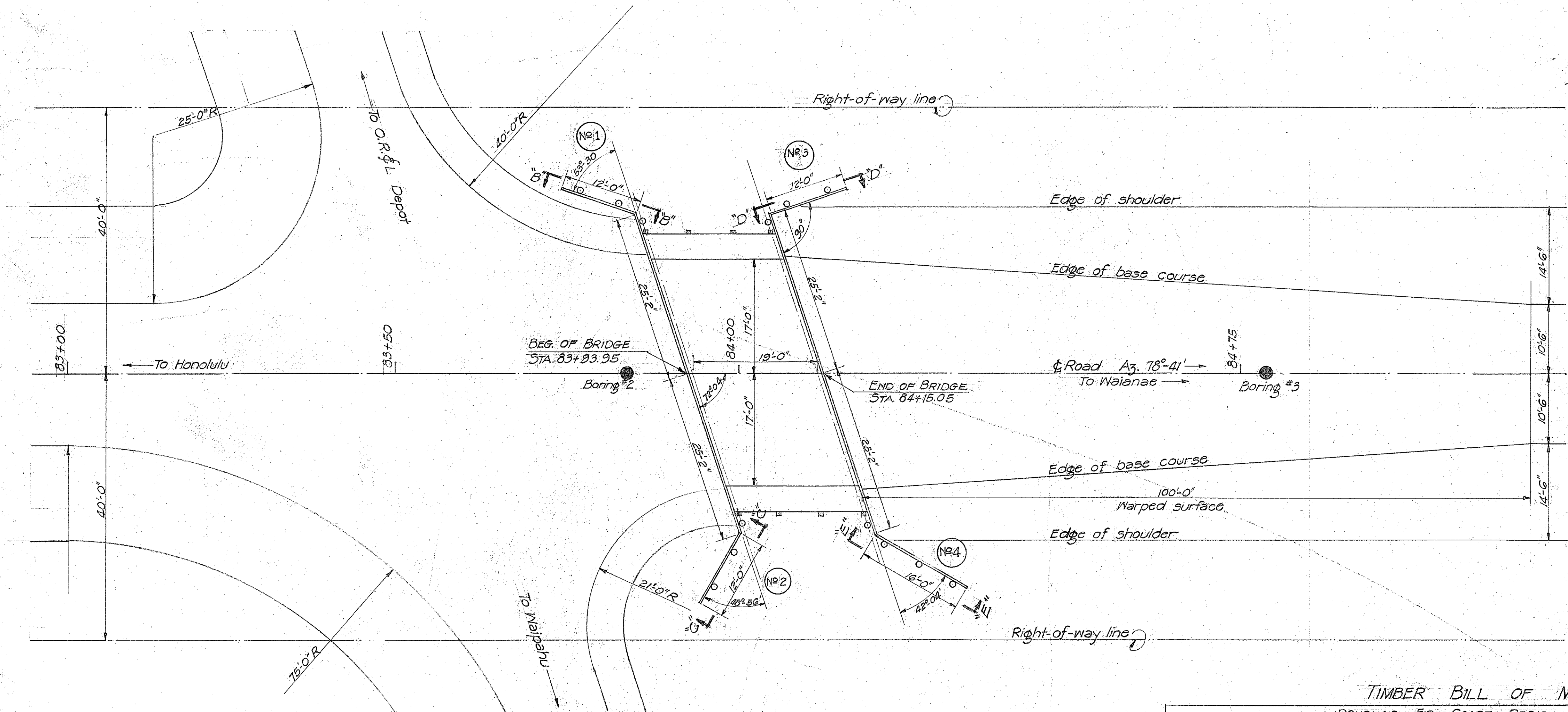
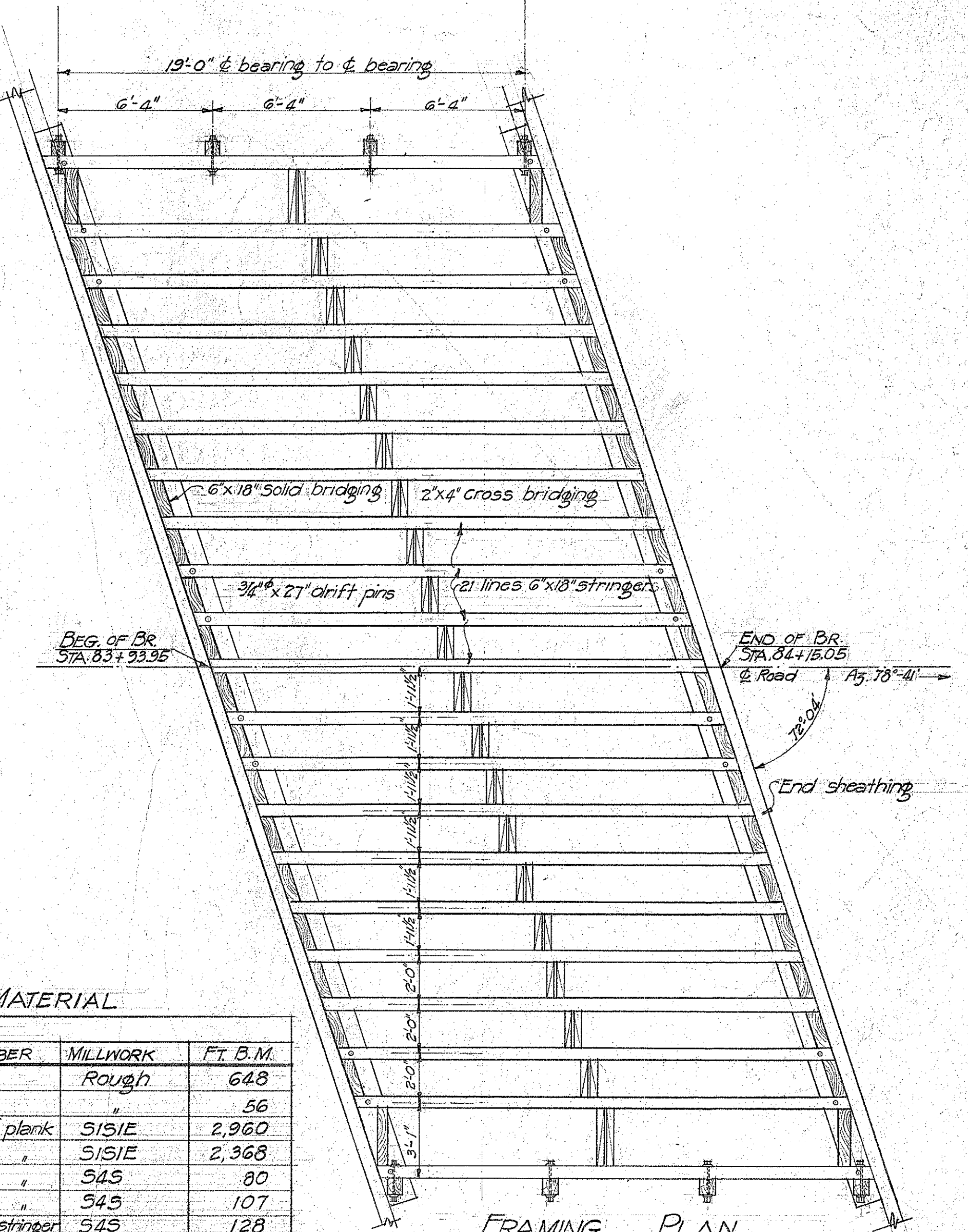




LAYOUT PLAN OF BRIDGE
Scale 1"=10'



FRAMING PLAN
Scale 1/4"=1'-0"

TIMBER BILL OF MATERIAL

DOUGLAS FIR COAST REGION					
MEMBER	NO. REQ'D	SIZE & LENGTH	KIND OF LUMBER	MILLWORK	FT. B.M.
Solid bridging	4	6"x18"x18'-0"	No. 1 Dimension	Rough	648
Gross bridging	6	2"x4"x14'-0"	"	"	56
Decking (Floor)	148	2"x6"x20'-0"	Select struct. joist & plank	S1S1E	2,960
"	148	2"x6"x16'-0"	"	S1S1E	2,368
Railing	2	3"x8"x20'-0"	"	S4S	80
"	2	4"x8"x20'-0"	"	S4S	107
Railing posts	2	8"x8"x12'-0"	"	S4S	128
"	2	8"x8"x14'-0"	"	S4S	149
Wheelguard	2	10"x12"x20'-0"	"	S1S1E	400
face pc.	2	4"x16"x20'-0"	"	S1S1E	213
Stringers	21	6"x18"x20'-0"	"	beam & stringer	3,780
Sidewalk support blk	4	12"x18"x3'-0"	"	post & timbers	See detail
" plank	62	2"x8"x4'-0"	No. 1 Dimension	S1S	330
"	62	1"x8"x4'-0"	"	S1S	165
Caps	4	12"x12"x24'-0"	Select struct. beam & stringer	S1S	1,152
Blocks at abuts.	14	12"x12"x5'-0"	"	posts & timber	Rough
Sidewalk end pc.	4	6"x16"x4'-0"	"	"	128
End Sheathing	64	4"x12"x10'-0"	"	joist & plank	2,560
"	26	4"x12"x12'-0"	"	"	1,248
"	22	4"x12"x14'-0"	"	"	1,232
"	14	4"x12"x16'-0"	"	"	896
"	8	6"x12"x20'-0"	"	"	960
"	4	6"x12"x14'-0"	"	"	336
TOTAL					20,952

ESTIMATED QUANTITIES

Treated timber	20,952 Ft. B.M.
Treated timber piling	486 lin. ft.
Untreated timber piling	945 lin. ft.
Structure Exc.	370 cu. yds.

TERRITORIAL HIGHWAY DEPARTMENT

TERRITORY OF HAWAII

KAPAKAHI BRIDGE

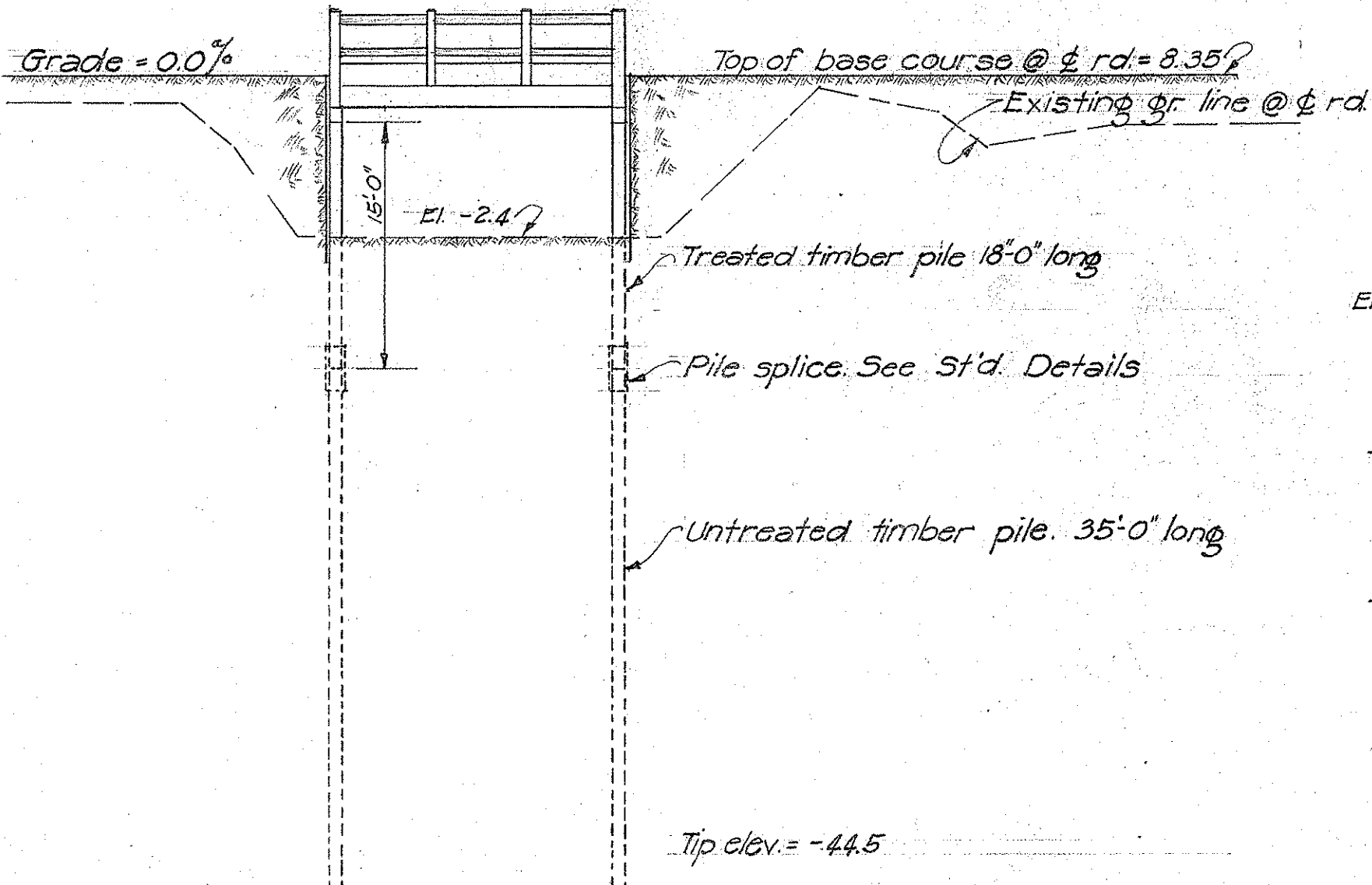
STA. 83+93.95 TO STA. 84+15.05

F.A.G.H. 4-C Waiānāe Rd.

June 1938

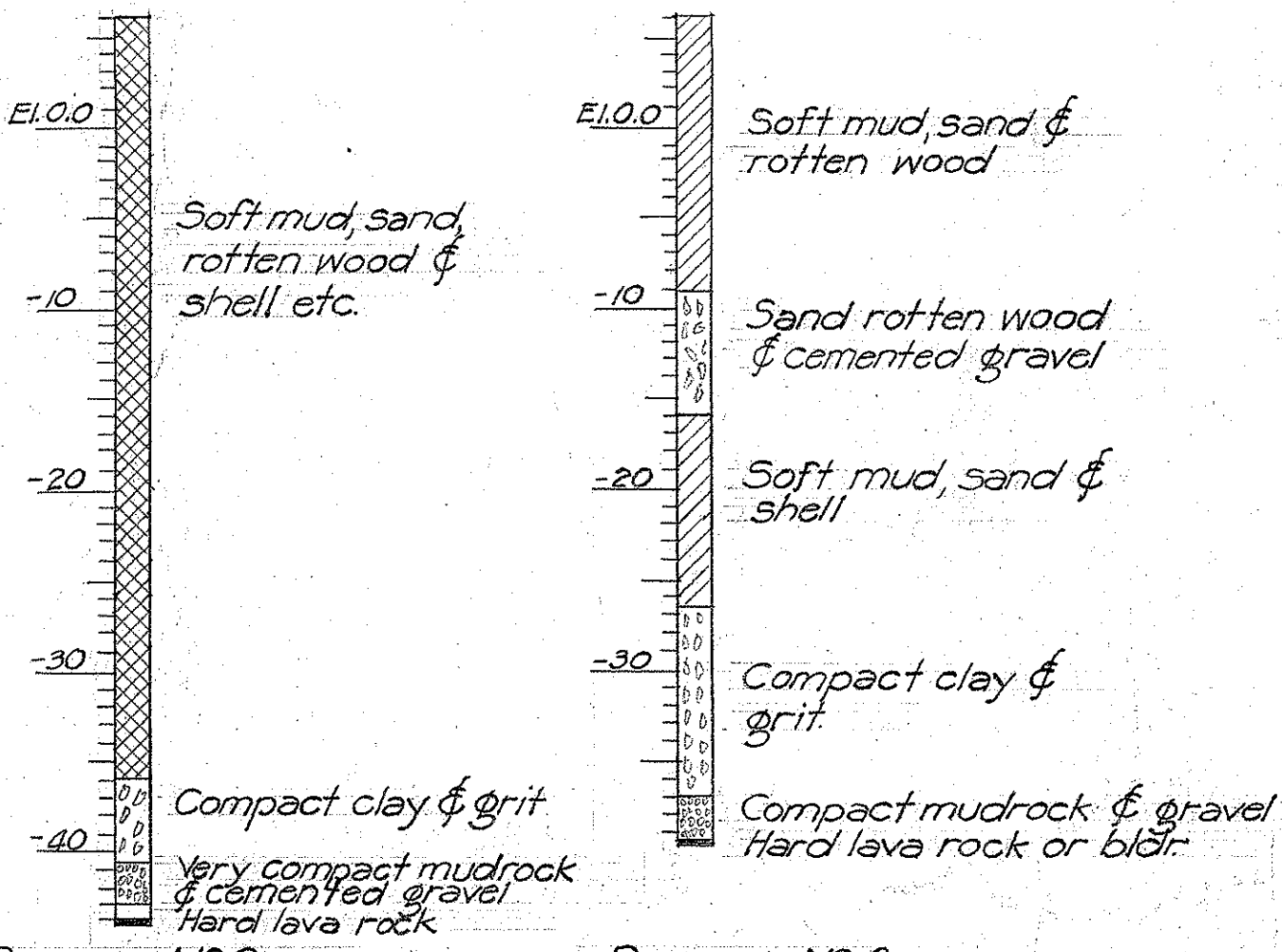
SHEET No. 1 OF 2 SHEETS

4450.14



UPSTREAM ELEVATION
Scale 1"=10'-0"

NOTE! Wingwalls not shown



BORING NO. 2 BORING NO. 3
Vertical Scale 1"=10'

REVISION: Rekey, width changed from 24'-0" to 34'-0". Grades changed

ORIGINAL PLAN	DATE
DESIGNED BY	June 38
DRAWN BY	W. J. J. J.
CHECKED BY	
QUANTITIES CHECKED BY	
NOTED BY	
NO.	

2 pc. 6"x12" laminated floor

6" solid bridging

12"x12" cap

3/4" drift pins

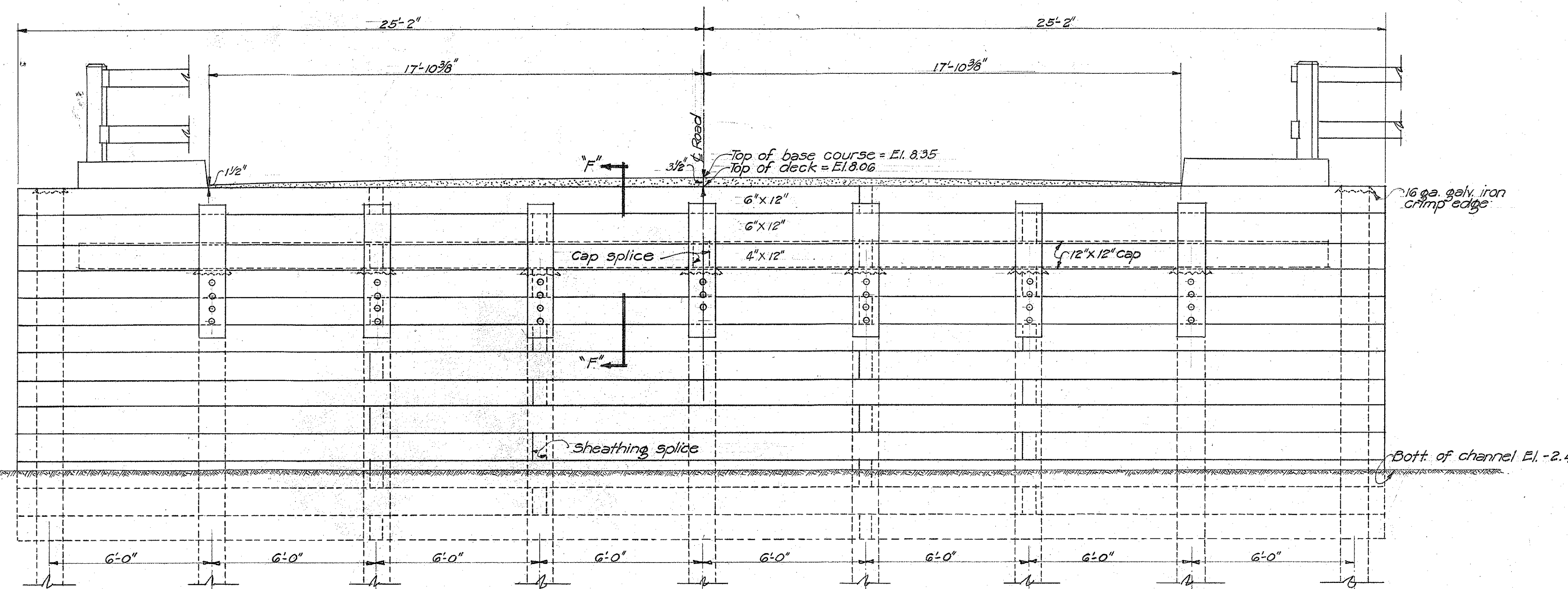
6"

3"

3"

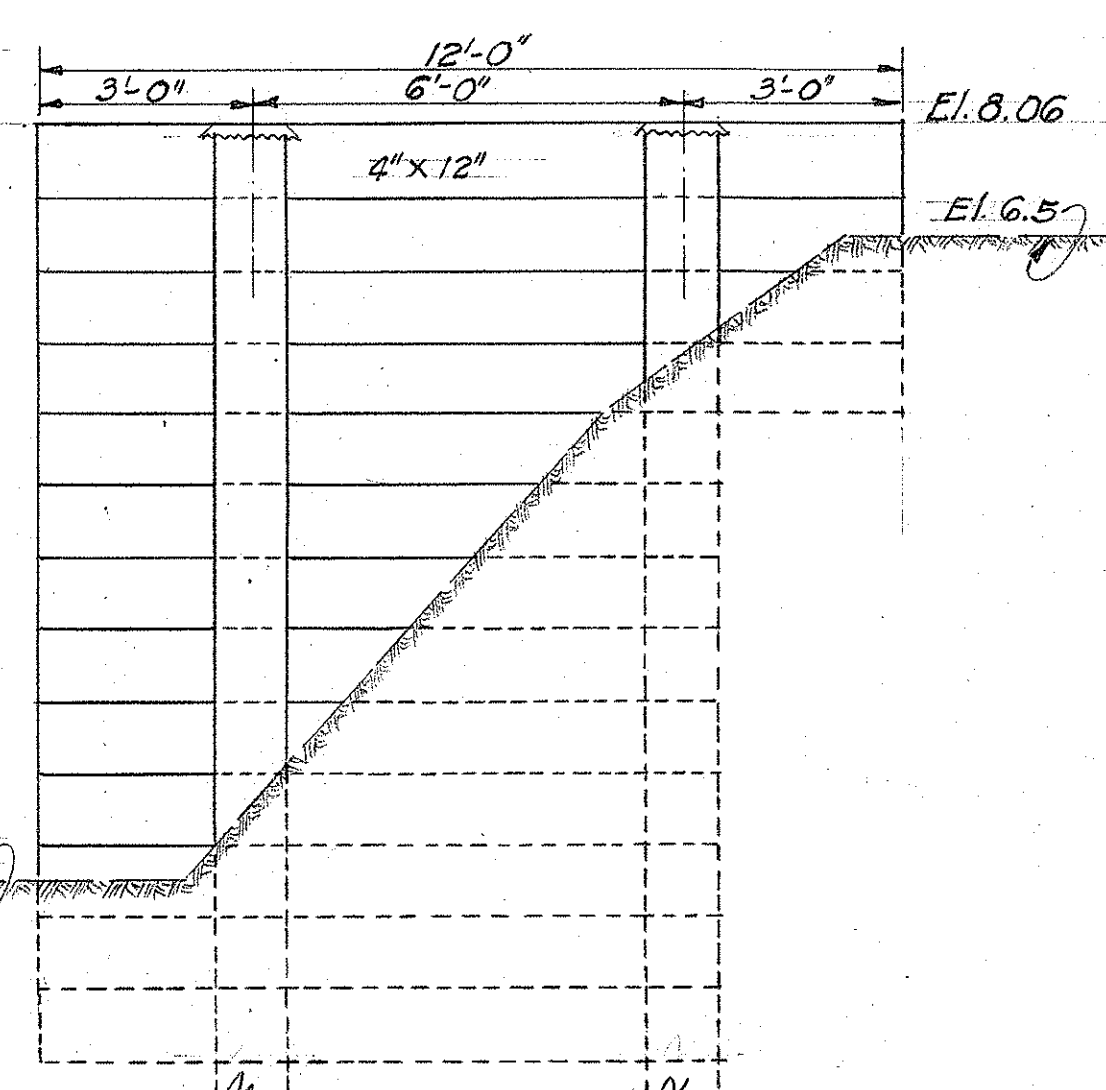
15"

SECT. "F-F"
Scale $\frac{3}{4}" = 1'-0"$

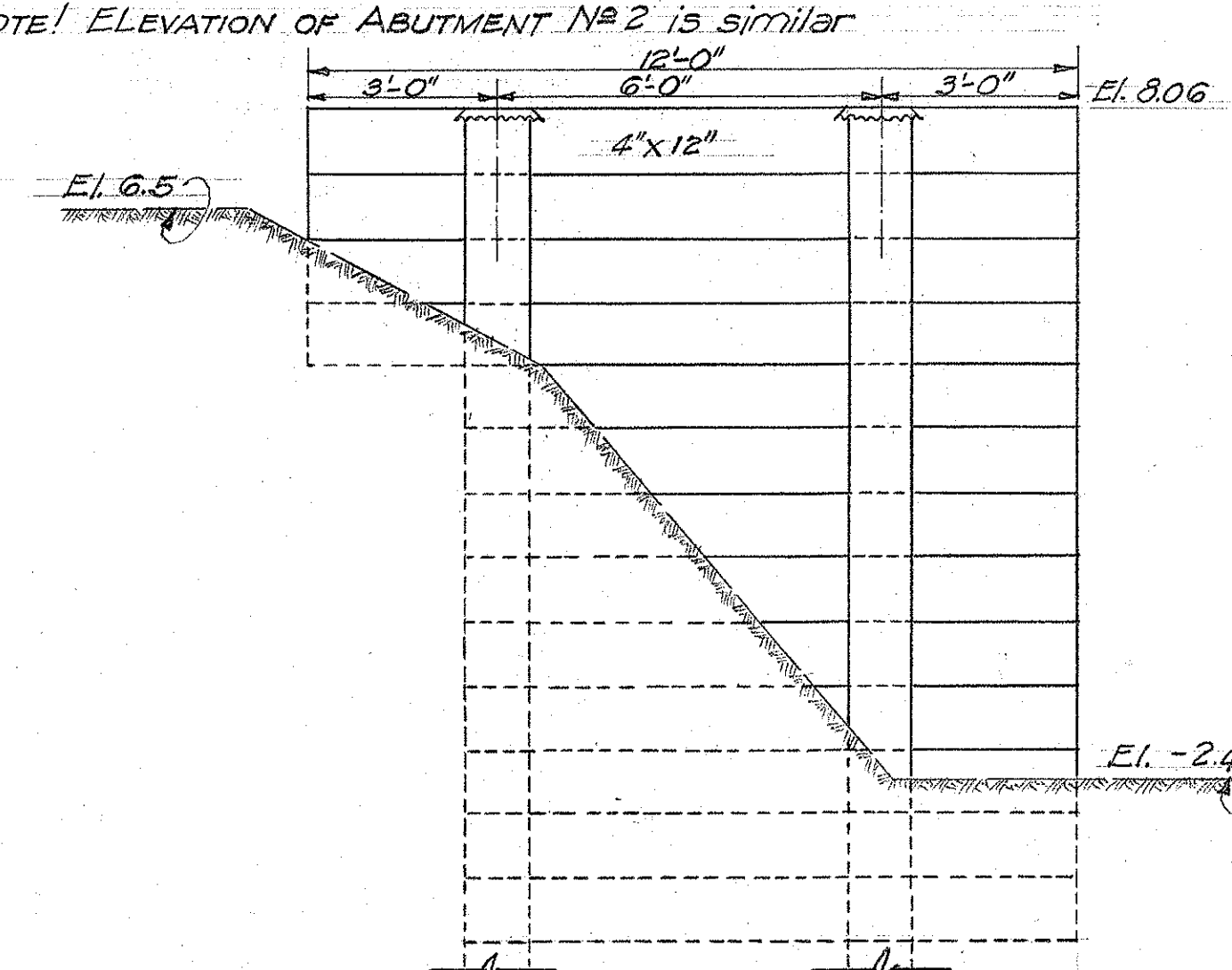


ELEVATION "A-A" ABUT. NO 1 (WINGWALLS NOT SHOWN)
Scale 3/8"=1'-0"

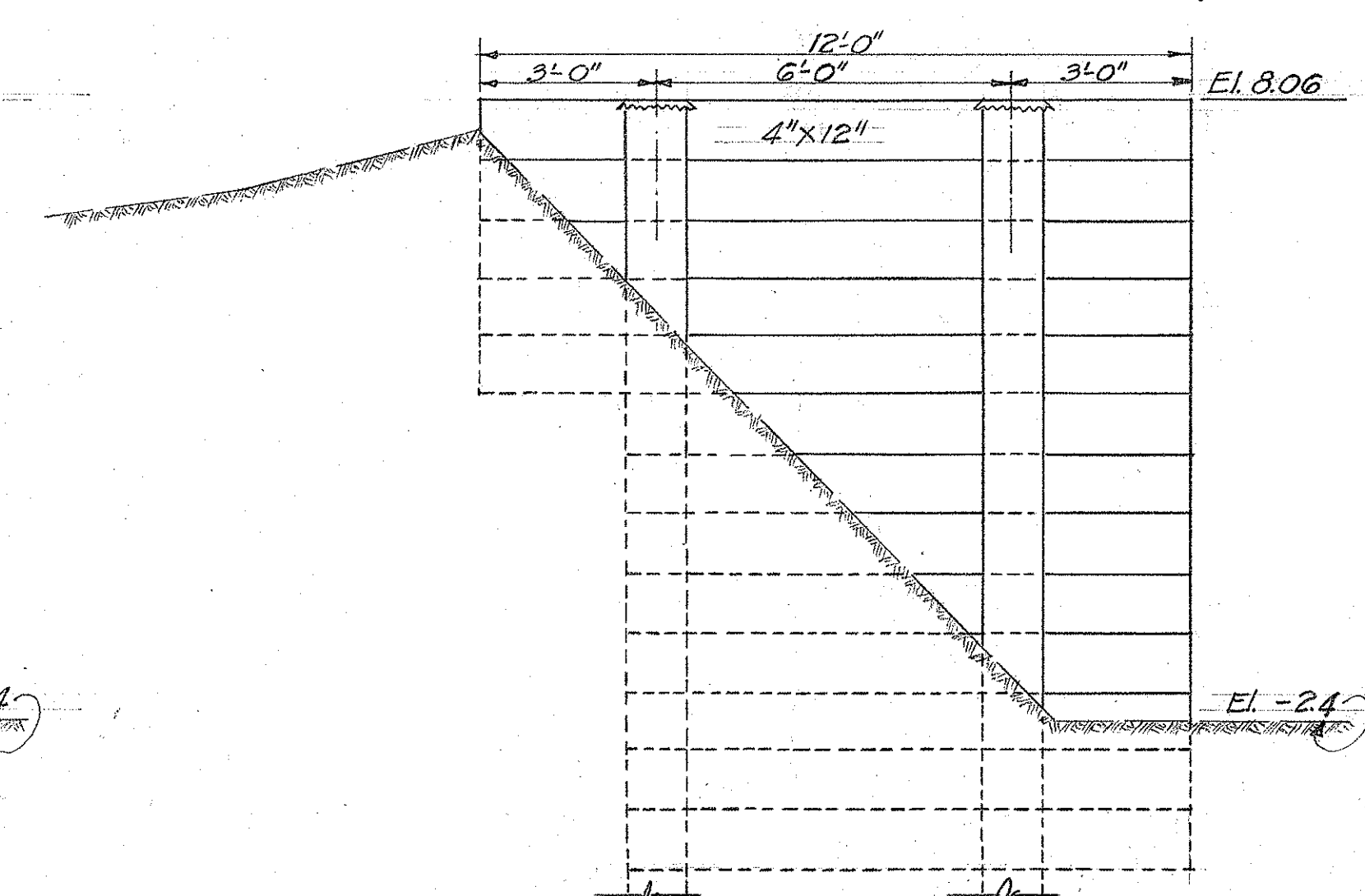
NOTE! ELEVATION OF ABUTMENT №2 is similar



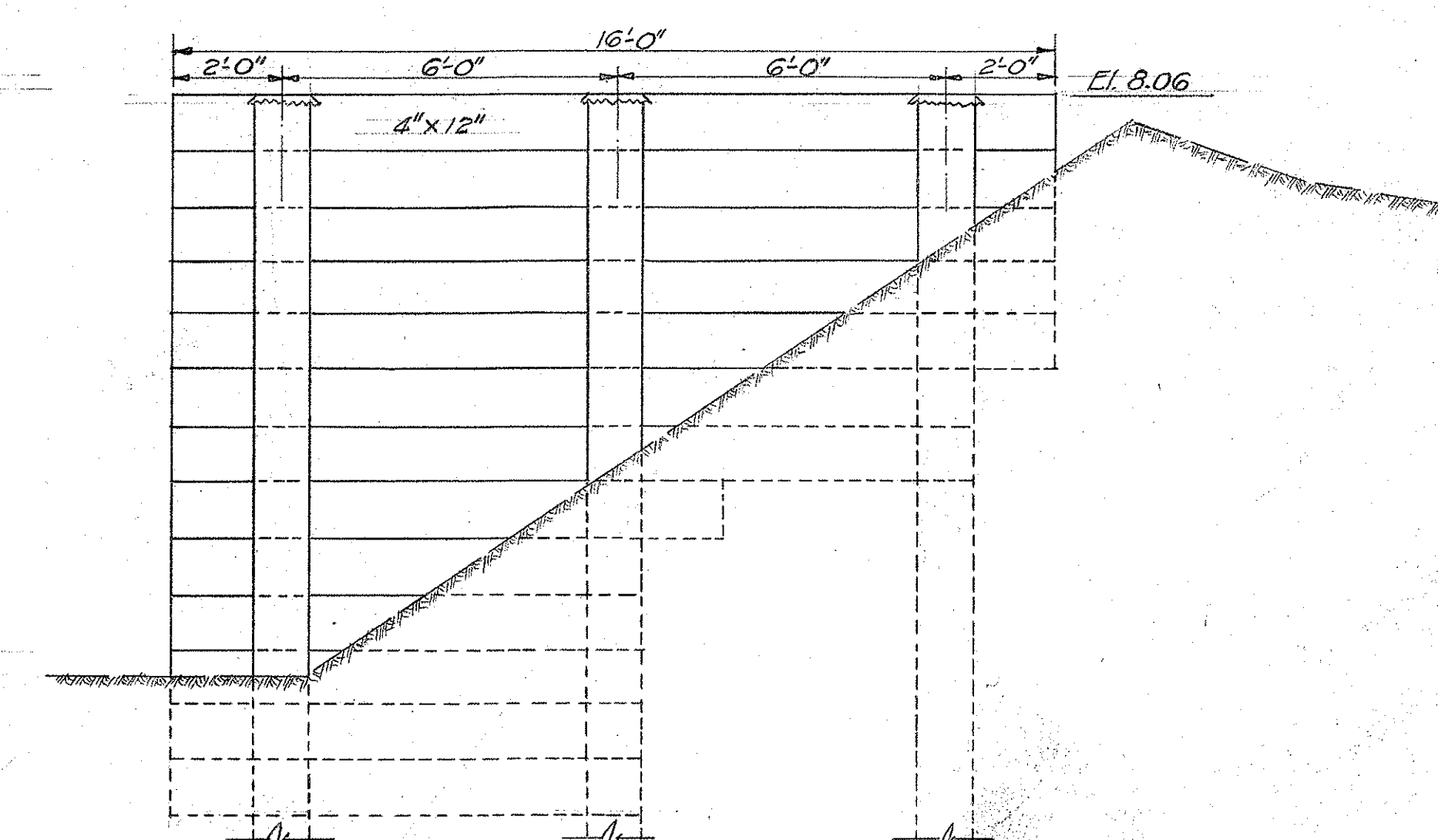
ELEV. "B-B" WINGWALL No 1
Scale $\frac{3}{8}'' = 1'-0''$



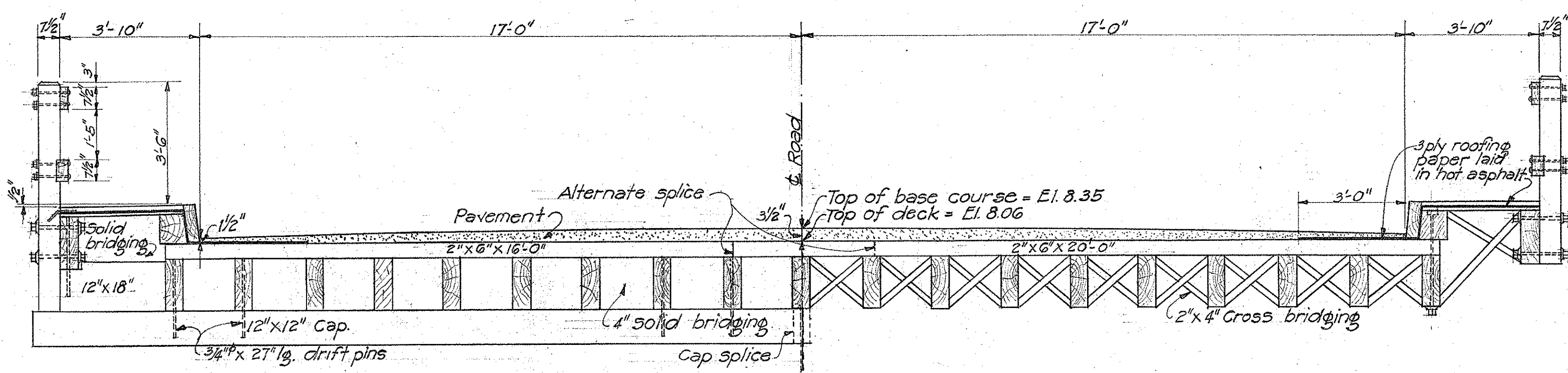
ELEV. "C-C" WINGWALL No 2
Scale 3/8" = 1'-0"



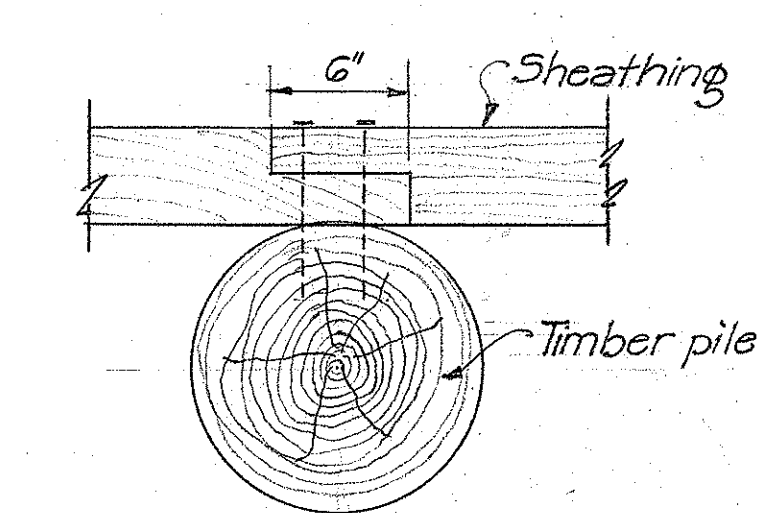
ELEV. "D-D" WINGWALL No 3
Scale $\frac{3}{8}'' = 1'-0''$



ELEV "E-E" WINGWALL No 4
Scale 3/8"=1'-0"



HALF NORMAL SECTION AT ABUTMENTS HALF NORMAL SECTION AT CENTER OF SPAN
Scale: 3/8" = 1'-0"



SHEATHING SPLICE
Scale 1/2" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAPAKAHI BRIDGE
STA. 83+93.95 To STA. 84+15.05
F.A.G.H. 4-C Waianae Rd.
June 1938
SHEET No 2 OF 2 SHEETS

REVISION: Rainy. width changed from 24'-0" to 34'-0". Grades changed.

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DESIGNED BY _____	44 _____
	DRAWN BY <i>W. J. Vannatta</i>	44 <i>June '33</i>
	TRACED BY _____	44 _____
	QUANTITIES BY _____	44 _____
No. _____	QUANTITIES CHECKED BY _____	44 _____
	CHECKED BY _____	44 _____