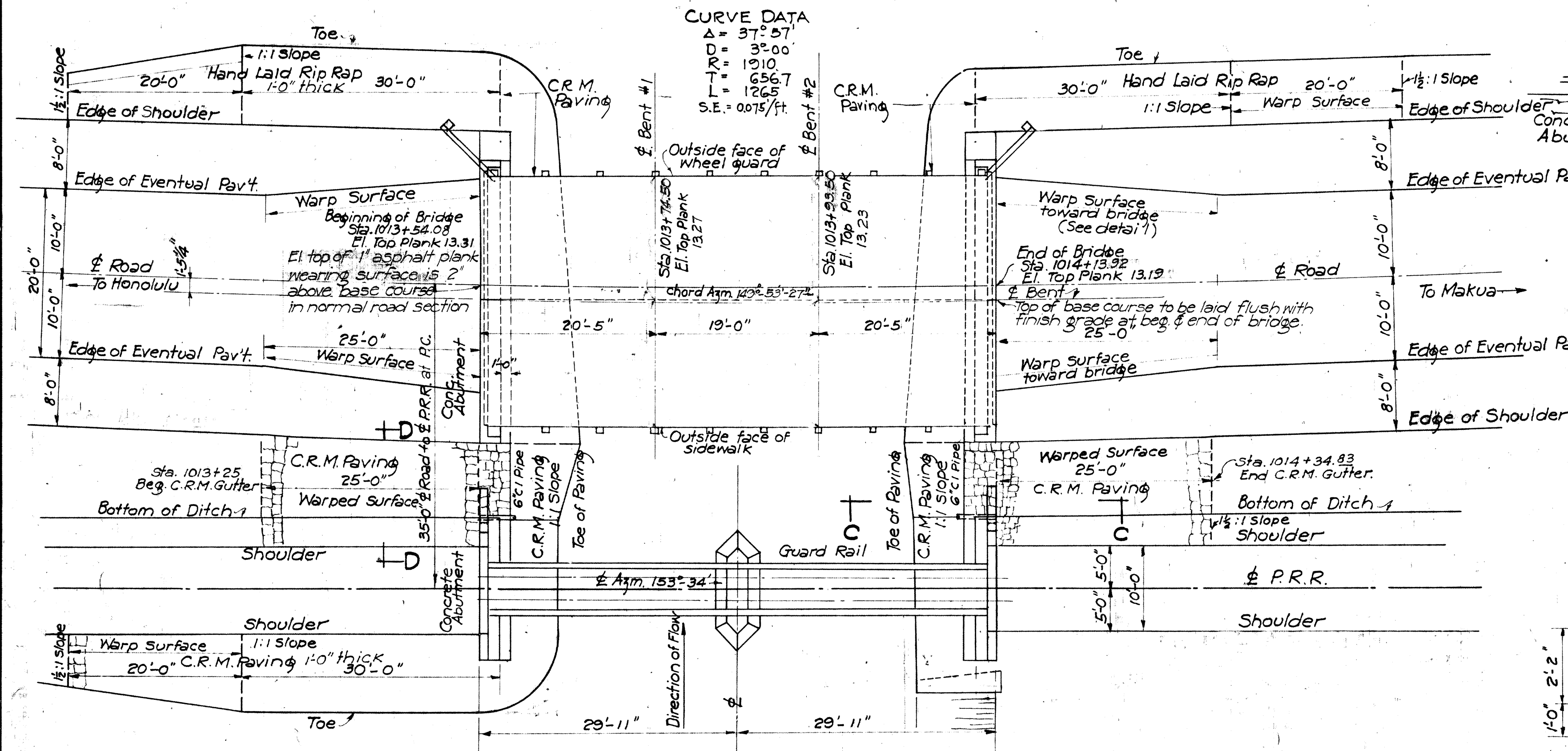
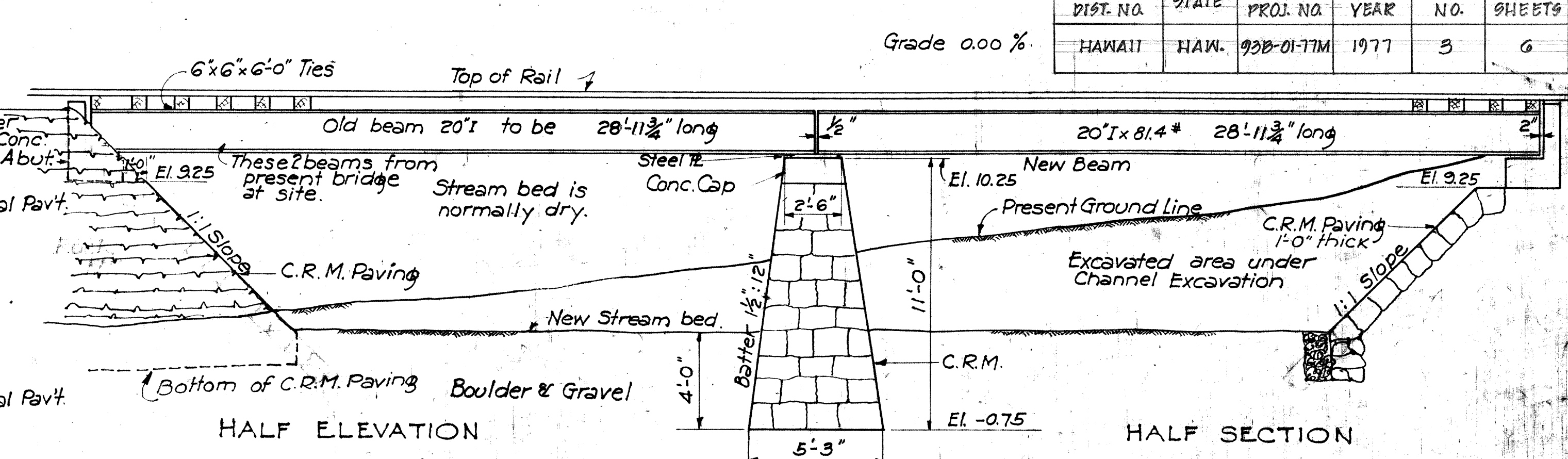


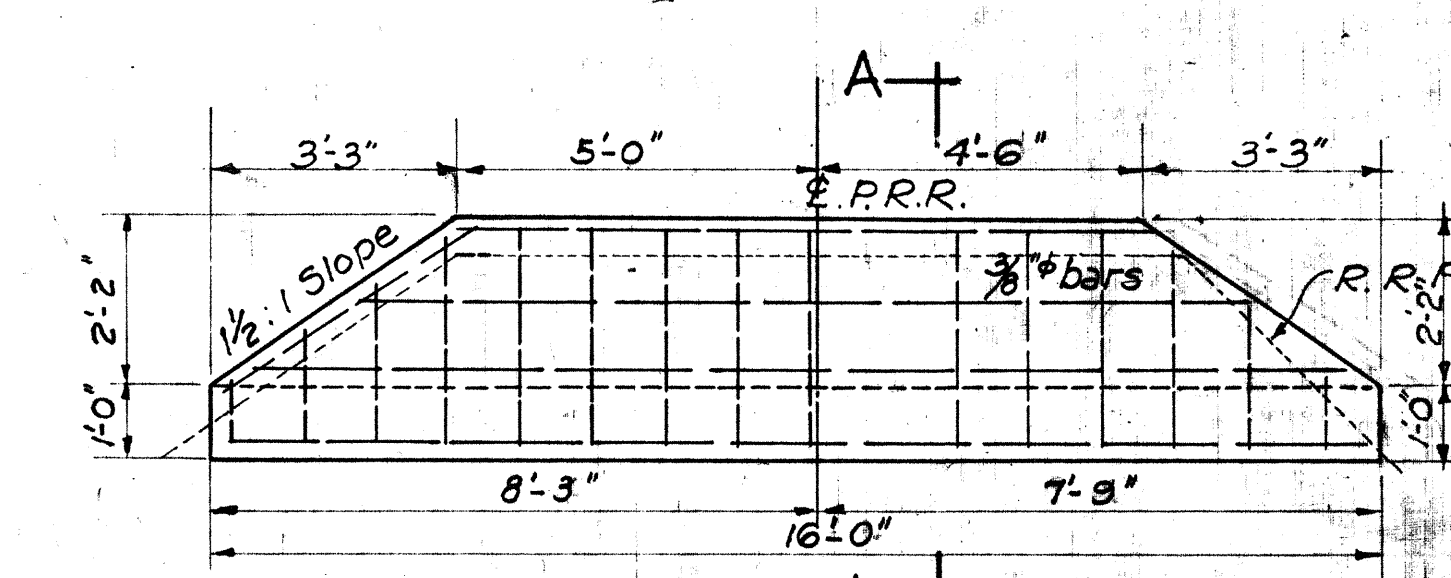
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	930-01-77M	1977	3	6



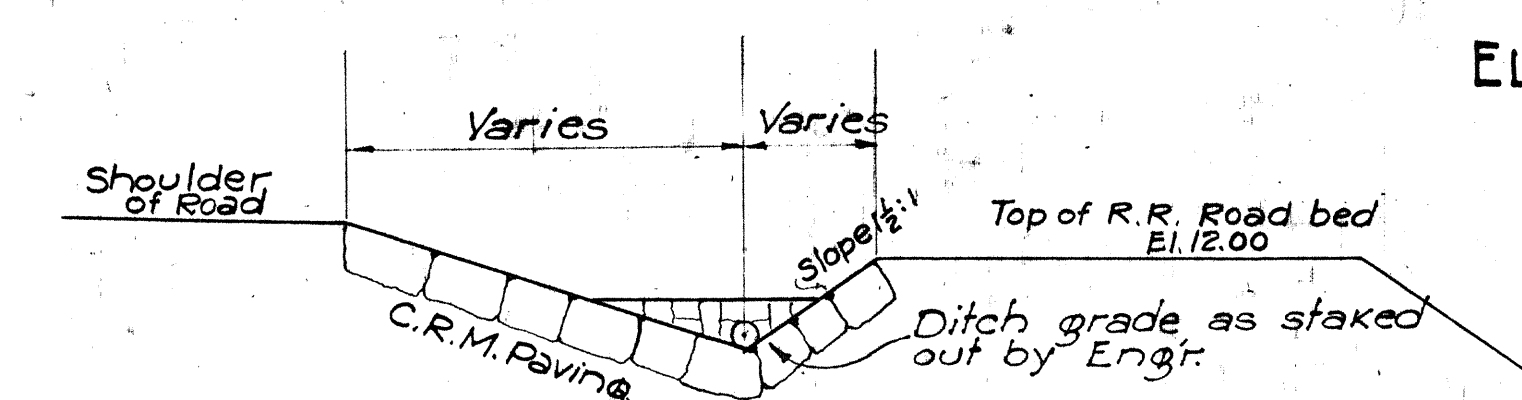
LAYOUT PLAN OF BRIDGE No. 3
AND PLANTATION R.R. BRIDGE
Scale 1" = 10'-0"



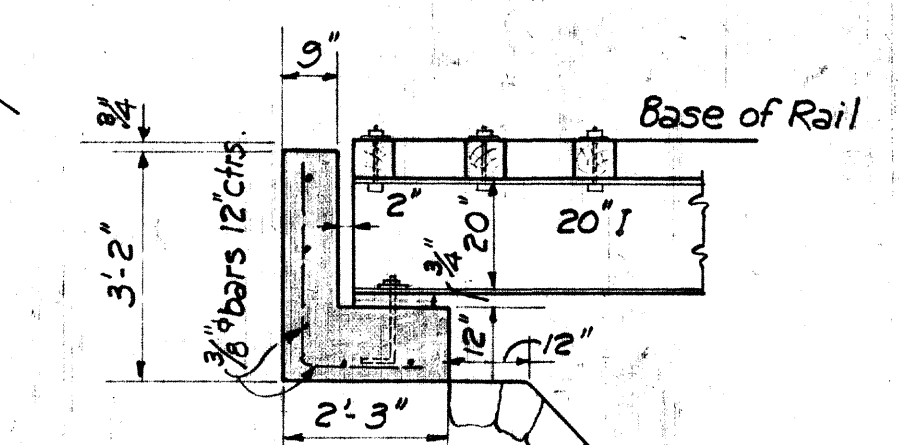
PLANTATION R.R. BRIDGE
1/4" Scale.



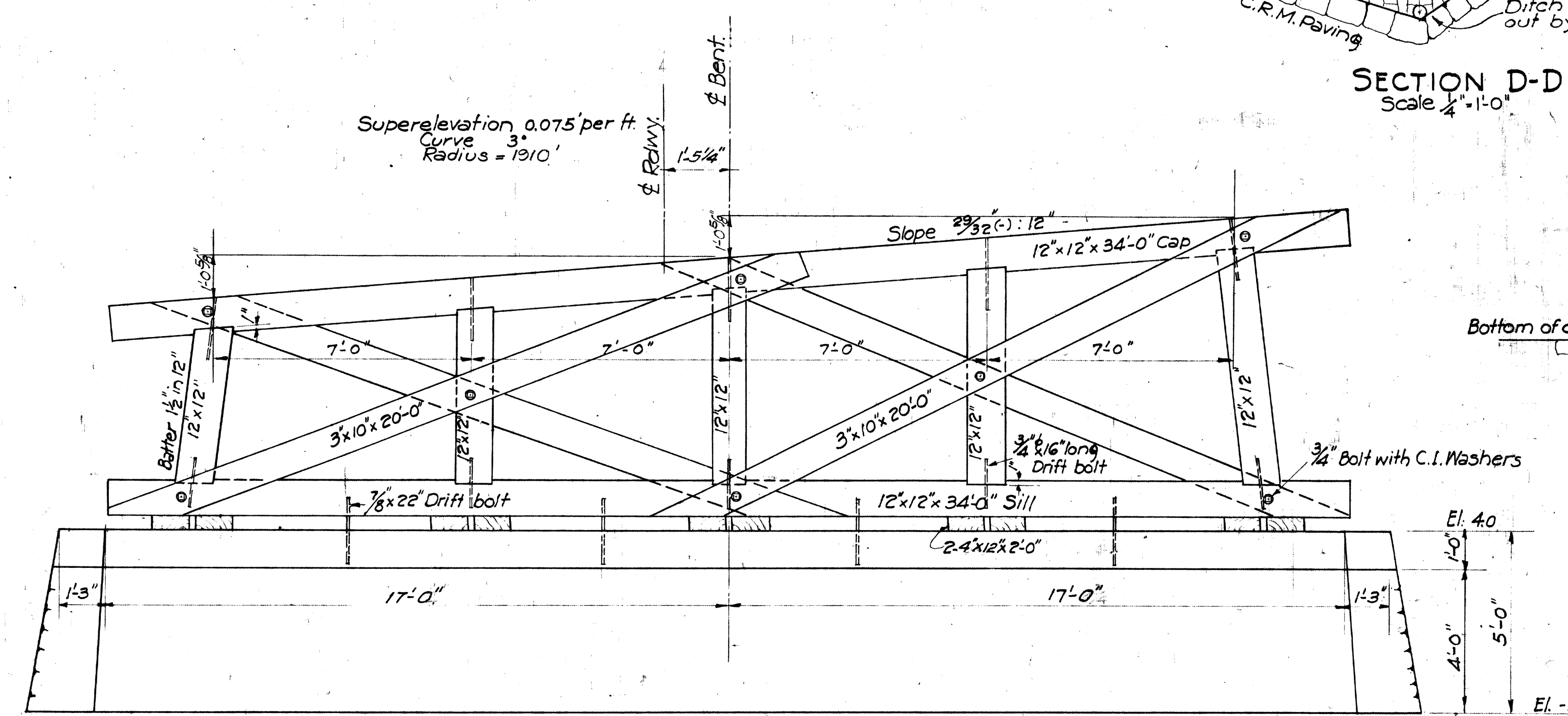
ELEVATION OF CONCRETE ABUTMENT
PLANTATION R.R. BRIDGE
Scale 3/8" = 1'-0"



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



SECTION A-A
Scale 3/8" = 1'-0"



SECTION OF BENT #1
Scale 3/8" = 1'-0"

NOTE: Bent #2 similar.
For elev. of Bent #2 Footing, see ELEVATION.

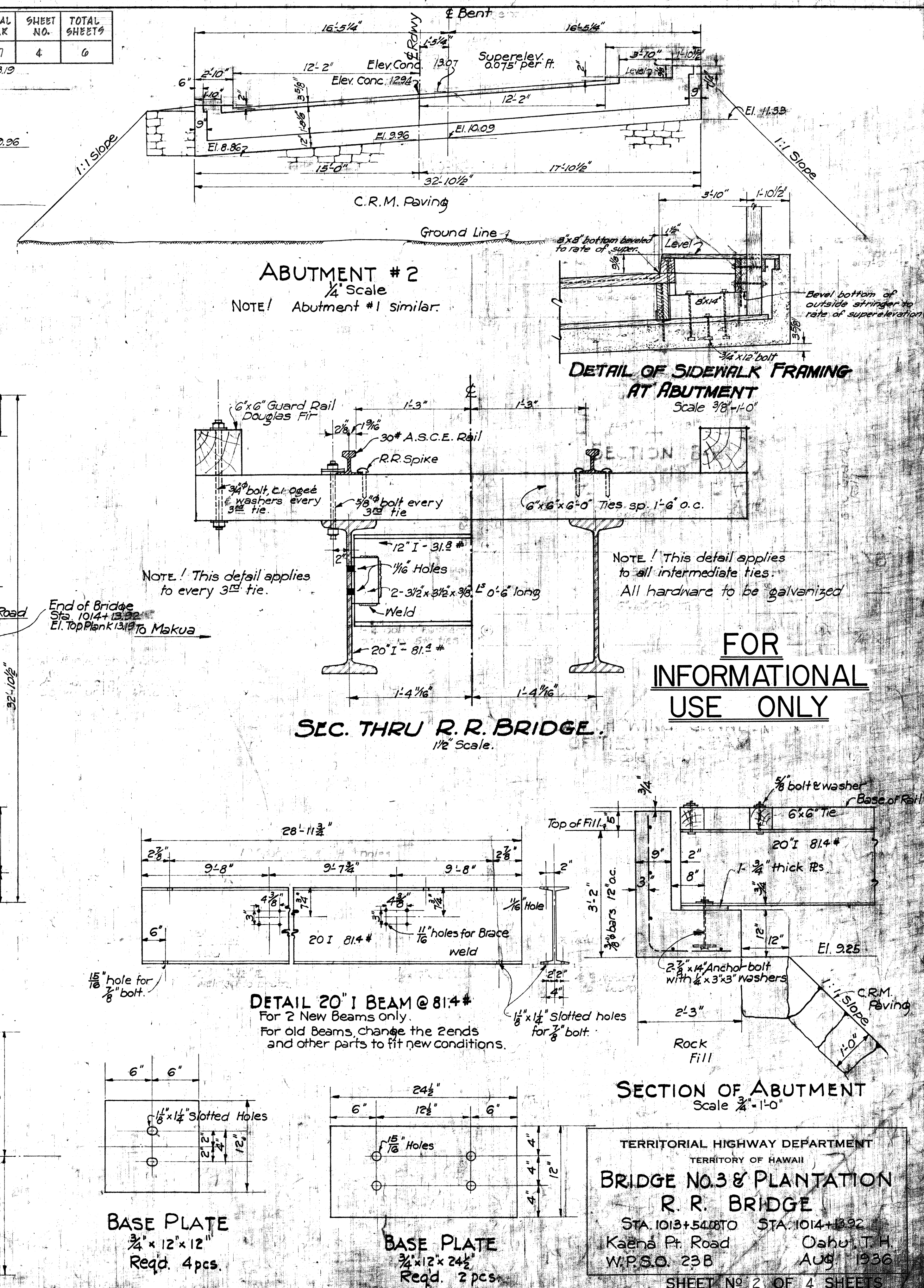
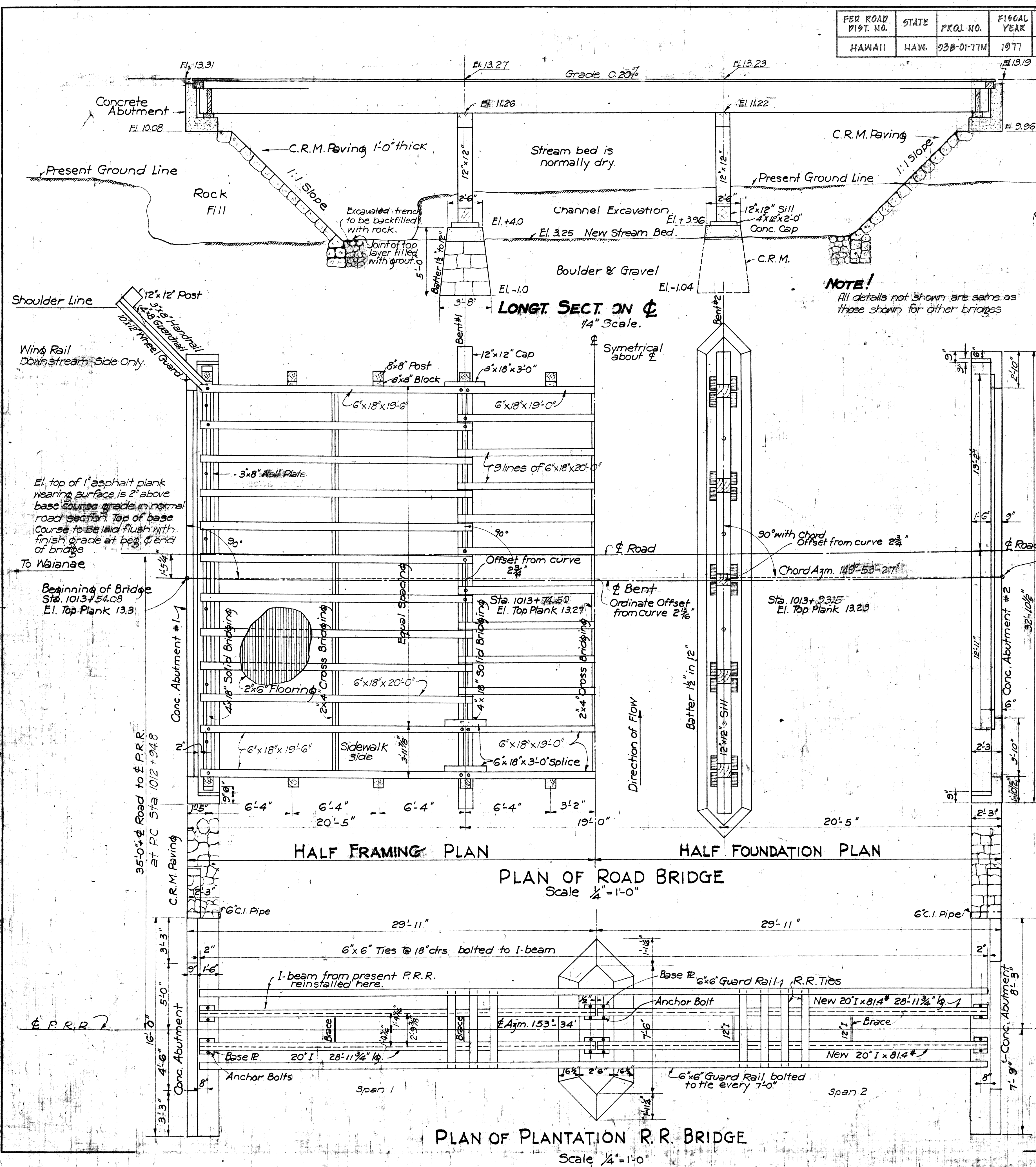
TIMBER - BILL OF MATERIAL					
MEMBER	No. REQD	SIZE & LENGTH	KIND OF LUMBER	MILL WORK	Ft. B.M.
Douglas Fir Coast Region					
Sill	2	12"x12"x34'-0"	1200°F Joist & Plank	SIS	816
Post	4	12"x12"x16'-0"	"	Rough	768
Cap	2	12"x12"x34'-0"	"	SIS	816
Solid Bridging	4	4"x18"x24'-0"	No. 1 dimension	SIE	576
Stringer	36	6"x18"x20'-0"	1600°F Joist & Plank	Ends sized for 12"	6,480
Splice Blocks	4	6"x18"x3'-0"	1200°F Joist & Plank	SIE	108
Decking (Floor)	1	1"x6"x26'-0"	1600°F Joist & Plank	SISIE	13
Decking (Floor)	426	2"x6"x26'-0"	1200°F Joist & Plank	SISIE	11,076
Bearing Blocks	20	4"x12"x2'-0"	1200°F Joist & Plank	SIS	160
Wheel Guard	3	8"x8"x20'-0"	1100°F Joist & Plank	SISIE	320
Wheel Guard	3	10"x12"x20'-0"	1100°F Joist & Plank	SISIE	600
Deck Starter	2	6"x6"x26'-0"	1600°F Joist & Plank	SISIE	156
Railing Post	10	8"x8"x10'-0"	1600°F Joist & Plank	S4S	540
Sidewalk Joist block	1	12"x4"x8'-0"	1100°F Joist & Plank	SIS	112
"	1	8"x8"x8'-0"	1100°F Joist & Plank	SIS	72
Railing	6	4"x8"x20'-0"	1200°F Joist & Plank	S4S	320
"	6	3"x8"x20'-0"	1200°F Joist & Plank	S4S	240
Guard Rail	1	3"x8"x18'-0"	1200°F Joist & Plank	S4S	96
Guard Rail	1	10"x12"x18'-0"	1200°F Joist & Plank	S4S	180
"	1	4"x8"x18'-0"	1200°F Joist & Plank	S4S	144
Guard Post	2	12"x12"x10'-0"	1200°F Joist & Plank	S4S	240
Cross Bridging	10	2"x4"x16'-0"	No. 1 dimension	Rough	1072
"	1	2"x4"x16'-0"	No. 1 dimension	Rough	112
Bracing	8	3"x10"x20'-0"	1200°F Joist & Plank	Rough	400
Corner Blocking	1	2"x6"x10'-0"	1100°F Joist & Plank	SIE	10
Splice Blocks	2	8"x18"x3'-0"	1200°F Joist & Plank	S2SIE (beveled)	72
Posts	3	12"x12"x10'-0"	1200°F Joist & Plank	Rough	648
Railroad Guard Rail	6	6"x6"x20'-0"	1600°F Joist & Plank	Rough	360
Railroad Ties	40	6"x6"x6'-0"	1600°F Joist & Plank	Rough	720
Sidewalk end timber	1	8"x8"x8'-0"	1100°F Joist & Plank	SISIE	144
Railing post blocks	8	8"x8"x1'-5/2"	1600°F Joist & Plank	S2SIE (beveled)	64
Wall plate	4	5"x8"x16'-0"	1200°F Joist & Plank	SIS	128
Splice block	4	6"x8"x3'-0"	1200°F Joist & Plank	SIS	48
Sidewalk plank	22	2"x8"x16'-0"	No. 1 dimension	SIS	268
"	1	2"x8"x18'-0"	No. 1 dimension	SIS	16
TOTAL					26,787

NOTE: - RAILROAD BRIDGE NOT INCLUDED
IN THIS CONTRACT

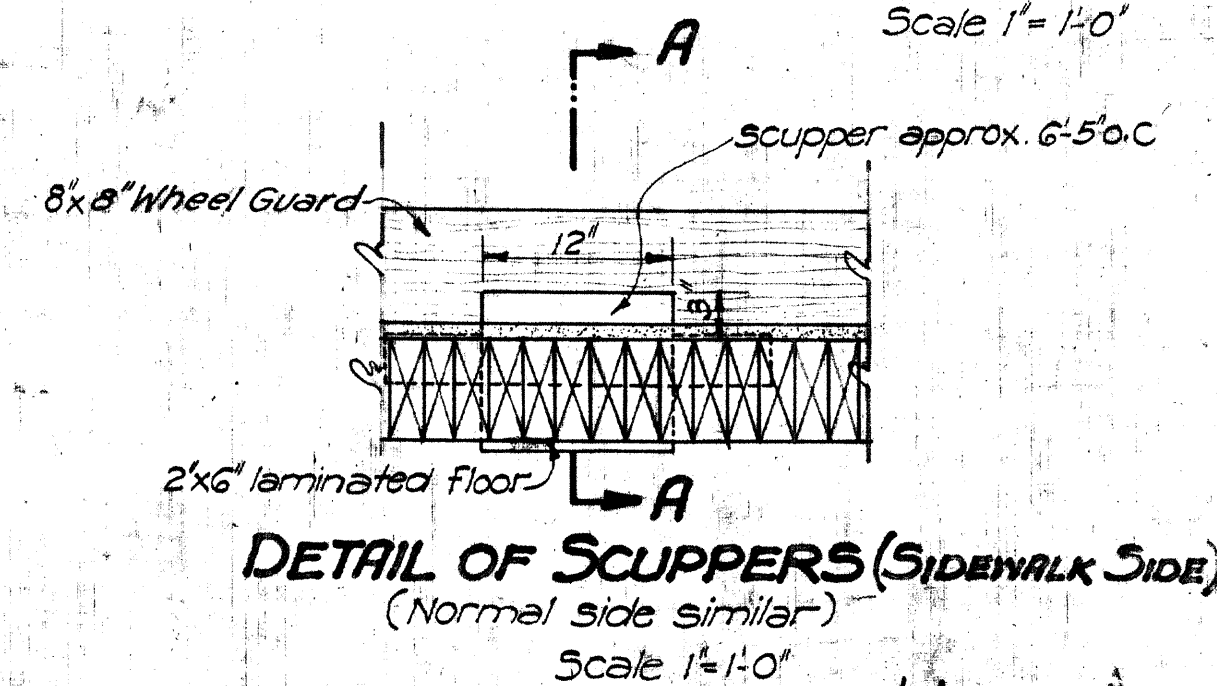
FOR INFORMATIONAL USE ONLY

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
BRIDGE No. 3 & PLANTATION R. R. BRIDGE
Sta. 1013+34.08 TO Sta. 1014+13.32
Kaena Pt. Road Oahu, T.H.
W.P.S. 238 Aug. 1936
SHEET No. 1 OF 4 SHEETS

FED ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93B-01-77M	1977	4	6



TIMBER BILL OF MATERIAL



**PLAN SHOWING GALV. IRON
AT SCUPPERS**
Scale 1/2"=1'-0"



FOR INFORMATIONAL USE ONLY

BRIDGE No 2

STA. 933+40 To 933+99.84

Kaena Pt Rd. Oahu

WPSO 23B Sept 1936

SHEET NO 3 OF 4 SHEETS

