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IN REPLY REFER TO:

HWY-DS 2.9182

June 3, 2015

TO: THE HONORABLE SUZANNE D. CASE, CHAIRPERSON
DEPARTMENT OF LAND AND NATURAL RESOURCES

ATTN: ALAN S. DOWNER, PH.D.
ADMINISTRATOR
STATE HISTORIC PRESERVATION DIVISION

FROM: FORD N. FUCHIGAMI
DIRECTOR OF TRANSPORTATION

SUBJECT: QUEEN KAAHUMANU HIGHWAY WIDENING, PHASE 2
KEALAKEHE PARKWAY TO KEAHOLE AIRPORT ROAD
FEDERAL-AID PROJECT NO. NH-019-1(38)R
REQUEST FOR ACCELERATED TWO-STEP VERIFICATION OF
DETAILED MITIGATION PLAN

The Hawaii State Department of Transportation (HDOT) requests State Historic Preservation Division (SHPD) concurrence for an accelerated two-step verification of the detailed mitigation plan for the subject project. Due to the length of the project (5.2 miles), the project has been conceptualized as consisting of a North and South Segment with Hinalani Road serving as the dividing line between segments.

It is understood that prior to the start of actual construction work that the SHPD must be provided with an acceptable archaeological data recovery end of fieldwork letter (in accordance with HAR §13-275-9 (d) (1)) and acceptable notification of the completion of appropriate interim preservation measures (primarily the installation of specified protective fencing).

HDOT requests that construction work be allowed to proceed on each segment following SHPD approval of an acceptable data recovery end of fieldwork letter report and documentation of the installation of interim protective measures for that segment. A second data recovery end of fieldwork letter report and documentation of the installation of interim protective measures for the remaining segment would follow subsequently. Construction work on that segment would follow SHPD approval of the aforementioned documents.

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A single completion report covering both the North and South Segments shall be submitted to SHPD for approval upon completion of the entire project's detailed mitigation plan.

Data recovery fieldwork and installation of interim protective measures are currently ongoing for the North Segment and we anticipate that this work will take approximately five weeks to complete. We request your confirmation that construction on a segment may proceed upon SHPD approval of the corresponding data recovery end of fieldwork letter report and documentation of the installation of interim protective measures. For your reference, please find attached a table of the project's historic properties and agreed mitigation and corresponding project map showing each properties' location in proximity to the project.

Should you have any questions, please contact our Project Manager, Mr. Henry Kennedy, at (808) 692-7550, Technical Design Services Office, Design Branch, Highways Division or by email at henry.kennedy@hawaii.gov.

Enclosure

c: R.M. Towill Corporation (C. Koga)

Table 1. Summary of Mitigation for (23) Sites for which Project Effect **has been Changed** (arranged numerically, **highlighted** sites are in the north segment)

SIHP # 1	Site Type	Present Project Effect	Agreed Upon Mitigation Now
-0002	Māmalahoa trail	Destruction of a portion of site	Data recovery (archival research) and preservation
-6432	Core-filled stone wall	Destruction of a small portion of site	Minimize destruction through archaeological and cultural monitoring
-10154	Walled enclosure	No impact to site	Preservation
-10714 (A-C)	Trail system (<i>mauka-makai</i>), interpreted as part of the “Road to the Sea Trail” (three features)	Portions of all three features (Features A, B, and C) will be destroyed by construction; portions of all three features (Features A, B, and C) will not be physically impacted by construction	Data recovery (archival research) and preservation
-15324	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-18099	Trail (<i>mauka-makai</i>), trail to Honokōhau	No impact to site	Data recovery (archival research) and preservation
-19943	Lava tube	No impact to site	Preservation
-19945 (A-I)	Petroglyphs (n=2) and bashed/pecked <i>pāhoehoe</i> (n=7)	Features A and B Petroglyphs will not be physically impacted by construction Features C-I (pecking marks) most will be destroyed by construction	Features A and B: preservation (petroglyphs) Features C-I (pecking marks on lava): no further work
-19946	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-19947	Stacked rocks	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)

SIHP # 1	Site Type	Present Project Effect	Agreed Upon Mitigation Now
-19948 (A-H)	Agriculture and quarrying	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-19949	Enclosure	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-19950 (A-E)	Modified outcrop complex	No impact to site	Preservation
-19951	Wall	No impact to site	Preservation
-19952	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-19953	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-19954	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-22415	Burial Platform	No impact to site	Preservation in keeping with BTP
-22417	Modified lava blister	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-22418	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-22507	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-28774	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-28778	<i>Pāhoehoe</i> excavation	Destruction of entire site	Data recovery (excavation) 100% excavation, 6 sq m
-28780	'A 'ā excavation	No impact to site	Preservation
-28781	<i>Paved/leveled area</i>	No impact to site	Preservation
-28782	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-28783 (A-F)	Agricultural complex	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-28784	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-28785	Enclosure	Destruction of entire site	Data recovery (excavation) Excavation will be an initial 8 sq m with option for another 2 sq m

SIHP # 1	Site Type	Present Project Effect	Agreed Upon Mitigation Now
-28786	Modified depression	Destruction of entire site	Data recovery (excavation) Initial 1 sq m excavation with option for another 1 sq m excavation unit
-28787	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-28788 (A & B)	Modified outcrop complex	No impact to site	Preservation
-28789 (A-C)	Mound complex	No impact to site	Preservation
-28790	<i>Pāhoehoe</i> excavation	No impact to site	Preservation
-28791	Trail (<i>mauka-makai</i>)	No impact to site	Data recovery (archival research) and preservation
-28792	Petroglyph	No impact to site	
-28794	Filled crevice	No impact to site	Avoidance during construction- Interim Preservation
-28797	Mound complex	No impact to site	Preservation
-28799	Excavated pit complex	No impact to site	Preservation
-28800	<i>Pāhoehoe</i> excavation	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-28801 (A & B)	Modified outcrop complex	No impact to site	Avoidance during construction- Interim Preservation
-28802 (A & B)	Complex	No impact to site	Preservation
-28803	Complex	No impact to site	Avoidance during construction- Interim Preservation
-28804	Filled crevice	No impact to site	Avoidance during construction- Interim Preservation
-28805	Modified outcrop	No impact to site	Avoidance during construction- Interim Preservation
-28806	Mound	No impact to site	Preservation
-28807	Filled crevice	East end of site will be destroyed by construction; entire site is within construction limits	Data recovery (excavation) 100% excavation, 6 sq m

SIHP # 1	Site Type	Present Project Effect	Agreed Upon Mitigation Now
-28808 (A-E)	Mound complex	Three (of total five) features (A, B, and C) will not be physically impacted by construction; Features D and E will be physically impacted by construction	Features A–C: preservation Features D and E: relocation (to the west within ROW)
-28809	<i>Pāhoehoe</i> excavation	No impact to site	Avoidance during construction- Interim Preservation
-28810	Lava tube	No impact to site	Preservation
-28811	<i>Pāhoehoe</i> excavation	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-28812	Possible filled crevice	Destruction of entire site	Data recovery (excavation) 100% excavation, 1.5 sq m
-28813 (A-E)	Modified lava blisters	Feature A will not be physically impacted by construction Features B–E will be destroyed during construction	Data recovery (excavation) 100% excavation of Features B–E (Feature B = 7.5 sq m, Feature C = 7.5 sq m, Feature D = 0.4 sq m, Feature E = 4 sq m) (Feature A will not be subject to data recovery; it will be preserved)
-28814	Lava tube	Destruction of entire site	Data recovery (excavation) 12 sq m
-28815	<i>Pāhoehoe</i> excavation	Destruction of entire site	Data recovery (excavation) 100% excavation, 4.5 m ²
-29272 (A & B)	Level area in 'a'ā with trail (<i>mauka/makai</i>)	No impact to site	Feature A: interim preservation (and commitment to mitigation prior to land disturbance in the vicinity); Feature B: data recovery (archival research) and preservation
-29275	Lava tube burial outside APE	No impact to site	Interim preservation
-29332	Mound/paved area within naturally formed <i>pāhoehoe</i> depression	No impact to site	Data recovery (as per SHPD letter of 9 July 2012)Data recovery (excavation) 2 sq m

SIHP # 1	Site Type	Present Project Effect	Agreed Upon Mitigation Now
-29333	Rock stacking (possible <i>ahu</i>)	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-29334	Rock mound	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-29335	Rock wall segment	Destruction of entire site	Data recovery (excavation) Two 0.5 m by 1.5 m excavations (total 1.5 sq m)
-29336	Rock terrace	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-29337	Excavated pit	No impact to site	Avoidance during construction- Interim Preservation
-29339+	Rock wall segment	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-29340+	Rock mound	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-29341: A&B	Excavated pit	No impact to site	Avoidance during construction- Interim Preservation
-29342	Excavated pit	No impact to site	Avoidance during construction- Interim Preservation
-29343	Excavated pit	No impact to site	Avoidance during construction- Interim Preservation
-29344	Excavated pit	No impact to site	Interim preservation (and commitment to mitigation prior to land disturbance in the vicinity)
-29345	Coral-filled pāhoehoe crevice	No impact to site	Data recovery (excavation) 100% dismantling/clean out
-29346	Mound	Destruction of entire site	Relocation to the west (within ROW)
-29347	Mound	No impact to site	Avoidance during construction- Interim Preservation
-29348	Boulder (<i>pāhoehoe</i> basher) in excavated pit	Entire site is immediately adjacent to grading limits	Collection and curation of portable artifact (boulder); No Further Work for the Excavated Pit

SIHP # 1	Site Type	Present Project Effect	Agreed Upon Mitigation Now
-29349 (A & B)	Boulder (<i>pāhoehoe</i> basher) and associated excavated pit	Feature A (boulder) will not be physically impacted by construction Feature B (excavated pit) will be destroyed by construction	Collection and Curation the Portable Artifact (Boulder, Feature A); no further work for excavated pit (Feature B)

¹ These State Inventory of Historic Property (SIHP) numbers begin with “50-10-27.”

*From Shideler et al. (October 2012) *Archaeological Data Recovery and Preservation Plan . . .*, Table 3, pp. 26-28 (accepted in a SHPD Chapter 6E-8 NHPA Section 106 Review of 25 October 2012 [LOG NO: 2012.3052, DOC NO: 1210MV25])

+ Two sites (-29339 and -29340) were initially recommended for data recovery (Shideler et al. 2012:26) The SHPD review of 28 October 2013 asserts: “. . . these sites should be treated in a similar fashion as the other sites whose treatment recommendations have changed to preservation. This change would not rule out the possibility of Data Recovery in the near future.”

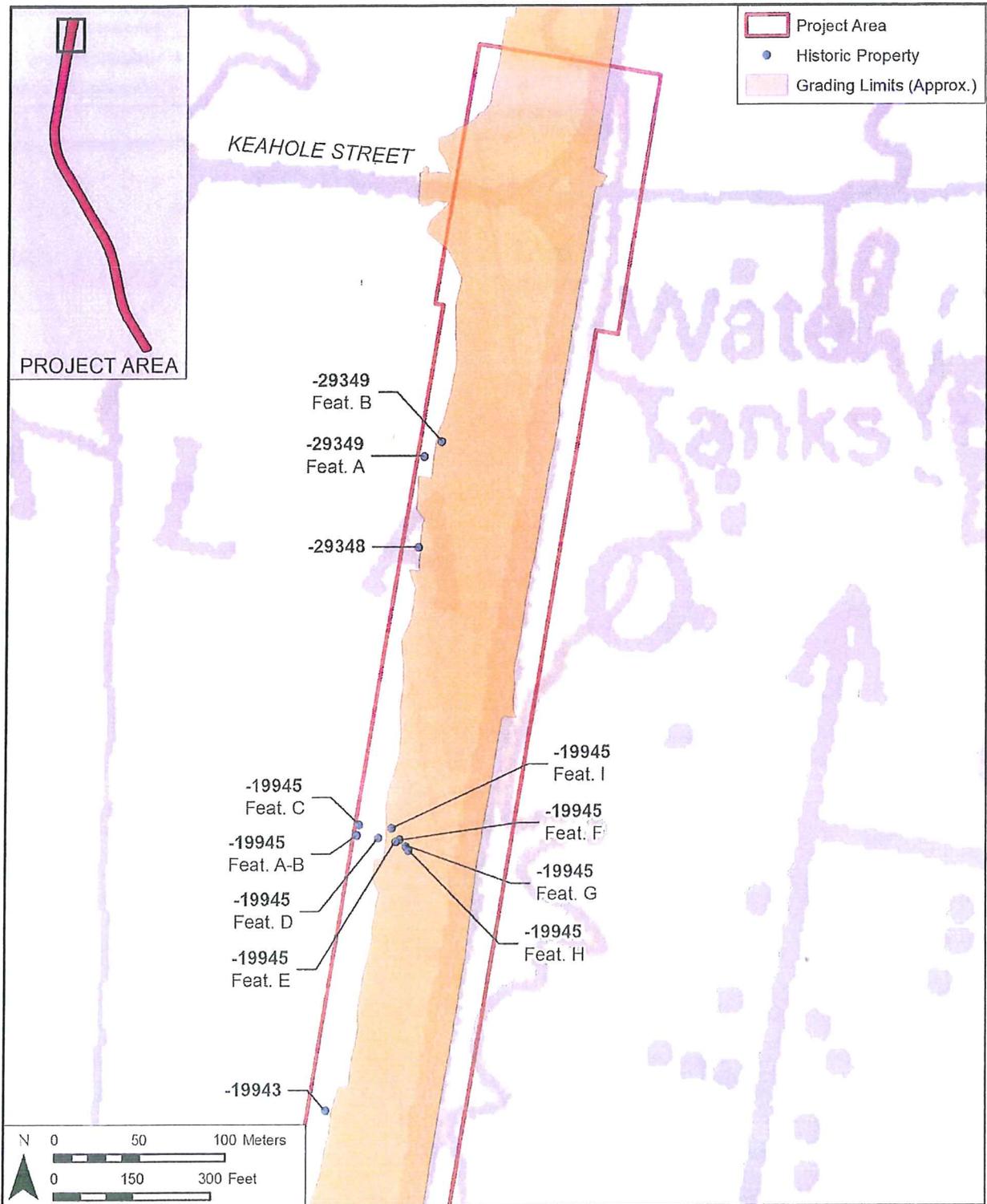


Figure 1. Portion of the 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing the northern-most Section 11 within the north section of the proposed mitigation

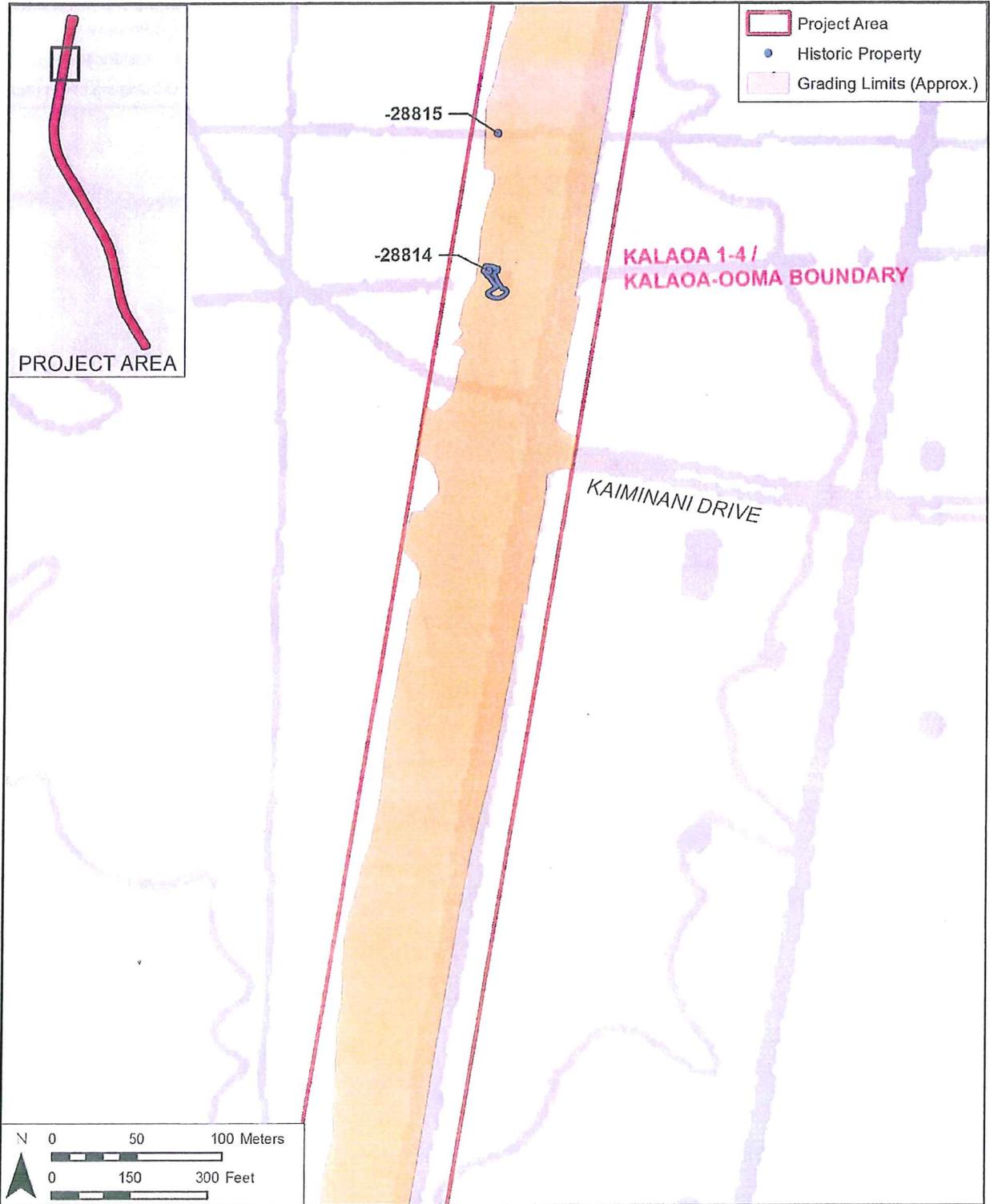


Figure 2. Portion of the 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 10 within the north section of the proposed mitigation

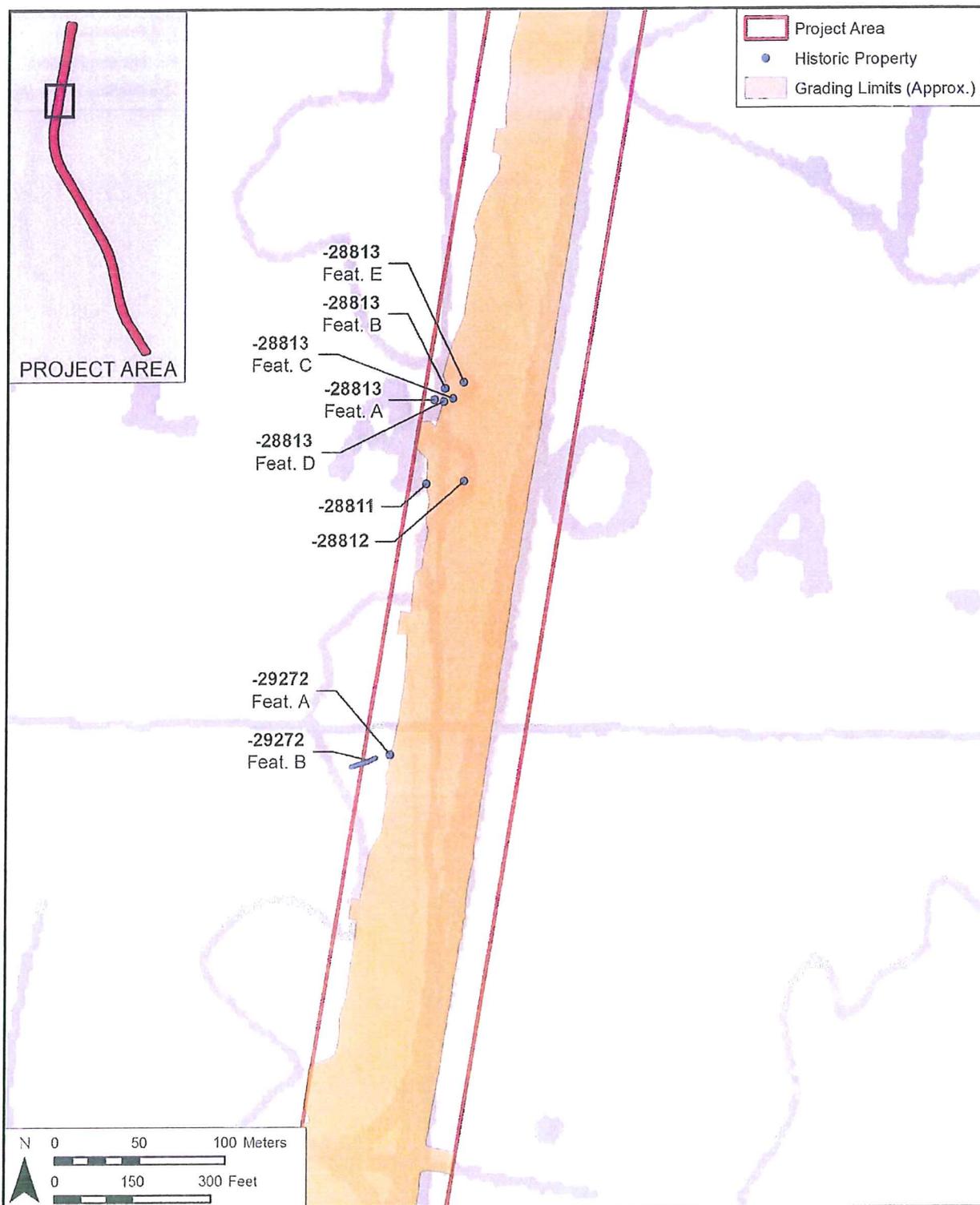


Figure 3. Portion of the 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 9 within the north section of the proposed mitigation

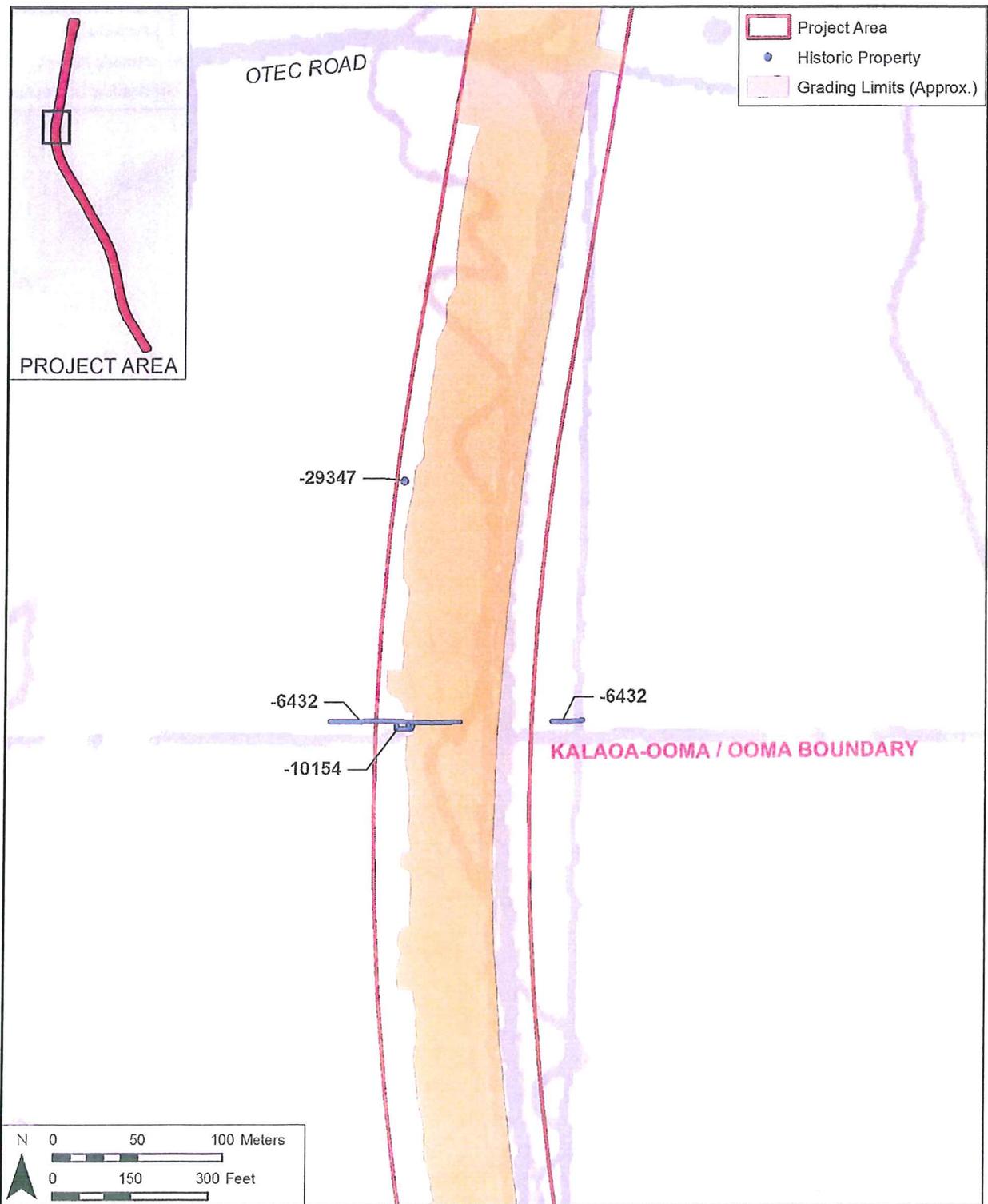


Figure 4. Portion of the 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 8 within the north section of the proposed mitigation

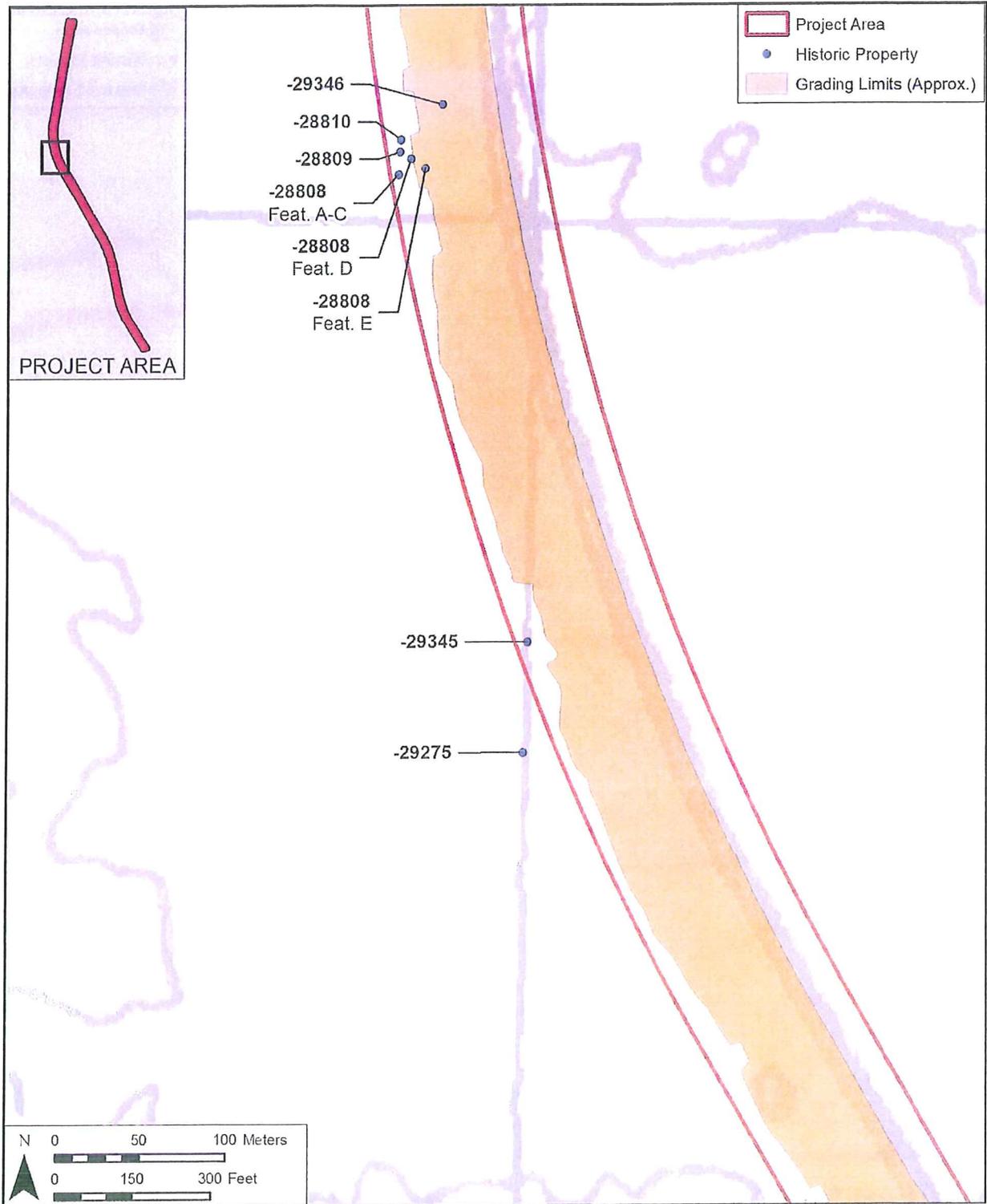


Figure 5. Portion of the 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 7 within the north section of the proposed mitigation

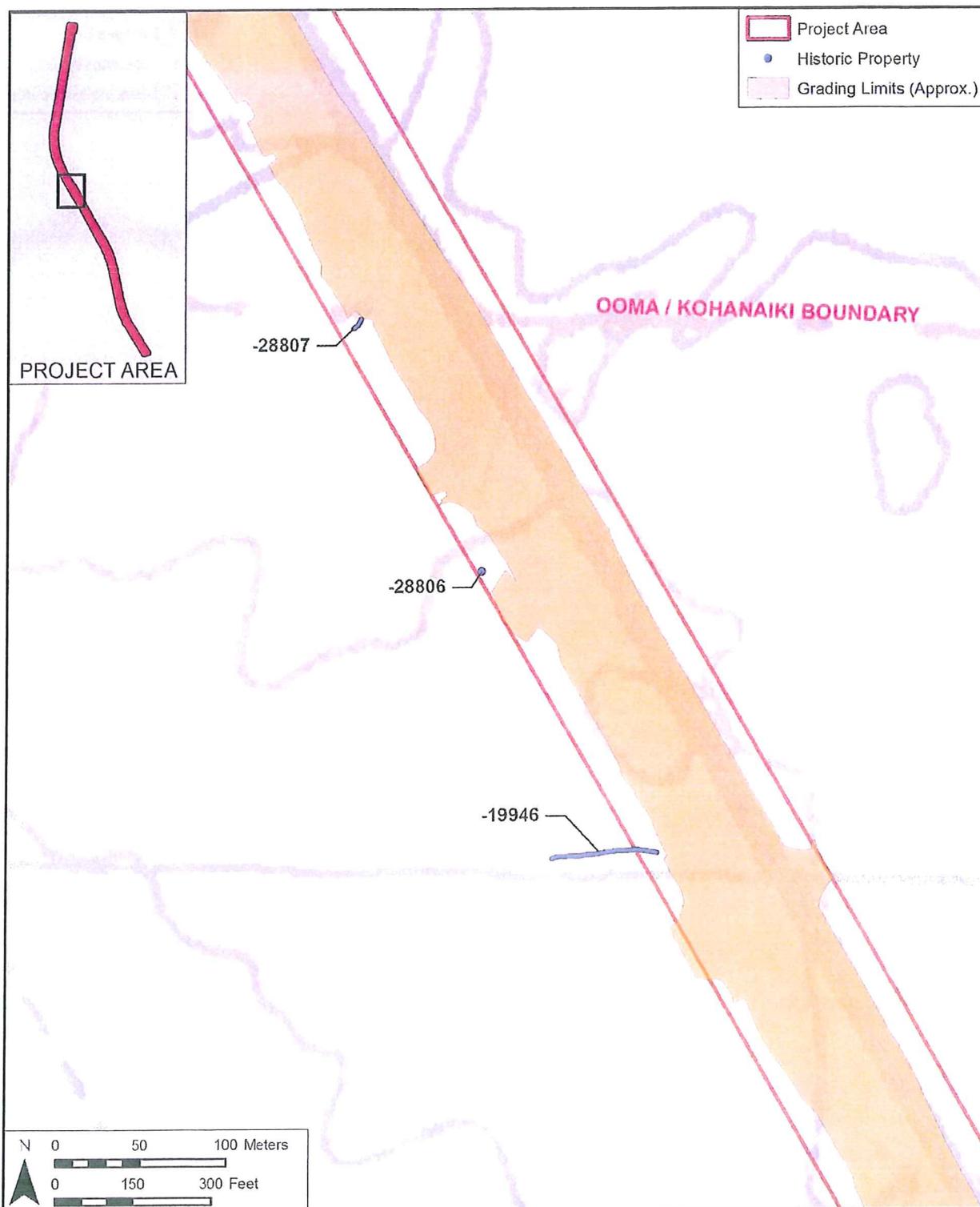


Figure 6. Portion of the 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 6 within the north section of the proposed mitigation

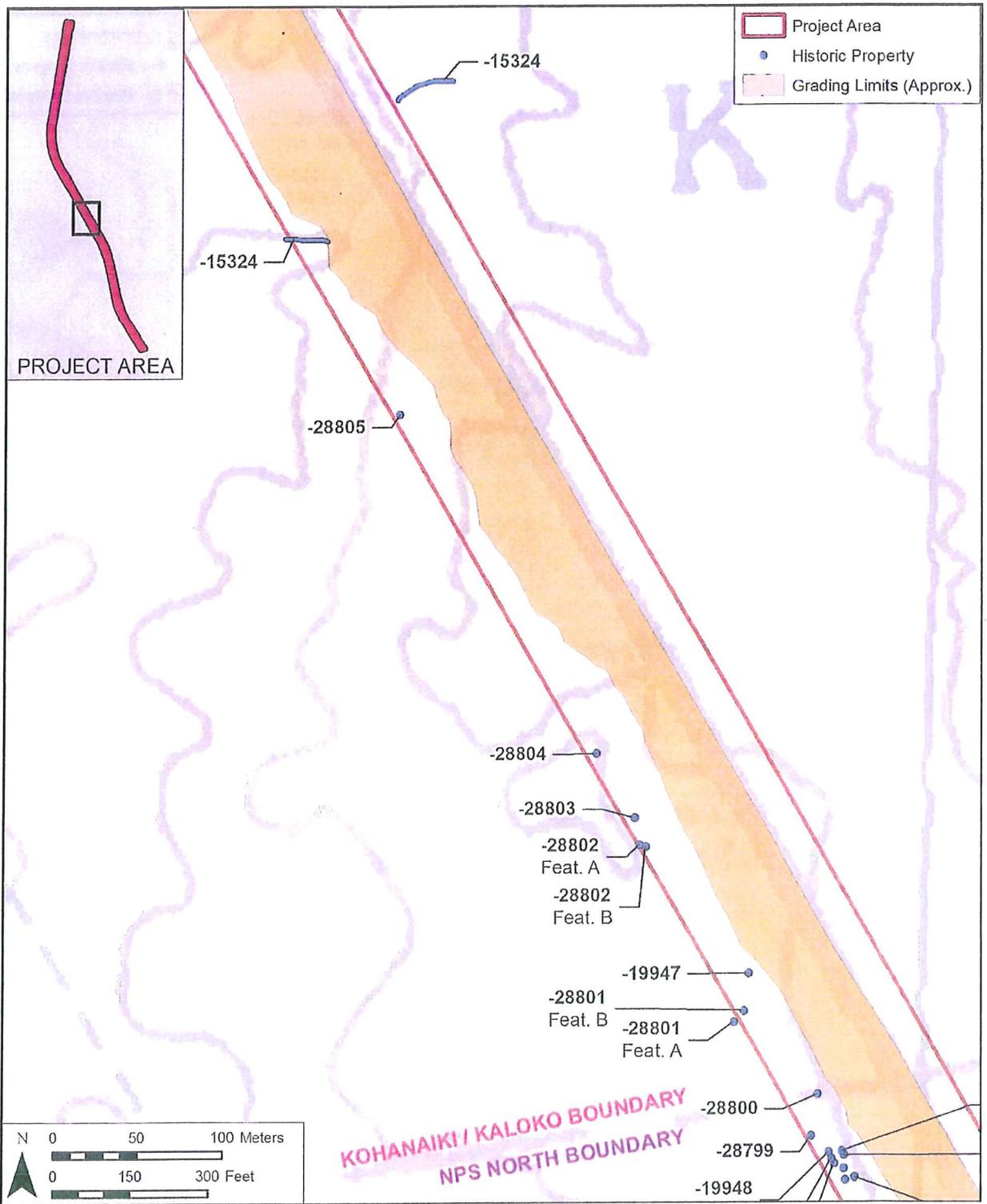


Figure 7. Portion of 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 5 within the north section of the proposed mitigation

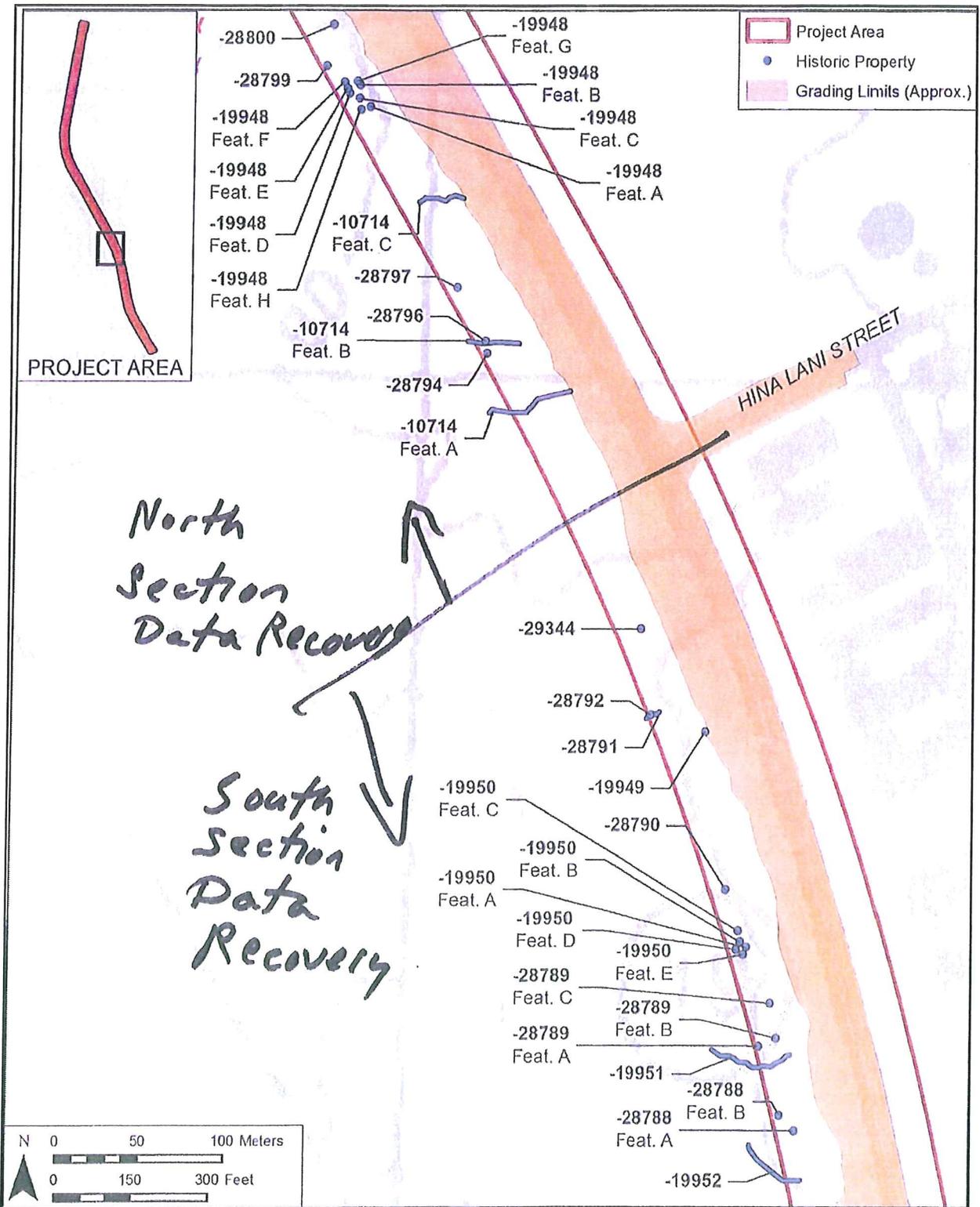


Figure 8 Portion of 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 4 of the project area and the dividing line between the north and south sections of the proposed mitigation

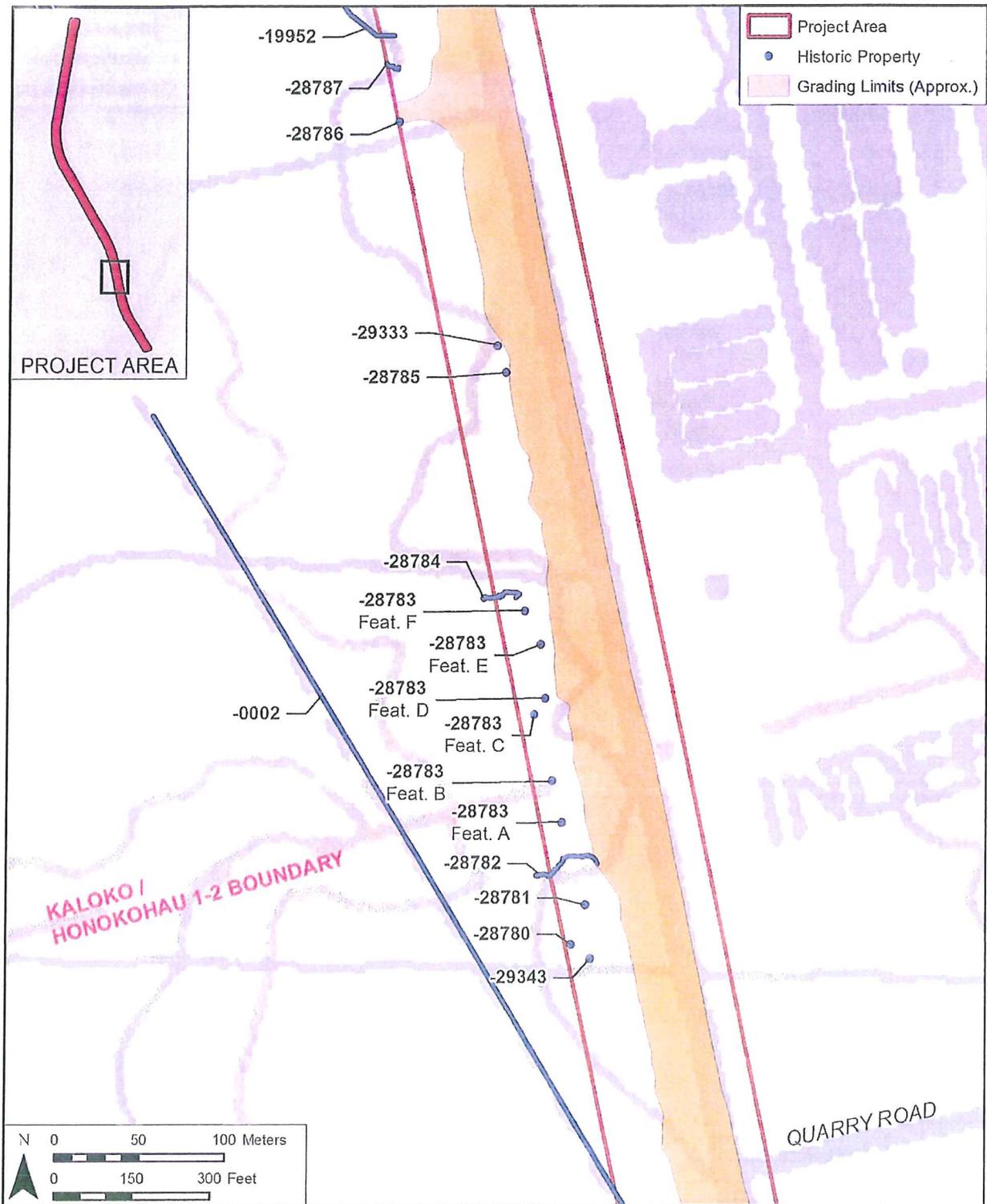


Figure 9. Portion of 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 3 within the south section of the proposed mitigation

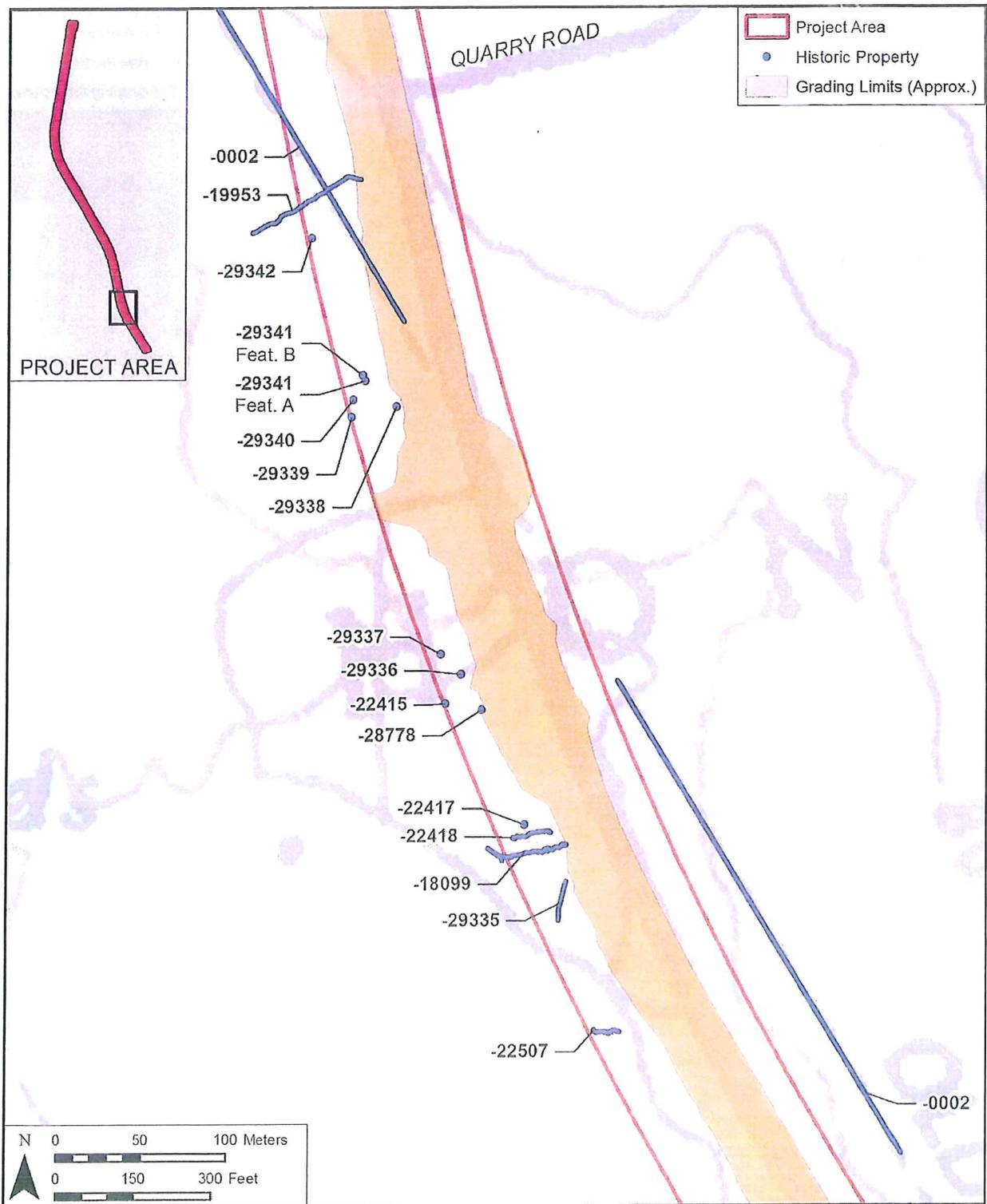


Figure 10. Portion of the 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 2 within the south section of the proposed mitigation

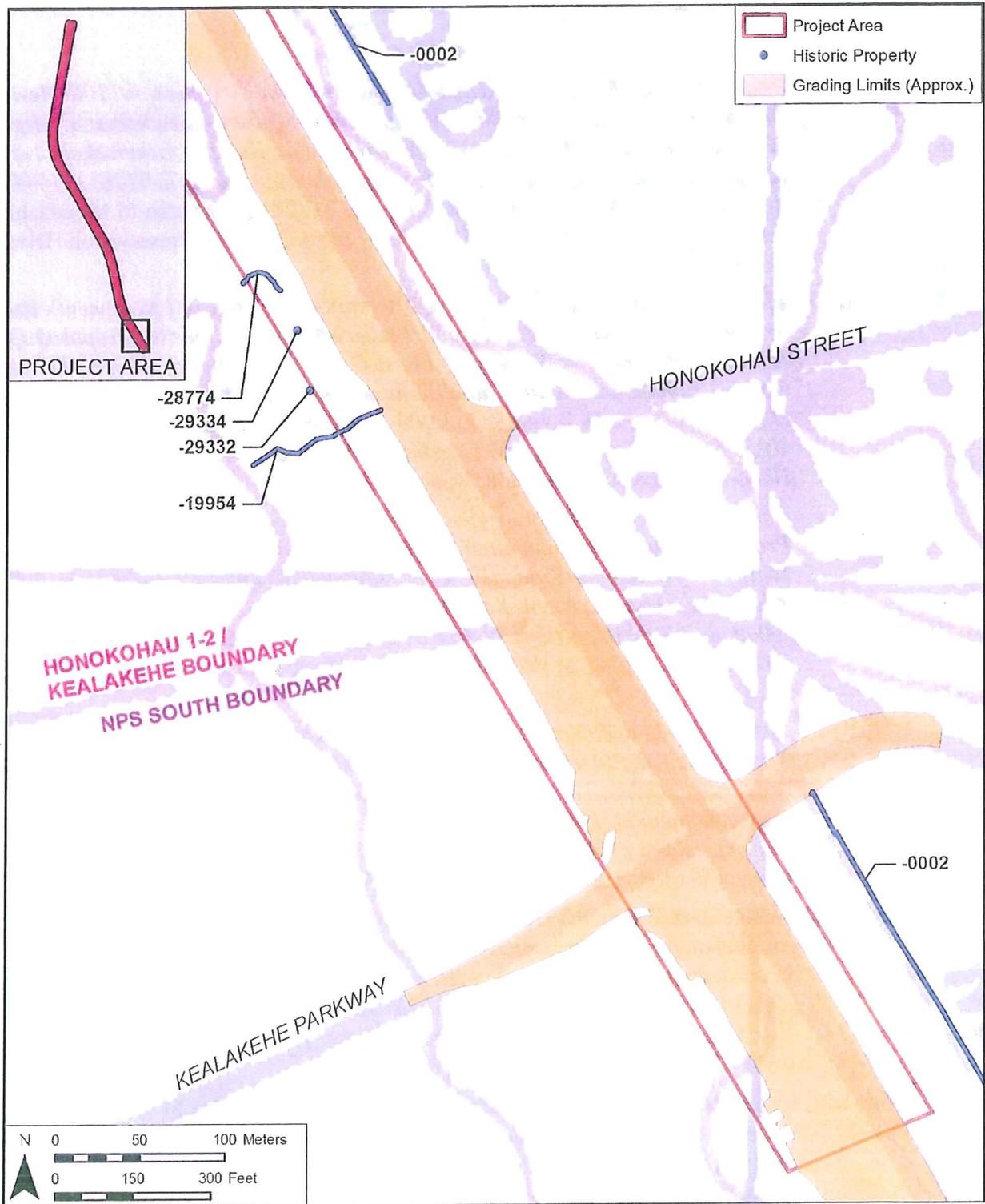


Figure 11. Portion of the 1996 Keāhole Point USGS 7.5-minute topographic quadrangle showing Section 1 within the south section of the proposed mitigation

References Cited

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- 2012b *Chapter 6E-8 & National Historic Preservation Act Section 106 Review - Revised Archaeological Data Recovery and Preservation Plan for the Proposed Queen Ka'ahumanu Highway Widening, Phase 2 Project, Kalaoa, O'oma, Kohanaiki, Kaloko, Honokohau 1-2 and Kealakehe Ahupua'a North Kona District, Island of Hawai'i TMK: (3) 7-4-008, 7-3-009 & 7-3-043 (portion) (dated October 25, 2012, Donham to Monahan, Log No. 2012.3052, Doc. No. 1210MV25) State Historic Preservation Division, Kapolei, HI.*
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- 2014 *An Archaeological Preservation and Mitigation Plan Addressing 23 Sites for the Proposed Queen Ka'ahumanu Highway Widening Phase 2 Project, Kalaoa, Kalaoa-'O'oma, 'O'oma 2, Kohanaiki, Kaloko, Honokohau 1-2 and Kealakehe, North Kona District, Island of Hawai'i, TMKs: [3] 7-4-008, 7-3-009, and 7-3-043 Cultural Surveys Hawaii, Kailua, HI.*

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