HONOLULU CITY COUNCIL

KE KANIHELA O KE KALANA O HONOLULU

CITY AND COUNTY OF HONOLULU

No. 24-277

RESOLUTION

GRANTING A SPECIAL MANAGEMENT AREA (SMA) MAJOR PERMIT TO ALLOW UPGRADES AND IMPROVEMENTS TO THE SECONDARY SPILL CONTAINMENT AND STORM WATER SYSTEM AT THE SAND ISLAND BULK JET FUEL STORAGE FACILITY IN KALIHI-KAI, O'AHU.

WHEREAS, on July 15, 2024, the Department of Planning and Permitting ("DPP") accepted the application (File No. 2024/SMA-63) of Hawai'i Fueling Facilities Corporation (the "Applicant") for an SMA Major Permit to allow the Environmental Protection Agency-mandated upgrades and improvements to the secondary spill containment and storm water management system at the existing 16-tank bulk jet fuel storage facility on a 8.4-acre lot which is zoned I-3 Waterfront Industrial District, located at 6 Sand Island Access Road, in Kalihi-Kai, and identified as Tax Map Keys 1-2-025: 020 and 021 ("the Project"); and

WHEREAS, on September 6, 2024, the DPP held a public hearing on the application at the Fasi Municipal Building 6th Floor Conference Room, which was attended by representatives of the Applicant, the Agent and two associates, and DPP staff. No member of the public attended the public hearing, and no written or oral testimony was received; and

WHEREAS, on November 4, 2024, within 59 calendar days after the close of the public hearing (the Applicant having requested a 14-day extension of the 45-day calendar day administrative deadline), having duly considered all evidence and the objectives, policies, and guidelines, as established in Revised Ordinances of Honolulu 2021 (ROH) §§ 25-3.1 and 25-4.1, and Hawai'i Revised Statutes (HRS) §§ 205A-2 and 205A-26, completed its report and transmitted its findings and recommendation of approval to the City Council ("Council"); and

WHEREAS, the Council, having received the findings and recommendation of the DPP on 11/08/2024, by Departmental Communication No. 781, and having duly considered all of the findings and reports on the matter, desires to approve the subject application for an SMA Major Permit, subject to the conditions enumerated below; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu that an SMA Major Permit be issued to the Applicant for the Project, subject to the following conditions:

A. Development of the Project must be in general conformity with the Project as described in the DPP's findings and recommendation, referenced above, and as depicted in Exhibits A through E, F-1 through F-10, and G through J, enclosed hereto and incorporated herein by this reference. Any change in the size or nature of the Project that has a significant effect on coastal resources addressed in ROH

Chapter 25 or HRS Chapter 205A, or both, will require a new application and SMA Major Permit. Any change that does not have a significant effect on coastal resources will be considered a minor modification and therefore permitted under this resolution, upon review and approval by the DPP Director.

B. In order to minimize impacts to known and unknown archaeological, historic, and cultural resources present at the Project site, the Applicant shall comply with the following measures:

1. Prior to the issuance of any development permits, construction, or other earth-moving activities, the Applicant shall provide written confirmation from the State Historic Preservation Division ("SHPD") of their satisfaction that appropriate evaluations have been completed, mitigative actions and monitoring protocols have been determined; and

2 If, during construction, any previously unidentified archaeological sites or remains (such as artifacts, shell, bone, or charcoal deposits, human burials, rock or coral alignments, pavings, or walls) are encountered, the Applicant shall stop work, protect the find from further disturbance, and contact the SHPD immediately. Work in the immediate area must be stopped until SHPD is able to assess the impact and make further recommendations for mitigative activity.

The requirements enumerated in this condition must be clearly stated under "Environmental Notes" on all Project construction permit and building permit plans.

C. In order to minimize impacts to endangered, protected, or threatened avian, marine, and terrestrial fauna that may frequent or traverse the vicinity of the Project site, the Applicant is responsible for the following:

1. All new and replacement outdoor light fixtures must not exceed a color temperature of 3,000 degrees kelvin;

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

3. Exterior lighting fixtures on the Project site must be fully shielded using full cutoff fixtures with the light directed downward so that the light bulb is only visible from below the light fixture;

4. All Project site work and construction activities are limited to daylight hours (sunrise to sunset);

5. Barbless fencing must be used for all fence construction to avoid entanglement of Hawaiian Hoary Bats; and

6. Woody plants greater than 15 feet in height may not be disturbed, removed, or trimmed during the Hawaiian Hoary Bat birthing and pup rearing season (June 1 through September 15).

The requirements enumerated in this condition must be clearly stated under "Environmental Notes" on all Project construction permit and building permit plans.

D. To minimize the spread of invasive pathogens, pests, or plants that may harm native species and ecosystems, the Applicant is responsible for the following:

1. The Applicant shall minimize the movement of plant or soil material on the Project site, and all Project construction equipment, materials, and personnel must be cleaned of excess soil and debris prior to entering and leaving a Project worksite, in accordance with the current recommendations from the O'ahu Invasive Species Committee ("OISC").

2. Prior to the commencement of any ground-disturbing or construction activities, and upon the arrival of any new workers to the Project site, a copy of the most recently updated OISC "Decontamination Protocols for Prevention of Invasive Species" ("Protocols") must be distributed to all workers who will be present at the site, or the Protocols must be posted at the Project site in a visible location accessible to all Project workers, including delivery and haul-out contractors, or both the distribution and posting of the Protocols is required. All on-site Project workers must be instructed to review the species photos and all Protocols prior to commencing any ground-disturbing or construction activities.

3. If, at any time, species on the OISC invasive species target list website at https://www.oahuisc.org/current-targets/, or any successor website or list provided by the OISC, are discovered on the Project site, the Applicant shall immediately contact the OISC to report the discovery. The current email

address and phone number for the OISC must be visibly posted at the Project site during pre-construction and construction activities. The Applicant shall implement any measures recommended by the OISC and any responsible federal or State of Hawai'i agency charged with the eradication and management of invasive species.

The requirements enumerated in this condition must be clearly stated under "Environmental Notes" on all Project construction permit plans and building permit plans.

E. The Applicant shall obtain a development permit for the Project within five years after the effective date of this SMA Major Permit. Failure to obtain a development permit within this period, will render this SMA Major Permit null and void, provided that this period may be extended as follows:

1. The DPP Director may extend this period if the Applicant demonstrates good cause, but the period must not be extended by the DPP Director beyond one year from the initial deadline set by the City Council.

2. If the Applicant demonstrates good cause for an extension exceeding one year, the DPP Director shall prepare and submit to the Council a report on the proposed extension, which must include the DPP Director's findings and recommendations thereon. The Council may approve the proposed extension or an extension for a shorter or longer period, or deny the proposed extension, by adoption of a committee report or resolution.

3. If the Council fails to take final action on the proposed extension within the first to occur of:

   a. 60 days after receipt of the Director's report; or

   b. The Applicant's then-existing deadline for obtaining a building permit; the extension will be deemed to be denied.

F. Approval of this SMA Major Permit does not constitute compliance with other City ordinances, including but not limited to the Land Use Ordinance (LUO) and building and construction codes, or other governmental requirements, including but not limited to LUO, building, grading, and grubbing permit approvals. 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 SMA Major Permit comply with all applicable City ordinances and other governmental provisions and requirements.

HONOLULU CITY COUNCIL

KE KANIHELA O KE KALANA O HONOLULU

CITY AND COUNTY OF HONOLULU

No. 24-277

RESOLUTION

BE IT FINALLY RESOLVED by the Council of the City and County of Honolulu that copies of this Resolution be transmitted to Jeremy Jewell, Burns and McDonnell Engineering Company Inc., 733 Bishop Street, Suite 2150, Honolulu, Hawai'i 96813; Dawn Takeuchi Apuna, Director of the Department of Planning and Permitting, 650 South King Street, 7th Floor, Honolulu, Hawai'i 96813; and Mary Alice Evans, Director of the Office of Planning and Sustainable Development, Attention: Coastal Zone Management Branch, P.O. Box 2359, Honolulu, Hawai'i 96804-2359.

INTRODUCED BY:

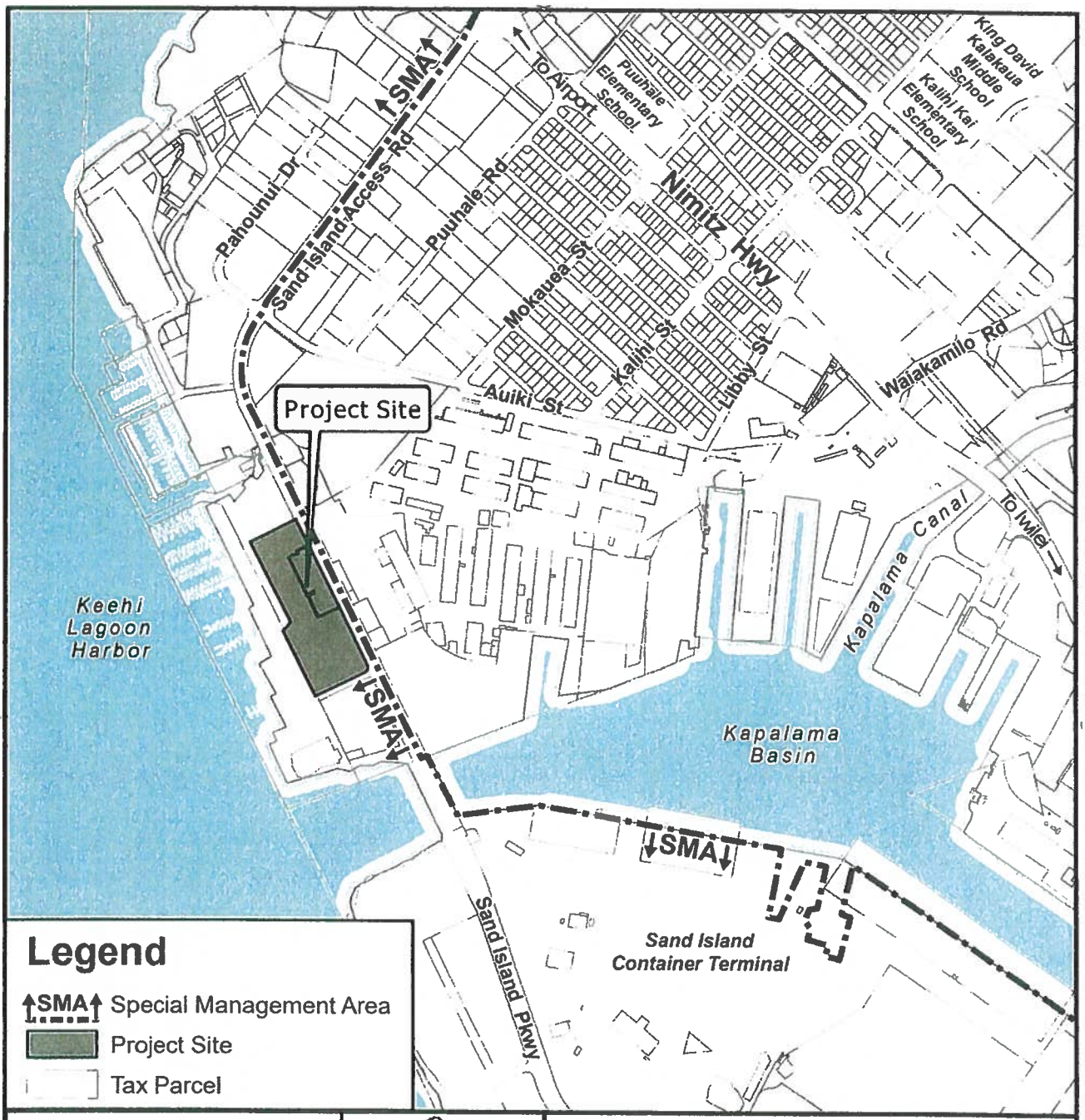
Tom Walsh (br)

DATE OF INTRODUCTION:

NOV 13 2024

Honolulu, Hawai'i

Councilmembers

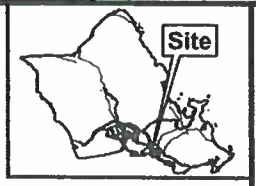


Legend

- SMA Special Management Area
- Project Site
- Tax Parcel

0 250 500 1,000

Distance in Feet



VICINITY MAP

LOCATION MAP WITH SMA
KALIHI KAI

TAX MAP KEY(S): 1-2-025:020 & 021
FOLDER NO.: 2024/SMA-63

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

Date Prepared: 08/2024

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EXHIBIT A

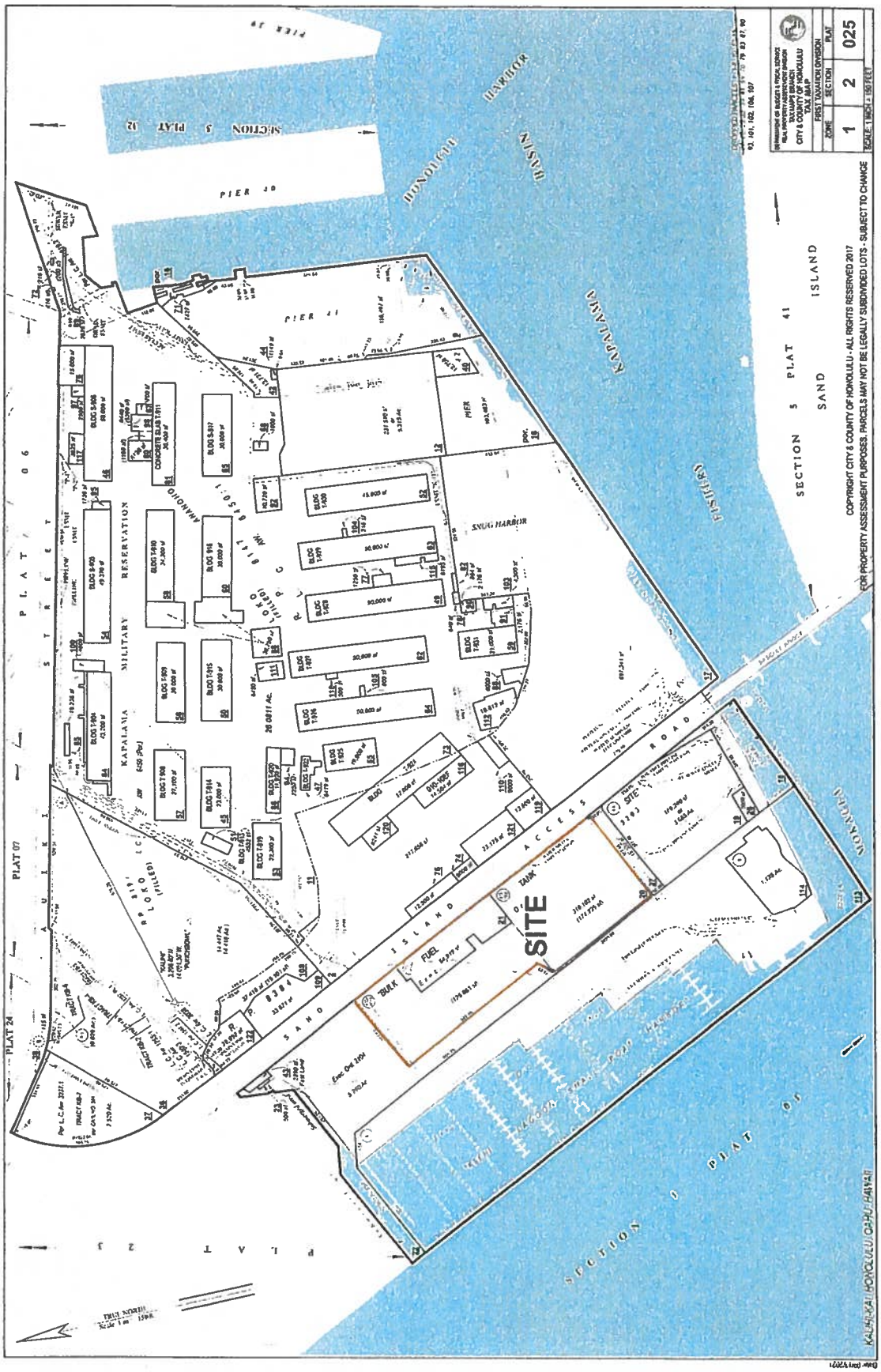
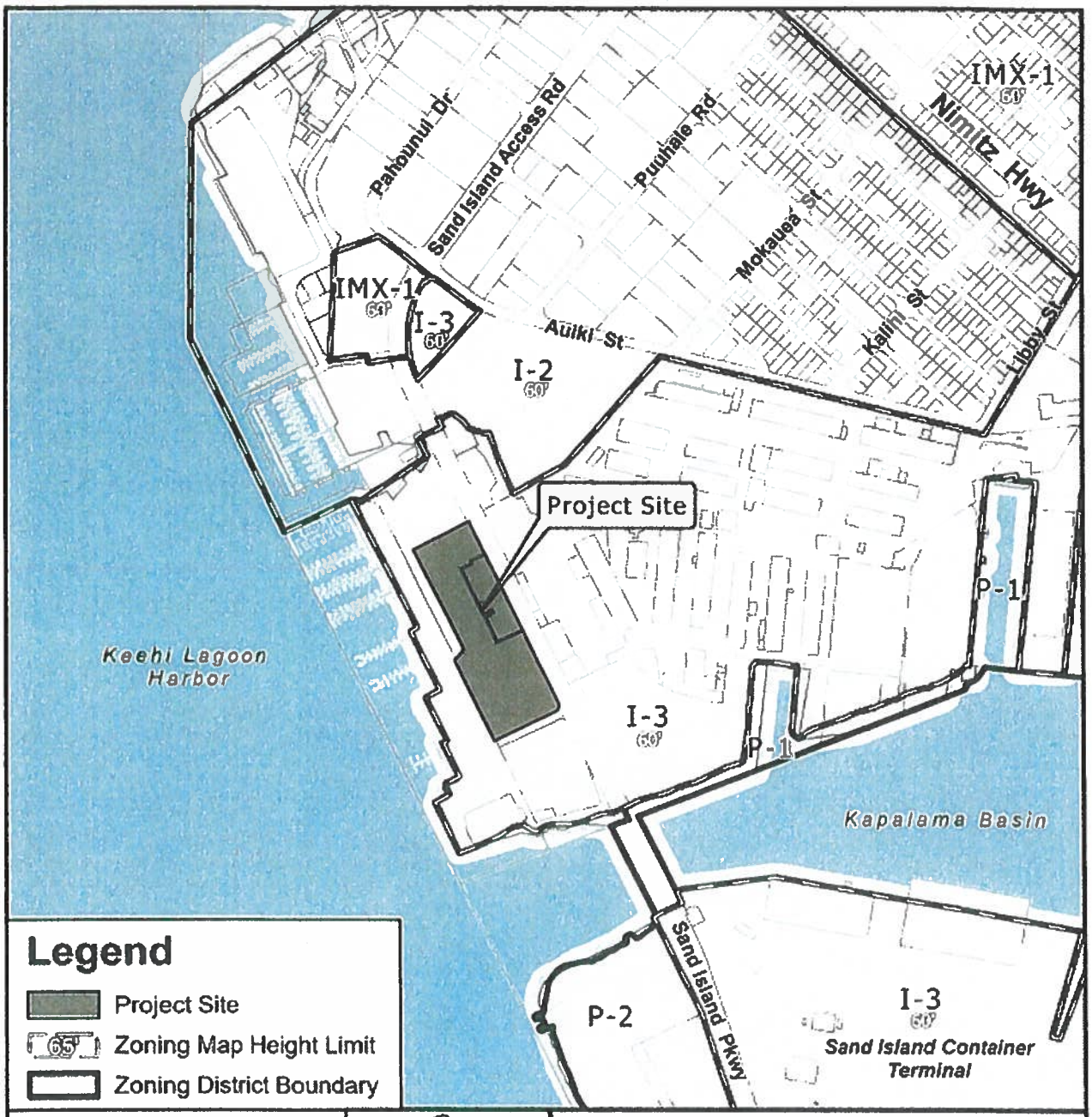


EXHIBIT B **FILE NO.: 2024/SMA-63**



PORTION OF
ZONING MAP
KALIHI - NUUANU

TAX MAP KEY(S): 1-2-025:020 & 021
FOLDER NO.: 2024/SMA-63

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

Date Prepared: 08/2024

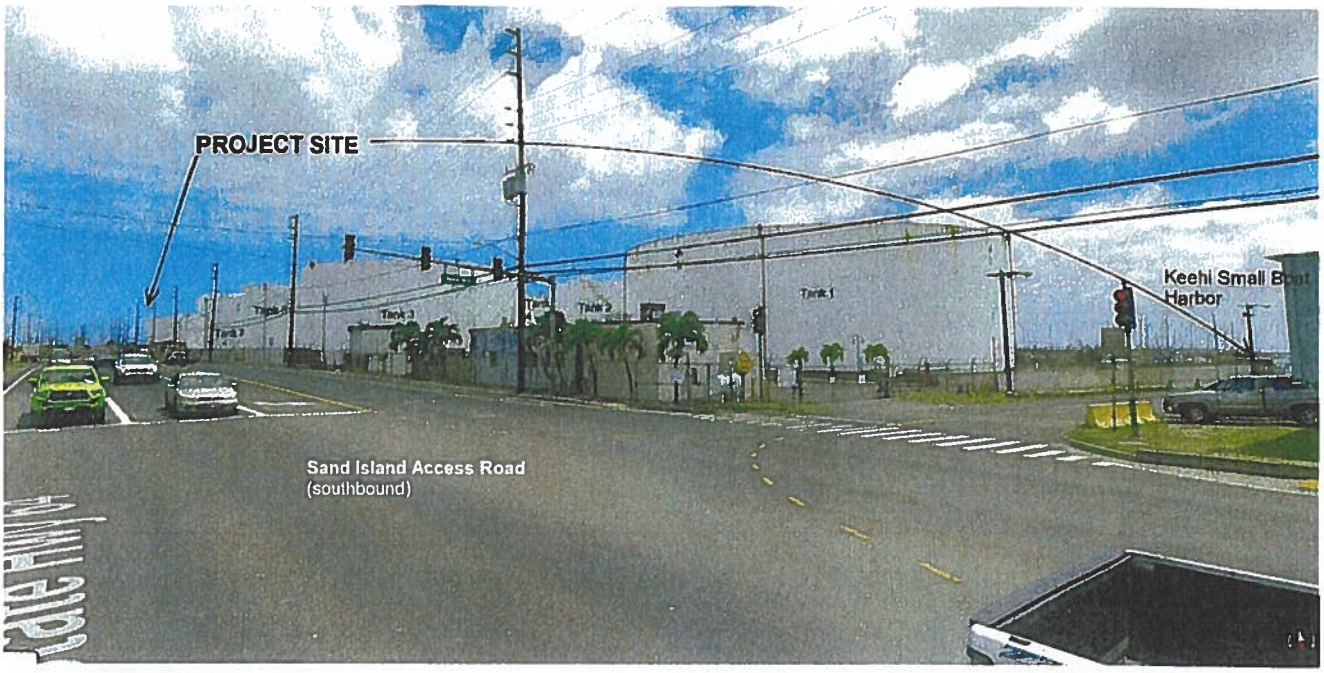
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EXHIBIT C





EXHIBIT D **FILE NO.: 2024/SMA-63**



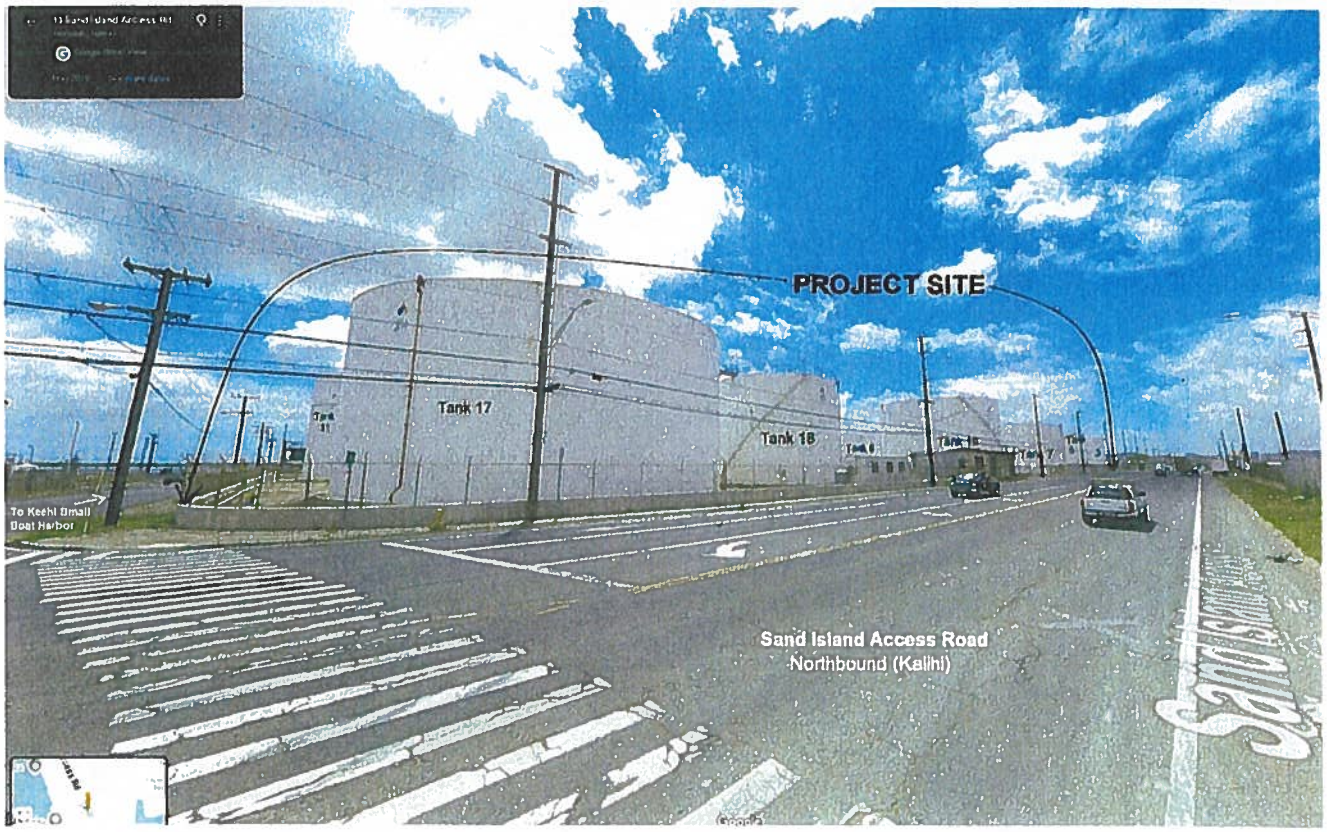
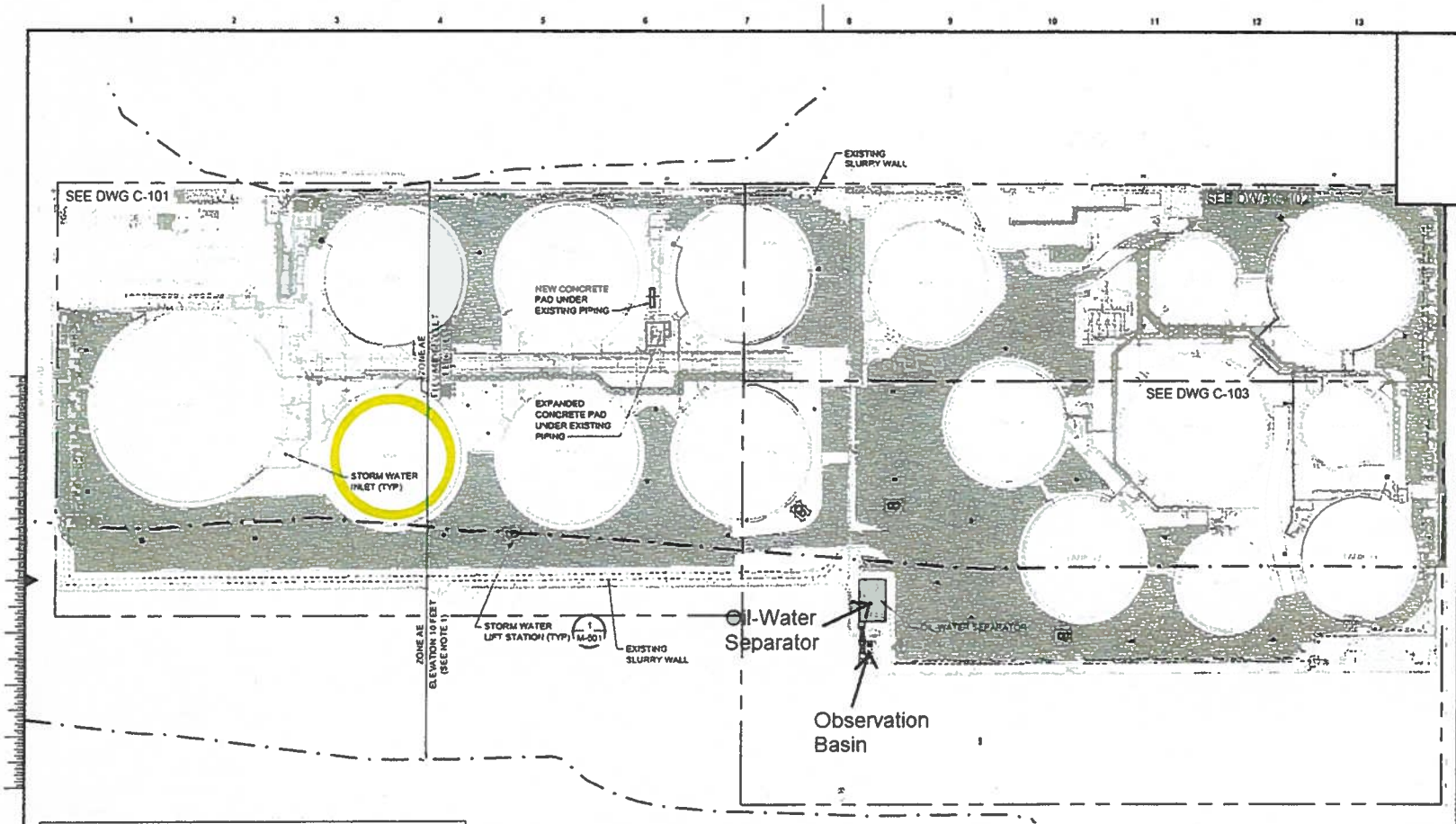


EXHIBIT E

FILE NO.: 2024/SMA-63



CONTROL POINT TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
STA 1.1	55324.97	1677426.92	5.68	BOLT IN WALL
STA 1.2	55030.87	1677563.32	4.40	"Y" MARK ON CONCRETE
STA 1.3	54757.13	1677643.78	9.51	BOLT ON WALL
STA 1.4	55396.27	1677560.09	9.88	"Y" CUT ON WALL
STA 1.5	55275.65	1677716.78	9.89	"Y" CUT ON WALL
STA 1.6	54888.68	1677909.73	8.87	"Y" CUT ON WALL
STA 2.1	54718.03	1677613.33	8.45	"Y" CUT ON WALL
STA 2.2	54402.36	1677758.56	7.93	"Y" CUT ON WALL
STA 2.3	54427.64	1678019.68	8.55	"Y" CUT ON WALL
STA 2.4	54951.13	1678001.62	6.31	"Y" CUT ON CONCRETE
STA 2.5	54778.13	1677930.29	9.57	"Y" CUT ON WALL

CONTROL POINT NOTES:

1. CONTROL POINTS ARE FROM A SURVEY BY ACE LAND SURVEYING, LLC DATED JUNE 30, 2016.
2. COORDINATES AND ELEVATIONS ARE DERIVED FROM A FEDERAL BENCHMARK "NALO MELI" (DL6020). A BRASS DISK REFERENCED TO NAD 83 (PA11), N 54,154.01 E 1,678,007.31. ELEV 6.40 FEET.
3. BENCHMARK DATA IS PROVIDED BY THE NATIONAL GEODETIC SURVEY WITH CONVERSIONS TO ZONE HI 3-5103, US FEET.

NOTES:

1. FEMA ZONE AE SPECIAL FLOOD HAZARD AREAS OF DIFFERENT BASE FLOOD ELEVATIONS AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP NUMBER 15003C0353G, MAP REVISED JANUARY 19, 2011

LEGEND:

- ASPHALT PAVEMENT *APPROX. 105,633 SQUARE FEET*
- ELASTOMERIC LINER *APPROX. 100,127 SQUARE FEET*
- ELASTOMERIC LINER - DRIVABLE *APPROX. 1,183 SQUARE FEET*

EXHIBIT F-1

FILE NO.: 2024/SMA-63

no.	date	by	chd	description
A	08/10/23	MRG	WBB	65% DESIGN

SEE SHEET G-101 FOR TMK REFERENCE LOCATIONS:

AFFECTED	TAX MAP KEYS
☑	12025020
☑	12025021

PRELIMINARY - NOT FOR CONSTRUCTION

BURNS MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114
816-333-9400
LICENSEE NO. 000168

date	detailed
1/17/17	J. EICHENBERGER
designed	checked
M. GREUFE	W. BATTEY

HAWAII FUELING FACILITIES CORPORATION (HFFC)

SAND ISLAND STORAGE FACILITY
HONOLULU INTERNATIONAL AIRPORT (HNL)
50 SAND ISLAND ACCESS RD.
HONOLULU, HI 96819

SAND ISLAND STORMWATER

OVERALL SITE PLAN

project	contract
131700	
drawing	rev.
C-100	A

file 131700_C-100.DWG

C-tabs are welded on exterior of the tank then tank shell perimeter is cut

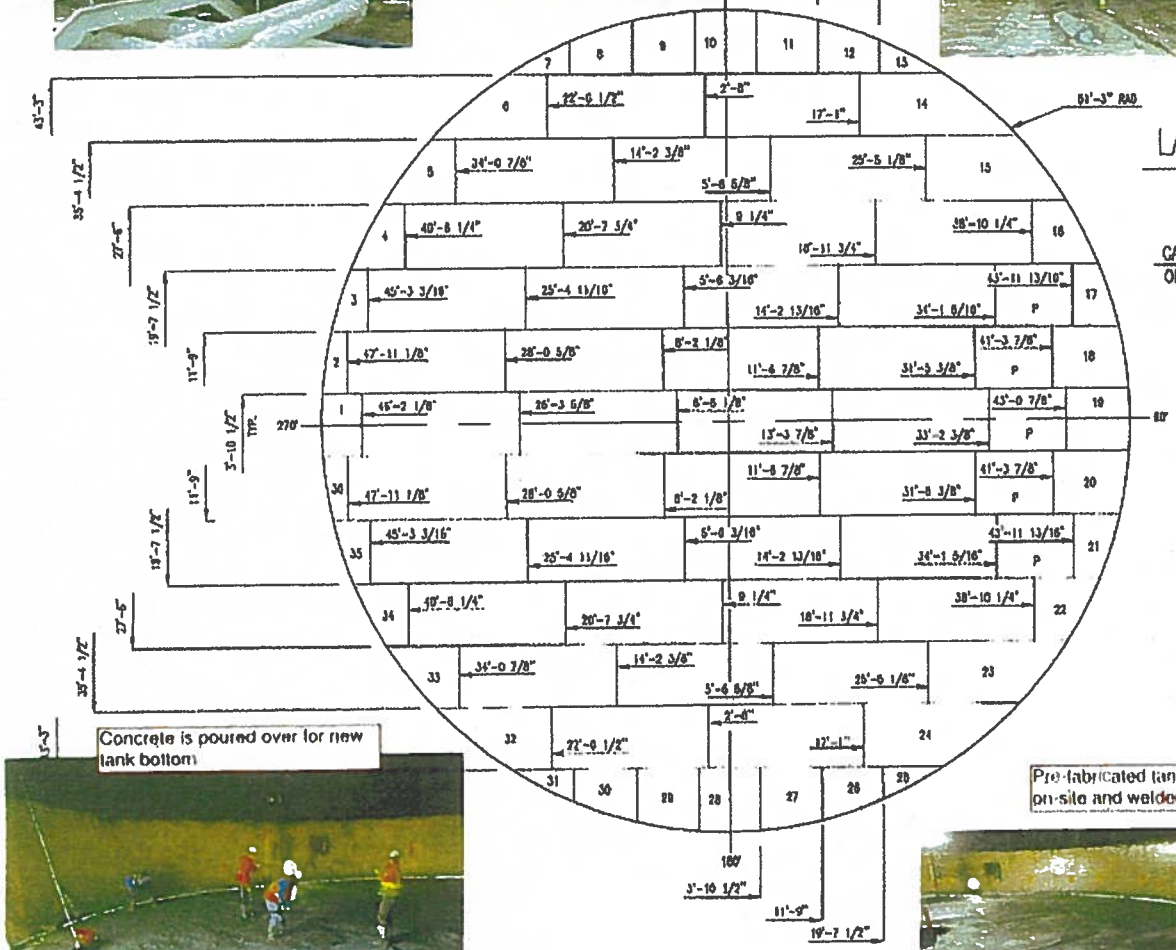




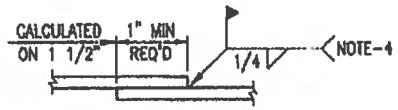
New tank bottom liner is installed



NOTE:
1. WPG – 1 OR HIGHER UNLESS NOTED.
2. NDE – VB1 UNLESS NOTED.
3. SHELL-TO-BOTTOM WELDS SHALL BE WELDED WITH SM-064-1 (OR APPROPRIATE WPS w/LOW HYDROGEN ELECTRODES) WITH MINIMUM 2 PASS ON EACH SIDE. THE INSIDE PASS SHALL BE DYE PENETRANT TESTED (PT2) AND ALL PASSES SHALL BE MAGNETIC PARTICLE TESTED (MT1).
4. ALL BOTTOM PLATE LAP WELDS IN CRITICAL ZONE SHALL BE MAGNETIC PARTICLE (MT1) OR LIQUID PENETRANT (PT1) TESTED.
5. REFER TO LETTER FROM MATRIX PDM ENGINEERING FOR ADDITIONAL HYDRO-EXEMPTION REQUIREMENTS BEFORE RETURNING TANK TO SERVICE.

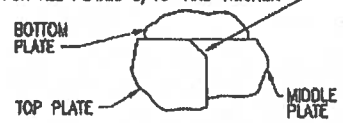


LAP PLATES TOWARD CENTER OF TANK

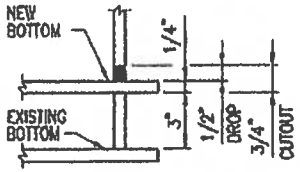


TYPICAL LAP JOINT

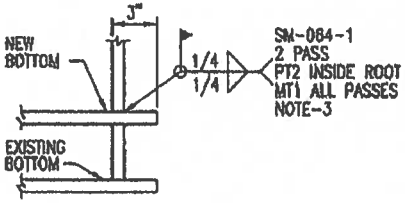
CUT OFF CORNER OF TOP PLATE 1/2" X 1/2" FOR ALL PLATES 5/16" AND THICKER



THREE PLATE LAP CORNER DETAIL



BOTTOM SLOT DETAIL



CORNER WELD DETAIL

Concrete is poured over for new tank bottom

Pre-fabricated tank plates are assembled on-site and welded in place



NO.	REVISION DESCRIPTION	BY	DATE
3			
2			
1	-	-	-

MATRIX PDM ENGINEERING

TITLE: BOTTOM LAYOUT/HYDRO-EXEMPT

CUSTOMER: BURNS MCDONNELL-SIGNATURE

CITY: HONOLULU STATE/PROVINCE: HI

TANK NO.: T-3 DIAMETER: 180'-0 HEIGHT: 48'-0

	BY	DATE	STD. NO.: 0209	SCALE: NONE
DRAWN:	WS	06/21/2021	DWG: 05A	
CHECKED:	WS	06/21/2021		
APPROVED:	HA	06/21/2021	JOB: 2572-1076A	REV: 0

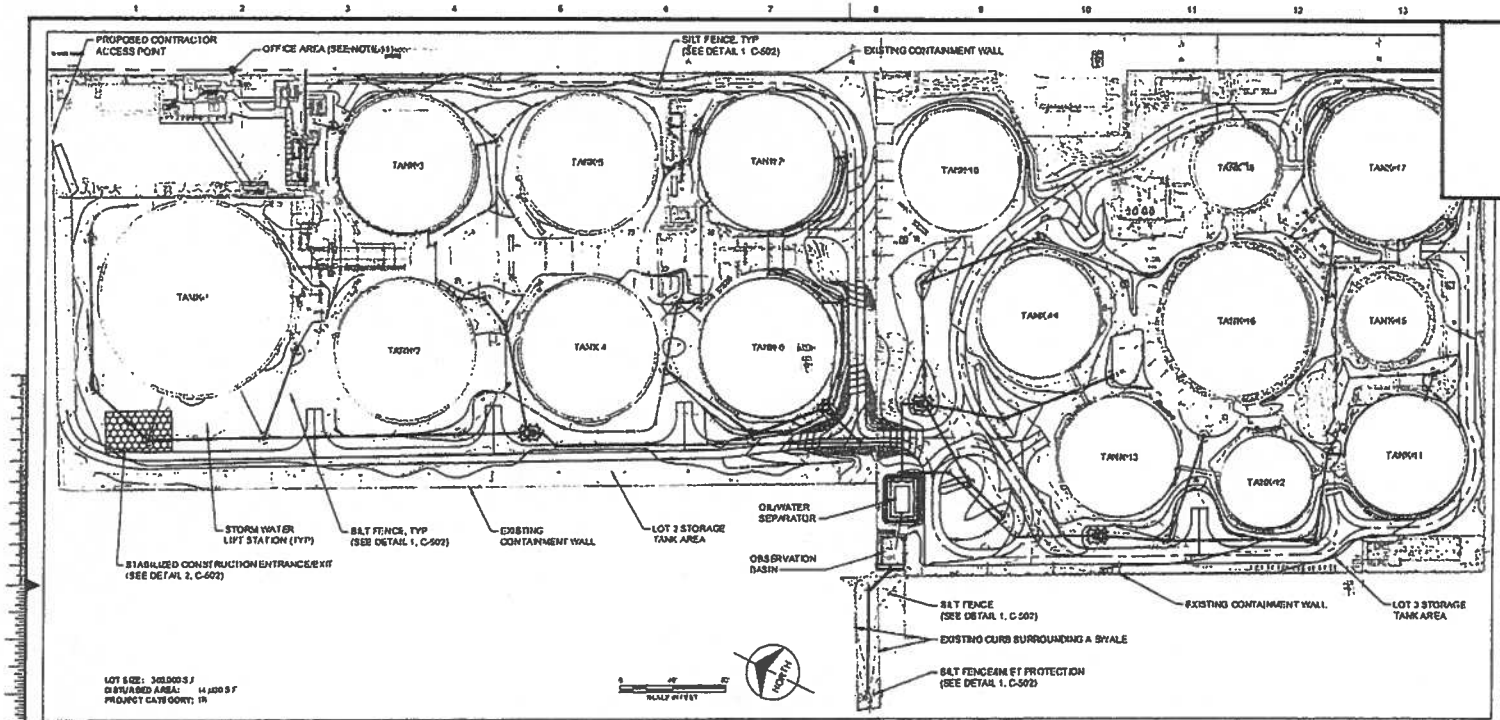
ISSUED FOR APPROVAL & CONST

EXHIBIT F-2

FILE NO.: 2024/SMA-63

EXHIBIT F-3

FILE NO.: 2024/SMA-63



EXISTING CONDITION NOTES:

1. THE STORAGE TANK AREA IS SURROUNDED BY A CONCRETE WALL APPROXIMATELY 4 FT HIGH, THAT IS DESIGNED TO CONTAIN FUEL SPILLS. THE SURFACING IN THIS AREA IS A COMBINATION OF AGGREGATE SURFACING AND EARTH SURFACING (NON-VEGETATED). AREAS TO BE DISTURBED ARE FOR CONSTRUCTION OF NEW STORM DRAIN PIPING AND STRUCTURES (BELOW-GRADE), AND FOUNDATIONS FOR AN ABOVE-GRADE STRUCTURE.
2. THE OFFICE AREA IS ELEVATED ABOUT 4 FT ABOVE THE STORAGE TANK AREA, AND IS ASPHALT-SURFACED. AREAS TO BE DISTURBED ARE FOR THE REMOVAL ASPHALT PAVEMENT TO INSTALL REINFORCED CONCRETE BUILDING AND GENERATOR FOUNDATIONS AND UNDERGROUND ELECTRICAL DUCTBANK.

EROSION CONTROL NOTES:

1. SEE THE CITY AND COUNTY OF HONOLULU CONSTRUCTION STORM WATER BEST MANAGEMENT PRACTICE MANUAL DATED FOR NOVEMBER 2011 FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MATERIALS GUIDELINES.
2. CONSTRUCTION ACTIVITY POLLUTION PREVENTION IS REQUIRED FOR THIS PROJECT. PREVENTION OF POLLUTION RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE ACCOMPLISHED BY CONTROLLING SOIL EROSION, WATERWAY SEDIMENTATION, AND AIRBORNE DUST GENERATION. SUBCONTRACTOR SHALL ENSURE THAT NO SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES IMPINGES ONTO ADJACENT PROPERTIES. SUBCONTRACTOR SHALL COORDINATE EROSION AND SEDIMENT CONTROL WITH OTHER CONSTRUCTION ENTITIES PERFORMING WORK ON ADJACENT PROPERTIES.
3. ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES. PRIOR TO INITIATING CONSTRUCTION IN AN AREA, ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE. UPON PROJECT COMPLETION ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.
4. ALL BMP CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY RAINFALL EVENT OF 0.5 INCHES OR GREATER WITHIN A 24 HOUR PERIOD. ALL CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. IF REPAIR IS NECESSARY IT SHALL BE INITIATED WITHIN 48 HOURS AFTER INSPECTION. BUILT-UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
5. SUBCONTRACTOR SHALL UTILIZE THE CONSTRUCTION SITE BMPS WEEKLY CHECKLIST PROVIDED IN APPENDIX D OF THE CITY AND COUNTY OF HONOLULU STORM WATER MANAGEMENT PROGRAM PLAN.
6. THE PROJECT SITE IS PRIMARILY LOCATED WITHIN A FUEL STORAGE TANK CONCRETE DIKE WALL CONTAINMENT SYSTEM.
7. IN ACCORDANCE WITH CHAPTER 11-60.1, AIR POLLUTION CONTROL, TITLE 11, HAWAII ADMINISTRATIVE RULES, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EFFECTIVE CONTROL MEASURES ARE PROVIDED TO PREVENT OR MINIMIZE ANY VISIBLE DUST EMISSIONS CAUSED BY THE CONSTRUCTION WORK IMPACTING THE SURROUNDING AREAS INCLUDING THE OFF-SITE ROADWAYS USED TO ENTER/EXIT THE PROJECT AREAS. THESE MEASURES INCLUDE BUT NOT LIMITED TO THE USE OF WATER TRUCK WASHES, SPRINKLER SYSTEMS, DUST FENCES, ETC.
8. IN ACCORDANCE WITH CHAPTER 11-55, WATER POLLUTION CONTROL AND CHAPTER 11-54, WATER QUALITY STANDARDS, TITLE 11, HAWAII ADMINISTRATIVE RULES, THE PROPERTY OWNER/PROJECT DEVELOPER AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE BEST MANAGEMENT PRACTICES (BMP) TO PREVENT OR MINIMIZE THE DISCHARGE OF SEDIMENTS, DEBRIS AND OTHER WATER POLLUTANTS INTO STATE RECEIVING WATERS IS PROVIDED AT ALL TIMES.
9. IN ACCORDANCE WITH CHAPTER 11-58, SOLID WASTE CONTROL, TITLE 11, HAWAII ADMINISTRATIVE RULES, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT DEBRIS MATERIALS, DEMOLITION WASTE AND CONSTRUCTION MATERIAL WASTE GENERATED BY THE PROJECT ARE DISPOSED OF IN A MANNER OR AT A SITE APPROVED BY THE STATE DEPARTMENT OF HEALTH.
10. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS FROM THE DEPARTMENT OF HEALTH INCLUDING BUT NOT LIMITED TO NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), NOTICE OF INTENT AND GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES, HYDROTESTING AND DEWATERING DISCHARGES PRIOR TO COMMENCING CONSTRUCTION.
11. ANY MATERIAL STOCKPILES IN THE OFFICE AREA SHALL BE COVERED WITH PLASTIC THAT IS SECURED WITH SANDBAGS. SEE ADDITIONAL INFORMATION ON DRAWING C-101.
12. SEE DRAWING C-002 FOR ALL OTHER GENERAL EROSION CONTROL NOTES.

LEGEND:

- EXISTING CONTOURS
- PROPOSED CONTOURS
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE/EXIT
- GRADING/DISTURBED AREA LIMITS
- FLOWLINE

no	date	by	chd	description
A	09/2422	WBG	BTH	90% DESIGN
B	07/09/23			PROGRESS PRINT

SEE SHEET G-101 FOR TMK REFERENCE LOCATIONS:

AFFECTED	TAX MAP KEYS
☐	12025020
☐	12025021

PRELIMINARY - NOT FOR CONSTRUCTION

BURNS MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114
816-333-9400
LICENSEE NO: 000165

date	detailed
05/05/2021	J. EICHENBERGER
designed	checked
W. BATTEY	B. HANSEN

HAWAII FUELING FACILITIES CORPORATION (HFFC)

SAND ISLAND STORAGE FACILITY
HONOLULU INTERNATIONAL AIRPORT (HNL)
50 SAND ISLAND ACCESS RD.
HONOLULU, HI 96819

SAND ISLAND STORMWATER

EROSION CONTROL PLAN

project	contract
131790	

drawing	rev.
C-200	A

File: 131790_C-200.DWG

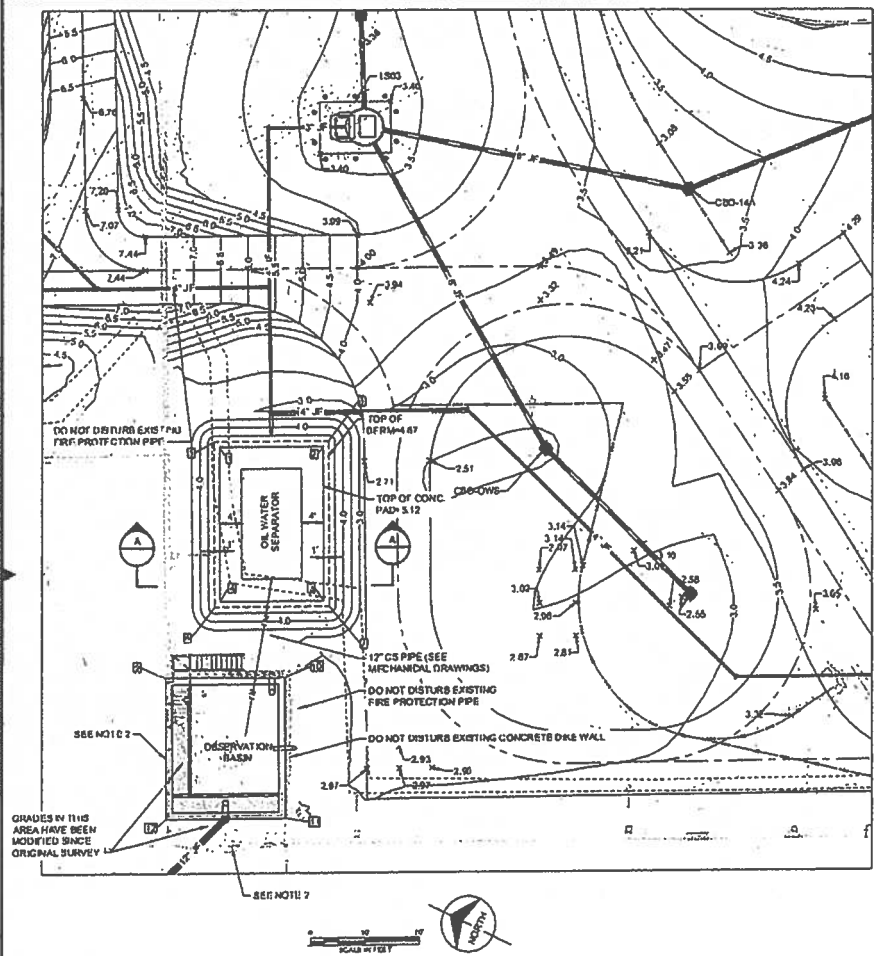
EXHIBIT F-4 **FILE NO.: 2024/SMA-63**

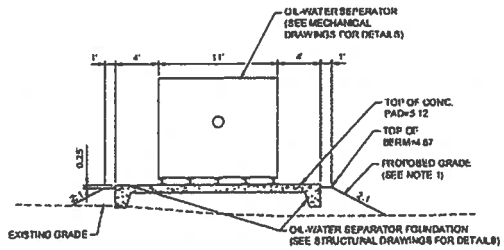
EXHIBIT F-5

FILE NO.: 2024/SMA-63

EXHIBIT F-6

FILE NO.: 2024/SMA-63





SECTION A

SCALE IN FEET

POINT TABLE				
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	8474529	1677845.69	5.12	TOP/CONC PAD
2	8473919	1677830.38	5.12	TOP/CONC PAD
3	8473703	1677828.33	5.12	TOP/CONC PAD
4	8473415	1677809.84	5.12	TOP/CONC PAD
5	8474170	1677845.95	4.67	TOP CRUDE/BERM
6	8473973	1677834.71	4.67	TOP CRUDE/BERM
7	8473970	1677827.48	4.67	TOP CRUDE/BERM
8	8473461	1677849.10	4.67	TOP CRUDE/BERM
9	8473714	1677901.03	9.48	TOP OUTSIDE CORNER/BASIN
10	8473741	1677917.80	9.48	TOP OUTSIDE CORNER/BASIN
11	8473811	1677880.23	9.48	TOP OUTSIDE CORNER/BASIN
12	8473583	1677879.72	9.48	TOP OUTSIDE CORNER/BASIN

NOTES:

1. INSTALL GEOCELL ON ALL SIDE SLOPES AND TOP OF OIL WATER SEPARATOR ACCESS. GEOCELL SHALL BE PRESTO GEOSYSTEMS GEOWEB NO. GW30U 4" DEPTH GEOTEXTILE UNDER GEOCELL SHALL BE PER SPECIFICATION. AGGREGATE FILL FOR THE GEOCELL SHALL BE SIZE 57 PER SPECIFICATION. GEOCELL AND GEOTEXTILE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
2. REMOVE AND REPLACE EXISTING CHAIN LINK FENCE AS REQUIRED TO CONSTRUCT OBSERVATION BASIN COORDINATE TEMPORARY SECURITY MEASURES WITH CONTRACTOR.

no	date	by	chd	description
A	06/24/21	WEB	BTH	90% DESIGN
B	07/05/22			PROGRESS PRINT

SEE SHEET G-101 FOR TMK REFERENCE LOCATIONS.

AFFECTED	TAX MAP KEY#
☒	12025020
☐	12021021

PRELIMINARY - NOT FOR CONSTRUCTION

BURNS MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114
816-333-9400
LICENSEE NO. 000185

date	submitted
05/05/2021	J KICHENBERGER
designed	checked
W. BATTEY	B HANSEN

HAWAII FUELING FACILITIES CORPORATION (HYPC)

SAND ISLAND STORAGE FACILITY
HONOLULU INTERNATIONAL AIRPORT (HNL)
60 SAND ISLAND ACCESS RD.
HONOLULU, HI 96819

SAND ISLAND STORMWATER

GRADING ENLARGEMENT PLAN

project	contents
131790	

drawing C-201 — rev. A

file 131790_C-201.DWG

Seal: STATE OF HAWAII — THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

\\BUCOD01\CLIENTS\HNL\131790_BCS\DATA\SHOP DRAWINGS\DWG\SHEETS\131790_C-201.DWG 4/19/2023 10:43 AM JCOCHENBERGER

OIL WATER SEPARATOR *(Source: Sales brochure Highland Tank & Mfg. Co.)*



Rectangular oil water separators can be installed aboveground to help industrial facilities comply with the EPA's spill and discharge regulations. Like our cylindrical underground units, these separators are equipped with our non-clogging Corella™ coalescers that accelerate the separation process and greatly reduce the level of oil and oily coated solids discharged into municipal storm or sanitary sewer.

Highland Tank oil/water separators set the standard for reliability. Our separators are highly efficient treating wastewater under a wide range of conditions at fueling facilities, repair and maintenance shops, vehicle wash areas and many other industrial locations.

easy to install, operate & maintain

UL-2215 LISTED

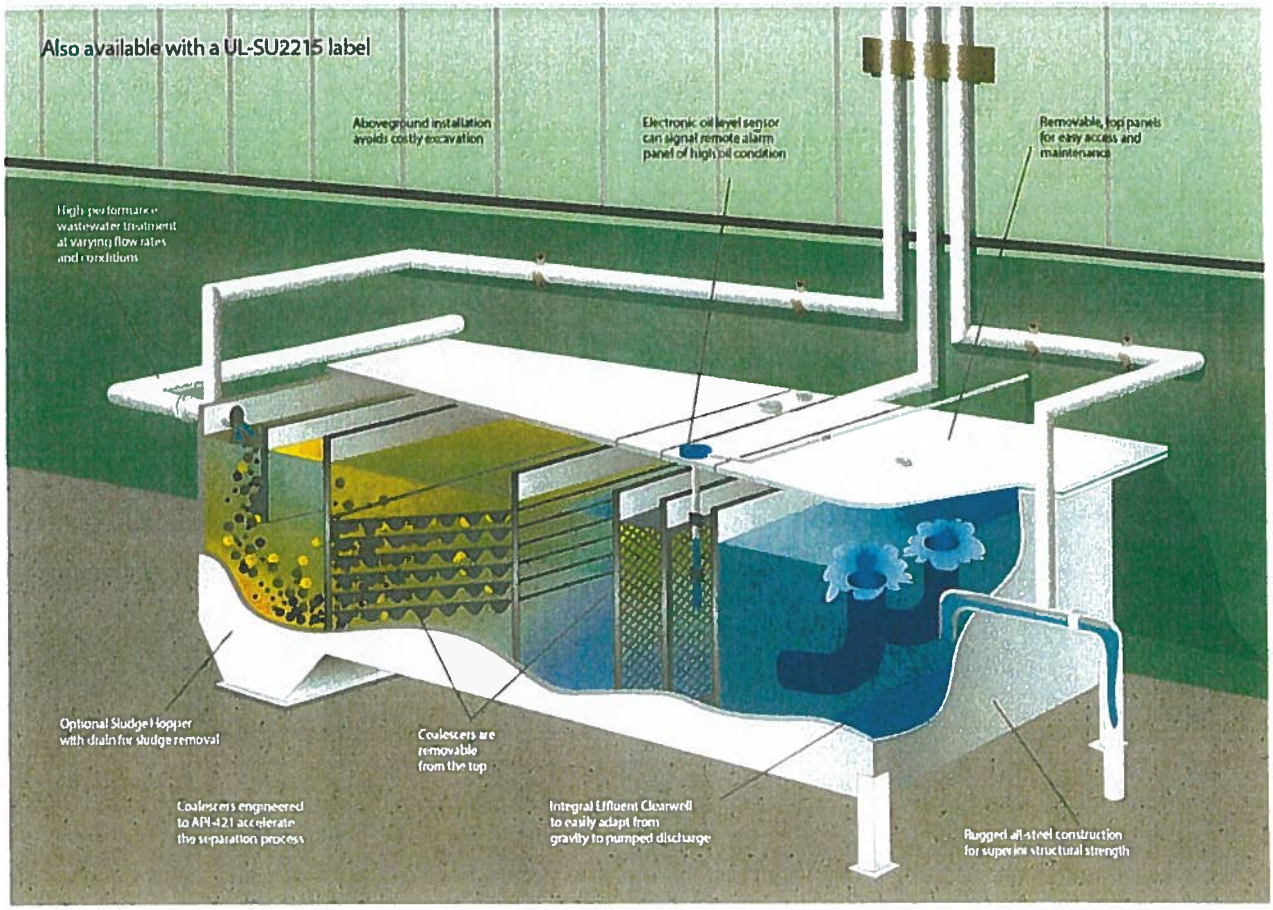
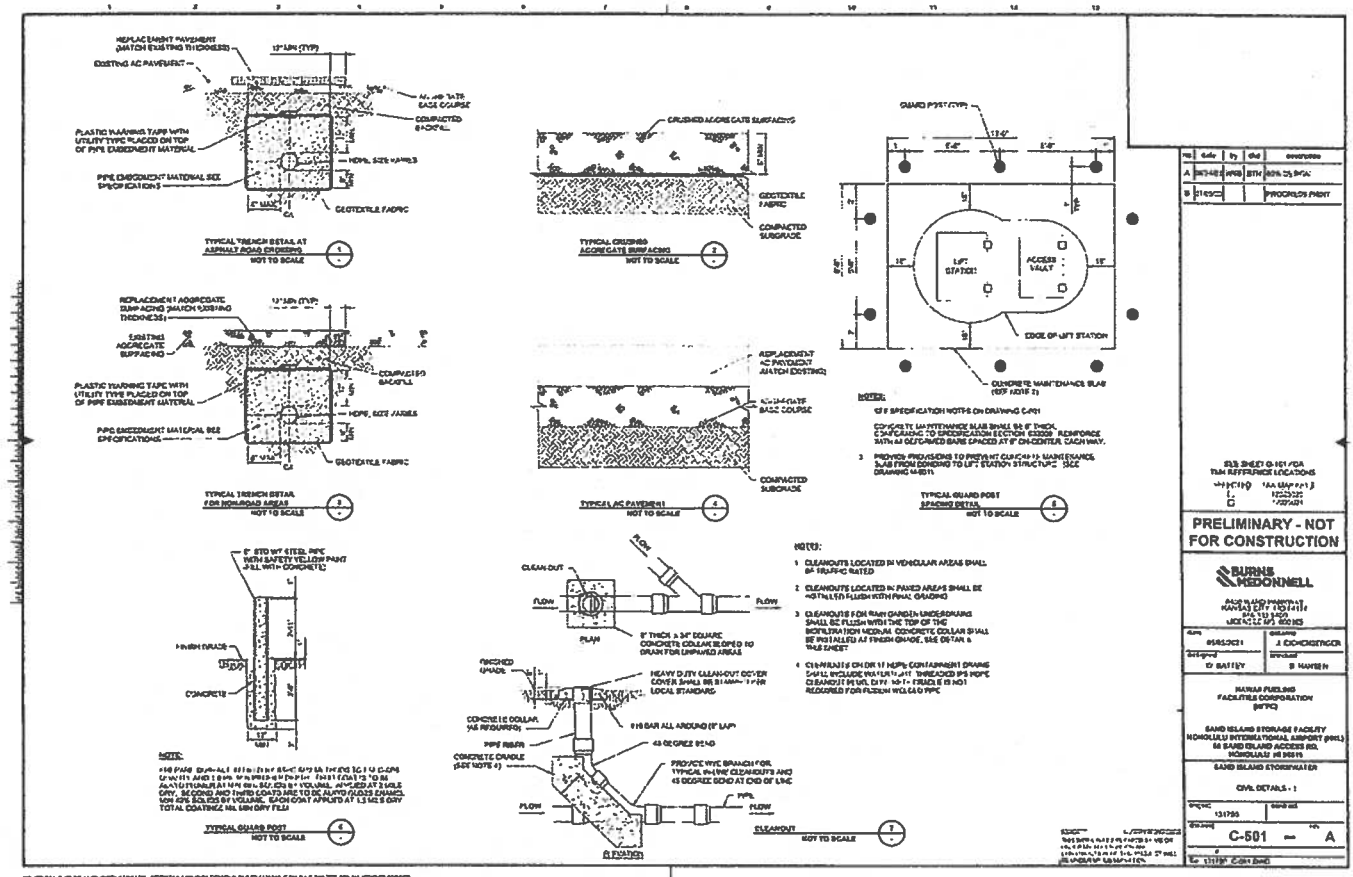


EXHIBIT F-7 **FILE NO.: 2024/SMA-63**



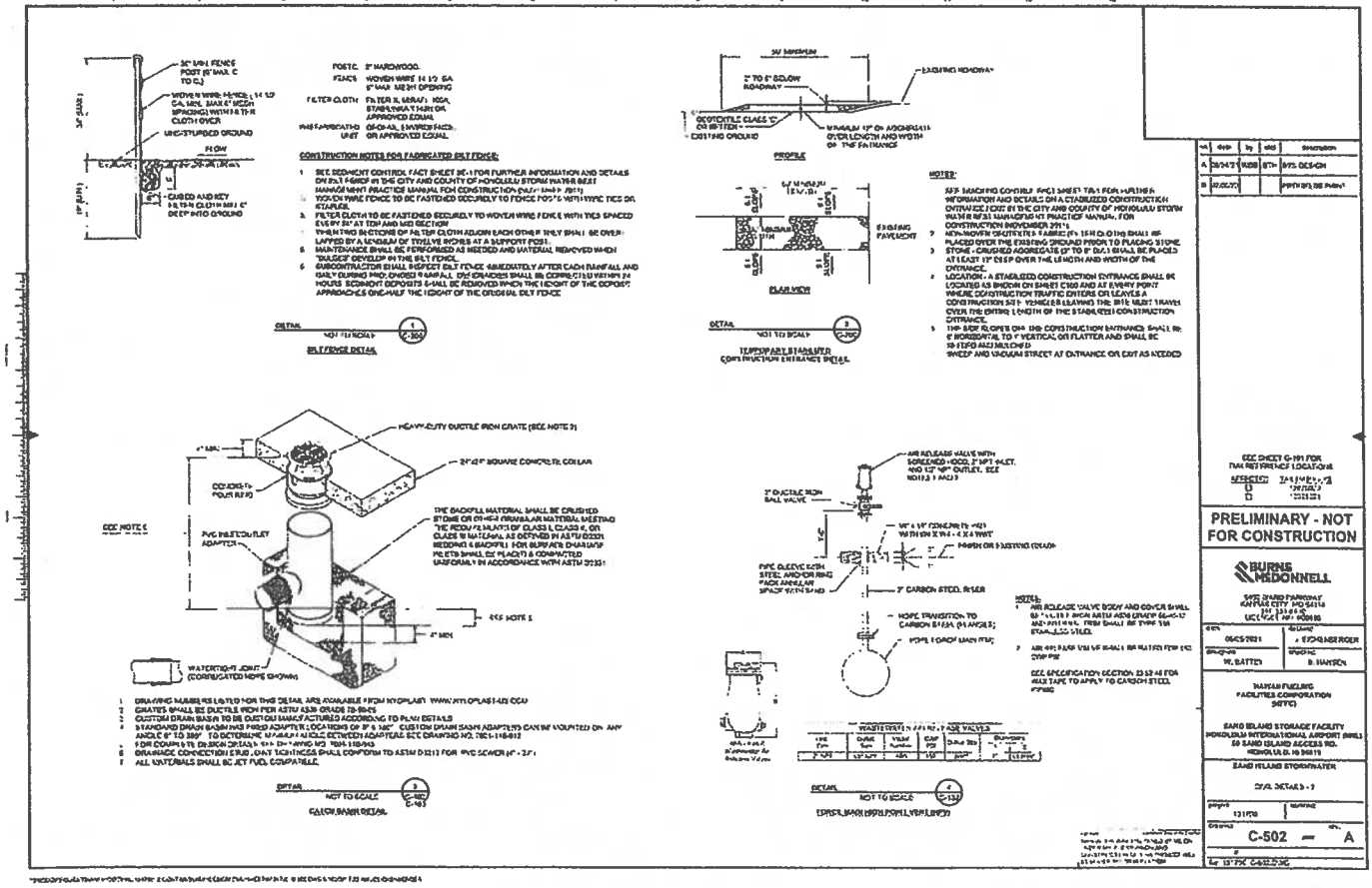


EXHIBIT F-8 **FILE NO.: 2024/SMA-63**

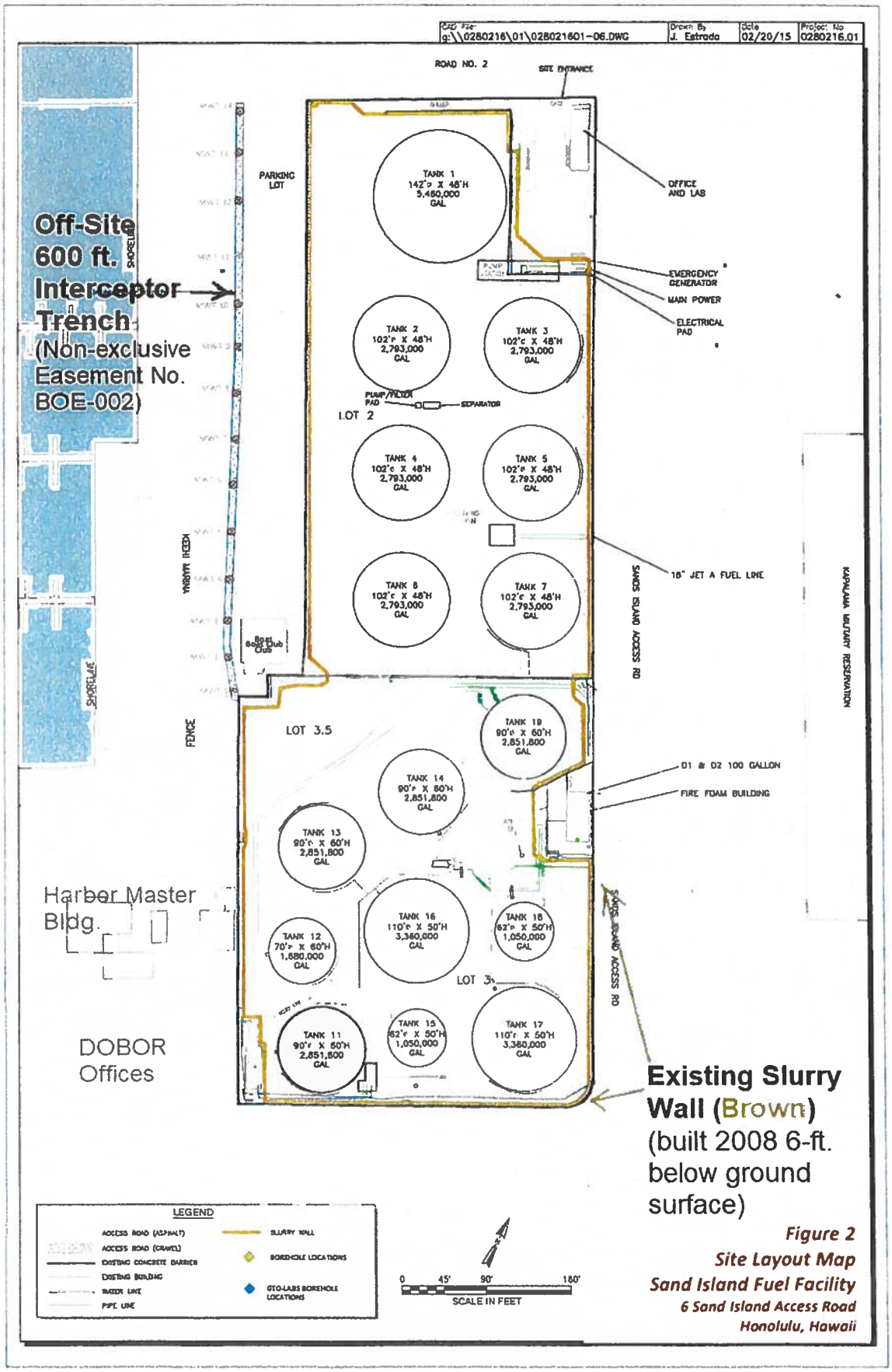


Figure 2
Site Layout Map
Sand Island Fuel Facility
6 Sand Island Access Road
Honolulu, Hawaii

EXHIBIT F-9

FILE NO.: 2024/SMA-63

HNL Sand Island Terminal
Slurry Wall
(Page 2 of 2)

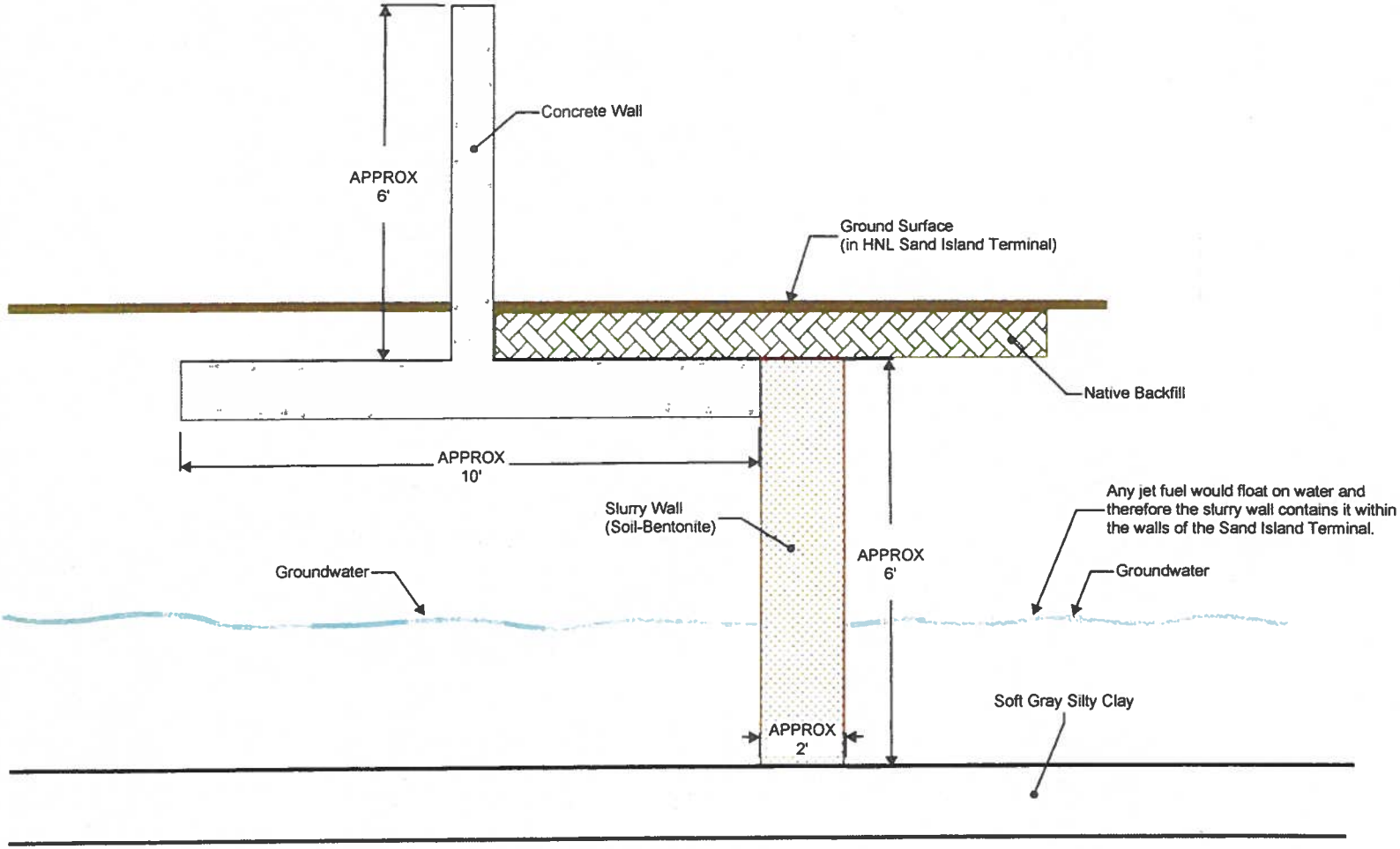


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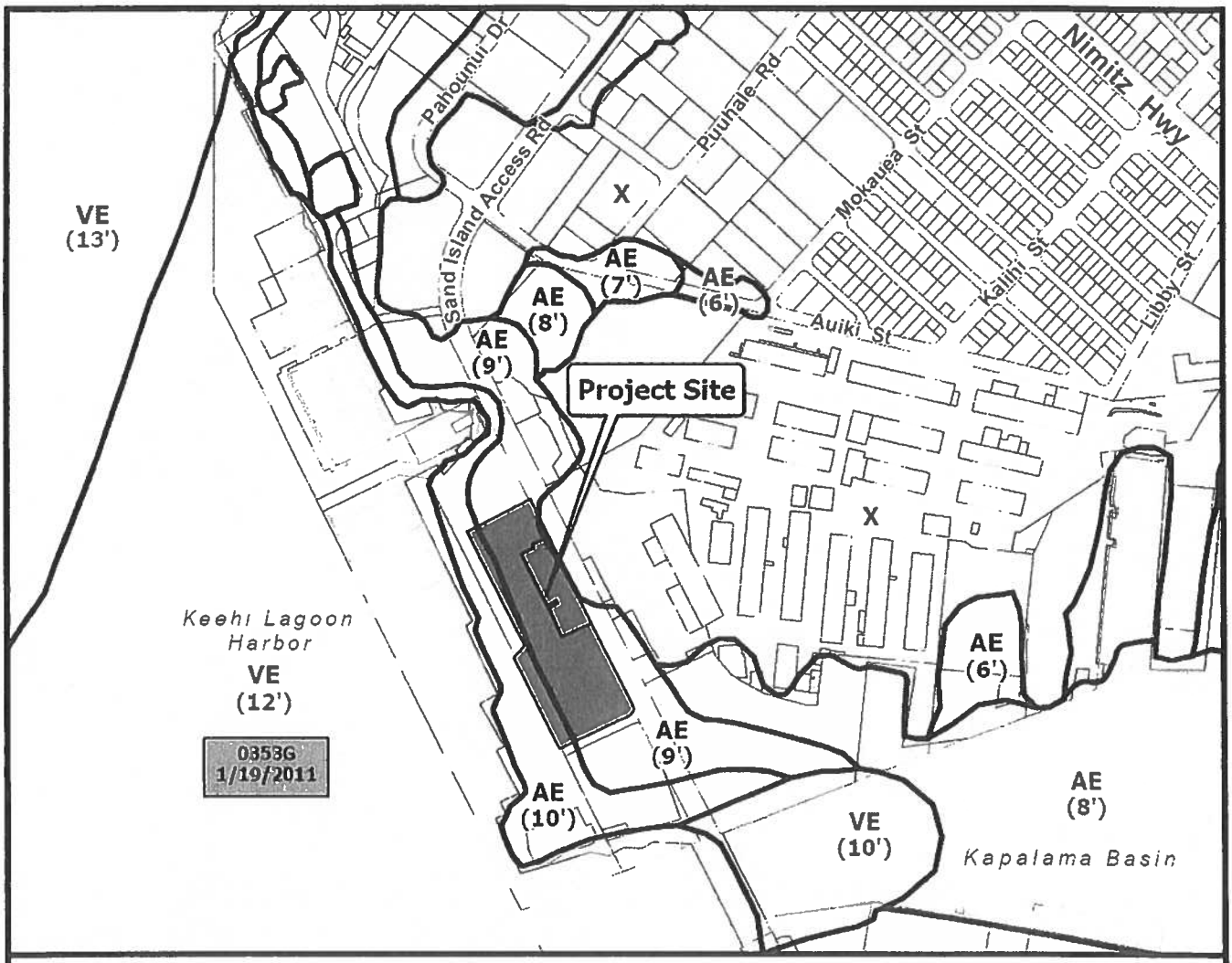
SOILS MAP



WETLAND MAP (U.S. Fish and Wildlife Service)



EXHIBIT G **FILE NO.: 2024/SMA-63**



Legend

- Project Site
- Flood Zones
- (9') Base Flood Elevation (Uniform Within Zone)
- FIRM Flood Panel (Index) 2014

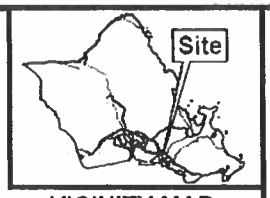
Flood Hazard Zones:
SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. The Base Flood Elevation (BFE) is the water-surface elevation of the 1% annual chance flood.

Zone **AE** = BFE determined
Zone **VE** = Costal flood zone with velocity hazard (wave action), BFE determined

Other Areas:
Zone X = Areas determined to be outside the 0.2% annual chance floodplain.

0 250 500 1,000
Distance in Feet



VICINITY MAP

PORTION OF
FLOOD HAZARD MAP

FIRM PANEL 15003C0353G

TAX MAP KEY(S): 1-2-025:020 & 021
FOLDER NO.: 2024/SMA-63

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

Date Prepared: 08/2024

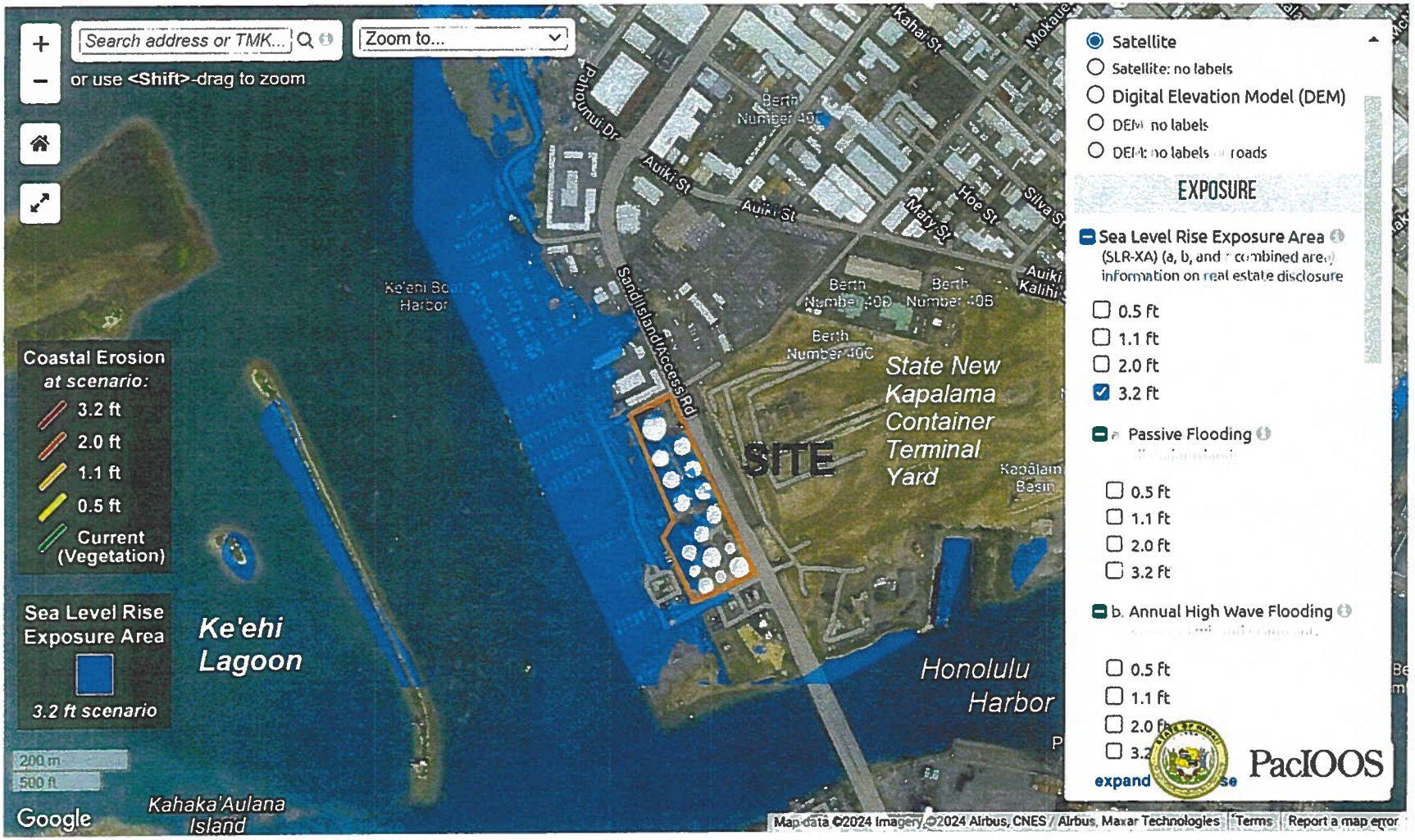
Copyright City & County of Honolulu
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EXHIBIT H **FILE NO.: 2024/SMA-63**

Sea Level Rise : State of Hawai'i Sea Level Rise Viewer

An Interactive Mapping Tool in Support of the State of Hawai'i Sea Level Rise Vulnerability and Adaptation Report

view full-screen map

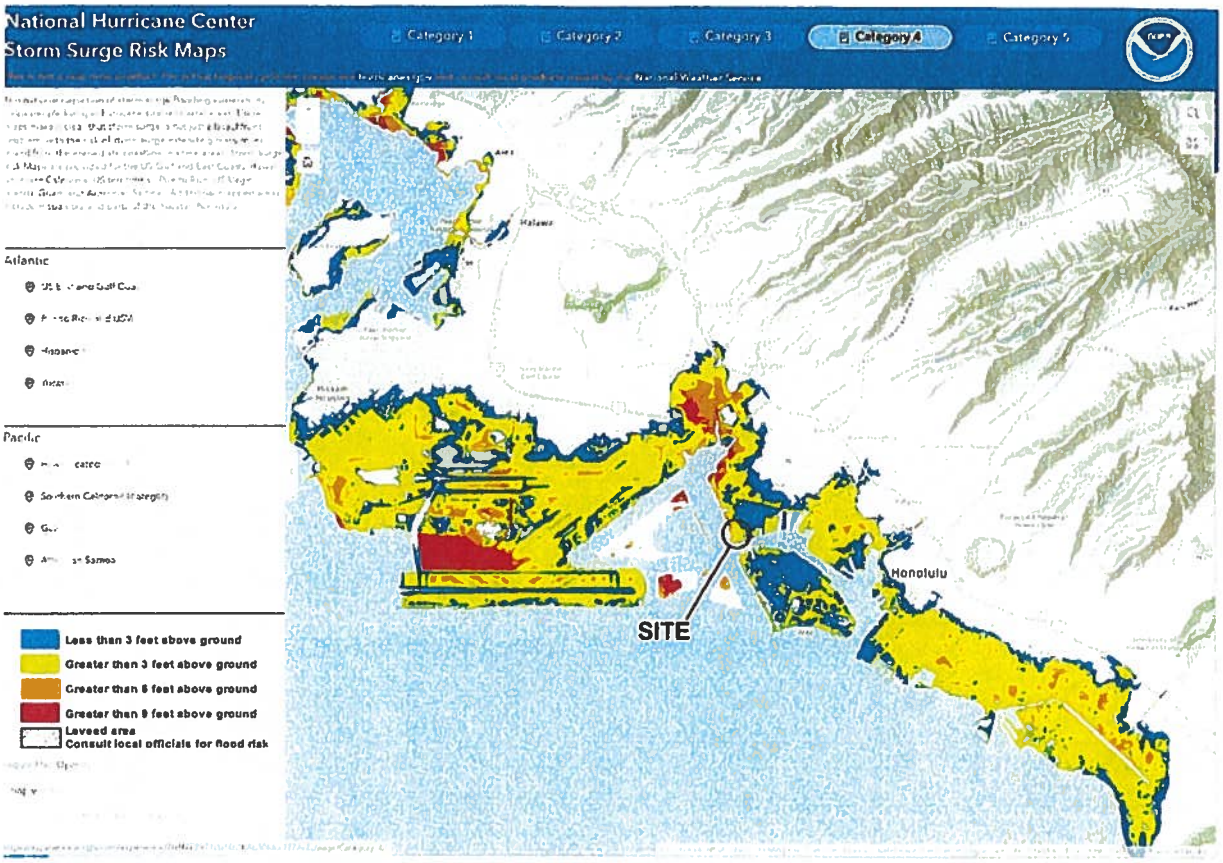


opacity: 50%

cursor: 21.3157°, -157.8865°

EXHIBIT I

FILE NO.: 2024/SMA-63



TSUNAMI EVACUATION MAP ***(Hawaii Emergency Management Agency)***

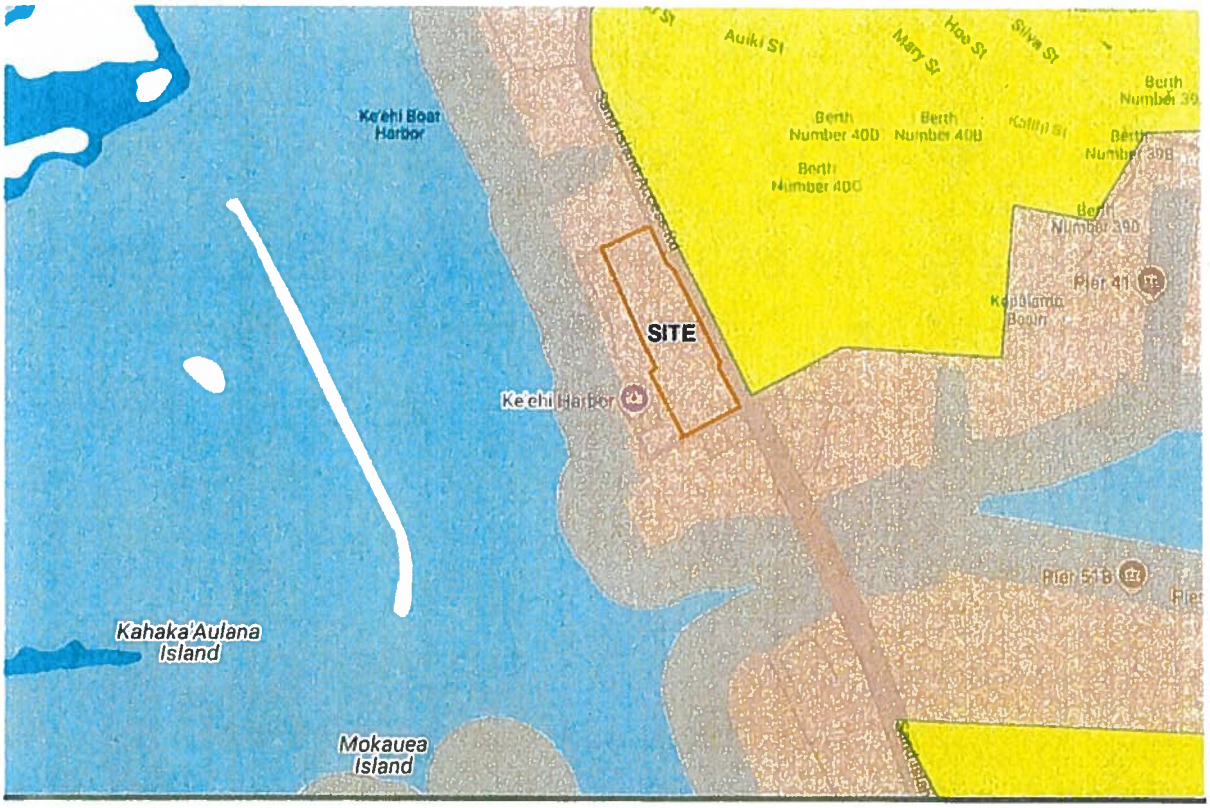


EXHIBIT J

FILE NO.: 2024/SMA-63