

HISTORIC AMERICAN ENGINEERING RECORD
INDEX TO PHOTOGRAPHS

HAWAII STATE HIGHWAY 378
(Haleakala Highway)
Pukalani Vicinity
Maui County
Hawaii

HAER No. HI-119

David Franzen, Photographer

September - October 2012

ROAD OVERVIEW PHOTOGRAPHS (#1-21)

- HI-119-1 Overview of road looking uphill from the junction of Highway 378 and 377 showing the National Park sign. View facing east.
- HI-119-2 Overview of road looking uphill after first switchback. View facing south.
- HI- 119-3 Overview of road looking downhill before third switchback. View facing north.
- HI- 119-4 Overview of road looking uphill toward switchback 4. View facing southwest.
- HI- 119-5 Overview of road looking uphill near mile marker 1.6. View facing north.
- HI- 119-6 Overview of road looking downhill from switchback 6. View north northwest.
- HI- 119-7 Overview of road looking downhill showing switchback 7, from lavender farm area. View facing south.
- HI- 119-8 Overview of road looking uphill toward switchback 7, through eucalyptus grove. View facing west.
- HI- 119-9 Overview of road looking downhill from switchback 8 toward eucalyptus grove. View facing west southwest.
- HI- 119-10 Overview of road from switchback 9 near mile marker 3.3. View facing northwest.
- HI- 119-11 Overview of road looking downhill toward switchback near mile marker 4.2. View facing southwest.

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- HI- 119-13 Overview of road looking uphill from above mile marker 5.3. View facing west.
- HI- 119-14 Overview of road looking downhill toward switchback 12 near mile marker 6. View facing north.
- HI- 119-15 Overview of road looking uphill toward lookout from near mile marker 7. View facing northeast.
- HI- 119-16 Overview of view from road looking downhill from near lookout. View facing west.
- HI- 119-17 Overview of road looking uphill from below Pohakuokala Bridge. View facing north.
- HI- 119-18 Overview of road looking downhill from above Waiale Bridge. View facing northeast.
- HI- 119-19 Overview of road looking uphill from near mile marker 9. View facing north northeast.
- HI- 119-20 Overview of road looking downhill near mile marker 9.6. View facing south southwest.
- HI- 119-21 Overview of road looking downhill from near National Park entrance and junction with park road. View facing northwest.

CULVERT & BRIDGE PHOTOGRAPHS (# 22-155)

- HI- 119-22 Feature No. 100, highway marker at junction of Highway 378 and 377. View facing southwest.
- HI- 119-23 Feature No. 103, Culvert Outlet. Oblique view facing east.
- HI- 119-24 Feature No. 106 Culvert Outlet. Elevation with scale device. View facing east.
- HI- 119-25 Feature No. 107 Culvert Outlet. Elevation with scale device. View facing east.
- HI- 119-26 Feature No. 108 Culvert Outlet. Elevation with scale device. View facing east.
- HI- 119-27 Feature No. 110 Wall. Oblique view facing northeast.
- HI- 119-28 Feature No. 112 Culvert Outlet. Elevation with scale device. View facing east.

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- HI- 119-29 Feature No. 112.1 Guardrail Post. Elevation with scale device. View facing north.
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- HI- 119-32 Feature No. 115 Culvert Inlet. Oblique view facing southwest.
- HI- 119-33 Feature No. 115 Culvert Outlet. Elevation with scale device. View facing east.
- HI- 119-34 Feature No. 116 Culvert Outlet. Elevation with scale device. View facing east northeast.
- HI- 119-35 Feature No. 121 Culvert Outlet. Elevation with scale device. View facing southeast.
- HI- 119-36 Feature No. 123 Wall. Elevation, no scale device. View facing east.
- HI- 119-37 Feature No. 124 Culvert Outlet. Oblique view facing east.
- HI- 119-38 Feature No. 126 Elevation Sign. Elevation, no scale device. View facing southeast.
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- HI- 119-42 Feature No. 131 Culvert Outlet. Oblique view facing southeast.
- HI- 119-43 Feature No. 132 Culvert Inlet. Oblique view facing west southwest.
- HI- 119-44 Feature No. 132 Culvert Outlet. Elevation with scale device. View facing northeast.
- HI- 119-45 Feature No. 133 Culvert Outlet. Elevation with scale device. View facing east.
- HI- 119-46 Feature No. 137 Culvert Inlet. Oblique view facing north.

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- HI- 119-50 Feature No. 143 Culvert Outlet. Elevation with scale device. View facing east.
- HI- 119-51 Feature No. 144 Culvert Inlet. Oblique view facing west.
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- HI- 119-56 Feature No. 148 Culvert Inlet. Oblique view facing north.
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- HI- 119-58 Feature No. 149 CRM Wall. Oblique view facing east.
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- HI- 119-61 Feature No. 152 Culvert Outlet. Elevation with scale device. View facing southeast.
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- HI- 119-66 Feature No. 157 Culvert Outlet. Elevation with scale device. View facing south.
- HI- 119-67 Feature No. 158 Culvert Inlet. Oblique view facing west northwest.
- HI- 119-68 Feature No. 158 Culvert Outlet. Elevation with scale device. View facing east southeast.
- HI- 119-69 Feature No. 160 Culvert Outlet. Elevation with scale device. View facing northeast.
- HI- 119-70 Feature No. 161 CRM Wall. Oblique view facing southwest.
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- HI- 119-73 Feature No. 166 Culvert Inlet. Elevation with scale device. View facing west southwest.
- HI- 119-74 Feature No. 166 Culvert Outlet. Elevation with scale device. View facing east northeast.
- HI- 119-75 Feature No. 168 CRM Wall. Oblique view facing east northeast.
- HI- 119-76 Feature No. 170 Culvert Inlet. Elevation with scale device. View facing west northwest.
- HI- 119-77 Feature No. 170 Culvert Outlet. Elevation with scale device. View facing east.
- HI- 119-78 Feature No. 171 Culvert Inlet. Elevation with scale device. View facing west.
- HI- 119-79 Feature No. 171 Culvert Outlet. Elevation with scale device. View facing east.
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- HI- 119-91 Feature No. 179 Culvert Inlet. Elevation with scale device. View facing west.
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- HI- 119-110 Feature No. 188 Pohakuokala Bridge. Oblique looking downstream. View facing west northwest.
- HI- 119-111 Feature No. 188 Pohakuokala Bridge. View under deck showing connection of old and new decks, facing south southwest.
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- HI- 119-124 Feature No. 200 Culvert Inlet. Oblique view facing west.
- HI- 119-125 Feature No. 201 Culvert Inlet. Oblique view facing west.
- HI- 119-126 Feature No. 201 Culvert Outlet. Elevation with scale device. View facing east.
- HI- 119-127 Feature No. 202 Waiale Bridge. Approach from the north. View facing south.
- HI- 119-128 Feature No. 202 Waiale Bridge. Oblique of outside from downstream rail. View facing south.
- HI- 119-129 Feature No. 202 Waiale Bridge. Detail of arched column base. View facing north northwest.
- HI- 119-130 Feature No. 202 Waiale Bridge. Looking downstream. View facing west.
- HI- 119-131 Feature No. 202 Waiale Bridge. Detail on downstream side showing rail backing plates and board formed concrete pier. View facing south southwest.

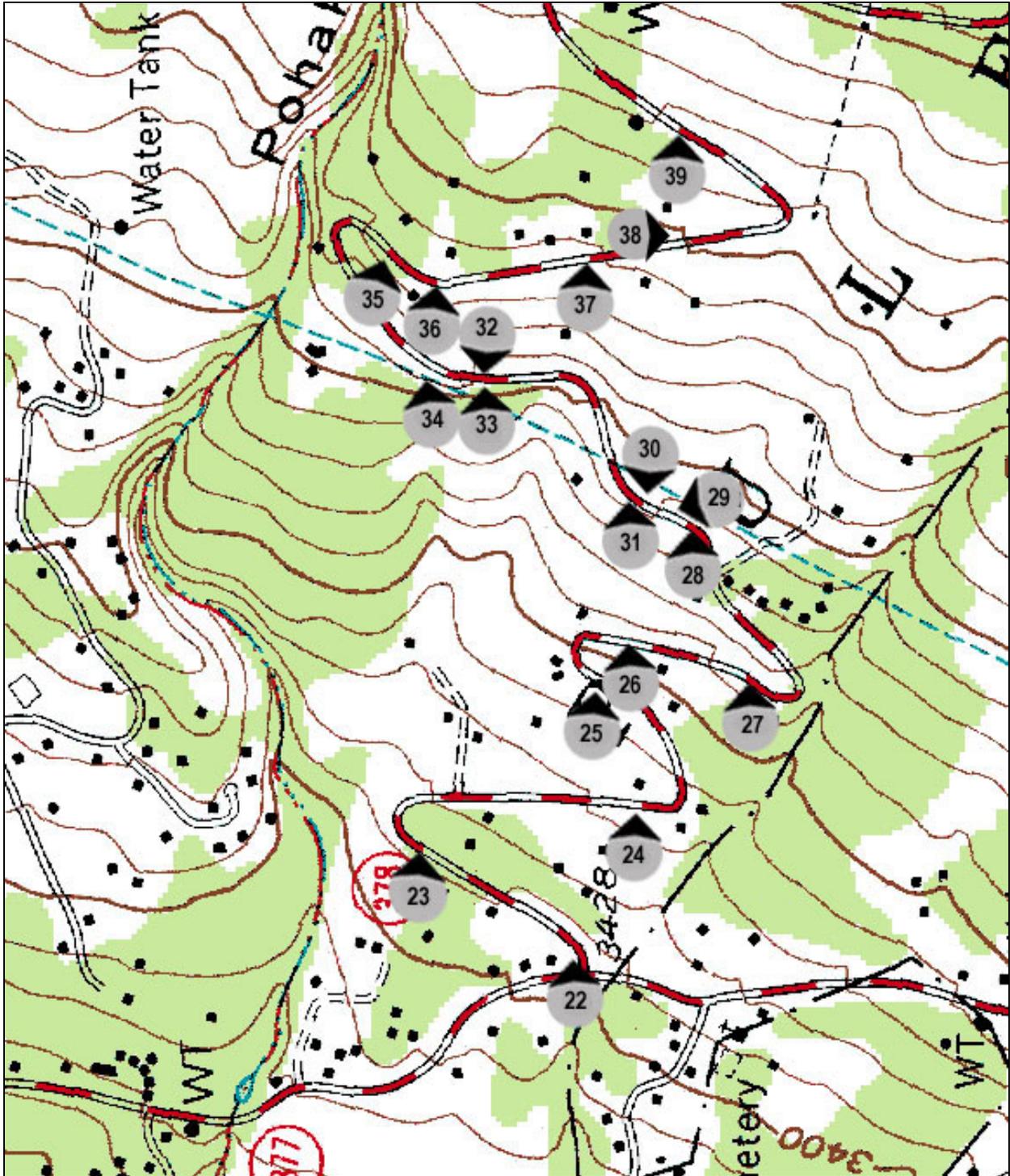
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- HI- 119-132 Feature No. 202 Waiale Bridge. Looking upstream. View facing east.
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- HI- 119-134 Feature No. 202 Waiale Bridge. Underside of bridge showing arch support with scale device and old and new decks. View facing southwest.
- HI- 119-135 Feature No. 203 Culvert Inlet. Elevation with scale device. View facing west northwest.
- HI- 119-136 Feature No. 204 CRM Wall. Oblique view facing east.
- HI- 119-137 Feature No. 205 Culvert Outlet. Oblique view facing southeast.
- HI- 119-138 Feature No. 206 Culvert Inlet. Elevation with scale device. View facing southeast.
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- HI- 119-140 Feature No. 208 Culvert Inlet. Oblique with scale device. View facing west.
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- HI- 119-142 Feature No. 209 Culvert Outlet. Elevation with scale device. View facing south.
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- HI- 119-144 Feature No. 210 Box Culvert Outlet. Elevation with scale device. View facing south.
- HI- 119-145 Feature No. 211 Culvert Inlet. Oblique view facing southwest.
- HI- 119-146 Feature No. 211 Culvert Outlet. Elevation with scale device. View facing east.
- HI- 119-147 Feature No. 212 Culvert Inlet. Oblique view facing west.

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- HI- 119-149 Feature No. 214 Culvert Inlet. Oblique view facing west.
- HI- 119-150 Feature No. 214 Culvert Outlet. Oblique view facing south
- HI- 119-151 Feature No. 217 Concrete Guardrail Post. Oblique view facing north.
- HI- 119-152 Feature No. 218 Culvert Outlet. Elevation with scale device. View facing southwest.
- HI- 119-153 Feature No. 220 Culvert Inlet. Oblique view facing northwest.
- HI- 119-154 Feature No. 220 Culvert Outlet. Oblique view facing south
- HI- 119-155 Feature No. 217 Concrete Highway Marker Post. Oblique view facing southwest.

Photo key showing section "A" for culvert photographs 22 through 39. No scale.



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Photo key showing section "B" for culvert photographs 40 through 60. No scale.

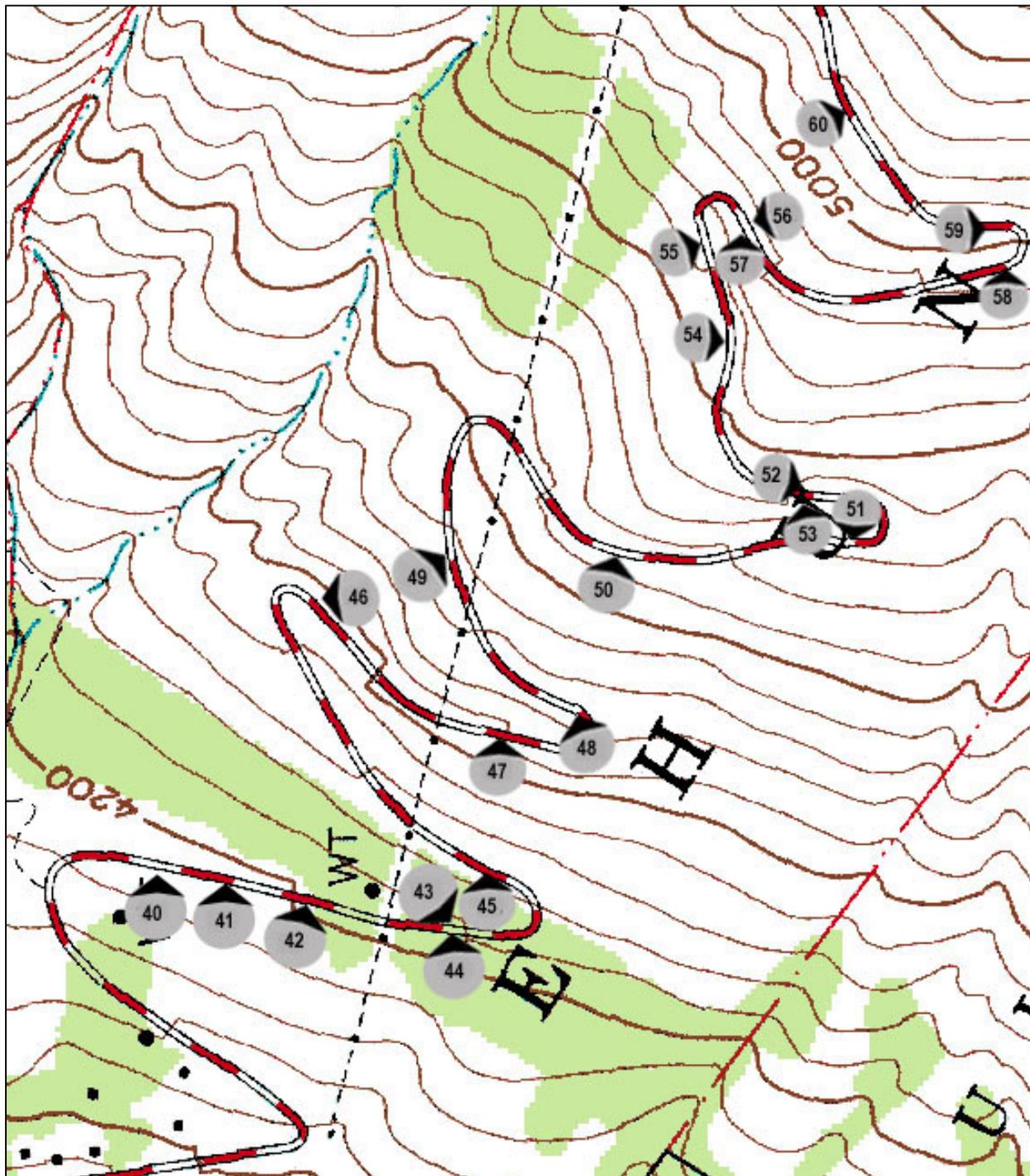
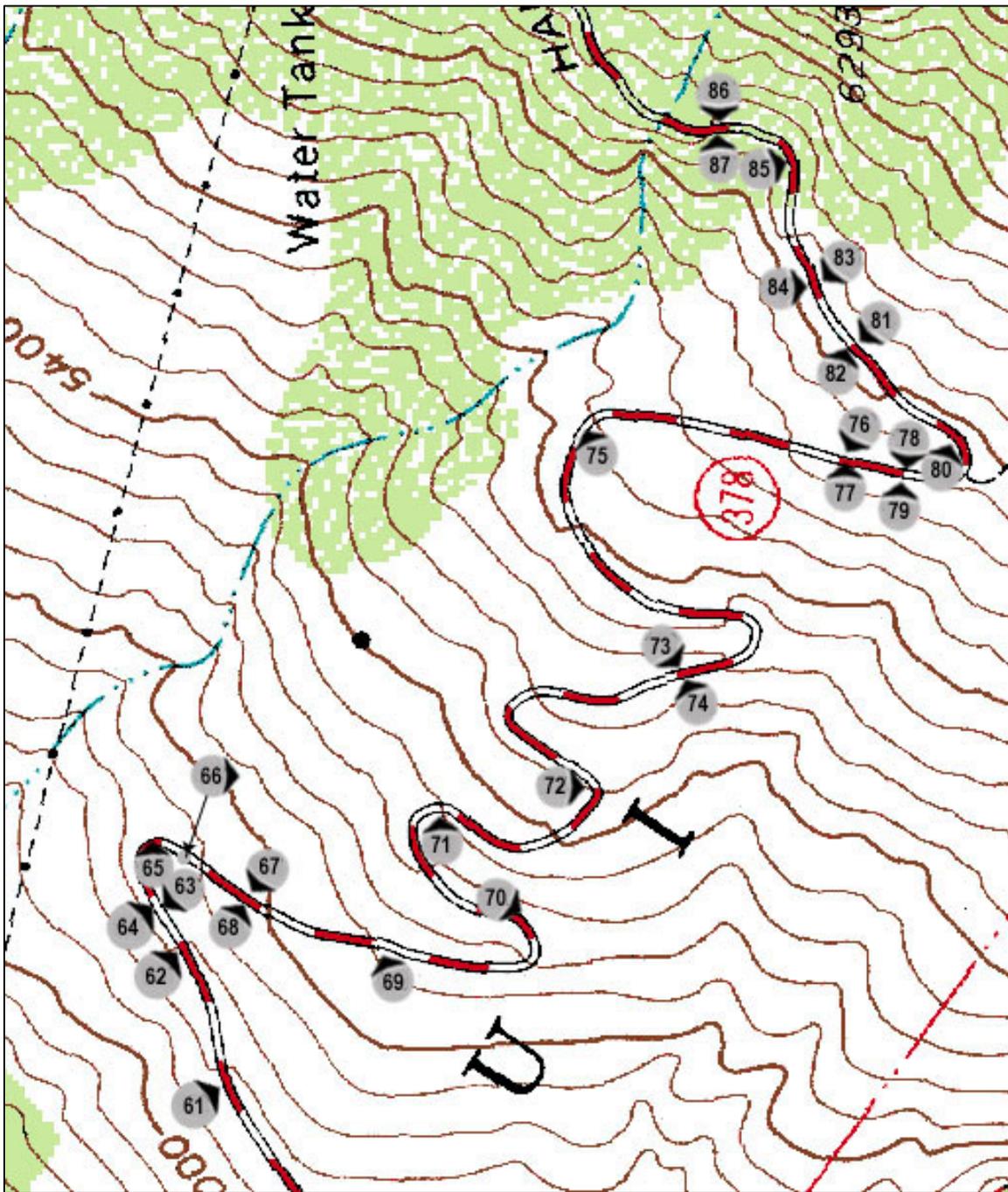
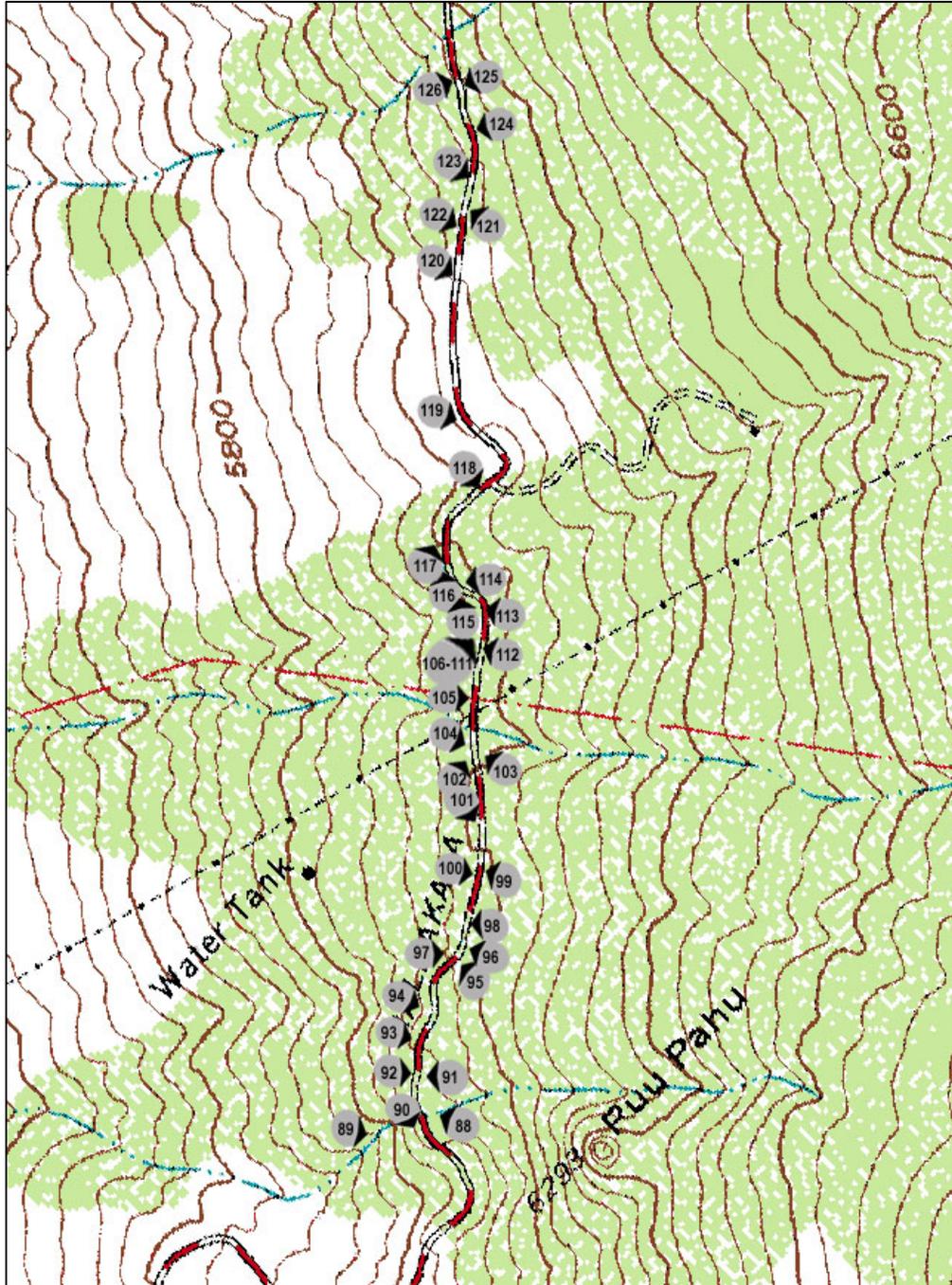


Photo key showing section "C" culvert photographs 61 through 87. No scale.



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Photo key section "D" for culvert and bridge photos 88 through 126 (Separate bridge photo keys follow culvert keys). No scale.



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Photo key section "E" for culvert and bridge photos 127 – 155 (Separate Bridge photo keys follow culvert keys) No scale.

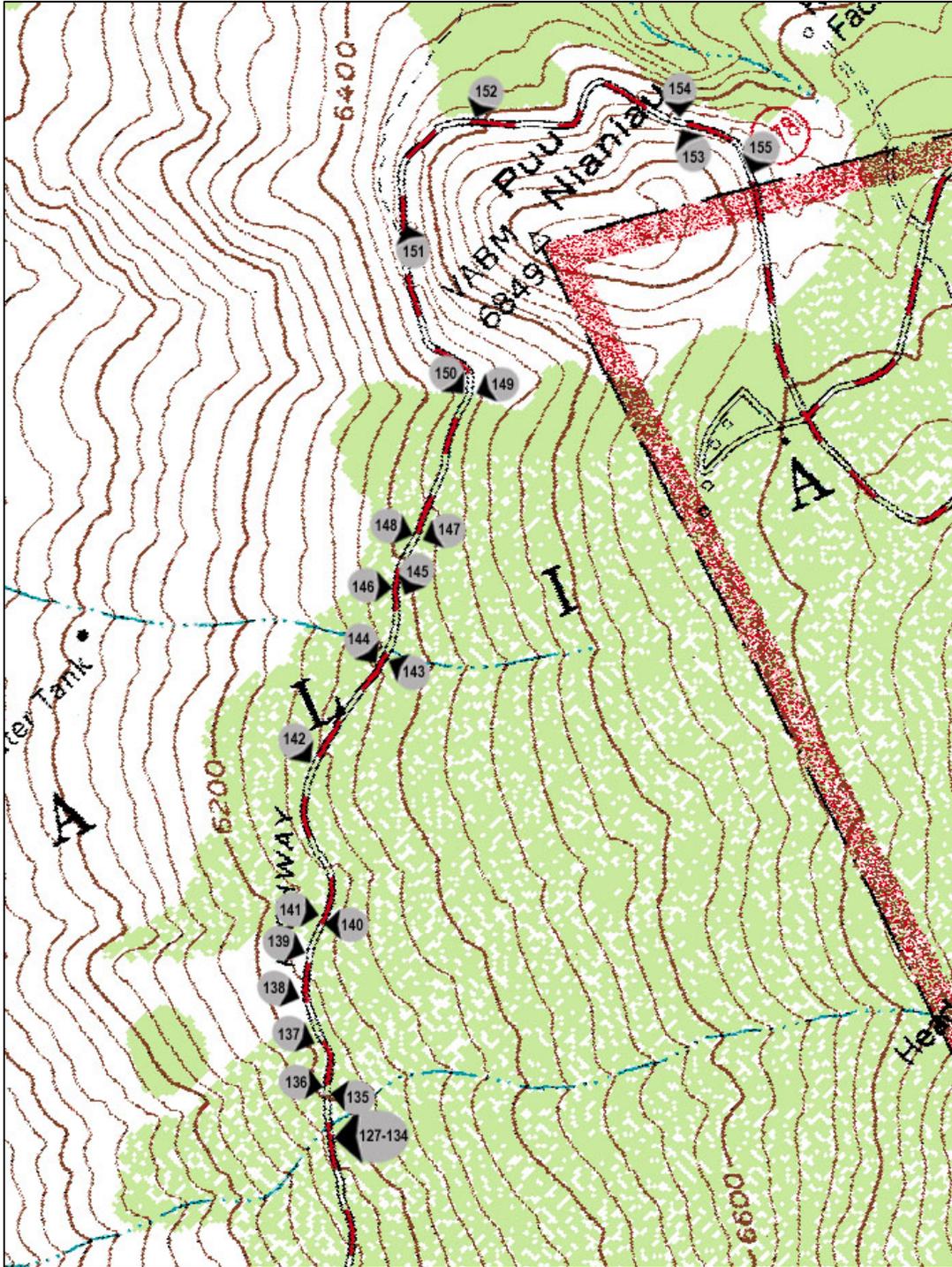


Photo key Pohakuokala Bridge. No scale.

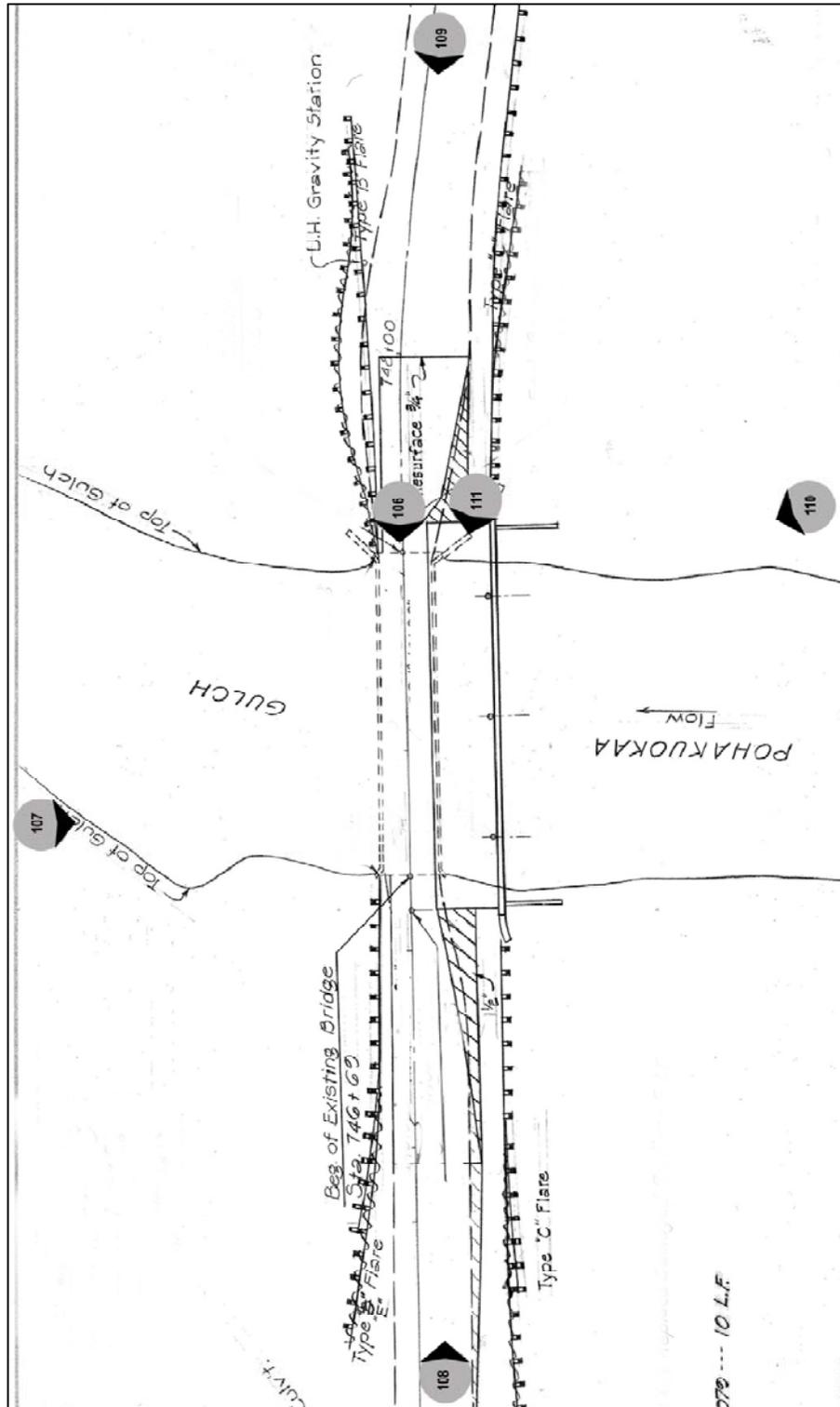


Photo key Waiale Bridge. No scale.

