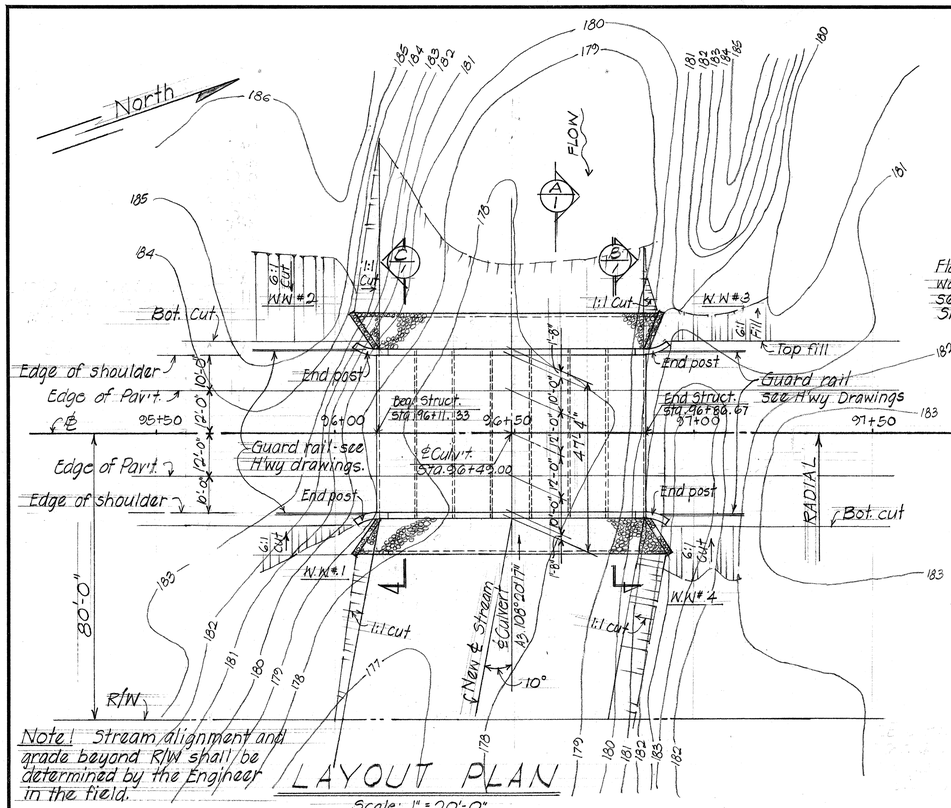
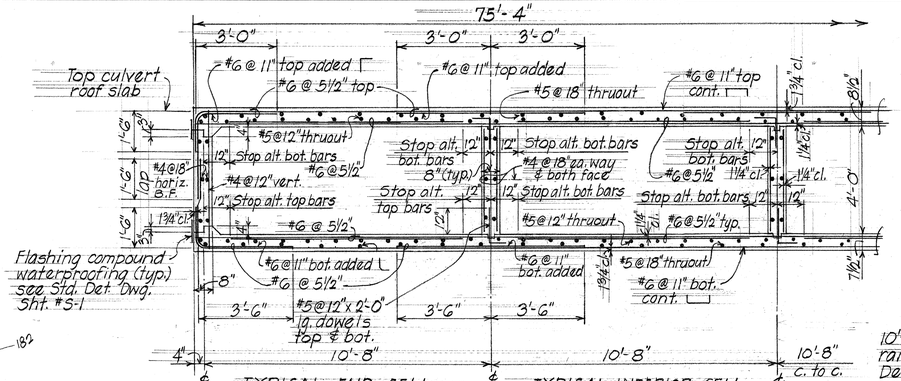
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0380(6)	1969	49	89



Note! Stream alignment and grade beyond R/W shall be determined by the Engineer in the field.

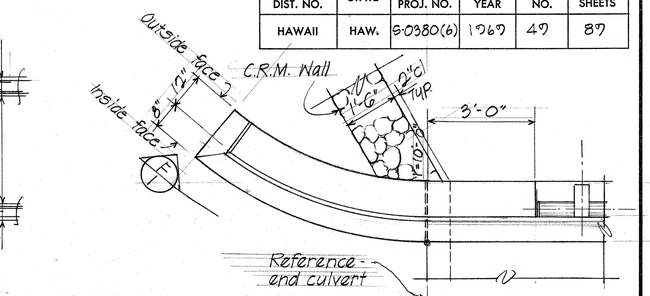
LAYOUT PLAN

Scale: 1" = 20'-0"



TYPICAL BOX CULVERT SECTION

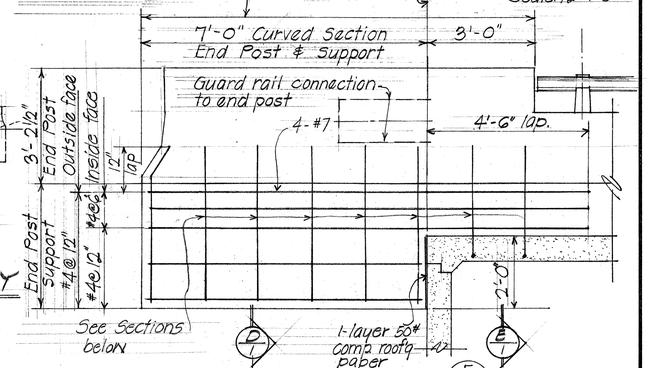
Scale: 3/8" = 1'-0"



PLAN - TYP. END POST

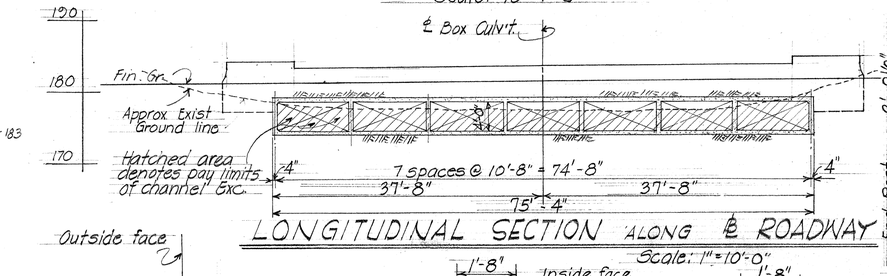
Scale: 1/2" = 1'-0"

10'-0" end post & guard rail connection - see Std. Det. Sht. #5-5



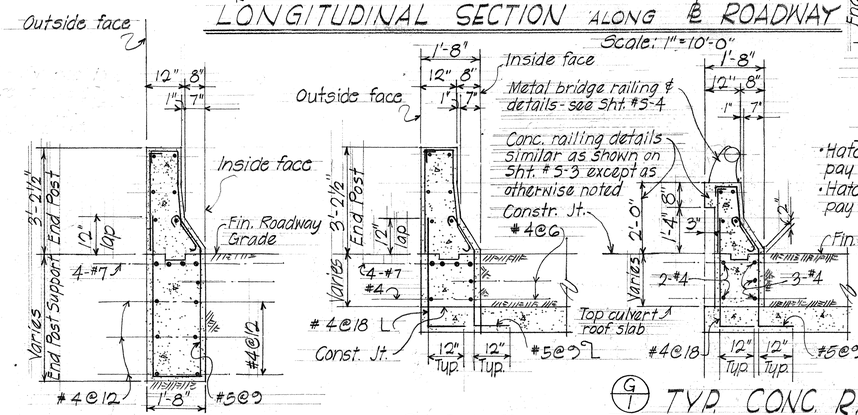
ELEVATION

Scale: 1/2" = 1'-0"



LONGITUDINAL SECTION ALONG ℄ ROADWAY

Scale: 1" = 10'-0"



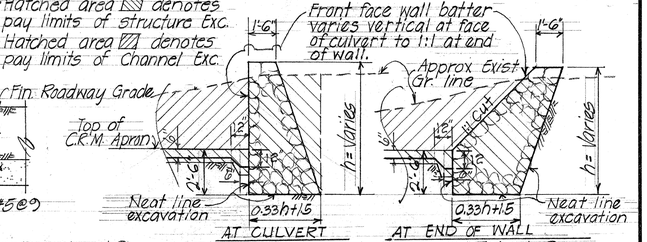
SECT. D/1 SECT. E/1

TYPICAL END POST DETAILS

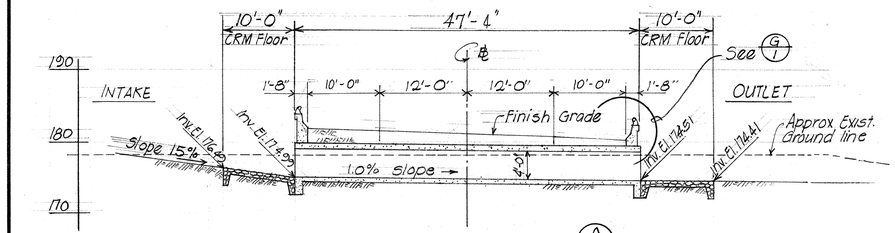
Scale: 1/2" = 1'-0"

G/1 TYP. CONC. RAILING SECTION

Note!
- Hatched area denotes pay limits of structure Exc.
- Hatched area denotes pay limits of Channel Exc.

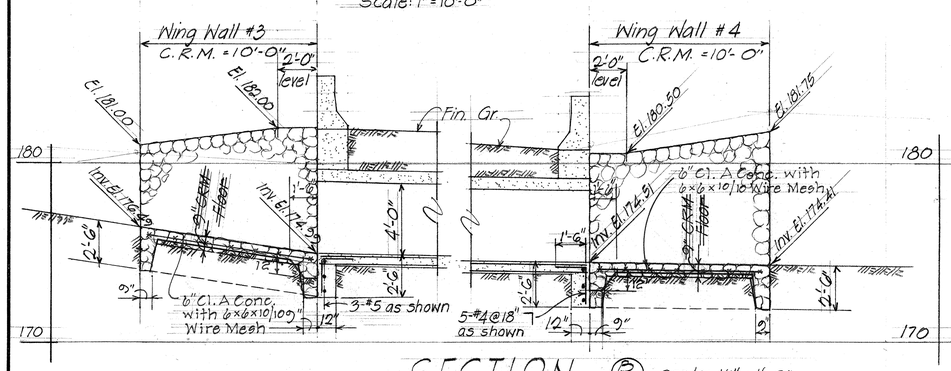


TYP. C.R.M. WALL DETAILS

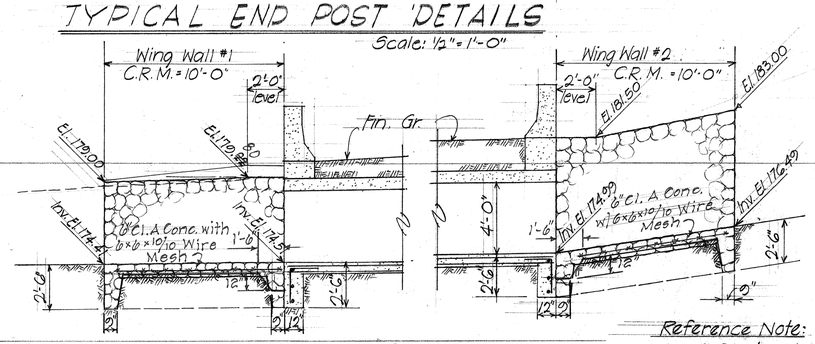


TYPICAL SECTION A/1

Scale: 1" = 10'-0"



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



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

Reference Note:
Refer to Waihee Stream Br. Sht. #1 for applicable General Notes.

ESTIMATED QUANTITIES			
Concrete	(Lump Sum)	250.0	cu. yd
Reinforcing Steel	(Lump Sum)	61,700	lbs.
Channel Exc.		4,295.0	cu. yd
Structural Exc.		220.0	cu. yd
C.R.M.		107.0	cu. yd
Conc. Bridge Railing & End Post		179.0	lin. ft
Metal Bridge Railing (Single Rail)		139.0	lin. ft

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SEVEN (7) CELL 10' x 4' BOX CULVERT

STA. 96 + 49.00

KAHULUI AIRPORT - MAALAEA H'WY.
Proj. No. S-0380(6) Nov. 1969

SHEET No. 1 OF 1 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
	TRACED BY	"
	DESIGNED BY	"
NOTE BOOK	QUANTITIES BY	"
No.	CHECKED BY	"

PRINTED ON NO. 1000H CLEARPRINT