

KAHUKU NIKE MISSILE BATTERY OA-17
(Hawaii Nike Missile Site 2)
(Schofield Barracks Military Reservation, Kahuku Training Facility)
North Shore area, foothills southwest of Kahuku
Kahuku vicinity
Honolulu County
Hawaii

HAER HI-69
HAER HI-69

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

FIELD RECORDS

HISTORIC AMERICAN ENGINEERING RECORD
PACIFIC GREAT BASIN SUPPORT OFFICE
National Park Service
U.S. Department of the Interior
1111 Jackson Street
Oakland, CA 94607

ADDENDUM TO:
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Seventeen pages were previously transmitted to the Library of Congress in 2011.

Location: The Kahuku Nike Missile site is located in the Schofield Barracks Military Reservation Kahuku Training Area, on the island of Oahu in Hawaii. The site is in the foothills above Kahuku, off of Kamehameha Highway, on Oahu's northwest shore.

UTM: Launcher Area	Control Area	Administration Area
4/605440/2396120	4/603560/2396130	4/605040/2396410
4/605480/2395930	4/603430/2395860	4/605000/2396260
4/605190/2395880	4/603340/2395920	4/604940/2396280
4/605160/2396060	4/603470/2396200	4/604980/2396430

Date of Construction: 1960

Engineer: United States Army with Contractors

Architect: United States Army with Contractors

Present Owner: United States Army

Present Occupant: United States Army

Present Use: Training for United States Army troops

Significance: The Kahuku site is significant as an intact example of a Cold War Nike missile site, and reflects an important development in the history of American civil air defense. The site is also important as part of the Nike missile program, as the Hawaii and Alaska Nike missile sites were the only Nike anti-aircraft installations in the United States that actually fired missiles from their tactical sites. The Kahuku site has substantial importance as the most intact of the Nike missile sites remaining in Hawaii.

Project Information: Due to its significance, the Hawaii State Department of Natural Resources State Historic Preservation Officer (SHPO) requested, in a letter dated November 8, 2005, various documentation of the site as mitigation for a proposed Combined Arms Collective Training Facility (CACTF) project

at Kahuku Training Area, which is part of the 25th Infantry Division's Stryker Brigade Combat Team conversion.

In accordance with the SHPO letter, this HAER Addendum fulfills documentation of the historical site conditions of the Kahuku Nike Site prior to new CACTF construction through a collection of topography maps, GIS images and aerial photographs, oblique and ground-level photographs, historic site plans and drawings, and CACTF construction plans.

This addendum written description was prepared by Wendie McAllaster, EA/HHF Joint Venture, Honolulu, Hawaii under Army contract W9128A-08-D-0008. Table 1 is a list of references. Table 2 lists the figures that are included in the following pages.

Date:

May 2011

Table 1: References

Hawaii State Archives, Honolulu, Hawaii
US Army Corps of Engineers, POH-PP-E
US Army Garrison-Hawaii, Department of Public Works (DPW)
US Department of Agriculture, 1965 Aerial Photo
US Geological Survey, Aerial Photos (1977, 2005)
US Geological Survey, Island of Oahu Map, 1:62,500 (1959, 1970)
US Geological Survey, Kahuku and Waimea Topography Maps (1943)
US Geological Survey, Kahuku Quadrangles (1983, 1998)

Table 2: Listing of Figures

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PRE-NIKE ERA		
	2	1943 Topography Map
	3	1959 Topography Map
NIKE ERA 1960s to 1970s		
	4	1970 Topography Map
	5	1960s Kahuku Nike Plans
	6	1960s Kahuku Nike Launcher Plan
	7	1965 Aerial Photo
	8	1965 Aerial Photo, Administrative & Launcher Areas
	9	1965 Aerial Photo, Control Area
	10	1960s Oblique Aerial, Administrative & Launcher Areas
	11	1960s Photographs
	12	1977 Aerial Photo, Administrative & Launcher Areas
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POST-NIKE ERA 1980s to 2009		
	14	1983 Topography Map
	15	Kahuku Training Area Site Map, 1985
	16	KTA Site Map – Close-up
	17	1998 Topography Map
	18	2005 Aerial Photo, Administrative & Launcher Areas
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	20a-g	2005 Oblique Aerial Photos
PROPOSED CACTF PROJECT		
	21	Combined Arms Collective Training Facility (CACTF) Site Plan
	22	CACTF Proposed Grading and Clearing Areas

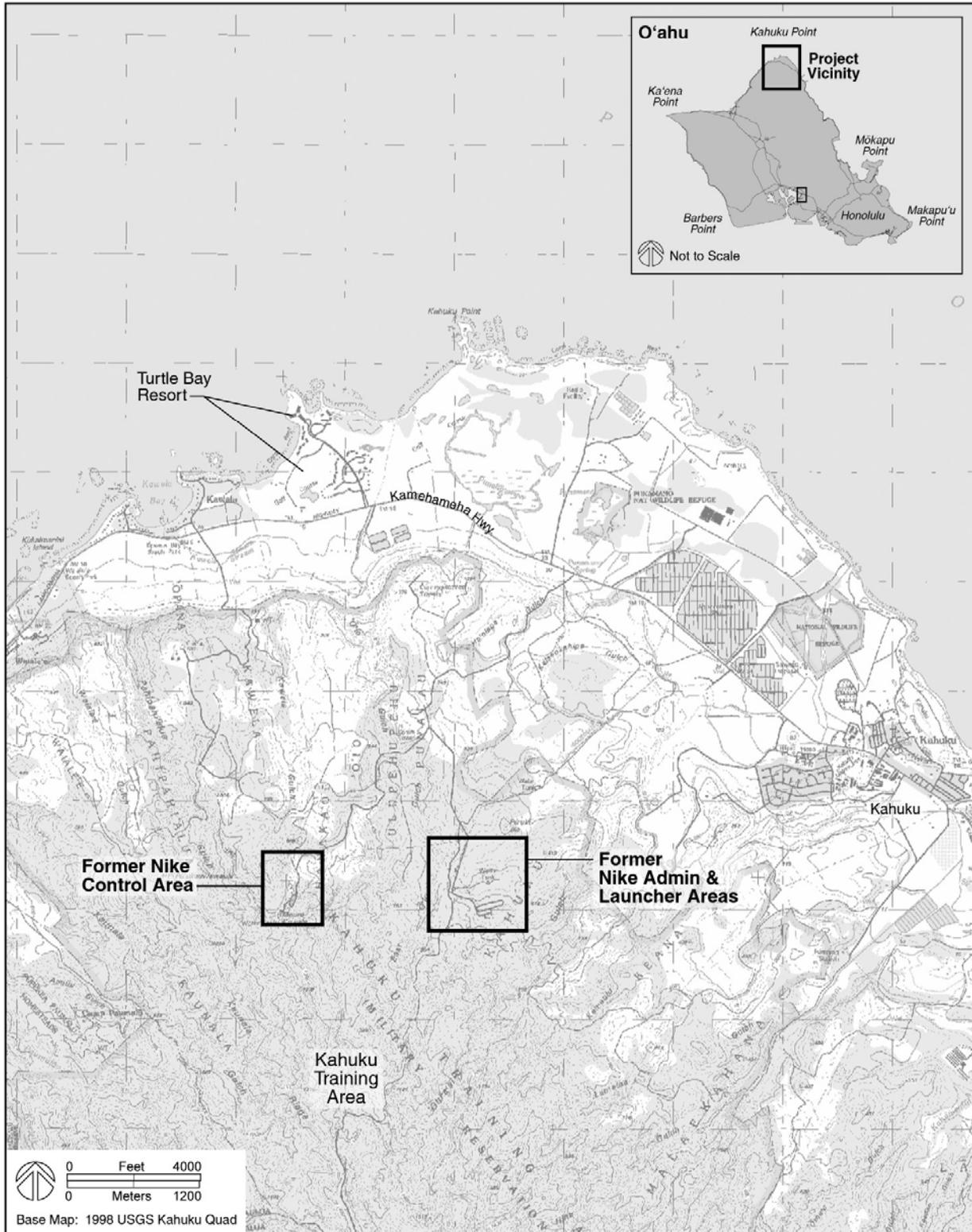


Figure 1: Study Area

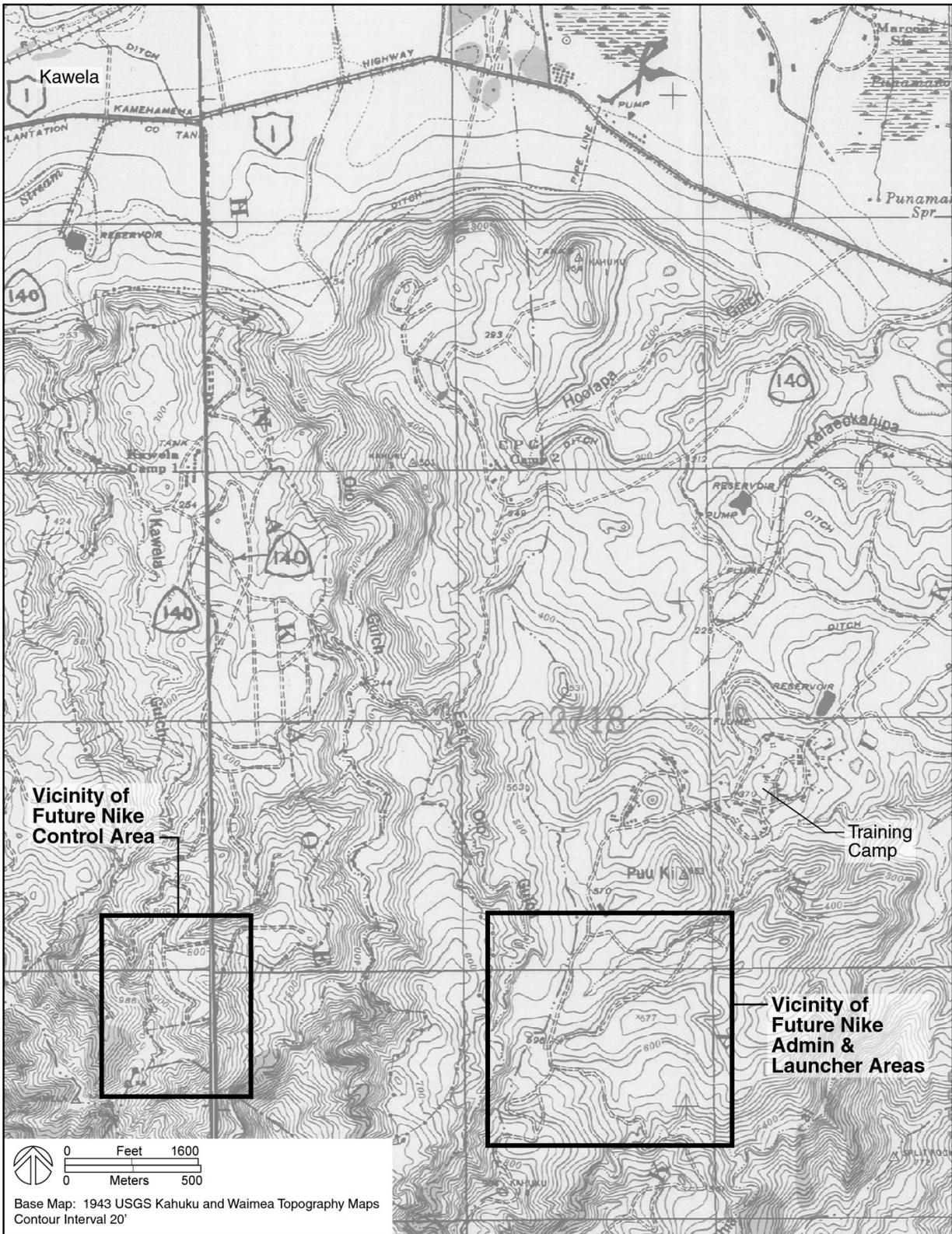


Figure 2: 1943 Topography Map

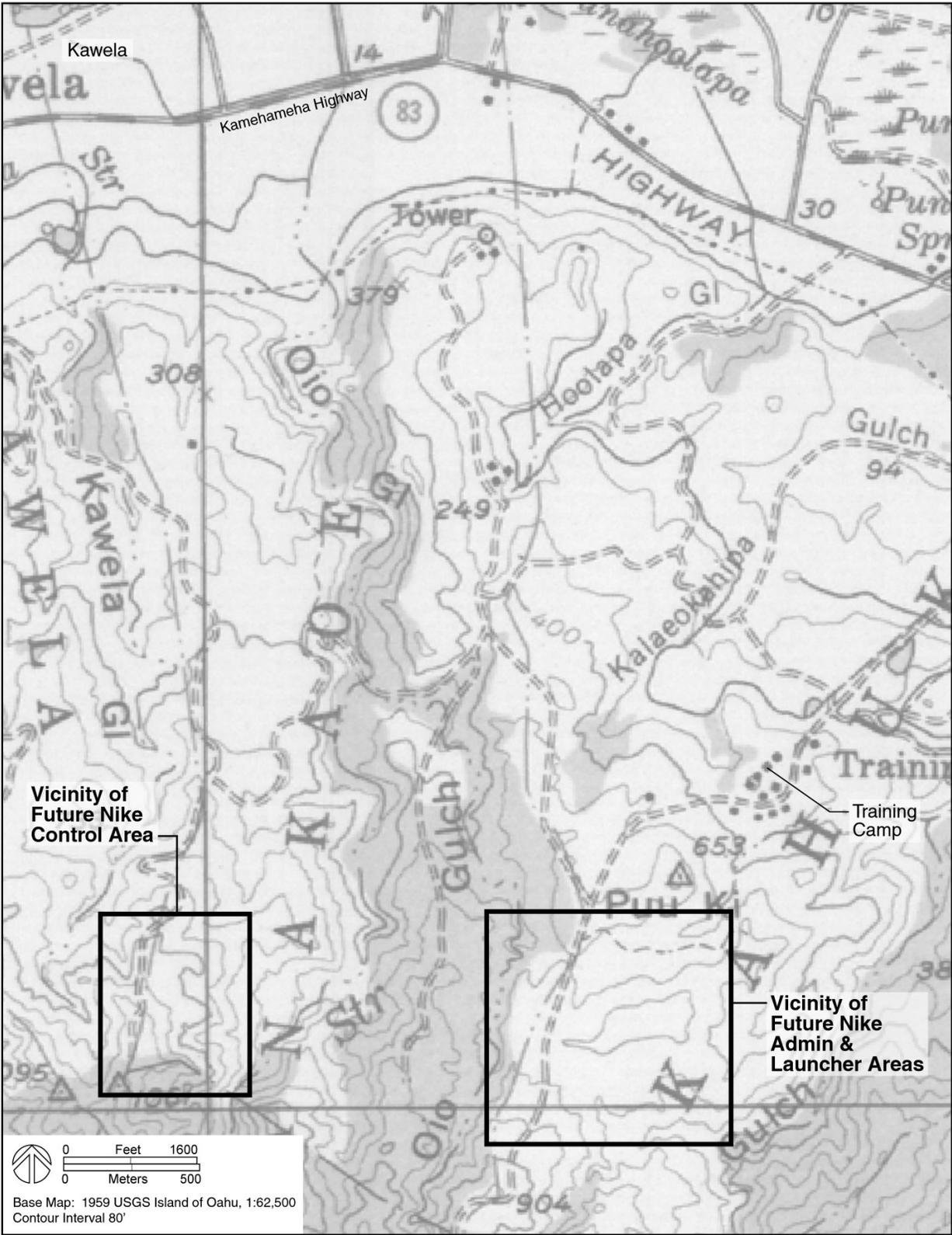
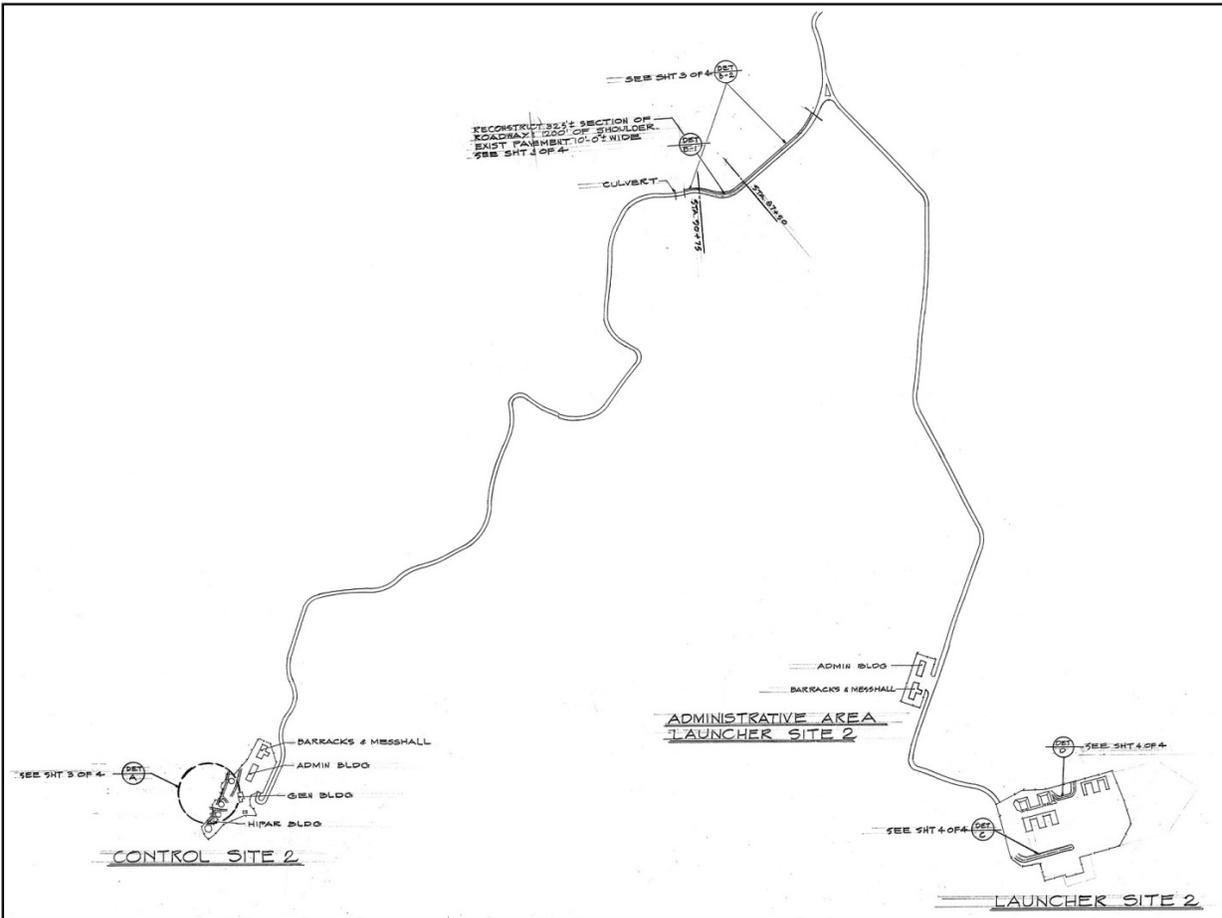
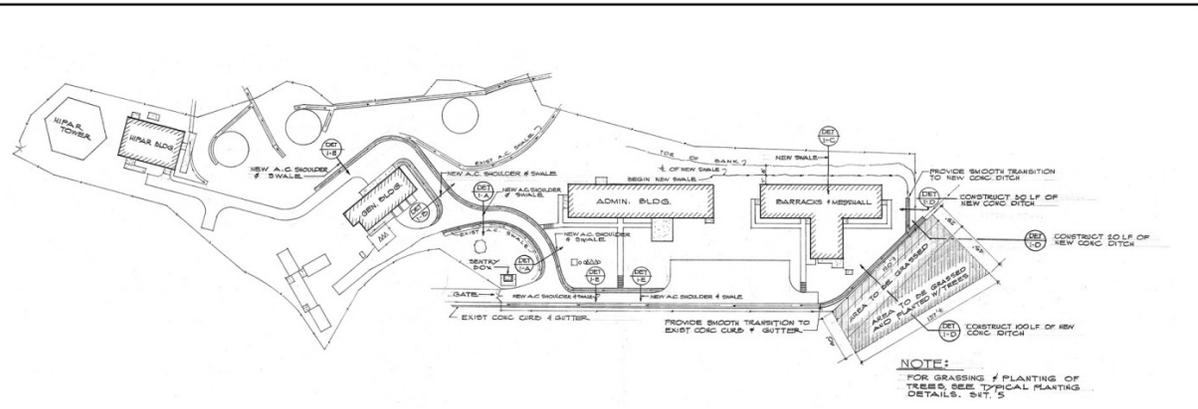


Figure 3: 1959 Topography Map



Kahuku Nike Site, General Site Plan, 2 Feb. 1968

 Drawing: Office of the Engineer, HQS US Army Hawaii, Repair Roads and Storm Drainage, General Site Plan
 Source: US Army Garrison-Hawaii, DPW, Environmental Division (J. Sommer).
 DPW Historic Map Scan File Name: 4781.tif



Kahuku Control Site, Detailed Site Plan, 23 Sept. 1963

 Drawing: Office of the Engineer, HQS US Army Hawaii, Erosion Control Detailed Site Plan
 Source: US Army Garrison-Hawaii, DPW, Environmental Division (J. Sommer).
 DPW Historic Map Scan File Name: 3388.tif

Figure 5: 1960s Kahuku Nike Site Plans

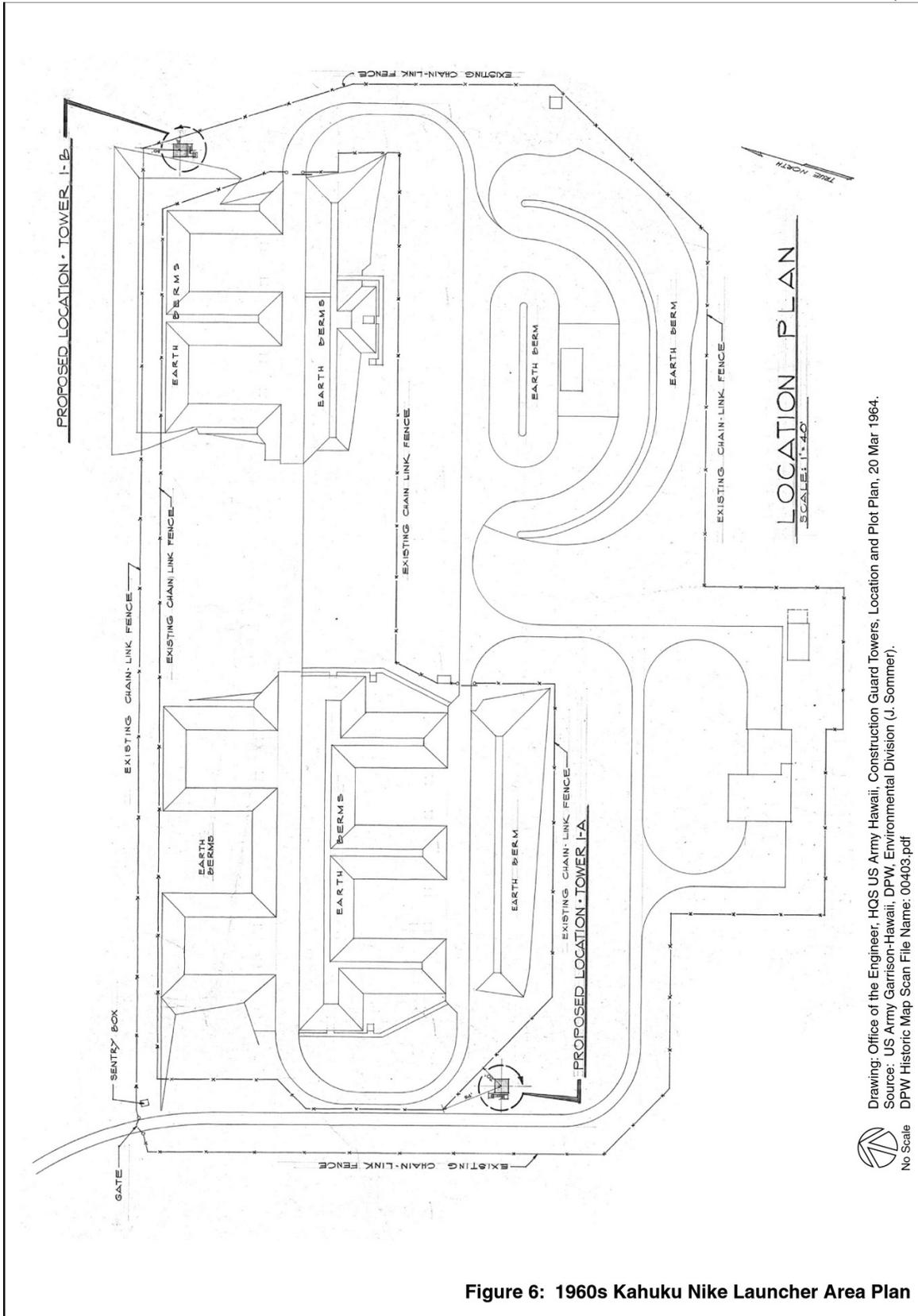


Figure 6: 1960s Kahuku Nike Launcher Area Plan

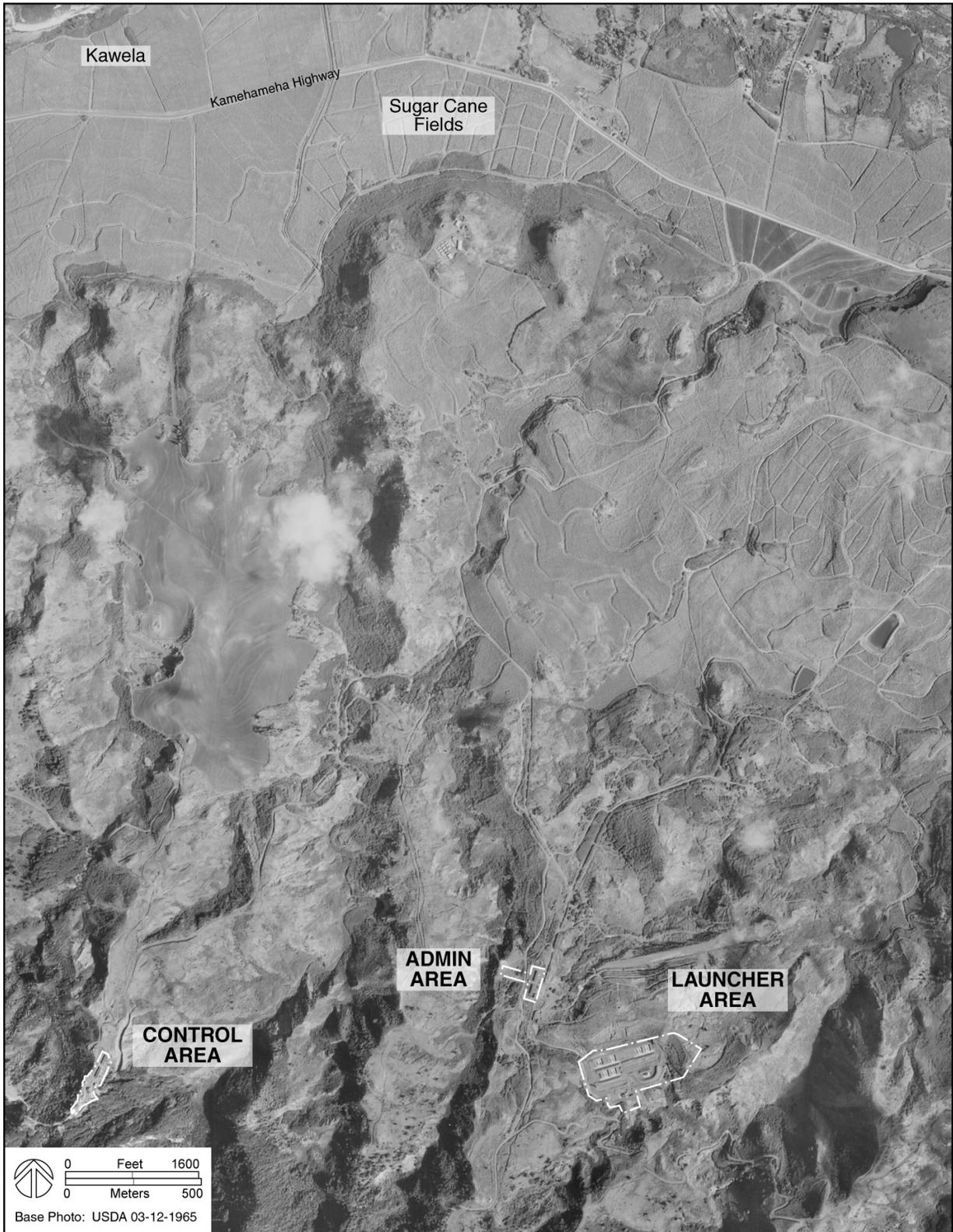


Figure 7: 1965 Aerial Photo

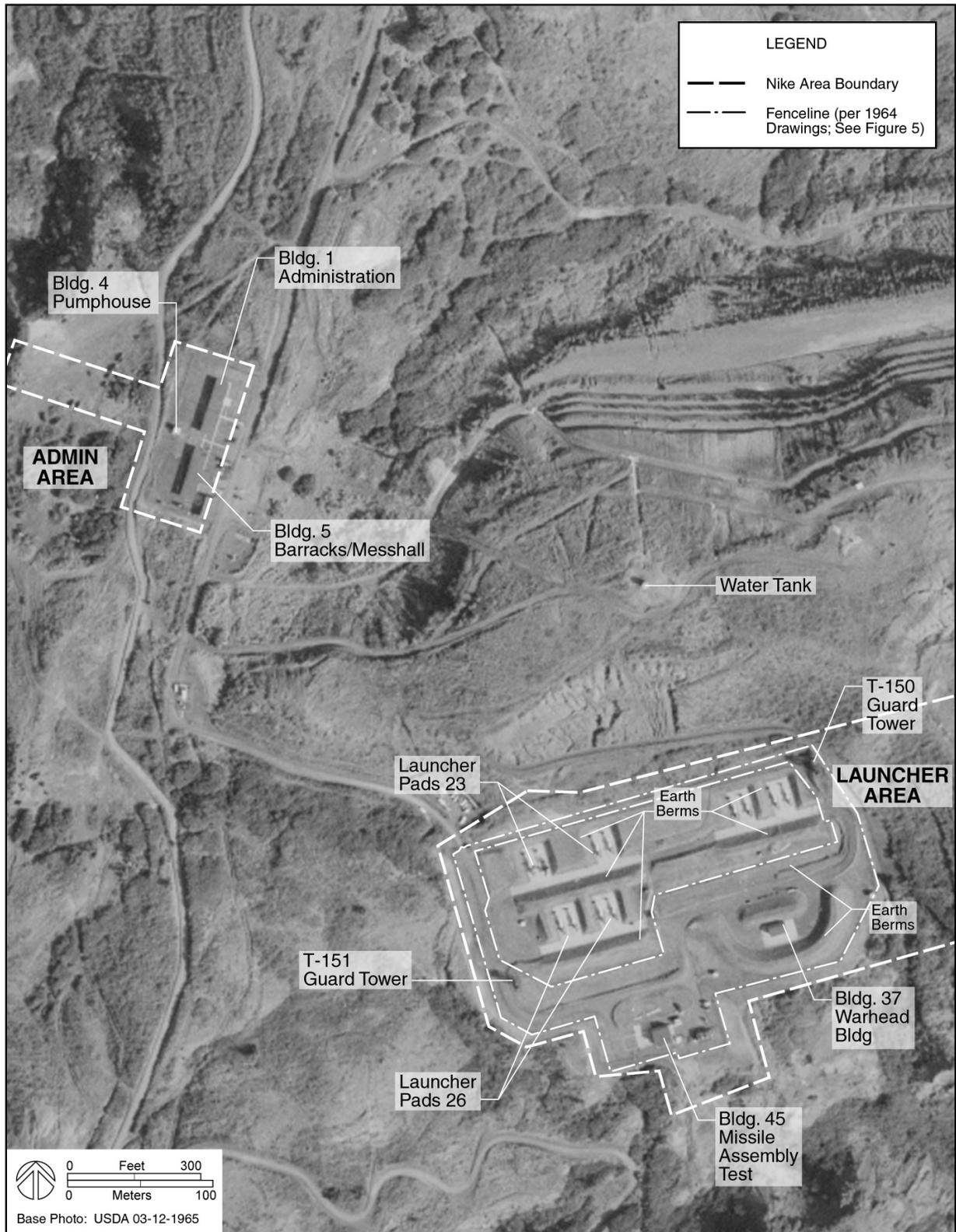


Figure 8: 1965 Aerial Photo - Administrative & Launcher Areas

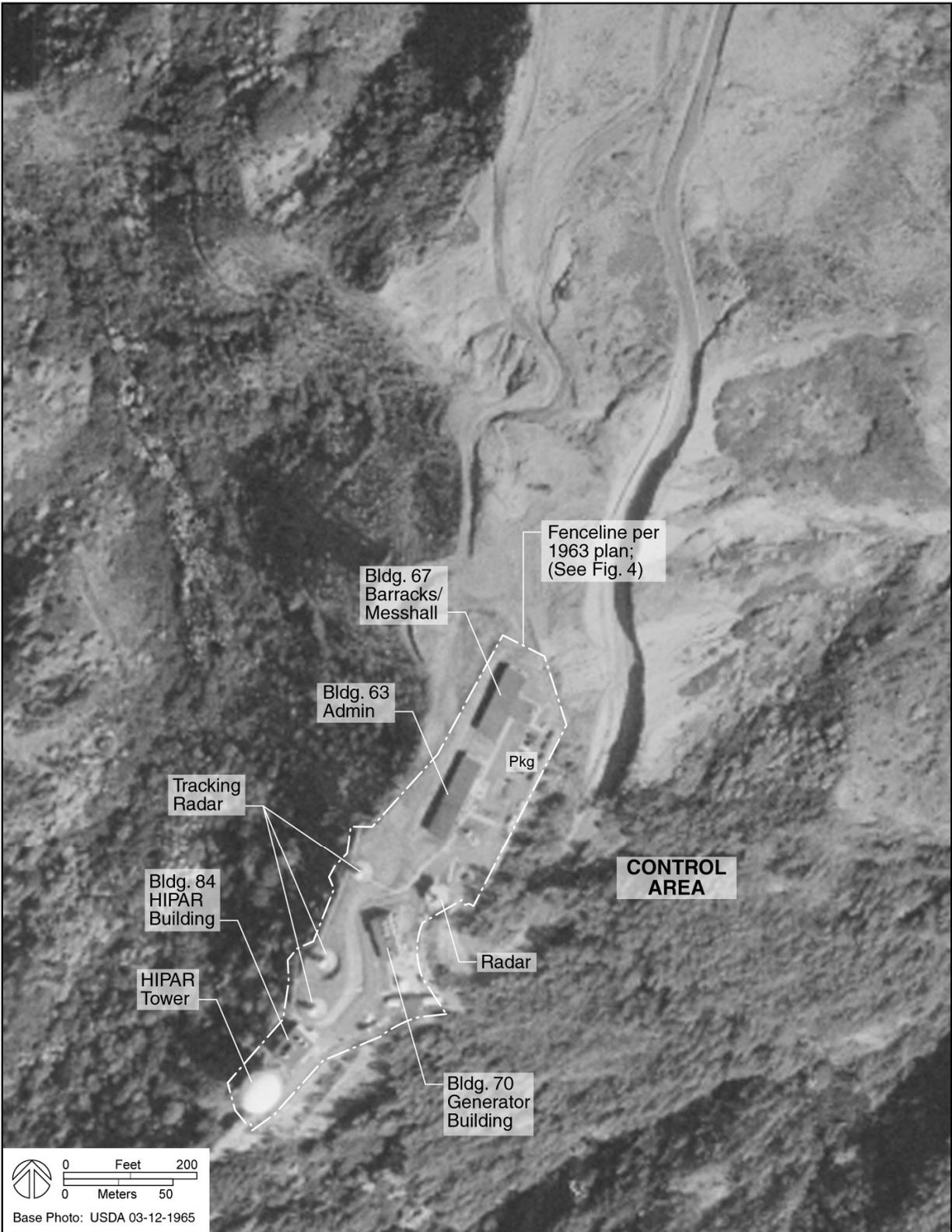
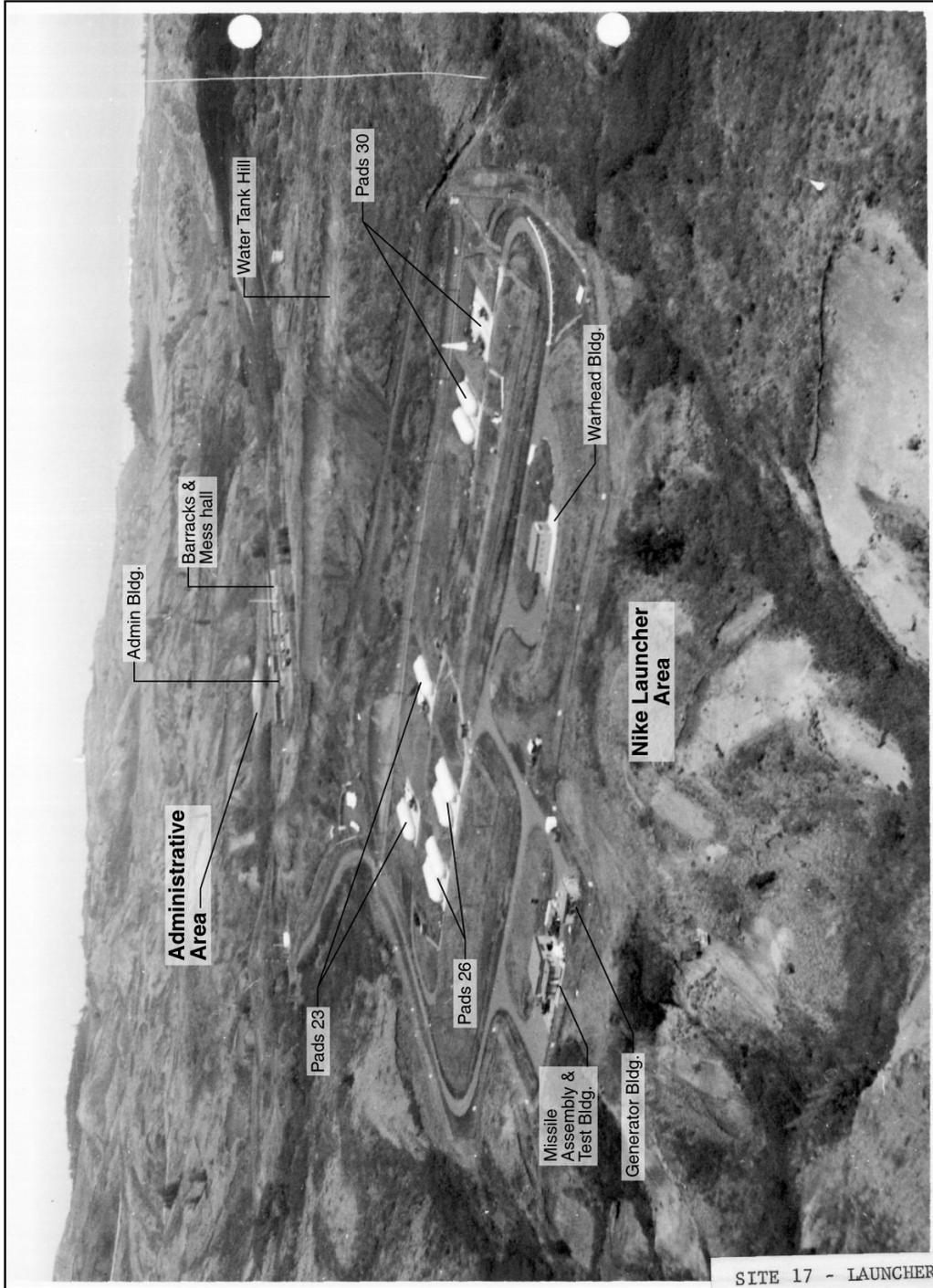


Figure 9: 1965 Aerial Photo - Control Area



Kahuku Launcher and Administrative Areas, viewed from the southeast, c. 1960-1965.

Source: US Army Garrison-Hawaii, DPW, Environmental Division (K. Hays)

Figure 10: 1960s Oblique Aerial Photo - Administrative & Launcher Areas



Figure 12: 1977 Aerial Photo - Administrative & Launcher Areas



Figure 13: 1977 Aerial Photo - Control Area

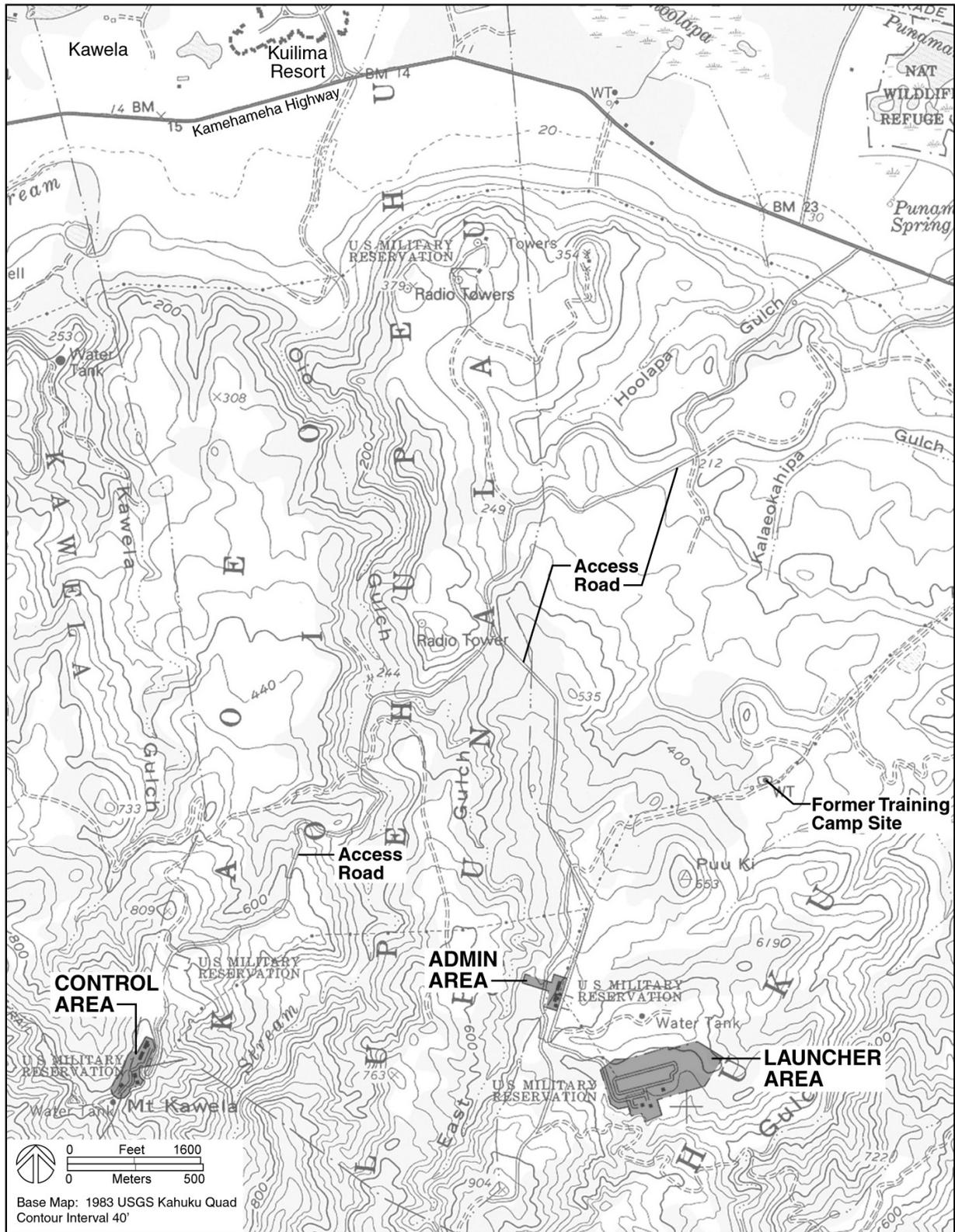


Figure 14: 1983 Topography Map

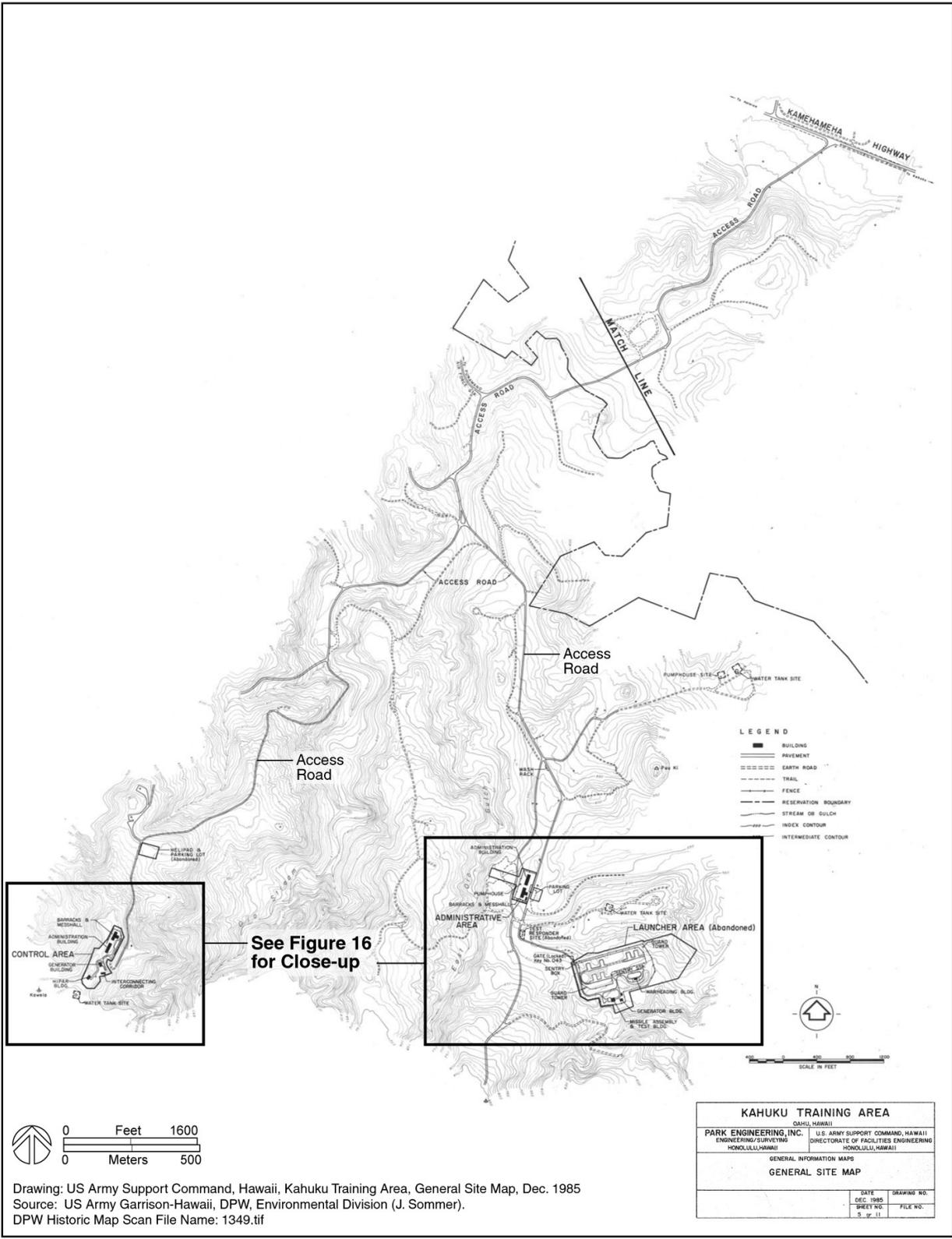
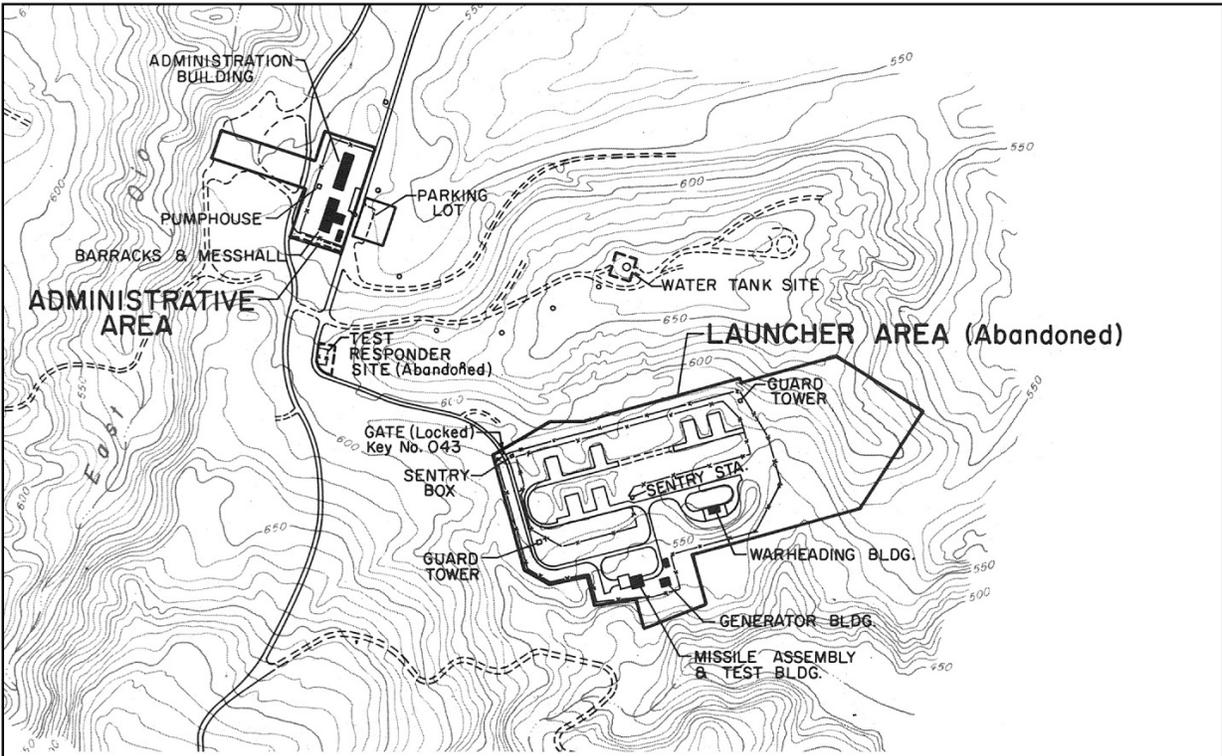
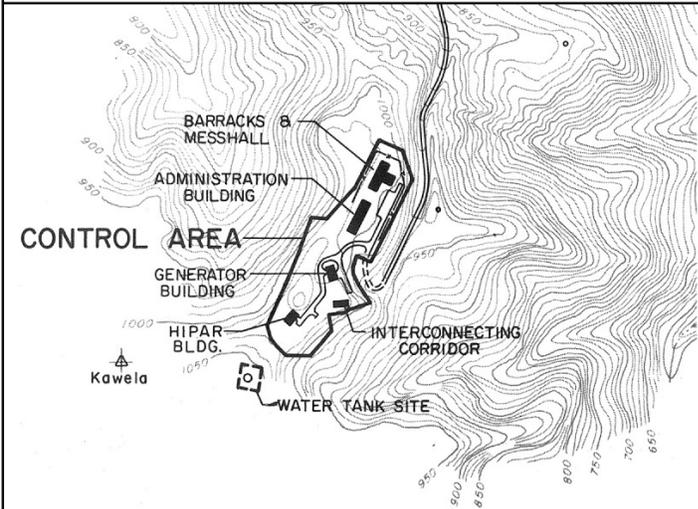
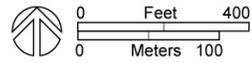


Figure 15: Kahuku Training Area Site Map, 1985



ADMINISTRATIVE & LAUNCHER AREAS

Drawing: US Army Support Command, Hawaii, Kahuku Training Area, General Site Map, Dec. 1985
 Source: US Army Garrison-Hawaii, DPW, Environmental Division (J. Sommer),
 DPW Historic Map Scan File Name: 1349.tif



CONTROL AREA

Drawing: US Army Support Command, Hawaii, Kahuku Training Area, General Site Map, Dec. 1985
 Source: US Army Garrison-Hawaii, DPW, Environmental Division (J. Sommer),
 DPW Historic Map Scan File Name: 1349.tif

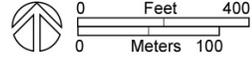


Figure 16: KTA Site Map, 1985 - Close-up

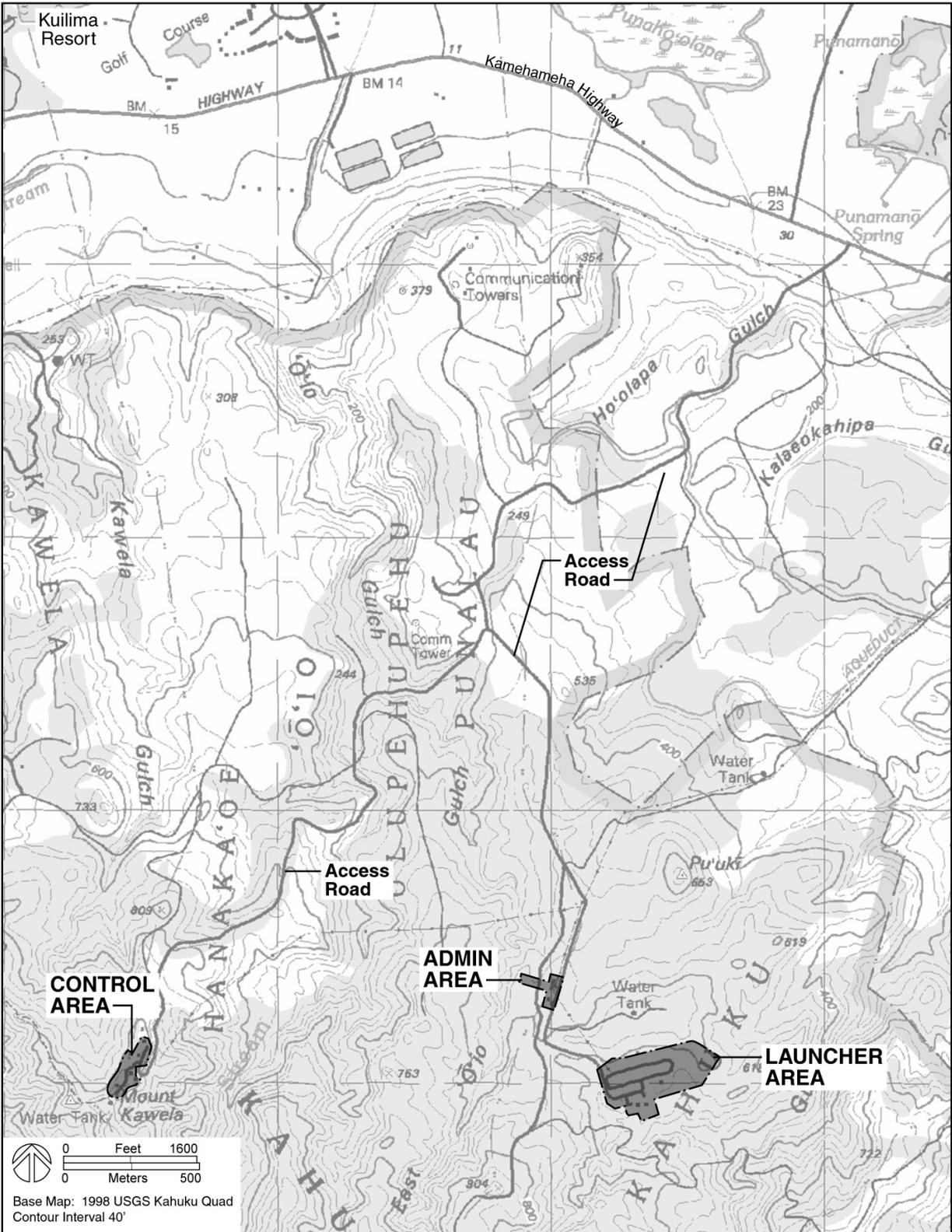


Figure 17: 1998 Topography Map

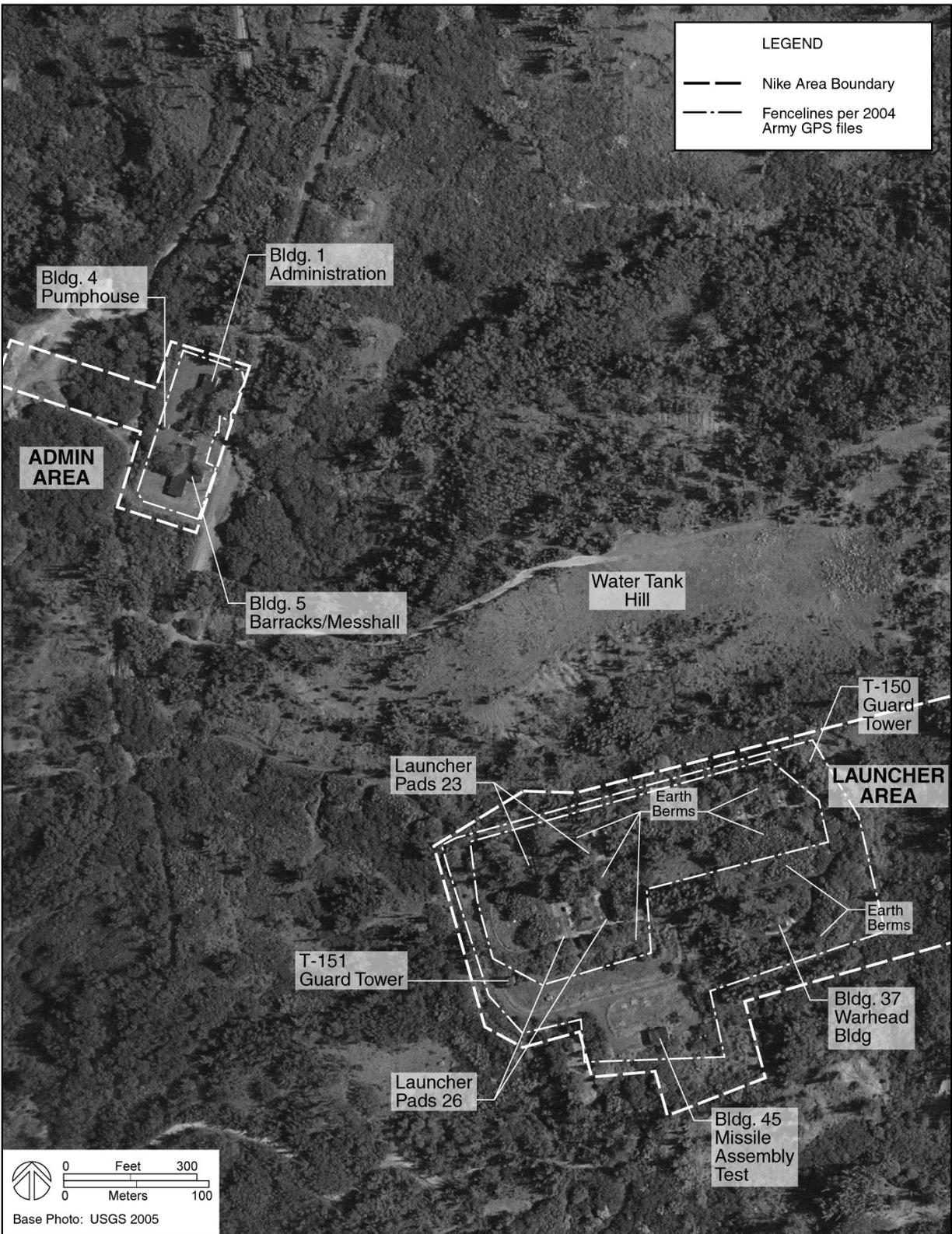


Figure 18: 2005 Aerial Photo - Administrative & Launcher Areas

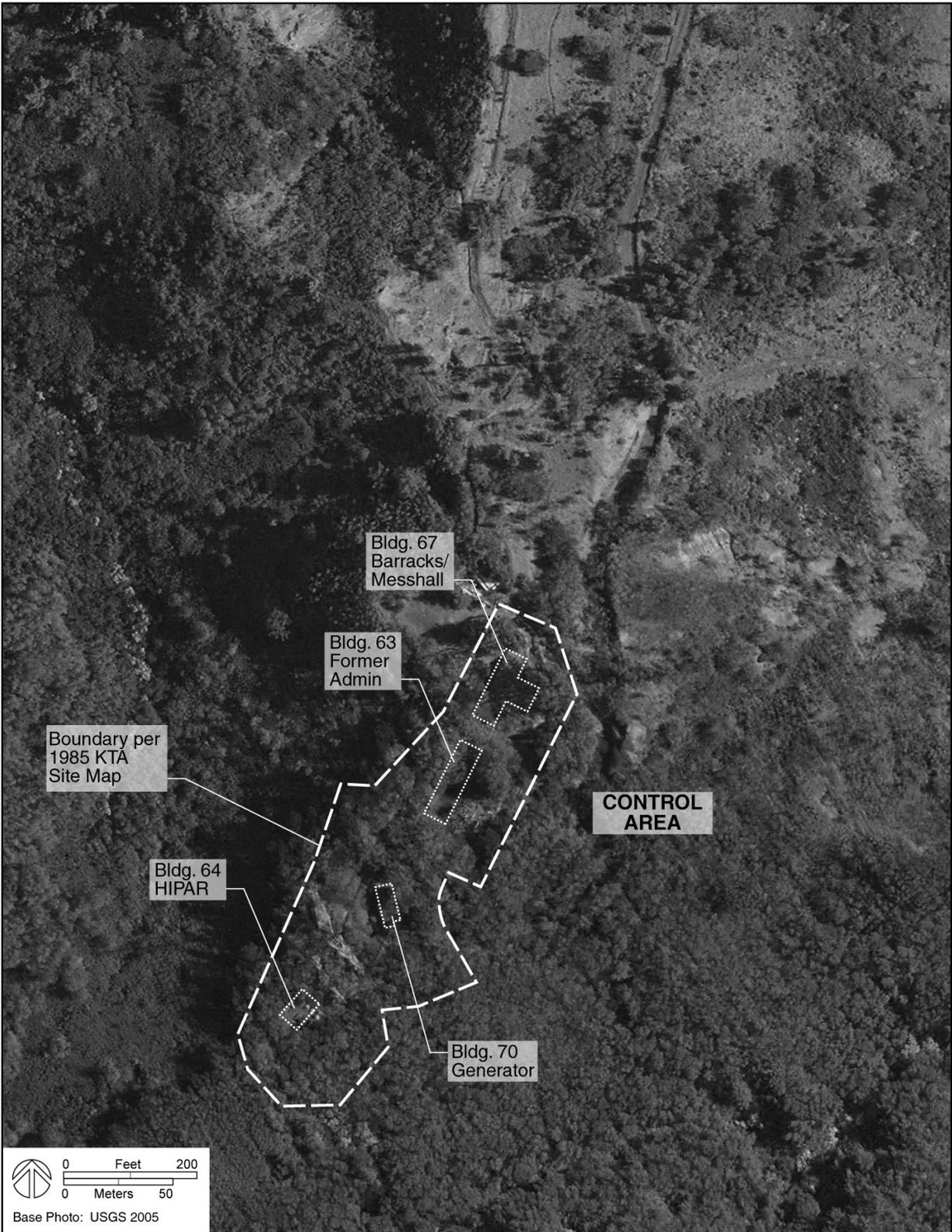
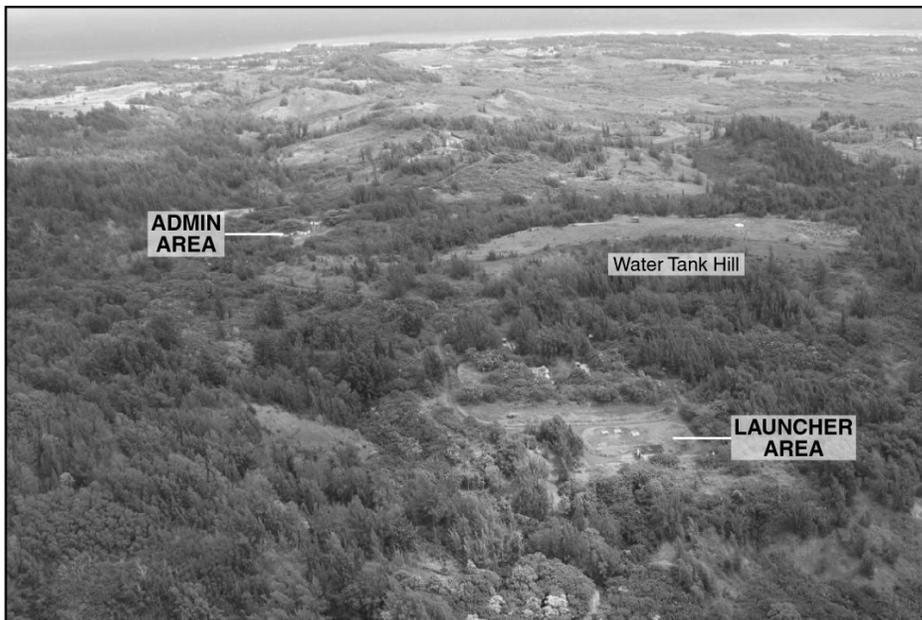


Figure 19: 2005 Aerial Photo - Control Area

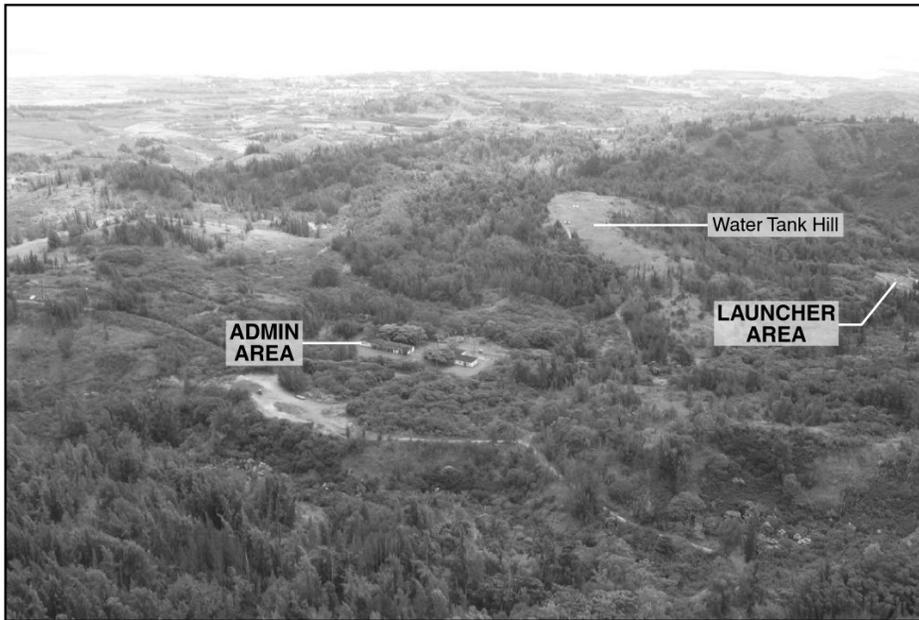


Overview of the NIKE Administrative and Launcher Areas from the southwest.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0017)

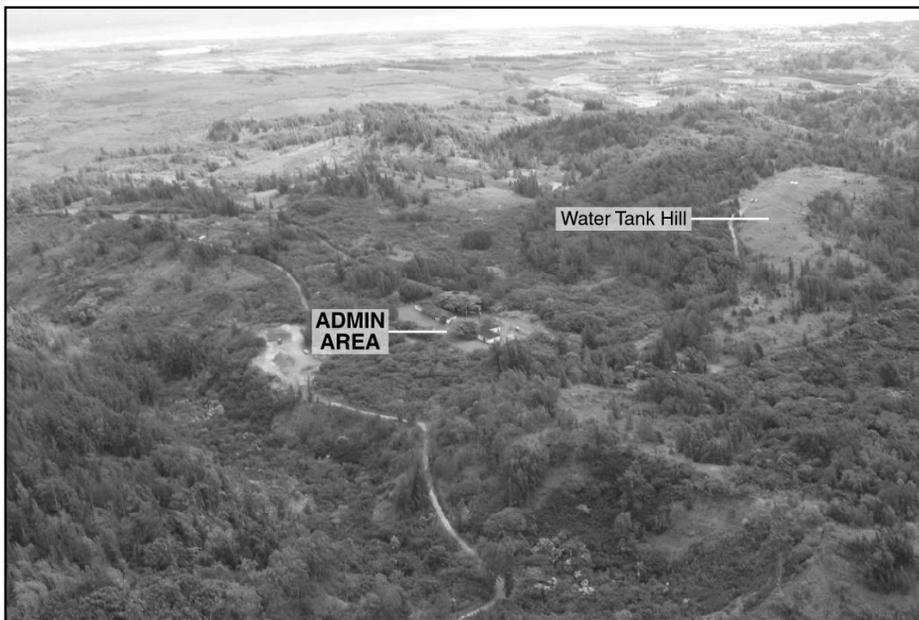


Overview of the NIKE Administrative and Launcher Areas from the south.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0018)

Figure 20a: 2005 Oblique Aerial Photos



Overview of the NIKE Administrative and Launcher Areas from the west.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0022)

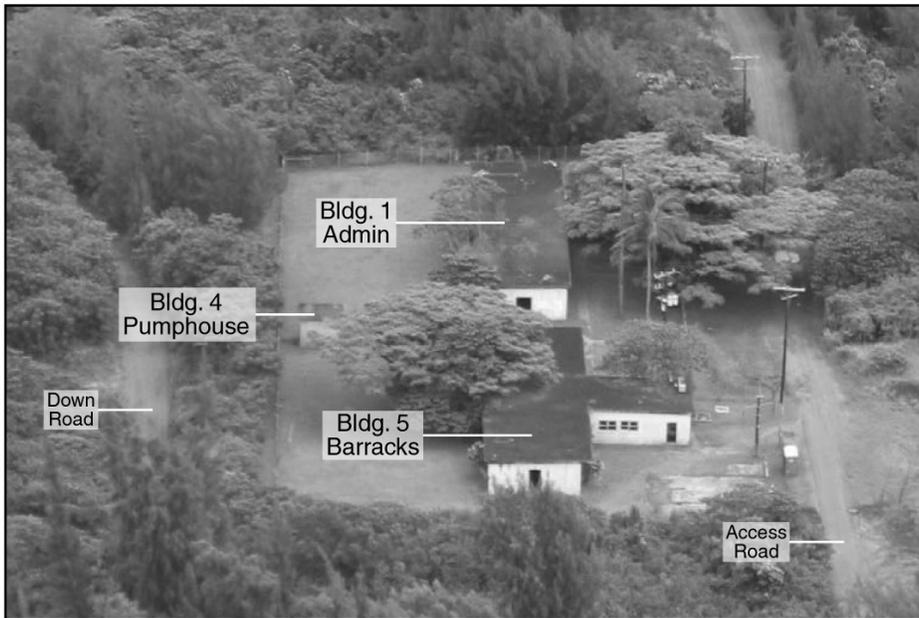


Overview of the Administrative Area and water tank hill from the west.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0021)

Figure 20b: 2005 Oblique Aerial Photos



View of NIKE Administrative Area from the south.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0019)

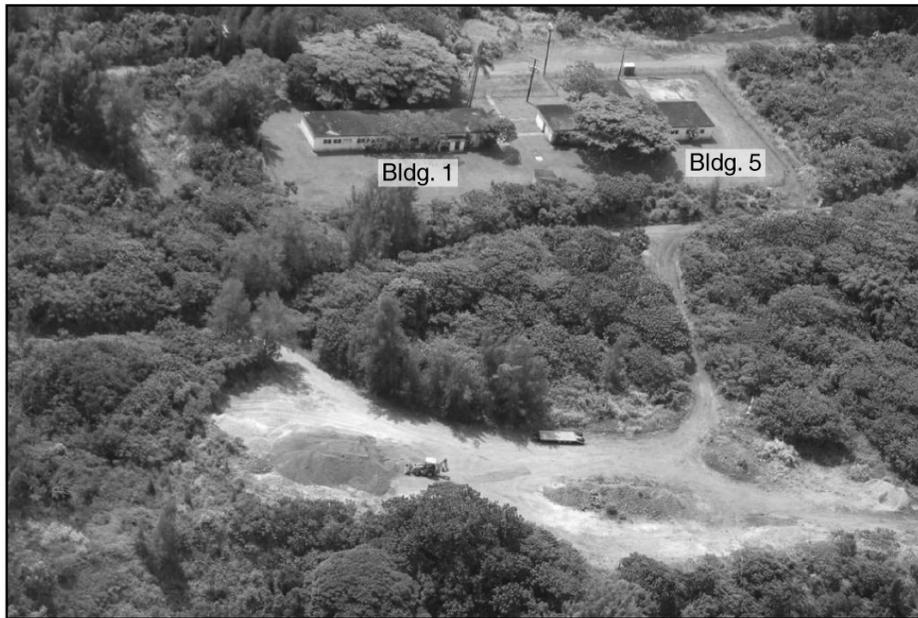


View of NIKE Administrative Area from the south.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0020)

Figure 20c: 2005 Oblique Aerial Photos



View of NIKE Administrative Area from the north.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0035)



View of NIKE Administrative Area from the west.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0027)

Figure 20d: 2005 Oblique Aerial Photos



View of Launcher Area and water tank hill from the southwest.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0007)

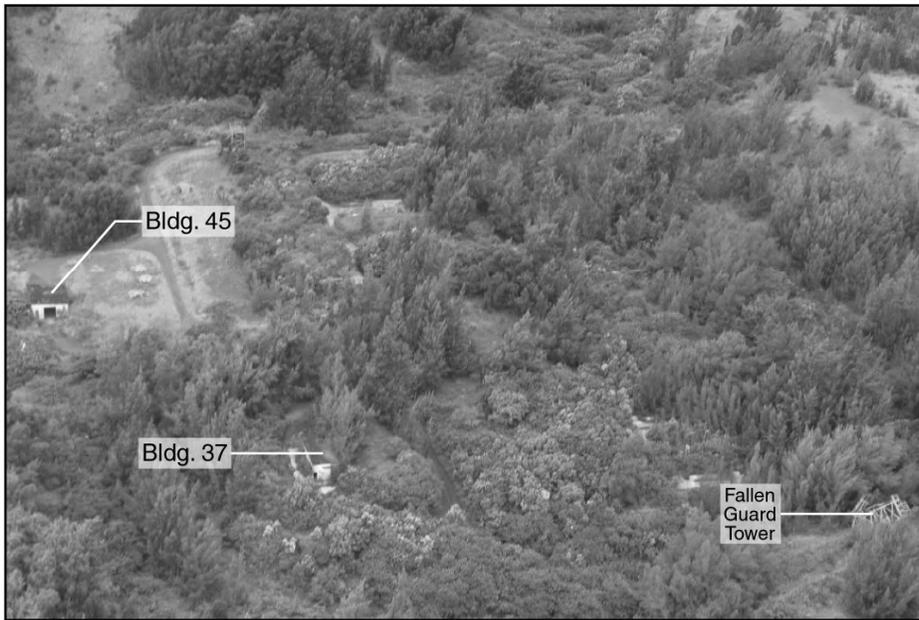


View of Launcher Area from the west.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0008)

Figure 20e: 2005 Oblique Aerial Photos

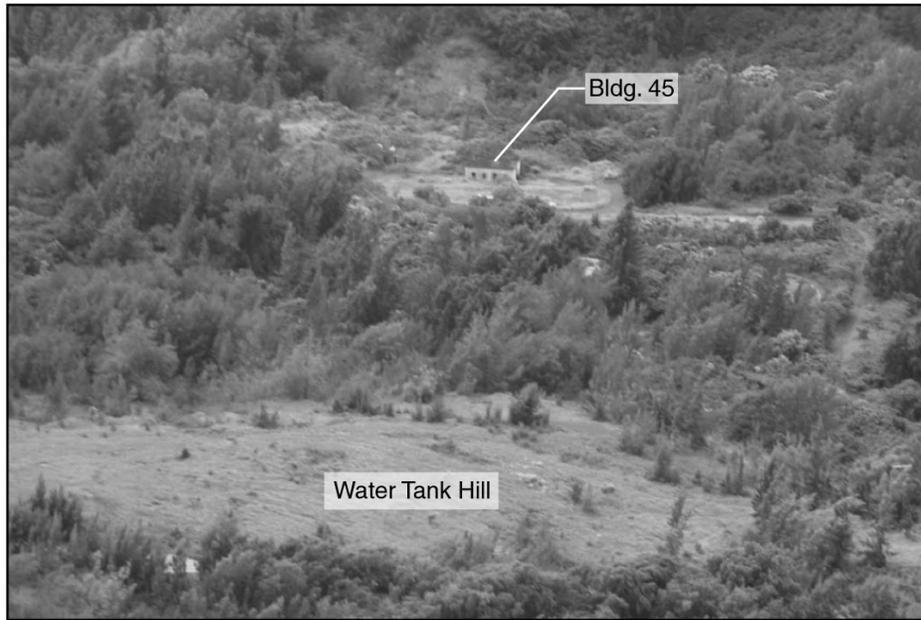


View of Launcher Area from the east.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0015)



View of Launcher Area from the west.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0016)

Figure 20f: 2005 Oblique Aerial Photos



View of Launcher Area from the east.
(Source: US Army Garrison-Hawaii, DPW, No. 100_0011)

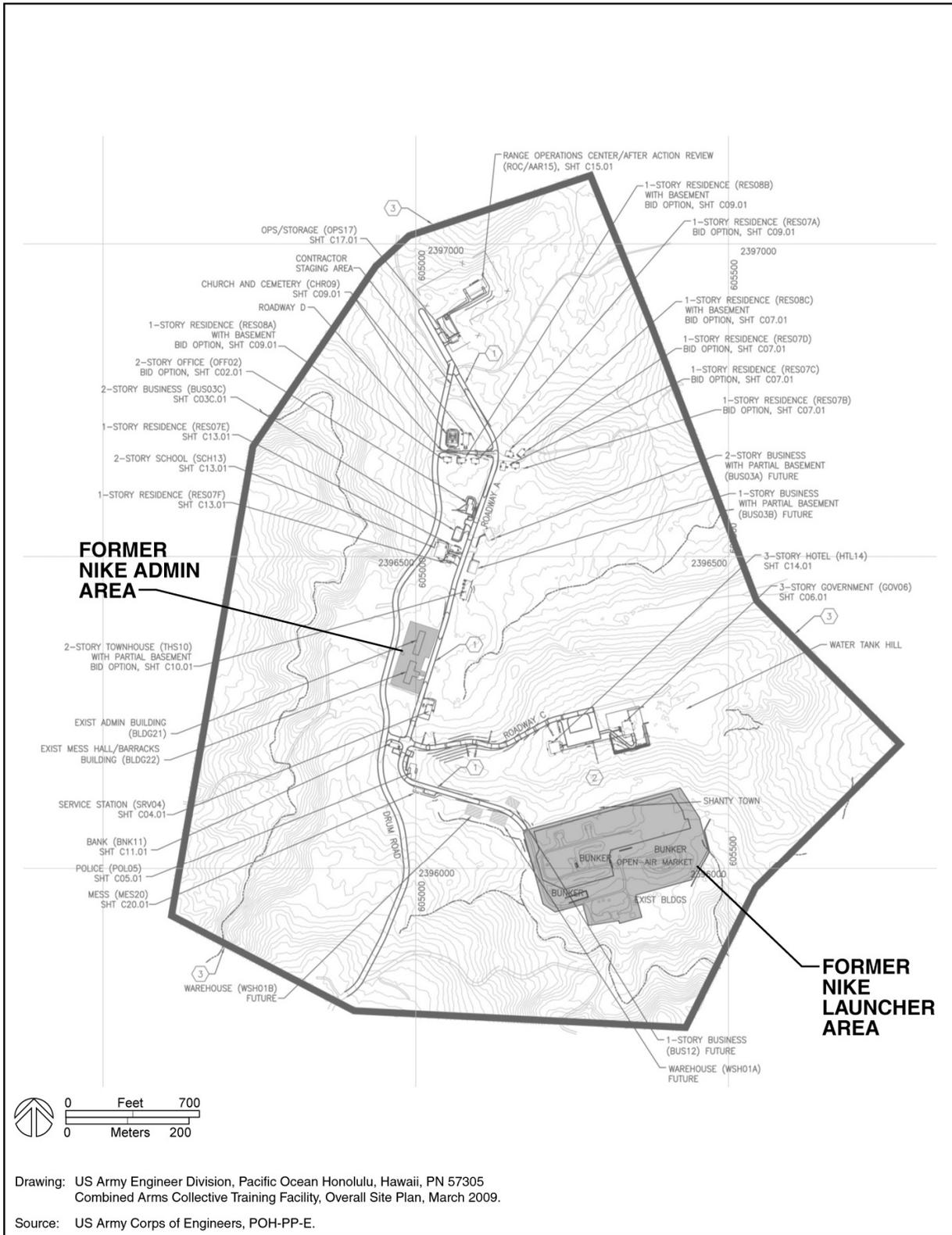


Figure 21: Proposed Combined Arms Collective Training Facility (CACTF) Site Plan

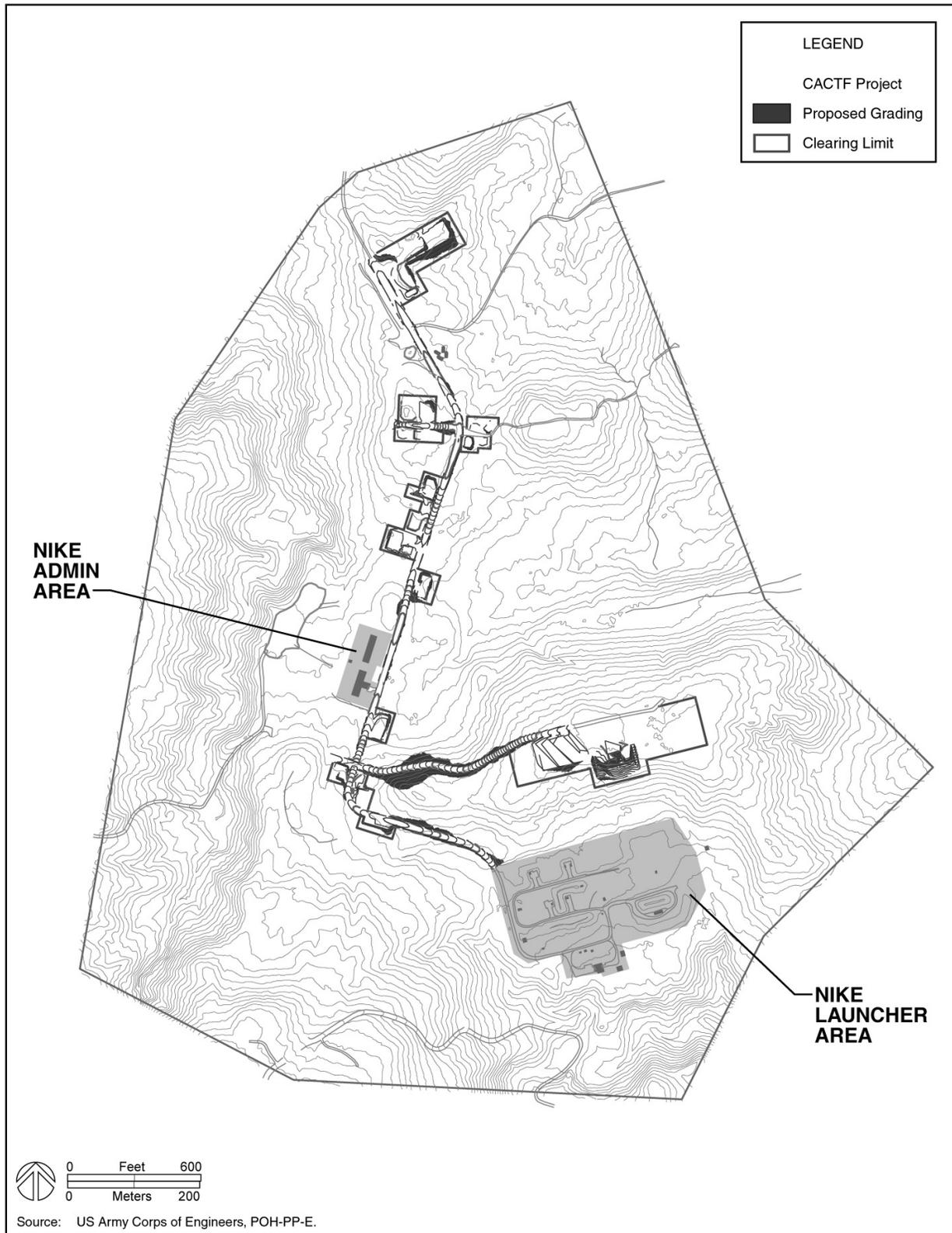


Figure 22: CACTF Proposed Grading and Clearing Areas