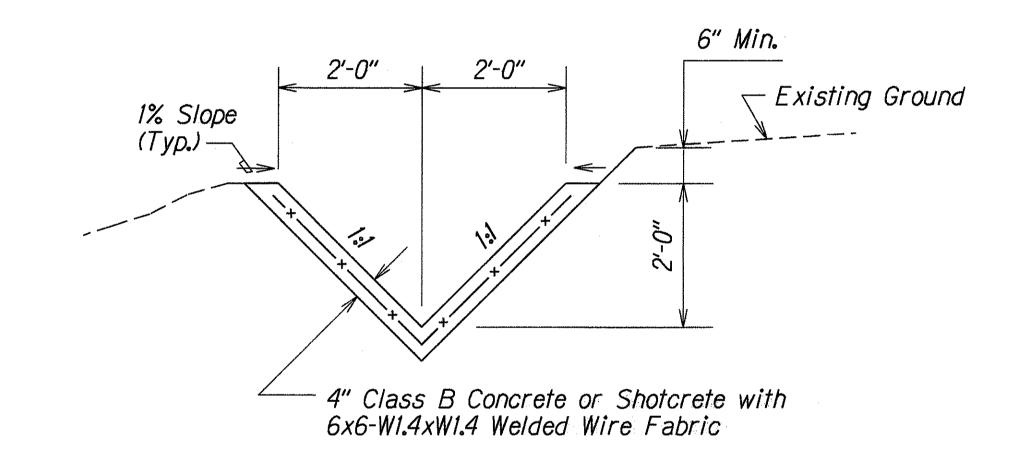
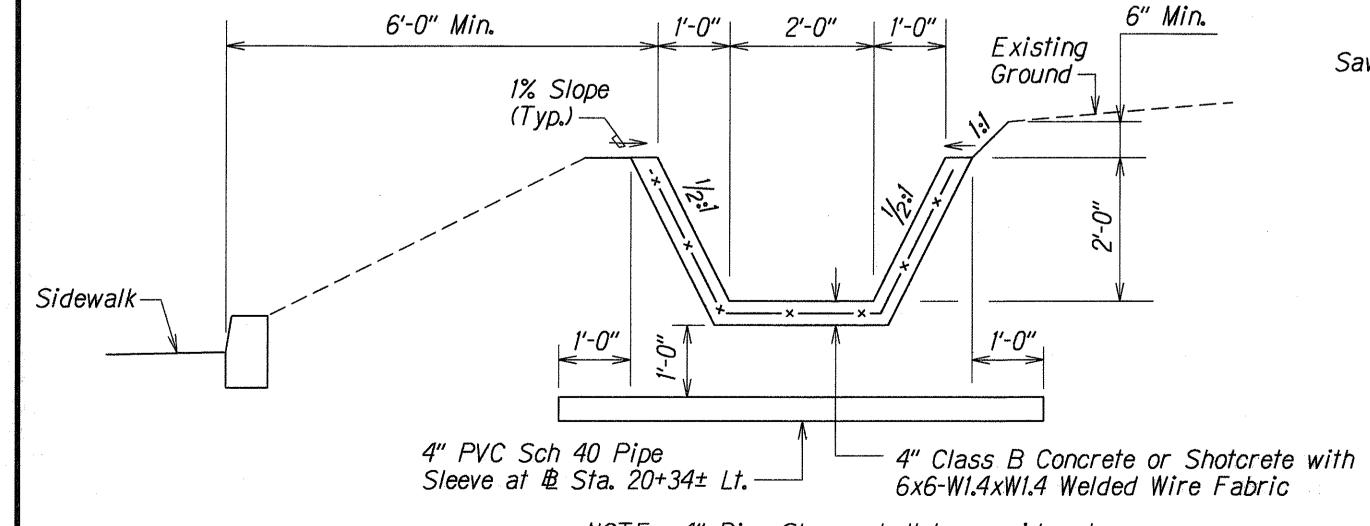


TRANSITION PLAN



DETAIL OF 4 FT.x2 FT. LINED VEE DITCH



NOTE: 4" Pipe Sleeve shall be considered incidental to the Lined Trapezoidal Ditch

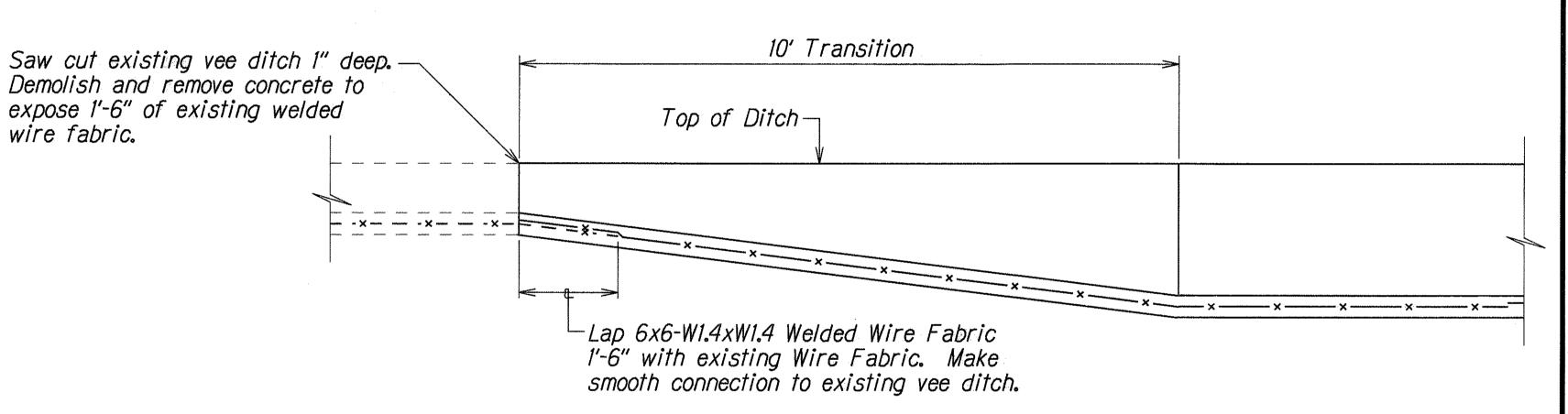
DETAIL OF 2 FT.x2 FT. LINED TRAPEZOIDAL DITCH

GENERAL NOTES:

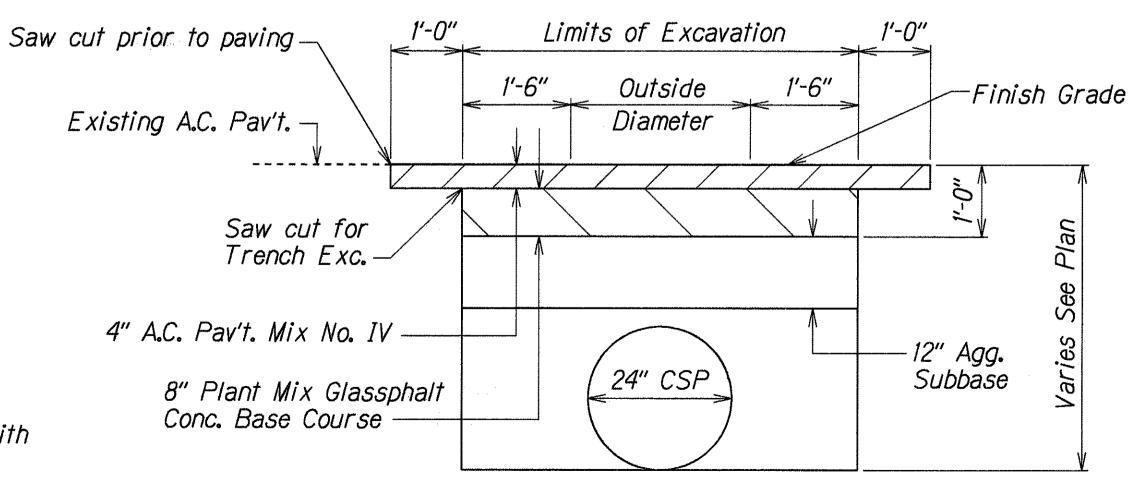
FED. ROAD DIST. NO. STATE PROJ. NO. FISCAL YEAR NO. SHEETS

HAWAII HAW. STP-0300(39) 1996 30 70

- 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 maintain flow. The cost for this work shall be incidental to the various Contract Items.
- 2. The Contractor shall verify the locations of all existing culverts, underdrain and utilities in the field. Any existing culverts, underdrains and utilities damaged during construction shall be repaired or replaced by the Contractor at his expense.
- 3. Only non-pneumatic type of drill as approved by the Engineer will be permitted for drilling holes in concrete. The approximate diameter of drilled holes for installation of dowels shall be 1½ inches. After installing dowels, the voids shall be filled with epoxy grout as directed by the Engineer. Above work shall be considered incidental to the drainage structure.
- 4. Whenever possible salvaged Frames and Covers shall be cleaned, painted and reused. Frames and Covers not used shall be returned to 727 Kakoi St., Honolulu, Hawaii 96819. Above work shall be considered incidental to the drainage structure.
- 5. Concrete shall be Class A unless otherwise noted.
- 6. Chamfer all exposed concrete edges 1".



CONNECTION TO EXISTING VEE DITCH



TRENCH AND A.C. PAV'T. RESTORATION DETAIL

NOTE:

Pavement restoration shall be paid for under the various contract items-A.C. Pavement Mix No. IV, Plant Mix Glassphalt Concrete Base Course, and Aggregate Subbase.

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

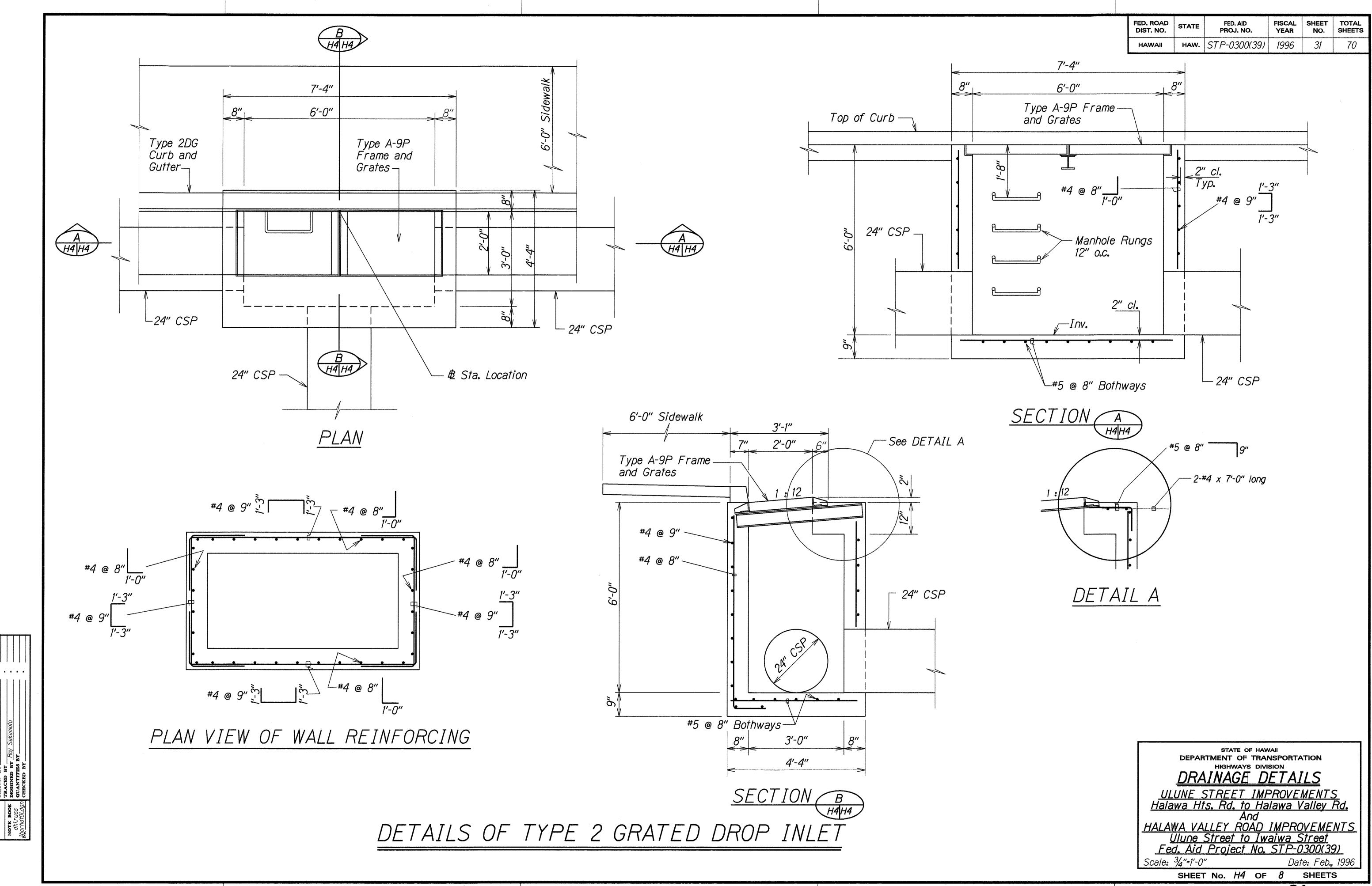
ULUNE STREET IMPROVEMENTS
Halawa Hts. Rd. to Halawa Valley Rd.

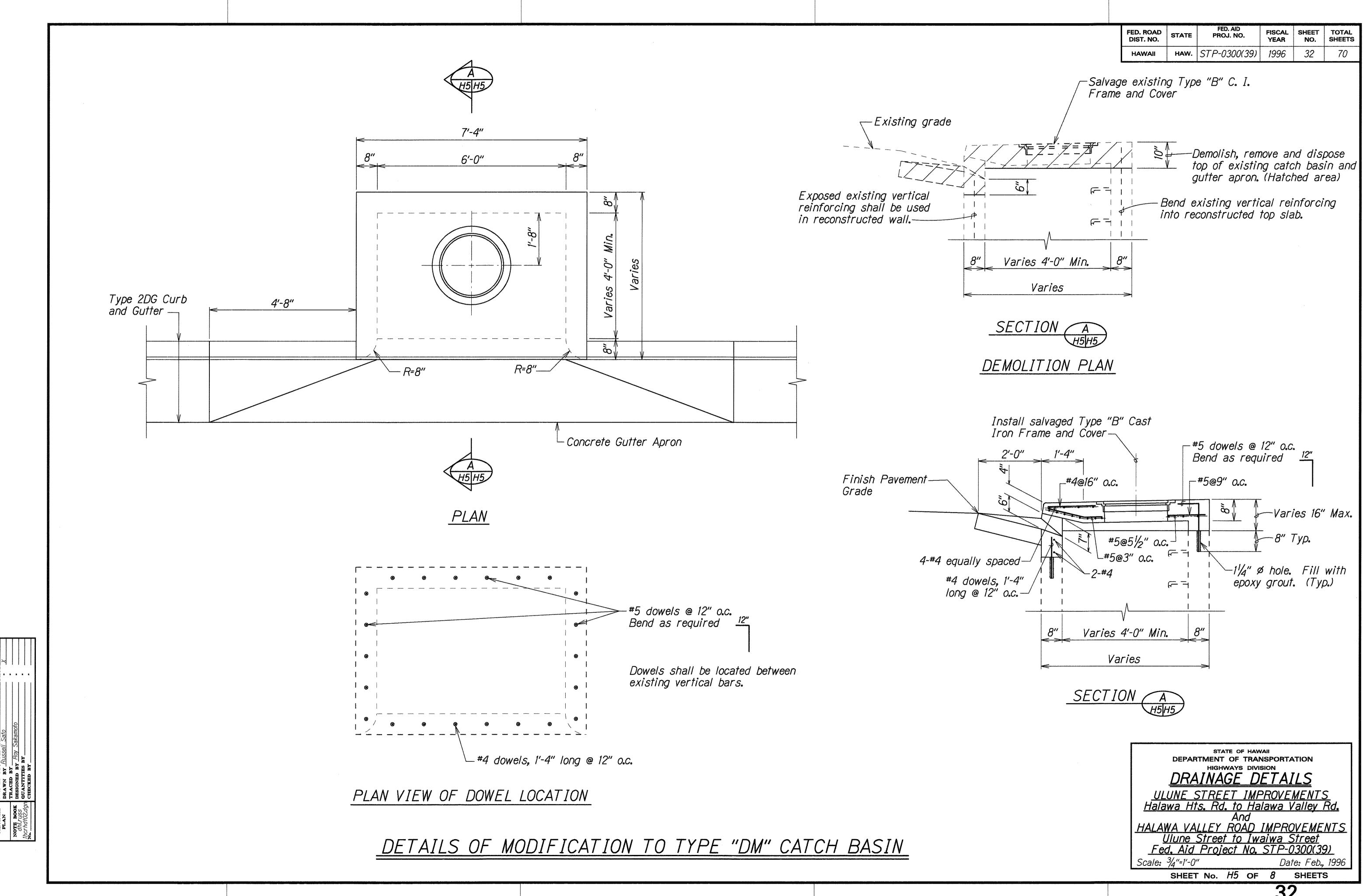
And
HALAWA VALLEY ROAD IMPROVEMENTS
Ulune Street to Iwaiwa Street
Fed. Aid Project No. STP-0300(39)

Scale: 3/4"=1'-0"

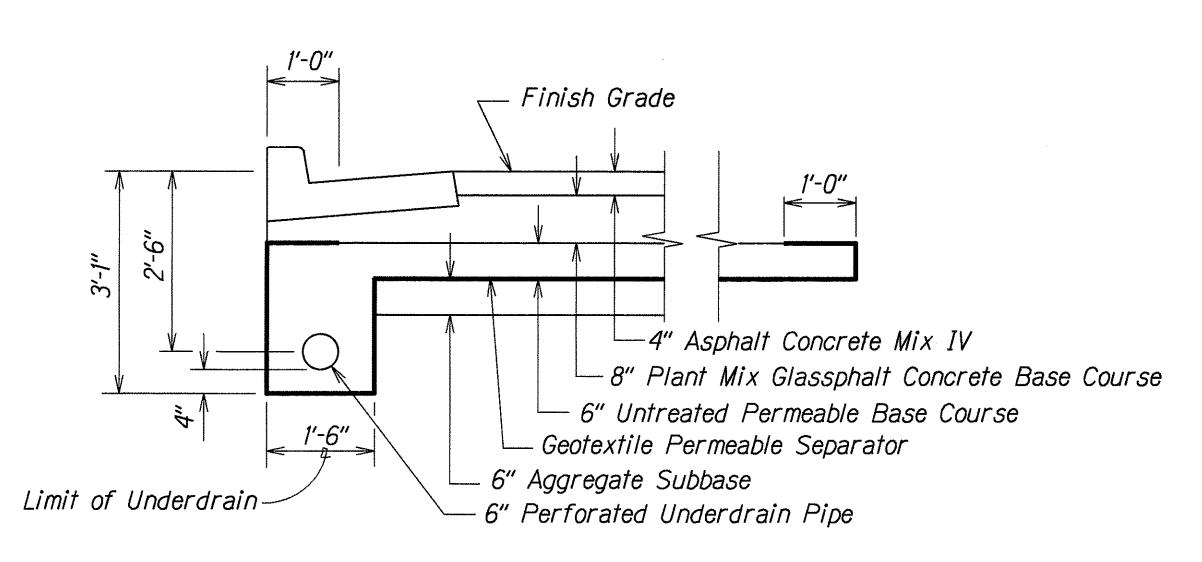
Date: Feb., 1996

SHEET No. H3 OF 8 SHEETS



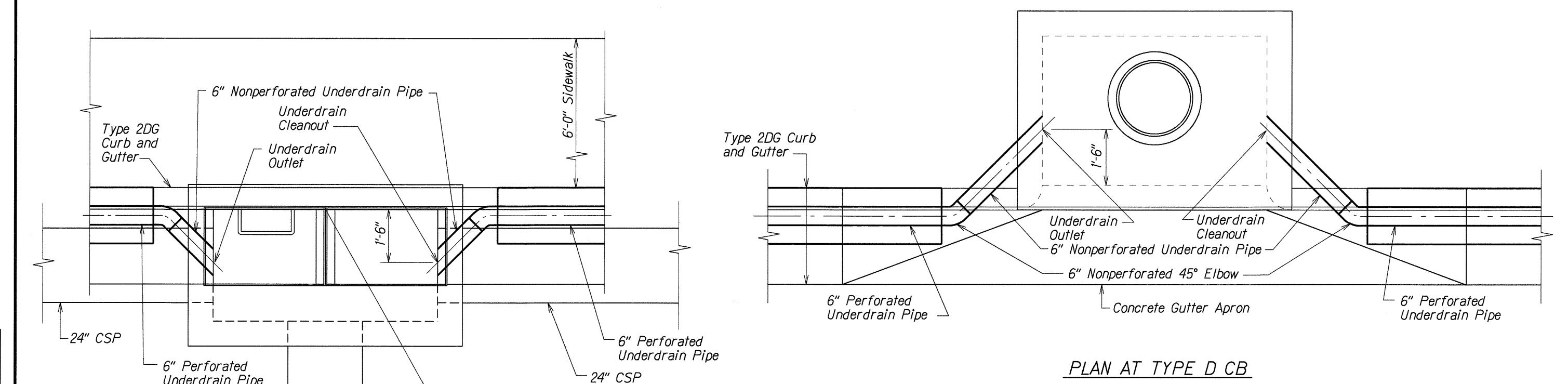


FED. AID PROJ. NO. HAW. STP-0300(39) 1996



TYPICAL SECTION OF UNDERDRAIN

- 橙 Sta. Location



Underdrain Pipe

24" CSP --->

PLAN AT TYPE 2 GDI

TYPICAL DETAIL OF UNDERDRAIN CONNECTION TO DRAINAGE STRUCTURE

Scale: 3/4"=1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION DRAINAGE DETAILS ULUNE STREET IMPROVEMENTS
Halawa Hts. Rd. to Halawa Valley Rd. HALAWA VALLEY ROAD IMPROVEMENTS

Ulune Street to Iwaiwa Street

Fed. Aid Project No. STP-0300(39)

Scale: 3/4"=1'-0" Date: Feb., 1996

SHEET No. H6 OF 8 SHEETS

