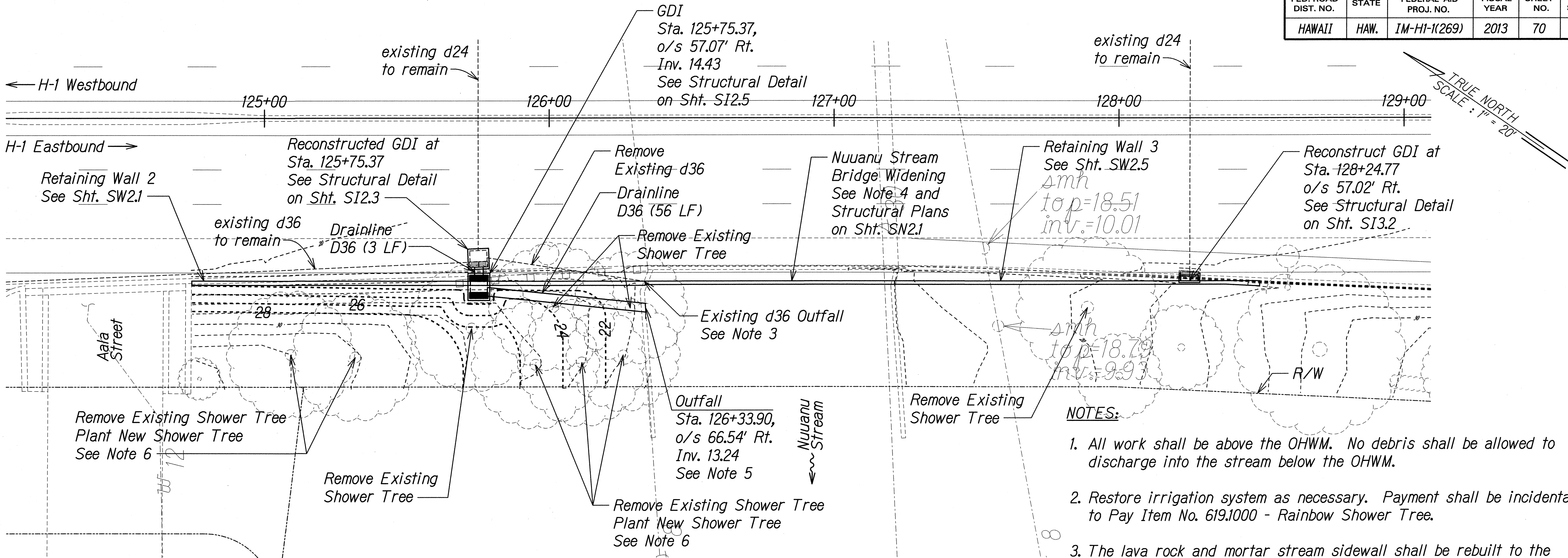
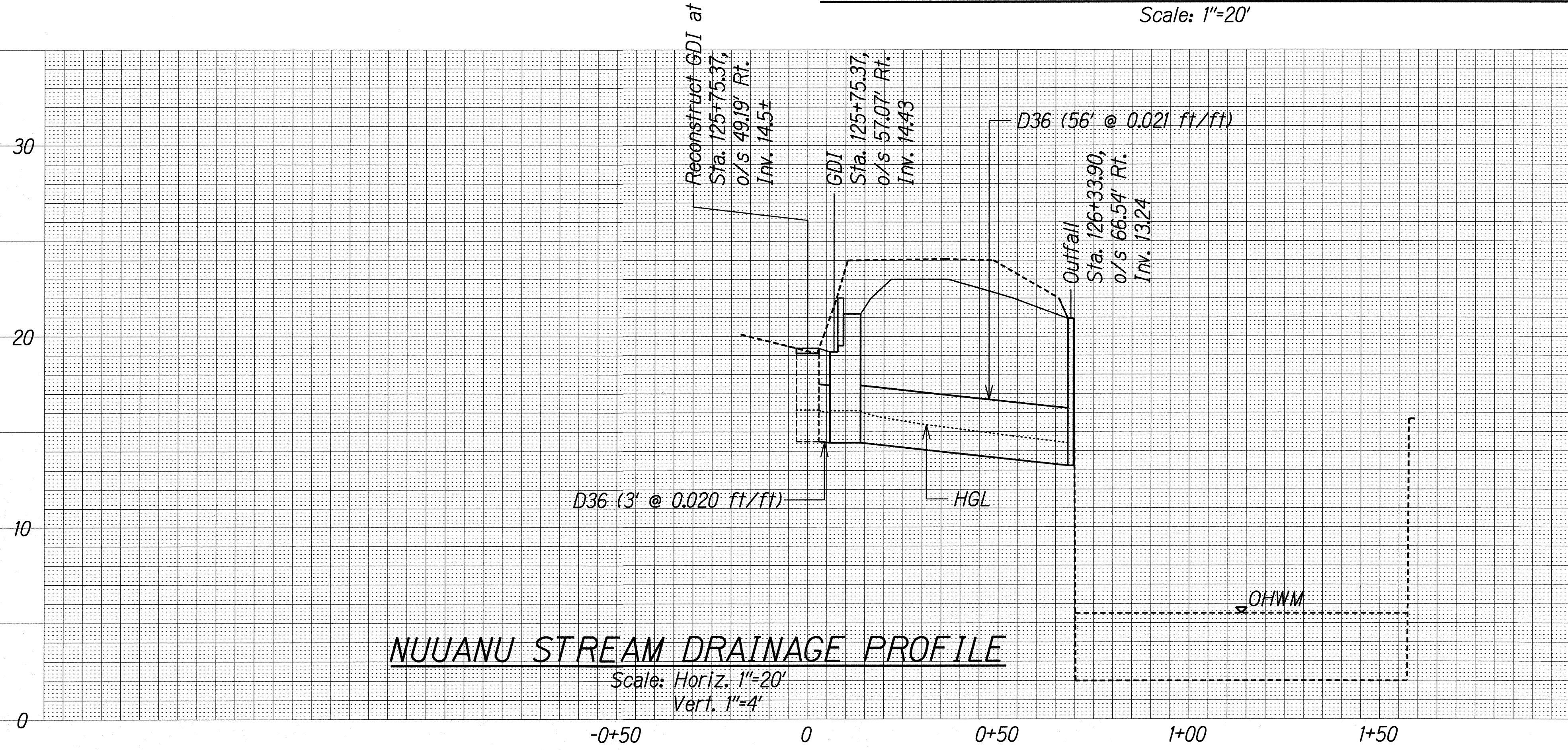


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(269)	2013	70	382



- NOTES:**
1. All work shall be above the OHWM. No debris shall be allowed to discharge into the stream below the OHWM.
  2. Restore irrigation system as necessary. Payment shall be incidental to Pay Item No. 619.1000 - Rainbow Shower Tree.
  3. The lava rock and mortar stream sidewall shall be rebuilt to the extent practicable where removed during construction activities.
  4. Lava rocks removed for construction of the bridge widening shall be set aside for wall restoration following construction. During the construction period, the Contractor shall store the lava rock in a locked location inaccessible to the general public. In addition, signs shall be placed in the storage area noting that the rocks are not to be used by the Contractor's personnel for any other purpose. All existing rocks shall be incorporated into the reconstructed outfall.
  5. Reconstruct D36 outfall to match surrounding stream sidewall. All exposed surfaces shall match existing including lava rock/mortar pattern and wall thickness and height.
  6. Plant Rainbow Shower Tree (*Cassia fistula x javanica* 45 gal.), 10'-12' ht., 6'-8' spread (5 each).
  7. All excavation behind Retaining Wall 2, including regrading of the slope, shall be paid under pay item 205.0100 Structure Excavation for Retaining Walls.
  8. Hydro-mulch seed and place erosion control matting on all exposed slopes.

**NUUANU STREAM DRAINAGE & GRADING PLAN**  
Scale: 1"=20'



**NUUANU STREAM DRAINAGE PROFILE**  
Scale: Horiz. 1"=20'  
Vert. 1"=4'

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *[Signature]* DATE: 04/30/14

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**NUUANU STREAM DRAINAGE & GRADING**  
**PLAN & PROFILE**

INTERSTATE ROUTE H-1 REHABILITATION  
Middle Street to Vicinity of Ward Avenue  
FAP NO. IM-HI-1(269)

Scale: 1"=20'      Date: Apr. 26, 2013

SHEET No. D-1 OF 1 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

T:\16459A IDIQ PAVMT PREVENTIVE MAINTENANCE\HI-MIDDLE TO WARD\CADD\SHEETS\03 DRAIN\NUUANU\_PP.dgn