347

Return to City Engineers Office
City Hall, San Diego, Cal.

LEVEL BOOK

400

F.B.347

Irongaspik N. Rail. - on P.L. 7.53

Return to City Engineers Office
City Hall, San Diego, Cal.

H. S. CROCKER COMPANY

DRAWING MATERIALS AND
SURVEYING INSTRUMENTS

SAN FRANCISCO

347

TABLES FOR EXCAVATIONS AND EMBANKMENTS

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING

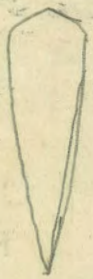
Roadway 18 Feet Wide. Side Slopes 1 to 1.
For Single Track Excavation.

"Copyright, 1895, by Kueffel & Esser Co."

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

MICROFILMED
DEC 2 1964

Calculated by Julien A. Hall, M. Am. Soc. C. E.



FROM
Loring's Book Store
SAN DIEGO, CAL.

FB # 347 PAGE

32nd St. BAY AVE - 1-26
to BAY. X-SECT.

SANTA FE TRACKS - 27
AT 32nd St.

"I" St., 28th St. EAST - 28-75
X-SECTION

X-section 32nd st S.L. Bay Ave to the Bay.

B.M. N.E. cor. national 83rd 73.89.

	+R	H.I.	−R	Elev	
B.M.	1.16	75.05		73.89	
			12.32	62.73	
	0.58	63.31			
			12.47	50.84	
	2.83	53.67			
			12.62	41.05	
	0.26	41.31			
			5.90	35.41	
	0.11	35.52			
		S.L. Bay Ave			
		35.52			
W.L.			8.8	25.7	
crb			9.3	26.2	
+2			11.8	23.7	
+6			13.0	22.5	
1/4			14.3	21.2	
M.			13.3	22.2	
1/4			13.0	22.5	
crb			13.7	21.8	
+7			12.3	23.2	
E.L.			9.9	25.6	
T.P.	4.80	27.31	13.01	22.51	

8/25/28 Dunkle, Shaw, Lambert.

27.31

25' S of Bay Ave.

POSTED

E.L.			1.8	25.5
+9			5.7	21.6
crb			8.5	18.8
1/4			8.9	18.4
M			9.0	18.3
1/4			8.8	18.5
+8			8.6	18.7
crb			2.2	25.1
+3			1.2	26.1
W.L			1.5	25.8
		50'		
W.L.			3.1	24.2
+8			2.9	24.4
crb			4.2	23.1
+2			8.3	19.0
1/4			9.0	18.3
M			9.1	18.2
1/4			9.6	17.7
crb			9.3	18.0
+5			8.0	19.3
+6			5.4	21.9
E.L.			2.2	25.1

27.31

0+75' S

E.L.		3.1	24.2
+4		5.8	21.5
+5		9.6	17.7
crb		9.9	17.4
1/4		10.2	17.1
M		9.7	17.6
1/4		9.4	17.9
crb		8.1	19.2
+3		3.8	23.5
W.L.		5.1	22.2

1+00 S.

W.L.		7.4	19.9
+5		7.2	20.1
+7		9.4	17.9
crb		10.4	16.9
1/4		11.5	15.8
M		11.1	16.2
1/4		10.8	16.5
crb		10.9	16.4
+7		10.1	17.2
E.L.		9.2	23.1

1+25' S.

E.L.			13.5	13.8
crb			13.5	13.8
1/4			14.3	13.0
M			14.0	13.3
1/4			14.2	13.1
crb			14.4	12.9
W.L.			12.9	13.4
T.P.	0.55	14.97	12.89	14.42

1+50 S.
14.97

W.L.			11.6	3.4
crb			6.0	9.0
+2			5.1	8.9
1/4			5.3	8.7
M.			5.4	8.6
+5			5.4	9.6
1/4			8.0	7.0
crb			10.9	3.1
E.L.			11.9	2.1
T.P.	0.71	5.71	9.97	5.00

1+75' S.

5.71

E.L.	7.7	-2.0
crb	7.6	-1.9
+5	7.1	-1.4
1/4	4.4	1.3
+7	1.0	4.7
M	0.7	5.0
1/4	0.3	5.4
crb	2.5	3.2
W.L	8.1	-2.4

2+00 S.

W.L.	8.7	-3.0
crb	6.5	-0.8
+8	3.9	1.8
1/4	3.6	2.1
M.	3.3	2.4
+8	4.8	0.9
1/4	5.5	-0.1
+5	8.3	-2.6
crb	8.5	-2.8
E.L.	8.6	-2.9

2+25' S.

E.L	8.7	-3.0
crb	8.6	-2.9
+5	8.3	-2.6
1/4	7.0	-1.3
M.	5.8	-0.1
1/4	6.3	-0.6
crb	7.2	-1.5
W.L.	8.2	-2.5

2+50' S.

W.L	8.9	-3.2
crb	8.8	-3.1
1/4	7.0	-1.3
M.	6.3	-0.6
1/4	7.1	-1.4
+5	8.4	-2.7
crb	8.7	-3.0
E.L	8.7	-3.0

5.71

2+75' S,

E.L.	8.8	-3.1
crk	9.1	-3.4
+3	9.3	-3.6
1/4	6.9	-1.3
M.	6.6	-0.9
1/4	7.2	-1.5
+7	9.0	-3.3
crk	9.1	-3.4
W.L.	9.1	-3.4

3+00' S,

W.L.	9.6	-3.9
crk.	9.6	-3.9
1/4	7.2	-1.5
M.	6.5	-0.8
1/4	6.5	-1.1
+5	8.7	-3.0
crk	9.4	-3.7
E.L.	9.4	-3.7

3+25 S,

E.L.	9.0	-3.3.
crk	9.2	-3.5
+3.	9.0	-3.3.
1/4	6.6	-0.9
M.	6.3	-0.6
1/4	7.1	-1.4
+7	9.3	-3.6
crk	9.5	-3.8
W.L.	9.3	-3.6

3+50 S,

W.L	9.3	-3.6
crk.	9.3	-3.6
1/4	7.0	-1.3.
M.	6.1	-0.4
1/4	6.6	-0.9
+6	8.5	-2.8
crk	9.2	-3.5
E.L.	9.2	-3.5

5.71

3+75' S.

E.L.	9.0	-3.3
crb	9.0	-3.3.
+2	9.0	-3.3.
1/4	6.4.	-0.7
M	6.1	-0.4
+7	6.4	-0.7
1/4	7.1	-1.4.
crb	9.3	-3.6
W.L.	9.2	-3.5

4+00 S.

W.L.	9.2	-3.5
crb.	9.2	-3.5
1/4	6.8	-1.1
M	5.9	-0.2
1/4	6.2	-0.5
+7	8.8	-3.1
crb	9.1	-3.4
E.L	9.1	-3.4

4+25' S.

E.L.	8.8	-3.1
crb	8.7	-3.0
+3	8.5	-2.7
1/4	6.1	-0.4
M.	5.9	-0.2
+8	6.2	-0.5
1/4	6.9	-1.2
+7	8.9	-3.2
crb	9.1	-3.4
W.L.	9.1	-3.4.

4+50' S.

W.L.	9.0	-3.3.
crb	9.1	-3.4
+3	8.9	-3.2
1/4	7.0	-1.3.
+4	6.4	-0.7
M.	6.1	-0.4
1/4	6.6	-0.9.
+5	8.5	-2.8
crb	9.1	-3.4.
	9.1	-3.4.
E.L.		

5+71

4+75' S.

E.L.	8.8	-3.1
crk.	8.9	-3.2
+6	8.1	-2.4
11/4	6.3	-0.6
M	6.0	-0.3
+8	6.4	-0.7
11/4	7.2	-1.5
+6	9.1	-3.4
crk	9.3	-3.6
W.L.	9.3	-3.6

5+00 S.

W.L.	9.3	-3.6
crk	9.2	-3.5
+3	9.1	-3.4
11/4	7.2	-1.5
+3	6.3	-0.6
M.	6.0	-0.3
11/4	6.4	-0.7
+4	8.1	-2.4
crk	8.9	-3.2
E.L.	8.7	-3.0

5+25 S.

E.L.	8.6	-2.9
crk	8.6	-2.9
+5	8.1	-2.4
11/4	6.0	-0.3
M.	5.9	-0.2
+7	6.1	-0.4
11/4	6.9	-1.2
+5	8.4	-2.7
crk	9.0	-3.3
W.L.	9.0	-3.3

5+50 S.

W.L.	9.2	-3.5
crk.	9.0	-3.3
+4	8.9	-3.2
11/4	6.6	-0.9
+3	5.9	-0.2
M.	5.6	+0.1
11/4	6.1	-0.4
+5	8.8	-3.1
crk	9.2	-3.5
E.L.	9.5	-3.8

5.71

5+75 S.

E.L.	9.4	-3.7
crb	9.5	-3.8
+1	9.9	-3.7
1/4	6.3	-0.6
M.	5.7	0.0
+7	5.5	-0.1
1/4	6.9	-1.2
+6	8.7	-3.0
crb	8.6	-2.9
W.L.	8.8	-3.1

6+00 S.

W.L.	9.3	-3.6
crb	9.2	-3.5
+4	9.0	-3.3
1/4	6.9	-1.2
+3	6.1	-0.4
M.	5.7	0.0
+8	6.3	-0.6
1/4	7.3	-1.6
+1	9.2	-3.5
crb	9.5	-3.8
E.L.	9.0	-3.3

6+25 S.

E.L	8.8	-3.1
crb	9.0	-3.3
+7	9.3	-3.6
1/4	7.6	-1.9
+2	6.5	-0.8
M.	6.1	-0.4
+7	6.3	-0.6
1/4	7.2	-1.5
+5	9.4	-3.7
crb	9.6	-3.9
W.L.	9.5	-3.8

6+50 S.

W.L.	9.8	-4.1
crb	9.7	-4.0
+5	9.4	-3.7
1/4	7.2	-1.5
+5	6.2	-0.5
M	6.1	-0.4
+7	6.6	-0.9
1/4	7.5	-1.8
+3	9.1	-3.4
crb	9.0	-3.3
E.L.	9.7	-4.0

		5.71		
		6+75		
E.L.			10.4	-4.7
crb			9.8	-4.1
+7			9.5	-4.1
1/4			9.0	-3.3
+2			8.3	-2.6
M.			7.8	-2.1
1/4			7.7	-2.0
+3			8.1	-2.4
+6			9.2	-3.5
crb			9.6	-3.9
W.L.			9.9	-4.2
		7+00 S. of 13th Ave.		
W.L.			9.4	-3.7
crb			9.6	-3.9
1/4			9.6	-3.9
M			9.5	-3.8
1/4			10.2	-4.5
crb			10.4	-4.7
+6			11.9	-6.2
E.L.			11.4	-5.7
T.P.	1.04	0.53	6.22	-0.51

		0.53		
		7+25 S.		
E.L.			6.6	-6.1
crb			6.5	-6.0
+7			6.7	-6.2
1/4			5.9	-5.4
M.			4.9	-4.4
1/4			5.1	-4.6
crb			4.7	-4.2
W.L.			4.5	-4.0
		7+50 S.		
W.L.			5.2	-4.7
crb			5.5	-5.0
1/4			5.6	-5.1
+5			7.0	-6.5
M.			6.8	-6.3
1/4			6.9	-6.4
crb			7.6	-7.1
F.L.			9.1	-8.6

0.53 H.I.

7+75

W.L.	6.9	-6.4
Crb	6.9	-6.4
1/4	6.9	-6.4
M.	7.7	-7.2
1/4	8.0	-7.5
+ crb	9.0	-8.5
~~crb~~ +5	6.6	-6.1
	4.4	-3.9
E.L.	3.6	-3.1

8+00 S.

E.L.	4.00	-3.5
Crb	3.9	-3.4
1/4	3.8	-3.3
M.	3.6	-3.1
+7	6.9	-6.4
1/4	8.0	-7.5
Crb	9.0	-8.5
W.L.	9.4	-8.9

8+25

W.L.	6.7	-6.2
+2	4.0	-3.5
Crb	3.9	-3.4
1/4	3.9	-3.4
M	3.9	-3.4
1/4	4.2	-3.7
Crb	3.9	-3.4
E.L.	3.9	-3.4

8+50' S.

E.L.	4.0	-3.5
Crb	4.0	-3.5
1/4	4.0	-3.5
M	4.0	-3.5
1/4	4.0	-3.5
Crb	3.8	-3.3
W.L.	4.0	-3.5

H.I.
0.53

8+75

W. L.	4.0	-3.5
Crb	4.0	-3.5
1/4	4.0	-3.5
M	4.0	-3.5
1/4	4.0	-3.5
Crb	3.9	-3.4
E. L.	3.9	-3.4

9+00 S.

E. L.	4.0	-3.5
Crb	4.0	-3.5
1/4	3.9	-3.4
M.	3.9	-3.4
1/4	3.9	-3.4
Crb	3.9	-3.4
W. L.	4.0	-3.4

9+25 S.

W. L.	4.1	-3.6
Crb	4.1	-3.6
1/4	4.1	-3.6
M.	4.0	-3.5
1/4	4.0	-3.5
Crb	4.0	-3.5
E. L.	4.0	-3.5

9+50 S.

E. L.	4.1	-3.6
Crb	4.1	-3.6
1/4	4.1	-3.6
M.	4.1	-3.6
1/4	4.3	-3.8
Crb	4.2	-3.7
W. L.	4.2	-3.7

0.53
9+75

W.L.	4.7	-4.2
crb	4.3	-3.8
1/4	4.5	-4.0
M	4.2	-3.7
1/4	4.2	-3.7
crb	4.7	-4.2
E.L.	4.2	-3.7

POSTED

10+00 S.

E.L.	4.5	-4.0
crb	4.3	-3.8
1/4	4.1	-3.6
M.	4.5	-4.0
1/4	4.7	-4.2
crb	4.8	-4.3
W.L.	6.2	-5.7

10+25

W.L.	4.7	-4.2
+2	6.9	-6.4
crb	6.2	-5.7
1/4	5.8	-5.3
M.	5.1	-4.6
1/4	6.9	-6.4
crb	5.5	-5
E.L.	5.2	-4.7

POSTED

10+50 S.

E.L.	4.4	-3.9
crb	4.3	-3.8
1/4	4.1	-3.6
M.	4.1	-3.6
1/4	4.1	-3.6
crb	4.1	-3.6
W.L.	4.1	-3.6

0.53

10+75' S of Bay Ave

W.L.	4.2	-3.7
crb	4.1	-3.6
1/4	4.1	-3.6
M	4.2	-3.7
1/4	4.2	-3.7
crb	4.3	-3.8
E.L.	4.3	-3.8

11+00 S.

E.L.	4.7	-4.2
crb	4.5	-4.0
1/4	4.4	-3.9
M	5.5	-5.0
1/4	5.4	-4.9
crb	5.5	-5.0
W.L.	5.5	-5.0

11+25 S.

W.L.	5.4	-4.9
crb	4.7	-4.2
1/4	4.2	-3.7
M.	4.1	-3.6
1/4	5.0	-4.5
Crb	4.8	-4.3
E.L.	4.8	-4.3

11+50 S.

E.L.	4.4	-3.9
crb	4.6	-4.1
1/4	4.4	-3.9
M	4.6	-4.1
1/4	4.8	-4.3
crb	5.2	-4.7
W.L.	5.2	-4.7

0.53

11+75 S.

W.L.	4.4	-3.9
crb	4.7	-4.2
1/4	4.6	-4.1
M	4.7	-4.2
1/4	4.6	-4.1
crb	4.6	-4.1
E.L.	4.7	-4.2

12+00 S.

E.L.	4.0	-3.5
crb	5.1	-4.6
1/4	5.1	-4.6
M	5.1	-4.6
1/4	4.4	-3.9
crb	4.4	-3.9
W.L.	4.2	-3.7

12+25 S.

W.L.	4.1	-3.6
crb	4.1	-3.6
1/4	4.1	-3.6
M	4.2	-3.7
1/4	4.1	-3.6
crb	4.0	-3.5
E.L.	4.1	-3.6

12+50 S.

E.L.	4.0	-3.5
crb	4.1	-3.6
1/4	4.0	-3.5
M	4.2	-3.7
1/4	4.0	-3.5
crb	4.0	-3.5
W.L.	4.0	-3.5

0.53
12+75 S.

W.L.			4.0	-3.5
crb			4.0	-3.5
1/4			4.0	-3.5
M			4.0	-3.5
1/4			4.0	-3.5
crb			4.0	-3.5
E.L.			4.0	-3.5
		13+00 S		
E.L.			4.0	-3.5
crb			4.0	-3.5
1/4			4.0	-3.5
M.			4.0	-3.5
1/4			4.0	-3.5
crb			4.0	-3.5
W.L.			4.0	-3.5
T.P.	9.10	5.75	3.88	-3.35

H.I.
5.75

13+25

W.L.	9.4	-3.6
crb	9.3	-3.5
1/4	9.3	-3.5
M.	9.2	-3.4
1/4	9.2	-3.4
crb	9.3	-3.5
E.L.	9.3	-3.5
13+50		
E.L.	9.3	-3.5
crb	9.3	-3.5
1/4	9.3	-3.5
M	9.3	-3.5
1/4	9.4	-3.6
crb	9.4	-3.6
W.L.	9.5	-3.7

5.75
13+75

W.L.	9.5	-3.7
crk	9.6	-3.8
1/4	9.6	-3.8
M	9.4	-3.6
1/4	9.4	-3.6
crk	9.3	-3.5
E.L.	9.4	-3.6

14+00 S

E.L.	9.4	-3.6
Crk	9.4	-3.6
1/4	9.4	-3.6
M.	9.4	-3.6
1/4	9.4	-3.6
crk	9.4	-3.6
W.L.	9.5	-3.7

14+25 S.

W.L.	10.4	-4.6
crk	10.5	-4.7
1/4	10.8	-5.0
M	10.0	-4.2
1/4	9.1	-3.3
crk	9.5	-4.0
E.L.	9.5	-3.7

14+50

E.L.	12.2	-6.4
crk	12.5	-6.7
1/4	12.1	-6.3
M.	12.3	-6.5
1/4	12.4	-6.6
crk	12.4	-6.6
W.L.	12.5	-6.7

		5+75		
		14+75		
W.L.			4.5	1.3
+7			4.6	1.2
crb			6.4	-0.6
1/4			8.9	-3.1
M			9.1	-3.3
1/4			9.3	-3.5
crb			10.4	-4.6
E.L.			9.4	-3.6
		15+00	S. of Bay Ave	
E.L.			5.9	-0.1
crb			4.5	0.9
1/4			4.1	1.7
M			3.4	2.4
1/4			3.2	2.6
crb			4.1	1.7
W.L.			5.1	0.7
T.P.	11.88	13.38	4.25	1.50

Duplicate 3/26/08
Shaw
Lambert

13.38

	15+25		
W.L.		10.3	3.1
crb		10.0	3.4
1/4		10.1	3.3
M		9.8	3.6
1/4		10.1	3.3.
crb		10.1	3.3.
E.L.		10.5	2.9
	15+50		
E.L.		9.6	3.8
crb		9.4	4.0
1/4		9.4	4.0
M.		9.5	3.9
1/4		9.6	3.8
crb		9.7	3.7
W.L.		10.2	3.2

13.38
15+75

W.L.		10.7	2.7
crb		10.5	2.9
1/4		10.1	3.3
M		9.0	4.4
1/4		8.7	4.7
crb		8.7	4.7
E.L.		8.7	4.7
	16+00		
E.L.		7.9	5.5
crb		9.0	4.4
1/4		9.4	4.0
M		9.7	3.7
1/4		9.8	3.6
crb		9.2	4.2
W.L.		6.8	6.6

16.25

W.L.		8.1	5.3
+6		6.1	7.3
crb		5.9	7.5
+2 = 2' S. of S. Rail Santa Fe R.R.		5.9	7.5
+5 = Top Rail Santa Fe.		5.6	7.8
1/4		5.8	7.6
+3 = N. Rail		5.6	7.8
~~+5 = N. Rail~~		~~5.6~~	
+6 = 2' N of N rail.		6.3	7.1
M		6.5	6.9
+6		8.2	5.2
1/4		7.8	5.6
crb		8.5	4.9
E.L.		8.4	5.0
	16+50		
E.L.		6.3	7.1
+3 = 2' N of N rail		6.0	7.4
+6 = Top N. Rail		5.4	8.0
crb		5.5	7.9
+4 = Top S. rail.		5.4	8.0
1/4		6.3	7.1
+5		7.3	6.1
M		7.4	6.0
1/4		7.8	5.6
crb		7.8	5.6
W.L.		6.2	7.2

13.35
16+75

W.L.	5.1	8.3
crb	5.5	7.9
1/4	5.6	7.8
M.	5.7	7.5
1/4	5.7	5.7
crb	5.8	5.6
E.L.	5.5	7.9

17+00

E.L.	4.9	8.5
crb	4.9	8.5
1/4	5.3	8.1
M	4.5	8.6
1/4	4.6	8.8
crb	4.7	8.7
W.L.	4.7	8.7

17+25

W.L.	4.4	9.0
crb	4.5	8.9
1/4	4.5	8.9
M	4.2	9.2
1/4	3.3	10.1
crb	3.1	10.3
E.L.	2.6	10.8

17+50

E.L.	1.3	12.1
crb	1.7	11.7
1/4	2.0	11.4
M	2.6	10.8
1/4	3.2	10.2
crb	4.1	9.3
W.L.	4.2	9.2

13.38

17+75

W.L.			3.3	10.1
crb			2.5	10.9
1/4			2.0	11.4
M			1.9	12.0
1/4	POSTED		0.8	12.6
crb			0.7	12.7
E.L.			0.5	12.9
T.P.	6.18	19.14	0.42	12.96

18+00

E.L.			5.0	14.1
crb			5.6	13.5
1/4			5.9	13.2
M			6.3	12.8
1/4			6.8	12.3
crb			7.4	11.7
W.L.			7.7	11.4

18+25

W.L.			6.6	12.5
crb			5.8	13.3
1/4			5.5	13.6
M			4.9	14.2
1/4			4.7	14.4
crb			4.2	14.9
E.L.			3.7	15.4

POSTED

18+50

E.L.			3.0	16.1
crb			3.3	15.8
1/4			3.9	16.2
M			4.6	14.5
1/4			5.0	14.0
crb			5.0	14.0
W.L.			6.0	13.1

19.14
18+75

W.L.	6.2	12.9
Crb	5.1	14.0
"	4.7	14.4
M	4.1	15.0
"	3.9	15.2
Crb	3.2	15.9
E.L.	2.6	16.5

19+00

E.L.	2.7	16.4
Crb	3.2	15.9
"	3.6	15.5
M	4.1	15.0
"	4.5	14.6
Crb	5.1	14.0
W.L.	6.2	12.9

19+25

W.L.	5.9	13.2
Crb	5.0	14.1
"	4.5	14.6
M	4.2	14.9
"	3.6	15.5
Crb	3.2	15.9
E.L.	2.6	16.5

19+50

E.L.	3.0	16.1
Crb	3.5	15.6
"	3.9	15.2
M	4.4	14.7
"	4.8	14.3
Crb	4.9	14.2
W.L.	5.4	13.7

19.14

19+75

W.L.	5.8	13.3
crk	5.4	13.7
1/4	5.1	14.0
M	4.8	14.3
1/4	4.5	14.6
crk	4.2	14.9
E.L.	3.7	15.4

20+00 S

E.L.	4.0	15.1
crk	4.4	14.7
1/4	4.7	14.4
M.	5.0	14.1
1/4	5.3	13.8
crk	5.4	13.7
W.L.	6.3	12.8

20+25

W.L.	6.0	13.1
crk	5.3	13.8
1/4	5.3	13.8
M	5.3	13.8
1/4	5.0	14.1
crk	4.5	14.6
E.L.	4.2	14.9

20+50

E.L.	4.5	14.6
crk	4.6	14.5
1/4	4.8	14.3
M	6.0	13.1
1/4	5.1	14.0
crk	5.1	14.0
W.L.	5.6	13.5

	19.14	
	20+75	
W.L.	5.7	13.4
crb	5.1	14.0
1/4	5.1	14.0
M	4.9	14.2
1/4	4.6	14.5
crb	4.6	14.5
E.L.	4.4	14.7
	21+00	
E.L.	5.3	13.8
crb	5.4	13.7
1/4	4.9	14.2
M	5.1	14.0
1/4	5.1	14.0
crb	4.9	14.2
W.L.	5.7	13.4

	21+25	
W.L.	5.6	13.5
crb	5.4	13.7
1/4	5.6	13.5
M	5.8	13.3
1/4	5.9	13.2
crb	6.1	13.0
E.L.	6.2	12.9
	21+50	
E.L.	6.7	12.4
crb	6.5	12.6
1/4	6.6	12.5
M	6.6	12.5
1/4	6.5	12.6
crb	6.5	12.6
W.L.	6.7	12.4

		19.14		
		21475		
W.L.			7.3	11.8
crb			7.1	12.0
1/4			7.1	12.0
M			7.1	12.0
1/4			7.0	12.1
crb			7.0	12.1
E.L.			6.9	12.2
		22+00		
E.L.			6.9	12.2
crb			7.2	11.9
1/4			7.4	11.7
M			7.5	11.6
1/4			7.5	11.6
crb			7.7	11.4
W.L.			7.6	11.5
T.P.	3.24	15.44	6.94	12.20

		15.44		
		22+25		
W.L.			4.0	11.4
crb			4.0	11.4
1/4			4.0	11.4
M			3.9	11.5
1/4			3.7	11.7
crb			3.8	11.6
E.L.			3.7	11.7
		22+50		
E.L.			3.8	11.6
crb			3.3	12.1
1/4			3.0	12.4
M			3.4	12.0
1/4			3.3	12.1
crb			4.0	11.4
W.L.			4.9	11.00

15.44

22+75

W. L.	4.5	10.9
crb	4.5	10.9
½	4.3	11.1
M	4.2	11.2
½	4.2	11.2
crb	4.2	11.2
E. L.	4.1	11.3

23+00

E. L.	4.4	11.0
crb	4.4	11.0
½	4.5	10.9
M	4.5	10.9
½	4.6	10.8
crb	4.6	10.8
W. L.	4.7	10.7

23+25

W. L.	4.7	10.7
crb	4.7	10.7
½	4.6	10.8
M	4.4	11.00
½	4.3	11.1
crb	4.1	11.3
E. L.	4.3	11.1

23+50

E. L.	4.1	11.3
crb	4.1	11.3
½	4.2	11.2
M	4.3	11.1
½	4.1	11.3
crb	4.2	11.2
W. L.	4.2	11.2

15.44
23+75

W.L.	4.5	10.9
crb	4.6	10.8
1/4	4.4	11.0
M.	4.4	11.0
1/4	4.3	11.1
crb	4.3	11.1
E.L.	4.2	11.2

24+00 S.

E.L.	5.2	10.2
Crb	5.2	10.2
1/4	5.2	10.2
M	5.2	10.2
1/4	5.0	10.4
crb	4.6	10.8
W.L.	4.6	10.8

24+25

W.L.	5.5	9.9
crb	5.7	9.7
1/4	5.6	9.8
M	5.8	9.6
1/4	5.8	9.6
crb	5.9	9.5
E.L.	5.8	9.5

24+50

E.L.	5.7	9.7
crb	5.6	9.8
1/4	5.6	9.8
M	5.7	9.7
1/4	6.2	9.2
crb	6.2	9.2
W.L.	6.1	9.3

POSTED

	15.44	
	24+75	
W.L.	6.1	9.3
crb	6.0	9.4
1/4	5.9	9.5
M	5.7	9.7
1/4	5.1	10.3
crb	5.7	9.7
E.L.	5.9	9.5
	25+00	
E.L.	6.0	9.4
crb	6.0	9.4
1/4	6.2	9.2
M	6.3	9.1
1/4	6.3	9.1
crb	6.2	9.2
W.L.	6.4	9.0

	25+25	
W.L.	6.4	9.0
crb	6.5	8.9
1/4	6.7	8.7
M	6.6	8.8
1/4	6.6	8.8
crb	6.4	9.0
E.L.	6.4	9.0
	25+50	
E.L.	6.8	8.6
crb	6.9	8.5
1/4	7.0	8.4
M	6.7	8.7
1/4	6.4	9.0
crb	6.4	9.0
W.L.	6.6	9.4

15.44

25+75

W. L.	7.1	8.3
Crk	7.0	8.4
C/L	7.0	8.4
M.	7.0	8.4
C/L	7.5	7.9
Crk	7.2	8.2
E. L.	7.4	8.0

26 + 03' S of Bay Ave.

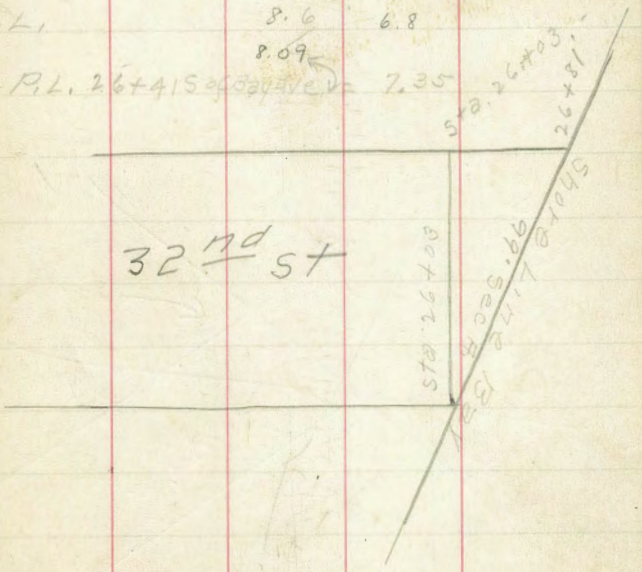
E. L.	7.9	7.5
Crk	7.8	7.6
C/L	7.9	7.5
M.	7.9	7.5
C/L	7.9	7.5
Crk	7.7	7.7
W. L.	7.8	7.6

Sec A See Plot

W. L.	7.8	7.6
+ 10	7.6	7.8
+ 20	7.5	7.9
+ 30	7.6	7.8
+ 40	7.7	7.7
+ 50	8.1	7.3
+ 60	8.1	7.3
+ 70	8.4	7.0
+ 80	8.4	7.0
+ 90	8.4	7.0
+ 99 = E. L.	8.6	6.8
	8.09	

Top Plug R.L. 26+41 S of Bay Ave = 7.35

POSTED



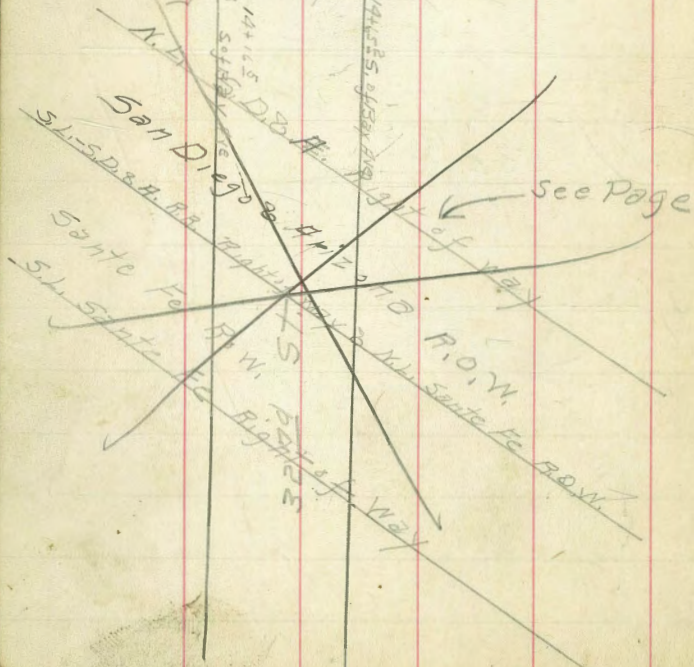
Levels on Santa Fe Tracks.

& 32nd St. (Near Brewery)

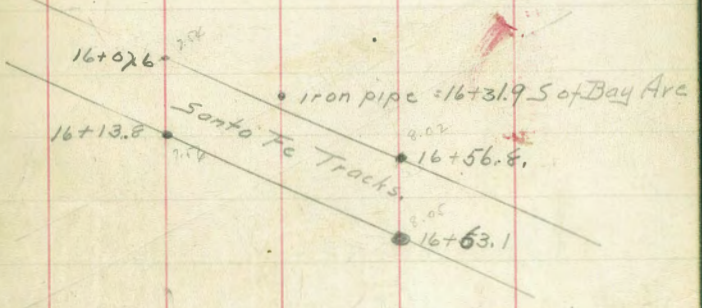
7/15/08 { Whittelsey, Williams, Degiel

		7.53	B.M.
16+07.6 on W	3.18	3.17	7.54
16+13.8 " "		3.15	7.56
16+56.8 on E		2.69	8.02
16+63.1 " "		2.66	8.05

Gage of rail taken.



See Page 76



Posted

16 13.8 63.1
07.6 56.8
6.2 6.3
31
√6.2
√9.9

31
07.6
16 10.7

X-Section "I" st from W.L. 28th East 9/2/08

B.M. top broom stick S.E. Cor 27th & H St 108.59

	+ R	H.I.	− R	Elev
B.M.	6.21	114.80		
		POSTED		
	8.41		12.30	102.50
		110.91		

W.L. 28th St. Note 28th St 68' wide

S	13.4	97.5	
crb	12.8	98.1	
1/4	12.2	98.7	
M	12.2	98.7	
1/4	12.8	98.1	
crb	13.6	97.3	
N	14.3	96.6	

W Curb

N	12.7	98.2
crb	12.5	98.4
1/4	12.5	98.4
M	11.8	99.1
1/4	11.5	99.4
crb	11.7	99.2
S.	12.3	98.6

Dunkle
Shaw
Lambert. 110.91

W 1/4

POSTED

S	11.4	99.5
crb	10.8	100.1
1/4	10.9	100.0
M	11.3	99.6
1/4	11.0	99.9
crb	10.2	100.7
N.	9.9	101.0

Center

N	7.8	103.1
crb	8.3	102.6
1/4	9.0	101.9
M	10.0	100.9
1/4	10.7	100.2
crb	10.9	100.0
S.	11.0	99.9

110.91

E 1/4

S	11.0	99.9
crb	10.4	100.5
1/4	9.3	101.6
M	8.3	102.6
1/4	7.0	103.9
crb	6.4	104.5
N	5.8	105.1

E crb

N	4.3	106.6
crb	4.7	106.2
1/4	5.2	105.7
M	6.6	104.3
1/4	7.7	103.2
crb	8.8	102.1
S.	10.1	100.8

110.91

E. L. 28th St

S			8.3	102.6
crb			6.9	109.0
1/4			5.7	105.2
M			4.6	106.3
1/4			3.3	107.6
crb			2.7	108.2
N			2.3	108.6

25' E. of 28th St.

N			+1.4	112.3
crb			+0.6	111.5
1/4			0.9	110.0
M			1.9	109.0
1/4			3.3	107.6
crb			4.5	106.4
S.			5.7	105.2
T.P.	11.34	121.37	0.88	110.03

	121.37		
	50' E.		
S	14.1	107.3	
crb	11.7	109.7	
1/4	9.3	112.1	
M	7.7	113.7	
1/4	6.6	114.8	
crb	5.6	115.8	
N	3.9	117.5	
	75'		
N	0.8	120.6	
Crb	3.2	118.2	
1/4	4.6	116.8	
M	6.5	114.9	
1/4	8.2	113.2	
crb	10.0	111.4	
S.	11.7	109.7	

	121.37		
	1+00 E		
S.		10.3	111.1
crb		9.0	112.4
1/4		7.6	113.8
M		5.5	115.9
1/4		4.5	116.9
crb		2.5	118.9
N		0.4	121.0
	1+25		
N		+0.3	121.7
crb		1.2	120.2
1/4		4.1	117.3
M.		5.4	116.0
1/4		6.9	114.5
crb		8.9	112.5
S		10.0	111.4

121.37

1+50' E.

S	11.8	109.6
Crb	9.8	111.6
1/4	7.5	113.9
M	6.3	115.1
1/4	5.0	116.4
Crb	2.8	118.6
N	+0.4	121.8

175' E.

N	1.8	119.6
Crb	3.6	117.8
1/4	5.7	115.7
M	7.8	113.6
1/4	9.7	111.7
Crb	11.7	109.7
S.	13.9	107.5

121.37

2+00 E. = W.L. Hoitst

S	15.1	106.3
Crb	13.0	108.4
1/4	11.3	110.1
M	9.3	112.1
1/4	7.2	114.2
Crb	5.9	116.0
N	3.7	117.7

W. Crb

N	4.1	117.3
Crb	5.4	116.0
1/4	7.9	113.5
M	10.5	110.9
1/4	12.6	108.8
Crb	14.4	107.0
S.	16.9	104.5

		171.37		
		W. 1/4		
S			18.2	103.2
Crk			16.4	105.0
1/4			14.3	107.1
M			11.8	109.6
1/4			9.1	112.3
crk			6.5	114.9
N			5.1	116.3
		center Hoitt.		
N			6.5	114.9
crk			9.3	112.1
1/4			11.7	109.7
M			14.5	106.9
1/4			16.6	104.8
crk			18.6	102.8
S.			20.9	100.5
T.P.	2.31	111.63	12.05	109.32

		111.63		
		E 1/4		
S			15.2	96.4
crk			12.7	98.9
1/4			9.7	101.9
M			7.8	102.8
1/4			5.5	106.1
crk			2.8	108.8
N.			0.5	111.1
		E crk		
N			3.3	108.3.
crk			5.9	105.7
1/4			8.4	103.2
M			10.4	101.2
1/4			13.0	98.6
crk			15.8	95.8
S.			18.2	93.4

11.63

E. L. Holt

S			16.8	94.8
crb			16.9	94.7
1/4			15.2	97.4
M			12.6	99.0
1/4			10.2	101.4
crb			8.5	103.5
N			5.8	105.8
T. P.	6.0	105.20	12.43	99.20

0+25' E of Holt.

N			1.3	103.9
crb			4.1	101.1
1/4			5.9	99.3
M			7.8	97.4
1/4			10.0	95.2
crb			10.0	95.2
S.			10.0	95.2

0+50'

S.			12.7	92.5
+9			11.4	93.8
+11			9.1	96.1
crb			9.3	95.9
1/4			9.8	95.4
M			9.0	96.2
1/4			7.7	97.5
crb			6.0	99.2
N			2.5	102.7

0+75' E,

N			5.2	100.0
crb			7.2	98.0
1/4			8.5	96.7
M			9.1	96.1
+12			9.2	96.0
1/4			11.6	93.6
+9			11.9	93.3
+11			10.2	95.0
crb			9.4	95.8
+2			7.7	97.5
S.			7.3	97.9

		105.20		
		1+00 E.		
S			4.3	100.9
crb			5.8	99.4
1/4			7.7	97.5
+3			7.9	97.3
+5			10.3	94.9
M			10.6	94.6
1/4			11.0	94.2
+1			11.0	94.2
+2			9.1	96.1
crb		POSTED	7.4	97.8
N			6.5	98.7
		1+25 E.		
N			8.1	97.1
crb			7.8	97.4
+7			7.8	97.4
+8			10.1	95.1
1/4			10.3	94.9
M			9.6	95.6
+2			9.4	95.8
+3			6.4	98.8
1/4			5.7	99.5
crb			3.5	101.7
S			1.4	103.8

		1+50 E.		
S			+1.1	106.3
crb			+0.3	105.5
1/4			1.7	103.5
M			4.1	101.1
1/4			5.6	99.6
+11			6.4	98.8
+12			8.9	96.3
crb			9.3	95.9
+12			9.5	95.7
N			7.0	98.2
T.P.	12.23	117.05	0.38	104.82
		1+75 E.		
N			16.9	100.1
crb			16.3	100.7
1/4			15.2	101.8
M			13.0	104.0
1/4			11.0	106.0
crb			9.5	107.5
S.			7.3	109.7

117.05

2+00 E. = W.L. 29th St

S		3.4	113.6
Crb		5.5	111.5
1/4		7.4	109.6
M		9.5	107.5
1/4		11.0	106.0
Crb		12.5	104.5
N		14.8	102.2
	W crb	29th	
N		11.2	105.8
Crb		10.0	107.0
1/4		8.6	108.4
M		6.6	110.4
1/4		4.9	112.1
Crb		3.0	114.0
S.		0.0	117.0

W 1/4

S		+1.9	118.9
Crb		0.7	116.3
1/4		2.8	114.2
M		4.2	112.8
1/4		6.1	110.9
Crb		8.2	108.8
N.		8.9	108.1
	Center		
N		7.6	109.4
Crb		6.2	110.8
1/4		4.2	112.8
M		2.1	114.9
1/4		0.5	116.5
Crb		+1.0	118.0
S.		+3.8	120.8

117.05

E. 1/4

S		+5.3	122.3
Crb		+3.4	120.4
1/4		+0.9	117.9
M		0.5	116.5
1/4		2.1	114.9
Crb		3.6	113.4
N		5.6	111.4
T. R.	12.56	129.25	0.36	116.69

E. Crb

N		16.1	113.2
Crb		13.8	115.5
1/4		12.3	117.0
M		10.3	119.0
1/4		8.9	120.4
Crb		6.8	122.5
S.		4.5	124.8

POSTED

129.25

E.L. 29th S.T.

S		2.5	126.8
Crb		4.4	124.9
1/4		6.4	122.9
M		7.9	121.4
1/4		9.5	119.8
Crb		11.4	117.9
N.		13.5	115.8

0+25' E of 29th St.

N		9.3	120.0
Crb		7.3	122.0
1/4		5.4	123.9
M		3.6	125.7
1/4		1.9	127.4
Crb		0.3	129.0
S.		+2.1	131.4

POSTED

129.25

0+50' E.

S.			+5.1	134.4	X
crb			+4.0	133.3	
1/4			+2.4	131.7	
M			+0.8	130.1	
1/4			+0.2	129.	
crb			1.4	127.9	
N.			4.0	125.3	
T.P.	12.22	141.09	0.38	128.87	

0+75' E.

N			11.3	129.8	
crb			9.4	131.7	
1/4			8.0	133.1	
M			7.0	134.1	
1/4			6.1	135.0	
crb			5.7	135.4	
S			5.5	135.6	

1+00' E

S			4.6	136.5	
crb			4.2	136.9	
1/4			4.1	137.0	
M			4.6	136.5	
1/4			5.0	136.1	
crb			5.8	135.3	
N.			7.1	134.0	

1+25' E.

N			5.5	135.6	
crb			4.3	136.8	
1/4			4.4	136.7	
M			4.2	136.9	
1/4			4.3	136.8	
crb			4.5	136.6	
S.			5.1	136.0	

141.09

1+50' E,

S	6.0	135.0
crb	5.4	135.7
1/4	4.6	136.5
M	4.5	136.6
1/4	4.3	136.8
crb	4.1	137.0
N.	4.5	136.6

1+75' E,

N	4.7	136.9
Crb	4.3	136.8
1/4	4.8	136.3
M	5.3	135.8
~~1/4~~	5.6	135.5
Crb	6.3	134.8
S.	7.3	133.8

141.09

2+00 E = W. L. Dodson St.

S	9.3	131.8
crb	7.8	133.3
1/4	6.9	134.2
M	5.8	135.3
1/4	5.0	136.1
crb	4.5	136.6
N	4.0	137.1

W. curb

N	4.0	137.1
Crb	5.0	136.1
1/4	5.3	135.8
M	6.0	135.1
1/4	7.1	134.1
crb	7.8	133.3
S.	9.0	132.1

141.09

W 1/4 Dodson

S	10.3	130.8
crb	9.0	132.1
1/4	8.0	133.1
M	7.3	133.8
1/4	6.2	134.9
crb	5.2	135.9
N	3.9	137.2

Center

N	3.5	137.6
crb	4.6	136.5
1/4	5.7	135.4
M	6.9	134.2
1/4	8.2	132.9
crb	9.4	131.7
S	10.9	130.2

E 1/4

S	10.5	130.6
crb	9.2	131.9
1/4	8.0	133.1
M	7.0	134.1
1/4	5.9	135.2
crb	4.6	136.5
N	3.2	137.9

E. curb

N	3.6	137.5
Crb	5.0	136.1
1/4	6.1	135.0
M	7.3	133.8
1/4	8.1	133.0
crb	9.1	132.0
S	10.9	131.2

141.09

E. L. Dodson

S	10.9	130.2
crb	9.2	131.9
1/4	8.2	132.9
M	7.4	134.7
1/4	6.1	135.0
crb	5.0	136.1
N	3.7	137.4

0+25

N	3.5	137.6
crb	4.8	136.3
1/4	6.1	135.0
M	7.1	134.0
1/4	8.1	133.0
crb	9.5	131.6
S	11.1	130.0

0+50 E

S	10.9	130.2
crb	9.2	131.9
1/4	8.2	132.9
M	7.0	134.1
1/4	5.9	135.2
crb	4.9	136.2
N	3.8	137.3

0+75' E

N	4.1	137.0
crb	5.7	135.4
1/4	6.6	134.5
M	7.5	133.6
1/4	9.1	132.0
crb	10.6	130.5
S	13.0	128.1

		141.09		
		1+00		
S			16.8	124.3
Crb			14.0	127.1
1/4			11.8	129.3
M			10.2	130.9
1/4			8.1	133.1
crb			6.9	134.2
N			5.2	135.9
T. P.	1.19	130.22	12.06	129.03
		1+25 E.		
N			+2.4	132.6
crb			+1.2	131.4
1/4			0.5	129.7
M			2.8	127.4
1/4			4.5	125.7
crb			6.9	123.3
S.			9.1	121.1

		130.22		
		1+50 E.		
S			14.0	116.2
crb			11.5	118.7
1/4			9.3	120.9
M			7.1	123.1
1/4			5.3	124.9
crb			3.5	126.7
N			1.2	128.0
		1+75 E		
N			4.8	125.4
crb			7.9	122.3
1/4			10.1	120.1
M			11.6	118.6
1/4			13.3	116.9
crb			15.0	115.2
S.			17.7	112.5
T. P.	2.16	119.49	12.89	117.33

119.49

2+00 E = W.L. 30th

S		5.5	114.0
crb		5.7	113.8
11/4		5.3	114.2
M		3.0	116.5
11/4		1.9	117.6
crb		0.1	119.4
N		+2.0	121.5

30th St Graded

E.L. 30th St.

N		3.2	116.3
crb		4.1	115.4
11/4		4.2	115.3
M		4.7	114.8
+10		6.0	113.5
11/4		7.7	111.8
+5		14.5	105.0
+12		15.7	103.8
crb		12.1	107.4
+2		5.1	114.4
S.		5.4	114.1

0+25 E.

S		17.2	102.3
+12		15.5	104.0
crb		16.6	103.4
+5		19.6	99.9
11/4		15.9	103.6
M		8.2	111.3
+7		5.2	114.3
11/4		5.2	114.3
crb		4.8	114.7
N		4.9	114.6

0+50 E.

N		6.6	112.9
crb		6.5	113.0
11/4		7.8	111.7
M		10.5	109.0
11/4		17.4	102.1
+5		18.3	101.2
+9		21.5	98.0
crb		22.0	97.5
+10		22.2	97.3
+11		20.1	99.4
S		20.2	99.3
T.P.	0.87	107.70	12.66	106.83

		107.70						
		0+75' E						
S			13.0	94.7				
+2			12.9	94.8				
+3			10.5	97.2				
crb			9.1	98.6				
1/4			7.5	100.2				
M			6.6	101.1				
1/4			3.6	104.1				
crb			0.5	107.2				
N			0.4	107.3				
		1+00 E.						
N			4.9	1028				
crb			6.1	101.6				
1/4			7.2	100.5				
M			9.2	98.5				
1/4			11.1	96.6				
crb			12.1	95.6				
S			13.2	94.5				

			1+25' E					
S				15.5	92.2			
crb				14.4	93.3			
1/4				12.9	94.8			
M				11.5	96.2			
1/4				10.2	97.5			
crb				8.9	98.8			
N				7.1	100.6			
			1+50 E					
N				9.5	98.2			
crb				11.0	96.7			
1/4				12.3	95.4			
M				13.5	94.2			
1/4				14.7	93.0			
crb				16.1	91.6			
S				16.9	90.8			
T.P.		0.66	95.62	12.74	94.96			

		95.62 1+75E.		4/2/08	Dunkle Shaw Lambert
S			5.7	89.9	
crb			4.8	90.8	
1/4			3.9	91.7	
M			2.9	92.7	
1/4			1.7	93.9	
crb			0.4	95.2	
N			+1.1	96.7	
		2+00 = E.L. Hoitt Add			
N			+0.3	95.3	
crb			0.9	94.7	
1/4			1.8	93.8	
M			3.2	92.4	
1/4			5.1	90.5	
crb			6.4	89.2	
S.			7.0	88.6	
E.L. Hoitts Add.					
T.P.	5.43	88.93	12.12	83.50	B.M. on stone

4/4/08	Dunkle Shaw Lambert		B.M. on stone 83.50		
B.M	10.30	93.80 H.I.		83.50	
		2+25' E of 30th St			
S			6.4	87.4	
crb			5.6	88.2	
1/4			4.1	[illegible]	POSTED
M			2.9	90.9	
N.L.			+1.0	94.8	

Note - readings taken on N.L. are only approximately. as we had orders to stay off Mr Matson's Property

		2+50' E			
N.L.			1.2	92.6	
center			3.9	89.9	
1/4			5.2	88.6	
Crb			6.1	87.7	
S			7.3	86.5	

		2+75' E.		
		93.80		
S			8.0	85.8
crb			7.0	86.8
1/4			6.2	87.6
M			5.0	88.8
N.L.			1.5	92.3
		3+00 E		
N.L.			2.8	91.0
center			6.0	87.8
1/4			7.3	86.5
crb			7.9	85.9
S			8.4	85.4
		3+25' E		
S			9.7	84.1
crb			8.7	85.1
1/4			8.1	85.7
N			7.0	86.8
N.L			4.8	89.0

		3+50' E		
N.L.			4.5	89.3
center			7.7	86.1
1/4			8.4	85.4
crb			10.0	83.8
S			10.1	83.7
		3+75' E		
S			10.3	83.5
crb			9.8	84.0
1/4			9.6	84.2
center			8.7	85.1
N.L.			5.0	88.8
T.P.	5.86	89.36	10.30	83.50
		4+00 E.		
N.L.			1.5	87.9
center			4.7	84.7
1/4			4.9	84.5
crb			5.3	84.1
S			5.8	83.6

89.36

4+25

S	6.6	82.8
crb	5.6	83.8
1/4	4.8	84.6
M	4.3	85.1
N. L.	1.0	88.4

4+50

N	1.6	87.8
crb	3.7	85.7
1/4	3.6	85.8
M	4.5	84.9
1/4	4.7	84.7
crb	6.0	83.4
S.	6.7	82.7

4+75

S	6.8	82.6
crb	6.1	83.3
1/4	5.5	83.9
M	4.3	85.1
1/4	4.5	84.9
crb	3.7	85.7
N	2.6	86.8

5+00 E

N	2.6	86.8
crb	4.0	85.4
1/4	4.1	85.3
M.	4.9	85.5
1/4	5.5	83.9
crb	6.5	82.9
S	7.2	82.2

8936

5+25 E

S	7.6	81.8
crb	7.0	82.4
1/4	6.3	83.1
M	5.4	84.0
1/4	4.5	84.9
crb	4.1	85.3
N	3.6	85.8

5+50

N	3.6	85.8
crb	4.3	84.1
1/4	5.2	84.2
M	6.0	83.4
1/4	6.8	82.6
crb	7.4	82.0
S	8.0	81.4

5+75

S	8.4	81.0
crb	7.8	81.6
1/4	7.3	82.1
M	6.7	82.7
1/4	5.9	83.5
crb	5.1	84.3
N	4.2	85.2

6+00 E

N	5.3	84.1
crb	6.1	83.3
1/4	6.8	82.6
M	7.4	82.0
1/4	7.7	81.7
crb	8.3	81.1
S	8.8	80.6

89.36

6+25 E

S	9.0	80.4
crb	8.7	80.7
1/4	8.3	81.1
M	7.9	81.5
1/4	7.4	82.0
crb	6.9	82.5
N	6.7	83.2

6+50

N	6.8	82.6
crb	7.3	82.1
1/4	7.8	81.6
M	8.6	80.8
1/4	8.9	80.5
crb	9.2	80.2
S	9.3	80.1

6+75

S	9.1	80.3
crb	9.2	80.2
1/4	8.9	80.5
M	8.7	80.7
1/4	8.4	81.0
crb	8.1	81.3
N	7.6	81.8

7+00 E

N	8.3	81.1
crb	8.6	80.8
1/4	8.7	80.7
M	8.8	80.6
1/4	9.1	80.3
crb	8.8	80.6
S	8.4	81.0

89.36

7+25 E

S	8.9	80.5
crb	8.7	80.7
1/4	8.7	80.7
M	8.6	80.8
1/4	8.1	81.3
crb	8.2	81.2
N	8.2	81.2

7+50 E

N	8.1	81.3
crb	8.3	81.1
1/4	8.1	81.3
M	8.2	81.2
1/4	8.4	81.0
crb	8.7	80.7
S	8.7	80.7

7+75

S	8.5	80.9
crb	8.1	81.3
1/4	8.0	81.4
M	8.2	81.2
1/4	7.9	81.5
crb	8.0	81.4
N	7.6	81.8

POSTED

7+95 E = W. L. 31st ST

N	7.70	82.4
crb	7.6	81.8
1/4	7.8	82.1
M	7.9	81.5
1/4	8.3	81.1
crb	8.3	81.1
S	8.5	80.9

See Page 52

W. L. 3/ St
H. I
88.93

S	8.0	80.9	
crb	7.8	81.1	
1/4	7.8	81.1	
M	7.4	81.5	x
1/4	7.3	81.6	
crb	7.1	81.8	
N	7.2	81.7	

W. Curb

N	7.0	81.9	
crb	7.2	81.7	
1/4	7.1	81.8	
M	7.4	81.5	x
1/4	7.5	81.4	
crb	7.6	81.3	
S	7.9	81.0	

W 1/4

S	7.5	81.4	
crb	7.2	81.7	
1/4	7.3	81.6	
M	6.9	82.0	x
1/4	6.8	82.1	
crb	6.9	82.0	
N	6.9	82.0	

POSTED

Center

N	6.8	82.1	
crb	6.7	82.2	
1/4	6.9	82.0	
M	7.3	81.6	x
1/4	7.3	81.6	
crb	7.4	81.5	
S	7.8	81.1	

X-Section "F" St

88.93

E 1/4

S	7.6	81.3	
crb	7.5	81.4	
1/4	7.4	81.5	
M	7.2	81.7	x
1/4	6.9	82.0	
crb	6.5	82.4	
N	6.5	82.4	

E. curb

N	6.2	82.7	
crb	6.7	82.2	
1/4	7.0	81.9	
M	7.4	81.5	x
1/4	7.5	81.4	
crb	7.8	81.1	
S	8.1	80.8	

E.L. 31 St St

S	7.7	81.2	
crb	7.2	81.7	
1/4	6.9	82.0	
M	6.9	82.0	x
1/4	6.8	82.1	
crb	6.4	82.5	
N	6.0	82.9	

0+25 E

N	5.8	83.1	
Crb	6.3	82.6	
1/4	6.5	82.4	
M	6.5	82.4	x
1/4	6.5	82.4	
crb	6.4	82.5	
S	6.8	82.1	

0+50 E

S	7.5	81.4	
Crb	7.3	81.6	
1/4	7.0	81.9	
M	6.5	82.4	x
1/4	6.2	82.7	
Crb	6.1	82.8	
N	5.9	83.0	

0+75

N	5.6	83.3	
Crb	5.9	83.0	
1/4	6.4	82.5	
M	6.6	82.3	x
1/4	7.0	81.9	
Crb	7.3	81.6	
S	7.6	81.3	

1+00

S	7.4	81.5	
Crb	6.9	82.0	
1/4	6.7	82.2	
M	6.5	82.4	x
1/4	6.4	82.5	
Crb	5.8	83.1	
N	5.5	83.4	

1+25 E

N	5.4	83.5	
Crb	6.0	82.0	
1/4	6.3	82.6	
M	6.0	82.9	x
1/4	6.6	82.3	
Crb	7.2	81.7	
S	7.6	81.3	

1+50 E.

S	7.3	81.6
crb	7.0	81.9
1/4	6.8	82.1
M	6.4	82.5
1/4	6.3	82.6
crb	5.8	83.1
N	5.4	83.5

1+75' E

N	5.2	83.7
crb	5.7	83.2
1/4	5.8	83.1
M	6.1	82.8
1/4	6.3	82.6
crb	6.8	82.1
S	7.0	81.9

2+00 E

S	6.1	82.8
crb	6.9	82.0
1/4	6.5	82.4
M	6.1	82.8
1/4	5.7	83.2
crb	5.2	83.7
N	4.9	84.0

2+25' E

N	4.9	84.0
crb	5.2	83.7
1/4	5.4	83.5
M	5.7	83.2
1/4	6.2	82.7
crb	6.2	82.7
S	6.3	82.6

2+50 E		
S	6.2	82.7
crb	5.9	83.0
1/4	5.6	83.3
M	5.4	83.5
1/4	5.4	83.5
crb	5.2	83.7
N	4.5	84.4
2+75 E		
N	4.7	84.2
crb	5.1	83.8
1/4	5.5	83.4
M	5.8	83.1
1/4	6.0	82.9
crb	6.1	82.8
S	6.3	82.6

3+00 E.		
S	5.8	83.1
crb	5.7	83.2
1/4	5.8	83.1
M	5.6	83.3
1/4	5.6	83.3
crb	5.4	83.5
N	5.1	83.8
3+25 E		
N	5.6	83.3
crb	5.9	83.0
1/4	6.1	82.8
M	6.2	82.7
1/4	6.4	82.5
crb	6.4	82.5
S.	6.4	82.5

3+50 E.

S	6.8	82.1
crb	6.7	82.2
1/4	6.6	82.3
M	5.9	83.0
1/4	5.9	83.0
crb	5.8	83.1
N	5.8	83.1

3+75 E

N	5.8	83.1
crb	6.1	82.8
1/4	6.2	82.7
M	6.4	82.5
1/4	6.8	82.1
crb	6.8	82.1
S	6.6	82.3

8893 H1

4+00

T6

S	6.9	82.0
crb	6.8	82.1
1/4	6.6	82.3
M	6.3	82.6
1/4	6.6	82.3
crb	6.5	82.4
N	6.3	82.6

POSTED

4+25 E

N	6.2	82.7
crb	6.4	82.5
1/4	6.4	82.5
M	6.3	82.6
1/4	6.6	82.3
crb	7.0	81.9
S	7.3	81.6

88.93

4+50

S			7.6	81.3
crb			7.2	81.7
1/4			7.8	81.1
M			6.7	82.2
1/4			6.6	82.3
crb			6.6	82.3
N			6.3	82.6
	4+75 E.			
N			6.3	82.6
crb			6.7	82.2
1/4			7.0	81.9
M			7.2	81.7
1/4			7.4	81.5
crb			7.6	81.3
S			7.4	81.5
T. P.	5.65	87.73	6.85	82.08

5+00 E

S			5.9	89.8
crb			6.3	81.4
1/4			6.1	81.6
M			6.1	81.6
1/4			5.7	82.0
crb			5.6	82.1
N			5.6	82.1
	5+25			
N			5.8	81.9
crb			5.8	81.9
1/4			5.7	82.0
M			5.8	81.9
1/4			6.0	81.7
crb			6.1	81.6
S			6.2	81.5

87.73

5+50 E

S	5.9	81.8
crb	5.9	81.8
1/4	5.7	82.0
M	5.7	82.0
1/4	5.7	82.0
crb	5.6	82.1
N	5.5	82.2

5+75 E

N	5.4	82.3
crb	5.6	82.1
1/4	5.4	82.3
M	5.2	82.4
1/4	5.6	82.1
crb	5.5	82.2
S	5.3	82.4

6+00 E = W.L. 3rd St

S	5.3	82.4
crb	5.2	82.5
1/4	5.2	82.5
M	5.1	82.6
1/4	5.1	82.6
crb	5.1	82.6
N	5.2	82.5

W. CURB

N	5.1	82.6
crb	5.0	82.7
1/4	4.9	82.8
M	4.9	82.8
1/4	4.9	82.8
crb	5.3	82.4
S	5.5	82.2

POSTED

87.73

W 1/4

S	5.7	82.5
crb	5.2	82.5
1/4	5.0	82.7
M	5.0	82.7
1/4	4.9	82.8
crb	5.2	82.5
N	5.0	82.7

center

N	6.6	81.1
crb	6.5	81.2
1/4	6.5	81.2
M	6.5	81.2
1/4	6.5	81.2
crb	6.5	81.2
S	6.5	81.2

E 1/4

S	5.3	82.4
crb	5.6	82.1
1/4	5.4	82.3
M	5.3	82.4
1/4	5.2	82.2
crb	5.5	82.2
N	5.8	81.9

E curb

N	4.7	83.0
crb	4.9	82.8
1/4	4.8	82.9
M	4.9	82.8
1/4	4.9	82.8
crb	4.8	82.9
S	4.8	82.9

April 3rd 05

Dinsdale
Shaw
Lambert

87.73
E.L. 32nd

S			4.9	82.8	
crb			4.7	83.0	
1/4			4.7	83.0	
M			4.8	82.9	
1/4			4.8	82.9	
crb			4.8	82.9	
N			4.8	82.9	
T.P.	5.05	88.80	3.98	83.75	Hub S.W. Cor 32nd & H

0+25 E

N			5.8	83.0	
crb			5.8	83.0	
1/4			5.7	83.1	
M			5.7	83.1	
1/4			5.6	83.2	
crb			5.7	83.1	
S			5.7	83.1	

0+50 E

S			5.5	83.3	
Crb			5.6	83.2	
1/4			5.4	83.4	
M			5.5	83.3	
1/4			5.3	83.5	
Crb			5.4	83.4	
N			5.4	83.4	

0+75 E

N			5.3	83.5	
Crb			5.2	83.6	
1/4			5.2	83.6	
M			5.3	83.5	
1/4			5.4	83.4	
Crb			5.5	83.3	
S			5.2	83.6	

POSTED

88.80

1+00' E of 32nd

S	4.9	83.9
crb	5.0	83.8
1/4	5.1	83.7
M	5.0	83.8
1/4	4.7	84.1
crb	4.7	84.1
N	4.9	83.9

1+25'

N	4.9	83.9
crb	4.9	83.9
1/4	4.9	83.9
M	4.9	83.9
1/4	4.8	84.0
crb	4.7	84.1
S	4.5	84.3

1+50

S	3.9	84.9
crb	4.0	84.8
1/4	4.1	84.7
M	4.0	84.8
~~crb~~ 1/4	4.3	84.5
crb	4.5	84.3
N	4.9	83.9

1+75' E

N	4.9	83.9
crb	4.6	84.2
1/4	4.2	84.6
M	4.0	84.8
1/4	3.8	25.0
crb	3.5	85.3
S	3.6	85.2

88.80

2+00 E

S	3.8	85.0
crb	3.9	84.9
1/4	4.1	84.7
M	4.5	84.3
1/4	4.5	84.3
crb	5.1	83.7
N	5.5	83.3

2+25

N	5.7	83.1
crb	5.4	83.4
1/4	5.0	83.8
M	4.9	83.9
1/4	4.9	83.9
crb	4.7	84.1
S	4.3	84.5

2+50

S	6.3	82.5
crb	6.1	82.7
1/4	6.1	82.7
M	6.0	82.8
1/4	6.3	82.5
crb	6.4	82.4
N	6.6	82.2

2+75'

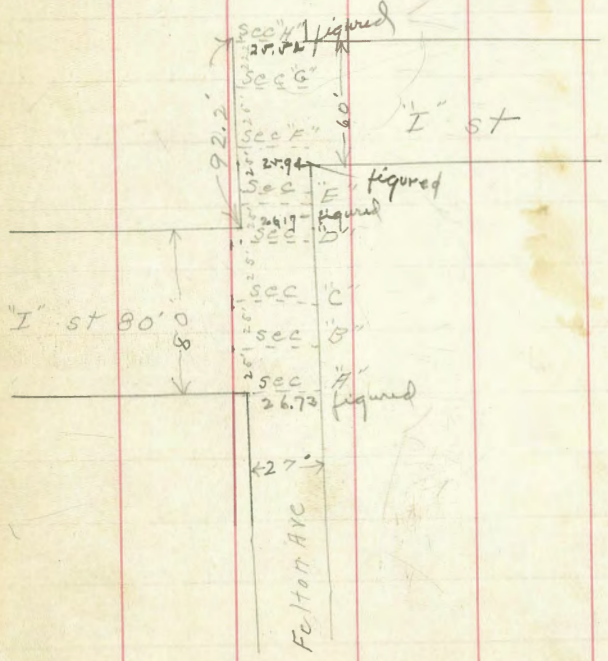
N	7.5	81.3
crb	7.7	81.1
1/4	7.8	81.0
M	7.8	81.0
1/4	8.0	808
crb	8.5	80.3
S	9.1	79.7

88.80
3+00 E

S			13.0	75 8
crb			12.6	76.2
1/4			12.3	76.5
M			11.6	77.2
1/4			11.1	77.7
crb			10.7	78 1
N			10.6	78.2
T. P.	0.09	76.48	12.41	76.39

3+38.6 on N.L. & 3+37.5 on S.L. = W.L. Felton

N			2.8	73 .7
crb			3.8	72 7
1/4			4.6	71.9
M			5.3	71.2
1/4			6.0	70 5
crb			6.1	70.4
S			6.9	69 .6



Felton Ave 27' wide

X-section "A" See Plot Page 63

76.48

W	6.9	69.6
center	8.6	67.9
E.	9.8	66.7

X-sec "B"

E	9.1	67.4
Center	7.6	68.9
W	6.1	70.4

X-sec "C"

W	4.7	71.8
center	7.3	69.2
E.	8.9	67.6

X-sec "D"

E	9.2	67.3
center	9.2	67.3
+ 8	8.0	68.5
W	3.0	73.5

X-sec "E"

W	2.0	74.5
+5	8.5	68.0
center	11.1	65.4
+9	10.4	66.1
E	8.5	68.0

X-sec "F"

E	11.2	65.3
center	8.5	68.0
+9	7.5	69.0
W	2.4	74.1

X-sec "G"

W	3.1	73.4
+8	4.9	71.6
center	6.5	70.0
+5	7.0	69.5
E	14.6	61.9

76.48

X-sec "H"

E.			17.6	58.9
center			9.5	67.0
W			3.3	73.2

X-Section "I" St from E.L. Felton

note - "I" St 60' wide from Felton E.

E.L. Felton

S			8.4	68.1
+ 5			10.2	66.3
crb			11.0	65.5
1/4			10.9	65.6
M			12.9	63.6
1/4			14.9	61.6
crb			16.7	59.8
N			17.6	58.9
T.P.	0.14	64.02	12.60	63.88

0+75' E

N			17.4	46.6
crb			16.8	47.2
1/4			15.5	48.5
+ 5			13.9	50.1
M			11.5	52.5
+ 6			7.6	56.4
1/4			7.2	56.8
+ 6			6.9	57.1
crb			8.6	55.4
S			6.0	58.00
T.P.	0.42	51.82	12.62	57.40

0+50 E

S			2.7	49.1
crb			5.2	46.6
+ 2			5.5	46.3
+ 8			2.2	49.6
1/4			1.7	50.1
+ 8			1.3	50.5
M			2.0	49.8
1/4			6.2	45.6
crb			6.9	44.9
N			6.8	45.0

51.82 H.I

0+75

N	8.0	43.8
crb	8.3	43.5
1/4	7.3	44.5
M	5.8	46.0
1/4	6.7	45.1
crb	7.8	44.0
S	8.0	43.8

1+00 E

S	9.2	42.6
crb	8.8	43.0
1/4	8.8	43.0
M	8.4	43.4
1/4	9.0	42.8
crb	8.6	43.2
N	8.5	43.3

1+25 E

N	8.5	43.3
crb	8.7	43.1
+2	8.7	43.1
+5	9.5	42.3
1/4	9.0	42.8
M	8.5	43.3
1/4	9.1	42.7
+7	9.9	42.9
+8	9.3	42.5
crb	9.3	42.5
S	9.3	42.5

1+50 E

S	9.8	42.0
crb	9.8	42.0
+3	10.2	41.6
1/4	9.6	42.2
M	9.2	42.6
1/4	9.3	42.5
+6	9.6	42.2
+7	8.9	42.9
crb	8.7	43.1
N	8.5	43.3

		57.82		
		1+75 E		
N			8.8	43.0
+7			9.0	42.9
+8			10.4	41.4
crb			10.7	41.1
+7			10.7	41.1
1/4			10.0	41.8
M			9.5	42.3
1/4			9.6	42.2
+7			10.6	41.2
+8			9.7	42.1
crb			9.7	42.1
S			10.0	41.8
		2+00		
S			11.0	40.8
crb			10.6	41.2
+3			11.1	40.7
1/4			10.6	41.2
+3			11.1	40.7
M			10.6	41.4
+2			9.5	42.3
1/4			10.6	41.2
+6			12.0	39.8
+7			10.8	41.0
crb			10.4	41.4
crb			9.7	42.1
T.P.	0.76	42.24	10.34	41.48

		42.24		
		2+75 E		
N			1.8	40.4
crb			1.7	40.5
+3			1.7	40.5
+4			2.8	39.4
1/4			1.6	40.6
M			1.3	40.9
1/4			2.0	40.2
+7			2.4	39.8
+8			1.5	40.7
crb			1.5	40.7
S			1.8	40.4
		2+50		
S			2.2	40.0
crb			2.0	40.2
+3			2.0	40.2
+4			2.9	39.3
1/4			2.9	39.3
M			1.8	40.4
1/4			2.4	39.8
+6			3.2	39.6
+7			2.1	40.1
crb			2.4	39.8
N			2.2	40.0

	42.24	
	2+75	
N	2.6	39.6
crb	3.1	39.1
+3	3.7	38.5
1/4	3.1	39.1
M	2.3	39.9
1/4	3.0	39.2
+8	3.6	38.6
+9	2.8	39.4
crb	2.6	39.6
S	2.8	39.4
	3+00	
S	3.6	38.6
crb	3.5	38.7
+4	3.4	38.4
+5	4.0	38.2
1/4	3.9	38.3
M	3.0	39.2
1/4	3.8	38.4
crb	3.6	38.6
N	3.2	39.0

	3+25	
N	3.5	38.7
crb	3.8	38.4
+3	4.0	38.2
+4	4.7	37.5
1/4	4.3	37.9
M	3.7	38.5
1/4	4.4	37.8
crb	4.0	38.2
S	4.2	38.2
	3+50	
S	4.7	37.5
crb	4.4	37.8
1/4	4.8	37.4
M	4.1	38.1
1/4	4.4	37.8
+6	5.0	37.2
+8	4.5	37.7
Crb	4.4	37.8
N	4.4	37.8

42.24

3+75

N	4.8	37.4
crb	4.7	37.5
+2	4.7	37.5
+3	5.6	36.6
1/4	4.7	37.5
M	4.2	38.0
1/4	5.0	37.2
crb	4.8	37.4
S	4.8	37.4

4+00

S	5.4	36.8
crb	5.1	37.1
1/4	5.4	36.8
M	4.7	37.5
1/4	5.0	37.2
+8	5.7	36.5
+9	5.1	36.1
crb	5.1	37.1
N	5.1	37.1

4+25

N	5.5	36.7
crb	5.4	36.8
+2	5.4	36.8
+3	6.0	36.2
1/4	5.4	36.8
M	5.0	37.2
1/4	5.6	36.6
crb	5.4	36.8
S	5.6	36.6

4+50

S	5.8	36.4
crb	5.9	36.3
1/4	6.1	36.1
M	5.5	36.7
1/4	5.8	36.4
+6	6.4	35.8
+8	5.8	36.4
crb	5.6	36.6
N	5.7	36.5

42.24

4+75

N	6.0	36.2
crb	5.9	36.3
+2	6.0	36.2
+3	6.5	35.7
1/4	6.2	36.0
M	5.7	36.5
1/4	6.4	35.8
crb	6.3	35.9
S	6.0	36.2

5+00 = W.L. 33 to 9 ST

S	6.4	35.8
crb	6.8	35.4
1/4	6.6	35.6
M	6.1	36.1
1/4	6.3	35.9
+7	6.8	35.4
+8	6.2	36.0
crb	6.1	36.1
N	6.2	36.0

W. curb 33 to 9 ST

N	6.3	35.9
crb	6.5	35.7
1/4	6.4	35.8
M	6.2	36.0
1/4	6.8	35.4
crb	6.9	35.3
S	6.9	35.3

W 1/4

S	6.9	35.3
crb	7.0	35.2
1/4	6.8	35.4
M	6.3	35.9
1/4	6.5	35.7
crb	6.5	35.7
N	6.5	35.7

POSTED

42.24

center 33rd St

N	6.2	36.0
crb	6.4	35.8
1/4	6.4	35.8
M	6.4	35.8
1/4	6.6	35.6
crb	7.3	34.9
S	6.5	35.6

E 1/4

S	7.0	35.2
crb	7.5	34.7
1/4	7.0	35.2
M	6.4	35.8
1/4	6.6	35.6
crb	6.9	35.3
N	6.7	35.5

E. curb

N.	6.6	35.6
crb	6.6	35.6
1/4	6.8	35.4
M	6.3	35.9
1/4	6.7	35.5
crb	7.6	34.6
S	6.6	35.6

E.L. 33rd St

S	6.7	35.5
+9	6.5	35.4
crb	7.7	34.5
+5	7.7	34.5
+6	7.1	35.1
1/4	6.8	35.4
M	6.5	35.7
1/4	7.0	35.2
+5	7.3	34.9
+6	6.8	35.4
crb	6.8	35.4
N	6.8	35.4

		42.24		
		0+25		
N			6.8	35.4
crb			6.6	35.6
+3			7.0	35.2
+4			7.8	34.4
1/4			7.3	34.9
M			7.0	35.2
1/4			7.0	35.2
crb			8.2	34.0
+2			7.0	35.2
S			7.1	35.1
		0+50 E		
S			8.9	33.3
crb			8.6	33.6
~~+4~~ 5			8.4	33.8
1/4			7.6	34.6
M			7.2	35.0
1/4			7.4	34.8
+6			8.1	34.1
+8			6.7	35.5
crb			6.7	35.5
N			8.2	34.0
T. P.	6.59	40.22	8.61	33.67

	40.22		
	0+75' E		
N		6.8	33.4
crb		6.6	33.6
1/4		6.4	33.8
M		6.5	33.7
1/4		6.8	33.4
crb		6.6	33.6
S		6.7	33.5
	1+00		
S		6.9	33.3
crb		7.1	33.1
1/4		6.7	33.5
M		6.6	33.6
1/4		6.8	33.4
crb		6.9	33.3
N		7.1	33.1

40.22

1+25

N	7.9	32.3
+8	7.3	32.9
crb	6.8	33.4
1/4	6.6	33.6
M	6.4	33.8
+8	7.6	32.6
1/4	7.5	32.7
crb	7.2	33.0
S	7.3	32.9

1+50

S	5.6	34.6
crb	5.7	34.5
1/4	5.2	35.0
M	5.4	34.8
1/4	5.3	34.9
crb	6.3	33.9
N	6.9	33.3

1+75 E

N	4.7	35.5
Crb	5.0	35.2
1/4	5.2	35.0
M	5.4	34.8
1/4	5.4	34.8
crb	5.8	34.4
S	6.3	33.9

2+00

S	6.6	33.6
crb	6.4	33.8
1/4	6.3	33.9
M	7.2	33.0
1/4	6.6	33.6
crb	5.8	34.4
N	5.0	35.2

POSTED

40.22

2+25

N	7.0	33.2
crb	7.4	32.8
1/4	8.1	32.1
M	7.7	32.5
+6	10.3	29.9
1/4	10.6	29.6
crb	11.4	28.8
S	11.6	28.6

2+50

S	8.3	31.9
crb	8.5	31.7
1/4	8.5	31.7
M	8.8	31.4
1/4	8.8	31.4
crb	8.6	31.6
N	8.9	31.3

2+75

N	6.9	33.3
+7	6.6	33.6
+6	5.4	34.8
crb	4.9	35.3
+4	4.3	35.9
+6	3.4	36.8
1/4	3.6	36.6
M	3.8	36.4
1/4	4.4	35.8
crb	4.2	36.0
S	4.2	36.0

3+00

S	4.2	36.0
crb	4.1	36.1
1/4	4.0	36.2
M	3.6	36.6
1/4	3.5	36.7
crb	3.3	36.9
N	3.1	37.1

40.22

3+25

N	3.1	37.1
crb	3.3	36.9
1/4	3.4	36.8
M	3.5	36.7
1/4	3.8	36.4
crb	3.9	36.3
S	4.1	36.1

3+50

S	4.1	36.1
crb	3.8	36.4
1/4	3.8	36.4
M	3.7	36.5
1/4	3.6	36.6
crb	3.5	36.7
N	3.2	37.0

3+75

N	3.4	36.8
crb	3.6	36.6
1/4	3.7	36.5
M	3.7	36.5
1/4	3.8	36.4
crb	3.9	36.3
S	3.9	36.3

4+03.6 on north 4+03.2 on south line
= E. L. McClarren's Addition

S	3.4	37.1
crb	3.1	37.1
1/4	2.8	37.4
M	2.7	37.5
1/4	2.6	37.6
crb	2.6	37.6
N	2.9	37.3

3.00 on hub at end of south line

1416.5
1292
1545.7
1292
1674.9

1723.5
1594.3
129.2

1594.3
1465.2
129.1

1465.2
1292
1594.4
1292
1723.6

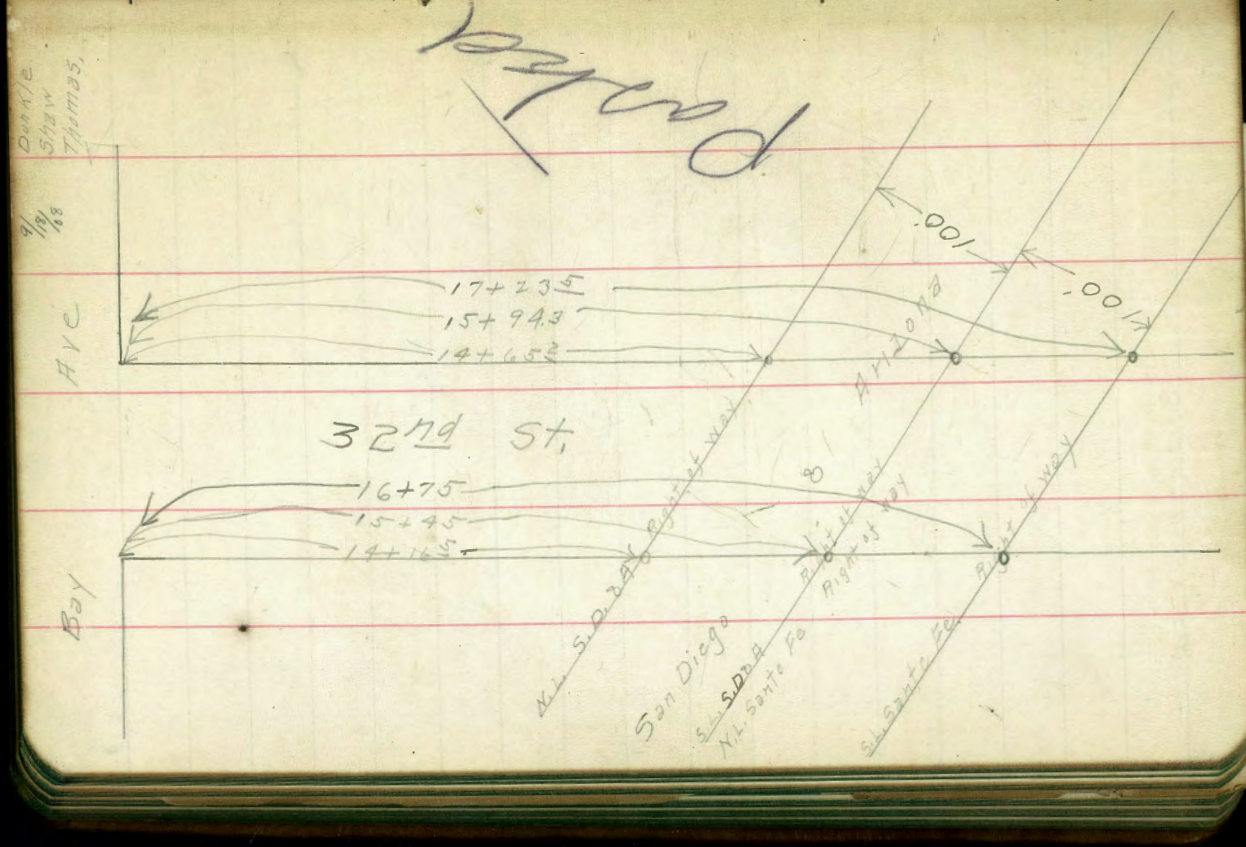
167.5
154.5
13.0

1545.0
1416.5
128.5

1291
1292
2583

130
128.5
2585

2584
129.2



DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

For Single Track Embankment.

Roadway 14 feet wide. Side Slopes 1½ to 1.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	27
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.