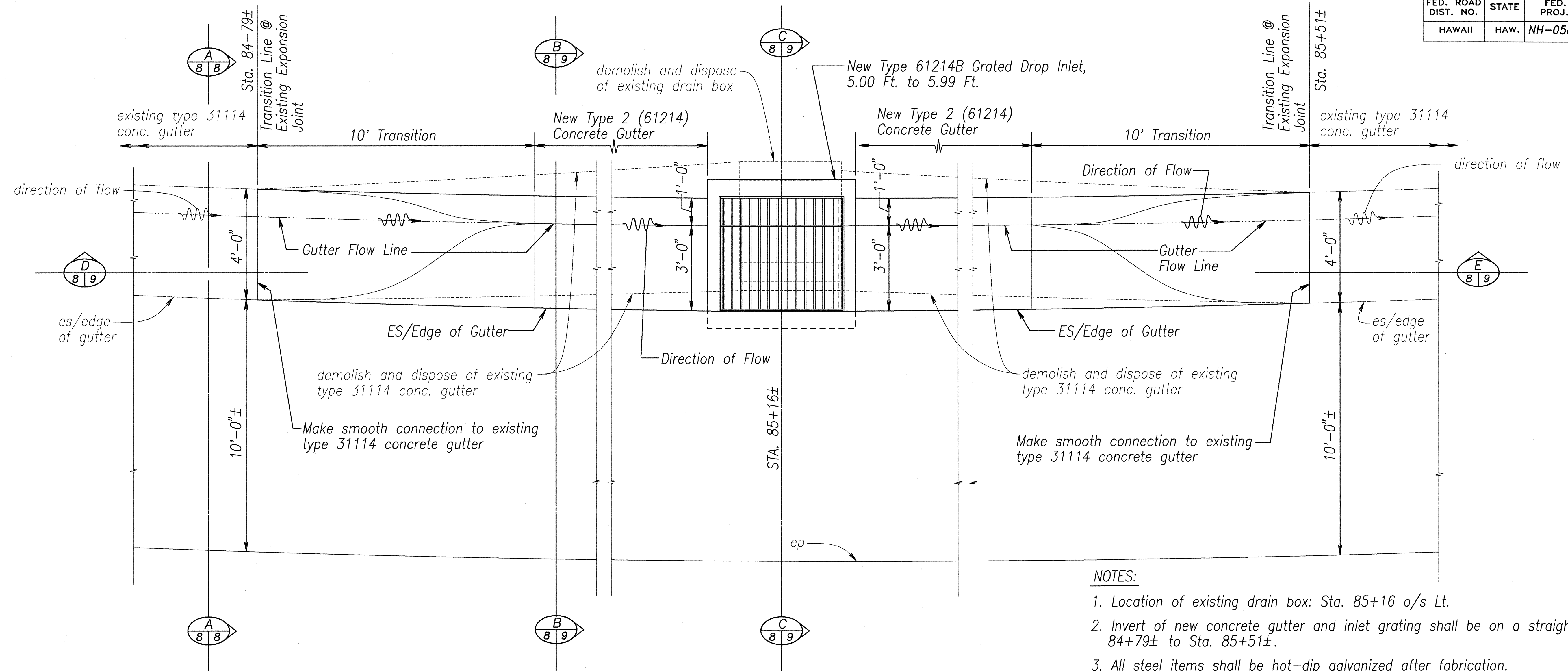


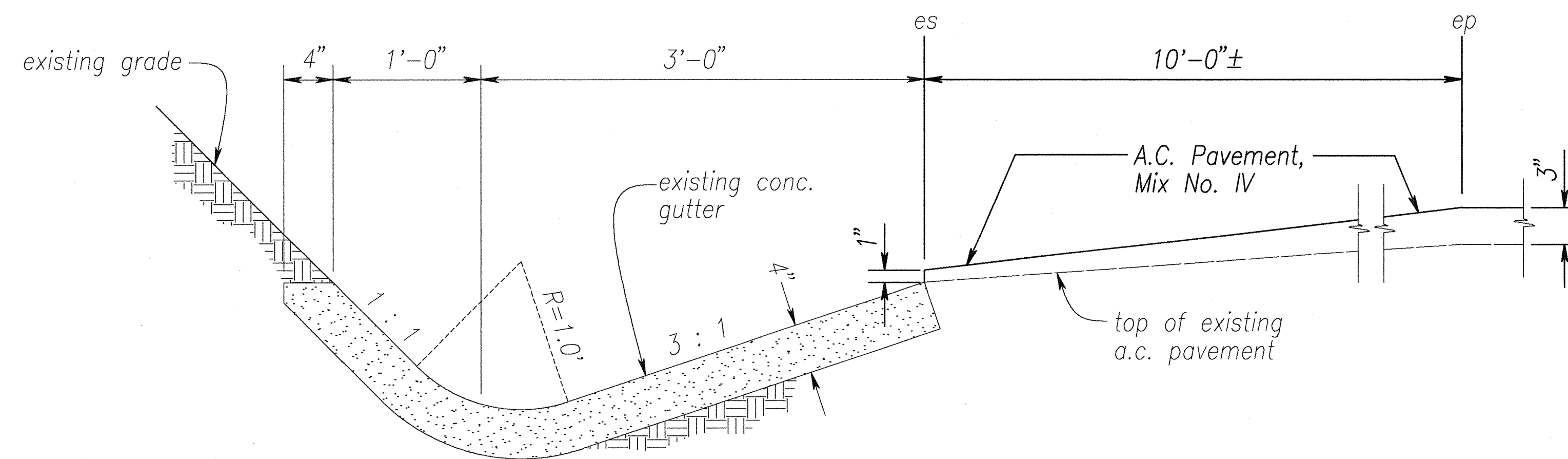
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-058-1(3)	2001	8	39



PLAN-CONCRETE GUTTER RESTORATION AND NEW TYPE 61214B GRATED DROP INLET  
Not To Scale

NOTES:

1. Location of existing drain box: Sta. 85+16 o/s Lt.
2. Invert of new concrete gutter and inlet grating shall be on a straight grade from Sta. 84+79± to Sta. 85+51±.
3. All steel items shall be hot-dip galvanized after fabrication.
4. Apply two layers of zinc coating to all welded areas after installation.
5. Removal and disposal of existing grated drop inlet, and reconnection of existing drain line shall be considered incidental to Contract Item No. 604.6214-Type 61214B Grated Drop Inlet, 5.00 ft. to 5.99 ft.
6. Removal and disposal of existing concrete gutter, filling void w/bed course material, grading and dressing beyond concrete gutter and grated drop inlet, and installation of bed course material for concrete gutter shall be considered incidental to Contract Item No. 609.2214 - Gutter, Type 2(61214) or Contract Item No. 609.2215 - Gutter Transition Section.
7. The depth of the new Type 61214B Grated Drop Inlet as indicated on the plans and proposal is based on existing as-built drawings and topographic survey. If the Contractor elects to use pre-cast inlet structure, prior to ordering, the Contractor shall verify in the field the actual depth of the existing drain inlet. The depth shall be measured vertically from the top of existing edge of paved shoulder to the invert of the pipe. The actual depth of the new GDI shall be based on the measured depth plus the thickness of the new A.C. overlay at the edge of shoulder as shown on the plans.



CROSS-SECTION AT EXISTING TYPE 31114 GUTTER  
Not To Scale

SURVEY PLOTTED BY	DATE
DRAWN BY P. Pabayo	9-8-00
DESIGNED BY S. Hagan	
QUANTITIES BY	
CHECKED BY M. D. Alon	



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DRAINAGE DETAILS**

NAWILIWILI ROAD RESURFACING  
Kaunualii Highway to Waapa Road  
Federal Aid Proj. No. NH-058-1(3)

Scale: NTS Date: Nov. 2000

SHEET No. 1 OF 2 SHEETS

