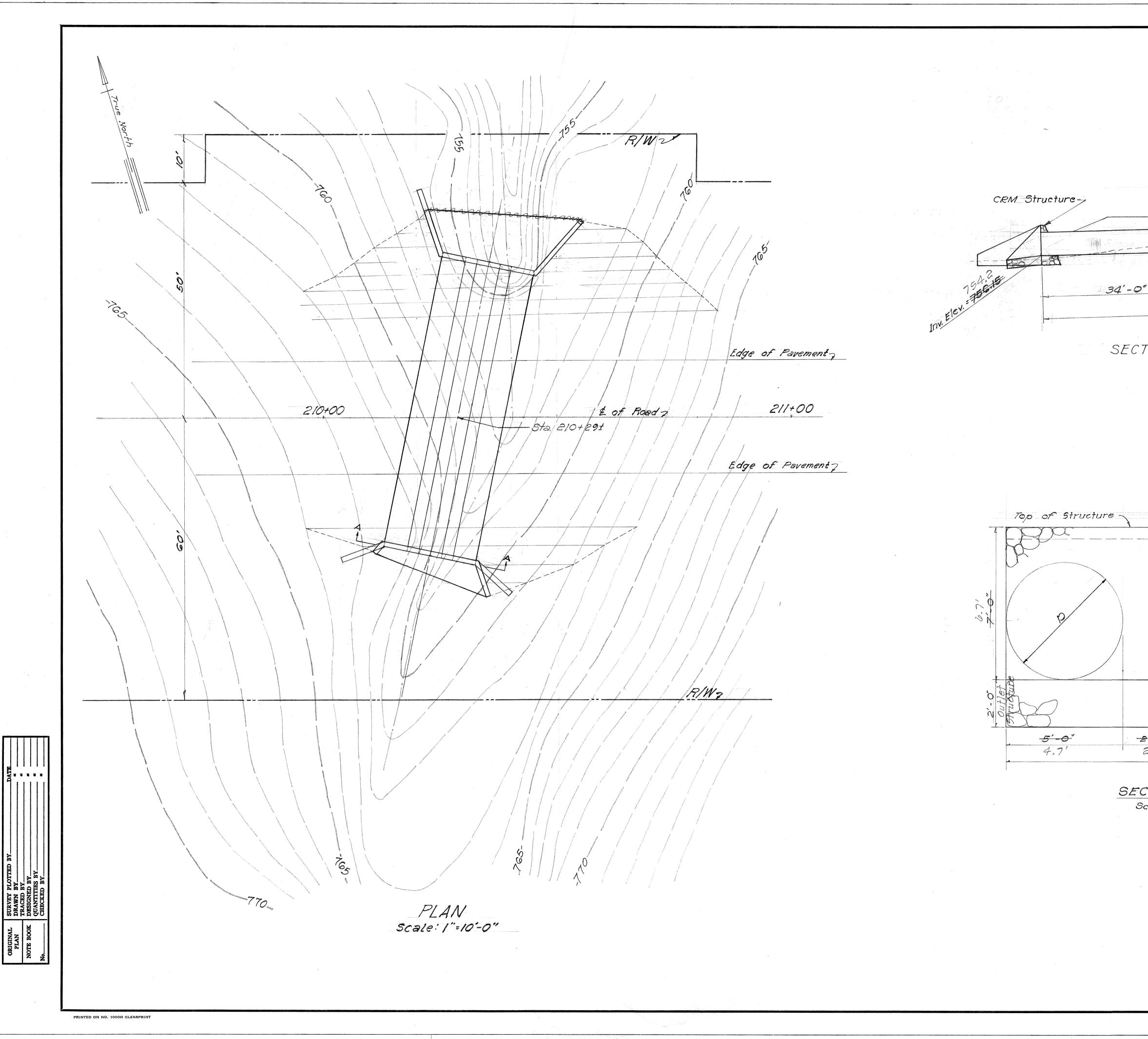




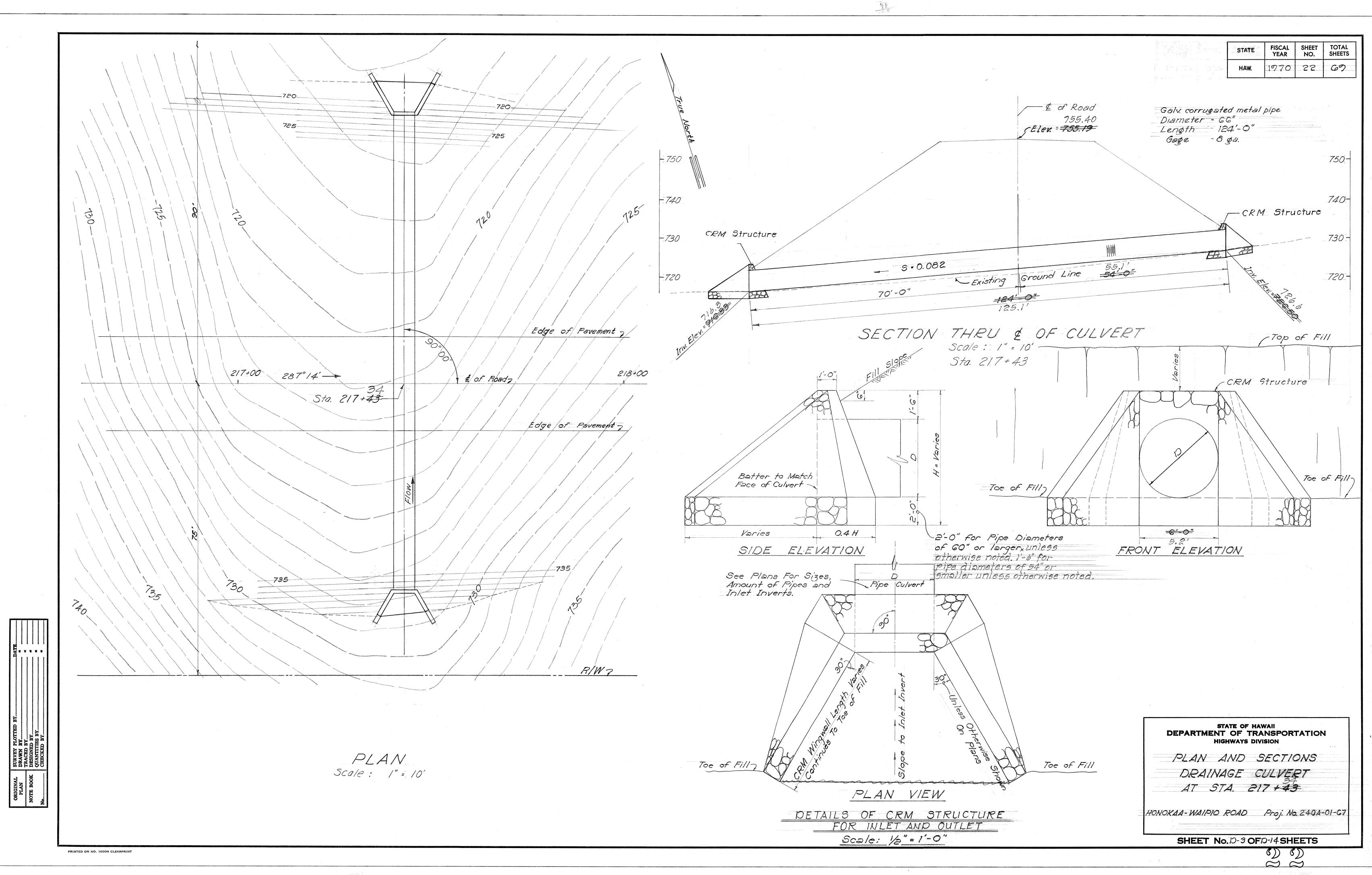
ORIGINAL PLAN

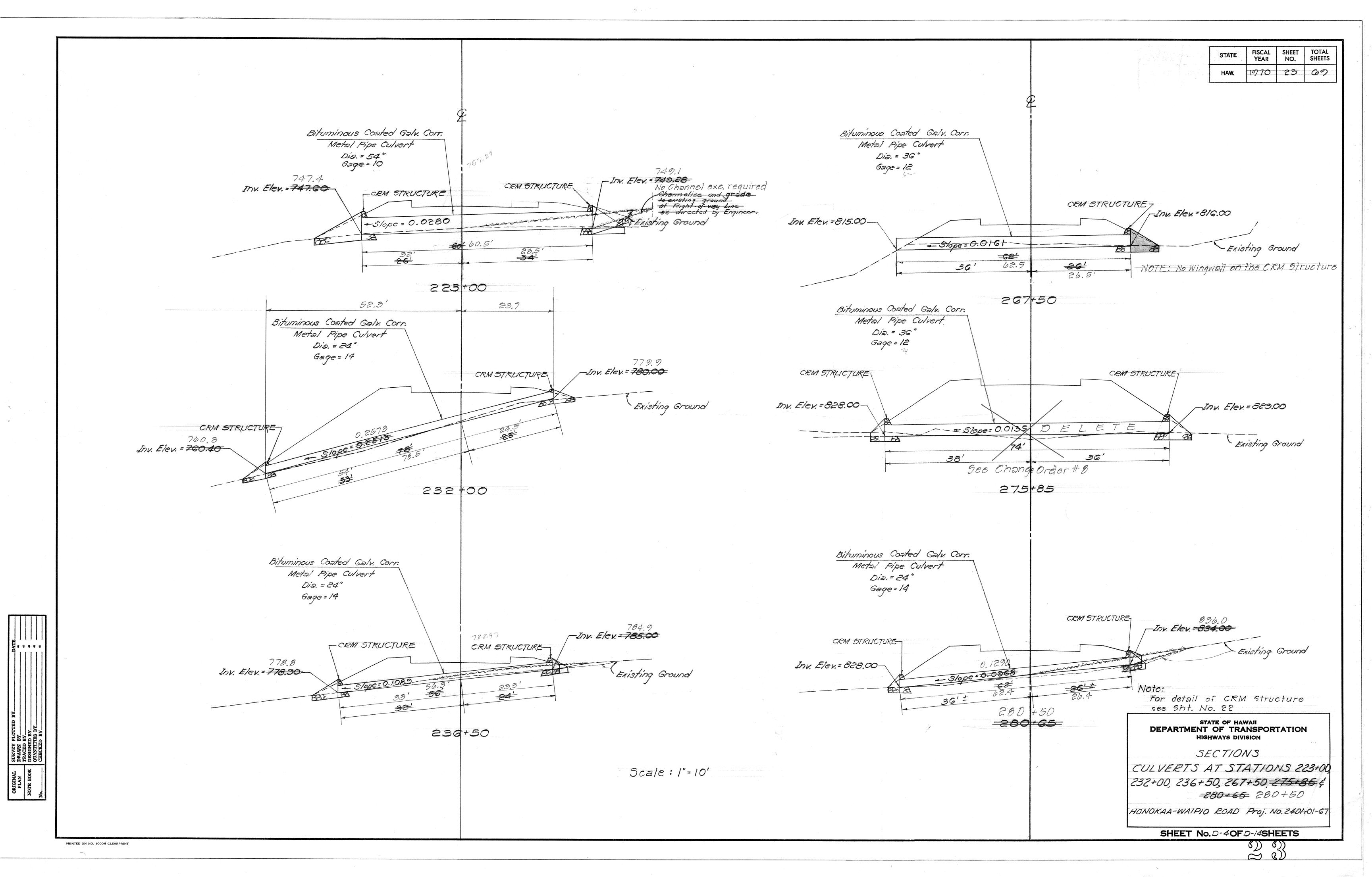
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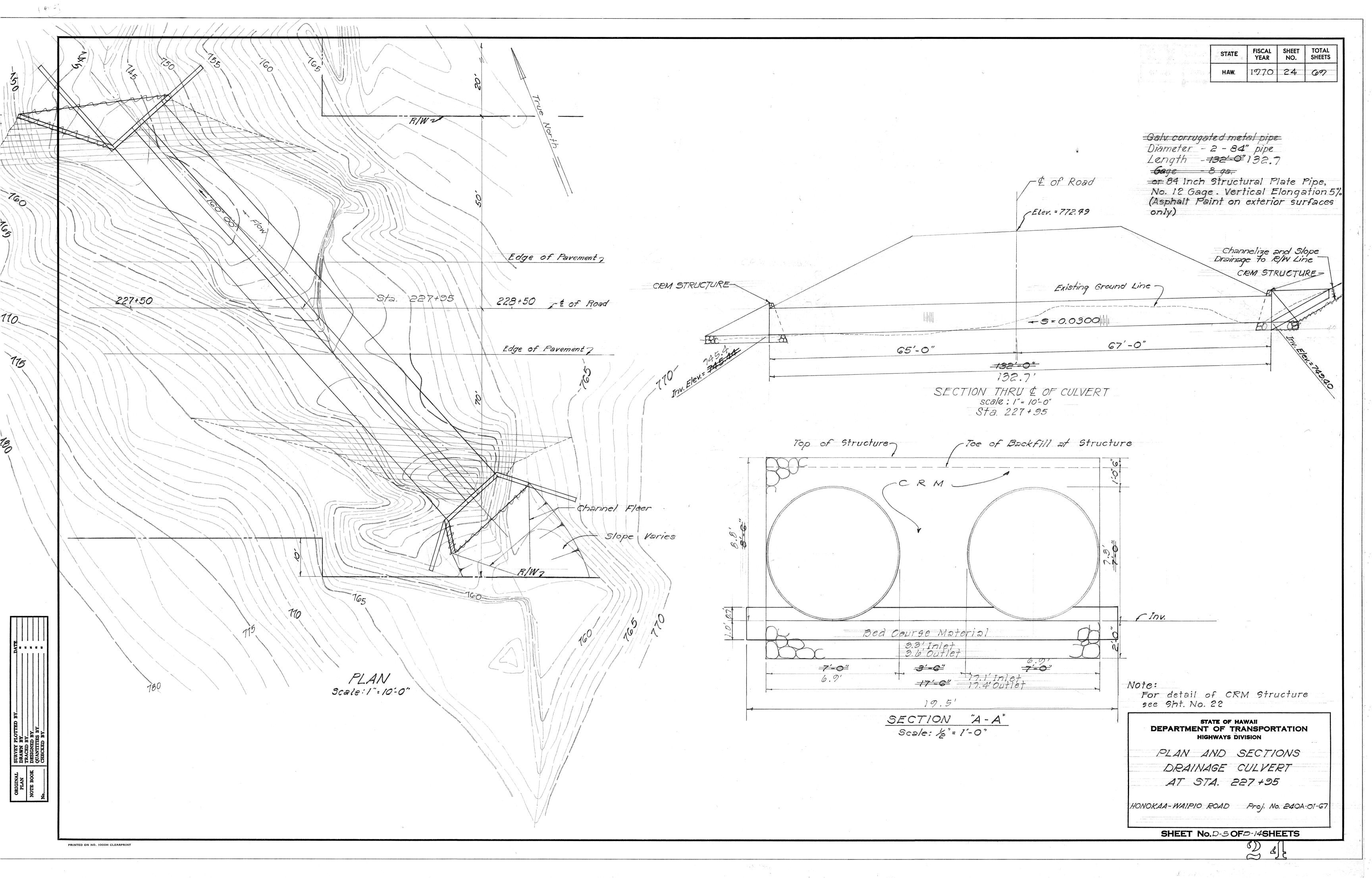


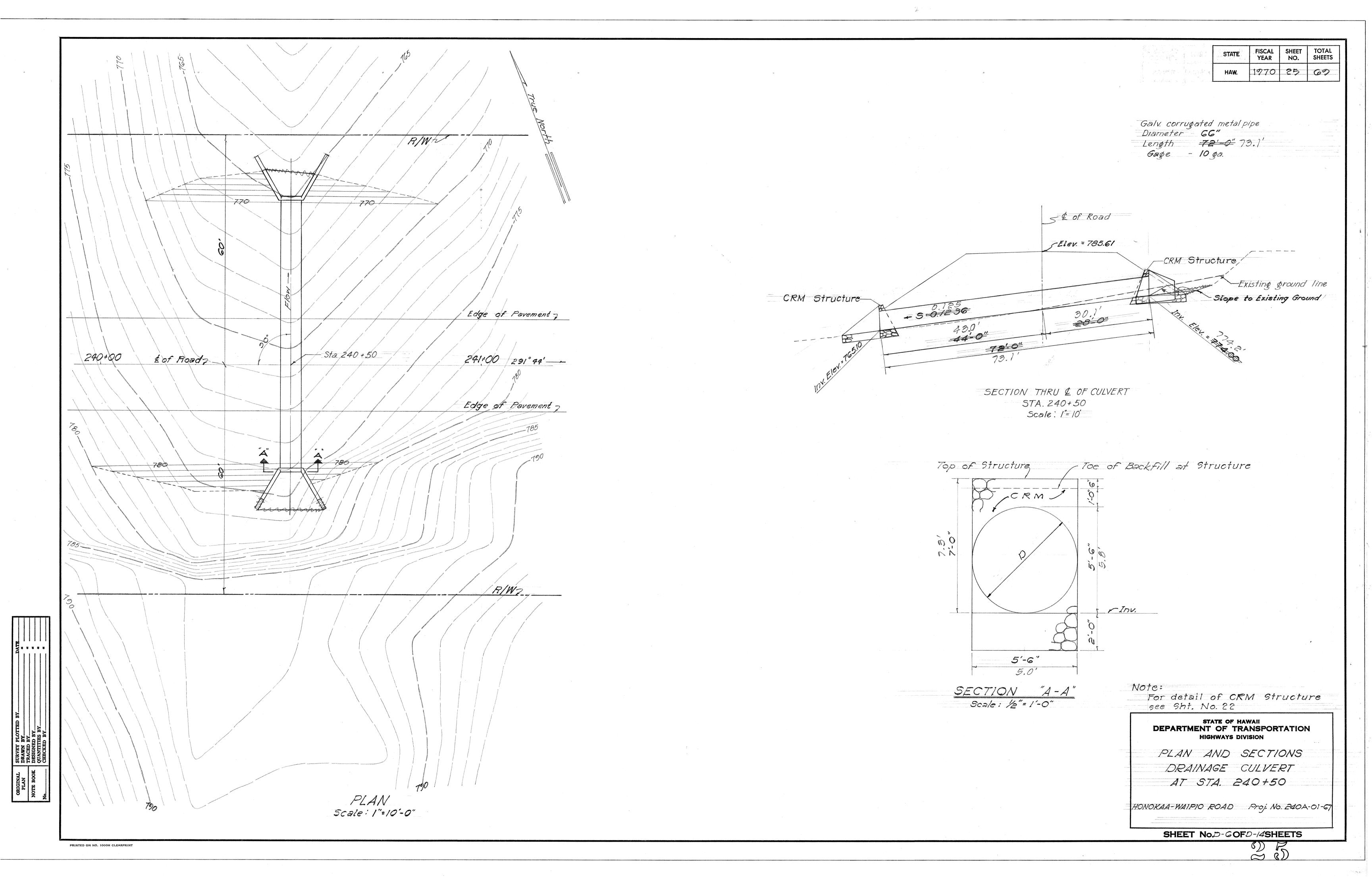
FISCAL SHEET TOTAL YEAR NO. SHEETS STATE 1970 21 62 HAW. Galv. corrugated metal pipe Diameter - 3 - 60" Length - 64'-0" 64.6', 64.7' and 64.4' Gage - 10 ga. - E of Road CRM Structure Elev. = 269.77 Existing ground line Marti 30.7 -30-0" 11 Hospice -64'-0" 64.7 SECTION THRU & OF CULVERT Scale: 1" = 10'-0" Sta. 210+29± Floe of backfill @ Structure CRMand a constants FINV. 4.9 2.5' -5'-0" 2-6" 4.7' 2.5' -20'-0" 19.2' SECTION "A-A" Scale: 1/2" = 1-0" Note: For detail of CRM Structure see Sht. No. 22 STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLAN AND SECTIONS DRAINAGE CULVERT AT STA. 210+291 HONOKAA-WAIPIO ROAD Proj. No. 240A-01-67 SHEET No.10-2 OF 10-14 SHEETS

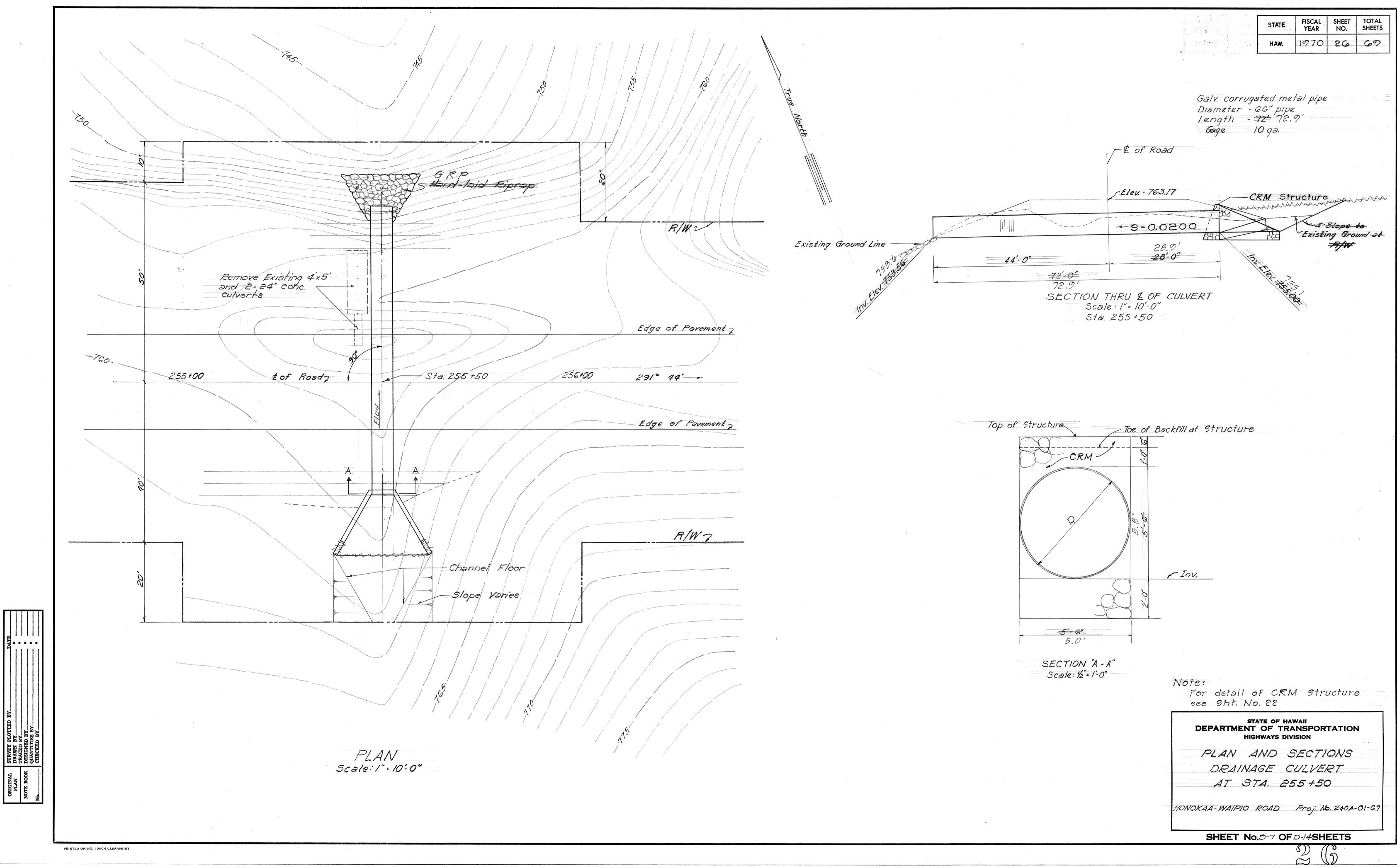
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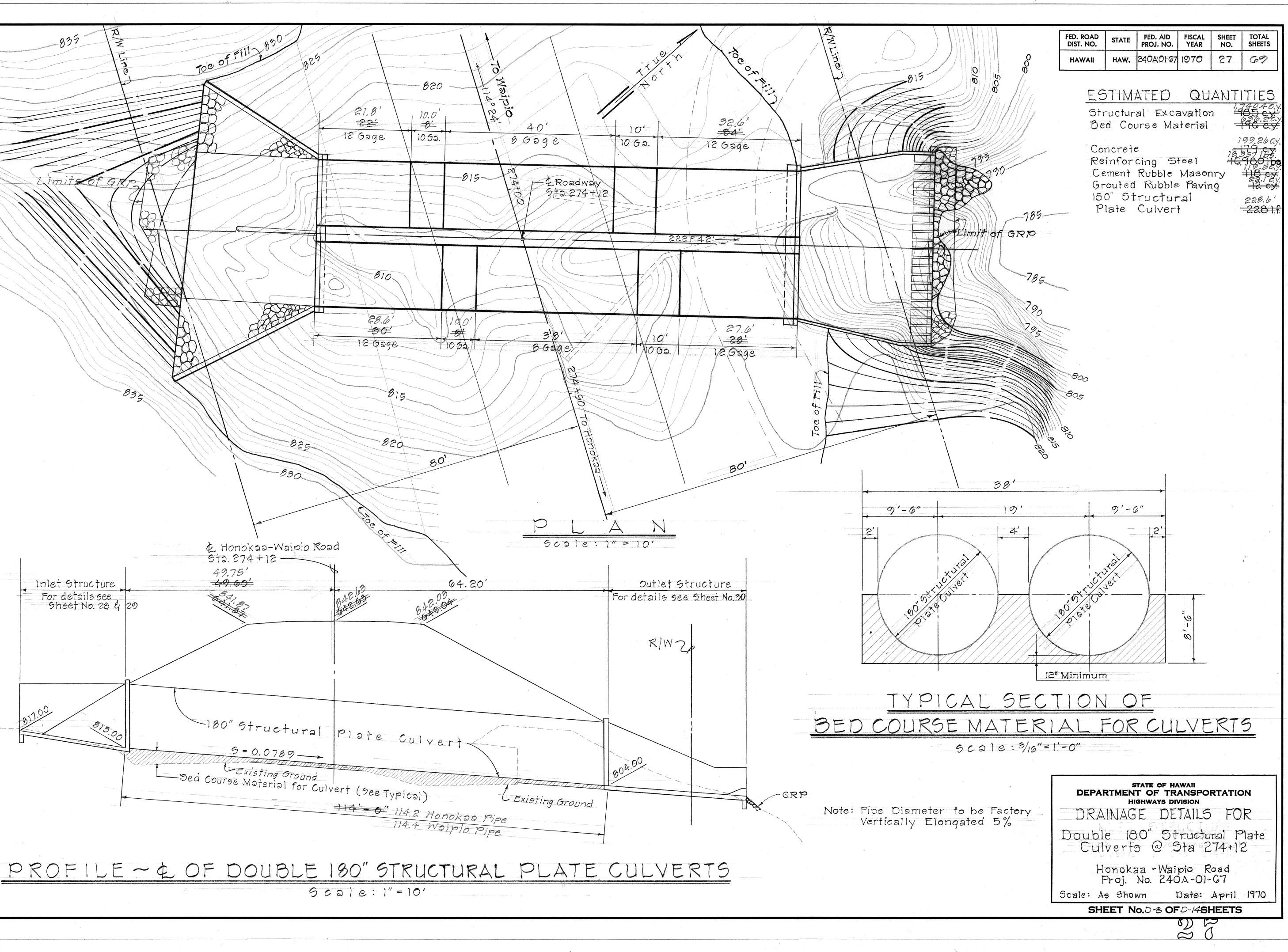


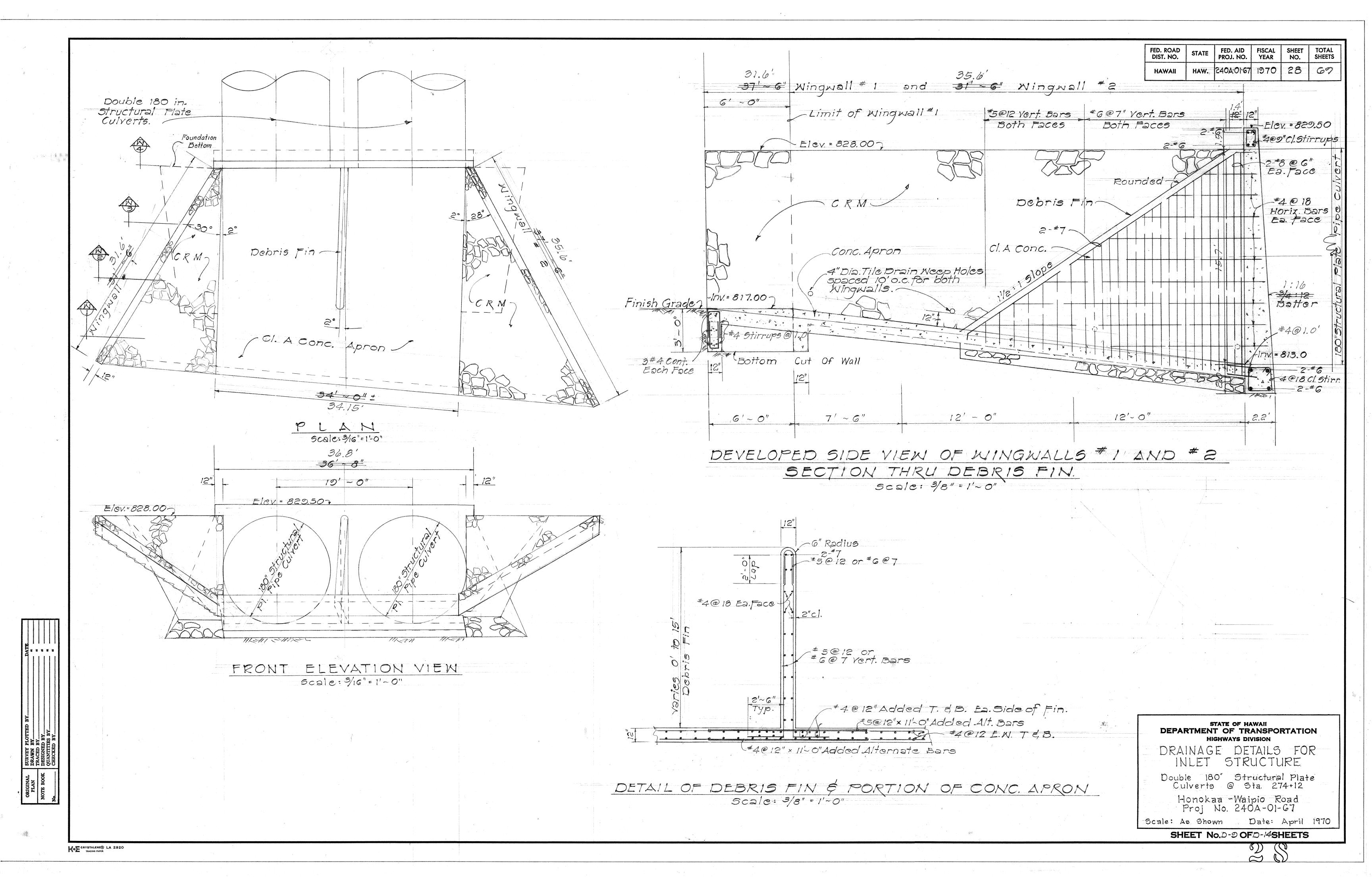


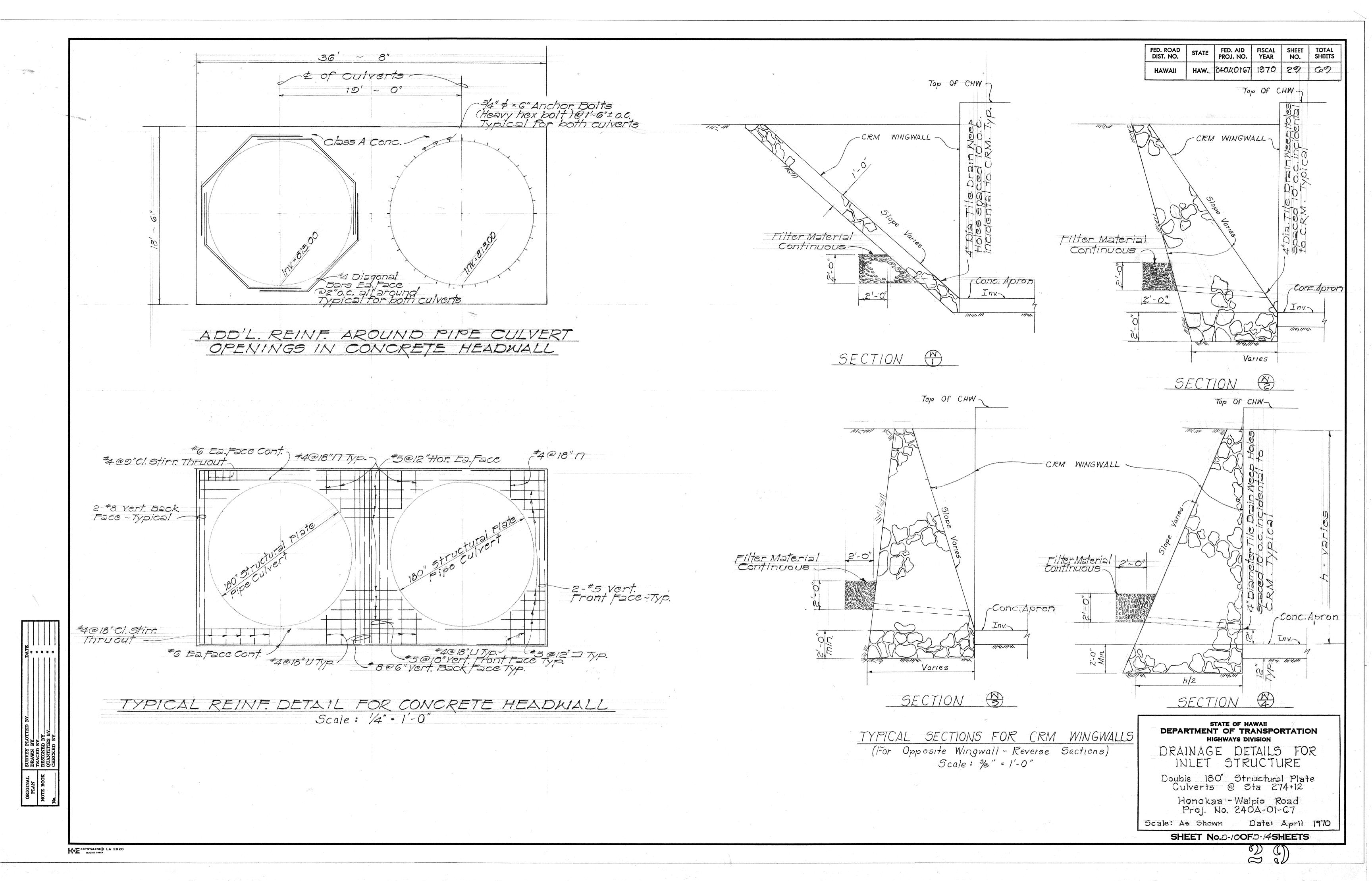


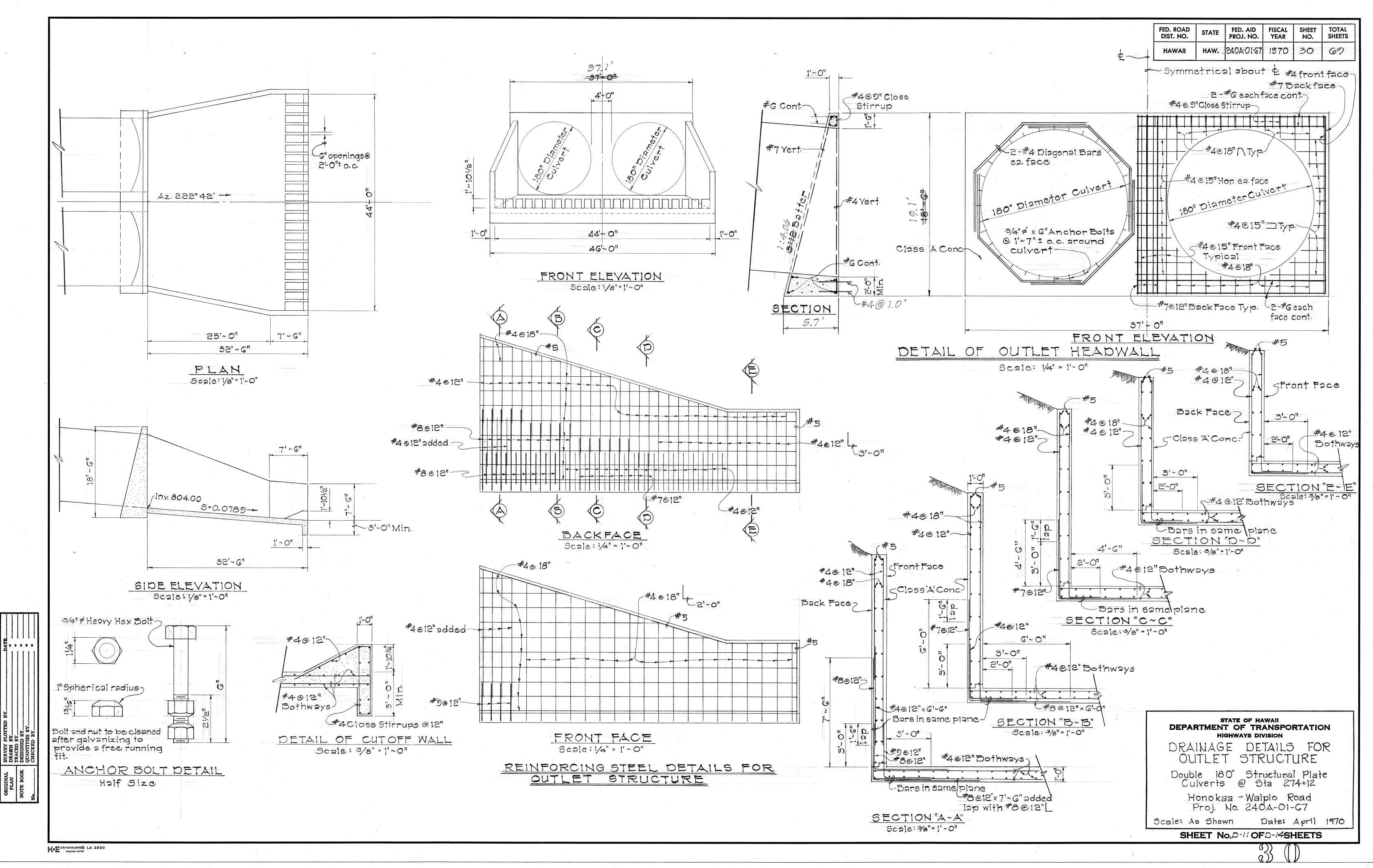


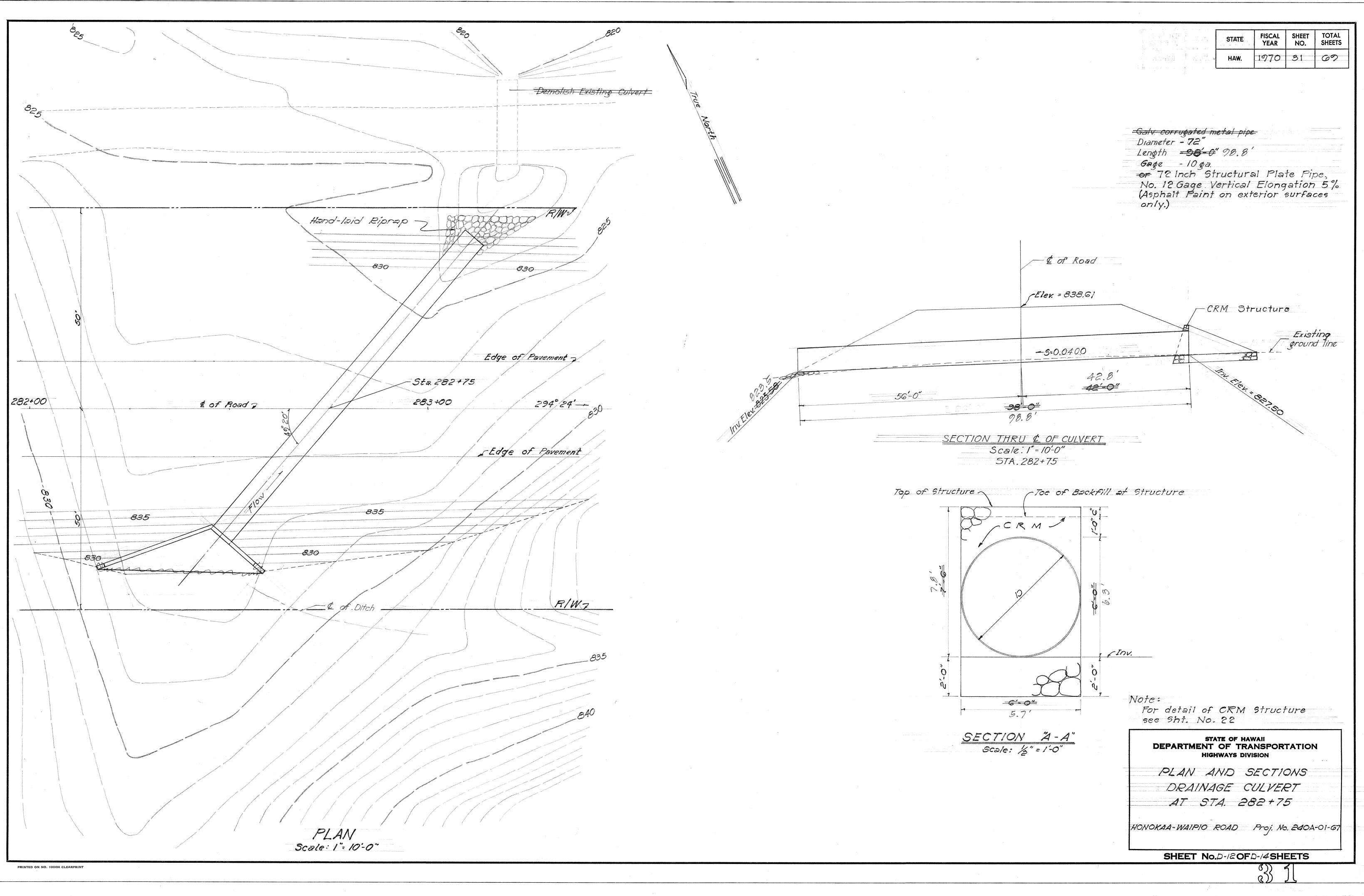
Toc of Fl. 2998 imit of GRP 835 825--830 & Honokaa-Waipio Road Sta. 274 + 12 R/W26 49.75' Inlet Structure BEAL BY For details see Sheet No. 28 & 29 - 840 - 830 -12.00 -820 813.0011 5=0.0789-----810 -Bed Course Material for Culvert (See Typical) SURVEY PLOTTEI DRAWN BY_____ TRACED BY_____ DESIGNED BY_____ OUANTITIES BY_____ -800 RIGINAL PLAN TE BOOK KAE CRYSTALENE® LA 2920





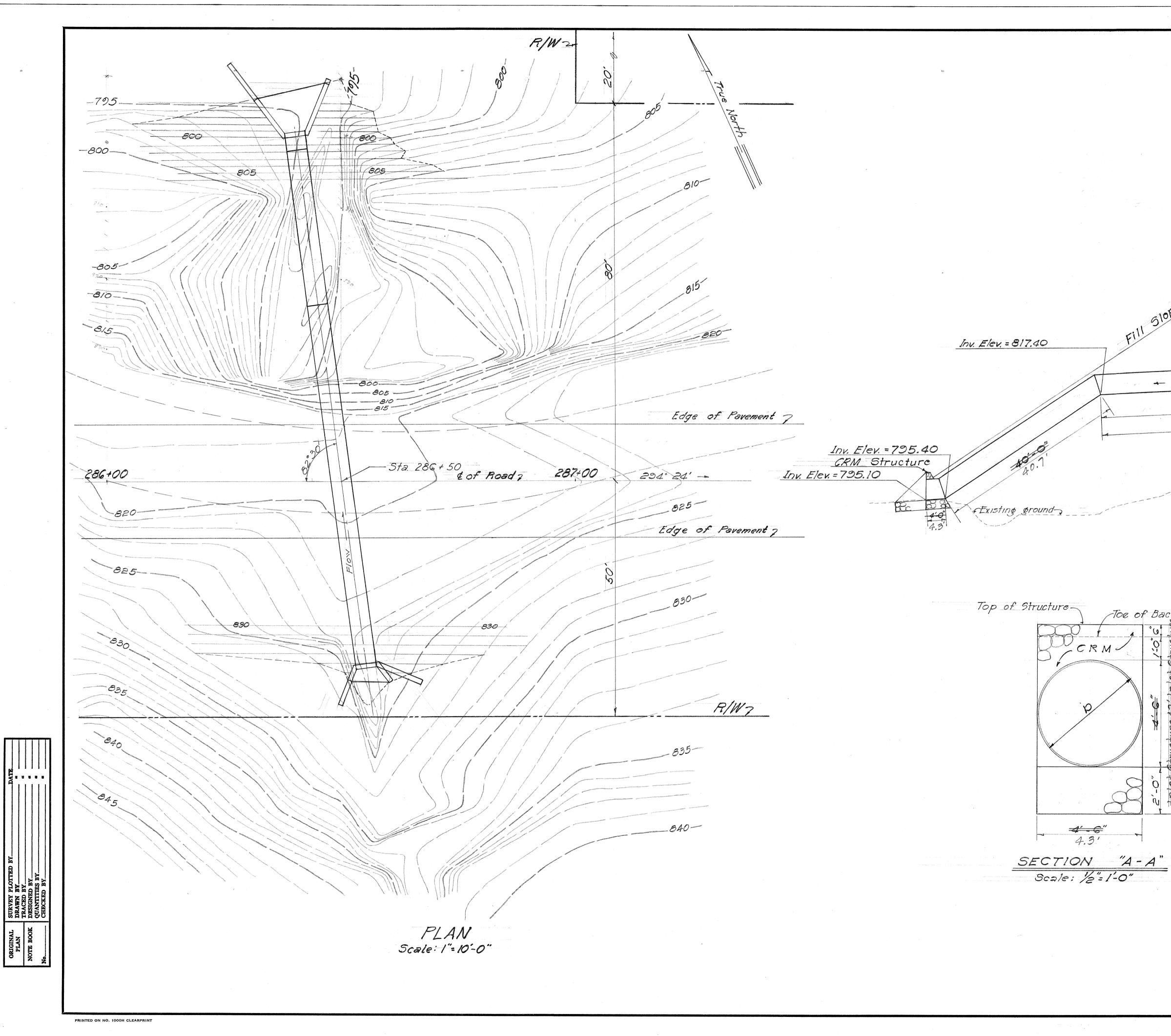




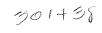


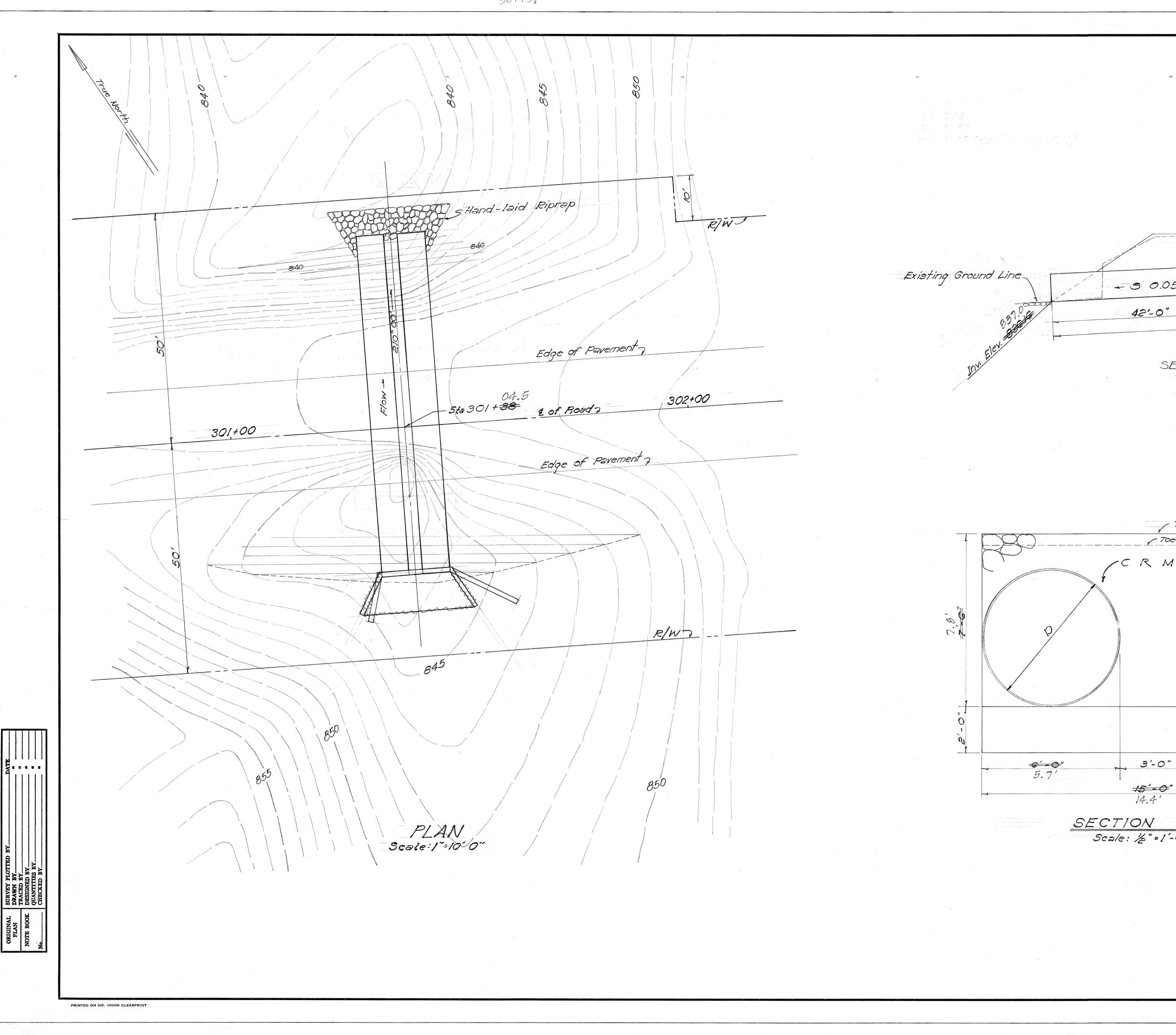
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ORIGINAL SURVEY PLOTTED I PLAN DRAWN BY TRACED BY NOTE BOOK DESIGNED BY QUANTITIES BY



TOTAL SHEETS FISCAL YEAR SHEET NO. STATE 1970 32 69 HAW. Galv. corrugated metal pipe Diameter - -54" pipe Length -122" 122.9' Gage - 12 ga. ______ of Road r Elev. = 835.95 Stope -CRM Structure FrienExisting ground + 5=0.0500 39.9' 40'-0 104. Elex. " Bel: 30 38'-0" -78-0" 77.9' SECTION THRU & OF CULVERT Scale - 1"=10' Sta. 286 + 50 Toe of Backfill at Structure TINV. Note: For detail of CRM Structure see Sht. No. 22 STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLAN AND SECTIONS DRAINAGE CULVERT AT STA. 286+50 HONOKAA-WAIPIO ROAD Proj. No. 240A-01-67 SHEET No.D-130FD-14SHEETS





FISCAL SHEET YEAR NO. TOTAL SHEETS STATE 1970 33 69 HAW. Galv. corrugated metal pipe Diameter = 2 - 72" pipe Length = 74'0" 74.7 and 74.8 Gage - 10 ga. or 72 Inch Structural Plate Pipe, No. 12 Se of Road Gage. Vertical Elongation 5%. (Asphalt Paint on exterior surfaces only.) -Elev. = 851.23 -CRM Structure - 5 0.0520 32.7 Waipio Pipe Stope to Existing Ground R 32-0" 42'-0" F. H.C.L. S. R.O. 9 74.0 Honokaa Pipe SECTION THRU & OF CULVERT Scale : 1" = 10-0" Sta. 301+38 301+04.5 Top of Structure Toe of Embankment @ Structure CRM / PINV. 6'-0' 5.7' 3'-0" 15'-0" 14.4' Note: <u>"A"-"A"</u> For detail of CRM Structure see Sht. No. 22 Scale: "/2" = 1'-0" STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLAN AND SECTIONS DRAINAGE CULVERT AT STA. 301138 301+04.5 HONOKAA-WAIPIO ROAD Proj. No. 240A-01-67 SHEET No.D-14OFD-14SHEETS () () (၂) (၂)