



## CONSERVATION DISTRICT USE APPLICATION (CDUA)

All permit applications shall be prepared pursuant to HAR 13-5-31

File No.:

Acceptance Date:

180-Day Expiration Date:

Assigned Planner:

for DLNR Use

**PROJECT NAME:** Emergency Improvements in the Vicinity of 3708 Nu‘uanu Pali Drive

Conservation District Subzone: P

Identified Land Use: P-13 Land and Resource Management. C-2 (*Erosion control, including replanting of trees and groundcover, placement of biodegradable or synthetic materials for slope stabilization, construction of minor swales and check dams, not to include shoreline erosion control structures.*)

(See Hawai‘i Administrative Rules (HAR) §13-5-22 through §13-5-25)

Project Address: Vicinity of 3708 Nu‘uanu Pali Drive, State of Hawaii Parcel

Ahupua‘a, District, Island: Honolulu, O‘ahu

Tax Map Key(s): ((1) 2-2-054:001

Proposed Commencement Date: 2025

Proposed Completion Date: 2026

Estimated Project Cost: 1.25 Million Dollars

Type of permit sought  Board or  Departmental

### ATTACHMENTS

\$ 250 Application fee. 2.5% of project cost for Board Permits, but no less than \$250, up to a maximum of \$2500; \$250 for Departmental Permits (*ref §13-5-32 through 34*).

\$ 250 Public hearing fee if required (*\$250 plus publication costs; ref §13-5-40*)

- 6 copies of CDUA (*5 hard + 1 digital copy*) (*disc or cloud share; no flash drives*)
- Draft / Final Environmental Assessment (EA) or Final Environmental Impact Statement (EIS) or Statement of Exemption – See Attachment 1
- State Historic Preservation Division (SHPD) HRS 6E submittal form or Determination letter ([dlnr.hawaii.gov/shpd/review-compliance/forms](http://dlnr.hawaii.gov/shpd/review-compliance/forms)) – See Attachment 2
- Management plan or Comprehensive management plan (*ref §13-5-39*) – See Attachment 3
- Special Management Area determination (*ref Hawai‘i Revised Statutes 205A*)
- Shoreline certification (*ref §13-5-31(a)(8)*) if land use is subject to coastal hazards.
- Kuleana documentation (*ref §13-5-31(f)*) if applying for a non-conforming kuleana use.
- Boundary determination (*ref §13-5-17*) if land use lies within 50 feet of a subzone boundary.

**REQUIRED SIGNATURES**

**Applicant**

Name: Haku Milles

Title; Agency: Director, City and County of Honolulu Department of Design and Construction (DDC)

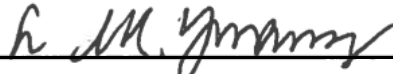
Mailing Address: 650 South King St, Honolulu, HI 96813

Contact Person & Title: Housheng Liu, Civil Engineer

Phone: 808-768-8836

Email: hliu@honolulu.gov

Interest in Property: Alteration of existing roadway and land resources for construction of soil nail wall slope stabilization structure on Nuuanu Pali Drive, which is a critical travel way for residents, tourists, and emergency vehicles.

Signature:  Date: 2/26/25

*Signed by an authorized officer if for a Corporation, Partnership, Agency or Organization*

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**Landowner (if different than the applicant)**

Name:

Title; Agency: Department of Land and Natural Resources

Mailing Address:

Phone:

Email:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

*For public lands, the government entity with management control shall sign as landowner.*

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**Agent or Consultant**


Agency: AECOM Technical Services, Inc

Contact Person & Title: Kevin Uejio, Civil Engineer & Environmental Planner

Mailing Address: 1001 Bishop Street Suite 1600, Honolulu, HI, 96813

Phone: 808-722-9487

Email: kevin.uejio@aecom.com

Signature:  Date: 3/18/25

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**For DLNR Managed Lands**

Chairperson, Board of Land and Natural Resources

P.O. Box 621

Honolulu, Hawai'i 96809-0621

Signature:  Date: May 23, 2025

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for Dawn N.S. Chang

## PROPOSED USE

Total area of proposed use (indicate in acres or sq. ft.): The total project area including all work areas, staging areas, and BMPs is approximately 7,500 square feet, as shown on Attachment 4 Drawing No. GC101 of the Construction Plans. Prior ground disturbance within this project limits includes construction of the roadway. The area of proposed use is approximately 500 square feet or 0.01 acres within the urban district for the work that is within the Nuuanu Pali Drive ROW, and approximately 7,000 square feet or 0.16 acres within the conservation district P-2 for the work that extends pasts the ROW and into TMK (1) 2-2-054:001 (owned by State of Hawaii).

Please provide a detailed description of the proposed land use(s) in its entirety. Information should describe what the proposed use is; the need and purpose for the proposed use; the size of the proposed use (provide dimensions and quantities of materials); and how the work for the proposed use will be done (methodology). If there are multiple components to a project, please answer the above for each component. Also include information regarding secondary improvements including, but not limited to, grading and grubbing, placement of accessory equipment, installation of utilities, roads, driveways, fences, landscaping, etc.

Attach all associated plans such as a location map, site plan, floor plan, elevations, and landscaping plans drawn to scale (*ref §13-5-31*).

The City and County of Honolulu (CCH) Department of Design and Construction (DDC) proposes to clear the approximately 55-foot-long section of rock wall that damaged by the uprooted banyan tree to allow for reconstruction of the wall and installation of a shotcrete soil nail wall on the adjacent slope. The slope below the edge of the roadway will be excavated to a depth of approximately 15 feet and an approximately 5-foot to 15-foot-tall reinforced concrete soil nail wall will be constructed. To support the wall, 15-foot-long soil nails will be drilled into the slope under the roadway and embedded in 8-inch diameter holes. The area behind the wall will be regraded and stabilized with hydroseed and turf reinforcement matting. The top of the soil nail wall will be at the same grade as the roadway. The soil nail wall will be colored to match the surrounding environment. A new concrete barrier with rock veneer will sit on top of the soil nail wall. Cross-section views of this work are shown on Attachment 4, Drawing No. CP301 to CP303. The existing rock wall along this section of the road is approximately 1 ½ feet tall. For public safety the new concrete barrier will be 2 ½ feet tall, but will match the original wall in form, color, and texture. The new barrier will not obstruct any views along the scenic roadway.

The other three damaged sections of rock wall will remain in place. A new approximately 80-foot-long by 2 ½-foot-tall section of rock wall will be installed in front (on the roadway side) of the existing 1 ½ -foot-tall rock wall (see Construction Plans, Drawing No. CP101). The excavation for the foundation of the new rock wall will be approximately 1 ½ feet below grade (see Construction Plans, Drawing No. S3.1).

A total of ten (10) trees are to be removed. This includes two (2) mango trees (*Mangifera indica*), four (4) ironwood trees (*Casuarina equisetifolia*), one (1) Alexander palm (*Archontophoenix alexandrae*), one (1) mulberry (*Morus nigra*) and two Chinese banyan trees.

These ten (10) trees are in direct conflict with the existing wall, new walls, and or supporting structures. In addition, the project will remove the Chinese banyan tree that previously fell. Tree removal consists of removing trees as low as possible to ground level or face of wall and then treating the stump with herbicide (Garlon 4). An additional six (6) trees are to be pruned. This includes five (5) large iconic banyan trees. The five (5) banyan trees are to be directionally pruned back, reducing their leverage and weight which will reduce the risk of them uprooting. The project will also remove vines from and prune one (1) ironwood tree.

## **EXISTING CONDITIONS**

Please describe the following, and attach maps, site plans, topo maps, colored photos, and biological or archaeological surveys as appropriate: See [Attachment 4](#) Drawing No. CP 101 for the site plan, [Attachment 5](#) for the location/TMK map, and [Attachment 6](#) for existing condition photos.

The ROW limits are approximate and do not encompass the whole road. However, the intent of the project is to construct improvements that are within the State of Hawaii parcel (hence the LUC landowner and signature).

### **Prior Conservation District Use Permits or Site Plan Approvals** (if applicable):

We have no records of previous CDUPs or site plan approvals within the project limits.

### **Existing access to site:**

Existing access to the site is provided through Nu‘uanu Pali Drive within the vicinity of 3708 Nu‘uanu Pali Drive and adjacent to 3717 and 3749 Old Pali Drive. Access to the State of Hawaii preservation district will be through the makai side roadway shoulder during construction.

### **Existing buildings/structures:**

There are no major structures or buildings located within the project sites that are conservation district use area.

### **Existing utilities** (electrical, communication, gas, drainage, water & wastewater):

The existing utility lines and electrical poles near Nuuanu Pali Drive are not within the project limits.

### **Physiography** (geology, topography, & soils):

The most common soil types found in the project area are loleka‘a silty clay (LoB, LoC, LoD, and LoF). Lokela‘a soils typically consist of well drained soils formed in alluvium and colluvium. See [Attachment 7](#) for project site soil map.

### **Hydrology** (surface water, groundwater, coastal waters, & wetlands):

The Nu‘uanu Stream is located just southeast of the limits of the project site. The stream is classified as perennial inland class 2 waters. Class 2 waters are protected due to their use for recreational purposes, the support and propagation of aquatic life, agricultural and industrial water supplies, shipping, and navigation. Additionally, the regulations state that these waters shall not act as receiving waters for any discharge which has not received the best degree of treatment or control compatible with Class 2 waters. No work shall be performed or discharged in Nu‘uanu Stream, and the stream has been observed not to have any active use for recreational, agricultural, or industrial purposes. See [Attachment 8](#) for Water Quality Standards Map.

### **Flora & fauna** (indicate if rare or endangered plants and/or animals are present):

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No rare or endangered plants were identified within the project area. Vegetation along this section of Nuʻuanu Pali Drive is comprised of non-native introduced species, including mango trees, Alexander palm, ironwood trees, Chinese banyan trees, mulberry trees, golden pothos (*Epipremnum aureum*), common lauaʻe fern (*Phymatosorus grossus*), wedelia (*Sphagneticola trilobata*), palm grass (*Setaria palmifolia*), and Guinea grass (*Megathyrsus maximus*). Additionally, no native plant species have been observed in the project area.

No rare or endangered animals are known to be present within the project area. However, the state and federally endangered Hawaiian Hoary bat or ʻōpeʻapeʻa (*Lasiurus cinereus semotus*) could use habitat at the site. Hawaiian hoary bats roost in both exotic and native trees and woody plants greater than 15 feet in height. The project involves the removal of ten (10) trees, with heights ranging from 25 to 80 feet, and the pruning of six (6) trees with heights of 70 to 120 feet. To avoid harm to hoary bat pups that cannot yet fly, all pruning and removal of woody plants over 15 feet in height will be scheduled outside the hoary bat birthing and pup rearing season, June 1 through September 15.

The state endangered Hawaiian short-eared owl or pueo (*Asio flammeus sandwichensis*) has the potential to occur but is not anticipated to nest in the project areas. The likelihood of a pueo nest being present in this densely forested and heavily vegetated slope is low. If a pueo nest is discovered, Department of Land and Natural Resources, Division of Forestry and Wildlife (DOFAW) will be notified, and a 100-foot buffer zone will be established around the nest, in which no work or clearing of vegetation will occur until nesting ceases.

Protected Hawaiian seabirds including the threatened Newell's shearwater (*Puffinus auricularis newelli*), endangered Hawaiian petrel (*Pterodroma sandwichensis*), endangered band-rumped storm-petrel (*Oceanodroma castro*), and native wedge-tailed shearwater (*Ardenna pacifica*) nest at high elevations on steep slopes and at low elevations in coastal dunes and sea cliffs, therefore, they have the potential to traverse through the project area. Lighting from night construction can disorient seabirds, resulting in collision with manmade structures or grounding of seabirds. No nighttime construction is anticipated. However, in the unlikely event of nighttime construction, all construction lighting would be downward facing and fully shielded to avoid and minimize impacts. In addition, nighttime construction work would be prohibited during the seabird fledging season from September 15 through December 15.

Endangered Hawaiian waterbirds, including the Hawaiian stilt (*Himantopus knudseni*), Hawaiian coot (*Fulica alai*), Hawaiian duck (*Anas wyvilliana*), and Hawaiian gallinule (*Gallinula galeata sandvicensis*) can be found in a variety of wetland habitats including freshwater marshes, ponds, coastal estuaries, artificial reservoirs, taro loʻi, irrigation ditches, and sewage treatment ponds. Hawaiian stilts and Hawaiian coots, are highly mobile and may occupy newly, sometimes unintentionally, created habitat for foraging and even nesting, wherever ephemeral or persistent standing water is found. The project site is located approximately 40 feet from Nuʻuanu Stream. However, Hawaiian waterbirds are not generally found in densely forested areas. If a Hawaiian

waterbird is observed in the project area, all work within 100 feet would cease and not resume until the birds leave the area of their own accord. If Hawaiian waterbirds are observed near the project area, a biologist will survey for nests in and around the project area prior to the resumption of work. Surveys will be repeated after any subsequent delay of work of 3 or more days (during which the birds may attempt to nest). If a nest is discovered DOFAW would be contacted within 48- hours for further guidance, and a 100-foot buffer would be established and maintained around all active nests and/or chicks until the chicks have fledged. No potentially disruptive activities or habitat alterations will occur within the buffer.

The state and federally endangered O'ahu 'elepaio (*Chasiempis sandwichensis ibidis*) could use habitat at the site. The project site is located approximately 1,000 feet from designated critical habitat for the O'ahu 'elepaio. An adaptable species, 'elepaio occur in a variety of forest types composed of both native and introduced species and could be present in the project area. It is anticipated that adult 'elepaio would avoid the project area during active construction and would not be affected. The nesting season for 'elepaio usually extends from February to May, but active nests have been discovered from January to July. 'Elepaio build small cup-shaped nests for grasses, moss, dried leaves, and spiderwebs, often in the forks of branches near the canopy of both native and nonnative trees. If an 'elepaio nest is discovered DOFAW would be contacted within 48- hours for further guidance, and a 100-foot buffer would be established and maintained around the nest site until the chicks have fledged.

**Natural hazards** (erosion, flooding, tsunami, seismic, etc.):

According to the Federal Emergency Management Agency (FEMA) the project site is classified as Zone D. Zone D designation is used for areas where there are possible but undetermined flood hazards. In Zone D, no analysis of flood hazards has been conducted.

**Historic & cultural resources:**

No historic properties listed on either the Hawai'i and National Register of Historic Places were identified in the project area. Previously documented historic properties within 1,000 feet of the project site include:

- James L. Coke Residence, 3649 Nu'uuanu Pali Drive;
- Edgar & Lucy Kalanikumaikiekie Davis Henriques Residence, 20 Old Pali Place;
- Robert Purvis Residence, 3346 Kaohinani Drive; and
- W.W. Goodale Moir Residence, 3311 Kahawalu Drive.

These historic properties are not located within the project area and would not be affected by the proposed work.

Only a few archaeological investigations have been conducted within the State of Hawaii preservation district area or nearby the project site. Prior archaeological studies that included work in the vicinity of the proposed project area are summarized in Table 1.

**Table 1.** Summary of historic properties and archaeological sites within the project area.

Name (Year)	Historic Property Name	Description	Distance from Project Site
Moore et al. 2006	Eastern ridge of Nu‘uanu Ahupua‘a; TMK: 1-2-2-047:005	Approximately 46-acre parcel, 450-1025 ft elevation. Two boundary walls recorded (SIHP No. 50-80-14-6767).	Approximately 1,000 feet
Hammatt 1988; Anderson & Williams 1993; Dixon et al. 1994	4121 & 4151 Nu‘uanu Pali Drive TMKs: 1-2-2055:002 & 004	SIHP No. 50-80-14-4929 – Twenty features dating to nineteenth century occupation including three retaining walls, possible boundary wall, house foundation, trash dump, stone bathhouse, terraces, drainage system, two bridges, two trails, walls and stone alignment.	Approximately 3,800 feet
Mason 1989	East side of Nu‘uanu Pali Drive across from the Board of Water Supply pumping station at Reservoir No. 3.	King Kamehameha III’s (Kauikeaouli) summer estate, Kaniakapūpū (SIHP Site No. 50-80-14-409)	Approximately 1 mile

## EVALUATION CRITERIA

The Department or Board will evaluate the merits of a proposed land use based upon the following eight criteria (*ref §13-5-30(c)*)

1. **The purpose of the Conservation District is to conserve, protect, and preserve the important natural and cultural resources of the State through appropriate management and use to promote their long-term sustainability and the public health, safety, and welfare. How is the proposed land use consistent with the purpose of the conservation district?** (*ref §13-5-1*)

The preservation district use area within the project site a small portion of a State of Hawaii parcel (TMK 1-2-2-054:001) that is adjacent to Nuuanu stream. In 2021, a large Chinese banyan tree (*Ficus macrocarpa*) was uprooted and collapsed in an area directly adjacent to Nuuanu Pali Drive (see Photos 1-2 from Attachment 6). Approximately 55-feet of the wall was damaged due to erosion from the collapse of the tree, and continuous of erosion of the southeast side and shoulder of Nuuanu Pali Drive puts the roadway at risk. Additionally, there are three other locations where portions of the cement rubble masonry (CRM) wall have been significantly damaged due to tree roots and uplifting of other trees (see Photos 3-5). Nuuanu Pali Drive is considered critical infrastructure and is the only roadway available for multiple residences in the Nuuanu area. The proposed projects will reconstruct the damaged portions of wall and stabilize the slope on the southeastern side of the road with a soil nail wall. Unstable slopes pose a significant risk to public infrastructure, transportation networks, and nearby communities. By stabilizing the slope, the project directly mitigates hazards such as rockfall and landslides, ensuring the safety of the traveling public and reducing the risk of roadway damage or closures. The design life of the soil nail wall is intended to stabilize the area where the banyan tree had previously fallen for the long term.

2. **How is the proposed use consistent with the objectives of the subzone of the land on which the land use will occur?** (*ref §13-5-11 through §13-5-15*)

The subzone of the conservation district use area is Preservation (P). HAR §13-5-11 Identifies land uses in the preservation subzone as typically to designate areas where specific uses are to preserve natural and cultural resources. According to HAR §13-5-22, P-13 Land and Resource Management C-2, the land use for the project falls under *Erosion control, including replanting of trees and groundcover, placement of biodegradable or synthetic materials for slope stabilization, construction of minor swales and check dams, not to include shoreline erosion control structures.*)

The primary objective this project would fall under for the designated land use and subzone is HAR §13-5-11 (a): *The objective of this subzone is to protect valuable natural and cultural resources in designated areas such as restricted watersheds, marine, plant, and wildlife sanctuaries, significant historic, archaeological, geological, and volcanological features and sites, and other designated unique areas.* The proposed installation of a soil nail wall will displace and remove natural resources within the footprint of the structure; however, it will also provide the following benefits that are consistent with the objectives of the subzone:

The soil nail wall stabilizes the slope, preventing erosion and sediment runoff that could degrade nearby water bodies, vegetation, and wildlife habitats. Slope stabilization prevents landslides and soil loss, maintaining the integrity of the land and reducing the need for future corrective measures. By using soil nails, which are a minimally invasive engineering solution, the project helps preserve the natural topography while reinforcing the stability of the roadway. Additionally, Best Management Practices (BMPs) including the use of compost filter socks will be implemented to ensure minimal impacts downhill of the project area and within the adjacent Nuuanu Stream.

**3. Describe how the proposed land use complies with the provisions and guidelines contained in chapter 205A, HRS, entitled “Coastal Zone Management” (see 205A objectives on p. 9).**

Consistency and compliance with Hawai‘i’s Coastal Zone Management is not required as this project is not within a coastal zone.

**4. Describe how the proposed land use will not cause substantial adverse impact to existing natural resources within the surrounding area, community or region.**

Although construction of the soil nail wall will require the removal of several trees, these trees have been identified as non-endangered/significant/exceptional trees that are causing damage to the existing CRM rock wall or, in the case of the large Chinese banyan tree at the project site, have already fallen over and are decaying. Therefore, no substantial adverse impact is expected. Additionally, as stated in the previous section 2 BMPs will be implemented in the project which includes the dust control, spill prevention, solid waste management, etc. that will minimize impacts to Nuuanu Stream.

**5. Describe how the proposed land use, including buildings, structures and facilities, is compatible with the locality and surrounding areas, appropriate to the physical conditions and capabilities of the specific parcel or parcels.**

The construction of a soil nail wall and repairs to the existing CRM wall will be implemented as a long-term solution for the slope stabilization and general safety of Nuuanu Pali Drive. By ensuring the adjacent earthen slopes of the roadway are adequately protected from erosion, it will prevent trees from collapsing during strong storm events.

**6. Describe how the existing physical and environmental aspects of the land, such as natural beauty and open space characteristics, will be preserved or improved upon.**

The existing CRM wall is still left as existing except where the soil nail wall is being installed, and the wall is being installed downhill on the southeast side of Nuuanu Pali Drive. There will be no impact to natural views of the existing landscape and open spaces.

**7. If applicable, describe how subdivision of land will not be utilized to increase the intensity of land uses in the Conservation District.**

The project is intended to have minimal impact to the adjacent Nuuanu Stream and the soil nail wall is a slope stabilization measure that will help to reduce erosion within the adjacent

roadway and area. There is no expected increase in the intensity of land uses outside the footprint of the soil nail wall.

**8. Describe how the proposed land use will not be materially detrimental to the public health, safety and welfare.**

The project will be beneficial to public health, safety, and welfare by making Nuuanu Pali Drive (which is critical road structure for the resident that live mauka bound beyond this road) less prone to erosion. The soil nail wall will stabilize the embankment and earthen slopes on the southeast side of the roadway where damage had been done to the CRM wall from a tree that had fallen due to erosion caused by a storm event. With the wall installed, the roadway will be much less likely to be damaged during a storm event.

Additionally, the Neighborhood Board No. 12 (Nuuanu and Punchbowl Area) will be notified and consulted with regarding the project and emergency improvements.

## **CULTURAL IMPACTS**

Articles IX and XII of the State Constitution, other state laws, and the courts of the State, require government agencies to promote and preserve cultural beliefs, practices, and resources of Native Hawaiian and other ethnic groups.

**Please provide the identity and scope of cultural, historical, and natural resources in which traditional and customary native Hawaiian rights are exercised in the area.**

In terms of both cultural and historical resources, the archeological studies listed in the previous table 1 indicate that there are a few boundary walls, bridges, and other structures from the 18<sup>th</sup> and 19<sup>th</sup> century that are within the relative vicinity of the project area but not directly within the limits. Additionally, Nuuanu Pali Drive was previously a part of the Old Pali Road, which provided access to Kamehameha III summer residence (Kaniakapupu). Please see Attachment 2 for the SHPD 6E-8 review and determination for further details.

**Identify the extent to which those resources, including traditional and customary Native Hawaiian rights, will be affected or impaired by the proposed action.**

No resources have been identified to be impaired or affected, and SHPD has given this project concurrence on “No Historic Properties affected”. (See Attachment 2 for Determination Letter)

**What feasible action, if any, could be taken by the Board of Land and Natural Resources regarding your application to reasonably protect Native Hawai’i rights?**

The Board of Land and Natural Resources can provide comment if they identify that a resource will be affected or impaired by the project and DDC will revise to minimize or remove the impact.

## **OTHER IMPACTS**

**Does the proposed land use have an effect (positive/negative) on public access to and along the shoreline or along any public trail?**

No shoreline is within the project area.

**Does the proposed use have an effect (positive/negative) on beach processes?**

No beach is within the project area.

**Will the proposed use cause increased sedimentation?**

No beach is within the project area. Sedimentation or erosion adjacent to the roadway will be reduced after the soil nail wall is installed.

**Will the proposed use cause any visual impact on any individual or community?**

No visual impact is expected, other than the portion of the soil nail wall (approximately 50 LF) being concrete barrier with rock veneer instead of CRM wall (the existing wall is CRM).

**Please describe any sustainable design elements that will be incorporated into the proposed land use (e.g. the use of efficient ventilation and cooling systems; renewable energy generation; sustainable building materials; permeable paving materials; efficient energy and water systems; efficient waste management systems; etc.).**

On-site material will be used for the grading work.

**If the project involves landscaping, please describe how the landscaping is appropriate to the Conservation District (e.g. use of indigenous and endemic species; xeriscaping in dry areas; minimizing ground disturbance; maintenance or restoration of the canopy; removal of invasive species; habitat preservation and restoration; etc.)**

The seeding over the reinforcement matting will match the existing landscape.

**Please describe Best Management Practices that will be used during construction and implementation of the proposed land use.**

Two filter sock barriers will be installed 10 feet and 25 feet back from the installation of soil nail wall and other improvements, with a total length of approximately 350 feet. See Attachment 4 for Drawing No. GC001 and GC101 for BMPs that will be used for the project.

**Please describe the measures that will be taken to mitigate the proposed land use's environmental and cultural impacts.**

NO SIGNIFICANT ENVIRONMENTAL OR CULTURAL IMPACTS ARE EXPECTED FROM THE PROJECT'S LAND USE.

**SINGLE FAMILY RESIDENTIAL STANDARDS N/A**

Single Family Residences must comply with the standards outlined in HAR Chapter 13-5, Exhibit 4. Please provide preliminary architectural renderings (e.g. building foot print, exterior plan view, elevation drawings; floor plan, etc.) drawn to scale.

SIZE OF LOT

	Existing	Proposed	Total
Proposed building footprint			
Paved areas/ impermeable surfaces			
Landscaped areas			
Unimproved areas			

SETBACKS      Front:                      Side:                      Back:

SHORELINE PROPERTIES

Average Lot Depth (ALD):                      Average annual coastal erosion rate:  
Minimum shoreline setback based on Exhibit 4:  
Actual shoreline setback or proposed structure:

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MAXIMUM DEVELOPABLE AREA

The Maximum Developable Area includes all floor areas under roof, including first, second, and third stories, decks, pools, saunas, garage or carport, and other above ground structures.

Maximum Developable Area based on Exhibit 4:  
Actual Developable Area of proposed residence:  
Actual height of the proposed building envelope as defined in Exhibit 4:

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COMPATIBILITY

Provide justification for any proposed deviation from the established residential standards.

Click or tap here to enter text.

How is the design of the residence compatible with the surrounding area?

Click or tap here to enter text.

If grading is proposed, include a grading plan which provides the amount of cut and fill. Has grading or contouring been kept to a minimum?

Click or tap here to enter text.

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## CHAPTER 205A – COASTAL ZONE MANAGEMENT

Land uses are required to comply with the provisions and guidelines contained in Chapter 205A, Hawai'i Revised Statutes (HRS), entitled "Coastal Zone Management," as described below:

- **Recreational resources:** Provide coastal recreational opportunities accessible to the public.
- **Historic resources:** Protect, preserve, and, where desirable, restore those natural and manmade historic and prehistoric resources in the coastal zone management area that are significant in Hawaiian and American history and culture.
- **Scenic and open space resources:** Protect, preserve, and, where desirable, restore or improve the quality of coastal scenic and open space resources.
- **Coastal ecosystems:** Protect valuable coastal ecosystems, including reefs, from disruption and minimize adverse impacts on all coastal ecosystems.
- **Economic uses:** Provide public or private facilities and improvements important to the State's economy in suitable locations.
- **Coastal hazards:** Reduce hazard to life and property from tsunami, storm waves, stream flooding, erosion, subsidence, and pollution.
- **Managing development:** Improve the development review process, communication, and public participation in the management of coastal resources and hazards.
- **Public participation:** Stimulate public awareness, education, and participation in coastal management.
- **Beach protection:** Protect beaches for public use and recreation.
- **Marine resources:** Promote the protection, use, and development of marine and coastal resources to assure their sustainability.

## CERTIFICATION

I hereby certify that I have read this completed application and that, to the best of my knowledge, the information in this application and all attachments and exhibits is complete and correct. I understand that the failure to provide any requested information or misstatements submitted in support of the application shall be grounds for either refusing to accept this application, for denying the permit, or for suspending or revoking a permit issued based on such misrepresentations, or for seeking of such further relief as may seem proper to the Land Board.

I hereby authorize representatives of the Department of Land and Natural Resources to conduct site inspections on my property. Unless arranged otherwise, these site inspections shall take place between the hours of 8:00 a.m. and 4:30 p.m.



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*Signature of authorized agent(s) or if no agent, signature of applicant*

## AUTHORIZATION OF AGENT

I hereby authorize Kevin Uejio to act as my representative and to bind me in all matters concerning this application.



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*Signature of applicant(s)*