

**STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES OFFICE OF
CONSERVATION AND COASTAL LANDS
Honolulu, Hawaii**

November 14, 2014

ENF: OA-14-50

**Board of Land and
Natural Resources
State of Hawaii
Honolulu, Hawaii**

REGARDING: Unauthorized repair of a seawall in the Conservation District Resource Subzone

LANDOWNER: LTC Winston M. Marbella

LOCATION: Pūpū Place, Ewa District, Island of Oahu, Hawaii

TMK: (1) 9-1-027:016

AREA OF PARCEL: 6215 sq. ft.

AREA OF USE: ~700 sq. ft.

SUBZONE: RESOURCE

DESCRIPTION OF AREA:

The subject property is a shoreline parcel located at 91-447 Pūpū Place in Ewa Beach on the Island of Oahu (**Exhibit 1**). The parcel has approximately 65-feet of shoreline frontage and is part of the western-most development in Ewa Beach located east of, and adjacent to, One`ula Beach Park. The parcel includes an existing residential structure (built in the 1960's), similar to the other neighboring residential parcels. All of the parcels located along Pūpū Place were built on top of an elevated limestone bench that extends seaward (*makai*) into the ocean, and have *makai* property boundaries that undulate in line with the existing rocky shoreline (**Exhibit 2**). The limestone bench has an approximate elevation of 6-7 feet above sea level (asl).

The subject property *makai* boundary includes a small indent/cove in the center of the lot which is flanked by two promontories of the limestone bench on either side; therefore, wave run-up is exacerbated by the funneling of water through the rocky shoreline. The neighboring parcels to the subject property have constructed large seawall structures for protection from high wave events, both of which extend further and higher than the subject seawall structure (**Exhibit 3**).

While the subject parcel is not located in the Conservation District, it does border the shoreline; lands situated *makai* of the shoreline are considered to be within the State Land Use (SLU) Conservation District *Resource* Subzone. On *August 19, 2014*, staff from the State Department of Land and Natural Resources *Office of Conservation and Coastal Lands* (OCCL) visited the subject parcel, neighboring parcels and shoreline area to evaluate the site and the existing wave conditions during an average diurnal high tide. It was found that most, if not all, of the shoreline properties located along Pūpū Place have some form of hardened shoreline structure in place; including the nearby *City and County of Honolulu* managed shoreline access right-of-way (**Exhibit 4**) which provides limited access to the limestone bench area. Additionally, during the site visit staff observed waves sending water over the existing wall structures of the subject property (**Exhibit 5, 5a**).

ALLEGED UNAUTHORIZED LAND USES:

This enforcement action is being pursued due to the alleged unauthorized reconstruction of an existing seawall structure, a portion of which is located seaward (*makai*) of the property according to survey maps and historical evidence. The portion of the seawall reconstruction project that was completed *makai* of the shoreline lies within the State Land Use Conservation District, Resource Subzone.

Historical Alleged Unauthorized Construction:

There is a long history of shoreline development on the subject property, although evidence for *State* or *County* authorization and approvals is non-existent. Listed below is the information obtained by this office relating to the shoreline structure:

1. A review of historical photographs of the subject parcel indicates that some form of a seaward wall type structure was existing on the property in 1967 (**Exhibit 6**);
2. A shoreline certification, completed in 1971 for an addition to the SFR, indicates that an "existing tile wall" was located in the survey, and appears to be comparable to the wall shown in the 1967 photograph (**Exhibit 7**);
3. A photograph of the site from 1986, provided by the CCH-DPP, (**Exhibit 8**) reveals that no walls are present *makai* of the residence; it is possible that the existing wall that was shown in previous photographs and surveys was buried or removed;
4. Photographs of the site from the 1990's show that the owner of the property at that time constructed a retaining wall/seawall structure sometime between 1995 (**Exhibit 9**) and 1997 (**Exhibit 10**). The location of the wall in the 1997 photograph indicates that the current wall structure (**Exhibit 11**) is in approximately the same location and orientation as the original wall constructed between 1995 and 1997.

It should be noted that no record of any building permit, approval or authorization are on file with either the CCH-DPP or the OCCL for the original construction of the wall during the 1990's. Typically a shoreline landowner who requests approval to conduct repairs, reconstruction, and/or maintenance to an existing shoreline erosion control structure must go through an regulatory process between, in this case, the *City and County of Honolulu Department of Planning & Permitting* and the *Department of Land and Natural Resources* (DLNR). The landowner must first obtain a Shoreline Certification to determine the official location of the shoreline; from that the landowner can apply for, or determine, the Shoreline Setback Variance (SSV) which will assist in the siting of the shoreline erosion control structure. Additionally the location of the shoreline determines jurisdiction between the *County* and *State* which dictates the specific regulatory requirements for each agency. This process is in place to provide transparency concerning project details, environmental impacts and projected outcomes or objectives, and to make sure that the work is conducted in manner conducive for the health of Hawaii's coastal areas.

ANALYSIS:

The department and Board of Land and Natural Resources has jurisdiction over land *makai* of the shoreline as evidenced by *the upper reaches of the wash of the waves other than storm and seismic waves, at high tide during the season of the year in which the highest wash of the waves occurs, usually evidenced by the edge of vegetation growth, or the upper limits of debris left by the wash of the waves*, pursuant to Hawaii Revised Statutes (HRS) §205A-1.

On September 23, 2013 the *City and County of Honolulu Department of Planning and Permitting* (CCH-DPP) issued a Notice of Violation to the landowner of the subject parcel regarding land uses on the *makai* side of the property (**Exhibit 12**). The NOV cites the violation(s) as: *Wooden deck, concrete slab, hot-tub type structure and seawalls constructed in the Shoreline Setback area without a variance*.

The current owner (Marbella) purchased the property in May, 2013, which included the residence, and an existing seawall/retaining wall structure (**Exhibit 13**).

In July, 2013 a large storm event (*Hurricane Flossi*) sent waves crashing over the exiting seawall (**Exhibit 14**), ultimately damaging the *makai* side of the residence and existing wall structure. The owners, worried about their residence, determined that emergency action was necessary to protect the residential structure and therefore proceeded to reconstruct the existing wall (**Exhibit 15**) to provide additional protection from further wave-induced damage and hazards. During this emergency reconstruction project the current property owner (Marbella) was unaware of the appropriate *State* and *County* regulations, permitting, and approval processes necessary to repair the damaged structure that was built by a previous landowner.

After a thorough review of aerial photographs, oblique aerial photographs, historical shoreline/site photographs, and information from the CCH-DPP staff believes that there sufficient evidence that the reconstruction of the previously existing seawall has been

conducted on public trust lands. Based on the information reviewed the OCCL believes there is sufficient cause to bring this matter to the board since it is evident that an unpermitted land use has occurred within the Conservation District Resource Subzone pursuant to the Hawaii Administrative Rules (HAR) §15-15-20 Standards for Determining "C" Conservation District boundaries:

- *It shall include lands having an elevation below the shoreline as stated by §205A-1, HRS, marine waters, fishponds, and tidepools of the State, and accreted portions of lands pursuant to §501-33 HRS, unless otherwise designated on the district maps. All offshore and outlying islands of the State are classified conservation unless otherwise designated on the land use district maps.*

HAR Chapter 13-5, and HRS Chapter 183C, regulates land uses in the Conservation District by identifying a list of uses that may be allowed by a Conservation District Use Permit (CDUP). The chapters also provide for penalties, collection of administrative costs and damages to state land for uses that are not allowed or for which no permit had been obtained.

The penalty range for the unauthorized land uses will be substantially determined based on the type of permit that would have been required, had the current landowner (Marbella) applied to the DLNR to conduct the identified land uses. In this instance there was an existing unauthorized seawall in place prior to the purchase of the property by the current landowner. It wasn't until the current landowner reconstructed the existing wall in 2013 that an enforcement action was initiated by the *State and County*.

Pursuant to Hawaii Administrative Rules (HAR) §13-5-22, P-8, **STRUCTRES AND LAND USES, EXISTING (C-1)** *Moderate alteration of existing structures, facilities, uses, and equipment.*

Under the Penalty Guideline Framework (**Exhibit 16**) these actions are considered "Moderate" since the identified land uses would require a Departmental Permit under the permit prefix "C". This violation follows a penalty range of \$2,000 to \$10,000 plus administrative costs. Therefore under the Penalty Guideline Framework these unauthorized land uses are considered a *Moderate* harm to resources or potential harm to resources.

DISCUSSION:

Coastal development is a serious impediment to protecting and preserving coastal ecosystems, recreation and processes. In this case the subdivision, and subsequent residential development, was created at a time (c. 1958) when mean sea level was at a lower elevation, and coastal erosion, sea level rise and climate change were not necessary attributes for regulatory discussions. Typically, rocky coastlines have lower erosion rates than soft or sandy beaches, leading some to believe that properties at these types of shorelines will not be affected by high tide events or heavy wave action. This notion has led to development, including Single Family Residences, to be built within feet of rocky shorelines and subsequent heavy wave action; it appears that the *makai* construction that

placed this residence within 10-feet of the shoreline was fully approved by the CCH-DPP via their shoreline setback variance process.

The OCCL normally employs a *no tolerance policy* with regards to the unauthorized construction of any type of shoreline erosion control structure. In this instance, however, unusual circumstances have revealed this is a more complex problem than is typically found in these cases. It is clear that the current landowner (Marbella) did not build the original seawall structure; sufficient evidence shows that it existed many years prior to Marbella purchasing the property. Additionally, based on photographic and other historical evidence, the reconstruction of the existing wall structure occurred landward of the original *makai* face (i.e., towards, and into the SLU *Urban* District); the wall was not extended seaward (*makai*) of its original position. However, when the wall was demolished, the shoreline recessed into the property (e.g., wave wash/splash). It is the opinion of the OCCL that the rebuilding of the wall therefore occurred within the Conservation District Resource Subzone.

In shoreline enforcement cases the OCCL aims to rectify the situation by either, 1) recommending removal of the structure, 2) imposing fines, and/or 3) requiring the landowner apply for an after-the-fact (ATF) Conservation District Use Permit (CDUP) through the DLNR. In this case, however, removal would cause more damage to the near shore area, and would severely minimize the protection level that currently exists on the *makai* side of the residence. Additionally, the removal of the structure would not change or improve shoreline access, shoreline recreation, or cultural uses in this area. Given the specific circumstances surrounding this case the OCCL would be willing to allow the current landowner to apply for an ATF permit.

It should be noted that a portion of the unauthorized work occurred landward (*mauka*) of the shoreline and therefore is located within the State Land Use *Urban District*, outside the jurisdiction of the OCCL. The landowner has been working with the CCH-DPP to mitigate the work done in the Urban District portion of the parcel. The CCH-DPP has stated that the complete removal of wood decking and a tub structure would effectively "correct the violation" via CCH regulation and rules; at this time the landowner is planning to comply.

Staff reiterates that while the current landowner allegedly reconstructed an existing erosion control structure within the shoreline area of the subject parcel, it was in direct response to the high energy shoreline and heavy wave action that occurs regularly in this area. As stated above, a majority (if not all) of the residential lots located in the vicinity of the subject property are protected by hard shoreline erosion control structures (i.e., revetments and rock seawalls) (**Exhibit 17**).

If the current landowner is successful in obtaining approval via an ATF CDUP for the existing seawall structure, it should be noted that the landowner would also be required to obtain a Shoreline Easement through the DLNR Land Division for the portion of the improvements that extend seaward of the property boundary.

FINDINGS:

1. *That the landowner did in fact, authorize, cause or allow the reconstruction of a shoreline erosion control structure to occur; and*
2. *That the unauthorized land uses occurred within the State Land Use Conservation District, Resource Subzone.*

As such, staff recommends as follows:

That, pursuant to HRS §183C-7, the Board finds the landowner in violation of HRS §183C-7 and HAR §13-5-6, and is subject to the following:

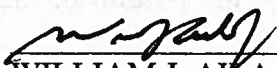
1. The landowner is fined \$2,000 in one instance for violating the provisions of HRS §183C-7, and HAR §13-5-6, for the unauthorized reconstruction of an existing seawall seaward of *TMK: (1) 9-1-027:016* by failing to obtain the appropriate approvals within the Conservation District;
2. The landowner is fined an additional \$250.00 for administrative costs associated with the subject violations;
3. The landowner shall pay all designated fines and administrative costs (\$2,250) within ninety (120) days of the date of the Board's action;
4. The landowner shall complete and submit an After-the-Fact (ATF) Conservation District Use Application (CDUA) and all appropriate documents for the seawall repair project to the OCCL within one-hundred and twenty (180) days of the Board's action;
5. That in the event of failure of the landowner to comply with any order herein, the matter shall be turned over to the Office of the Attorney General (OAG) for disposition, including all administrative costs.

Respectfully submitted,



Alex J. Roy, M.Sc., Planner
Office of Conservation and Coastal Lands

Approved for submittal:



WILLIAM J. ARLA, Jr., Chairperson
Board of Land and Natural Resources

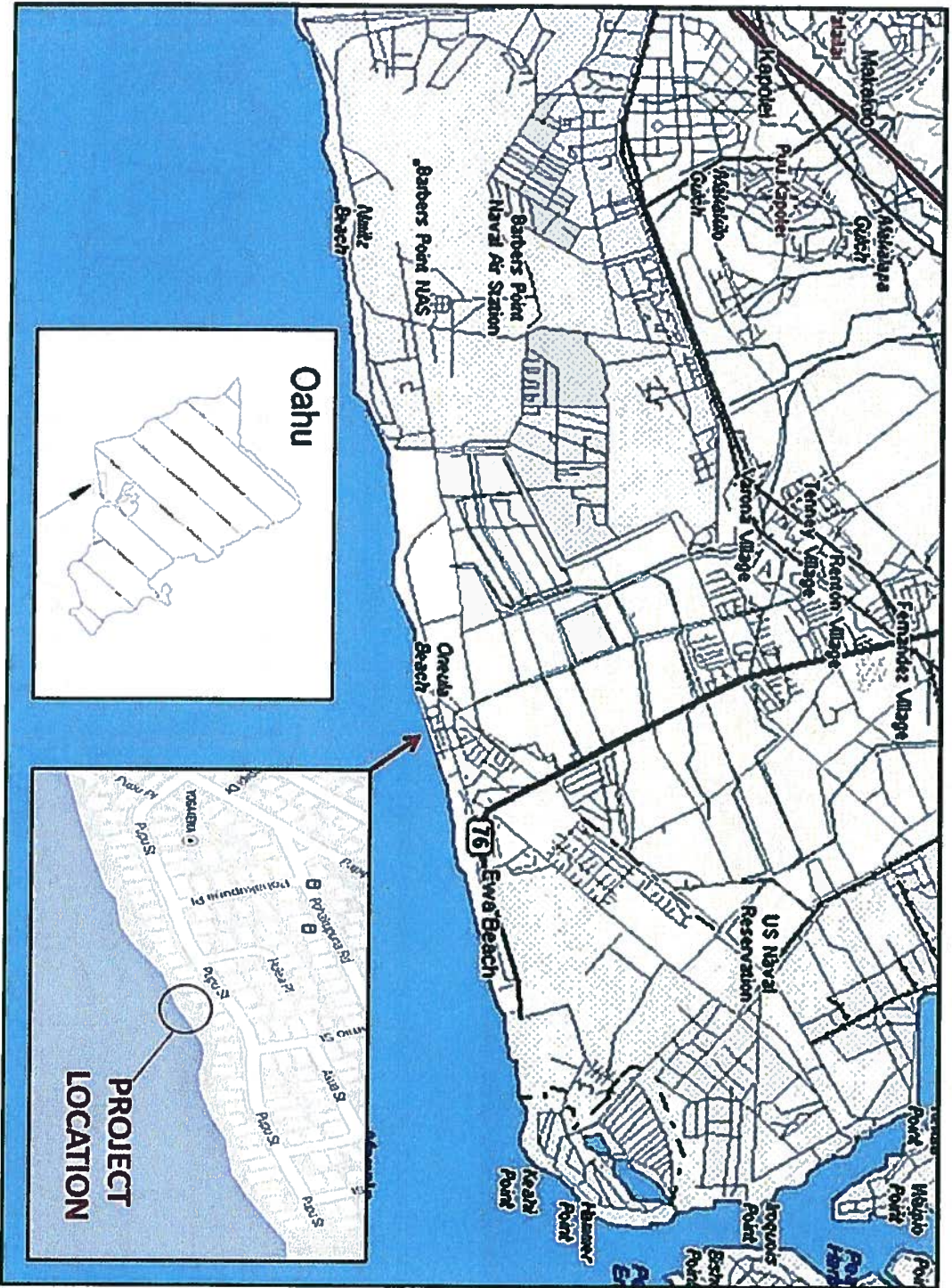


EXHIBIT 1

ENF: 04-14-50



of day
from
minutes

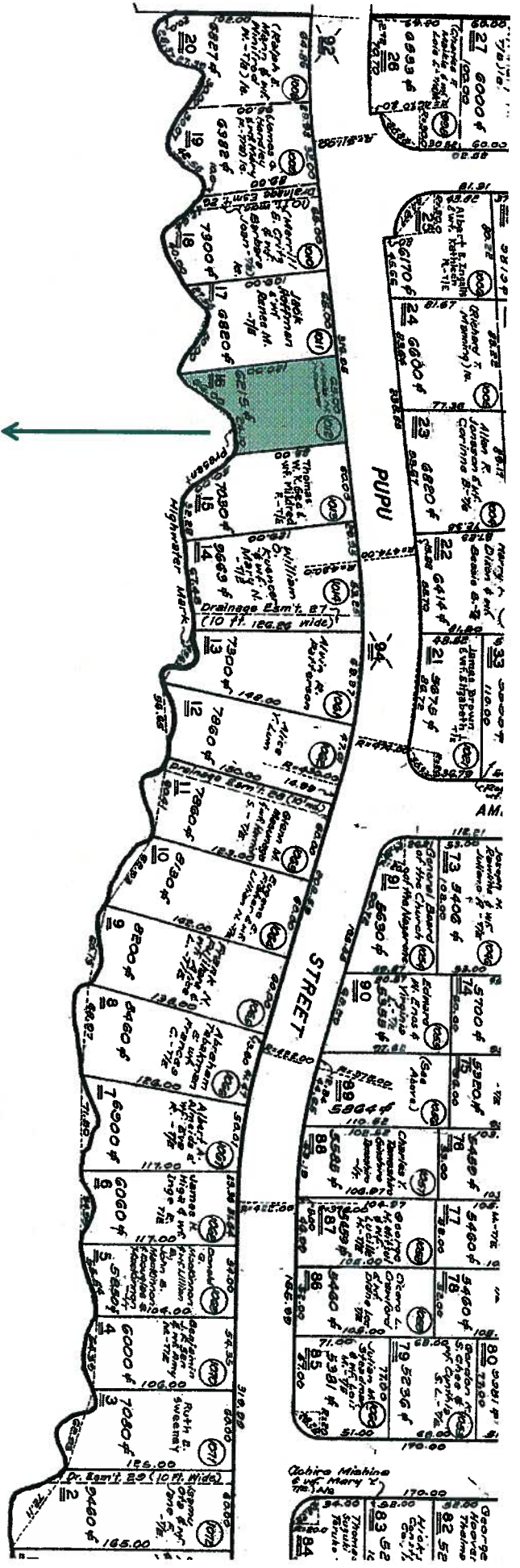


EXHIBIT 2
ENF: 0A-14-50



P.16

EXHIBIT 3
ENF : 04-14-50

please do not
pick up rubbish
please do not

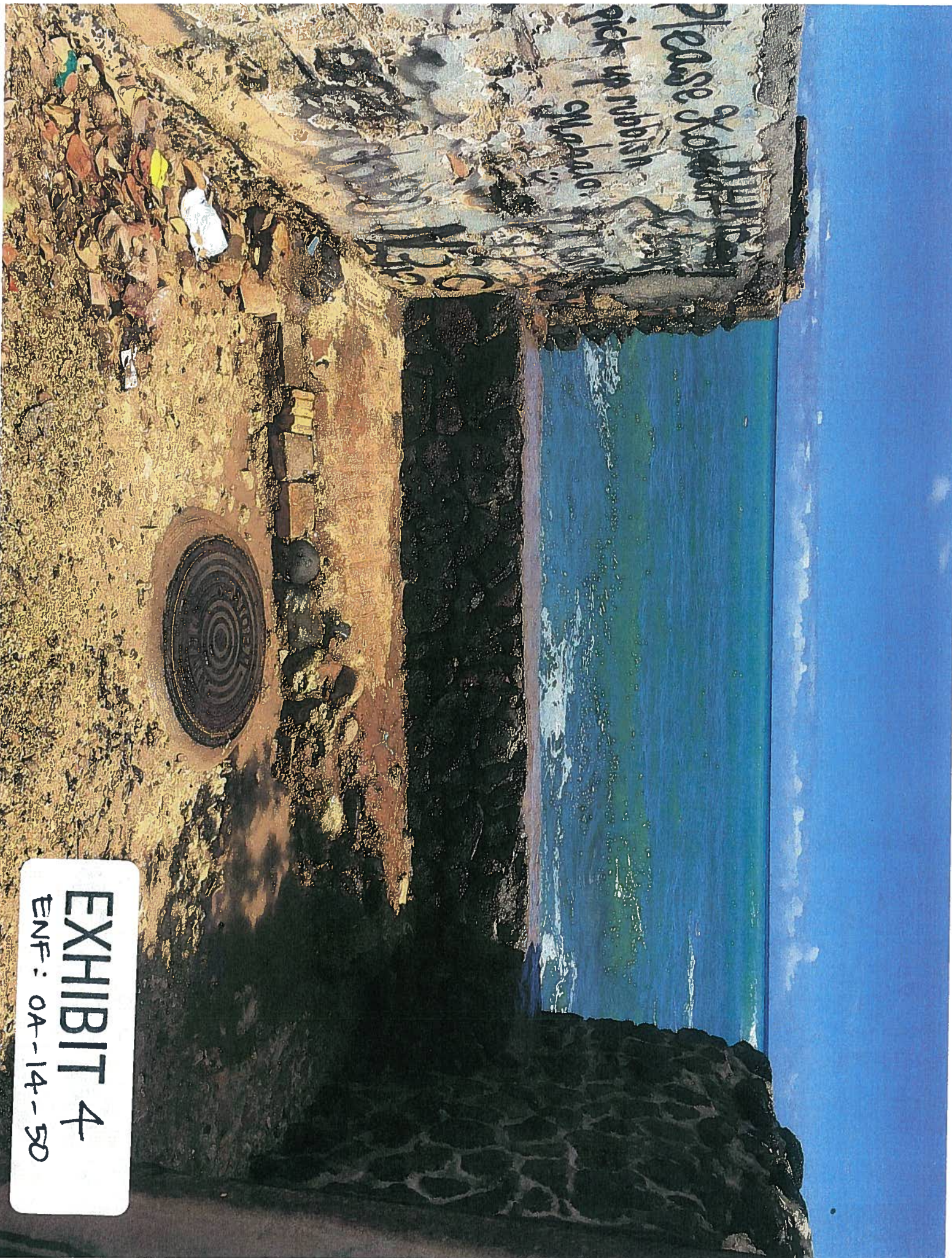


EXHIBIT 4
ENF : 0A-14-50

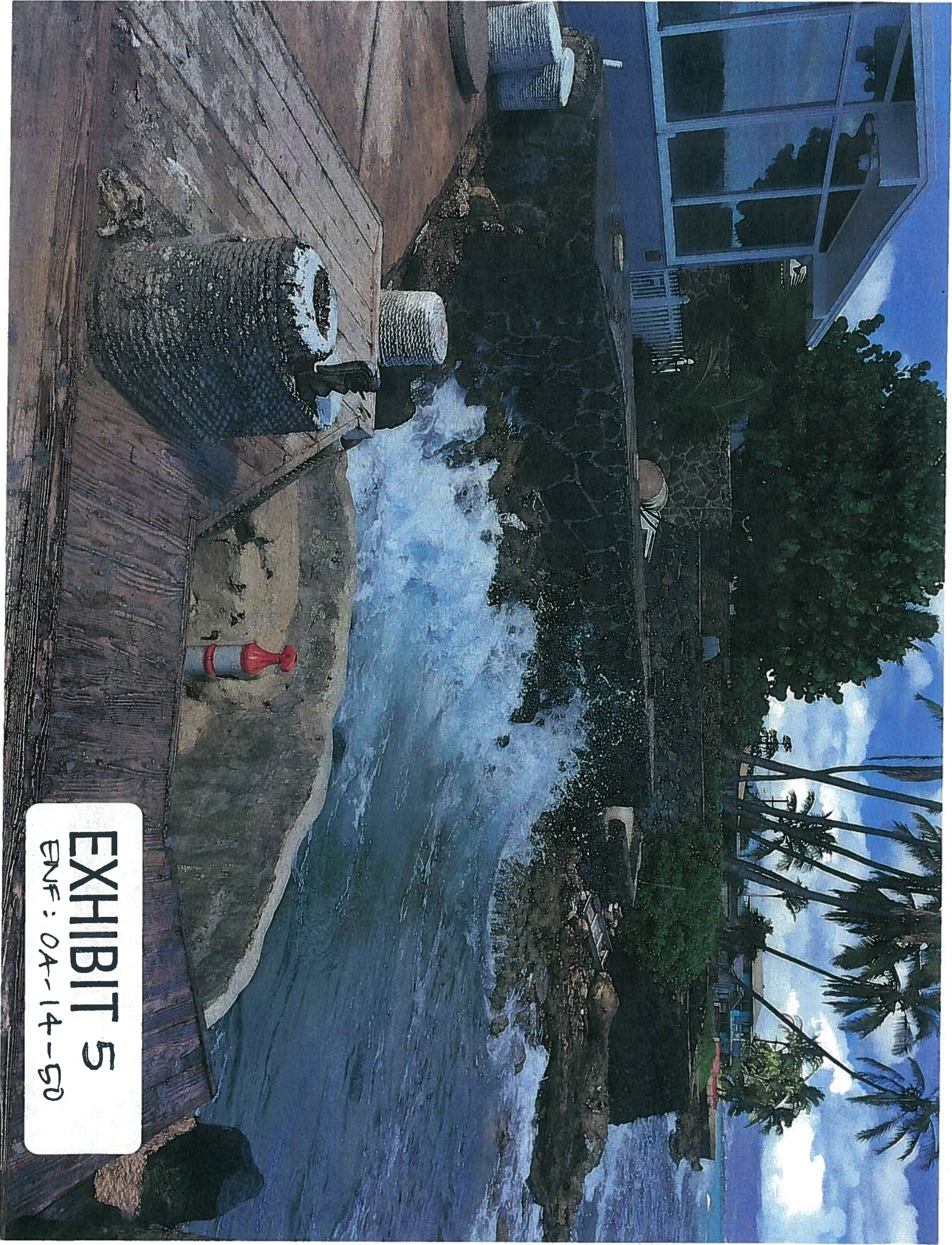
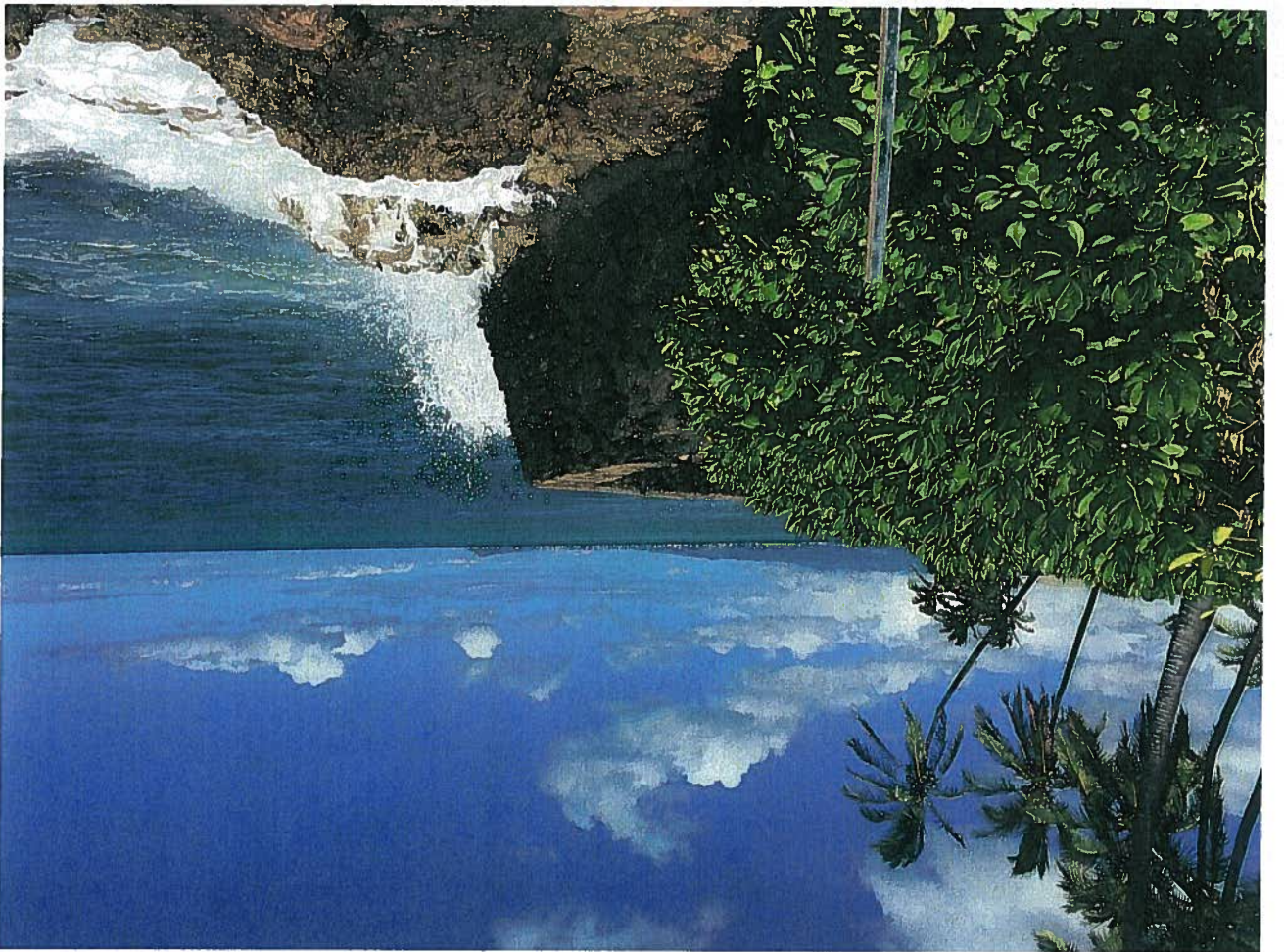
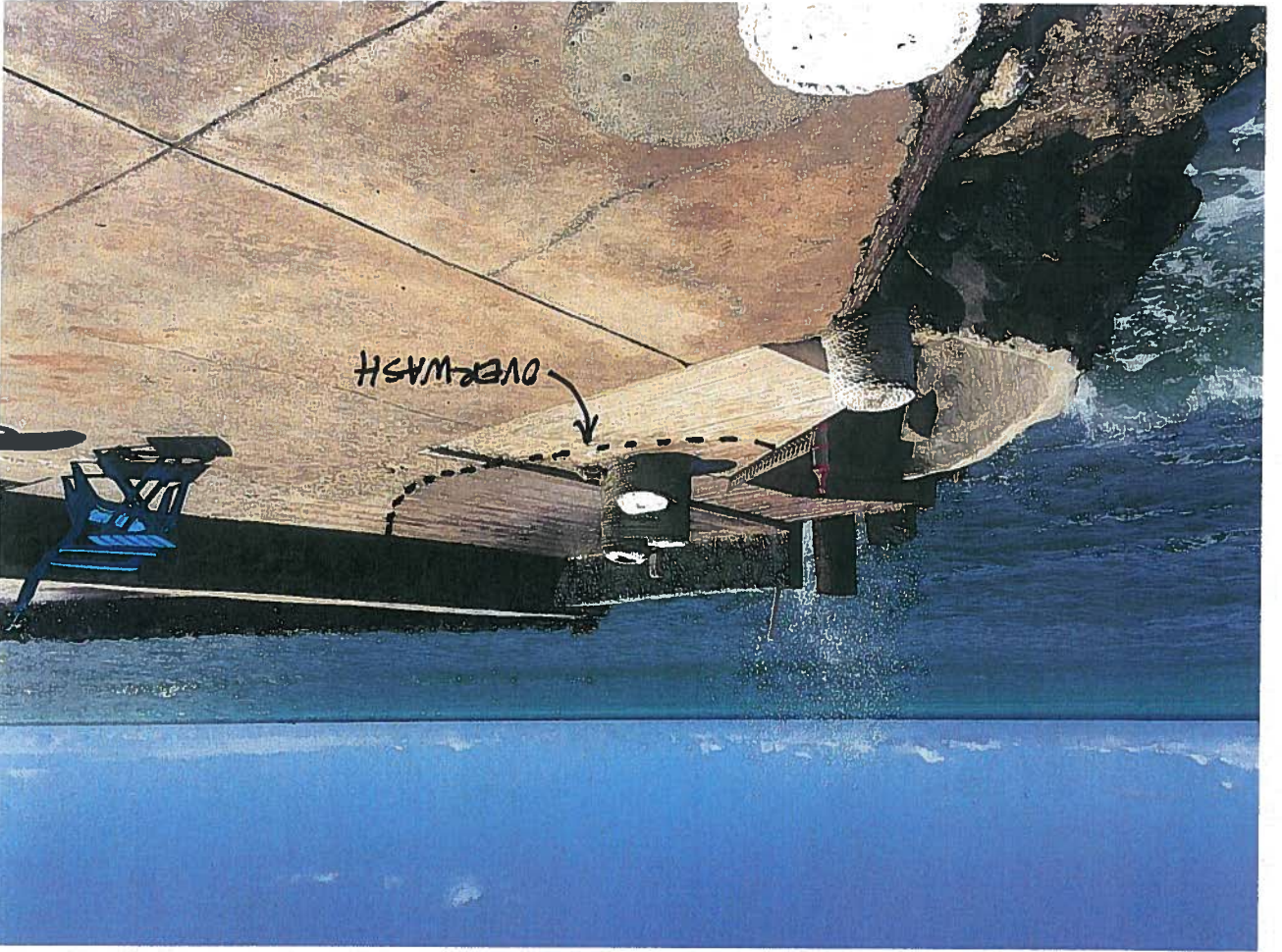


EXHIBIT 5
ENF : 0A-14-50



ENF: 0A-14-50

EXHIBIT 5A



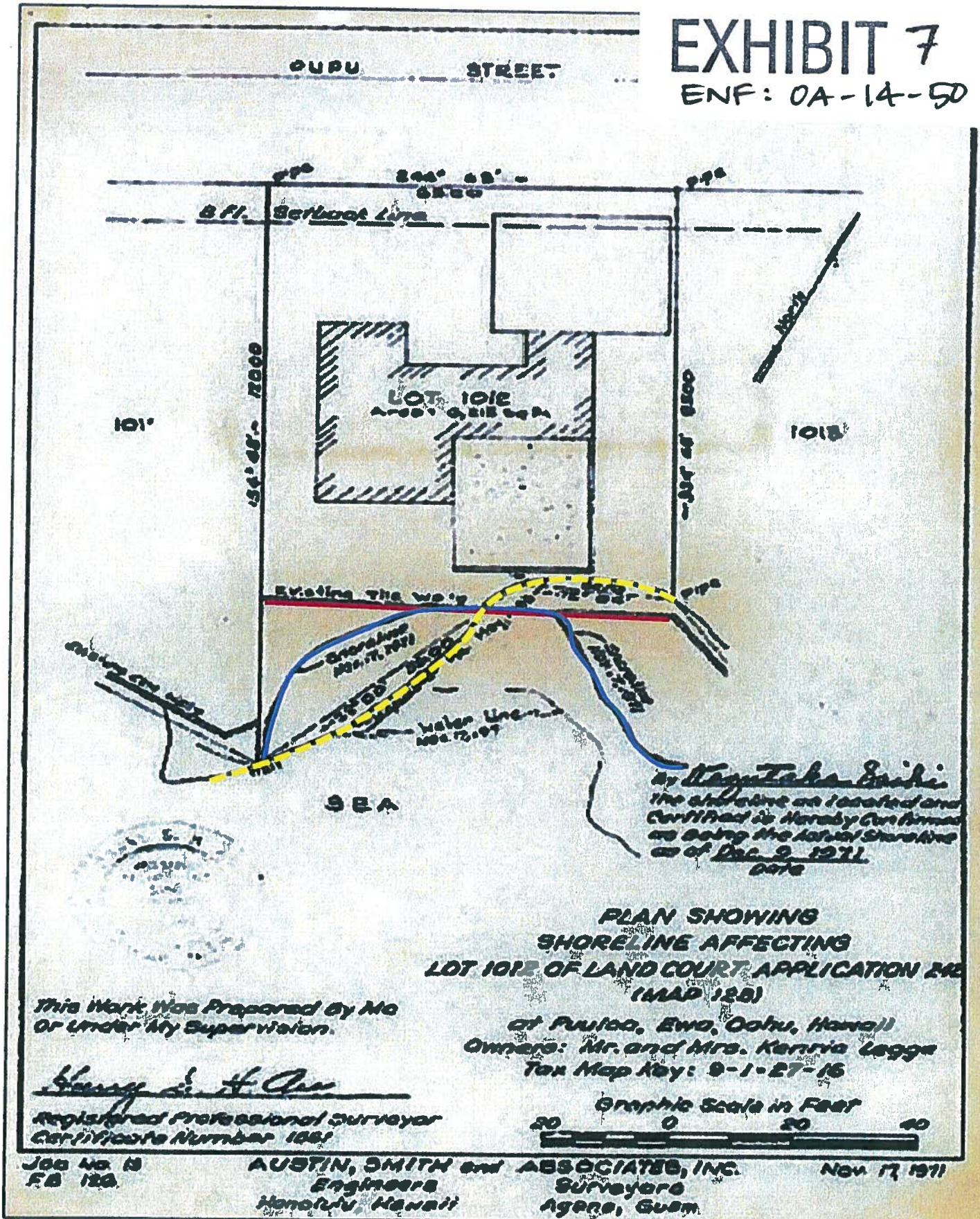
EXHIBIT 6

ENF: OA-14-50

1967 Aerial photograph which shows the approximate location of the "existing tile wall" (inside yellow box).

EXHIBIT 7

ENF: 0A-14-50



1971 Shoreline Survey map; redline demarcates the existing tile wall; yellow dash represents the properties makai boundary, and the blue represent the shoreline as of 1971

ENF: 0A-14-50

EXHIBIT 8

C. 1986



ENF: 0A-14-50

EXHIBIT 9

C. 1995

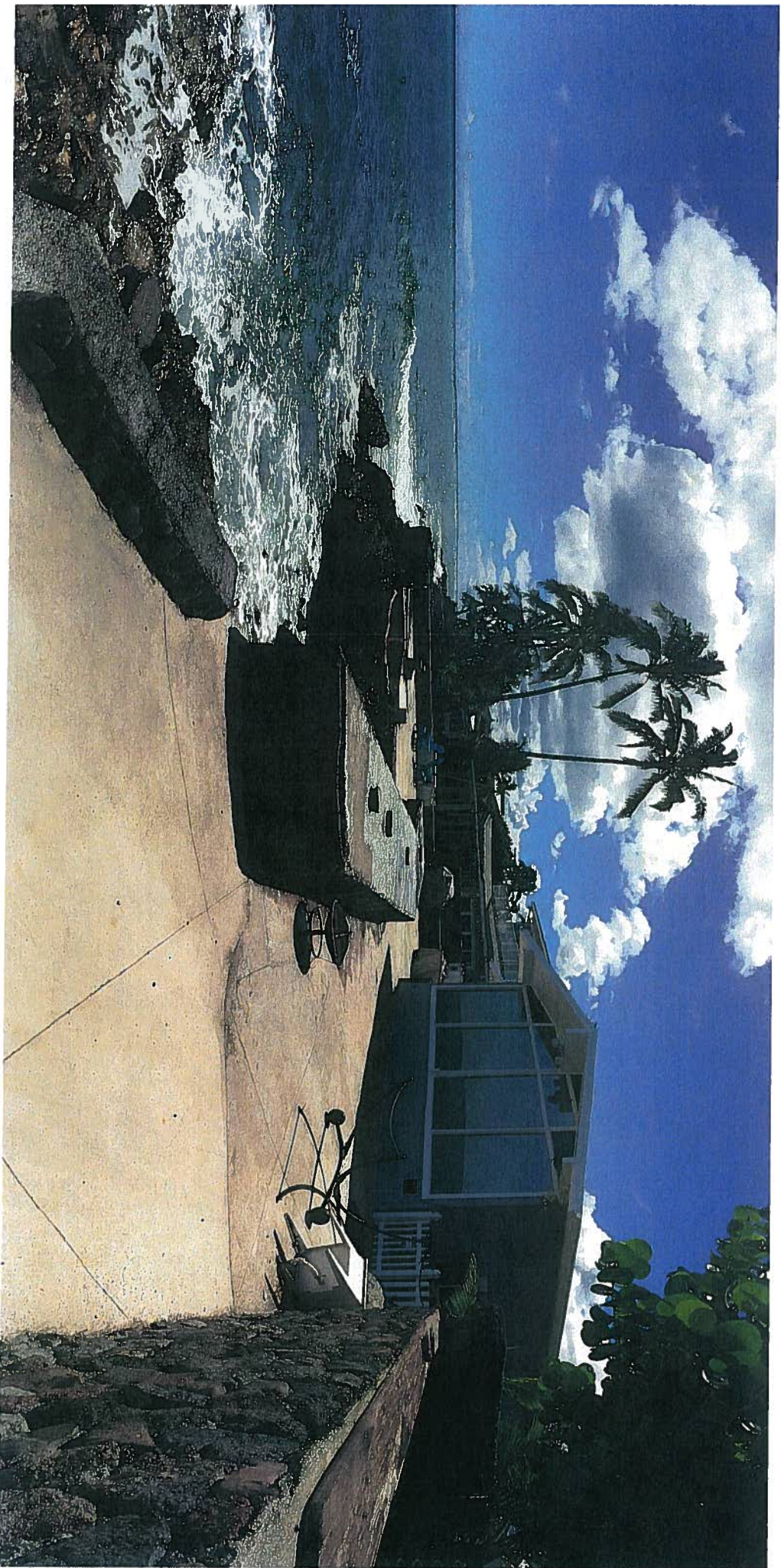


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EXHIBIT 10

c. 1997





ENF : 04-14-50

EXHIBIT 11



Notice of Violation

Violation No.: 2013/NOV-09-124 (SV)

Date: September 24, 2013

Owner(s)

Marbella, Winston M & Maria T
 91-517 Pupu Street
 Ewa Beach, HI 96706

Contractor(s)

Tenant/Violator

Architect/Plan Maker

Lessee

Agent

Engineer

TMK: 9-1-027-016 91-517 PUPU ST Ewa Beach 96706

Specific Address of Violation: 91-517 Pupu Street

I have inspected the above-described premises and have found the following violations of City and County of Honolulu's laws and regulations governing same:

Codes and/or Ordinance(s) and Section(s)	Violation(s)
ROH 1990, as amended, Chapter 23 Section 23-1.5(b)	Wooden deck, concrete slab, hot tub-like structure and seawalls constructed in the Shoreline Setback area without a variance

Please correct the violation within the time specified below.

You are hereby ordered to obtain permit(s) and/or correct violation by October 24, 2013.

Restore the area immediately and complete all work within 30 days from the date of this notice.

Please call the undersigned after the corrections have been made.

You are reminded that if no action is taken within the specified time:

1. A Notice of Order will be issued by the Department of Planning and Permitting imposing CIVIL FINES for the specified violations; and/or
2. This matter may be referred to the Prosecuting Attorney and/or Corporation Counsel for appropriate action.

Special Instructions: if you obtain a variance, you are still required to apply for building permit to correct the above violation.

Inspector: Steve Cheung
 Steve Cheung Phone: 768-8114
 for the Director Department of Planning and Permitting

ENF: 0A-14-50
EXHIBIT 12

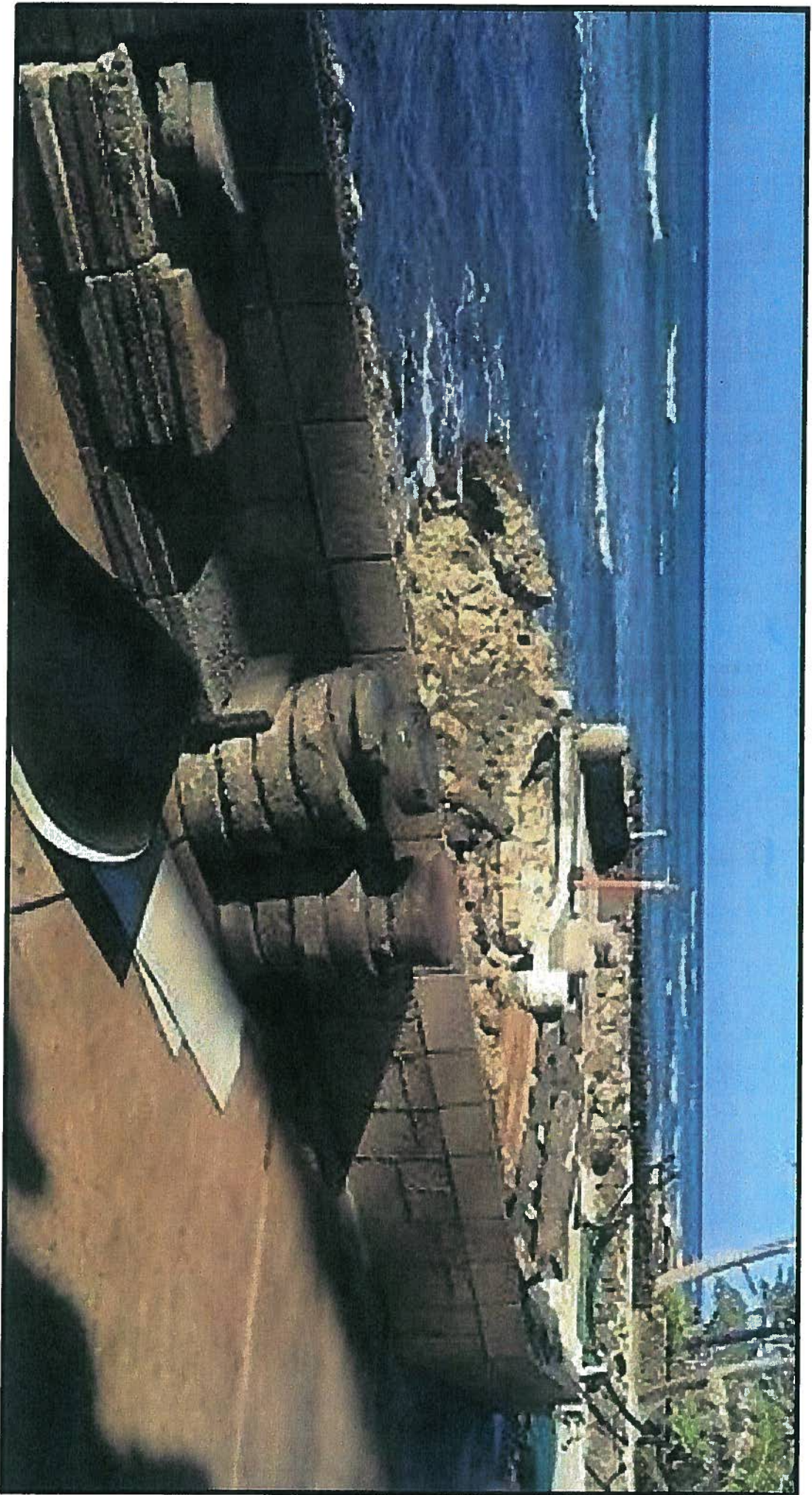


Photo taken June 2013, showing the existing seawall prior to repair

EXHIBIT 13

ENF: 0A-14-50



EXHIBIT 14

ENF : 0A-14-50

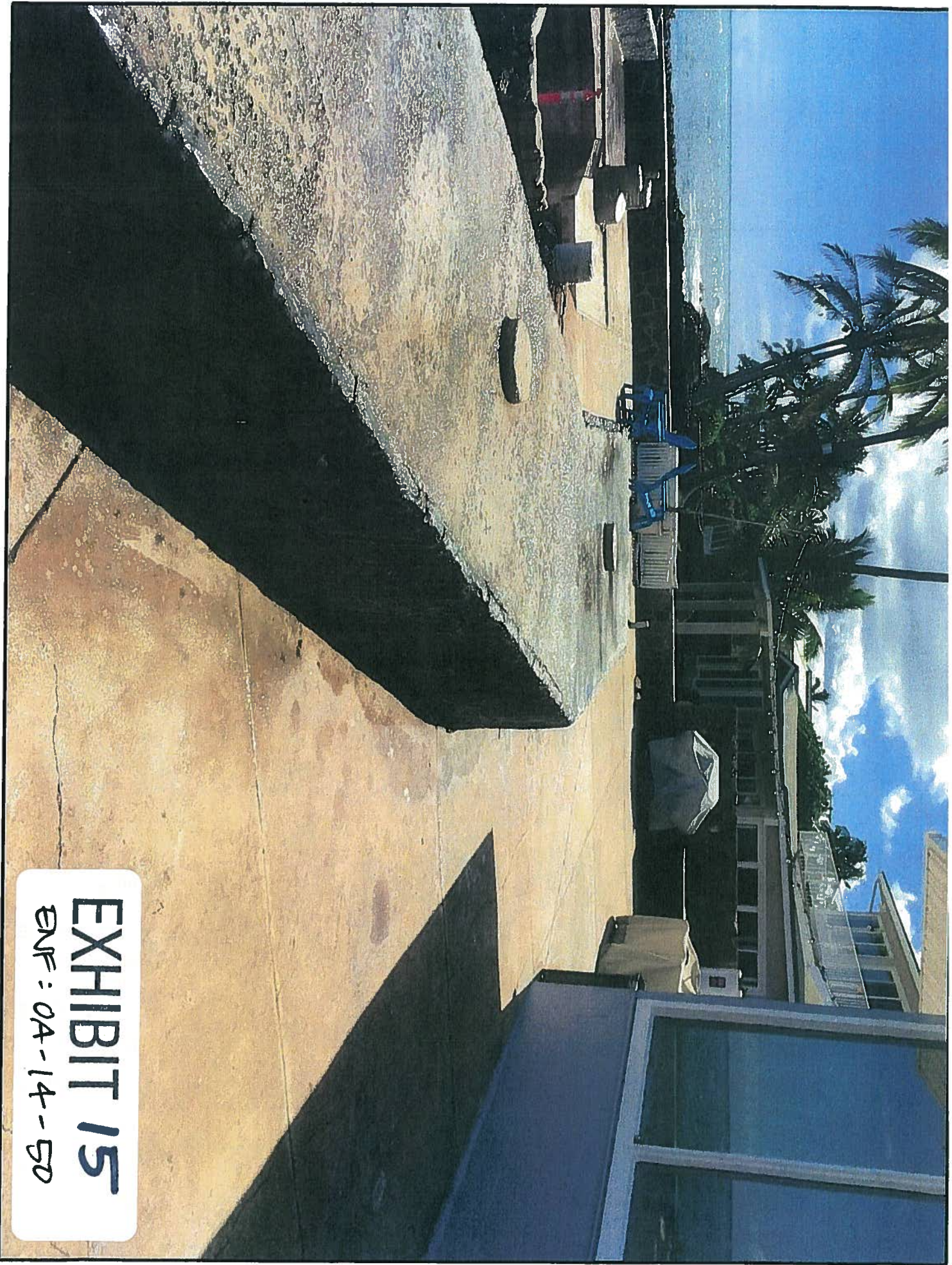


Photo taken August 2014, showing the seawall after repair.

EXHIBIT 15
ENF : 0A-14-50

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CONSERVATION DISTRICT VIOLATION PENALTIES SCHEDULE GUIDELINES AND ASSESSMENT OF DAMAGES TO PUBLIC LAND OR NATURAL RESOURCES

September 2009

Relating to penalties for violations within the Conservation Districts

Act 217

APPENDIX A: GUIDELINE FRAMEWORK TABLES

APPENDIX B: DEFINITIONS

APPENDIX C: REFERENCES

APPENDIX D: DAMAGES EXAMPLES

APPENDIX E: PENALTY CALCULATION WORKSHEET

EXHIBIT 16
ENF: 0A-14-50

1 INTRODUCTION

Hawaii Revised Statutes (HRS) §183C-7 was amended on July 7, 2008 to increase the maximum penalty for a Conservation District violation to up to \$15,000 per violation, in addition to administrative costs, costs associated with land or habitat restoration, and damages to public land or natural resources, or any combination thereof.

This document, *Conservation District Violation Penalties Schedule Guidelines and Assessment of Damages to Public Land and Natural Resources* is intended to provide the Office of Conservation and Coastal Lands (OCCL) with a framework to systematically carry out its enforcement powers, in the determination and adjudication of civil and administrative penalties. These guidelines are to be used for internal staff guidance, and should be periodically reviewed to determine their effectiveness, and whether refinements are needed. These guidelines are consistent with HAR §13-1, Subchapter 7, Civil Resource Violation System (CRVS).

2 CONSERVATION DISTRICT VIOLATION PENALTIES SCHEDULE GUIDELINES

The charging and collecting of penalties is an enforcement tool that may be used to ensure future compliance by the responsible party and others similarly situated. The penalty amount(s) shall be enough to ensure immediate compliance with HAR §13-5 and HRS §183C, and cessation of illegal activities. Penalties will be assessed for each action committed by an individual(s) that conducts an unauthorized land use and that impairs or destroys natural resources protected under Chapter §183C, HRS.

The Staff will treat each case individually when assigning conservation district penalties using the following framework, and additional considerations and factors for upward or downward adjustments. The staff of the OCCL (Staff) will use these penalty schedule guidelines to issue violation notices and to make recommendations to the Board of Land

and Natural Resources (Board), Chairperson of the Board of Land and Natural Resources (Chairperson), or Presiding Officer, whom may ultimately adjudicate the Conservation District penalties. These guidelines presume that all cases in which a violation has occurred, the Chairperson, Board, or Presiding Officer may also assess administrative costs, damages to public land or natural resources, and costs associated with land or habitat restoration.

2.1 PENALTY CALCULATION

The penalty range for these actions will be substantially determined based on the type of permit that would have been required if the individual(s) had applied to the Department of Land and Natural Resources (Department) or Board for pre-authorization to conduct the identified use, under Hawaii Administrative Rules (HAR) §13-5-22, 23, 24, 25. Assessing the penalties according to the Conservation District permit type accounts for the level of review or scrutiny the unauthorized use would have received by the Department or Board in order to avoid damage to the natural resource. This graduated permit review framework corresponds to the level of actual or potential "harm to the resource"¹ caused by the violation.

Once the baseline for the penalty range has been established according to the required permit, the penalty may be adjusted appropriately upward or downward according to the "harm to resource" caused or potentially caused by the violator's action and additional considerations and factors (See 2.1.4),² within the assigned penalty range. Where Staff was unable to associate the unauthorized use with a typical land use identified in HAR §13-5, Staff may try to associate the action with the most similar identified land use in HAR §13-5, or according to the "harm to the resource" caused by the violation. Table 1

¹ "Harm to resource" is an actual or potential impact, whether direct or indirect, short or long term, impact on a natural, cultural or social resource, which is expected to occur as a result of unauthorized acts of construction, shoreline alteration, or landscape alteration (See Appendix B: Definitions) Adapted from Florida Department of Environmental Protection 2000 Administrative Fees and Damage Liability, Ch. 62B-54.

² Penalty amounts may be adjusted up or down, based on additional considerations, such as the actual extent of the direct damage, significance of any visible indirect impacts, environmental record of the violator, responsiveness of violator, etc. (See 2.1.4 Additional Considerations and Factors).

was created to demonstrate the penalty ranges for the type of required permit and "harm to resource" (See 2.1.1 or Appendix A).

The first two of the following sections explain the identified and non-identified land use framework. The next four sections: Tree Removal, Additional Considerations and Factors, Continuing Violations and Permit Non-Compliance, and In-Kind Penalties, provide guidance for the upward or downward adjustment of penalties based on the initial framework discussed in Section 2.1.1, Identified land use penalties.

2.1.1 Identified Land Use Penalties

The violation penalty range associated with each required permit will be assessed in accordance with the following harm to resource indices in this graduated framework.

Table 1. Penalty Guideline Framework

Harm to resource or potential for harm to resource	Identified land use permit guideline with the letter	Penalty Range
Major	D (Board)	\$10,000-\$15,000
Moderate	C (Departmental)	\$2,000-\$10,000
Minor	B (Site Plan)	\$1,000-\$2,000
Very Minor	(B) (Site Plan)	Up to \$1,000

Major Harm to the Resource/ Board Permit (D)

Violations identified with the required permit prefix (D) may incur a penalty in the range of \$10,000 - \$15,000 as a Board permit would have been required to minimize the possibility of causing "major harm to the resource." Examples of "major harm(s) to the resource" may include actions that cause substantial adverse impact to existing natural resources within the surrounding area, community, ecosystem or region, or damage to the existing physical and environmental aspects of the land, such as natural beauty and open space characteristics. Such actions may include, but are not limited to, unauthorized single-family residences or unauthorized structures, grading or alteration of topographic features, aquaculture, major marine construction or dredging, unauthorized shoreline structures, major projects of any kind, mining and extraction, etc.

Moderate Harm to the Resource/ Departmental Permit (C)

Violations identified with the required permit prefix (C) may incur a penalty in the range of \$2,000-\$10,000, as a Departmental permit would have been required, due to the possibility of causing "moderate harm to the resource." Examples of "moderate harm(s) to the resource" may be adverse impacts that degrade water resources, degrade native ecosystems and habitats, and/or alter the structure or function of a terrestrial, littoral or marine ecosystem. Such actions may include, but are not limited to, unauthorized landscaping causing ground disturbance, unauthorized alteration, renovation or demolition of existing structures or facilities, such as buildings and shoreline structures, maintenance dredging, agriculture, and animal husbandry, etc.

Minor Harm to the Resource/ Site Plan Approval (B) Permit

Violations identified with the required permit prefix (B) may incur penalties as a site plan approval would have been required to assure that "minor harm(s) to the resource" are minimized. "Minor harm(s) to the resource" may incur a penalty of \$1,000-\$2,000 and could be actions causing limited to short-term direct impacts including, but not limited to, small-scaled construction, construction of accessory structures, installation of temporary or minor shoreline activities or similar uses.

Very Minor Harm to the Resource/ (B) Permit

In instances in which a permit with the B prefix should have been sought but are considered to have only caused "very minor harm(s) to resource" a penalty of up to \$1,000 may be incurred. These "very minor harm(s) to the resource" could be actions in which the impact on the water resource or terrestrial, littoral or marine ecosystem was temporary or insignificant, and was not of a substantial nature either individually or cumulatively.

2.1.2 Non-Identified Land Use Penalties

Violations in which an unauthorized use is not identified in HAR §13-5-22, 23, 24, 25, Staff may try to associate the action with the most similar identified land use in HAR

§13-5 or according to the "harm to the resource" caused by the violation. Refer to the above section, *Identified Land Use Penalties*, for the most similar required permit prefix. To categorize the violation as a "harm to resource" when no similar use is identified in HAR §13-5, Staff will refer to Table 1 and the definitions of the four violation types of "harm to resource" (See Appendix B: Definitions).

2.1.3 Tree Removal

Violation penalties for the removal of any federal or state listed threatened, endangered, or commercially valuable tree may incur a fine of up to \$15,000 per tree. Removal of any native tree may incur a fine of up to \$1,000 per tree. The removal of any invasive tree shall be considered as removal/clearing of vegetation.

The Board, Department, or Presiding Officer also has the option of considering the removal of more than one tree as a single violation, similar to the removal/clearing of vegetation.¹ If violation is considered as one violation, a fine amount of up to \$15,000 may be incurred, utilizing the guidelines for Major, Moderate, Minor, and Very Minor outlined in this schedule. However, the removal of any federally or state listed threatened or endangered tree shall be considered on a one violation per tree basis, with a maximum penalty of up to \$15,000 per tree.

2.1.4 Vegetation Removal/Vegetation Clearing

Past Staff recommendations and Board decisions have treated some cases of tree or removal as one citation of vegetation clearing/vegetation removal, this practice may be continued in violations resulting in minor or very minor harm to the resource. In accordance with the identified land uses within HAR §13-5 the assessment of vegetation removal has been based on a single citation of removal/clearing determined by the square footage of vegetation removed (See Table 3 Vegetation Removal). However, the

¹ While Staff and Board decisions in MA-01-09, OA-05-40 and HA-06-08 have treated the removal of non-native, invasive, or noxious trees as one citation of "clearing" with mandatory remediation plans.

Department may see fit to assess the removal/clearing of threatened, endangered, or commercially valuable plants similar to the modified tree removal framework and may be penalized on an individual plant basis of up to \$15,000 per plant.

Table 3. Vegetation Removal

Action	Consustainable Harm to Resource	Penalty Range
Removal of more than 10,000 sq. ft.	Major	\$10,000-\$15,000
Removal of Vegetation or of 2,000-10,000 sq. ft. of vegetation	Moderate	\$2,000-\$10,000
Removal of less than 2,000 sq. ft. vegetation	Minor	\$1,000-\$2,000
Clearing of invasive or noxious vegetation	Very Minor	Up to \$1,000*

Note: The clearing of threatened, endangered or commercially valuable plants will be addressed on a case-by-case basis, but depending on the importance of the species may incur a penalty of up to \$15,000 per plant. According to Table 2, the clearing of vegetation may incur a penalty of up to \$17/sq.ft., as clearing 10,000 sq.ft. Staff could assess a penalty of \$170,000.

2.1.5 Additional Considerations and Factors

After Staff applies the Conservation District violation graduated penalty framework to identify the violation penalty range (1, 2, and 3 found above), the Staff may incorporate several considerations into the final assessed conservation district penalty including but not limited to, those factors identified in HAR §13-1-70 Administrative Sanctions Schedule; Factors to be Considered.

2.1.6 Continuing Violations and Permit Non-Compliance

Each day during which a party continues to work or otherwise continues to violate conservation district laws, and after the Department has informed the violator of the offense by verbal or written notification, the party may be penalized up to \$15,000 per day (penalties for every day illegal actions continue) by the Department for each separate offense.

* Provided the harm to the resource and office damage were minimal.

Violation of existing approved Conservation District Use Permit (CDUP) conditions will be assessed on a case-by-case basis. Existing permit violations, in which deadlines are not met, may be individually assessed by the Staff as to prior violator conduct, knowledge, and compliance. Violation of permit conditions involving initiation and/or completion of project construction, notification of start and completion dates, failure to file legal documents, etc., may be considered very minor within the existing framework, although it should be noted that such actions may result in permit revocation. Failure to perform proper cultural, archeological, or environmental impact studies or failure to implement proper best management practices as identified in the standard permit conditions may be assessed more severely by Staff, as a moderate or major harm to the resource, due to the potential of greater adverse impacts to natural resources from the violator's failure to comply with the permit conditions, may have occurred.

2.1.7 In-Kind Penalties

Once the penalty amount has been established through the framework above, the Department may determine that the full payment or some portion of the penalty may be paid as an in-kind penalty project.⁵ This would not serve as a way to avoid payment but as a way to reduce the cash amount owed while allowing the Department to consistently enforce its rules. The in-kind penalty project is not designed to credit the violator for restoration or remediation efforts that may be already required, but to offset a portion of the cash penalty assessed. The in-kind penalty should be enough to ensure future compliance with HAR §13-5 and HRS §183C, by the violator and to deter other potential violators from non-compliance.

In-kind penalties will only be considered if (1) the responsible party is a government entity, such as a federal agency, state agency, county agency, city agency, university, or school board, or if (2) the responsible party is a private party proposing an environmental

⁵ In-Kind Penalty framework has been adopted from Florida Department of Environmental Protection, 2007, Program Directive 921, Settlement guidelines for civil and administrative penalties.

restoration, enhancement, information, or education project. In-kind penalties are limited to the following specific options:

- a. **Material and/or labor support for environmental enhancement or restoration projects.** The Department will give preference to in-kind projects benefiting proposed government-sponsored environmental projects. For shoreline violations, this may include state beach nourishment projects and dune restoration projects.
- b. **Environmental Information and Environmental Education projects.** Any information or education project proposed must demonstrate how the information or education project will directly enhance the Department's, and preferably the OCEC's, mission to protect and conserve Hawaii's Conservation District Lands.
- c. **Capital or Facility Improvements.** Any capital or facility improvement project proposed must demonstrate how the improvement will directly enhance the Department's and/or public's use, access, or ecological value of the conservation property.
- d. **Property.** A responsible party may propose to donate land to the department as an in-kind penalty. Donations will be handled by the Department's Legacy Lands program or similar program.

2.1.8 Penalty Adjudication

Violation penalties may be adjudicated similarly to the harm to resource indices in the penalty guideline framework.

Countable Harm to Resource Identified and Penalty Range	Penalty Adjudicator
Major \$10,000-\$15,000	Board
Moderate \$2,000-\$10,000	Board
Minor \$1,000-\$2,000	Chairperson or Presiding Officer
Very Minor up to \$1,000	Chairperson or Presiding Officer

Major and Moderate Harm to the Resource

The Board may adjudicate penalties to violations categorized as causing or potentially causing major or moderate harm(s) to the resource. The Board may also adjudicate cases in which repeat violations, repeat violators, or egregious behavior were involved, or moderate to significant actual harm to the resource occurred. The Board may also adjudicate the payment of part or all, of the penalty as part of an In-kind penalty.

Minor and Very Minor Harm to the Resource

The Board may delegate to the Chairperson or a Presiding Officer the power to render a final decision in minor and very minor conservation district violations in order to provide expeditious processing and cost effective resolution. The Chairperson or appointed Presiding Officer may adjudicate penalties to minor and very minor violations characterized by inadvertent or unintentional violations and those violations which caused minor or very minor harm to the resource.

3 ASSESSMENT OF DAMAGES TO PUBLIC LAND OR NATURAL RESOURCES

Penalties to recoup damages to public lands or natural resources for the purposes of enforcement and remediation may be assessed in addition to Conservation District violation penalties assessed by the aforementioned guidelines. The assessed total value of the initial and interim natural resource(s) damaged or lost (compensatory damages) and the cost of restoration or replacement of the damaged natural resource(s) (primary restoration cost) along with any other appropriate factors, including those named in HAR §13-1-70, may be adjudicated by the Board. The total value may be estimated on a per annum basis, and then may be used to calculate the net present value of the initial and interim loss of natural resource benefits, until the ecosystem structure, function, and/or services are restored.

The cost of a full-scale damage assessment by the Department would be an administrative cost, which could be recouped by the Board from the landowner or offender pursuant §HRS 183C-7. In some cases, the damage to public lands or natural resources may occur on more than one ecosystem or habitat type, (e.g., sandy beaches, seagrass beds, and coral reefs). In such instances, damages for all impacted systems will be handled cumulatively.

Since all the ecosystem services provided by the ecosystem in question cannot be quantified (e.g., the aesthetic value), the values obtained are lower bound estimates, and may be applied to systems similar to the referenced ecosystem using the benefit transfer method. These valuations, to account for the loss of ecosystem services and the cost to restore them, may be applied to Hawaiian ecosystems on public lands: such as Koa and Ohia forests, coral reefs, seagrass beds, wetlands, dune and beach ecosystems, and other important Hawaiian ecosystems.

While each case is unique and individual in nature, the Department may not be able to conduct detailed damage assessments in each case, and may refer to past precedent,

economic ecosystem valuations, and other published environmental valuations to estimate and assess damages on smaller scales (for valuations and publication examples see Appendix C: References and Appendix D: Damages Examples). Using the benefit transfer method to apply past precedents and published valuations in some situations would allow the Department to focus its administrative duties and time on remediation and restoration efforts. However, as ecological valuation and research continue, more comprehensive estimates may be produced and utilized.

The Board may allow restoration activities and damage penalties to be conducted and/or applied to a site different from the location of the damaged area where similar physical, biological and/or cultural functions exist. These assessed damages are independent of other, city, county, state and federal regulatory decisions and adjudications. Thus, the monetary remedies provided in HRS §183C-7 are cumulative and in addition to any other remedies allowed by law.

3.1 PRIMARY RESTORATION DAMAGES

The cost of land or habitat restoration or replacement, the cost of site monitoring, and site management may be assessed and charged as primary restoration damages. Restoration efforts will aim to return the damaged ecosystem to a similar ecological structure and function that existed prior to the violation. In cases in which the damaged ecosystem was predominantly composed of non-native species, restoration efforts must re-vegetate Conservation District land and public lands with non-invasive species, preferably native and endemic species when possible. The use of native and endemic species may thus result in the restoration of ecological structure and function critical for the survival of endemic Hawaiian species.

Returning the damaged and or severely degraded site to a condition similar to or better than its previous ecological structure and function (e.g., a terrestrial system such as a Koa (*Acacia koa*) forest) would include: (1) calculating the level of ecosystem services to be restored from carbon sequestration, climate regulation, nutrient cycling, air and water purification, erosion control, plant and/or wildlife habitat, and any other services which

may be valued; (2) purchase, production and out-planting of Koa seedlings; and (3) monitoring, maintenance, and management for the time period of mature growth of ~40-60 years, to achieve mature canopy structure, native under-story, and an acceptable level of lost ecosystem structure, function and/or services restored.

3.2 COMPENSATORY DAMAGE CALCULATION

Compensatory damages to public lands or natural resources may be assessed and charged to the violator to compensate for ecosystem damage and lost initial and interim ecosystem services to the public. All Divisions of the Department may coordinate their resources and efforts along with existing ecosystem valuations and publications (See Appendix C and D for examples) to derive the estimated total value of the natural resource damaged until the ecosystem structure, function, and services are estimated to be recovered.

The total value of the natural resource that is lost or damaged may include the initial and interim values of the ecosystem services provided by the natural resource or habitat, and the social-economic value of the degraded site, until the ecosystem structure, function, and/or services are restored. Assessing the damages to the resource could include: estimating the loss of ecosystem services of carbon sequestration, climate regulation, nutrient cycling, plant and/or wildlife habitat, biodiversity, air and water purification, erosion control, coastal protection, the loss of benefits to tourism, fisheries, society, cultural inspiration and practices, and any other services which may be valued.

These natural resource damages may be assessed using economic valuation techniques to estimate the total value(s) of the natural resource(s) damaged on a per area basis, including: total ecosystem service value, total annual benefits, the market value of the natural resource, or any other factor deemed appropriate. The total value of the present and interim natural resource damage may be estimated by calculating the net present value of these lost benefits, values and services. The net present value may be calculated using a discount rate to scale the present and future costs to the public, of the interim losses of ecosystem services over the restoration time. The restoration time may be

estimated as the number of years for the damaged natural resource or ecosystem to reach maturity and/or the ecosystem structure and function to be restored similar to the pre-violation state. The discount of future losses and accrued benefits may be used in the valuation of mitigation efforts performed by the violator. For example the restoration conducted immediately after damage occurred may be calculated to have a higher present benefit worth than the benefit of restoration activities undertaken a year or two later.

In other instances, a habitat equivalency analysis (HEA) or a resource equivalency analysis (REA) may be used to scale equivalent habitat or wildlife losses for estimating both ecosystem damage penalties and restoration efforts.

3.3 ADJUDICATION OF DAMAGES

The adjudication of primary restoration damages and compensatory damages will be adjudicated by the Board due to the complexity of the assessment process and to assure proper checks and balances, including adequate public notice and a public hearing.

In addition to the damages and penalty violations assessed, the Department is allowed to recoup all administrative costs associated with the alleged violation pursuant to HRS §183C-7(b). All penalties assessed will be in compliance with HRS §183C-7(c) and will not prohibit any person from exercising native Hawaiian gathering rights or traditional cultural practices.

APPENDIX A: GUIDELINE FRAMEWORK TABLES

Table 1. Penalty Guideline Framework

Blameworthy resource or potential for harm to resource	Identified based on credit system with the letter	Penalty Range
Major	D (Board)	\$10,000-\$15,000
Moderate	C (Departmental)	\$2,000-\$10,000
Minor	B (Site Plan)	\$1,000-\$2,000
Very Minor	(B) (Site Plan)	Up to \$1,000

Table 2. Vegetation Removal

Action	Commensurate Blameworthy Resources	Penalty Range
Removal of more than 10,000 sq. ft.	Major	\$10,000-\$15,000
Removal of Vegetation or of 2,000-10,000 sq. ft. of vegetation	Moderate	\$2,000-\$10,000
Removal of less than 2,000 sq. ft. of vegetation	Minor	\$1,000-\$2,000
Clearing of Invasive or noxious vegetation	Very Minor	Up to \$1,000 ^a

Note: According to Table 2, the clearing of vegetation may incur a penalty of up to \$17/sq. ft., as clearing 10,000 sq. ft. Staff could assess a penalty of \$10,000. The clearing of threatened, endangered or commercially valuable plants, will be addressed on a case-by-case basis, but depending on the importance of the species may incur a penalty of up to \$15,000 per plant.

APPENDIX B: DEFINITIONS

Definitions:

- (1) "Baseline" means the original level of services provided by the damaged resource.
- (2) "Benefit Transfer Method" estimates economic values by transferring existing benefit estimates from studies already completed for another location or issue.⁷
- (3) "Board" means the Board of Land and Natural Resources.
- (4) "Board Permit" means a permit approved by the Board of Land and Natural Resources.
- (5) "Chairperson" means the chairperson of the board of land and natural resources
- (6) "Civil Resource Violations System" or "CRVS" means a system of administrative law proceedings as authorized under chapter 199D, HRS, and further prescribed in Subchapter 7, 13-1, HAR, for the purpose of processing civil resource violations.
- (7) "Compensatory Damages" means damages for compensation for the interim loss of ecosystem services to the public prior to full recovery.
- (8) "Contested Case" means a proceeding in which the legal rights, duties, or privileges of specific parties are required by law to be determined after an opportunity for an agency hearing.
- (9) "Department" means the Department of Land and Natural Resources.
- (10) "Departmental Permit" means a permit approved by the Chairperson.
- (11) "Discounting" means an economic procedure that weights past and future benefits or costs such that they are comparable with present benefits and costs.
- (12) "Ecosystem Services" means natural resources and ecosystem processes, which may be valued according to their benefits to humankind.

For example: carbon sequestration, climate regulation, nutrient cycling, plant and/or wildlife habitat, biodiversity, air and water purification, erosion control, coastal protection, the loss of benefits to tourism.

⁷ Ecosystem Valuations http://www.ecosystemvaluation.org/benefit_transfer.htm

recreation, scientific discovery, fisheries, society, cultural inspiration and practices, and any other services which may be valued.

- (13) "Grossly negligent" violation means conscious and voluntary acts or omissions characterized by the failure to perform a manifest duty in reckless disregard of the consequences.⁸
- (14) "Harm to resources" means an actual or potential impact, whether direct or indirect, short or long term, acting on a natural, cultural or social resource, which is expected to occur as a result of unauthorized acts of construction, shoreline alteration, or landscape alteration as is defined as follows:
 - (a) "Major Harm to resource" means a significant adverse impact(s), which can cause substantial adverse impact to existing natural resources within the surrounding area, community or region, or damage the existing physical and environmental aspects of the land, such as natural beauty and open space characteristics
 - (b) "Moderate Harm to Resource" means an adverse impact(s), which can degrade water resources, degrade native ecosystems and habitats, and/or reduce the structure or function of a terrestrial, littoral or marine system (but not to the extent of those previously defined as those in (a)).
 - (c) "Minor Harm to Resource" means limited to short-term direct impacts from small scaled construction or shoreline or vegetation alteration activities.
 - (d) "Very Minor Harm to Resource" means an action in which the impact on the water resource or terrestrial, littoral or marine ecosystem was insignificant, and was not of a substantial nature either individually or cumulatively.

For example, "major harm to the resource(s)" would be associated with a major land use violation that would have likely required a Board Permit, such as building a house, while a "minor harm to the resource(s)" may be

⁸ Definition adapted from Florida Department of Environmental Protection, 2000 Administrative Final and Damage Liability, Ch. 62B-54.

associated with minor land uses requiring an administrative Site Plan Approval, for building a small accessory structure.

- (15) "Knowing" violation means an act or omission done with awareness of the nature of the conduct.
- (16) "Net Present Value" means the total present value (PV) of a time series of cash flows.
- (17) "OCCL Administrator" means the Administrator of the Office of Conservation and Coastal Lands.
- (18) "Party" means each person or agency named or admitted as a party.
- (19) "Person" means an appropriate individuals, partnership, corporation, association, or public or private organization of any character other than agencies.
- (20) "Presiding Officer" means the person conducting the hearing, which shall be the chairperson, or the chairperson's designated representative.
- (21) "Primary Restoration Damages" means the costs to restore the damaged site to its prior baseline state.
- (22) "Site Plan" means a plan drawn to scale, showing the actual dimensions and shape of the property, the size and locations on the property of existing and proposed structures and open areas including vegetation and landscaping.
- (23) "Willful violation" means an act or omission which is voluntary, intentional and with the specific intent to do something the law forbids, or fail to do something the law requires to be done.

APPENDIX C: REFERENCES

- Cesar, H., van Beurting, P., Pintz, S., Dierking J. 2002. Economic valuation of the coral reefs of Hawaii. NOAA Final Report NA 160A1449.
- Conservation International. 2008. Economic Values of Coral Reefs, Mangroves, and Seagrasses: A Global Compilation. Center for Applied Biodiversity Science, Conservation International, Arlington VA, USA
- Costanza, R. and Farley J. 2007. Ecological economics of coastal disasters: Introduction to the special issue. Ecological Economics 63 p. 249-253.
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NOAA Coastal Services Center. Habitat Equivalency Analysis.
www.csc.noaa.gov/coastal/economics/habitatreq.htm

Maine Land-Use Regulation Commission. 2007. 2008 Workshop Draft Comprehensive Land Use Plan for areas within the jurisdiction.

http://www.maine.gov/doc/lurc/reference/cluprev/CLUP_PWDraft_pg5.shtml

APPENDIX D: DAMAGES EXAMPLES

Examples of Damage Assessments and Possible Remediation Efforts

The following are only brief past estimates used in Hawaii and other states; they are by no means comprehensive or limiting. These are intended to be examples for possible assessments and remediation efforts not as templates. As previously stated each case will be handled individually to account for unique ecological, economic and cultural impacts. The following are organized by habitat type.

Coral

Florida Department of Environmental Protection (Civil Damages):

The DEP can impose fines of up to \$1,000/m² of reef damaged and is dependent on the absence of extenuating circumstances such as weather conditions, disregard of safe boating practices, navigational error, whether the vessel operator was under the influence of drugs or alcohol etc.

Cesar et al. 2002. (Ecosystem Service Valuation)

Cesar et al. used a Simple Coral Reef Ecological Economic Model (SCREEN) to assess Hawaiian coral reefs based on the annual benefits of the coral reefs to recreation/tourism, property amenities, biodiversity, fisheries and education. The annual benefits and total economic value could then be expressed on a 'per area' basis. This study found the total annual benefits of the coral reefs of Hanauma Bay to be \$37.57 million (\$2,568/m²), of the coral reefs in Kīhei to be \$28.09 million (\$65/m²) and the coral reefs on the Kona coast to be \$17.68 million (\$19/m²).

Plan enforcement (KA-02-10) (Primary Restoration Cost)

Damages to Coral reef ecosystems was assessed for restoration activities according to Florida guidelines, as \$5,830,000 for 5,380 m² of coral reef damage. This calculation

was similar to the estimated cost of remediation efforts \$390,000 to clean 5,000 yd³ of beach sand. However between 30,000-50,000 yd³ was estimated to be impacted, totaling \$2,300,000-\$3,900,000. While cleaning the sediment from the reef was estimated to cost approximately \$845,000 (for the 13 acres, or \$65,000 for 10m²). This totaled between \$3,100,000 and \$4,700,000, and did not include coral colony re-establishment. An additional \$630,000 was estimated for the 10-year monitoring period, (however studies by Cesar et al. 2003 estimated a 25 year period for recovery of ecological impacts).

This damage to corals may be calculated as follows:

Number of square meters of coral damaged
 X Multiplied by \$1,000 (or estimated value of coral on per/area basis)
 (#m² x \$1000)

Plus the estimated net present value of ecosystem services lost until recovery. (This may be more if damage to an area such as Hanalei Bay with increased recreational economic revenue.)

- +Plus cost of Remediation
- +Plus Cost of cleaning sediment from reef
- +Plus Cost of cleaning sediment/mud from beach sand
- +Plus Cost of coral reestablishment
- +Plus Cost of Monitoring
- +Plus Cost of Management

Seagrass beds (Compensatory Damage)

The Florida DEP fines offenders \$100/yard² of damage to seagrass beds for the first yard² damaged and \$75/yard² per each additional yard² damaged.

- \$100 for the first yard damaged
- + \$75 per each additional yard
- or net present total value of ecosystem services lost until recovery
- +vegetation planting
- +monitoring

Sand Beaches (ex. Of Primary Restoration Costs)

Minimum penalty cost of restoration and potential negative ecological, social and environmental impacts should be included in the assessment of damaged, degraded or lost sandy beaches. As one of Hawaii's greatest natural resources the following should be included in the minimum penalty assessment, however, as ecological valuation and research continue, more comprehensive estimates may be produced. In KA-02-10 Pila, \$390,000 fine was estimated to clean 5,000 yd³ of beach.

- +Cost of lost revenue due to altered Beach resources (compensatory)
- +primary restoration costs
- +Plus cost of cleaning of sediment/mud from beach area (if necessary)
- +Plus cost of beach nourishment (sand replacement)
- +Plus cost of native dune vegetation

(In some circumstances the loss of beach resources may be assessed in conjunction with other ecological impacts listed above, such as coral reefs and sea grass beds.)

APPENDIX E: PENALTY CALCULATION WORKSHEET

Violator's Name(s): _____
 TMK: _____
 OCCL Staff Member: _____
 Date: _____

Part 1 - Penalties

Violation Type	Permit Prefix (D,C, B)	Harm to Resource (actual & potential)	Tree or Vegetation Status	Penalty Range	Adjustments (Mark Adj. Choice #1-4)	Multi-day (# days)	Total
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

Penalty Total:

Penalty Adjustments and Descriptions (please attach additional adjustments and descriptions, including but not limited to those listed in §13-1-70)

1. Actual environmental damage extent (onsite)
 Description: _____

2. Actual environmental damage extent (offsite)
 Description: _____

3. Does the violator's have a history of violations?

4. Was the violation repetitious or of a long duration?

5. Was the violator Responsive and exhibit a level of cooperation of with the Department and/or Staff?

6. Does the Violator have a Financial Hardship?

7. Did the violator receive Economic or commercial gain through non-compliance?

8. Other.
 Description: _____

Total Adjustment: up/down _____

Multi-day penalties

Number of days to multiply penalty: _____
 Reasoning: _____

Total multi-day: _____

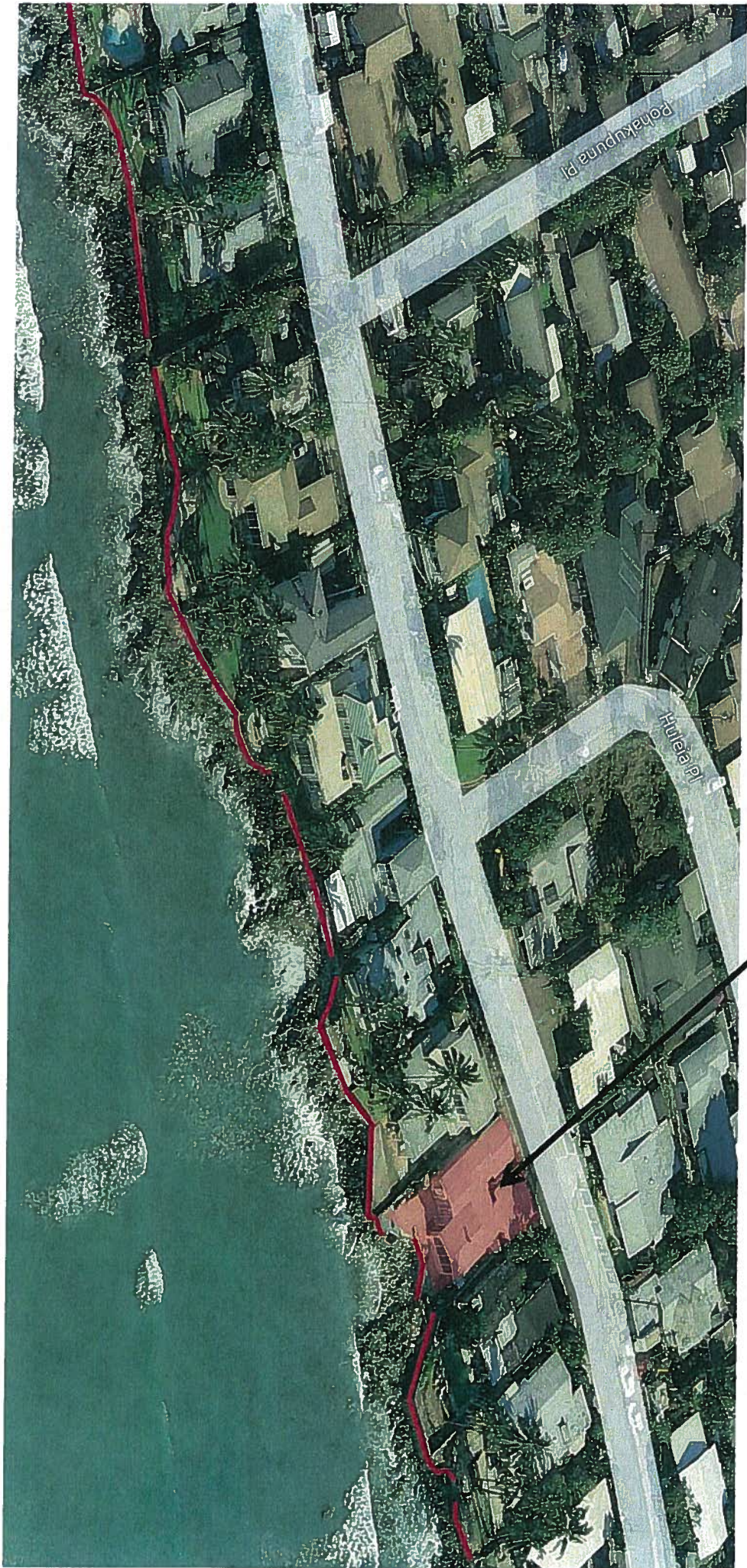
EXHIBIT 17
ENF: 04-14-50



Hot tub structure to be removed

Wood decking to be removed

Subject Property; TMK: (1) 9-1-027:016



Red lines demarcate existing seawall structures along Pūpū Place

EXHIBIT 17

ENF: OA-14-5D