HONOLULU CITY COUNCIL

KE KANIHELA O KE KALANA O HONOLULU

CITY AND COUNTY OF HONOLULU

No. 25-144

RESOLUTION

GRANTING A SPECIAL MANAGEMENT AREA MAJOR PERMIT TO ALLOW FOR THE CONSTRUCTION OF A NEW SINGLE-FAMILY DWELLING WITH A SWIMMING POOL IN LĀ'IE, O'AHU.

WHEREAS, on January 24, 2025, the Department of Planning and Permitting ("DPP") accepted the application (File Number 2025/SMA-2) from 55-133 LLC (the "Applicant") for a Special Management Area ("SMA") Major Permit to allow the construction of a new two-story single-family dwelling and swimming pool, on an approximately 77,198 -square ("-sq.") -foot ("-ft.") shoreline lot in the R-5 Residential District, located at 55-133 Kamehameha Highway, and identified as Tax Map Key 5-5-001: 014 (the "Project"); and

WHEREAS, on March 14, 2025, the DPP held a public hearing on the application at the Frank F. Fasi Municipal Building, Sixth Floor Conference Room, which other than the Applicant, the Applicant's agent, and DPP staff members, no member of the public attended; prior to hearing, one member of the public offered written testimony; and

WHEREAS, on May 6, 2025, within 50 working 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 Statues ("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 05/09/2025, by Departmental Communication No. 344, 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 that an SMA Major Permit be issued to the Applicant for the Project, subject to the following conditions:

A. Except as required by these conditions of approval 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, B, C-1 through C-18, D-1, D-2, and E through K attached hereto and incorporated herein by this reference. 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 new application for an SMA Major 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 may be considered a minor modification and may be permitted under this resolution upon review and approval by the Director of the DPP.

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

1. Prior to commencing any ground disturbing or construction activity for the Project, the Applicant shall submit to the DPP, a copy of the written determination from the State Historic Preservation Division ("SHPD") confirming that the Final Archaeological Inventory Survey has been accepted. The Applicant shall implement the mitigation protocols identified in the Archaeological Inventory Survey that are approved or otherwise required by the SHPD for all historic properties and cultural resources (including iwi kūpuna) discovered on the Project site;

2. The Applicant shall consult with SHPD to implement all mitigation protocols approved or otherwise required by SHPD for all historic and cultural resources (including iwi kūpuna) discovered on the Project site; 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 the 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.

C. To minimize and address 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 must not exceed a color temperature of 3,000 degrees kelvin;

2. Artificial light from exterior light 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 must be fully shielded, using full cutoff fixtures, with the light directed downward so that the light bulb is only visible from below the light fixture;

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

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

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

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.

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

D. To minimize the potential for adverse impacts related to coastal hazards, including but not limited to sea level rise ("SLR"), coastal erosion, flooding, wave action, and storm surge, the landowner hereby acknowledges the following declarations which must be clearly stated under "Landowner Acknowledgments" on all building permit plans:

RESOLUTION

1. *"The landowner hereby acknowledges that Tax Map Key 5-5-001: 014 is susceptible to coastal hazards, which may result in harm to or loss of life and property."*

2. *"The landowner hereby acknowledges (and any successor owner or interested party is hereby notified) that Tax Map Key 5-5-001: 014 may be adversely impacted by coastal hazards. The landowner agrees to assume all risk and liability for any harm to or loss of life and property due to development in close proximity to the shoreline. The landowner further agrees to accept all responsibility for the cost and physical removal of materials and structures lost or damaged as a result of coastal hazards, including the cleanup and restoration of the Project site."*

E. To ensure the landowner is aware that bed and breakfast homes and transient vacation units are not allowed on the Project site, the landowner hereby acknowledges the following declarations which must be clearly stated on all "Landowner Acknowledgements" on all Project building permit plans:

"The landowner hereby acknowledges (and any successor owner or interested party is hereby notified of) that bed and breakfast homes and transient vacation units, as those terms are defined in Revised Ordinances of Honolulu Chapter 21, the Land Use Ordinance, are not allowed on Tax Map Key 5-5-001: 014."

F. To account for the potential shift of land from the State Land Use Urban District to the State Land Use Conservation District due to anticipated coastal erosion, the landowner hereby acknowledges the following declarations which must be clearly stated under "Landowner Acknowledgements" on all Project building permit plans:

"In choosing to implement construction activities at Tax Map Key 5-5-001: 014, the Landowner hereby acknowledges (and any successor owner or interested party is hereby notified of) 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 the 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 landowner shall hold harmless

and indemnify the City for any responsibility that may result from adverse impacts associated with sea level rise and coastal erosion."

G. Following approval of this SMA Major Permit, neither the current landowner, nor any successor owner or interested party, may claim hardship due to erosion, SLR, or any other coastal hazard, in order to obtain approval for a Shoreline Setback Variance for a new shoreline protection structure. The landowner hereby acknowledges the following declarations which must be clearly stated under "Landowner Acknowledgements" on all Project building permit plans:

> "*In choosing to undertake the development at Tax Map Key 5-5-001: 014, the landowner hereby acknowledges (and any successor owner or interested party is hereby notified of) that no claim of hardship due to erosion, SLR, or any other coastal hazard may be asserted in order to obtain approval for a Shoreline Setback Variance for a shoreline protection structure.*"

H. To preserve underlying beach sands and coastal dunes, all landscaped areas, landscaping, and irrigation must be contained and maintained within the property boundaries of the shoreline lot of origin.

1. Landscaping may not be planted, watered, or maintained so that it acts as a shoreline hardening barrier, such as by planting naupaka, particularly if the landscaping alters or interferes with the natural beach processes;

2. Landscaping may not extend seaward of the shoreline as depicted in the current Certified Shoreline Survey ("CSS") for the shoreline lot, or in the event there is no current CSS for the lot, seaward of the shoreline as defined in HRS Chapter 205A;

3. Landscaping may not extend into any adjoining beach access right-of-way, public or private;

4. Landscaping in the dune or shoreline area between the dwelling and the shoreline must be limited to vegetation that is naturally hardy or endemic to the dune or shoreline area; and

5. The Project's irrigation system must be designed so that water does not traverse seaward of the shoreline as depicted in the current CSS for the

shoreline lot, or in the event there is no current CSS for the lot, seaward of the shoreline as defined in HRS Chapter 205A.

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

I. The Applicant must obtain a development permit for the Project within 36 months after the effective date of this SMA Major Permit. Failure to obtain a construction permit or building permit within this period will render this SMA Major Permit null and void; provided that this period may be extended as follows:

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

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

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

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

   b. The Applicant's then-existing deadline for obtaining a development permit,

   the extension will be deemed to be denied.

J. Approval of this SMA Major Permit does not constitute compliance with other City ordinances, including but not limited to the Land Use Ordinance ("LUO") and building and construction codes, or other governmental requirements, including but not limited to LUO, building, grading, and grubbing permit approvals. They are subject to separate review and approval. The Applicant shall be responsible for ensuring that the final plans for the Project approved under this SMA Major Permit comply with all applicable City ordinances and other governmental provisions and requirements.

HONOLULU CITY COUNCIL

KE KANIHELA O KE KALANA O HONOLULU

CITY AND COUNTY OF HONOLULU

No. 25-144

RESOLUTION

BE IT FINALLY RESOLVED by the Council of the City and County of Honolulu that copies of this Resolution be transmitted to Jason Rennaker, 55-133 LLC, 55-133 Kamehameha Highway, Lā'ie, Hawai'i, 96762; Mark Howland, WHALE Environmental Services LLC, P.O. BOX 455, Kahuku, Hawai'i, 96731; Dawn Takeuchi Apuna, Director of Planning and Permitting, 650 South King Street, 7th Floor, Honolulu, Hawai'i 96813; and Mary Alice Evans, Director of the Office of Planning and Sustainable Development, Attention: Coastal Zone Management Branch, P.O. Box 2359, Honolulu, Hawai'i 96804-2359.

INTRODUCED BY:

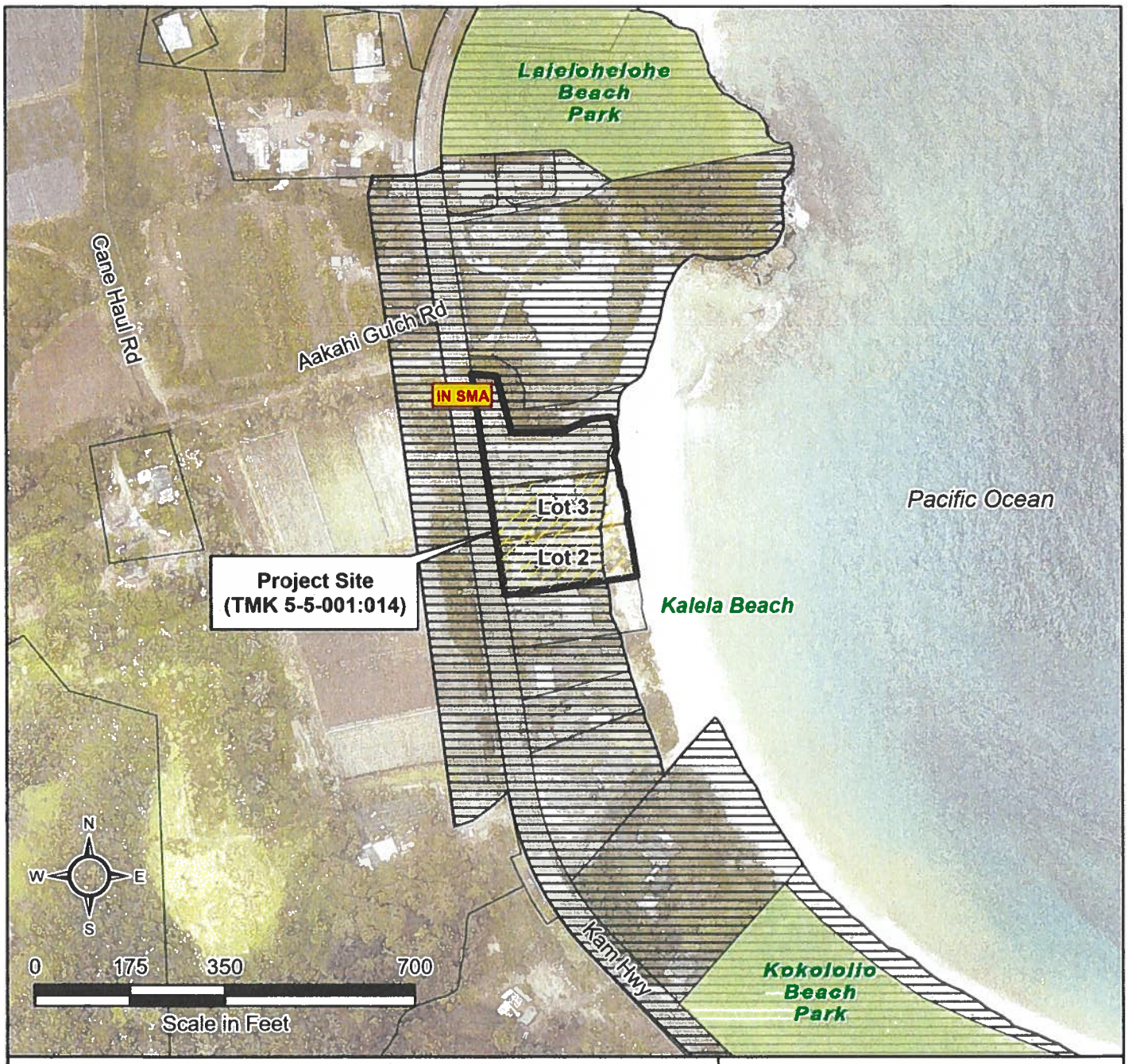
Tony Watton (br)

DATE OF INTRODUCTION:

MAY 13 2025

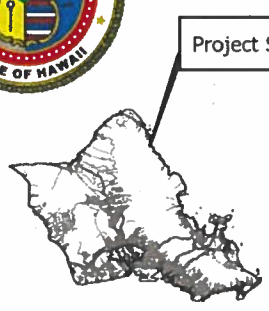
Honolulu, Hawai'i

Councilmembers



Legend

- Project Site
- Project TAX Parcel
- TAX Parcel
- Regulatory Parcel
- City Park
- Within SMA
- Outside SMA



VICINITY MAP

Note: Data represented on this map is not intended to replace site survey.

EXHIBIT A

Location Map

FILE NO.: 2025/SMA-2

PROJECT: Rennaker Residence

LOCATION: 55-133 Kamehameha Highway - Lā'ie

TAX MAP KEY: 5-5-001: 014 (Lots 2 and 3)

Prepared by: Department of Planning and Permitting Date: April 7, 2025

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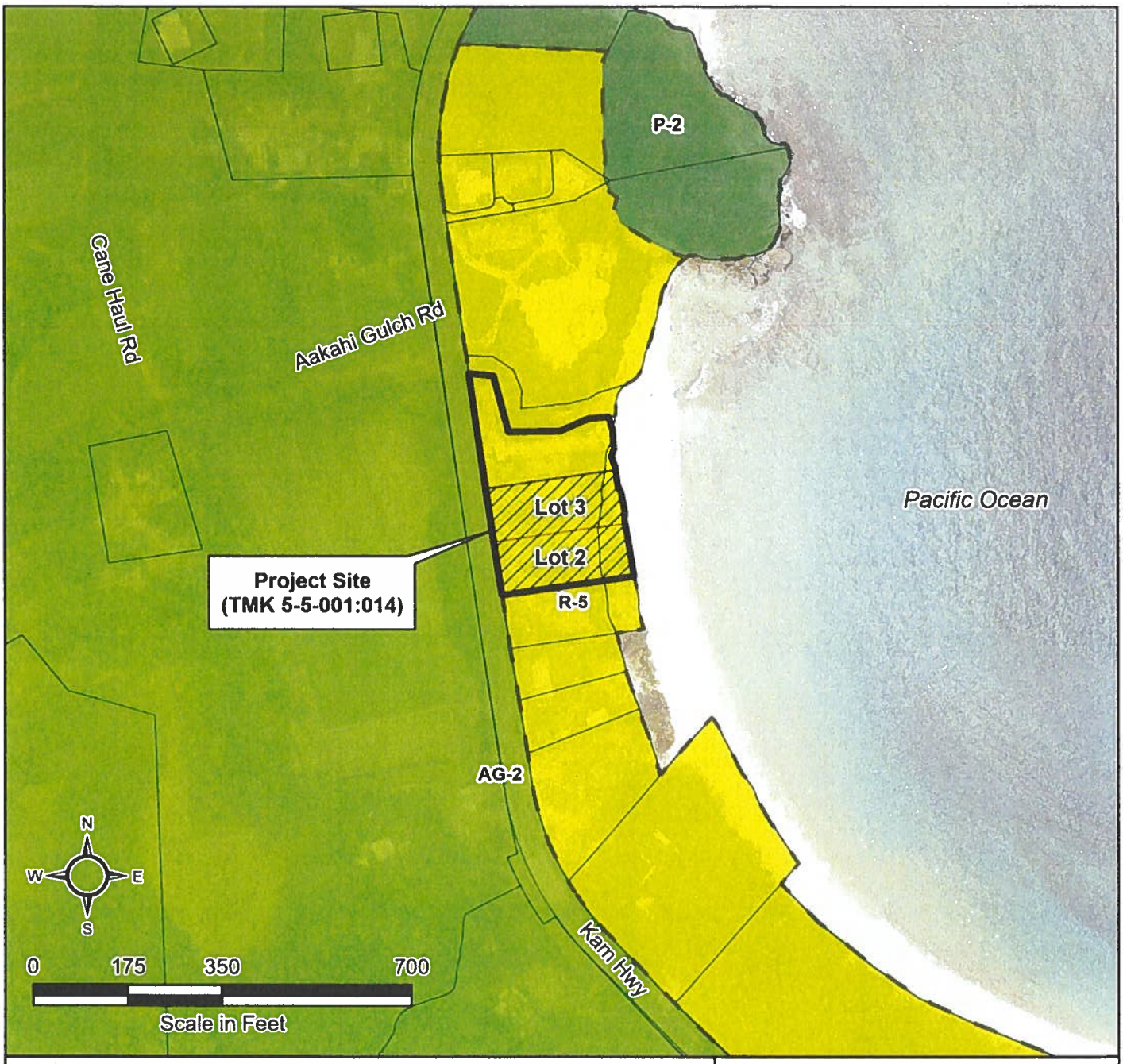

CITY AND COUNTY OF HONOLULU
STATE OF HAWAII

Project Site

VICINITY MAP

Legend

- Project Site
- Project TAX Parcel
- TAX Parcel
- Regulatory Parcel

Zoning District

- AG-2
- P-2
- R-5
- Zoning Boundary

Note: Data represented on this map is not intended to replace site survey.

EXHIBIT B

Zoning Map

FILE NO.: 2025/SMA-2

PROJECT: Rennaker Residence

LOCATION: 55-133 Kamehameha Highway - Lā'ie

TAX MAP KEY: 5-5-001: 014 (Lots 2 and 3)

Prepared by: Department of Planning and Permitting Date: April 7, 2025

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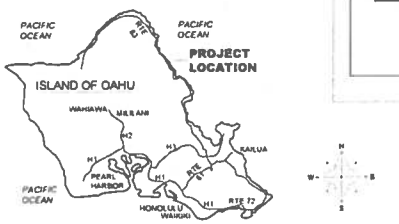
RENNAKER RESIDENCE

55-133 KAMEHAMEHA HWY, LAIE, HAWAII 96762

TMK: 5-5-001:014:0001

EXHIBIT C-1



HOMEWORKS CONSTRUCTION INC
211 S Beretania Street
Honolulu, Hawaii 96826
Telephone: (808) 955-2777
Facsimile: (808) 955-2778

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY APPROVED JOBSITE CONTRACT DOCUMENTS, EXISTING GRADES, LUO ENVELOPE CONFORMANCES AND SITE DIMENSIONS PRIOR TO COMMENCING WORK. CONTRACTOR TO NOTIFY ARCHITECT OF CONFLICTS PRIOR TO COMMENCING WORK. DEVIATIONS OR ENCROACHMENTS SHALL BE CORRECTED AND RESUBMITTED TO THE ARCHITECT & THE CITY & COUNTY (C&C) OF HONOLULU DEPARTMENT OF PLANNING & PERMITTING (DPP). CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTIONS & REPAIRS REQUIRED DUE TO HIS/HER FAILURE TO DO SO
2. DO NOT SCALE DRAWINGS
3. BUILDING SHALL COMPLY WITH CODES, RULES & REGULATIONS OF THE CITY & COUNTY OF HONOLULU & THE STATE OF HAWAII
4. CONTRACTOR SHALL VERIFY THE SITE & INFORMATION INCLUDING DISTANCE, LOT DIMENSION AND EXACT PROPERTY LINES TO ACCURATELY LOCATE THE PROPOSED PROJECT WITHIN THE MINIMUM REQUIRED SETBACK AREA
5. CONTRACTOR SHALL PROTECT ADJOINING LAND, BUILDING & OTHER IMPROVEMENTS SITUATED THEREON. DAMAGE OCCURRED SHALL BE REPAIRED AT NO COST TO THE OWNER, THE ARCHITECT OR THE ENGINEER.
6. ANY CONDITIONS, MATERIALS, DEVICES OR DETAILS NOT SPECIFICALLY SHOWN ON THE DRAWINGS OR SPECIFIED SHALL BE CLARIFIED WITH THE ARCHITECT OR ENGINEER BEFORE BIDDING, CONSTRUCTION, INSTALLATION AND COMPLETION.
7. ARCHITECT AND/OR ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR METHODS, PROCEDURES OR CONDITIONS ON JOBSITE THAT MAY DEVELOP
8. THE DRAWINGS INTEND TO SHOW FINISHED CONCEPT ONLY. CHANGES TO THE DRAWINGS MAY BE REQUIRED DUE TO UNFORESEEN CONDITIONS
9. ANY STRUCTURAL CHANGES BY THE CONTRACTOR SHALL BE APPROVED BY THE ARCHITECT OR ENGINEER.
10. GROUND TO BE CHEMICALLY TREATED FOR TERMITES PER SECTION R318 OF THE 2012 INTERNATIONAL RESIDENTIAL CODE (IRC)
11. CONTRACTOR TO PROVIDE ADEQUATE BRACING & SHORING FOR ALL STRUCTURAL MEMBERS DURING ALL PHASES OF CONSTRUCTION
12. CONTRACTOR TO PROVIDE ALL NECESSARY FLASHING, CAULKING & WATERPROOFING, ETC. TO ENSURE A WEATHERTIGHT FINISH AS PER STANDARD PRACTICE.
13. CONFLICTS, SUBSTITUTIONS OR QUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT
14. PAINT NEW INTERIOR & EXTERIOR SURFACES (COLOR TO BE SELECTED BY OWNER) UNLESS OTHERWISE AGREED UPON BETWEEN OWNER & CONTRACTOR. IF SURFACES ARE TYPICALLY PAINTED SUCH AS STAINLESS STEEL OR LEAD REFER TO DRAWINGS.
15. SMOKE DETECTORS PER SECTION R314 OF THE 2012 IRC
16. CARBON MONOXIDE ALARMS PER SECTION R315 OF THE 2012 IRC
17. MAXIMUM 1" DROP AT ALL EXIT DOORS
18. SOLELY AS A CONVENIENCE TO THE OWNER AND CONTRACTOR, THE ARCHITECT MAY INCLUDE DOCUMENTS PREPARED BY CERTAIN CONSULTANTS (OR INCORPORATE RECOMMENDATIONS OF SAID CONSULTANTS INTO DOCUMENTS PREPARED BY CERTAIN CONSULTANTS OR INCORPORATE RECOMMENDATIONS OF SAID CONSULTANTS INTO DOCUMENTS PREPARED BY THE ARCHITECT WITHIN THE SET OF DOCUMENTS ISSUED BY THE ARCHITECT). IT IS EXPRESSLY UNDERSTOOD THAT SUCH ISSUANCE ASSUMES NO LIABILITY FOR SERVICES OF SAID CONSULTANTS.
19. WHEN SCOPE OF WORK EXCEEDS THESE DOCUMENTS, CONTRACTOR SHALL SUBMIT PLANS TO THE THE DEPARTMENT OF PLANNING & PERMITTING FOR APPROVAL PRIOR TO STARTING WORK IF ADDITIONAL WORK AFFECTS APPROVED PERMIT.
20. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE & COMPLY WITH SAFETY REGULATIONS AND RESTRICTIONS AS REQUIRED FOR WORKERS AND PEDESTRIAN PROTECTION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. PROVIDE PROTECTION AS REQUIRED TO PREVENT ANY DAMAGE TO EXISTING CONSTRUCTION WITHIN AND ADJACENT TO JOB SITE. WHERE DAMAGE OCCURS, THE CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED AREA AND/OR MATERIAL AS REQUIRED TO THE OWNER'S APPROVAL AT NO ADDITIONAL COST. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS
21. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, UTILITIES, OTHER SERVICES AND RELATED NECESSARY FOR PROPER EXECUTION OF THE CONSTRUCTION REQUIRED BY CONTRACT DOCUMENTS.
22. ANY REVISION OR ADDITIONAL WORK REQUIRED BY FIELD CONDITIONS OR LOCAL GOVERNING AUTHORITIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING
23. WHERE DETAILS ARE NOT SHOWN, CAREFULLY STUDY EXISTING CONDITIONS BEFORE REMOVAL OF WORK TO PROVIDE REPAIRS TO MATCH EXISTING
24. TONE AREA FOR UNDERGROUND UTILITIES PRIOR TO EXCAVATION
25. ALL WORK DAMAGED IN PERFORMANCE OF NEW WORK SHALL BE REPAIRED. PATCH ALL DAMAGE TO EXISTING SURFACES RESULTING FROM THIS WORK. FINISH TO MATCH EXISTING ADJACENT SURFACE.
26. ALL HANDRAILS TO BE 34" - 38" IN HEIGHT AND INSTALLED PER THE 2008 INTERNATIONAL RESIDENTIAL CODE (IRC)
27. EXHAUST FANS IN BATHROOMS SHALL PROVIDE A MINIMUM OF 5 AIR CHANGES IN 1 HOUR
28. LOCATE WC TANKS 1" FROM GYP BD WALLS

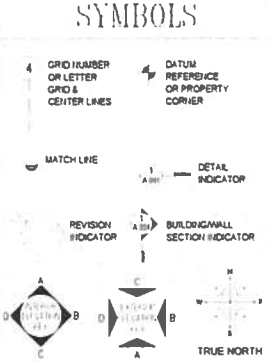
SPECIAL INSPECTION NOTES

1. SPECIAL INSPECTION PROVISIONS OF 2012 INTERNATIONAL RESIDENTIAL CODE (AS AMENDED BY THE CITY & COUNTY OF HONOLULU) GOVERN PORTIONS OF STRUCTURAL WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS
2. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR OWNER TO NOTIFY THE SPECIAL INSPECTOR OF ALL ITEMS REQUIRING SPECIAL INSPECTION A MINIMUM OF 48 HOURS IN ADVANCE
3. SPECIAL INSPECTIONS DO NOT RELIEVE THE GENERAL CONTRACTOR OF HIS RESPONSIBILITIES TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS & TO BE RESPONSIBLE FOR SAFETY ON THE JOBSITE
4. OWNER OR GENERAL CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR OR ENGINEER 2 DAYS (48 HOURS) PRIOR TO POURING CONCRETE & CLOSING WALLS FOR IF WALLS ARE CLOSED IN BEFORE AN INSPECTION IS MADE, YOU MAY BE ASKED BY THE BUILDING INSPECTOR OR THE ENGINEER TO RE-OPEN THE WALLS AT YOUR EXPENSE

- [ ] 1 CONCRETE
- [ ] 2 BOLTS INSTALLED IN CONCRETE
- [ ] 3 SPECIAL MOMENT RESISTING CONCRETE FRAME
- [ ] 4 REINFORCING STEEL & PRESTRESSING STEEL TENDONS
- [ ] 5 STRUCTURAL WELDING
- [ ] 6 HIGH STRENGTH BOLTING
- [ ] 7 STRUCTURAL MASONRY
- [ ] 8 REINFORCING GYPSUM CONCRETE
- [ ] 9 INSULATING CONCRETE FILL
- [ ] 10 SPRAY APPLIED FIREPROOFING
- [ ] 11 PILING, DRILLED PIERS & CAISSONS
- [ ] 12 SHOTCRETE
- [ ] 13 SPECIAL GRADING, EXCAVATION & FILLING
- [ ] 14 FIRE PROTECTION SYSTEM
- [ ] 15 SPECIAL CASES (SPECIFY)_____
- [ ] 16 SHEATHED SHEAR WALLS & DIAPHRAGMS
- [ ] 17 COMPLETE LOAD PATH & UPLIFT TIES
- [ ] 18 TERMITE PROTECTION

NOTE: PROVIDE AS-BUILT FLOOD ACKNOWLEDGEMENT & REQUIRED FLOOD CERTIFICATES @ PROJECT CLOSE

SYMBOLS



BUILDING ENERGY

PERMIT CONDITION CLAUSE:
ALL NEW CONSTRUCTION SHALL COMPLY WITH THE CITY & COUNTY OF HONOLULU ORDINANCE 20-10

A R404 2 SOLAR CONDUIT & ELEC PANEL READINESS
RESIDENTIAL BUILDINGS SHALL INCLUDE THE FOLLOWING
LOCATION FOR THE INVERTERS, METERING EQUIPMENT, ENERGY STORAGE EQUIPMENT & ASSOCIATED EQUIPMENT
PATHWAY FOR ROUTING CONDUIT FROM THE SOLAR PANEL LOCATION TO THE POINT OF INTERCONNECTION W/ ELECTRICAL SERVICE
THE ELECTRICAL PANEL FOR THE NEW SFD MUST BE ADEQUATELY SIZED TO ACCOMMODATE NOT LESS THAN A 5 KW (AC) PHOTOVOLTAIC SYSTEM
INSTALL 1 5"Ø CONDUIT TO PROVIDE PATHWAY FROM ELECTRICAL PANEL TO INVERTER LOCATION FOR FUTURE SOLAR EQUIPMENT
INSTALL 1 5"Ø CONDUIT TO PROVIDE PATHWAY FROM FUTURE INVERTER LOCATION TO UNDERSIDE OF THE ROOF SUFFICIENT TO ALLOW FUTURE INSTALLATION OF SOLAR EQUIPMENT
B R404 3 ELECTRICAL VEHICLE READINESS
IN EACH ENCLOSED GARAGE, A DEDICATED RECEPTACLE TO SUPPORT A MINIMUM LEVEL 2 ELECTRICAL VEHICLE CHARGER (208/240 VAC, SINGLE PHASE, 16A MIN / CONTINUOUS)

CITY & COUNTY OF HONOLULU
REVISED ORDINANCE CHAPTER 32
HONOLULU COUNTY CODE 1990, AS AMENDED

TO THE BEST OF MY KNOWLEDGE THIS PROJECT'S DESIGN SUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY CONSERVATION CODE FOR

X BUILDING COMPONENT SYSTEMS
ELECTRICAL COMPONENT SYSTEMS
MECHANICAL COMPONENT SYSTEMS

SIGNATURE _____ DATE 4/12/2021
NAME MICHELE L DAWCO
TITLE ARCHITECT
LICENCE NO AR-8795

BWS NOTES

NEW PLUMBING FIXTURES SHALL MEET THE BOARD OF WATER SUPPLY'S LOW FLOW REQUIREMENTS

THIS WATER METER WILL NOT HAVE AN IRRIGATION SYSTEM AND AN AFS

LICENSE NOTES

GENERAL CONTRACTOR TO HOLD SPECIALTY LICENSE FOR WORK PERFORMED OR HIRE LICENSED SPECIALTY CONTRACTOR TO PERFORM THE WORK.
PLUMBING & ELECTRICAL WORK SHALL BE PERFORMED BY A STATE LICENSED PLUMBER & ELECTRICIAN

SOLAR NOTES

NEW 200 AMP SERVICE - MM2020-0040
(1) 4 X 10 SOLAR PANEL, 80 GALLON SOLAR TANK (HOMEOWNER SUPPLIED AND INSTALLED)

SCOPE OF WORK

A DEMOLITION OF EXISTING ONE-STORY SINGLE FAMILY DWELLING
B CONSTRUCTION OF NEW TWO-STORY SINGLE FAMILY DWELLING
C CONSTRUCT NEW POOL
D AIR CONDITIONING

OPENING PROTECTION

WIND BORNE DEBRIS- PROTECTION OF OPENINGS

R301 2 1 2 PROTECTION OF WINDOW OPENINGS IN BUILDINGS LOCATED IN WINDBORNE DEBRIS REGIONS MUST HAVE GLAZED OPENINGS PROTECTED FROM WINDBORNE DEBRIS GLAZED OPENING PROTECTION FOR WINDBORNE DEBRIS SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996 AND OF ASTM E 1886 REFERENCED THEREIN.

EXCEPTION
1. WOOD STRUCTURAL PANELS WITH A MINIMUM THICKNESS OF 7/16 INCH (11.1 MM) AND A MAXIMUM SPAN OF 8 FEET (2438 MM) SHALL BE PERMITTED FOR OPENING PROTECTION IN ONE AND TWO STORY BUILDINGS CLASSIFIED AS GROUP R3 OR R4 OCCUPANCY. PANELS SHALL BE PRECUT SO THAT THEY ARE ATTACHED TO THE FRAMING SURROUNDING THE OPENING CONTAINING THE PRODUCT WITH THE GLAZED OPENING. PANELS MUST BE PRE-DRILLED AS REQUIRED FOR THE ANCHORAGE METHOD AND WILL BE SECURED WITH THE ATTACHMENT HARDWARE PROVIDED AND ANCHORS PERMANENTLY INSTALLED ON THE BUILDING. ATTACHMENT IN ACCORDANCE WITH TABLE R301 2 1.2 WITH CORROSION-RESISTANT ATTACHMENT HARDWARE PROVIDED AND ANCHORS PERMANENTLY INSTALLED ON THE BUILDING IS PERMITTED FOR BUILDINGS WITH A MEAN ROOF HEIGHT OF 33 FEET (10,058 MM) OR LESS, WHERE EFFECTIVE ULTIMATE DESIGN WIND SPEEDS Vult-ult DO NOT EXCEED 175 MPH (78M/S)

2. GLAZING IN ACCESSORY STRUCTURES TO THE SINGLE FAMILY DWELLINGS INCLUDING BUT NOT LIMITED TO GREENHOUSES AND MINOR STORAGE SHEDS

3. PARTIALLY ENCLOSED OCCUPANCY R-3 BUILDINGS ARE PERMITTED TO BE DESIGNED WITHOUT WIND-BORNE DEBRIS PROTECTION. PARTIALLY ENCLOSED AND OPEN OCCUPANCY R3 BUILDINGS MUST ALSO INCLUDE A RESIDENTIAL SAFE ROOM IN ACCORDANCE WITH ROH CHAPTER 16, ARTICLE 13

FIRE SAFETY NOTES

1 ONE SET OF APROVED PLANS, SPECIFICATIONS, AND COMPUTATIONS SHALL BE RETAINED BY THE BUILDING OFFICIAL FOR A PERIOD OF NOT LESS THAN 90 DAYS FROM DATE OF COMPLETION OF THE WORK COVERED THEREIN, AND ONE SET OF APPROVED PLANS SHALL BE RETURNED TO THE APPLICANT, AND SAID SET SHALL BE KEPT ON THE SITE OF THE BUILDING OR WORK AT ALL TIMS DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS. (SEC. 18-5.2 R.O. 1078 (1983 ED); AM. ORD 93-58)

2. FIRE SAFETY NOTE. 16.1.1 STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND THIS CHAPTER. 2012 NFPA 1

DRAWING INDEX

001	TITLE SHEET
002	EROSION SOIL CONTROL PLAN
003	STORM WATER MANAGEMENT PLAN
A100	OVERALL SITE PLAN- DEMOLITION PLAN
A101	OVERALL SITE PLAN - REVISED
A102	SITE PLAN
A200	FIRST FLOOR PLAN
A201	SECOND FLOOR PLAN
A202	ROOF PLAN
A300	EXTERIOR ELEVATIONS
A301	EXTERIOR ELEVATIONS
A400	BUILDING SECTION
A500	INTERIOR ELEVATIONS
A600	DOOR & WINDOW SCHEDULES
A700	DETAILS
E100	FIRST FLOOR ELECTRICAL PLAN
E200	SECOND FLOOR ELECTRICAL PLAN
F000	FOUNDATION WALL PLAN
F001	ARCH FOUNDATION PLAN
F002	ARCH FRAMING PLAN
F003	ARCH ROOF FRAMING PLAN
P001	POOL PLAN
P002	POOL SECTION & DEETAILS
S001	STRUCTURAL NOTES
S100	FOUNDATION PLAN
S101	FLOOR FRAMING PLANS
S102	ROOF FRAMING PLAN
S300	DETAILS
S301	DETAILS
S302	DETAILS
S303	DETAILS

PROJECT DATA

LOT 4 (2015 SUP 2) MS)	
TMK	5-5-001 014 : 001
TOTAL LOT AREA FOR LOTS 2, 3 & 4 =	77 198 SQ FT
TOTAL LOT AREA FOR LOT 1 =	24 434 SQ FT
FLOOD ZONE	AE
ZONING	R-5
CONSTRUCTION TYPE	WOOD CONSTRUCTION
OCCUPANCY	GROUP R-3 SINGLE DWELLING

CODES & REGULATIONS:

2012 INTERNATIONAL RESIDENTIAL CODE (IRC) W/ AMENDMENTS
HAWAII REVISED STATUTES
2021 LAND USE ORDINANCES (LUO) W/ REVISED ORDINANCES

LOT COVERAGE CALCULATIONS:

SEE SHEET A100 FOR LOT COVERAGE CALCULATION

OFF-STREET PARKING CALCS

SEE SHEET A100 FOR OFF-STREET PARKING REQUIREMENT CALCULATION

LUO DATA TABLE

ZONING DISTRICT R-5 LOT AREA 24 434 SF
MAXIMUM BUILDING AREA ALLOWED 12 217 SF
PROPOSED BLDG AREA = 3902 SF (16%) < 12 217 (50%)
FAR CALCULATION (70 X LOT AREA) + 17 103 9 SF
PROPOSED LIVING AREA = 6208 SF (25%)< 17 103 8 SF (70%)

FLOOR AREA	SF AREA
LOWER FLOOR	2931 SF
UPPER FLOOR	3276 SF
	6208 SF
BUILDING AREA	
LOWER FLOOR	3782 SF
POOL UTILITY	120 SF
	3902 SF

PARKING STALLS	REQUIRED	PROVIDED
DWELLING 1	6	6

RENNAKER RESIDENCE
55-133 KAMEHAMEHA HWY, LAIE, HAWAII 96762
TMK: 5-5-001: 014:0001

TITLE SHEET

preliminary approved XX/XX/XX1
permit application 5/21/21
permit approved

REVISION	NO
6/4/2021 DPP	1
9/30/2021 DPP	2
11/10/2021 DPP	3
10/15/2022 OWNER	4
	5
	6

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Date
Drawing No

001

1 of 17 Sheets

STANDARD EROSION PREVENTION, SEDIMENT CONTROL & GOOD HOUSEKEEPING BMP NOTES:

1. NOTIFY THE DPP WITHIN 2 WEEKS PRIOR TO STARTING WORK. ATTACH A PROJECT SCHEDULE TO THIS ESCP INCLUDING DATES WHEN BMPS WILL BE INSTALLED, WHEN LAND-DISTURBING ACTIVITIES WILL BEGIN AND END, AND DATES WHEN BMPS WILL BE REMOVED

2. PROVIDE SEDIMENT FENCES OR BARRIERS AROUND THE PERIMETER OF ALL DISTURBED AREAS IF THERE IS THE POTENTIAL FOR RUNOFF TO FLOW OFF THE PROJECT SITE, AND AROUND THE BASE OF ALL MATERIAL STOCKPILES. THESE MAY INCLUDE GRAVEL BAGS, SAND BAGS, FIBER ROLLS, SILT FENCES OR COMPOST SOCKS THAT INTERCEPT RUNOFF.

3. PROVIDE INLET PROTECTION OVER STORM DRAINS WITHIN 50 FEET OF THE PROJECT SITE UNLESS THOSE INLETS DRAIN TO A SEDIMENT BASIN OR TRAP.

4. REGULARLY INSPECT AND MAINTAIN REQUIRED EROSION AND SEDIMENT CONTROLS TO ENSURE CONTINUED PERFORMANCE.

5. MINIMIZE THE STORAGE OF HAZARDOUS MATERIALS ONSITE, STORE MATERIALS IN A DESIGNATED AREA, AND INSTALL SECONDARY CONTAINMENT. HAZARDOUS MATERIALS SHALL NOT BE STORED IN BUFFER AREAS OR CONCENTRATED FLOW AREAS OR AREAS ABUTTING MS4, RECEIVING WATERS OR DRAINAGE IMPROVEMENTS THAT DISCHARGE OFF SITE.

6. PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM HAZARDOUS WASTE THOUGH PROPER MATERIAL USE AND WASTE DISPOSAL.

7. LOCATE STOCKPILES AWAY FROM DRAINAGE WAYS OR OTHER AREAS OF CONCENTRATED FLOWS. USE BARRIER AROUND STOCKPILES AND COVER IF THEY WILL NOT BE ACTIVELY USED WITHIN 7 DAYS.

8. KEEP AMPLE SUPPLY OF CLEAN-UP MATERIALS ON PROJECT SITE. CLEAN UP SPILLS IMMEDIATELY, USING DRY CLEAN-UP METHODS WHERE POSSIBLE, AND DISPOSE OF USED MATERIALS PROPERLY.

9. PROVIDE DESIGNATED WASTE COLLECTION AREAS FOR SOLID WASTE OR CONSTRUCTION AND DEMOLITION WASTE. COLLECT TRASH DAILY AND DISPOSE AT AUTHORIZED DISPOSAL AREAS.

10. CONTAIN CONTAMINATED MATERIAL SOIL BY SURROUNDING WITH IMPERMEABLE LINES, BERMS OR COVER EXPOSED CONTAMINATED MATERIAL WITH PLASTIC SHEETS. CONTAMINATED SOIL SHALL BE DISPOSED OF PROPERLY IN ACCORDANCE WITH APPLICABLE REGULATIONS.

11. CONDUCT WASH-OUT OFF SITE OR PERFORM ONSITE IN DESIGNATED AREA, AWAY FROM WATER BODIES, CHANNELS, OR STORM DRAINS. CONSTRUCT AND MAINTAIN WASHOUT TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED.

12. TEMPORARY AND PORTABLE SANITARY AND SEPTIC WASTE SYSTEMS SHALL BE MOUNTED OR STAKED IN, WELL MAINTAINED AND HAVE REGULAR WASTE DISPOSAL AND SERVICING SCHEDULES.

13. CONTAIN LIQUID WASTES IN A HOLDING PIT, SEDIMENT BASIN, ROLL-OFF BIN, OR PORTABLE TANK OF SUFFICIENT VOLUME AND TO CONTAIN THE LIQUID WASTES GENERATED.

14. RESTRICT VEHICLE TRAFFIC TO PROPERLY DESIGNATED AREAS AND USE ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXITING THE PROJECT SITE.

15. CONTAIN ACCUMULATED NON-STORM WATER AND PRECIPITATION IN THE WORK AREA WITH SEDIMENT BASINS, SEDIMENT TRAPS, WEIR TANKS, DEWATERING TANKS, FILTRATION SYSTEMS, OR OTHER MANUFACTURED SYSTEMS. A PERMIT FROM THE DEPARTMENT OF HEALTH SHALL BE REQUIRED IF NON-STORM WATER IS DISCHARGED FROM THE SITE.

BEST MANAGEMENT PRACTICES NOTES:

A FILTER SOCKS & SILT FENCES SHALL BE INSTALLED SO THAT THEY PREVENT POLLUTANTS FROM FLOWING FROM THE WORK AREA.

B FILTER SOCKS SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING, AND SHALL BE LOCATED DOWN SLOPE OF ALL SLOPES BEING GRADED.

C FILTER SOCKS SHALL BE IMMEDIATELY REPAIRED WHEN DAMAGED DURING CONSTRUCTION.

D STOCKPILES: STOCKPILES SHALL NOT BE LOCATED IN DRAINAGE WAYS OR OTHER AREAS OF CONCENTRATED FLOWS. SEDIMENT TRAPPING DEVICES SUCH AS FENCES, TRAPS OR BARRIERS SHALL BE USED AROUND THE BASE OF THE STOCKPILES.

E DUST CONTROL: DUST CONTROL SHALL BE APPLIED TO REDUCE DUST EMISSIONS. THE CONTRACTOR AT HIS OWN EXPENSE SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES CHAPTER 11-60.1 "AIR POLLUTION CONTROL".

F SEDIMENT BARRIERS OR TRAPS. FILTER SOCKS AND SILT FENCES SHALL BE USED ON DOWN-SLOPE OF ALL DISTURBED AREAS AND AROUND THE BASE OF ALL MATERIAL STOCKPILES.

G GRASS SHALL BE ESTABLISHED ON ALL DISTURBED AREAS WHICH WILL NOT BE WORKED FOR LONGER THAN 14 DAYS. ALTERNATIVES TO GRASS INCLUDE EROSION BLANKETS WITH ANCHORS, AND 6 MIL PLASTIC SHEETS.

H PERMANENT STABILIZATION: ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED PRIOR TO REMOVING EROSION AND SEDIMENT MEASURES. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. TRAPPED SEDIMENT AND AREAS OF DISTURBED SOIL WHICH RESULT FROM REMOVAL OF THE TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED. ALL DISTURBED AREAS WILL BE PERMANENTLY STABILIZED WITH PAVEMENT, STRUCTURES OR GRASS, AS SHOWN ON THE SITE PLAN.

I CONTRACTOR SHALL REMOVE AND DISPOSE OF OFF SITE THE FILTER SOCKS AND SILT FENCES WHEN THE PROJECT IS COMPLETED AND GRASS IS ESTABLISHED.

RAIN RESPONSE PLAN:

THE FOLLOWING WILL BE PERFORMED WHEN HEAVY RAINS, TROPICAL STORM OR HURRICANE IS IMMINENT OR IS FORECASTED IN THE NEXT 48 HOURS.

A TEMPORARILY SUSPEND ACTIVE GRADING, GRUBBING & TRENCHING.
B INSPECT SEDIMENT BASINS/PERIMETER CONTROLS & INLET PROTECTION DEVICES AND MAINTAIN AS NEEDED. REINSTALL ANY PERIMETER CONTROLS THAT WERE REMOVED DUE TO ACTIVE WORK IN THE AREA. IF A SEVERE STORM IS EXPECTED, REMOVE INLET PROTECTION DEVICES TO PREVENT FLOODING OF SURROUNDING STREETS.
C COVER OR RELOCATE STOCK PILES AND LIQUID MATERIAL CONTAINERS TO AVOID CONTACT WITH RAIN WATER.
D RE-INSPECT AFTER THE APPROACHING HEAVY RAINS, TROPICAL STORM OR HURRICANE AND PLACE OR MAINTAIN BMP'S AS NEEDED.

PUBLIC HEALTH, SAFETY & CONVENIENCE NOTES

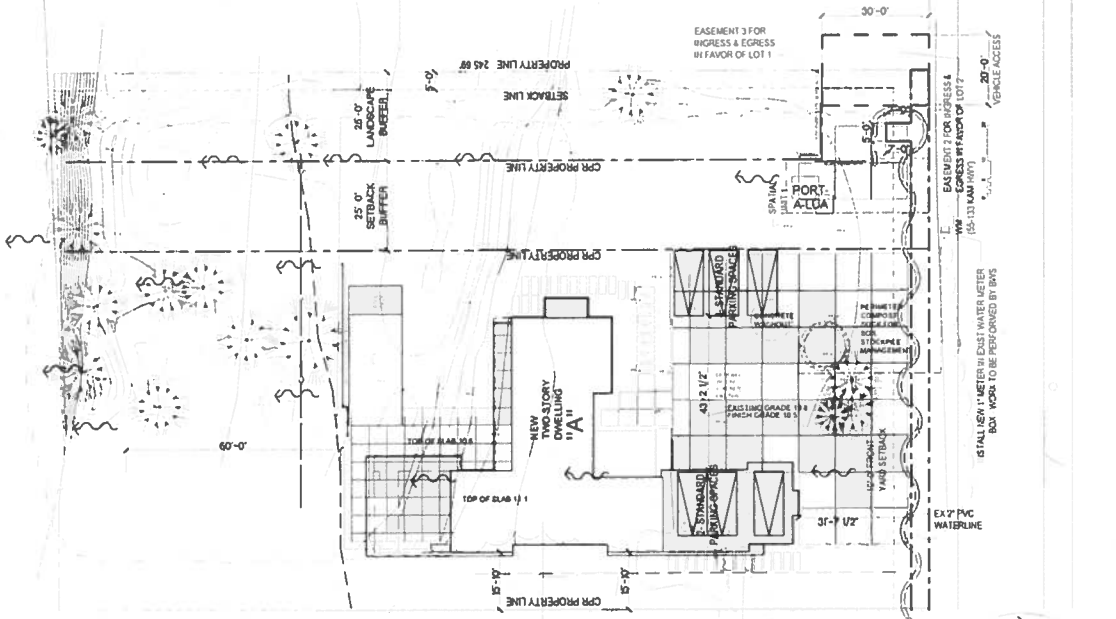
A THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH TEH FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF THE PUBLIC HEALTH AND SAFETY AND ENVIRONMENTAL QUALITY.
B THE CONTRACTOR AT HI OWN EXPENSE SHALL KEEP THE PROJECT AND ITS SURROUNDING AREAS FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HELATH
C NO CONTRACTOR SHALL PERFORM ANY CONSTRUCTION ACTIVITY SO AS TO CAUSE FALLING ROCK, SOIL OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW ONTO ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REMEDIAL ACTIONS NECESSARY.
D THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES AND OTHER PROTECTIVE FACILITIES AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE AND SAFETY OF THE PUBLIC. THE CONTRACTOR SHALL APPLY FOR A NOISE CONSTRUCTION PERMIT WITH A NOISE POLLUTION CONTROL PLAN.

NOTE:

OWNER OR CONTRACTOR TO HAVE AN ESCP COORDINATOR CERTIFICATE AND/OR HIRE SOMEONE IN THAT CAPACITY

OWNER OR CONTRACTOR TO PROVIDE ESCP REPORTS AS REQUIRED BY C&C OF HONOLULU

EXHIBIT C-2



1 002 EROSION CONTROL PLAN 1/16"=1'-0"

DISTURBED AREA

TOTAL DISTURBED AREA 8,400 SF

SCHEDULE

NOTIFY DPP OF START DATE	TWO WEEKS BEFORE START DATE
INSTALL PROTECTION SYSTEMS	1 DAY
CONSTRUCTION	12 MONTHS
REMOVE PROTECTION ACTIONS	1 DAY

MATERIAL

NO MATERIAL WILL BE STORED ON SITE
MATERIAL WILL BE DELIVERED TO SITE AS NEEDED

DUMPSTER

DUMPSTER WILL BE LOCATED UNDER A STREET USAGE PERMIT

LEGEND

- AREA OF WORK
- CATCH BASIN/INLET
- STORM DRAIN FLAT INLET
- WATER FLOW
- SILT FENCE
- VEGETATION
- FILTER-SOCK

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TMK 5-5-001: 014-0001

EROSION SOIL CONTROL PLAN

preliminary approved XX/XX/21
permit application 5/21/21
permit approved

REVISION	NO
6/4/2021 DPP	1
9/30/2021 DPP	2
11/10/2021 DPP	3
10/15/2022 OWNER	4
	5
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Date
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EXHIBIT C-3

RESIDENTIAL STORM WATER MANAGEMENT NOTES:

A. USE SITE DESIGN STRATEGIES TO REDUCE THE IMPERVIOUS SURFACE AREA TO THE MAXIMUM EXTENT PRACTICAL. THE TOTAL IMPERVIOUS SURFACE AREA FOR THE LOT MAY NOT EXCEED 75% PER LUO SECTION 21-3 70 1(G)

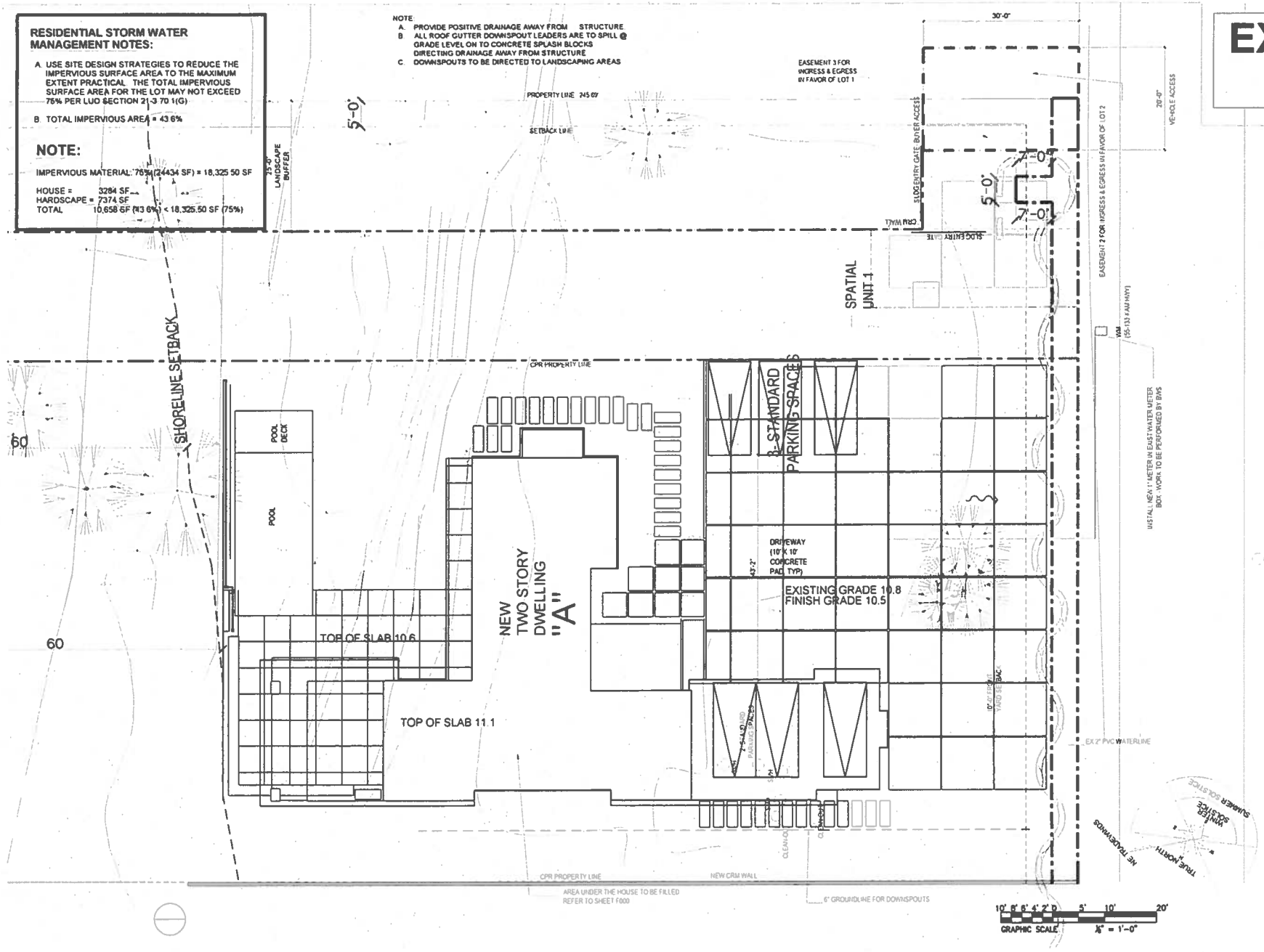
B. TOTAL IMPERVIOUS AREA = 43 6%

NOTE:

IMPERVIOUS MATERIAL: 75% (24434 SF) = 18,325 50 SF

HOUSE = 3284 SF
HARDSCAPE = 7374 SF
TOTAL 10,658 SF (43 6%) < 18,325.50 SF (75%)

NOTE
A. PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURE
B. ALL ROOF GUTTER DOWNSPOUT LEADERS ARE TO SPILL @ GRADE LEVEL ON TO CONCRETE SPLASH BLOCKS DIRECTING DRAINAGE AWAY FROM STRUCTURE
C. DOWNSPOUTS TO BE DIRECTED TO LANDSCAPING AREAS



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STORM WATER MANAGEMENT PLAN

preliminary approved XX/XX/21
permit application 5/21/21
permit approved

REVISION	NO
6/4/2021 DPP	1
9/30/2021 DPP	2
11/19/2021 DPP	3
10/15/2022 OWNER	4

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Date
Drawing No
003

2 of 17 Sheets

EXHIBIT C-4

LOT 2 & 3 - LOT COVERAGE CALCULATION

(2011/CUP-32 (MS) LOTS 2 & 3

DWELLING A & B	EXISTING BLDG A LOT 2	EXISTING BLDG B LOT 3
1ST FLOOR	2,244 SF	1,264 SF
1ST FLOOR LANAI		118 SF
1ST FLOOR ENTRY		37 SF
1ST FLOOR STORAGE (IN GARAGE)		56 SF
2ND FLOOR		1,249 SF
2ND FLOOR LANAI		145 SF
TOTAL FLOOR AREA (LIVING)	2,244 SF	2,869 SF
GARAGE		462 SF
TOTAL BLDG FOOTPRINT	2,244 SF	1,937 SF

TOTAL PROVIDED 4
TOTAL REQUIRED 4

LOT 4 DWELLING C- LOT COVERAGE CALCULATION

DWELLING C	EXIST BLDG C LOT 4
1ST FLOOR	1,277 SF
1ST FLOOR LANAI	118 SF
1ST FLOOR ENTRY	37 SF
1ST FLOOR STORAGE (IN GARAGE)	56 SF
2ND FLOOR	1,249 SF
2ND FLOOR LANAI	145 SF
TOTAL FLOOR AREA (LIVING)	2,886 SF
GARAGE	462 SF
TOTAL BLDG FOOTPRINT	1,939 SF

LOT 4 DWELLING C - OFF STREET PARKING CALCULATION

2 PARKING SPACES PER UNIT PLUS 1 SPACE PER 1,000 SQ FT OVER 2,500 SQ. FT (EXCLUDING GARAGE/CARPORT)

TOTAL PROVIDED 2
TOTAL REQUIRED 2

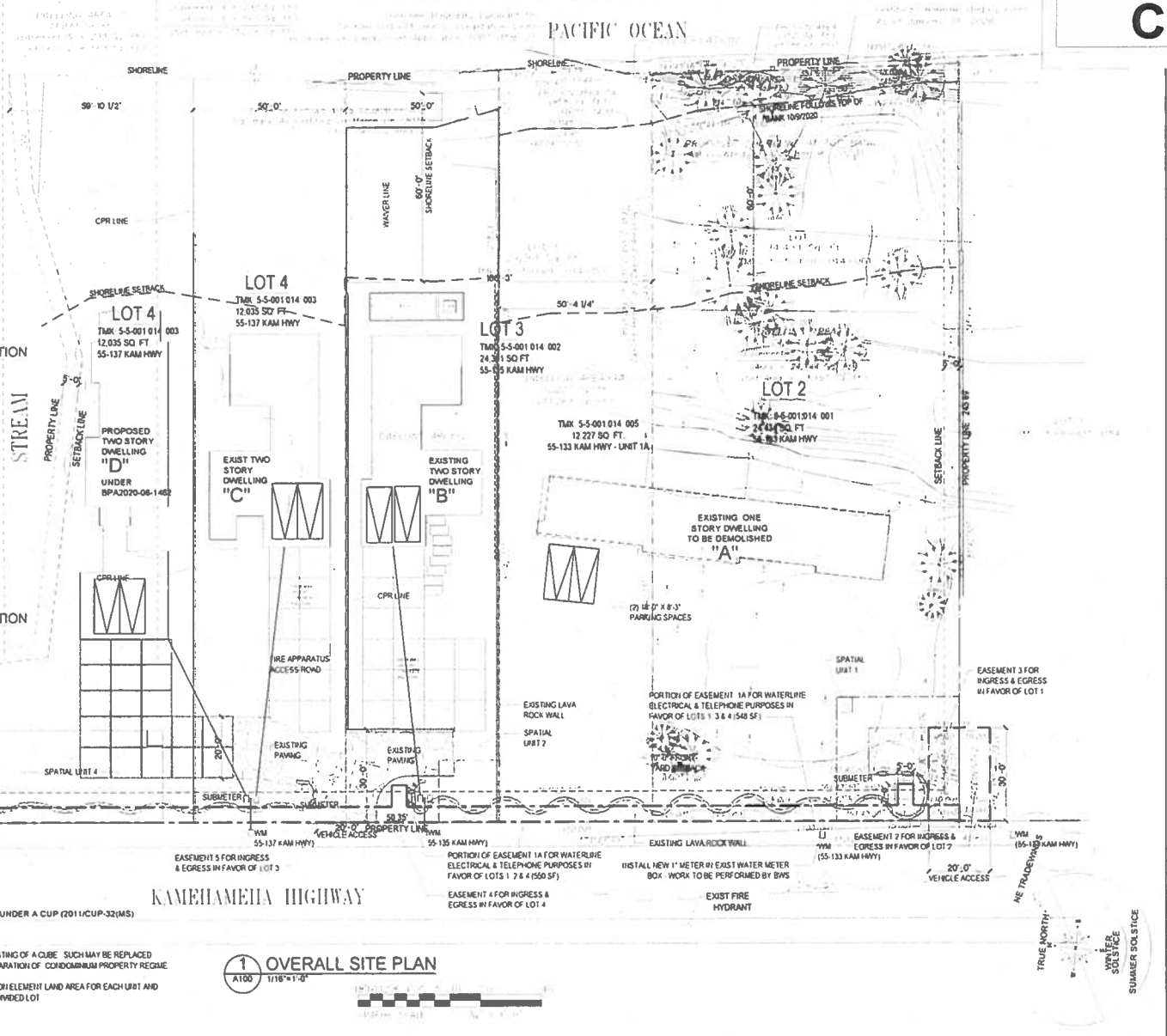
LOT 4 DWELLING D - LOT COVERAGE CALCULATION

BUILDING D	NEW BLDG D LOT 4
1ST FLOOR	1,250 SF
1ST FLOOR LANAI	512 SF
1ST FLOOR ENTRY	37 SF
1ST FLOOR STORAGE (IN GARAGE)	56 SF
2ND FLOOR	1,609 SF
2ND FLOOR LANAI	252 SF
TOTAL FLOOR AREA (LIVING)	3,623 SF
GARAGE	484 SF
TOTAL BLDG FOOTPRINT	2,448 SF

LOT 4 DWELLING D - OFF STREET PARKING CALCULATION

2 PARKING SPACES PER UNIT PLUS 1 SPACE PER 1,000 SQ FT OVER 2,500 SQ. FT (EXCLUDING GARAGE/CARPORT)

TOTAL PROVIDED: 2
TOTAL REQUIRED 2



EXIST FIRE HYDRANT

NOTES

1 LOTS 2, 3 & 4 ARE A CPR & LOTS 2 & 3 ARE UNDER A CUP (2011/CUP-32(MS))

2 STATE FLOOD ZONE AE ELEVATION 8.00 ON PLAN

3 AREA SPATIAL PORTIONS OF THE PROJECT CONSISTING OF A CUBE SUCH MAY BE REPLACED BY A STRUCTURE IN ACCORDANCE WITH THE DECLARATION OF CONDOMINIUM PROPERTY REGIME

4 THE "DASH LINES" DELINEATE THE LIMITED COMMON ELEMENT LAND AREA FOR EACH UNIT AND IS NOT INTENDED TO REPRESENT A LEGALLY SUBDIVIDED LOT

1 A100 OVERALL SITE PLAN
1/16"=1'-0"

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TMK: 5-5-001:014-2001

SITE AND DEMOLITION PLANS

preliminary approved XX/XX/21
permit application 5/21/21
permit approved

REVISION	NO
6/4/2021 DPP	1
9/30/2021 DPP	2
11/19/2021 DPP	3
10/15/2022 OWNER	4
	5
	6

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Date
Drawing No

A-100

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EXHIBIT C-5

LOT 2 LOT COVERAGE CALCULATION

DWELLING A	NEW BLDG A LOT 2
1ST FLOOR	2369 SF
1ST FLOOR LANAI	500 SF
POOL BATH	63 SF
2ND FLOOR	3277 SF
TOTAL FLOOR AREA	6209 SF
POOL UTILITY	120 SF
GARAGE	850 SF
TOTAL BLDG AREA	7,179 SF

BLDG FOOTPRINT (2369+500+63+850+120) = 3782 SF

TOTAL PARKING PROVIDED = 6
TOTAL PARKING REQUIRED = 6

LOT 3 - DWELLING B LOT COVERAGE CALCULATION

DWELLING B	EXISTING BLDG B LOT 3
1ST FLOOR	1,264 SF
1ST FLOOR LANAI	118 SF
1ST FLOOR ENTRY	37 SF
1ST FLOOR STORAGE (IN GARAGE)	56 SF
2ND FLOOR	1,249 SF
2ND FLOOR LANAI	145 SF
TOTAL FLOOR AREA	2,869 SF
GARAGE	462 SF
TOTAL BLDG AREA	3,331 SF

TOTAL BLDG FOOTPRINT (1264+118+37+56+462)=1,937 SF

TOTAL PARKING PROVIDED 2
TOTAL PARKING PREQUIRED 2

LOT 4 DWELLING C- LOT COVERAGE CALCULATION

DWELLING C

1ST FLOOR	1,277 SF
1ST FLOOR LANAI	118 SF
1ST FLOOR ENTRY	37 SF
1ST FLOOR STORAGE (IN GARAGE)	56 SF
2ND FLOOR	1,249 SF
2ND FLOOR LANAI	145 SF
TOTAL FLOOR AREA	2,886 SF
GARAGE	462 SF
TOTAL BLDG AREA	3,348 SF

TOTAL BLDG FOOTPRINT (1277+118+37+56+462)=1,939 SF

TOTAL PARKING PROVIDED 2
TOTAL PARKING REQUIRED 2

LOT 4 DWELLING D - LOT COVERAGE CALCULATION

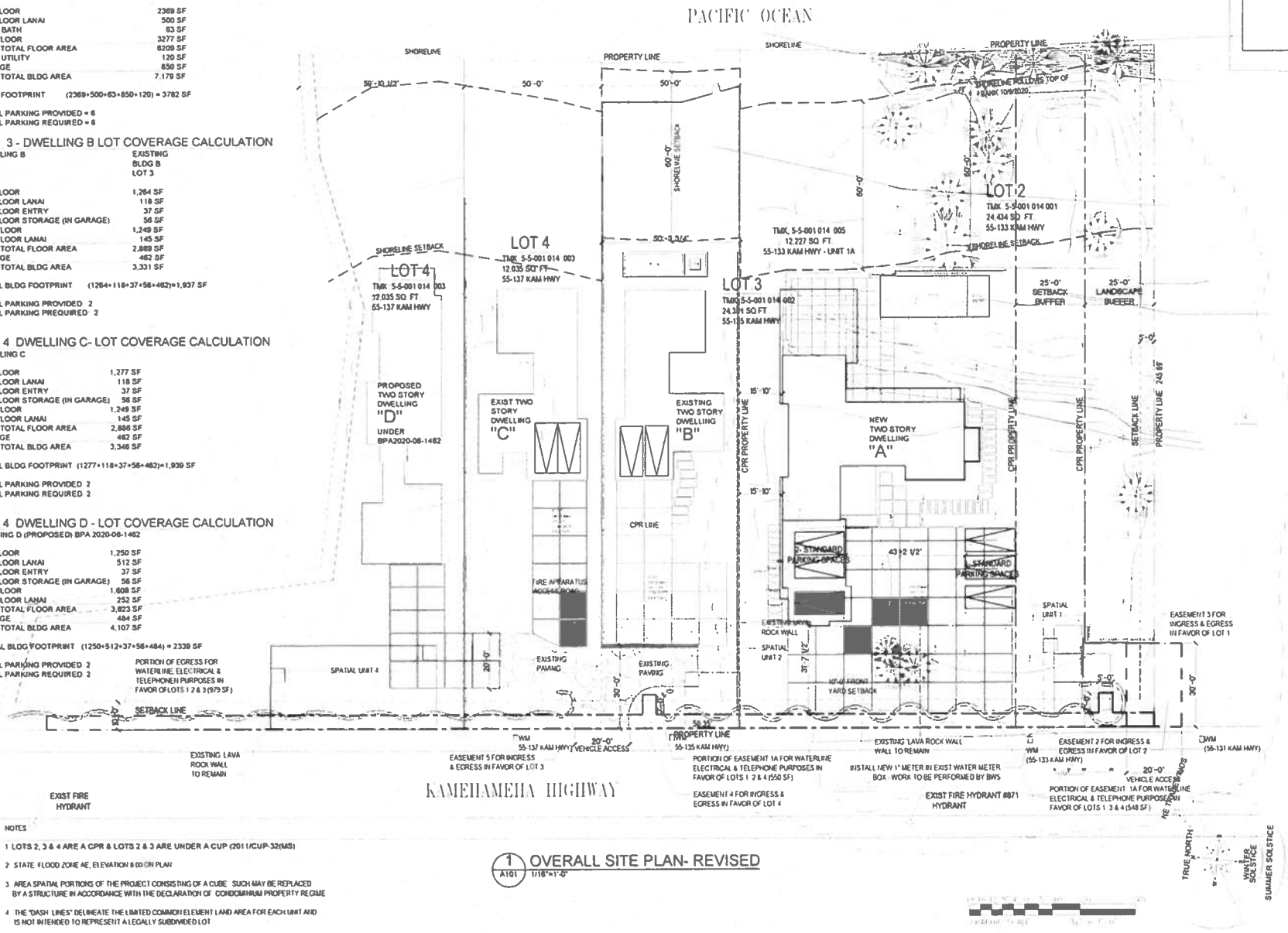
BUILDING D (PROPOSED) BPA 2020-08-1482

1ST FLOOR	1,250 SF
1ST FLOOR LANAI	512 SF
1ST FLOOR ENTRY	37 SF
1ST FLOOR STORAGE (IN GARAGE)	56 SF
2ND FLOOR	1,608 SF
2ND FLOOR LANAI	252 SF
TOTAL FLOOR AREA	3,823 SF
GARAGE	484 SF
TOTAL BLDG AREA	4,107 SF

TOTAL BLDG FOOTPRINT (1250+512+37+56+484) = 2339 SF

TOTAL PARKING PROVIDED 2
TOTAL PARKING REQUIRED 2

PORTION OF EGRESS FOR WATERLINE, ELECTRICAL & TELEPHONEN PURPOSES IN FAVOR OF LOTS 1 2 & 3 (979 SF)



NOTES

1 LOTS 2, 3 & 4 ARE A CPR & LOTS 2 & 3 ARE UNDER A CUP (2011/CUP-32(MS)

2 STATE FLOOD ZONE AE, ELEVATION 8.00 ON PLAN

3 AREA SPATIAL PORTIONS OF THE PROJECT CONSISTING OF A CUBE SUCH MAY BE REPLACED BY A STRUCTURE IN ACCORDANCE WITH THE DECLARATION OF CONDOMINIUM PROPERTY REGIME

4 THE "DASH LINES" DELINEATE THE LIMITED COMMON ELEMENT LAND AREA FOR EACH UNIT AND IS NOT INTENDED TO REPRESENT A LEGALLY SUBDIVIDED LOT

1 A101 OVERALL SITE PLAN- REVISED
1/16"=1'-0"

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TMK 5-5-001 014-0001

SITE PLAN REVISED

preliminary approved XX/XX/21
permit application 5/21/21
permit approved

REVISION	NO
8/4/2021 DPP	1
9/30/2021 DPP	2
11/10/2021 DPP	3
10/15/2022 OWNER	4
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A101

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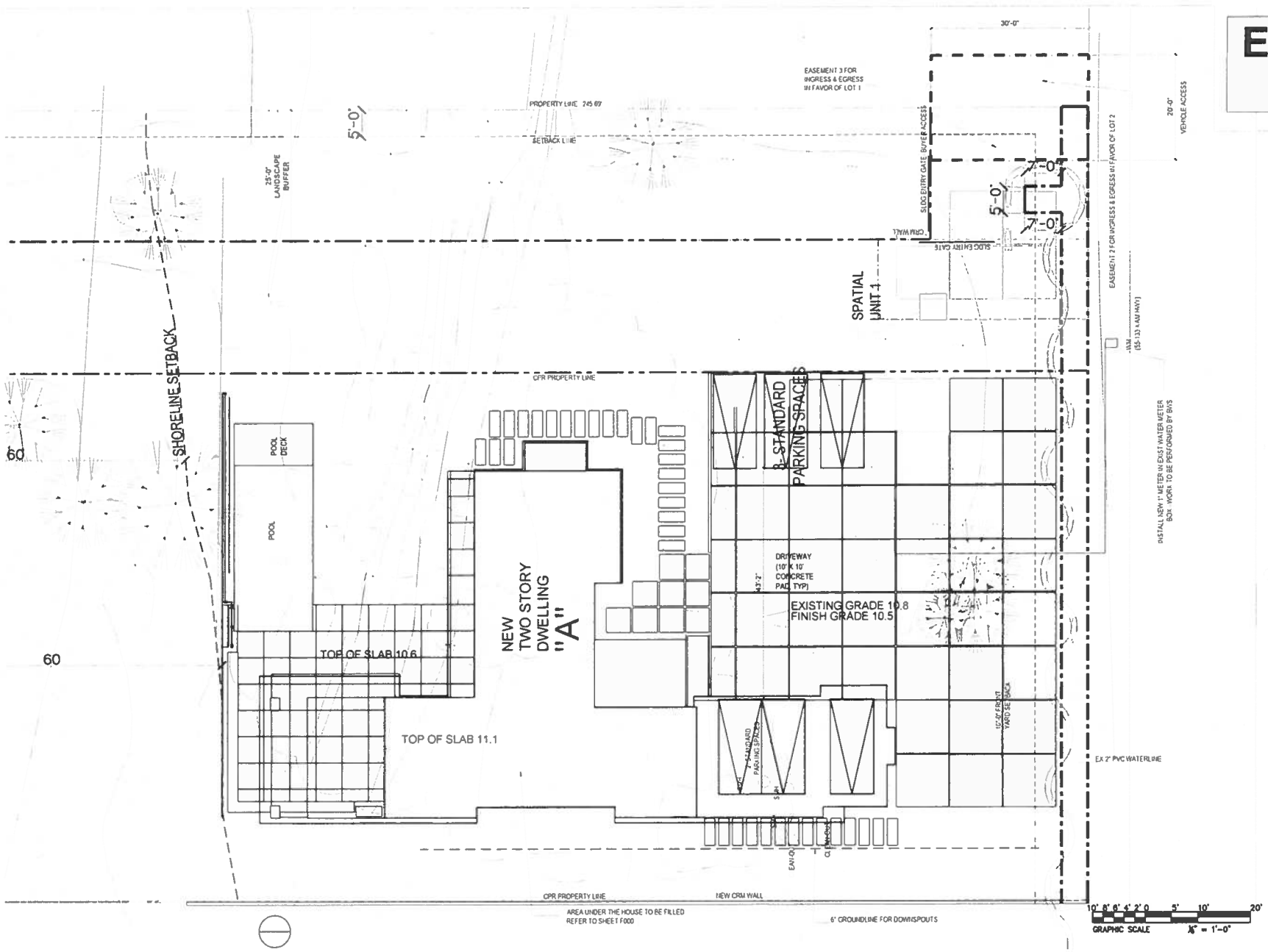
EXHIBIT C-6



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TMK: 5-5-001: 014:0001

SITE PLAN

preliminary approved JUL/30/21
permit application 5/21/21
permit approved

REVISION	NO
6/4/2021 DPP	1
9/30/2021 DPP	2
11/18/2021 DPP	3
10/15/2022 OWNER	4
	5
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Date
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A102

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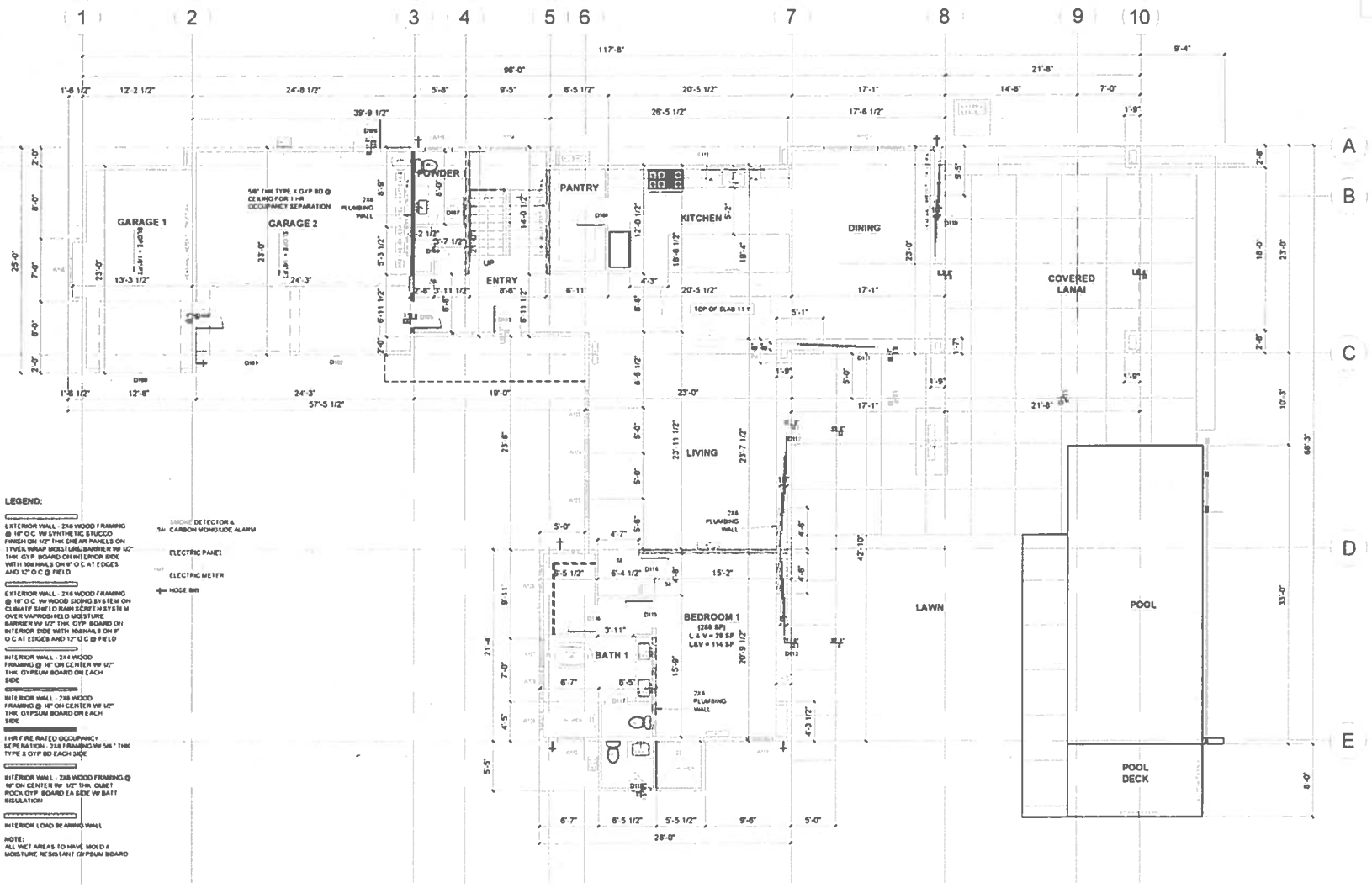
EXHIBIT C-7



1 A200 FIRST FLOOR PLAN
3/16"=1'-0"

GRAPHIC SCALE 3/16" = 1'-0"

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TMK: 5-5-001: 014-0001

FIRST FLOOR PLAN

preliminary approved XX/XX/21
permit application 5/21/21
permit approved

REVISION	NO
6/4/2021 DPP	1
9/10/2021 DPP	2
11/19/2021 DPP	3
10/15/2022 OWNER	4
	5
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Date
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A200

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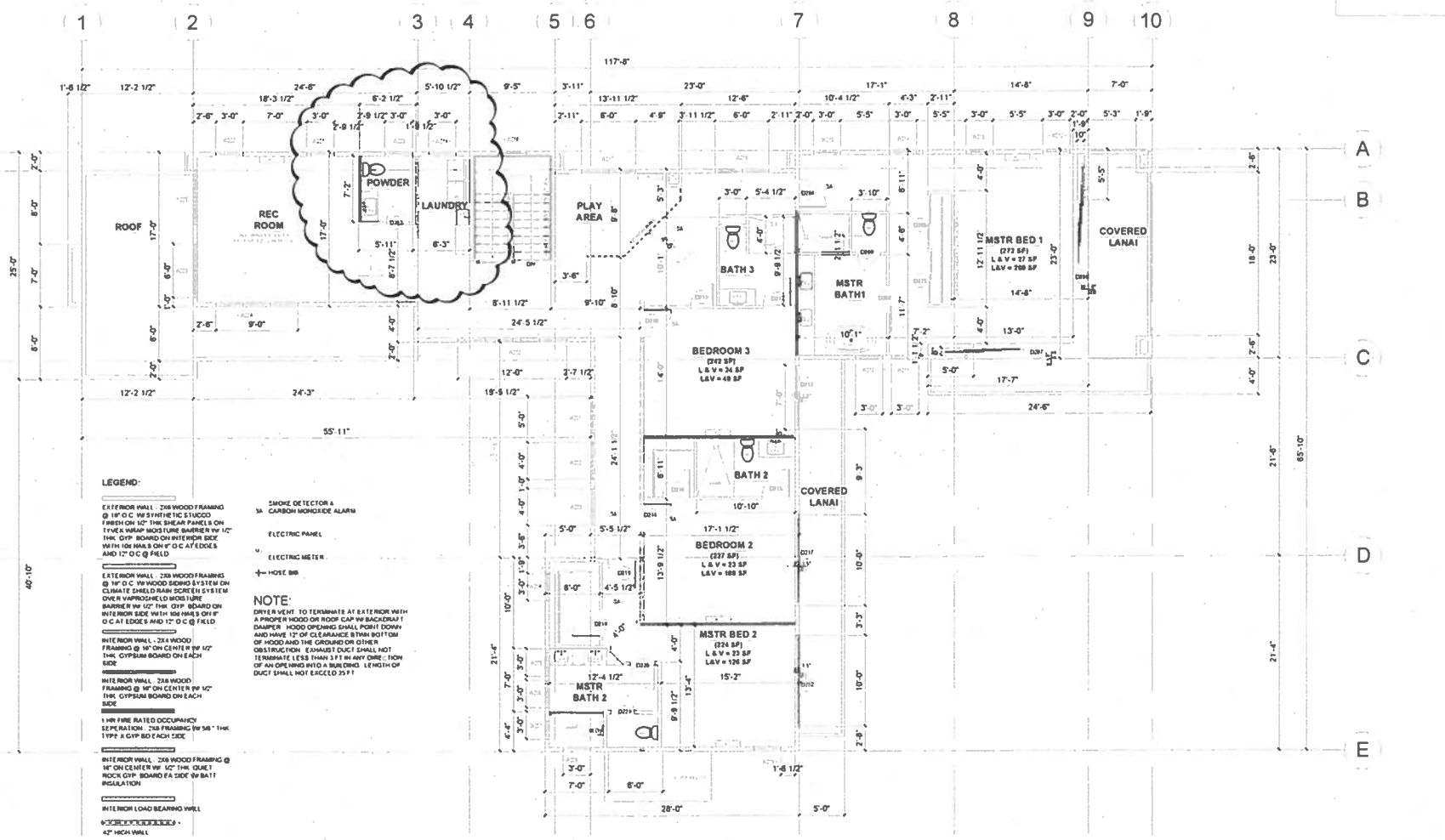
EXHIBIT C-8



LEGEND:

EXTERIOR WALL - 2X6 WOOD FRAMING @ 16" O.C. W/ SYNTHETIC STUCCO FINISH ON 1/2" THK SHEAR PANELS ON TYVEK WRAP MOISTURE BARRIER W/ 1/2" THK. GYP. BOARD ON INTERIOR SIDE WITH 10d NAILS ON 6" O.C. AT EDGES AND 12" O.C. @ FIELD

EXTERIOR WALL - 2X6 WOOD FRAMING @ 16" O.C. W/ WOOD SIDING SYSTEM ON CLIMATE SHIELD RAIN SCREEN SYSTEM OVER VAPROSHIELD MOISTURE BARRIER W/ 1/2" THK. GYP. BOARD ON INTERIOR SIDE WITH 10d NAILS ON 6" O.C. AT EDGES AND 12" O.C. @ FIELD

INTERIOR WALL - 2X4 WOOD FRAMING @ 16" ON CENTER W/ 1/2" THK. GYPSUM BOARD ON EACH SIDE

INTERIOR WALL - 2X6 WOOD FRAMING @ 16" ON CENTER W/ 1/2" THK. GYPSUM BOARD ON EACH SIDE

1 HR FIRE RATED OCCUPANCY SEPERATION - 2X6 FRAMING W/ 5/8" THK TYPE X GYP BD EACH SIDE

INTERIOR WALL - 2X6 WOOD FRAMING @ 16" ON CENTER W/ 1/2" THK. QUIET ROCK GYP. BOARD FA SIDE W/ BATT INSULATION

INTERIOR LOAD BEARING WALL

42" HIGH WALL

SMOKE DETECTOR & CARBON MONOXIDE ALARM

ELECTRIC PANEL

ELECTRIC METER

HOSE BIB

NOTE:
DRYER VENT TO TERMINATE AT EXTERIOR WITH A PROPER HOOD OR ROOF CAP W/ BACKDRAFT DAMPER. HOOD OPENING SHALL POINT DOWN AND HAVE 12" OF CLEARANCE BTWN BOTTOM OF HOOD AND THE GROUND OR OTHER OBSTRUCTION. EXHAUST DUCT SHALL NOT TERMINATE LESS THAN 3 FT IN ANY DIRECTION OF AN OPENING INTO A BUILDING. LENGTH OF DUCT SHALL NOT EXCEED 25 FT

NOTE 1:
ALL WET AREAS TO HAVE MOLD & MOISTURE RESISTANT GYPSUM BOARD

NOTE 2
SUB-FLOOR PLYWD SHEATHING TO BE SCREWED & GLUED

NOTE 3.
INTERIOR WALLS BETWEEN BEDROOMS TO HAVE INSULATION

1 A201 SECOND FLOOR PLAN
3/16"=1'-0"

GRAPHIC SCALE 5'4'3'2'1' 0 5' 10'
3/16" = 1'-0"

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TMK: 5-5-001: 011-0001

SECOND FLOOR PLAN

preliminary approved XX/XX/21
permit application 5/21/21
permit approved

REVISION	NO
6/4/2021 DPP	1
9/30/2021 DPP	2
11/10/2021 DPP	3
10/19/2022 OWNER	4
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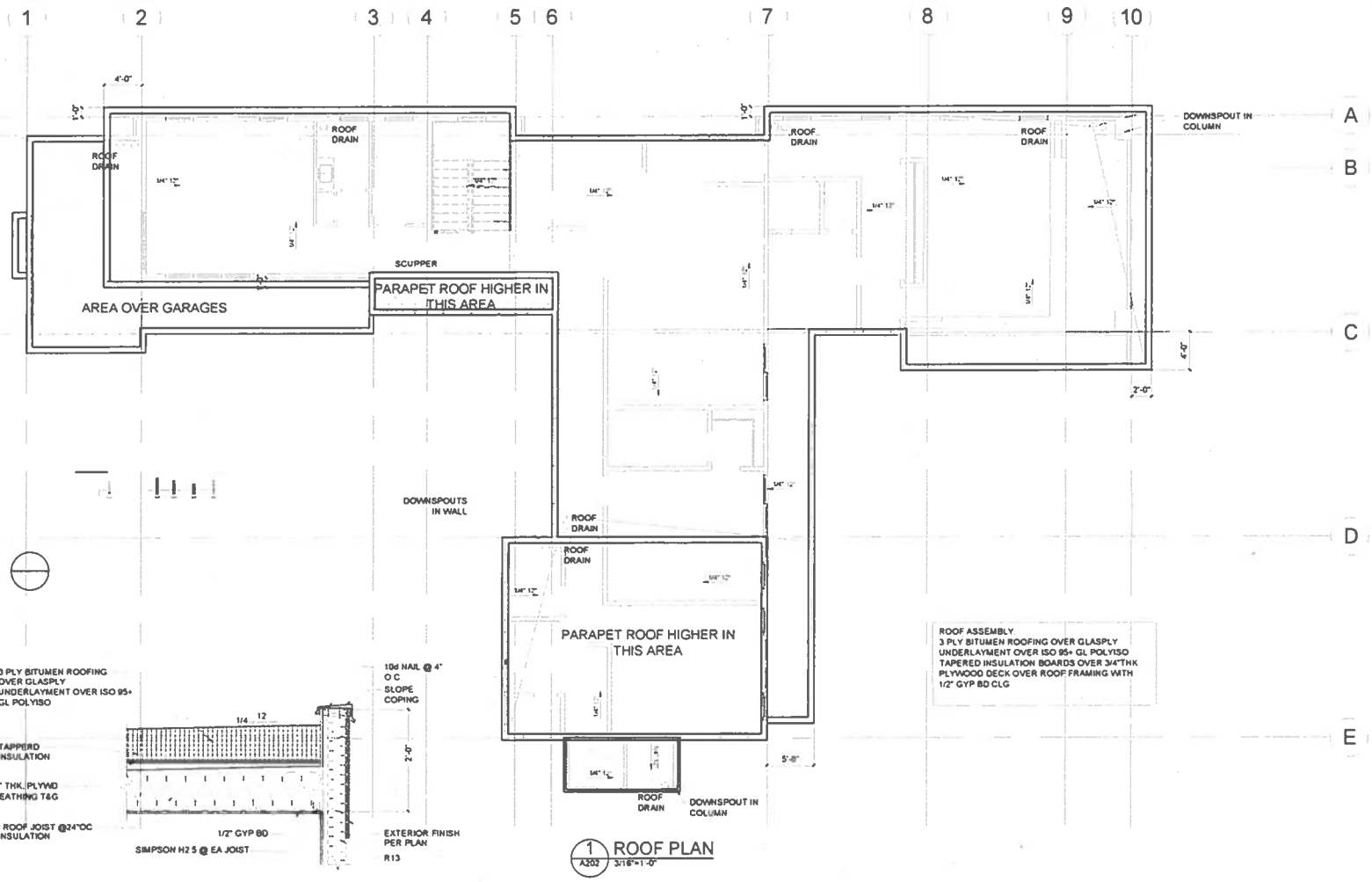
EXHIBIT C-9



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ROOF PLAN

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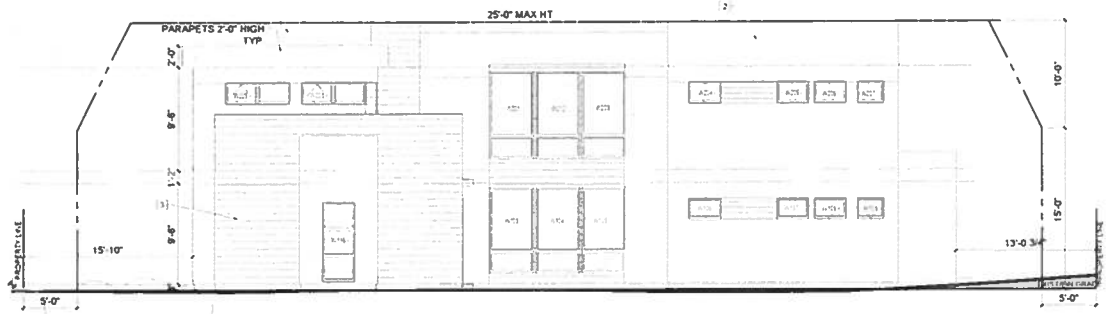
EXHIBIT C-10

NOTE

CONTRACTOR SHALL VERIFY APPROVED JOBSITE CONTRACT DOCUMENTS, EXISTING GRADES, LUO ENVELOPE CONFORMANCES AND SITE DIMENSIONS PRIOR TO COMMENCING WORK. CONTRACTOR TO NOTIFY ARCHITECT OF CONFLICTS PRIOR TO COMMENCING WORK. DO NOT SCALE DRAWINGS.

LEGEND

1. 3 PLY MOD-BITUMEN ROOFING OVER GLASPLY UNDERLAYMENT ON TAPERED INSULATION
2. SYNETHIC STUCCO FINISH
3. WOOD SIDING ON CLIMATE SHIELD RAIN SCREEN SYSTEM OVER VAPROSHIELD WATERPROOFING
4. CABLE RAILING SYSTEM
5.



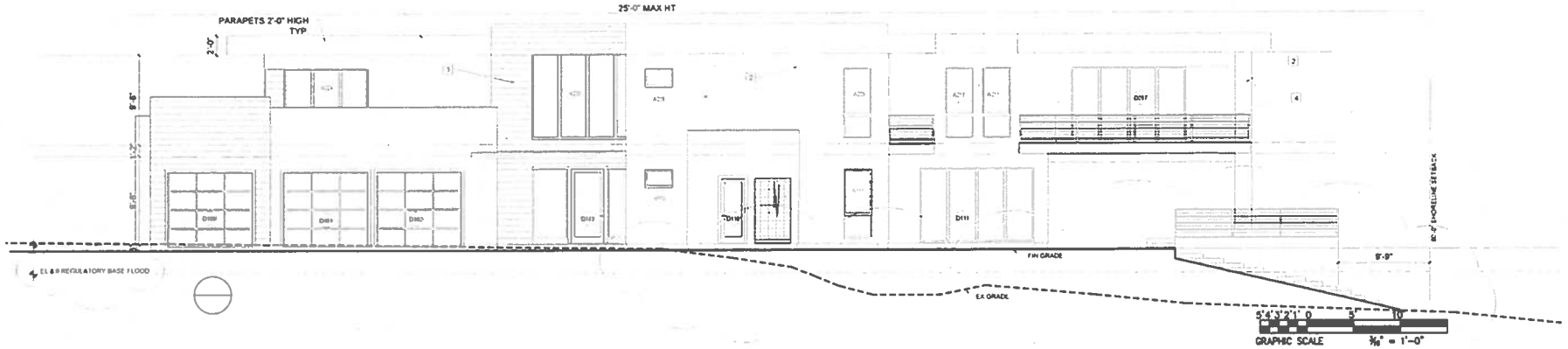


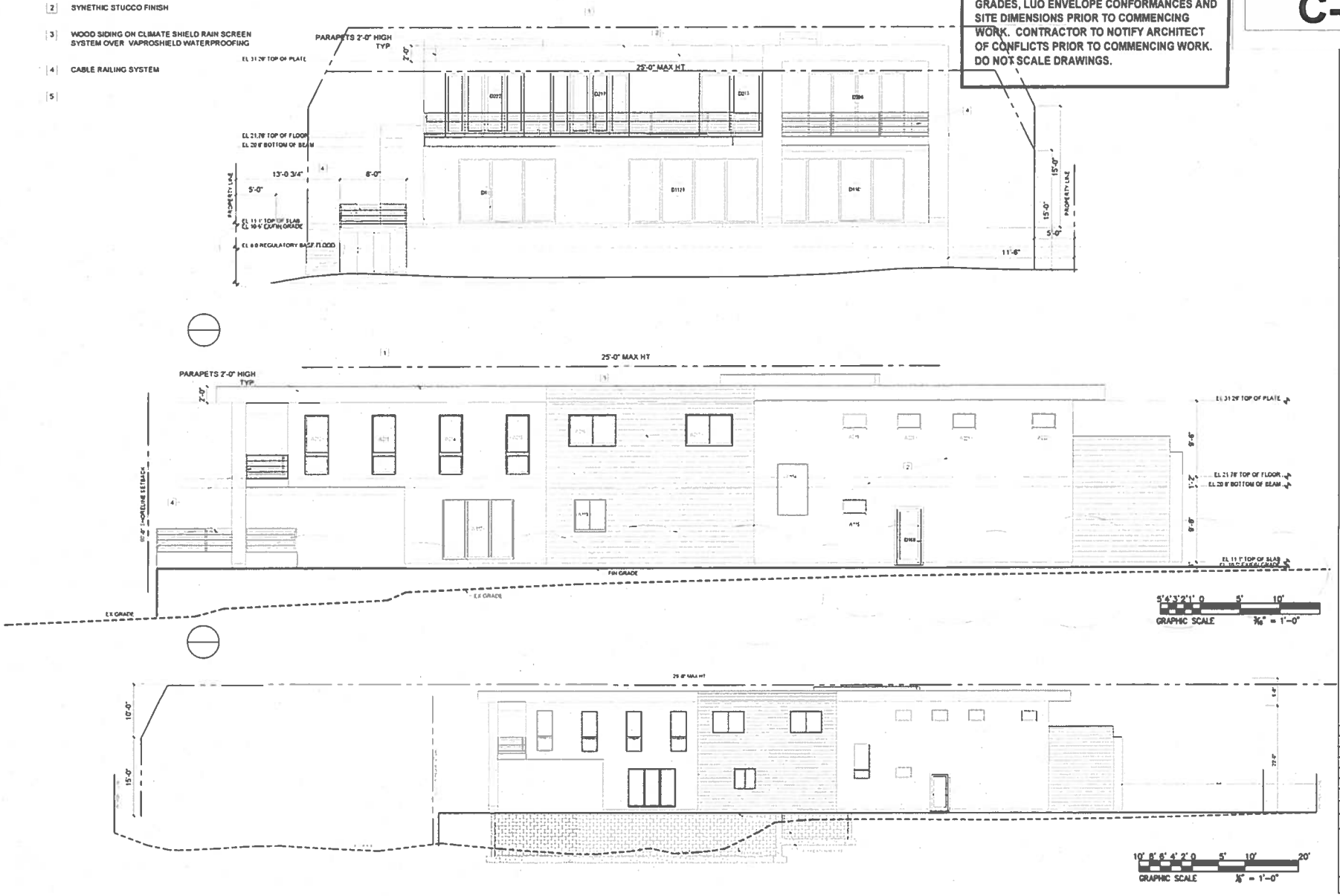
EXHIBIT C-11

LEGEND

1. 3 PLY MOD-BITUMEN ROOFING OVER GLASPLY UNDERLAYMENT ON TAPERED INSULATION
2. SYNETHIC STUCCO FINISH
3. WOOD SIDING ON CLIMATE SHIELD RAIN SCREEN SYSTEM OVER VAPROSHIELD WATERPROOFING
4. CABLE RAILING SYSTEM
5.

NOTE

CONTRACTOR SHALL VERIFY APPROVED JOBSITE CONTRACT DOCUMENTS, EXISTING GRADES, LUO ENVELOPE CONFORMANCES AND SITE DIMENSIONS PRIOR TO COMMENCING WORK. CONTRACTOR TO NOTIFY ARCHITECT OF CONFLICTS PRIOR TO COMMENCING WORK. DO NOT SCALE DRAWINGS.



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EXTERIOR ELEVATIONS

preliminary approved XX/XX/21
permit application 5/21/21
permit approved

REVISION	NO
6/4/2021 DPP	1
9/30/2021 DPP	2
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10/19/2022 OWNER	4
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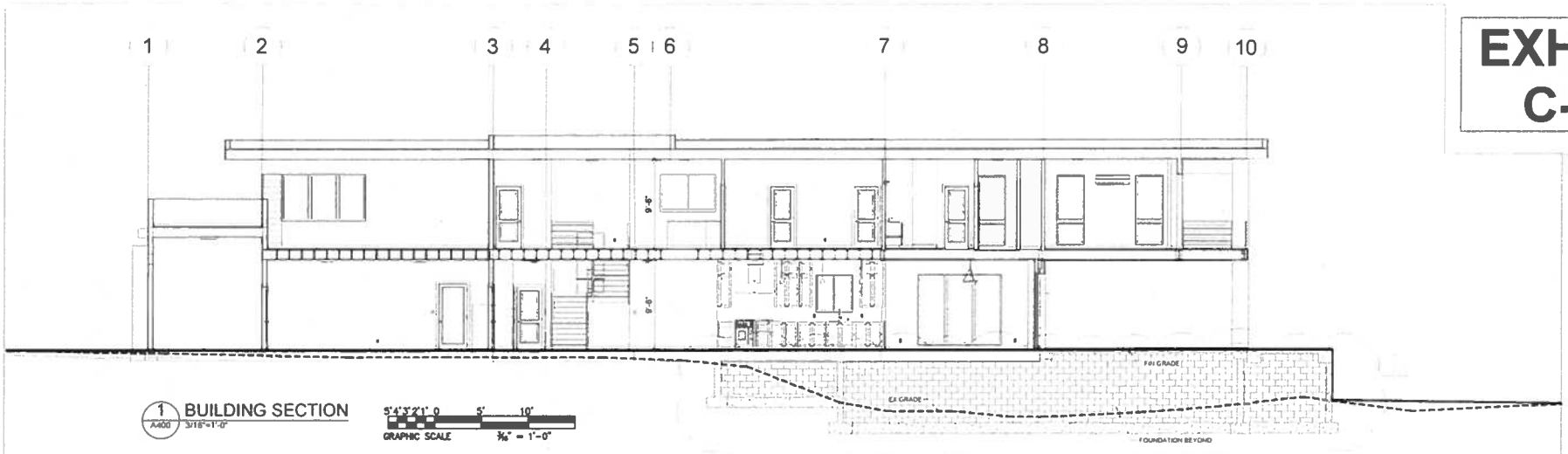
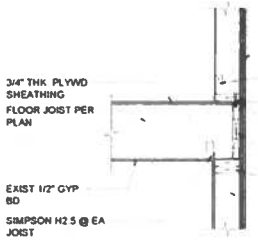
EXHIBIT C-12

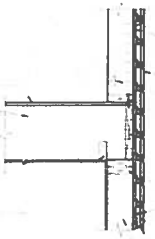


1 A400 BUILDING SECTION 3/16"=1'-0"

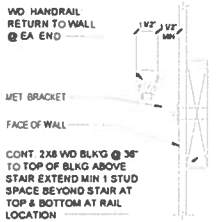
GRAPHIC SCALE 5'4" 3' 2' 1' 0 5' 10" 3/16" = 1'-0"



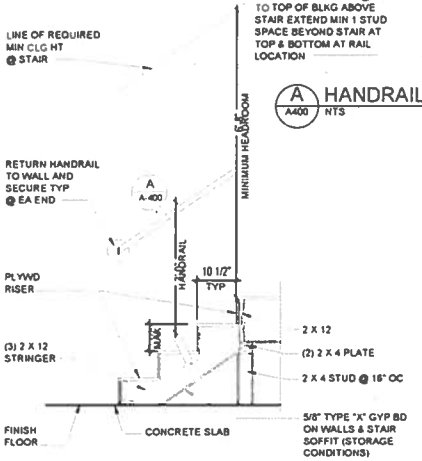
2 A400 STUCCO DETAIL 1"=1'-0"



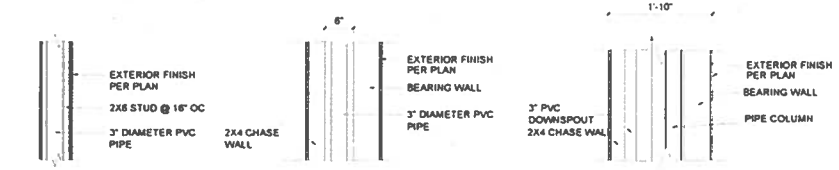
3 A400 RAIN SCREEN DETAIL 1"=1'-0"



A A400 HANDRAIL DETAIL NTS



5 A400 STAIR DETAIL 3/4"=1'-0"



4 A400 DOWNSPOUT DETAILS 1"=1'-0"

GRAPHIC SCALE 1' 6" 3" 0 2'-6" 1" = 1'-0"

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BUILDING SECTIONS/WALL DETAILS

preliminary approved XX/XX/21
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permit approved

REVISION	NO
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9/30/2021 DPP	2
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10/19/2022 OWNER	4
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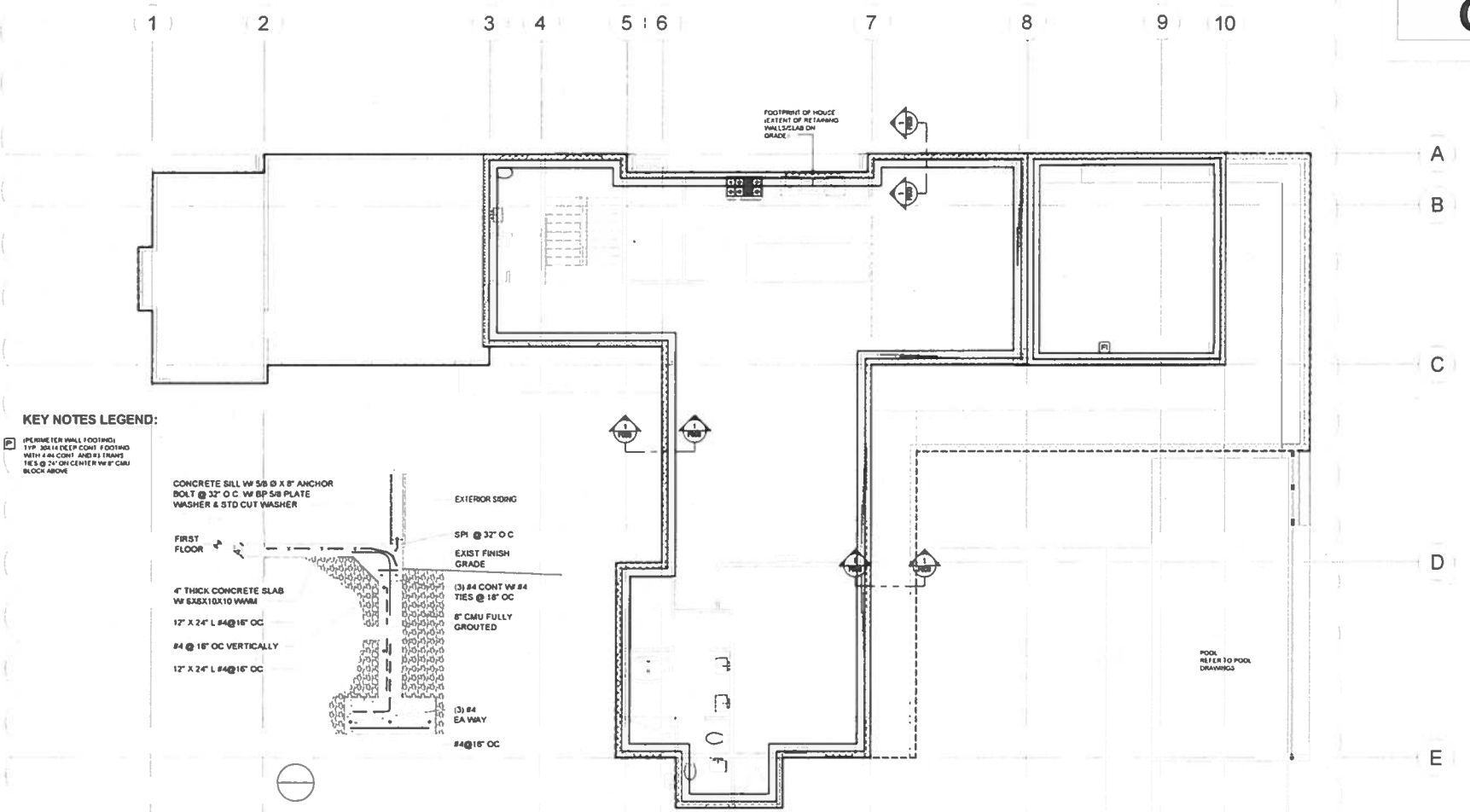
EXHIBIT C-13



KEY NOTES LEGEND:

P (PERIMETER WALL FOOTING) 1'-0" X 24" DEEP CONT. F.OOTING WITH 4 #4 CONT. AND #3 TRANS TIES @ 24" ON CENTER W/ 8" CMU BLOCK ABOVE

NOTE: REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION NOTES & DETAILS

2 F000 FOUNDATION PLAN
3/16"=1'-0"

GRAPHIC SCALE 5'4'3'2'1' 0 5' 10'
3/16" = 1'-0"

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FOUNDATION WALL PLAN

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permit approved

REVISION	NO
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11/10/2021 DPP	3
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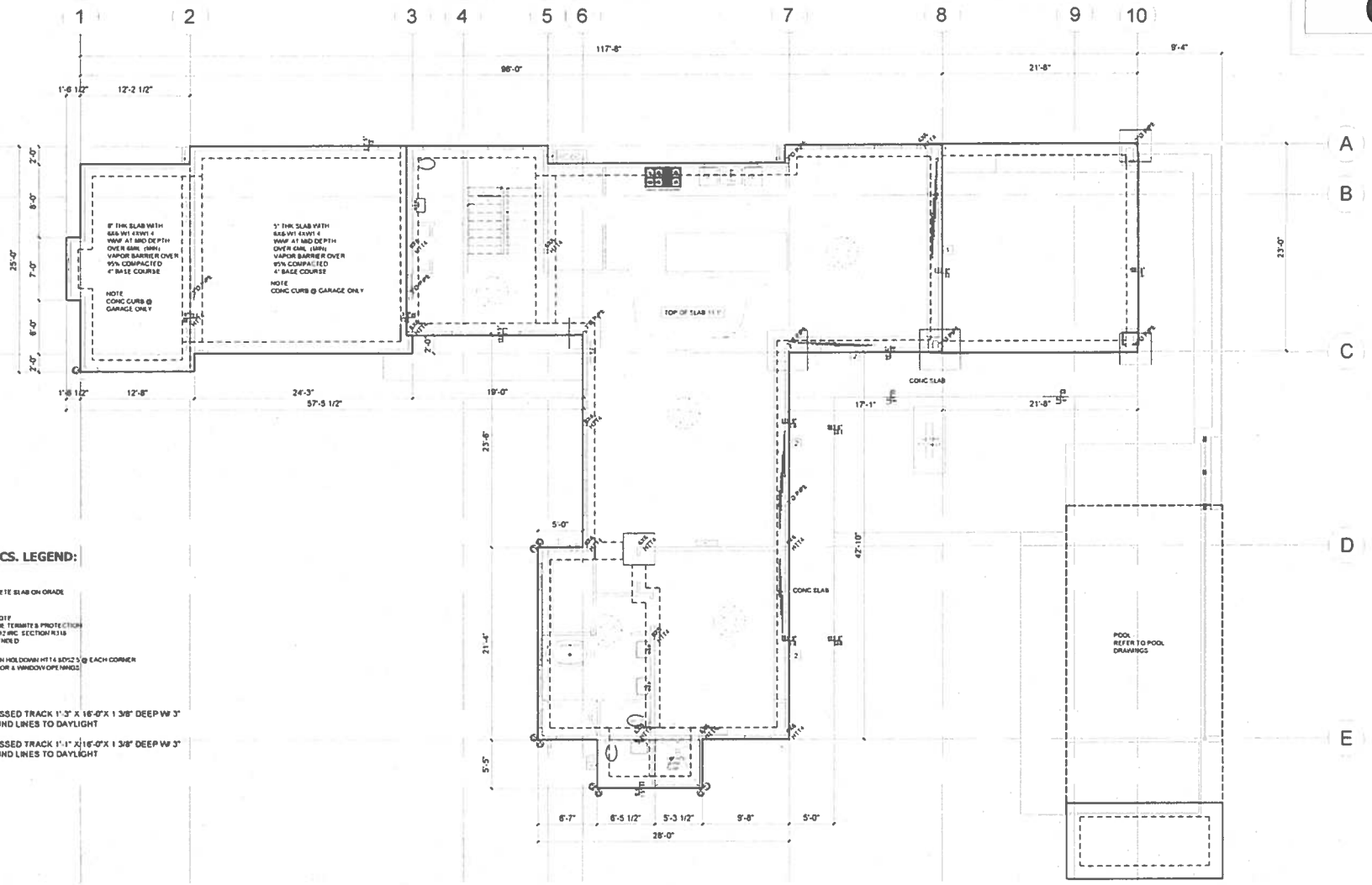
EXHIBIT C-14



SPECS. LEGEND:

CONCRETE SLAB ON GRADE

GEN NOTE
PROVIDE TERMITE & PROTECTION
PER 2012 IRC SECTION R318
AS AMENDED

SIMPSON HOLDOWN HTT4 SDS2.5 @ EACH CORNER AND DOOR & WINDOW OPENINGS

1 RECESSED TRACK 1'-3" X 16'-0"X 1 3/8" DEEP W/ 3" GROUND LINES TO DAYLIGHT

2 RECESSED TRACK 1'-1" X 16'-0"X 1 3/8" DEEP W/ 3" GROUND LINES TO DAYLIGHT

1 F001 FOUNDATION PLAN
3/16"=1'-0"

GRAPHIC SCALE 5'4"3'2'1' 0 5' 10'
3/16" = 1'-0"

NOTE: REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION NOTES & DETAILS

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PROFESSIONAL
APLM LLC
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Exp Date: 4/30/2021

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FOUNDATION PLAN

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permit approved

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F001

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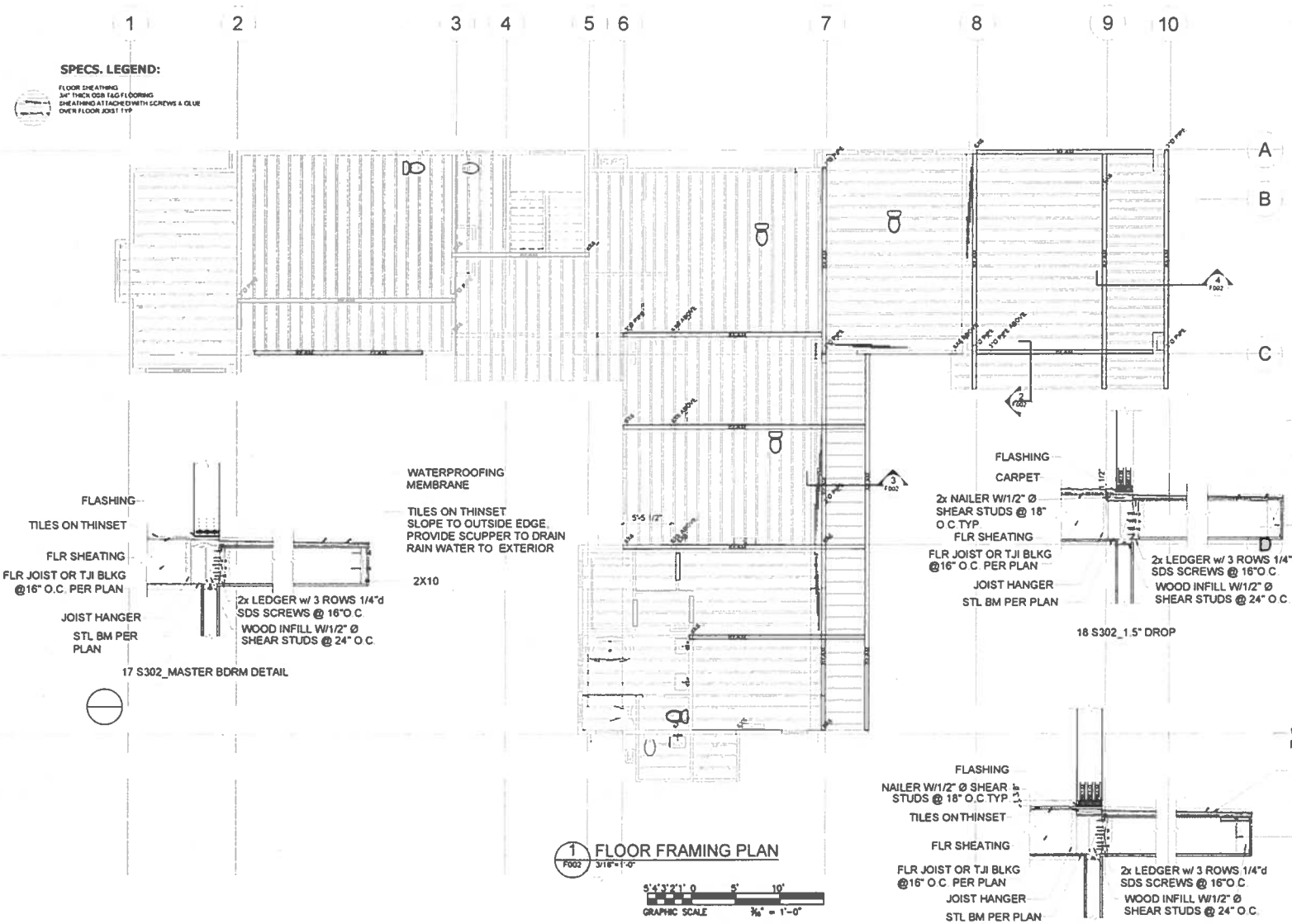
EXHIBIT C-15



NOTE: REFER TO STRUCTURAL DRAWINGS FOR FLOOR JOIST & BEAM SIZES

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FLOOR FRAMING

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permit approved

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10/15/2022 OWNER	4
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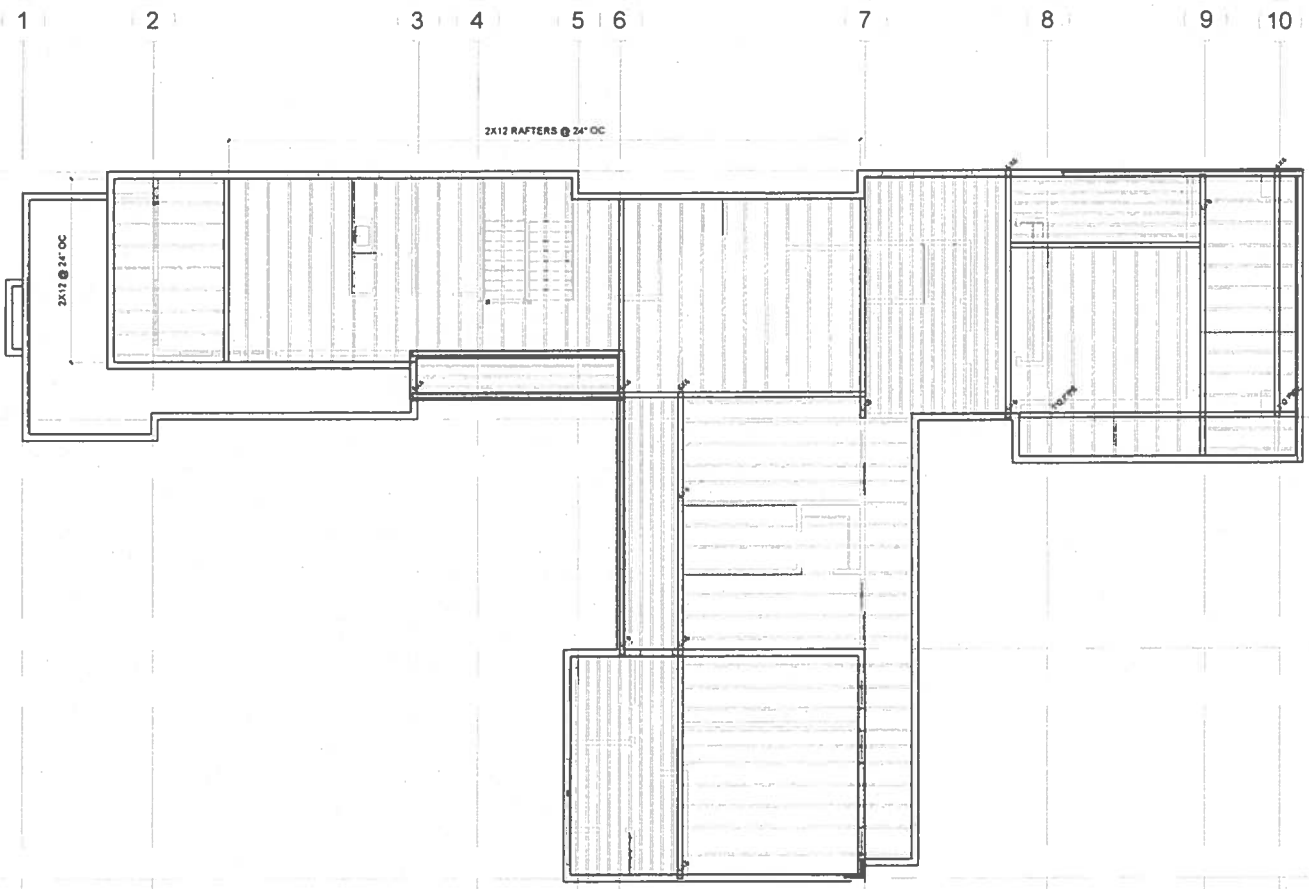
EXHIBIT C-16



1 F003 ROOF FRAMING PLAN
3/16"=1'-0"

GRAPHIC SCALE 5'4'3'2'1' 0 5' 10'
3/16" = 1'-0"

NOTE: REFER TO STRUCTURAL DRAWINGS FOR ROOF RAFTERS & BEAM SIZES & DETAILS

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TMK: 5-5-001: 014-0001

ROOF FRAMING

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permit approved

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11/16/2021 DPP	3
10/15/2022 OWNER	4
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EXHIBIT C-17

GENERAL SPECIFICATIONS

1 ALL MATERIALS AND ALL WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE STATE OF HAWAII & CITY & COUNTY OF HONOLULU CODES AND REGULATIONS
2 ALL CONCRETE SHALL BE 3000 PSI MINIMUM AT 28 DAYS
3 ALL REINFORCING SHALL CONFORM TO ASTM A-615 GRADE 40
4 ALL PIPING SHALL BE SCHEDULE 40 PVC
5 SUPPORTING SOIL SHALL BE UNDISTURBED UNIFORM NATURAL SOIL CAPABLE OF SUPPORTING 1000LBS PER SQUARE FOOT IF ANY OTHER CONDITION IS ENCOUNTERED BUILDER SHALL NOTIFY THE ARCHITECT OR THE ENGINEER

PLUMBING SPECIFICATIONS

1 BACKWASH OF FILTER SHALL BE PIPED TO IRRIGATION ON SITE
2 CROSS CONNECTION SHALL BE PREVENTED BY APPROVED PRESSURE VACUUM BREAKER PEBCO #765 INSTALLED @ 12" ABOVE FLOOD LEVEL

SWIMMING POOL ELECTRICAL SPECIFICATIONS

1 THIS IS A SUMMARY OF THE REQUIREMENTS FOR POOLS SPAS FOUNDATIONS AND SIMILAR INSTALLATIONS FOR SPECIFIC DETAILS AND EXCEPTIONS REFER TO THE 2017 NATIONAL ELECTRICAL CODE
2 ALL ELECTRICAL EQUIPMENT TO BE U L APPROVED
3 BONDING CONTRACTOR FOR POOL REINFORCING STEEL AND OTHER METALLIC EQUIPMENT TO BE #8 AWG SOLID COPPER CONDUCTOR
4 SWITCHING DEVICES ON THE PROPERTY MUST BE LOCATED AT LEAST 5 FEET FROM THE POOL
5 OVERHEAD WIRING SHALL BE INSTALLED WITHIN 10 FEET OF THE POOL
6 UNDERGROUND WIRING SHALL NOT BE PERMITTED UNDER THE POOL OR UNDER THE AREA EXTENDING 5 FEET HORIZONTALLY FROM THE INSIDE OF THE POOL WALL
6 1 EXCEPTION 1 WIRING NECESSARY TO SUPPLY POOL EQUIPMENT PERMITTED BY THE ARTICLE SHALL BE ALLOWED IN THIS AREA
6 2 EXCEPTION 2 WHERE SPACE LIMITATIONS PREVENT WIRING FROM BEING MUTED 5 FT OR MORE FROM THE POOL SUCH WIRING SHALL BE PERMITTED WHERE INSTALLED IN RIGID METAL CONDUIT INTERMEDIATE METAL CONDUIT OR A NONMETALLIC RACEWAY SYSTEM ALL METAL CONDUITS SHALL BE CORROSION RESISTANT AND SUITABLE FOR THE LOCATION
7 ANY UNDERWATER LIGHTING FIXTURE OVER 15 VOLTS SHALL BE GFCI
8 ALL ELECTRICAL EQUIPMENT INCLUDING POWER SUPPLY CORDS USED WITH STORABLE SWIMMING POOLS SHALL BE GFCI
9 FOUNDATIONS FOUNTAIN POOLS REFLECTOR LIGHTING FIXTURES SUBMERSIBLE PUMPS ALL OTHER SUBMERSIBLE EQUIPMENT AND ALL CORD AND PLUG CONNECTED EQUIPMENT SHALL BE GFCI
10 A CONVENIENCE OUTLET SHALL BE PROVIDED NO CLOSER THAN 10 FT AND NO MORE THAN 20 FT FROM THE WATER'S EDGE AND SHALL BE GFI PROTECTED PER NEC
11 CONTRACTOR TO REFER TO 2012 IRC SECTION E4103 EQUIPMENT LOCATION & CLEARANCES FOR RECEPTACLE LOCATIONS

POOL REBAR SCHEDULE

1 #3 @ 6" OC EACH WAY CONTINUOUS AROUND SKIMMER LIGHT NICHE AND MAIN DRAIN
2 REBAR ABOVE 5 FEET DEPTH (TYPICAL)
2 1 #5 @ 12" OC HORIZONTAL
2 2 #5 @ 12" OC VERTICAL
3 REBAR BELOW 5 FEET DEPTH (TYPICAL)
3 1 #5 @ 12" OC HORIZONTAL
3 2 #5 @ 8" OC VERTICAL
3 3 EXTEND ALTERNATE VERTICALS INTO BOND BEAM
4 PROVIDE 3" MINIMUM COVER OUTSIDE AND 2" MINIMUM COVER INSIDE FOR ALL REBAR

STANDARD PLUMBING AND DISCHARGE NOTES

1 POOL BACKWASH WATER DISCHARGE AND/OR WASHING OF DEBRIS INTO THE PUBLIC RIGHT-OF-WAY INTO ANY PUBLIC EASEMENT AND INTO THE CITY'S STORM DRAIN SYSTEM ARE NOT ALLOWED
2 IF DISCHARGING THE POOL WATER WITHIN THE SUBJECT PROPERTY ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATER AND/OR SEDIMENT-LADEN RUN-OFF FROM LEAVING THE SITE IN ADDITION THE POOL WATER SHOULD NOT CAUSE WATER TO STAGNATE ON OR TO FLOOD ANY ADJOINING PROPERTIES
3 IF POOL WATER DISCHARGES TO THE CITY'S STORM DRAIN SYSTEM APPROVAL IS REQUIRED BY THE STORM WATER QUALITY BRANCH OF THE CITY DEPARTMENT OF ENVIRONMENTAL SERVICES (ENV) FOR INFORMATION AND TO ARRANGE FOR INSPECTION PRIOR TO DISCHARGE CONTACT ENV @ (808) 768-3245
4 POOL WATER DISCHARGE TO THE CITY'S SANITARY SEWER SYSTEM REQUIRES APPROVAL BY THE REGULATORY CONTROL BRANCH OF THE CITY'S DEPARTMENT OF ENVIRONMENTAL SERVICES (ENV) CONTACT ENV @ (808) 768-3291 OR (808) 768-3292
5 POOL WATER DISCHARGES TO THE STATE OF HAWAII'S STORM DRAIN SYSTEM REQUIRES APPROVAL BY THE HIGHWAYS DIVISION OF THE STATE DEPARTMENT OF TRANSPORTATION
6 POOL WATER (PUBLIC SWIMMING POOL) DISCHARGES REQUIRE APPROVAL BY THE SANITATION BRANCH OF THE STATE DEPARTMENT OF HEALTH (DOH)
7 NO STOCKPILING OF EXCAVATED MATERIAL SHALL BE ALLOWED WITHIN THE PUBLIC RIGHT-OF-WAY OR ANY PUBLIC EASEMENT IF WORK ON THE PUBLIC-RIGHT-OF-WAY IS NECESSITATED CONTACT THE STREET USAGE BRANCH OF THE CITY & COUNTY OF HONOLULU
8 NON-COMPLIANCE WITH ANY OF THE ABOVE REQUIREMENTS MAY RESULT IN ADMINISTRATIVE CIVIL AND/OR CRIMINAL PENALTIES

BARRIER REQUIREMENTS

(REFER TO APPENDIX G OF THE 2012 IRC):

1 A FENCE OR WALL MUST BE CONSTRUCTED TO COMPLETELY SURROUND THE POOL SUFFICIENTLY TO MAKE THE POOL INACCESSIBLE TO SMALL CHILDREN
2 MINIMUM HEIGHT OF FENCE OR WALL SHALL BE 4 5 FEET
3 TOP OF BARRIER SHALL BE AT LEAST 48" ABOVE GRADE WITH A MAXIMUM VERTICAL CLEARANCE BETWEEN GRADE AND BOTTOM OF BARRIER OF 2" IF POOL IS LOCATED ABOVE GRADE THEN BARRIER MAY BE PLACED AT GROUND LEVEL IF BARRIER IS MOUNTED ON TOP OF POOL STRUCTURE THEN THE MAXIMUM VERTICAL CLEARANCE IS 4"
4 OPENINGS IN THE BARRIER SHALL NOT ALLOW A 4" D SPHERE TO PASS THRU
5 IF BARRIER CONSISTS OF VERTICAL AND HORIZONTAL MEMBERS REFER TO APPENDIX G OF THE 2012 IRC
6 PEDESTRIAN GATES SHALL OPEN OUTWARD AWAY FROM THE POOL AND SHALL HAVE A SELF-CLOSING AND A SELF-LATCHING DEVICE SELF LATCHING DEVICE SHALL BE MOUNTED 54" MINIMUM FROM THE BOTTOM OF THE GATE
7 DOORS WITH DIRECT ACCESS TO THE POOL SHALL BE EQUIPPED WITH AN ALARM WHICH PRODUCES AN AUDIBLE WARNING WHEN THE DOOR AND/OR ITS SCREEN ARE OPENED

BWS NOTES:

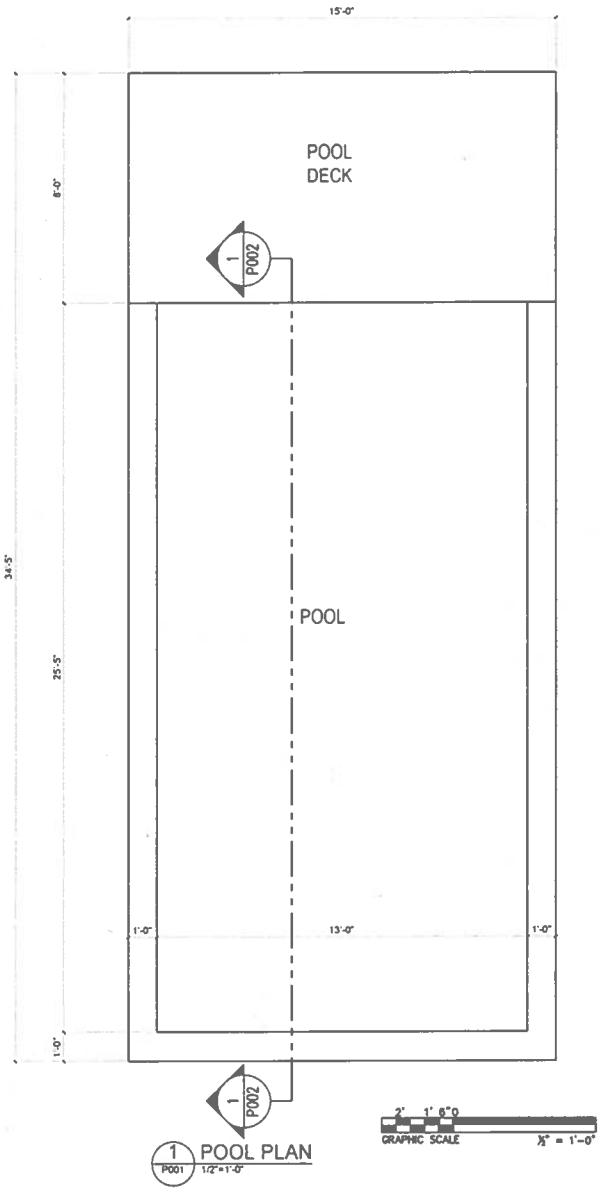
1 POOL TO BE FILLED VIA HOSE BIB
2 THIS WATER METER DOES NOT HAVE AFS OR AN IRRIGATION SYSTEM

WASTEWATER NOTES:

1 TO EMPTY POOL PUMP WITH A PORTABLE PUMP DIRECTLY TO GRASS AREA OR LANDSCAPE NO POOL WATER IS TO BE PUMPED INTO THE STREET OR A STORM WATER DRAIN

POOL DATA

POOL SIZE	34'-5" X 15'-0"	POOL DEPTH	4'-0" TO 8'-0"
FILTER	1 1 SAND	PUMP	VARIABLE
FLOW	50 GPM	TURNOVER	6 HRS
POOL VOLUME	20 216 GAL		



1 P001 POOL PLAN 1/2"=1'-0"

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Telephone (808) 955-2777
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MICHELE L. DAMICO LICENSED PROFESSIONAL ENGINEER No. 8794 HAWAII, U.S.A.

Exp Date 4/30/2024

RENNAKER RESIDENCE
55-133 KAMEHAMEHA HWY, LAIE, HAWAII 96762
TMK: 5-5-001: 014-0001

POOL SPECS /POOL PLAN

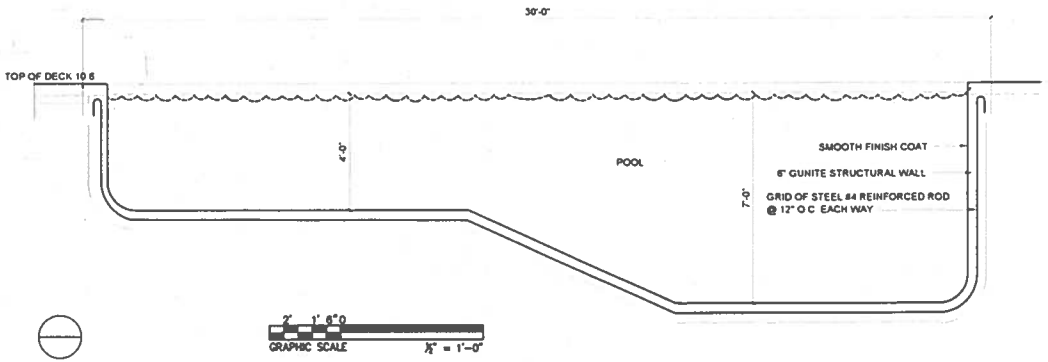
preliminary approved XX/XX/21
permit application 5/21/21
permit approved

REVISION	NO
6/4/2021 DPP	1
8/30/2021 DPP	2
11/10/2021 DPP	3
10/15/2021 OWNER	4
	5
	6

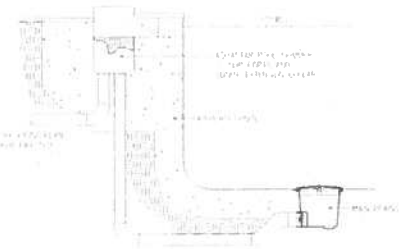
Drawn by
Date
Drawing No
P001

17 of 17 Sheets

EXHIBIT C-18



POOL STEPS SECTION



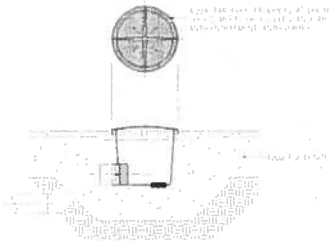
POOL SKIMMER

POOL WALL DETAIL

POOL LIGHTS

POOL INLETS

VAC LINE WITH VAC LOCK



POOL MAIN DRAINS

POOL SCHEMATIC

HOMEWORKS CONSTRUCTION INC
211 S Beretania Street
Honolulu, Hawaii 96826
Telephone (808) 955-2777
Facsimile (808) 955-2778

MICHELE L. DAW CO
LICENSED PROFESSIONAL ARCHITECT
No. 8781
HAWAII, U.S.A.

RENNAKER RESIDENCE
55-133 KAMEHAMEHA HWY, LAIE, HAWAII 96762
TMK: 5-5-001: 014-0001

POOL SECTION/POOL DETAILS

preliminary approved XX/XX/21
permit application 5/21/21
permit approved

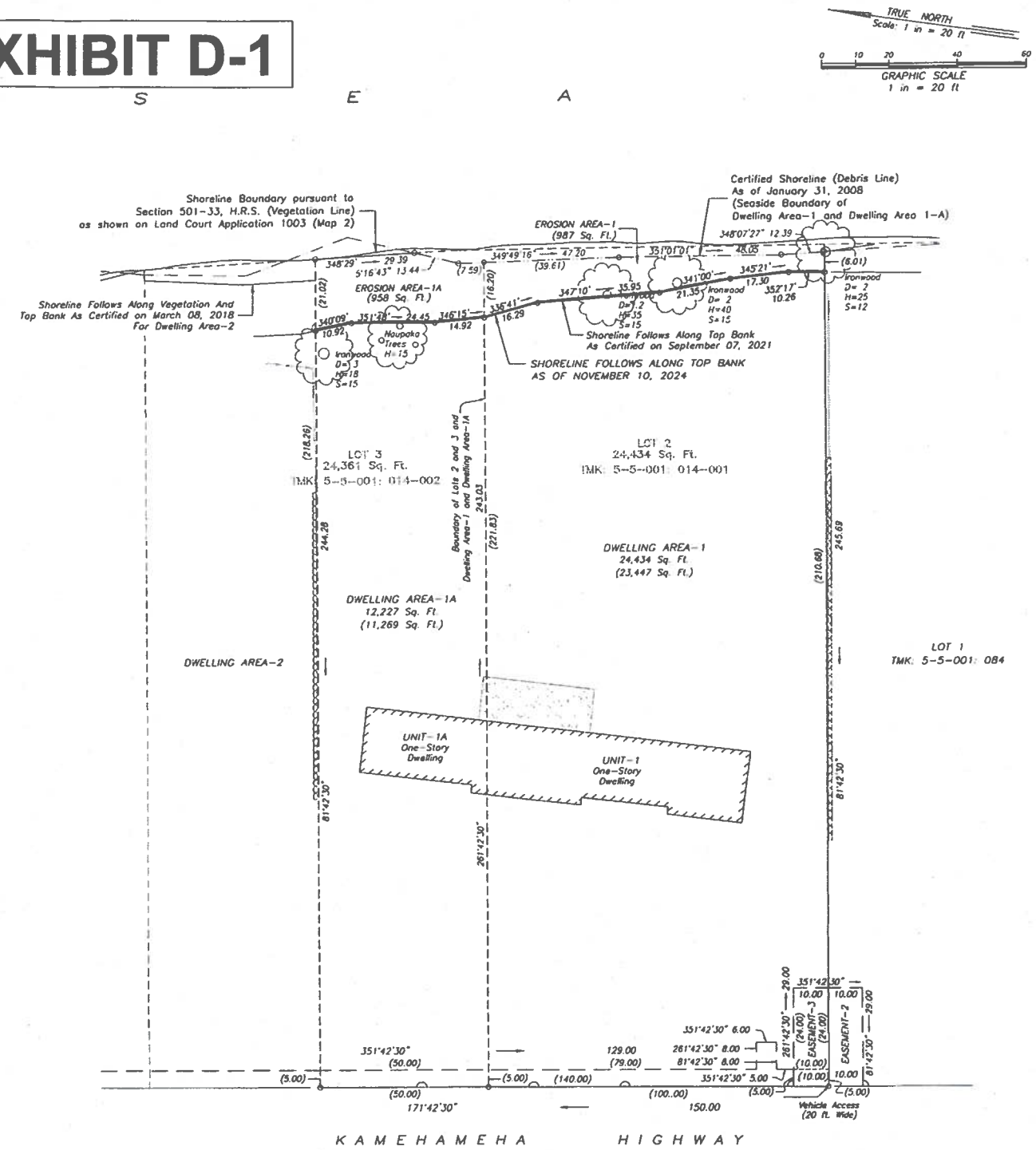
REVISION	NO
8/4/2021 DPP	1
9/30/2021 DPP	2
11/10/2021 DPP	3
10/15/2022 OWNER	4
	5
	6

Drawn by
Date
Drawing No
P002

17 of 17 Sheets

EXHIBIT D-1

S E A



DISCLOSURES:

1. This map of the Condominium Project is intended only to show the layout, location, unit number and dimensions of the units, and to state the name of the condominium, as required by Section 514B-12, Hawaii Revised Statutes, as amended, and is not intended and shall not be deemed to contain any representation or warranty whatsoever.
2. The bold dashed lines separate the limited common element land area for each unit and is not intended to represent a legally subdivided lot.

NOTE:

Azimuths are referred to Government Survey Triangulation Station "KAIPAPAU".

LEGEND:

- Vehicle Access Permitted
- No Vehicle Access Permitted

This work was prepared by me or under my supervision

GIL P. BUMANGLAG
Licensed Professional Land Surveyor
Certificate Number 8948
Exp. 4/30/2026

OIL P BUMANGLAG LICENSED PROFESSIONAL LAND SURVEYOR No. 8948 HAWAII, U.S.A.

MAP SHOWING PROPOSED SHORELINE
FOR DWELLING AREA-1 AND DWELLING AREA-1A
CONDOMINIUM MAP NO. 2057 (AMENDED) FOR
"MAHAKEA"
BEING LOTS 2, 3, AND 4
BEING A PORTION OF DEREGISTERED LOT 1 OF
LAND COURT APPLICATION 1003 (MAP 2)
Tax Map Key: (1) 5-5-001: 014 CPR 001 & CPR 005
AT LAIE, KOOLAULOA, OAHU, HAWAII

FEE OWNER: 55-133 LLC
ADDRESS: 44 MEADOWS LOOP
LYLE, WASHINGTON 96836

Site Address: 55-133 Kamehameha Highway
Laie, Hawaii, 96762

The shoreline as delineated in red is hereby certified as the shoreline as of
DEC 1 4 2024

Chairperson, Board of Land and Natural Resources

DATE: NOVEMBER 10, 2024

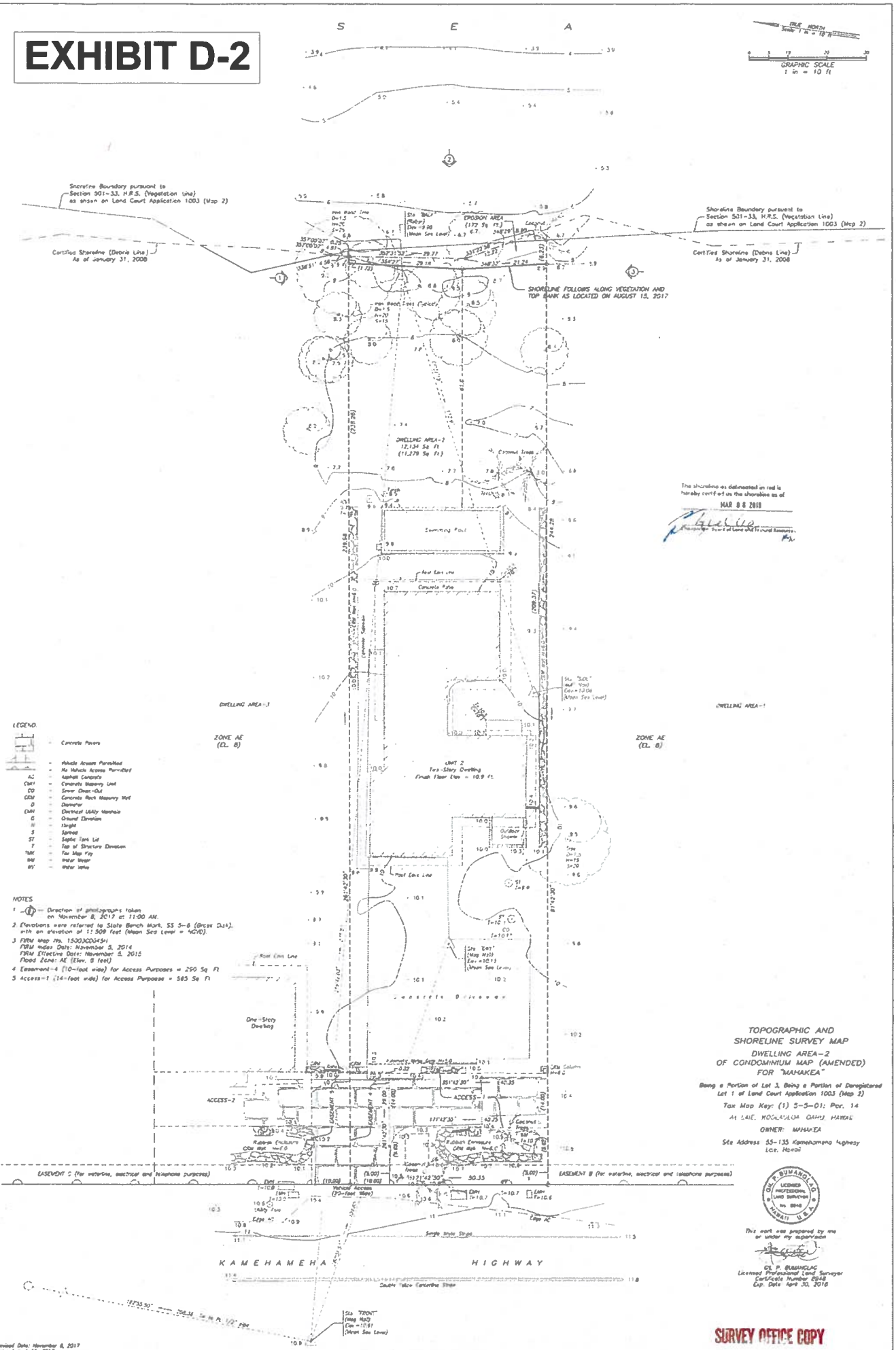
FB No. G-407: 049; 073
c:\SHORE\MAHAKEA AMEND 11-10-2024 SHORE-UNIT-1-SUBMIT

GIL SURVEYING SERVICES, LLC
1442 ULA STREET HONOLULU HAWAII 96816

18" x 24" = 3.0 sq. ft.

SURVEY OFFICE COPY

EXHIBIT D-2



TOPOGRAPHIC AND SHORELINE SURVEY MAP

DWELLING AREA-2
OF CONDOMINIUM MAP (AMENDED)
FOR "MAHAKEA"

Being a Portion of Lot 3, Being a Portion of Deregistered Lot 1 of Land Court Application 1003 (Map 2)

Tax Map Key: (1) 5-5-01: Por. 14

At LAIE, KOOLAULOA, OAHU, HAWAII

OWNER: MAHAKEA

Site Address: 55-135 Kamehameha Highway Laie, Hawaii

GIL P. BUMANGLAG LICENSED PROFESSIONAL LAND SURVEYOR No. 8948 HAWAII, U.S.A.

This work was prepared by me or under my supervision

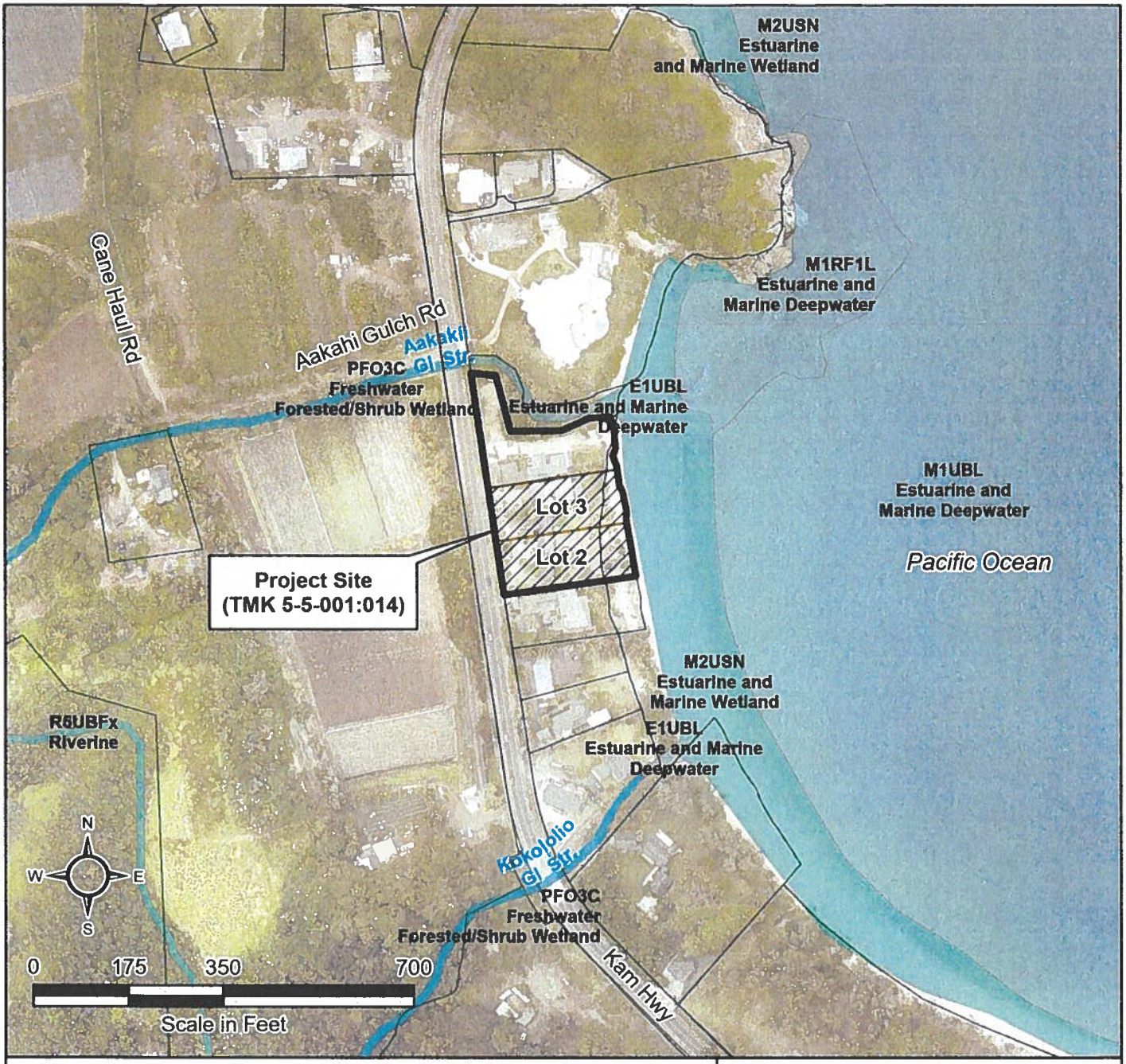
GIL P. BUMANGLAG
Licensed Professional Land Surveyor
Certificate Number 8948
Exp. Date: April 30, 2018

SURVEY OFFICE COPY

Revised Date: November 8, 2017
Date: August 15, 2017
Field Book No. C-487, 649
c:\survey\share\kam-35-135-topo-shoreline-exhd-3

GL SURVEYING SERVICES, LLC
73-1243 LILA STREET, KAILUA-KONA, HAWAII 96740

24" x 36" = 6.5 Sq Ft

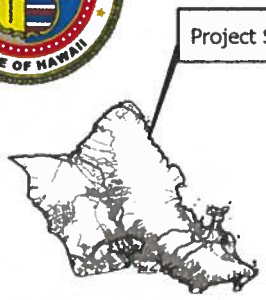


Legend

- Project Site
- Project TAX Parcel
- TAX Parcel
- Regulatory Parcel
- Stream System Names

Wetland Type

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Riverine



VICINITY MAP

Note: Data represented on this map is not intended to replace site survey.

EXHIBIT E

Wetlands Map

FILE NO.: 2025/SMA-2

PROJECT: Rennaker Residence

LOCATION: 55-133 Kamehameha Highway - Lā'ie

TAX MAP KEY: 5-5-001: 014 (Lots 2 and 3)

Prepared by: Department of Planning and Permitting Date: April 7, 2025

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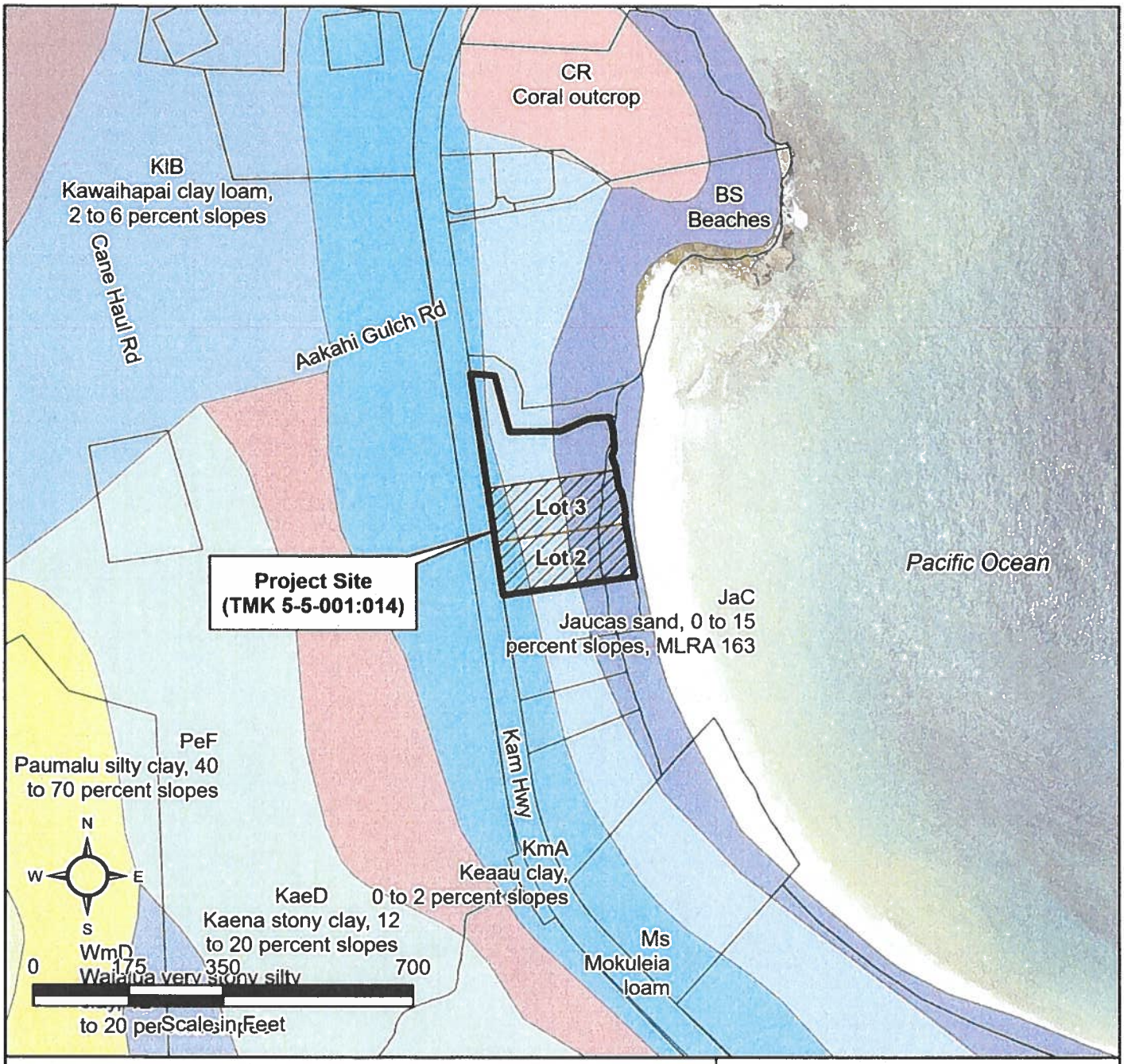
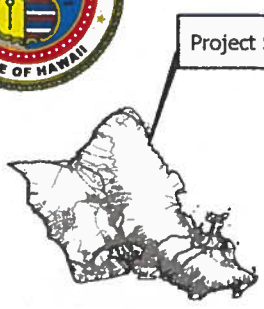


Legend

- Project Site
- Project TAX Parcel
- TAX Parcel
- Regulatory Parcel

NRCS Soil

- BS
- CR
- JaC
- KaeC
- KaeD
- KlB
- KmA
- Ms
- PZ
- PeF
- WmD



VICINITY MAP

Note: Data represented on this map is not intended to replace site survey.

EXHIBIT F

NRCS Soils Map

FILE NO.: 2025/SMA-2

PROJECT: Rennaker Residence

LOCATION: 55-133 Kamehameha Highway - Lā'ie

TAX MAP KEY: 5-5-001: 014 (Lots 2 and 3)

Prepared by: Department of Planning and Permitting Date: April 7, 2025

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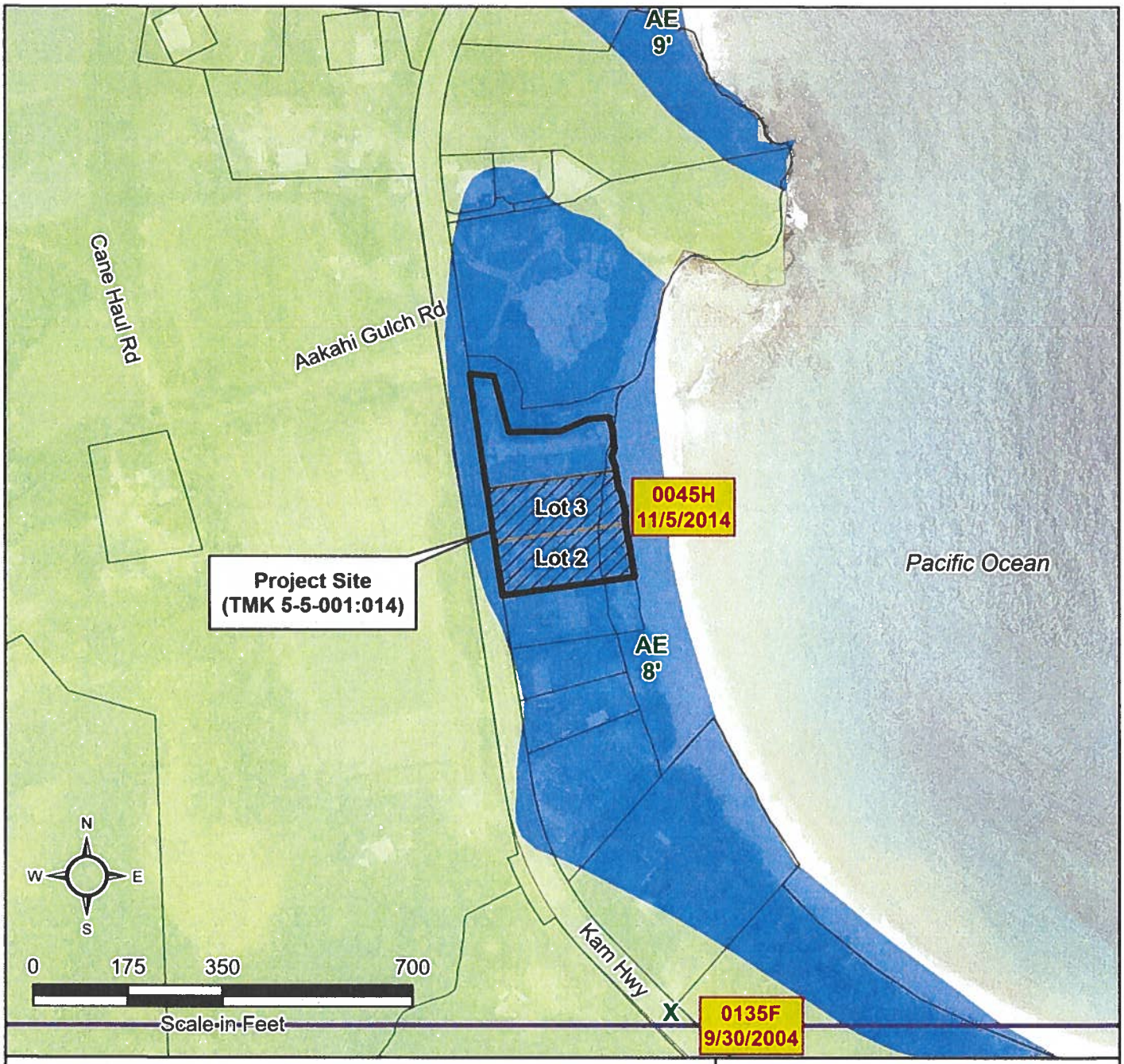
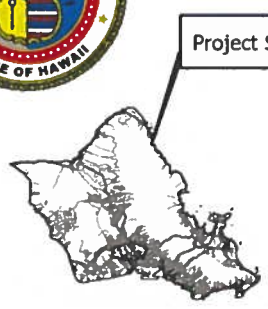


Legend

- Project Site
- Project TAX Parcel
- TAX Parcel
- Regulatory Parcel
- FIRM Flood Panel (Index) 2014

Flood Zones

- AE
- X



VICINITY MAP

Note: Data represented on this map is not intended to replace site survey.

EXHIBIT G

Flood Hazard Areas Map

FILE NO.: 2025/SMA-2

PROJECT: Rennaker Residence

LOCATION: 55-133 Kamehameha Highway - Lā'ie

TAX MAP KEY: 5-5-001: 014 (Lots 2 and 3)

Prepared by: Department of Planning and Permitting Date: April 7, 2025

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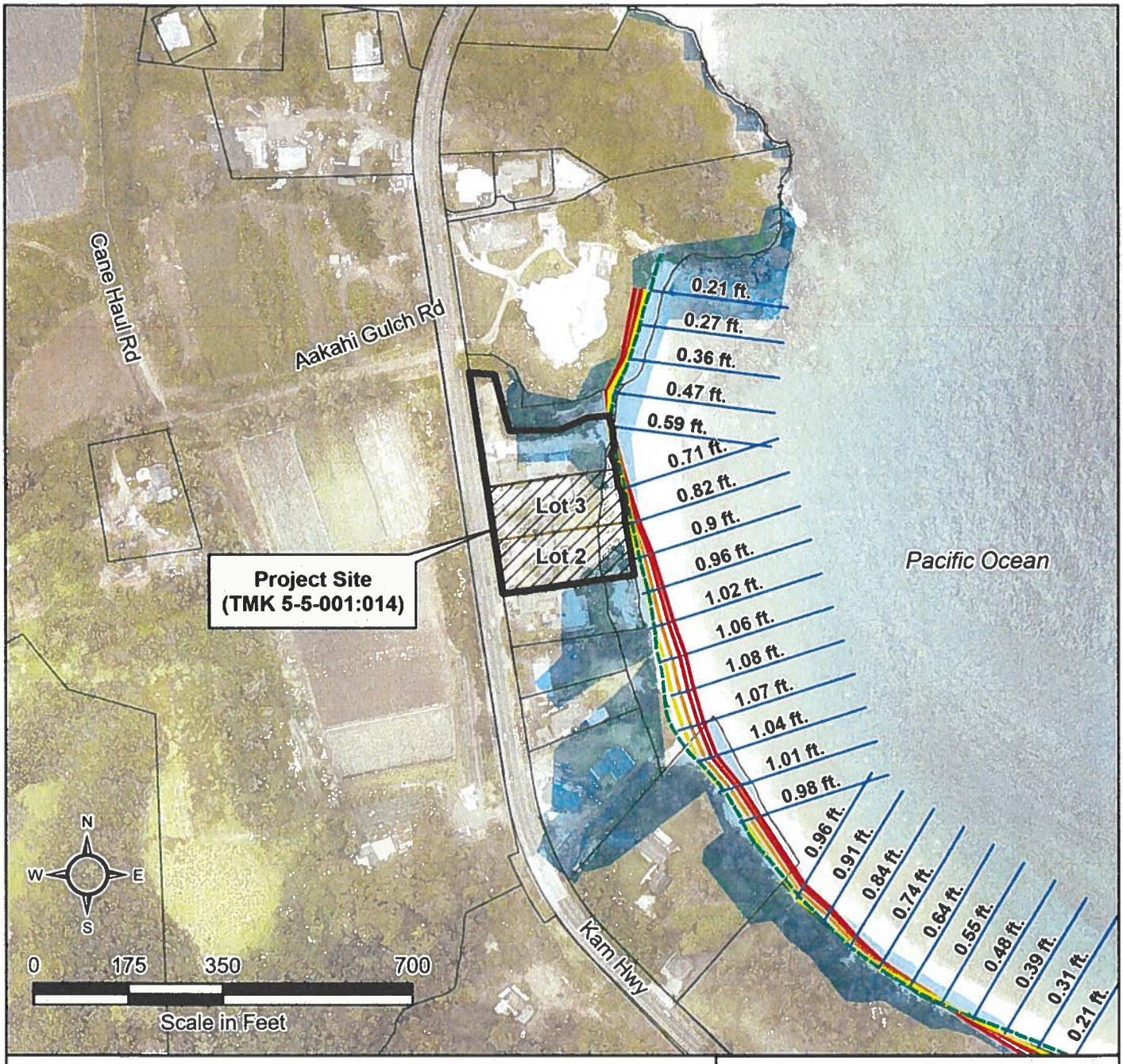

Legend

- Project Site
- Project TAX Parcel
- TAX Parcel
- Regulatory Parcel
- SLR Exposure Area - 3.2 Ft. Scenario
- SLR - Vegetation Line (2005-2008)
- SLR Coastal Erosion (Line) - 0.5 Ft. Scenario
- SLR Coastal Erosion (Line) - 1.1 Ft. Scenario
- SLR Coastal Erosion (Line) - 2.0 Ft. Scenario
- SLR Coastal Erosion (Line) - 3.2 Ft. Scenario

Annual Shoreline Change Rate

- Erosion Rate
- Accretion Rate

VICINITY MAP

Note: Data represented on this map is not intended to replace site survey.

EXHIBIT H

Sea Level Rise Map

FILE NO.: 2025/SMA-2

PROJECT: Rennaker Residence

LOCATION: 55-133 Kamehameha Highway - Lā'ie

TAX MAP KEY: 5-5-001: 014 (Lots 2 and 3)

Prepared by: Department of Planning and Permitting Date: April 7, 2025

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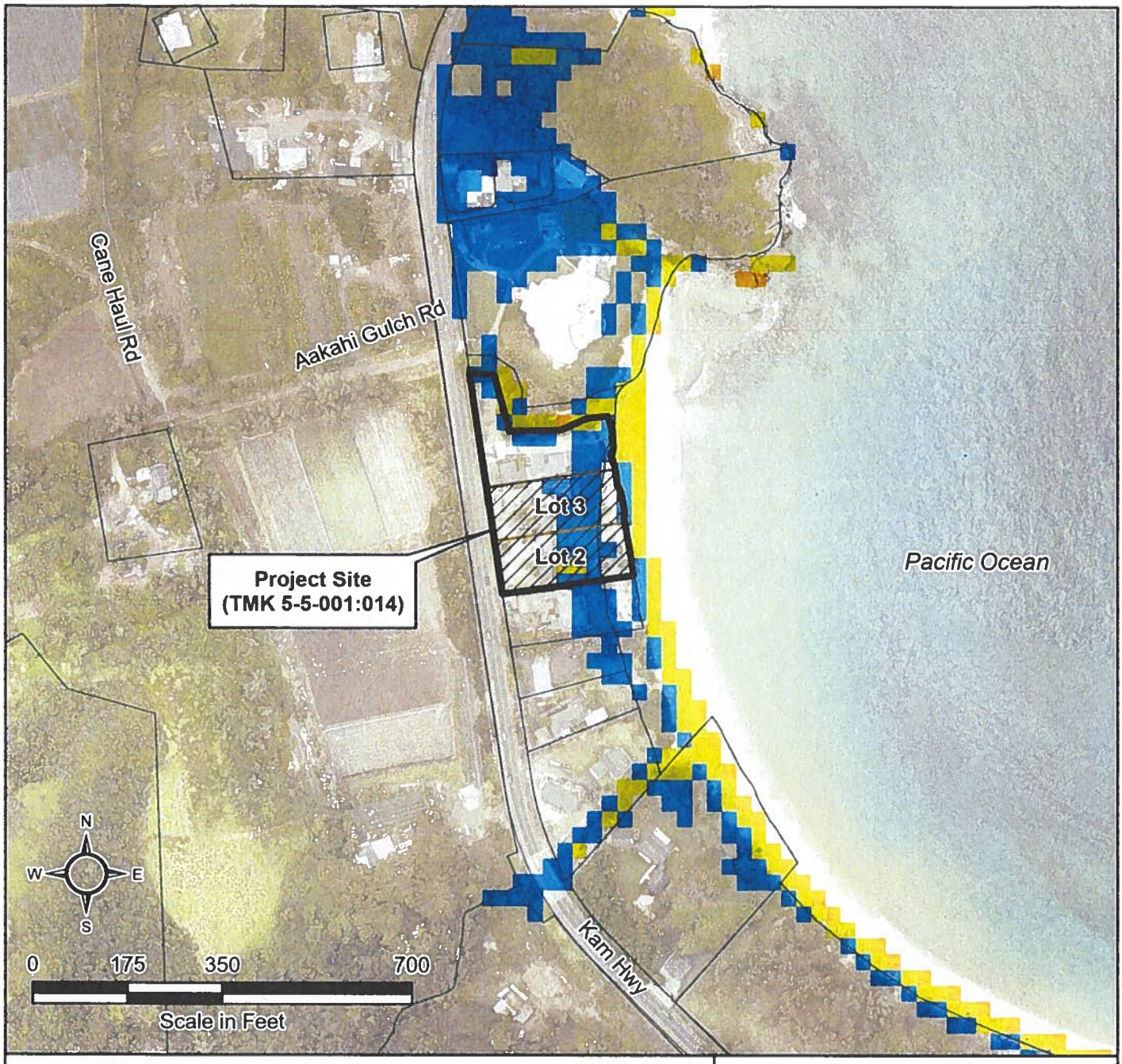

Legend

- Project Site
- Project TAX Parcel
- TAX Parcel
- Regulatory Parcel

Storm Surge during a Category 4 Hurricane Event

- Less than 3 feet above ground
- Greater than 3 feet above ground
- Greater than 6 feet above ground
- Greater than 9 feet above ground

VICINITY MAP

Note: Data represented on this map is not intended to replace site survey.

EXHIBIT I

Storm Surge Map

FILE NO.: 2025/SMA-2

PROJECT: Rennaker Residence

LOCATION: 55-133 Kamehameha Highway - Lā'ie

TAX MAP KEY: 5-5-001: 014 (Lots 2 and 3)

Prepared by: Department of Planning and Permitting Date: April 7, 2025

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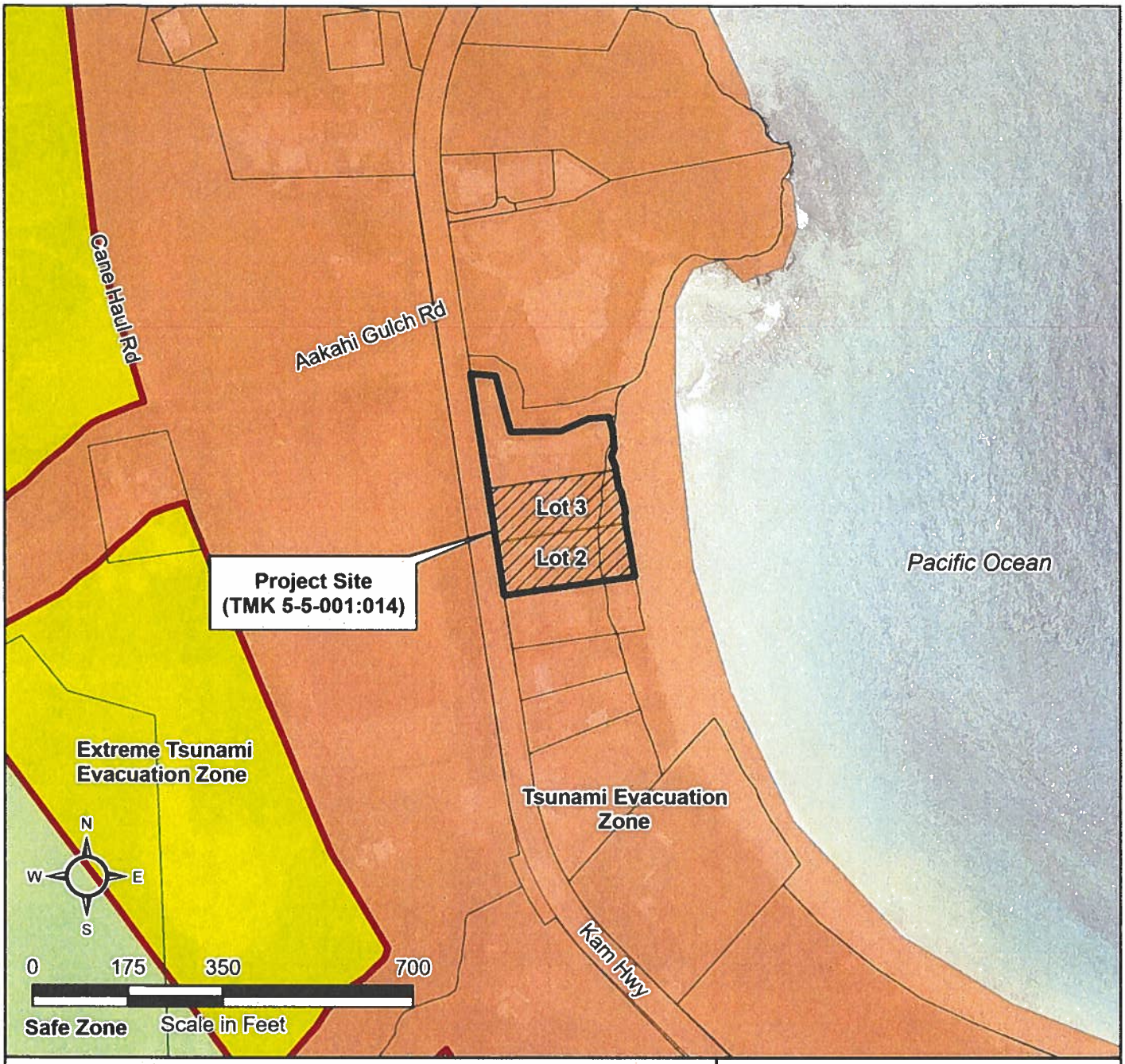
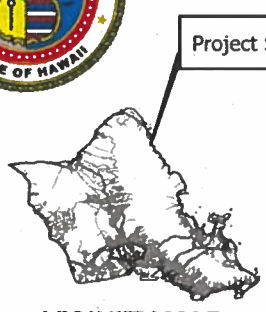


Legend

- Project Site
- Project TAX Parcel
- TAX Parcel
- Regulatory Parcel
- Tsunami Evacuation Boundary Line 2015
- Tsunami Evacuation Zone
- Extreme Tsunami Evacuation Zone
- Safe Zone



VICINITY MAP

Note: Data represented on this map is not intended to replace site survey.

EXHIBIT J

Tsunami Evacuation Zone Map

FILE NO.: 2025/SMA-2

PROJECT: Rennaker Residence

LOCATION: 55-133 Kamehameha Highway - Lā'ie

TAX MAP KEY: 5-5-001: 014 (Lots 2 and 3)

Prepared by: Department of Planning and Permitting Date: April 7, 2025

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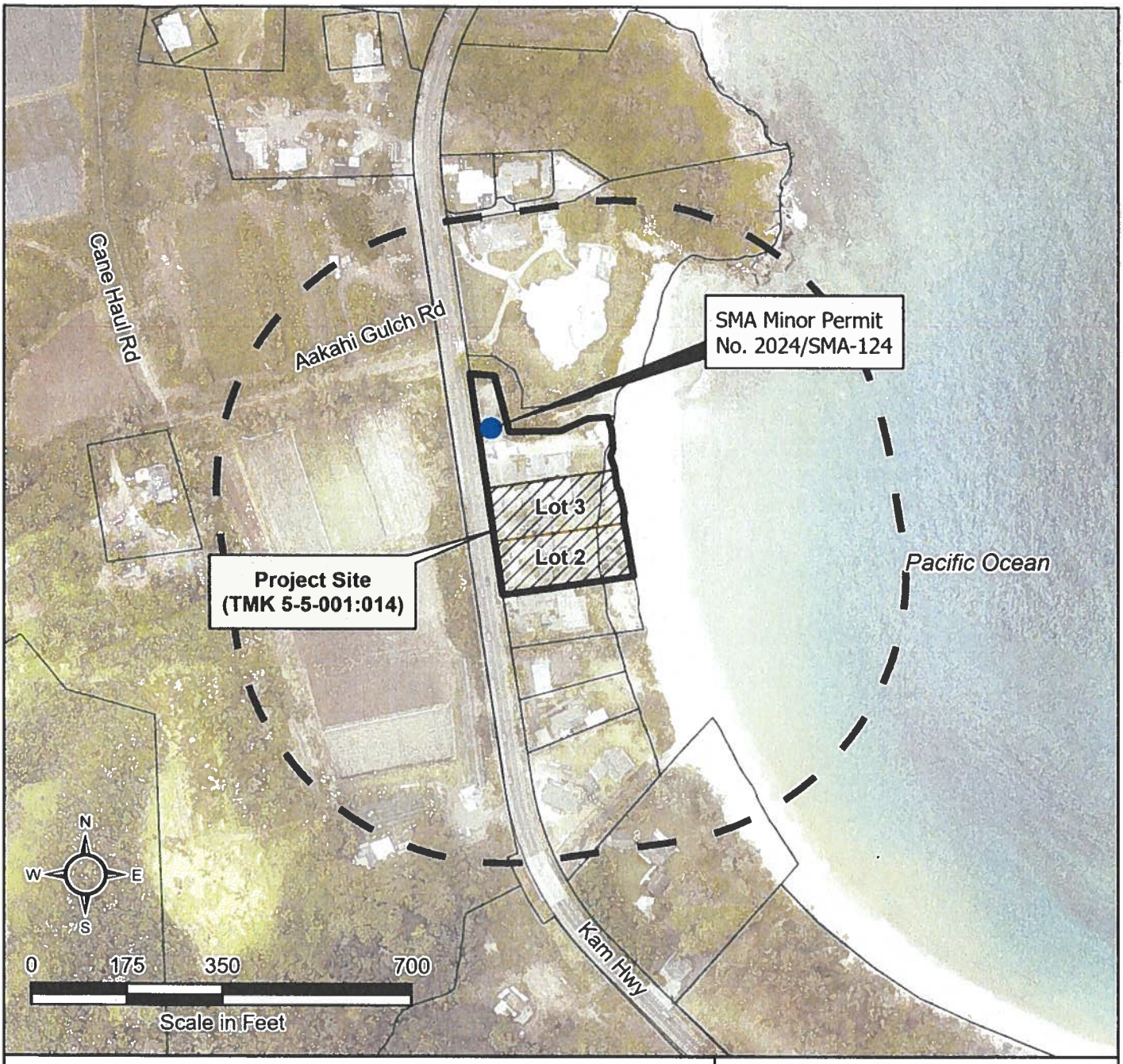
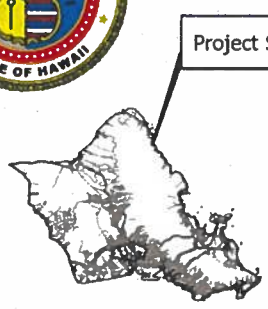


Legend

- Project Site
- Project TAX Parcel
- TAX Parcel
- Regulatory Parcel
- Within 500 feet of the Project Site
- Cumulative Projects



VICINITY MAP

Note: Data represented on this map is not intended to replace site survey.

EXHIBIT K

Cumulative Projects Map

FILE NO.: 2025/SMA-2

PROJECT: Rennaker Residence

LOCATION: 55-133 Kamehameha Highway - Lā'ie

TAX MAP KEY: 5-5-001: 014 (Lots 2 and 3)

Prepared by: Department of Planning and Permitting Date: April 7, 2025

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