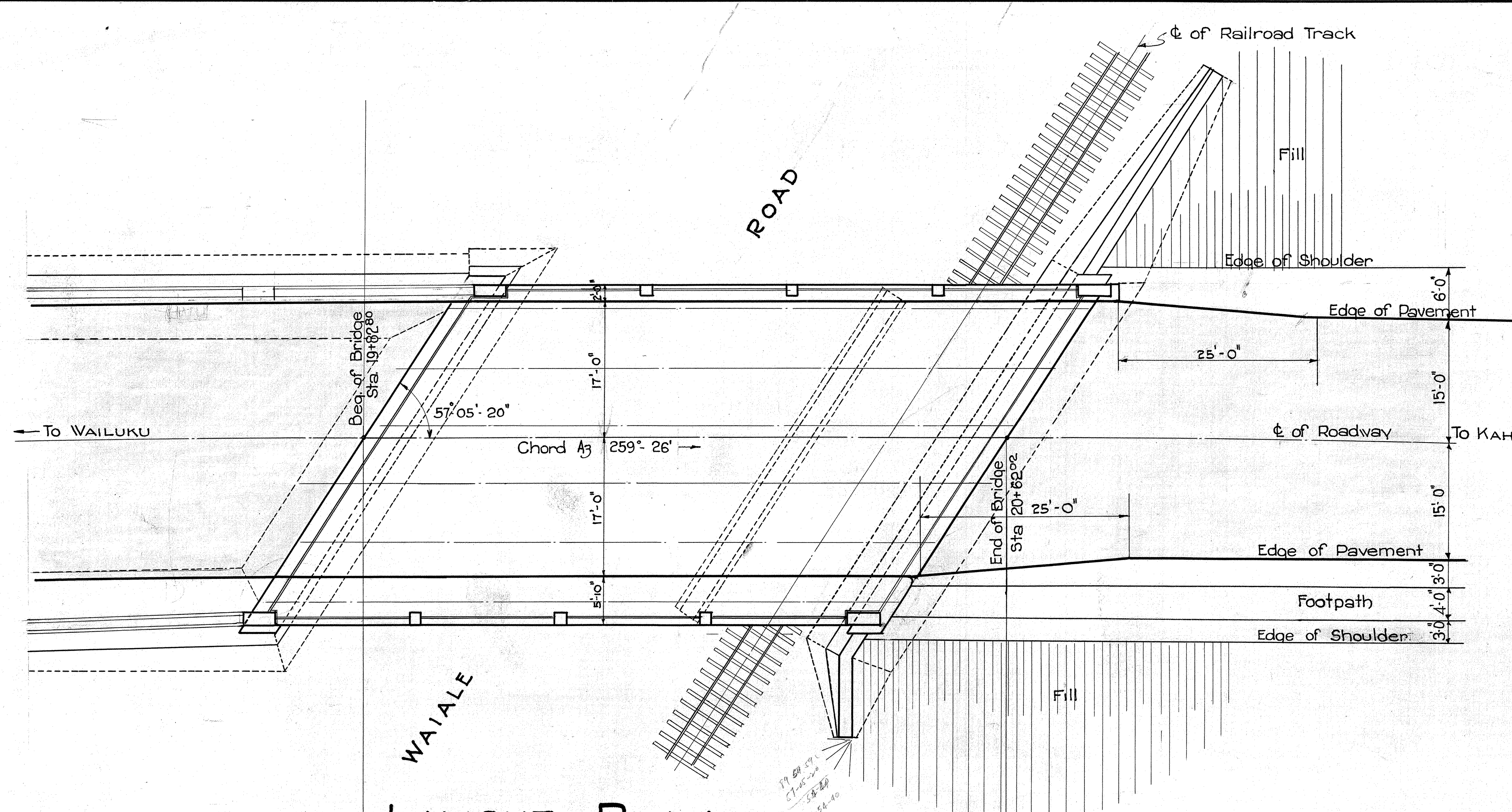
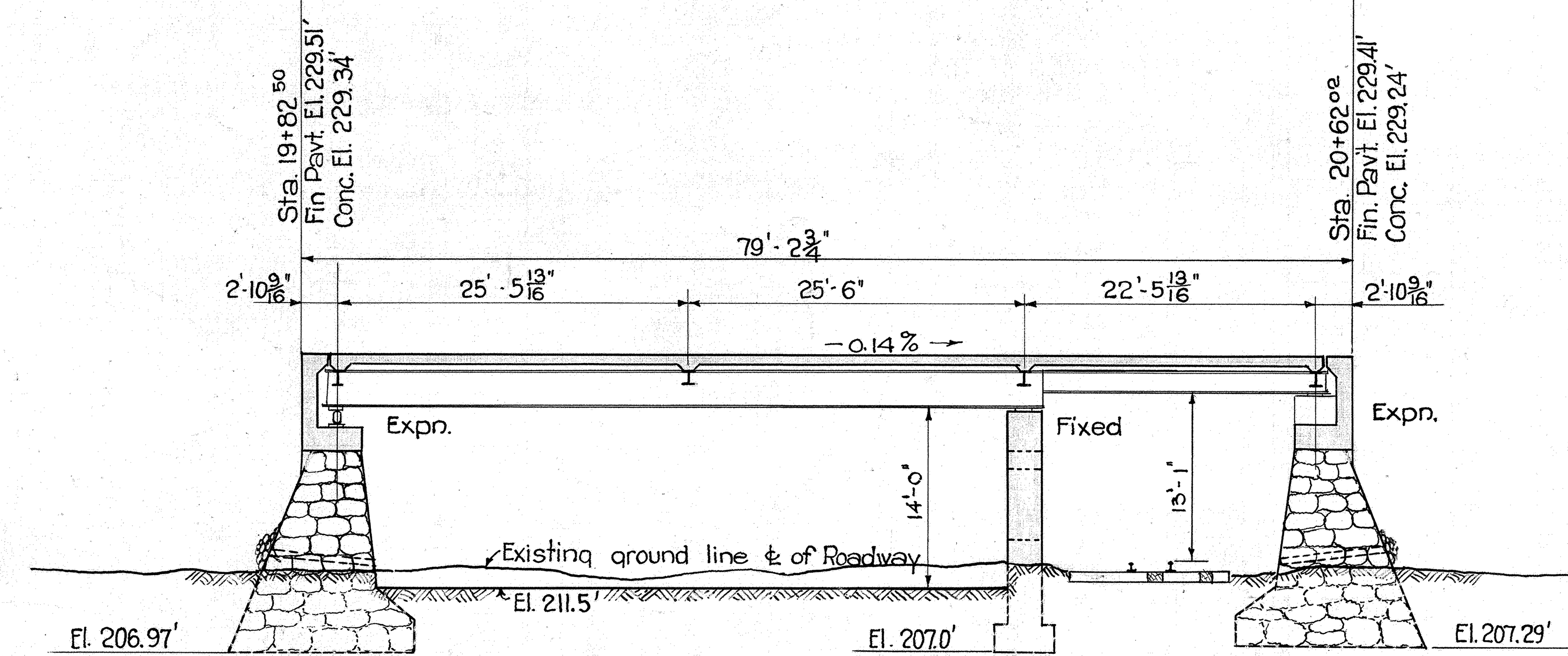
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.R.G.M. 13-H	1935	8	14



Layout Plan
Scale 1" = 10'



Section at ℄ of Roadway
Scale 1" = 10'

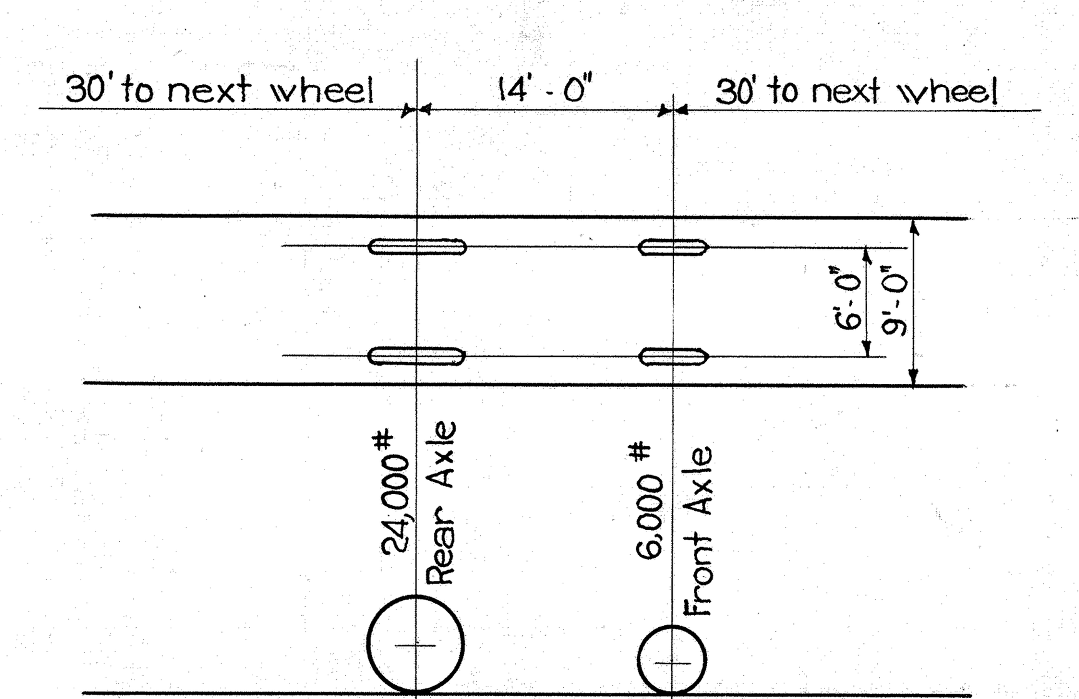


Diagram of Typical 15 Ton Truck

General Notes

Dead Load: Concrete 150# per cubic foot.
Live Load: Train of 15 ton trucks in two traffic lanes. Impact allowance = $\frac{50}{L+125}$. Spacing of trucks as per diagram.
Concrete: Class "A" (1:2:4) with all exposed edges chamfered ¾" unless otherwise noted. Allowable compression 750# per square inch.
Brush Coat Waterproofing: Remove all projections, cement film, dirt, etc. and apply waterproofing as specified. Waterproofing is incidental to the concrete used, and will not be paid for separately.
Construction Joints: All construction joints to have surface roughened and 1:2 cement grout applied immediately before second pour.
Reinforcing Steel: Intermediate grade; allowable tensile stress 18,000# per square inch. All steel to be round or square deformed bars of approved design. All dimension relating to reinforcement are to centers of bars unless otherwise noted. Where splicing of reinforcement is necessary bars are to be lapped 40 diameters and splices are to be staggered. No allowance will be made in the quantities for extra weight of steel required for splicing. Unless otherwise noted, the minimum covering measured from the surface of concrete to the face of any steel shall be not less than 2½" in abutments and 1¼" in slab. Steel to be held rigidly and accurately in place before and during placing of concrete.
Structural Steel: All structural steel to be "medium grade" (A.S.T.M. A-7 34). Allowable fs = 18,000# per square inch. Bearing units to be cast steel. Steel castings shall conform to the requirements of the standard specification (serial designation A-27-24) of the A.S.T.M. or latest revision thereof. Rivets sizes to be as indicated on plans. Rivet steel to be (A.S.T.M. A141-33). Shop assembly and reaming of girder splices required. Floor beam connections shall be drilled to an iron template. All structural steel shall be given one shop coat of red lead paint. First and second field coat shall be aluminum paint. All shop plans must be approved by the Engineer before fabrication is started.
Backfill: Backfill of abutments to be completed before placing of superstructure.

Quantities

Location	Unclass. Ex.	Struct. Ex.	C.R.M.	Class A Conc.	Reinf. Steel	Struct. Steel	Phosphor Bronze
Footing		422.0. C.Y.		11.9 C.Y.			
Abutments & Pier			579.2 CY	96.2	16289 ~~10,936.~~#		
Superstructure				93.9	16481 ~~16,160.~~#	83,600#	313#
Railing & Posts				4.6	827 ~~509.~~		
	444.0 C.Y.						
Total	444.0 C.Y.	422.0 C.Y.	579.2 C.Y.	206.6 C.Y.	27597 ~~27,605.~~#	83,600#	313#

1/22/36 H.M.

ORIGINAL PLAN	SURVEY PLOTTED BY		DATE
	DESIGNED BY	W.R.B.	Oct. 35
NOTE BOOK	DRAWN BY	R.E.S.	"
	TRACED BY	R.E.S.	"
No.	QUANTITIES BY	H.C.	"
	CHECKED BY	W.R.B.	"

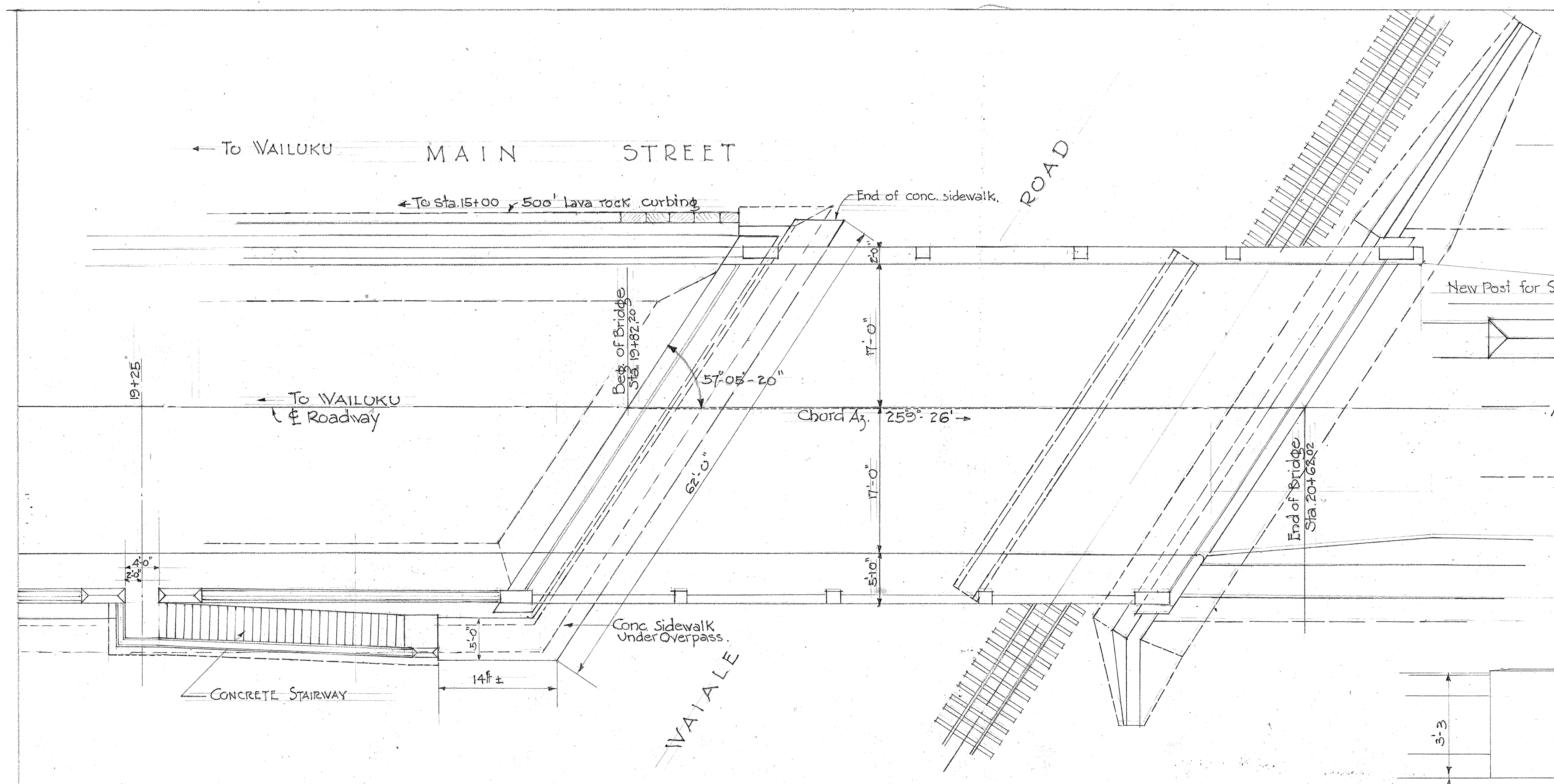
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

Waiale R.R. Overpass
Sta. 20
Wailuku Kahului Road

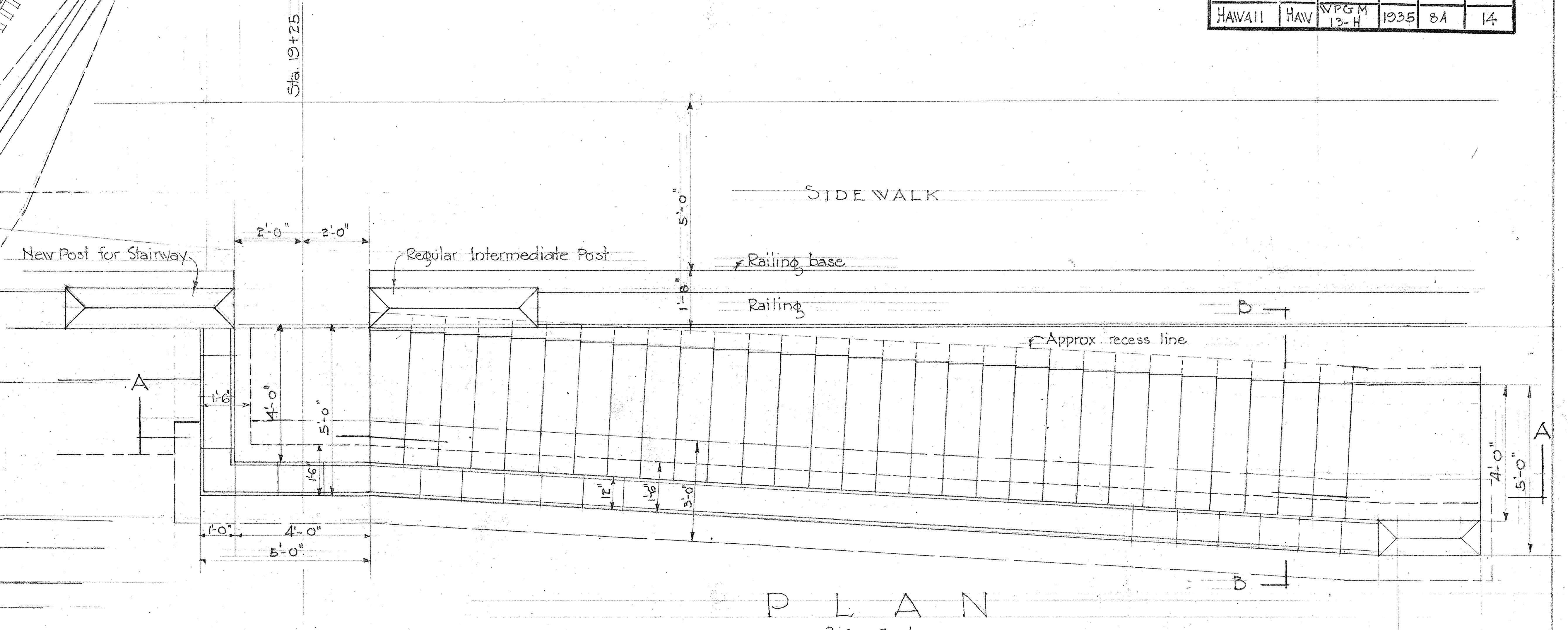
Sheet No 1 of 5 Sheets

4347.S

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.G.M. 13-H	1935	8A	14

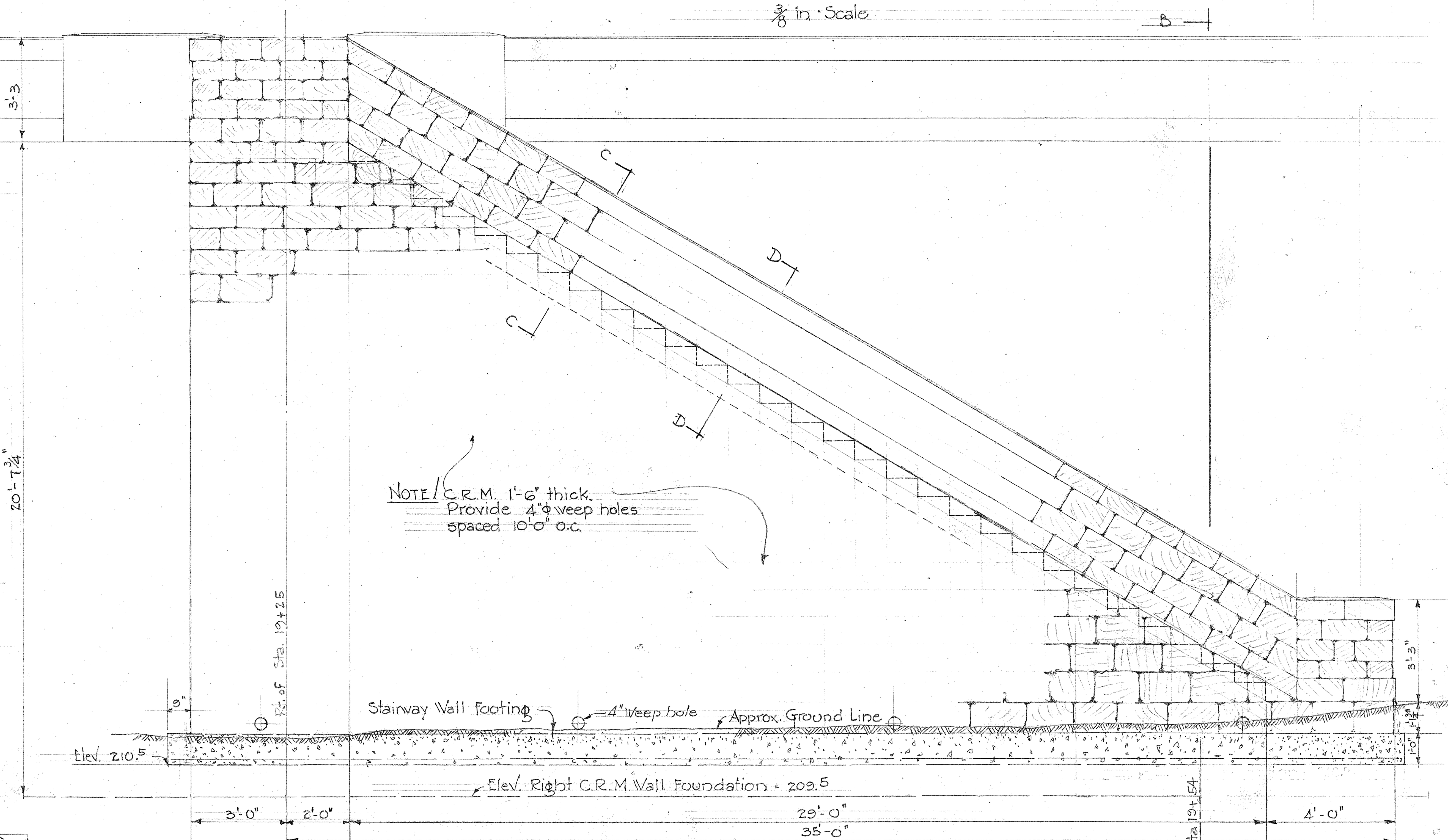


LAYOUT PLAN
Scale: 1"=10'

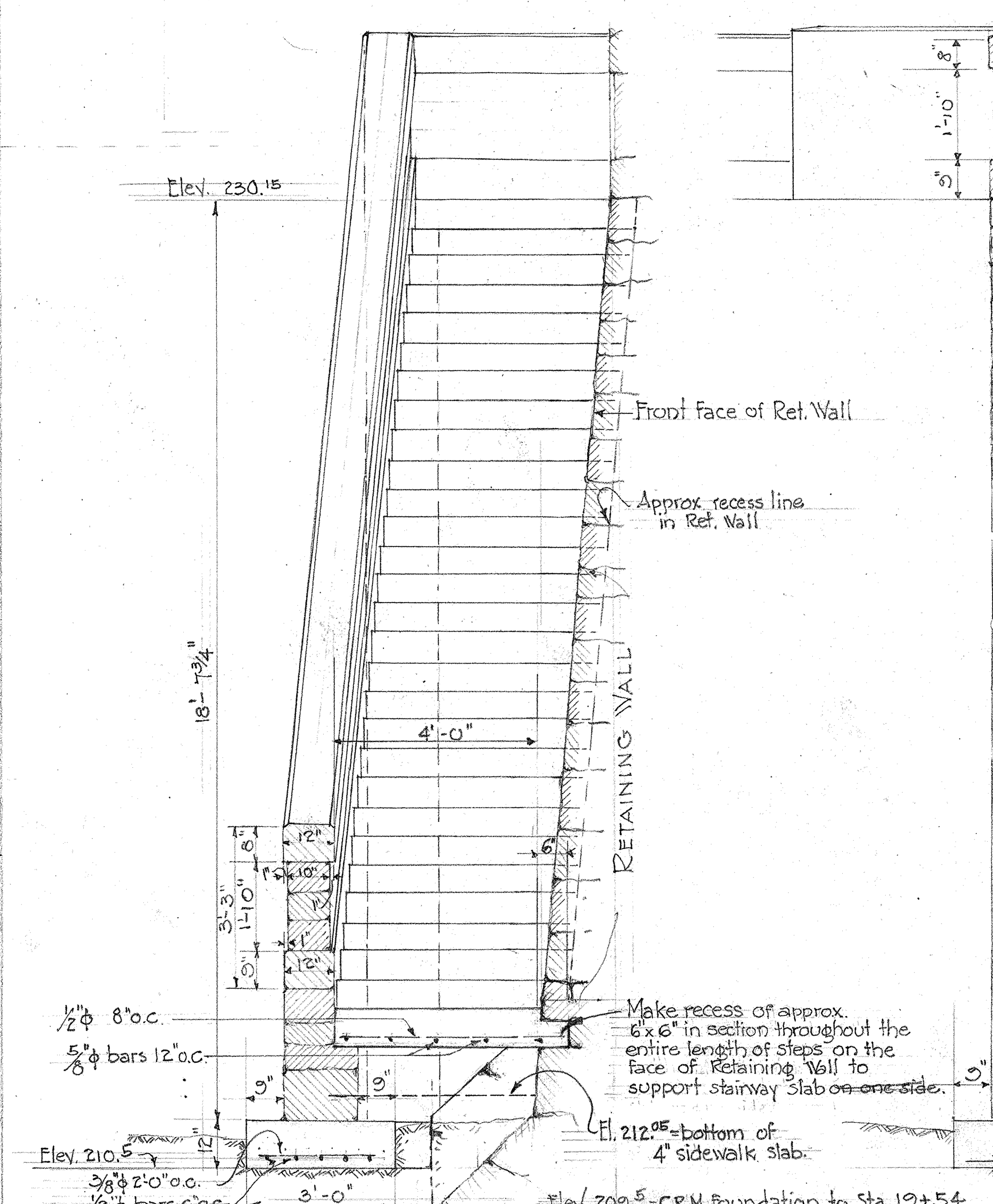


PLAN
3/8 in. Scale

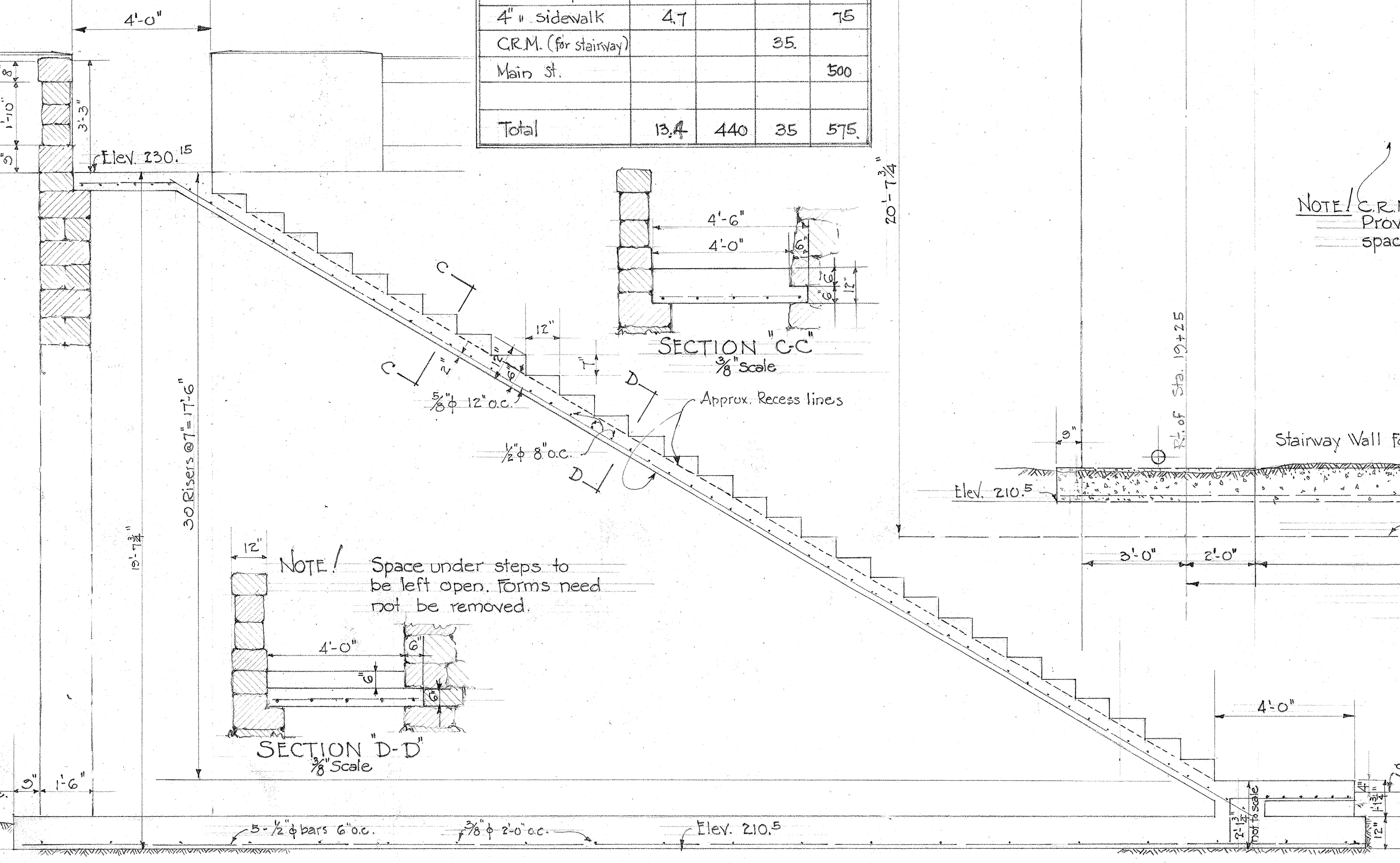
ESTIMATED QUANTITIES				
Items	Class "A" Conc. Cu.Yd.	Reinf. Steel Lbs.	C.R.M. Cu.Yd.	Lava Rock Curbing Lin ft
Conc. Ftg.	4.5	440		
" Steps	4.2			
4" " sidewalk	4.7			75
C.R.M. (for stairway)			35.	
Main st.				500
Total	13.4	440	35	575



ELEVATION
3/8 in. Scale



SECTION B-B
3/8 in. Scale



SECTION "C-C"
3/8" Scale

NOTE! Space under steps to be left open. Forms need not be removed.

SECTION "D-D"
3/8" Scale

SECTION A-A
3/8 in. Scale

ORIGINAL PLAN		DATE
SURVEY PLOTTED BY	D.F. Balch	3-5-36
	H.Y.M.	3-31-36
TRACED BY		
QUANTITIES BY	D.F.B. & H.Y.M.	Mar. 36
CHECKED BY		
NOTEBOOK No.		

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

STAIRWAY DETAILS

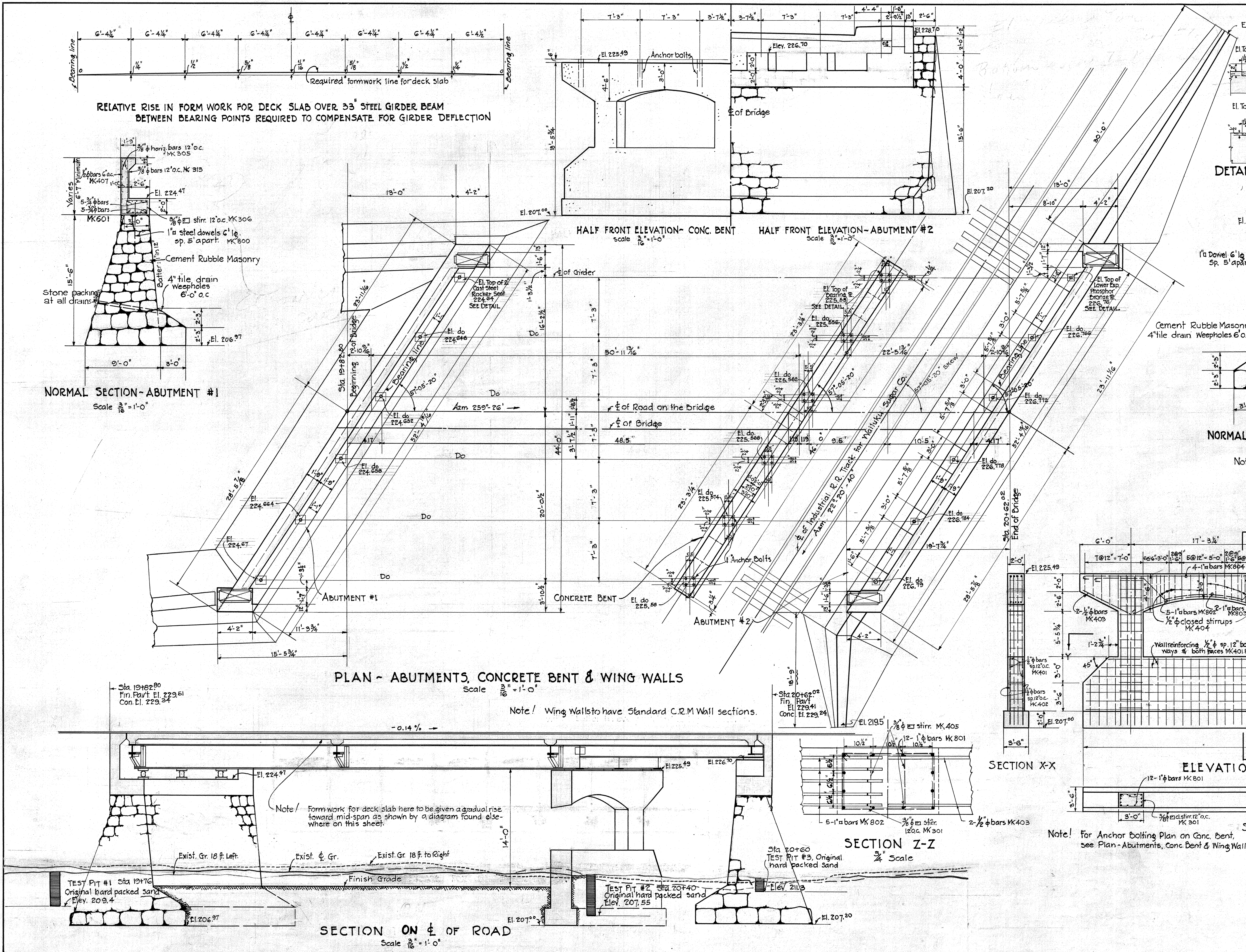
STA. 19+25

WAILUKU KAHULUI HIGHWAY

PROJ. No. W.P.G.M. 13-H MAR. 1936

4347.8A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.G.M. 13-H	1935	9	14



RELATIVE RISE IN FORM WORK FOR DECK SLAB OVER 33' STEEL GIRDER BEAM BETWEEN BEARING POINTS REQUIRED TO COMPENSATE FOR GIRDER DEFLECTION
Required formwork line for deck slab
Bearing line
NORMAL SECTION - ABUTMENT #1
Scale 3/16"=1'-0"
Cement Rubble Masonry
4" tile drain weepholes 6'-0" o.c.
Stone packing at all drains
HALF FRONT ELEVATION - CONC. BENT
Scale 3/16"=1'-0"
HALF FRONT ELEVATION - ABUTMENT #2
Scale 3/16"=1'-0"
Anchor bolts
℄ of Bridge
DETAIL - BEARING SEATS, ABUT. #1 & CONC. BENT
Scale 1"=1'-0"
Grouting required insuring even, full bearing
Recess to be 3" wider & longer than Pl.
Grout
DETAIL - BEARING SEAT, ABUT. #2
Scale 1"=1'-0"
NORMAL SECTION - ABUTMENT #2
Scale 3/16"=1'-0"
Note! Reinf. steel similar as for Abutment #1. See Detail.
℄ of Road on the Bridge
℄ of Bridge
℄ of Girder
℄ of Industrial R.R. Track for Wailuku Sugar Co.
Abutment #1
Concrete Bent
Abutment #2
PLAN - ABUTMENTS, CONCRETE BENT & WING WALLS
Scale 3/16"=1'-0"
Note! Wing Walls to have Standard C.R.M. Wall sections.
ELEVATION OF CONCRETE BENT
Scale 3/16"=1'-0"
SECTION X-X
SECTION Y-Y
SECTION Z-Z
3/4" Scale
Note! For Anchor Bolting Plan on Conc. Bent, see Plan - Abutments, Conc Bent & Wing Walls
Note! Form work for deck slab here to be given a gradual rise toward mid-span as shown by a diagram found elsewhere on this sheet.
Test Pit #1 Sta 19+76 Original hard packed sand Elev. 209.4
Test Pit #2 Sta 20+40 Original hard packed sand Elev. 207.55
Sta 20+60 Test Pit #3, Original hard packed sand Elev. 211.3
Finish Grade
SECTION ON ℄ OF ROAD
Scale 3/16"=1'-0"

		DATE
SURVEY PLOTTED BY		
DESIGNED BY	W.R.B.	10-35
DRAWN BY	H.Y.M.	10-35
TRACED BY	H.Y.M.	10-35
QUANTITIES BY	M.H.C., R.E.S., H.Y.M.	
CHECKED BY		

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

WAIALE R.R. OVERPASS

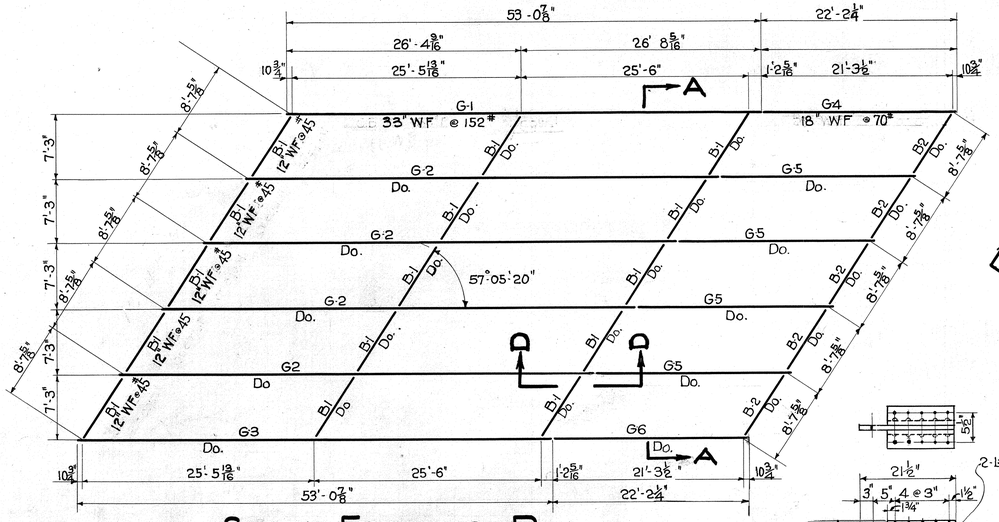
STA 20

WAILUKU KAHULUI ROAD

SHEET No 2 OF 5 SHEETS

4347.9

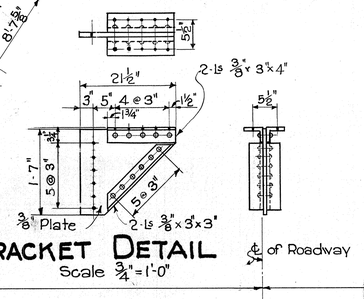
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.G.M. 13-H	1935	10	14



STEEL FRAMING PLAN

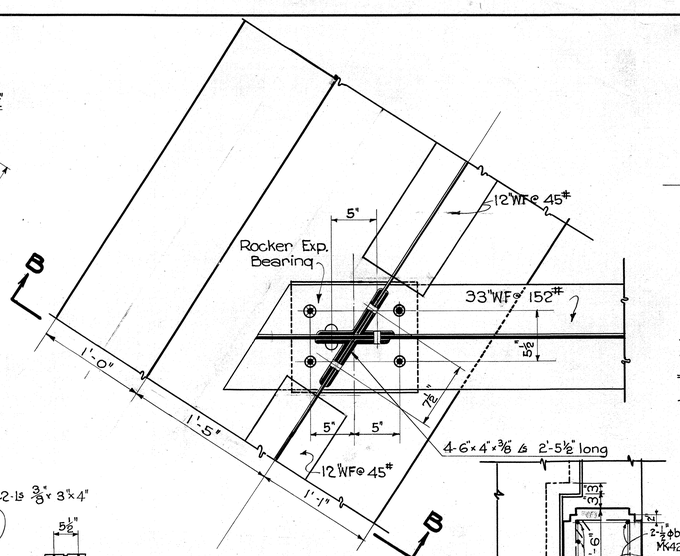
Scale 1/8" = 1'-0"

Note: All rivets to be 3/4" rivets and all rivet holes 13/16 unless otherwise noted.
All anchor bolt holes to be 1-1/8".
All field countersunk rivets for Exp. Bearing units shall be milled to true surface.



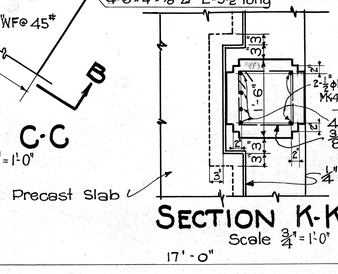
BRACKET DETAIL

Scale 3/4" = 1'-0"



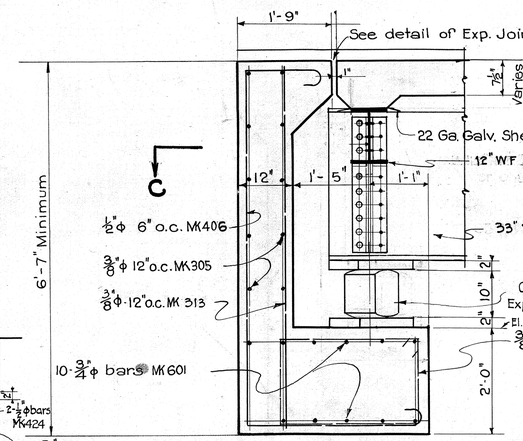
SECTION C-C

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



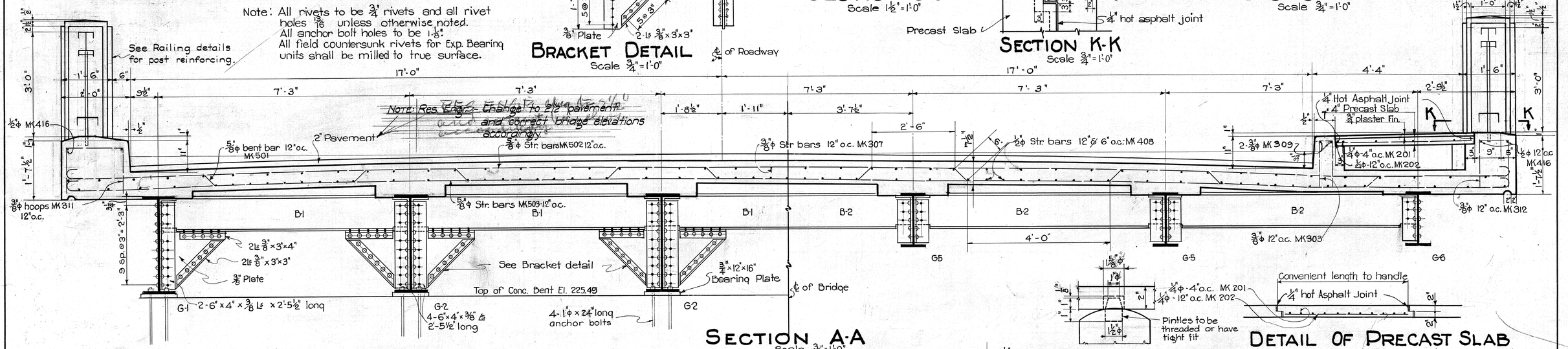
SECTION K-K

Scale 3/4" = 1'-0"



SECTION B-B

Scale 3/4" = 1'-0"

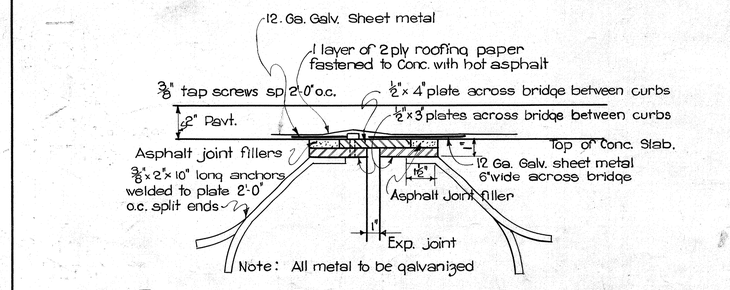


SECTION A-A

Scale 3/4" = 1'-0"

PINTLE DETAIL

DETAIL OF PRECAST SLAB

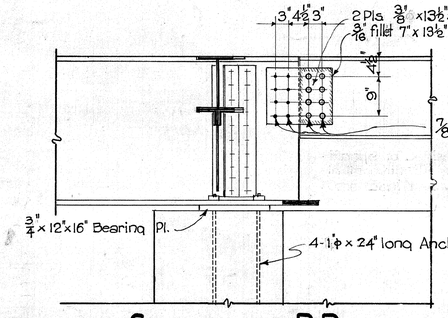


Note: All metal to be galvanized

DETAIL OF EXPANSION JOINT

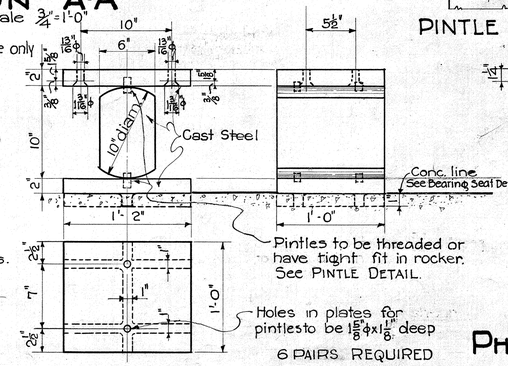
Scale 3" = 1'-0"

Note:
Effective precautions must be taken by Contractor to prevent any leakage of pavement binder thru expansion joint at curbs.



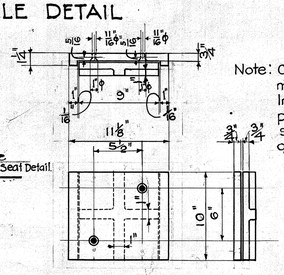
SECTION D-D
CONNECTION G5 TO G2

Scale 3/4" = 1'-0"



ROCKER EXP BEARING

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



6 PAIRS REQUIRED

PHOSPHOR BRONZE EXPANSION PLATES

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

Note: Contact areas to be milled to true surfaces. Immediately before placing, contact areas shall be treated with graphite.

		DATE
SURVEY PLOTTED BY	W.E.B.	10-35
DRAWN BY	H.Y.M.	10-35
TRACED BY	K.E.S.	10-35
QUANTITIES BY	H.H.C., H.Y.M., K.E.S.	10-35
CHECKED BY		

ORIGINAL PLAN
NOTE BOOK
No.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

WAIALE R.R. OVERPASS

STA 20

WAILUKU KAHULUI ROAD

SHEET Nº 3 OF 5 SHEETS

4347.10

PRINTED ON KEUFFEL TRACING CLOTH K & E CO., N.Y.


FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS
HAWAII | HAW | W.P.G.M. 13-H | 1935 | 11 | 14
SECTION F-F
Scale 3/8" = 1'-0"
South End Post on Abutment #2 similar.
SECTION G-G
Scale 3/8" = 1'-0"
SECTION N-N
Scale 1 1/2" = 1'-0"
Phosphor Bronze Exp. Plate. See detail
PLAN - NORTH END POST ON ABUT. #2
Scale 3/8" = 1'-0"
11 Gauge galv. sheet metal box to have snug fit sides, top and bottom. End of railing to be well greased before slipping sheet metal box over.
SECTION E-E
Scale 3/8" = 1'-0"
South End Post on Abutment #1 similar
Edge of Shoulder
Edge of Pavement
1" Expansion joint
4 Ft. Foothpath
HALF PLAN
Scale 3/16" = 1'-0"
HALF DECK PLAN
Scale 3/16" = 1'-0"
SECTION M-M
Phosphor Bronze Expansion Plate See Details
SECTION SHOWING BEARING EXP. PLATE ON ABUT. #2
Scale 3/4" = 1'-0"
CROWN ORDINATES
Scale 3/8" = 1'-0"
SOUTH END ELEVATION
Scale 3/16" = 1'-0"
SECTION L-L
TYPICAL SECT. A1A1
Scale 1/2" = 1'-0"
Thru Triangle Panels of Deck Span.
NOTE: All triangular panels & triangular ends of regular panels are specially reinforced. Balance of panels & regular panels are typically reinforced.
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
WAIALE R.R. OVERPASS
STA 20
WAILUKU KAHULUI ROAD
SHEET No 4 OF 5 SHEETS
4347.11
Revised as to end post spacing 2/27/36 H.Y.M.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.G.M. 13H.	1935	12	14

PLAN SHOWING POST REINF.
Scale: 1" = 1'-0"
1" Expansion joint
PLAN - N. END POST
ABUTMENT NO. 1
1" Scale
PLAN - SOUTH END POST
ABUTMENT NO. 1
1" Scale
SECTION S-S
SECTION V-V
1" Scale
SECTION W-W
1" Scale
SECTION P-P
1" Scale
SECTION Q-Q
1" Scale
Hot asphalt
1" Premoulded Asphalt joint filler
11 Gauge galv. Sheet metal box. See Notes elsewhere.
El. 224.64
El. 224.47
SECTION R-R
Scale: 1" = 1'-0"
33" WF @ 152#
RES. ENGR.:- Change to 2½" and correct bridge elevations accordingly.
2" Pavement
Recess in curb to be grouted after railing has been lined up. Posts to be poured around railing ends. See detail at expansion ends. Every third bar only to extend into curb.
RAILING DETAIL
Scale: 1" = 1'-0"
℄ of Post
¼" Flat iron to end here.
Space ⅜"φ hoops as shown
11 gauge galv. sheet metal box, to have snug fit sides, top and bottom.
End of railing to be well greased before slipping over sheet metal box.
11 gauge galv. sheet metal box. (See Notes above)
⅜"φ hoops MK315
HALF ELEVATION OF POST AT FIXED END OF RAILING
HALF SECTION OF POST AT EXP. END OF RAILING
Scale: 1" = 1'-0"
NOTE! All railing ends to be provided with sheet metal box as shown.
RAILING DETAIL
Scale: 1" = 1'-0"
Note! Railings to be same as for railings on curb.
POST REINFORCING
Scale: 1" = 1'-0"
Note! Reinforcing steel for post to be same as for post on curb, excepting ⅝"φ bars MK 510

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

WAIALE R.R. OVERPASS

STA. 20

WAILUKU KAHULUI ROAD

SHEET No 5 OF 5 SHEETS

4347.12

4347.12

STEEL SCHEDULE

MK	Description	Location	Size	Length	No of Bars in Ea. Unit	No of Units	Total No of Bars	Total Length	Wt. per Ft.	Total Weight
401	Varies; Max. 43'-6", Min. 39'-9", Av. 41'-7½"	ABUT. & PIER Pier Wall	1/2" φ	Av. 41'-7½"	3	2	6	249.75	0.68	170
401A	45'-0"	"	"	45'-0"	4	2	8	360.0	"	245
402	Varies; Max. 7'-6", Min. 5'-6", Av. 6'-6"	"	"	Av. 6'-6"	6	2	12	78.0	"	53
402A	7'-9"	"	"	7'-9"	30	2	60	465.0	"	316
801	18'-0"	" cols.	1" φ	18'-0"	12	3	36	648.0	2.70	1750
301	4"; 2'-7"; 1'-7"	" stirrs.	3/8" φ	9'-0"	16	3	48	432.0	0.38	164
403	6'-6"	Girder	1/2" φ	6'-6"	2	2	4	26.0	0.68	18
404	4"; Varies; 1'-7"; Max. 4'-1", Min. 2'-7", Av. 3'-4"	"	"	Av. 10'-6"	12	4	48	504.0	"	343
405	4"; Varies; 1'-7"; Max. 4'-1", Min. 1'-9", Av. 2'-11"	"	"	Av. 9'-8"	6	2	12	116.0	"	79
804	1'-5"; 45'-4"; 1'-5"	"	1" □	48'-2"	4	1	4	192.67	3.44	663
802	1'-5"; 17'-0"	"	"	19'-10"	5	2	10	198.33	"	682
803	1'-5"; 5'-6"; 3'-9"; 9'-5"; 2'-8"	"	"	30'-9"	2	2	4	123.0	"	423
800	6'-0"	Abuts. #1 & #2	"	6'-0"	11 11	1 1	22	132.0	"	454
305	52'-0"	"	3/8" φ	52'-0"	10 10	1 1	20	1040.0	0.38	396
306	4½"; 2'-6¾"; 1'-6¾"	"	"	9'-0"	53 53	1 1	106	954.0	"	362
601	52'-0"	"	3/4" φ	52'-0"	10 10	1 1	20	1040.0	1.52	1580
313	1'-3"; 8"; Varies; MK 313; Max. 6'-5", Min. 6'-1", Av. 6'-3"	Abut. #1	3/8" φ	Av. 6'-3"	53	1	53	331.25	0.38	126
406	3'-1"; 8"; MK 406	"	1/2" φ	Av. 11'-11"	105	1	105	1251.58	0.68	851
314	1'-3"; 8"; Varies; MK 314; Max. 5'-11½", Min. 5'-8½", Av. 5'-10"	Abut. #2	3/8" φ	Av. 5'-10"	53	1	53	309.17	0.38	118
407	3'-1"; 8"; MK 407	"	1/2" φ	Av. 11'-6"	105	1	105	1207.5	0.68	821
602	3'-6"	"	3/4" φ	3'-6"	6	6	36	126.0	1.52	191
304	4"; 3'-0½"; 2'-6½"	"	3/8" φ	11'-10"	3	6	18	213.0	0.38	81
418	3'-10"	Abut. End walls	1/2" φ	3'-10"	5	4	20	76.67	0.68	52
421	5'-0"		"	5'-0"	8	4	32	160.0	"	109
419	3'-10"; 4'-6"	"	"	8'-4"	5	2	10	83.33	"	57
420	3'-10"; 4'-6"	"	"	8'-4"	5	2	10	83.33	"	57
422	1'-7"; R=1½"; 2'-6"; 8"; 1'-3"; 3'-6"	Curt. Wall at Sidewalk Exp. Joint	"	5'-5"	9	2	18	97.5	"	66
423	MK 423; 8"; MK 422; 8"	"	"	5'-1"	9	2	18	97.5	"	62

MK	Description	Location	Size	Length	No of Bars in Ea. Unit	No of Units	Total No of Bars	Total Length	Wt. per Ft.	Total Weight
501	11"; 3'-7"; c e c d …; 3'-7"; 11"	SUPERSTR. Deck Slab	5/8" φ	44'-1"	43	1	43	1895.58	1.06	2010
	b = 4⅜", c = 6", d = 4'-0", e = 2'-6¼"									
501A	11"; 3'-7"; c e c d …; 1'-6"; 11"	"	"	42'-0"	4 3	1 1	7	294.0	"	312
502	11"; 40'-9"; 11"	" Top Str.	"	42'-7"	44	1	44	1871.67	"	1984
502A	11"; 38'-9"	" "	"	40'-7"	4 3	1 1	7	284.08	"	301
503	11"; 40'-6"	" bottom	"	42'-4"	44	1	44	1860.67	"	1972
503A	11"; 38'-6"	" "	"	40'-4"	4 3	1 1	7	282.33	"	299
504	11"; 3'-7"; c e c d …; Varies; 11"; Max. 8'-6", Min. 4'-0", Av. 6'-3"	" bent bar	"	Av. 39'-3"	4	2	8	314.0	"	333
504A	11"; Varies; Max. 8'-6", Min. 4'-0", Av. 6'-3"	" Stub bars	"	Av. 8'-1"	4	2	8	64.67	"	69
505	11"; 3'-7"; c e c d …; Varies; 11"; Max. 9'-6", Min. 5'-0", Av. 7'-3"	" bent bar	"	Av. 32'-9"	4	2	8	262.0	"	278
505A	11"; Varies; Max. 9'-6", Min. 5'-0", Av. 7'-3"	" Stub bars	"	Av. 9'-1"	4	2	8	72.67	"	77
506	11"; 3'-7"; c e c d; Varies; 11"; Max. 10'-6", Min. 5'-10", Av. 8'-2"	" bent bar	"	Av. 26'-2"	4	2	8	209.33	"	222
506A	11"; Varies; Max. 10'-6", Min. 5'-10", Av. 8'-2"	" Stub bars	"	Av. 10'-0"	4	2	8	80.0	"	85
507	11"; 3'-7"; c d; Varies; Max. 11'-5", Min. 6'-9", Av. 9'-2"	" bent bar	"	Av. 19'-7"	4	2	8	156.67	"	166
507A	11"; Varies; Max. 11'-5", Min. 6'-9", Av. 9'-2"	" Stub bars	"	Av. 11'-0"	4	2	8	88.0	"	94
508	11"; Varies; 11"; Max. 13'-6", Min. 2'-0", Av. 7'-9"	"	"	Av. 9'-7"	8	2	16	152.5	"	162
508A	11"; Varies; Max. 13'-6", Min. 2'-0", Av. 7'-9"	" Stub bars	"	Av. 9'-7"	8	2	16	152.5	"	162
509	11"; Varies; Max. 38'-5", Min. 3'-7", Av. 21'-0"	" Top str.	"	Av. 22'-10"	24	2	48	1096.0	"	1162
510	11"; Varies; Max. 38'-5", Min. 3'-7", Av. 21'-0"	" Bottom str.	"	Av. 22'-10"	24	2	48	1096.0	"	1162
307	74'-6"	" Top temp. bars	3/8" φ	74'-6"	45	1	45	3352.5	0.38	1274
408	74'-6"	" Bott. long. bars	1/2" φ	74'-6"	61	1	61	4544.5	0.68	3090
201	3'-9"	Sidewalk Slab.	1/4" φ	3'-9"	225	1	225	844.75	0.17	144
202	74'-6"	"	"	74'-6"	4	1	4	298.0	"	50
311	1'-3"; 1'-7"	Curb	3/8" φ	4'-1"	72	1	72	294.0	0.38	112
312	1'-4"; 10"	"	"	3'-6"	72	1	72	252.0	"	96
309	74'-6"	"	"	74'-6"	2	1	2	149.0	"	57

MK	Description	Location	Size	Length	No of Bars in Ea. Unit	No of Units	Total No of Bars	Total Length	Wt. per Ft.	Total Weight
303	1'-4"; 4"	Superstruct. Sidewalk Curb	3/8" φ	3'-0"	84	1	84	252.0	0.38	96
416	71'-6"	"	1/2" φ	71'-6"	2	2	4	286.0	0.68	195
512	11"; 1'-4"; 1'-3"; 3'-0"; 11"	Curb at Post	5/8" φ	7'-5"	11	3	33	244.75	1.06	259
513	11"; 7"; 1'-3"; 3'-10"; 11"	"	"	7'-6"	11	3	33	243.5	"	258
308	4"; 3'-3"	POST & RAILING End Post Stirrs.	3/8" φ	9'-0"	5	4	20	180.0	0.38	68
409	10'-6"	End Post.	1/2" φ	10'-6"	6	2	12	126.0	0.68	86
410	5'-4"	"	"	5'-4"	2	2	4	21.33	"	15
411	3'-4"; 8"; 2'-5"; 8"; MK 411	"	"	7'-1"	4	2	8	56.67	"	38
412	10'-3"; MK 412	"	"	10'-3"	6	2	12	123.0	"	84
413	5'-0"	"	"	5'-0"	2	2	4	20.0	"	14
414	3'-3"; 8"; 1'-8"; 8"; MK 414	"	"	6'-3"	4	2	8	50.0	"	34
415	3'-0"; MK 415	"	"	3'-0"	4	2	8	24.0	"	16
310	4"; 11"	Intermediate Post Stirrs	3/8" φ	4'-4"	3	6	18	78.0	0.38	30
511	4'-6"; 11"	Intermed. Post	5/8" φ	6'-4"	4	6	24	150.0	1.06	159
424	4'-8"	"	1/2" φ	4'-8"	2	6	12	56.0	0.68	38
425	3"; 11½"; 3"	"	"	1'-6"	12	10	120	180.0	"	122
315	4"; 11½"	Railing slot Stirrs.	3/8" φ	4'-6"	8 6	6 4	72	324.0	0.38	123

✧ CONTRACTORS NOTE ✧

This steel schedule is subordinate to details shown on plans. In case of discrepancy between steel list and detail drawings, the latter shall govern.

The Territorial Highway Dept. does not assume responsibility for any errors that occur in the steel schedule. Contractor shall check steel schedule before placing order.

All stirrup dimensions are to inside of stirrups: all other dimensions are figured on ℄ of bar.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

WAIALE R. R. OVERPASS

STA. 20

WAILUKU KAHULUI ROAD

SHEET No 5A OF 5 SHEETS

4347.12A

ORIGINAL PLAN		DATE
	SURVEY PLOTTED BY	
	DESIGNED BY	Jan. 1936
	DRAWN BY HHC - HYM	
NOTE BOOK	TRACED BY	
	QUANTITIES BY HHC, ck HYM	Nov. 1935
No.	CHECKED BY	

Revised Jan. 22, 1936 H.Y.M.