

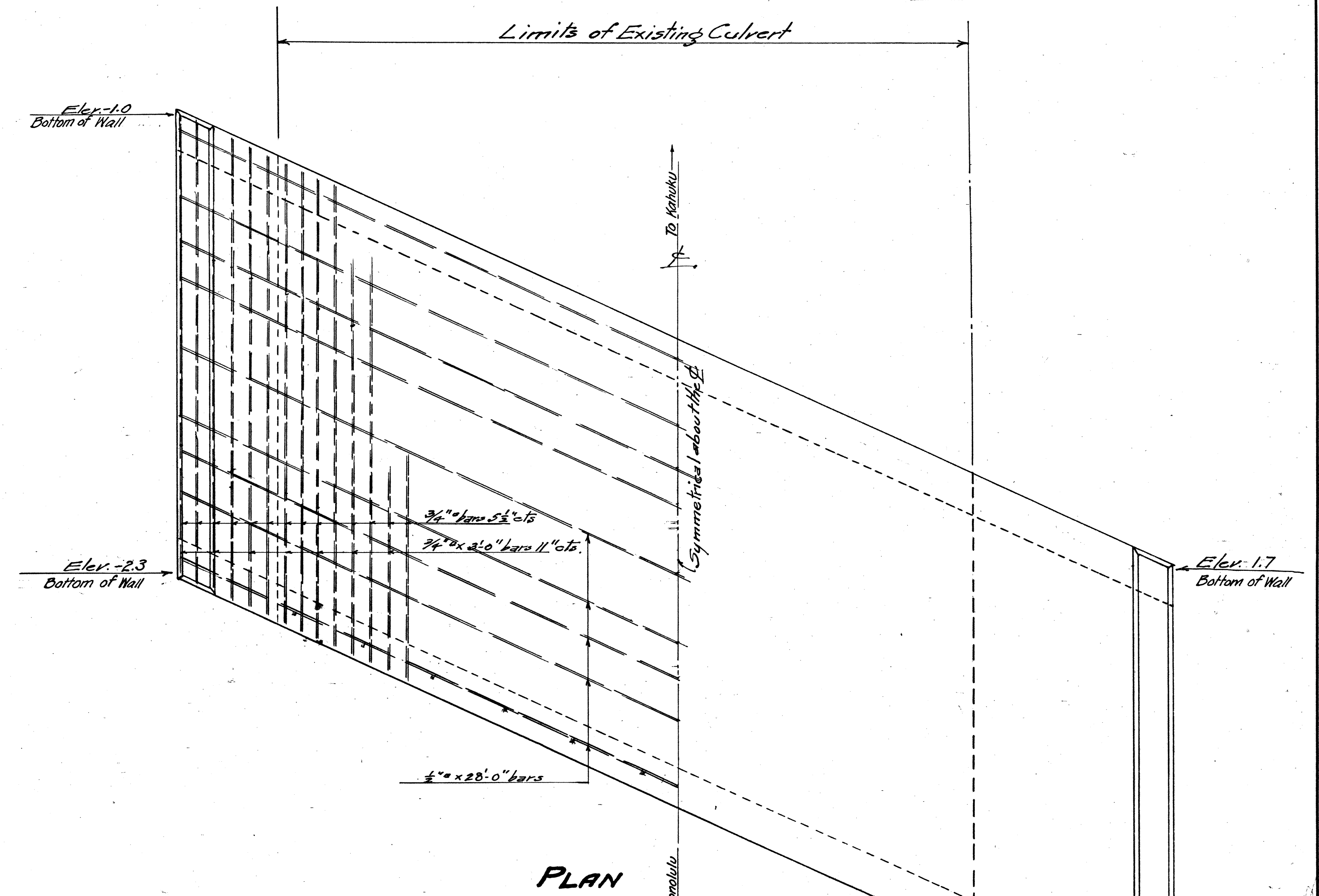
SECTION THRU TRUNK Showing Reinforcement of Trunk only. FACE OF HEADWALL Showing Headwall Reinforcement. SIDE ELEVATION OF CULVERT Showing Headwall Reinforcement.

SCHEDULE OF REINFORCEMENT						
ITEM	LOCATION	RSZ SIZE	LENGTH	TOTAL LENGTH	BENDING	WT. PER FOOT TOTAL WT. ITEM
1	Top & Bottom	28 #3	14'-6"	1247'-0"		1.24 2413.2 1
2	Top	28 #3	19'-0"	532'-0"	1170" R=8'-0" 1/2" 1/2" 1/2" 1/2"	1.94 1032.1 2
3	Corners	58 #3	3'-6"	203'-0"		1.24 323.8 3
4	Sticks	58 #3	2'-0"	116'-0"		1.24 225.0 4
5	Longitudinal	21 #3	25'-6"	535'-6"		0.86 460.5 5
6	Headwalls	12 #3	16'-6"	198'-0"		1.24 244.1 6
7	"	4 #3	7'-6"	30'-0"		1.24 53.2 7
TOTAL WT. LBS.						4972.9

All steel in this schedule to be supplied by the City & County as per specifications. The Contractor is to supply the necessary tie wire.

DETAILS OF BOX CULVERT STA. 466+60.

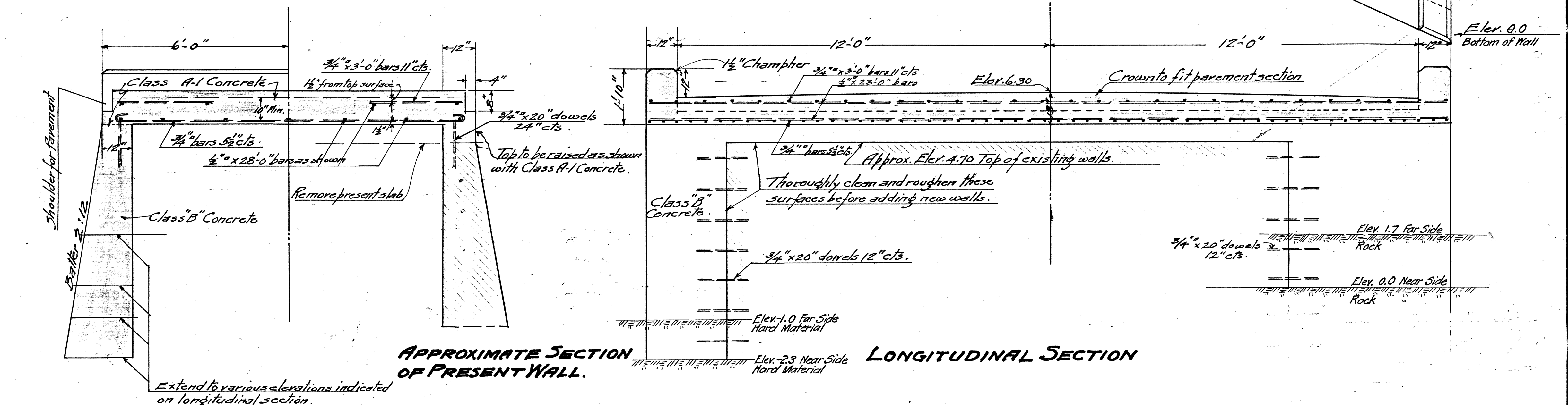
APPROXIMATE QUANTITIES Class "A" Concrete 49 Cu. Yds.



PLAN

SCHEDULE OF REINFORCEMENT						
ITEM	LOCATION	RSZ SIZE	LENGTH	TOTAL LENGTH	BENDING	WT. PER FT. TOTAL WT. ITEM
1	Slab Top	58 #3	3'-0"	174'-0"		1.24 327.6 1
2	" Bottom	57 #3	12'-0"	684'-0"	12'-0" R=4'	1.24 1227.0 2
3	" Longitudinal	11 #3	28'-0"	308'-0"		0.86 264.9 3
4	Walls Doweled	31 #3	1'-8"	51'-8"		1.24 100.2 4
TOTAL WT. LBS.						2029.7

All steel in this schedule to be supplied by the City & County as per specifications. The Contractor is to supply the necessary tie wire.



SECTION THRU NEW SIDE WALLS

APPROXIMATE SECTION OF PRESENT WALL.

LONGITUDINAL SECTION

DETAILS RECONSTRUCTION CONCRETE SLAB CULVERT STA. 470+50.

APPROXIMATE QUANTITIES Class "A" Concrete 12 Cu. Yds. Class "B" Concrete 6 Cu. Yds.

OFFICE OF THE CITY & COUNTY ENGINEER  
HONOLULU, HAWAII  
**KAMEHAMEHA HIGHWAY  
SECOND UNIT-SECTION 2  
DETAILS OF CULVERTS**

ENGINEER R.W.A. DATE March 1, 1922.  
DRAFTSMAN S.L.W. CHECKED BY  
SCALE 1/2"=1'-0" APPROVED: *J. J. [Signature]*  
CITY AND COUNTY ENGINEER