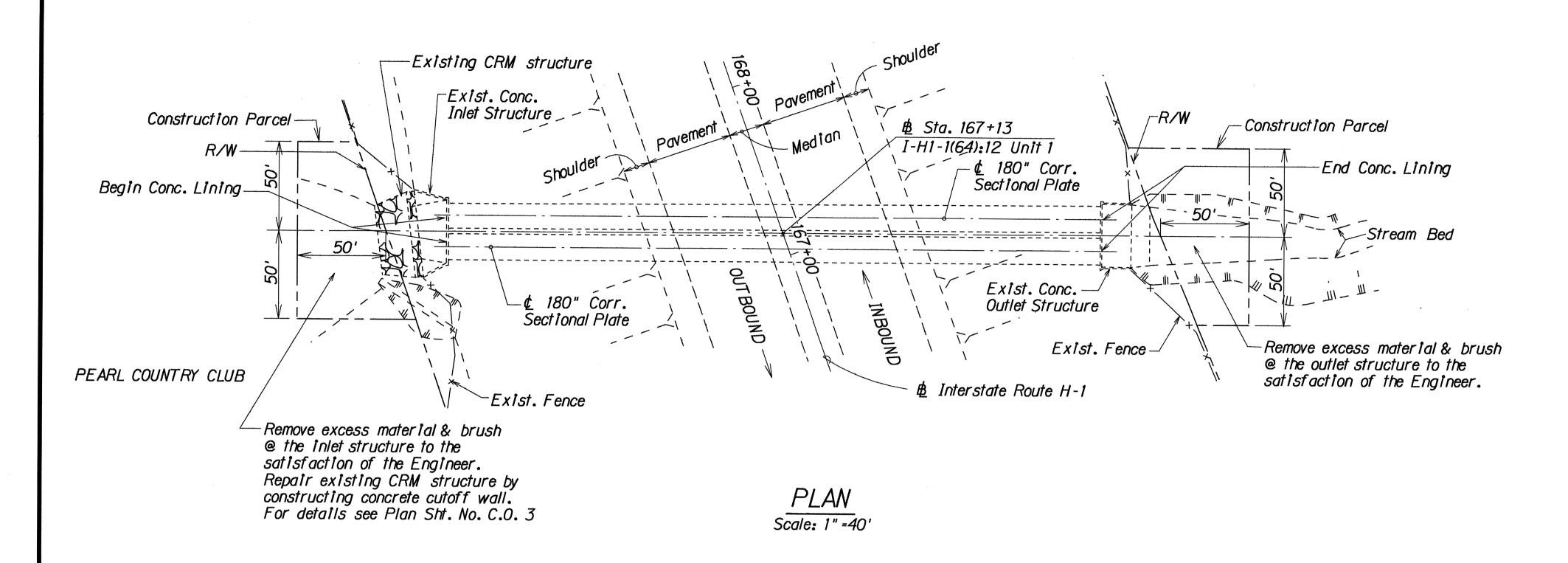
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR		TOTAL SHEETS
HAWAII	HAW.	H1E-01-90M	1990	C.O.2	3



-4" Class "A" Conc. Lining

- Fill void with class "A" concrete

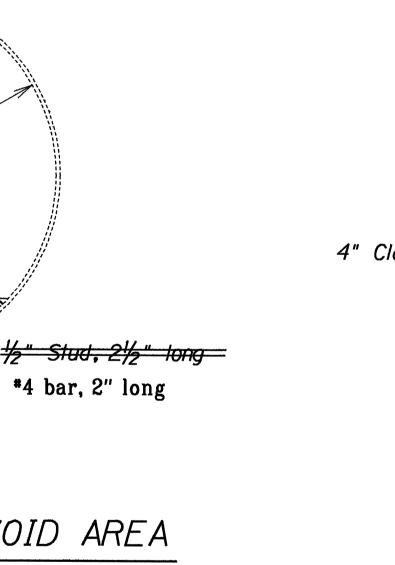
with 6x6 - D2.9 x D2.9 WWF

W2.9 x W2.9 WWF

4. The Contractor shall weld a 2" long *4 rebar to the corrugation of the pipe with a *2 bar tack welded longitudinally to the studs. The welded wire fabric shall then be securely tied to the *2 bar such that the fabric is held in place during pouring of the concrete. This work shall be performed as shown on the plans and as directed by the engineer.

GENERAL NOTES:

- 1. The Contractor shall maintain existing drainage conditions until construction is completed.
- 2. The preparation of the culvert by removing all debris, dirt, rocks and other unsuitable materials will not be measured or paid for separately, but shall be considered incidental to clearing and grubbing.
- 3. The Contractor shall fill all void areas with concrete to the satisfaction of the engineer before placing the concrete lining, and will not be measured or paid for separately but shall be considered incidental to the concrete lining.
- 4. The Contractor shall weld the welded wire fabric to the corrugation of the pipe. This tack welding shall be performed as shown on the plans and as directed by the engineer to hold the welded wire fabric in place during pouring of the concrete.
- 5. The concrete shall be scored 3/4" deep longitudinally 18" o.c. to control cracking.
- 6. Not less than 4 hours after finishing, an asphalt emulsion shall be mopped on the edges of concrete next to the metal structure to extend not less than 4" on each side of junction.
- 7. Asphalt and epoxy will not be measured or paid for separately, but shall be considered incidental to the concrete lining.
- 8. The Contractor will be permitted to remove sections of the existing chain link fence to get access to the existing drainage structure. After completion of his work, he shall restore/replace the existing ground and the chain link fence to its original state and to the satisfaction of the Engineer. This work will not be measured and paid for separately, but shall be considered incidental to the various contract items.
- 9. After each day's work the Contractor shall replace the chain link fence or provide other protective measures to the satisfaction of the Engineer, to assure public safety. This work will not be measured for payment but shall be considered incidental to other contract items.
- 10. Prospective bidders are strongly urged to inspect the project site.
- 11. Damaged CRM cut-off wall shall be determined by the Engineer.

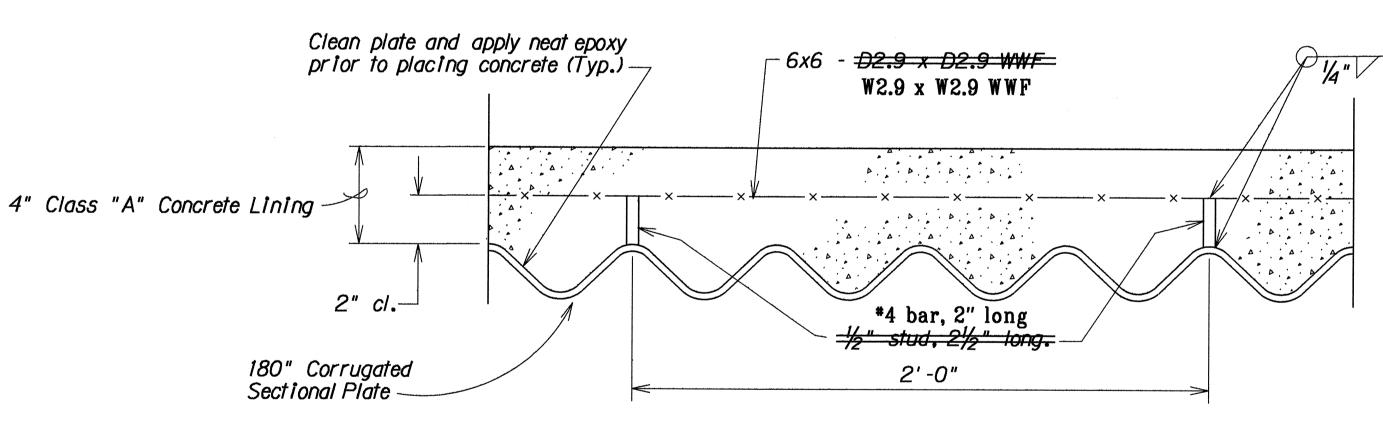


SECTION IN VOID AREA

SECTION IN NON-VOID AREA

TYPICAL DETAILS OF CULVERT

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



SECTION A
Scale: 3" = 1' -0" 1H 1H

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

100.00
Double line for as-built deletion

Roadway
Text for as-built posting

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

INTERSTATE ROUTE H-1
Repair of 180-Inch
Structural Plate Culvert
Vicinity of Pearl Country Club
PROJ. NO. H1E-01-90M
Scale: As Shown Date: Dec., 21,1989

DATE

REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSTATE ROUTE H-1
Repair of 180-Inch
Structural Plate Culvert
Vicinity of Pearl Country Club
PROJ. NO. H1E-01-90M
Scale: As Shown Date: Dec., 21,1989

"AS-BUILT"

 $C \cap C$

