

State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Honolulu, Hawaii 96813

February 8, 2013

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

SUBJECT: Request for Approval of the Placement of Act 82, SLH 03, Warning Signs at Identified Locations of Nuuanu Pali State Wayside and Ka Iwi State Scenic Shoreline, Oahu

**Background Information on Act 82, SLH 03, Warning Signs:**

Act 82, 2003 Session Laws Hawaii, relating to Public Land Liability, established a process for installing and maintaining warning signs on improved public lands, and provides the State and Counties with protection from liability for damages caused by the dangerous natural conditions that are identified through the signage. Pursuant to Act 82, the board is to review and approve of the design and placement of these types of signs. The Board, following the recommendations of a Risk Assessment Working Group (RAWG) reviewed and approved the sign design as dictated by Chapter 13-8, Hawaii Administrative Rules (HAR). All subsequent sign placement at park and trail locations under the Department and County jurisdiction are submitted for review by the RAWG and approved by the Board.

Sign Placement Criteria: Pursuant to Chapter 13-8, HAR, the following guidelines have been used for determination of the placement of signage:

§13-8-9 Public use and exposure. (a) Traffic patterns and managed access points of people accessing the improved public lands shall be considered when placing signs. (b) The type, frequency, and location of incidents or potential public exposure relating to specific dangerous natural conditions when known on the improved public lands shall be considered when placing signs.

§ 13-8-10 Placement. Sign(s) shall be placed at or near access points; i.e., along vehicle and pedestrian traffic corridors in clearly visible locations placed as close as possible to the potentially dangerous natural conditions on improved public lands and at managed and

**ITEM E-2**

designated entrances where the signs will be seen as users enter improved public lands. View sheds, aesthetics, and feasibility of installation shall be considered in the placement of the signs. Signs shall be installed with consideration for the average adult line-of-sight but outside of the general path of travel to avoid physical contact with the signs. Signs may be attached to posts or by any other method of installation depending on the nature of the location and terrain.

The Division of State Parks (DSP) has circulated the proposed sign locations to the RAWG and there were no recommendations for revisions. DSP is now requesting Board approval for the placement of Act 82 warning and management signs at Nuuanu Pali State Wayside and Ka Iwi State Scenic Shoreline, Oahu.

1. **NUUANU PALI STATE WAYSIDE, OAHU**

At its meeting of August 22, 2008, the Board of Land and Natural Resources approved the installation of four (4) Danger-Falling rock signs at the Nuuanu Pali State Wayside, Oahu. Following a recent rock fall, State Parks management has re-evaluated the signage there, and is requesting approval of an additional Danger Falling rock sign, and relocation of two existing signs to optimize visibility.

The modification is to install a second sign near sign location OA000014 so visitors will be faced with two warning signs advising them of falling rock hazard from the cliffs above and relocation of signs OA000012 and OA000013 closer to the walkways to maximize their visibility.

The current approved locations are attached for reference as Exhibits E1, E2, and E3.

The revised locations are indicated as Exhibit A.

2. **KA IWI STATE SCENIC SHORELINE, OAHU**

The Division of State Parks is proposing installation of four natural hazard warning signs at Ka Iwi. The area is popular for hiking and whale watching. Parking areas and lookouts have been constructed, and an existing road is used as a hiking trail. People explore off the established trail in areas where they could be exposed to hazardous cliffs and falling rocks. There have been injuries and rescues associated with people accessing these areas. There is potential exposure to falling rocks and hazardous cliffs throughout the site. State Parks is proposing installation of four signs; two at each of the parking lots. These signs will be Warning - Falling Rocks, and Warning - Hazardous Cliff signs posted in the locations indicated on Exhibit B to be visible to park users entering the area.

RECOMMENDATION:

That the Board approves the placement of warning signs at Nuuanu Pali State Wayside and Ka Iwi State Scenic Shoreline as shown on exhibits A and B.

Respectfully submitted,



DANIEL S. QUINN  
State Parks Administrator

APPROVED FOR SUBMITTAL:



WILLIAM J. AILA, JR., Chairperson

Attachments:

- Exhibit A: Legend, Map, and Photos depicting placement of signs at Nuuanu Pali State Wayside, Oahu
- Exhibit B: Legend, Map, and Photos depicting placement of signs at Ka Iwi State Scenic Shoreline, Oahu
- Exhibit E: Previously approved sign locations at Nuuanu Pali State Wayside, Oahu

**EXHIBIT A**

**DLNR Division: State Parks**  
**Site/State Park: Nuuanu Pali State Wayside**

**Island: Oahu**

**Exposure to Natural Conditions: Falling Rocks**

**Entrance Hazard Signs:**

**Station: OA00012      Warning Falling Rocks (WFRE)**

**Site Specific Hazard Signs:**

**Danger Falling Rocks (DFRS)**

**Danger Falling Rocks (DFRS)**

**Station: OA00013      Danger Falling Rocks (DFRS)**

**Station: OA00014a**

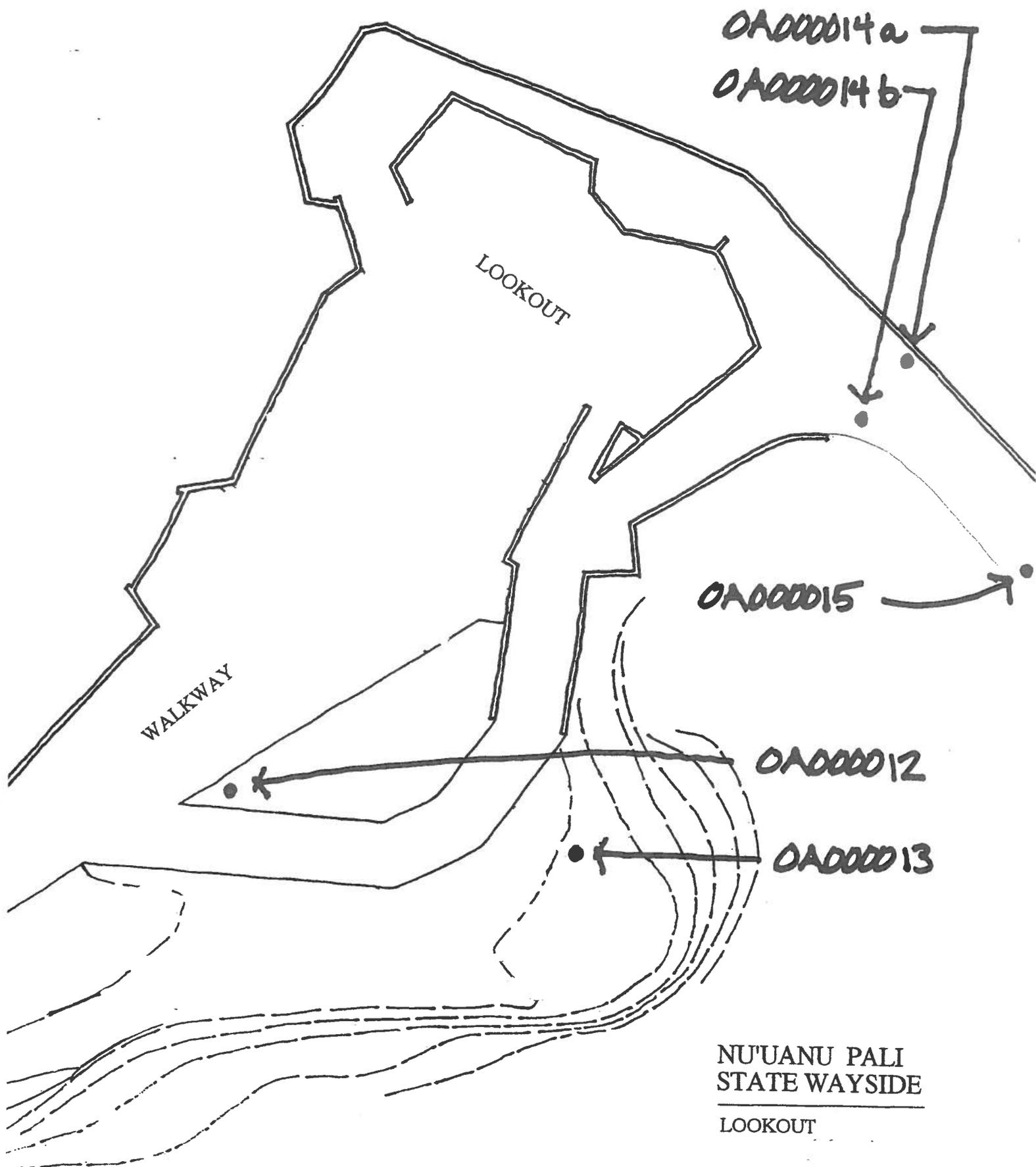
**Station: OA00014b**

**Station: OA00015      Danger Falling Rocks (DFRS)**

**See attached:**

**Exhibit A.1 Map of sign locations**

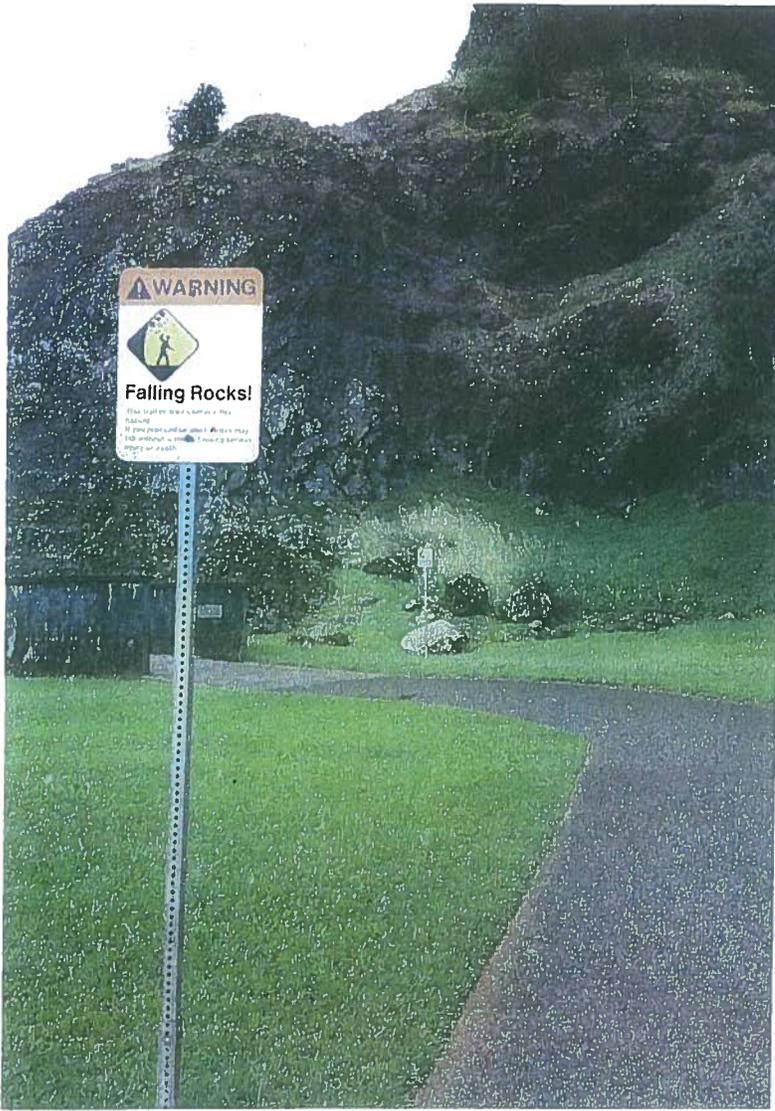
**Exhibit A.2 Photos of sign locations**



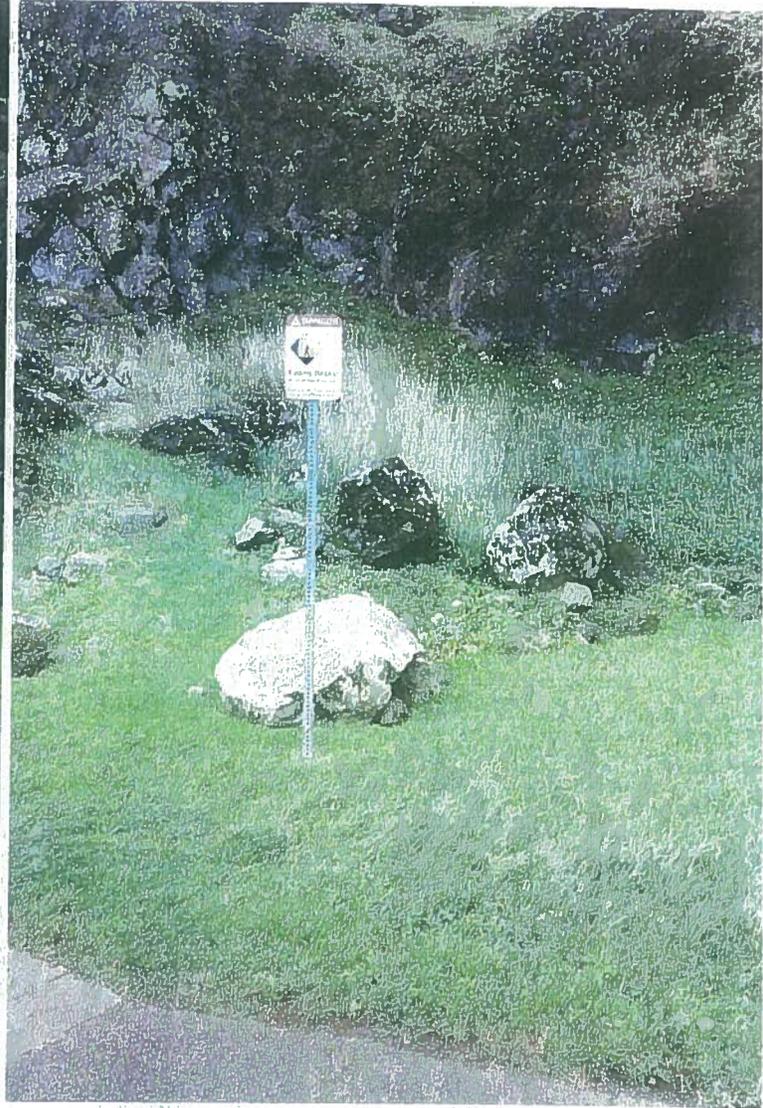
NU'UANU PALI  
STATE WAYSIDE  

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LOOKOUT



0A000012



0A000013

0A000015



0A000014 a

0A000014 b

**EXHIBIT B**

**DLNR Division: State Parks      Island: Oahu**  
**State Park: Ka Iwi State Scenic shoreline**

**Exposure to Natural Conditions: Falling Rocks, Hazardous Cliff**

**Entrance: Hazard Signs**

<b>Location 1:</b>	<b>Warning Falling Rocks (WFRE)</b> <b>Warning Hazardous Cliff (WHCE)</b>
<b>Location 2:</b>	<b>Warning Falling Rocks (WFRE)</b> <b>Warning Hazardous Cliff (WHCE)</b>

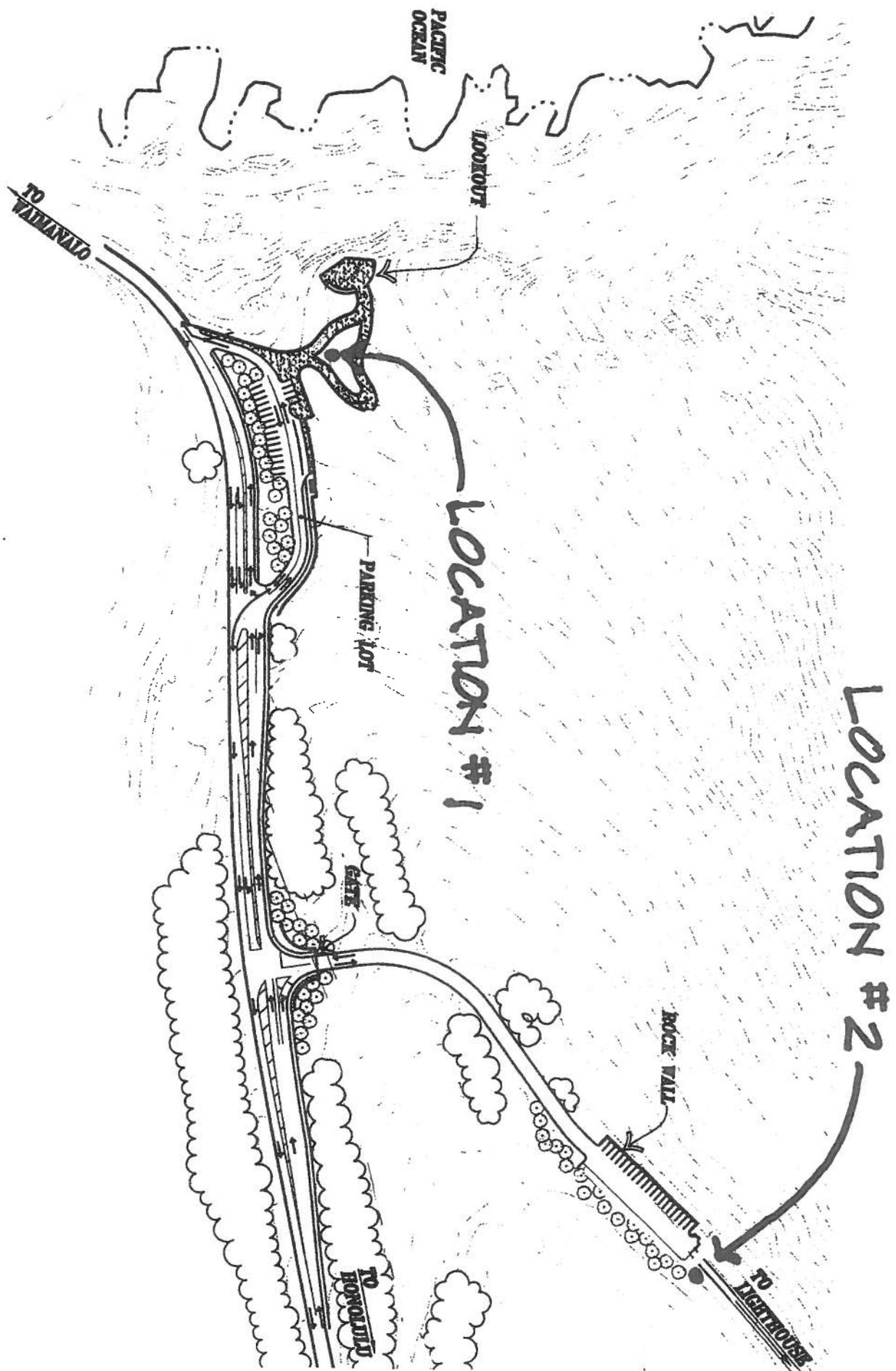
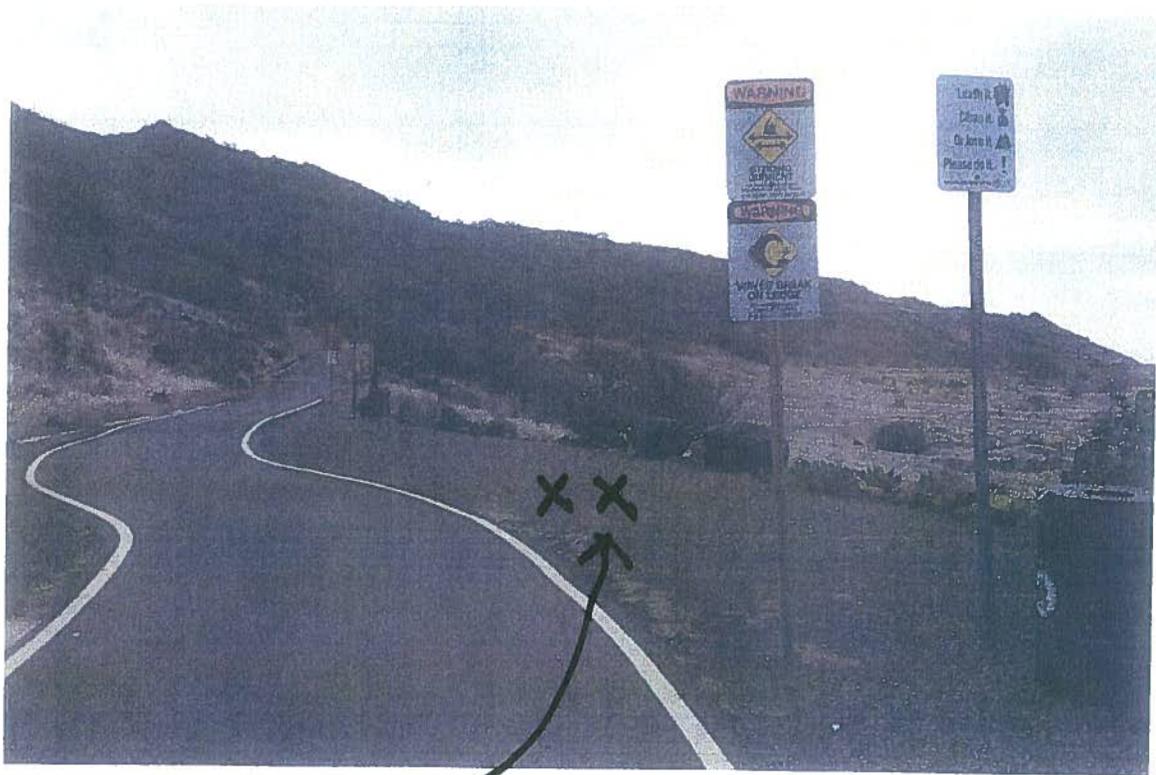


EXHIBIT B.1



LOCATION # 1



LOCATION # 2

**EXHIBIT E**

**DLNR Division: State Parks    Island: Oahu    Site/State Park: Nuuanu Pali State Wayside**

**Exposure to natural conditions:    Falling rocks**

**Entrance Hazard Signs:**

**Station: OA00012**

**Danger Falling Rocks (DFRE)**

**Station: OA00014**

**Danger Falling Rocks (DFRE)**

**Site Specific Hazard Signs:**

**Station: OA00013**

**Danger Falling Rocks (DFRS)**

**Station: OA00015**

**Danger Falling Rocks (DFRS)**

**See attached:**

**Exhibit E.1**

**Map of sign locations**

**Exhibit E.2 and E.3**

**Aerial photo and photos of sign locations**

**SUPERSEDED**

