

- NOTES:
- (1.) The locations and lengths of culverts shown on these plans are approximate only. The Resident Engineer shall determine the exact locations, invert elevations and grades for each culvert and adjust the quantities for the various items accordingly.
 - (2.) Transitions between various types of curbs and gutters shall be smooth and pleasing to the eye.
 - (3.) Centerline and C & C Standard Street Monuments shall be installed according to Rights-of-way Maps as staked by the Engineer.
 - (4.) Azimuths are referred to Kailua Triangulation Station.
 - (5.) Datum Elevation referred to Mean Sea Level.
 - (6.) Overhaul shall be incidental to each type of excavation.

CONCRETE RAILING SUMMARY

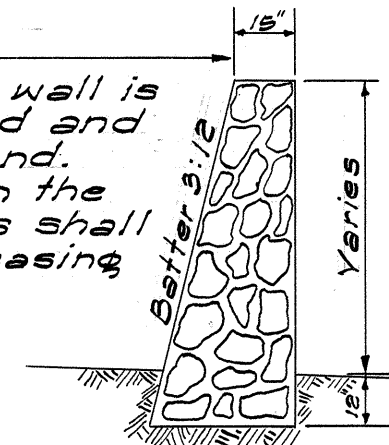
STA. TO STA. (LEFT)	No. of END POST	Approx. LENGTH
115+58 to 119+28	1	378 L.F.
123+39 to 124+20	0	87
132+50 to 133+06	0	58
Total		523 L.F.

NOTE:

1. See Typical Road Section for the heights of the Concrete Railing Slab.
2. Concrete Railing Slab to be paid as "Class A-1 Concrete other than Bridges."

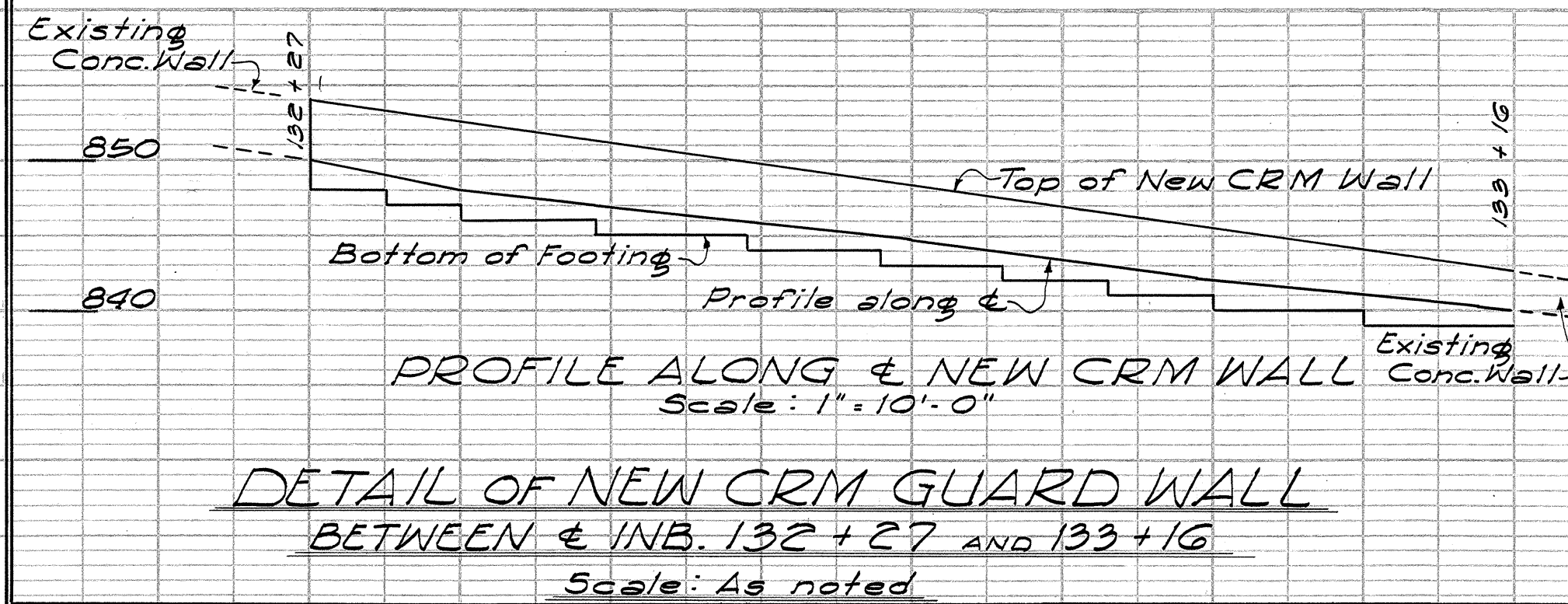
NOTES

1. Wall 40' Right of & Inbound.
2. Height of existing wall is 3'-11" at the left end and 2'-8" at the right end.
3. Transition between the old and new walls shall be smooth and pleasing to the eye.



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

Length of new C.R.M. wall is approximately 80 L.F.
Estimated quantity of C.R.M. 26 c.y.



SPIRAL DATA 9A

Dc = 18' 22' 30"
Cs = 18' 22' 30"
Ls = 200
Δ = 24' 45"
Ts = 202.22
Cs = 14.7
Ss = 0.10/ft

118+15 Install 12" S.S. and 24" E.S. R.C.C. Pipe, 1" Type 'C' C.B. 1" C.H.H.
EST. QUANT:
24" S.S. R.C.C. Pipe : 56 L.F. 40 L.F.
24" E.S. R.C.C. Pipe : 48 L.F.
Class A-1 Conc. : 64 c.y. 5.6 c.y.
Class B-1 Conc. : 1.4 c.y. 1.5 c.y.
Reinf. Steel : 137 lbs. 142 lbs.
Struc. Exc. : 98 c.y. 100.4 c.y.
Type 'B' C.I. Frame and Cover : 1 c.y.
Uncl. Exc. : 1 c.y.

PI 10A-1

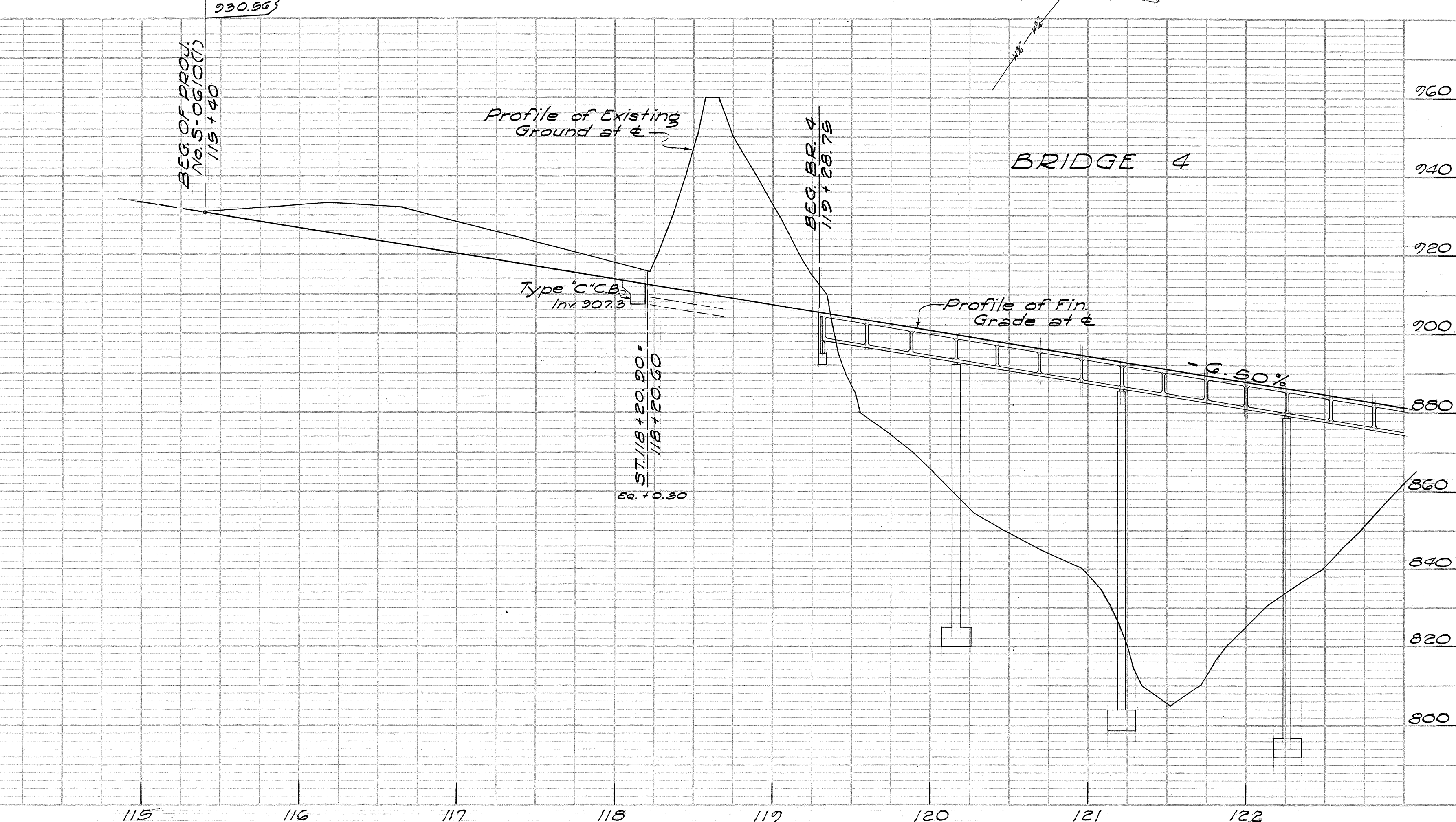
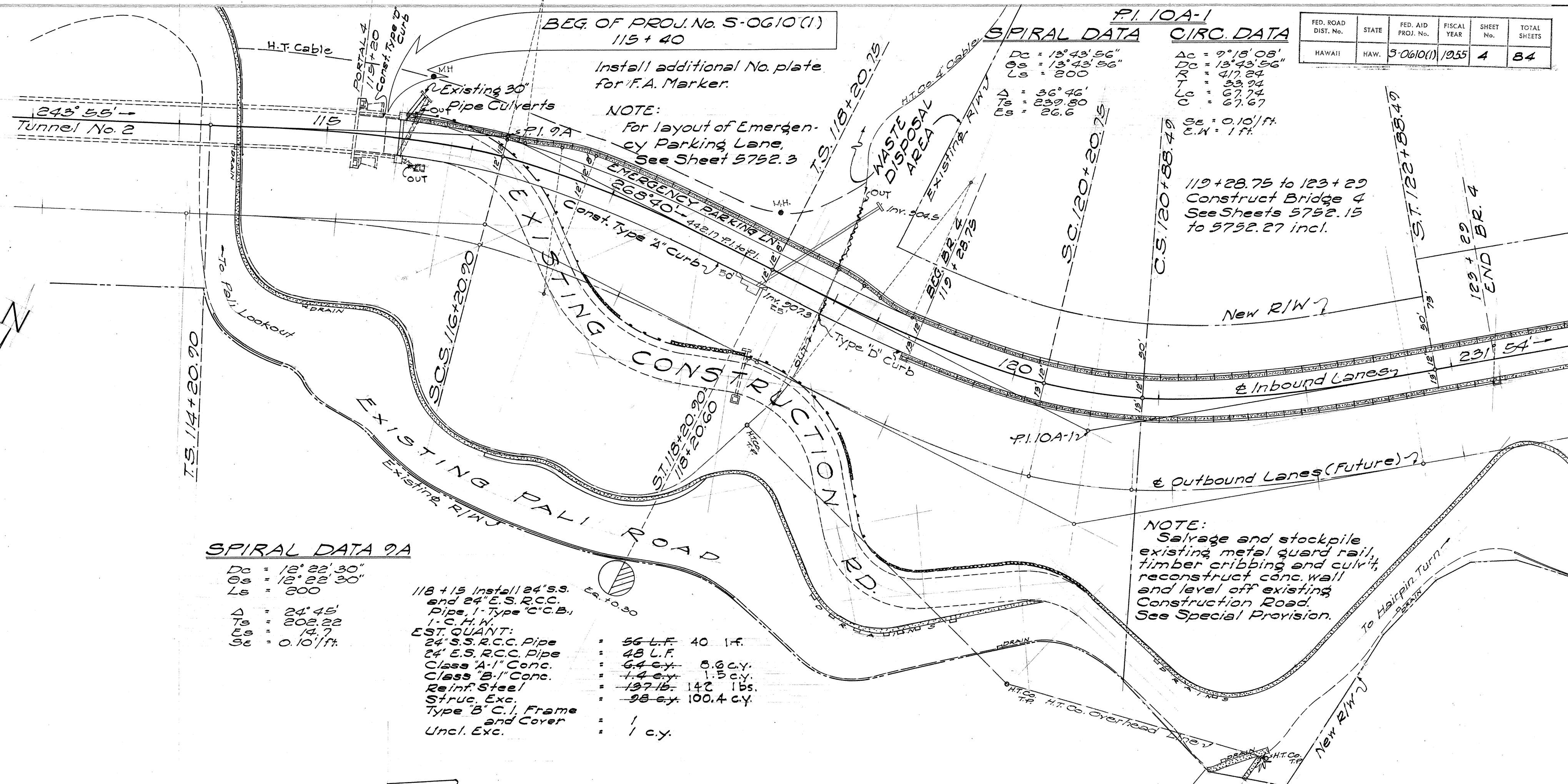
SPIRAL DATA

Dc = 18' 43' 56"
Cs = 18' 43' 56"
Ls = 200
Δ = 36' 46"
Ts = 269.80
Cs = 26.67
Ss = 0.10/ft
C.N. = 1 ft

CIRC. DATA

ΔC = 97' 15' 08"
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FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	9-0610(1)	1955	4	84



PLAN	DATE
BY	
CHECKED	
NOTED	
NO.	

PROFILE	DATE
BY	
CHECKED	
NOTED	
NO.	

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	5-061011	1955	5	84

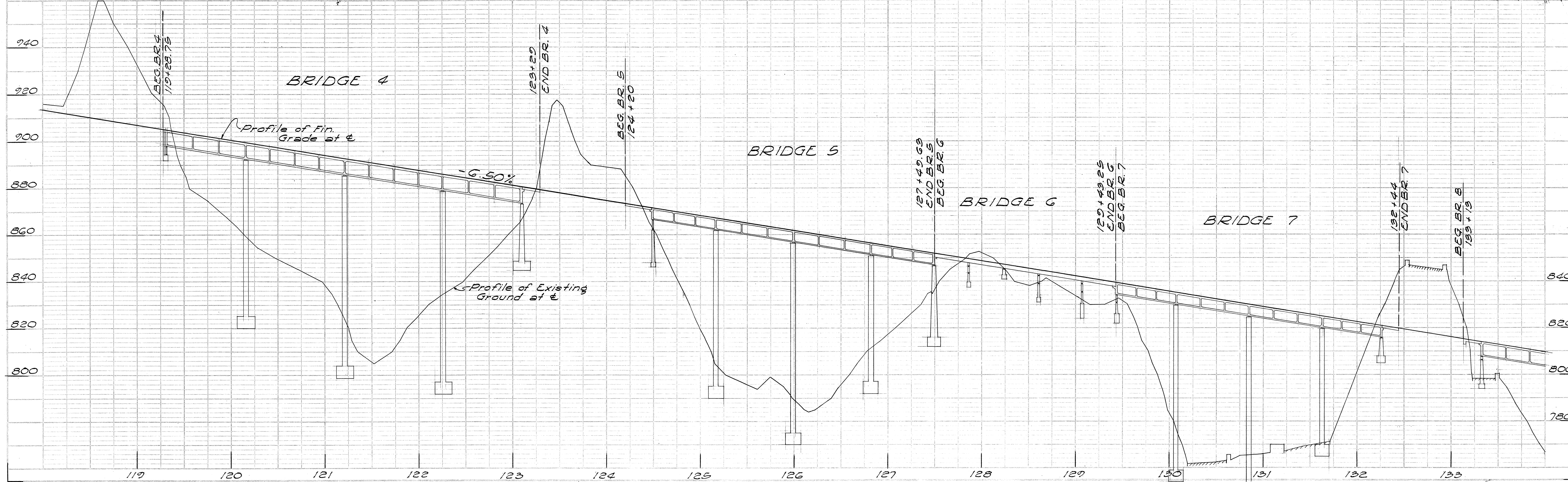
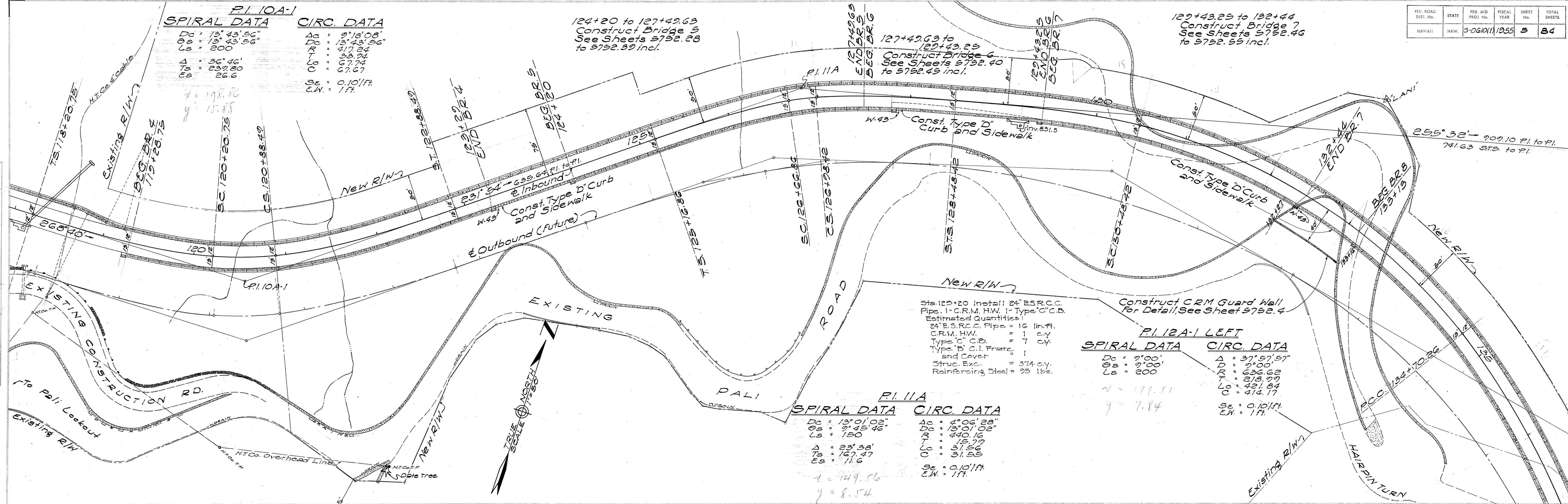


PLATE 1-PLAN-PROFILE C. P. & R. E. STANDARD
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