FED. ROAD DIST. NO. STATE PROJ. NO. FISCAL SHEET NO. SHEETS

HAWAII HAW. 250A-02-09 2012 ADD. 7 14

SCALE : 1" = 20'

225+60 ₽ Sta. 226+03± o/s 15.5' Lt. Type "1" Inlet Structure END PROJECT BEGIN PROJECT Inv. = 1996.17 -⊩Rm- 2 (For Detail, See Sht. No. H5) Project No. 250A-02-09 Project No. 250A-02-09 ⊪ Rm - 3 型 Sta. 228+50 ₿ Sta. 224+00 -⊩Rm-2 Approx. R/W-Fence KOHALA MOUNTAIN ROAD 228+00 <---To Hawi -48" Culvert 228+00_{To Waimea}-227+00 225+00 224+00 226+00 Approximate Right-Of-Wa Approx. R/W— – ⊩Rm - 3 ₿ Sta. 226+04± Demolish, Remove, and Dispose — ⊩ Rm - 2 Existing 18" Culvert, Inlet and -⊩Rm-2 Outlet Structures. Install 48" Culvert

Demolish, Remove, and Dispose
Existing 18" Culvert, Inlet and
Outlet Structures. Install 48" Culvert
and Construct Type "1" Inlet and
Outlet Structures. Remove and Dispose
Trees. Protect Existing Trees. Regrade
Roadway Embankments. Install GRP
Slope Protection. Install RM-3 with yellow
Flexible Posts on each end of both headwalls.
For Det., see Std. Plan TE-14.

225+60

<u>B Sta. 226+04+ o/s 17.67' Rt.</u>

Type "1' Outlet Structure

Inv. = 1994.25

(For Detail, See Sht. No. H6)

Notes:

1. Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various Contract Items.

- 2. The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.
- 3. For added reinforcing around culverts at new drainage structures, see Standard Plan H-06.
- 4. Chamfer all exposed concrete edges 1".
- 5. For details of 48-inch Culvert trench restoration, see Sheet No. H4.

- 6. All exposed finish grade shall be hydromulched. The work shall be considered incidental to the various Contract Items.
- 7. Replace Pavement Striping and Markings damaged by the Contractor. The cost shall be considered incidental to the various Contract Items.
- 8. Concrete shall be Class A unless otherwise noted.
- 9. The Contractor shall obtain permission from adjacent landowners if the Contractor elects to work outside the R/W.
- 10. Demolishing, removing, and disposing the existing 18" culvert and Inlet and Outlet Structures shall not be paid for separately, but shall be considered incidental to the various Contract Items.
- 11. Trench Backfill Material A or Structure Backfill Material A shall be used for Trench Backfill in culvert trench restoration. Trench Backfill Material B, Structure Backfill Material B, and on-site soils shall not be used. The cost shall be considered incidental to Item 206.2020 Excavation for Drainage Facilities.

LEGEND FOR
AS-BUILT POSTINGS

Squiggly line for as-built deletion

100.00
Double line for as-built deletion

Roadway
Text for as-built

Roadway Text for as-built posting

5/7/12 Clarified RM-3 post color and location

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

<u>DRAINAGE PLAN</u> KOHALA MOUNTAIN ROAD

DRAINAGE IMPROVEMENTS PHASE 2
VICINITY OF M.P. 12.88

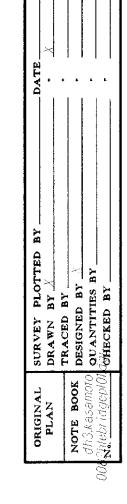
 VICINITY OF M.F. 12.00

 Project No. 250A-02-09

 Scale: 1" = 20'
 Date: March 2012

SHEET No. H2 OF 6 SHEETS

ADD. 7



"AS-BUILT"