

SUMMARY OF PROPOSED COMMITTEE DRAFT:

RESOLUTION 25-108 GRANTING A SPECIAL MANAGEMENT AREA MAJOR PERMIT TO ALLOW IMPROVEMENTS TO THE WAIKĪKĪ AQUARIUM SUPPLY WATER INTAKE SYSTEM AT 2777 KALĀKAUA AVENUE, WAIKĪKĪ, O'AHU.

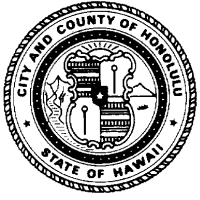
The PROPOSED CD1 makes the following amendments:

- A. Amends the title of the resolution to read as follows:

"GRANTING A SPECIAL MANAGEMENT AREA MAJOR PERMIT TO ALLOW
FOR IMPROVEMENTS TO THE WAIKĪKĪ AQUARIUM SUPPLY WATER
INTAKE SYSTEM AT 2777 KALĀKAUA AVENUE IN WAIKĪKĪ, O'AHU."
- B. Amends the first WHEREAS clause, and adds second, third, fourth, and fifth WHEREAS clauses to clarify the description of the Project.
- C. Amends the seventh WHEREAS clause to remove the reference to the receipt of no written testimony.
- D. Amends the eighth WHEREAS clause to specify that the Department of Planning and Permitting completed its report and transmitted its findings and recommendation of approval to the City Council within 46 (rather than 45) days after the closing of the public hearing (the Applicant having agreed to an extension of the 45-calendar-day administrative deadline).
- E. Deletes duplicate Condition B (which repeats Condition A). Re-letters subsequent conditions.
- F. In re-lettered Condition C.1 (relating to archaeological, historic, and cultural resources) requires the Applicant to consult with the State Historic Preservation Division ("SHPD") in preparing an archaeological monitoring plan ("AMP"); adds that the AMP must include the onsite presence of a SHPD-approved archaeologist during excavation work; and requires the Applicant to implement the AMP during ground-disturbing activity and Project construction.
- G. In re-lettered Condition D (relating to minimizing impacts to endangered, threatened, or protected flora, and minimizing the spread of invasive pathogens, pests, or plants):
 - 1. In Condition D.1, adds the Plant Pono website at www.plantpono.org.
 - 2. In Condition D.2, adds the O'ahu Invasive Species Committee's ("OISC") website at www.oahuisc.org/current-targets/.

- H. In re-lettered Condition E (relating to minimizing impacts to endangered, threatened, or protected fauna):
1. In Condition E.3, adds that the requirement to turn off exterior lighting (not security lights) when there is no human activity occurring in the illuminated area may be achieved by installing automatic motion sensor switches and controls.
 2. In Condition E.9, clarifies that if the nest of any endangered, threatened, or protected (instead of sensitive) avian species is discovered on the Project site, the Applicant is required to contact the Department of Land and Natural Resources Division of Forestry and Wildlife ("DOFAW") and establish and maintain a 100-foot buffer of no activity around all active nest sites or broods until the chicks are capable of flight and fully fledged.
 3. In Condition E.10, clarifies that if State-listed waterbirds such as the Ae'o (Hawaiian stilt), 'Alae ke'oke'o (Hawaiian coot), and 'Alae 'Ula (Hawaiian gallinule) are present on the Project site during construction, all work and activities within 100 feet of the observed waterbird must cease until the waterbird voluntarily leaves the area.
 4. In Condition E.11, clarifies that prior to the start of any ground-based disturbance, including the clearing or trimming of vegetation, the Applicant is required to survey the Project site during crepuscular hours along walk line transects throughout the area to detect any Pueo (Hawaiian short-eared owl) nests. Requires observations of Pueo nests to be reported to DOFAW. A minimum buffer distance of 650 feet must be established around all active nests or broods until the Pueo chicks are capable of flight and fully fledged.
 5. In Condition E.13, clarifies that prior to the start of any tree trimming or removal on the Project site, the Applicant is required to have the Project site surveyed by a qualified biologist to determine the presence and location of any Manu-o-Kū (white tern), and report any observations to DOFAW. Requires the Applicant to implement a tree protection program for any mature trees with nesting or roosting Manu-o-Kū.
 6. In Condition E.14, clarifies that prior to any Project ground-disturbing or construction activity, the Applicant is required to provide seabird fallout information to all Project contractors, subcontractors, and other personnel.
- I. Amends Condition G (relating to other government approvals) to add that the Applicant is required to obtain a zoning waiver to allow for Project structures within the required yards, and a minor Special District Permit (the Project is within the Core Area of the Diamond Head Special District) for major exterior alterations and additions, and new accessory structures.

J. Makes miscellaneous technical and nonsubstantive amendments.



HONOLULU CITY COUNCIL
KE KANIHELA O KE KALANA O HONOLULU
CITY AND COUNTY OF HONOLULU

No. **25-108, CD1**
PROPOSED

RESOLUTION

GRANTING A SPECIAL MANAGEMENT AREA MAJOR PERMIT TO ALLOW FOR IMPROVEMENTS TO THE WAIKĪKĪ AQUARIUM SUPPLY WATER INTAKE SYSTEM AT 2777 KALĀKAUA AVENUE IN WAIKĪKĪ, O'AHU.

WHEREAS, on January 3, 2025, the Department of Planning and Permitting ("DPP") accepted the application (DPP Reference Number 2024/SMA-132) from Oceanit (the "Agent") on behalf of the University of Hawai'i ("UH" or the "Applicant") for a Special Management Area ("SMA") Major Permit to allow for the construction of improvements to the Waikīkī Aquarium ("Aquarium") water intake system and associated electrical and mechanical systems, and reconstruction and expansion of the Edge of Reef Exhibit on approximately 2.35 acres of land zoned P-2 General Preservation District, within the Core Area of the Diamond Head Special District, located at 2777 Kalākaua Avenue, and identified as Tax Map Key 3-1-031:006 (the "Project"); and

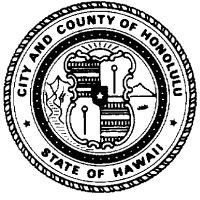
WHEREAS, the Aquarium's water intake system is comprised of three water sources: natural seawater, saltwater well, and freshwater; upgrades are proposed to the saltwater intake system, portions of which are within the shoreline setback area; and

WHEREAS, the Project is intended to improve and modernize the Aquarium's natural seawater and saltwater well intake system to protect against future failure of the existing deteriorating natural seawater intake pipes (which contain asbestos), by replacing the existing seawater intake pipes with eight new intake pipes that are designed to minimize biota entrapment, and installing associated electrical and mechanical systems, including four media filters, two ultraviolet sterilizers, a heat exchanger and chiller air compressors and diffusers, flow meters, level sensors, and other appurtenances; and

WHEREAS, proposed earthwork includes trenching for new underground piping and structural supports; excavation for a new aeration settling tank, new pumps, new pump vault, and new saltwater vault; and reconstruction and extension of the existing pump building; and

WHEREAS, the expansion and modernization of the Edge of Reef Exhibit (outdoor tide pool display) involves increasing the Exhibit area by 500 square feet, from 1,300 square feet to 1,800 square feet; and

WHEREAS, a portion of the proposed work is located within the Shoreline Setback Area, as established in Chapter 26, Revised Ordinances of Honolulu 2021 ("ROH"), and the Applicant has submitted an application for a Shoreline Setback



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Variance ("SSV"), for which the DPP Director must render a decision within 45 days after the Council's adoption of this resolution; and

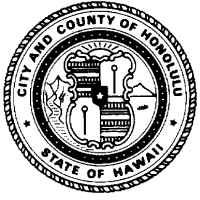
WHEREAS, on February 10, 2025, the DPP held a public hearing at the Fasi Municipal Building 6th floor conference room, which was attended by the Applicant's Project manager and Project engineer, the Applicant's Agent, and DPP staff (no members of the public attended the public hearing); and

WHEREAS, on March 28, 2025, within 46 calendar days after the close of the public hearing (the Applicant having agreed to an extension of the 45-calendar-day administrative deadline), the DPP, having duly considered all evidence and the objectives, policies, and guidelines as established in ROH §§ 25-3.1 and 25-4.1, and §§ 205A-2, 205A-26, and 205A-46, Hawaii Revised Statutes ("HRS"), 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 March 28, 2025, by Departmental Communication 245 (2025), 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 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 F, G-1 and G-2, and H through N, attached hereto and incorporated by reference herein. Any change in the size or nature of the Project that may have 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 may be considered a minor modification and may be permitted under this resolution upon review and approval by the DPP Director.
- B. The Applicant shall obtain a Shoreline Setback Variance approval from the DPP Director prior to proceeding with the Project.

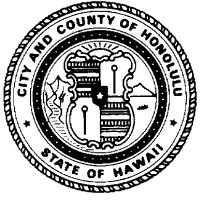


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- C. To minimize impacts to archaeological, historic, and cultural resources that may be present on the Project site, the Applicant shall comply with the following:
1. Prior to the issuance of any construction permit or building permit for the Project, the Applicant, in consultation with the State Historic Preservation Division ("SHPD"), shall prepare an archaeological monitoring plan ("AMP") that meets the standards of Chapter 13-279, Hawaii Administrative Rules. The AMP must include the onsite presence of a SHPD-approved archaeologist during excavation work to ensure that any discoveries of iwi kūpuna or other historic or cultural resources are appropriately handled. The Applicant shall implement the AMP during ground-disturbing activity and Project construction to ensure that archaeological historic and cultural resources are properly identified and treated. The Applicant shall submit to the DPP a copy of SHPD's letter accepting the AMP.
 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, and all mitigation protocols approved or otherwise required by SHPD, including under the AMP, must be clearly stated under "Environmental Notes" on all Project construction permit plans and building permit plans.

- D. To minimize impacts to endangered, threatened, or protected flora that may be present on the Project site, and 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. To the extent practicable, native plant species appropriate for the area must be used for new Project landscaping, with no use of invasive species. A recommended reference is the Plant Pono website at www.plantpono.org.



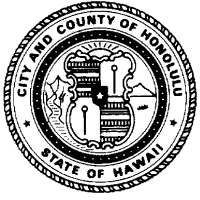
HONOLULU CITY COUNCIL
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CITY AND COUNTY OF HONOLULU

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2. If at any time, species on the O'ahu Invasive Species Committee ("OISC") invasive species target list website at 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.
3. 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 OISC.
4. 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 the 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. All onsite Project workers must be instructed to review the species photos and all Protocols prior to commencing any ground-disturbing or construction activities.
5. To manage host materials and plants that may contain the coconut rhinoceros beetle (in any stage of life), the Applicant shall comply with the State Department of Agriculture's Plant Quarantine Interim Rule restricting the movement of coconut rhinoceros beetle host material.
6. The Applicant shall minimize the importation of soil and structural fill material to the extent possible. No importation of soil or structural fill material is currently proposed.

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

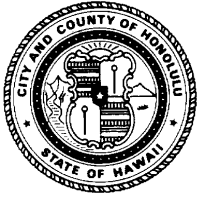


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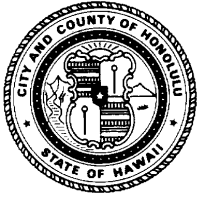
- E. To minimize impacts to endangered, threatened or protected avian, marine and terrestrial fauna that may frequent or traverse the vicinity of the Project site, the Applicant is responsible for the following:
1. All new and replacement outdoor light fixtures must not exceed a color temperature of 3,000 degrees kelvin.
 2. Artificial light from exterior lighting fixtures on the Project site, 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 to project across property boundaries toward the shoreline and ocean waters, except as may otherwise be permitted pursuant to HRS § 205A-71(b).
 3. Exterior lighting that is not necessary for security purposes must be turned off when human activity is not occurring in the illuminated area, which may be achieved by installing automatic motion sensor switches and controls on exterior lights.
 4. Exterior light fixtures on the zoning lot 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.
 5. All Project site work and construction activities are limited to daylight hours (sunrise to sunset).
 6. Woody plants greater than 15 feet in height must not be disturbed, removed, or trimmed during the Hawaiian hoary bat birthing and pup rearing season (June 1 through September 15).
 7. Barbless fencing must be used for all fence construction to avoid entanglement of Hawaiian hoary bats.
 8. The presence of non-native predators, such as cats, rodents, and mongooses, must be minimized to the extent practicable.
 9. If the nest of any endangered, threatened, or protected avian species is discovered on the Project site, the Applicant shall contact the Department of Land and Natural Resources Division of Forestry and Wildlife ("DOFAW"), and establish and maintain a 100-foot buffer of no activity



RESOLUTION

around all active nest sites or broods until the chicks are capable of flight and fully fledged.

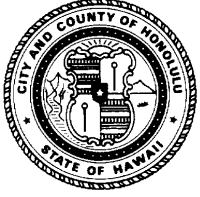
10. If State-listed waterbirds such as the Ae'o (Hawaiian stilt), 'Alae ke'oke'o (Hawaiian coot), and 'Alae 'Ula (Hawaiian gallinule) are present on the Project site during construction, all work and activities within 100 feet of the observed waterbird must cease until the waterbird voluntarily leaves the area.
11. Prior to the start of any ground-based disturbance, including the clearing or trimming of vegetation, the Applicant shall have the Project site surveyed by a qualified biologist during crepuscular hours along walk line transects throughout the Project site to detect any active Pueo (Hawaiian short-eared owl) nests. Any observation of a Pueo nest during the site survey must be reported to DOFAW. A minimum buffer distance of 650 feet must be established around all active nests or broods until the Pueo chicks are capable of flight and fully fledged.
12. All Project-related activities must cease if a Hawaiian monk seal, green sea turtle, or Hawksbill Turtle is present on land within 150 feet of the work area, or as recommended by State of Hawai'i or federal regulations. Project activities may only recommence after the animal voluntarily leaves the area. If a monk seal pup is present on land, a 300-foot buffer must be observed. Any Project-related debris that may pose an entanglement threat to monk seals or turtles must be removed from the work area at the end of each day and at the conclusion of Project-related activities.
13. Prior to the start of any tree trimming or removal on the Project site, the Applicant shall have the Project site surveyed by a qualified biologist to determine the presence and location of Manu-o-Kū (white tern). Any observation of Manu-o-Kū during the site survey must be reported to DOFAW, and the Applicant shall implement a tree protection program for any mature trees with nesting or roosting Manu-o-Kū.
14. Prior to any Project ground-disturbing or construction activity, the Applicant shall provide seabird fallout information to all Project contractors, subcontractors, and other personnel.



RESOLUTION

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

- F. To recognize the potential for adverse impacts related to coastal hazards, including but not limited to sea level rise, coastal erosion, flooding, wave action, and storm surge, the landowner acknowledges the following declarations, which must be clearly stated under "Landowner Acknowledgements" on all Project building permit plans:
1. *"The landowner hereby acknowledges (and any successor owner or interested party is hereby notified) that Tax Map Key 3-1-031:006 is susceptible to coastal hazards, which may result in harm to or loss of life and property."*
 2. *"The landowner hereby acknowledges (and any successor owner or interested party is hereby notified) that Tax Map Key 3-1-031:006 is a shoreline zoning lot, a majority of the zoning lot is projected to be impacted by 3.2 feet of sea level rise by the year 2100, and a majority of the proposed Project is located within the 3.2-foot sea level rise exposure area ("SLR-XA"). The landowner agrees to assume all risk and liability for any harm to or loss of life and property due to development within the SLR-XA. The landowner further agrees to accept all responsibility for the cost and physical removal of materials and structures lost or damaged as a result of coastal hazards, including the cleanup and restoration of the Project site."*
- G. 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-related approvals and building, grading, and grubbing permit approvals, which are subject to separate review and approval. The Applicant shall obtain a zoning waiver to allow for Project structures within the required yards, and a minor Special District Permit (the Project is within the Core Area of the Diamond Head Special District) for major exterior alterations and additions, and new accessory structures. The Applicant is 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. 25-108, CD1

RESOLUTION

BE IT FINALLY RESOLVED that copies of this resolution be transmitted to Ross Richards, Director of the UH Office of Project Delivery, 2002 East-West Road, Honolulu, Hawai'i 96822; Berna Senelly, Oceanit, 828 Fort Street Mall, Suite 600, Honolulu Hawai'i 96813; Dawn Takeuchi Apuna, Director of Planning and Permitting, 650 South King Street, 7th Floor, Honolulu, Hawai'i 96813; and Mary Alice Evans, Director of the State Office of Planning and Sustainable Development, Attention: Coastal Zone Management Branch, P.O. Box 2359, Honolulu, Hawai'i 96804-2359.

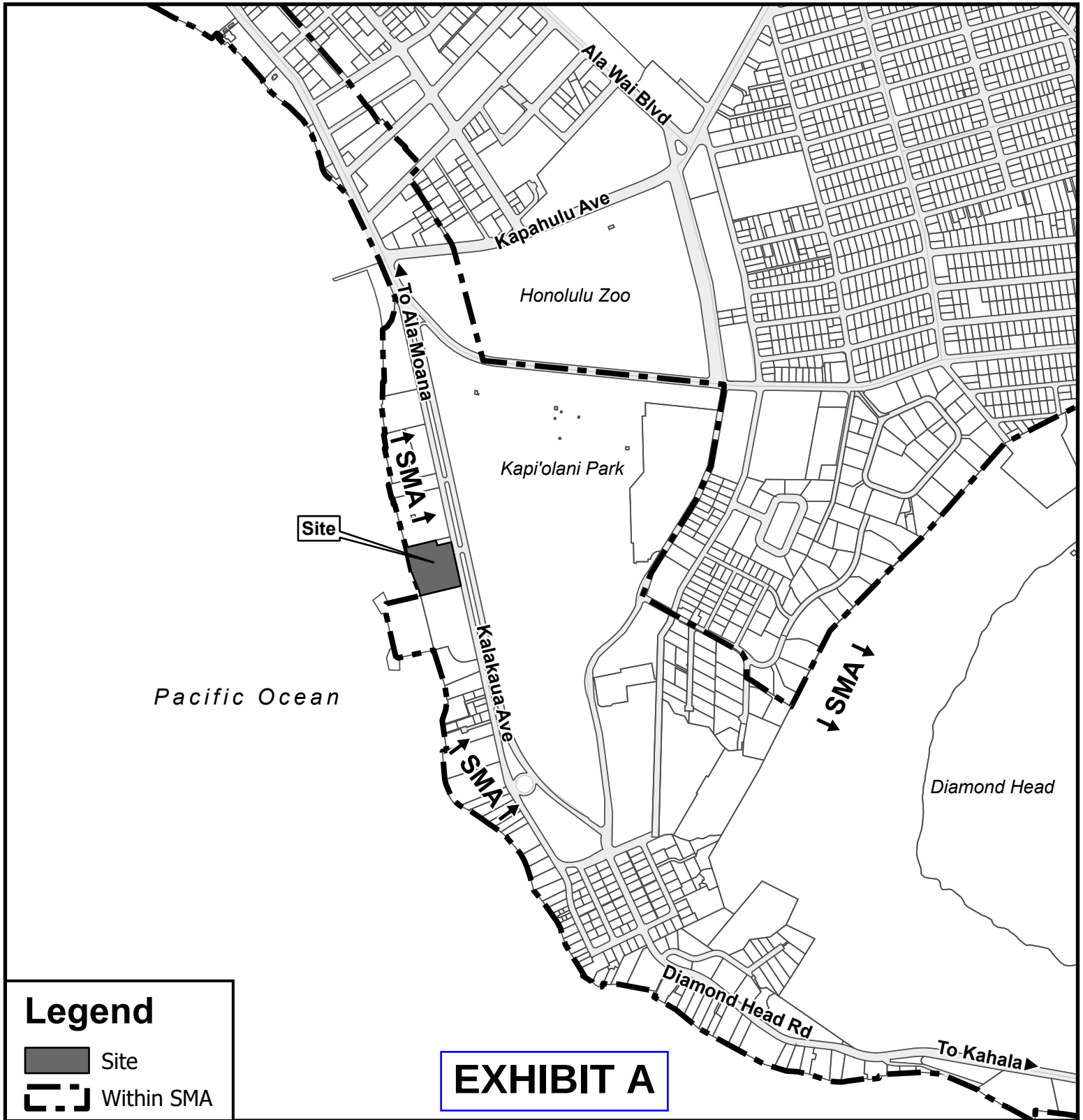
INTRODUCED BY:

Tommy Waters (br)

DATE OF INTRODUCTION:

April 3, 2025
Honolulu, Hawai'i

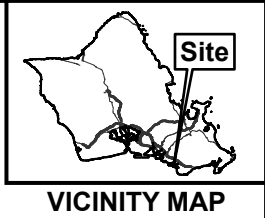
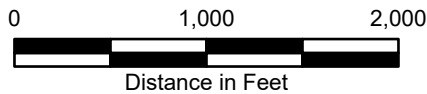
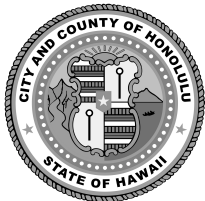
Councilmembers



Legend

-  Site
-  Within SMA

EXHIBIT A



VICINITY MAP

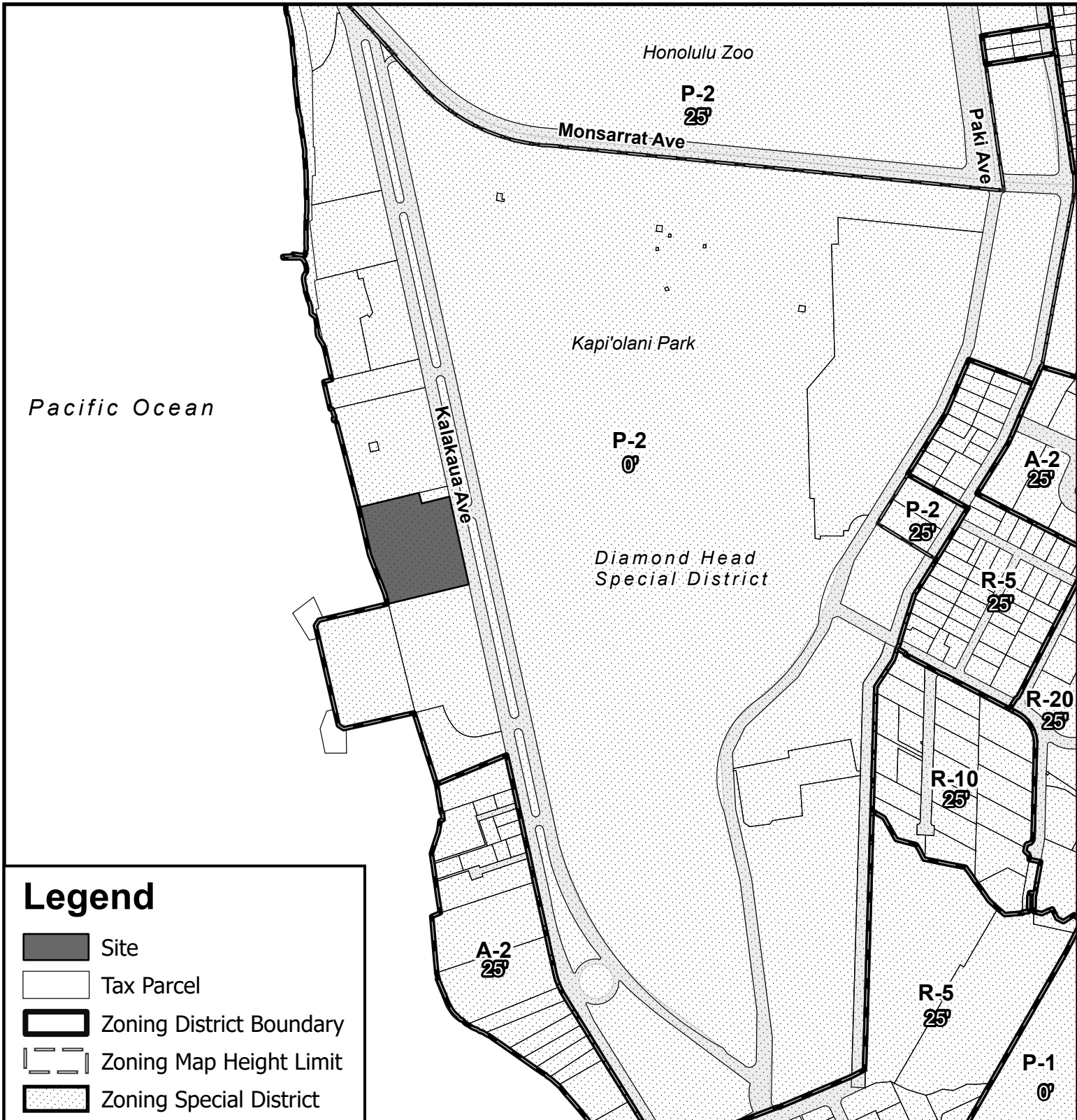


LOCATION MAP

WAIKIKI, HONOLULU

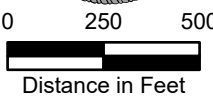
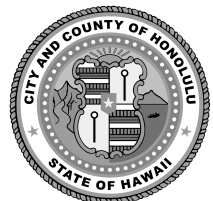
TAX MAP KEY(S): 3-1-031:006

FOLDER NO.: 2024/SMA-132 & 2024/SV-3



Legend

- Site
- Tax Parcel
- Zoning District Boundary
- Zoning Map Height Limit
- Zoning Special District



VICINITY MAP



PORTION OF ZONING MAP (MOILIILI - KAIMUKI)

EXHIBIT B

TAX MAP KEY(S): 3-1-031:006
FOLDER NO.: 2024/SMA-132 & 2024/SV-3

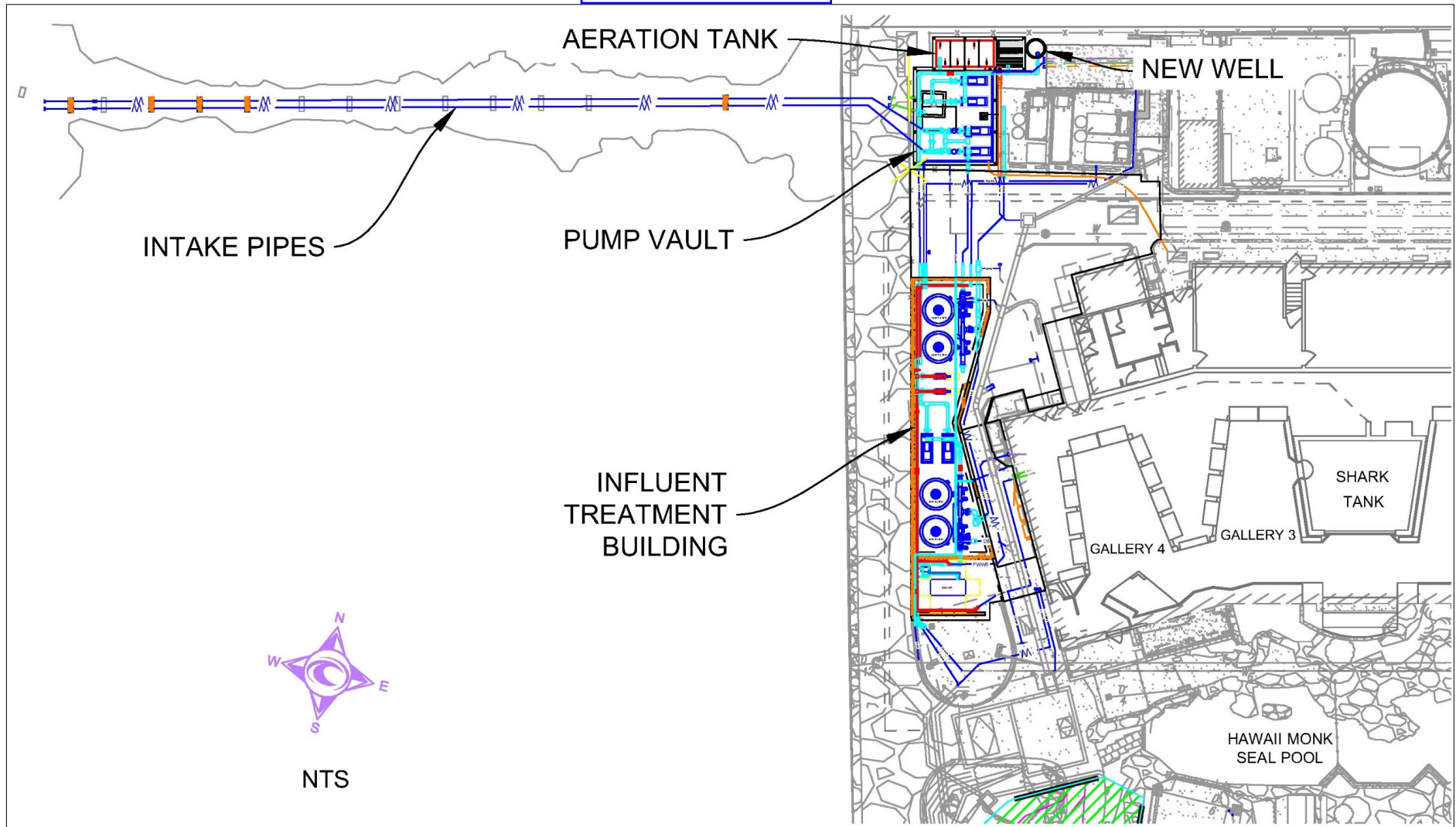
EXHIBIT C

Figure 5: Conceptual Site Plan Layout

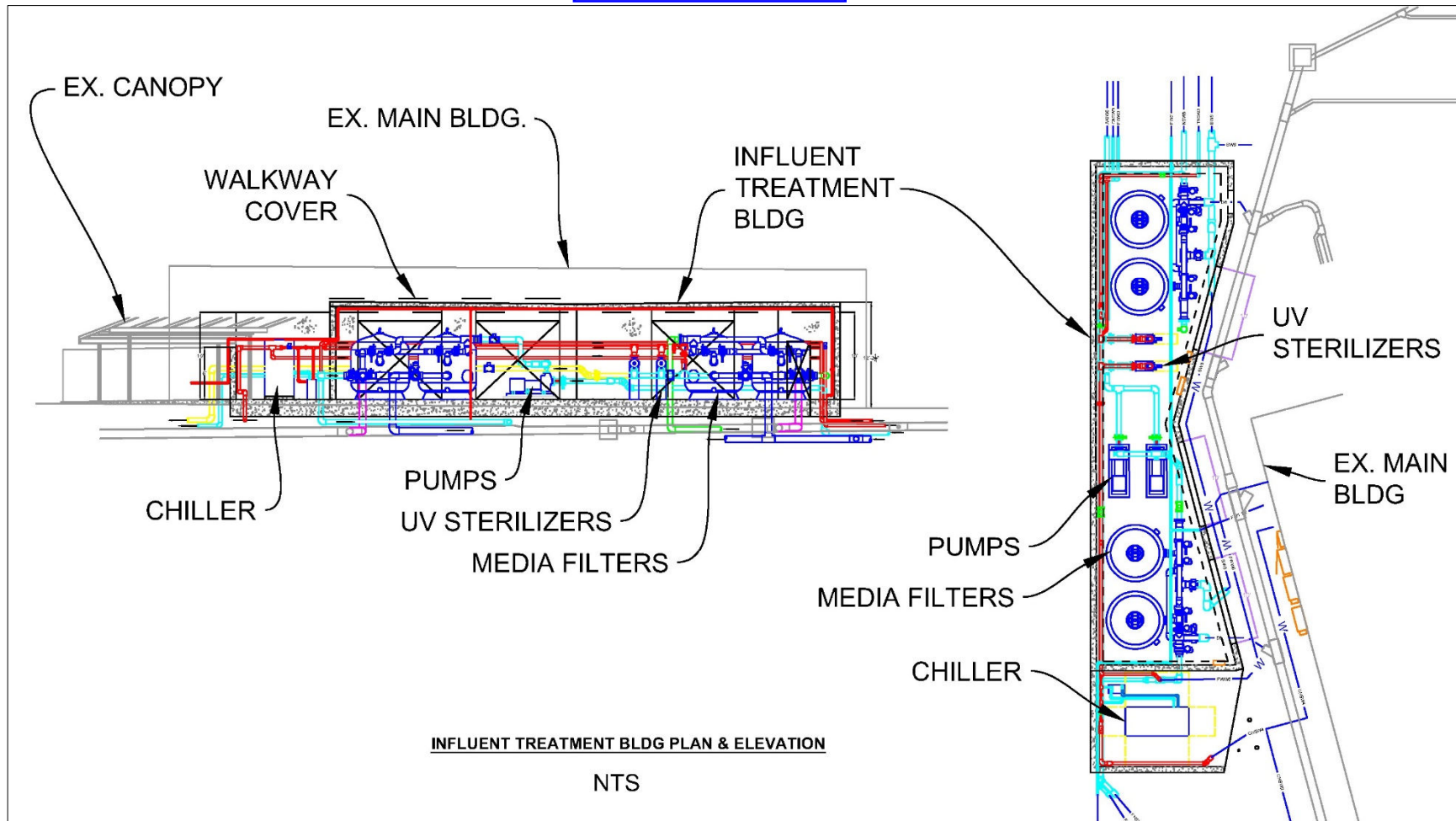
EXHIBIT D

Figure 6: Influent Treatment Building Plan and Elevation

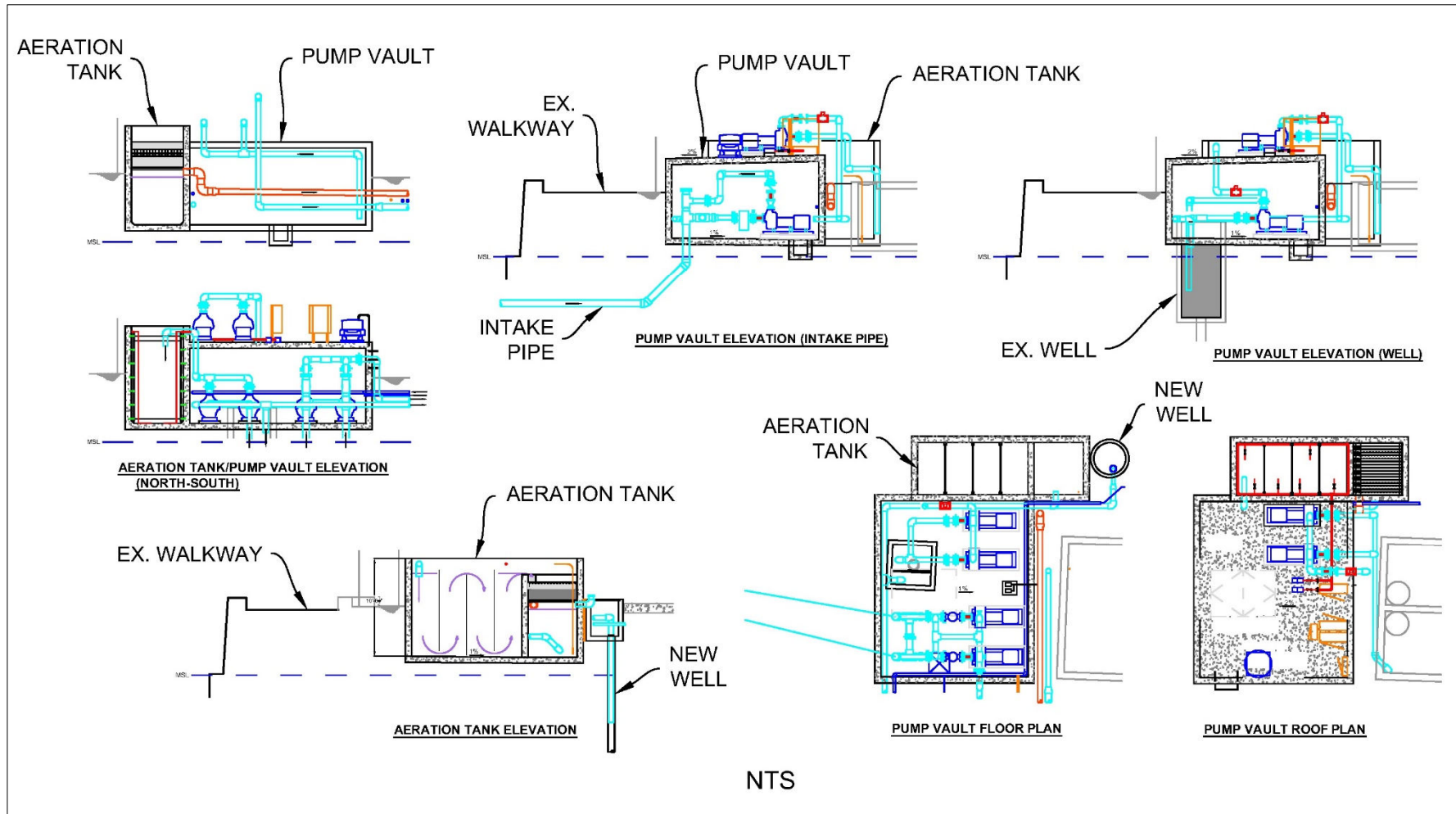
EXHIBIT E

Figure 7: Pump Vault / Aeration Tank Plan and Elevation

EXHIBIT F

FUTURE EXPANDED
EDGE OF REEF EXHIBIT



NTS

VIEWING
WINDOW

VIEWING
WINDOW

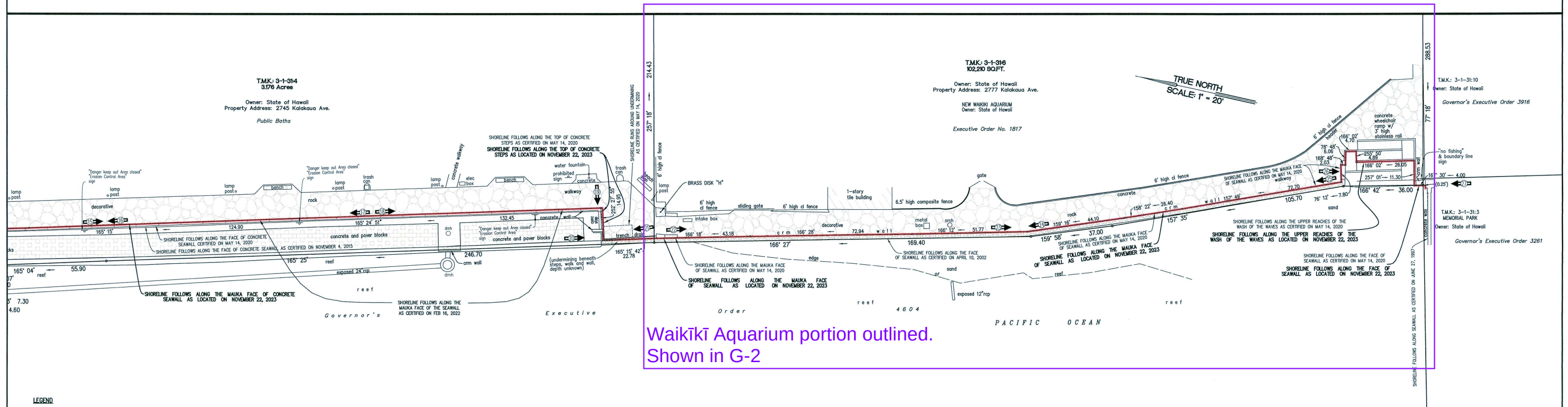
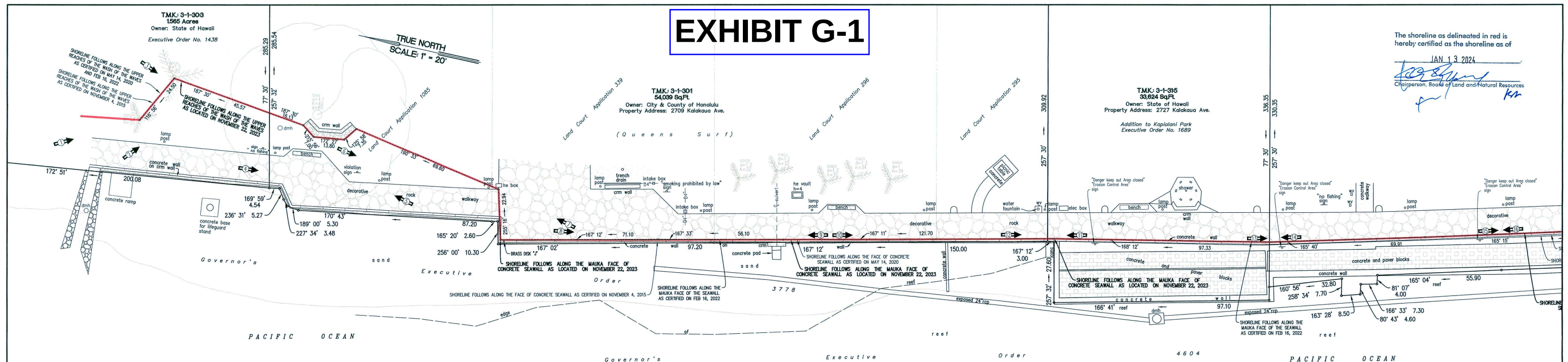
Figure 9: Future Expanded EOR Exhibit

EXHIBIT G-1

The shoreline as delineated in red is hereby certified as the shoreline as of

JAN 13 2024


Chairperson, Board of Land and Natural Resources



Waikīkī Aquarium portion outlined.
Shown in G-2

MAP SHOWING SHORELINE
FRONTING A PORTION OF KAPIOLANI REGIONAL PARK
AT WAIKIKI, HONOLULU, OAHU, HAWAII

OWNER: CITY AND COUNTY OF HONOLULU – DEPARTMENT OF PARKS AND RECREATION
ADDRESS: 1000 ULUOHIA STREET, SUITE 309
KAPOLEI, HAWAII 96707

ParEn, Inc. dba Park Engineering
Pacific Park Plaza Suite 1500 711 Kapiolani Blvd Honolulu, Hawaii 96813
808-593-1876

LEGEND

cl	chain link
coco	coconut tree
conc	concrete
crm	concrete rubble masonry
elec	electric
d	diameter
dmh	drain manhole
h	height
he	hawaiian electric
rcp	reinforced concrete pipe
s	spread
smh	sewer manhole
Sq.Ft.	Square Feet
w/	with
wy	water valve

NOTE:

➡ 1 ➡ INDICATES PICTURE NUMBER AND DIRECTION TAKEN.

DECEMBER 13, 2023
NOVEMBER 29, 2023
DATE: AUGUST 23, 2023
FIELD BOOK NO. 2739, 2933, 3168

TAX MAP KEY: 3-1-30:1, Por.3 AND 3-1-31:4,5,6



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

Kevin A. Popozer
ParEn, Inc.
dba PARK ENGINEERING
LICENSE EXPIRES 4/30/2024

20 10 0 20 40
GRAPHIC SCALE : 1"=20'

SURVEY OFFICE COPY

$$24" \times 36" = 6.0 \text{ sq.ft.}$$

EXHIBIT G-2

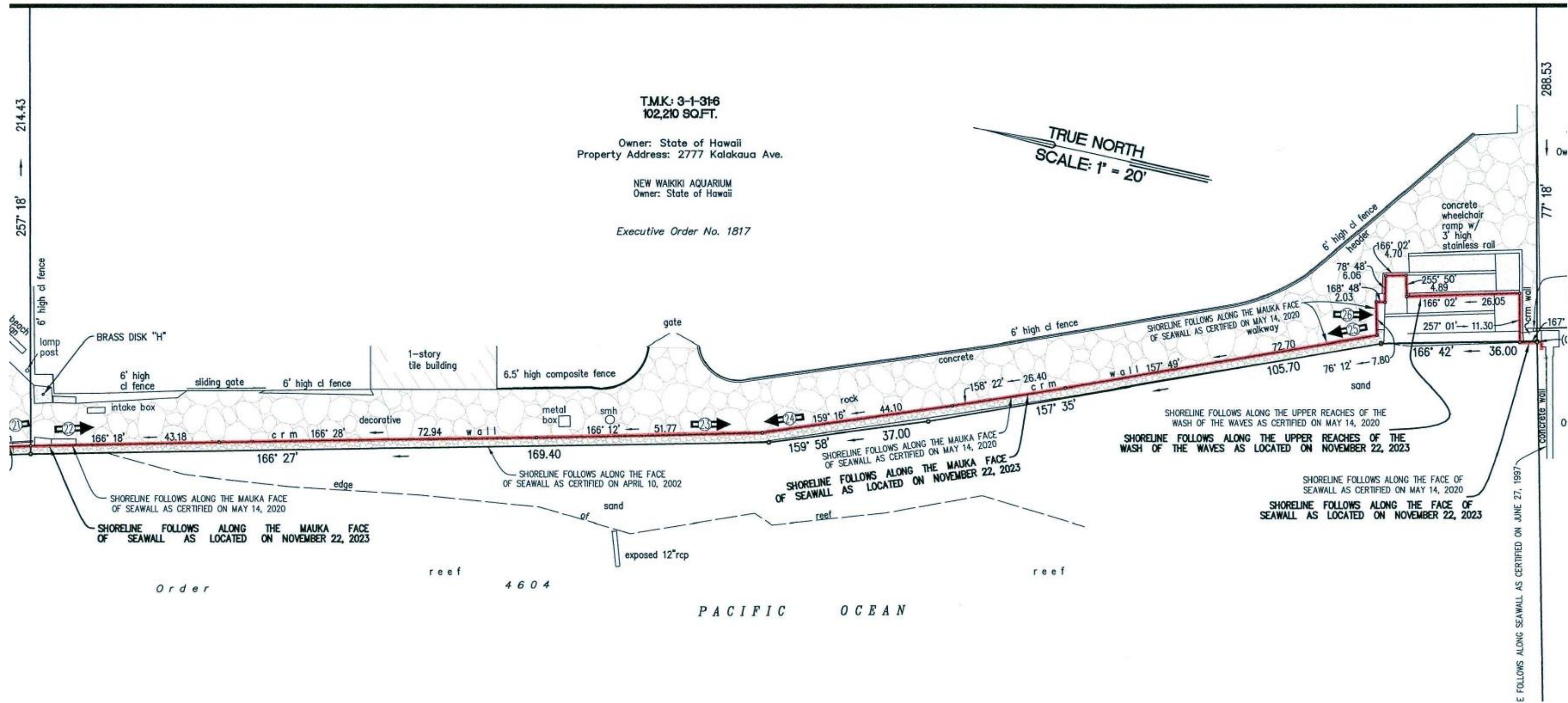


EXHIBIT H

Pacific Ocean

Kapi'olani Park

Kalakaua Ave

Legend



Site



Tax Parcel

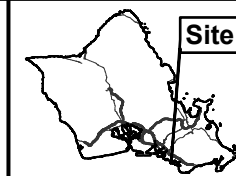
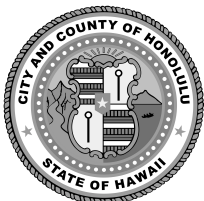
WETLAND TYPE



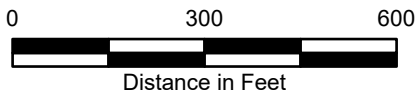
Estuarine and Marine
Deepwater



Estuarine and Marine
Wetland



VICINITY MAP



Distance in Feet



PORTION OF WETLANDS MAP WAIKIKI, HONOLULU

TAX MAP KEY(S): 3-1-031:006
FOLDER NO.: 2024/SMA-132 & 2024/SV-3

EXHIBIT I

Pacific Ocean

Honolulu Zoo

KIA

MONSARRAT AVE

PAKI AVE

Kapi'olani Park

BS

JaC

KALAKAUA AVE

PAKI AVE

MuB

Legend



Site



Tax Parcel

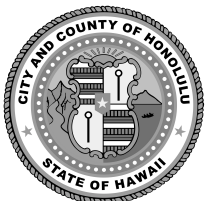
NRCS Soil Type

BS Beaches

JaC Jaucas sand,
0 to 15 percent slopes,
MLRA 163

KIA Kawaihapai clay loam,
0 to 2 percent slopes,
MLRA 158

MuB Molokai silty clay loam,
3 to 7 percent slopes,
MLRA 158



0 500 1,000
Distance in Feet



VICINITY MAP



PORTION OF SOIL MAP KAPIOLANI PARK, WAIKIKI, HONOLULU

TAX MAP KEY(S): 3-1-031:006

FOLDER NO.: 2024/SMA-132 & 2024/SV-3

Legend

- Site
- TAX Parcel
- FIRM Flood Panel (Index) 2014
- 0368G
1/19/2011
- 15' Base Flood Elevation

Pacific Ocean

Flood Hazard Zones:

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

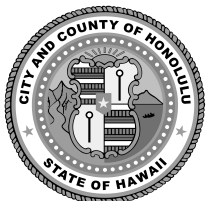
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. The Base Flood Elevation (BFE) is the water-surface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

EXHIBIT J



0 250 500
Distance in Feet



VICINITY MAP



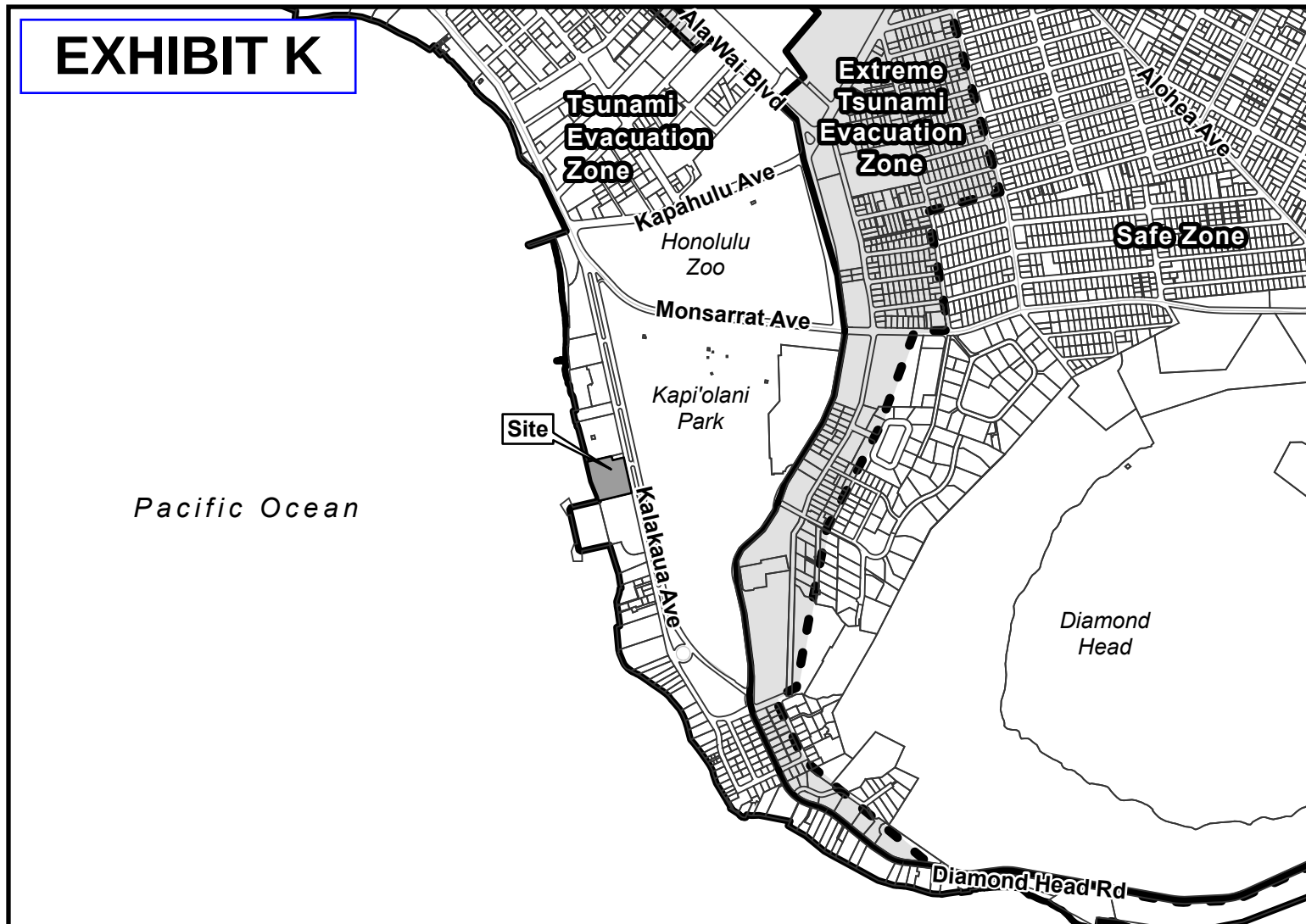
PORTION OF FLOOD HAZARD MAP

FIRM PANEL 15003C0368G

TAX MAP KEY(S): 3-1-031:006

FOLDER NO.: 2024/SMA-132 & 2024/SV-3

EXHIBIT K



* For most Tsunami Warnings, evacuate out of the Tsunami Evacuation Zone; in the unlikely case of an Extreme Tsunami Warning, evacuate out of the Extreme Tsunami Evacuation Zone

* Remain at least 100 feet away from inland waterways and marinas connected to the ocean due to wave surges and possible flooding

* Boaters should move vessels to at least 50 fathoms (300 ft) deep and 2 miles away from harbor entrances; follow all directions from the Captain of the Port

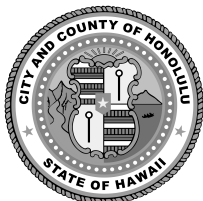
*Structural steel or reinforced concrete buildings of ten or more stories provide increased protection on or above the fourth floor; if you are caught near the shoreline consider using vertical evacuation

*These maps do not consider the destructive effects of a locally generated tsunami. If you feel shaking, move inland immediately, well inland from the red tsunami evacuation zone

* The evacuation zone is a guideline and should be considered the minimum safe evacuation distance

1. TSUNAMI WARNING: Destructive waves from a tsunami may inundate all coastline. Evacuate Tsunami Evacuation Zone
2. EXTREME TSUNAMI WARNING: In the unlikely event of an extreme tsunami waves may move significantly inland; evacuate Tsunami Evacuation Zone and Extreme Tsunami Evacuation Zone

Safe Zone: Evacuate to this area
Extreme Tsunami Evacuation Zone: Evacuate out of these areas for an EXTREME TSUNAMI WARNING
Tsunami Evacuation Zone: For any TSUNAMI WARNING evacuate out of these areas



0 750 1,500
Distance in Feet



VICINITY MAP



PORTION OF TSUNAMI EVACUATION MAP Waikiki Map 1

TAX MAP KEY(S): 3-1-031:006

FOLDER NO.: 2024/SMA-132 & 2024/SV-3

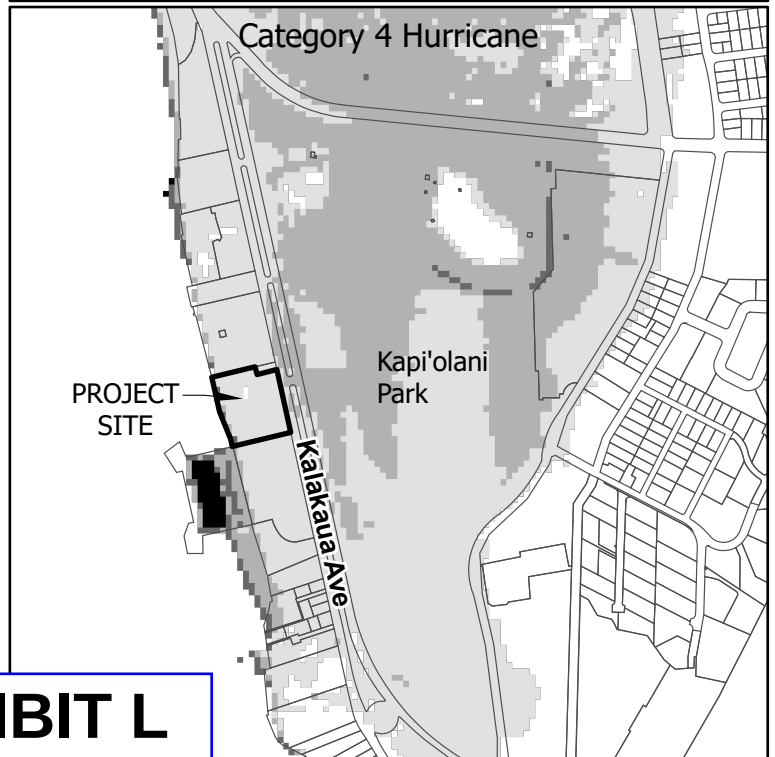
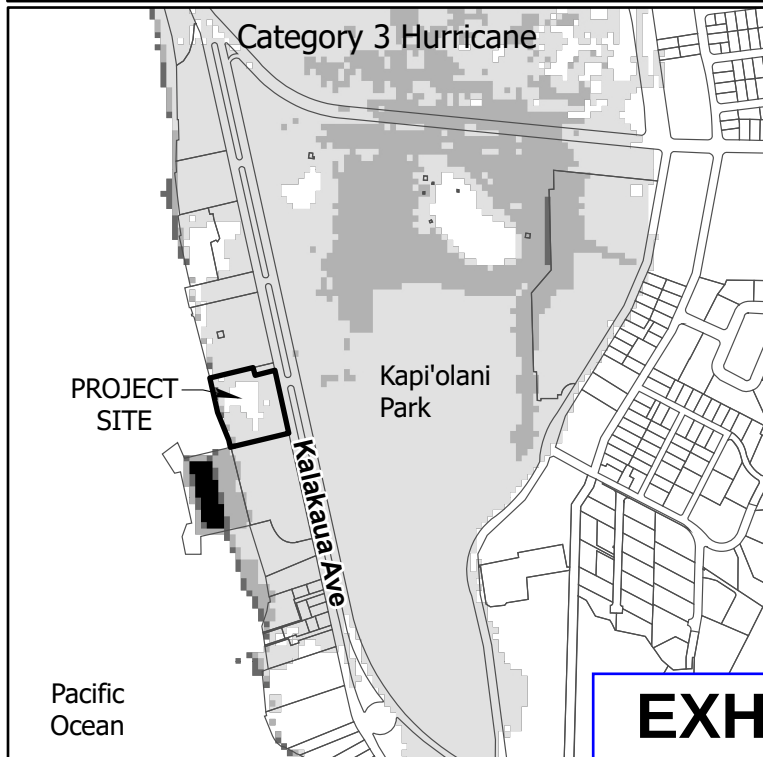
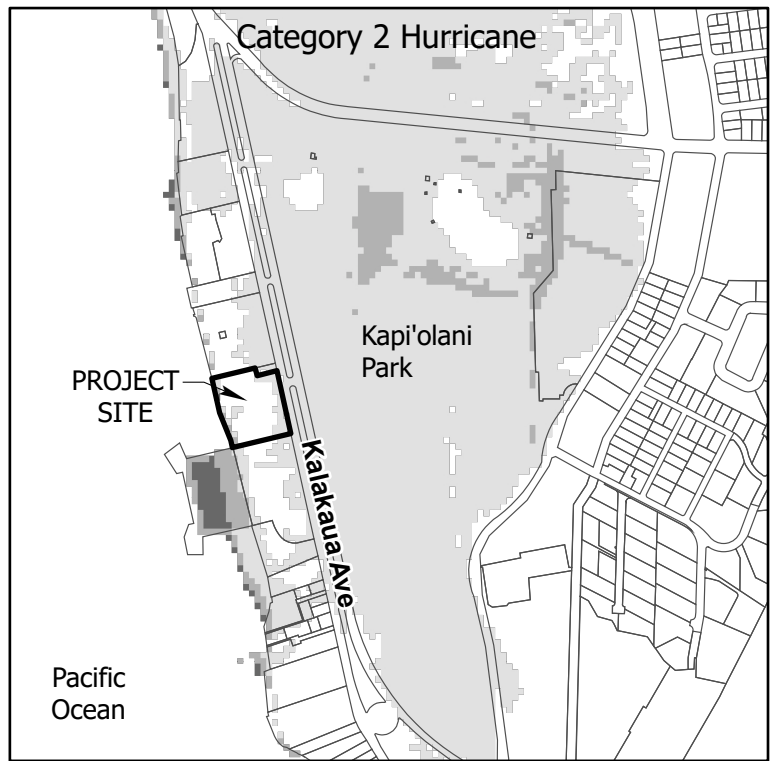
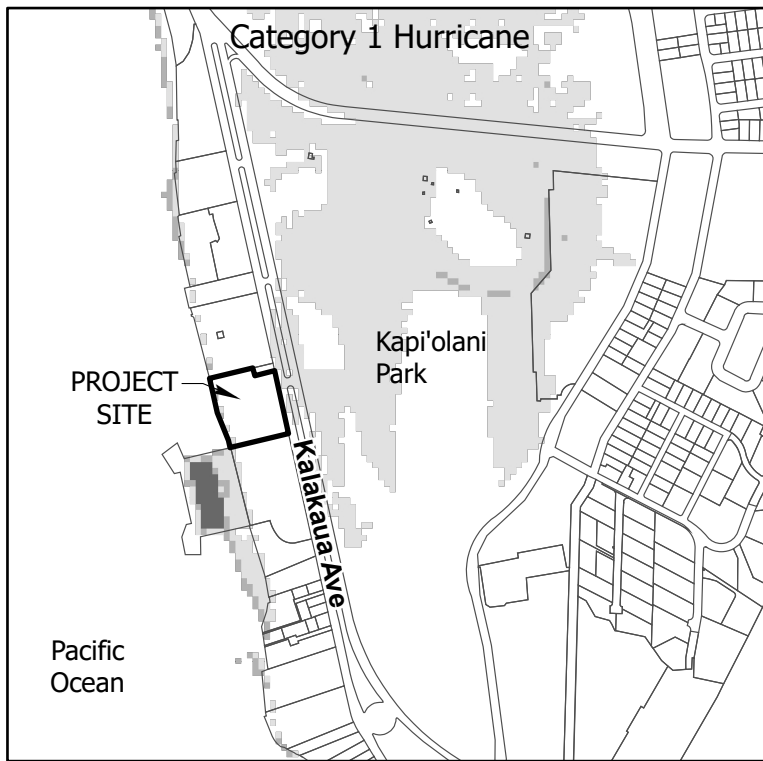
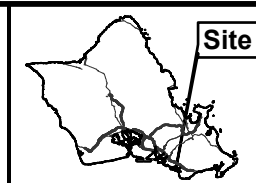
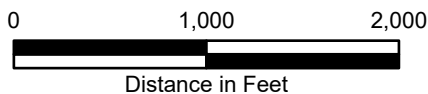
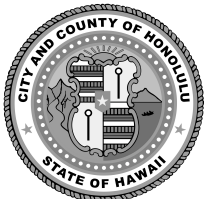


EXHIBIT L

Legend



PORTION OF STORM SURGE MAP

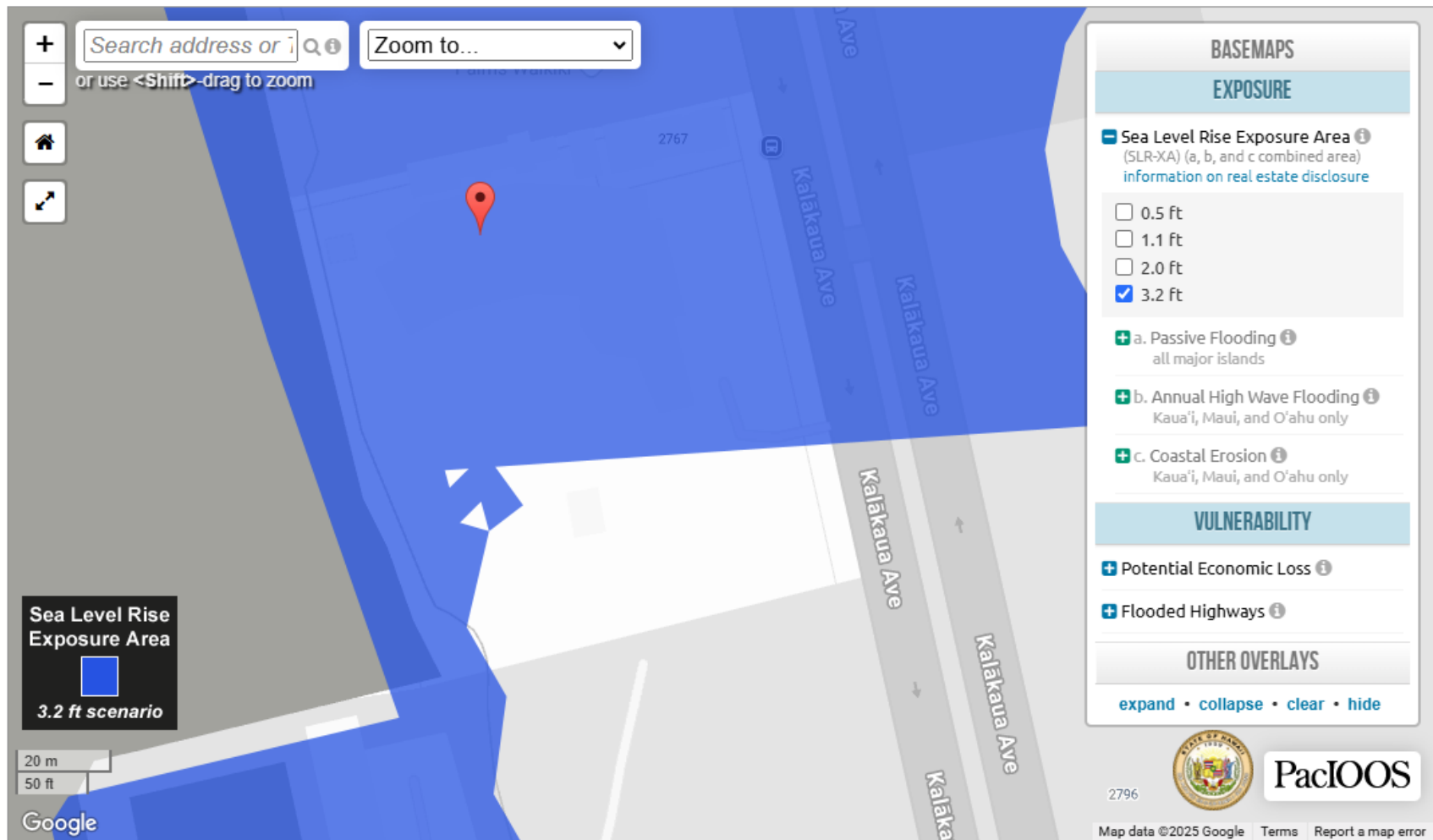
Data from National Hurricane Center
Storm Surge Risk Maps

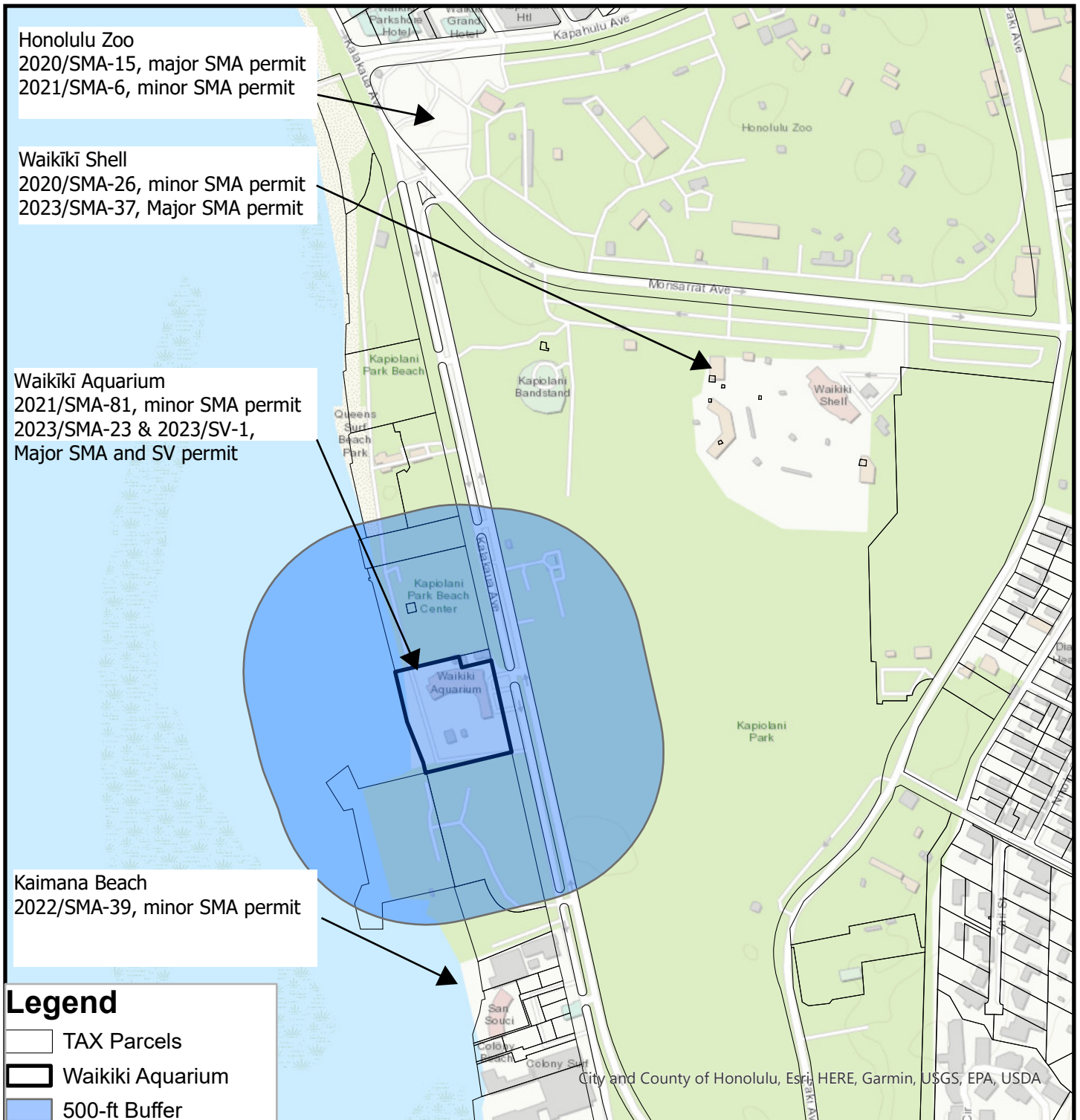
Data Source: National Weather Service (NWS) SLOSH model;
Maximum of MEOWs (MOMs) for various category storms
at a high tide.

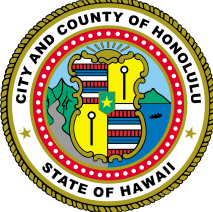
TAX MAP KEY: 3-1-031:006

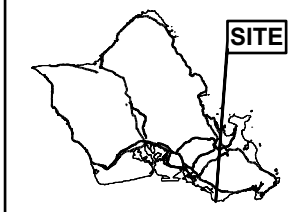
FOLDER NO.: 2024/SMA-132 & 2024/SV-3

EXHIBIT M









VICINITY MAP

EXHIBIT N

500-Ft Buffer Area

2777 Kalākaua Avenue

TAX MAP KEY: 3-1-031: 006

FOLDER NO.: 2024/SMA-132 & 2024/SV-3

0 235 470 940

Scale in Feet



Report Title:

Special Management Area ("SMA") Major Permit; Land Use Permit; Department of Planning and Permitting ("DPP"); Waikīkī Aquarium; Waikiki Aquarium

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.