

1359

TORREY-PINES
- PRELIM -

LEVEL BOOK

LEVEL BOOK

No. 380 F

56.19
MICROFILMED
DEC 23 1964

Our Leather Bound Engineers Note Books are carried in the following rulings:

- No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.
- No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.
- No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.
- No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter "F" to catalog number.

THE FREDERICK POST CO.
ENGINEERING and DRAFTING SUPPLIES
IRVING PARK STATION
CHICAGO, ILL.

X-Sections & Causeway from 0+00 of
Proposed Westly Torrey Pines Rd. Alignment
to S.F.R.R. Overhead Crossing

For Alignment see F.B. 1353, pg. 38

Sta	+	H.I.	-	Elev.
BM, B.P. End Curb Torrey Pines Grade				30.50
	12.26	42.76		
			0.66	42.10
	12.50	54.60		
			0.72	53.88
	11.01	64.89		
			8.68	56.21
BM, # 6				56.19
				<u>.02</u>
				30.50
BM, B.P.				30.50
	1.02	31.52		
			10.55	20.97
T.P.	2.25	23.22 ✓		
				0+40 South
70-E Foot of Bluff			5.3	17.9
18-E			7.5	15.7
11-E			18.0	5.2
⊕			20.1	03.1
T.P.			13.0	10.22
Hand Level	0.0	10.22		
75-W			9.6	0.6

Plotted
10-10-29
T.G.H.

JAEGGER
Bailey
Clavert
Kearnan

July 26th 1929

Sta	+	H.I.	-	Elev.
	0+22	South		
75-W			9.6	0.6
⊕			7.3	2.9
	Instr.	23.22 ✓		
50-E			11.2	12.0
55-E			6.3	16.9
85-E		Foot of Bluff	4.0	19.2
		0+16	South	
91-E		Foot of Bluff	3.4	19.8
74-E			5.4	17.8
65-E			8.3	14.9
		T.P.	13.0	10.22
		Hand Level	0.0	10.22
19-E			3.6	6.6
⊕			3.0	7.2
10-W			7.7	2.5
75-W			9.0	1.2
		0+00		
75-W			9.0	1.2
13-W			8.1	2.1
		Instr.	23.22 ✓	
⊕			12.2	11.0
30-E			9.4	13.8
45-E			12.1	11.1

STA	+	H.I.	-	Elev.
95-E			3.1	20.1
		0+50 North		
124-E			0.0	23.2
10-E			9.6	13.6
			13.0	10.22
	T.P.			
	Handlevel	0.0	10.00	
⊕			3.00	7.0
14-W			8.0	2.2
75-W			9.0	1.2
		1+00 North		
75-W			9.0	1.2
20-W			9.0	1.2
	Instr.	23.00		
5-W			10.8	12.4
⊕			10.4	12.8
37-E	Edge of Pavement		7.07	16.15
120-E			0.0	23.2
B.P. End of Curb				30.50
		0.98	31.48	
150-E			7.5	24.0
	T.P.		12.38	19.10
		0.53	19.63	
		1+25 North		
⊕			5.7	13.9
8-W			7.0	12.6

STA	+	H.I.	-	Elev.
20-W			17.0	2.6
12-E	W. Edge Pavement		5.70	13.91
51-E	E " "		6.08	13.55
	Curb		5.23	14.40
64-E			5.2	14.4
92-E			12.1	7.5
150-E			7.4	12.2
		1+50 North		
⊕	W. Edge Pavement		7.1	12.5
10-W			6.5	13.1
22-W			17.0	2.6
32-E	E. " "		7.84	11.8
	Curb		7.04	12.6
39-E			6.0	13.6
62-E			15.0	4.6
100-E			15.3	4.3
150-E			10.5	9.1
		1+75 North		
⊕	Pavement		8.05	11.58
8-W	West Edge Pavement		7.66	11.97
15-W			7.1	12.5
25-W			16.3	3.3
21-E	E. " "		8.75	10.89
	Curb		7.70	11.93
28-E			6.0	13.6

STA	+	H.I.	-	Elev.	STA	+	H.I.	-	Elev.
45-E			14.5	5.1		4+00	North		
100-E			16.5	3.1	☒	Pavement		3.45	11.57
150-E			13.5	6.1	17-W			3.5	11.5
	T.P.		7.8	11.81	25-W			12.9	2.1
	3.21	15.02			13-E			3.3	11.7
	2+00	North			16-E			2.7	12.3
☒	Pavement		3.47	11.55	35-E			8.3	6.7
9-W	W-Edge	Pavement	3.25	11.77	50-E			11.1	3.9
15-W			2.8	12.2	100-E			12.4	2.6
25-W			11.5	3.5	150-E			10.4	4.6
18-E	E.	"	4.15	10.87		5+00	North		
✓	Curb		3.17	11.85	☒	Pavement		3.41	11.61
36-E			10.5	4.5	11-W			3.5	11.5
100-E			12.6	2.4	16-W			3.2	11.8
150-E			10.4	4.6	25-W			12.3	2.7
	3+00	North			7-E			3.6	11.4
☒	Pavement		3.41	11.61	16-E			2.9	12.1
11-W			3.61	11.41	38-E			11.4	3.6
16-W			2.7	12.3	85-E			12.9	2.1
25-W			11.5	3.5	100-E			11.0	4.0
11-E	E. Edge	Pavement	3.63	11.39	150-E			9.9	5.6
20-E			3.2	11.8		T.P.		3.03	11.99
51-E			12.2	2.8		3.01	15.00		
100-E			14.3	1.7		6+00	North		
150-E			15.4	-0.4	☒	Pavement		3.43	11.57

STA	+	H.I.	-	Elev.
12-W			3.4	11.6
17-W			3.4	11.6
25-W			12.4	2.6
15-E			3.3	11.7
30-E			9.3	5.7
50-E			10.2	4.8
100-E			12.6	2.4
140-E			9.3	5.7
150-E			9.6	5.4
	7+00			
¢ Pavement			3.44	11.56
19-W			3.7	11.3
27-W			12.1	2.9
15-E			3.3	11.7
28-E			9.1	5.9
50-E			9.9	5.1
100-E			11.6	3.4
150-E			10.1	4.9
	8+00			
¢ Pavement			3.4	11.6
11-W			3.3	11.7
20-W			2.8	12.2
28-W			12.6	2.4
17-E			3.3	11.7
30-E			9.2	5.8

STA	+	H.I.	-	Elev.
50-E			12.2	2.8
100-E			12.8	2.2
150-E			10.6	4.4
			3.16	11.84
	2.82	14.66		
	9+00			
¢ Pavement			3.04	11.62
12-W			3.0	11.7
19-W			2.0	12.7
29-W			11.9	02.8
13-E			3.2	11.5
17-E			2.7	12.0
32-E			10.4	4.3
70-E			13.1	1.6
100-E			13.3	1.4
150-E			10.1	4.6
	10+00			
¢ Pavement			3.02	11.64
19-W			2.7	12.0
29-W			11.0	3.7
17-E			2.8	11.9
30-E			9.3	5.4
50-E			11.0	3.7
100-E			13.5	1.2
150-E			12.3	2.4

STA + H.I. - Elev.

11+00

♻ Pavement 3.07 11.59
 11-W 3.1 11.6
 18-W 2.9 11.8
 29-W 12.0 2.7
 14-E 3.2 11.5
 18-E 3.0 11.7
 33-E 11.0 3.7
 100-E 13.5 1.2
 150-E 13.4 1.3

12+00

♻ Pavement 3.09 11.57
 19-W 2.9 11.8
 29-W 12.5 2.2
 16-E 3.5 11.2
 35-E 10.8 3.9
 100-E 14.1 0.6
 150-E 15.6 - 0.9

T.P.

4.04 15.23

13+00

♻ Pavement 3.59 11.64
 15-W 3.7 11.5
 30-W 12.3 2.9
 15-E 3.6 11.6

STA + H.I. - Elev.

5

27-E 10.4 4.8
 50-E 12.1 3.1
 100-E 16.4 - 1.2
 150-E 15.7 - 0.5

14+00

♻ Pavement 3.62 11.61
 17-W 3.5 11.7
 30-W 12.5 2.7
 14-E 3.8 11.4
 17-E 3.4 11.8
 32-E 11.0 4.2
 100-E 15.5 - 0.3
 150-E 15.9 - 0.7

15+00

♻ Pavement 3.62 11.61
 18-W 3.0 12.2
 30-W 12.6 12.6
 13-E 3.8 11.4
 17-E 3.6 11.6
 30-E 10.6 4.6
 100-E 15.4 - 0.2
 150-E 16.2 - 1.0

16+00

♻ Pavement 3.61 11.6
 15-E 4.2 11.0

Sta	+	H.I.	-	Elev.
27-W			12.2	3.0
13-E			3.9	11.3
20-E			3.6	11.6
35-E			10.5	4.7
80-E			14.3	0.9
100-E			14.3	0.9
150-E			15.7	-0.5
	T.P.		3.12	12.11
	1.69	13.80	x	
	17+00			
☒ Pavement			2.22	11.58
18-W			1.7	12.1
33-W			11.4	2.6
11-E			2.6	11.2
15-E			1.7	12.1
31-E			10.7	3.1
60-E			13.8	0.0
100-E			15.0	-1.2
150-E			14.0	-0.2
	18+00			
☒ Pavement			2.56	11.14
10-W			2.7	11.1
18-W			2.0	11.8
30-W			10.0	3.8
20-E			2.6	11.2

Sta	+	H.I.	-	Elev.
33-E			9.5	4.3
100-E			15.0	-1.2
150-E			15.4	-1.6
	19+00			
☒ Pavement			3.04	10.76
10-W			3.2	10.6
17-W			3.1	10.7
28-W			9.8	4.0
14-E			3.2	10.6
18-E			2.6	11.2
34-E			10.5	3.3
100-E			15.0	-1.2
150-E			13.7	0.1
	20+00			
☒ Pavement			3.56	10.24
10-W			3.7	10.1
17-W			3.2	10.6
30-W			10.2	3.6
13-E			3.7	10.1
18-E			2.9	10.9
33-E			9.7	4.1
84-E			14.8	-1.0
100-E			13.0	0.8
150-E			15.0	-1.2

Sta	+	H.I.	-	Elev
	21+00			
¢ Pavement			4.60	9.2
10-W			4.7	9.1
17-W			4.2	9.6
26-W			9.6	4.2
13-E			4.8	9.0
18-E			4.0	9.8
28-E			10.5	3.3
65-E			12.6	1.2
100-E			16.0	-2.2
150-E			15.5	-1.7

22+00

T.P.			5.25	8.55
	1.66	10.21		
¢ Pavement			2.43	7.78
10-W			2.4	7.8
18-W			1.6	8.6
33-W			8.6	1.6
13-E			2.7	7.5
18-E			1.8	8.4
34-E			10.3	-0.1
44-E			12.2	-2.0
100-E			12.9	-2.7
116-E Waters Edge			13.6	-3.4

Sta	+	H.I.	-	Elev
	23+00			
¢ Pavement			3.98	6.23
10-W			4.0	6.2
17-W			3.6	6.6
30-W			7.5	2.7
13-E			4.4	5.8
17-E			3.6	6.6
30-E			10.7	-0.5
45-E			13.2	-3.0
74-E Waters Edge			13.4	-3.2

24+00

¢ Pavement			5.37	4.84
10-W			5.2	5.0
14-W			3.5	6.7
40-W			8.4	1.8
13-E			5.6	4.6
16-E			4.5	5.7
30-E			12.0	-1.8
48-E Waters Edge			14.0	-3.8

25+00

¢ Pavement			6.01	4.20
9-W			6.0	4.2
14-W			3.8	6.4
37-W			8.4	1.8
9-E			6.3	3.9

STA		+	H.I.	-	Elev.
14-E				4.9	5.3
32-E				13.0	-2.8
65-E	Water's Edge			13.8	-3.6
		26+50	7 ⁰	B.C.	
¢				6.40	3.8
9-W				6.6	3.6
38-W				8.4	1.8
13-E				6.7	3.5
20-E				5.6	4.6
41-E				12.6	-2.4
100-E				14.0	-3.8
127-E	Water's Edge			13.7	-3.5
		28+15	3	S-End Bridge	
¢	Pavement			6.9	3.3
8-W				7.0	3.2
10-W				9.6	0.6
21-W				11.6	-1.4
8-E	Top			6.9	3.3
✓	Prot.			11.7	-1.5
20-E	Water's Edge			14.6	-4.4
	T.P.			7.03	3.18
		3.92	7.10	4	
		31+27	5 ¹	B.C. N-End Bridge	
¢	Pavement			4.07	3.03
9-W				4.11	2.99

STA		+	H.I.	-	Elev.
✓	Bottom			9.1	-2.0
9-E				4.0	3.1
✓	Bottom			9.0	-1.9
		31+85	0 ¹	E.C.	
¢				4.4	2.7
9-W				4.5	2.6
13-W				4.4	2.7
17-W				7.7	-0.6
10-E				4.7	2.4
21-E				9.2	-2.1
100-E				10.5	-3.4
		33+00			
¢	Pavement			4.91	2.19
9-W				5.3	4.8
12-W				5.1	2.0
22-W				8.9	-1.8
9-E				5.0	2.1
12-E				4.7	2.4
22-E				10.0	-2.9
50-E				11.3	-4.2
		34+00			
¢	Pavement			5.12	1.98
13-W				5.6	1.5
23-W				9.3	-2.2
20-E				5.6	+1.5

Sta	+	H.I.	-	Elev.
40-E			10.2	-3.1
50-E			10.6	-3.5
	35+00			
¢			5.56	1.54
10-W			5.8	1.3
35-W			6.9	1.2
43-W			10.2	-3.1
20-E			5.9	1.2
25-E			9.0	-1.9
50-E			9.8	-2.7

36+49⁴⁰ ¢ S.F. Viaduct

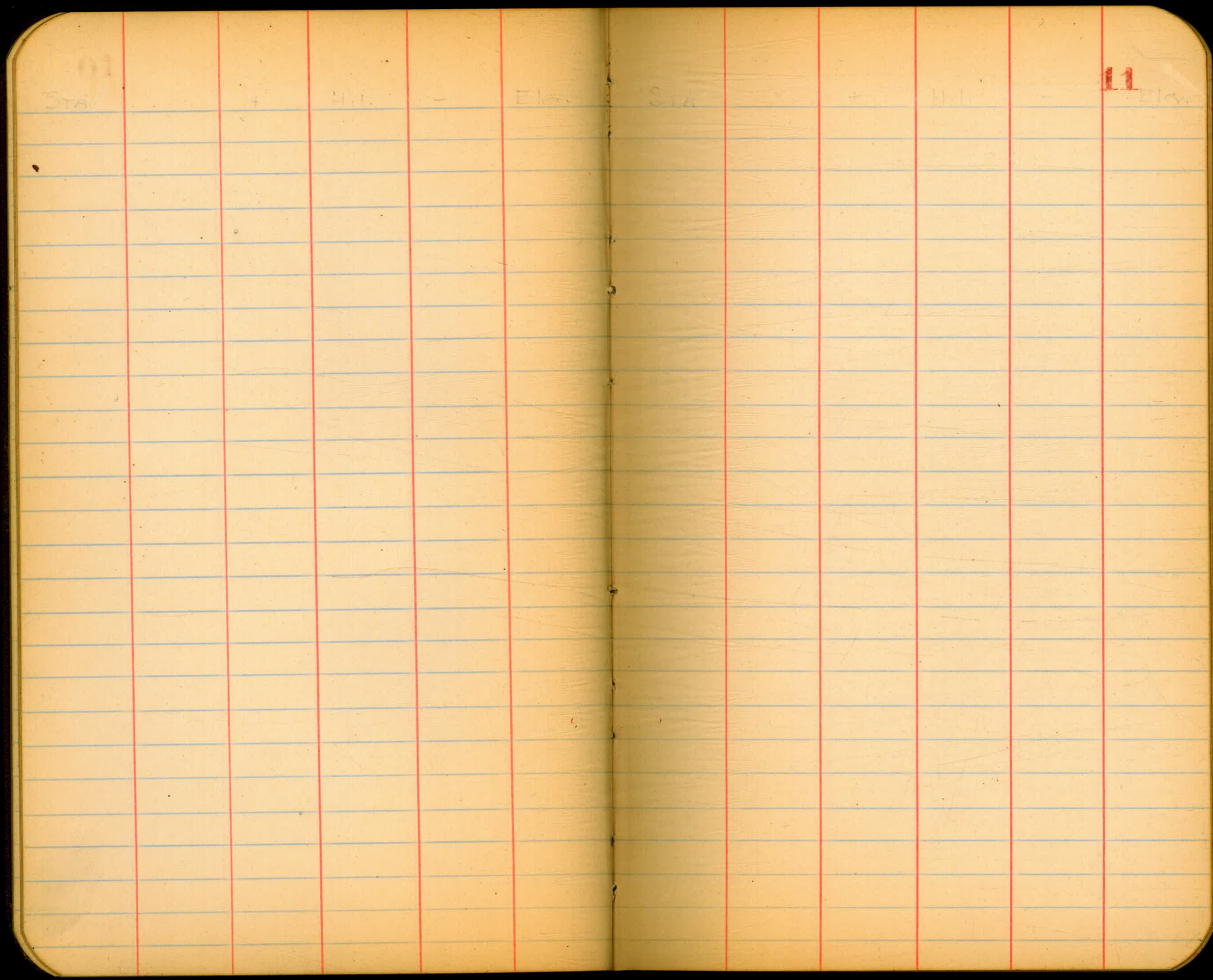
¢			6.03	1.07
Set B.M. on Pile beneath Viaduct (Head of Spike)			7.62	-0.52

Width of Viaduct 40.5 feet
 Clearance " 14.5 feet

Check levels to B.M.

9

Sta	+	H.I.	-	Elev.
T.P.			3.68	3.44
	7.39	10.81		
T.P.			1.50	9.31
	7.55	16.86		
T.P.			5.54	11.32
	5.05	16.37		
T.P.			4.70	11.67
	5.06	16.73		
T.P.			2.18	14.55
	11.39	25.94		
T.P.			1.40	24.54
	8.20	32.74		
			2.25	30.49
B.M. to P. End Cub Torrey Pines Grade				30.50
				.01



01

Sta

+

Sta

-

Elev

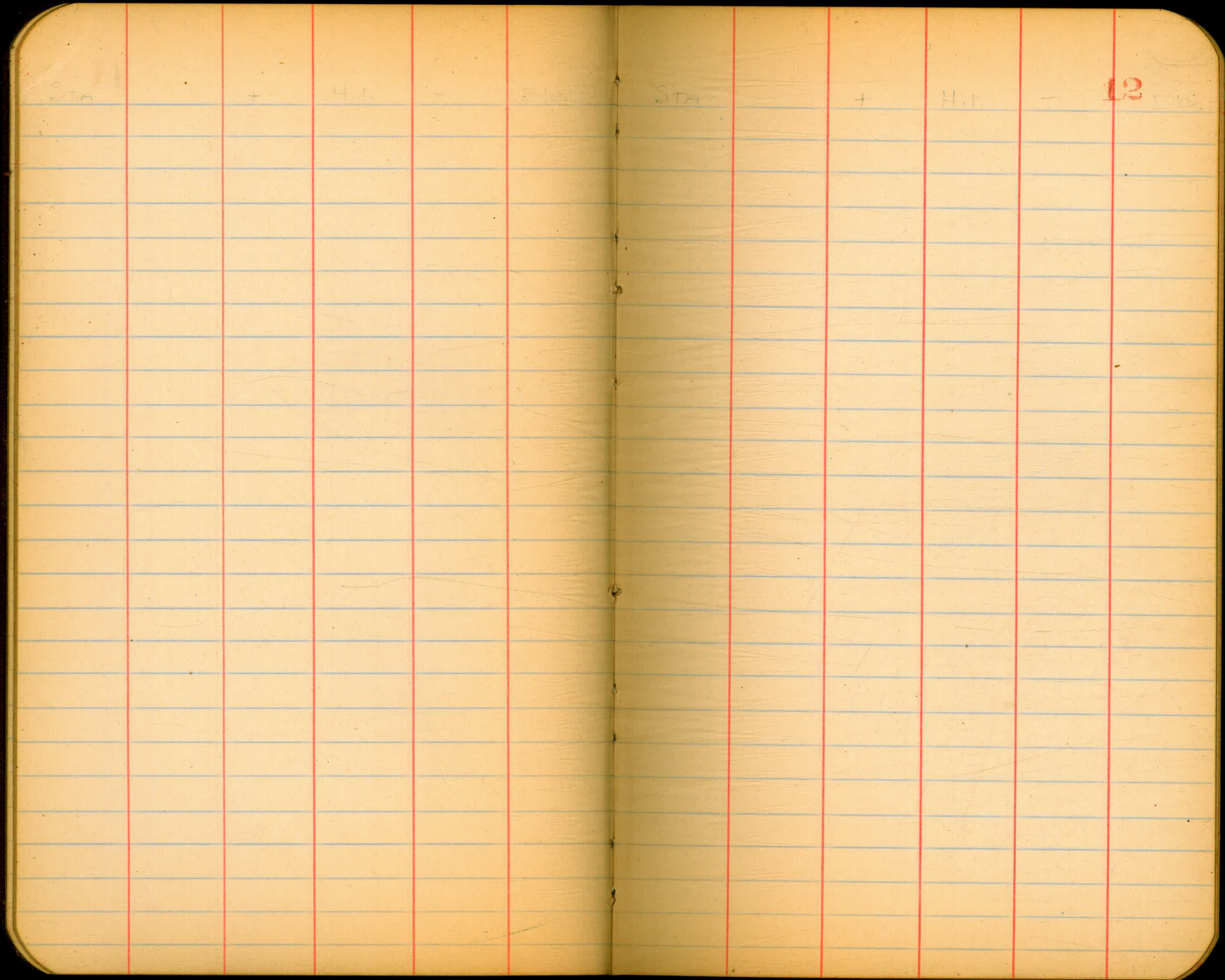
Sta

+

Sta

11

Elev



Sta

+

H.I.

-

Sta

Sta

+

H.I.

Sta

+

Hgt.

-

Elev.

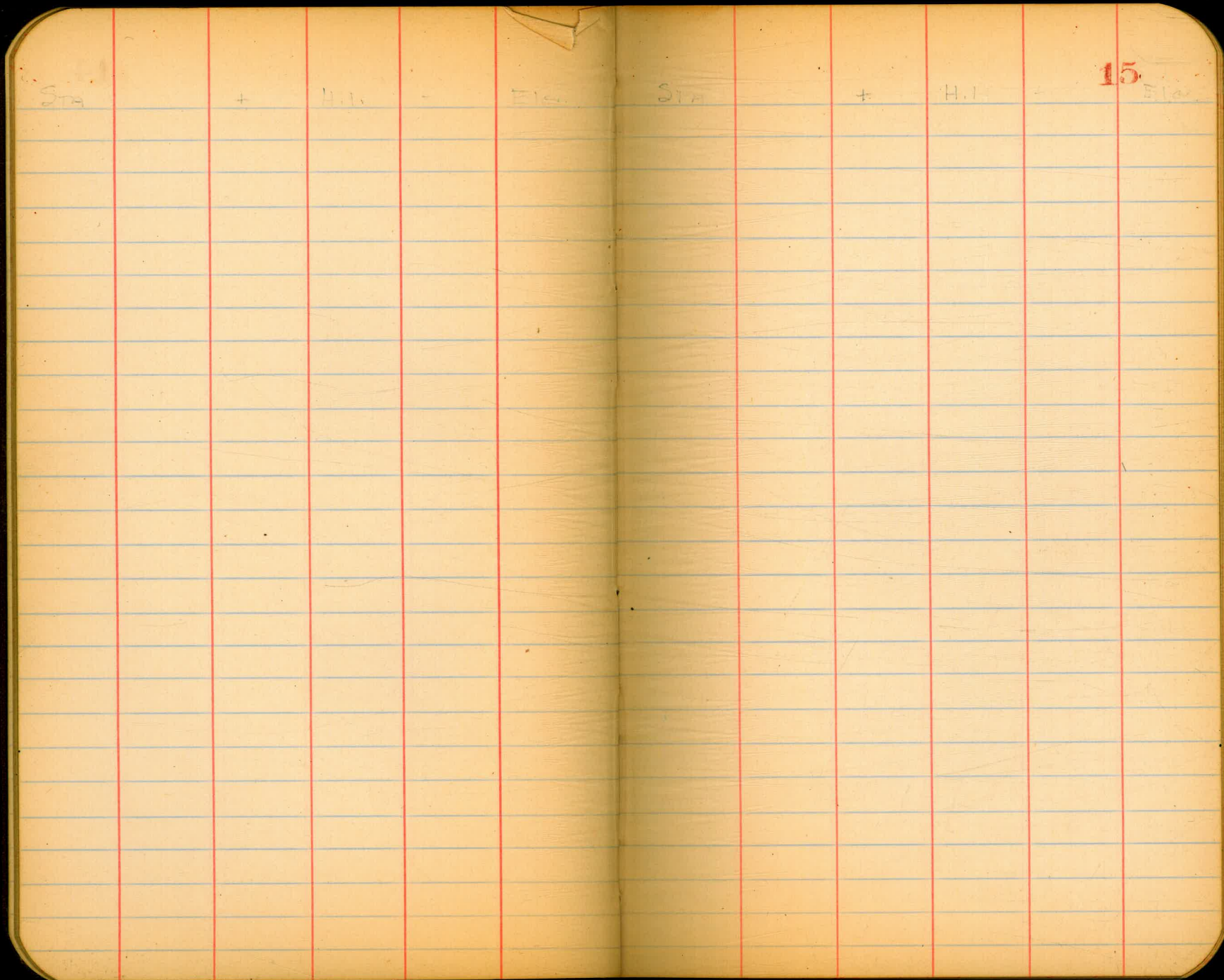
Sta

+

Hgt.

-

Elev.



23

Continued from F. B. 1358, pg. 73

40

Sta		+	H.I.	-	Elev.
	T.P.				317.17
		45+50			
	Handls	0.0	317.17		
200-E				0.0	317.2
✓	15-N			1.7	315.5
✓	15-S			+1.5	318.7
150-E				2.0	315.2
✓	15-N			4.5	312.7
✓	15-S			1.7	315.5
140-E				14.5	302.7
✓	15-N			16.5	300.7
✓	9-S			11.5	305.7
✓	15-S			15.4	301.8
	T.P.			13.0	304.17
		0.0	304.17		
100-E				13.0	291.2
✓	15-N			16.5	287.7
✓	15-S			13.6	290.6
B.M.					329.40
		1.14	330.54		
	T.P.			13.26	317.28
		0.61	317.89		
	T.P.			13.10	304.79
		0.14	304.93		
	T.P.			12.39	292.54

Sta		+	H.I.	-	Elev.	Sta		+	H.I.	-	Elev.
		0.41	292.95	*				46+00			
	T.P.			13.0	279.95	200-W				0.0	306.0
	Hand L	0.0	279.95			✓	15-N			1.0	305.0
50-E				6.0	272.0	✓	15-S			+1.0	307.0
✓	15-N			4.7	275.3		T.P.			13.0	292.95
✓	15-S			4.7	275.3		Instr.	292.95	*		
✓	15-N			11.3	268.7		T.P.			13.0	279.95
✓	15-S			14.4	267.6		Hand L	0.0	279.95		
	T.P.			10.0	270.0	139-W				16.0	264.0
		0.0	266.95	13.0	266.95	✓	15-N			18.0	262.0
						✓	15-S			18.0	262.0
50-W				3.8	262.2	50-W				11.6	268.4
	15-N			4.8	262.2	✓	15-N			13.2	266.8
	15-S			2.8	264.2	✓	15-S			11.0	269.0
	T.P.			0.0	266.95	⊥				5.9	276.1
		13.0	279.95			✓	15-N			6.9	273.1
128-W				24.0	256.0	✓	15-S			5.6	274.4
✓	15-N			24.1	255.9		Instr.	292.95	*		
✓	15-S			24.0	256.0	50-E				15.0	278.0
		Instr.	292.95	*		✓	15-N			16.5	276.5
	T.P.			0.0	292.95	✓	15-S			14.0	279.0
	Hand L	13.0	305.95			100-E				6.0	287.0
200-W				+6.0	312.0	✓	15-N			0.8	292.2
	15-N			+7.0	313.0	✓	15-S			6.6	286.4
	15-S			+4.0	310.0		T.P.			0.0	292.95
	25-N			5.5	300.5						

Sta		+	H.I.	-	Elc.
		13.0	305.95		
150-E				3.7	302.3
✓	15-N			0.0	306.0
✓	15-S			4.0	302.0
	T.P.			0.0	305.95
		13.0	318.95		
	T.P.			0.0	318.95
		10.0	328.95		
165-E				10.0	319.0
✓	15-N			10.4	318.6
✓	25-S			7.4	321.6
200-E				8.0	321.0
✓	15-N			9.5	319.5
✓	23-S			6.2	322.8
✓	25-S			13.0	316.0
	T.P.			13.0	315.95
		0.0	315.95		
		46+50			
200-E				10.7	305.3
✓	8-N			7.0	309.0
✓	15-S			12.0	304.0
165-E				0.6	315.4
✓	10-N			+ 4.6	320.6
✓	15-S			9.8	306.2
	T.P.			13.0	302.95

Sta		+	H.I.	-	Elc.
		0.0	302.95		
150-E				4.9	298.1
✓	10-N			5.0	298.0
✓	15-S			4.8	298.2
100-E				16.0	287.0
✓	15-N			16.5	286.5
✓	15-S			14.7	288.3
		Instr.	292.95	*	
50-E				12.0	281.0
✓	15-N			12.4	280.6
✓	15-S			5.5	287.5
¢				18.8	274.2
✓	15-N			18.0	275.0
✓	15-S			16.0	277.0
	T.P.			13.0	279.95
	Hand L	0.0	279.95	✓	
50-W				12.3	267.7
✓	15-N			11.0	269.0
✓	15-S			12.5	267.5
137-W				16.0	264.0
✓	15-N			17.2	262.8
✓	15-S			15.1	264.9
	T.P.			0.0	279.95
		13.0	292.95		
	T.P.			0.0	292.95

Sta		+	H.I.	-	Elev.	Sta		+	H.I.	-	Elev.
	T.P.	13.0	305.95	0.0	305.95		T.P.			0.41	292.59
200-W		13.0	318.95	14.5	304.5			12.48	305.02	4	
✓	15-N			12.5	306.5	21-E				10.0	295.0
✓	15-S			15.3	303.7	✓	15-N			8.8	296.2
		47+00				✓	17-N			14.0	291.0
200-W				13.7	305.3	✓	13-S			17.0	288.0
✓	10-N			17.1	301.9	✓	20-S			13.0	292.0
✓	15-S			10.0	309.0	50-E				6.5	298.5
	T.P.			13.0	305.95	✓	15-S			9.5	295.5
		0.0	305.95			✓	20-S			0.0	305.0
	T.P.			13.0	292.95	✓	13-N			2.1	302.9
		0.0	292.95			✓	21-N			5.3	299.7
	T.P.			13.0	279.95	✓	23-N			15.3	289.7
		0.0	279.95			59-E				2.8	302.2
145-W				13.6	266.4	✓	5-S			+4.0	309.0
✓	15-N			13.6	266.4	✓	13-N			0.8	304.2
✓	15-S			13.6	266.4	✓	16-N			12.5	292.5
50-W				11.8	268.2	60-E				8.0	297.0
✓	15-N			12.2	267.8	87-E				10.1	294.9
✓	15-S			10.4	269.6	✓	4-S			9.4	295.6
		Instr.	292.95	4		✓	15-N			16.0	289.0
♠				10.7	282.3	100-E				11.0	294.0
✓	5-N			8.5	284.5	✓	3-S			6.1	298.9
✓	10-N			13.3	279.7	✓	10-S			5.1	299.9
✓	15-S			12.3	280.7	✓	15-N			16.0	289.0

STA		+	H.I.	-	Elev.
150-E				11.8	2932
✓	15-S			10.0	290.0
✓	15-N			12.0	293.0
200-E				7.0	298.0
✓	15-N			7.0	298.0
✓	15-S			0.0	305.0
	T.P.			0.0	305.02
	Hand L	13.0	318.02		
		47+50			
	T.P.			0.0	318.02
		13.0	331.02		
200-E				12.0	319.0
✓	15-N			19.0	312.0
✓	15-S			6.0	325.0
150-E				17.3	313.7
✓	15-N			20.5	310.5
✓	15-S			8.3	322.7
100-E				10.3	320.7
✓	15-S			7.0	324.0
✓	25-N			22.0	309.0
87-E				13.3	317.7
✓	15-S			7.0	324.0
✓	43-N			18.0	313.0
	T.P.			13.0	318.02
		0.0	318.02		

STA		+	H.I.	-	Elev.
50-E				13.6	304.4
✓	15-S			9.4	308.6
		Instr.	305.02	x.	
✓	15-N			3.6	301.4
✓	34-N			1.4	303.6
✓	15-N			9.9	295.1
✓	15-S			15.3	289.7
	T.P.			3.9	301.1
	Hand L	0.0	292.02	13.0	292.02
50-W				9.7	282.3
✓	15-N			14.0	278.0
✓	20-S			0.0	292.0
	T.P.			13.0	279.02
		0.0	279.02		
100-W				10.1	268.9
✓	15-N			10.2	268.8
✓	15-S			8.3	270.7
140-W				9.4	269.6
✓	15-N			10.4	268.6
✓	15-S			9.3	269.7
		Instr.	305.02	x.	
	T.P.			0.0	305.02
	Hand L	13.0	318.02		
200-W				3.0	315.0

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Sta		+	H.I.	-	Elev.
		48+00			
200-W				+1.0	319.0
✓	15-N			+1.0	319.0
✓	15-S			+2.0	320.0
		Instr.	305.02	✗	
	T.P.			13.0	292.02
	Hand L	0.0	292.02		
185-W				18.0	274.0
✓	15-N			18.0	274.0
✓	15-S			18.0	274.0
120-W				19.8	272.2
✓	15-N			21.8	270.2
✓	15-S			18.8	273.2
107-W				8.7	283.3
✓	20-N			21.0	271.0
✓	15-S			4.0	289.0
		Instr.	305.02	✗	
65-W				3.0	302.0
✓	15-N			10.3	294.7
	T.P.			0.0	305.02
	Hand L	13.0	318.02		
✓	15-S			9.0	309.0
⊕				8.9	309.1
✓	15-N			13.8	304.2
✓	15-S			4.0	314.0

Sta		+	H.I.	-	Elev.
					45
		Instr.	305.02	✗	
				1.54	303.48
		11.85	315.33	✓	
				0.74	314.59
		12.37	326.96	✗	
	65-E			2.9	324.1
✓	15-N			7.4	319.6
✓	15-S			4.0	323.0
	T.P.			0.0	326.96
	Hand L	13.0	339.96		
	100-E			0.0	340.0
✓	15-N			5.6	334.4
✓	15-S			+0.5	339.5
	T.P.			0.0	339.96
		13.0	352.96		
	105-E			10.0	343.0
✓	13-N			11.2	341.8
✓	20-N			18.0	335.0
✓	5-S			10.0	343.0
✓	10-S			14.0	339.0
	150-E			8.1	344.9
✓	15-S			9.0	344.0
✓	8-N			7.3	345.7
✓	✓			15.0	338.0
✓	18-N			20.0	333.0

STA		+	H.I.	-	Elev.	STA		+	H.I.	-	Elev.
200-E				6.0	347.0	✓	22-N			10.5	316.5
✓	1-N			10.0	343.0	✓	15-S			9.6	317.4
✓	15-N			17.0	336.0	82-W				27.7	299.3
✓	15-S			5.7	347.3	✓	15-N			27.7	299.3
✓	25-S			4.3	348.7	✓	15-S			29.5	297.5
		48+50				100-W				50.3	276.7
200-E				9.3	343.7	✓	15-S			50.3	276.3
✓	10-N			6.0	347.0	✓	15-N			50.3	276.3
✓	15-S			11.0	342.0	145-W				49.8	277.2
135-E				12.0	341.0	✓	15-N			53.3	273.7
✓	15-N			10.4	342.6	✓	15-S			48.9	278.1
✓	15-S			15.0	338.0	208-W					328.9
	T.P.			13.0	339.96	✓	15-N				329.8
		0.0	339.96			✓	15-S				329.0
100-E				15.3	324.7			49+00			
✓	15-N			14.0	326.0	200-W					322.7
✓	15-S			15.5	324.5	✓	15-N				323.7
		Instr.	326.96	4		✓	15-S				320.5
50-E				7.0	320.0	125-W				48.0	279.0
✓	15-N			7.0	320.0	✓	15-N			44.0	283.0
✓	15-S			6.1	320.9	✓	15-S			49.0	278.0
⊥				6.7	320.3	100-W				48.4	278.6
✓	15-N			7.8	319.2	✓	15-N			46.6	281.0
✓	15-S			5.7	321.3	✓	15-S			48.5	278.5
50-W				9.1	317.9	50-W				12.2	314.8

Sta		+	H.I.	-	Elev.	Sta		+	H.I.	-	Elev.
✓	15-N			10.8	316.2	✓	15-S			16.5	323.5
✓	15-S			14.0	313.0	100-E				19.0	321.0
⊕				9.0	318.0		Inst.	326.96		*	
✓	15-N			7.5	319.5	✓	15-N			5.3	321.7
✓	15-S			10.1	316.9	✓	15-S			6.0	321.0
50-E				7.6	319.4	50-E				9.7	317.3
✓	15-N			6.3	320.7	✓	15-S			9.7	317.3
✓	15-S			7.8	319.7	✓	15-N			9.0	318.0
100-E				4.7	322.3	⊕				12.9	314.1
✓	15-S			5.5	321.5	✓	15-N			13.2	313.8
✓	15-N			3.3	323.7	✓	15-S			12.9	314.1
	T.P.			0.0	326.96	B.M.				12.9	314.1
	Hand L	13.0	339.96					1.58	330.98		
150-E				13.0	327.0	T.P.				13.22	317.76
✓	15-N			11.0	329.0			9.39	327.15	*	
✓	15-S			13.0	327.0	55-W				24.8	302.4
200-E				5.1	334.1	✓	15-N			27.3	299.9
✓	15-N			1.0	339.0	✓	15-S			23.0	304.2
✓	15-S			7.6	332.4	85-W				48.1	279.1
		49+50				✓	15-N			46.0	281.2
200-E				12.3	327.3	✓	15-S			48.0	279.2
✓	15-S			12.8	327.2	105-W				48.2	279.0
✓	15-N			12.0	328.0	✓	15-N			48.0	279.2
150-E				15.5	314.5	✓	15-S			48.1	279.1
✓	15-N			16.0	316.0						

STA		+	H.I.	-	Elev.	STA		+	H.I.	-	Elev.
141-W					314.0	50-E				7.5	319.7
200-W					324.45	✓	15-N			7.0	319.6
✓	15-N				325.2	✓	15-S			7.7	319.5
✓	15-S				323.2	100-E				6.7	320.5
		50+00				✓	15-N			7.1	320.1
200-W					318.8	✓	15-S			5.8	321.4
✓	15-N				318.0	150-E				3.8	323.4
✓	15-S				319.0	✓	15-N			4.9	322.3
146-W					323.3	✓	15-S			3.3	323.9
96-W				45.4	281.8		T.P.			0.0	327.15
✓	15-N			46.0	281.2		Hand L	13.0	340.15		
✓	15-S			39.0	288.2	200-E				13.4	326.8
70-W				45.0	282.2	✓	15-N			13.3	326.9
✓	15-N			45.0	282.2	✓	3-S			14.0	326.2
✓	15-S			45.0	282.2	✓	5-S			17.0	323.2
50-W				28.5	298.7	✓	15-S			19.2	321.0
✓	15-N			25.4	301.8		50+50	1matr.	327.15	4	
✓	15-S			31.6	295.6	200-E				6.3	320.9
18-W				16.9	310.3	✓	15-N			7.6	319.6
✓	15-N			15.2	312.0	✓	15-S			6.0	321.2
✓	15-S			19.6	307.6	170-E				10.5	316.7
⊕				12.4	314.8	✓	15-N			9.5	317.7
✓	15-N			11.0	316.2	✓	15-S			11.0	316.2
✓	9-S			12.4	314.8	150-E				5.3	321.9
✓	10-S			17.4	309.8	✓	15-N			3.9	323.3

Sta		+	H.I.	-	Elev.	Sta		+	H.I.	-	Elev.
✓	15-S			7.7	319.5	✓	15-N			19.8	307.4
100-E				6.7	320.5	✓	15-S			11.5	315.7
✓	15-N			6.1	321.1	12.5-W				8.2	319.0
✓	15-S			6.5	320.7	✓	15-N			8.2	319.0
50-E				12.6	314.6	✓	15-S			6.0	321.2
✓	15-N			8.4	318.8	T.P.				0.0	327.15
✓	15-S			18.0	309.2	Hand L	10.0		337.15		
15-E				14.7	312.5	200-W				8.3	328.9
✓	15-N			11.6	315.6	✓	15-N			10.1	327.1
✓	2-N			15.2	312.0	✓	15-S			5.8	331.4
✓	3-N			26.4	300.8						
✓	15-N			30.0	297.2	200-W				4.0	333.2
⊥				33.0	294.2	✓	15-N			4.0	333.2
✓	15-N			31.0	296.2	✓	15-S			3.4	333.8
✓	20-N			28.0	299.2	150-W				7.8	329.4
✓	15-S			38.8	289.4	✓	15-N			8.2	329.0
50-W				43.2	284.0	✓	15-S			6.0	331.2
✓	15-N			43.2	284.0						
✓	25-N			37.0	290.2	100-W				7.1	320.1
✓	10-S			43.8	283.4	✓	15-N			9.0	318.2
✓	15-S			41.8	285.4	✓	15-S			5.7	321.5
65-W				44.0	283.2	35-W				16.6	310.6
✓	15-N			44.5	282.7	✓	15-S			12.0	315.2
✓	6-S			39.0	288.2	✓	15-N			22.0	305.2
100-W				17.5	309.7						

51 +00

Instr. 327.15

Sta		+	H.L.	-	Elev.	Sta		+	H.L.	-	Elev.
12-W				36.4	2908			51+50			
✓	12-S			26.0	301.2	200-E				27.0	300.2
✓	3-N			40.0	287.2	✓	15-N			27.0	300.2
✓	15-N			40.8	286.4	✓	15-S			26.4	300.8
⊕				39.9	287.3	150-E				29.5	297.7
✓	13-S			26.0	301.2	✓	15-N			29.7	297.5
✓	27-N			41.0	286.2	✓	15-S			23.1	304.1
50-E				38.0	289.2	100-E				22.0	305.2
✓	12-N			37.7	289.5	✓	15-N			31.9	295.3
✓	17-N			31.7	295.5	✓	20-S			8.8	318.4
✓	15-S			35.6	291.6	75-E				15.5	311.7
75-E				36.0	291.2	✓	24-N			34.0	293.2
✓	15-S			36.0	291.2	✓	15-S			9.0	318.2
✓	14-N			26.0	301.2	40-E				33.5	293.7
100-E				26.4	300.8	✓	13-N			33.8	293.4
✓	7-S			33.4	293.8	✓	26-N			26.8	300.4
✓	15-S			33.5	293.7	✓	15-S			32.8	294.4
✓	15-N			19.4	307.8	⊕				8.0	319.2
150-E				30.0	297.2	✓	15-N			8.8	318.4
✓	15-S			30.0	297.0	✓	30-N			13.0	314.0
✓	5-N			29.8	297.4	✓	15-S			9.1	318.1
✓	15-N			24.0	303.2	T.P.				7.04	319.51
200-E				23.0	304.2			7.97	327.48	⊕	
✓	15-S			25.8	301.4	50-W				5.4	322.1
✓	15-N			22.0	305.2	✓	15-N			7.7	319.8

Sta		+	H.L.	-	Elev.	Sta		+	H.L.	-	Elev.
✓	15-S			5.0	322.5	✓	15-N			3.6	323.9
100-W				5.3	322.2	50-W				9.3	318.2
✓	15-S			5.2	322.3	✓	15-S			14.6	312.9
✓	15-N			5.6	321.9	✓	15-N			5.6	321.9
	T.P.			0.0	327.48	⊕				29.6	297.9
	Hand L	13.0	340.48			✓	15-S			22.0	305.5
150-W				12.3	328.2	✓	15-N			21.0	306.5
✓	15-S			12.6	327.9	50-E				9.6	317.9
✓	15-N			13.4	327.1	✓	15-S			7.6	318.9
157-W				9.4	331.1	✓	15-N			14.2	313.3
✓	15-N			10.7	329.8	100-E				7.9	319.6
✓	15-S			8.0	332.5	✓	15-S			7.3	320.2
200-W				6.6	333.9	✓	35-N			10.3	317.2
✓	15-N			7.0	333.5	155-E				9.0	318.5
✓	15-S			5.8	334.7	✓	15-S			8.0	319.5
		52+10				✓	15-N			17.1	310.4
200-W				4.3	336.2	160-E				23.1	✓ 304.4
✓	15-N			4.7	335.8	✓	15-N			20.1	307.4
✓	15-S			5.0	335.5	✓	15-S			23.0	✓ 304.5
150-W				7.5	333.0	185-E				11.0	316.5
✓	15-S			8.1	332.4	✓	15-S			9.5	318.0
✓	15-N			7.8	332.7	✓	15-N			16.9	310.6
		Instr.	327.48			200-E				13.5	314.0
100-W				2.7	324.8	✓	15-S			10.4	317.1
✓	15-S			3.8	323.7	✓	15-N			17.1	310.4

Sta		+	H.I.	-	Elv.
		52+50			
200-E				5.8	321.7
✓	15-N			7.1	320.4
✓	15-S			7.1	320.4
170-E				14.6	314.1
✓	15-S			14.2	315.3
✓	15-N			11.1	316.4
150-E				8.5	319.0
✓	25-N			15.9	311.6
✓	15-S			6.5	321.0
100-E				6.3	321.2
✓	15-S			7.2	320.3
✓	15-N			5.9	321.6
50-E				7.4	320.1
✓	15-N			7.0	320.5
✓	15-S			6.2	321.3
⊕				9.9	317.6
✓	15-N			13.2	314.3
✓	15-S			7.3	320.2
30-W				11.9	315.6
✓	15-N			14.2	313.3
✓	15-S			9.6	317.9
60-W				25.5	302.0
✓	15-N			26.2	301.3
✓	15-S			23.3	304.2

Sta		+	H.I.	-	Elv.
100-W				2.5	325.0
T.P.				0.0	327.48
Hand L		10.0	337.48		
✓	15-S			13.2	324.3
✓	15-N			13.5	314.0
150-W				10.5	327.0
✓	15-N			9.3	328.2
✓	15-S			9.0	328.5
156-W				7.5	330.0
✓	15-N			8.7	328.8
✓	15-S			6.8	330.7
200-W				4.4	333.1
✓	15-N			4.0	333.5
✓	15-S			5.0	332.5
✓	30-S			6.3	331.2
		53+00			
200-W				13.0	324.5
✓	12-N			12.4	325.1
✓	15-S			14.0	323.5
150-W				14.4	323.1
✓	15-N			12.9	324.6
✓	15-S			15.0	322.5
125-W				14.0	323.5
✓	15-N			13.0	324.5
✓	15-S			15.8	321.7

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Elv.

STA		+	H.I.	-	Elev.	STA		+	H.I.	-	Elev.
		Instr.	327.48	4.		150-E				6.6	320.9
K00-W				19.1	308.4	✓	20-S			7.8	319.7
✓	15-N			12.8	314.7	✓	15-N			6.8	320.7
✓	15-S			15.7	311.8	175-E				10.3	317.2
G0-W				8.6	318.9	✓	15-N			11.5	316.0
✓	15-S			7.8	319.7	✓	15-S			9.3	318.2
✓	15-N			9.1	318.4	200-E				6.1	321.4
✓				5.1	322.4	✓	15-S			6.4	321.1
✓	15-S			4.7	322.6	✓	15-N			6.7	320.8
✓	15-N			5.7	321.8			53+50			
50-E				2.9	324.6	200-E				5.5	322.0
✓	15-S			2.0	325.5	✓	15-N			5.5	322.0
✓	15-N			4.2	323.3	✓	15-S			5.5	322.0
80-E				1.8	325.7	150-E				5.3	322.2
✓	15-S			1.8	325.7	✓	15-N			5.2	322.3
✓	15-N			3.4	324.1	✓	15-S			4.8	322.7
90-E				5.0	322.5	100-E				1.6	325.9
✓	12-S			4.5	323.0	✓	15-N			2.9	324.6
✓	20-S			0.0	327.5	✓	15-S			+0.5	328.0
✓	15-N			5.5	322.0	88-E				+0.3	327.8
110-E				6.0	321.5	✓	15-S			+1.0	328.5
✓	13-S			4.0	323.5	✓	15-N			+0.3	327.8
✓	19-S			1.0	326.5	68-E				+0.4	327.9
✓	15-N			6.7	320.8	✓	15-N			+0.8	328.3
						✓	7-S			+0.4	327.9

Sta		+	H.I.	-	Elev.	Sta		+	H.I.	-	Elev.
✓	15-S			2.1	329.6	✓	15-S			5.9	321.6
35-E				2.3	329.8		T.P.			0.0	327.48
✓	15-S			4.9	322.6		Hand L	6.0	333.48		
✓	7-N			2.3	325.2						
✓	15-N			2.0	325.5	200-W				6.2	327.3
♀				3.8	323.7	✓	15-N			7.4	327.1
✓	21-S			3.5	324.0	✓	15-S			5.8	327.7
✓	15-N			3.8	323.7	150-W				8.0	325.5
50-W				15.0	312.5	✓	15-N			9.0	324.5
✓	15-S			14.0	313.5	✓	15-S			7.0	326.5
✓	15-N			10.0	317.5	100-W				9.7	323.8
75-W				7.9	318.6	✓	15-N			10.7	322.8
✓	15-S			6.1	321.4	✓	15-S			8.2	325.3
✓	15-N			17.9	309.6	50-W		1matr.	327.48	* 4.8	322.7
100-W				7.2	320.3	✓	15-S			3.5	324.0
✓	25-N			15.9	311.6	✓	15-N			6.9	320.6
✓	15-S			5.9	321.6	15-W				5.7	321.8
120-W				13.2	314.3	✓	10-N			10.2	317.3
✓	15-N			7.2	320.3	✓	19-N			6.3	321.2
✓	15-S			5.9	321.6	✓	15-S			3.3	324.2
150-W				10.8	316.7	♀				8.6	318.9
✓	15-N			5.9	321.6	✓	10-S			8.5	319.0
✓	15-S			5.0	322.5	✓	15-S			6.8	320.7
200-W				8.4	319.1	✓	6-N			6.2	321.3
✓	15-N			5.4	322.1	✓	15-N			5.6	321.9

Sta.	T.P.	+	H.L.	-	Elev.	Sta.	+	H.L.	-	Elev.
				4.47	323.01		54+50			
		12.87	335.88	x		200-E			12.1	323.8
50-E				13.5	322.4	✓	15-N		13.3	322.6
✓	15-S			14.0	321.9	✓	15-S		11.7	324.2
✓	25-S			13.2	322.7	135-E			10.3	325.6
✓	30-S			10.9	325.0	✓	15-N		11.2	324.7
✓	15-N			12.4	323.5	✓	15-S		10.2	325.7
75-E				11.0	324.9	✓	20-S		6.0	329.9
✓	15-S			11.0	324.9	130-E			7.0	328.9
✓	15-N			10.5	325.4	✓	15-S		6.1	329.8
80-E				8.0	327.9	✓	15-N		7.1	328.8
✓	15-N			7.5	328.4	100-E			7.3	328.6
✓	15-S			8.0	327.9	✓	15-N		8.0	327.9
100-E				6.8	329.1	✓	15-S		7.2	328.7
✓	15-S			7.5	327.4	57-E			8.9	327.0
✓	15-N			7.8	328.1	✓	10-N		9.5	326.4
115-E				10.8	325.1	✓	8-S		8.0	327.9
✓	15-S			10.7	325.2	✓	15-S		11.7	324.2
✓	15-N			10.6	325.3	50-E			12.7	323.2
150-E				13.5	322.4	✓	15-N		12.5	323.4
✓	15-S			13.2	322.7	✓	24-S		11.8	324.1
✓	15-N			13.0	322.9	✓	30-S		5.5	330.4
200-E				12.9	323.0	⊕			13.5	322.4
✓	15-N			12.6	323.3	✓	15-N		12.0	323.9
✓	15-S			13.4	322.5	✓	15-S		14.5	321.4

STA		+	H.I.	-	Elev.
20-W				7.3	328.6
✓	15-S			6.3	329.6
✓	15-N			8.7	327.2
50-W				7.7	328.2
✓	15-N			9.3	326.6
✓	15-S			6.4	329.5
100-W				6.2	329.7
✓	15-N			7.4	328.5
✓	15-S			5.6	330.3
150-W				4.5	331.4
✓	15-N			6.2	329.7
✓	15-S			3.8	332.1
	T.P.			-0.07	335.81
		11.53	347.34	4	
200-W				9.0	338.3
✓	15-N			11.0	336.3
✓	15-S			8.4	338.9
		55+00			
200-W				2.6	344.7
✓	15-N			5.9	341.4
✓	15-S			1.0	346.3
150-W				6.3	341.0
✓	15-N			8.5	338.8
✓	15-S			5.7	341.6
100-W				4.4	342.9

STA		+	H.I.	-	Elev.
✓	20-N			11.6	335.7
✓	15-S			4.1	343.2
60-W				5.4	341.9
✓	15-N			12.4	334.9
✓	15-S			3.7	343.6
17-W				12.0	335.3
✓	15-N			14.3	333.0
✓	22-S			4.2	343.1
⊕				16.8	330.5
✓	5-N			23.4	323.9
✓	15-N			23.4	323.9
✓	12-S			12.5	334.8
✓	15-S			9.7	337.6
✓	25-S			4.5	342.8
50-E				13.0	334.3
✓	20-S			4.8	342.5
✓	20-N			25.0	322.3
63-E				10.2	337.1
✓	20-S			4.8	342.5
✓	15-N			15.5	331.8
100-E				9.2	338.1
✓	15-S			4.6	342.7
✓	15-N			12.0	335.3
150-E				8.8	338.5
✓	15-S			4.7	342.6

Sta		+	H.I.	-	Elev.
✓	15-N			12.8	334.5
200-E				7.4	338.9
✓	15-S			4.4	342.9
✓	15-N			11.0	336.3
	T.P.			0.73	346.61
		13.16	359.77	*	
		55+50			
200-E				16.0	343.8
✓	15-S			15.5	344.3
✓	15-N			16.7	343.1
150-E				15.8	344.0
✓	15-N			17.0	342.8
✓	15-S			14.7	345.1
100-E				15.6	344.2
✓	15-N			16.8	343.0
✓	15-S			13.7	346.1
50-E				14.3	345.5
✓	15-N			16.3	343.5
✓	15-S			13.6	346.2
⊥				15.6	344.2
✓	15-N			16.0	343.6
✓	15-S			14.7	345.1
50-W				14.0	345.6
✓	15-N			15.1	344.7
✓	15-S			13.0	346.6

Sta		+	H.I.	-	Elev.
100-W				14.7	345.1
✓	15-N			14.8	345.0
✓	15-S			13.7	346.1
150-W				12.3	347.5
✓	15-N			13.7	346.1
✓	15-S			11.7	348.1
200-W				11.4	348.4
✓	15-N			12.4	347.4
✓	15-S			10.3	349.5
					56+00
200-W				8.0	351.6
✓	15-N			8.8	351.0
✓	15-S			7.5	352.3
150-W				8.3	351.5
✓	15-N			8.9	352.9
✓	15-S			7.6	352.2
100-W				9.8	350.0
✓	15-N			11.0	348.8
✓	15-S			8.6	351.2
50-W				8.7	351.1
✓	15-N			10.8	349.0
✓	15-S			7.8	352.0
⊥				11.8	348.0
✓	15-N			12.5	347.3
✓	15-S			10.4	349.4

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STA		+	H.I.	-	Elev.	STA		+	H.I.	-	Elev.
50-E				12.0	347.8	100-W				11.4	353.7
✓	15-N			12.4	347.4	150-W				12.0	353.1
✓	15-S			11.5	348.3	200-W				12.1	353.0
100-E				13.1	346.7						
✓	15-N			13.8	346.0	200-W				10.7	354.4
✓	15-S			12.0	347.8	150-W				9.6	355.5
150-E				14.0	345.8	100-W				9.9	355.2
✓	15-N			15.5	344.3	50-W				10.3	354.8
✓	15-S			12.9	346.9	☺				12.5	352.6
200-E				12.3	347.5	15-E				9.9	355.2
✓	15-S			11.6	348.2	50-E				11.4	353.7
✓	15-N			14.0	345.8	100-E				10.9	354.2
			56+50	13.39		150-E				12.1	353.0
					346.38	200-E				11.9	353.2
12M. P.C. on Curve Pavement					346.43						
					.05	200-E				9.6	355.5
	T.P.			1.80	357.97	150-E				9.9	355.2
		7.14	365.11	*		100-E				9.6	355.5
200-E				15.5	349.6	50-E				9.5	355.6
150-E				13.7	351.4	☺				9.5	355.6
100-E				14.1	351.0	45-W				10.2	354.9
50-E				13.5	351.6	50-W				8.7	356.4
☺				14.9	350.2	100-W				8.4	356.7
37-W				12.6	352.5	150-W				8.6	356.5
50-W				11.9	353.2	200-W				8.0	357.1

57+00

57+50

Sta	+	H.L.	-	Elev.	Sta	+	H.L.	-	Elev.
	58+00					59+00			
200-W			7.2	357.9	200-W			15.5	359.2
150-W			7.5	357.6	150-W			15.1	359.6
100-W			7.5	357.6	100-W			14.5	360.2
50-W			7.3	357.8	50-W			14.6	360.1
18-W			8.6	356.5	ϕ			14.3	360.4
ϕ			7.0	358.1	50-E			13.0	361.7
50-E			6.3	358.8	100-E			11.0	363.7
90-E			5.5	359.6	150-E			9.0	365.7
100-E			8.0	357.1	163-E			8.3	368.4
140-E			7.2	357.9	165-E			9.3	365.4
150-E			5.5	359.6	ϕ Pavement			9.46	365.22
200-E			8.0	357.1		59+50			
	58+50				ϕ Pavement			8.03	366.65
	T.P.		2.21	362.90	150-E			8.1	366.6
	11.78	374.68	4		145-E			7.5	367.2
200-E			11.0	363.7	100-E			9.9	364.8
150-E			11.8	362.9	50-E			11.7	363.0
100-E			13.3	361.4	ϕ			12.6	362.1
50-E			15.3	359.4	50-W			13.3	361.4
ϕ			15.1	359.6	100-W			14.3	360.4
50-W			15.4	359.3	150-W			13.4	361.3
100-W			15.6	359.1	200-W			14.1	360.6
150-W			16.0	358.7		60+00			
200-W			16.1	358.6	200-W			13.4	361.3

Sta	+	H.L.	-	Elev.
150-W			12.3	362.4
100-W			13.3	362.4
50-W			11.5	363.2
⊕			10.5	364.2
50-E			9.6	365.1
100-E			8.2	366.5
122-E			6.1	368.6
⊕ Pavement			6.60	368.08
⊕ Pavement	60+50		4.95	369.73
100-E			5.0	369.7
90-E			6.3	368.4
50-E			7.5	367.2
⊕			8.8	365.9
50-W			9.7	365.0
100-W			10.7	364.0
150-W			11.6	363.1
200-W			12.0	362.7
⊕	61+00			
200-W			11.5	363.2
150-W			10.6	364.1
100-W			9.7	365.0
50-W			8.6	366.1
⊕			7.1	367.6
50-E			5.2	369.5

Sta	+	H.L.	-	Elev.
78-E			3.0	371.7
⊕ Pavement			2.82	371.86
T.P.			0.83	373.85
	12.62	386.47	*	
	61+50			
⊕ Pavement			12.74	373.73
60-E			13.3	373.2
50-E			14.7	371.8
⊕			17.6	368.9
50-W			19.1	367.4
100-W			20.3	366.2
150-W			21.3	365.2
200-W			21.1	365.4
	62+00			
200-W			19.3	367.2
150-W			18.8	367.7
100-W			18.5	368.0
50-W			17.3	369.2
⊕			15.2	371.3
35-E			13.7	372.8
45-E			11.8	374.7
⊕ Pavement			11.39	375.08
	62+50			
⊕			9.57	376.97
31-E			10.0	376.0

Sta	+	H.I.	-	Elev.	Sta	+	H.I.	-	Elev.
21-E			12.6	373.9	150-W			14.4	372.1
⊕			13.4	373.1	100-W			11.7	374.8
50-W			15.8	370.7	50-W			8.6	377.9
100-W			17.4	369.1	12-W			6.7	379.8
150-W			18.3	268.2	5-W			4.6	381.9
200-W			20.3	366.2	⊕			4.6	381.9
	63+00				⊕			4.50	381.97
200-W			19.6	366.9	⊕	Parement			
150-W			17.8	368.7		64+50			
100-W			16.3	370.2	⊕	Parement		2.74	383.73
50-W			15.0	371.5	⊕			2.76	383.71
⊕			11.4	375.1	12-W			3.0	383.5
13-E			10.5	376.0	23-W			4.5	382.0
20-E			8.2	378.3	50-W			6.2	380.3
⊕	Parement		7.85	378.62	100-W			8.6	377.9
	63+50				150-W			12.2	374.3
⊕			6.17	380.3	200-W			15.8	370.7
12-E			6.6	379.9		65+00			
⊕			9.1	377.4	200-W			13.8	372.7
50-W			12.1	374.4	150-W			10.5	376.0
100-W			14.8	371.7	100-W			6.0	380.5
150-W			17.0	369.5	50-W			3.4	383.1
200-W			18.1	368.4	12-W			1.2	385.3
	64+00				⊕			1.08	385.39
200-W			16.4	370.1	⊕	Parement		0.99	385.48
						T.P.		0.81	385.66

Sta	+	H.I.	-	Elev.
	12.08	397.74	4	
	65+50			
± Pavement			10.55	387.19
±			10.57	387.17
16-W			10.4	387.3
50-W			12.2	385.5
100-W			14.6	383.1
150-W			18.4	379.3
200-W			21.9	375.8
	66+17		E.C.	
200-W			18.4	379.3
150-W			14.5	383.2
100-W			11.3	386.4
50-W			8.7	389.0
20-W			7.7	390.0
15-W			8.7	389.0
± Pavement			8.25	389.49
67+00			5.44	392.30
68+00			1.99	395.75
			12.66	385.08
T.P.	1.46	386.54		
T.P.			12.44	374.10
	1.66	375.76		
T.P.			12.65	363.11
	1.15	364.26		

Sta	+	H.I.	-	Elev.
T.P.			11.24	353.02
	0.98	354.00		
			7.62	346.38
B.M. BC of Curve				346.43
				.05

X-Section Bridge Site - New Torrey Pines Rd.

Jacger, Clarent }
Bailey, Morgan } Nov. 19th 1929

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Sta	+	H.I.	-	Elev.	Sta	+	H.I.	-	Elev.
BM. N. Side Deep Canyon				220.91	BM.				217.03
	1.5v	222.43				0.49	217.5v		
T.P.			12.84	209.59	T.P.			12.94	204.58
	1.91	211.50				1.29	205.87		
T.P.			9.59	201.91⊗	T.P.			12.51	193.76 218.38
	1.76	203.67				0.22	193.58 218.60		
T.P.			13.02	190.65					
	1.5v	192.17							
T.P.			12.91	179.26	50-W Edge Bluff			12.5	181.1
	1.78	181.04			46-W			11.7	181.9
T.P.			12.50	168.54	✓ SN Edge Bluff			12.0	181.6
	0.30	168.84			25-W			9.8	183.8
T.P.			12.83	156.01	✓ 4-N "			10.2	183.4
	1.47	157.48			⊕			7.6	186.0
T.P.			11.87	145.61	46-E Edge Canyon			4.9	188.7
	3.47	149.08			50-E			8.7	184.9
Set New BM. Bottom Deep Canyon			6.51	142.57					
				201.91⊗	35-E Edge Canyon			6.1	187.5
	0.70	202.61			11-E			7.5	186.1
Set New BM. N. Side Deep Canyon			0.67	201.94	✓ 6-N			8.3	185.3
					⊕			8.2	185.4
					5-W			13.8	179.8
					T.P.			12.8	180.76 205.80
						1.05	181.83 205.85		
					20-W			5.6	176.2
					✓ 3-S			3.6	178.2

Sta		+	H.I.	-	Elev.	Sta		+	H.I.	-	Elev.
43-W				7.4	174.4	✓	4-N		169.1	12.7	169.1
		39+28				✓	13-S		164.3	17.5	164.3
50-W				25.0	156.8	45-W			151.7	30.1	151.7
30-W				19.6	162.2	✓	9-S		156.1	25.7	156.1
14-W				10.4	171.4	✓	5-N		150.3	31.5	150.3
✓	8-N			15.0	166.8	✓	8-N		146.3	35.5	146.3
⊕				6.5	175.3	50-W			150.7	31.1	150.7
✓	6-N			9.1	172.7	✓	5-N		149.5	32.3	149.5
12-E				0.6	181.2	✓	10-N		145.5	36.3	145.5
15-E				+ 3.1	184.9	✓	9-S		153.8	28.0	153.8
33-E	Edge Canyon			+ 4.0	185.8			39+72			
		39+50				50-W			145.8	36.0	145.8
2A-E	Edge Canyon			3.6	178.2	✓	8-N		147.7	34.1	147.7
10-E				5.6	176.2	✓	29-N	Edge Canyon	146.8	35.0	146.8
✓	9-S			4.5	177.3	30-W			152.6	29.2	152.6
✓	13-N			11.2	170.6	✓	4-N	Bottom	152.5	29.3	152.5
⊕				8.2	173.6	✓	✓	Top	158.5	23.3	158.5
✓	5-S			8.0	173.8	✓	11-N		155.3	26.5	155.3
✓	7-S			12.0	169.8	✓	25-N	Edge Canyon	150.0	31.8	150.0
✓	9-N			11.5	170.3	24-W	Bottom		155.8	26.0	155.8
3-W				8.5	173.3	✓	Top		160.8	21.0	160.8
4-W				15.0	166.8	✓	10-N	Edge Canyon	155.5	26.3	155.5
✓	2-N			9.8	172.0	17-W			162.9	18.9	162.9
15-W				18.5	163.3	✓	7-S	Top	164.7	17.1	164.7
✓	3-N			17.6	164.2	✓	✓	Bot.	159.2	22.6	159.2

181.83
206.85

84

Sta	+	H.I.	-	Elev	Sta	+	H.I.	-	Elev
✓	12-N	Edge Canyon	25.5	156.3	✓	10-N		51.1	93.1
⊕			21.2	160.8	21-W			50.6	93.6
✓	10-S		14.5	167.3	10-W			40.0	104.2
✓	12-N	Edge Canyon	25.8	156.8	✓	9-N		47.0	97.2
6-E			21.3	160.5	⊕			35.4	108.8
✓	10-S		14.5	167.3	✓	8-S		40.3	103.9
✓	12-N	Edge Canyon	27.0	154.8	✓	9-N		39.0	105.2
8-E			18.7	163.1	✓	14-N		44.5	99.7
✓	9-N	Edge Canyon	22.2	159.6	✓	16-N		38.5	105.7
22-E		Edge Canyon	19.4	162.6	10-E			33.5	110.7
✓	10-S		11.7	170.1	✓	15-S		40.2	104.0
P.M.	Bottom Canyon			142.57	✓	8-N		35.6	108.6
	1.62	144.19	✓		✓	15-N		42.5	101.7
	40+22				✓	20-N		34.5	109.7
50-E			45.3	98.84	26-E			24.5	119.7
42-E			38.7	105.49	✓	13-N		31.9	112.3
✓	8-N		46.1	98.09	✓	14-N		37.0	107.2
30-E			37.2	107.0	✓	20-N		35.1	109.1
✓	4-N		40.5	103.7	✓	22-N		31.8	112.7
✓	4-S		41.1	103.1	✓	4-S		30.5	113.7
⊕			49.2	95.0	35-E			23.0	121.2
14-W			50.0	94.2	✓	2-S		27.3	116.4
✓	3-N		50.0	94.2	✓	3-N		21.9	122.3
	40+35				✓	12-N		29.0	115.2
24-W			50.6	93.6	✓	24-N		28.1	116.1

Sta		+	H.I.	-	Elev.
✓	27-N			25.6	118.6
50-E				21.8	122.4
✓	5-S			24.8	119.4
-	6-S			33.0	111.2
✓	4-N			22.5	121.7
✓	11-N			27.4	116.8
✓	18-N			27.3	116.9
✓	21-N			24.5	119.7
		40+57			
⊘				35.0	109.2
9-W				35.9	108.3
24-W				40.0	104.2
43-W				49.0	95.2
✓	3-S			52.3	91.9
✓	6-S			52.3	91.9
50-W				52.3	91.9
✓	4-S			52.3	91.9
✓	1-N			52.3	91.9
✓	4-N			47.5	96.7
		40+90			
50-W				16.3	127.9
✓	15-N			7.9	138.3
✓	15-S			24.1	120.1
25-W				17.0	127.2
✓	15-S			27.0	117.2

Sta		+	H.I.	-	Elev.
✓	15-N			6.0	138.2
⊘				11.8	132.4
✓	15-N			5.5	138.7
✓	15-S			19.4	124.8
12-E				9.4	134.8
✓	15-N			2.9	141.3
✓	4-S			12.7	131.5
✓	15-S			19.2	125.0
20-E				12.9	131.3
✓	15-N			6.8	137.4
✓	15-S			20.6	123.6
33-E				12.0	132.2
✓	6-N			9.7	134.5
✓	15-N			3.4	140.8
✓	15-S			17.7	126.5
50-E				8.2	136.0
✓	15-S			16.8	127.4
✓	15-N			+1.0	145.2
T.P.				1.70	142.49
		6.99	149.48		
		41+15			
50-W				6.4	143.1
✓	7-N			0.0	149.5
40-W				4.9	144.6
✓	6-N			0.0	149.5

66
Elev.

STA		+	H.I.	-	Elev.	STA		+	H.I.	-	Elev.
20-W				5.3	144.2	✓	25-N			11.4	179.5
✓	7-N			2.0	147.5	✓	14-S			20.7	170.2
⊥				4.5	145.0	✓	16-S			22.3	168.6
✓	13-N			+3.5	153.0	20-W				18.4	172.5
15-E				2.7	146.8	✓	11-S			21.5	169.4
✓	4-N			0.0	149.5	✓	15-N			18.2	172.7
28-E				5.0	144.5	35-W				24.3	166.6
✓	3-N			0.0	149.0	✓	7-S			28.7	162.2
50-E				+3.5	153.0	✓	15-S			32.7	158.2
✓	10-N			+10.0	159.5	✓	15-N			2.5	188.4
✓	10-S			4.3	145.2	45-W				29.2	161.7
P.M.					201.94	✓	12-N			26.2	164.7
		0.67	202.61	✓		✓	15-N			25.5	165.4
	T.P.			12.87	189.74	✓	10-S			32.2	158.7
		1.17	190.91	✓		✓	15-S			34.8	156.1
		41+50				50-W				30.2	160.7
50-E				8.2	182.7	✓	9-N			29.4	161.5
✓	18-S			15.7	175.2	✓	15-N			27.0	163.9
✓	15-N			3.0	187.9	✓	8-S			33.3	157.6
25-E				11.6	179.3	✓	15-S			35.6	155.3
✓	17-S			19.2	171.7						
✓	12-N			7.3	183.6						
✓	15-N			6.5	184.4						
⊥				14.3	176.6						
✓	15-N			11.1	179.8						

Sta	Stadia	V.A.	Hor. Dist.	Defl. \angle	Diff. Elev.	Elev.
41+50	Fore-sight	South on \downarrow			176.60	
	280'	+ 3°37'	279	15°30' - L	17.7	174.3 ✓ Top of Cliff
	275'	+ 3°30'	274	14°30' - L	16.8	193.4 " " "
	265'	+ 3°20'	264	12°45' - L	15.4	192.0 " " "
	250'	+ 3°00'	249	11°15' - L	13.5	189.7 ✓ " " "
	240'	+ 2°57'	240	10°00' - L	12.4	189.0 " " "
	233'	+ 2°55'	233	8°30' - L	11.9	188.5 " " "
	224'	+ 2°35'	224	8°00' - L	10.1	186.7 " " "
	216'	+ 1°55'	216	7°15' - L	7.2	183.8 " " "
	208'	+ 0°55'	208	7°45' - L	3.3	179.9 " " "
	200'	+ 0°20'	200	6°15' - L	1.2	177.8 " " "
	190'	- 1°45'	190	7°30' - L	5.8	170.8 " " "
	175'	- 4°25'	174	7°00' - L	13.4	163.2 " " "
	175'	- 4°55'	174	3°15' - L	15.0	161.6 " " "
	190'	- 1°35'	190	3°00' - L	5.2	171.4 " " "
	190'	- 2°46'	190	2°30' - L	9.1	167.5 " " "
	174'	- 6°50'	172	1°45' - L	20.6	156.0 " " "
	191'	- 1°45'	191	0°15' - R	5.8	170.8 " " "
	175'	- 5°57'	173	3°15' - R	18.0	158.6 " " "
	175'	- 6°39'	173	8°00' - R	20.1	156.5 ✓ " " "
	165'	- 8°42'	161	8°45' - R	24.6	152.0 " " "
	253'	- 1°00'	253	18°00' - L	4.4	172.2 Coming down on Cliff
	250'	- 2°00'	250	17°00' - L	8.7	167.9 " " "
	233'	- 8°40'	228	19°30' - L	34.8	141.8 " " "

STA.	Stadia	V.A.	Hor. Dist.	Defl. &	Diff. Elev.	Elev.				
	228'	-9°45'	221	18°00'-L	38.0	138.6	Coming down on	Cliff.		
	224'	-9°07'	218	17°30'-L	35.0	141.6	"	"	"	"
	218'	-11°50'	211	19°30'-L	45.1	131.5	"	"	"	"
	218'	-11°15'	210	16°45'-L	41.7	134.9	"	"	"	"
	215'	-10°25'	208	15°45'-L	38.2	138.4	"	"	"	"
	210'	-13°40'	202	14°30'-L	48.2	128.4	"	"	"	"
	194'	-14°12'	182	11°00'-L	46.1	130.5	"	"	"	"
	182'	-10°12'	176	4°15'-L	31.8	144.8	"	"	"	"
	172'	-14°16'	162	8°15'-L	41.2	135.4	"	"	"	"
	174'	-17°04'	158	9°00'-L	48.9	127.7	"	"	"	"
	173'	-19°00'	155	12°15'-L	53.2	123.4	"	"	"	"
	220'	-17°45'	200	23°00'-L	64.0	112.6	"	"	"	" Bottom 8' Lower
	205'	-22°40'	174	18°00'-L	73.0	103.6	Bottom Canyon			
	190'	-25°25'	155	18°15'-L	73.6	103.0	"	"		
	170'	-24°35'	141	18°45'-L	64.4	112.2	"	"	6' Lower	
	180'	-30°42'	133	4°00'-L	74.0	97.6	"	"		
	185'	-33°30'	129	7°00'-R	85.2	91.4	"	"		
	160'	-36°50'	103	11°15'-R	76.8	99.8	"	"		

Sta	Stadia	V.A.	Hor. Dist	Diff. El.	Elev.
62+00					-2.20
	91.0	+2°53'		+4.54	2.34
	152.0	+11°23'		+29.41	27.21
	162.0	+17°26'		+46.30	44.10
	165.0	+18°35'		+49.85	47.65
Correct	168.0	+18°51'		+51.36	49.16
	200.0	+24°33'		+75.58	73.38
	228.0	+22°16'		+79.96	77.76
	235.0	+23°00'		+84.53	82.33

62+00

153.0	+16°21'	+41.37	39.17
164.0	+17°08'	+46.17	44.0
165.0	+18°34'	+49.79	47.59

Top of Slate gray Sandstone

" " Light grey "

" " Brown "

" " Slate grey Sandstone

" " Light grey Sandstone (last layer finished with 1 foot thick layer of harder frame.)

Bottom of Pink Coral Formation

Bottom of Last Brown Sandstone

Top slate grey Sandstone

then 1' of Brown Sandstone

Top of lighter grey Sandstone

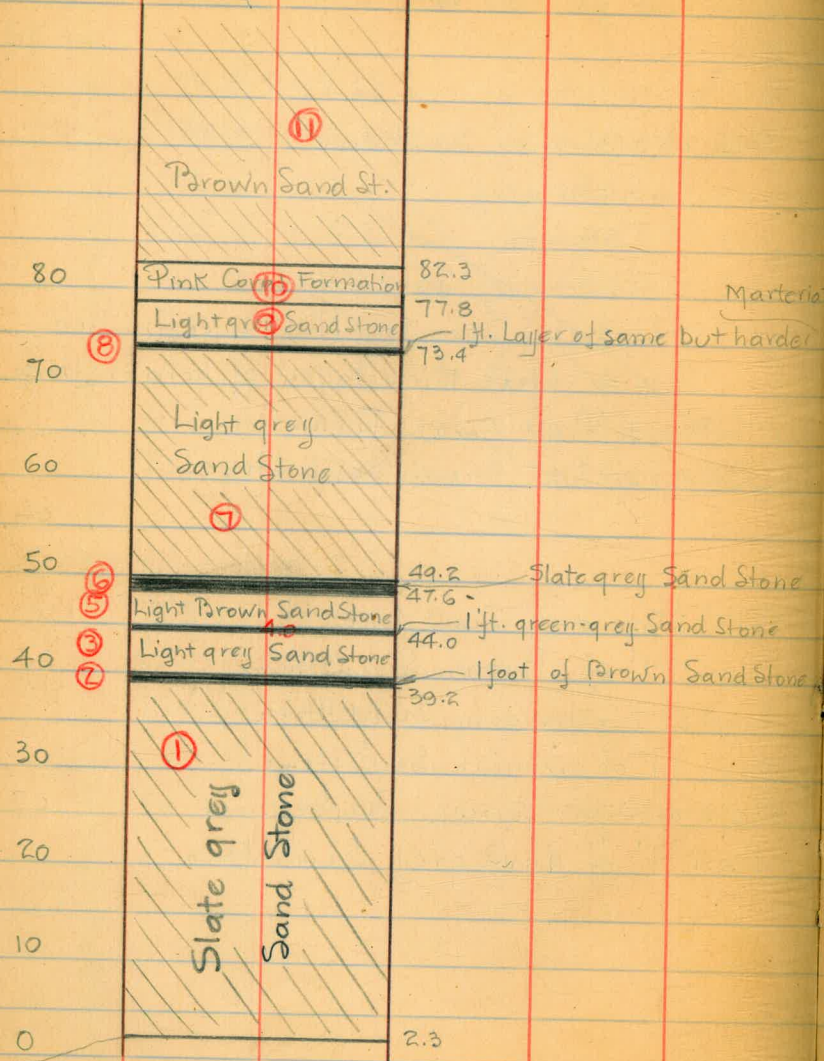
then 1' of greenish Sandstone

Top of light Brown Sandstone

then 1' of dark grey Sandstone

Plotted approx. 150' East of Sta. 62100
on 150' offset line

Elev.



Sta	Stadia	V.A.	Hor. Dist.	Diff. Elev.	Elev.	
52+35	on 150' offset line				0.64	
	205'	+0°22'		+1.34		
50+25					1.95	
	63'	-3°40'		-4.02		
Δ	on 213' offset				-2.07	
	90'	+11°35'		+17.70	15.63	Top of ①
	170'	+26°33'		+67.97	65.90	Top of ⑧
	180'	+29°16'		+76.77	74.70	Top of ⑩
P.M.					285.66	
					-3.57	
					282.09 ✓	
	360'	-8°46'		-54.21		Devl. &
20+79 [±]	P.O.S.T.	Backsight on S.T.			227.88	6°10' - R
	380'	-5°47'		-38.19		
Δ					189.69	2°25' - L
	171'	-6°45'		-20.01		
Δ					169.68	Tangent
	198'	-23°22'		-72.09		
Δ					97.59	

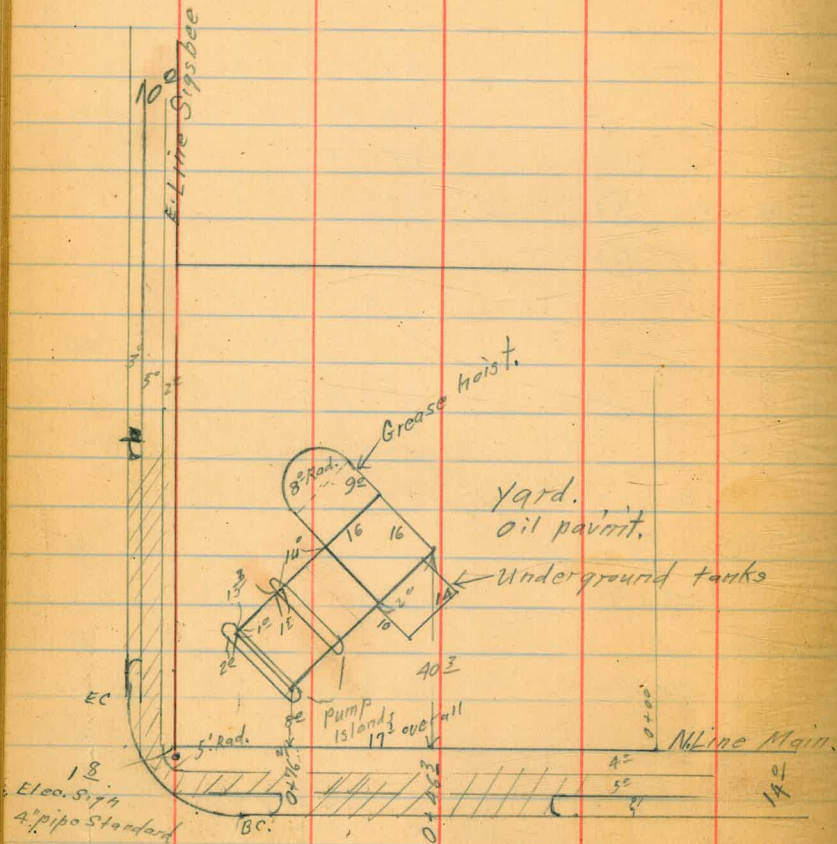
Sommermeier
Osborne
W. Moore
Begg.

Indexed
C.S.K.

X-sec NE, Cor. Sigsbee & Main

7-29-44

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24° Curb. Rad.
Δ 90° 02'

Vic. Cont. 89° 59' 30"

RW - See - 2847-B

U. Bolt Base etc.	5.27	19.99	—	14.72	12.52
SE Sigsbee Main					
0+00 = 100' East					
E Line Sigsbee			3.67	16.33	
14 ft cl.			3.85	16.14	
6' Out.			4.46	15.53	
27 ft			4.13	15.86	
40 ft			4.09	15.90	
20 ft			3.63	16.36	
Driveway BC			3.92	16.07	
0+19.5					
06					
14 ft			4.12	15.87	
Out.					
14 ft			4.70	15.29	
27 ft			4.42	15.57	
20 ft			4.35	15.64	
20 ft			3.81	16.18	
0+22.5			3.97	16.02	
Edgwood					
9.0 ft			4.05	15.94	
Out.					
14 ft			4.75	15.29	
0+46.3			4.25	15.74	
9.0 ft			4.41	15.58	
14 ft			5.03	14.96	
27 ft			4.75	15.24	
40 ft			4.71	15.28	
20 ft			4.12	15.87	
40.6			3.98	16.09	
0+55			4.36	15.63	
9.0 ft			4.39	15.60	

Levels - 2.20 High

— See Page 79 —

0+55-14LT	19.99	5.16	14.83
27LT		4.85	15.14
40LT		4.84	15.15
20RT		4.18	15.81
29 ^E RT		4.09	15.90
0+76.5		4.68	15.31
9LT		4.83	15.16
14LT		5.47	14.5V
0+79.5		4.79	15.20
curb			
14LT		4.97	15.0V
0+79			
14LT		5.55	14.94
27LT		5.21	14.78
40LT		5.16	14.83
25RT		4.33	15.66
50RT		4.12	15.87
75RT		3.99	16.00
100RT		3.78	16.21
0+80		4.90	15.09
14LT = top ob.			
Prosart curb P.O.		5.03	14.96
Out		5.69	14.30
14LT			
27LT		5.31	14.68
40LT		5.25	14.74
E. Line Sigsbee			
1+00		5.03	14.96
Top ob			
9.2LT		5.20	14.79
" Out		5.85	14.14

N.E. Cor. Sigsbee + Main

7-29-11

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1+00	14LT	19.99	5.87	14.10
	27LT		5.47	14.5V
	40LT		5.37	14.6V
	25RT		4.76	15.23
	50RT		4.48	15.51
	75RT		4.20	15.79
	100RT		4.0	15.99
1+07				
W. Edge Walk			5.1A	14.85
Top ob	10LT		5.15	14.89
Out			5.84	14.15
	14LT		5.90	14.09
	27LT		5.58	14.91
	40LT		5.47	14.5V
	19 ^E RT	top ob Ret.	5.02	14.97
	41RT	opposite Prop. E.C.	4.85	15.14
	59 ^E RT	top ob Ret.	4.53	15.46
	75 ^E RT		4.28	15.71
	100RT		3.98	16.01
1+10		E. Cb. line Sigsbee.	5.92	14.07
	14LT		5.72	14.07
	27LT		5.63	14.36
	40LT		5.51	14.98
	10LT	top ob. ob. B.O.	5.13	14.86
	Out		5.83	14.16
	15 ^E RT	Drive ob.	5.11	14.88
	Out		5.73	14.26

1+10	19 th Rt. Cut.	19.99	5.49	14.50
	Low in Cut. 1.5' ahead		5.68	14.31
	41 AT		5.28	14.71
	Low spot in Cut. 1.5' ahead		5.45	14.52
	59 th RT		5.04	14.95
	Low spot in Cut 1' ahead Top Drive E.C.		5.20	14.79
	62 nd RT		4.52	15.47
	✓ Cut.		5.16	14.83
	75 RT Top Ob.		4.37	15.62
	- Cut		5.03	14.96
	100 RT Top ob.		4.08	15.91
	✓ Cut.		4.73	15.26
1+20 = E. 1/2 Liza Sigbee		5.83	14.16	
	14 LT	6.00	13.99	
	27 LT	5.76	14.23	
	40 LT	5.71	14.28	
	25 RT	5.53	14.46	
	50 RT	5.28	14.71	
	100 RT	4.67	15.30	
1+30 = S. Sigbee		5.89	14.10	
	14 LT	6.14	13.85	
	27 LT	6.02	13.97	
	40 LT	5.93	14.06	
	25 RT	5.62	14.37	
	50 RT	5.35	14.62	
	100 RT	4.77	15.22	

N.E. Cor. Sigbee & Main 7-29-44

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0+00 for curve = 45° East - E. Line Sigbee.

0+00 = B.C. 55' curb	Rad.	19.99	5.03	14.96
"	1 st LT Low spot		5.15	14.89
0+21.61	11°-15'-15"		4.93	15.06
0+43.32	11°-30'-30"		4.92	15.07
0+64.93	38°-45'-45"		4.99	15.00
0+86.43	E.C. 45°-01'		5.28	14.71
"	1 st LT Low spot.		5.45	14.52
Original B.M.			5.27	14.72

R - 55°

Δ - 92°-02'

T 54.97

L 86.43

Sommermeier
Osborne
W Moore
Bo99

X-Sec. Wly. Ret.
Sigsbee + National

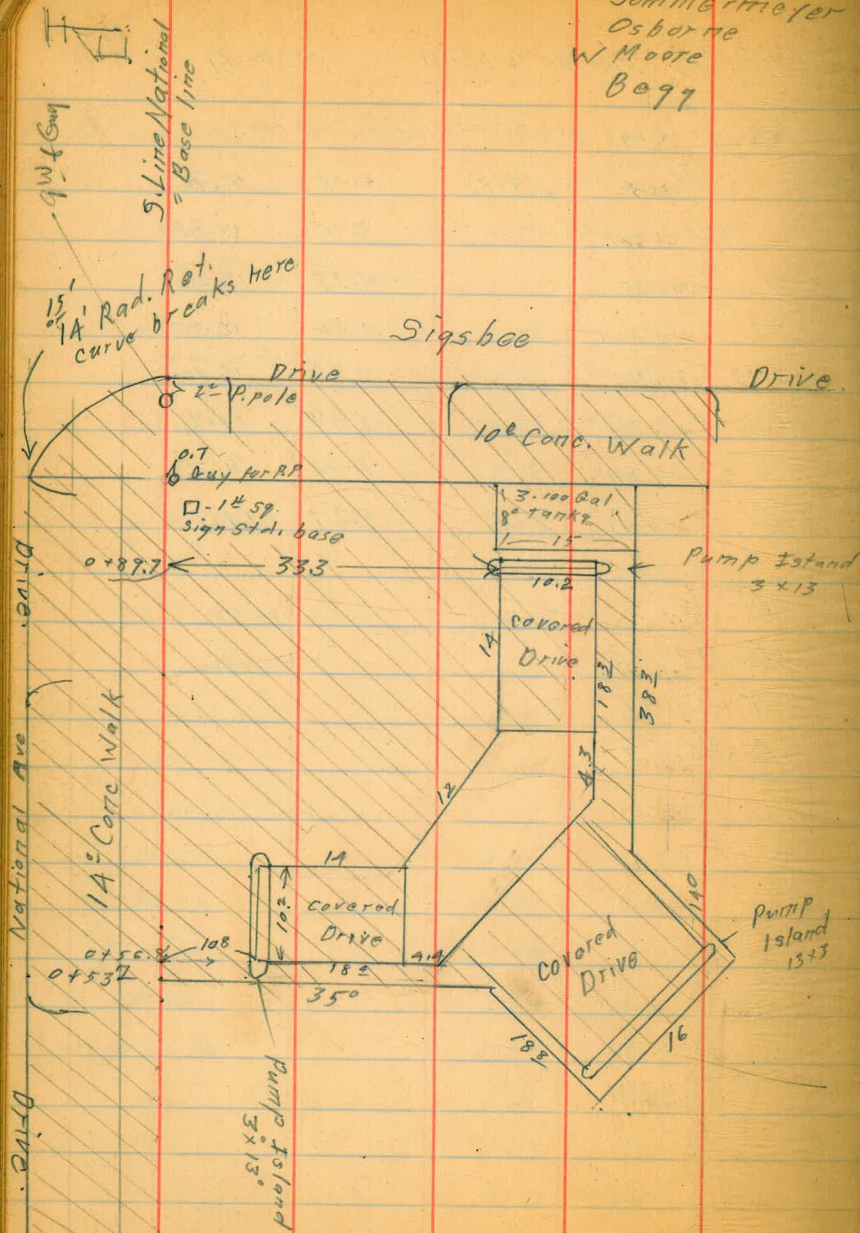
7-31-44

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S. Line National = Base Line.

0+00 = 100' West. West Line Sigsbee.

NE. B.P. Sigsbee + National	2.38	26.32	-	23.94
0+00 start drive	6.92	19.40		
5 edge				
4 Lt. Walk	7.18	19.14		
9 Lt. ^{5 edge} Walk	7.29	19.03		
14 Lt top ob	7.37	18.95		
" Out	7.87	18.95		
24 Lt	7.24	19.08		
10 Lt & Nat.	6.82	19.50		
20 RT	6.1	20.27		
0+02 Drive in Gutter	7.81	18.51		
0+03 L. H.C. yard pump	6.83	19.99		
0+17	6.51	19.81		
5 edge				
4 Lt walk	6.66	19.66		
14 Lt Gutter	7.32	19.00		
27 Lt - 1/4	6.68	19.64		
10 Lt	6.30	20.02		
23 RT	6.02	20.30		
0+27	5.73	20.59		
4 Lt	5.77	20.55		
14 Lt Out	6.47	19.85		
27 Lt	5.81	20.51		
10 Lt	5.38	20.94		
20 RT	5.47	20.85		
14 Lt				
0+39 Top Ob	5.89	20.43		
14 Lt Gutter	6.38	19.94		



RW. Sec. 2846-B

X-Sec. Sigbee + National - Wly. Return

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	*				*		
^{start. conc.} 0+53.7 Service yard	26.32	5.49	20.83	1+00	26.32	4.20	22.12
ALT.		5.53	20.79	4LT		4.13	22.19
14LT cb		5.79	20.53	14LT top b.		4.32	22.00
v Butt.		6.27	20.05	v Butt.		4.84	21.88
27LT		5.63	20.69	27LT		4.26	22.06
40LT		5.17	21.15	40LT		3.85	22.97
20RT		5.35	20.97	25RT		4.63	21.69
40RT		5.27	21.05	32RT		4.75	21.57
100 RT		6.19	20.13	49 ² RT ^{End. conc.}		5.11	21.21
^{14LT top cb} 0+55. New B.C.		5.74	20.58	53 RT		5.16	21.16
" 14LT. Butt		6.24	20.08	100 RT		6.14	20.18
^{14LT.} 0+67 top cb		5.38	20.94	1+10 Top cb. B.C.		4.28	22.09
^{14LT} Butt.		5.83	20.49	Butt.		4.74	21.58
0+69		5.10	21.22	14LT		4.52	21.80
ALT		5.09	21.23	27LT		4.00	22.32
^{start} 14LT Drive		5.80	20.52	20LT		3.65	22.67
27LT		5.19	21.13	4RT top cb.		4.34	21.98
40H		4.72	21.60	v Butt		4.83	21.49
25RT		5.14	21.18	6RT. Butt Drive		4.90	21.42
49 ² RT. End Conc.		5.27	21.05	30RT Butt Drive		5.50	20.82
100 RT		6.14	20.18	32 ^E top cb		5.01	21.31
^{End of} 0+98 Drive		4.27	22.05	v Butt.		5.56	20.76
4LT		4.21	22.11	^{New. E.C.} 41 RT top cb.		5.24	21.08
14LT Gut		4.92	21.40	v Butt.		5.75	20.57

1	26.32		
1+10 53.3 Rt ^{top} ch	5.47	20.85	
" Gutter	6.05	20.27	
55 Rt Drive	6.09	20.23	
100 Rt Gutter ^{Drive in}	6.91	19.91	
1+20 - W. 1/4 Sigsbee	4.22	22.10	
14 Lt	4.06	22.26	
27 Lt	3.80	22.57	
40 Lt	3.49	22.83	
25 Rt	4.83	21.99	
50 Rt	5.40	20.97	
100 Rt	6.44	19.88	
1+30 & Sigsbee	3.82	22.50	
14 Lt.	3.78	22.59	
27 Lt	3.60	22.77	
40 Lt	3.35	22.97	
25 Rt	4.43	21.89	
50 Rt	5.00	21.37	
100 Rt	6.05	20.27	

X-Sec Sigsbee & National 7/31/44 3

26.37 ✓

Proposed curve on Return

B.C. = 45° West-West Line Sigsbee &

S. Carb line National

0+100 = BC ^{top} ch	5.74	20.58
" Gutter	6.24	20.08
0+21.60	5.28	21.07
0+43.70	4.37	21.93
0+64.80	4.91	21.91
0+86.39	5.24	21.08
E.C. Top ch	5.75	20.57

Δ 90° 00'

R 55°

L 86.39 ✓

C 21.46

Sammermeyer
Osborne
W. Moore
Bo99

B.M. check levels
National & Sigsbee
to Main + "

NE.B.P.
National + Sigsbee 1.05 24.99 - 23.94

N. Belt S.E. Fire plus Sigsbee + Main 4.15 19.41 9.73 15.26

Base of Plg. 6.89 12.52

Used 14.72. Pg. 73. Error 2.2'

top SE. Fire Hyd. Sigsbee + Main 4.66 14.75

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

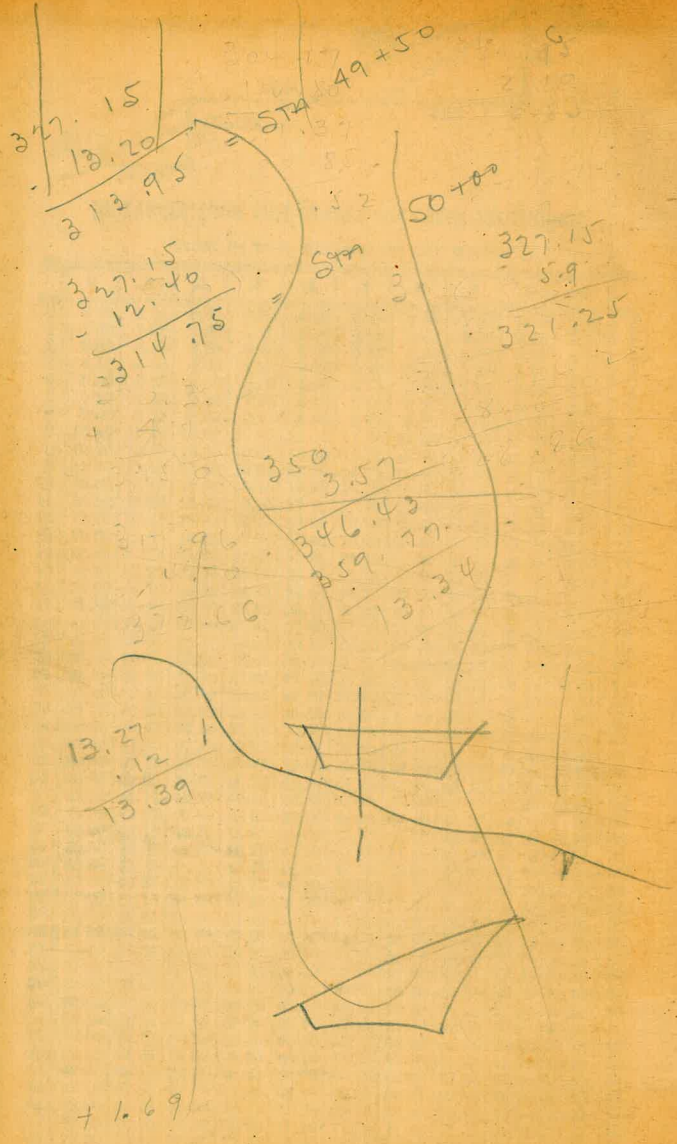
Distance of slope stake from side or shoulder stake for any width roadway, slope $1\frac{1}{2}$ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body

of table in same row and column gives distance from side stake to slope stake. If ground is not level, the side stake and slope stake lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point and line of sight should cut target.

**IMPROVED TABLES
AND
INFORMATION**

TABLE No. 2.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections. Degree of curve with a given T may be found by dividing tangent (or external) opposite T by given tangent (or external). The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.



	346.43	7.62	329.40 ✓
		7.10	1.58
		0.52	330.98 ✓
			13.22
	13.80		317.76 ✓
	5.25		+ 9.39
30.50 ✓	8.55 ✓		327.15
0.98	1.66		7.64
31.48 ✓	10.21 ✓		
14.38	- 7.03		319.51 ✓
19.10 ✓	3.18 ✓		7.97 ✓
0.53	3.92		327.48
19.63	7.10 ✗		4.47
- 7.82	3.68		323.01 ✓
11.81 ✓	3.42 ✓		12.87
3.21	7.39		335.88 ✓
15.02 ✓	10.81 ✓		0.07
3.03	1.50		335.81 ✓
11.99 ✓	9.31 ✓		+ 11.53
3.01	7.55		347.34 ✓
15.00 ✓	16.86 ✓		- 0.73
- 3.16	5.54		346.61 ✓
11.84 ✓	11.32 ✓		+ 13.16
2.82	5.05		359.77 ✓
14.66 ✓	16.37 ✓		- 1.80
- 3.47	4.70		357.99
11.19 ✓	11.67 ✓		7.14
4.04	5.06		365.11 ✓
15.23 ✓	16.73 ✓		2.21
- 3.12	2.18		362.90 ✓
12.11 ✓	14.55 ✓		11.78
1.69	11.39		374.68 ✓
13.80 ✓	25.94 ✓		- 0.83
	1.40		373.85 ✓
	24.54 ✓		
	8.20		
	32.74 ✓		
	2.25		
	30.49		