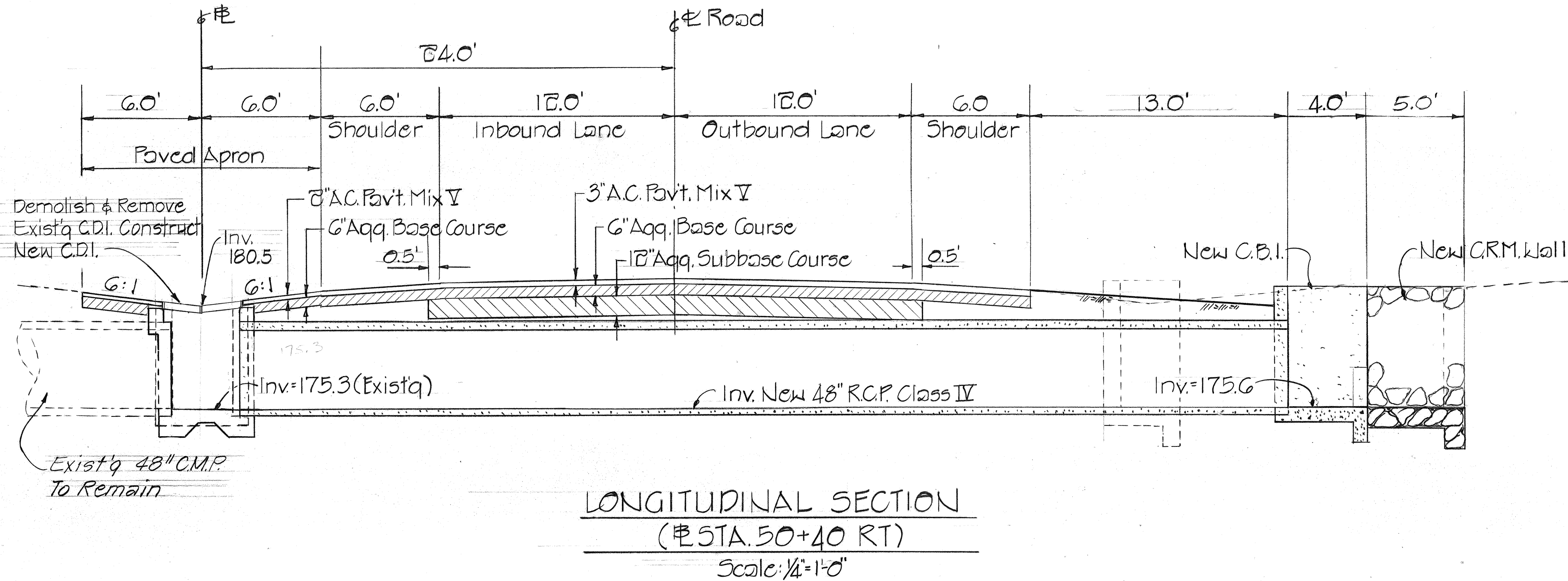


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	570A-01-82	1982	3	7

GENERAL NOTES:

- 1- The existing location of water mains shown are approximate only and shall be confirmed by the Contractor in the field before beginning construction.
- 2- The Contractor shall coordinate his work with the Lihue Plantation Co. Ltd. so as not to disrupt the Plantation's normal schedule of operations in the vicinity of the Project.
- 3- All elevations are based on "Mean Sea Level."
- 4- The Contractor shall conduct his operation in a responsible manner such that the roadway and irrigation ditches will be able to drain at all times and at no time shall the capacity to drain be less than existing conditions.
- 5- All work necessary to restore pavement markers and striping shall be considered incidental to the various items of work.
- 6- The contractor shall keep at least one lane open to traffic during working hours and both lanes open to traffic during non-working hours. All lanes shall be open to traffic during peak hours from 6:30 a.m. to 8:30 a.m. and from 3:30 p.m. to 5:30 p.m.
- 7- Removal and disposal of structures and obstructions (except portions of conc drop intake) shall not be paid for separately but shall be considered incidental to Item No. 806.1000, "Structure Excavation other than at Bridges."
- 8- Prior to paving the culvert trench section the edges of the existing AC pavement shall be saw cut in neat straight lines at least 6 inches back of the existing undisturbed edge.
- 9- Grates and frames shall be hot dip galvanized after fabrication; see specifications.
- 10- All welds 3/8" unless otherwise noted.
- 11- The Frame & Grate materials shall conform to the specifications of ASTM Designation Structural Steel A 283, Grade D and the Standard Specifications.
- 12- 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 1/2 inches; and voids after installing dowels shall be filled with mortar as directed by the Engineer. The work (Drilling 1 1/2" holes and filling voids with mortar) as mentioned above shall be considered incidental to the various contract items in the proposal.
- 13- This project entails replacement of existing culverts with new reinforced concrete pipe culverts, reconstruction of existing concrete drop intakes, and the construction of concrete box inlet, concrete headwall, concrete rubble masonry erosion walls and drainage aprons.



CONSTRUCTION NOTES OF EXISTING C.D.I. AT STA. 60+00 (48' 9/8 RT) AND AT STA. 69+25 (C.D.I. ON STA. 60+00 C.D.I. 48' 9/8 RT.)

Remove top portion and reconstruct existing C.D.I. and construct paved apron. For Details, see Sheet 4 & 5	
Est. Quant.	
Roadway Exc.	= 12 C.Y.
Struct. Exc.	= 4 C.Y.
Aqq. Base Course	= 10 C.Y.
A.C. Pavt. Mix V	= 6 Tons.
Class A Conc.	= 1.4 C.Y.
Reinf. Steel	= 140 Lbs.
Steel Frame & Grate	= 2 Ea.

Remove top portion and reconstruct existing C.D.I.'s and construct paved apron. For Details, see Sheet 4 & 5	
Est. Quant.	
Roadway Exc.	= 6 C.Y.
Struct. Exc.	= 2 C.Y.
Aqq. Base Course	= 5 C.Y.
A.C. Pavt. Mix V	= 3 Tons.
Class A Conc.	= 1 C.Y.
Reinf. Steel	= 125 Lbs.
Steel Frame & Grate	= 1 Ea.

Construct Paved Apron

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
DRAINAGE IMPROVEMENTS
ON AHUKINI ROAD
PROJ. No. 570A-01-82
SECTION & GENERAL NOTES

Scale: As Shown
SHEET NO. 1 OF 1 SHEETS