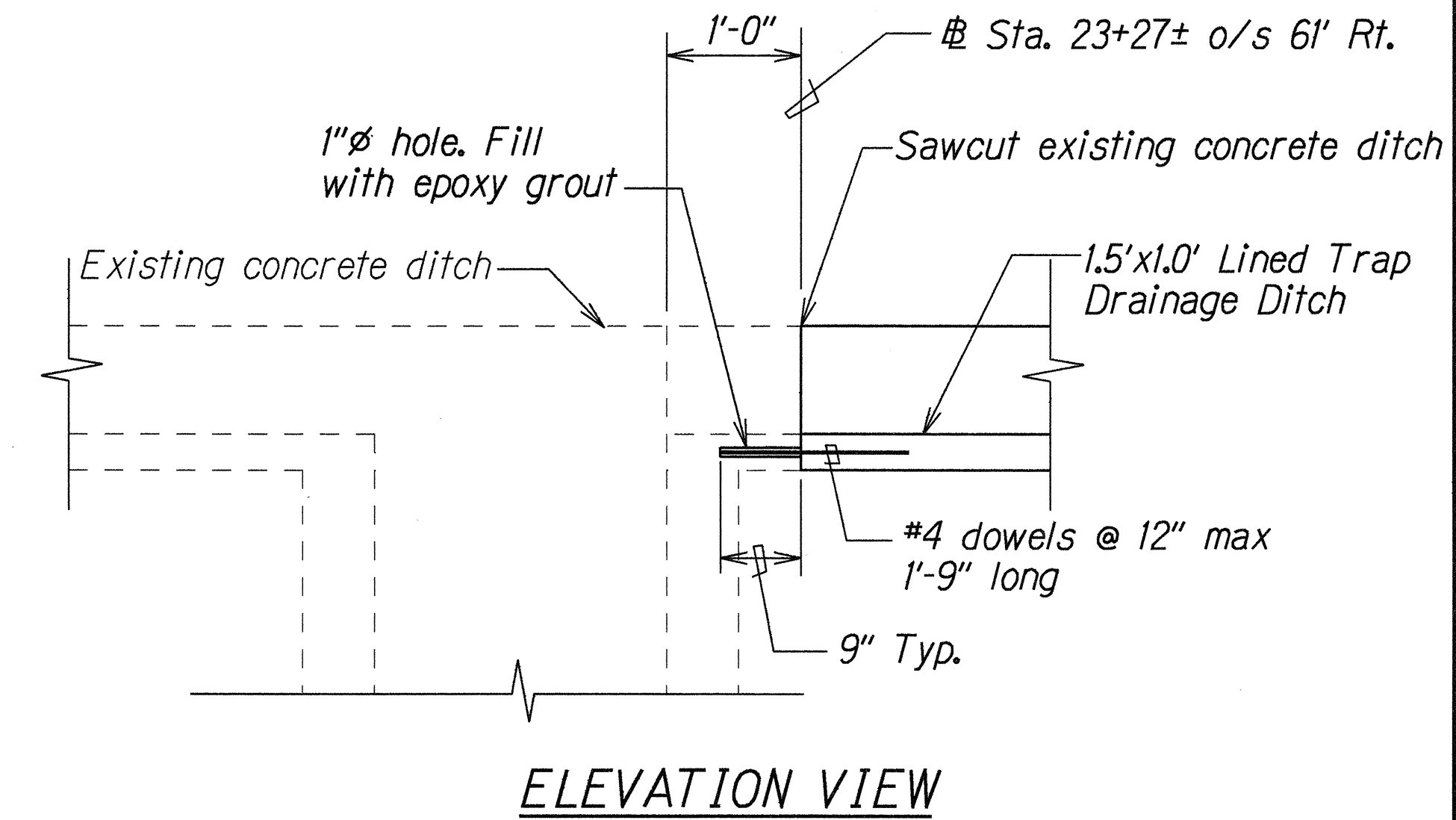
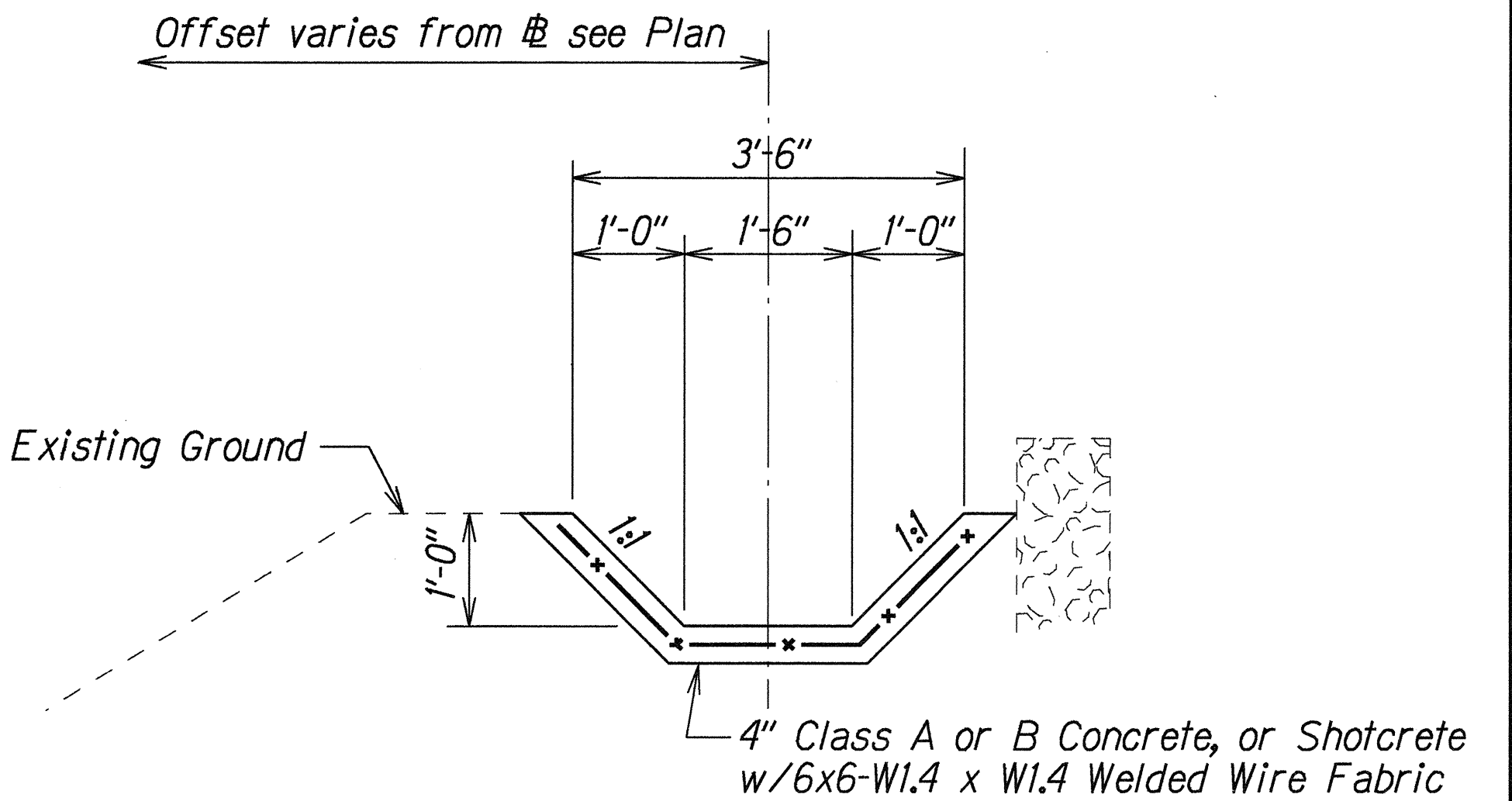
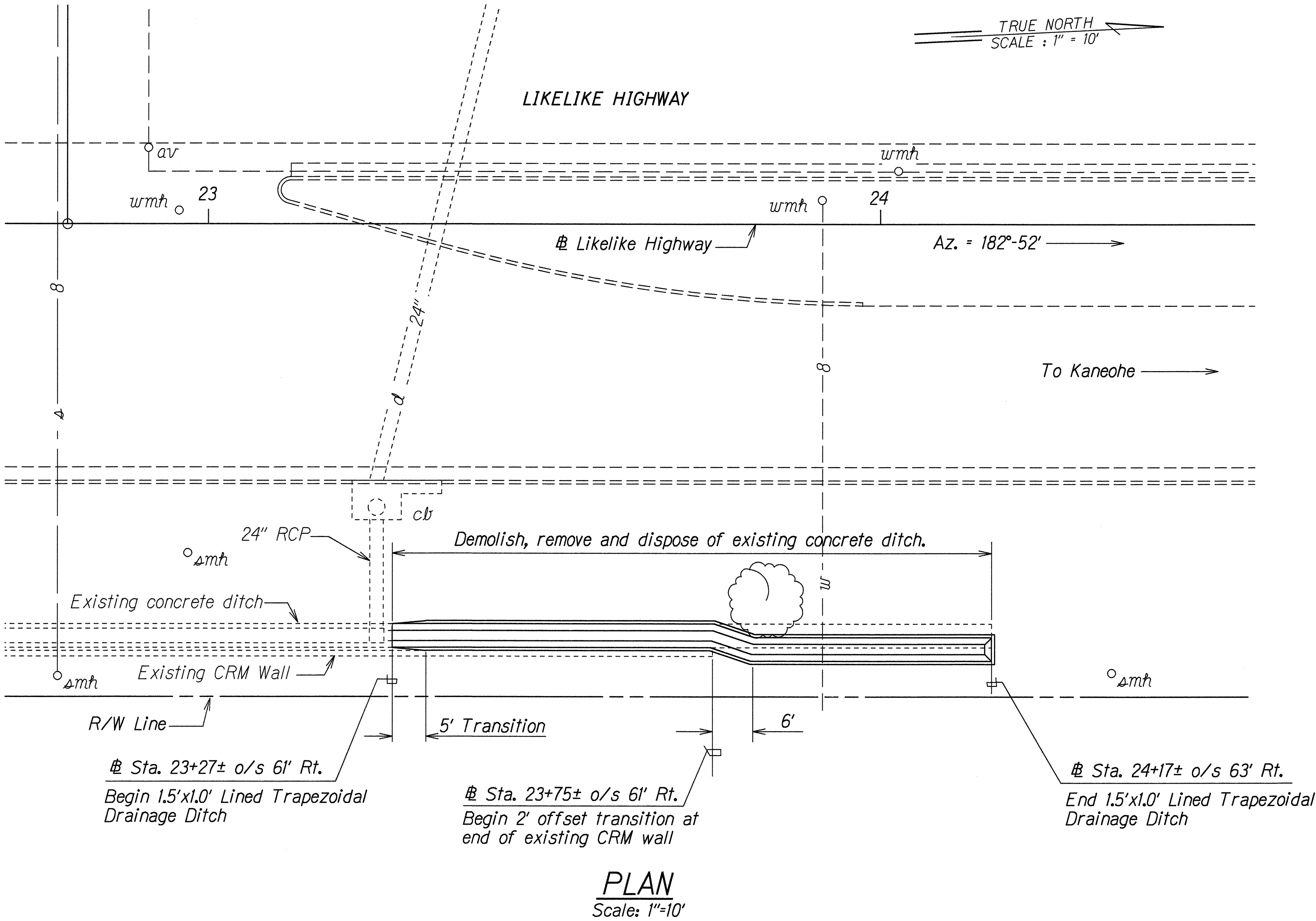


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(19)	1995	59	78



DETAIL OF 1.5'x1.0' LINED TRAPEZOIDAL DRAINAGE DITCH
Scale: 3/4"=1'-0"

DRAINAGE NOTES:

- 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.
- 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.
- Only non-pneumatic type of drill as approved by the Engineer will be permitted for drilling holes in concrete. Where indicated on Plans, the approximate diameter of drilled holes for installation of dowels shall be 1", and voids after installing dowels shall be filled with epoxy grout as directed by the Engineer. The above work shall not be paid for separately, but shall be considered incidental to Item 640.1000 - Lined Trapezoidal Drainage Ditch.
- Demolishing, removing, and disposing existing concrete ditch structure shall not be paid for separately, but shall be considered incidental to Item 640.1000 - Lined Trapezoidal Drainage Ditch.
- Concrete shall be Class A unless otherwise noted.
- Chamfer all exposed concrete edges 1".

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY L. Cox	May, 1995
QUANTITIES BY	DESIGNED BY C. Matsuda	
CHECKED BY	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN
LIKELIKE HIGHWAY RESURFACING
School St. to Emmeline Pl.
F.A. Project No. NH-063-1(19)

Scale: As Noted
SHEET No. HI OF 2 SHEETS

Date: May, 1995