

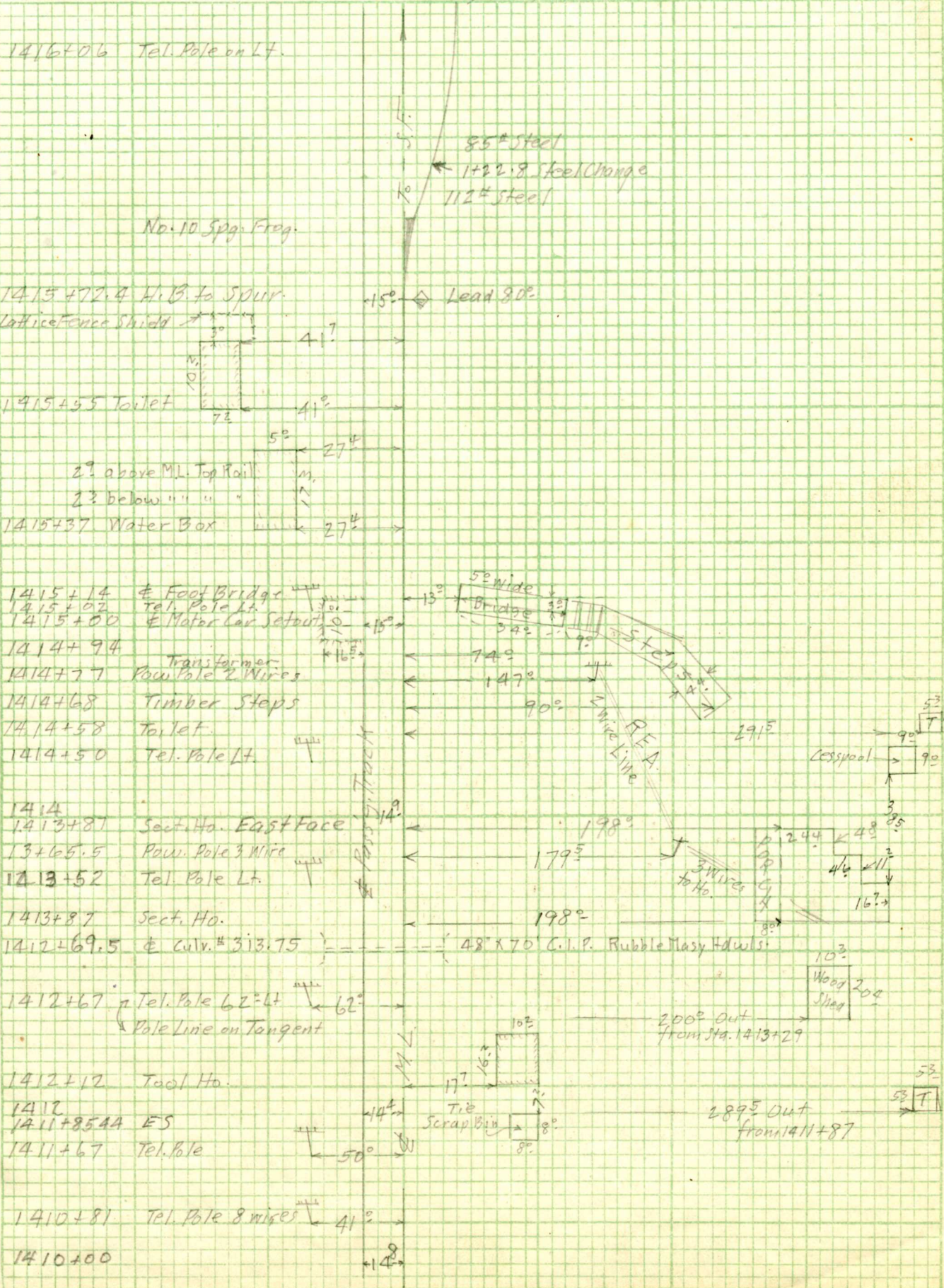
THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 7, 1940
 ENGINEER C. G. Story
 RODMAN G. Switzer
 CHAINMAN R. J. Benish
 DESC. OF WORK Station Survey of Clio.

FORM 555

SURVEY No. _____

STATION Clio.
 M. P. 313.9 PAGE 1 OF 15



THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 7, 1940

FORM 555

SURVEY No.

ENGINEER G. C. Story

STATION Cl10

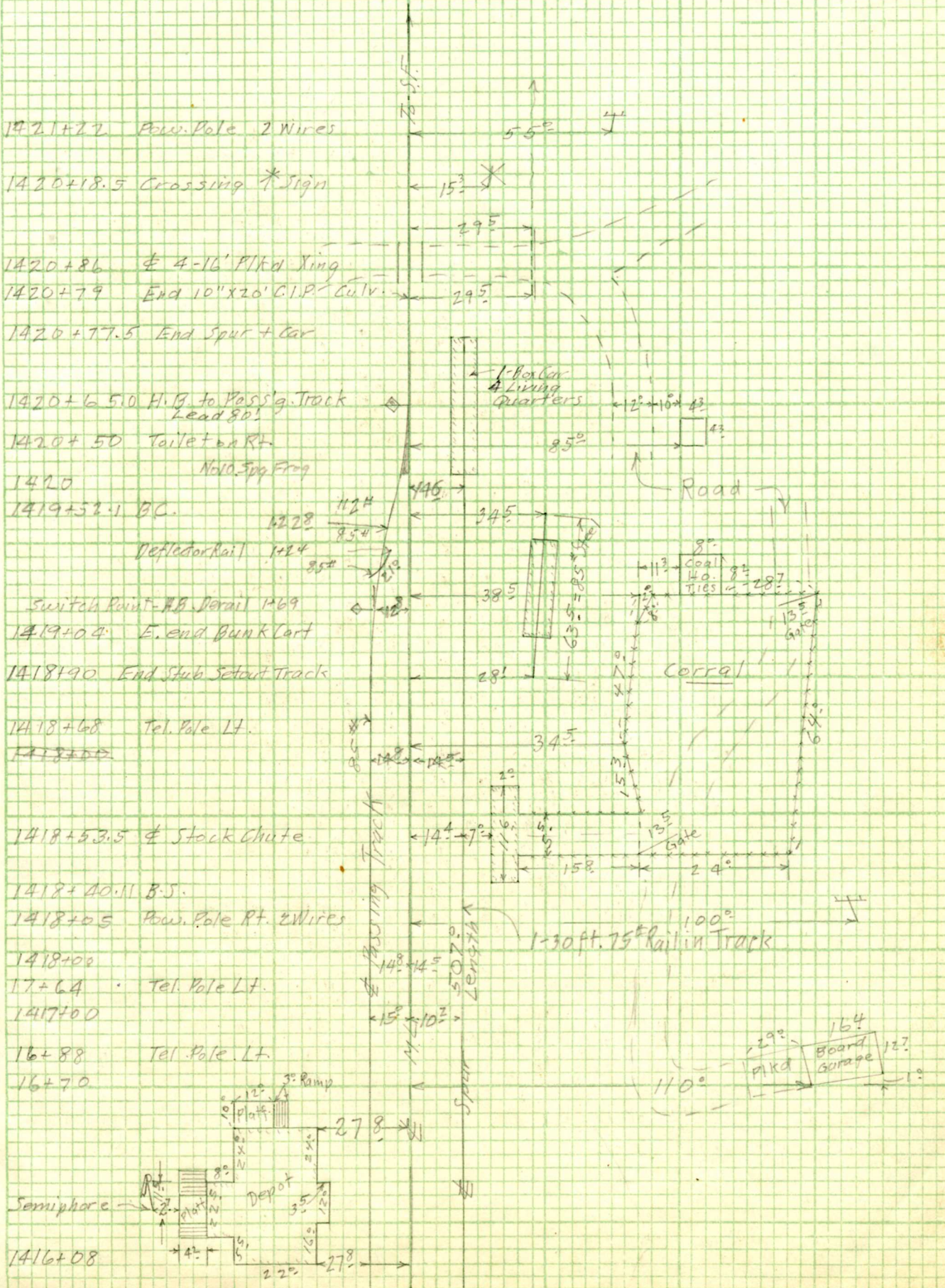
RODMAN G. Switzer

M. P. 313.9

PAGE 2 OF 15

CHAINMAN R. J. Benish

DESC. OF WORK Station Survey of Cl10



B.C.

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THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 11, 1940 FORM 555 SURVEY No. _____
 ENGINEER C. G. Story
 RODMAN G. Switzer STATION Clio
 CHAINMAN R. J. Benish M. P. 313.9 PAGE 3 OF 15
 DESC. OF WORK Cross Sections for Contour Map.

1412+69	FL	Top Rubble Nasry Headwall	Top Edge Bank Shoulder	TR. ETR	802.4	79.5	78.0	77.8	68.7	63.0	FL			
48" C.I.P.	44.5	44.5	26.0	23.5	20.0	14.0	0	4.0	8.5	11.5	26.0	26.0		
1412+50		Ed. Blk.		TR. ETR	458.43	79.6	78.6	78.2	70.4	65.4	64.0	65.0	68.0	79.5
		76.0	78.0	79.2	ETR	0	5.0	8.5	13.0	26.0	44.0	60.0	70.0	76.0
1412+35				TR. ETR	458.56	79.9	78.6	78.6	68.4	66.3				
				0	6.0	10.0	26.0	50.0	58.0					
1412		Top Edge Bank	TR. ETR	TR. ETR	458.87	80.2	78.9	80.0	75.4	78.7				
		78.0	78.4	80.0	80.45	0	5.0	9.0	50.0	88.0	100.0			
1411+90				TR. ETR	458.95	80.3	79.0	79.0	86.0	84.0	81.0			
				0	5.0	9.0	15.0	22.0	36.0	50.0				
1411+85				TR. ETR	458.29	80.6	79.1	79.0	90.3	96.3				
				0	5.0	8.5	12.5	23.0	30.0					
1411		Bank Edge	TR. ETR	TR. ETR	458.65	81.0	79.5	79.5	91.7					
		79.0	78.7	80.2	81.44	0	1.0	5.5	9.0	13.0	26.0			
		63.0	25.5	21.0	13.0									
1410+50		Edge Blk.	TR. ETR	TR. ETR	458.25	81.4	79.6	79.6	82.0	92.0				
		79.0	79.4	81.3	82.1	0	2.5	7.0	11.0	14.0	18.5	26.0		
		6.5	23.0	17.0	12.0									
1410		Top Edge Bank	TR. ETR	TR. ETR	458.54	81.8	80.1	80.5	91.5					
		79.9	81.0	79.5	82.39	0	5.5	10.0	14.0	16.0	28.0			
		5.6	28.0	20.0	14.5									

THE WESTERN PACIFIC RAILROAD COMPANY

FORM 585

SURVEY No. _____

DATE Nov. 11, 1940
 ENGINEER E. G. Story
 RODMAN A. Switzer
 CHAINMAN R. J. Benish
 DESC. OF WORK Cross Sections for Contour Map

STATION C10
 M. P. 313.9 PAGE 4 OF 15

Station	Left Bank	Right Bank	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.
1416	72 ⁵ 54	73 ⁵ 50	73 ⁵ 35	76 ⁵ 25	77 ⁰ 15	45 77 ⁵³ 0	76 ⁸ 6	75 ⁵ 12	75 ² 18	69 ⁵ 29	69 ⁵ 50	69 ⁵ 73	77 ⁵ 100						
+72.4 H.B. to Spur																			
1415+50		72 ⁵ 48	74 ⁰ 34	76 ⁹ 23	77 ⁹ 15	77 ⁹¹ 0	77 ⁹ 5	75 ⁹ 10	75 ⁴ 14	68 ⁴ 21	69 ⁰ 53	71 ⁰ 66	72 ⁰ 79	76 ⁰ 88	81 ⁰ 108				
1415+25		73 ⁷ 42	74 ⁷ 31	75 ² 24	77 ² 21	78 ¹⁵ 0	77 ⁵ 6	76 ² 10	76 ² 13	68 ⁷ 27	68 ⁰ 35	74 ⁰ 46	79 ⁰ 89	68 ⁷ 100					
1415		75 ⁴ 38	76 ⁰ 35	77 ⁰ 32	77 ⁴ 24	77 ⁸ 15	77 ² 0	76 ⁴ 5	76 ⁴ 10	69 ⁶ 15	68 ⁴ 27	70 ⁴ 31	73 ⁰ 38	78 ⁴ 43	87 ⁰ 48	91 ⁰ 75	100		
1414+50		76 ⁸ 32	76 ⁸ 27	77 ⁸ 20	77 ⁸ 15	78 ¹⁸ 0	78 ¹ 5	77 ⁰ 8	76 ⁸ 15	71 ² 26	67 ⁰ 34	69 ⁰ 39	77 ⁰ 50	92 ⁰ 62	97 ⁰ 69	100			
1414		76 ⁶ 28	76 ⁸ 23	78 ² 20	78 ⁶ 14	45 77 ¹⁷ 0	78 ² 4	77 ⁰ 7	77 ⁰ 13	70 ⁰ 27	65 ⁰ 36	74 ⁰ 49	87 ⁰ 61	95 ⁰ 100					
1413+75						45 79 ³⁷ 0	78 ⁷ 4	77 ² 7	77 ⁰ 12	67 ⁴ 27	64 ⁷ 37	68 ⁰ 45	78 ⁴ 57	88 ⁴ 100					
1413+50		76 ⁶ 28	76 ⁹ 24	78 ⁶ 19	77 ⁰ 14	79 ⁵⁹ 0	78 ⁸ 4	77 ⁴ 7	77 ⁴ 9	66 ⁰ 29	65 ⁰ 35	65 ⁵ 55	72 ⁰ 80	82 ² 100					
1413		77 ⁰ 28	77 ⁷ 24	79 ⁰ 19	79 ⁵¹ 14	45 79 ⁹⁸ 0	79 ³ 9	78 ⁰ 8	77 ⁸ 12	64 ⁶ 32	65 ⁰ 81	73 ⁰ 100							

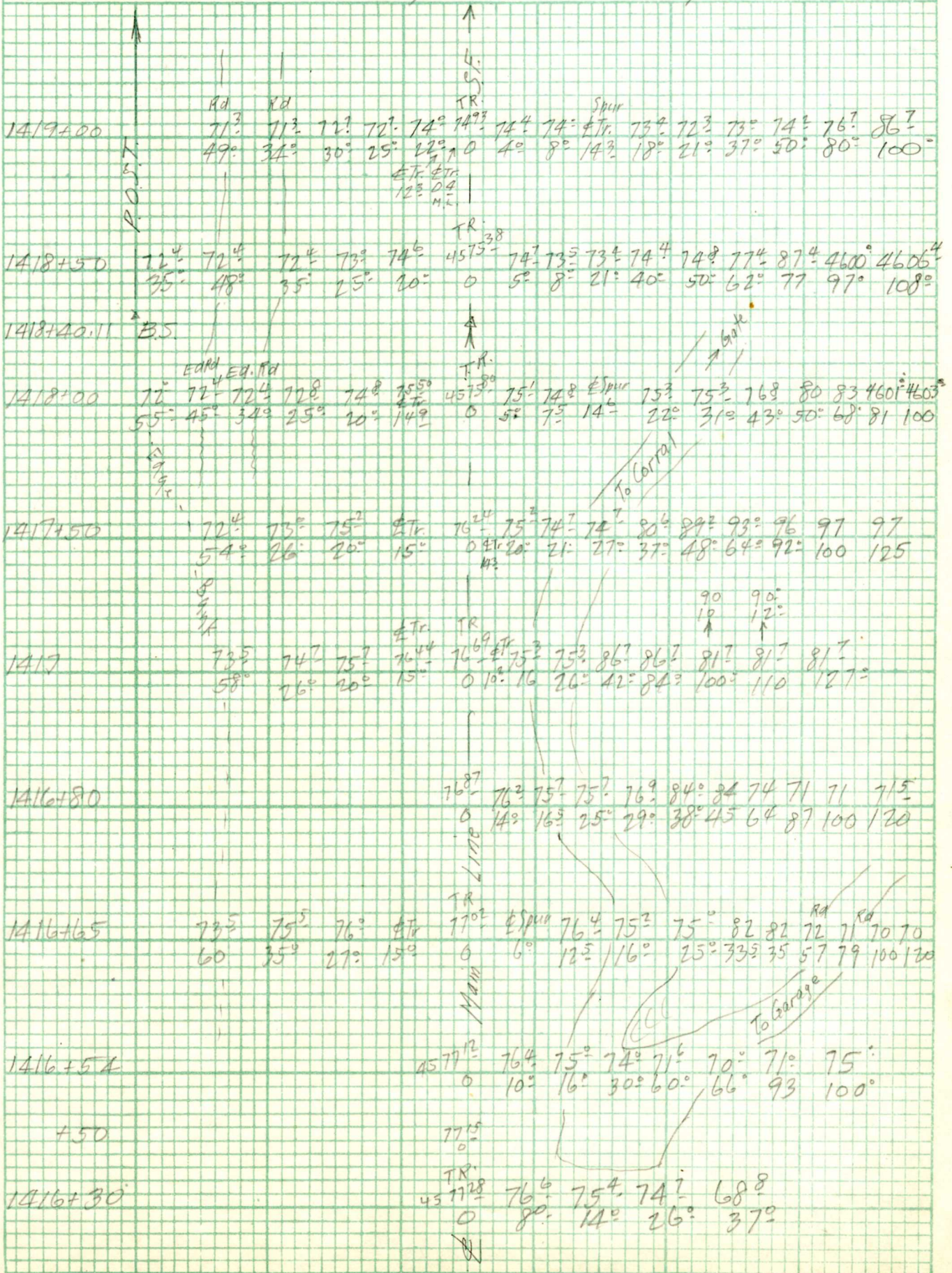
THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 12, 1940
 ENGINEER C. G. Story
 RODMAN G. Switzer
 CHAINMAN R. J. Benish
 DESC. OF WORK Cross Sections for Contour Map.

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 M. P. 313.9 PAGE 5 OF 15

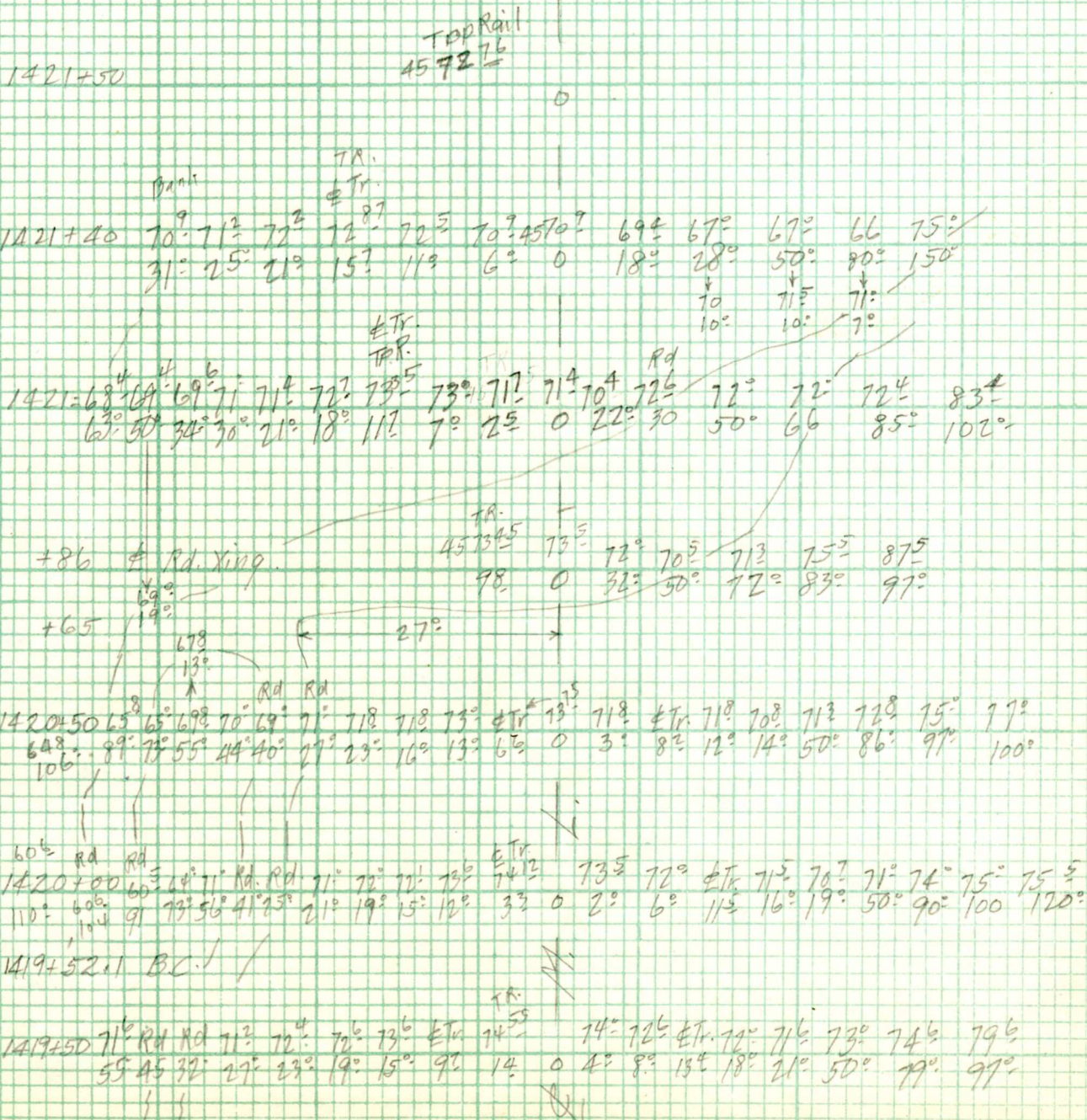


THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 11, 1940 FORM 555 SURVEY No. _____
 ENGINEER C. C. Story STATION C110
 RODMAN G. Switzer M. P. 313.9 PAGE 6 OF 15
 CHAINMAN R. J. Benish
 DESC. OF WORK Cross Sections for Contour Map.



Line and Stations Produced on Semi-Tangent



THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov 12, 1940
 ENGINEER C. C. Story
 RODMAN G. Switzer
 CHAINMAN R. J. Benish
 DESC. OF WORK Cross Sections for Contour Map - Line 170° Out from M.L.

FORM 585

SURVEY No. _____

STATION Clio
 M. P. 313.9 PAGE 7 OF 15

Paralleling Tangent.

1412+30 Flat of Old Burnt Bank H. 4601² 03² 06² 07² 08² 11²
 0 12² 20² 50² 57 63²

1412+20 4600² 08² 11²
 0 50² 63²

Out from M.L. 170°

1412+00 8 6² 91² 97² 4602² 07²
 50² 33² 0 24² 50²

Dr
 82² Draw
 12² 87²
 12² Draw
 87² Dr.
 30² 0 10² 16² 32²

1411+50 96² 95² 94² 90² 86² 87² 4590² 92² 94² 97² 4600²
 122² 100² 94² 75² 50 30² 0 10² 16² 32² 50²
 99²
 12²
 99²
 20

1411+00 05² 09² 11² 13² 4612² 10² 06⁶ 06²
 132 100² 50² 30² 0 11² 36² 50²

1410+75 06 10² 14² 16² 4616² 14² 14²
 130 100² 50² 30² 0 20² 50²

Top 13k
 1410+50 10² 13² 16² 4618² 19²
 123² 100² 50² 0 50²

15.
 1410+25 11² 14² 16² 17² 4618² 22²
 122² 100² 86² 50² 0 50²

Top 13k
 1410+00 09² 11² 13² 14² 14² 4616² 20²
 121² 100² 77² 50² 25² 0 50²

THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 12, 1940
 ENGINEER C. G. Story
 RODMAN G. Switzer
 CHAINMAN R. J. Benish
 DESC. OF WORK Cross Sections for Contour Map - & Out 170° from M.L.

FORM 555

SURVEY No. _____

STATION C110
 M. P. 313.9 PAGE 8 OF 15

Parallelling Tangent of Main Line

1413+80			4607 ⁶	08	12 ⁶	13 ⁶	15 ⁰	19 ⁶
			0	7 ⁰	16 ⁰	50 ⁰	69 ⁰	79 ⁰
1413+70	4594 ⁰	4601 ⁰	4607 ⁰	08 ⁵	10 ⁵	13 ²	14 ⁵	18 ⁵
	50 ⁰	26 ⁰	0	9 ⁰	18 ⁰	47	50 ⁰	78 ⁰
1413+50	92 ⁰	99 ⁰	059	09 ⁵	11 ⁰	14 ⁵		
	50 ⁰	28 ⁰	0	18 ⁰	48 ⁰	54 ⁰		
	↓				↓	↓		
	88 ⁰				11 ⁵	13 ⁵		
	70 ⁰				21 ⁰	21 ⁰		
1413+10	88 ⁰	93 ⁰	4600	04 ⁰				
	50 ⁰	39 ⁰	18 ⁰	0				
1413			4603 ³	07 ⁰	09 ⁰		10 ⁰	
			0	20 ⁰	32 ⁰		20 ⁰	
							↑	
	78 ⁰	88 ⁰					11 ⁰	
	12 ⁰	5 ⁰					50 ⁰	
	↑	↑						
1412+85	74 ⁰	86 ⁰	96 ⁰	4601 ⁷				
	65 ⁰	39 ⁰	18 ⁰	0				
	↓	↓						
	79 ⁰	90 ⁰						
	11 ⁰	10 ⁰						
1412+70			02 ⁶	04 ⁶	09 ⁰	11 ⁶	13 ⁶	
			0	14 ⁰	34 ⁰	50	63 ⁰	
1412+62 Flat of Burnt Brick House			4602 ⁵	04 ⁵	06 ⁵	08 ⁵	09 ⁵	13 ⁵
			0	11 ⁰	21 ⁰	50	57	66 ⁰
1412+50	93 ⁰	4601 ⁹	04	06 ⁴	07 ⁴	08 ⁴	12 ⁴	
	40	0	11 ⁰	17 ⁰	50	60	67	

THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 12, 1940
 ENGINEER C. C. Story
 RODMAN G. Switzer
 CHAINMAN R. J. Benish

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DESC. OF WORK Cross Sections for Contour Map & out 170° Ft. From # Main Line Track Tangent.

1416+22

812 887 45932 937 937 932
 50° 24° 0 22° 34° 80



Ground Badly Broken

1416

832 922 45953 972 982 4600°
 50° 15° 0 20° 50° 80°

832
 76
 818
 84
 ↑

942
 53
 ↑

1415+50

848 882 45932 942 978 022 048
 50° 29° 0 11° 24° 50° 80°

Draw

Draw

028
 16
 ↓

023
 23
 ↓ Draw

1415+23

96 96 46007 038
 28° 0 21° 30°

1415

4595 46006 066 096
 50° 0 50° 80°

Draw

1414+50

4599 46065 105 12 16
 50° 0 37° 50° 79°

1414+38

4599 46081 09 12 13 17
 50° 0 6° 16° 50° 79°

1414

4599 46085 4610 12 15 20
 50° 0 8° 16° 73 81°

THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 12, 1940
 ENGINEER C. C. Story
 RODMAN G. Switzer
 CHAINMAN R. J. Benish

FORM 555

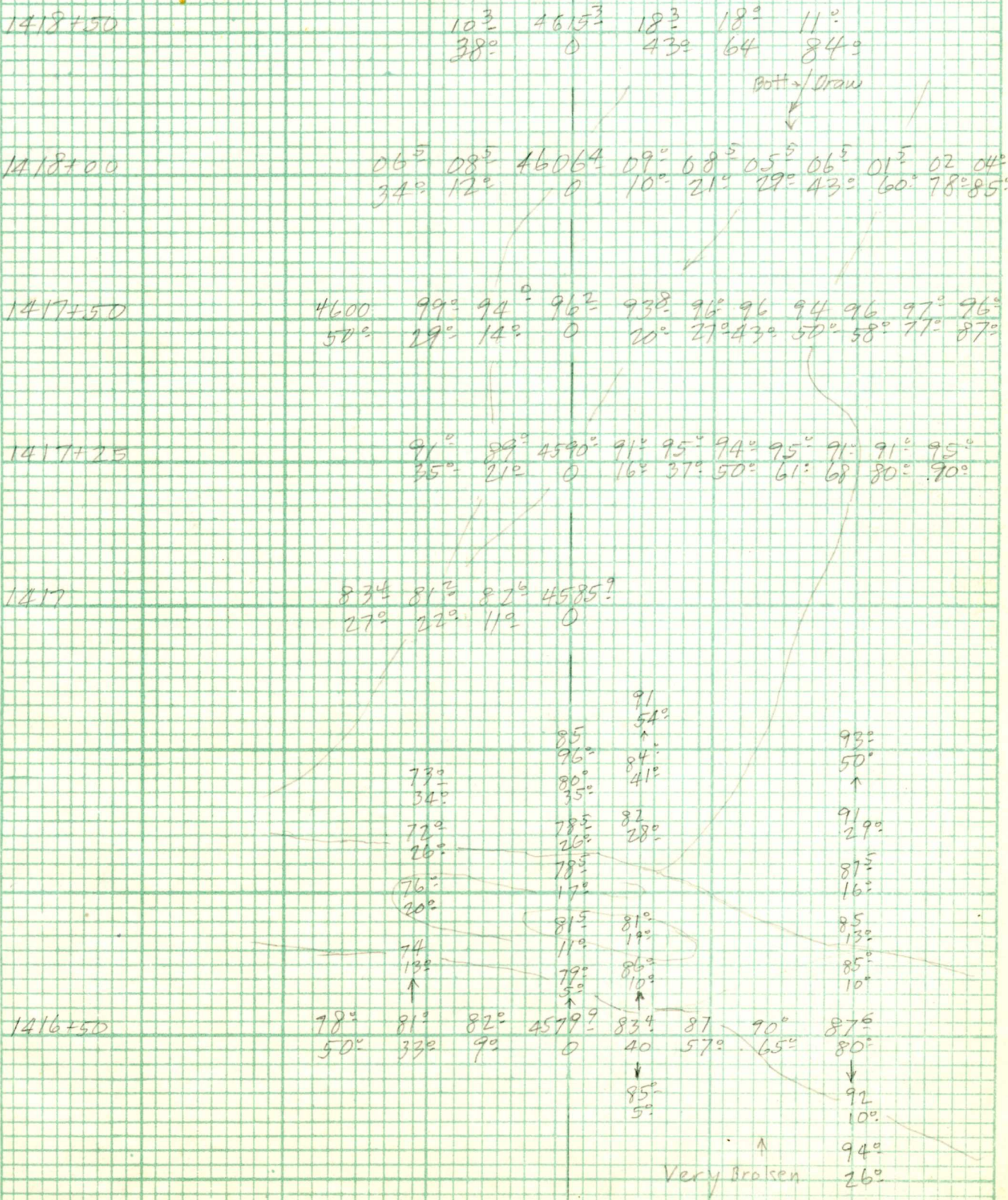
SURVEY No. _____

STATION C/10.

M. P. 313.9 PAGE 10 OF 15

DESC. OF WORK Cross Sections for Contour Map - E out from Main Line
 Tangent and Parallel 170° North.

total
 sheet TB



THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 13, 1940

FORM 585

SURVEY No. _____

ENGINEER C. C. Story

STATION C110

RODMAN G. Switzer

M. P. 313.9 PAGE 12 OF 15

CHAINMAN R. J. Benish

DESC. OF WORK Cross Sections for Contour Map - E out from and Parallel To Track Tangent 300° North.

1412+50

19⁶ 4623⁶ 31⁶ 36⁶
25° 0 50° 100°

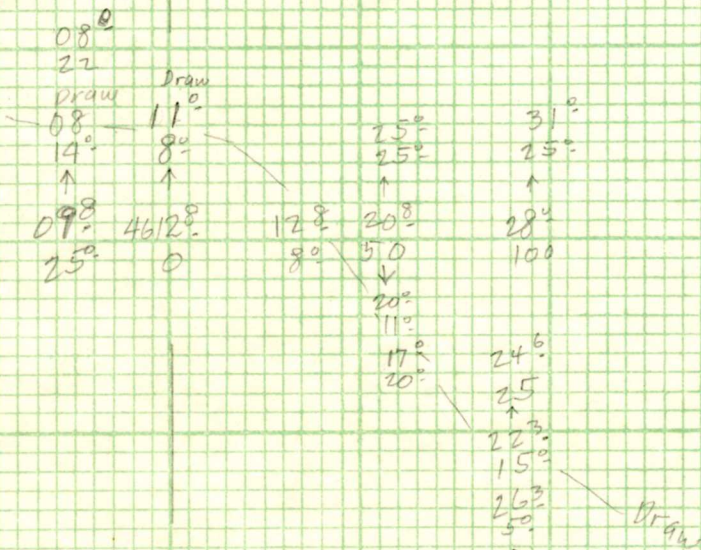
1412

18° 4621⁷ 28° 35°
25° 0 50° 100°

1411+50

11⁶ 4619⁹ 26° 31⁴
25° 0 50° 100°

1411



1410+50

23° 4625³ 258 27³
40° 0 50° 100

1410+25

28° 4630⁵ 33⁵ 35⁵
30° 0 50° 84°

1410

4631⁵ 37⁵ 39⁵
0 50 78°

THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 13, 1940
 ENGINEER C. C. Story
 RODMAN G. Switzer
 CHAINMAN R. J. Benish
 DESC. OF WORK Cross Sections for Contour Map - 4' out 300ft. from 4' Track Tangent and Parallel North Side.

FORM 585 SURVEY No. _____
 STATION Clio
 M. P. 313.9 PAGE 13 OF 15

W.P. Datum
 B.M. 4580.57
 Spike in 12" Pine
 60° Nor. Sta. 1415+20

1415+25	10° 30°	12° 21°	4613 ² 0	16° 14°	15° 27°	16	16	19 ⁵	21°	22 ⁵	100
1415	14 ⁵ 20°	15 ⁵ 9°	4617 ⁵ 0	21° 18°	21° 40°	23°	22°	25°	28°	100°	
1414+50	19 ³ 25°		4621 ⁸ 0	28 ⁵ 46°	26° 50°	30°	35°	36°	34 ³	37°	110
1414	22° 25°		4625 ^{1/2} 0	33 ⁵ 50°	40° 100°						
1413+50	22 ³ 25°		4625 ³ 0	32° 50°	38° 100°						
1413	21° 25°		4624 ³ 0	32° 50°	38 ³ 100						

Wash

THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 13, 1940
 ENGINEER C. C. Story
 RODMAN G. Switzer
 CHAINMAN R. J. Benish
 DESC. OF WORK Cross Sections for Contour Map - & North of Main Line 500ft.

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STATION Clio
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And Parallel to Tangent.

1413+00				4649 ³ 0							
1412+50	39° 80°	43° 50°	4649 ³ 0	56 ⁸ 50°	62° 80°						
1412	37° 80°	41° 50°	4647 ³ 0	54° 50°	59 ⁵ 80°						
1411+50	34° 80°	36 ⁵ 50°	4642 ⁴ 0	48 ⁴ 50°	51 ⁴ 80°						
1411+25	33° 80°	36° 50°	4641 ² 0	44 ⁵ 50	46° 80°						
1411+00	31° 88°	36° 50°	4639 ² 0	37 ⁷ 50°	37° 80° 33° 80° 32° 80° 32° 80° 17°						
1410+50	27 ⁶ 91°	24 ⁸ 75°	24 ⁵ 68°	29° 57° 25° 7° 25° 11° 29° 20°	32° 40° 31 ⁵ 14° 27° 20° 27° 15° 25°	4632 ¹ 0 30 ⁷ 10° 27° 15° 35° 25°	31 ⁶ 20°	32° 28°	31 ⁵ 32° 31 ⁵ 10°	35° 50°	41° 80°
1410	38° 100	37° 77°	37° 50	36 ⁶ 34°	4643 ¹ 0	50° 50°	54° 80°				

THE WESTERN PACIFIC RAILROAD COMPANY

DATE Nov. 13, 1940

FORM 555

SURVEY No. _____

ENGINEER E. C. Story

STATION Clid

RODMAN G. Switzer

M. P. 313.9 PAGE 15 OF 15

CHAINMAN R. J. Benish

DESC. OF WORK Cross Sections for Centour Map - North of Main Line 500 ft. And Parallel to Track Tangent

1415+25

20° 11⁴ 10° 10⁵ 17° 4621° 31° 39°
75° 51° 42° 36° 22° 0 50° 70°

1415

18° 18° 12° 107 4620° 31° 41°
86° 50° 31° 22° 0 50° 94°

1414+74

16⁵ 4614° 13° 15° 20°
21° 13° 0 7° 16°

1414+50

38° 32⁴ 26⁴ 21° 46214° 21° 18⁴ 19° 23⁴ 25 32⁴
84° 50° 25° 5° 0 6° 17° 33° 42° 50 80
↓ 194 30⁴
7° 13°
23⁴ 27°
15° 19°
27° 22°
32°
33°

1414+00

41° 42° 35° 4686² 35° 31° 36° 37°
80° 50° 90° 0 22° 46° 68° 85°

1413+50

40⁵ 43° 44° 47° 44° 4646° 44⁵ 44° 47°
80° 50° 42° 36° 31° 0 50° 67° 84°

1413+00

39⁵ 42⁵ 4649° 54⁵ 55° 57°
80° 50° 0 50° 75° 84°

Walk