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DEPARTMENT OF PLANNING AND PERMITTING
KA 'OIHANA HO'OLĀLĀ A ME NĀ PALAPALA 'AE
CITY AND COUNTY OF HONOLULU

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October 14, 2024

2024/SMA-72 (LM)

The Honorable Tommy Waters
Chair and Presiding Officer
and Members
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawai'i 96813

Dear Chair Waters and Councilmembers:

SUBJECT: Special Management Area (SMA) Use Permit
Waimānalo Beach Park Phased Improvements
41-741 Kalaniana'ole – Waimānalo
Tax Map Keys 4-1-003: 016, 019, 020, and 040

Enclosed for your consideration are the Department of Planning and Permitting's (DPP) Report and Recommendation, Draft Resolution, and Exhibits for the SMA Use Permit application for phased improvements at the Waimānalo Beach Park, including the replacement of two comfort stations, replacement of the pavilion, restoration of the crafts building, and periodic improvements consisting of the replacement of existing facilities with similar facilities as necessary.

The DPP recommends that the Project be approved, subject to compliance with recommended conditions, which primarily consist of standard conditions relating to archaeological resources and protected species.

Pursuant to Chapter 25, Revised Ordinances of Honolulu, the City Council must act within 60 calendar days after receipt of our Report and Recommendation; however, the City Council may extend this period of time upon receipt of a request from the Applicant for an extension.

DEPT. COM. 735

Should you have any questions, please contact me at (808) 768-8000.

Very truly yours,

Dawn Takeuchi Apuna
Director

Enclosure: Report and Recommendation
Draft Resolution
Exhibits A through E, F-1 through F-4, and G through L

APPROVED:

Michael D. Formby, Managing Director
Office of the Managing Director

DEPARTMENT OF PLANNING AND PERMITTING
OF THE CITY AND COUNTY OF HONOLULU

STATE OF HAWAI'I

IN THE MATTER OF THE APPLICATION

BY

CITY AND COUNTY OF HONOLUU,
DEPARTMENT OF PARKS AND
RECREATION

FOR A

SPECIAL MANAGEMENT AREA
(SMA) MAJOR PERMIT

File No. 2024/SMA-72(LM)

FINDINGS OF FACT, CONCLUSIONS OF LAW, AND RECOMMENDATION

I. APPLICATION

A. Basic Information:

PROJECT NAME:	Waimānalo Beach Park Improvements
LANDOWNER:	City and County of Honolulu (City), Department of Parks and Recreation (DPR) State of Hawai'i, Department of Hawaiian Homelands
APPLICANT:	City, Department of Design and Construction (DDC)
AGENT:	Planning Solutions (James T. Hayes)
LOCATION:	41-741 Kalaniana'ole Highway - Waimānalo (Exhibits A and B)
TAX MAP KEYs:	4-1-003: 016, 019, 020, and 040
ZONING:	P-2 General Preservation District (Exhibit C)
STATE LAND USE:	Urban District
DEVELOPMENT PLAN:	Ko'olaupoko Sustainable Communities Plan (KSCP)

a. Proposal: The Applicant requests approval of an SMA Major Permit to allow phased improvements to park facilities on a 29.56 acre shoreline site, consisting

of four parcels (16, 19, 20, and 40), in the P-2 General Preservation District and SMA in Waimānalo. Project components include:

- Replacement of the eastern and western comfort stations with vandalism-resistant prefabricated facilities providing similar amenities to existing, and with roughly the same footprint.

- Replacement of the former Pavilion (see Exhibit D), which will be similar in design and size to the former pavilion and utilize the existing concrete slab to the extent possible. New planters and bench seating will be provided. No excavation is proposed for the Pavilion work;

- Restoration of the crafts building, which was damaged by arson. No changes proposed to the footprint, appearance, or purpose of building;

- Periodic improvements consisting of the replacement of existing facilities with similar facilities as necessary.

See Exhibit B for specific location of proposed work and existing facilities. Proposed ground disturbance involves the replacement of the concrete slabs for the comfort stations, trenching for the replacement of water lines for both comfort stations, and trenching for the replacement of an electrical line to the eastern comfort station.

No development is proposed within the shoreline setback. All construction staging activities will occur onsite.

The Project is anticipated to cost $4.25 million, and the first phase of construction is estimated to conclude in December 2025.

Background: The site was established as a recreational park in 1961, and is improved with existing structures as mentioned above, along with the canoe hale, two ballfields and bleachers, a basketball court, playground equipment, drinking fountains, picnic tables, and parking lots. Previous SMA permits for the site include:

- 2003/SMA-53 (Major SMA permit) for the construction of the canoe hale and accessory components (water spigot for rinsing canoes, asphalt concrete driveway for loading and unloading canoes);

- 2019/SMA-20 (Minor SMA permit) for the construction of a concrete pad for playground equipment, and pedestrian paths.

II. FINDINGS OF FACT

On the basis of the evidence presented, the Director of the Department of Planning and Permitting (DPP) has found:

Lot Area	Parcel 16: 13,591 square (sq.) feet (ft.) or 0.31 acres Parcel 19: 2,760 sq. ft. or 0.06 acres Parcel 20: 2,760 sq. ft. or 0.06 acres Parcel 40: 1,268,598 sq. ft. or 29.12 acres TOTAL: 1,287,709 sq. ft. or 29.56 acres
Lot Shape	Irregular
Topography	Relatively flat – The site ranges in elevation from approximately zero to 20 ft. above mean sea level (MSL).
Current Development	Multiple ball fields, one of which is lighted, a lighted basketball court, playgrounds, two comfort stations, a crafts building, canoe hale, paved pathways, two paved parking areas, day use picnic areas, and ten camp sites.
Surrounding Uses	To the northeast is Waimānalo Bay and the Pacific Ocean. To the southeast is Kaiona Beach Park. To the southwest is Kalaniana'ole Highway and across the Highway, single-family residences. To the northwest are single-family residences and commercial retail and eating establishments.
Flood Zone	*Flood Zone X* – Areas outside of the flood zone; and *Flood Zone VE* – Coastal flood zone with velocity hazard. Base flood elevation (BFE) determined at 12 ft. (Federal Emergency Management Agency Flood Insurance Rate Map Panel Number (No.) 15003C0385G, January 19, 2011.) Only a small portion of the Site is within Flood Zone VE. See Exhibit E.
Certified Shoreline Survey	The western portion of the Site has a Certified Shoreline Survey, dated October 29, 2023. The eastern portion of the Site has been surveyed, but not certified (see Exhibits F-1 and F-2). The Project proposes to utilize a waiver for the purpose of this SMA Major Permit. As such, the shoreline setback area for the western station is 60 ft. from the certified shoreline, and for the eastern station is a distance of 75 ft. mauka of the presumed shoreline.
Nearest Body of Water	*Pacific Ocean* – Estuarine and Marine Wetland and Estuarine and Marine Deepwater, and Riverine (see Exhibit G).

Soil Classifications	*Beaches* – Deep, well drained to excessively drained sands or gravelly sands, with a high infiltration rate (low runoff potential) when thoroughly wet; and *Jaucas Sand* – Zero to 15 percent slopes, excessively drained sands, with low runoff; and *Kawaihapai Clay Loam* – Zero to two percent slopes, well drained, with very low runoff (see Exhibit H; Natural Resources Conservation Service).
Vegetation	The site is a maintained public park. Vegetation consists primarily of grass, coconut palms, ironwood trees, seagrape trees, naupaka and assorted coastal shrubbery.
Sea Level Rise (SLR) – Exposure Area	Portions of the Project site are projected to be impacted by 3.2 ft. of SLR by 2100; however, none of the areas where development is proposed are shown to be impacted (see Exhibit I; Hawai'i SLR Viewer).
Shoreline Erosion Rate	According to application materials, the site experienced erosion prior to 2014, and since then has been generally static. The Project site has a large coastline frontage; the O'ahu Shoreline Change Viewer shows transects 268 through 295 for the site, with historical accretion rates ranging from 0.21 ft. to 0.60 ft. per year.
Hurricane Storm Surge	The Project site is projected to be marginally impacted near the Kaiona Stream during Category 4 hurricane events (see Exhibit J; National Hurricane Center, *Storm Surge Risk Maps*).
Tsunami	The Project site and surrounding neighborhood is located within the tsunami evacuation and extreme tsunami evacuation zone (see Exhibit K).
Environmental Compliance	The proposed Project utilizes state or county funds or lands, and is subject to compliance with Hawai'i Revised Statutes (HRS) Chapter 343. On April 12, 2024, the DDC issued a Finding of No Significant Impact. The Final Environmental Assessment (EA) and finding was published in the April 23, 2024 issue of *The Environmental Notice.*
Other City Permits and Approvals	Grading, trenching, and building permits (BP)s.

Agency Comments	During the EA process, the Agent routed the proposal to various Federal, State, and City agencies. During the SMA review processes, the DPP routed the proposal to additional Federal, State, and City agencies. All letters and comments received have been included in the Project file and incorporated into the Analysis Section, as appropriate.
Neighborhood Board/ Community Association Presentation	The Agent held public scoping meetings at the Waimānalo District Park Gymnasium on June 8, 2023, and again on February 21, 2024. The Project was presented to the Waimānalo Neighborhood Board (NB) No. 32 on February 12, 2024, and to the NB Parks and Recreation Committe on February 19, 2024. The NB meeting is discussed further in Section G, below.
Public Hearing	The DPP conducted a Public Hearing at 9:30 a.m. on September 5, 2024, at the Fasi Municipal Building, 6th Floor Conference Room. The Applicant, the Applicant's Agent, DPP staff members, a DPR staff member and three members of the public attended the public hearing and provided comments. The public hearing is discussed in Section G, below.

III. ANALYSIS

The proposed Project was analyzed in accordance with the objectives, policies, and guidelines established in Revised Ordinances of Honolulu (ROH) § 25-3.1, as well as HRS §§ 205A-2 and 205A-26(1).

A. Recreational Resources

Development within the Special Management Area should provide coastal recreational opportunities to the public. Adequate access, by dedication or other means, to beaches, coastal dunes, recreation areas, and natural reserves must be provided to the extent consistent with sound conservation principles. Adequate and properly located public recreation areas and wildlife preserves must be preserved.

The Project site is a recreational resource on a site zoned P-2, general preservation. Public shoreline access is available through the beach park, and will continue to be available during construction of improvements. Given this, Project implementation will not result in adverse impacts to coastal recreational opportunities for the public, and no change to existing beach access, open spaces, recreational resources, or opportunities for hiking, fishing, and cultural practices will occur. The Project consists of improvements to recreational facilities. Therefore, no conditions of approval relating to recreational resources are recommended.

B. Historic and Cultural Resources

Development within the Special Management Area should protect, preserve, and restore natural or human-made historical and cultural resources.

The Hawai'i Cultural Resources Information System identifies one historic site within the park, the former pavilion, which was removed in 2019 for safety reasons under consultation with the State Historic Preservation Division (SHPD). In the mid-2000s, subsurface artifacts representing traditional Hawaiian cultural layers were identified where the existing individual wastewater system (IWS) for the eastern comfort station was installed.

Proposed excavation includes trenching for water and electric lines, and minor excavation work to connect the new comfort stations to the IWS. Trenching will be approximately eight ft. wide, three ft. deep, and 1,000 ft. long from the water meters near Kalaniana'ole Highway to both comfort stations to install new water lines, and to install a new electrical line for the eastern comfort station. Portions of the Project site where improvements are proposed have not previously been subject to a formal archeological assessment or inventory survey. The predominant soil type is Jaucus sands, which the Applicant notes as having an archeological association with cultural deposits or features. Given the potential to encounter previously undocumented historic resources, the Applicant proposes to conduct an archeological inventory survey of the trench locations and other excavations exceeding six-inches below the surface, and during construction activities, ensure that an archeological monitor be present.

Near, but not in the park, discoveries of human skeletal remains have been recorded, and two historic properties, the Alfred Hocking Beach House and the Hawaiian Trail and Mountain Club Clubhouse, have been identified. The nearest proposed improvements are more than 800 ft. away from either historic property. The proposed improvements will not be visible from the historic properties and will not change the feeling or context of the historic properties.

The Agent uploaded the Project information to the Hawai'i Cultural Resource Information System for SHPD review and concurrence on February 27 and June 26, 2024. The Applicant should be required to implement all mitigative actions and protocols required by the SHPD. Further, the Applicant should be required to submit to the DPP a copy of the written determination from the SHPD stating that SHPD has completed its review of the impact of the Project on historic properties pursuant to HRS § 6E-42, and has determined whether any mitigative actions and protocols are required. Further, the Project should be subject to the standard "stop work" condition of approval. This will ensure that 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 must stop work and contact the SHPD. These are recommended as a condition of approval.

Provided the Applicant complies with the SHPD's requirements regarding on-site resources, no adverse impacts to historic or archaeological resources are anticipated.

The Applicant provided a cultural impact assessment (CIA), which assessed the extent to which Native Hawaiian rights are customarily and traditionally exercised within the Project site, and the extent to which these rights may be affected or impaired by Project implementation. According to the CIA, the Project site and its surrounding vicinity are known for traditional practices such as making and repairing fishing and canoe equipment, but not for habitation or agriculture due to the sandy soil. The Project does not propose any change to existing established public access to Waimānalo Beach or the Pacific Ocean for the practice of Hawaiian cultural activities, nor will Project implementation preclude the practice of Hawaiian cultural activities. Lateral access for fishing, limu collection or other practices will not be impeded. Further, no related critical resources are known to be present on the site. Given all of this, no adverse impacts to Native Hawaiian rights are anticipated and, therefore, no conditions are recommended in regard to preserving access or opportunities for Hawaiian cultural activities.

C. Scenic and Open Space Resources

Development within the Special Management Area (SMA) should protect, preserve, and whenever desirable, restore or improve the quality of coastal scenic and open space resources. Alterations to existing land forms and vegetation, other than for the cultivation of coastal dependent crops, must be limited so they result in minimum adverse impacts on water resources, beaches, coastal dunes, and scenic or recreational amenities. Development that is not dependent on the coast is encouraged to locate mauka of the SMA.

The Project will not impact scenic and open space resources because the Project proposes to repair, maintain, and replace existing uses and structures with no or minimal expansion of footprint or height. The Project will not be of a scale to intrude into mauka views of the Ko'olau Mountains from the beach or ocean. Therefore, no adverse impacts to scenic and open space resources are anticipated, and no related conditions of approval are recommended.

D. Coastal Ecosystems

Development within the Special Management Area (SMA) should protect valuable coastal ecosystems, including reefs, beaches, and coastal dunes from disruption, and minimize adverse impacts on all coastal ecosystems. Solid and liquid waste treatment and disposition must be managed to minimize adverse impacts on SMA resources.

The Project proposes to maintain and restore recreational facilities consistent with the P-2 General Preservation zoning district, and will be designed to avoid

impacts to coastal ecosystems. Nonetheless, there is potential for temporary impacts to sensitive species during Project construction, as discussed below.

1. Sensitive Coastal Habitats and Species:

   a. Wetlands and Streams: Kaiona Stream runs through Parcel 40, and is classified as a riverine until it nears the ocean, where it is an estuarine tidal habitat. The Pacific Ocean, located directly north of the Project site, is identified as Estuarine and Marine Wetland and Estuarine and Marine Deepwater (see Exhibit G). The Project is not anticipated to result in adverse impacts to any wetlands or the Pacific Ocean, as the proposed improvements will be constructed outside of the shoreline setback area, and the Project is required to comply with the City's *Rules Relating to Water Quality, Rules Relating to Storm Drainage Standards*, and other applicable regulations. Compliance with the City's Rules will be confirmed during the BP review process.

   b. Flora: According to the application materials, existing vegetation at the site consists of native and introduced vegetation, and maintained grassy areas. A review of the U.S. Fish and Wildlife Service *Information for Planning and Consultation* (IPaC) database shows that a number of endangered flowering plants and ferns and allies may occur in the area. The Project does not propose any changes to landscaping or irrigation, and work is proposed in previously disturbed areas. Therefore, no conditions related to the protection of threatened or endangered flora species are recommended.

   c. Fauna: A review of the IPaC database revealed there are several threatened and endangered fauna species that may visit the site for foraging or breeding purposes. Sensitive terrestrial mammal species which may be present include the Hawaiian Hoary Bat. Hawaiian Hoary Bats may roost in trees or tall vegetation in the Project area. Therefore, to avoid impacting this species, woody plants greater than 15 ft. in height should not be disturbed, removed, or trimmed during the bat birthing and pup rearing season (June 1 through September 15). Further, barbless fencing should be used for all fence construction to avoid entanglement of Hawaiian Hoary Bats. These standard measures should be conditions of approval.

      Sensitive avian species which may be present include the Hawaiian seabirds and water birds. These species may be impacted by Project implementation, particularly during construction activities. Therefore, standard conditions relating to the protection of these

avian species are recommended. The IPaC database also identifies the Green Sea Turtle and the Hawksbill Sea Turtle as protected reptile species that may be present in the Project area. Further, according to National Oceanic and Atmospheric Administration Fisheries, marine critical habitat for Hawaiian monk seals includes the ocean waters near the Project site. The beach makai of the Project site consists of a sandy beach that could serve as an area for seals to haul out and breed, and for turtles to nest. Therefore, standard conditions relating to the protection of marine fauna species are recommended.

Artificial lighting can be disruptive to avifauna and marine life in their navigation, nesting, and reproductive cycles. Therefore, all outdoor lighting should be fully shielded, and nighttime work (from sunset to sunrise) must be avoided during the seabird fledgling season from September 15 through December 15. To further mitigate potential lighting impacts, the Applicant should use full cutoff light fixtures for exterior lighting. The International Dark Sky Association has established lighting standards to mitigate ecological impacts. Their Fixture Seal of Approval program requires that lighting have a correlated color temperature of 3,000 degrees kelvin or lower. These standard measures should be conditions of approval.

d. Invasive Species: According to the O'ahu Invasive Species Committee (OISC) website, there are several invasive flora and fauna species being targeted for eradication on O'ahu. Flora species include cane tibouchina, cape ivy, devil weed, fireweed, glory bush, himalayan blackberry, miconia, naio thrips, pampas grass, and the fungi that cause rapid 'ōhi'a death. Fauna species include coconut rhinoceros beetles, coqui frogs, and little fire ants. The OISC provides protocols for decontamination in the event these species are encountered, as well as protocols to prevent the spread of these species. These measures should be conditions of approval.

2. Reefs, Beaches, and Coastal Dunes: The Project's potential impacts to reefs, beaches, and coastal dunes are discussed in Section H, below.

3. Solid and Liquid Waste Treatment and Disposition: The Project will be required to comply with existing regulations and implement Best Management Practices (BMP) to minimize potential air and water quality impacts associated with soil disturbance and stormwater or irrigation runoff. Potable water and fire suppression water for the Project will come from the existing municipal systems which run along Kalaniana'ole Highway mauka of the Project site. Existing individual wastewater

systems, consisting of septic tanks with leach fields near the comfort stations, will be utilized for wastewater disposition. Therefore, no conditions related to solid and liquid waste treatment and disposition are recommended.

Upon implementation of the recommended conditions, along with standard water quality and erosion BMPs, potential impacts to coastal ecosystems will be mitigated.

E. Economic Uses

Development within the SMA should consist of facilities and improvements important to the State's economy, and ensure that coastal-dependent development and coastal-related development are located, designed, and constructed to minimize exposure to coastal hazards and adverse social, visual, and environmental impacts within the SMA.

Implementation of the Project will result in a temporary increase in jobs and economic activity during construction through the rental and purchase of equipment, materials, and supplies. Otherwise, the proposed improvements consisting of the replacement of a former pavilion, two comfort stations, and restoration of an existing crafts building, are anticipated to result in minimal changes to the State's economy.

F. Coastal Hazards

Development within the SMA should reduce impacts of coastal hazards on life and property, and must be designed to minimize impacts from landslides, erosion, sea level rise, siltation, or failure in the event of earthquake.

1. Flooding: A great majority of the site is located within Flood Zone X, areas determined to be outside the 0.2% annual chance floodplain (see Exhibit E). A very small portion of the site near the Kaiona Stream is subject to Flood Zone VE, which is within the Special Flood Hazard Area and subject to high-velocity wave action, with a BFE of 11 ft. above MSL. However, no improvements are proposed in this area, which is southeast of the campgrounds. According to the application, where improvements are proposed, the site ranges in elevation from approximately 13 ft. to 17 ft. above MSL. Construction work will be performed in accordance with the State and County-approved design standards and BMPs. Therefore, no conditions related to flooding are recommended.

2. SLR: Based on a review of the University of Hawai'i Pacific Island Ocean Observing System Hawai'i SLR Viewer, a nominal area of the Project site is projected to be impacted by 3.2 ft. of SLR by 2100 (see Exhibit I). The entirety of the proposed development will be located outside of the 60-ft.

shoreline setback area and 75-ft. waiver line, and outside the 3.2-ft. SLR coastal erosion area. According to the O'ahu Shoreline Change mapper, the site has an annual historic accretion rate of 0.21 to 0.60 ft. Due to the site's large lateral presence, the mapper shows 27 shoreline transects for the site. While the site currently shows accretion, the site was previously subject to erosion. Therefore, the Applicant should be required to acknowledge, and successor owners should be notified, of the potential for coastal hazards at the subject property and that as SLR and/or land area is lost to coastal erosion, land makai of the shoreline becomes part of the State's Land Use Conservation District. This is recommended as a condition of approval.

3. Storm Surge: The National Hurricane Storm Surge Hazard Maps indicate that the portion of the Project site adjacent to Kaiona Stream is projected to be subject to up to three ft. of flooding during Category 1 and 2 hurricane events; and up to six ft. during Category 3 and 4 hurricane events (see Exhibit J). No habitable structures are proposed, and all proposed development will be outside of the affected areas. When a hurricane is approaching a coastal location, early evacuation is usually standard mitigation to address the possibility of accompanying storm surge with high winds. Therefore, impacts related to hurricane storm surge inundation are not anticipated. Therefore, no conditions specific to hurricane storm surge inundation are recommended.

1. Tsunami: Most of the Project site is located within the tsunami evacuation zone, with a portion within the extreme tsunami evacuation zone (see Exhibit K). During a tsunami warning, evacuation requirements will be enforced based on guidelines issued by the Department of Emergency Management. As such, no conditions specific to tsunami events are recommended.

G. Managed Development and Public Participation

The development review process should stimulate public awareness, education, and participation in coastal management.

The public was made aware of the Project and was given the opportunity to review the proposed Project prior to and during processing of the SMA Major Permit application. The application materials were also posted on the DPP website upon acceptance of the application for processing.

During the EA review process, the Applicant routed the proposal to various Federal, State, and City agencies and the Agent presented the Project to the Waimānalo NB No. 32 on February 12, 2024. No questions were asked at the NB meeting.

The DPP conducted a Public Hearing on the SMA Major Permit application at 9:30 a.m. on Thursday, September 5, 2024, at the Fasi Municipal Building, 6th Floor Conference Room. Notices of the application and public hearing were published in the August 15, 2024, Honolulu Star-Advertiser and sent to neighbors within 300 ft. of the subject property, various public agencies, elected officials for the area, and other interested parties. The Project was the only item on the hearing agenda. Virtual attendees included the Applicant, DPR staff, DPP staff, and one member of the public. The hearing was attended in person by the Agent, DPP staff, DPR staff, and two members of the public. The Agent presented the Project, and described the proposed Project and the existing onsite development. Relevant testimony from the public are summarized as follows:

- John Hart, representing Na'alehu Theatre, which hosts the annual Pahinui Waimānalo Kanikapila, testified in-person in support of the Project, and stated that the pavilion is important for community events, and that restroom restoration is long overdue.

- Kathleen M. Pahinui testified in-person and stated that the Waimānalo community wants Project responses to community concerns to be thorough and not "copy-paste", that "hot button" topics for the community include the handling of cultural resources, that the community is concerned that the proposed pre-fabricated restrooms are untested in Hawai'i. Ms. Pahinui asked that the Project go back to the Waimānalo NB to provide updates, and that she believes archeological monitoring should be necessary even in the circumstance that the proposed archeological inventory survey is a 100 percent survey (as opposed to spot surveying), and asked why cultural monitoring is not proposed. Ms. Pahinui states that the community should be asked how they want the existing lava rocks from the comfort station façades to be used.

- Chelle Pahinui testified virtually, and states that she wishes the Gabby Pahinui plaque to remain in place, that Waimānalo has a strong culture and history of music, and that the comfort stations are an important element for hosting music festivals, and that the existing lava rocks from the comfort station façades should remain on site.

The Applicant responded that they are open to community input on how to utilize the lava rocks. Application materials show that the Applicant proposes to keep the Gabby Pahinui plaque in the same place, and that due to feedback received at preliminary public scoping meetings, have expanded the Project beyond the initial scope of replacing the former Pavilion to include the replacement of the comfort stations. A recording of the public hearing is available upon request. Additional opportunities for public input will be available during the City Council meetings. No related conditions of approval are recommended.

H. Beach and Coastal Dune Protection

Development within the Special Management Area should facilitate beach management and protection by safeguarding beaches and coastal dunes for public use and recreation, the benefit of ecosystems, and use as natural buffers against coastal hazards. New structures should be located mauka of the shoreline setback line to conserve open space, minimize interference with natural shoreline processes, and minimize the loss of improvements due to erosion.

According to mapping by the United States Department of Agriculture - Natural Resources Conservation Service, the Project site is underlain by soils identified as Jaucas and Beaches sands and Kawaihapai clay loam (see Exhibit H). Therefore, in order to protect underlying beach dunes and natural shoreline processes, and for compliance with ROH § 25-6.1(b), landscaping should not be used to artificially fix the shoreline or be maintained in such a way that it effectively hardens the shoreline. The addition of language to ensure the Applicant and future or successor owners are aware of this requirement is recommended as a condition of approval.

Further, the Applicant and successor owners should be aware that pursuant to ROH § 26-1.8(b)(3)(E), a determination of hardship as a result of any discretionary land use permit granted after June 16, 1989, is not a basis for requesting a Shoreline Setback Variance (SSV). This means that where a discretionary land use permit is used to authorize development, the Applicant cannot later claim hardship as the basis for a SSV in order to protect that development. This SMA Major Permit is a discretionary land use permit. Therefore, upon approval of this SMA Major Permit, the Applicant is precluded from obtaining a SSV to protect the subject property from erosion or other coastal hazards with new shoreline hardening structures under the hardship standard. This is recommended as a condition of approval to ensure that the Applicant and successor owners or interests are fully aware of this regulatory standard.

I. Marine and Coastal Resources

Development within the Special Management Area should promote the protection, use, and development of marine and coastal resources to ensure that these resources are ecologically and environmentally sound and economically beneficial. Impacts on water resources, beaches, coastal dunes, and scenic or recreational amenities resulting from the construction of structures must be minimized. Development within wetland areas should be limited to activities that are dependent on or enhance wetlands, or are otherwise approved by appropriate State and federal agencies.

The Project is located on a shoreline lot, but does not involve the use or management of marine resources. The closest surface and marine waters to the subject property consist of the Pacific Ocean, located directly east of the site, and

Kaiona Stream. In the short term, the Project is not anticipated to result in adverse impacts to these marine waters, as the closest development activities will occur outside of the 75-ft. shoreline setback area, and the Project is subject the City's *Rules Relating to Water Quality, Rules Relating to Storm Drainage Standards*, and other applicable regulations. Compliance with the applicable rules and regulations be confirmed during the BP review process. Finally, according to the application, the Project will not result in an increase in impervious surface area coverage on the site. Given all of the above, Project implementation is not anticipated to result in adverse impacts to marine and coastal resources. Therefore, no special conditions of approval are recommended.

J. Cumulative Impact or Significant Effect and Compelling Public Interest

Development within the Special Management Area should not have any cumulative impact or significant effect, unless minimized to the extent practicable and clearly outweighed by public health, safety, or other compelling public interest.

Substantial or cumulative negative environmental impacts associated with the implementation of the Project along with other past, present, and reasonably foreseeable projects in the Project vicinity are not anticipated, so long as the recommended conditions of approval are implemented. The Project site and other lots within 500 ft. of the Project site perimeter are zoned for preservation, as well as residential, business, and agricultural use. The subject property along with those to the north and south are also located within the SMA, which requires any activity meeting the definition of development to undergo review for impacts to the sensitive coastal resources previously described in this report. The Project site is within a previously-established area to which existing access, electricity, water, municipal fire suppression water, and wastewater services are already available.

Development projects identified over a five-year span and within a 500-ft. radius of the Project site include SMA Minor Permit No. 2019/SMA-20 to clear, grub, and grade an approximately 3,540 sq.-ft. area to install a new concrete pad (approximately 38.5 ft. x 44 ft.) for playground equipment and for new pathways within the Waimānalo Beach Park, to the west of the western comfort station. The potential for impacts to SMA resources associated with these Projects was evaluated during review of each application for an SMA Permit, and where necessary, conditions of approval were incorporated. The potential for site-specific or cumulatively considerable impacts associated with the Project have been evaluated herein, and where necessary, conditions of approval are recommended. Therefore, upon implementation of the recommended conditions of approval and compliance with applicable regulatory requirements, it is not anticipated that the Project will contribute to a significant cumulative impact to SMA resources.

In regard to the Project combined with other reasonably foreseeable projects in the vicinity, potential cumulative impacts to SMA resources could occur; however, we are not aware of any such future projects. Nonetheless, because other projects are required to undergo individual SMA review addressing these issues, and because they must also comply with regulatory requirements and site-specific conditions of approval, their potential contribution to cumulatively significant impacts is considered low. Given this, no conditions of approval specific to cumulative impacts are recommended.

K. Consistency with Plans and Regulations

Development within the Special Management Area must be consistent with the general plan, development plans, sustainable communities plans, and zoning ordinances; provided that a finding of inconsistency does not preclude concurrent processing of amendments to applicable plans or a zone change.

The proposal is generally consistent with the applicable plans and regulations, as detailed below.

1. O'ahu General Plan (GP): The Project is generally consistent with the O'ahu GP. The O'ahu GP identifies the Project area as a rural area. The most applicable O'ahu GP policies for Natural Environment and Resource Stewardship (i.e. SMA resources) are as follows:

    - Objective A, Policy 5 requires sufficient setbacks from O'ahu's shorelines to protect life and property, preserve natural shoreline areas and sandy beaches, and minimize the future need for protective structures or relocation of structures.
    - Objective B, Policy 3 requires the location and design of public facilities, infrastructure and utilities to minimize the obstruction of scenic views.
    - Objective B, Policy 4 requires the protection and expansion of public access to the natural and coastal environment for recreational, educational, and cultural purposes, and to maintain access in a way that does not damage, natural, historic or cultural resources.

    Additional applicable O'ahu GP policies for Culture and Recreation are as follows:

    - Objective D, Policy 1, to develop, maintain, and expand a community-based park system to meet the needs of the diverse communities on O'ahu.

- Objective D, Policy 6, to ensure that public recreational facilities balance the demand for facilities against capital and operating cost constraints so that they are adequately sized and properly maintained.

Each of these resource areas is discussed above, and where necessary, conditions of approval are recommended. Given this, the proposed phased improvements to the regional park are generally consistent with the O'ahu GP. Therefore, no conditions of approval related to O'ahu GP compliance are recommended.

2. KSCP: The KSCP Land Use Map identifies the Project area as "parks" within the Community Growth Boundary. The most applicable KSCP policies for the preservation of open space and parks and recreation are as follows:

- Provide both active and passive open spaces;
- Protect scenic beauty and scenic views and provide recreation;
- Promote access to shoreline areas;
- Construct park facilities in a manner that avoids adverse impacts on natural resources or processes in the coastal zone or any other environmentally sensitive area. In the design of recreation areas, incorporate natural features of the site and use landscape materials that are indigenous to the area in order to retain a sense of place.

The Project site is identified on the open-space map as being within continuous views from mauka and from makai, and also having significant views from a stationary point. The Project will not interfere with recreational activities or cultural practices on the public beach area or Pacific Ocean. The proposed phased improvements are generally consistent with the KSCP. Therefore, no conditions of approval related to KSCP compliance are recommended.

3. ROH Chapter 21, Land Use Ordinance (LUO): According to the application, the Project has been designed to comply with the development standards of the LUO, except for the ballfield lights.

Development Standard	P-2 District	Existing Conditions	Proposed Condition
Minimum Lot Area	5 acres	29.562 acres	No change
Minimum Lot Width	200 ft.	~4,400 ft.	No change
Minimum Lot Depth	200 ft.	Varies from 900 ft. to 140 ft.	No change
Front Yard	30 ft.	32 ft.	No change
Side and Rear Yard	15 ft.	62 ft.	No change

Maximum Building Area	5%	0.5%	0.8%
Maximum Height	15-25 ft.	Buildings: ~15 ft. Ballfield Lights: ~60 ft.	Buildings: ~22 ft. Ballfield Lights: ~60 ft.
Height Setbacks	Above 15 ft., setback 1 ft. for every 2 ft.	Buildings: comply Ballfield Lights: 3 within height setback	No change

The approximately 30-acre site is located within the P-2 General Preservation District, which allows a maximum height of up to 25 ft. with height setbacks. The existing ballfield lights are 60 ft. tall, and several are approximately 30 ft. from the property line. These lights neither comply with the height nor the height setback requirements of the P-2 District. The Applicant proposes to seek a zoning waiver to address these exceedances. Aside from this, the application materials state that all other proposed structures comply with all required yard and height setbacks, as well as height, density, and lot coverage standards for the P-2 General Preservation District. The Applicant should submit a zoning waiver to address the encroachment into the height and height setback. This is a condition of approval.

Plans submitted for land use permits of this scale, such as an SMA permit, are generally conceptual in nature. Slight design changes to site plans, interior floor plans, or parking plans are not uncommon prior to the submittal of final BP plans. A thorough review of the plans for compliance with development standards and other LUO regulations will be conducted during the BP review process.

Based on a review of the submitted plans, upon compliance with the above-referenced condition, the Project will be consistent with the LUO.

4. ROH Chapter 26, Shoreline Setback Ordinance: The Project site is subject to a 75-ft. shoreline setback. According to the application, the Applicant proposes to construct improvements and to keep all activities well outside of the 75-ft. setback. No conditions of approval are recommended. Compliance with the shoreline setback requirements will be confirmed during the BP review process.

IV. CONCLUSIONS OF LAW

The proposed development was reviewed under the provisions of ROH §§ 25-3.1 and 25-4.1, and HRS §§ 205A-2 and 205A-26(1), and was found to be consistent with established SMA objectives, policies, and guidelines, provided the appropriate conditions of approval are imposed. Based on the analysis, the proposed Project will not adversely impact SMA resources, provided that appropriate mitigative conditions are implemented as recommended.

V. RECOMMENDATION

Based on the preceding Analysis and Conclusions of Law, it is recommended that this application for a SMA Major Permit be **APPROVED**, 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 E, F-1 through F-4, and G through L, 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, as 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. To account for the potential shift of land from the State Land Use Urban District to the State Land Use Conservation District in response to coastal erosion, the landowner hereby acknowledges (and any successor owner or interested party is hereby notified of) the following:

> *"In choosing to implement construction activities at Tax Map Keys 4-1-003: 016, 019, 020, and 040, the Landowner hereby acknowledges that land makai of the regulatory shoreline is State public land, falls within the State Land Use Conservation District, and must remain available for public use and recreational activities. The landowner further acknowledges that should any portion of a structure encroach into State public land, the State Board of Land and Natural Resources may require the removal of the structure or a lease for encroachments extending into the State public land. As a result of this acknowledgement, successor owners and interested parties are hereby notified of this same information and the land owner shall hold harmless and indemnify the City of any responsibility that may result from adverse impacts associated with sea level rise and coastal erosion."*

This statement must be clearly stated under "Landowner Acknowledgements" on all Project BP plans.

C. To minimize the potential for adverse impacts related to coastal hazards, including but not limited to SLR, coastal erosion, flooding, wave action, and storm surge, the landowner hereby acknowledges (and any successor owner or interested party is hereby notified of) the following:

   a. *In choosing to undertake development at Tax Map Keys 4-1-003: 016, 019, 020, and 040, the landowner hereby acknowledges that no claim of hardship may be asserted in order to obtain approval for a shoreline setback variance for a shoreline protection structure.*
   b. *The landowner hereby acknowledges that Tax Map Keys 4-1-003: 016, 019, 020, and 040 are susceptible to coastal hazards, which may result in harm to or loss of life and property.*

This statement must be clearly stated under "Landowner Acknowledgements" on all Project BP plans.

D. To minimize impacts to known and unknown archaeological, historic, and cultural resources that may be present at the Project site, the Applicant shall comply with the following:

1. Prior to the issuance of any construction permit or BP for the Project, the Applicant shall submit to the DPP a copy of the written determination from the SHPD stating that SHPD has completed its review of the impact of the Project on historic properties pursuant to HRS § 6E-42, and has determined whether any mitigative actions and protocols are required.

2. If applicable, the Applicant shall implement all mitigative actions and protocols required or recommended by SHPD in its written determination; and

3. 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 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, must be clearly stated under "Environmental Notes" on all Project construction permit plans and BP plans.

E. To minimize impacts to threatened, endangered, 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/lamps 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 across property boundaries toward, the shoreline and ocean waters, except as may otherwise be permitted pursuant to HRS § 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;

5. Barbless fencing must be used for all fence construction to avoid the entanglement of Hawaiian hoary bats;

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

7. All Project-related activities must cease if a Hawaiian monk seal, Green Sea Turtle, or Hawksbill Turtle is on land within 150 ft. of the work area, or as recommended by State or federal regulations. Project activities may only recommence after the animal voluntarily leaves the area. If a monk seal pup is present, a 300-ft. 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.

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

F. In order 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 importation of fill material to the extent possible;

2. 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;

3. 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 onsite Project workers must be instructed to review the species photos and all Protocols prior to commencing any ground-disturbing or construction activities; and

4. If, at any time, species listed on the OISC current target webpage, 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 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 State or Federal agency charged with the eradication and management of the invasive species.

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

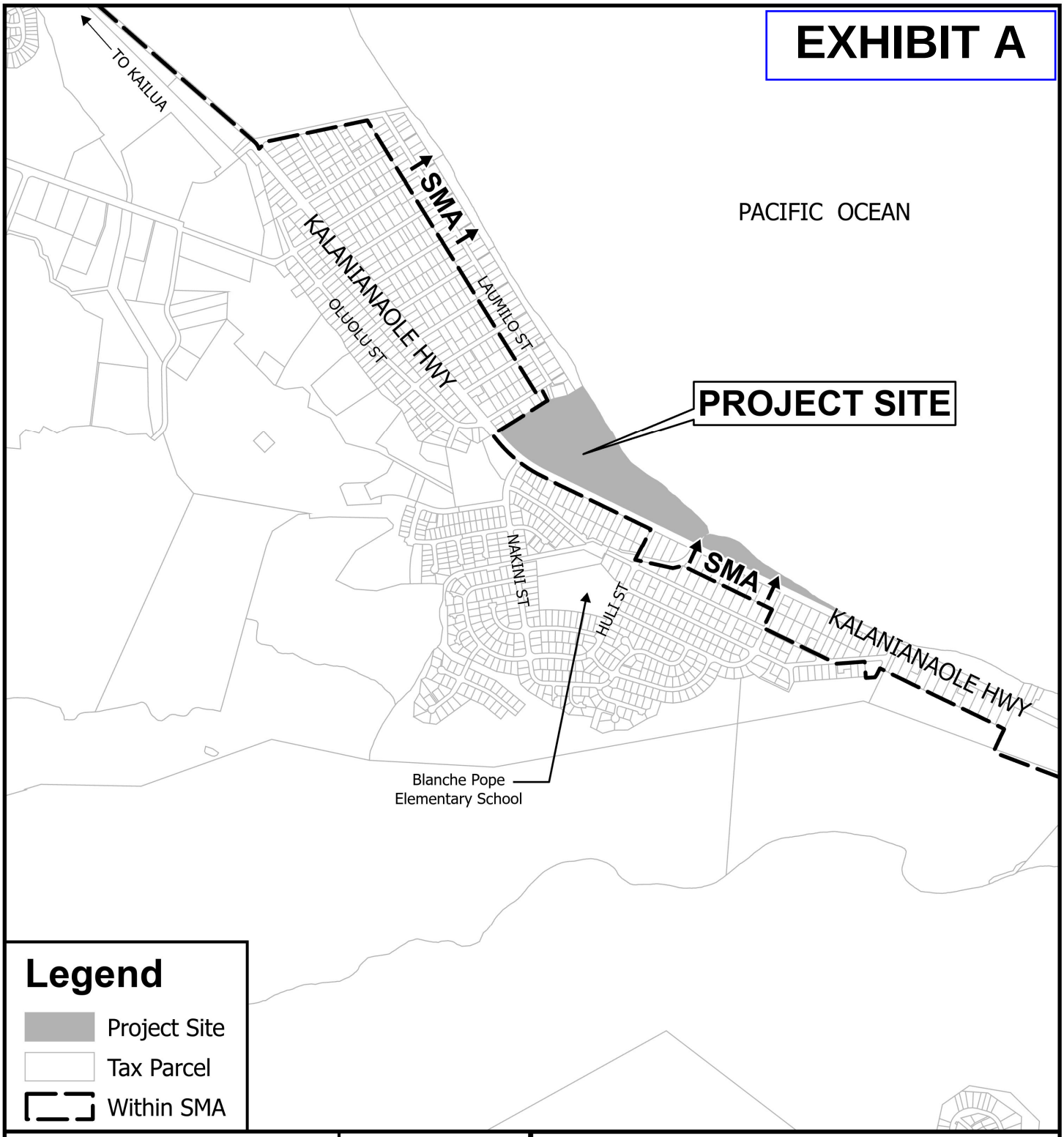
G. Approval of this SMA Major Permit does not constitute compliance with other City ordinances, including but not limited to the LUO and building and construction codes, or other governmental requirements, including but not limited to LUO-related approvals, and building, grading, and grubbing permit approvals, which are subject to separate review and approval. The Applicant 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.

Dated at Honolulu, Hawai'i, this 14 day of October, 2024.

Department of Planning and Permitting
City and County of Honolulu
State of Hawai'i

By _____
Dawn Takeuchi Apuna
Director

Enclosures: Exhibits A through E, F-1 through F-4, and G through K



LOCATION MAP W/SMA

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

FOLDER NO.: 2024/SMA-72

Prepared by: Honolulu Land Information System (HoLIS) - RP
Department of Planning & Permitting (DPP)
City and County of Honolulu

Date Prepared: 07/2024

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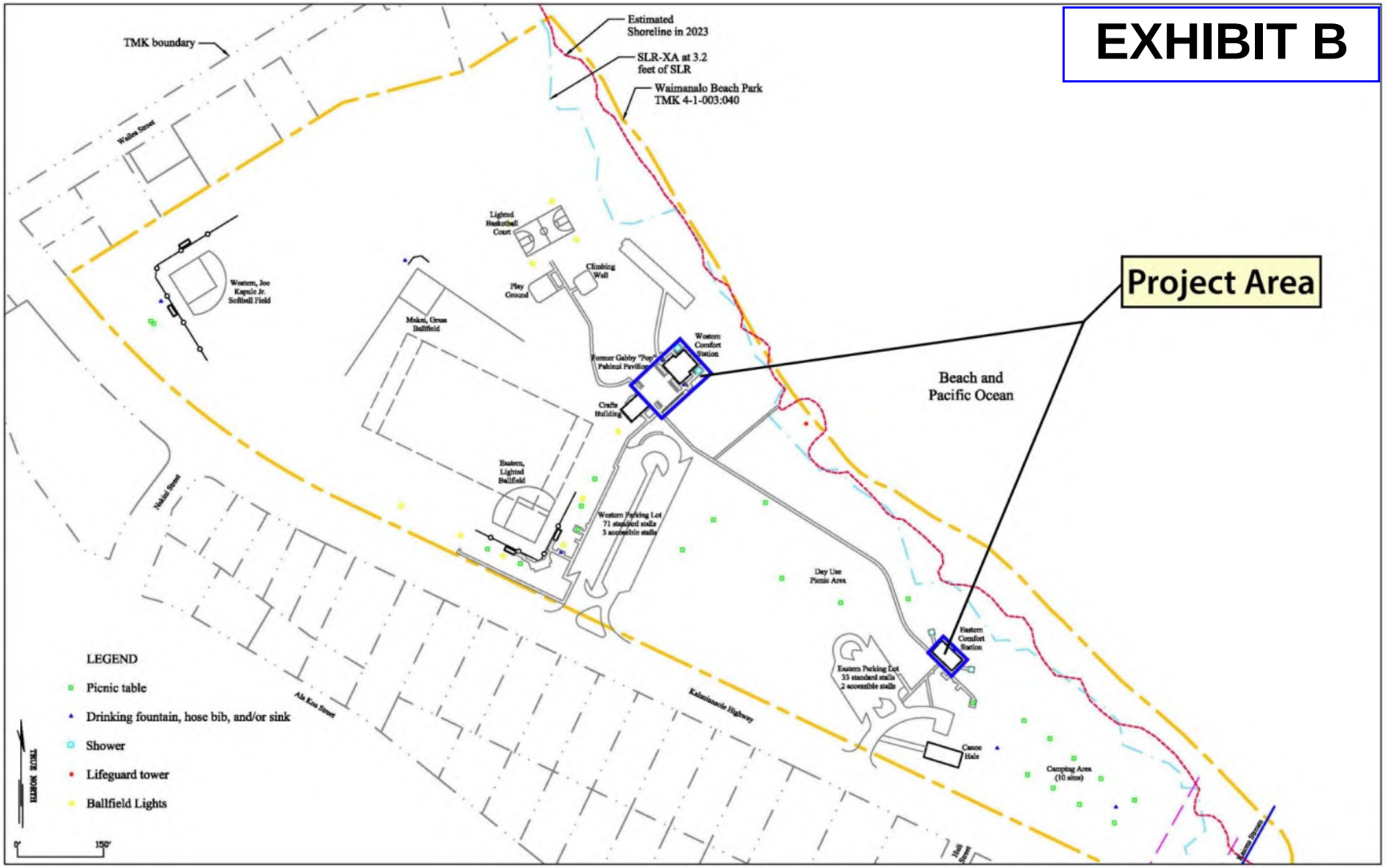
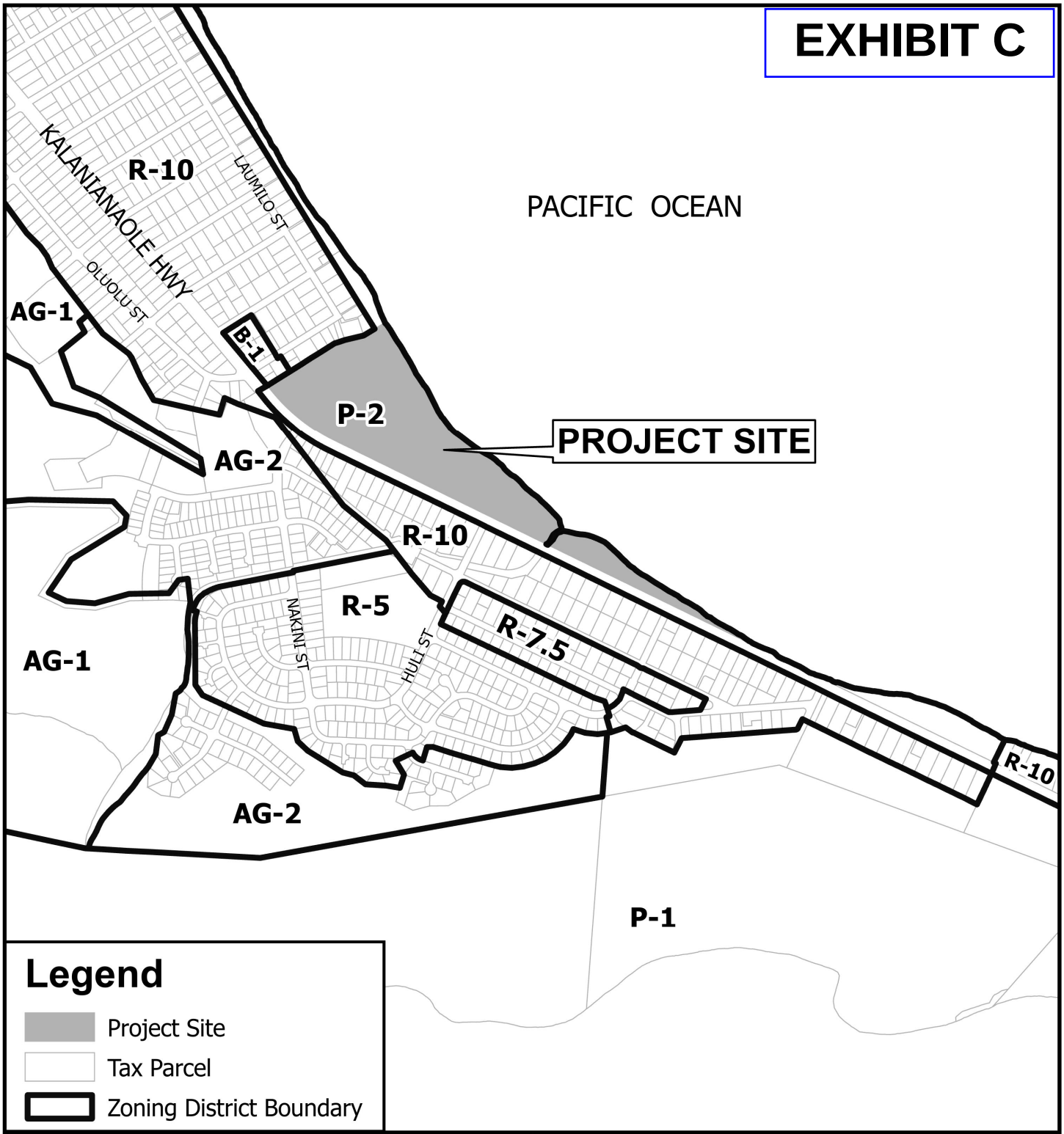


Figure 4. Project-area map showing location of pavilion and western comfort station (blue rectangle to the left) and eastern comfort station (blue rectangle to the right) (base image provided by client)

EXHIBIT C



Legend

- Project Site
- Tax Parcel
- Zoning District Boundary

0 500 1,000 Feet



VICINITY MAP

PORTION OF

ZONING MAP

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

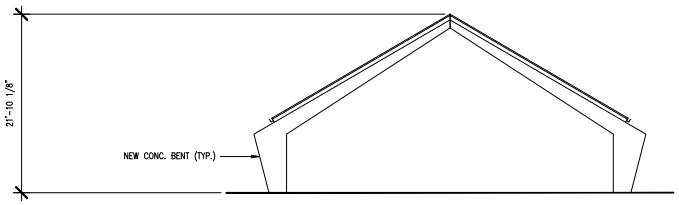
FOLDER NO.: 2024/SMA-72

Prepared by: Honolulu Land Information System (HoLIS) - RP
Department of Planning & Permitting (DPP)
City and County of Honolulu

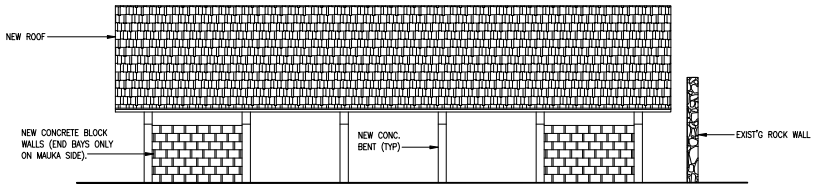
Date Prepared: 07/2024

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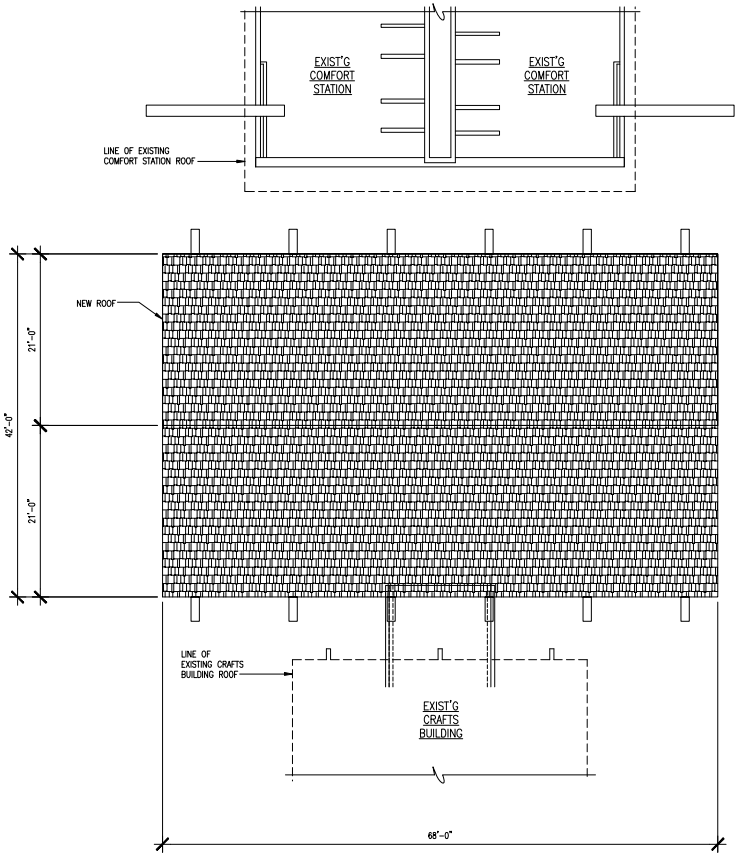
EXHIBIT D



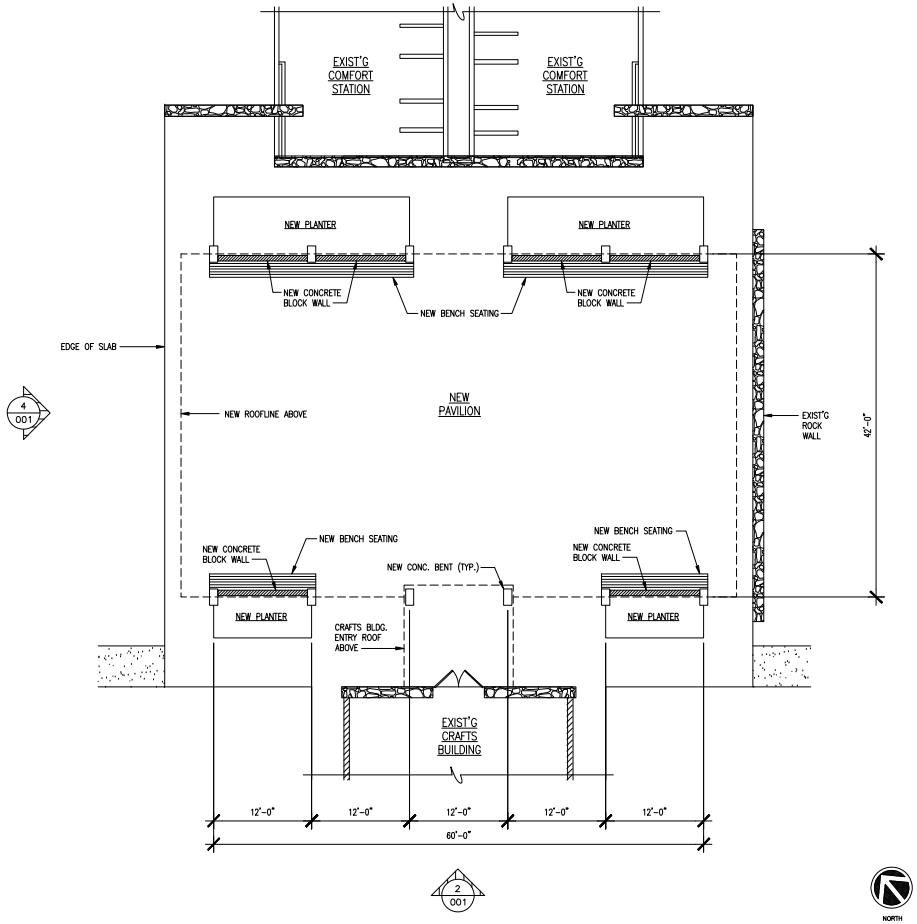
TYPICAL ENDWALL ELEVATION | SCALE: 1/8" = 1'-0" | 4



MAUKA SIDEWALL ELEVATION | SCALE: 1/8" = 1'-0" | 2



PROPOSED ROOF PLAN | SCALE: 1/8" = 1'-0" | 3



PROPOSED FLOOR PLAN | SCALE: 1/8" = 1'-0" | 1

GRAPHIC SCALES: (Scale: 1/8"=1'-0") 16 8 0 4 8

REVISION	DATE	DESCRIPTION	MADE BY	APPROVED

JEFFREY Y. NISHI
LICENSED PROFESSIONAL ARCHITECT
No. 3757
HAWAII, U.S.A.
EXP. DATE 04/30/24
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

DESIGN BY: JYN
REVIEW JYN
DRAWN DMH
DATE: 03/01/23
CHIEF, FACILITIES DIVISION

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

WAIMANALO BEACH PARK
PROPOSED PAVILION

PROPOSED FLOOR PLAN, ROOF PLAN AND ELEVATIONS

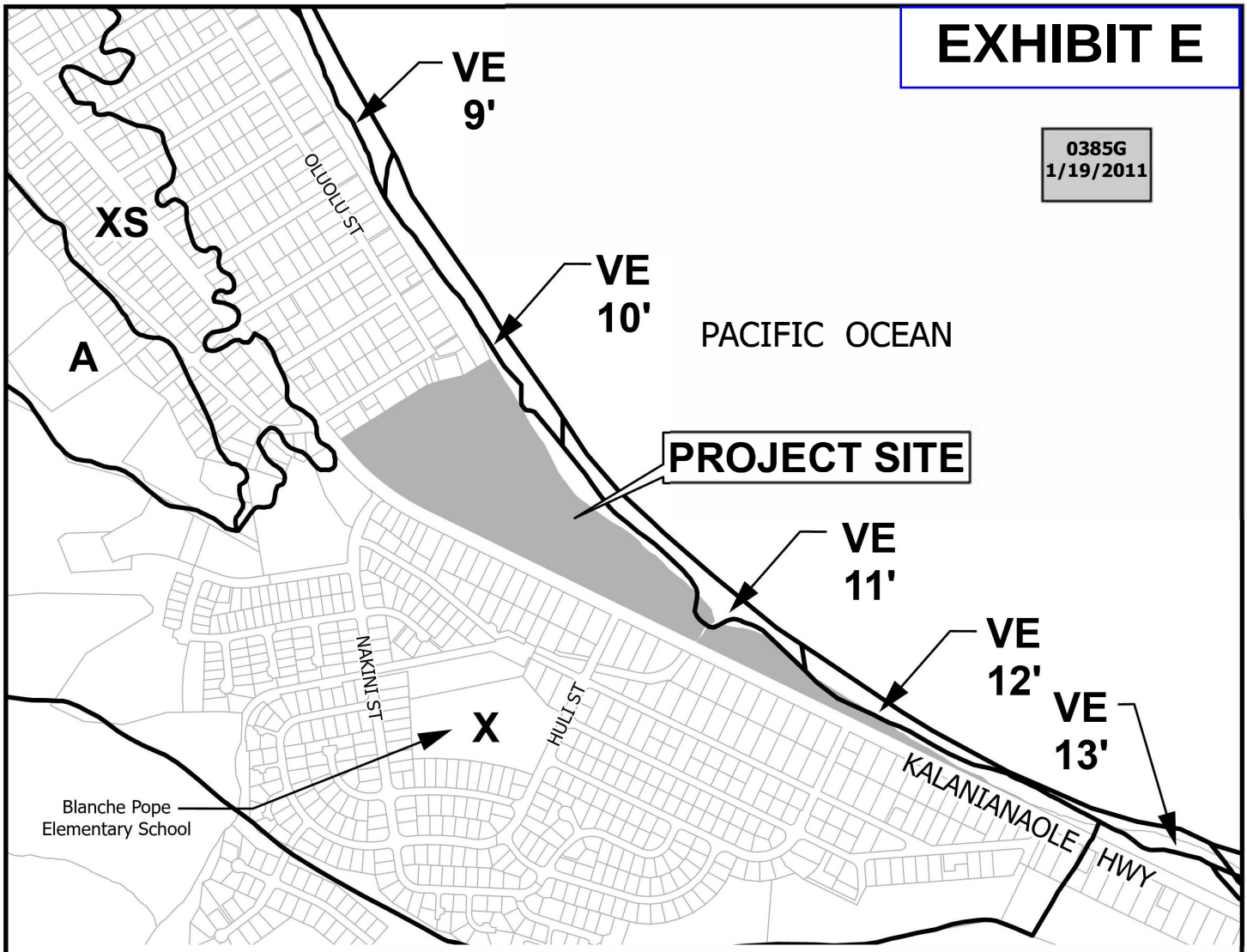
JOB NO. 18-P-16
DRAWING NO. 001
SHEET NO. 1 OF 1
FILE NO. 109/56

C:\Users\Jeffrey\Dropbox\2005 - C&C Waimanalo Pavilion ReBuild\Dwg\1605 Waimanalo Pav Arch.dwg Plotted:7/27/2023 2:56 PM

Replacement Pavilion

EXHIBIT E

0385G
1/19/2011



Legend

- Project Site
- Tax Parcel
- 12' Base Flood Elevation
- Flood Zones

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.

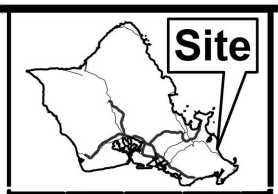
Zone VE = Coastal flood zone with velocity hazard (wave action); BFE determined
Zone A = No BFE determined

OTHER AREAS
Zone X = Areas determined to be outside the 0.2% annual chance floodplain.
Zone D = Areas in which flood hazards are undetermined, but possible.

Zone XS (X shaded) = Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

CITY AND COUNTY OF HONOLULU · STATE OF HAWAII

0 500 1,000
Feet



VICINITY MAP

PORTION OF
FLOOD HAZARD MAP
Waimanalo Beach Park
FIRM PANEL 15003C0385G

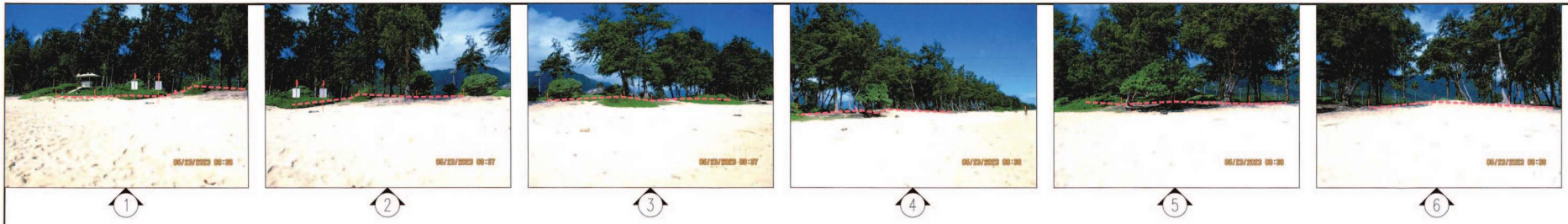
TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040
FOLDER NO.: 2024/SMA-72

Prepared by: Honolulu Land Information System (HoLIS) - RP
Department of Planning & Permitting (DPP)
City and County of Honolulu

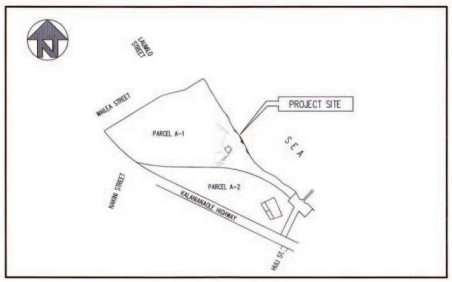
Date Prepared: 07/2024

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EXHIBIT F-1







VICINITY MAP
NOT TO SCALE

The shoreline as delineated in red is hereby certified as the shoreline as of
OCT 2 9 2023

Chairperson, Board of Land and Natural Resources

GRAPHIC SCALE 1"=20'
20 10 0 20 40 60

SURVEY OFFICE COPY

KEVIN S. NISHIURA
LICENSED PROFESSIONAL LAND SURVEYOR
No. 9043
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
EXP.: 04/24
LICENSED PROFESSIONAL LAND SURVEYOR No. 9043

KN Surveying, LLC
1733 LILIHA STREET
HONOLULU, HAWAII 96817
PH. (808) 524-7100

SHORELINE SURVEY
AT WAIMANALO BEACH PARK
OWNER: DEPARTMENT OF HAWAIIAN HOME LANDS
PORTION OF PARCEL A-1
AS SHOWN ON C.S.F. 22,478
WAIMANALO, KOOLAPOKO, OAHU, HAWAII
TAX MAP KEY: 4-1-003: 040 (POR.)
SCALE: 1 IN. = 20 FT.

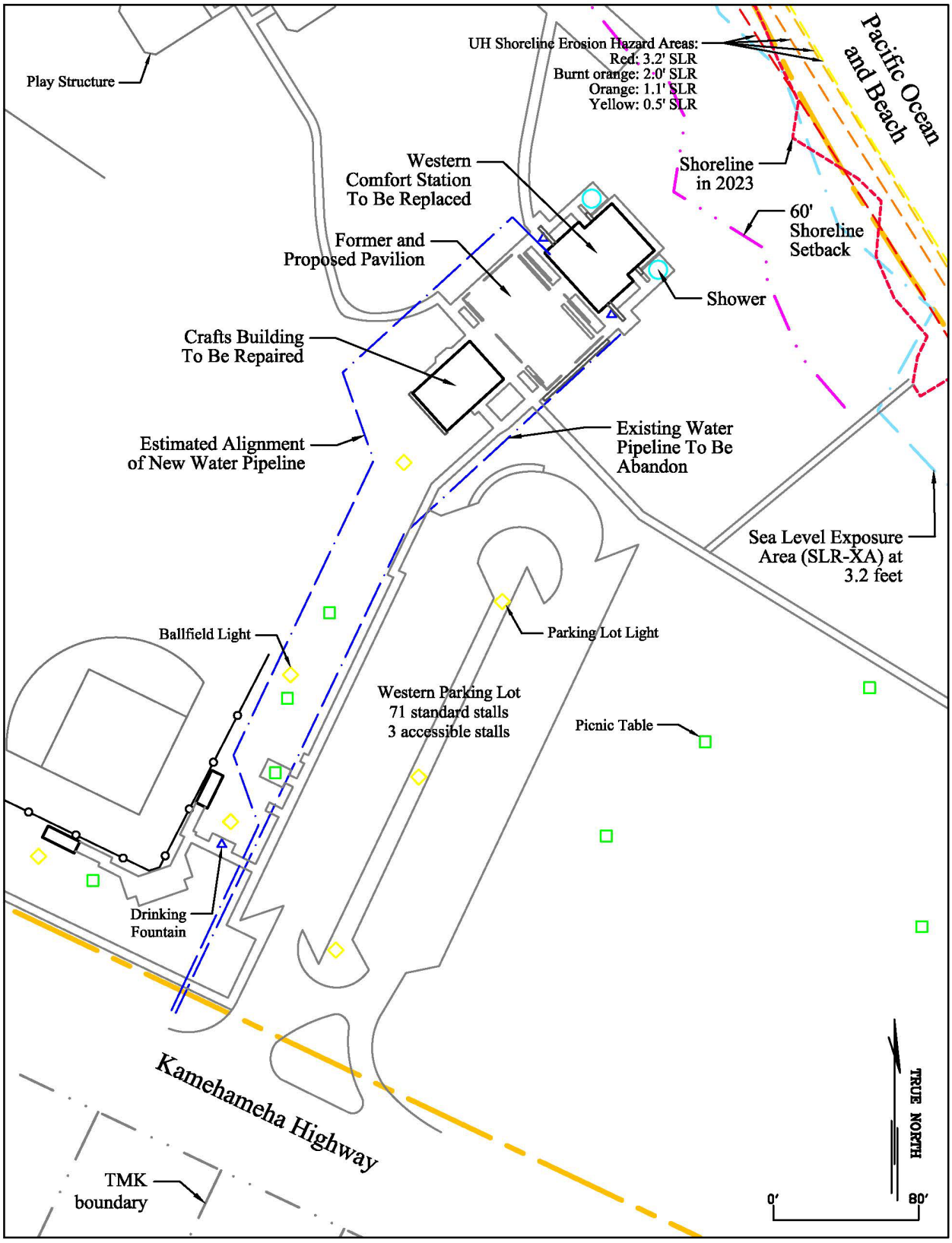
MAY 23, 2023 FIELD BOOK NO. 751: PG 1-27

24 x 36

Certified Shoreline Survey for Western Portion

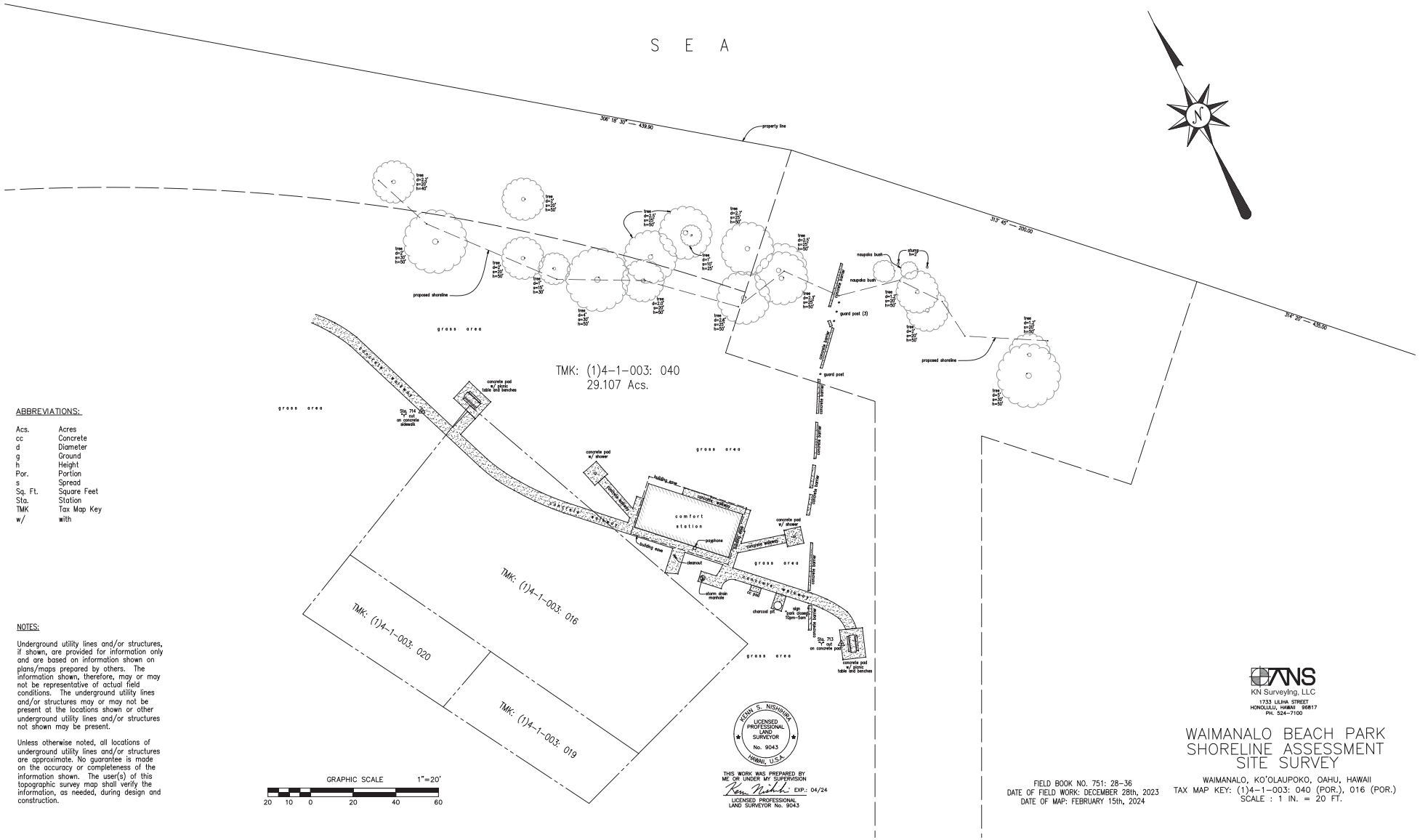
EXHIBIT F-2

Figure 2-5: Western Area Site Plan



Source: PSI, CCH, and PacIOOS.

EXHIBIT F-3



ABBREVIATIONS:

Acs.	Acres
cc	Concrete
d	Diameter
g	Ground
h	Height
Por.	Portion
s	Spread
Sq. Ft.	Square Feet
Sta.	Station
TMK	Tax Map Key
w/	with

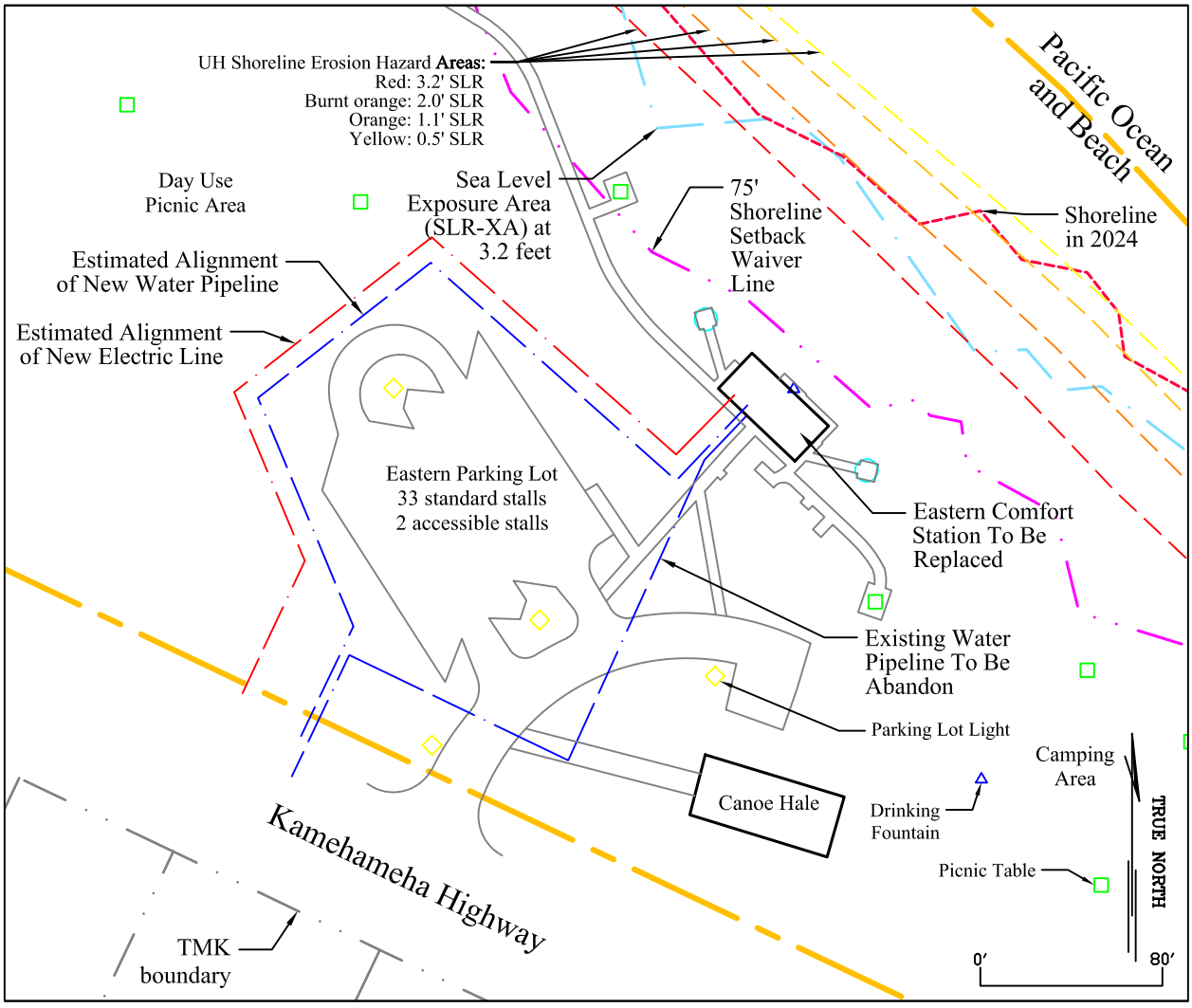
NOTES:

Underground utility lines and/or structures, if shown, are provided for information only and are based on information shown on plans/maps prepared by others. The information shown, therefore, may or may not be representative of actual field conditions. The underground utility lines and/or structures may or may not be present at the locations shown or other underground utility lines and/or structures not shown may be present.

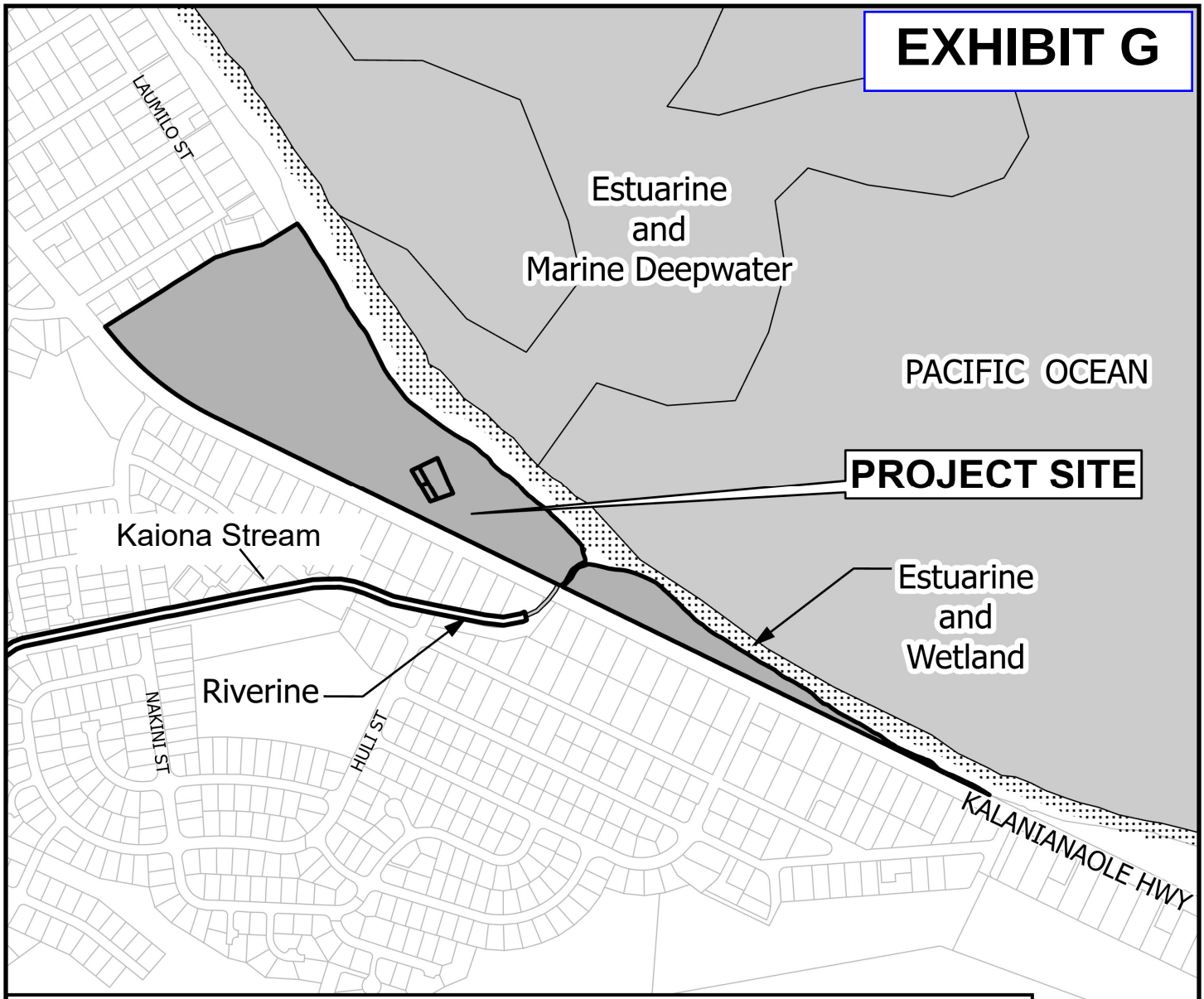
Unless otherwise noted, all locations of underground utility lines and/or structures are approximate. No guarantee is made on the accuracy or completeness of the information shown. The user(s) of this topographic survey map shall verify the information, as needed, during design and construction.

Shoreline Survey for Eastern Portion

EXHIBIT F-4



Eastern Comfort Station Area
Waimanalo Beach Park



Legend

- Project Site
- Tax Parcel

WETLAND TYPE

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Riverine

CITY AND COUNTY OF HONOLULU · STATE OF HAWAII

0 500 1,000 Feet



VICINITY MAP

PORTION OF

WETLANDS MAP

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

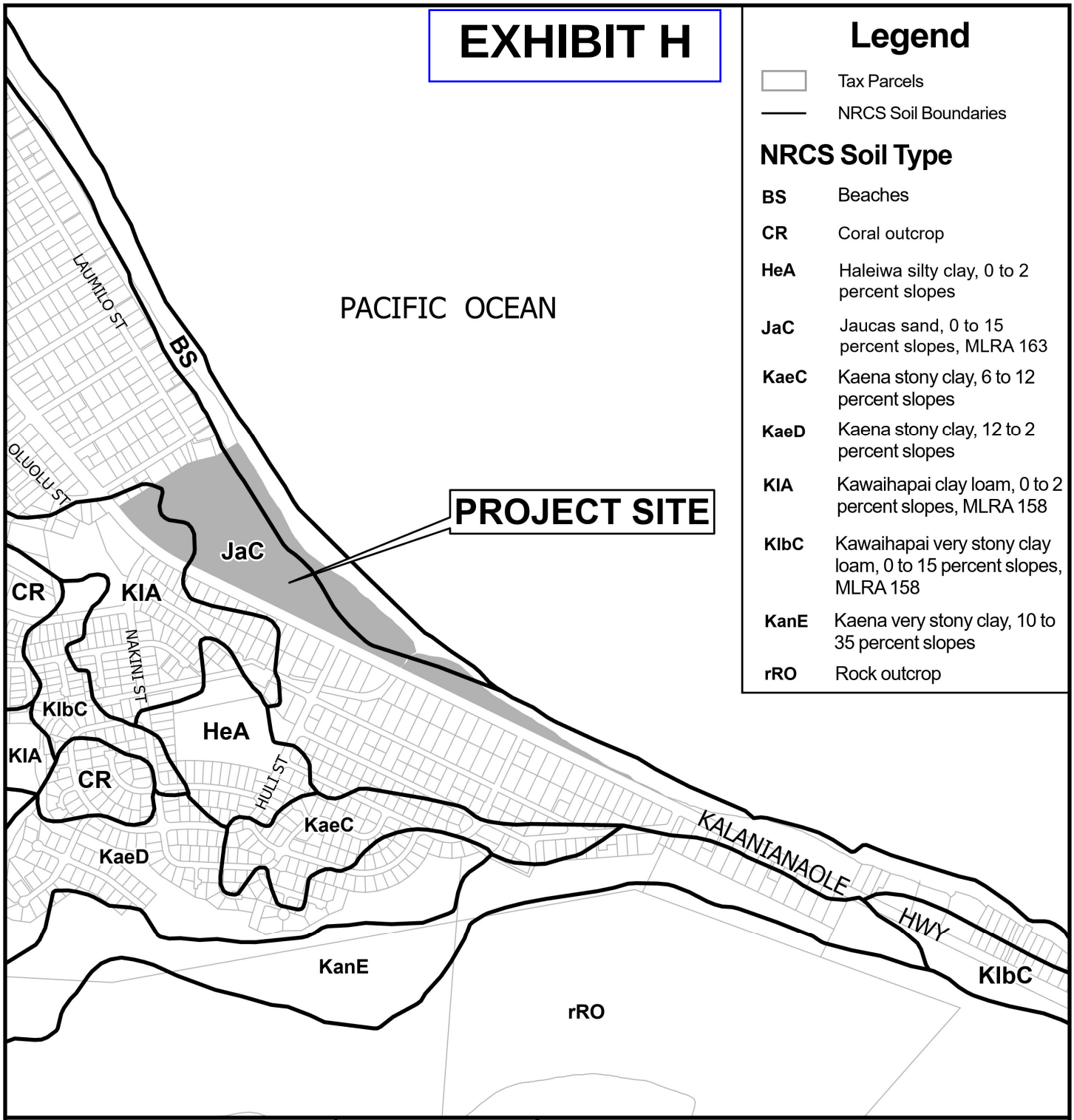
FOLDER NO.: 2024/SMA-72

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City and County of Honolulu

Date Prepared: 07/2024

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EXHIBIT H



Legend

- Tax Parcels
- NRCS Soil Boundaries

NRCS Soil Type

BS	Beaches
CR	Coral outcrop
HeA	Haleiwa silty clay, 0 to 2 percent slopes
JaC	Jaucas sand, 0 to 15 percent slopes, MLRA 163
KaeC	Kaena stony clay, 6 to 12 percent slopes
KaeD	Kaena stony clay, 12 to 2 percent slopes
KlA	Kawaihapai clay loam, 0 to 2 percent slopes, MLRA 158
KlbC	Kawaihapai very stony clay loam, 0 to 15 percent slopes, MLRA 158
KanE	Kaena very stony clay, 10 to 35 percent slopes
rRO	Rock outcrop

CITY AND COUNTY OF HONOLULU · STATE OF HAWAII

0 500 1,000 Feet



VICINITY MAP

PORTION OF

SOIL MAP

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

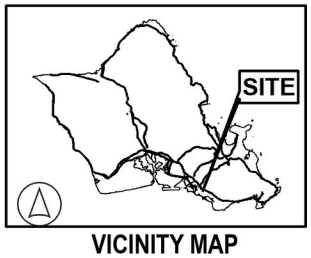
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City and County of Honolulu

Date Prepared: 07/2024

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VICINITY MAP

0 125 250 500

Scale in Feet

EXHIBIT I

Coastal Erosion and Sea Level Rise Exposure Area (3.2 feet)

41-741 Kalaniana‘ole Highway - Waimānalo

TAX MAP KEYS: 4-1-003: 016, 019, 020, and 040

FOLDER NO.: 2024/SMA-72

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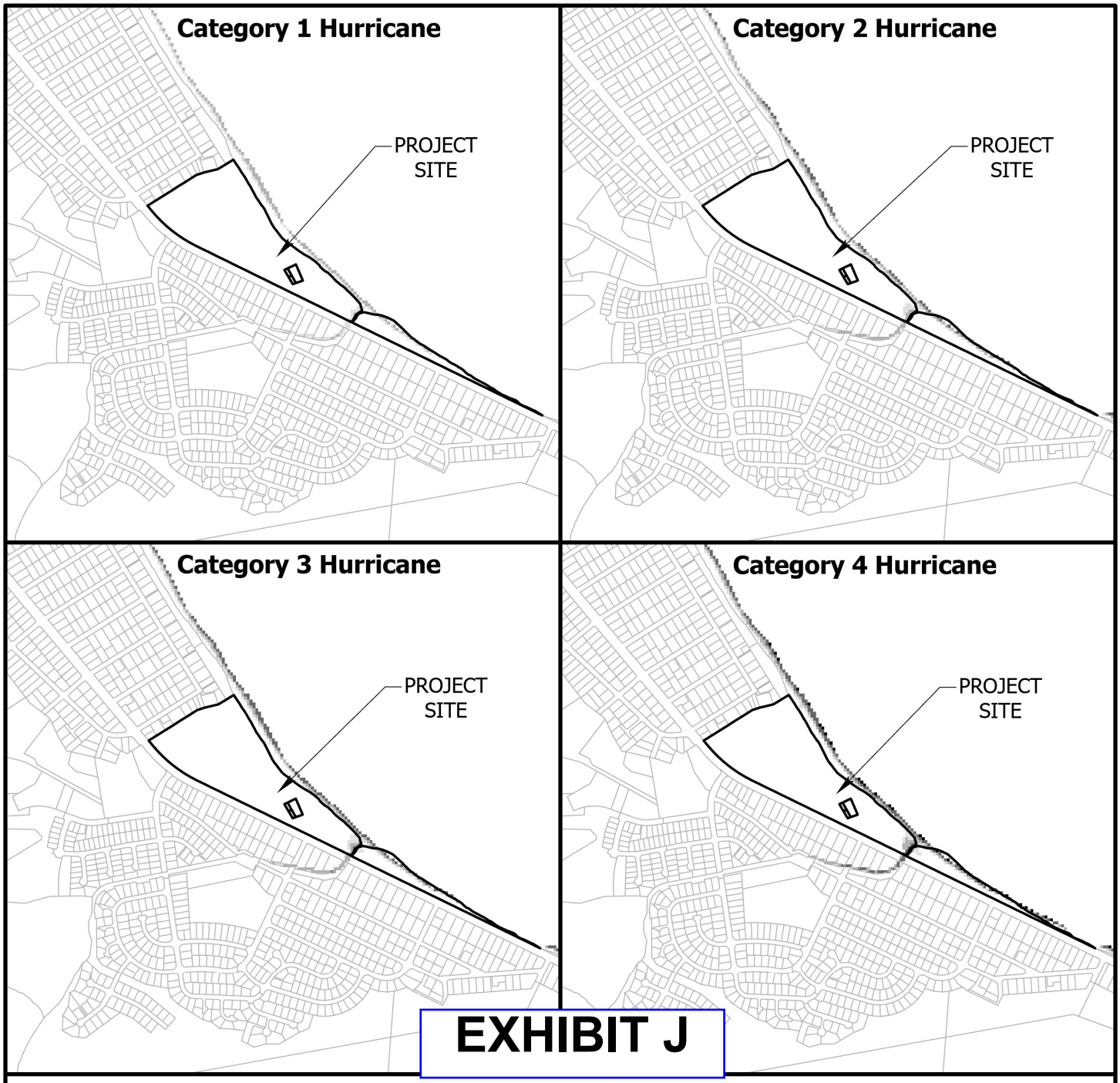


EXHIBIT J

Legend

Less than 3 feet above ground

Greater than 3 feet above ground

Greater than 6 feet above ground

Greater than 9 feet above ground

CITY AND COUNTY OF HONOLULU
STATE OF HAWAII

0 1,000 2,000 Feet



VICINITY MAP

PORTION OF

STORM SURGE MAP

Waimanalo Beach Park

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(S): 4-1-003:016,
4-1-003:019, 4-1-003:020, 4-1-003:040

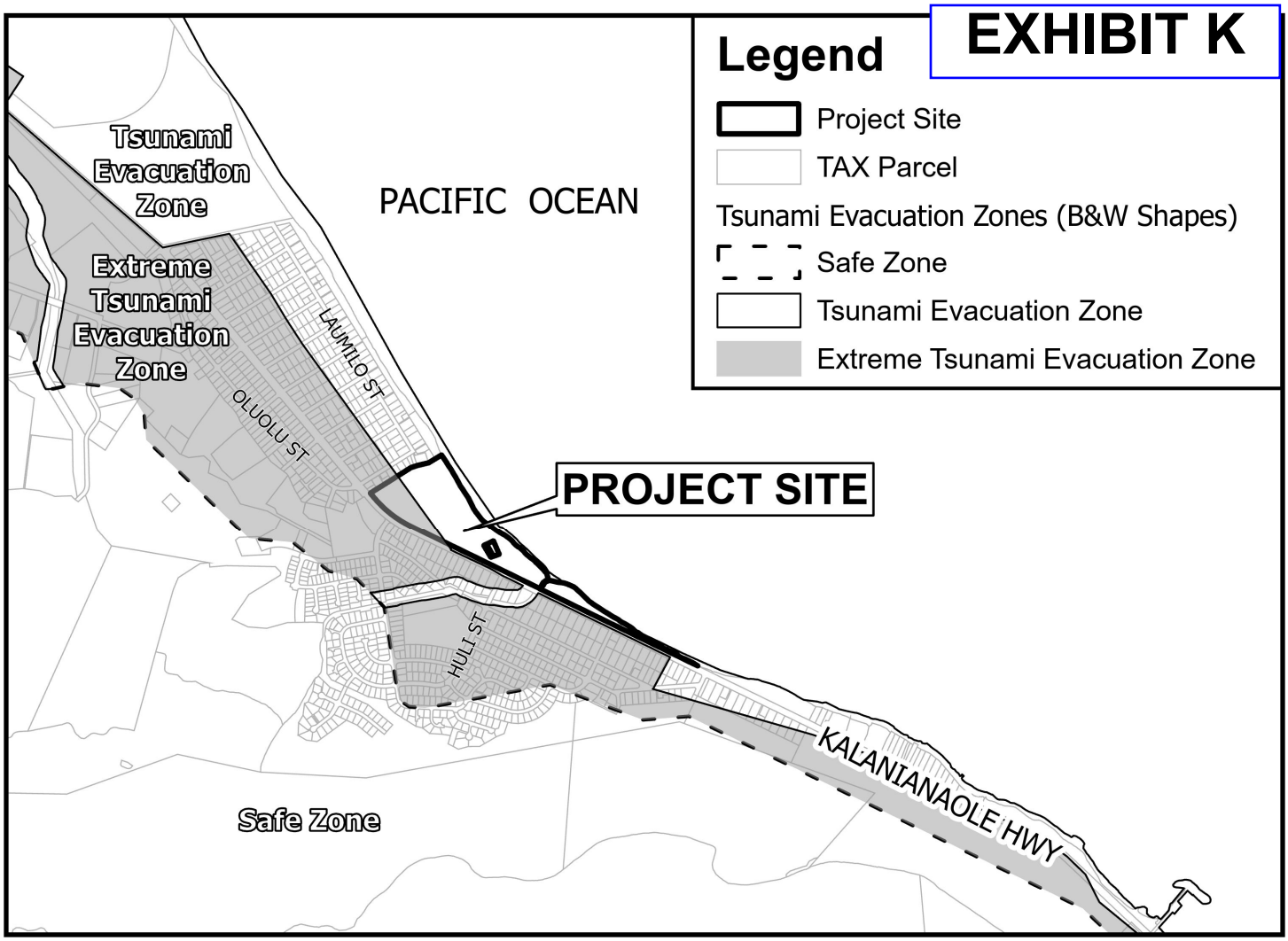
FOLDER NO.: 2024/SMA-72

Prepared by: Honolulu Land Information System (HoLIS) - RP
Department of Planning & Permitting (DPP)
City and County of Honolulu

Date Prepared: 07/2024

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EXHIBIT K

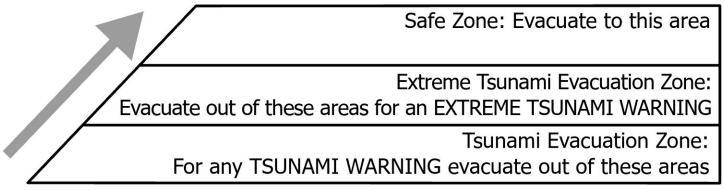


- For most Tsunami Warnings, evacuate out of the Tsunami Evacuation Zone; in the unlikely case of an Extreme Tsunami Warning, evacuate out of the Extreme Tsunami Evacuation Zone
- Remain at least 100 feet away from inland waterways and marinas connected to the ocean due to wave surges and possible flooding
- 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
- The evacuation zone is a guideline and should be considered t minimum safe evacuation distance

- 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

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



CITY AND COUNTY OF HONOLULU · STATE OF HAWAII

0 1,000 2,000
Feet



VICINITY MAP

PORTION OF

TSUNAMI EVACUATION MAP

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

FOLDER NO.: 2024/SMA-72

Prepared by: Honolulu Land Information System (HoLIS) - RP
Department of Planning & Permitting (DPP)
City and County of Honolulu

Date Prepared: 07/2024

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HONOLULU CITY COUNCIL

KE KANIHELA O KE KALANA O HONOLULU

CITY AND COUNTY OF HONOLULU

No._____

RESOLUTION

GRANTING A SPECIAL MANAGEMENT AREA MAJOR PERMIT TO ALLOW PHASED IMPROVEMENTS FOR THE WAIMĀNALO BEACH PARK IN WAIMĀNALO, O'AHU.

WHEREAS, on July 8, 2024, the Department of Planning and Permitting ("DPP") accepted the application (DPP File No. 2024/SMA-72) from James T. Hayes ("Agent") on behalf of the Department of Design and Construction ("Applicant") for a Special Management Area ("SMA") Major Permit to allow for the construction of phased improvements, including the replacement of the two comfort stations, a former pavilion, and restoration of the crafts building, on approximately 29.56 acres of land zoned P-2 General Preservation District, located at 41-741 Kalaniana'ole Highway, and identified as Tax Map Keys ("TMK") 4-1-003: 016, 019, 020, and 040 (the "Project"); and

WHEREAS, on September 5, 2024, the DPP held a public hearing at the Fasi Municipal Building 6th Floor Conference Room, which was attended by the Applicant, the Applicant's Agent, DPP staff, Department of Parks and Recreation ("DPR") staff: three members of the public were in attendance and provided comments; and

WHEREAS, on October 14, 2024, within 45 calendar days after the close of the public hearing, the DPP, having duly considered all evidence and the objectives, policies, and guidelines, as established in the Revised Ordinances of Honolulu 2021 ("ROH") §§ 25-3.1 and 25-4.1 and the 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 _____, by Departmental Communication No. _____ (2024), and having duly considered all of the findings and reports on the matter, desires to approve the subject application for an SMA Major Permit, with the conditions enumerated below; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu ("City") 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 E, F-1 through F-4, and G through K, 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 as addressed in ROH Chapter 25, HRS Chapter 205A, or both, will require a new application and SMA

Use Permit. Any new application for an SMA Use Permit for the Project will be processed in accordance with the ordinance in effect at the time the application is accepted by the DPP. Any change that does not have a significant effect on coastal resources will be considered a minor modification and may be permitted under this resolution, upon review and approval by the Director of the DPP.

B. To account for the potential future shift of land from the State Land Use Urban District to the State Land Use Conservation District in response to coastal erosion, the landowner hereby acknowledges (and any successor owner or interested party is hereby notified of) the following:

> "*In choosing to implement construction activities at TMKs 4-1-003: 016, 019, 020, and 040, the Landowner hereby acknowledges that land makai of the regulatory shoreline is State public land, falls within the State Land Use Conservation District, and must remain available for public use and recreational activities. The landowner further acknowledges that should any portion of a structure encroach into State public land, the State Board of Land and Natural Resources may require the removal of the structure or a lease for encroachments extending into the State public land. As a result of this acknowledgement, successor owners and interested parties are hereby notified of this same information and the land owner shall hold harmless and indemnify the City of any responsibility that may result from adverse impacts associated with sea level rise and coastal erosion.*"

This statement must be clearly stated under "Landowner Acknowledgements" on all Project building permit plans.

C. To minimize 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 hereby acknowledges (and any successor owner or interested party is hereby notified of) the following:

a. *In choosing to undertake development at TMKs 4-1-003: 016, 019, 020, and 040, the landowner hereby acknowledges that no claim of hardship may be asserted in order to obtain approval for a shoreline setback variance for a shoreline protection structure.*

b. The landowner hereby acknowledges that TMKs 4-1-003: 016, 019, 020, and 040 are susceptible to coastal hazards, which may result in harm to or loss of life and property."

This statement must be clearly stated under "Landowner Acknowledgements" on all Project building permit plans.

D. To minimize impacts to known and unknown archaeological, historic, and cultural resources that may be present at the Project site, the Applicant shall comply with the following measures:

1. Prior to the issuance of any construction permit or building permit for the Project, the Applicant shall submit to the DPP a copy of the written determination from the State Historic Preservation Division ("SHPD") stating that SHPD has completed its review of the impact of the Project on historic properties pursuant to HRS § 6E-42, and has determined whether any mitigative actions and protocols are required.

2. If applicable, the Applicant shall implement all mitigative actions and protocols required or recommended by SHPD in its written determination; and

3. 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, must be clearly stated under "Environmental Notes" on all Project construction permit plans and building permit plans.

E. To minimize impacts to avian, marine, and terrestrial fauna that may frequent or traverse the vicinity of the Project site, the Applicant is responsible for the following:

RESOLUTION

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, 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 § 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;

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

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

7. All Project-related activities must cease if a Hawaiian monk seal, Green Sea Turtle, or Hawksbill Turtle is on land within 150 ft. of the work area, or as recommended by State 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-ft. 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.

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 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 importation of fill material to the extent possible. No importation of fill soil is proposed for the imminent project components;

2. 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").

3. 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; and

4. 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."

G. Approval of this SMA Use 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

HONOLULU CITY COUNCIL

KE KANIHELA O KE KALANA O HONOLULU

CITY AND COUNTY OF HONOLULU

No._____.

RESOLUTION

Applicant shall be responsible for ensuring that the final plans for the Project approved under this SMA Use Permit comply with all applicable City ordinances and other governmental provisions and requirements.

BE IT FINALLY RESOLVED by the Council of the City and County of Honolulu that copies of this Resolution be transmitted to Laura H. Thielen, Director of the Department of Parks and Recreation, 1000 Uluohia Street, Suite 309, Kapolei, Hawai'i 96707; Haku Miles, Director of the Department of Design and Construction, 650 South King Street, 11th Floor, Honolulu, Hawai'i 96813; James T. Hayes, Planning Solutions, Inc., 711 Kapi'olani Boulevard, Suite 950, 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:

_____

_____

_____

_____

_____

_____

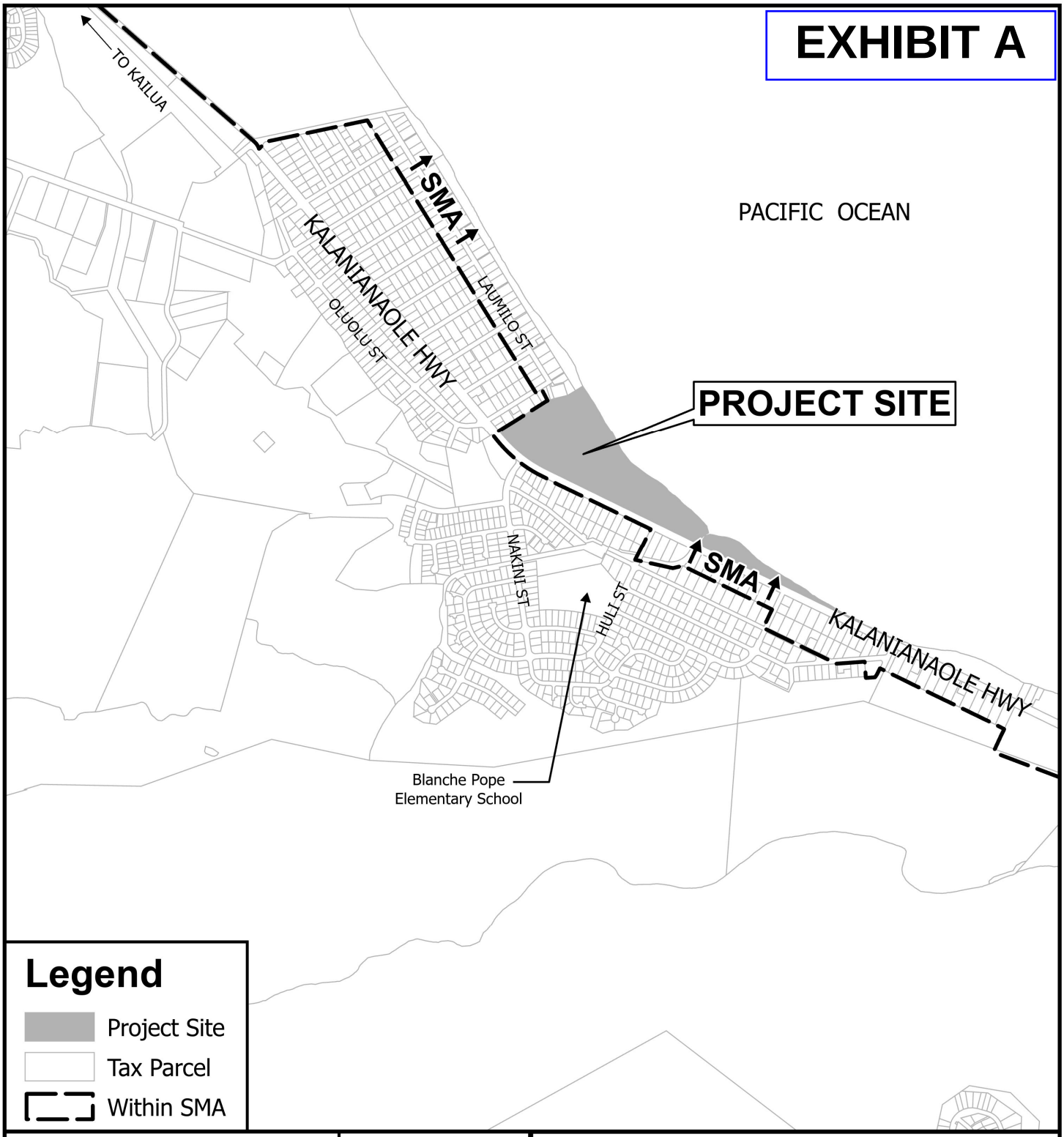
DATE OF INTRODUCTION: _____

_____

_____ _____

Honolulu, Hawai'i Councilmembers

DPP24SMA72



LOCATION MAP W/SMA

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

FOLDER NO.: 2024/SMA-72

Prepared by: Honolulu Land Information System (HoLIS) - RP
Department of Planning & Permitting (DPP)
City and County of Honolulu

Date Prepared: 07/2024

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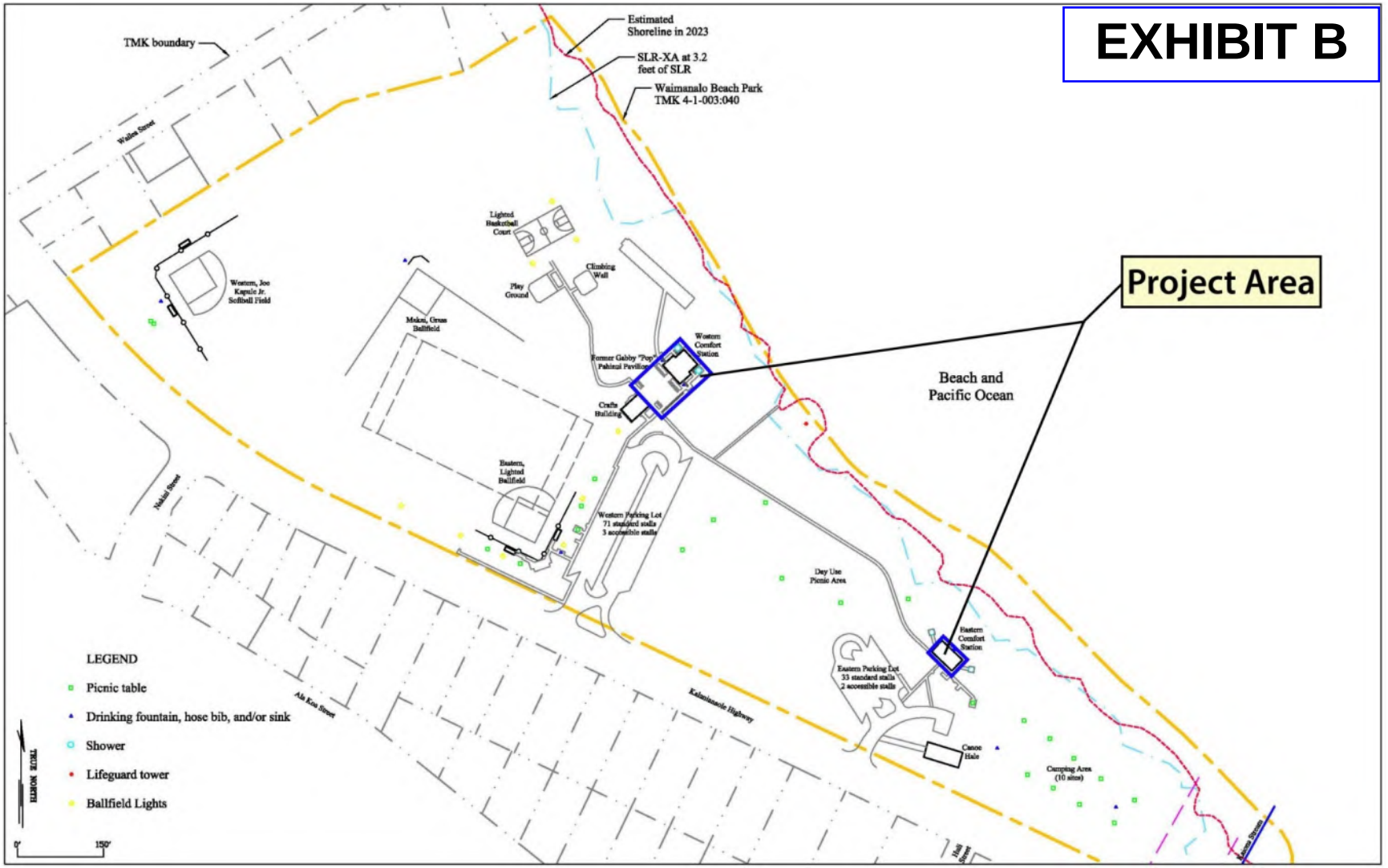
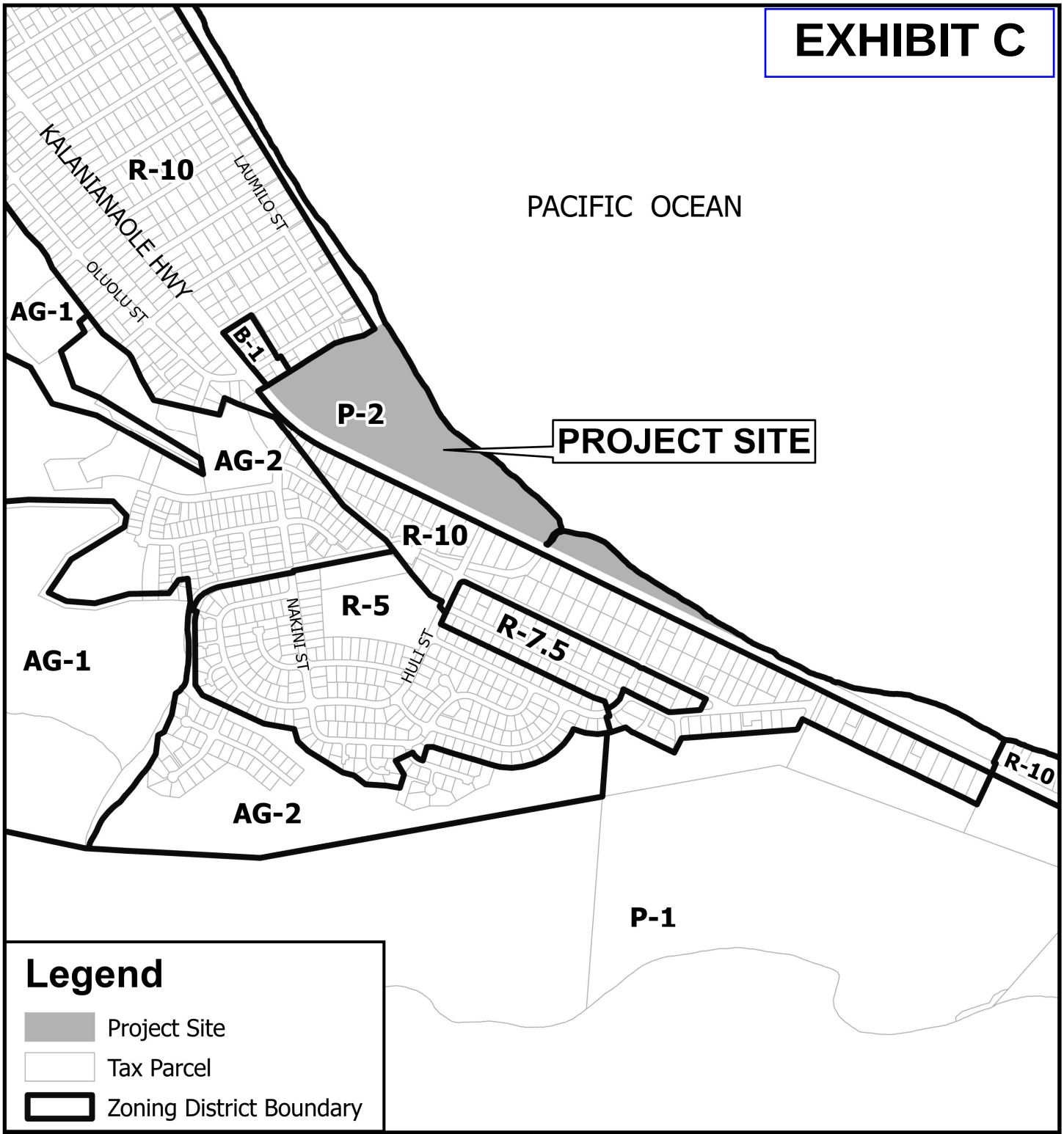


Figure 4. Project-area map showing location of pavilion and western comfort station (blue rectangle to the left) and eastern comfort station (blue rectangle to the right) (base image provided by client)

EXHIBIT C



Legend

- Project Site
- Tax Parcel
- Zoning District Boundary

0 500 1,000 Feet



VICINITY MAP

PORTION OF

ZONING MAP

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

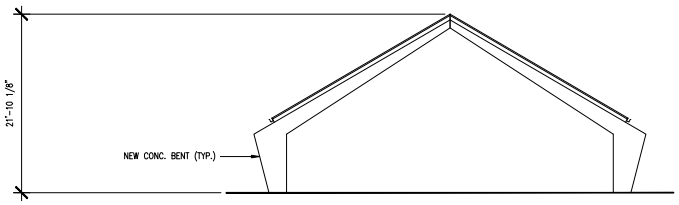
FOLDER NO.: 2024/SMA-72

Prepared by: Honolulu Land Information System (HoLIS) - RP
Department of Planning & Permitting (DPP)
City and County of Honolulu

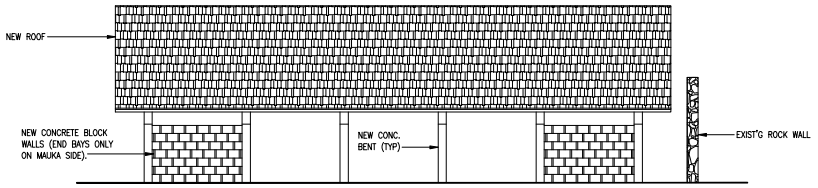
Date Prepared: 07/2024

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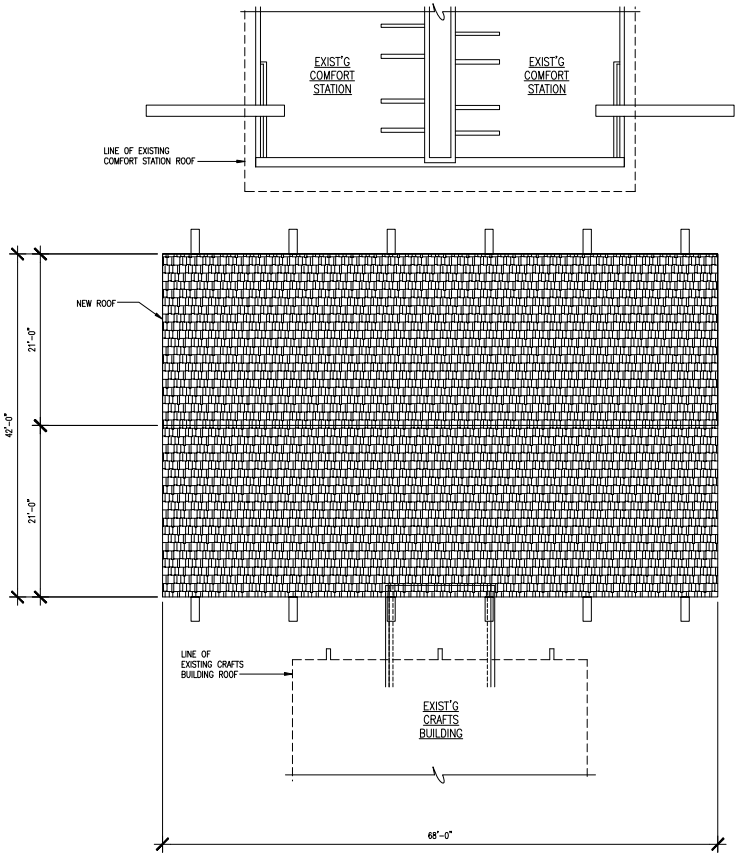
EXHIBIT D



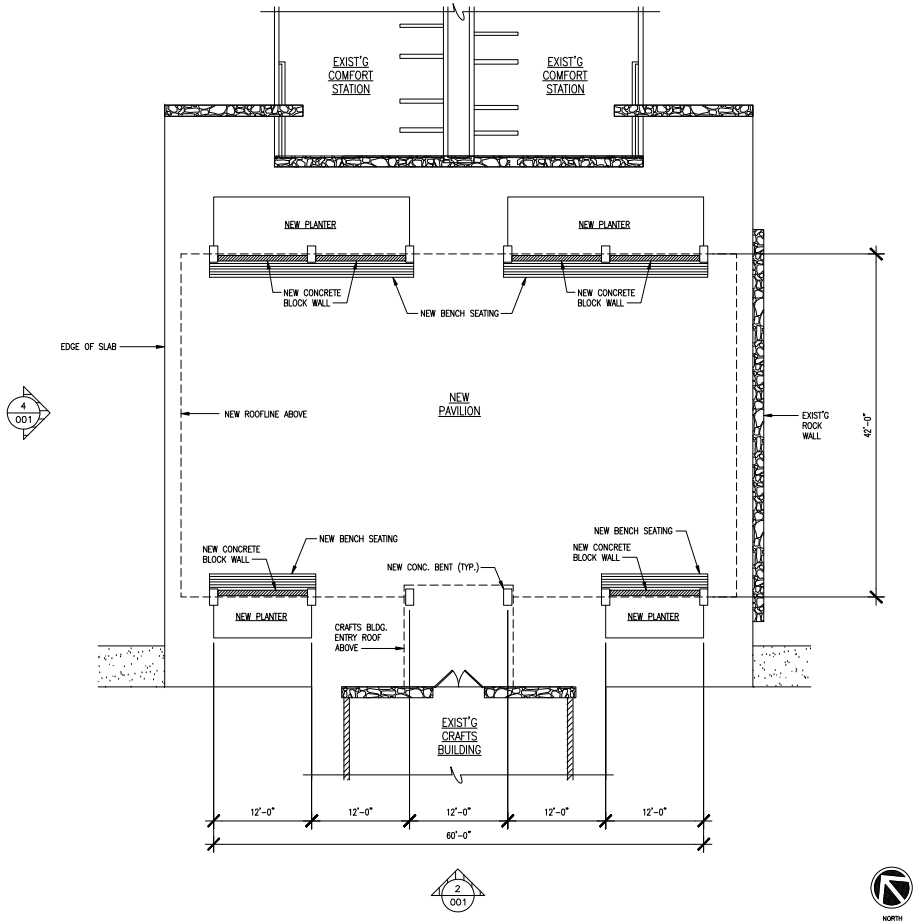
TYPICAL ENDWALL ELEVATION | SCALE: 1/8" = 1'-0" | 4



MAUKA SIDEWALL ELEVATION | SCALE: 1/8" = 1'-0" | 2



PROPOSED ROOF PLAN | SCALE: 1/8" = 1'-0" | 3



PROPOSED FLOOR PLAN | SCALE: 1/8" = 1'-0" | 1

GRAPHIC SCALES: (Scale: 1/8"=1'-0") 16 8 0 4 8

REVISION	DATE	DESCRIPTION	MADE BY	APPROVED

JEFFREY Y. NISHI
LICENSED PROFESSIONAL ARCHITECT
No. 3757
HAWAII, U.S.A.
EXP. DATE 04/30/24
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

DESIGN BY: JYN
REVIEW JYN
DRAWN DMH
DATE: 03/01/23
CHIEF, FACILITIES DIVISION

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

WAIMANALO BEACH PARK
PROPOSED PAVILION

PROPOSED FLOOR PLAN, ROOF PLAN AND ELEVATIONS

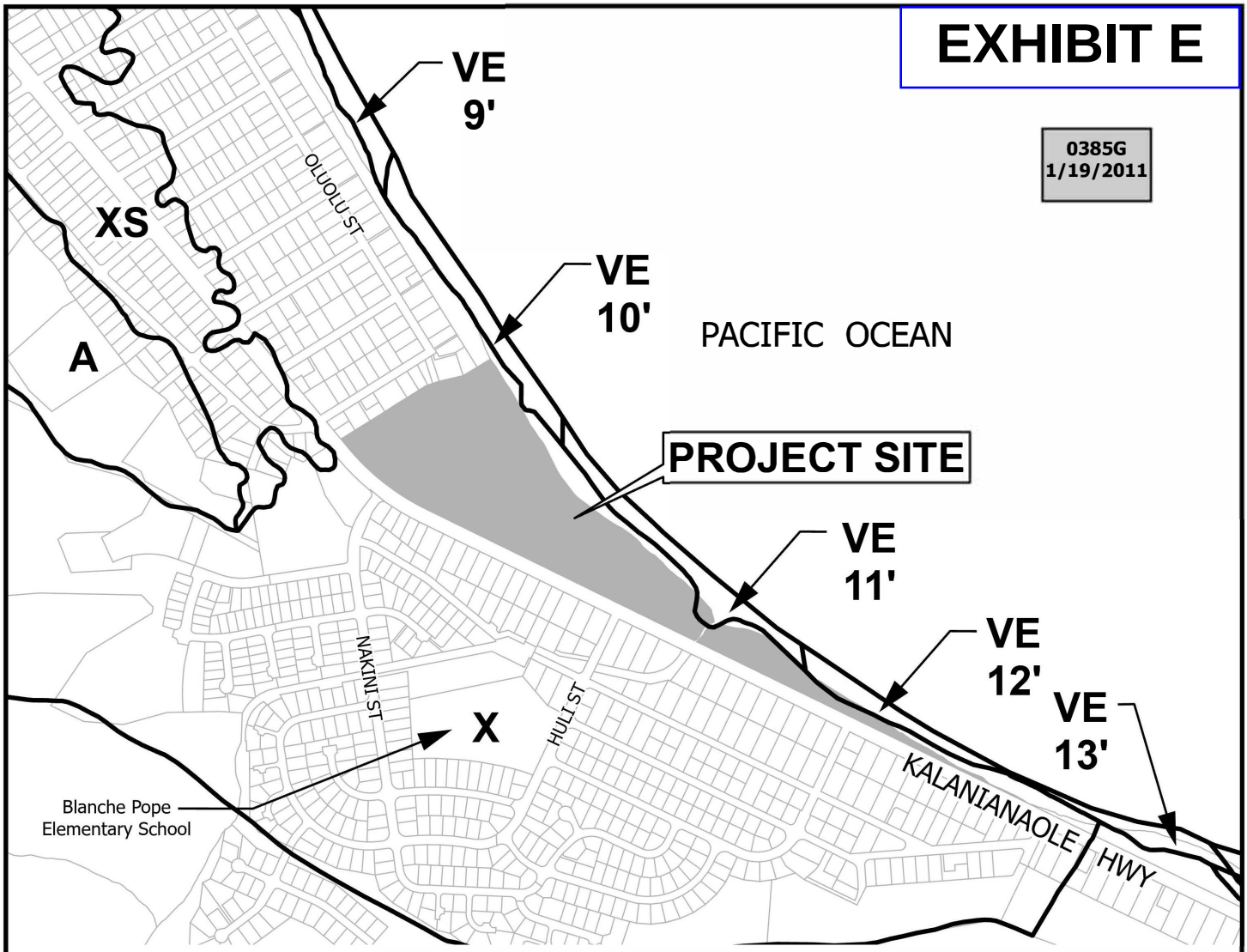
JOB NO. 18-P-16
DRAWING NO. 001
SHEET NO. 1 OF 1
FILE NO. 109/56

C:\Users\Jeffrey\Dropbox\2005 - C&C Waimanalo Pavilion ReBuild\Dwg\1605 Waimanalo Pav Arch.dwg Plotted:7/27/2023 2:56 PM

Replacement Pavilion

EXHIBIT E

0385G
1/19/2011



Legend

- Project Site
- Tax Parcel
- 12' Base Flood Elevation
- Flood Zones

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.

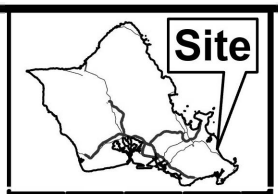
Zone VE = Coastal flood zone with velocity hazard (wave action); BFE determined
Zone A = No BFE determined

OTHER AREAS
Zone X = Areas determined to be outside the 0.2% annual chance floodplain.
Zone D = Areas in which flood hazards are undetermined, but possible.

Zone XS (X shaded) = Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

CITY AND COUNTY OF HONOLULU · STATE OF HAWAII

0 500 1,000
Feet



VICINITY MAP

PORTION OF
FLOOD HAZARD MAP
Waimanalo Beach Park
FIRM PANEL 15003C0385G

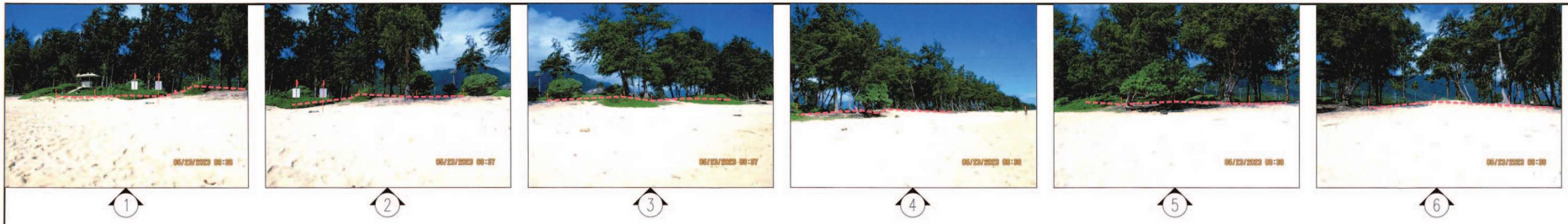
TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040
FOLDER NO.: 2024/SMA-72

Prepared by: Honolulu Land Information System (HoLIS) - RP
Department of Planning & Permitting (DPP)
City and County of Honolulu

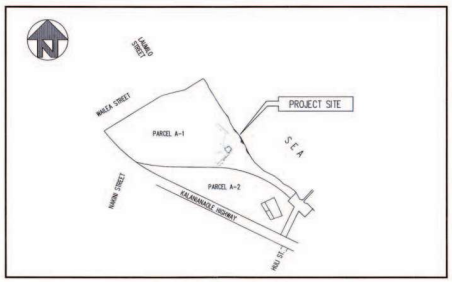
Date Prepared: 07/2024

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EXHIBIT F-1







VICINITY MAP
NOT TO SCALE

The shoreline as delineated in red is hereby certified as the shoreline as of
OCT 2 9 2023

Chairperson, Board of Land and Natural Resources

GRAPHIC SCALE 1"=20'
20 10 0 20 40 60

SURVEY OFFICE COPY

KEVIN S. NISHIURA
LICENSED PROFESSIONAL LAND SURVEYOR
No. 9043
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
EXP.: 04/24
LICENSED PROFESSIONAL LAND SURVEYOR No. 9043

KN Surveying, LLC
1733 LILIHA STREET
HONOLULU, HAWAII 96817
PH. (808) 524-7100

SHORELINE SURVEY
AT WAIMANALO BEACH PARK
OWNER: DEPARTMENT OF HAWAIIAN HOME LANDS
PORTION OF PARCEL A-1
AS SHOWN ON C.S.F. 22,478
WAIMANALO, KOOLAPOKO, OAHU, HAWAII
TAX MAP KEY: 4-1-003: 040 (POR.)
SCALE: 1 IN. = 20 FT.

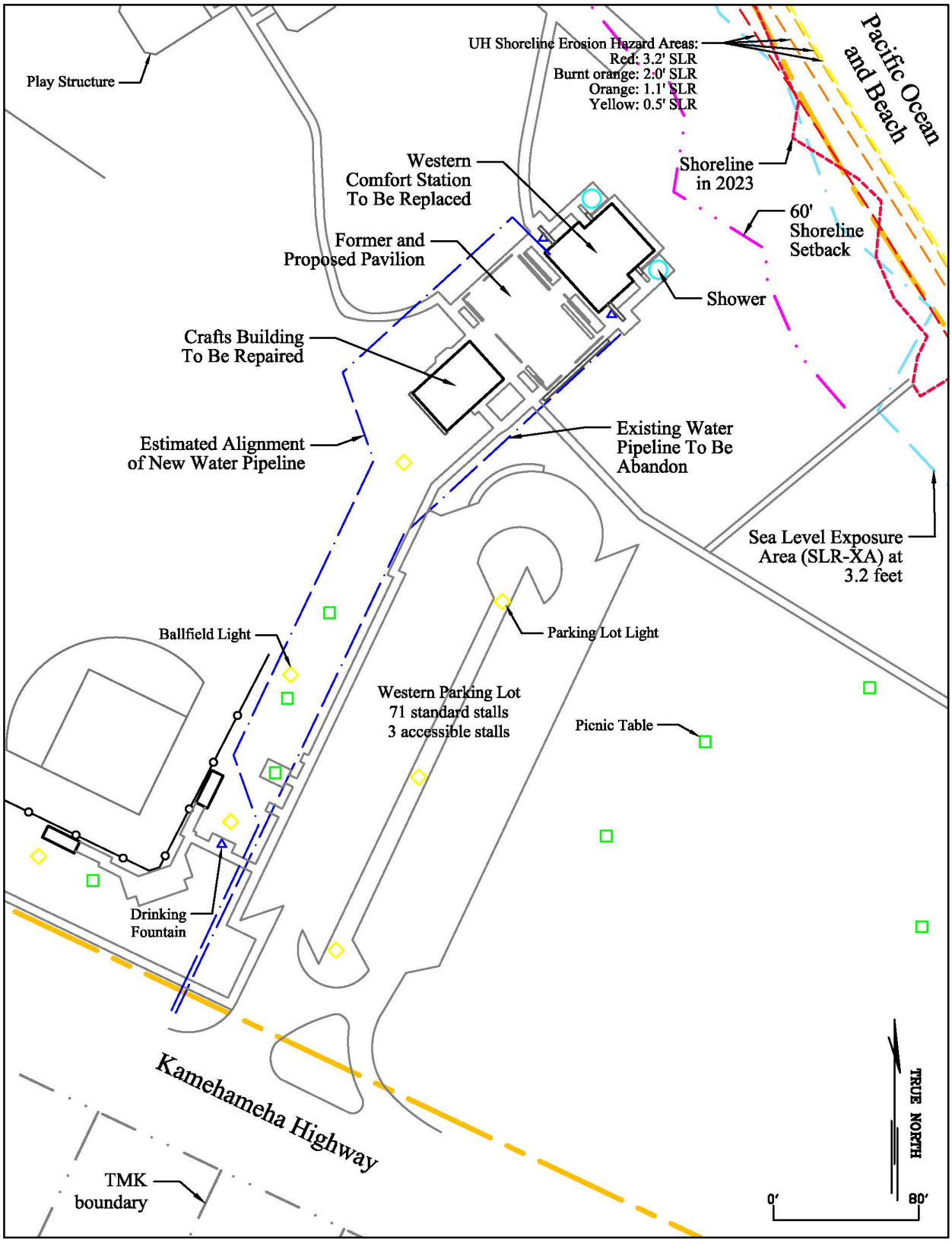
MAY 23, 2023 FIELD BOOK NO. 751: PG 1-27

24 x 36

Certified Shoreline Survey for Western Portion

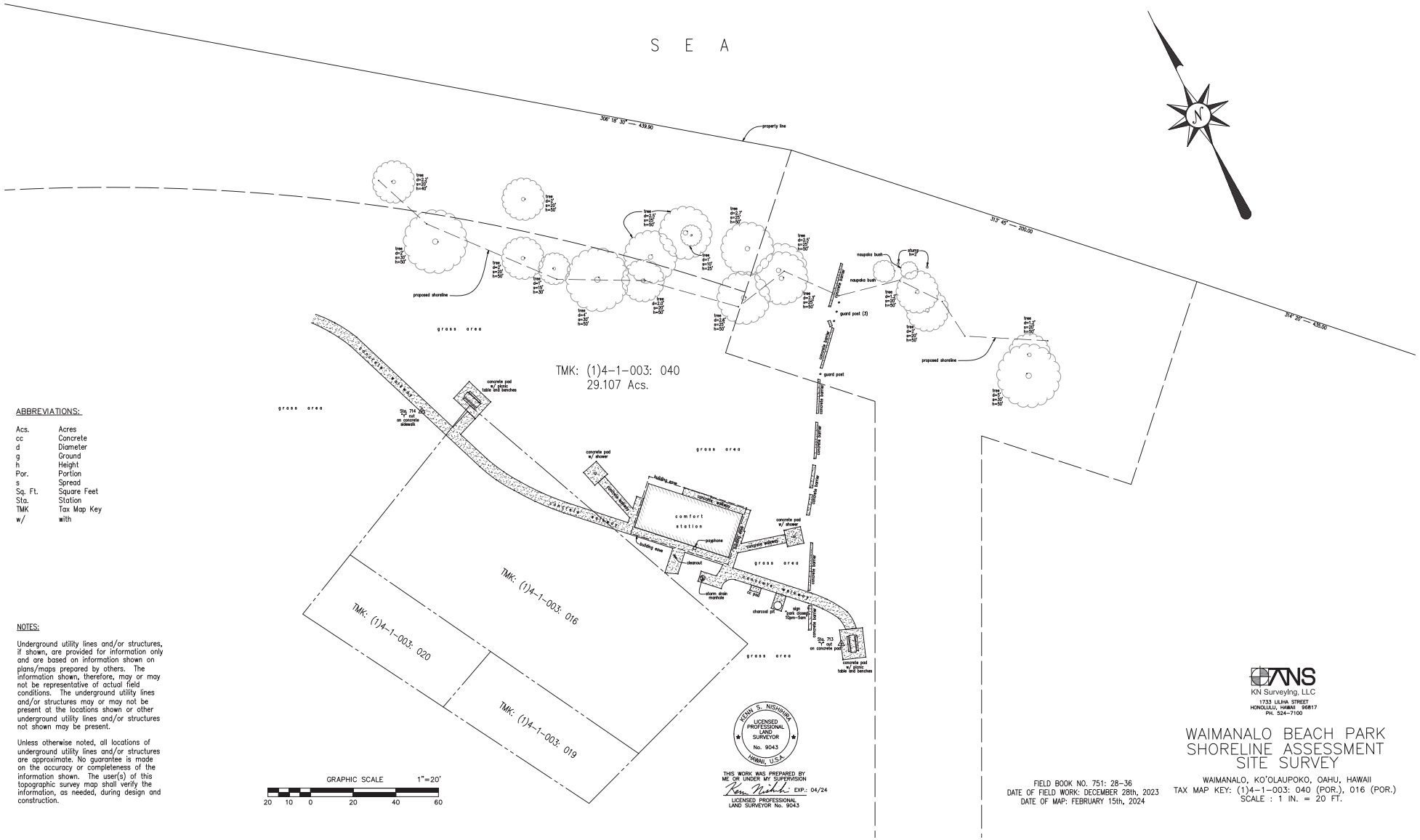
EXHIBIT F-2

Figure 2-5: Western Area Site Plan



Source: PSI, CCH, and PacIOOS.

EXHIBIT F-3



ABBREVIATIONS:

Acs.	Acres
cc	Concrete
d	Diameter
g	Ground
h	Height
Por.	Portion
s	Spread
Sq. Ft.	Square Feet
Sta.	Station
TMK	Tax Map Key
w/	with

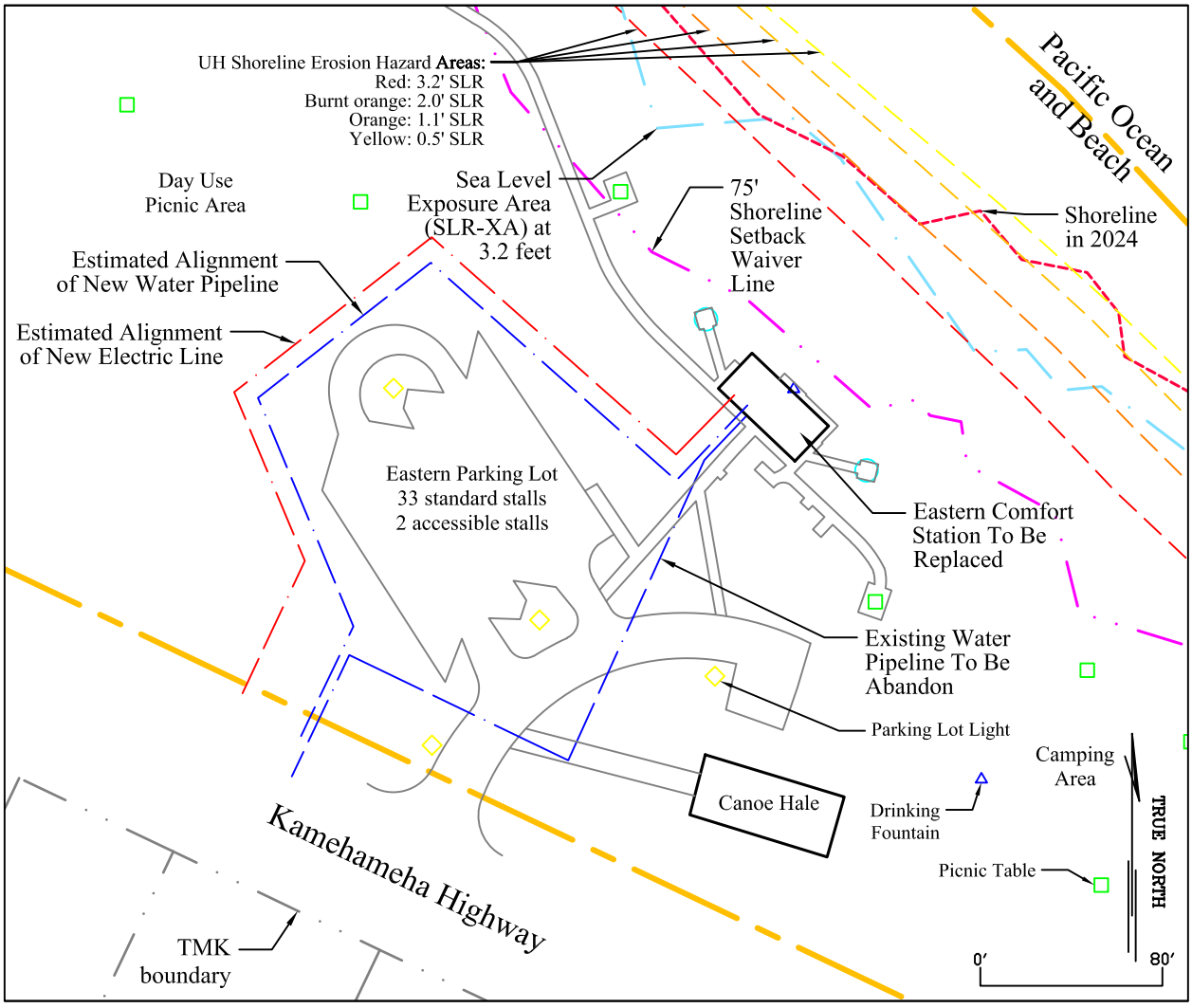
NOTES:

Underground utility lines and/or structures, if shown, are provided for information only and are based on information shown on plans/maps prepared by others. The information shown, therefore, may or may not be representative of actual field conditions. The underground utility lines and/or structures may or may not be present at the locations shown or other underground utility lines and/or structures not shown may be present.

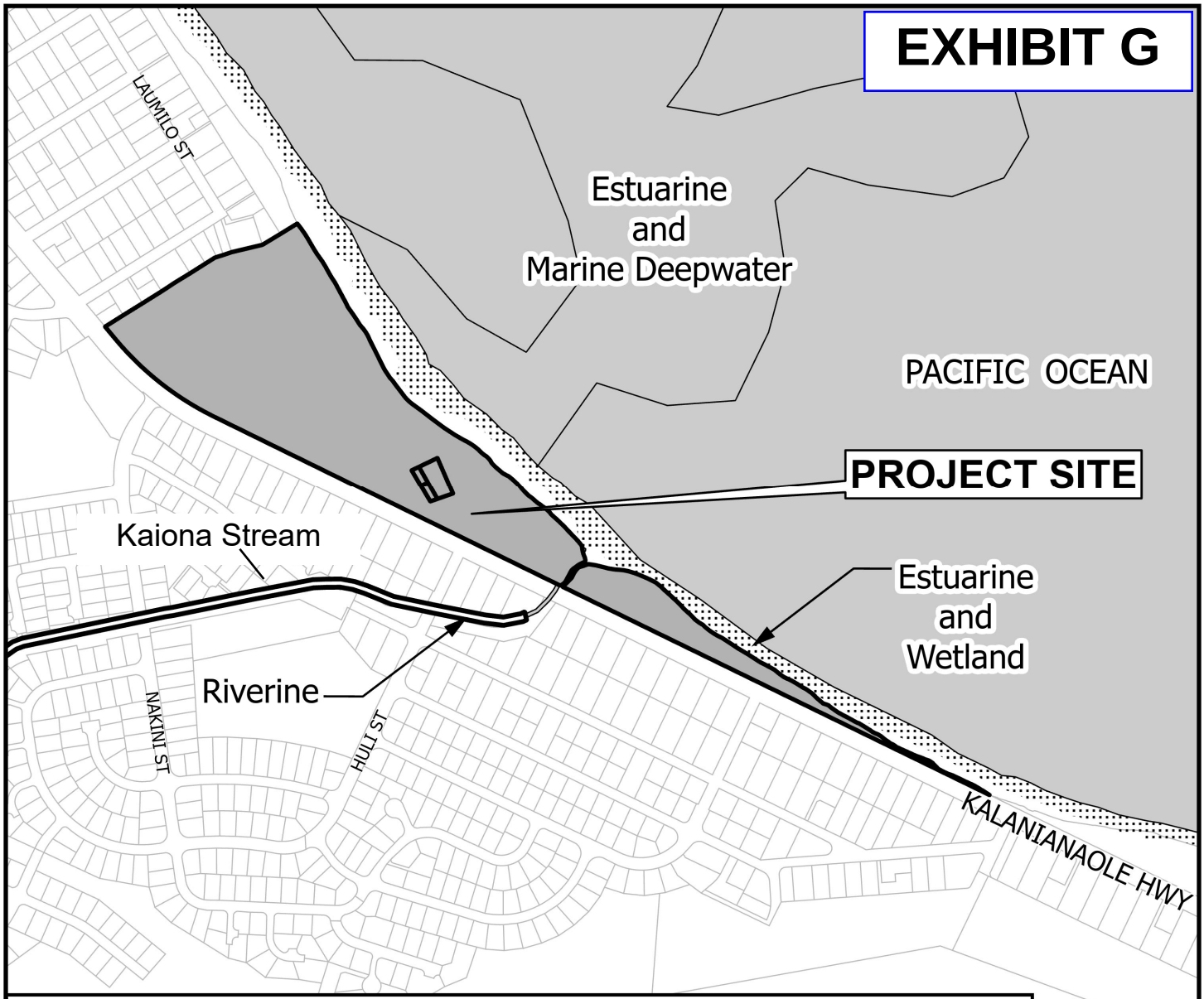
Unless otherwise noted, all locations of underground utility lines and/or structures are approximate. No guarantee is made on the accuracy or completeness of the information shown. The user(s) of this topographic survey map shall verify the information, as needed, during design and construction.

Shoreline Survey for Eastern Portion

EXHIBIT F-4



Eastern Comfort Station Area
Waimanalo Beach Park



Legend

- Project Site
- Tax Parcel

WETLAND TYPE

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Riverine

CITY AND COUNTY OF HONOLULU · STATE OF HAWAII

0 500 1,000 Feet



VICINITY MAP

PORTION OF

WETLANDS MAP

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

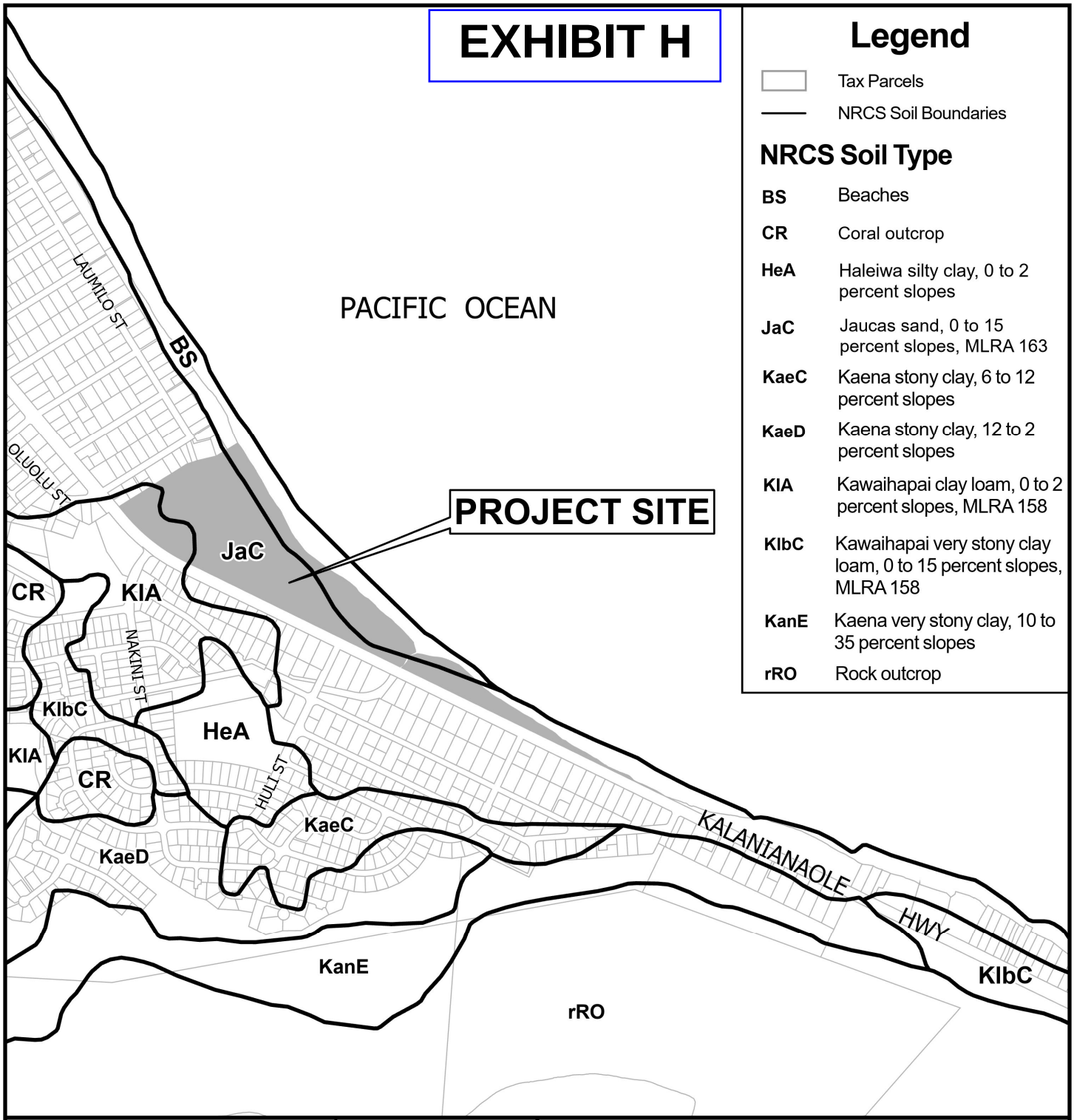
FOLDER NO.: 2024/SMA-72

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Date Prepared: 07/2024

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EXHIBIT H



Legend

- Tax Parcels
- NRCS Soil Boundaries

NRCS Soil Type

BS	Beaches
CR	Coral outcrop
HeA	Haleiwa silty clay, 0 to 2 percent slopes
JaC	Jaucas sand, 0 to 15 percent slopes, MLRA 163
KaeC	Kaena stony clay, 6 to 12 percent slopes
KaeD	Kaena stony clay, 12 to 2 percent slopes
KlA	Kawaihapai clay loam, 0 to 2 percent slopes, MLRA 158
KlbC	Kawaihapai very stony clay loam, 0 to 15 percent slopes, MLRA 158
KanE	Kaena very stony clay, 10 to 35 percent slopes
rRO	Rock outcrop

CITY AND COUNTY OF HONOLULU · STATE OF HAWAII

0 500 1,000 Feet



VICINITY MAP

PORTION OF

SOIL MAP

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

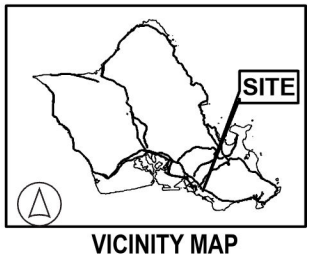
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VICINITY MAP

0 125 250 500

Scale in Feet

EXHIBIT I

Coastal Erosion and Sea Level Rise Exposure Area (3.2 feet)

41-741 Kalaniana‘ole Highway - Waimānalo

TAX MAP KEYS: 4-1-003: 016, 019, 020, and 040

FOLDER NO.: 2024/SMA-72

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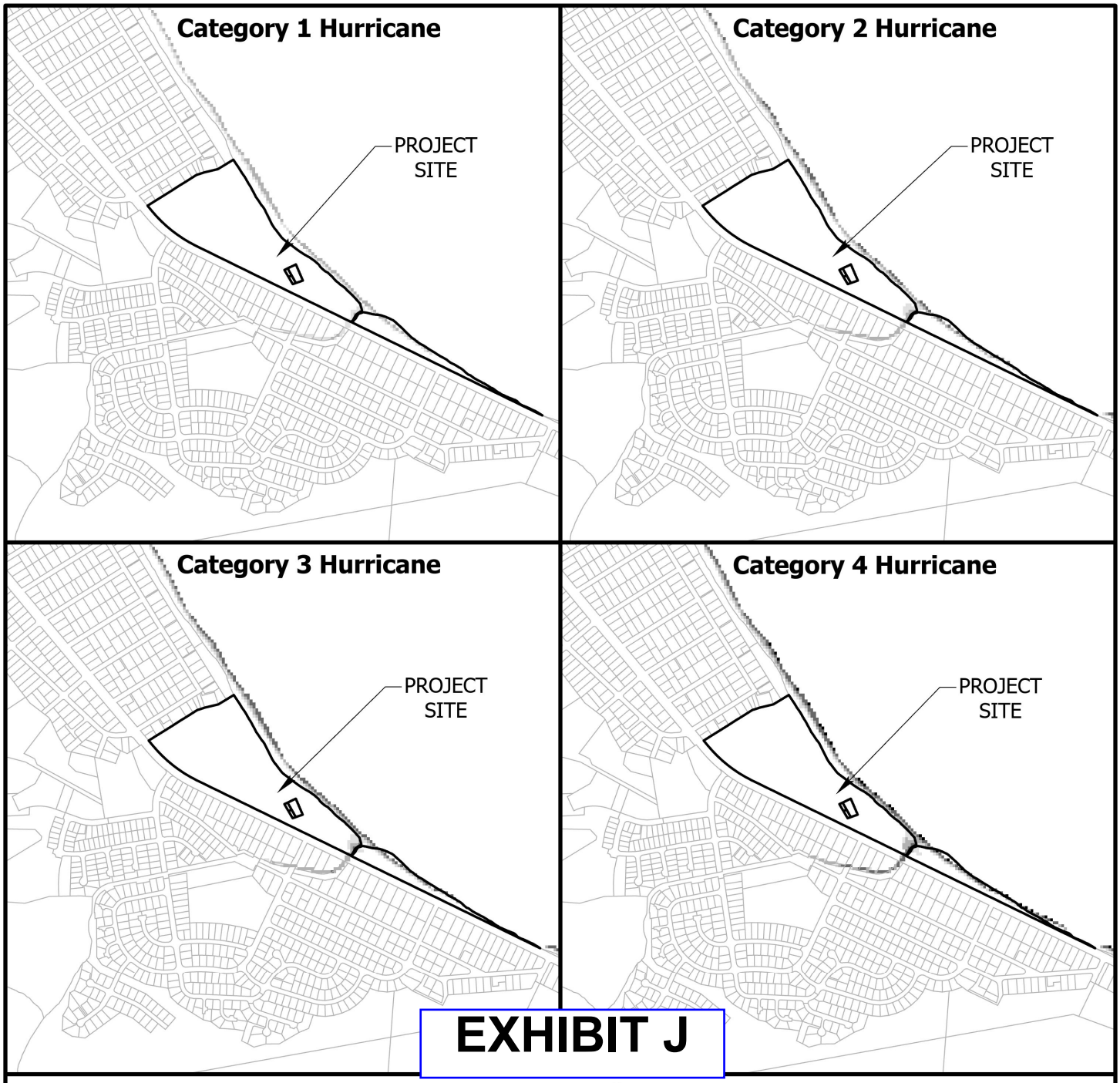


EXHIBIT J

Legend

Less than 3 feet above ground

Greater than 3 feet above ground

Greater than 6 feet above ground

Greater than 9 feet above ground

CITY AND COUNTY OF HONOLULU
STATE OF HAWAII

0 1,000 2,000 Feet



VICINITY MAP

PORTION OF

STORM SURGE MAP

Waimanalo Beach Park

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(S): 4-1-003:016,
4-1-003:019, 4-1-003:020, 4-1-003:040

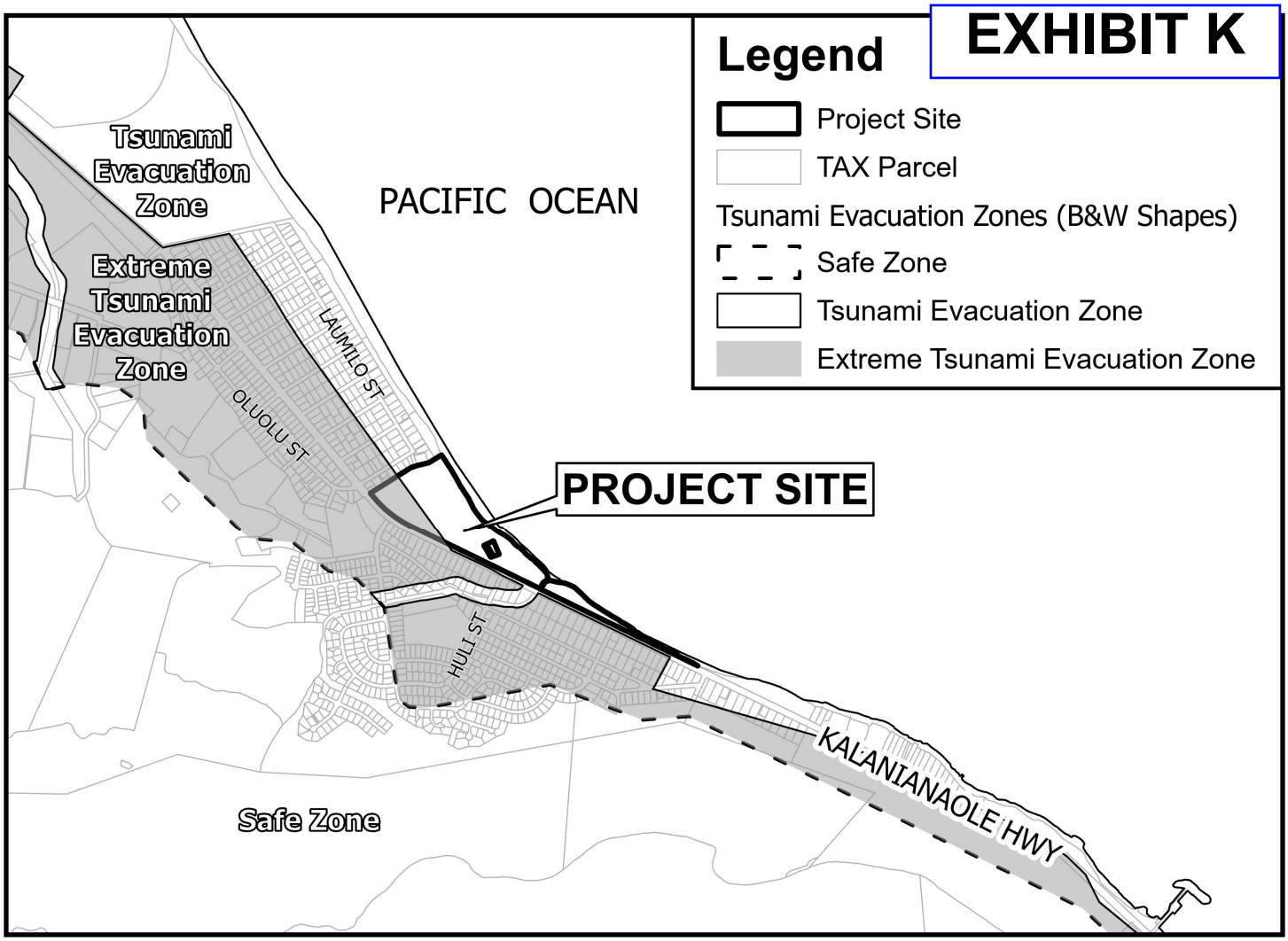
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EXHIBIT K

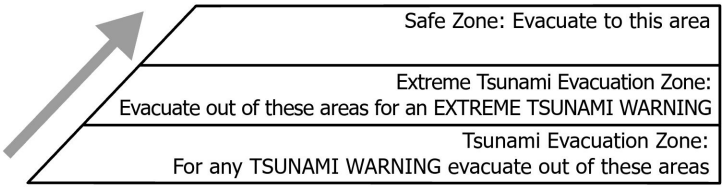


- For most Tsunami Warnings, evacuate out of the Tsunami Evacuation Zone; in the unlikely case of an Extreme Tsunami Warning, evacuate out of the Extreme Tsunami Evacuation Zone
- Remain at least 100 feet away from inland waterways and marinas connected to the ocean due to wave surges and possible flooding
- 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
- The evacuation zone is a guideline and should be considered t minimum safe evacuation distance

- 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

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



CITY AND COUNTY OF HONOLULU · STATE OF HAWAII

0 1,000 2,000
Feet



VICINITY MAP

PORTION OF

TSUNAMI EVACUATION MAP

Waimanalo Beach Park

TAX MAP KEY(S): 4-1-003:016, 4-1-003:019, 4-1-003:020, 4-1-003:040

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