

GENERAL LAYOUT PLAN

COMMUNITY PLANNING AND ENGINEERING

PROJECT NO. UHM 000-017-12

SHEET 4 C-3 OF 28 SHTS

REVIEWED BY: HC/PK
CHECKED BY: DM
DATE: 3/05/14
DRAWN BY: HC/PK
APPROVED BY:

FOLDER NOS.: 2014/SMA - 23 & 2014/SV-4

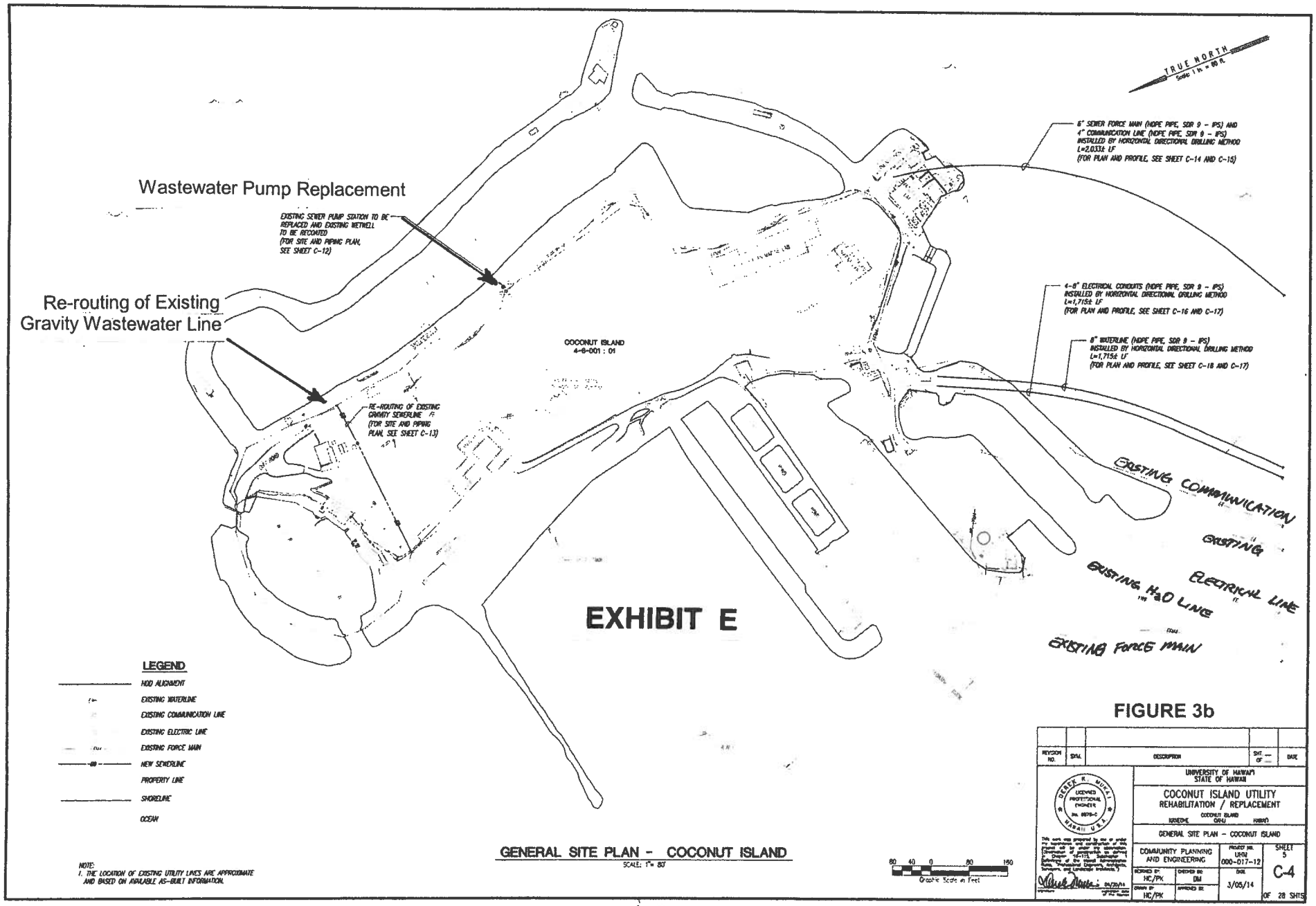


FIGURE 3b

FOLDER NOS.: 2014/SMA - 23 & 2014/SV-4

CURVE DATA	
CURVE	1
Δ	127°30'12"
Δ/2	63°45'06"
R	20.00'
T	40.56'
C	35.88'
L	44.51'

KANEOHE BAY

TRUE NORTH
SCALE: 1" = 20' ±

FOR FORCE MAIN CONNECTION DETAILS SEE SHEET C-21

FUTURE ELECTRICAL CONNECTION BY OTHERS

FUTURE ELECTRICAL LINE BY OTHERS

STA. 0+47.14 WB CONNECT TO EWB 1-8"X6" ECCENTRIC REDUCER

STA. 0+30.41 WB 1-8" DEFLECTION COUPLING (PVC)

STA. 0+34.41 WB 1-6" ½ BEND 1-CONC. BLK

STA. 0+05 WB 1-6" ½-BEND 1-CONC. BLK

Retaining Wall A

EXHIBIT F

DRILL ENTRY POINT

STA. 0+00 WB CONNECT TO NEW-6" WATERLINE 1-8" HDPE TO DMC TRANSITION COUPLING 6 LF OF 8" PVC PIPE 1-8"X8" TEE

FUTURE CONNECTION BY OTHERS

FUTURE COMMUNICATION LINE BY OTHERS

Retaining Wall B

GUARD SHACK

FMS SIGN WITH ARV FOR DETAIL SEE SHEET C-23

LILIPUNA ROAD

EXISTING WATER METER (METER # 00159004)

4-6" ELECTRICAL CONDUITS (HDPE PIPE, SDR 9 IPS) INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING METHOD L=1,715± LF

8" WATERLINE (HDPE PIPE, SDR 9 IPS) INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING METHOD L= 1,715± LF

6" SEWER FORCE MAIN (HDPE PIPE, SDR 9 IPS) AND 4" COMMUNICATION LINE (HDPE PIPE, SDR 9 IPS) INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING METHOD L=2,033± LF

Submarine Sewer Force Main Easement (10 ft. wide) (CSF 17,920)

DROP CURB FOR DETAIL, SEE SHEET C-22

INSTALL CONCRETE DRIVEWAY CURB FOR DETAIL SEE SHEET C-22 L=45± LF

EXISTING 4" SEWER FORCE MAIN

FUTURE COMMUNICATION CONNECTION BY OTHERS

DROP CURB FOR DETAIL, SEE SHEET C-22

LEGEND

- HDD ALIGNMENT
- EWB — EXISTING WATERLINE
- ET — EXISTING COMMUNICATION LINE
- EC — EXISTING ELECTRIC LINE
- EFMA — EXISTING FORCEMAIN
- OCEAN
- PROPERTY LINE
- CHAIN LINK FENCE
- WB — WATERLINE
- FUTURE COMMUNICATION LINE
- FUTURE ELECTRIC LINE
- FMB — SEWER FORCE MAIN
- B-2 — BORING LOCATION

FIGURE 3d

SITE AND PIPING PLAN - LILIPUNA PIER

SCALE: 1" = 20'

20 10 0 20 40
Graphic Scale in Feet

REVISION NO.	SYM.	DESCRIPTION	SHT. __ OF __	DATE

DEREK K. MURAI LICENSED PROFESSIONAL ENGINEER No. 8876-C HAWAII, U.S.A.

This work was prepared by me or under my supervision and I am a duly licensed Professional Engineer under the laws of the State of Hawaii, to practice Chapter 16-115, Subchapter 1 Definitions of the Board Rules-Practice Rules, Professional Engineers, Architects, Land Surveyors and Landscape Architects.

Derek Murai 3/5/2014
signature date
registration expiration date of the licensee

UNIVERSITY OF HAWAI'I
STATE OF HAWAII

COCONUT ISLAND UTILITY REHABILITATION / REPLACEMENT
COCONUT ISLAND
KANEOHE OAHU HAWAII

SITE AND PIPING PLAN - LILIPUNA PIER

COMMUNITY PLANNING AND ENGINEERING

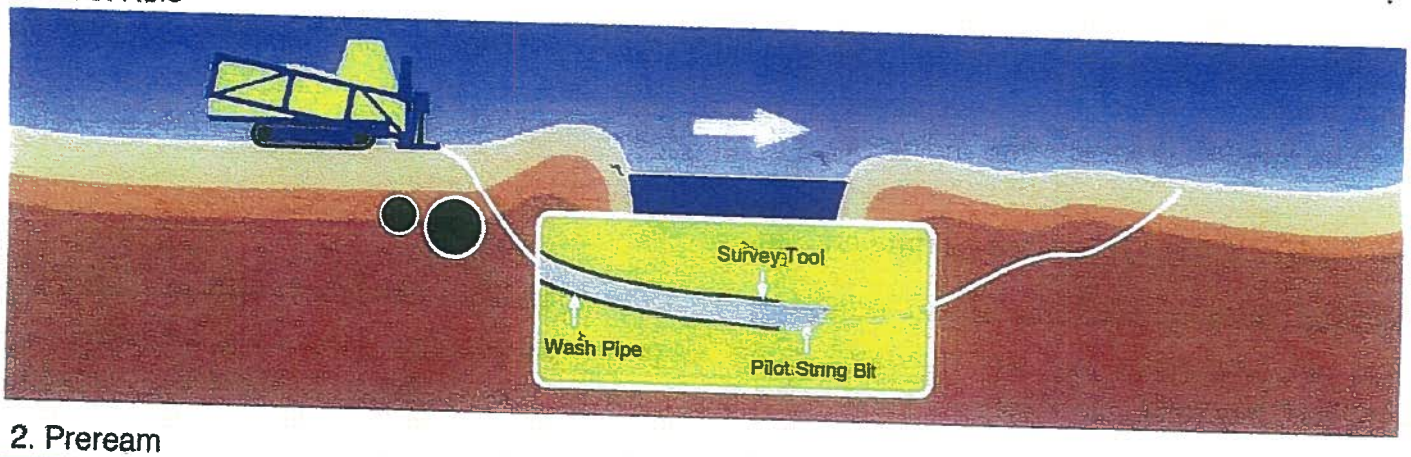
PROJECT NO. UHM 000-017-12

SHEET 12 C-11 OF 28 SHTS

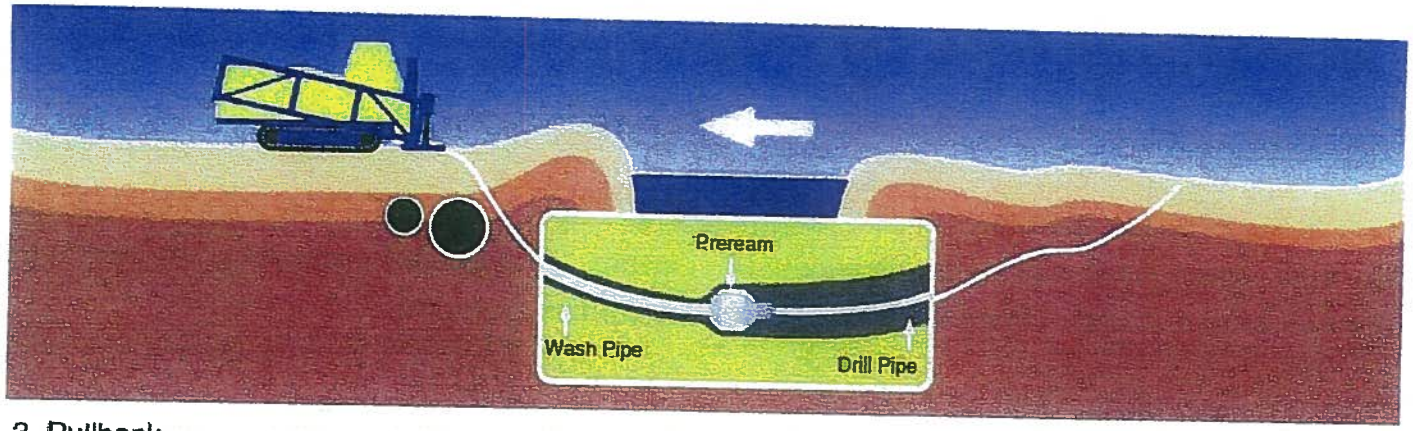
DESIGNED BY HC/PK
CHECKED BY DM
DATE 3/05/14
DRAWN BY HC/PK
APPROVED BY

FOLDER NOS.: 2014/SMA - 23 & 2014/SV-4

1. Pilot Hole



2. Preream



3. Pullback

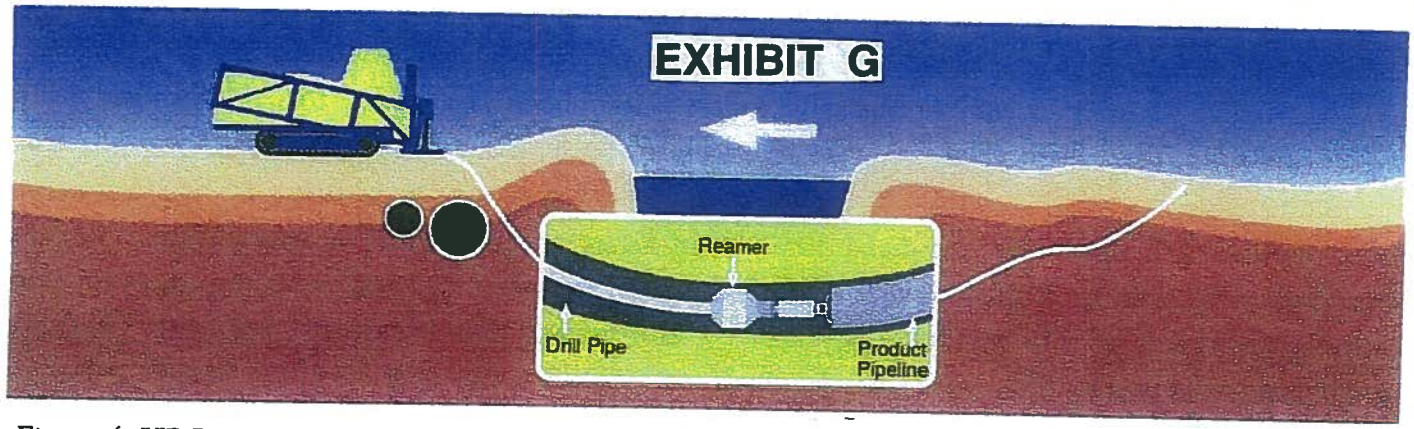


Figure 4 HDD Process

FOLDER NOS.: 2014/SMA - 23 & 2014/SV-4

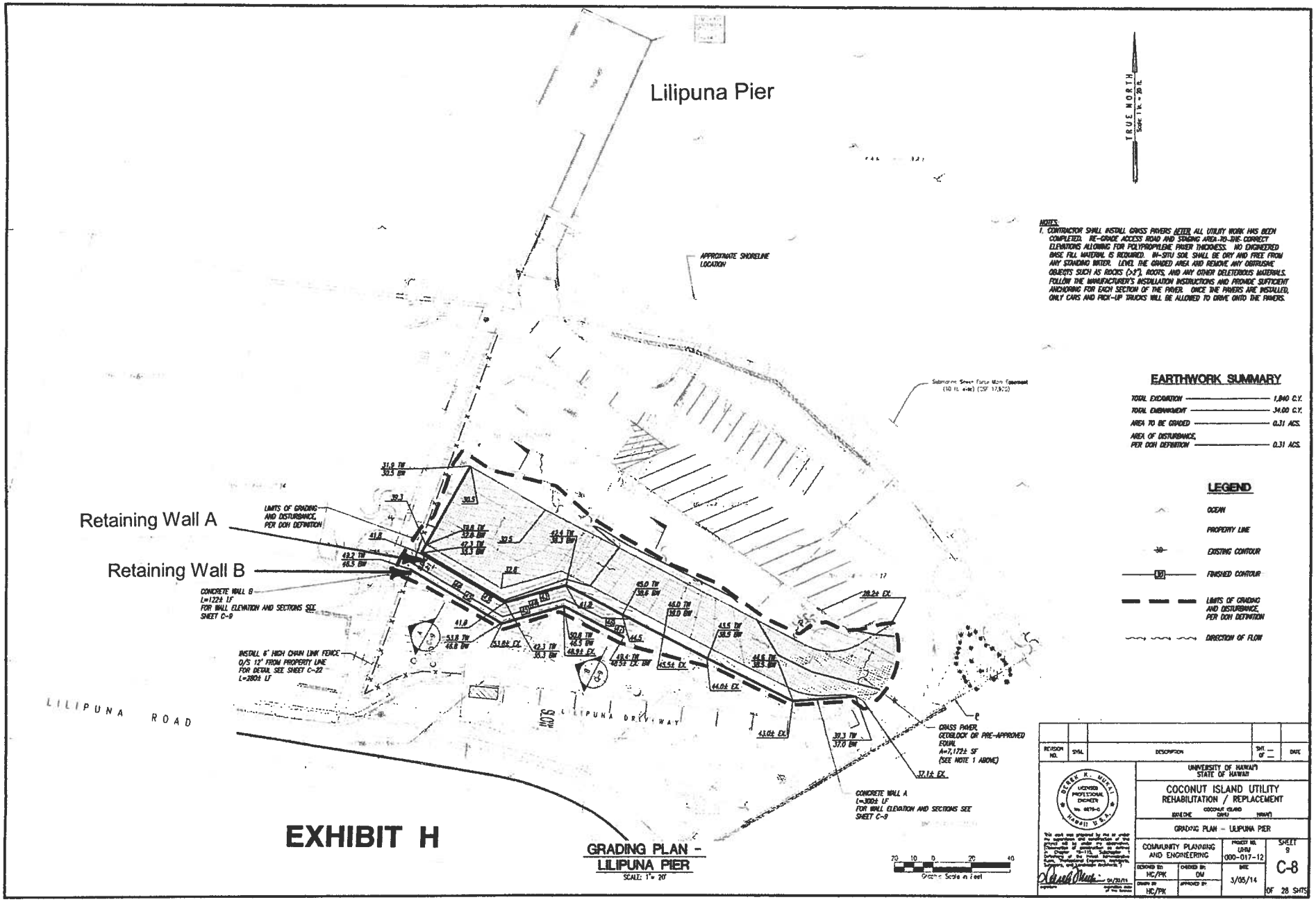
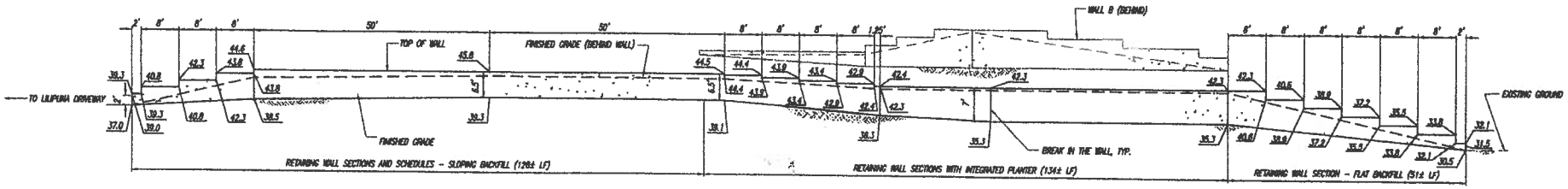
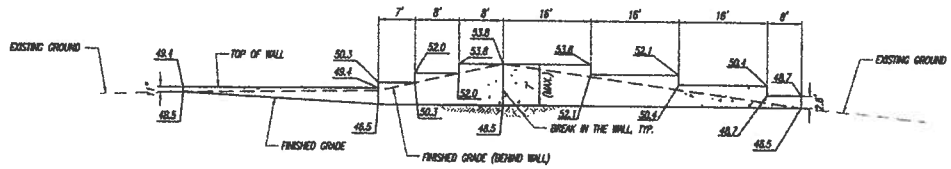


EXHIBIT H

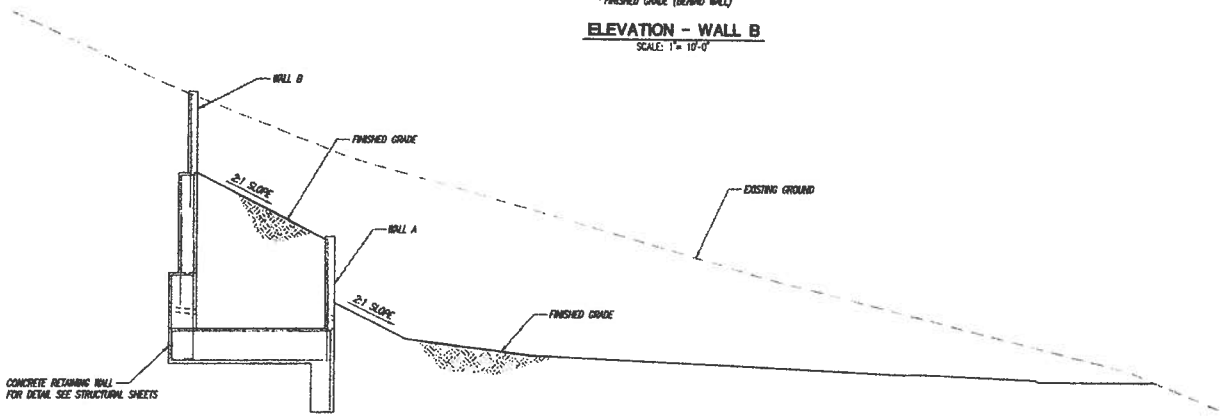
FOLDER NOS.: 2014/SMA - 23 & 2014/SV-4



ELEVATION – WALL A
SCALE: 1" = 10'-0"

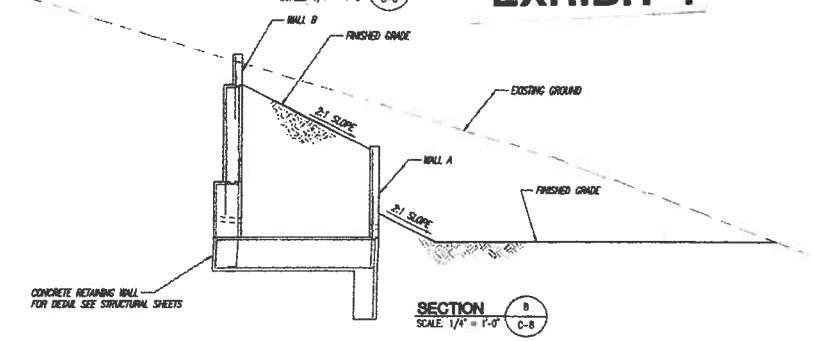


ELEVATION – WALL B
SCALE: 1" = 10'-0"



SECTION A / C-8
SCALE: 1/4" = 1'-0"

EXHIBIT I



SECTION B / C-8
SCALE: 1/4" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE

DEREK K. MUKAI
LICENSED PROFESSIONAL ENGINEER
No. 9975-C
HAWAII U.S.A.

UNIVERSITY OF HAWAII
STATE OF HAWAII

COCONUT ISLAND UTILITY
REHABILITATION / REPLACEMENT

KANEOHE — COCONUT ISLAND — OAHU — HAWAII

ELEVATIONS AND SECTIONS – RETAINING WALLS

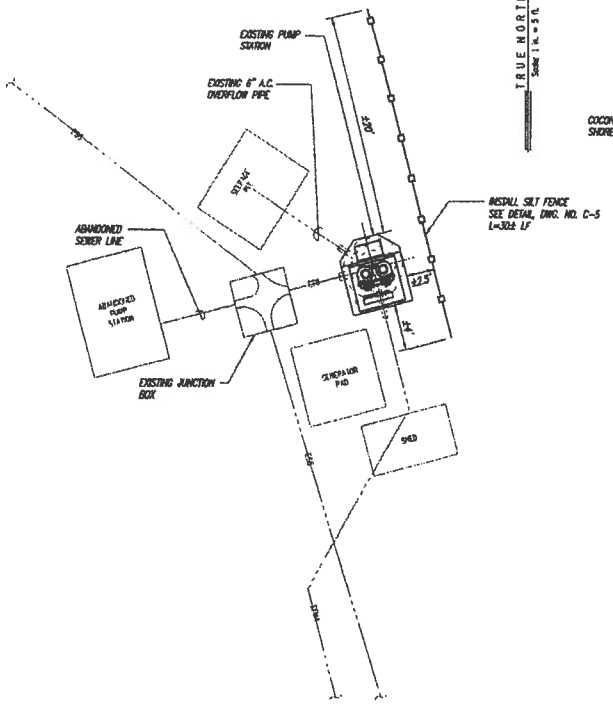
COMMUNITY PLANNING AND ENGINEERING

PROJECT NO. UP-M 000-017-12

SHEET NO. C-9 OF 28 SHTS

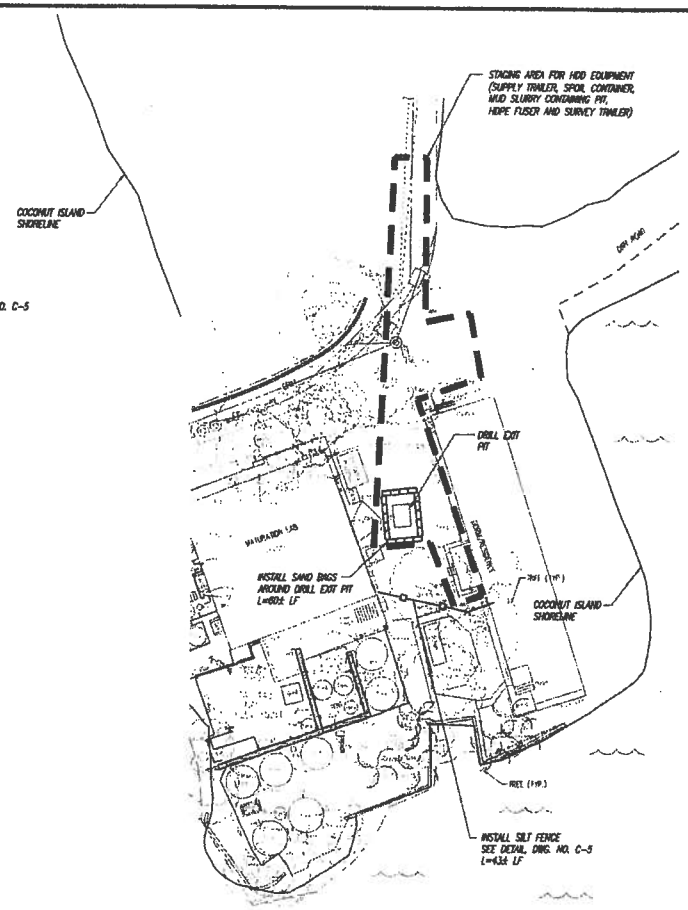
DESIGNED BY HC/PK — CHECKED BY DM — DATE 3/06/14 — DRAWN BY HC/PK — APPROVED BY

FOLDER NOS.: 2014/SMA - 23 & 2014/SV-4



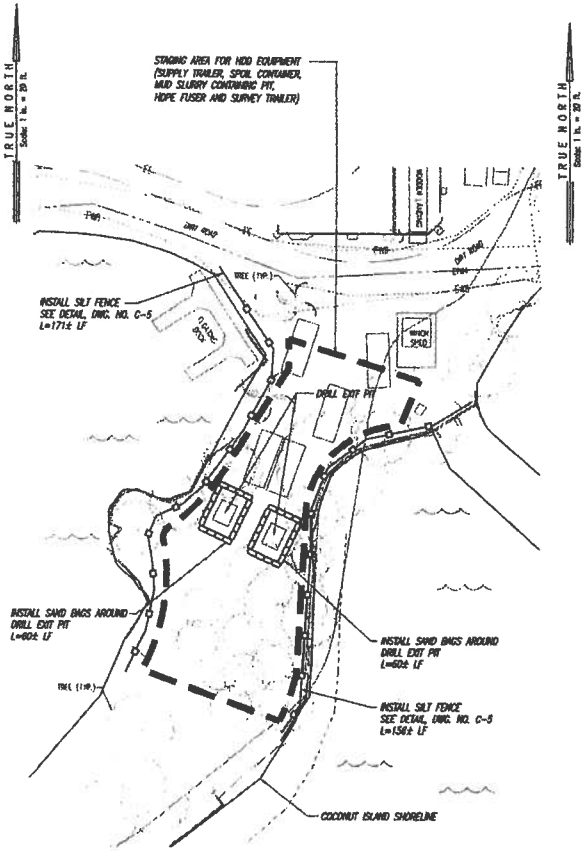
EROSION CONTROL PLAN - PUMP STATION

SCALE: 1" = 5'



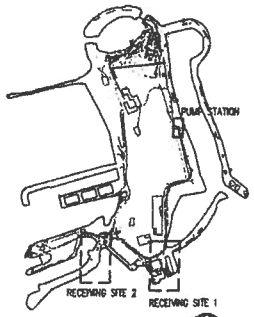
EROSION CONTROL PLAN - RECEIVING SITE 1

SCALE: 1" = 20'



EROSION CONTROL PLAN - RECEIVING SITE 2

SCALE: 1" = 20'



KEY MAP

NOT TO SCALE

NORTH

EXHIBIT J

LEGEND

- OCEAN
- SAND BAGS
- SILT FENCE

20 10 0 20 40

Graphic Scale in Feet

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE

DEREK K. MURAI LICENSED PROFESSIONAL ENGINEER No. 8878-C HAWAII U.S.A.

UNIVERSITY OF HAWAI'I
STATE OF HAWAII

COCONUT ISLAND UTILITY REHABILITATION / REPLACEMENT

COCONUT ISLAND (KANEOHE BAY) HAWAII

EROSION CONTROL PLAN - PUMP STATION, RECEIVING SITE 1 AND 2

COMMUNITY PLANNING AND ENGINEERING

PROJECT NO. UHM 000-017-12

SHEET 7 C-6 OF 28 SHTS

DESIGNED BY HC/PK | CHECKED BY DM | DATE 3/05/14 | DRAWN BY HC/PK | APPROVED BY

FOLDER NOS.: 2014/SMA - 23 & 2014/SV-4

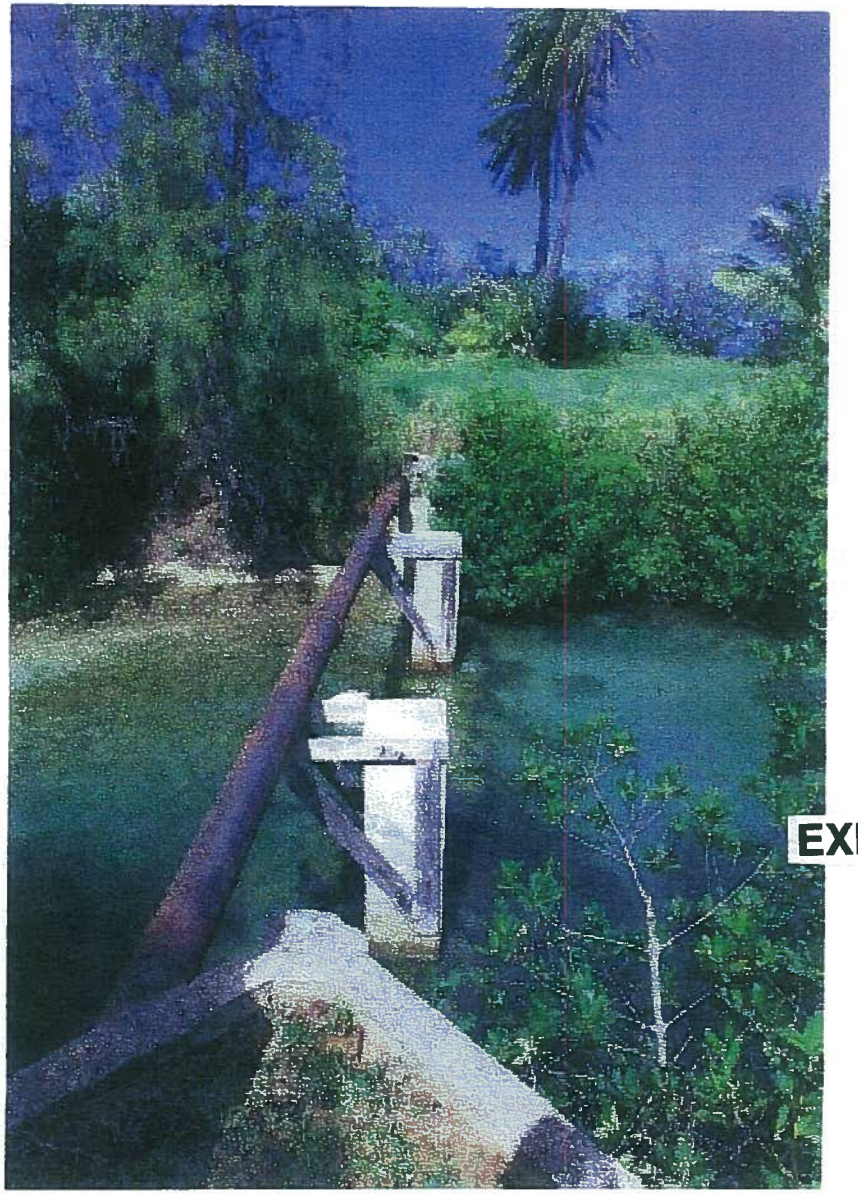


Photo 1: Gravity sewer crossing at northwestern side of North Lagoon

EXHIBIT K

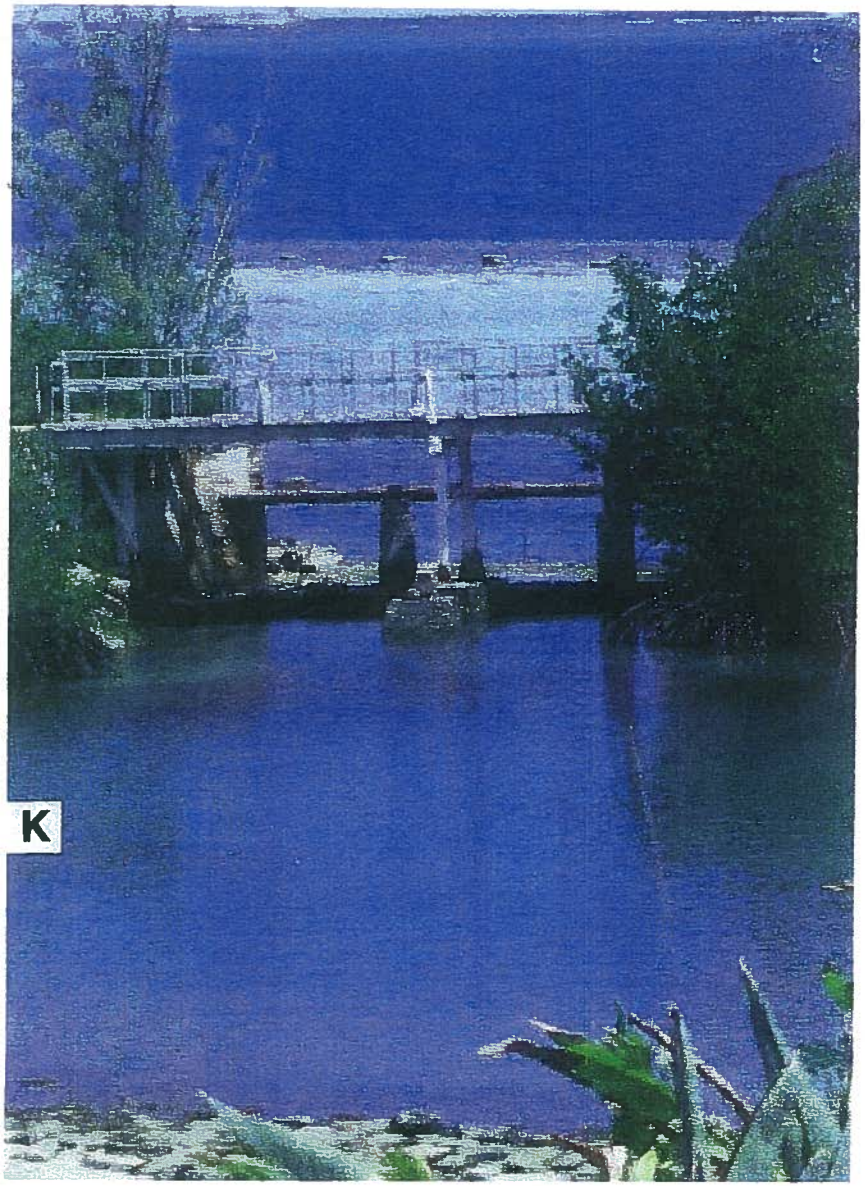
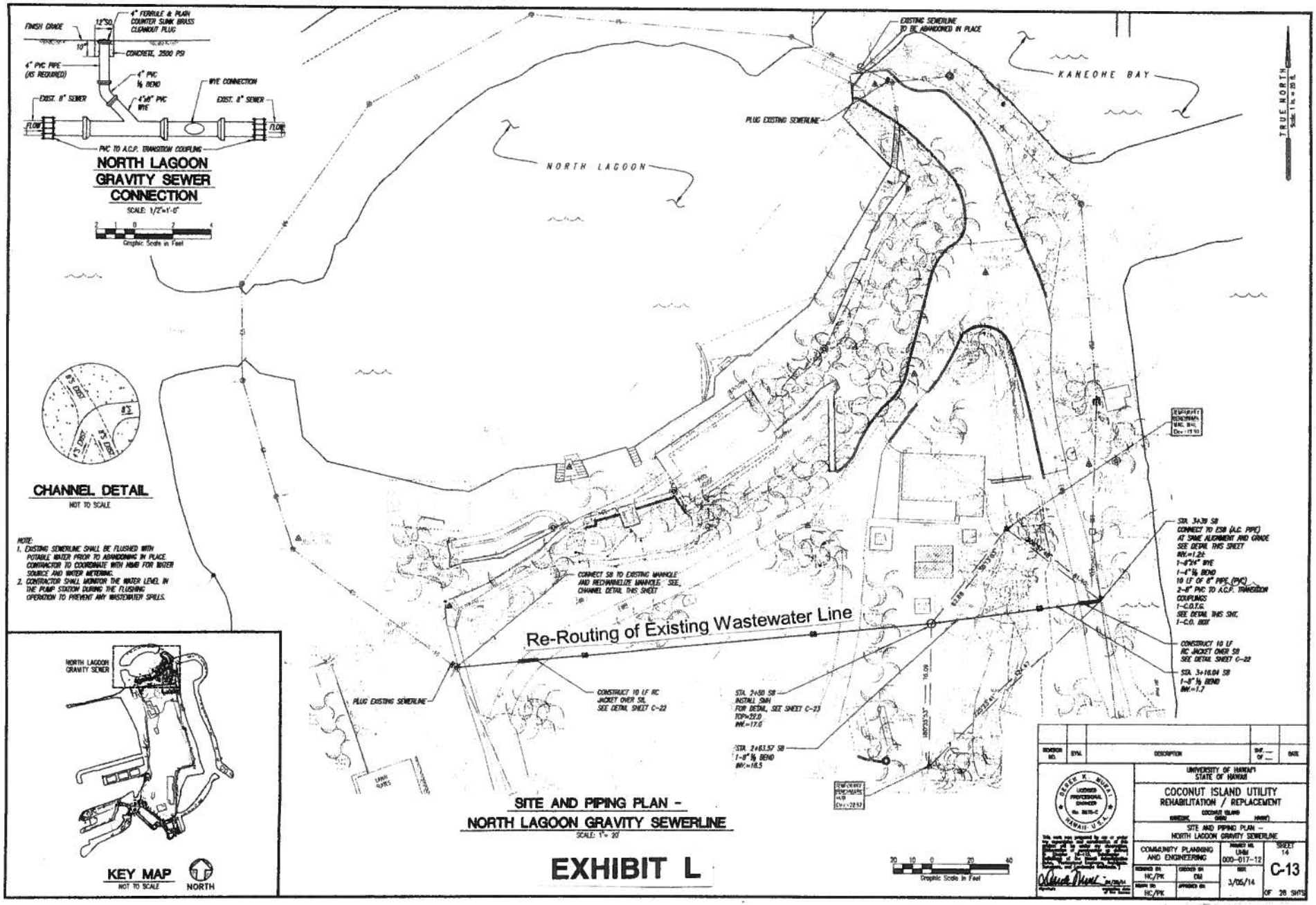


Photo 2: Gravity sewer crossing at northeastern side of North Lagoon

FOLDER NOS.: 2014/SMA - 23 & 2014/SV-4



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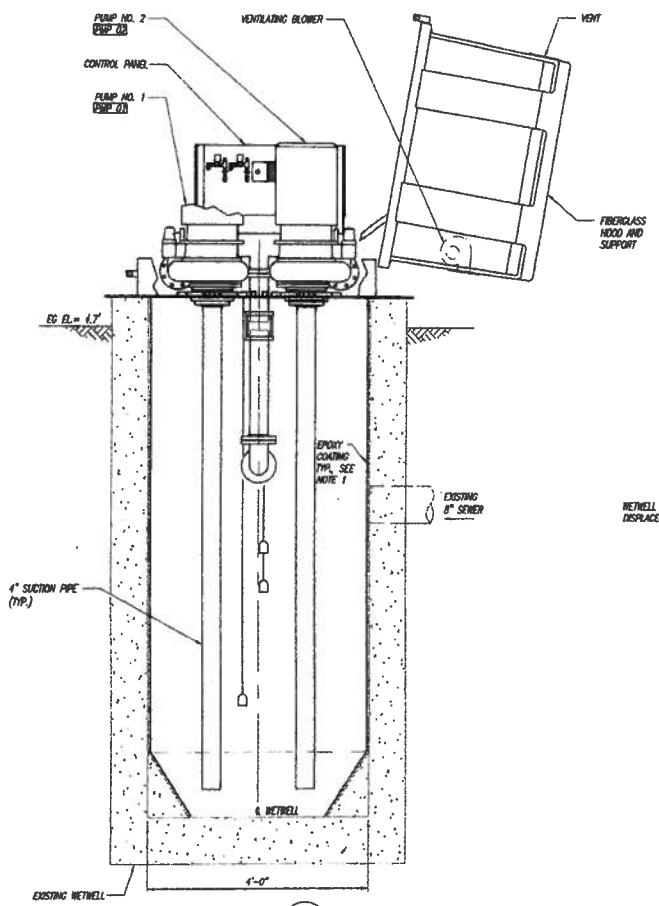

SECTION (A / C-20)
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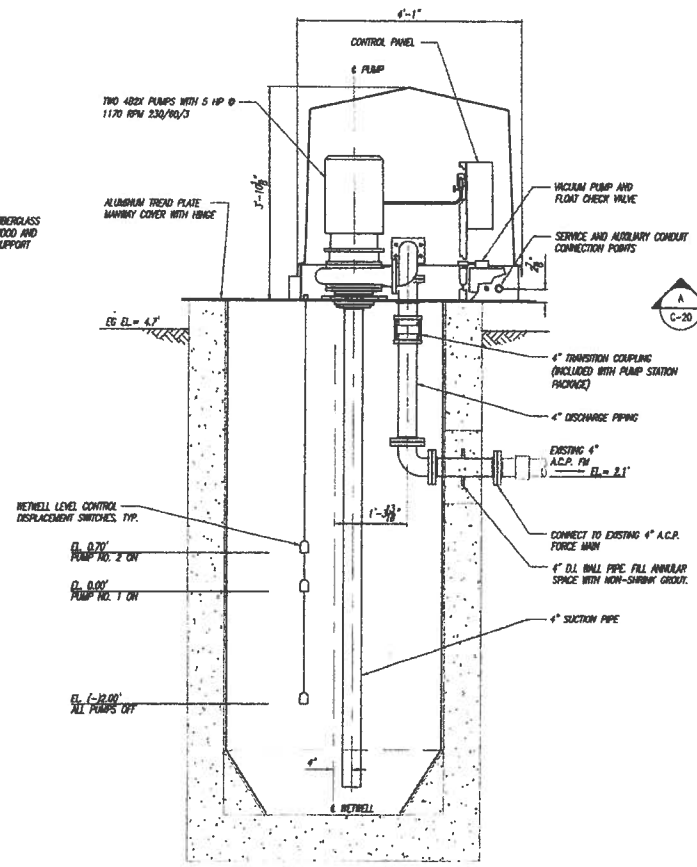

SECTION (B / C-20)
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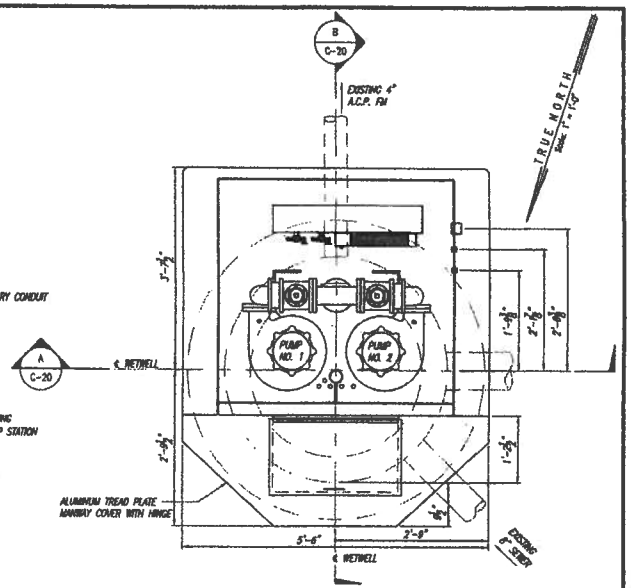
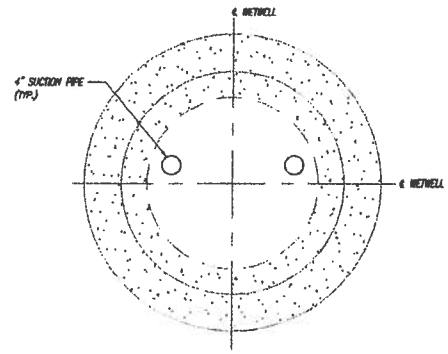


TOP PLAN
SCALE: 1" = 1'-0"



BOTTOM PLAN
SCALE: 1" = 1'-0"

EXHIBIT M

NOTE:
1. SEE SPECIFICATION SECTION 02601 FOR SURFACE PREPARATION INSTRUCTION AND COATING APPLICATION PROCEDURE.
2. PUMP STATION SHALL BE SMITH AND LOVELESS MODEL 4820 X-PELLER, OR PRE-APPROVED EQUAL.
3. PUMP MANUFACTURER SHALL FURNISH PUMPS, PUMP SUPPORT AND HOUSING, CONTROL PANEL, SUCTION PIPING, LEVEL SWITCHES, DISCHARGE PIPING, VACUUM PUMP AND FLOAT CHECK VALVE (SEE SPECIFICATION SECTION 02720).

REFERENCE	EQUIPMENT	OPERATIONAL NOTES	TYPE	DESCRIPTION
PMP 01	SEWAGE PUMP NO. 1	PUMP IS AUTOMATICALLY OPERATED BY LEVEL CONTROL. MANUAL OVERRIDE IS PROVIDED	DRY PIT WETWELL MOUNTED PUMP	120 GPM @ 40' TDH, 5 HP, 1170 RPM 230/60/3
PMP 02	SEWAGE PUMP NO. 2	"	"	"
------	WETWELL LEVEL AND PUMP CONTROL	INCLUDED WITH PUMP STATION PACKAGE	------	------

REVISION NO.	SYM.	DESCRIPTION	DR. — OF —	DATE

DEREK K. MUKAI — LICENSED PROFESSIONAL ENGINEER — No. 8875-C — HAWAII U.S.A.

UNIVERSITY OF HAWAII
STATE OF HAWAII

COCONUT ISLAND UTILITY
REHABILITATION / REPLACEMENT

HONOLULU OAHU HAWAII

PUMP STATION PLAN AND SECTION

COMMUNITY PLANNING AND ENGINEERING

PROJECT NO. UHM 000-017-12

SHEET 21 C-20 OF 28 SHTS

DESIGNED BY HC/PK | CHECKED BY DM | DATE 3/05/14 | DRAWN BY HC/PK | APPROVED BY

FOLDER NOS.: 2014/SMA - 23 & 2014/SV-4

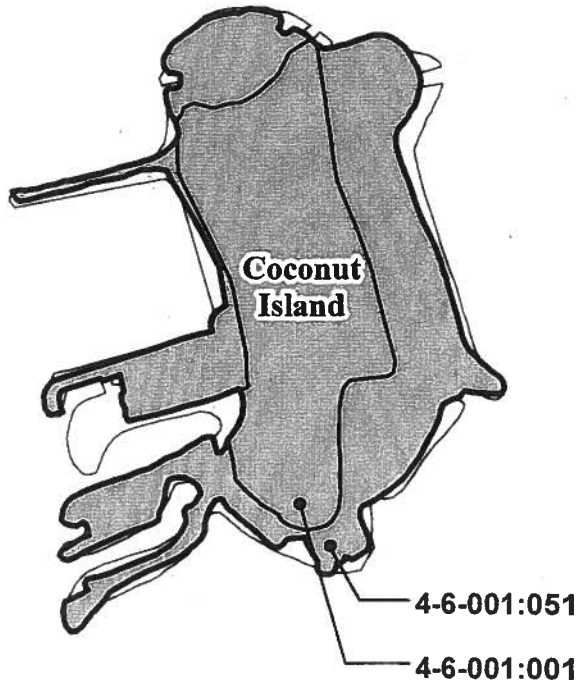
Legend

Flood zones other than 1% and .2% annual chance (100- and 500 year) flood:

X - Outside .2% annual chance flood plain

Note: Coconut island is not included in the study area.

Source: FIRM (Flood Insurance Rate Map) panel 0270H (revised 1/19/2011).



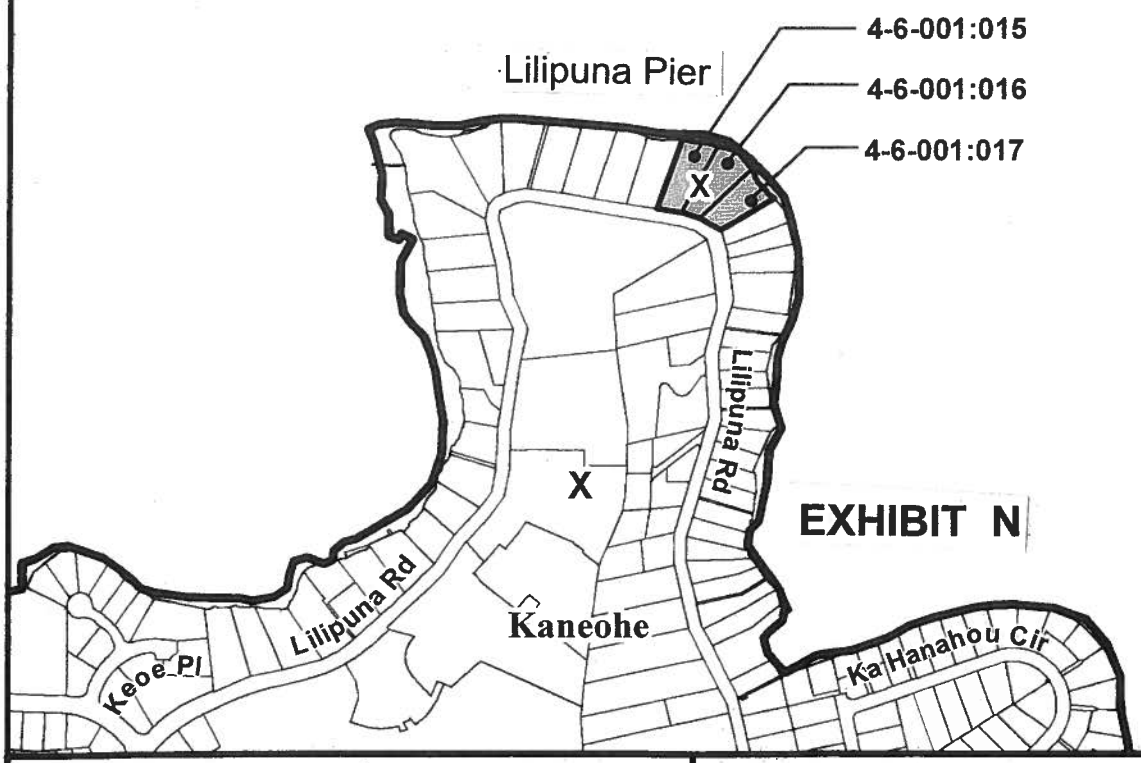
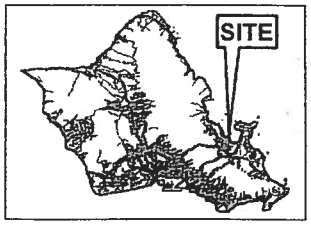


EXHIBIT N



VICINITY MAP

0 300 600 1,200

Scale: 1 inch = 600 feet

FLOOD HAZARD MAP

HEEIA (KANEOHE BAY)

In Special Management Area (SMA)

FOLDER NOS.: 2014/SMA-23 & 2014/SV-4

TAX MAP KEY: 4-6-1: 1, 15, 16, 17 & 51

Prepared by: Department of Planning & Permitting
City and County of Honolulu

Date Prepared: May 20, 2014

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