CHRIS HART & PARTNERS, INC.
Landscape Architecture
City & Regional Planning

(3) copy

(3) Read EA earthquakes analy

DEPT OF PLANNING
COUNTY OF MAUI
RECEIVED

'10 AUG 23 A11:11

August 19, 2010

Ms. Kathleen Ross Aoki
Planning Director
Department of Planning
County of Maui
250 South High Street
Wailuku, Maui, Hawaii 96793

→ what is setback + why is lanai, pool now in the setback
→ where's the Emergency Permit to Replace wall?
MLIBC → any comments?
→ Get rid of stairs via SMA.

ATTN: Mr. James Buika, Coastal Resources Planner

Dear Ms. Aoki:

RE: Maui Planning Commission Comments on the Draft Environmental Assessment (DEA) for shoreline erosion mitigation and bank stabilization, located on property situated at 11 Hale Malia Place, Napili, Maui, Hawaii, TMK: (2) 4-2-003:096 (approx. 0.29 acres).

Thank you for your letter dated March 31, 2010 regarding the above referenced project, attached as Exhibit "A." We are pleased to address the comments provided by the Maui Planning Commission at its February 23, 2010 meeting as follows.

1. **SHPD and Burial Council Review of Draft EA.** The State Historic Preservation Division (SHPD) was consulted during the Early Consultation phase of the EA process. A copy of the Draft EA was provided to SHPD as part of the agency review and comment component of the Draft EA. what is result? ? SHPD

   A copy of the Draft EA was also provided to the Maui/Lanai Islands Burial Council (MLIBC) for review, and the project was discussed by the MLIBC during its regular meetings on March 25, 2010 and April 29, 2010. The MLIBC had no comments on the Draft EA. ✓

2. **History of Structures Located on the Subject Property.** The original structure on the subject property, a single-family residence, was constructed by a previous landowner circa 1975, at approximately the same time the Hale Malia subdivision was initially created. No information concerning the dimensions or the footprint of the original residence was available from the County of Maui or the previous landowner. A permit for demolition of the original residence was approved by the County of Maui in June of 1999.

   In July of that year, a Building Permit was issued to the previous landowner for construction of the existing dwelling, garage, and lanai. The residence met all relevant development requirements, such as building height, setback, and footprint. The Building

Permit notes that the property's Shoreline Setback was 25 feet, pursuant to the Shoreline Rules for the Maui Planning Commission as they existed at that time. Concurrently with the permit for construction of the residence, a permit was also approved in July of 1999 for construction of a spa as part of the building lanai.

In December of 2003, a Building Permit was approved for conversion of a portion of the lanai consisting of a koi pond into the current swimming pool. The conversion was subject to a Special Management Area (SMA) Assessment. A determination was made by the Planning Director on December 3, 2003, that the improvements represented alterations to an existing, permitted structure, and therefore were exempt from the SMA Rules. The structure was determined to lie outside of the Shoreline Setback Area. Please see Exhibit "B" for copies of all available building permit records attributable to prior developments on the subject parcel.

pool permit

3. **Historic Beach Conditions.** Please see Exhibit "C" for a series of mosaic slides showing beach conditions over a period of 35 years, from 1975 to present. As indicated by the attached historical mosaic, photographic evidence suggests no significant change in beach conditions at the site over time.

   The beach at the base of the bluff can be characterized as having an ephemeral profile. In essence, this means that sand comes and goes more or less regularly, depending on incident wave conditions. The substrate underlying the subject property is composed of silty clay and does not represent a source of sand for beach replenishment; therefore, the sand for the beach likely comes and goes from nearshore deposits. In light of the foregoing, current prevailing beach conditions likely represent the naturally occurring beach conditions, and the merit of any beach restoration efforts is unclear.

4. **Location of the Built Wall Relative to the Certified Shoreline.** Please see Exhibit "D" for a site and landscape plan showing the location of the State certified shoreline relative to the bank protection wall. This exhibit has been added to the Final EA to replace the previously existing Figure 9, "Concept Landscape Plan."

98' Ave lot depth = 25' setback

   The Annual Erosion Hazard Rate (AEHR) map for Keonenui Bay is attached as Exhibit "E," and shows an average AEHR of roughly 0.5 to 0.8 feet at the shoreline fronting the subject property. As discussed in Section II.G of the Draft EA, Section §12-203-4 of the Shoreline Rules for the Maui Planning Commission states:

   "where the shoreline is fixed by (1). artificial structures that are nonconforming or that have been approved by appropriate government agencies and for which engineering drawings exist to locate the interface between the shoreline and the structure; or (2). exposed natural stabilized geographic features such as cliffs and rock formations, the Annual Erosion Hazard Rate shall cease at the interface."

25'

   The subject parcel is fronted by a high cliff, and the shoreline is fixed by an *"artificial structure"* which has *"been approved by appropriate government agencies and for which engineering drawings exist to locate the interface between the shoreline and the structure."* Therefore, the Shoreline Setback is determined as twenty-five-percent of the lot's average depth of 100.6 feet as calculated by the Project Surveyor, or 25.2 feet.

5. **Analysis of Removal of Swimming Pool.** The building lanai, of which the pool is a part, was determined to be outside of the Shoreline Setback Area when the existing

residence was constructed in 1999, as well as when the preexisting koi pond was converted into the existing pool in 2003. Due primarily to changes in the shoreline setback calculations, approximately 200 square feet of the lanai now lies within the Shoreline Setback Area and qualifies as a legally nonconforming structure. No other hardened structures are located within the Shoreline Setback Area, aside from the wall that is the subject of this EA.

The slope and wall collapse in 2007 was generally attributable to inundation of the *makai* yard area by heavy rainfall, combined with heavy surf activity at the base of the bluff. According to the project's consulting Geotechnical and Structural Engineer, the swimming pool was not a contributing factor in the collapse of the bluff. A new wall would have been necessary to stabilize and repair the collapsed bluff, and protect the existing habitable structure, regardless of the existence of the pool and lanai structure.

Removing 200 square feet of the pool and lanai structure from the Shoreline Setback Area would have no positive impact on the property or the shoreline area, as it would neither mitigate the threat to the existing habitable structure, nor the threat to public health, safety and welfare created by the collapsing bluff. Therefore, removal of the roughly 200 square feet of hardened structure that legally lies within the Shoreline Setback Area is not a practical alternative for mitigating the threats to the property, the shoreline, or the nearshore environment.

6. Project Timeline Relative to Alleged Burial Cave.

May 30, 2008:	SMA Emergency Permit for Erosion Mitigation and Bank Stabilization approved by Maui County Planning Department.
August 8, 2008:	Building Permit Application Filed.
August, 2008:	Determination by Development Services Administration, Engineering Division, that proposed work is exempt from a grading permit as existing conditions represent an emergency situation.
December 10, 2008:	Revised SMA Emergency Permit Approval and Time Extension.
January, 2009:	SCS Archaeologists contracted to prepare Archaeological Monitoring Plan for the proposed project.
February 4, 2009:	Building Permit Issued.
March 4, 2009:	Archaeological Monitoring Plan, prepared by SCS Archaeologists, submitted to State Historic Preservation Division (SHPD) for review and approval.
March, 2009:	Initiation of ground disturbing activity for wall construction.

April 9, 2009: Archaeological Monitoring Plan approved by SHPD.

April 13, 2009: CH&P contacted SCS Archaeologists, notifying them of near completion of excavation for the new wall.

April 14, 2009: SCS monitor arrived on-site to inspect the progress of the excavation. The entire profile of the face of the bluff was exposed at this time, as construction had not yet commenced. No cultural materials or layers were encountered during the field inspection. Determination by SCS monitor that exposed sediments suggest previous grading and filling episodes and no subsurface sites were disturbed.

missed up truck

April 27, 2009: Summary report of April 14, 2009 Archaeological Inspection transmitted to SHPD.

May, 2009: In-progress Cultural Impact Assessment, prepared by Jill Engledow in support of the HRS 343 Environmental Assessment for the wall, reveals possible existence of a cave. Interview with a prior landowner alleges exposure of a burial cave at the site by erosion in the 1980s, and subsequent sealing of the cave with concrete.

CAVE via CIA

May 22, 2009: Second inspection of site by SCS monitor, to verify presence of a cave. No evidence of a cave, nor any evidence of a concrete seal, was encountered. Findings of the second archaeological inspection communicated verbally by SCS to Hinano Rodrigues of SHPD.

no cave encountered

March 25, 2010: Project presented before Maui/Lanai Islands Burial Council (MLIBC) for comment.

what are result

April 16, 2010: Release forms received by Chris Hart & Partners, Inc., containing statements from all project personnel involved directly with excavation and construction activities, that no potential human remains and/or native Hawaiian artifacts were found.

no comment

April 21, 2010: Phone conversation between representatives of Chris Hart & Partners, Inc. and former property owner Joan McKelvey. Mrs. McKelvey indicated that the alleged burial cave opening was located at approximately 4-6 feet AMSL and 7 feet from the southern boundary of the subject property. Mrs. McKelvey stated that the cave had been sealed over with concrete 40 years prior.

CAVE

April 21, 2010: Representatives of Chris Hart & Partners, Inc. and SCS Archaeology visit site to re-survey the shoreline and cliff area for evidence of a cave. No evidence of a cave was found.

April 29, 2010: Project presented before MLIBC a second time. MLIBC had no comment.

NO CAVE NO comment

7. **Discussion of Coastal Hazards.** According to the project's consulting Geotechnical and Structural Engineer, the wall is engineered to withstand the level of design forces necessary to minimize the likelihood that an extreme event, including but not limited to a tsunami, would damage the structure. A discussion of coastal hazards that may influence the integrity of the wall during severe storms is included in Section III.A of both the Draft and the Final EA.

(B) review

8. **Lateral Shoreline Access.** Public access to the shoreline exists at Hui Rd. E, approximately 600 feet south of the subject property, and lateral shoreline access exists from the southern end of Keonenui Bay to the Kahana Sunset Condominium property, which abuts the subject property immediately to the south. Between Kahana Sunset and the subject property, lateral shoreline access is constrained by a naturally occurring rocky outcrop extending approximately 75 feet seaward. Access to the shoreline area beneath the subject property is by stairs and a ladder from the top of the bluff. The wall and slope retaining system does not in any way restrict lateral access along the shoreline beneath the subject property; however, natural circumstances unrelated to the project make lateral public access to the site along the shoreline somewhat impractical. Please see Exhibit "F" for documentation of lateral shoreline access along Keonenui Bay, including photographs of shoreline conditions at the boundary between the subject property and the adjacent Kahana Sunset Condominium.

?

9. **Contractors' Statements Regarding Burials.** Please see Exhibit "G" for copies of signed statements from all contractors involved with ground-disturbing activities at the site, indicating that no burials or other subsurface cultural features were encountered during excavation for the wall.

10. **Beach Conditions Before and After Wall Construction.** Please see Exhibit "H" for a series of photographs documenting beach conditions at the site prior to and following construction of the wall. Please refer also to Exhibit "C" referenced above, which shows beach conditions in the project vicinity over a period of 35 years, from 1975 to present. **Note:** a previously existing seawall was constructed at the site circa 1980, and was in existence until the collapse of the shoreline bluff in December of 2007.

11. **Effect of the Wall on Adjacent Beaches and Shoreline Properties.** As discussed in Section III.A.2 of the Draft and Final EA, the wall is built on, and fronted by, rocky outcrops. These outcrops function as a naturally hardened shoreline at the base of the bluff, and absorb the primary forces of the waves and currents. The base of the wall is landward of the rock outcrops, which form a vertical cliff at the waterline. The wall is therefore not anticipated to have a significant impact on existing coastal processes, and should not aggravate or contribute to beach erosion, nor generate adverse effects on neighboring shoreline properties.

Thank you for your consideration of this application. Should you have any further questions, please contact myself, or Mr. Jason Medema, Planner, at 242-1955.

Sincerely Yours,

M Slepin

Matthew M. Slepin
Senior Associate • Planner

cc. Mr. James Buika, Coastal Resources Planner
Mr. John Edwards, AIA, Edwards Design Group, Inc.
Project File (CHP Project No. 08-039)

JASON MEDEMA

pdf of slides

few other substantive comments – over view / problem

4 substantive

- OCCL • make sure you
- ACE • Dont need permit
- DLNR • BMPs for sediments
- Planning Commission.

Feb 23, 2009

publish draft EA OEQC
early Feb
– Feb 23 comments –
– March-25 April 29 –

Exhibit A
Maui Planning Commission Comments on Draft EA

CHARMAINE TAVARES
Mayor

JEFFREY S. HUNT
Director

KATHLEEN ROSS AOKI
Deputy Director

COUNTY OF MAUI
DEPARTMENT OF PLANNING

March 31, 2010

Mr. Jason Medema
Chris Hart & Partners, Inc.
115 North Market Street
Wailuku, Hawaii 96793

Dear Mr. Medema:

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA), SHORELINE SETBACK VARIANCE (SSV), AND SPECIAL MANAGEMENT AREA (SMA) USE PERMIT APPLICATION FOR THE SHORELINE SLOPE REPAIR, LOCATED AT 11 HALE MALIA PLACE, LAHAINA, MAUI, HAWAII; TMK: (2) 4-3-003:096 (SM1 2009/0018) (EA 2009/0008) (SSV 2009/0005)

At a regular meeting of February 23, 2010, the Maui Planning Commission reviewed the above-referenced document and provided the following comments:

1. Forward a copy of the Draft EA to the Maui/Lanai Islands Burial Council and the State Historic Preservation Division (SHPD) for review and comment; SHPD?

2. Prepare a history on structures located on the property including the house and swimming pool, including previous building permits, SMA permits, and dates of permitting and indicate whether or not such structures were located within the Shoreline Setback Area as defined at the time of permitting. Indicate the footprint of the original house and subsequent renovations as information is available; permits OK

3. Review the potential for beach restoration and prepare a series of "mosaic" slides showing the condition of the beach over a period of 20 years; no

4. Prepare a shoreline map indicating the certified shoreline in relation to the "built" seawall and show all Shoreline Setback Calculations. Show the erosion rate map used for this particular part of the shoreline;

5. Prepare an analysis on the potential impact to the property and to the shoreline of removing the swimming pool and other hardened structures within the Shoreline Setback Area;

6. Provide a timeline on the relationship among the issuance of a building permit, site excavation, preparation of an archaeological monitoring plan, review and approval of the plan by SHPD, excavation work, and field inspections by the archaeological monitor;

250 SOUTH HIGH STREET, WAILUKU, MAUI, HAWAII 96793
MAIN LINE (808) 270-7735; FACSIMILE (808) 270-7634
CURRENT DIVISION (808) 270-8205; LONG RANGE DIVISION (808) 270-7214; ZONING DIVISION (808) 270-7253

7. Provide a discussion of coastal hazards that may influence the integrity of the wall during severe storms;

8. Provide a map and photographs demonstrating lateral shoreline access by the public;

9. Obtain statements from individuals directly involved on-site with excavation for and construction of the seawall as to their knowledge of any potential human remains and/or Hawaiian artifacts that may have been found during excavation and/or construction operations;

10. Provide a series of photographs on the condition of the beach and shoreline before and after the construction of the seawall and the current condition of the beach and shoreline with particular attention given to inclusion of these photographs in Appendix B related to the Shoreline Setback Determination; and

11. Provide a discussion as to the potential effect of the construction of the seawall on adjacent beaches and shoreline properties.

Please provide written responses to the above comments in the Final EA. Should you require further clarification, please contact Staff Planner Kurt Wollenhaupt by email at kurt.wollenhaupt@mauicounty.gov or by telephone at (808) 270-1789.

Sincerely

JEFFREY S. HUNT, AICP
Planning Director

xc: Clayton I. Yoshida, AICP, Planning Program Administrator
Kurt F. Wollenhaupt, Staff Planner
Project File
General File

JSH:KFW:sg
K:\WP_DOCS\PLANNING\SM1\2009\0018_Halemaliaplace\MPCcommentsltr.Doc

Exhibit B
Prior Development Permits on Subject Parcel

ALAN M. ARAKAWA
Mayor

MICHAEL W. FOLEY
Director

WAYNE A. BOTEILHO
Deputy Director

COUNTY OF MAUI
DEPARTMENT OF PLANNING

December 3, 2003

Bar Code
438197

Ms. Amy Johnson
Pono Pools, Inc.
P. O. Box 302
Kihei, Maui, Hawaii 96753

Dear Ms. Johnson:

RE: Special Management Area Assessment Determination for the Construction of a Swimming Pool at the DiNoto Residence, 11 Hale Malia Place, TMK: 4-3-003: 096, Lahaina, Maui, Hawaii (SMX 2003/0530) (SM5 2003/0442)

The Maui Planning Department (Department) has reviewed the above-referenced application and finds that the project entails "improvements to an existing single-family residence." Further, the potential environmental and ecological effects of the project have been reviewed in accordance with the significance criteria set forth in Section 12-202-12(e) of the Special Management Area Rules for the Maui Planning Commission.

Based upon this review, the Department finds that the project will not have a cumulative impact, or a significant environmental or ecological effect on the Special Management Area within which the project site is located. As such, the project is not a "development," according to Section 205A-22, Hawaii Revised Statutes, and is therefore exempt from the permit procedures of the Special Management Area Rules for the Maui Planning Commission.

Thank you for your cooperation. If additional clarification is required, please contact Matt Niles, Staff Planner, of this office at 270-7735.

Sincerely,

MICHAEL W. FOLEY
Planning Director

250 SOUTH HIGH STREET, WAILUKU, MAUI, HAWAII 96793
PLANNING DIVISION (808) 270-7735; ZONING DIVISION (808) 270-7253; FACSIMILE (808) 270-7634

MWF:MCN:lar

c: Wayne A. Boteilho, Deputy Planning Director
Clayton I. Yoshida, AICP, Planning Program Administrator
Gilbert S. Coloma-Agaran, Director, DPWEM
Aaron H. Shinmoto, PE, Planning Program Administrator (2)
John Nakagawa, Office of Planning, CZM Program
Matt Niles, Staff Planner
DSA (2)
03/SM5 File
03/CZM File
General File
K:\WP_DOCS\PLANNING\SM5\2003\0442_DiNotoPool\exempt.wpd

03/4066

Subj: **DiNoto.Pono Pools.Setback**
Date: 11/12/2003 5:33:17 PM Hawaiian Standard Time
From: tdd@maui.net
To: matthew.niles@co.maui.hi.us
CC: ponopools@aol.com
Sent from the Internet (Details)

'03 NOV 18 P2:40

DEPT OF PLANNING
COUNTY OF MAUI
RECEIVED

Aloha Matt,

Pono Pools just called and told me that you would like further explanation on how a 25' setback was determined to be applicable at 11 Hale Malia, TMK 4-3-003:096. The 25' setback is prescribed on lots where the average lot depth is less than 100'. Referencing the Maui Planning Commission Shoreline Rules, "Average lot depth means the measurement obtained by adding the lengths of the two sides of a lot which are at or near right angles with the shoreline to the length of a line obtained by drawing a line from a point in the center of the makai side of the lot to a point in the center of the mauka side of the lot and dividing the resulting sum by three". The construction plans submitted to the County from which my building permit was issued shows this average lot depth calculation detail on Page A-1-detail 2, "Determine Shoreline Setback".

To facilitate your review the following are the calculation dimensions on the Permit Set of Plans referenced above.

- The lengths of the two sides of the lot are 113.84' and 73.69'.
- The length of the centerline is 106.64'.
- Adding these three relevant dimensions and dividing by 3 equals 98.05'.

Aloha,

Tom

TO: MATT NILES

113.84
73.69
106.64
294.17
3) 294.17
24
0

03/474 WM 11/26

November 21, 2003

'03 NOV 21 P3:41

DEPT OF PLANNING
COUNTY OF MAUI
RECEIVED

Mr. Francis Cerizo
Civil Engineer
County of Maui Department of Planning
Via Facsimile

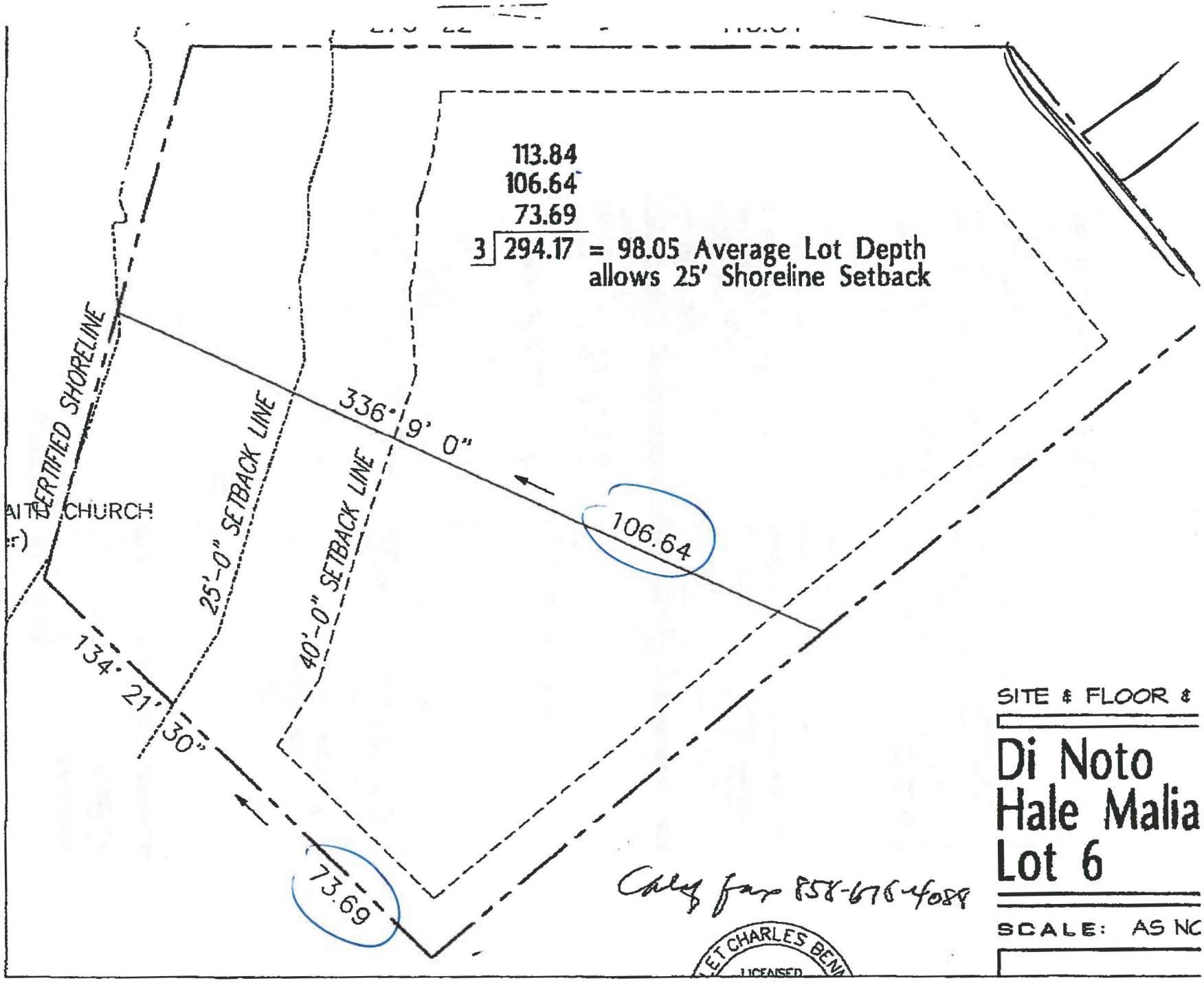
Aloha Francis,

I am currently off island for the Thanksgiving holiday. Accordingly I do not have immediate access to my Permit Set of construction plans for 11 Hale Malia. In order to move my pool permit process forward, I have contacted my architect who has faxed me the A1 - 2 Setback calculation. I can warrant to you that this calculation is an exact duplicate of the "Determine Shoreline Setback" calculation on my stamped set of plans. If required, I can bring the stamped set of plans into your office upon my return.

Thanks Francis. I would appreciate a call after you have reviewed the Setback Determination. My number is 385-3579.

Aloha,

Tom DiNoto


113.84
106.64
73.69
3 | 294.17 = 98.05 Average Lot Depth
allows 25' Shoreline Setback
CERTIFIED SHORELINE
25'-0" SETBACK LINE
40'-0" SETBACK LINE
336° 9' 0"
106.64
134° 21' 30"
73.69
CHURCH
Call fax 858-676-4088
SITE & FLOOR &
Di Noto
Hale Malia
Lot 6
SCALE: AS NO

COUNTY OF MAUI

LAND USE & CODES ADMINISTRATION

DEPARTMENT OF PUBLIC WORKS AND WASTE MANAGEMENT
250 SOUTH HIGH STREET · WAILUKU, HAWAII 96793
(808) 270-7250

PERMIT NUMBER: 2003/2484P
DATE ISSUED: 12/09/03

Application for Building Permit

INITIAL

[ ] I claim an exemption under HRS §444-2(7) and hereby certify that this structure is for my personal use and not for use or occupancy by the general public. I further certify that such building or structure will not be offered for sale or lease within one year after completion, and have read and understand the Disclosure Statement required by HRS§ 444-2(7).

Falsely claiming an exemption is a violation of §444-2(7) and carries a fine of forty percent (40%) of the total contract price or other amounts as stipulated in §444-23(c).

[ ] I claim exemption from the provisions of HRS Chapter 464, requiring certification and stamping of plans by a registered architect or structural engineer as permitted under §464-13(b). I further certify that I will record this exemption with the Bureau of Conveyances as required by §464-13(c).

[ ] Approval is granted subject to compliance with the use regulations set forth in HRS Chapter 205 and the Land Use Commission's Rules & Regulations. The owner will provide notice of those use regulations to future owners, heirs and assigns. I acknowledge that I have received from the County of Maui a copy of HRS §205-4.5.

Applicant certifies that he/she has determined if there are any restrictive covenants applicable to the proposed construction on subject property and if so, that the structure herein applied for conforms with said covenants. Applicant acknowledges that County has no responsibility to determine conformance with covenants and hereby agrees to defend and hold County harmless from any and all claims arising out of any alleged breach thereof.

SIGNATURE OF OWNER: [signature] DATE: 9/3/03

I hereby certify that I am a bona fide contractor licensed in the State of Hawaii.

X SIGNATURE OF CONTRACTOR: [signature] DATE: 9-03-03

FOR LAND USE & CODES ADMINISTRATION USE ONLY

APPROVALS REQUIRED

AGENCY	SIGNATURE	DATE
[ ] WATER DEPT.		
[ ] HEALTH DEPT.		
[ ] FIRE PREV BUREAU		
[✓] LUCA ENGR	[signature]	9/5/03
[✓] LUCA BLDG	[signature]	09/05/03 12/9/03
[✓] PLANNING DEPT.		
[ ] WWRD		

ISSUED BY: R. Howard
ACCEPT. VAL $ 50,000.00
PERMIT FEE $ 414.50
REMARKS: SMS 2003 0442

PROJECT NAME: DIJOTO RESIDENCE
CONSTRUCTION TYPE: V-N
OCCUPANCY GROUP: U-2

APPLICATION NO.	TMK (S)	ZONE	SEC	PLAT	PAR	LOT
T03/2151			4	3	003	96

DATE RECEIVED: 09/05/03
OWNERSHIP: 1
ZONE: R-3 / Urban SMA
FLOOD ZONE: C

APPLICANT: PLEASE FILL IN AREA BELOW (TYPED)

PROJECT ADDRESS (HOUSE NO. AND STREET): 11 HALE MALIA PLACE
PROJECT ADDRESS (TOWN AND DISTRICT): LAHAINA, HI
LEGAL OWNER (FULL NAME): THOMAS DIJOTO
MAILING ADDRESS (INCLUDE ZIP CODE): 11 HALE MALIA PLACE LAHAINA
LESSEE/TENANT (1):
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE/TENANT (2):
MAILING ADDRESS (INCLUDE ZIP CODE):

NATURE OF WORK (CHECK ALL THAT APPLY)

[ ] NEW BUILDING	[ ] FENCE	[ ] FOUNDATION ONLY
[ ] RETAINING WALL	[ ] SHELL ONLY	[ ] RELOCATION
[ ] ADDITION	[✓] ALTERATION	[ ] RECONSTRUCTION
[ ] MISC. STRUCTURE	[ ] REPAIR	[ ] DEMOLITION
[ ] SITE WORK	[ ] SEA WALL	[✓] SWIMMING POOL

NOW OCCUPIED AS	TO BE OCCUPIED AS
Spa/Fish Pond	Spa/Swimming Pool
DIMENSIONS	WALLS
PARTITIONS	FOUNDATION
FLOORS	ROOF
CEILING	BASEMENT FLOOR

PLAN MAKER: HAMLET CHARLES BENNETT — LICENSE NO. 5844
MAILING ADDRESS (INCLUDE ZIP CODE): 79-6974 MAMALAHOA HWY. HOLUALOA HI 96725
BUILDER: FOUR TOOLS INC — LICENSE NO. C23445
MAILING ADDRESS (INCLUDE ZIP CODE): PO BOX 302 LIHUE HI 96766 — TELEPHONE NO. 357-0562
APPLICANT NAME: JANI JOHNSON
MAILING ADDRESS (INCLUDE ZIP CODE): PO BOX 302 LIHUE HI — TELEPHONE NO. 957-0562
SIGNATURE OF APPLICANT: [signature] DATE: 9-03-03

[ ] SEWER / [ ] INDIVIDUAL WASTEWATER SYSTEM
ROOF OVERHANG:
ESTIMATED VALUE OF WORK: 50,000.00
NO. OF UNITS:
NO. OF STORIES:
FLOOR AREA:
LOT AREA: 12,624 sf
DISTANCE TO NEAREST INTERIOR LOT BOUNDRY (FEET): RIGHT: LEFT: REAR: FRONT:
NEAREST BLDG:
REMARKS: Converting fish pond to Swimming pool; Pool Equipment Room

Rev. 8/99 OFFICE COPY

COUNTY OF MAUI

LAND USE & CODES ADMINISTRATION

DEPARTMENT OF PUBLIC WORKS AND WASTE MANAGEMENT
250 SOUTH HIGH STREET
WAILUKU, HAWAII 96793

Application for Building Permit

PERMIT NUMBER: 99/1271
DATE ISSUED: 7/21/99

INITIAL

[ ] I claim an exemption under Sec. 444-2(7) of the HRS and hereby certify that this structure is for my personal use and not for use or occupancy by the general public. I further certify that such building or structure will not be offered for sale or lease within one year after completion.

Falsely claiming an exemption is a violation of Sec. 444-2(7) and carries a fine of forty percent (40%) of the total contract price, or other amounts as stipulated in Sec. 444-23(c).

[ ] I claim exemption from the provisions of Chapter 464 HRS, requiring certification and stamping of plans by a registered architect or structural engineer as permitted under Sec. 46413 (b). I further certify that I will record this exemption with the Bureau of Conveyances as required by Sec. 464-13 (c).

[ ] Approval is granted subject to compliance with the use regulations set forth in Chapter 205, HRS and the Land Use Commission's Rules & Regulations. The owner will provide notice of these use regulations to future owners, heirs and assigns. I acknowledge that I have received from the County of Maui a copy of Sec. 205-4.5HRS.

Applicant certifies that he/she has determined if there are any restrictive covenants applicable to the proposed construction on subject property and if so, that the structure herein applied for conforms with said covenants. Applicant acknowledges that County has no responsibility to determine conformance with covenants and hereby agrees to defend and hold County harmless from any and all claims arising out of any alleged breach thereof.

SIGNATURE OF OWNER: Christopher M. Clever DATE: 6-8-99

I hereby certify that I am a bona fide contractor licensed in the State of Hawaii.

X SIGNATURE OF CONTRACTOR: Christopher M. Clever DATE: 6-8-99

FOR LAND USE & CODES ADMINISTRATION USE ONLY

APPROVALS REQUIRED

AGENCY	SIGNATURE	DATE
[ ] DEPT. OF WATER		
[ ] DEPT. OF HEALTH		
[ ] FIRE MARSHALL		
[ ] ENGIN., LUCA		6/24/99
[X] BUILDING, LUCA		7/19/99
[X] PLANNING DEPT.		7/02/99

ISSUED BY: D. Hulse
ACCEPT. VAL $ 7,000.00
PERMIT FEE $ 90.00

REMARKS: The grading to be done per applicant (less than 50cy + less than 2 acres fill) Etc. 6/24/99
start date: 7/21/99

PROJECT NAME: DI NOTO THOMAS FAMILY TRUST
CONSTRUCTION TYPE: V-N
OCCUPANCY GROUP:

APPLICATION NO.	TMK	ZONE	SEC	PLAT	PAR	LOT
99/1165		4	3	3	96	

DATE RECEIVED: 6/10/99

OWNERSHIP	ZONE	FLOOD ZONE
	R-3	C

APPLICANT: PLEASE FILL IN AREA BELOW (TYPED)

PROJECT ADDRESS (HOUSE NO. AND STREET): 11 Hale Malia Place
PROJECT ADDRESS (TOWN AND DISTRICT): Lahaina
LEGAL OWNER (FULL NAME): DI NOTO THOMAS FAMILY TRUST
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE/TENANT (1):
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE/TENANT (2):
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE/TENANT (3):
MAILING ADDRESS (INCLUDE ZIP CODE):

Should historic sites such as walls, platforms, [illegible] or remains such as artifacts, [illegible], concentration of shell or charcoal be encountered during construction activities, work shall cease immediately in the immediate vicinity of the find structure(s) protected from further damage. The contractor and/or landowner shall contact the State Historic Preservation Division (243-6169), which will assess the sign nature and recommend and appropriate mitigation measure, if necessary.

PLAN MAKER: Hamlet C. Bennett — LICENSE NO.: AR-5844
MAILING ADDRESS (INCLUDE ZIP CODE): — TELEPHONE NO.:
BUILDER: Clever Construction — LICENSE NO.: BC-18106
MAILING ADDRESS (INCLUDE ZIP CODE): 73-5577 Kauhola Street Bay 9, Kailua-Kona 96740 — TELEPHONE NO.:
APPLICANT NAME: Christopher Clever — TELEPHONE NO.: 329-5196 Ext 1
SIGNATURE OF APPLICANT: Christopher M. Clever — DATE: 6-8-99

NATURE OF WORK (CHECK ALL THAT APPLY)

[ ] NEW BUILDING	[ ] FENCE	[ ] FOUNDATION ONLY
[ ] RETAINING WALL	[ ] SHELL ONLY	[ ] RELOCATION
[ ] ADDITION	[ ] ALTERATION	[ ] RECONSTRUCTION
[ ] MISC. STRUCTURE	[ ] REPAIR	[ ] DEMOLITION
[ ] SITE WORK	[ ] SEA WALL	[X] SWIMMING POOL

NOW OCCUPIED AS:
TO BE OCCUPIED AS: Spa
DIMENSIONS:
WALLS: concrete
PARTITIONS:
FOUNDATION: concrete
FLOORS:
ROOF:
CEILING:
BASEMENT FLOOR:
[X] SEWER [ ] INDIVIDUAL WASTEWATER SYSTEM
ROOF OVERHANG:
ESTIMATED VALUE OF WORK: 7,000
NO. OF UNITS:
NO. OF STORIES:
FLOOR AREA:
LOT AREA:
DISTANCE TO NEAREST INTERIOR LOT BOUNDRY (FEET): RIGHT: LEFT: REAR: FRONT:
NEAREST BLDG.
REMARKS:

[illegible] FURTHER APPROVAL [illegible] PROJECT. A COPY OF THIS [illegible] ON OF THIS [illegible] WILL BE SENT TO WATER SUPPLY FOR THEIR INFORMATION.

Rev. 8/93

OFFICE COPY 7/19/99 AW

COUNTY OF MAUI

LAND USE & CODES ADMINISTRATION

DEPARTMENT OF PUBLIC WORKS AND WASTE MANAGEMENT
250 SOUTH HIGH STREET
WAILUKU, HAWAII 96793

Application for Building Permit

PERMIT NUMBER	DATE ISSUED
99/1270	7/21/99

INITIAL

[ ] I claim an exemption under Sec. 444-2(7) of the HRS and hereby certify that this structure is for my personal use and not for use or occupancy by the general public. I further certify that such building or structure will not be offered for sale or lease within one year after completion.

Falsely claiming an exemption is a violation of Sec. 444-2(7) and carries a fine of forty percent (40%) of the total contract price, or other amounts as stipulated in Sec. 444-23(c).

[ ] I claim exemption from the provisions of Chapter 484 HRS, requiring certification and stamping of plans by a registered architect or structural engineer as permitted under Sec. 46413 (b). I further certify that I will record this exemption with the Bureau of Conveyances as required by Sec. 464-13 (c).

[ ] Approval is granted subject to compliance with the use regulations set forth in Chapter 205, HRS and the Land Use Commission's Rules & Regulations. The owner will provide notice of these use regulations to future owners, heirs and assigns. I acknowledge that I have received from the County of Maui a copy of Sec. 205-4.5HRS.

Applicant certifies that he/she has determined if there are any restrictive covenants applicable to the proposed construction on subject property and if so, that the structure herein applied for conforms with said covenants. Applicant acknowledges that County has no responsibility to determine conformance with covenants and hereby agrees to defend and hold County harmless from any and all claims arising out of any alleged breach thereof.

Christopher M. Clever 6-8-99
SIGNATURE OF OWNER DATE

I hereby certify that I am a bona fide contractor licensed in the State of Hawaii.

x Christopher M Clever 6-8-99
SIGNATURE OF CONTRACTOR DATE

FOR LAND USE & CODES ADMINISTRATION USE ONLY

APPROVALS REQUIRED

AGENCY	SIGNATURE	DATE
[ ] DEPT. OF WATER		
[ ] DEPT. OF HEALTH		
[ ] FIRE MARSHALL		
[X] ENGIN., LUCA		6/24/99
[X] BUILDING, LUCA		7/14/99
[X] PLANNING DEPT.		7/02/99

ISSUED BY: D. Ahuli
ACCEPT. VAL $ 1,000,000.00
PERMIT FEE $ 3,539.50

REMARKS: No grading to be done for applicant. (See Ord. 2800 for this 2' cut & fill) BC Comm 99
Private Road.
Proposed 25' shoreline setback line meets the requirements of Shoreline Rules/Regs of the Planning Commission 7/02/99
Grant date: 7/21/99

PROJECT NAME: DI NOTO THOMAS FAMILY TRUST
CONSTRUCTION TYPE: V-N
OCCUPANCY GROUP: R-3

APPLICATION NO.	TMK (S)	ZONE	SEC	PLAT	PAR	LOT
99/1164		4	3	3	96	

DATE RECEIVED: 6/10/99

OWNERSHIP	ZONE	FLOOD ZONE
	R-3	C

APPLICANT: PLEASE FILL IN AREA BELOW (TYPED)

PROJECT ADDRESS (HOUSE NO. AND STREET): 11 Hale Malia Place
PROJECT ADDRESS (TOWN AND DISTRICT): Lahaina
LEGAL OWNER (FULL NAME): DI NOTO THOMAS FAMILY TRUST
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE (IF ANY):
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE (IF ANY):
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE (IF ANY):
MAILING ADDRESS (INCLUDE ZIP CODE):

NATURE OF WORK (CHECK ALL THAT APPLY)

[X] NEW BUILDING	[ ] FENCE	[ ] FOUNDATION ONLY
[ ] RETAINING WALL	[ ] SHELL ONLY	[ ] RELOCATION
[ ] ADDITION	[ ] ALTERATION	[ ] RECONSTRUCTION
[ ] MISC. STRUCTURE	[ ] REPAIR	[ ] DEMOLITION
[ ] SITE WORK	[ ] SEA WALL	[ ] SWIMMING POOL

NOW OCCUPIED AS:
TO BE OCCUPIED AS: Dwelling/garage/lanai
DIMENSIONS:
WALLS: 2x4 studs
PARTITIONS: 2x4 studs/gyp brd
FOUNDATION: concrete/post & pier
FLOORS: concrete/plywood
ROOF: monier tile
CEILING:
BASEMENT FLOOR:
[X] SEWER
[ ] INDIVIDUAL WASTEWATER SYSTEM
ROOF OVERHANG:
ESTIMATED VALUE OF WORK: 1,000,000.00
NO. OF UNITS: 1
NO. OF STORIES: 2
FLOOR AREA: 6436
LOT AREA: 12,624

PLAN MAKER: Hamlet C. Bennett
LICENSE NO.: AR-5844
MAILING ADDRESS (INCLUDE ZIP CODE): 78-6697A MAMALAHOA HWY Holualoa 96725
TELEPHONE NO.:
BUILDER: Clever Construction
LICENSE NO.: BC-18106
MAILING ADDRESS (INCLUDE ZIP CODE): 73-5577 Kauhola Street Bay 9, Kailua-Kona 96740
TELEPHONE NO.:
APPLICANT NAME: Christopher Clever
TELEPHONE NO.: 329-5196 Ext 1
SIGNATURE OF APPLICANT: Christopher M Clever
DATE: 6-8-99

DISTANCE TO NEAREST INTERIOR LOT BOUNDRY (FEET): RIGHT: 6' LEFT: 6'10" REAR: FRONT: 15'
NEAREST BLDG.

REMARKS:
Existing dwelling to be demolished on separate permit.

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OFFICE COPY 7/19/99 AN (25)

COUNTY OF MAUI

LAND USE & CODES ADMINISTRATION

DEPARTMENT OF PUBLIC WORKS AND WASTE MANAGEMENT
250 SOUTH HIGH STREET
WAILUKU, HAWAII 96793

Application for Building Permit

PERMIT NUMBER	DATE ISSUED
99/0958	6/10/99

INITIAL

[ ] I claim an exemption under Sec. 444-2(7) of the HRS and hereby certify that this structure is for my personal use and not for use or occupancy by the general public. I further certify that such building or structure will not be offered for sale or lease within one year after completion.

Falsely claiming an exemption is a violation of Sec. 444-2(7) and carries a line of forty percent (40%) of the total contract price, or other amounts as stipulated in Sec. 444-23(c).

[ ] I claim exemption from the provisions of Chapter 484 HRS, requiring certification and stamping of plans by a registered architect or structural engineer as permitted under Sec. 46413 (b). I further certify that I will record this exemption with the Bureau of Conveyances as required by Sec. 464-13 (c).

[ ] Approval is granted subject to compliance with the use regulations set forth in Chapter 205, HRS and the Land Use Commission's Rules & Regulations. The owner will provide notice of these use regulations to future owners, heirs and assigns. I acknowledge that I have received from the County of Maui a copy of Sec. 205-4.5HRS.

Applicant certifies that he/she has determined if there are any restrictive covenants applicable to the proposed construction on subject property and if so, that the structure herein applied for conforms with said covenants. Applicant acknowledges that County has no responsibility to determine conformance with covenants and hereby agrees to defend and hold County harmless from any and all claims arising out of any alleged breach thereof.

x Christopher M. Clever 6-8-99
SIGNATURE OF OWNER DATE

I hereby certify that I am a bona fide contractor licensed in the State of Hawaii.

(X) Christopher M. Clever 6-8-99
SIGNATURE OF CONTRACTOR DATE

FOR LAND USE & CODES ADMINISTRATION USE ONLY

APPROVALS REQUIRED	AGENCY	SIGNATURE	DATE
[ ]	DEPT. OF WATER		
[ ]	DEPT. OF HEALTH		
[ ]	FIRE MARSHALL		
[ ]	ENGIN., LUCA		
[X]	BUILDING, LUCA	D. Ahlue	6/8/99
[ ]	PLANNING DEPT.		

ISSUED BY: D. Ahlue
ACCEPT. VAL $ 15,000.00
PERMIT FEE $ 162.00
REMARKS:

PROJECT NAME: Di Noto Thomas Family Trust
CONSTRUCTION TYPE: V-N
OCCUPANCY GROUP:

APPLICATION NO.	TMK (s)	ZONE	SEC	PLAT	PAR	LOT
99/1160		4	3	3	96	

DATE RECEIVED: 6/10/99

OWNERSHIP | ZONE | FLOOD ZONE

APPLICANT: PLEASE FILL IN AREA BELOW (TYPED)

PROJECT ADDRESS (HOUSE NO. AND STREET): 11 Hale Maia Place
PROJECT ADDRESS (TOWN AND DISTRICT): Lahaina
LEGAL OWNER (FULL NAME): Di Noto Thomas Family Trust
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE/TENANT (1):
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE/TENANT (2):
MAILING ADDRESS (INCLUDE ZIP CODE):
LESSEE/TENANT (3):
MAILING ADDRESS (INCLUDE ZIP CODE):

Should historic sites such as walls, platforms, pavements, or mounds, or remains such as artifacts, burials, concentration of shell or charcoal be encountered during construction activities, work shall cease immediately in the immediate vicinity of the find and the find shall be protected from further damage. The contractor and/or landowner shall immediately contact the State Historic Preservation Division (243-5169), which will assess the significance of the find and recommend an appropriate mitigation measure, if necessary.

NATURE OF WORK (CHECK ALL THAT APPLY)

[ ] NEW BUILDING	[ ] FENCE	[ ] FOUNDATION ONLY
[ ] RETAINING WALL	[ ] SHELL ONLY	[ ] RELOCATION
[ ] ADDITION	[ ] ALTERATION	[ ] RECONSTRUCTION
[ ] MISC. STRUCTURE	[ ] REPAIR	[X] DEMOLITION
[ ] SITE WORK	[ ] SEA WALL	[ ] SWIMMING POOL

NOW OCCUPIED AS: Dwelling
TO BE OCCUPIED AS: Demolish Dwelling
DIMENSIONS:
WALLS:
PARTITIONS:
FOUNDATION:
FLOORS:
ROOF:
CEILING:
BASEMENT FLOOR:
[X] SEWER [ ] INDIVIDUAL WASTEWATER SYSTEM
ROOF OVERHANG:
ESTIMATED VALUE OF WORK: 15,000
NO. OF UNITS: 1
NO. OF STORIES: 2
FLOOR AREA:
LOT AREA:
DISTANCE TO NEAREST INTERIOR LOT BOUNDRY (FEET): RIGHT: LEFT: REAR: FRONT:
NEAREST BLDG.

PLAN MAKER: NC Plans
LICENSE NO.:
MAILING ADDRESS (INCLUDE ZIP CODE):
TELEPHONE NO.:
BUILDER: Clever Construction
LICENSE NO.: BC-18106
MAILING ADDRESS (INCLUDE ZIP CODE): 73-5577 Kauhola St. Bay 9 Kailua-Kona 96740
TELEPHONE NO.:
APPLICANT NAME: Christopher Clever
TELEPHONE NO.: 808-329-5196 Ext. 1
SIGNATURE OF APPLICANT: Christopher M. Clever
DATE: 6-8-99

REMARKS: Demolish dwelling built around 1975.

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Exhibit C
Historical Shoreline Conditions

11 Hale Malia Place
Shoreline Slope Repair

Historic Shoreline
Mosaic Photos

Courtesy UH-SOEST Coastal Geology Group

CHRIS HART & PARTNERS, INC.

11 Hale Malia Place
Shoreline Slope Repair

Historic Shoreline
Mosaic Photos

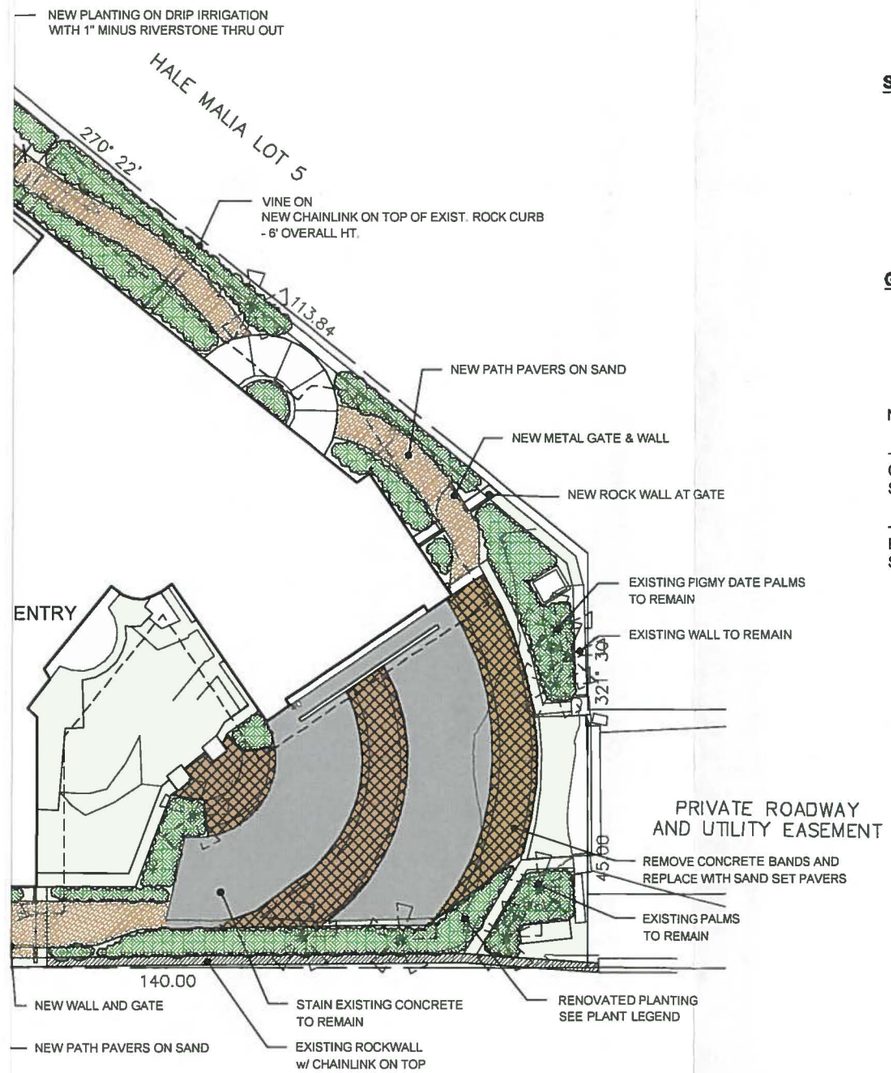
Courtesy UH-SOEST Coastal Geology Group

CHRIS HART & PARTNERS, INC.

11 Hale Malia Place
Shoreline Slope Repair

Historic Shoreline
Mosaic Photos
Courtesy UH-SOEST Coastal Geology Group

CHRIS HART & PARTNERS, INC.



PLANT PALETTE

TREES

- PLUMERIA
- JATROPHA
- ARECA PALM
- PIGMY DATE PALM
- MACARTHUR PALM

SHRUBS

- GOLDEN DURANTA
- ELDORADO 'YELLOW-VEIN'
- RED GINGER
- GREEN TI
- GARDENIA
- BAMBOO
- CROTON

GROUNDCOVER

- LAUAE FERN
- HEMIGRAPHIS
- BACOPA

NOTES:

- ONLY BEACH QUALITY SAND & COMPOST TO BE USED IN SHORELINE SETBACK

- ALL PLANTING WILL BE WATERED BY AN AUTOMATIC IRRIGATION SYSTEM

Landscape Plan

RESIDENCE

LIA PLACE, MAUI, HI

BAR SCALE
0 4 8 16 32

SCALE: 1/8"=1'-0"
PROJECT: 09-039
DATE: 10/20/09
REV. DATE: 5/20/09

Exhibit E
Alaeloa Annual
Erosion Hazard Rate
(AEHR) Map

Alaeloa, Maui, Hawaii

Smoothed Erosion Rates

Scale 1:3000

100 0 100 200 300 400 Meters

300 0 300 600 900 1200 Feet

Alaeloa

Maui

0 10 mi

0 10 km

The Alaeloa study area extends from Hauiole Point in the south to Namalu Bay in the north. This area is a series of bays and coves with small white sand and cobble pocket beaches interspersed. Offshore is basaltic hard bottom and sand.

As a whole, the area has experienced moderate to high erosion since 1912 with an average AEHR of -0.9 ft/yr. Keonenui Beach (transects 1 - 14) is partially backed by a revetment constructed prior to 1960 to protect private property. The beach has experienced moderate erosion over time with an average AEHR of -1.0 ft/yr. To the north, Alaeloa Beach (transects 17 and 18) occupies a small cove and has experienced moderate erosion with an average AEHR of -1.0 ft/yr. Honokeana Bay (transects 25 - 29) is comprised primarily of cobble beach. It has experienced moderate erosion with an average AEHR of -0.8 ft/yr. Napili Bay (transects 32 - 47) has experienced moderate erosion over time with an average AEHR of -0.8 ft/yr. Kapalua Bay (transects 53 - 62) has experienced moderate erosion since 1912 with an average AEHR of -1.2 ft/yr.

Trends identified in this study generally agree with those found by Sea Engineering, 1991*. At Kapalua Bay, Sea Engineering found this beach to be relatively stable. Face differences may be attributed to methodology, specifically this study's inclusion of the 1912 and 1960 T-sheet shorelines.

Average beach width, the average horizontal distance from the vegetation line to the low water mark, within the Alaeloa area has decreased 38% between 1949 and 1997. At Keonenui Beach, average beach width has decreased 43% between 1949 and 1997, while average beach width at Alaeloa Beach has decreased 42% for the same time period. Average beach width at both Honokeana and Napili Bays has decreased 33% between 1949 and 1997. Average beach width at Kapalua Bay has decreased 44% between 1949 and 1997.

* Makai Ocean Engineering and Sea Engineering, 1991. Aerial Photograph Analysis of Coastal Erosion on the Islands of Kauai, Molokai, Lanai, Maui and Hawaii. State of Hawaii Office of Planning Coastal Zone Management Program.

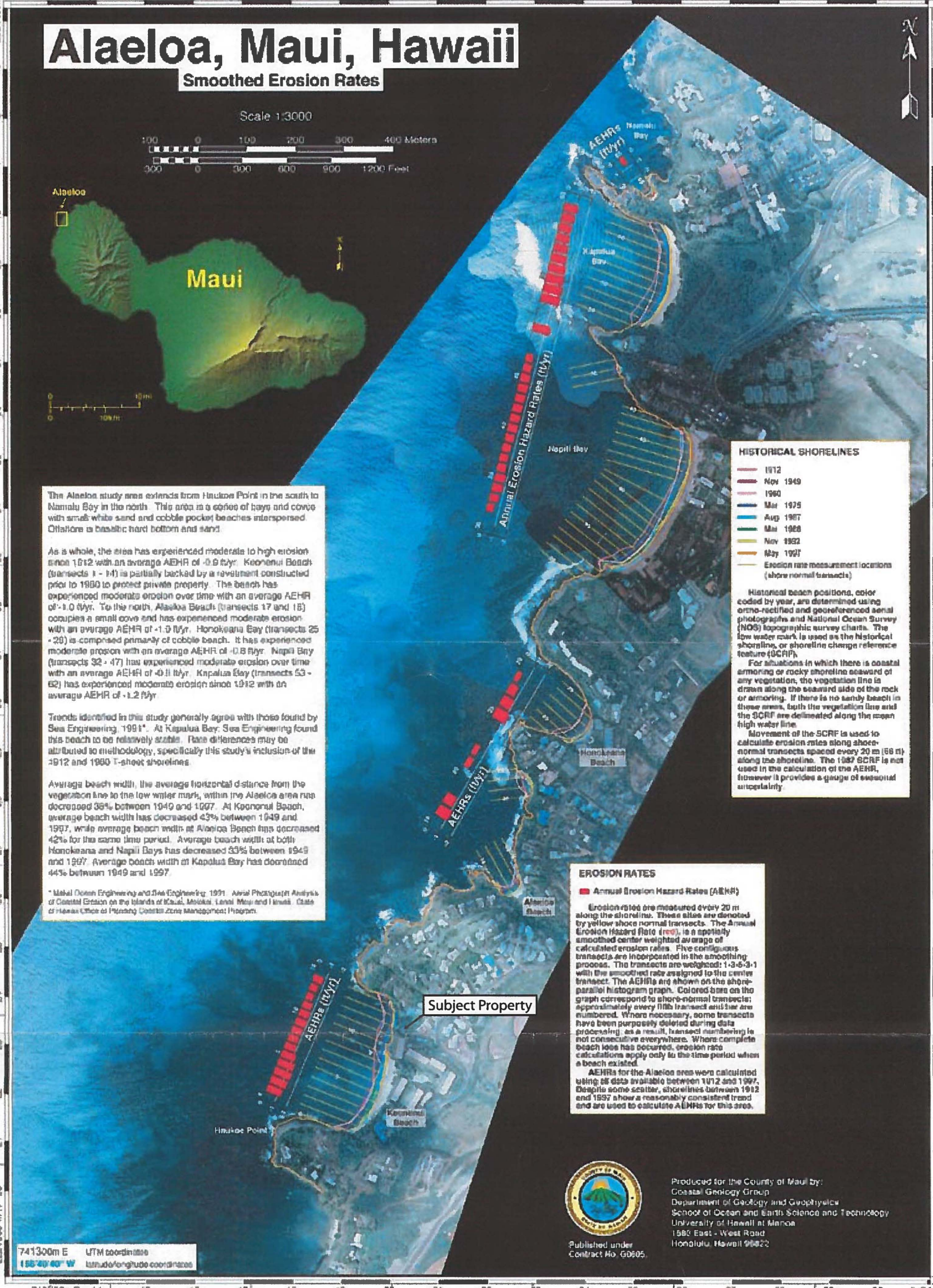
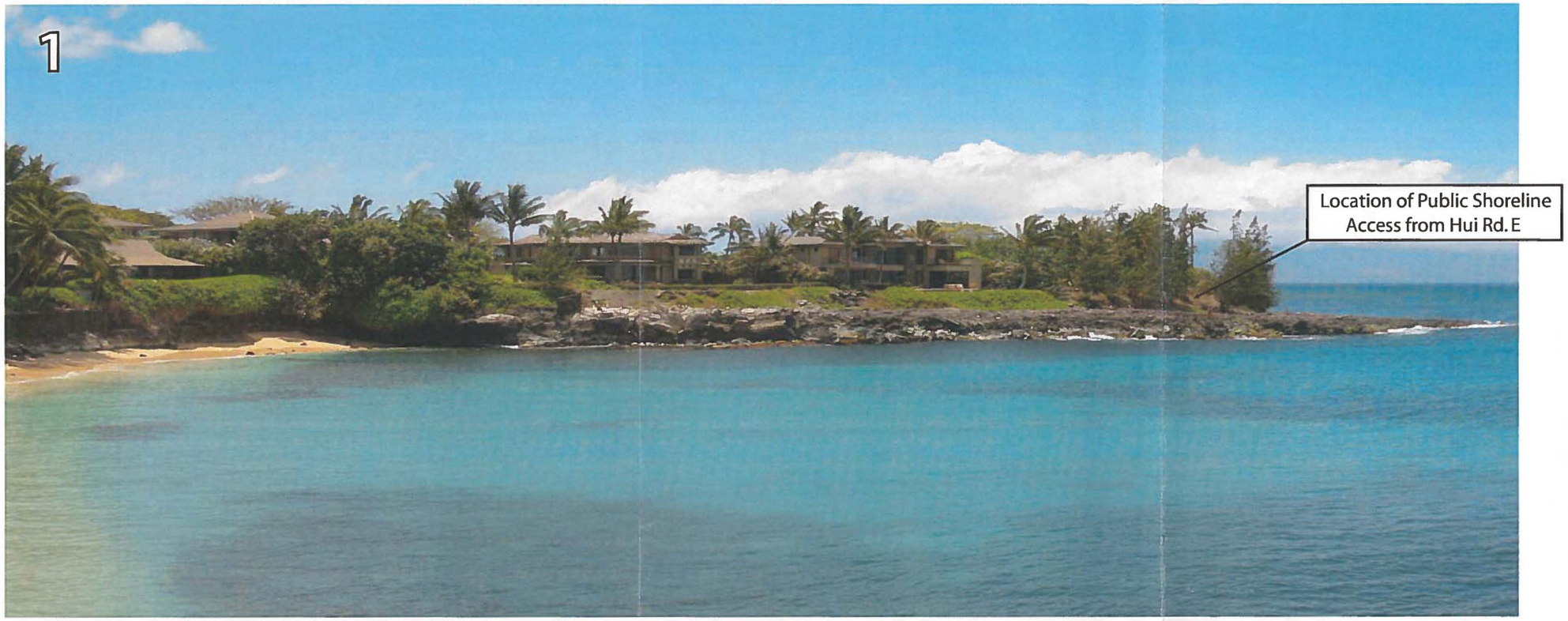


Exhibit F
Photographic Documentation of Lateral Shoreline Access

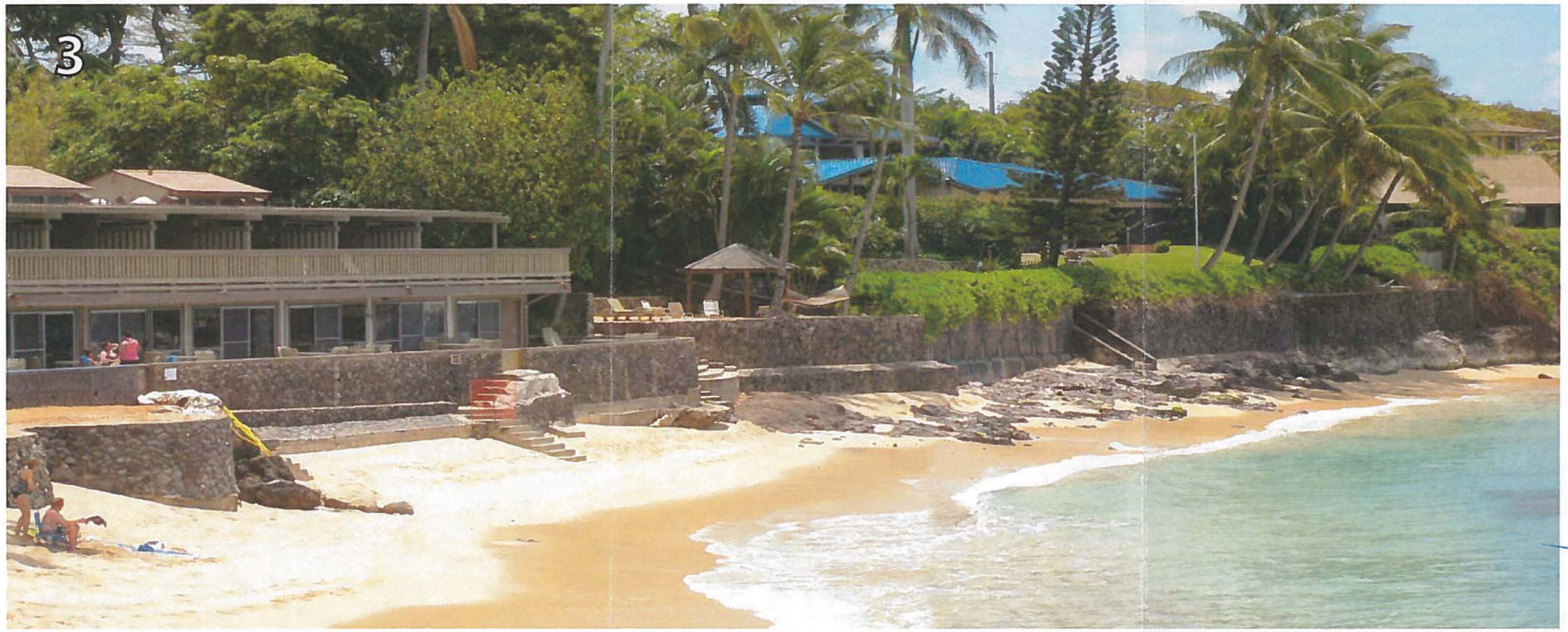
1-2. Lateral Shoreline Access along Keonenui Bay, facing south from rocky outcrop at Kahana Sunset Condominium

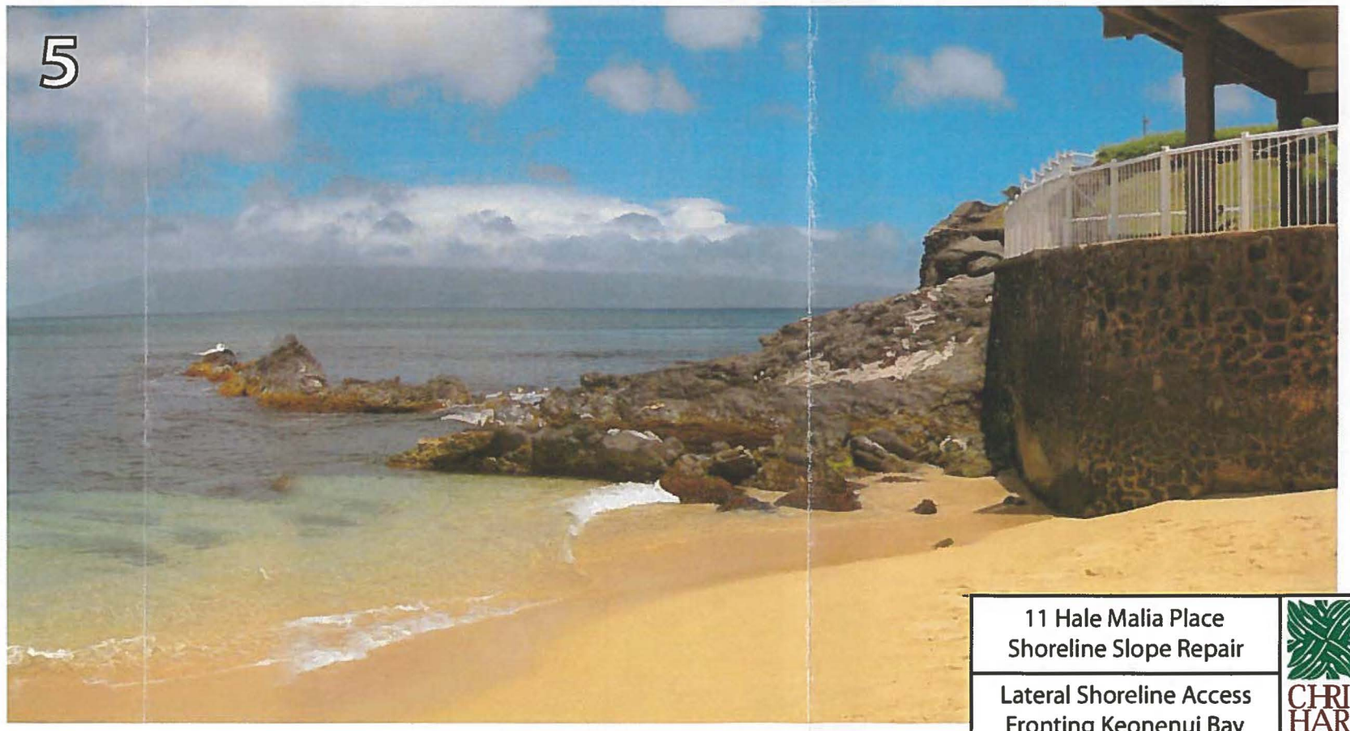


11 Hale Malia Place Shoreline Slope Repair	CHRIS HART & PARTNERS, INC.
Lateral Shoreline Access Fronting Keonenui Bay	

3. Facing south along Keonenui Bay from rocky outcrop at Kahana Sunset Condominium

4-5. Facing north toward rocky outcrop separating Kahana Sunset from subject property





11 Hale Malia Place
Shoreline Slope Repair

Lateral Shoreline Access
Fronting Keonenui Bay

CHRIS HART & PARTNERS, INC.

To Whom It May Concern:

I was directly involved on-site with excavation and construction activities related to the placement of a structurally engineered shoreline retaining system at the site of a collapsed bluff and seawall located at 11 Hale Malia Place, Lahaina, Maui, HI, TMK (2) 4-3-003:096, which took place between March, 2009 and November, 2009. At no time during the excavation and construction operations did I encounter any human remains or Native Hawaiian cultural artifacts, nor any sub-surface features which would suggest the presence of human remains or Native Hawaiian cultural artifacts.

DANIEL E ORTIZ

Name (Please Print)

4/13/10

Signature Date

To Whom It May Concern:

I was directly involved on-site with excavation and construction activities related to the placement of a structurally engineered shoreline retaining system at the site of a collapsed bluff and seawall located at 11 Hale Malia Place, Lahaina, Maui, HI, TMK (2) 4-3-003:096, which took place between March, 2009 and November, 2009. At no time during the excavation and construction operations did I encounter any human remains or Native Hawaiian cultural artifacts, nor any sub-surface features which would suggest the presence of human remains or Native Hawaiian cultural artifacts.

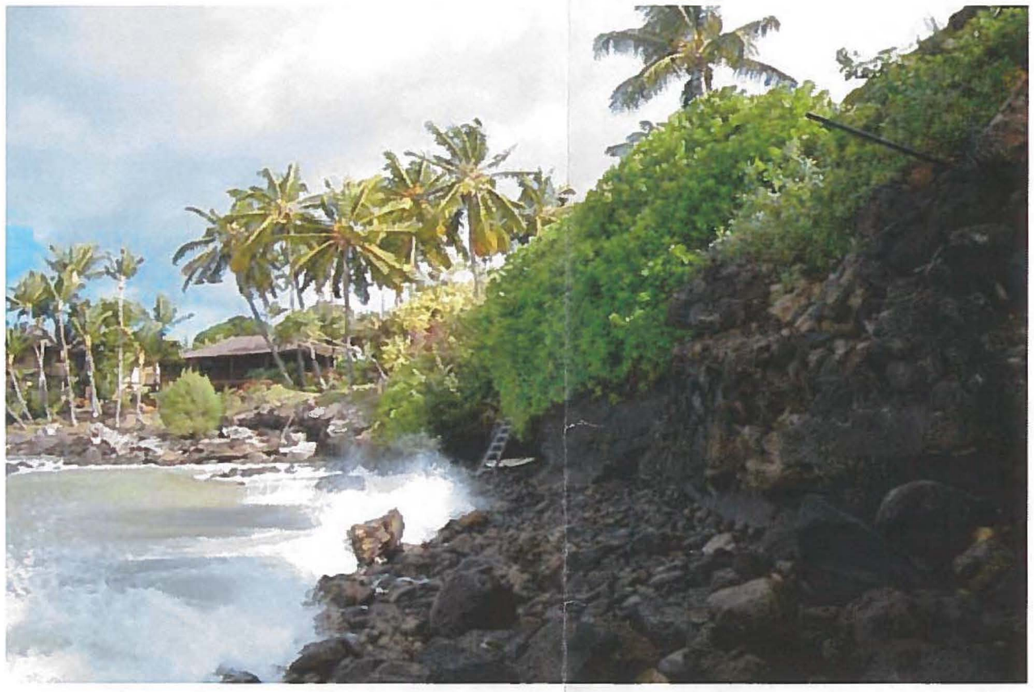
David P. Weber
Name (Please Print)

Signature

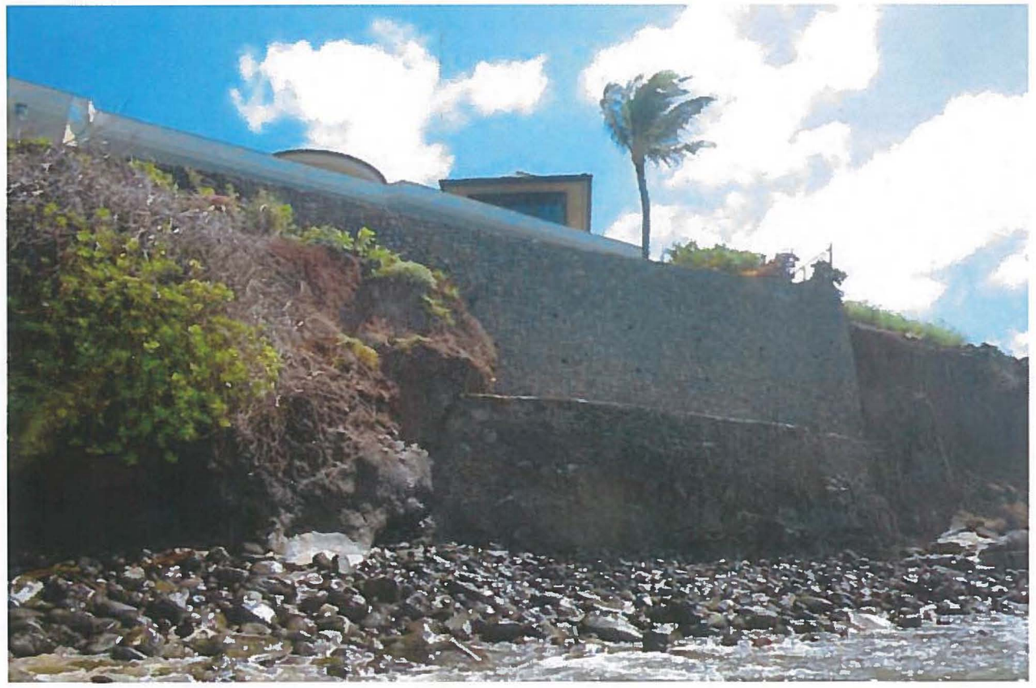
4/13/10
Date

Exhibit H
Pre- and Post-Construction Shoreline Conditions

1. View along shoreline facing south, March 20, 2008



2. View along shoreline facing north from southern property boundary, January 15, 2009



2. Completed wall and adjacent shoreline area, October 18, 2009

4. View of shoreline area and wall, facing north from Kahana Sunset property, April 29, 2010

11 Hale Malia Place
Shoreline Slope Repair

Shoreline Conditions
Pre- and Post-Construction

CHRIS HART & PARTNERS, INC.