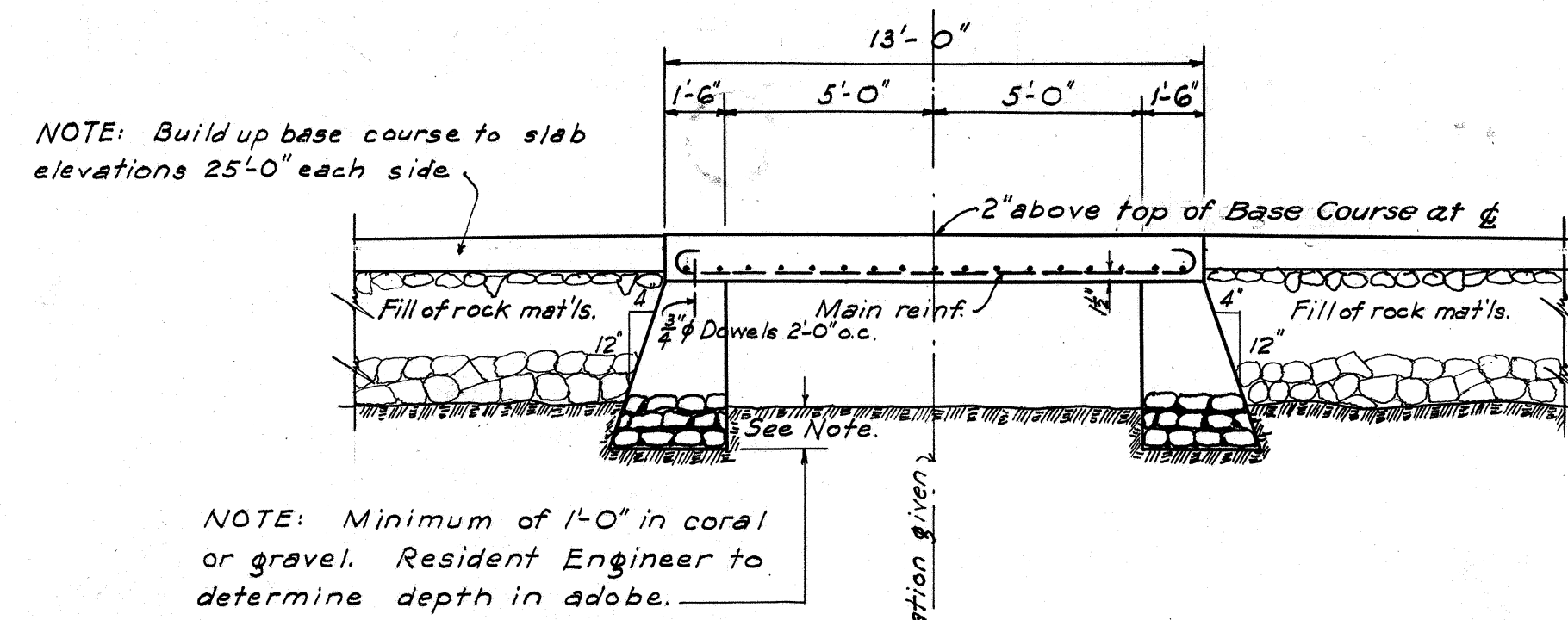
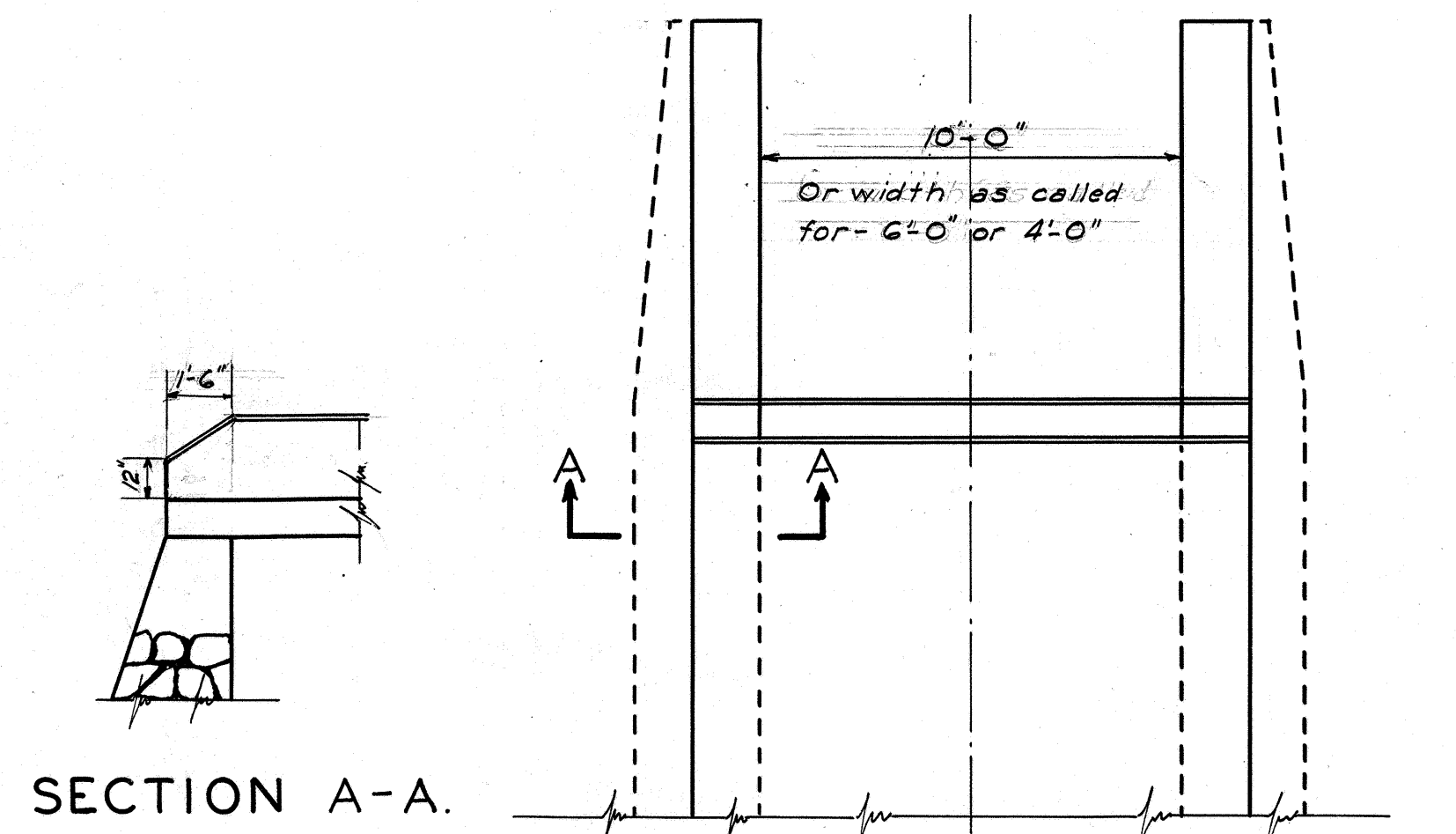
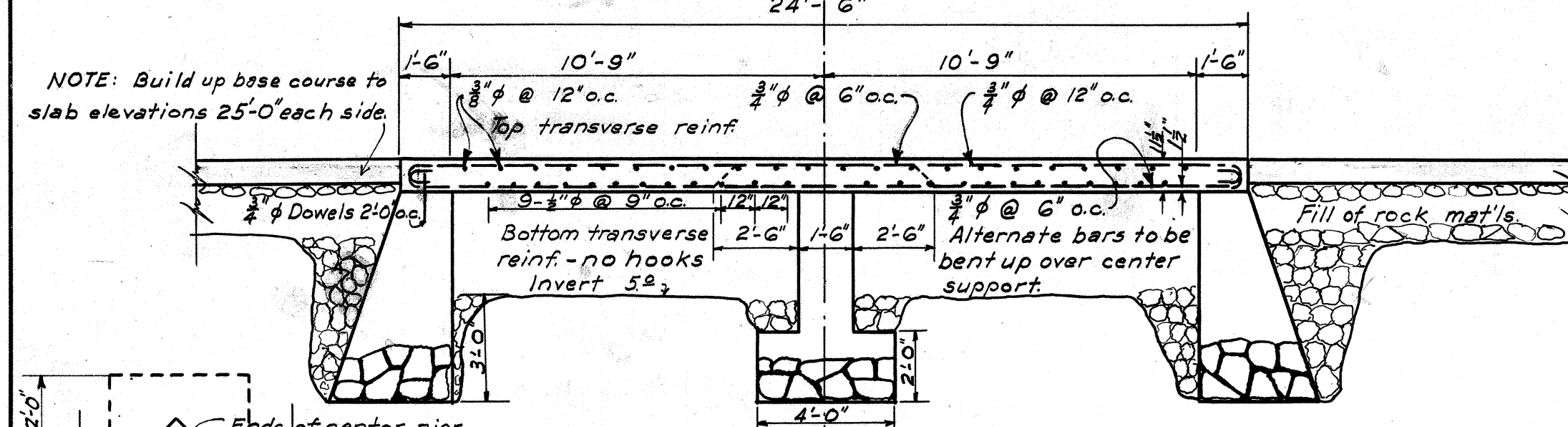




SECTION AT ϵ
Scale: $\frac{1}{2}$ " = 1'-0"

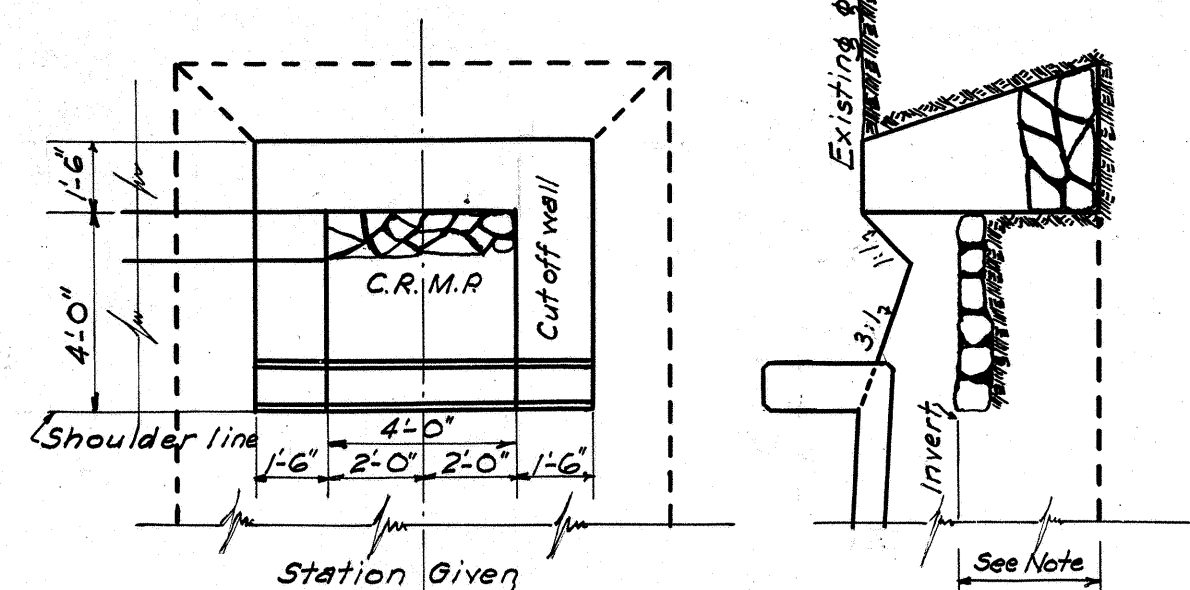


PARTIAL PLAN
TYPICAL INTAKE AND DISCHARGE
Scale: $\frac{1}{4}$ " = 1'-0"

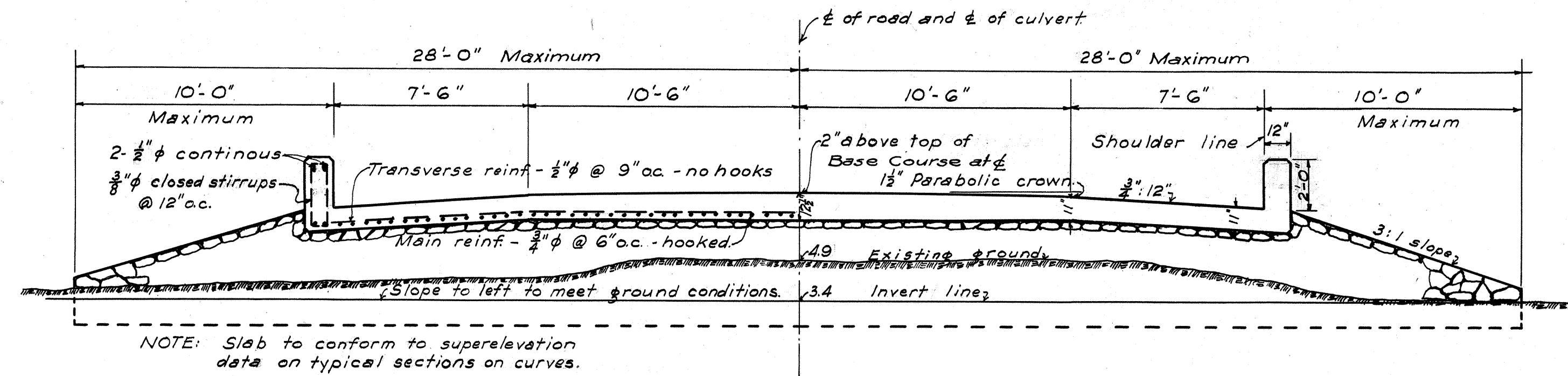


SECTION AT ϵ
FLAT SLAB BRIDGE NO. 2A STA. 946+65
Scale: $\frac{1}{4}$ " = 1'-0"

Wingwalls similar to those detailed above for culverts.



DROP INTAKE FOR 4FT. FLAT SLAB CULVERT
STA. 961+50
Scale: $\frac{1}{2}$ " = 1'-0"

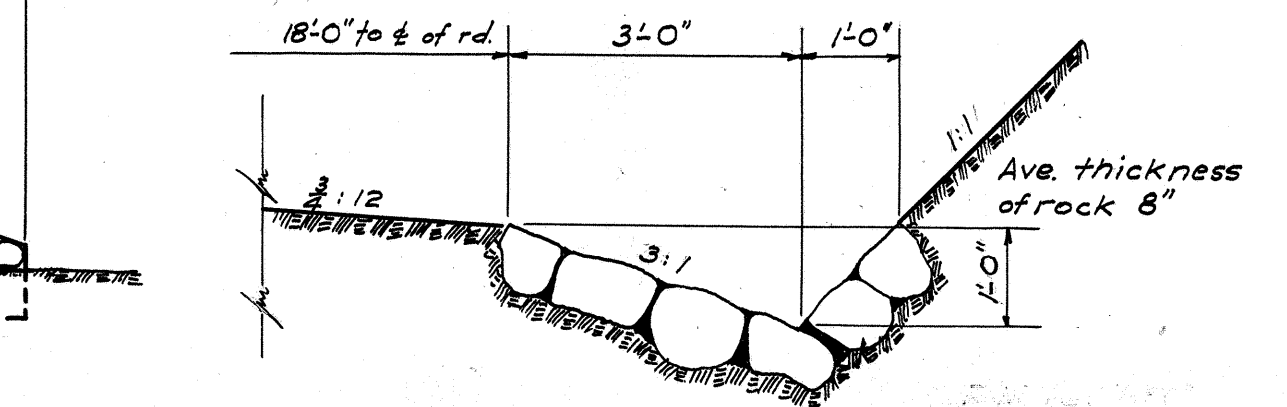


TRANSVERSE SECTION AT ϵ
10FT. FLAT SLAB CULVERT - STA. 872+25
Scale: $\frac{1}{2}$ " = 1'-0"

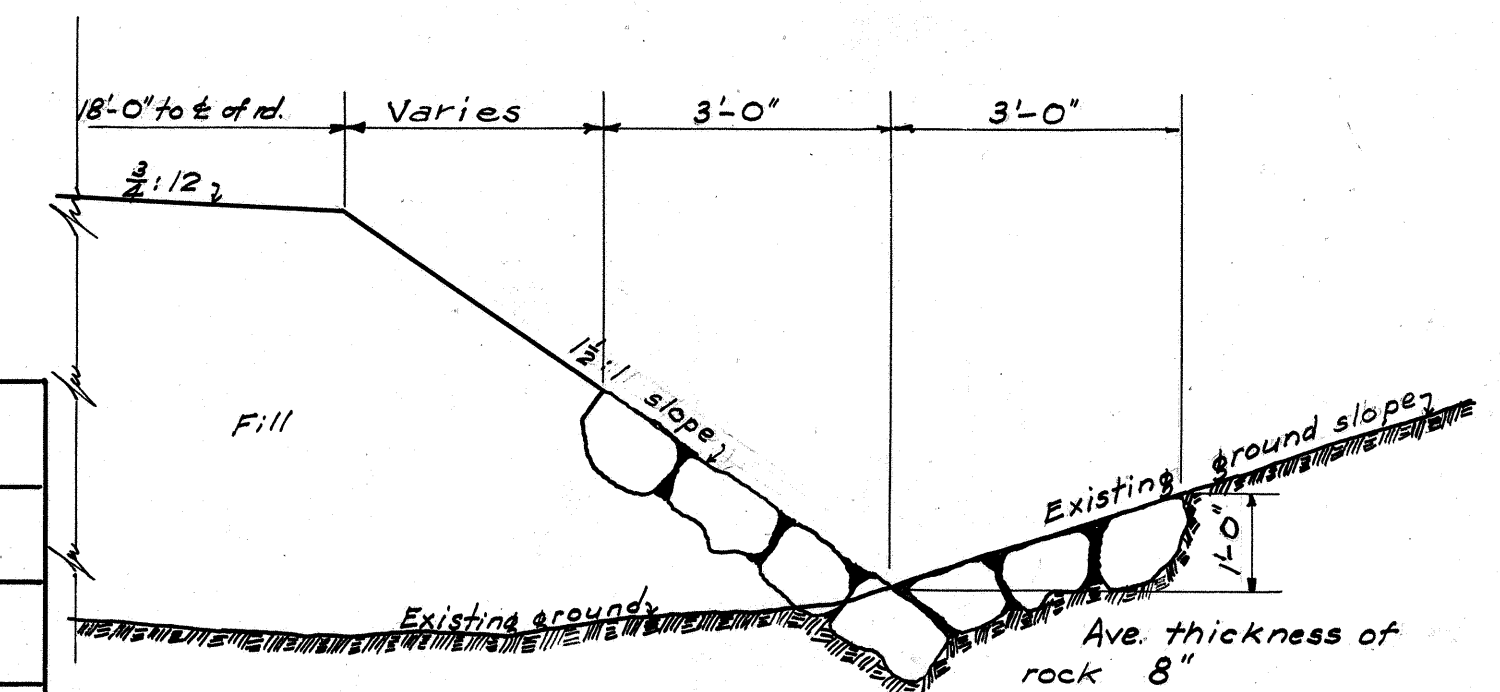
6FT. FLAT SLAB CULVERT - Similar - Slab - Min. Thickness - 9" - 10 1/2" at center.
Main Reinf. - 3/8" ϕ @ 7" o.c.
Transv. " - 1/2" ϕ @ 9" o.c.
4FT. FLAT SLAB CULVERT - " - Slab - Min. Thickness - 8 1/2" - 9 1/2" at center.
Main Reinf. - 3/8" ϕ @ 6" o.c.
Transv. " - 1/2" ϕ @ 7" o.c.

STATION	CULVERT WIDTH	TOP OF BASE COURSE AT ϵ	INVERT GRADE AT ϵ	APPROX. GROUND ELEV. - ϵ	APPROX. FOOTING ELEV.	FOOTING MATERIAL	STRUCTURE EXC. CY.	CLASS "A" CONCRETE CY.	REIN. STEEL lbs.	C.R.M. CY.	C.R.M.P. PAVING CY.	NOTES.
872+30 872+25	10'	7.50	3.4	4.9	2.4	Coral	44	19.2	2154	34		As shown
875+66 895+50	10'	7.62 7.60	3.5	4.8	2.4	Coral	44	19.2	2154	34		Typical
907+00	10'	8.87	5.0	5.7	2.0	Adobe	80	19.2	2154	58		Typical
946+63 946+65		9.04	5.0	6.6	2.0	Adobe & Boulders	20.5	37	5550	80		See plan
953+43 953+40	6'	9.04	5.0	7.3	2.0	"	14.6	11.2	1421	61		Typical
961+50	4'	10.00	7.5	8.5	4.5	"	90	8	904	44	0.4	Superelevation Drop intake
971+25	4'	16.24	13.0	13.8	10.0	"	77	8	904	47	0.4	Typical Drop intake
1005+00	4'	16.78	14.0	14.9	11.0	"	79	8	904	40	0.4	Typical Drop intake
1040+50	4'	23.57	21.0	23.7	18.0	"	79	8	904	42	0.4	Superelevation Drop intake
1062+00	6'	27.87	25.0	27.4	22.0	"	154	11.2	1421	53	0.5	Superelevation Drop intake
1077+67 1097+75	6'	13.56	10.0	11.5	7.0	"	90	11.2	1421	55		Typical
1100+65 1100+60	6'	12.96 12.91	7.1 10.0	11.3	7.0	"	99	11.2	1421	47		Typical

NOTE: Changed to 24" Conc. Pipe Culv.



DETAILS OF PAVED GUTTER
WHERE REQUIRED FOR CUT SECTIONS
BETWEEN STA. 1176+00 & 1186+50
ON THE RIGHT. Scale: $\frac{1}{2}$ " = 1'-0"



DETAILS OF PAVED GUTTER
WHERE REQUIRED FOR FILL SECTIONS
BETWEEN STA. 1176+00 & 1186+50
ON THE RIGHT. Scale: $\frac{1}{2}$ " = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
FLAT SLAB CULVERTS
KAENA PT. ROAD-W.P.S.O. 23 B

SHEET NO. / OF / SHEETS

4383.18

DATE: Aug. 1936
DESIGNED BY: H. H. H. H.
CHECKED BY: H. H. H. H.
ORIGINAL PLAN: H. H. H. H.
NOTE BOOK: H. H. H. H.
QUANTITIES BY: H. H. H. H.
CHECKED BY: H. H. H. H.