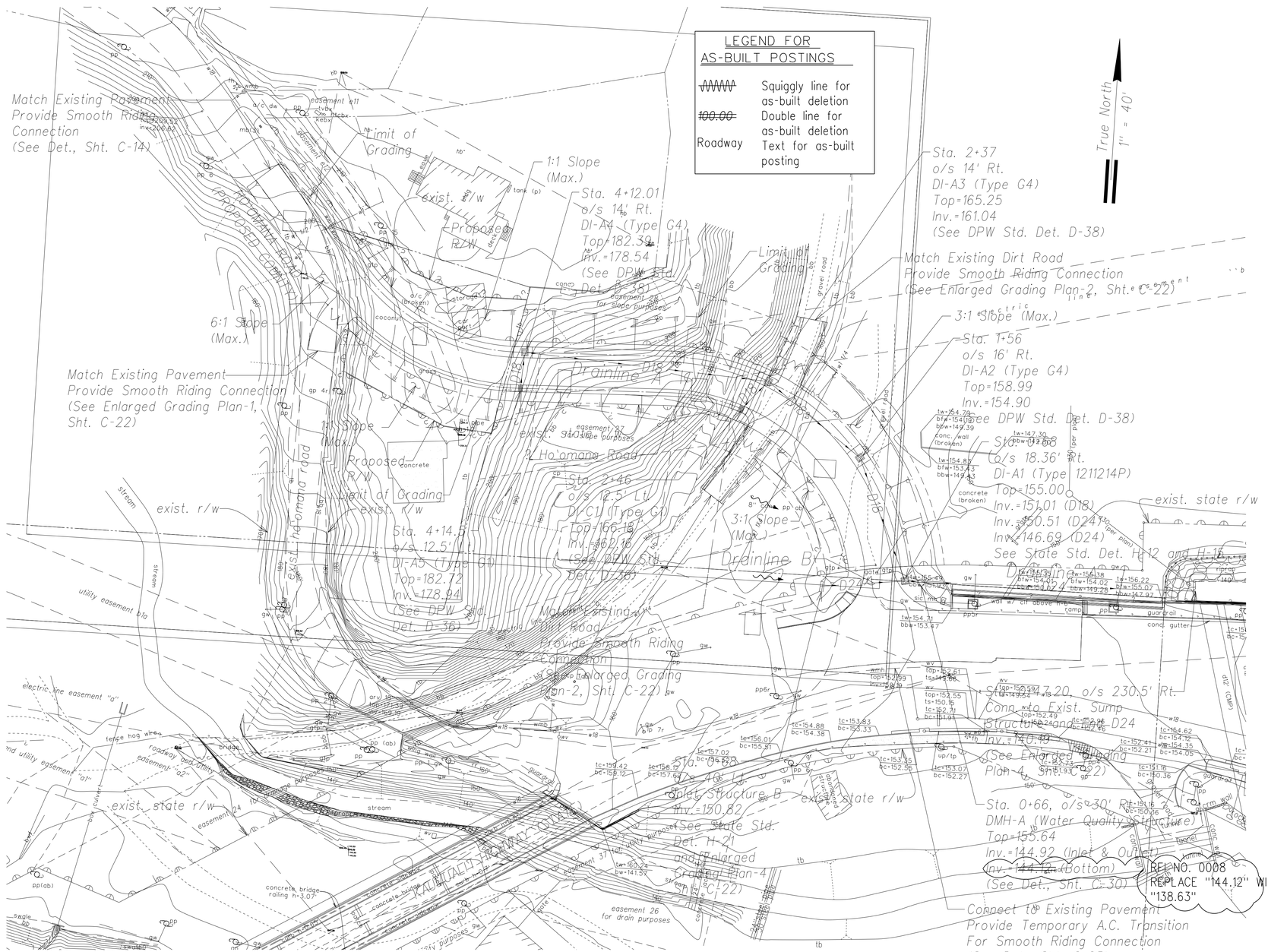
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	ARR-050-1(036)	FY13/14	Model	50



LEGEND FOR AS-BUILT POSTINGS

~~WWWWW~~	Squiggly line for as-built deletion
~~100.00~~	Double line for as-built deletion
Roadway	Text for as-built posting

Legend:

- Exist. Property Line or County Right-of-Way
- Exist. State Right-of-Way
- 66 — Exist. Ground Contour
- 68 — Proposed Finished Grade Contour
- Limit of Grading
- Top of Bank
- Bottom of Bank
- Fill Condition / Cut Condition
- Rip-Rap Outfall Pad
- Water Quality Manhole
- Drain Inlet Box
- D24 — Drainline
- Drainage Flow Direction

Earthwork Summary

(For Permit Purposes Only)

Area to be Disturbed =	1.27 AC.
Area to be Graded =	1.27 AC.
* Excavation =	10,300 CY
* Embankment =	2,300 CY
Net Excavation =	8,000 CY

* Quantities include cuts/fills to the subgrade. Elevations do not include over-excavation of unsuitable material or losses due to clearing and grubbing or shrinkage.

Grading & Drainage Plan

Scale: 1" = 40'

Notes:

1. For Roadway and Drainline A Profile, See Sheet C-28.
2. For Drainline B Profile, See Sheet C-29.
3. For Drain Structure Weep Connection Detail, See Sheet
4. See Sheet C-29 for Local Depression at Drain Inlets in the County Right-of-Way.

Graphic Scale:

1" = 40' 40' 20' 0 40' 80'

Scale in Feet

APPROVED BY:

COUNTY ENGINEER, DEPARTMENT OF PUBLIC WORKS (FOR WORK IN THE COUNTY RIGHT-OF-WAY) DATE

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE April 30, 2014 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING AND DRAINAGE PLAN

PHASE 1 - KAUMUALI'I HIGHWAY
LIHU'E MILL BRIDGE TO RICE STREET
PHASE 1 - HO'OMANA ROAD

Scale: As Shown Date: December 4, 2012

SHEET No. C-21 OF 50 SHEETS

ORIGINAL PLAN | NOTE BOOK | No. | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE

"AS-BUILT"

Model