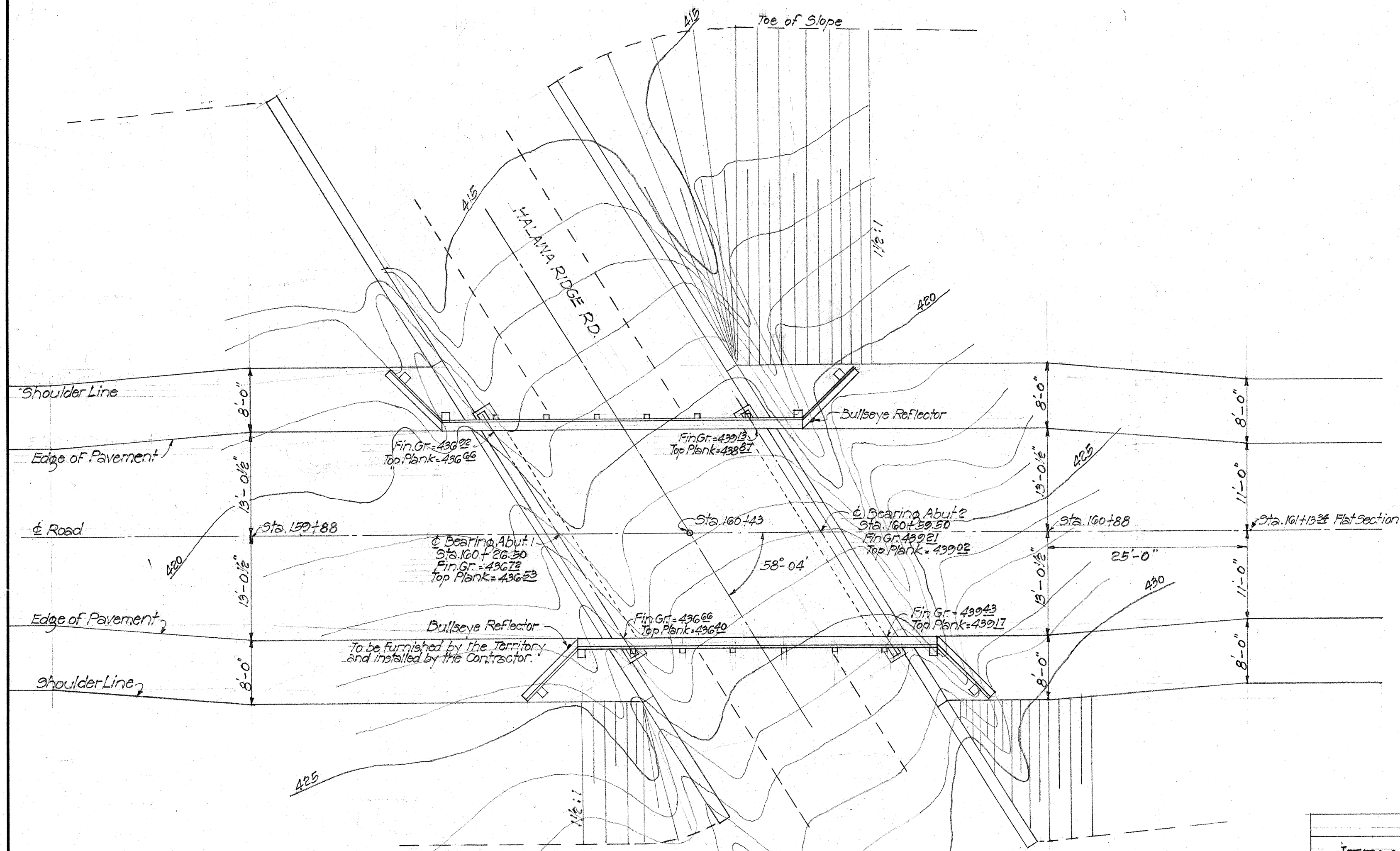


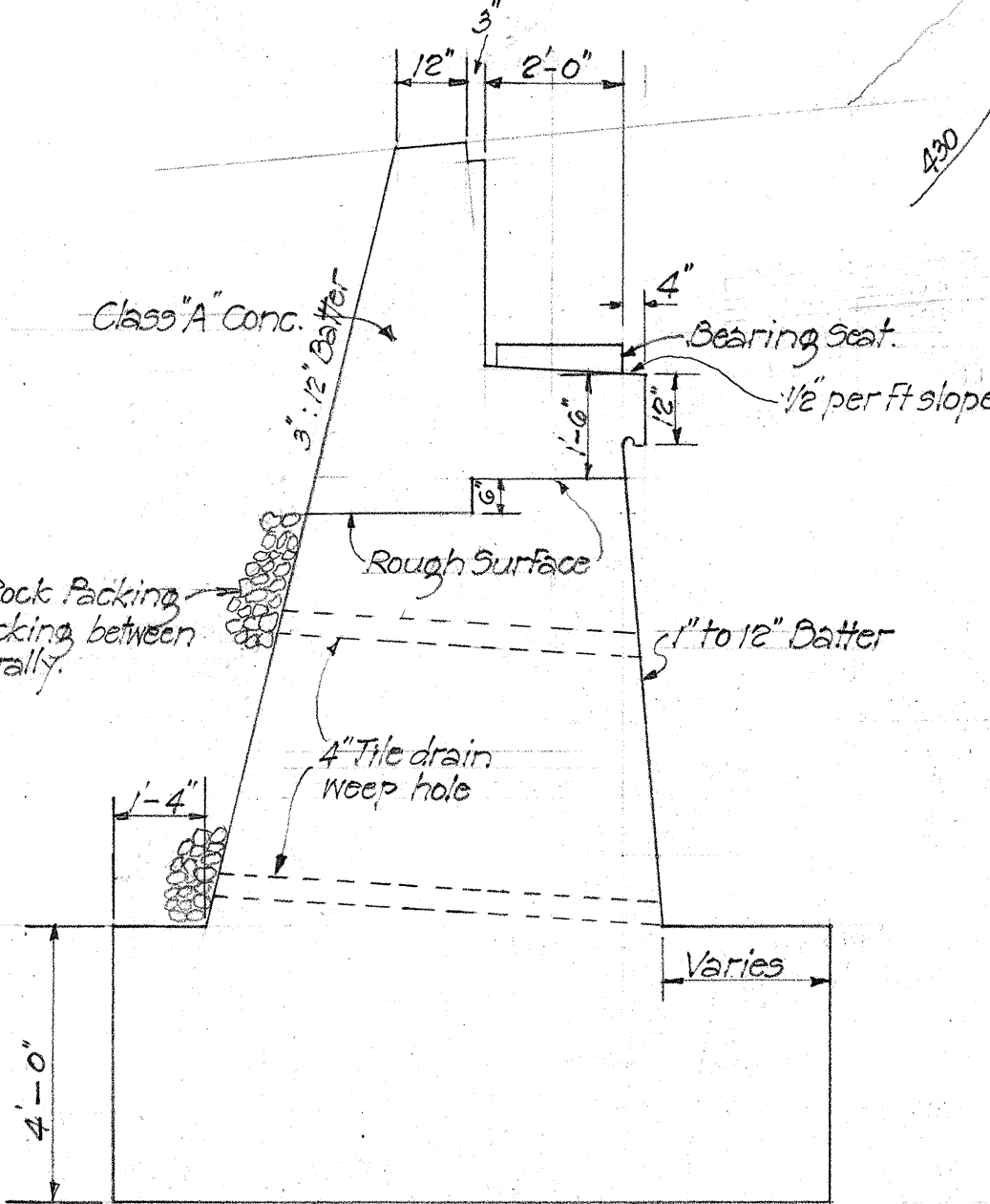


LAYOUT PLAN
1" = 10'-0"

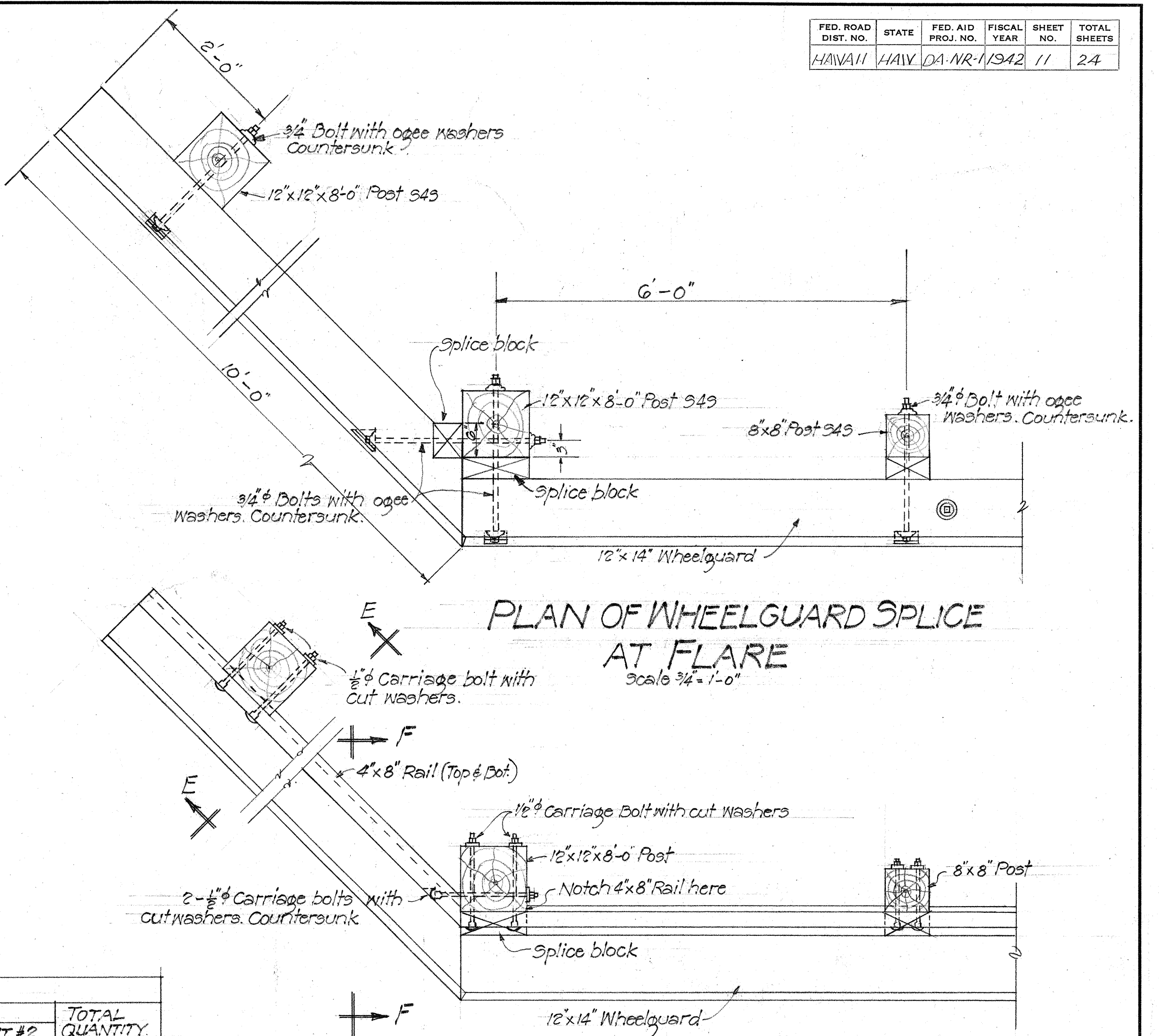
ITEM	LOCATION			TOTAL QUANTITY
	SUPERSTR.	ABUT. #1	ABUT. #2	
Untreated Timber	19,790 F.B.M.			19,790 F.B.M.
Class 'A' Concrete		18.9 C.Y.	18.9 C.Y.	37.8 C.Y.
C.R.M.		480.2 C.Y.	448.3 C.Y.	928.5 C.Y.
Str. Exc.		387.0 C.Y.	348.0 C.Y.	735.0 C.Y.
Asph. Conc. Pavement				16.0 Tons
3-Ply 30 lb. Bit Waterproofing				1,072.0 Sq. Ft.

TIMBER BILL OF MATERIAL

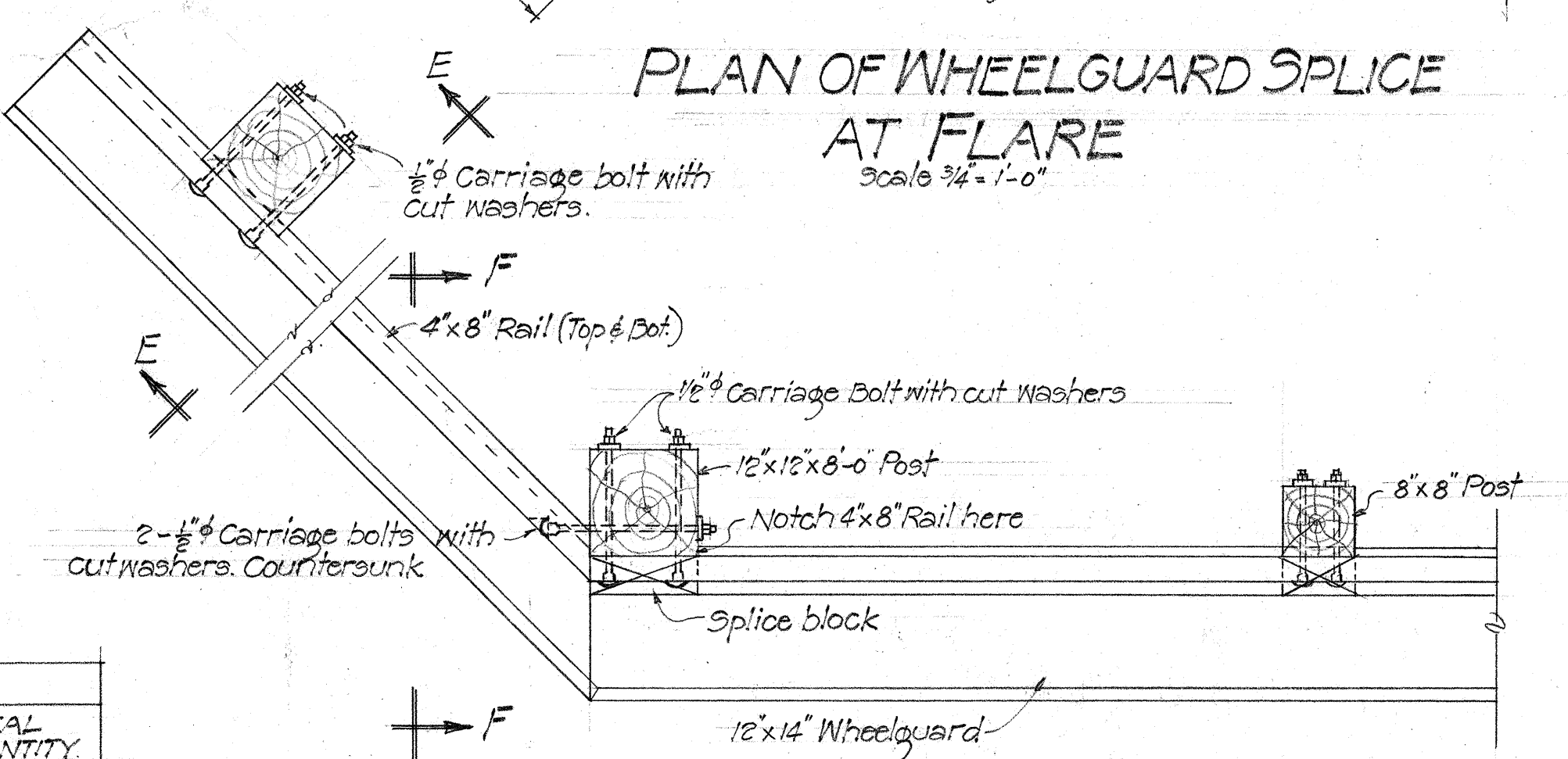
DOUGLAS FIR COAST REGION					
MEMBER	NO REQD	SIZE & LENGTH	KIND OF LUMBER	MILLWORK	FT. B.M.
Sill	2	12" x 12" x 36'-0"	No. 1 Timbers, Posts & Timbers	S13	864
Stringers	12	12" x 24" x 36'-0"	Select Struct. Beams & Stringers	Rough, Shaped Ends	10,368
Decking (Floor)	30	4" x 12" x 34'-0"	" " Joist & Plank	S13	4,080
Wheelguard	2	12" x 14" x 20'-0"	No. 1 Timbers, Posts & Timbers	S1E Beveled	560
"	2	12" x 14" x 28'-0"	" " " "	"	784
Wheelguard at Flare	4	12" x 14" x 10'-0"	" " " "	"	560
Solid Bridging	8	4" x 12" x 18'-0"	No. 1 Dimension Joist & Plank	Rough	576
Railing Post	12	8" x 8" x 6'-0"	Select Struct. Posts & Timbers	343	384
Guard Rail Post	8	12" x 12" x 8'-0"	" " " "	"	768
Guard Railing	8	4" x 8" x 10'-0"	" " Joist & Plank	343	214
Br. Railing	2	3" x 8" x 20'-0"	" " " "	"	80
"	2	3" x 8" x 26'-0"	" " " "	"	104
"	2	4" x 8" x 20'-0"	" " " "	"	107
"	2	4" x 8" x 26'-0"	" " " "	"	139
Railing Post Filler Blocks	3	10" x 8" x 8'-0"	No. 1 Dimension Joist & Plank	Rough, cut to fit	160
Guard Rail Post Filler Blocks	1	6" x 6" x 6'-0"	" " " "	" " "	18
" " " " "	1	4" x 12" x 6'-0"	" " " "	" " "	24
Total					19,790



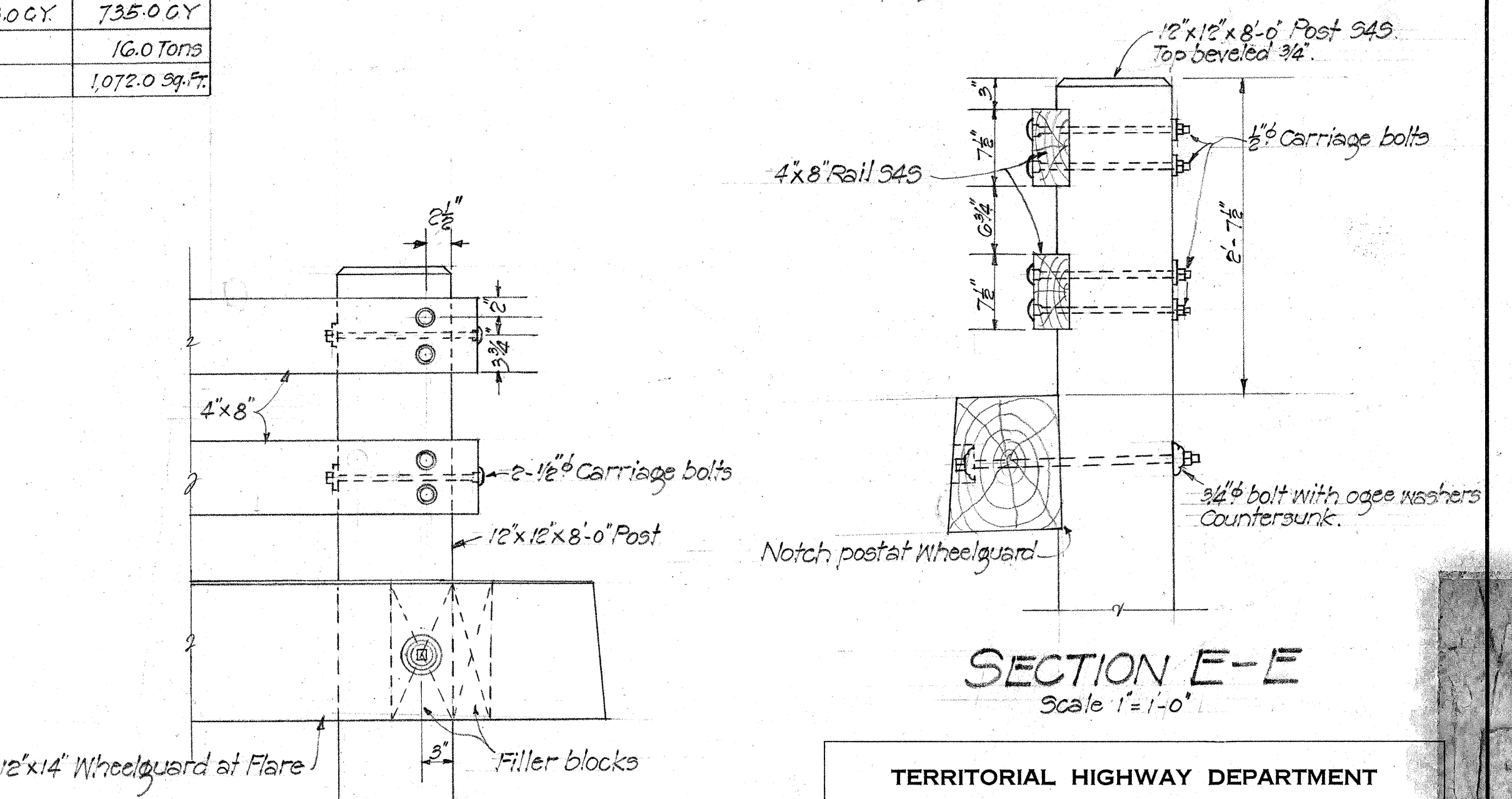
NORMAL SECT. OF ABUT.
3/8" = 1'-0"



PLAN OF WHEELGUARD SPLICE AT FLARE
Scale 3/4" = 1'-0"



DETAIL RAIL SPLICE AT FLARE
Scale 3/4" = 1'-0"



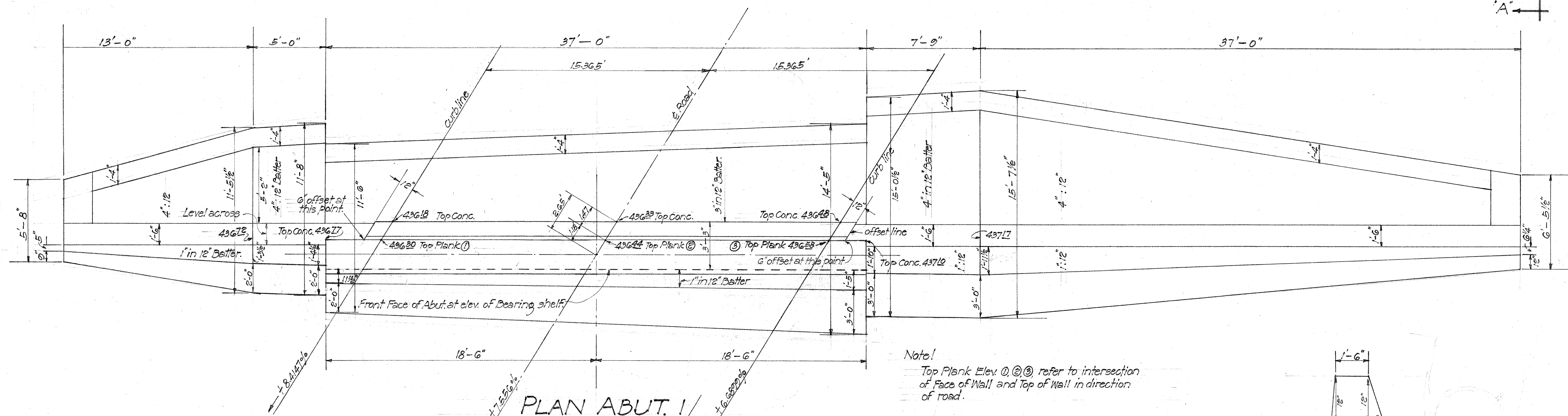
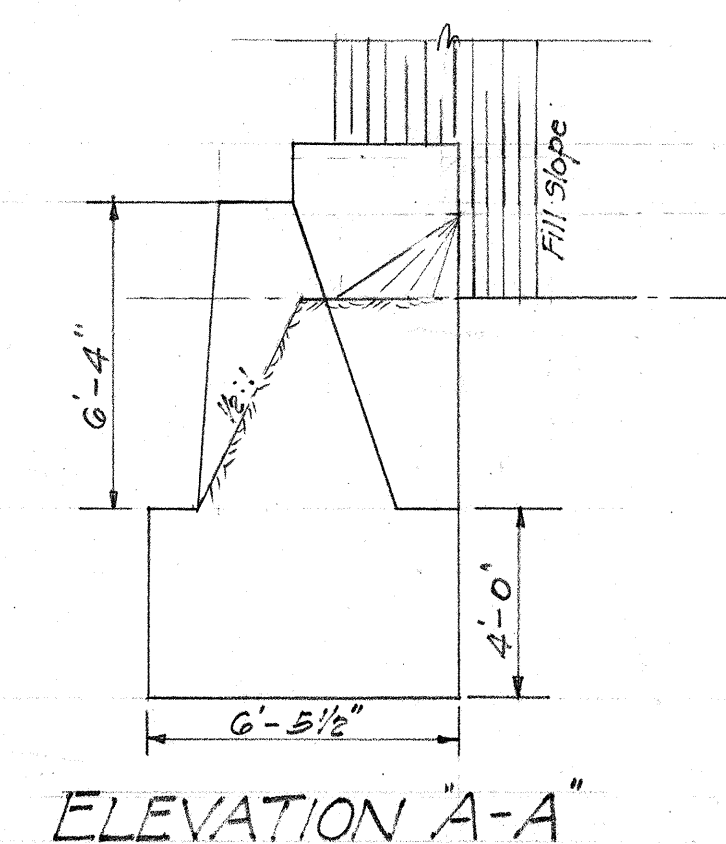
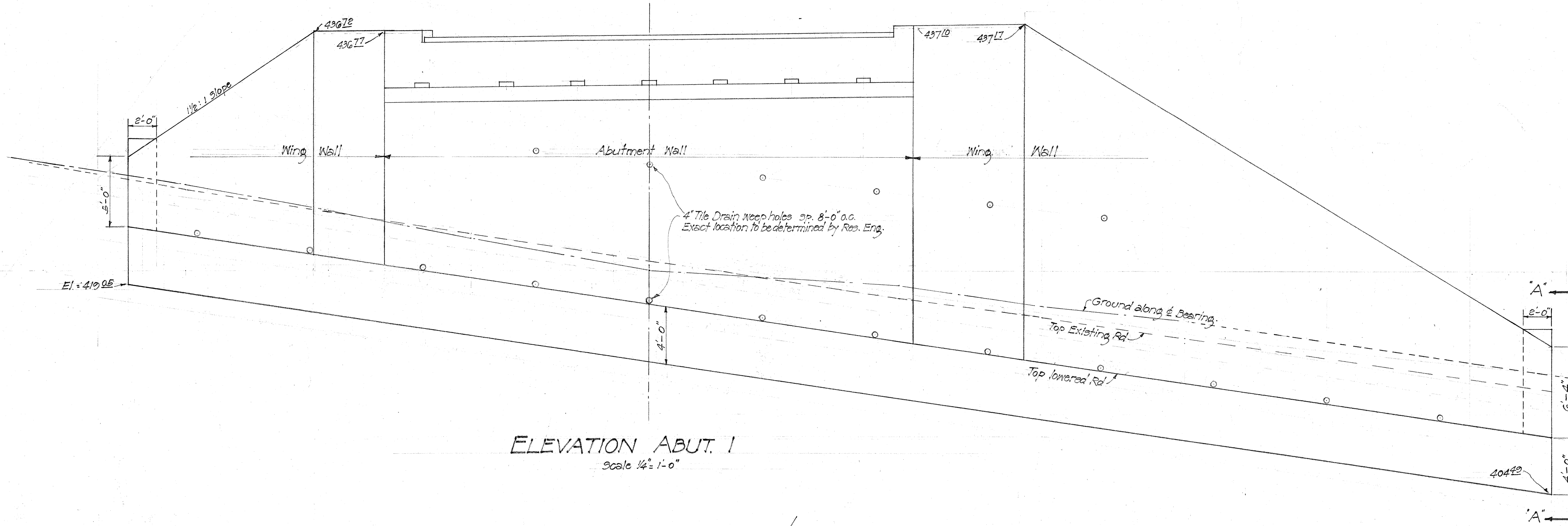
SECTION E-E
Scale 1" = 1'-0"

SECTION F-F
Scale 1" = 1'-0"

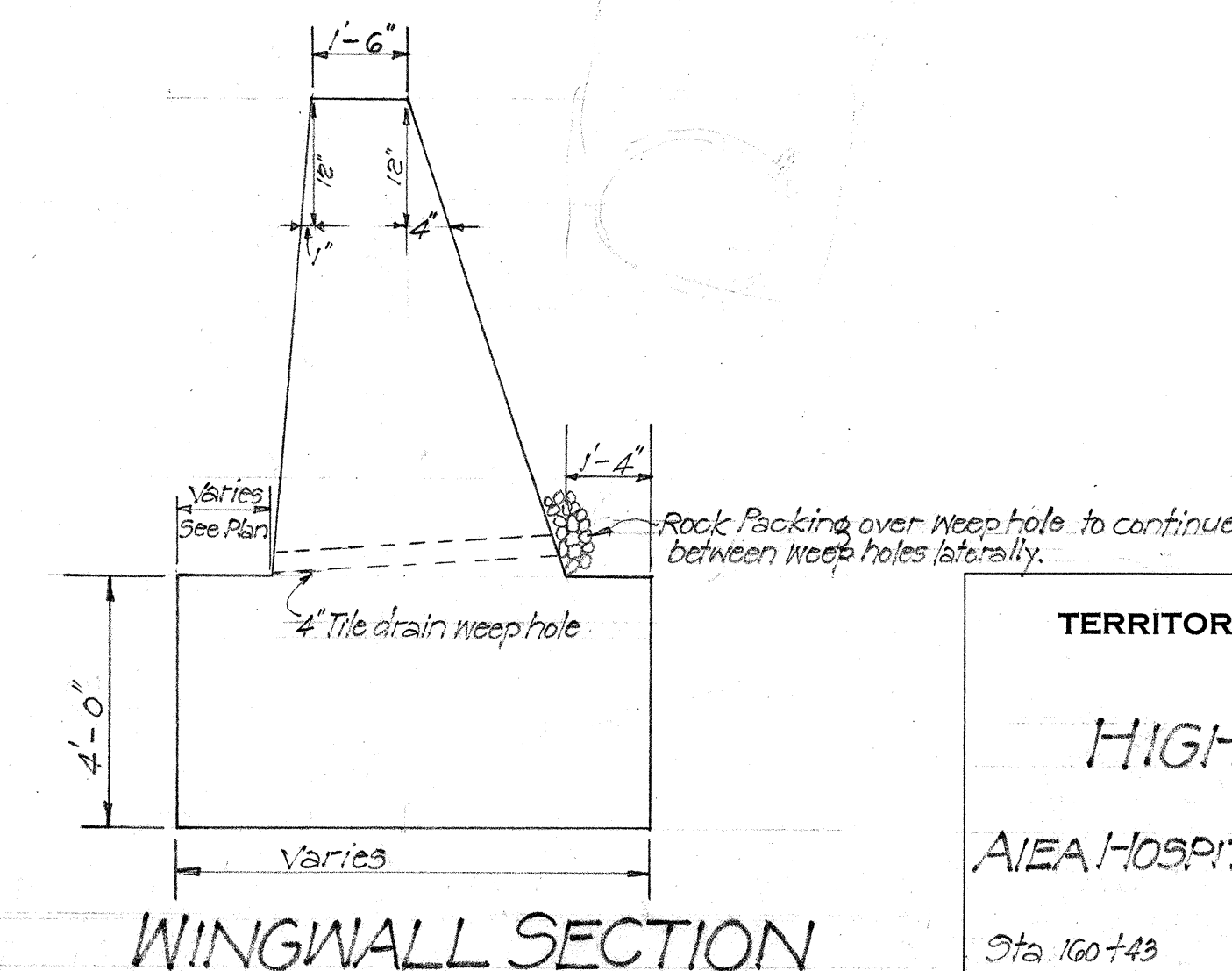
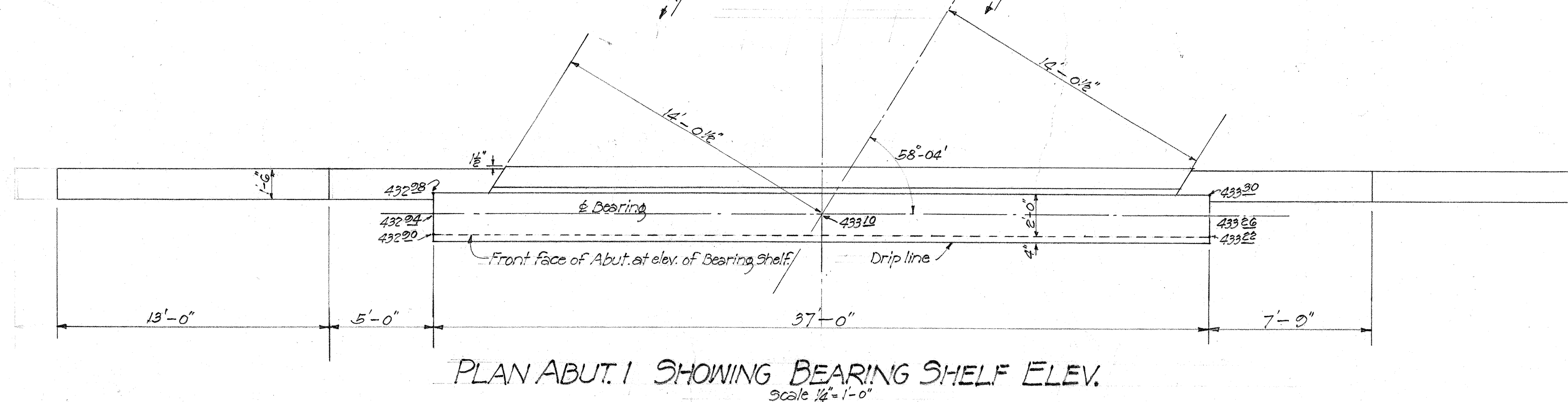
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY OVERPASS
AIEA HOSPITAL ACCESS RD D.A.N.R.
Sta. 160+43 Mar. 1942.

SHEET No 1 OF 6 SHEETS

5103.11



Note:
Top Plank Elev. ①, ②, ③ refer to intersection of Face of Wall and Top of Wall in direction of road.



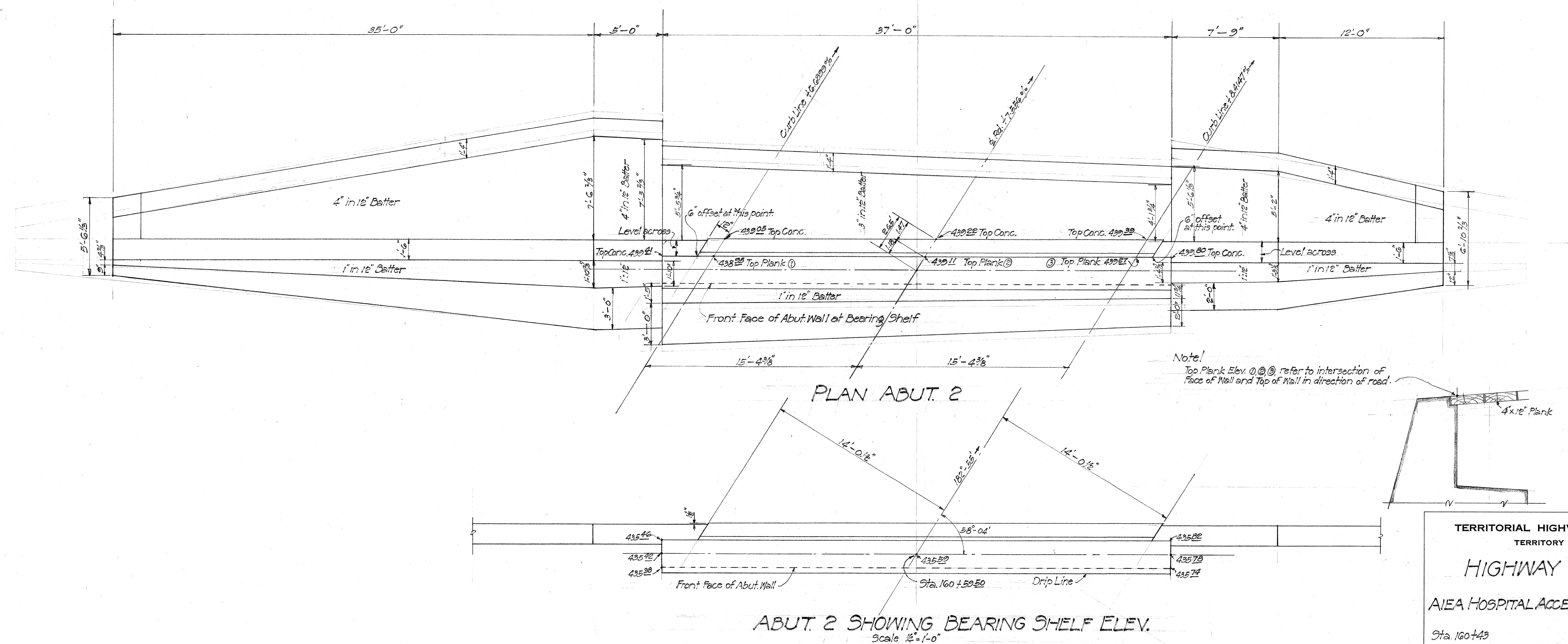
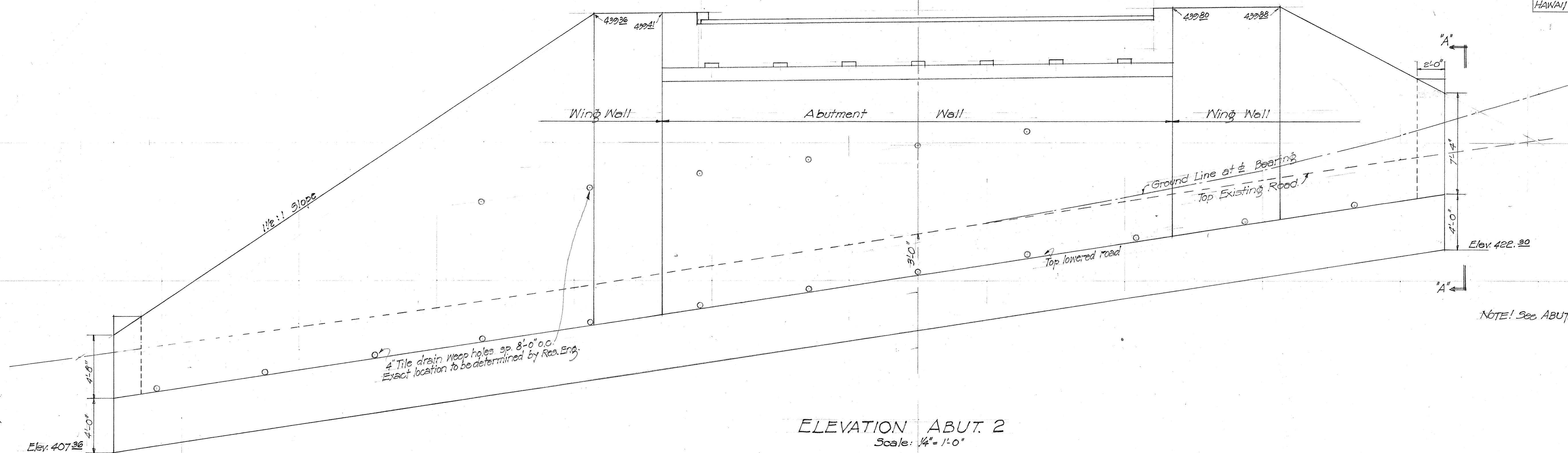
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY OVERPASS
AIEA HOSPITAL ACCESS RD. D.A.N.R.1
Sta. 160+43 Mar. 1942

SHEET No 2 OF 6 SHEETS

5103.12

ORIGINAL	SURVEY PLOTTED BY	DATE
PLAN	DESIGNED BY	
NOTE BOOK	TRACED BY	
	QUANTITIES CHECKED BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	DA-NR1	1942	13	24



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

HIGHWAY OVERPASS

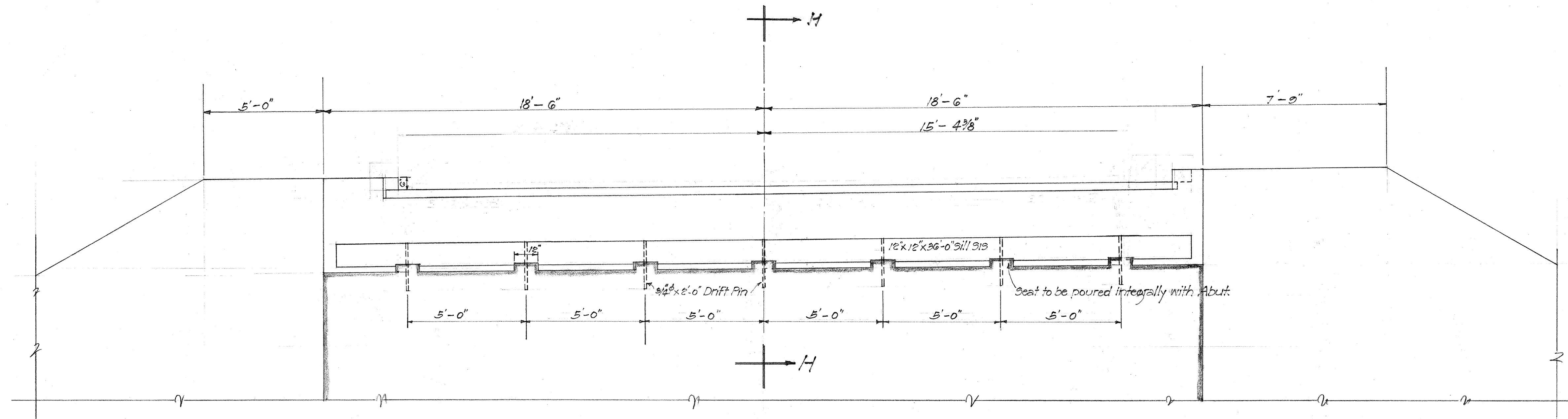
AI EA HOSPITAL ACCESS RD. D.A.N.R.1

Sta. 160+43 Mar. 1942

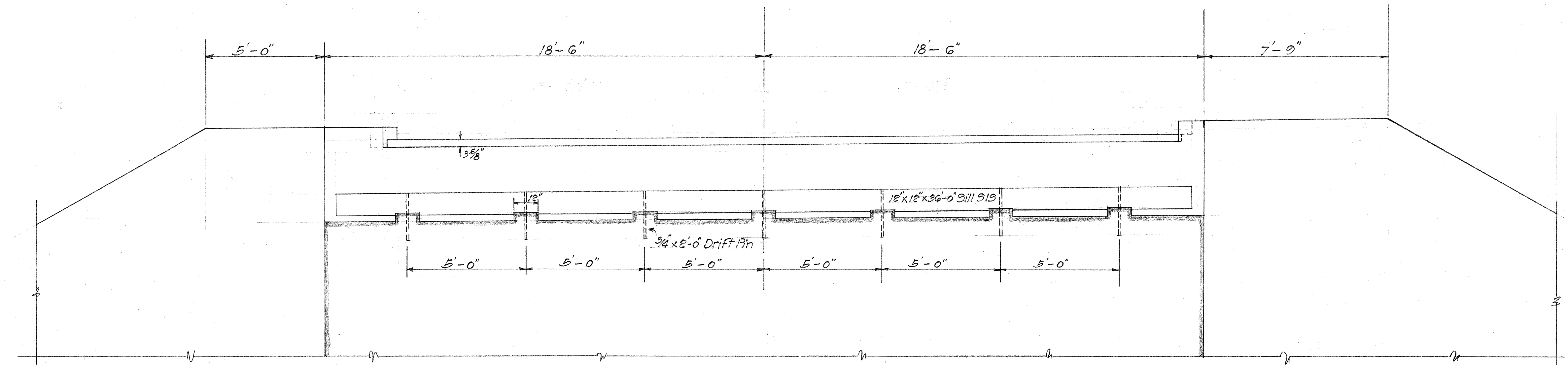
SHEET No. 3 OF 6 SHEETS

5103.13

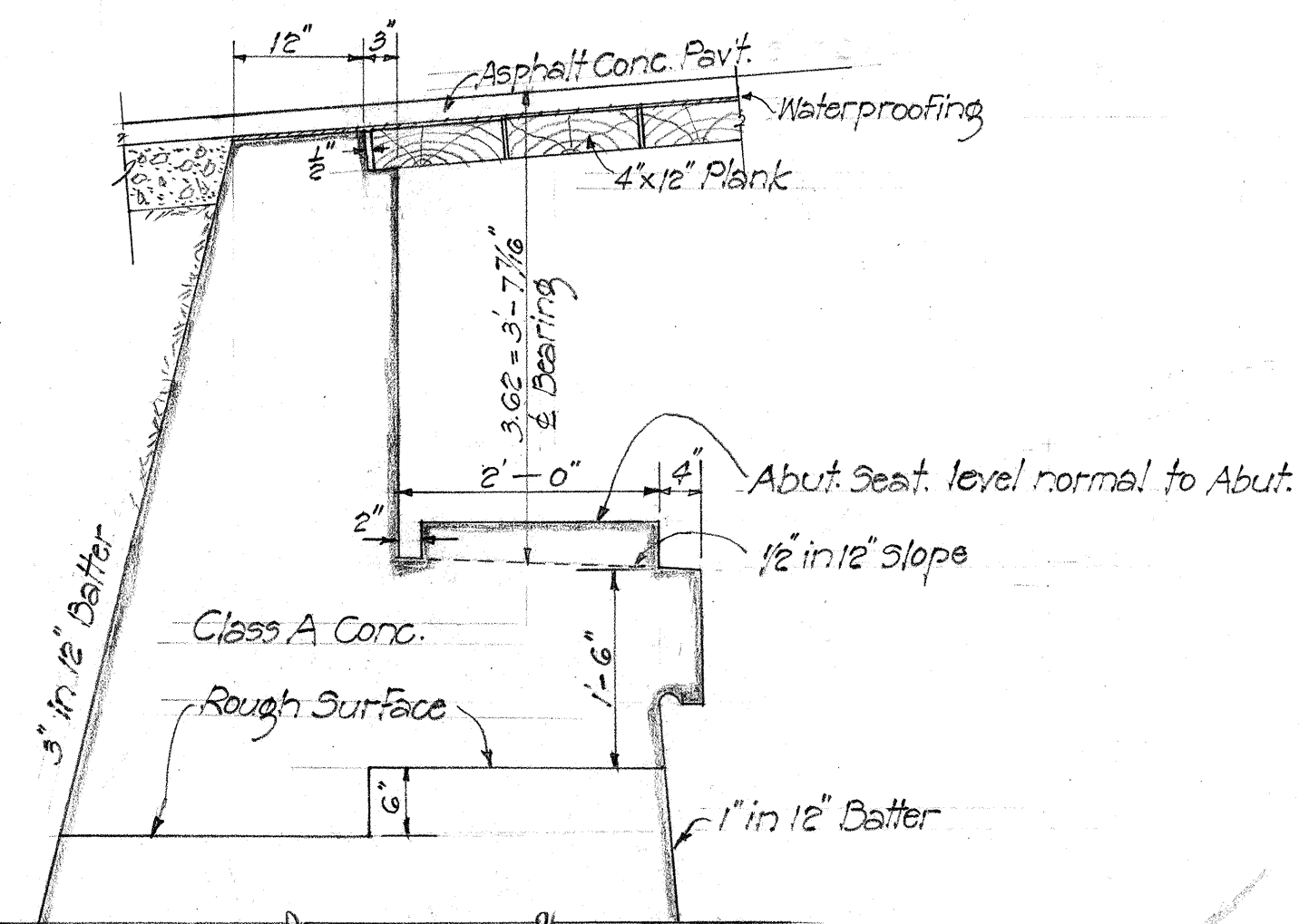
SURVEY PLOTTED BY	DATE
PLAN	" 3/22
TRACED BY	"
QUANTITIES BY	"
CHECKED BY	"
No.	"



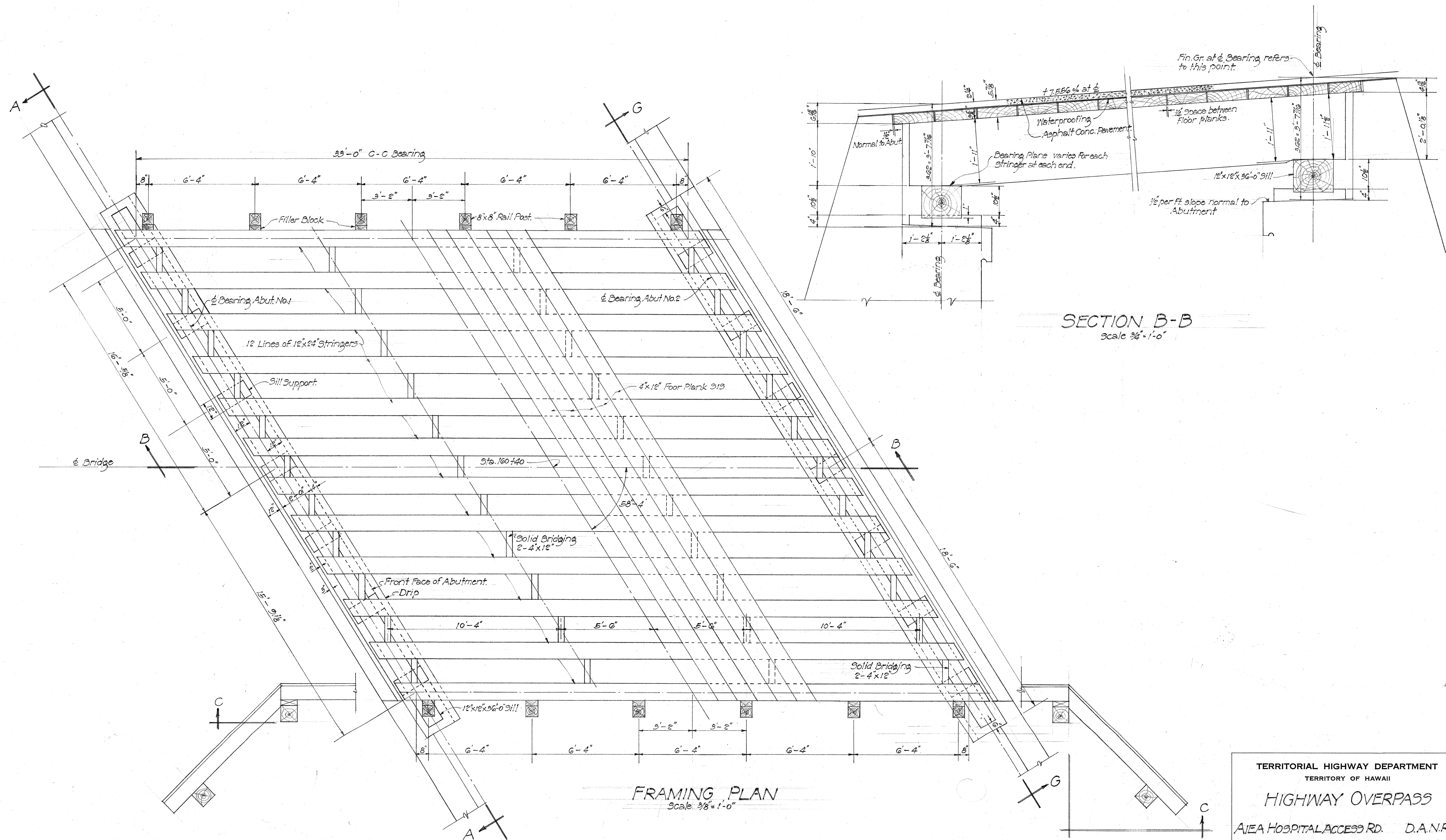
ABUT. NO. 1 SECTION A-A
Scale 3/8" = 1'-0"



ABUT. NO. 2 SECTION G-G
Scale 3/8" = 1'-0"



NORMAL SECTION H-H
Scale 3/8" = 1'-0"



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

HIGHWAY OVERPASS

AIEA HOSPITAL ACCESS RD. D.A.N.R. 1

Sta. 160+43 Mar. 1942

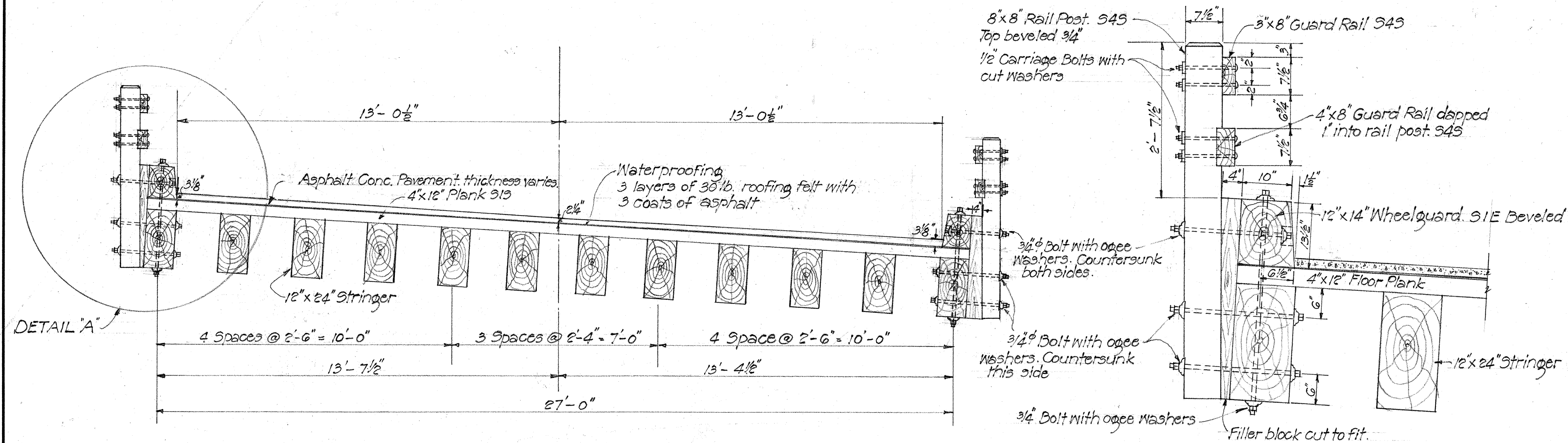
SHEET No 5 OF 6 SHEETS

5103.15

SURVEY PLOTTED BY DATE
DESIGNED BY 3/22
DRAWN BY
TRACED BY
QUANTITIES BY
CHECKED BY

ORIGINAL PLAN
NOTE BOOK
No.

Revised: Apr. 1942

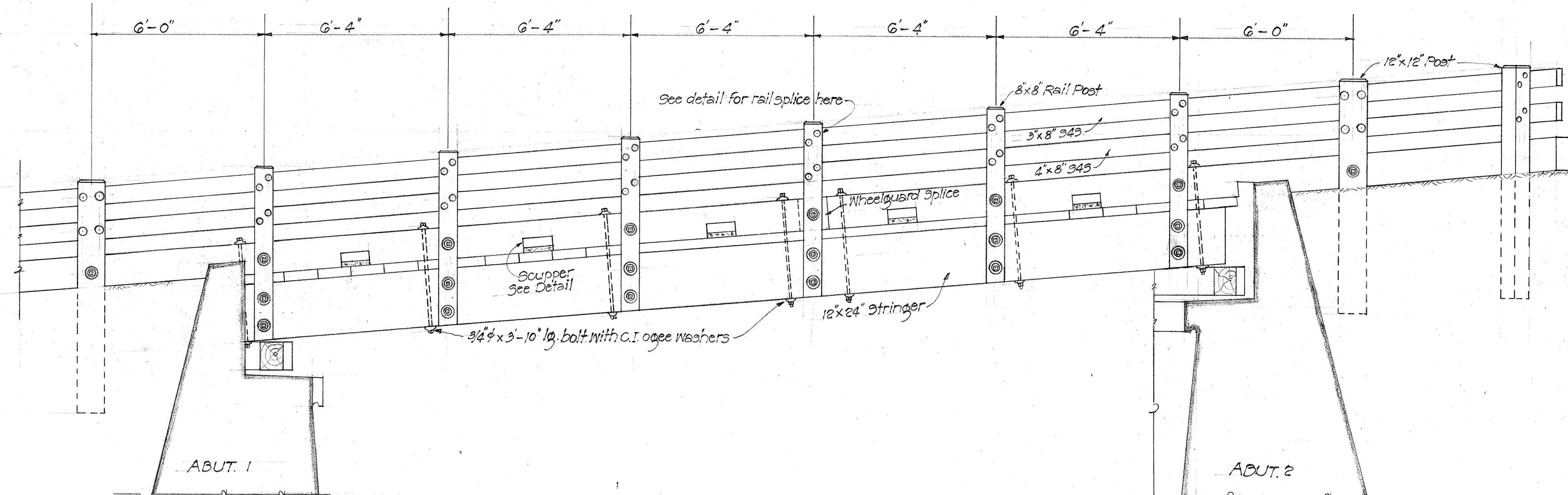


NORMAL SECTION
Scale 3/8" = 1'-0"

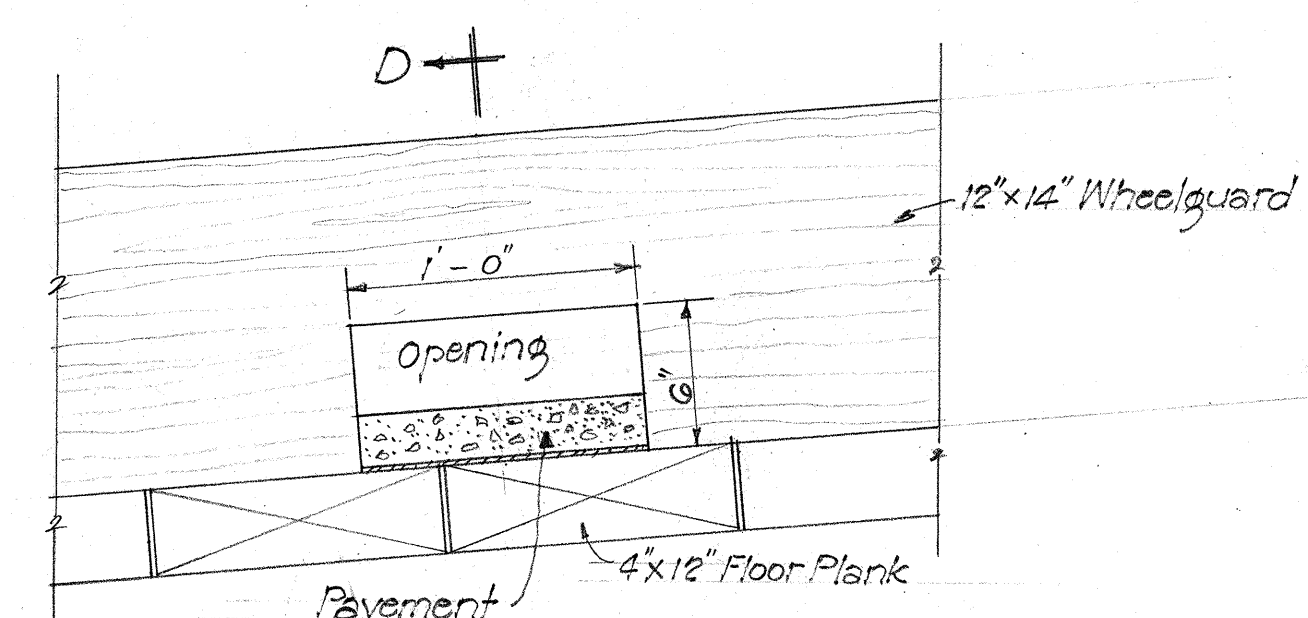
DETAIL 'A'
Scale 3/4" = 1'-0"

PLAN WHEEL GUARD SPLICE
Scale 3/4" = 1'-0"

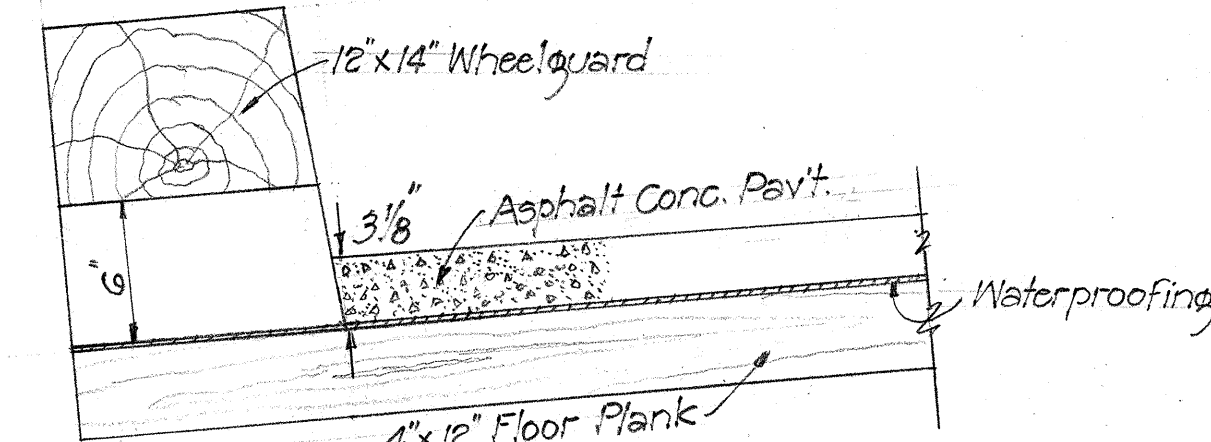
DETAIL GUARD RAIL SPLICE
Scale 3/4" = 1'-0"



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



ELEV. OF SCUPPER
Scale 1/2" = 1'-0"



SECTION D-D
Scale 1/2" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

HIGHWAY OVERPASS

AIEA HOSPITAL ACCESS RD. D.A.N.R. 1

Sta. 160+43

Mar. 1942

SHEET No 6 OF 6 SHEETS

5103.16

Revision:
Change made in type of
waterproofing

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	3/25/42
DRAWN BY	3/25/42
NOTED BY	
QUANTITIES CHECKED BY	
CHECKED BY	