

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360A-02-95M	1995	5	9

Sta. 137+86 o/s 19' Lt.
Construct: Outlet Headwall
(For details see Sht. Nos. H4 & H5)
Estimated Quantities
Ditch and Channel Exc. = 6 C.Y.
Class "A" Conc. = 42 C.Y.
Reinf. Steel = 1,301 Lbs.

Sta. 137+86 o/s 19' Lt.
Outlet Headwall
Inv.=87.6

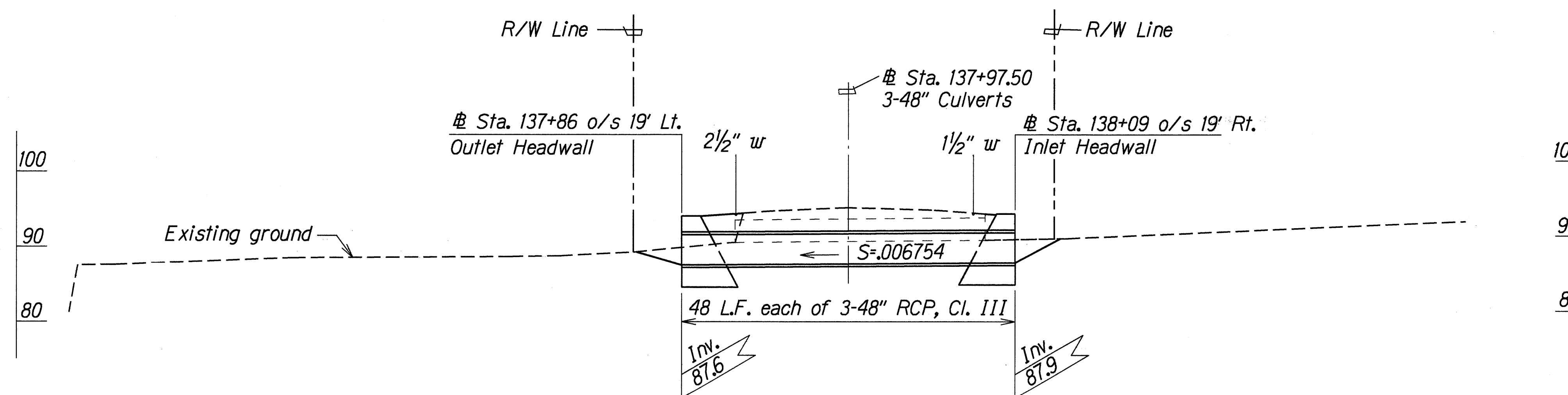
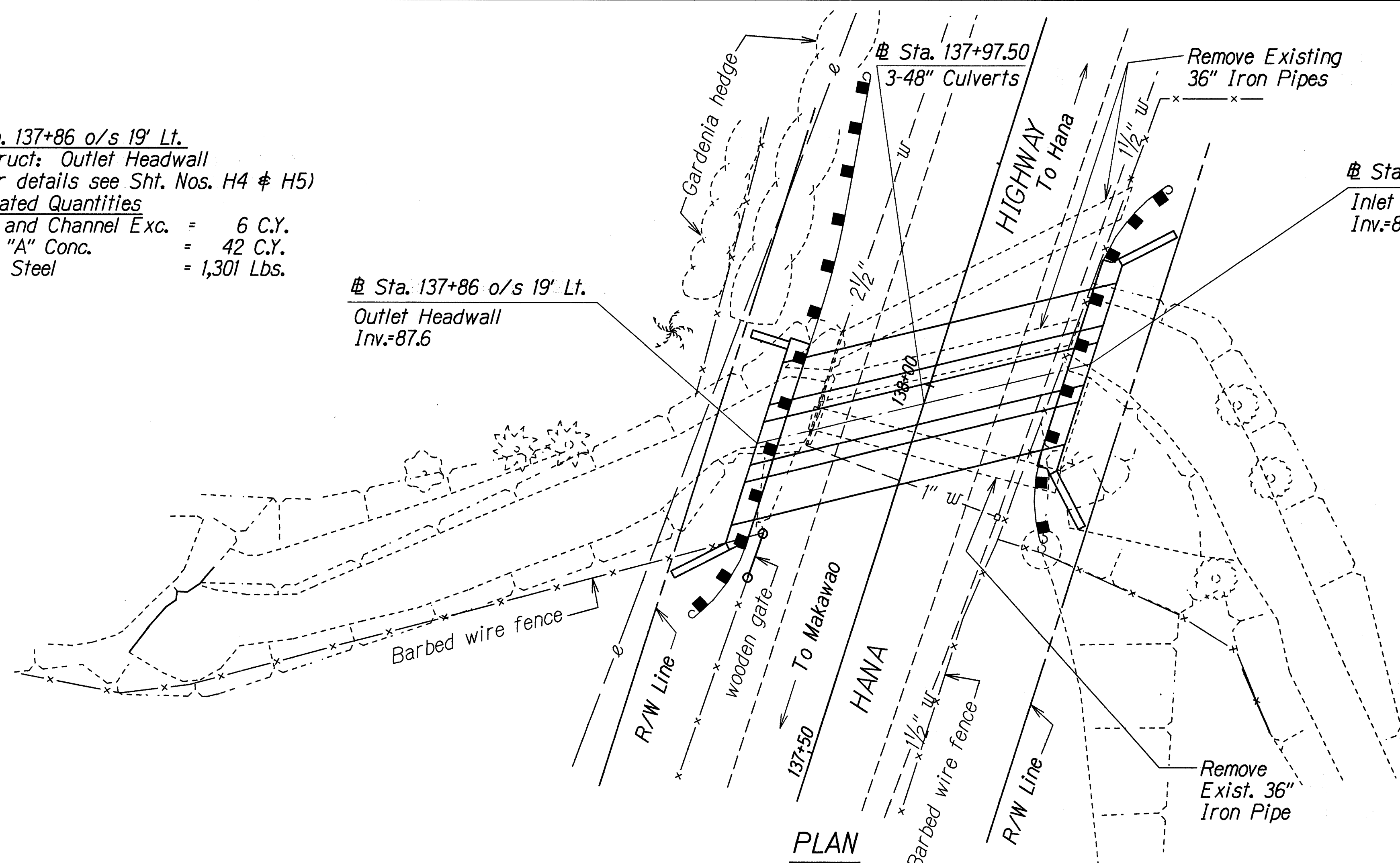
Sta. 137+97.50
3-48" Culverts

Remove Existing
36" Iron Pipes

Sta. 138+09 o/s 19' Rt.
Inlet Headwall
Inv.=87.9

TRUE NORTH

Sta. 138+09 o/s 19' Rt.
Construct: Inlet Headwall
(For details see Sht. Nos. H2, H3 & H5)
Estimated Quantities
Structure Exc. = 272 C.Y.
Structure Backfill = 123 C.Y.
Ditch and Channel Exc. = 10 C.Y.
Plant Mix Asphalt
Concrete Base Course = 12 Tons
Asphalt Concrete Pavement
Mix No. V = 6 Tons
Class "A" Conc. = 43 C.Y.
Reinf. Steel = 1,443 Lbs.
48" RCP, Cl. III = 144 L.F.



DETAILS OF 3-48" CULVERTS AT # STA. 137+97.50

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
PLAN	DRAWN BY L. Ockert, A. Naniwa	1/95
NOTE BOOK	TRACED BY	
012/01/01/01	DESIGNED BY	
012/01/01/01	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

HANA HIGHWAY
Hanawana Stream Culvert Replacement
Proj. No. 360A-02-95M

Scale: 1"=10' Date: Aug, 1994

SHEET No. H1 OF 5 SHEETS