1234

EAST

FIELD BOOK

No. 385

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.

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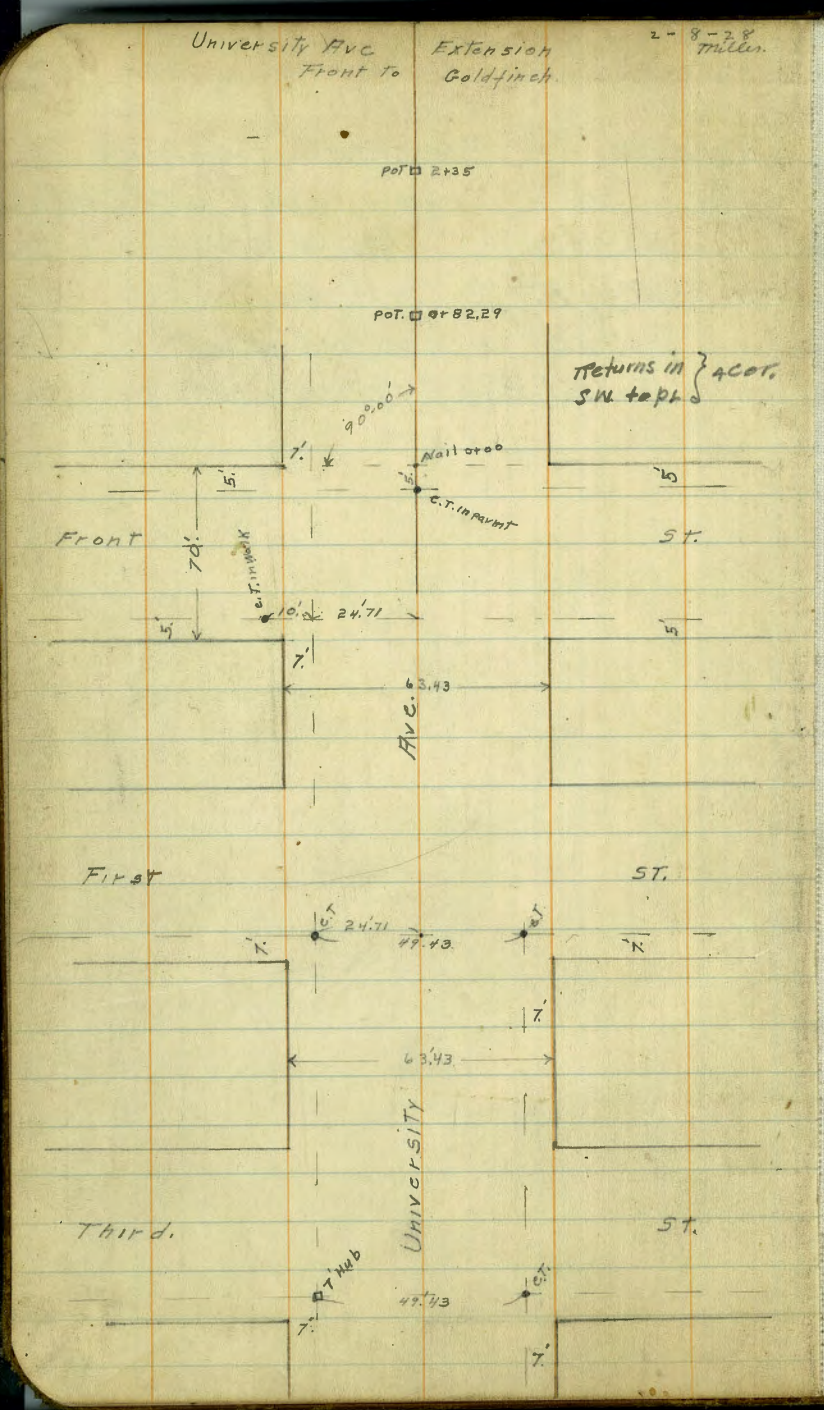
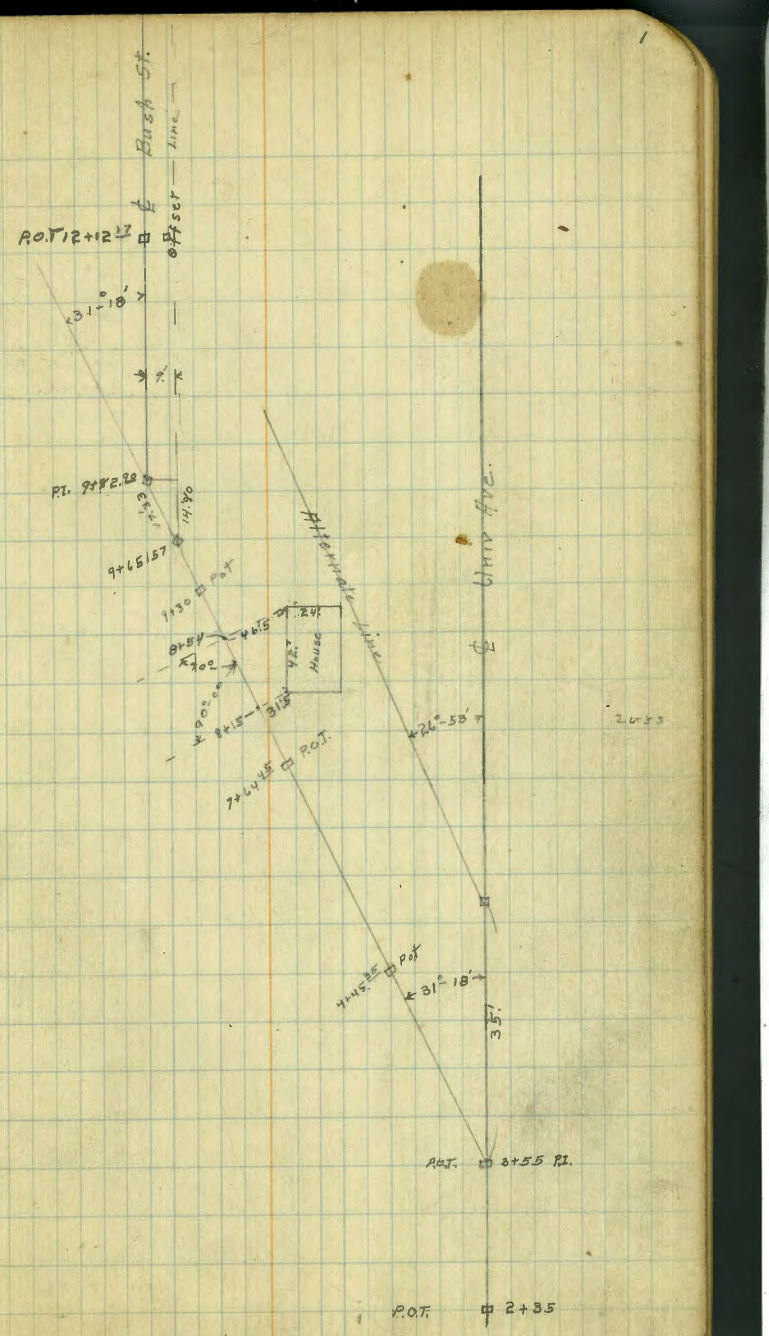
Zinnibund topo 60 7/16/30 KM

University Ave. Extension	Front to Goldfinch	1
X Sec. 36th	from Imperial to Gilmore	26
" " Imperial	" 36 to 40	33
" " Alley Blk 3	- City Hts Anex No 1	53
" " Wallace	- Juan to Chestnut	63
" " Sunset Blvd.	Wallace to Harney	74

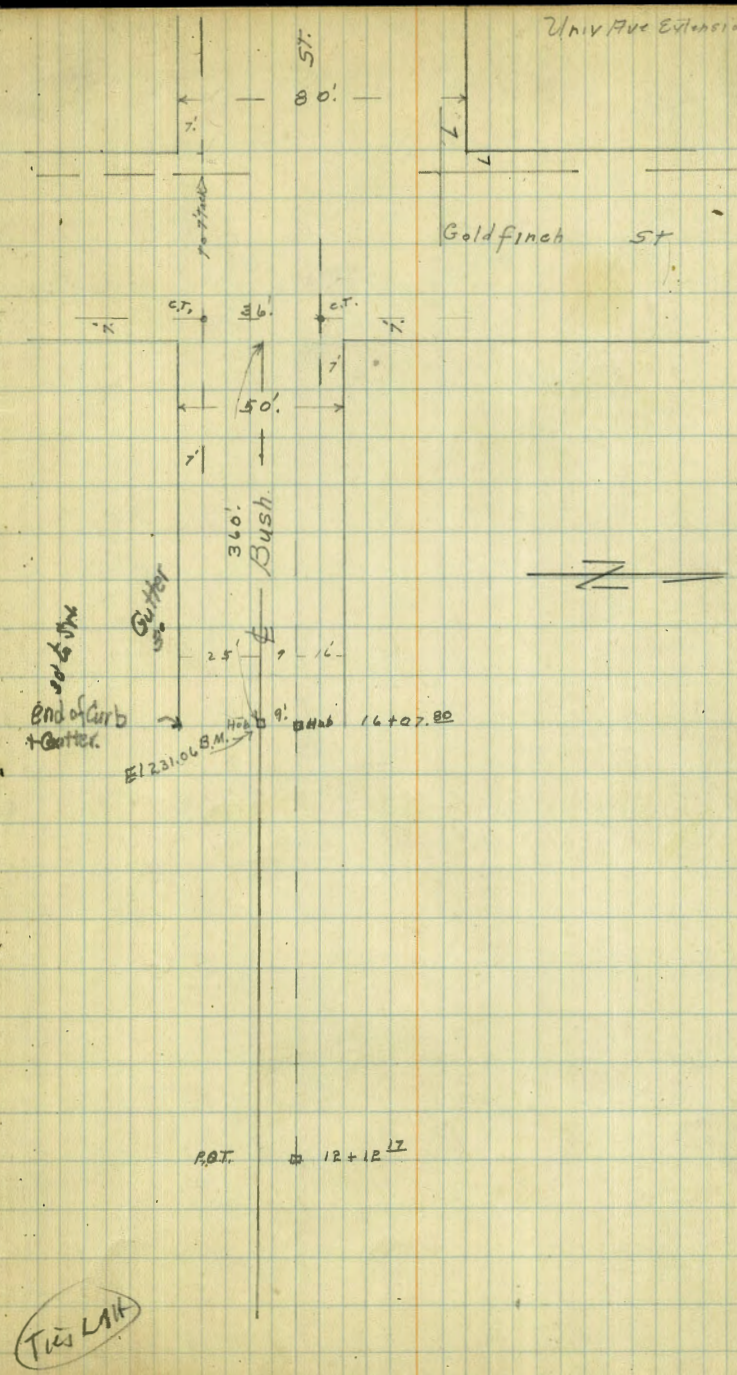
University Ave Extension
Front to Goldfinch

2 - 8 - 28
Miller.





Ties
LBA


St.
80'
Goldfinch St
C.T.
C.T.
50'
360'
Bush
Gutter
End of Curb + Gutter
El 231.04 B.M.
16+07.80
P.O.T. 12+12.17

℄ Levels Proposed University Ave 2-8-28
Millen

Extension. Front to Goldfinch & Bush

B.M.	4.89	274.86		269.97	N.E. Front & Robinson
T.P. B.M. B.F.	7.40	272.91	3.35	271.51	S.E. Front & University
00 = W. Line Front St.			1.73	271.18	on Pavmt.
0+8			0.3	72.6	
0+45			3.5	69.4	
0+80			6.6	266.3	
T.P.	0.74	260.54	13.11	259.80	
T.P.	0.59	248.11	13.02	247.52	
1+45			7.6	240.5	
1+65			10.5	37.6	
1+85			7.7	40.4	
2+30			12.7	35.4	
T.P.	0.43	235.59	12.95	235.16	
2+90			13.8	21.8	
3+05			13.3	22.3	
3+20			11.6	24.0	
3+55. H4b P.I. Δ 31°18' L			6.09	229.50	oH H4b
35' W. of 3+55 on ℄ Univ. Produced			+4.1	239.7	
4+15			2.3	32.3	
4+50			8.0	27.6	
5+00			17.0	218.6	
T.P.	0.59	224.32	11.86	223.73	
5+50			7.7	216.6	
6+00			10.5	13.8	
+20			10.6	13.7	
T.P.	0.26	211.55	13.03	211.29	
+50			2.3	09.3	

Ex = 7.7
for R 200' T = 56.03 8.2 227.4

B.M. 260.00 N.E. Bush Goldfinch
0.48
260.48
12.38
248.15
0.61
248.76
12.58
236.18
1.49
237.87
6.81
231.06

		211.55		
7+00			4.6	207.0
7+50			7.3	204.3
7+44.45 Hub P.O.T.			7.0	204.6
T.P.	2.88	206.01	8.42	203.13
8+00			0.0	206.0
+50			4.3	01.7
+70			6.4	199.6
9+00			6.4	199.6
T.P.				
9+20 Hub P.O.T.	2.85	201.45	7.41	198.60
9+82.92 P.I. Δ 31°-18' R			6.2	195.2
10+50			6.1	95.3
11+06			7.2	94.2
11+42			9.6	91.8
11+50			12.0	89.5
11+80			6.7	94.7
T.P.	10.14	204.09	7.50	193.95
set BM. Hub Sta 12+12.42 on 9'N. offset Line			1.48	02.61 9'N & Bush produced
12+12.42			3.8	00.3
12+50			6.2	07.9
13+00			6.3	07.8
14+00			1.8	02.3
T.P.	11.90	215.49	0.50	203.59
14+50			5.1	10.4
15+00			2.0	13.5
T.P.	11.68	226.87	0.30	215.19
15+70			10.6	16.2

226.87

T.P.	10.29	236.11	1.05	225.82
16+07.80 Hub			5.03	231.08 = 231.06 + Goldfinch Hub Bush

63.43 Wide
10' elev
270.86

Univ. Ave. & Sec. Front St West

2-9-28
miller

BM.	2.35	273.86	271.51	S.E. Univ Ave & Front
		0.0 = W. Line Front St.		
S.		2.7	71.1	
S cmt. cb.		2.86	71.00	
gutter pavmt.		3.53	70.33	
¼	"	2.96	70.90	
C	"	2.64	271.30	1
¼	"	2.67	71.19	
gutter	"	2.98	70.88	
N. cmt cb		2.37	71.49	
+5		1.1	72.8	
N.		0.8	73.0	
+60 N		1.8	72.0	
	7' W.			
-60 N		1.8	72.0	
N		0.6	73.2	
+7		0.6	73.2	
cl		1.5	72.3	
+4		3.2	70.6	
¼		1.5	72.3	
C		1.2	72.6	
¼		2.3	71.5	
+5		3.9	70.0	
+6		2.8	71.0	
Cl		2.8	71.0	
S		3.1	70.8	

273.86

	35' N	
S	3.8	70.0
cl	3.7	70.2
¼	3.7	70.2
+3	4.7	69.2
C	3.3	70.6
+4	4.1	69.8
¼	2.9	71.0
cl	2.7	71.2
N	1.9	72.0
+60' N	1.9	72.0
	60' N	
-60	2.5	71.4
N	3.2	70.7
cl	3.9	70.0
¼	4.5	69.4
+8	5.7	68.2
C	4.8	69.1
¼	4.5	69.4
cl	4.5	69.4
S	4.6	69.4
	78' W	
S	5.4	68.5
cl	6.1	67.8
¼	6.6	67.3
+6	8.5	65.4
C	6.5	67.4

273.86

78' W. (con)

¼	4.3	69.6
el	3.7	70.2
N	3.7	70.2
+55' N.	3.5	70.4

85' W.

-55' N.	3.5	70.4
N.	2.8	71.1
el	3.1	70.8
¼	4.3	69.6
c	8.2	65.7
+3	9.3	64.6
¼	9.4	64.3
el.	9.5	64.4
+5	9.0	64.9
S	6.7	67.2

90' W

S	8.2	65.7
+5	11.2	62.7
el	11.7	62.2
¼	11.5	62.4
e	10.9	63.0
¼	6.7	67.2
el	3.9	70.0
N.	3,8	70.1
N+50	4.0	69.9

273.86

100'

50' N	5.1	68.8
25' N	4.6	68.3
N.	8.4	65.5
el	10.0	63.9
¼	12.8	61.1
c	14.9	59.0
¼	15.6	58.3
el	16.0	57.9
S	14.9	63.0
T.P. 0.90	262.30	12.46 261.40

120' W.

-10	4.6	57.7
S	8.3	54.0
+7	12.1	50.2
el	13.3	49.0
¼	12.6	49.7
C	11.1	51.2
¼	10.6	51.7
el	8.8	53.5
N	7.1	54.2
+15	3.9	58.4

140' W

-25	9.6	52.7
N	14.8	47.5
el	17.0	45.3
¼	18.3	44.0

262.30

140' W. (eom)

c	20.2	42.1	
1/4	19.6	42.7	
el	19.2	43.1	
S	19.3	43.0	Wash
+25	15.0	47.3	

150' W.

-25	14.6	47.7	
S	19.2	43.1	
el	20.8	41.5	
1/4	22.0	40.3	
c	22.8	39.5	
1/4	21.8	40.5	
el	20.8	41.5	
N.	18.8	243.5	
+30	14.2	48.1	

170' W.

-30	23.8	38.5	
N	25.8	36.5	
el	26.5	35.8	
1/4	27.5	34.8	Wash
c	24.5	37.8	
1/4	22.0	40.3	
el	19.2	43.1	
S	15.4	46.9	
+15	10.4	51.9	

262.30

185' W.

-15	7.0	55.3	
S	11.7	50.4	
el	15.0	47.3	
1/4	20.5	41.8	
c	22.0	40.3	
1/4	25.7	36.6	
+5	29.3	33.0	
el	29.7	32.6	
N	30.2	232.1	
+30	28.6	33.7	

200

-40	37.3	225.0	Wash
-30	36.7	225.6	
-20	32.0	30.3	
N	32.3	30.0	
+5	34.2	28.1	Wash.
el	30.6	31.7	
1/4	27.5	34.8	
c	23.4	38.9	
1/4	19.9	42.4	
el	14.0	48.3	
S	8.7	53.6	
+10	4.4	57.9	

215' W

-10	5.0	57.3
S	9.7	52.6
el	15.3	47.0

		262.30			
		215' W. (con)			
1/4			20.4	41.9	
c			24.0	38.3	
1/4			28.1	34.2	
cl			31.3	34.0	
T.P.	1.93	251.43	12.80	249.50	
N			24.6	26.8	
+25			26.4	25.0	wash
+50			24.4	27.0	
		235' W			
-50			22.1	29.3	
-12			27.0	24.4	wash
N			26.8	24.6	
cl			24.2	27.2	
+7			24.0	27.4	
1/4			21.7	29.7	
c			18.0	33.4	
1/4			13.2	38.2	
cl			9.7	41.7	
S			5.2	46.2	
+10			0.4	51.0	
		260' W			
-25			0.8	50.6	
S			13.6	37.8	
cl			17.7	33.7	
1/4			21.3	30.1	
c			25.0	26.4	

		251.43			
1/4			27.0	24.4	
cl			27.5	23.9	
N			27.8	23.6	& wash
+15			24.6	24.8	
+35			21.2	30.2	
		280' W			
-30			19.3	32.1	
-5			25.6	25.8	
N			27.5	23.9	
cl			28.8	22.6	
1/4			29.5	21.9	& wash
+5			29.8	21.6	
c			27.3	24.1	
1/2			25.0	26.4	
cl			20.5	30.9	
S			19.4	32.0	
+20			11.6	39.8	
+50			3.5	47.9	
		300' W			
-50			14.0	37.4	
-20			22.9	29.4	
S			26.0	25.4	
cl			29.4		
1/4			30.2	20.7	& wash
c			29.5	21.9	
1/4			28.0	23.4	

251.43
300' W. (cont)

cl		26.7	24.7
N		24.3	27.1
+20		18.8	32.6
	315' N		
N-16		18.0	33.4
N		22.0	29.4
cl		24.0	27.4
1/4		27.0	24.4
C		28.0	23.4
1/4		29.5	21.9
cl		30.6	20.8
+3		30.8	20.6 ℄ wash
S		31.0	20.4
+20		28.0	23.4
+35		22.0	29.4
	330' N		
S		30.6	20.8
cl		28.0	23.4
1/4		27.4	24.0
C		25.5	25.9
1/4		24.0	27.4
cl		22.2	29.2
N		19.6	31.8
+15		15.0	36.4

251.43
346' W = Δ on S.

N-15	11.0	40.4
N	16.0	35.4
cl	18.0	33.4
1/4	21.3	30.1
C	24.0	27.4
1/4	24.0	25.4
cl	27.5	23.9
S. Δ on S.	28.0	23.4
355' W. on ℄ = Δ 31°18' section on split		
100' S. of S. Line	4.2	47.2
65' " " " "	21.0	30.4
45' " " " "	31.5	19.9
30' " " " "	32.5	18.9 ℄ wash
15' " " " "	29.0	22.4
S. Line Δ	28.0	23.4
cl	27.1	24.3
1/4	25.1	26.3
C	22.0	229.4
1/4	19.5	31.9
cl	13.8	37.6
N. Δ	9.2	42.2
+5	5.0	46.4
8.8' W on ℄ = Δ on S		
N-10	4.0	47.4
N	8.3	43.1
cl	14.2	37.2

251.43

Δ on s (con)

¼			18.3	33.1
e			22.0	29.4
¼			25.0	26.4
cl			26.7	24.7
S Δ.			28.0	23.4
		H00' W. on ℄		
S-50	31.71		32.7	19.7
S-35			34.3	17.1 ℄ wash
S-15			31.0	20.4
S			28.0	23.4
d.			25.5	25.9
¼			23.3	28.1
e			19.1	32.3
¼			14.0	37.4
cl			8.5	42.9
N.			2.4	249.0
N+15			48.1	259.5
T.P.	2.95	252.45	1.93	249.50
T.P.	12.91	252.48	12.88	239.57

From Here West shots are N.W. s. of ℄.

420' N. on ℄

50'N of ℄			45.0	257.5
25'N of ℄			8.6	43.9
℄			19.9	32.6
25' S. of ℄			28.2	24.3
31' " "			31.1	21.4

252.48

50' S of ℄			33.2	19.3
63' " " "			36.7	15.8 Wash
75' " " "			31.6	20.9
120' " " "			11.0	41.5
		435' W		
120' S of ℄			12.0	40.5
102' " " "			22.2	30.3
80' " " "			30.0	22.5
63' " " "			38.0	14.5 wash
30' " " "			31.3	21.2
25' " " "			28.2	24.3
℄			21.8	30.7
10' N. of ℄			17.4	35.1
25' " " "			10.4	42.1
50' " " "			12.0	254.5
		445' W		
55' N of ℄			0.0	52.5
40' " " "			8.1	44.4
25' " " "			13.5	39.0
℄			24.1	28.4
25' S. of ℄			30.5	22.0
T.P.	2.42	241.99	12.91	239.57
55' S. of ℄			27.5	14.5 wash

241.99

460'W. on ℄

120'S. of ℄	2.9	39.1	
95' " " "	14.4	27.6	
70' " " "	24.5	175	
53' " " "	27.6	14.4	Wash
25' " " "	22.7	19.3	
10 " " "	19.4	22.6	
℄	15.8	26.2	
25'N. of ℄	7.3	34.7	
40' " " "	1.2	41.8	
60'N of ℄	+4.3	248.3	

480'W. on ℄

70'N. of ℄	0.0	42.0	
45' " " "	6.0	36.0	
38' " " "	8.3	33.7	
25' " " "	12.2	29.8	
℄	19.5	22.5	
25'S. of ℄	25.8	16.2	
50' " " "	27.6	14.4	Wash
60' " " "	26.0	16.0	
89' " " "	15.0	27.0	
110' " " "	5.8	36.2	

500'W. on ℄

103' " " "	7.5	34.4	
75' " " "	18.0	24.0	
45' " " "	28.6	13.4	Wash
25' " " "	27.7	14.3	
10' " " "	25.8	16.2	

241.99

℄	23.4	218.6	
25'N. of ℄	17.6	24.4	
50' " " "	10.2	31.8	
75' " " "	0.9	41.1	

525'W. on ℄

75'N. of ℄	+2.2	244.2	
69' " " "	0.4	41.6	
68' " " "	3.1	38.9	
46' " " "	5.2	36.8	
25' " " "	15.3	26.7	
15' " " "	20.0	22.0	
℄	25.7	16.3	
10'S. of ℄	27.7	14.3	
25' " " "	28.3	13.7	
32' " " "	29.5	12.5	Wash
40 " " "	24.5	17.5	
75' " " "	19.4	22.6	
105' " " "	8.4	33.6	

550.W. on ℄

100'S. of ℄	12.4	29.6	
65' " " "	24.8	17.2	
30' " " "	30.0	12.0	
27' " " "	32.5	09.5	Wash
25' " " "	30.0	12.0	
10' " " "	28.5	13.5	
℄	25.2	16.8	

241.99

550' W. of ℄ con

25' N. of ℄	16.2	25.8	
35' " " "	13.2	28.8	
40' " " "	10.2	31.8	
50' " " "	7.8	34.2	
60' " " "	3.6	38.4	
80' " " "	1.7	40.3	
575' W. on ℄			
95' N. of ℄	2.7	39.3	
73 " " "	3.9	38.1	
65' " " "	8.2	33.8	
53 " " "	10.5	31.5	
50' " " "	13.0	28.0	
35' " " "	16.0	26.0	
25' " " "	19.6	22.4	
℄	25.8	16.2	
22' S. of ℄	30.8	11.2	
26' " " "	33.0	08.0	Wash
30' " " "	31.0	11.0	
50' " " "	28.3	13.7	
85' " " "	20.4	21.6	
400' W on ℄			
90' S. of ℄	16.5	25.5	
55' " " "	28.7	13.3	
27' " " "	32.3	09.7	
25' " " "	34.4	07.8	Wash
22' " " "	32.3	09.7	

241.99

95' S. of ℄	28.3	13.7	
℄	28.2	13.8	
4' N. of ℄	28.2	13.8	
12' " " "	24.7	17.3	
25' " " "	22.6	19.4	
35' " " "	20.6	21.4	
66' " " "	13.7	28.3	
69' " " "	10.8	31.2	
78' " " "	10.7	31.3	
T.P. 5.02	234.12	12.89	228.10
625' W on ℄			
78' N of ℄	7.5	26.6	
68' " " "	8.6	25.5	
62' " " "	13.0	21.1	
42' " " "	16.0	18.1	
25' " " "	17.6	16.5	
18' " " "	20.2	13.9	
5' " " "	20.5	13.6	
℄	22.6	12.5	
3' S. of ℄	24.0	10.1	
20' S of ℄	26.0	08.1	
23' " " "	28.0	06.1	Wash
25' " " "	26.0	08.1	
55' " " "	21.6	12.5	
85' " " "	8.3	25.8	

234.12

650' W. of ℄

85' S. of ℄	8.0	26.1	
55' " " "	22.0	12.1	
25' " " "	24.0	08.1	
21' " " "	27.3	06.8	Wash
4' " " "	26.0	08.1	
℄	25.3	08.8	
25' N. of ℄	20.5	13.6	
50' " " "	17.6	16.5	
65' " " "	15.3	18.8	
80' " " "	8.1	26.0	
675' W. of ℄			
80' N. of ℄	7.4	26.7	
60' " " "	10.6	23.5	
50' " " "	17.5	16.6	
25' " " "	22.4	11.7	
℄	25.4	08.3	
18' S. of ℄	27.8	06.3	Wash
25' " " "	26.7	07.4	
40' " " "	24.4	09.7	
55' " " "	21.0	13.1	
75' " " "	12.5	21.6	
700' W. of ℄			
75' S. of ℄	9.2	24.9	
53' " " "	19.5	14.6	
25' " " "	27.0	07.1	
15' " " "	28.0	06.1	Wash

234.12

℄	27.2	06.9	
25' N. of ℄	24.8	09.3	
48' " " "	16.5	17.6	
55' " " "	11.3	22.8	
70' " " "	7.8	26.3	
80' " " "	3.6	30.5	
725' W. of ℄			
80' N of ℄	2.0	32.1	
75' " " "	2.8	31.3	
50' " " "	15.1	19.0	
25' " " "	24.7	09.4	
℄	28.6	05.5	
10' S. of ℄	29.0	05.1	Wash
25' " " "	26.3	07.8	
40' " " "	23.6	10.5	
65' " " "	13.0	21.1	
75' " " "	9.5	24.6	
750' W. of ℄			
75' S. of ℄	12.8	21.3	
50' " " "	22.0	12.1	
25' " " "	28.4	05.7	
5' " " "	30.0	04.1	
℄	29.6	04.5	
10' N. of ℄	25.6	08.5	
25' " " "	23.4	10.7	
50' " " "	15.1	19.0	

234.12

750 W. on ℄

55' N. of ℄		11.5	22.6
66' " " "		9.0	25.1
70' " " "		4.8	29.3
80' " " "		0.5	33.6
T.P.	0.25	0.59	233.53

775' W. on ℄

75' N. of ℄		0.4	33.4
60' " " "		8.6	25.2
52' " " "		12.5	21.3
49' " " "		12.0	17.8
40' " " "		17.2	16.6
35' " " "		19.0	13.8
25' " " "		21.6	12.2
5' " " "		26.0	07.8
℄		28.7	05.1
13' S. of ℄		30.5	03.3 Wash
25' " " "		30.2	03.6
35' " " "		30.2	03.6
65' " " "		17.5	16.3
80' " " "		10.3	23.5

785' W. on ℄

80' S. of ℄		8.0	25.8
73' " " "		10.3	23.5
55' " " "		20.3	13.5
45' " " "		28.6	05.2
25'		30.8	03.0 Wash

233.78

7' S. of ℄		30.0	03.8
℄		27.7	06.1
15' N. of ℄		24.2	09.6
25' " " "		21.7	12.1
30' " " "		18.2	15.6
47' " " "		17.1	16.7
50' " " "		12.7	21.1
75' " " "		0.0	33.8

790' W. on ℄

75' N. of ℄		0.2	33.6
50' N. of ℄		12.1	21.7
49' " " "		17.1	16.7
25' " " "		18.4	15.4
22' " " "		22.5	11.3
15' " " "		24.2	09.6
℄		27.7	06.1
7' S. of ℄		30.0	03.8
25' " " "		30.6	03.2
30' " " "		31.8	02.0 Wash
45' " " "		28.6	04.2
55' " " "		20.5	13.3
73' " " "		10.4	23.4
80' " " "		8.0	25.8

233.78

800' W. of ℄

80' S. of ℄	8.6	25.2
76' " " "	9.6	24.2
65' " " "	16.5	16.3
58' " " "	20.1	13.7
36' " " "	32.2	01.6 Wash
25' " " "	30.7	03.1
5' " " "	29.3	04.5
℄	27.8	06.0
25' N. of ℄	22.7	11.1
29' " " "	17.8	16.0
54' " " "	17.0	16.8
56' " " "	10.7	23.1
82' " " "	0.2	33.6

825' W. of ℄

90' N. of ℄	2.0	31.8
69' " " "	10.1	23.7
66' " " "	16.8	17.0
50' " " "	17.3	16.5 under House
40' " " "	22.0	11.8 " "
25' " " "	25.0	08.8
18' " " "	27.0	06.8
℄	30.0	03.8
25' S. of ℄	32.4	01.4
35' " " "	33.7	00.1 Wash
40' " " "	31.7	02.1
46' " " "	31.0	02.8

233.78

80' S. of ℄	12.5	21.3

854' W. of ℄

75' S. of ℄	10.3	23.5
63' S. " "	13.5	20.3
40' " " "	31.2	201.6
32' " " "	34.2	199.6 Wash
25' " " "	33.5	200.8
6' " " "	33.6	00.2
℄	33.0	00.8
25' N. of ℄	29.4	04.4
37' " " "	27.0	6.8
40' " " "	23.6	10.2
60' " " "	22.5	11.3
66' " " "	17.0	16.8
73' " " "	16.3	17.5
100' " " "	4.4	29.4

875' W. of ℄

100' N. of ℄	5.9	27.9
80' " " "	14.7	19.1
60' " " "	22.3	11.5
50' " " "	27.2	06.6
25' " " "	33.5	00.3
℄	34.8	199.0
13.5' S. of ℄	35.0	98.8 Wash
25' " " "	32.4	014
45' " " "	20.9	12.9
70' " " "	11.2	22.6

900'W. on ℄

70'S. of ℄	13.7	20.1
55' " "	17.4	16.4
25' " "	31.7	02.1
℄	34.3	99.5
25'N. of ℄	34.5	99.3
32' " "	36.5	97.3 Wash
42' " "	34.1	99.7
65' " "	22.5	11.3
74' " "	19.5	14.3
85' " "	14.7	19.1
100' " "	9.8	24.0

925'W. on ℄

100'N. of ℄	9.4	24.4
55' " "	25.5	08.3
33' " "	36.6	96.2
25' " "	37.0	95.8 Wash
13' " "	37.0	95.8
℄	34.8	99.0
25'S. of ℄	32.3	01.5
45' " "	24.5	09.3
75' " "	13.6	20.2

950'W. on ℄

75'S. of ℄	16.6	17.2
55' " "	25.2	08.6
30' " "	32.0	01.8
25' " "	32.5	01.3

2 33.78

T.P. 0.38	221.54	12.6.7	221.16
7'S. of ℄		23.0	98.5
℄		25.7	95.8 Wash
20'N. of ℄		25.3	96.2
25' " "		23.4	98.1
37' " "		19.9	01.6
60' " "		13.4	08.1
80' " "		7.9	13.6
100' " "		0.0	21.5

970'W. on ℄

℄	26.0	95.5 Wash
15 S. of ℄	22.3	99.2
25 " "	21.0	00.5
50 " "	15.6	05.9

982.2'W on ℄ = Δ 31°18' R = ℄ Bush St 50' wid. 16'clr 30' Rdw.

This section on split of ℄

50'S. of ℄ Δ	15.8	05.7
25' " " "	21.8	99.7
7' " " "	25.2	96.3
℄ at Δ	26.3	195.2 Wash
15'N. of ℄ Δ	25.8	95.7
25' " " "	23.7	97.8
50 " " "	18.0	02.5
75' " " "	12.0	09.5
105' " " "	1.5	20.0

221.54

1000' W. on ℄

From ⊙N. X Sec of Bush St 50' Wide 10' ofs 30' Roadway

N-25	17.6	03.9	
N.	22.8	98.7	
el	24.6	96.9	
℄	24.8	94.7	
+12	27.8	93.7	
el	29.0	92.5	Wash
+5	25.7	95.8	
S	24.8	96.7	
+10	21.8	99.7	
	1020' W. on ℄		
-10	24.2	96.3	
S	30.8	90.7	Wash
+4	28.4	93.1	
el	28.2	93.3	
e	26.7	94.8	
el	24.2	97.3	
N	22.5	99.0	
	1030' W. on ℄		
N.-7.5	1.7	19.8	
" -50	8.9	12.6	
" -25	17.0	04.5	
N	22.1	99.4	
el	24.0	97.5	
℄	26.3	95.2	
el	28.3	93.2	

221.54

S	28.0	93.5	
+6	31.0	90.5	Wash.
+15	23.8	97.7	
	1050' W. on ℄		
-15	28.1	93.4	
-6	31.0	90.5	Wash
S	29.2	92.3	
el	29.0	92.5	
e	26.3	95.2	
el	24.1	97.4	
N	21.0	00.5	
+20	16.6	04.9	
+45	9.2	12.3	
+60	4.0	17.5	
	1075 N. on ℄		
-60	5.8	15.7	
-30	13.2	08.3	
N	21.6	99.9	
el	24.0	97.5	
℄	26.7	94.8	
T.P	1.92	210.49	12.97 208.57
el	18.2	92.9	
S	19.3	91.2	
+6	21.3	89.2	Wash
+15	18.3	92.2	

210.49

1100' W. on ℄

-20	19.5	91.0
-10	20.1	90.4
-6	22.6	87.9 Wash.
S	20.0	90.5
cb	19.0	91.5
℄	16.3	94.2
cb	13.1	97.4
N	10.0	00.5
+15	5.4	05.1
+40	0.8	09.7

1120' W

-40	5.1	05.4
-20	6.7	03.8
N	12.0	98.5
cb	14.5	96.0
℄	17.3	93.2
cb	20.0	90.5
S	21.0	89.5
+5	22.7	87.8 Wash
+10	21.0	89.5
+25	20.6	89.9

1143' W. on ℄

-25	22.0	88.5
-8	22.4	88.1
-3	23.0	87.5 Wash
S	22.0	88.5

210.49

cb	20.6	89.9
℄	19.0	91.5
cb	17.3	92.2
N	16.5	94.0
+20	12.3	98.2
+40	10.4	200.1

1150' W. on ℄

-40	13.0	975
-20	15.0	955
N	16.7	938
cb	18.7	918
℄	21.3	89.2 N+S. wash
cb	22.3	88.2 N+S. Wash
S	23.0	87.5 " " "
+3	23.0	87.5 P.E. + E&W. Wash
+25	22.0	88.5

1157' W. on ℄

-25	22.4	88.1
-15	23.3	87.2 N+S. Wash
S	20.4	90.1
cb	19.0	91.5
℄	18.5	920
+10	20.2	90.3
cb	20.0	90.5 N+S. wash
N	18.4	92.1
+12	15.7	94.8
+30	14.1	96.4

210.49

1170' W. on ℄

-30			15.7	94.8 N+S Wash
-5			14.2	94.3 " " "
N			18.7	91.8 " " "
cl			16.0	94.5
℄			17.0	93.5
cl			18.1	92.4
S			18.8	91.7
+25			21.2	89.7

1180' W. on ℄

-25			21.1	89.4
S			18.0	92.5
cl			16.8	93.7
℄			15.4	94.1
cl			14.2	96.3
N			14.7	95.8
+5			15.5	95.0
+30			15.6	94.9
T.P.	10.73	215.32	5.90	204.59

1200' W. on ℄

-30			10.7	04.6
-15			11.0	04.3
N			12.5	03.8
cl			13.7	01.6
℄			16.4	98.9
cl			19.2	96.1
S			21.3	94.0

215.32

+15		24.5	90.8
+30		24.0	89.3 wash

1215' W. on ℄

-30		25.0	90.3 wash
-15		24.5	90.8
5		21.8	93.5
cl		18.8	96.5
℄		14.7	01.6
cl		11.2	04.1
N		9.2	06.1
+15		7.2	08.1
+30		7.2	08.1

1240 W. on ℄

-30		3.3	12.0
N		8.5	06.8
cl		10.9	04.4
℄		15.5	99.8
cl		19.6	95.7
S		22.0	92.3
+5		22.8	92.5 wash
+20		22.2	93.1
+30		19.2	96.1

1280' W. on ℄

-20		14.2	01.1
-3		19.5	95.8
S		19.4	95.9 wash

215.32

1280W. (cont)

S.el	19.4	95.9
℄	18.0	97.3
el	13.3	02.0
N	10.8	04.5
+25	4.9	10.4
+30	3.0	12.3
	1300'W. on ℄	
-30	3.8	11.5
N	11.5	03.8
el	15.0	00.3
+6	17.5	97.8
℄	17.5	97.8
el	17.5	97.8 Wash
S	17.4	97.9
+20	9.4	05.9
	1320'W. on ℄	
-10	8.0	07.3
S	12.6	02.7
+5	15.5	99.8
el	16.6	98.7
+5	17.2	98.1 Wash
℄	17.1	98.2
el	17.0	98.3
N.	13.5	01.8
+10	8.0	07.3
+20	7.0	08.3

215.32

+21	4.4	10.9
+30	4.1	11.2
	1350'W. on ℄	
-30	+1.0	216.3
-28	3.3	12.0
-20	3.5	11.8
-14	7.0	08.3
-4	7.7	07.6
N	10.5	04.8
+5	13.8	01.5
el	14.5	00.8
℄	15.1	00.2 Wash
el	14.2	01.1
S	9.6	05.7
+20	1.0	14.3
	1375'W. on ℄	
-10	4.2	11.1
S	8.4	06.9
el	12.0	03.3
+3	13.5	01.8
℄	14.4	00.9 Wash
el	14.1	01.2
+6	13.3	02.0
N	10.2	05.1
+5	7.1	08.2
+15	7.0	08.3

215.32

1375 W (con)

N+20		3.1	12.2
+24		2.7	12.6
+30		+0.4	215.7
	1400' W. on ℄		
-30		2.3	13.0
-25		2.3	13.0
-18		6.5	08.8
-7		7.0	08.3
N.		11.0	04.3
+2		13.4	01.9
cb		13.4	01.9
+8		13.6	01.7 Wash
℄		13.1	02.2
+5		12.9	02.4
T.P.	12.45	220.67	7.10 208.22
cb		13.4	07.3
S		10.8	09.9
+10		7.3	13.4
	1409 W. on ℄		
-10		6.0	14.7
S. Line = N. End 12" Cor. Pipe from South		11.0	09.7 Flowline
S. Line on ground		14.4	06.3
cb		14.4	06.3
+11		17.7	03.0
℄		18.0	02.8
+9		18.5	02.3 Wash

220.67

cb	18.5	01.3
N.	18.0	02.7
+12	11.7	09.0
+22	11.2	09.6
+25	7.4	13.4
+30	7.3	13.4
1420' W. on ℄		
-30	7.0	13.7
-26	7.6	13.1
-25	10.3	10.4
-15	11.5	09.2
-5	17.7	03.0
N	18.0	02.7
cb	17.7	03.0
+5	18.2	01.5 Wash
+13	17.7	03.0
℄	16.8	03.9
cb	10.0	10.7
S	6.5	14.2
+10	2.3	18.4
1450' W. on ℄		
S-10	+1.8	222.5
S	1.1	19.6
cb	3.5	17.2
℄	10.4	10.3
cb	16.6	04.1

220.67

1450' W. (corn)

N. Line	16.6	04.1 Wash
+10	16.3	04.4
+23	10.4	10.3
+28	10.0	10.7
+30	9.4	11.3

1475' W on ℄

-30	9.5	11.2
-25	9.7	11.0
-13	11.5	09.2
-6	15.0	05.7
N	15.7	05.0 Wash
℄	14.8	05.9
℄	8.8	11.7
℄	3.0	17.7
S	+1.5	222.2
+10	+4.0	224.7

1495' W. on ℄ approx E. End of Bush St

-10	+5.7	226.4
S	0.0	20.7
℄	2.6	18.1
℄	7.2	13.5
+11	12.3	08.4
℄	12.4	08.3 Wash
N	14.0	06.7
+8	12.7	08.0
+30	4.1	14.6

220.67

1515' W. on ℄

-30	4.0		16.7
-20	6.0		14.7
-6	12.0		08.7
N	12.0		08.7
℄	12.0		08.7 Wash
+9	10.0		10.7
+12	6.6		14.1
℄	6.0		14.7
℄	0.0		20.7
+3	+2.0	222.7	
S	+2.0	222.7	
+3	+6.5	227.2	
+10	+8.0	228.7	

1540' W on ℄

-10	+9.5	230.2	
-3	+8.0	228.7	
S	+4.0	224.7	
+4	+3.8	224.5	
℄	0.0		20.7
℄	6.4		14.3
+11	9.3		11.4 Wash
℄	9.2		11.5
N	9.2		11.5
+20	7.1		13.6
+30	4.5		16.2
+40	2.1		18.6

220.67

1555' W. on ℄

-40			4.7	16.0
-30			5.3	15.4
N			7.5	13.2
el			8.2	12.5 Wash
+7			7.2	13.5
℄			4.7	16.0
+3			4.5	16.2
+6			1.7	19.0
T.P.	11.33	232.00	0.00	220.67
el			7.7	24.3
S			5.5	26.5
+3			1.9	30.1
+10			0.0	32.0

1570' W. on ℄

-10			+1.0	233.0
-3			0.2	31.8
S.			4.0	28.0
el			7.5	24.5
℄			15.5	16.5
el			16.4	15.6
+2			15.0	17.0
N			13.6	18.4
+10			14.2	17.8
+18			15.7	16.3
+30			16.4	15.6
+40			14.8	17.2

232.00

1585' W. on ℄

-40			11.9	20.1
-30			13.3	18.7
-20			15.0	17.0
N.			8.8	23.2
el			8.0	24.0
+6			10.6	21.4
℄			11.0	21.0
el			6.5	25.5
S			3.4	28.6
T.P.	4.87	235.93	0.94	231.06 B.M. Hub & Bush Station 16+07 80
+3			4.0	31.9
+10			2.2	33.7

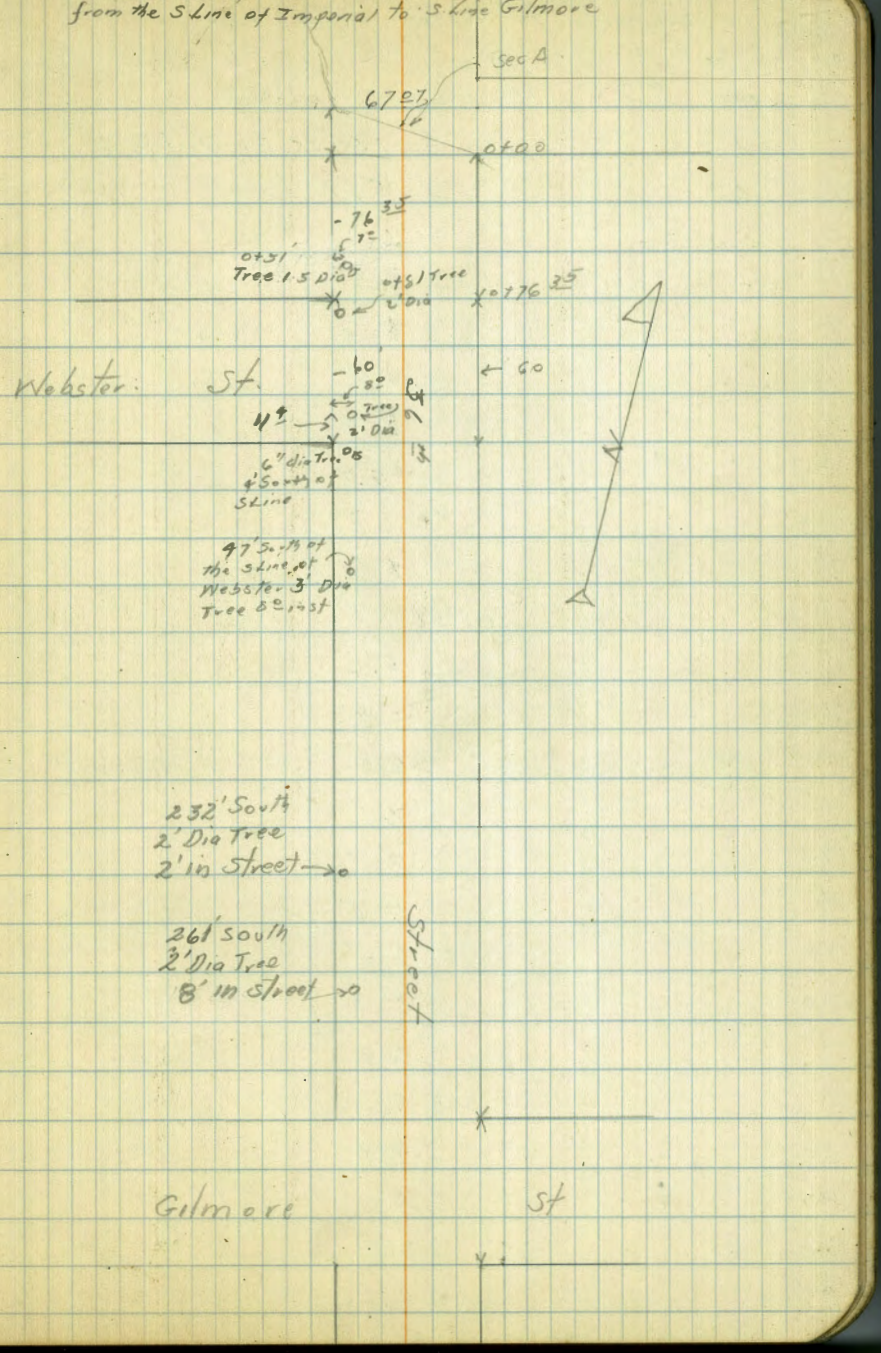
1600' W. on ℄

-10			1.8	34.1
-3			3.2	32.7
S			6.0	29.9
el			5.8	30.1
℄			6.2	29.7
+5			6.3	29.6
+9			9.5	26.4
el			7.0	28.9
N			6.3	27.6
+15			12.7	23.2
+18			16.2	19.7
+30			16.4	19.5

232.00
1609.' W. on ℄

N		5.4	26.6
d		5.5	26.5
℄		4.8	27.2 E. End
S. db		5.41	26.59 cmt. curb
5		4.7	27.3
+3		3.0	29.0
+10		2.5	29.5

Sketch of 36th St
from the S. Line of Imperial to S. Line Gilmore



Bliss
Isbell
Holbeck
4/4/28
3 Miles S.E. To Pt
3 Miles 7.36
To Imperial

X Sections 36th St From the S. Line of Imperial to N. Line of Gilmore.

	+	π	-	Elev
	4.86	100.30		95.44

Sec A See Sketch Next Page 67 07

E	5.9	94.4
cb	6.6	93.7
1/4	7.5	92.8
℄	8.3	92.0
1/4	8.9	91.4
cb	9.4	90.9
+3	9.1	91.2
+6	6.8	93.5
W	6.8	93.5
	0+00	
W	5.2	
+8	5.9	
+9	6.8	
cb	7.1	
1/4	7.7	
℄	7.5	
1/4	6.7	
cb	6.3	
E	5.9	
	25 South	
E	4.9	
cb	5.1	
1/4	5.9	
℄	6.1	

1/4	6.0
+8	5.7
cb	5.0
W	4.5
	46'S
N	3.8
cb	4.1
1/4	4.9
℄	5.2
1/4	4.9
+3	4.4
cb	4.1
+5	3.6
E	3.8
	76.35 N Line Webster
E	3.9
+2	4.2
cb	4.2
1/4	4.2
℄	4.3
1/4	4.2
+6	3.6
cb	3.2
W	3.0
	N cb
W	2.6

π 100.30

		↑ 100.30		
cb			3.4	
+2			3.9	
1/4			3.9	
E			4.0	
1/4			4.2	
cb			4.2	
+8			4.1	
E			3.8	
T.P.	5.42	101.89	3.83	96.47
		N 1/4		
E			5.5	
cb			5.7	
1/4			5.6	
E			5.4	
1/4			5.0	
+5			4.9	
cb			5.0	
W			4.5	
		E		
W			4.2	
cb			4.3	
1/4			4.9	
E			5.3	
1/4			5.5	
cb			5.9	
E			5.6	

	↑ 101.89	
	S 1/4	
E		6.0
cb		5.7
1/4		5.3
E		5.2
1/4		5.0
cb		4.7
W		4.2
	S. cb	
W		4.2
cb		4.4
+4		4.5
1/4		5.1
E		5.4
1/4		5.3
+5		5.4
cb		5.3
E		5.7
	S. Lino Webster	
E		5.9
cb		5.5
1/4		5.2
E		5.2
1/4		5.3
cb		4.8
W		4.6

101.89

14' S. Shino of Webster

W	4.7
cb	4.6
+5	5.0
1/4	5.2
℄	5.3
1/4	5.1
cb	5.4
+3	5.5
+5	6.1
E	6.1
	39's
E	6.2
+5	5.9
+8	5.2
cb	5.3
1/4	5.1
℄	5.4
1/4	5.3
+7	5.3
cb	5.0
W	5.1
	65's
W	4.8
cb	5.0
1/4	5.3

101.89

28

℄		5.4	
1/4		5.0	
+3		5.0	
cb		5.3	
+5		6.0	
E		6.5	
T.P.	6.23	102.04	6.08 95.81
		89's	
E		6.4	
cb		5.3	
1/4		4.8	
℄		4.9	
1/4		4.7	
cb		4.2	
W		4.0	
		114's	
W		4.6	
cb		4.5	
1/4		4.6	
℄		4.7	
1/4		4.8	
+6		5.5	
cb		5.2	
+5		5.8	
E		6.2	

102.09

139's

E		6.4	
cb		5.4	
+2		5.2	
+3		5.6	
1/4		4.9	
℄		4.6	
1/4		4.4	
cb		3.9	
W		3.8	

164's

W		4.1	
cb		4.0	
1/4		4.2	
℄		4.5	
1/4		4.8	
+7		5.5	
+8		5.0	
cb		5.0	
E		5.5	

189's Residence

15' Back	Step	5.29	96.75
E		6.4	
cb		5.9	
+6		5.5	
1/4		4.9	
℄		4.6	

102.09

1/4	4.5
cb	4.6
W	4.8

214's

W	5.2
cb	5.1
1/4	5.1
℄	5.1
+8	5.3
1/4	5.5
+5	6.0
cb	6.1
E	6.3

239.5

E	6.8
+5	6.9
cb	6.6
+3	6.5
1/4	5.6
℄	5.1
1/4	5.1
cb	5.2
W	5.0

260' South Driveway on West

12' Back etc 12.50

102.04

264'S Walk on West

12' Back	9.20
W	9.1
cb	9.5
1/4	5.0
E	5.2
+6	5.4
1/4	5.7
cb	6.5
E	6.8
	289'S
E	6.2
cb	5.9
1/4	5.3
E	4.6
+5	4.0
1/4	4.0
+5	3.5
cb	3.6
W	3.1
	3.0 / South
W	2.8
+1	2.6
cb	3.0
1/4	3.3
+5	3.5
E	4.3

102.04

1/4	5.0
+5	5.2
+7	5.0
cb	5.1
E	6.2
	314'S
E	5.2
cb	4.6
+2	4.4
+3	4.8
1/4	4.5
E	3.9
1/4	3.3
cb	2.5
+3	2.4
W	2.7
	339'S
W	3.6
cb	3.2
1/4	3.1
+8	3.4
E	3.6
1/4	4.1
+2	4.6
E	6.0
	364'S

102.04

364 S.

E	5.9
cb	5.3
¼	5.2
¼	4.8
¼	4.6
℄	4.5
¼	4.1
cb	4.1
W	4.5

389 S

W	6.0
¼	5.5
cb	5.4
¼	5.3
℄	5.5
¼	5.8
cb	6.2
E	6.6

414 S

E	6.9
cb	6.7
¼	6.3
℄	6.1
¼	5.8
cb	6.4
W	6.7

102.04

939 S. N Line Gilmore

W	8.4
cb	7.8
¼	7.2
℄	7.1
¼	7.1
cb	7.3
E	7.3

N cb

E	8.2
cb	7.9
¼	7.4
℄	7.5
¼	8.0
℄	8.9
cb	8.7
W	9.1

N ¼

W	9.5
cb	8.9
¼	8.3
℄	7.7
¼	7.7
cb	7.9
E	8.2

T
102.04

	℄	
E		8.0
cb		7.8
1/4		7.8
℄		7.8
1/4		8.3
ob		8.9
W		9.5
	s 1/4	
W		9.4
cb		8.9
1/4		8.6
℄		7.9
1/4		7.7
cb		7.9
E		8.3
	s cb	
E		8.2
ob		7.9
+5		7.5
1/4		7.9
℄		7.9
1/4		8.4
cb		9.0
W		9.8
	s cb +8	
W		9.9

T
102.04

cb		9.2
1/4		8.7
+6		7.9
℄		7.9
+5		7.9
1/4		7.3
+5		7.1
+7		7.5
cb		7.3
		7.6
	S. Line Elmore	
E		5.4
+9		5.7
cb		6.3
+2		7.1
1/4		7.2
℄		7.7
+9		7.7
1/4		8.7
cb		9.2
W		10.4
check on starting B.M.		6.59

9.5 9.5
9.5 9.4
.01 -

Bliss
Isbell
Holbeck

X Sections of Imperial Ave from the E Line of 36th to the E Line of 40th

			Elev	
9/0 W 9 BM S E Top Hyd.				40 is + 100 bz 5.93
36th & Imperial	6.65	102.09	95.44	From Here

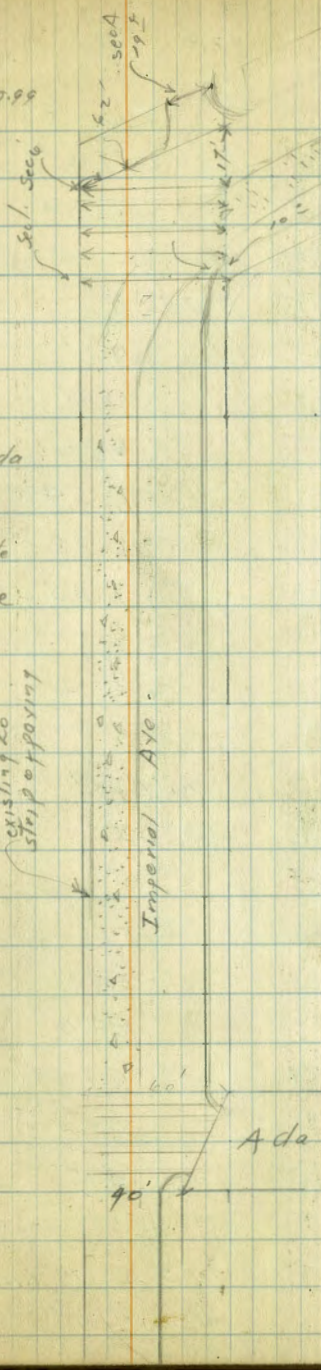
0+00 E Line of 36th To W Line 0+37.5 With exception of Sts Noted on walk

S		7.5	94.6
cb		8 6	93.5
1/4		9.1	93.0
+9 ± edge of paving		9.35	92.94
℄		9.35	92.74
1/4		9.53	92.56
cb		9.70	92.39
N		10 32	91.77
N+3 ± N edge Paving		10.59	91.50
	25' N		
N		8.9	93.2
+0.6 N edge of paving		8.82	93.27
cb		8.99	93.6
1/4		8.34	93.75
℄		8.28	93.81
1/4		8 27	93.82
+4.6 S edge paving		8.25	93.84
cb		8.0	94.11
S		6.9	95.2
	50' E		
S		6 4	95.7
cb		7 0	95.1
1/4 S edge		7.09	95.0
℄		7.10	95.0

Imp's 39
SE 11909

40th S.M. Top Hyd. 120.99

Sketch of Block from W Line of Ada to E Line of 40th For a more complete Sketch of 40th See Book 1224 Back of Book



	102.09		
¼		7.21	94.88
cb		7.35	94.74
+5		7.54	94.55
℄		7.5	94.6
	75' E		
N		6.1	96.0
+1		6.5	95.6
+5 N edge paving		6.70	95.4
cb		6.59	95.55
¼		6.38	95.71
℄		6.35	95.74
¼ o edge paving		6.38	95.71
cb		6.2	95.9
S		5.7	96.4
	100' East		
S		51	97.0
cb		56	96.5
¼ S edge paving		5.66	96.43
℄		5.61	96.48
¼		5.64	96.45
cb		5.70	96.39
+5		5.83	96.26
+9		55	96.6
N		5.1	97.0
	125' E N Line of Alley		
N		4.5	97.6

	102.09		
+1		48	97.3
+5 N edge		5.17	96.92
cb		5.05	97.04
¼		5.03	97.06
℄		5.05	97.04
¼		5.15	96.94
cb		5.2	96.9
S		4.7	97.4
	140' E		
S		4.2	97.9
+2		97	97.4
cb		5.0	97.1
¼		5.01	97.08
℄		9.92	97.17
¼		9.90	97.19
cb		9.93	97.16
+5 N edge		9.99	97.10
+8		9.7	97.4
N		4.3	97.8
	145' E		
N		4.2	97.9
+2		9.7	97.4
+5 N edge		4.95	97.14
cb		4.87	97.22
¼		4.83	97.26
℄		9.90	97.19

T
102.09

1/4		4.97	97.12
cb		5.0	97.09
+6		9.9	97.2
S		2.5	99.6
	175' East		
S		1.3	100.8
+4		4.3	97.8
cb		4.7	97.4
1/4	S edge	4.70	97.39
℄		4.67	97.42
1/4		4.64	97.45
cb		4.75	97.34
+5	N edge	4.85	97.24
+8		4.4	97.7
N		4.0	98.1
	200 E		
N		4.0	98.1
+2		4.3	97.8
+5	N edge	4.71	97.38
cb		4.62	97.47
1/4		4.57	97.52
℄		4.63	97.46
1/4		4.66	97.43
cb		4.4	97.7
+℄		3.8	98.3
S		0.6	101.5

T
102.09

	235 E	
S	2.0	100.1
+4	4.0	98.1
cb	4.3	97.8
1/4 S	4.61	97.48
℄	4.55	97.54
1/4	4.52	97.57
cb	4.59	97.50
+5 N edge	4.68	97.41
+4	4.3	97.8
N	3.9	98.21
	270 E. W Line	# Note Intersection paved South Look Axe
N	4.0	98.1
+5	4.62	97.47
cb	4.53	97.56
1/4	4.46	97.63
℄	4.50	97.59
1/4	4.56	97.53
Gutter	4.81	97.28
Topcb	4.40	97.69
S	4.4	97.7
	℄ South look	
cb	4.34	97.75
1/4	4.32	97.77
℄	4.22	97.87
1/4	4.18	97.91
cb	4.24	97.85

T
102.09

+5 N edge		9.3	97.77
N		9.0	98.1
	E Line Southlook		
N		3.9	98.2
+5		9.12	97.97
cb		9.06	98.03
1/4		9.03	98.06
℄		9.06	98.03
1/4		9.13	97.96
Gutter		9.42	97.67
Top cb		3.93	98.16
S.		3.9	98.2
	50 E of the E Line of Southlook		
S		3.5	98.6
+2		3.5	98.6
+3		9.4	97.7
cb		9.1	98.0
1/4		3.90	98.19
℄		3.81	98.28
1/4		3.80	98.29
cb		3.83	98.26
+5		3.95	98.14
N		4.0	97.9
	100 E		
N		4.3	97.8
+2		3.9	98.2

T
102.09

+5		3.72	98.37
cb		3.60	98.49
1/4		3.56	98.53
℄		3.61	98.48
1/4		3.70	98.39
+9		3.8	98.3
cb		4.0	98.1
+6		4.4	97.7
+8		3.5	98.6
S		3.5	98.6
T.P 5.71	109.10	3.70	98.39
	125 E W Line of Alley		
S.		4.9	99.2
+2		5.8	98.3
cb		6.0	98.1
1/4		5.70	98.40
℄		5.57	98.53
1/4		5.54	98.56
cb		5.59	98.51
+5 N edge		5.66	98.44
+8		5.8	98.3
N		6.1	98.0
	195 E E Line Alley		
N		6.0	98.1
+5 N edge.		5.63	98.47
cb		5.51	98.59

	104.10		
1/4		5.97	98.63
℄		5.50	98.6
1/4	S. edge	5.68	98.42
cb		5.9	98.2
+6		6.3	97.8
+8		5.5	98.6
S.		4.7	99.4
	190' E		
S		5.2	98.9
+2		5.4	98.7
+3		6.0	98.1
cb		5.7	98.4
1/4	S. edge	5.94	98.66
℄		5.38	98.72
1/4		5.34	98.76
cb		5.39	98.76
+5	N. edge	5.50	98.50
N		5.1	98.4
	230' E		
N		5.3	98.8
+5	N edge	5.31	98.79
cb		5.20	98.9
1/4		5.15	98.95
℄		5.21	98.89
1/4		5.33	98.77
cb		5.3	98.8

	104.10		
+5		5.6	98.5
S		3.8	100.3
	26 ft S E W Line 37 ft	40 st 12 cbs 9 1/4s	
S		4.6	99.5
Top cb		4.60	99.5
Gutter		4.8	99.3
1/4	S. edge existing paving	5.18	98.92
℄		5.07	99.03
1/4		5.02	99.08
cb		5.05	99.05
+5	N edge	5.16	98.94
N		5.2	98.9
	N cb		
N		5.1	99.0
+5		5.14	98.96
cb		5.00	99.1
1/4		4.98	99.12
℄		5.09	99.01
1/4		5.14	98.96
cb		5.3	98.8
S.	on Ground	5.7	98.4
S.	on Top cb	4.89	99.21
		W 1/4	
S		5.6	98.5
cb		5.2	98.9
1/4	S. edge paving	5.10	99.0

104.10

℄		5.04	99.06
1/4		4.99	99.11
cb		5.05	99.05
+5		5.17	98.93
N		5.1	99.0
	℄		
N		5.1	99.0
+5	N edge	5.18	98.92
cb		5.02	99.08
1/4		5.00	99.1
℄		5.02	99.08
1/4		5.10	99.0
cb		5.0	99.1
S		5.3	98.8
	E 1/4		
S.		5.4	98.7
cb		4.9	98.2
1/4		5.09	99.02
℄		5.03	99.07
1/4		5.00	99.1
cb		5.05	99.05
+5	N edge	5.17	98.93
N		5.0	99.1
	E cb		
N		5.2	98.9
+5		5.18	98.92

104.10

cb		5.05	99.05
1/4		4.99	99.11
℄		5.00	99.1
1/4	S edge existing paving	5.07	99.03
cb		5.1	99.0
S	on ground	5.8	98.3
S	on Top cb	5.14	98.96
	E Line of 37		# Note from hole on East cb area
Top cb		4.82	99.28
Gutter		5.2	98.9
1/4		5.10	99.0
℄		5.07	99.03
1/4		5.03	99.07
cb		5.09	99.01
+5	N edge existing paving	5.18	98.92
N		5.2	98.9
	50' E		
N		5.3	98.8
+5		5.46	98.64
cb		5.35	98.75
1/4		5.29	98.81
℄		5.35	98.75
1/4		5.42	98.68
Gutter		5.6	98.5
Top cb		5.14	98.96

	10+10		
	100' East		
S Topcb		5.33	98.77
Gutter		5.6	98.5
1/4	edge	5.68	98.42
℄		5.59	98.51
1/4		5.57	98.53
cb		5.65	98.45
+5	edge existing paving	5.73	98.37
+9		5.4	98.7
N		4.8	99.3
	150' East		
N		5.3	98.8
+1		5.6	98.5
+5		6.04	98.06
cb		5.93	98.17
1/4		5.85	98.25
℄		5.87	98.23
1/4		5.97	98.13
Gutter		6.1	98.0
S Topcb		5.64	98.46
	200' East		
S Topcb		5.95	98.15
Gutter		6.3	97.8
1/4	S edge of existing paving	6.31	97.79
℄		6.24	97.86
1/4		6.21	97.89
cb		6.23	97.87

	10+10		
+5	N edge of existing paving	6.33	97.73
+8		5.9	98.2
N		5.7	98.4
	250' East		
N		6.3	97.8
+2		6.2	97.9
+5	N edge	6.53	97.57
cb		6.52	97.58
1/4		6.49	97.61
℄		6.52	97.58
1/4		6.56	97.54
Gutter		6.5	97.6
S Topcb		6.25	97.85
	300' East		
S Topcb		6.64	97.46
Gutter		6.8	97.3
1/4		6.77	97.33
℄		6.73	97.37
1/4		6.72	97.38
cb		6.84	97.26
+5		6.93	97.17
+8		6.9	97.7
N		6.1	98.0
T.P.	3.61	101.02	6.69 97.41
	350' East		
N		3.4	97.62

10/.02

+2	3.5	97.5
+5 N. edge	4.16	96.84
cb	4.07	96.95
1/4	4.01	97.01
℄	4.01	97.01
1/4. S. edge existing Paving	4.08	96.94
Gutter	3.9	97.1
Top cb	3.80	97.2
	400'E	
Top	4.08	96.94
Gutter	4.3	96.7
1/4 S edge	4.2	96.8
℄	4.19	96.83
1/4	4.20	96.82
cb	4.29	96.73
+5 N edge	4.40	96.62
+8	3.8	97.2
N	3.5	97.5
	450'East	
N	4.2	96.8
+2	4.3	96.7
+5	4.71	96.3
cb	4.64	96.38
1/4	4.61	96.41
℄	4.61	96.41
1/4	4.65	96.37

10/.02

Gutter	4.6	96.4
S Top cb	4.44	96.58
	500'East Pavedfull	
S Top cb	4.76	96.24
Gutter on Paving	5.38	95.64
1/4	5.04	95.98
℄	4.91	96.11
1/4	4.87	96.15
cb	4.93	96.07
+5	5.0	96.00
+8	4	96.8
N	4.1	96.9
	550'East	
N	5.2	95.8
+1	5.1	95.9
+5 Edge of existing Paving	5.27	95.75
cb	5.15	95.87
1/4	5.10	95.92
℄	5.21	95.81
1/4	5.40	95.62
Gutter	5.64	95.38
S Top cb	5.12	95.90
	601'East W Line of 38.75	60'ST 10'CBS 10'W
S Top cb	5.35	95.67
Gutter	5.91	95.11
1/4	5.6	95.40

	10+.02		
℄	5.45	95.57	
1/4	5.46	95.56	
cb	5.52	95.50	
+5	5.60	95.42	
+8	5.2	95.8	
N	9.5	96.5	
	W cb		
N	4.6	96.4	
+2	9.5	96.5	
+5	5.60	95.42	
cb	5.53	95.49	
1/4	5.50	95.52	
℄	5.55	95.47	
1/4 Edge existing Paving	5.67	95.35	
cb	6.0	95.0	
Redon catch Basin & S&W Return	6.10	94.9	
S. on Ground	5.7	95.3	
S. on Top cb	5.35	95.67	
	W 1/4		
S	5.5	95.5	
cb	5.8	95.2	
* 1/4	5.68	95.32	
℄	5.52	95.50	
1/4	5.47	95.55	
cb	5.49	95.53	
+5 N edge	5.56	95.46	

	10+.02		
N	9.4	96.6	
	℄		
N	9.5	96.5	
+5	5.56	95.46	
cb	5.49	95.53	
1/4	5.53	95.49	
℄	5.52	95.50	
1/4	5.57	95.45	
+1	5.3	95.7	
cb	5.2	95.8	
S	5.2	95.8	
	E 1/4		
S	5.4	95.6	
cb	5.3	95.7	
1/4 edge of paving	5.52	95.5	
℄	5.44	95.58	
1/4	5.45	95.57	
cb	5.53	95.59	
+5	5.58	95.54	
+8	4.8	96.2	
N	4.9	96.6	
	E cb		
N	4.4	96.6	
+2	4.8	96.2	
+5	5.57	95.45	
cb	5.44	95.58	

10/.02

1/4	5.42	95.58
℄	5 42	95.58
1/4 S edge	554	95.48
cb	5.9	95.1
S on Ground	5.7	95.3
S. on Top cb	5.41	95.6
Pedon & catch Basin 4 SE Return	6.16	94.84
	E cb +5.	Break in Paving Grade
cb on Ground & Return	6.1	94.9
+4	5.7	95.3
1/4	5 64	95.38
℄	5.42	95.58
1/4	5.45	95.57
cb	5 54	95.48
+5	5.70	95.32
+8 flow of cu-b opening on N	6.30	94.72
N	5.4	95.8
	E Line of 36th	
N	4.5	95.5
+3	4.8	95.2
+5 edge of Paving	552	95.5
cb	538	95.64
1/4	5.36	95.64
℄	538	95.64
1/4 S edge	598	95.54
+4	6.0	95.0

10/.02

Gutter	5.6		95.4
S Top cb	5.33		95.69
50 East of the E Line of 36th			
S Top cb	3.68		97.34
Gutter	3.9		97.1
1/4	3.98		97.04
℄	3 88		97.14
1/4	3.81		97.21
cb	3.85		97.17
+5	3 97		97.05
+7	3.8.		97.2
N	3.9		97.1
100' East			
N	2.7		98.3
+2	2.9		98.1
+5 N edge	2.39		98.68
cb	2.27		98.75
1/4	2.20		98.8
℄	220		98.8
1/4 S edge	228		98.74
Gutter	2.5		98.5
S Top cb	2.15		98.87
T. R.	13.27	113.39 0.90	100.12
150' East			# Note from 150' to 300' E. paved full width.
S Top cb	12.88		100.51
Gutter	13.48		99.81

113:39

1/4		13.16	100.43
℄		12.96	100.43
1/4		12.90	100.49
cb		12.93	100.46
+5		13.05	100.34
N		13.1	100.29
	198'E	Break in Paying Grade	
N		11.5	101.89
+5		11.47	101.92
cb		11.33	102.06
1/4		11.22	102.17
℄		11.27	102.12
1/4		11.48	101.91
Gutter		11.81	101.58
S Top cb		11.15	102.24
	209'E	Break in cb Grade	
S		10.68	102.71
Gutter		11.43	101.96
1/4		10.91	102.48
℄		10.71	102.68
1/4		10:67	102.72
cb		10.79	102.60
+5		10:92	102.47
N		10.9	102.49
	250'E		
N		8.7	104.69

113.39

+5		8.67	104.72
cb		8.58	104.81
1/4		8.53	104.81
℄		8 63	104.76
1/4		8.8~	104 57
Gutter		9 00	104.39
S Top cb		8.50	104.89
	300'E		End of full width paying
S Top cb		5.56	107.83
Gutter		6.27	107.12
1/4		5.95	107.44
℄		5.75	107.64
1/4		5.71	107.68
cb		5.83	107.56
+5	N edge of existing paving	5 88	107.51
N		5.7	107.69
	350'East		
N		2.9	110.49
+2		3.2	110.19
+5		3.10	110.29
cb		2.93	110.46
1/4		2.88	110.51
℄		2.90	110.49
1/4		3.11	110.28
Gutter		3.5	109.89
S Top cb		2.79	110.60

		113.39		
TP	8.87	121.21	0.95	112.94
			400' East	Breaking Grade
S			8.03	113.18
Gutter			8.5	112.7
1/4			8.50	112.7
℄			8.37	112.84
1/4			8.36	112.85
CL			8.42	112.79
+5			8.47	112.72
+8			8.1	113.1
N			5.4	115.8
			450' E	
N			4.2	117.0
+-			6.3	114.9
+5			7.11	114.1
CL			7.00	114.2
1/4			6.94	114.27
℄			7.02	114.2
1/4	S edge paving		7.16	113.6
+1			6.8	114.4
Gutter			7.0	114.2
STopCb			6.81	114.4
			560' E	
STopCb			5.63	115.6
Gutter			5.8	115.4
TP			5.8	115.4

		121.21		
1/4			5.95	115.26
℄			5.8-	115.4
1/4			5.77	115.4
CL			5.81	115.4
+5	N edge existing paving		5.89	115.3
+7			4.9	116.3
N			2.9	118.3
			550' E	
N			1.8	119.4
+3			4.1	117.1
+5	N edge existing Paving		4.67	116.5
CL			4.54	116.6
1/4			4.58	116.6
℄			4.67	116.5
1/4			4.77	116.4
Gutter			4.6	116.6
STop CL			4.43	116.8
			600' E	W Line of 39th
WTop CL			3.23	118.0
Gutter			3.5	117.7
1/4			3.62	117.6
℄			3.50	117.7
1/4			3.48	117.7
CL			3.52	117.7
+5			3.57	117.6
N			1.9	119.3

60 SF
10' CL's
10 1/4's

	+ 121.2	7	−	Elev
		W cb		
N			2.0	119.2
+5			3.49	117.7
cb			3.42	117.8
1/4			3.35	117.8
℄			3.42	117.8
1/4			3.54	117.7
cb			3.5	117.7
S. on Ground			3.7	117.5
S. on Topcb			3.15	118.0
		N 1/4		
S			3.5	117.7
cb			3.3	117.9
+5 1/4			3.45	117.7
℄			3.35	117.8
1/4			3.33	117.9
cb			3.38	117.8
+5			3.43	117.8
N			2.0	119.2
		℄		
N			1.3	119.9
+			2.6	118.6
+5 N.			3.45	117.7
cb			3.35	117.8
1/4			3.31	117.9
℄			3.32	117.9
1/4			3.40	117.8

	7 121.2		
cb		3.3	117.9
S.		3.3	117.9
	E 1/4		
S		3.6	117.6
cb		3.3	117.9
1/4		3.35	117.8
℄		3.33	117.9
1/4		3.28	117.9
cb		3.31	117.9
+5 N. edge of Paving		3.40	117.8
+8		2.7	118.5
N		1.5	119.7
	E. 06		
N		1.4	119.8
+1		2.5	118.7
+5 N. edge		3.35	117.8
cb		3.28	117.9
1/4		3.27	117.9
℄		3.31	117.9
1/4		3.36	117.8
cb		3.5	117.7
S on Ground		3.4	117.8
S. on Topcb		2.92	118.3
Check on B.P. 3.91 S.E. 39th & Jay		2.89	118.32 118.40
E. Line of 39th			Note from E Line of 39th to N Line of alley paved full width
S Topcb		2.84	118.4

	+	℄ 121.21	−	Elev
Gutter			3.3	117.9
1/4	Sedge existing paving		3.29	117.9
℄			3.18	118.0
1/4			3.14	118.1
cb			3.20	118.0
+5	N edge existing paving		3.27	117.9
+8			2.6	118.6
N			1.0	120.2
T.P.	7.80	127.38	1.63	119.58
			0+50	
N			6.8	120.6
+1			7.8	119.6
+5			8.51	118.9
cb			8.45	118.9
1/4			8.35	119.0
℄			8.42	119.0
1/4			8.60	118.8
Gutter			8.81	118.6
top cb.			8.08	119.3
		100' East		
S Top cb			7.07	120.3
Gutter			7.80	119.6
1/4			7.58	119.8
℄			7.40	120.0
1/4			7.34	120.1
cb			7.36	120.0

℄ 127.38

+5		7.48	119.9
+7		7.3	120.1
N		5.6	121.8
	138 ± W Line Alley		Paved full width with 5' exception N of Hiway
N		4.6	122.8
+3		6.5	120.9
+5	N edge	6.70	120.7
cb		6.59	120.8
1/4		6.5	120.9
℄		6.53	120.9
1/4		6.67	120.7
Gutter		7.03	120.4
Top cb		6.39	121.1
	153 ± E. East Line of Alley		
Top cb		6.00	121.4
Gutter		6.5	120.9
+ 1/4	Edge existing paving	6.39	121.1
℄		6.21	121.2
1/4		6.17	121.2
cb		6.25	121.1
+5		6.37	121.0
+7		6.1	121.3
N		4.6	122.8
	200' East		
N		9.0	123.9
+9		9.2	123.2

	↑ 127.38		
+3		5.2	122.2
+5	N edge paving	5.40	122.0
cb		5.25	122.1
1/4		5.21	122.2
℄		5.30	122.1
1/4		5.43	122.0
Gutter		5.5	121.9
S Top cb		5.15	122.2
	250'E		
S Top cb		9.21	123.2
Gutter		9.6	122.8
1/4		9.95	122.93
℄		9.32	123.1
1/4		9.24	123.2
cb		9.30	123.1
+5	N edge	9.45	122.9
+8		9.~	123.2
+9		38	123.4
N		3.4	124.0
	300'E W line of Ada		
N		3.6	123.8
+5		3.75	123.6
cb		3.62	123.8
1/4		3.59	123.8
℄		3.52	123.9
1/4		3.70	123.7

	↑ 127.38		
Gutter		3.5	123.9
S Top cb		3.35	124.0
			See sketch, p. 2 W. 10th of sec
	W	cb	page 33
S Top cb		3.95	123.9
Son Ground		9.0	123.4
cb		3.8	123.6
1/4		3.72	123.7
℄		3.59	123.8
1/4		3.62	123.8
cb		3.70	123.7
+3.5	N edge	3.75	123.6
N		3.9	124.0
			985' W. 10th of sec
	W	1/4	
N		3.3	124.1
+5		3.80	123.6
cb		3.70	123.7
1/4		3.65	123.7
℄		3.68	123.7
1/4		3.80	123.6
cb		3.6	123.8
S		3.9	123.5
			50' W. 10th of Sec
	℄		
S		3.7	123.7
cb		3.7	123.7
1/4		3.8	123.6
℄	S edge	3.80	123.6

		T 127.38		
℄			3.67	123.7
cb			3.71	123.7
+6.2	N edge of paving		3.70	123.7
N			3.38	124.1
		E ¼	53' width of sec	
N			3.5	123.9
+5			3.94	123.5
cb			3.75	123.6
℄			3.77	123.6
+6	Sedge		3.89	123.5
℄			3.9	123.5
¼			3.9	123.5
cb			3.9	123.5
S			9.1	123.3
T.P	9.12	127.63	3.87	123.51
		E cb	56.6	width of sec
S			9.8	122.8
cb			4.7	122.9
¼			9.4	123.2
℄			94	123.2
+3.9	S edge		4.25	123.3
¼			4.25	123.4
cb			408	123.5
+8.2	N edge		4.24	123.4
N			3.5	124.1

		T 127.63		
		E line of Ada		
N			3.5	124.1
+5	edge of paving		4.39	123.2
cb			4.19	123.4
¼			4.25	123.3
+5	Sedge of paving		4.38	123.2
℄			4.5	123.1
¼			4.7	122.9
Gutter			4.7	122.9
S Top cb			4.14	123.5
		50 E		
S Top cb			5.52	122.1
Gutter			6.06	121.5
¼			6.0	121.6
℄			5.8	121.8
+5	Sedge of paving		5.63	122.0
¼			5.55	122.0
cb			5.63	122.0
+5	N edge		5.73	121.9
N			5.7	121.9
		100 E		
N			6.8	120.8
+5			7.09	120.5
cb			6.99	120.6
¼			6.94	120.7
+5			7.7	119.9
℄			7.2	120.4

L5 48

Note from from E line East 60°37' 16.685 10.345

127.63

1/4		7.5	120.1
Gutter		7.5	120.1
S Top cb		6.77	120.8
	138' E of N. Line of alley		
		7.75	119.8
Gutter		8.3	119.3
1/4		8.4	119.2
℄		8.3	119.3
+5	Se	8.18	119.4
1/4		8.05	119.5
cb		8.2	119.5
+5	N	8.25	119.3
N		8.0	119.6
	153' E		
N		8.4	119.2
+5		8.56	119.0
cb		8.49	119.1
1/4		8.46	119.1
✱ +5		8.57	119.0
℄		8.8	118.8
1/4		8.9	118.7
Gutter		9.0	118.6
℄ Top cb		8.09	119.5
	200 E		
S		9.37	118.2
Gutter		10.2	117.4

127.63

1/4		10.0	117.6
℄		10.0	117.6
+9.9	edge of paving	10.07	117.5
1/4		9.87	117.7
cb		9.93	117.7
+5	N	9.96	117.6
N		9.9	117.7
T.P.	2/8	122.38 7.93	120.20
	229 E		
N		4.6	117.8
+5		5.0	117.4
cb		5.38	117.0
1/4		5.34	117.1
℄		5.56	116.8
+2.4		5.64	116.8
1/4		5.5	116.9
Gutter		5.5	116.9
S. Top cb		4.93	117.5
	Token at ℄ to Prop Sec 1	See Sketch Page 33	
S+S¹ cb		5.39	117.0
Gutter		5.8	116.6
cb		5.7	116.7
+9.5		5.85	116.5
1/4		5.75	116.6
℄		5.58	116.8
1/4		5.46	116.9

	122.38		
+6		5.5	116.9
cb		4.9	117.5
N		3.4	119.0
	Sec		
N		3.2	119.2
cb		4.9	117.5
+5		5.3	117.1
1/4		5.53	116.9
℄		5.60	116.8
1/4		5.72	116.7
cb		5.95	116.4
Gutter		5.98	116.4
+7.5 Top		5.57	116.8
	Sec 3		
S		6.06	116.3
cb		5.92	116.5
1/4		5.78	116.6
℄		5.70	116.7
1/4		5.65	116.9
cb		5.1	117.3
+3		4.6	117.8
N		3.2	119.2
	Sec 4		
N		3.8	118.6
+5		4.9	117.5
cb		5.3	117.1

	122.38		
1/4		5.55	116.8
℄		5.79	116.6
1/4		5.87	116.5
cb		5.93	116.5
S		6.07	116.3
	Sec 5		
S		6.22	116.2
cb		6.03	116.4
1/4		5.9	116.5
℄		5.8	116.6
1/4		5.6	116.8
cb		5.4	117.0
+5		5.1	117.3
N		3.4	119.0
	Sec 6		
N		3.9	119.0
+5		5.3	117.1
+7.5		5.9	117.0
cb		5.6	116.9
1/4		5.8	116.6
℄		5.9	116.5
1/4		5.9	116.5
cb		6.1	116.3
S		6.6	115.8
	Sec 4	See Sketch	Page 33
S Top cb		6.38	116.0

T
122:38

94

Gutter	7.1	115.3
℄	6.9	115.5
Gutter	7.0	115.4
cb	6.33	111.1

Bliss
Isbell
Holbeck

X Sections of Durant St.
from the W Line of Pardee to the W Line
of 36th.

B.P. N.W. Univ. 45th

X Sec Alley Blk 3
City Hights Annex No 1.

Sept 5-28
London
Isbell
Morgan

BM	7.50	357.06	349.56
N cb line Univ.			
w cb		6.44	
q ut		7.17	
q ut at ℄		7.33	
E q ut		7.36	
E cb		6.71	
0+00 = N.L Univ.			
E cb		6.59	
E.L. Pav		6.78	
Pav ℄		6.92	
w.L. Pav		6.63	
w.L. cb		6.34	
0+10			
w.L.		6.1	
+4		6.0	
℄		6.5	
+2		6.5	
+8		6.3	
E.L.		6.4	
5'E		7.5	
0+17			
5'E		6.8	
E.L.		5.7	
+4		6.1	
+8		6.3	

Page 73
Sec. Notes in Book 1237 Taken 5-10-28
Plotted 5-19-28, Yardage figured 5-29-28.

53

0+17	357.06	
℄		6.1
+3		6.1
w.L.		5.9
0+25		
w.L.		5.8
+7		6.0
℄		6.0
+3		6.2
+7		6.1
E.L.		6.5
5'E		7.5
0+33		
5'E		6.7
E.L.		6.2
+3		5.9
℄		5.7
+4		5.9
+7		5.6
w.L.		5.2
0+65		
w.L.		6.4
+5		6.1
℄		6.4
+5		6.3
E.L.		6.1

357.06

0+85		
E.L.	6.4	
+3	6.7	
+5	6.3	
℄	6.2	
+3	6.5	
+4	6.2	
w.L.	6.6	
1+00		
w.L.	6.1	351.0
+7	6.1	
℄	6.3	350.8
+6	6.2	
E.L.	6.7	350.4
1+22		
E.L	6.6	
+5	6.1	
℄	6.0	
w.L.	6.1	
1+35		
w.L.	6.0	
℄	6.3	
+3	6.4	
+7	6.3	
E.L	6.2	

357.06

1+39 = ℄ Single garage 6.7 w. Conc floor.

5.74

1+56 = ℄ Single garage 6.2 w. Conc floor.

6.14

(House 5+65 - 5+98 on West.)

1+57	
E.L.	5.7
+3	6.0
℄	6.1
+5	5.9
w.L.	6.1
1+63	
w.L	6.1
+4	5.9
℄	5.9
+8	5.5
E.L.	5.3
1+71	
E.L	4.9
+4	5.2
℄	5.5
+5	5.3
w.L.	5.7

1+92 = ℄ Sing. garage 10.7' E. Earth floor.

4.4

2+00	357.06	
w.L.		4.5
℄		4.3
+8		4.3
E.L.		4.4
2+20		
E.L.		3.7
+5		3.7
℄		3.6
w.L. (fence 0.8 in.)		3.5
2+28 = S End double garage 1' in on w.		Earth floor
		3.5
2+48 = N End Same garage 0.4' in		
		3.7 353.4
2+28		
w.L.		3.5
℄		3.5
+5		3.6
E.L.		3.8
2+50		
E.L.		4.0
+2		3.8
℄		3.6
w.L.		3.8
2+56 = ℄ Single garage 0.4 in on w.		Earth floor
		3.5

2+56	357.06	
w.L.		3.5
+6		3.6
℄		3.5
+8		3.8
E.L.		4.2
2+75		
E.L.		4.1
+2		3.9
+5		3.6
+9		3.4
℄		3.3
+5		3.7
w.L.		3.5
2+85 back step 2.5 West		
		2.77
3+00		
E.L.		3.7
+3		3.4
℄		3.4
w.L. (fence 0.3 in)		3.5

357.06

3+23

E.L. 3.6

+4 3.3

℄ 3.1

+4 3.4

+7 3.6

W.L. 3.3

3+26 = Send double garage 2'w Earth flr.
3.3

3+46 = Send Same garage 2.6 w.
2.9

3+41 = ℄ Sing garage 4.9'E Conc floor
3.10

3+45

W.L. 3.0

+5 3.3

℄ 3.2

+5 3.2

E.L. 3.5

3+48 = Send double garage 2.5'w Conc floor.
2.66

3+66 = Send Same garage 2.5 w
2.62

3+69 357.06

E.L. 2.7

+3 3.0

℄ 2.9

+5 2.9

W.L (fence 0.5 in) 2.9

3+77

W.L. 2.7

+3 2.8

℄ 2.6

+6 2.6

E.L. 2.7

3+90 = ℄ Sing garage 5'E Conc floor.

TP 529 359.84 2.51 354.55

4.95

4+00

E.L. 5.4

+3 5.5

℄ 5.3

+6 5.5

W.L (house 0.6 in) 5.3

4+04 = ℄ Sing garage 0.6 E Conc floor.
5.47

4+30	359.84	
w.L. (fence 1' in)		5.3
℄		5.2
+7		5.3
E.L.		5.6
4+38 = S end double garage 1' in on W.		Earth floor.
		5.2
4+62 = N end same garage 1.3 in		
		5.5
4+60 = ℄ Sing. garage 3.4 E.		Conc. floor
		5.24
4+62		
E.L.		5.5
+7		5.3
℄		5.2
+5		5.2
w.L.		5.5
4+70		
w.L. (fence 1.2 in)		5.5
+5		5.3
℄		5.1
+6		5.0
E.L.		5.1

5+00	359.84		
E.L.		5.1	354.7
+5		5.2	
℄		5.2	354.6
+5		5.2	
+7		5.5	
w.L. (fence 0.5 in)		5.3	354.5
5+10			
w.L.		5.5	
+5		5.6	
+7		5.3	
℄		5.3	
+4		5.4	
E.L.		5.0	
5+33 = ℄ Sing. garage 0.5 in on W.		Earth floor	
		5.3	
5+40			
E.L.		4.9	
℄		5.0	
+9		5.1	
w.L.		5.6	
5+41 = ℄ Sing garage 2' E.		Earth floor	
		5.4	

5+60

w.L.	5.6
+5	5.2
℄	5.0
E.L.	4.9

5+64 = send double garage 12' in on E. Conc. floor

	5.13

5+85 = Need same garage 0.7' in

	5.07

5+84

E.L.	5.1
+5	5.2
℄	5.4
+5	5.5
w.L. (gar. 0.9 in)	5.5

5+92 = ℄ Sing garage 1' in on W long floor

	5.28

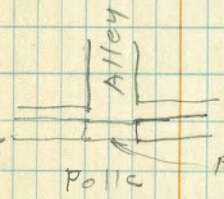
5+92

w.L.	5.6
+5	5.6
℄	5.6
+5	5.7
E.L.	5.6

359.84

5+99½ = 5L Polk

E.L.	5.8	
+5	6.2	
℄	6.0	
+5	6.2	
w.L.	6.0	
Scb line Polk.		
Cb on E.L.	6.07	353.77
cb on w.L.	6.18	353.66



T.P.	2.76	356.39	6.21	353.63
B.M. Beginning			6.85	349.54
				349.57

X-Sections Wallace from Juan Str. to Chestnut. 75' wide, 17.5' SW., 10' Quarters
Alignment of Wallace assumed to be E-W

STA		F	H.I.	−	Elev.
B.M. Top of Water Pipe Wallace & Whitman					22.43
		1.17	23.60		
	T.P.			12.89	10.71
		4.78	15.49		
	T.P.			1.42	14.07
		3.07	17.14		
0+00	W.L. Juan Str.				
	S.L.			2.4	14.7
	S. Curb			3.0	
	S'/4			3.2	
	℄			3.4	13.7
	N'/4			3.7	
	N. Curb			3.8	
	N.L.			4.2	12.9
0+10	W. Curb Juan Str.				
	N.L.			4.6	12.5
	N. Curb			4.3	
	N'/4			4.0	
	℄			3.8	13.3
	S'/4			3.5	
	S. Curb			3.2	
	S.L.			2.9	14.2
0+17.5	W'/4 Juan Str.				
	S.L.			2.8	14.3
	S. Curb			3.2	

JAEGER
Bailey
Clavert
Brooks
Oct. 8th 1928.

63

17.14

STA	+	H.I.	−	Elev.
	S'/4		3.4	
	℄		3.7	13.4
	N'/4		3.9	
	N. Curb		4.1	
	N.L.		4.4	12.7
0+25	℄ Juan Str.			
	N.L.		4.5	12.6
	N. Curb		4.3	
	N'/4		3.9	
	℄ Top of Manhole		3.55	13.59
	S'/4		3.4	
	S. Curb		3.2	
	S.L.		2.9	14.2
0+32.5	E'/4 Juan			
	S.L.		3.4	13.7
	S. Curb		3.3	
	S'/4		3.3	
	℄		3.5	13.6
	N'/4		3.9	
	N. Curb		4.2	
	N.L.		4.6	12.5
0+40	E. Curb Juan			
	N.L.		4.6	12.5
	N. Curb		4.6	
	N'/4		3.9	

17.14

Sta	+	H.I.	−	Elev.
℄			3.9	13.2
S'/₄			3.6	
S. Curb			3.7	
S.L.			4.1	13.0
0+50	E.L. Juan St.			
S.L.			3.6	13.5
S. Curb			4.3	
S'/₄			4.0	
℄			4.1	13.0
N'/₄			4.6	
N. Curb			5.0	
N.L.			4.8	12.3
0+75 50				
N.L.			5.0	12.1
+6.5' SW. Cor. House			4.8	
N. Curb			4.8	
N'/₄			5.0	
℄			4.5	12.6
S'/₄			4.6	
S. Curb			5.0	
S.L.			3.4	13.7
0+96 00				
S.L.			3.3	13.8
S. Curb			5.2	
S'/₄			5.0	

17.14

Sta	+	H.I.	−	Elev.
℄			4.7	12.4
N'/₄			5.1	
N. Curb			5.1	
+11' S.E. Cor. House			4.8	
N.L.			5.0	12.1
1+25				
+7.5 SW. Cor House			4.8	
N.L.			4.9	12.7
N. Curb			5.0	
N'/₄			5.4	
℄			5.4	11.7
S'/₄			5.4	
S. Curb			5.6	
S.L.			3.7	13.4
1+51				
S.L.			4.3	12.8
S. Curb			5.9	
S'/₄			5.7	
℄			5.7	11.4
N'/₄			5.7	
N. Curb			4.8	
N.L.			4.4	12.7
+8' S.E. Corner House			3.8	

17.14

Sta	+	H.I.	−	Elev.
2+08				
N.L.			5.4	11.7
+16.5	S.W. Cor. Adobe House		5.9	✓
N. Curb			5.5	
N'/a			6.5	
℄			6.4	10.7
S'/a			6.3	
S. Curb			6.7	
S.L.			5.1	12.0
T.P.			7.00	10.14 ✓
		4.73	14.87 ✓	
2+46				
+10'			3.8	
S.L.			4.7	10.2
S. Curb			5.0	
S'/a			4.8	
℄			4.8	10.1
N'/a			5.3	
N. Curb			5.7	
+9'	S.E. Cor. Adobe House		5.0	✓
N.L.			5.3	9.6
+10'			5.6	
3+00				
+10'			7.1	
N.L.			6.9	8.0

14.87

Sta	+	H.I.	−	Elev.
N. Curb			6.5	
N'/a			5.4	
℄			4.8	10.1
S'/a			4.6	
S. Curb			4.3	
S.L.			4.3	10.6
+10'			4.2	
3+50 ±'	W.L. Sunset			
S.L.			4.3	10.6
+4'			4.2	
+7'			3.9	
S. Curb			3.9	
S'/a			4.0	
℄			4.7	10.2
N'/a			5.5	
N. Curb			6.2	
N.L.			6.6	8.3
4+00 ±'	E.L. Sunset			
N.L.			5.9	9.0
N. Curb			5.7	
N'/a			5.2	
℄			4.9	10.0
S'/a			4.4	
S. Curb			4.0	
+6'			4.2	

14.87

Sta	+	H.I.	−	Elev.
+9'			4.8	
S.L.			4.9	10.0
T.P. see pg. opp. 65				10.14 ✓
	10.51	20.65 ✓		
4+50				
+10'			10.7	
S.L.			10.8	9.9
+5'			11.3	
+13'			10.7	
S.Curb			10.8	
S'/4			10.8	
℄			10.9	9.7
N'/4			11.4	
N.Curb			12.1	
N.L.			12.4	8.3
+10'			12.5	
5+00				
+10'			13.7	
N.L.			13.7	7.0
+12'			13.3	
N.Curb			12.3	
N'/4			11.3	
℄			11.2	9.5
S'/4			11.0	
S.Curb			11.2	

20.65

Sta	+	H.I.	−	Elev.
+8'			11.5	
S.L.			11.1	9.5
+10'			11.3	
5+50				
+10'			11.2	
S.L.			11.2	9.5
+10'			11.4	
S.Curb			11.1	
S'/4			11.0	
℄			11.0	9.7
+5'			11.2	
N'/4			12.4	
N.Curb			12.9	
N.L.			14.0	6.7
+10'			14.0	
6+00				
+10'			13.3	
N.L.			13.0	7.6
+12'			12.1	
+15'			12.6	
N.Curb			11.9	
N'/4			10.7	
+9'			9.7	
℄			10.0	10.6
S'/4			10.0	

20.65

Sta	+	H.I.	−	Elev.
S.Curb			9.8	
+9'			10.2	
S.L.			10.0	10.7
+6'			8.9	
+10'			7.0	
6+50				
+10'			2.3	
S.L.			3.7	17.0
S.Curb			6.5	
S¼			6.8	
℄			7.2	13.5
N¼			7.3	
N.Curb			7.4	
N.L.			8.9	11.8
+10'			11.0	
6+99 9/2	W.L. Whitman			
+10'			8.2	
N.L.			7.6	13.1
N.Curb			5.6	
N¼			4.5	
℄			4.1	16.6
S¼			2.7	
+7'			3.6	
+9'			2.5	
S.Curb			2.2	

20.65

Sta	+	H.I.	−	Elev.
S.L.			0.4	20.3
+3'			0.0	
B.M. Top of Water Pipe, Wallace & Whitman				22.43
		6.96	29.34	
7+09 9/2	W. Curb Whitman			
+10'			6.5	
S.L.			8.2	21.1
S.Curb			10.5	
+8'			11.8	
S¼			12.0	
℄			12.0	17.3
N¼			12.7	
+7'			14.1	
N.Curb			14.5	
N.L.			15.7	13.6
+10'			16.3	
7+17 4/2	W¼ Whitman			
+10'			16.2	
N.L.			15.6	13.7
N.Curb			14.4	
+7'			12.3	
N¼			12.3	
℄			11.7	17.6
S¼			11.5	
+8'			10.1	

29.34

Sta	+	H.I.	−	Elev.
S. Curb			9.9	
S.L.			7.8	21.5
+10'			6.4	
7+24 9W	℄ Whitman			
+10'			5.2	
S.L.			6.5	22.8
S. Curb			8.7	
S'/4			10.6	
℄			11.6	17.7
N'/4			11.7	
+8'			12.0	
N. Curb			12.1	
+7'			15.0	
N.L.			15.8	13.5
+10'			16.3	
7+32 9W	E'/4 Whitman			
+10'			16.1	
N.L.			15.7	13.6
+5'			14.9	
+14'			11.8	
N. Curb			11.8	
N'/4			11.5	
℄			11.3	18.0
S'/4			10.0	
S. Curb			9.0	

29.34

Sta	+	H.I.	−	Elev.
+4'			6.2	
S.L.			5.4	23.9
+10'			3.7	
7+39 9W	E. Curb Whitman			
+10'			0.9	
S.L.			3.4	25.9
+8'			5.7	
S. Curb			5.9	
+4'			6.2	
S'/4			8.0	
℄			10.1	19.2
+6'			11.3	
N'/4			11.5	
N. Curb			11.6	
+9'			11.8	
N.L.			14.3	15.0
+10'			16.0	
7+49 9W	E.L. Whitman			
+10'			12.9	
+5'			11.8	
N.L.			11.8	17.5
N. Curb			11.6	
+8'			11.1	
N'/4			10.4	
+2'			9.4	

STA		+	H.I. 29.34	−	Elev
	℄			7.6	21.7
	+4'			6.0	
	S'/4			5.5	
	S. Curb			5.0	
	S.L.			0.7	28.6
	T.P.			0.0	29.39
	Hand Level	10.0	39.39		
	+10'			9.0	
	+15'			9.0	
		Instr.	29.39 ✓		
	T.P.			1.10	28.29
		12.96	41.25 ✓		
	T.P.			0.02	41.23
		11.22	52.45 ✓		
7+75					
	+20'			10.2	
	+10'			12.3	
	T.P.			13.0	39.45
	Hand Level	0.00	39.45		
	S.L.			2.3	37.2
	S. Curb			6.4	
	S'/4			9.7	
	℄			12.1	27.4
	+6'			12.4	
	T.P.			13.0	26.45

STA		+	H.I.	−	Elev.
		0.00	26.45		
	N'/4			0.9	
	+8'			2.7	
	N. Curb			3.7	
	+6.5			6.0	
	+8.5			8.1	
	N.L.			8.7	17.8
8+00					
	+13'			8.7	
	+11'			8.2	
	+10'			6.0	
	N.L.			2.3	24.2
	T.P.			0.0	26.45
		13.00	39.45		
	N. Curb			10.9	28.5
	+7'			8.6	
	N'/4			8.6	
	+5'			7.8	
	℄			5.4	34.1
	S'/4			2.7	
	S. Curb			0.0	
		Inst.	52.45 ✓		
	S.L.			6.6	45.8
	+10'			3.4	
	+20'			0.6	

Sta		+	H.I.	−	Elev.
8+25	T.P.			1.29	51.16
		12.99	64.15 ✓		
	+20'			4.5	
	+10'			7.8	
	S.L.			11.8	52.4
	T.P.			13.0	51.15
	Hand Level	0.00	51.15		
	S. Curb			3.8	
	S'/4			7.0	
	℄			9.5	41.7
	N'/4			12.7	
	T.P.			13.0	38.15
		0.00	38.15		
	+7'			1.6	
	N. Curb			1.6	
	+5'			3.5	
	N.L.			6.7	31.5
	+10'			9.5	
	+20'			13.0	
8+50					
	+20'			6.6	
	+10'			3.5	
	N.L.			0.6	37.6
	T.P.			0.0	38.15
		13.0	51.15		

51.15

Sta		+	H.I.	−	Elev.
	+11'			10.0	
	N. Curb			9.7	
	+1'			9.6	
	+4'			7.4	
	N'/4			5.7	
	℄			2.5	48.7
		Instr.	64.15 ✓		
	S'/4			12.2	
	+7'			10.9	
	S. Curb			8.8	
	+8'			6.0	
	S.L.			3.1	61.1
	T.P.			0.81	63.34
		12.60	75.94 ✓		
	+20'			10.0	
8+75					
	+20'			4.3	
	+10'			7.5	
	S.L.			10.7	65.2
	T.P.			13.0	62.94
	Hand Level	0.00	62.94		
	+13'			11.5	
	S. Curb			4.5	
	S'/4			7.5	
	℄			10.6	52.3

Sta		+	H.I.	−	Elev.
	T.P.			13.0	49.94
		0.00	49.94		
	N'/a			0.7	
	+4'			2.7	
	N. Curb			4.0	
	+13'			5.1	
	N.L.			6.6	43.3
	+10'			9.9	
	+20'			12.4	
9+00					
	+20'			7.5	
	+10'			4.7	
	N.L.			1.7	48.2
	+2'			1.N	
	+12'			0.3	
	T.P.			0.0	49.94
		+13.0	62.94		
	N. Curb			11.0	
	N'/a			8.4	
	℄			5.7	57.2
	S'/a			2.3	
		Instr.	75.94 ✓		
	S. Curb			11.4	
	S.L.			6.6	69.3
	+4'			4.5	

Sta		+	H.I.	−	Elev.
	+6'			3.2	
	+10'			2.6	
	T.P.			1.68	74.26
		13.09	87.35 ✓		
	+20'			10.3	
9+25					
	+20'			5.7	
	+10'			9.4	
	S.L.			12.0	75.4
	T.P.			13.0	74.35
	Hand Level	0.00	74.35		
	S. Curb			5.4	
	S'/4			8.3	
	℄			10.7	63.7
	T.P.			13.0	61.35
		0.00	61.35		
	N'/4			1.5	
	N. Curb			4.2	
	+8'			6.0	
	+11'			7.8	
	N.L.			9.1	52.3
	+5'			9.7	
	+10'			11.5	
	+20'			15.0	

61.35

STA		+	H.I.	−	Elev.
9+50					
	+20'			9.5	
	+13'			8.0	
	+9'			6.4	
	N.L.			5.0	56.4
	+5'			2.9	
	T.P.			0.0	61.35
		13.00	74.35		
	N. Curb			12.1	
	N'/c			9.0	
	℄			6.2	68.2
	S'/c			3.4	
	S. Curb			0.6	
		Instr.	87.35 ✓		
	S.L.			8.0	79.4
	+10'			4.6	
	+20'			0.9	
	T.P.			0.56	86.79
		10.53	97.32 ✓		
9+75					
	+20'			7.7	
	+10'			10.5	
	T.P.			13.0	84.32
	Hand Level	0.0	84.32		

84.32

STA		+	H.I.	−	Elev.
	S.L.			0.6	83.7
	S. Curb			7.0	
	S'/c			9.9	
	℄			12.0	72.3
	T.P.			13.0	71.32
		0.00	71.32		
	N'/c			2.3	
	N. Curb			5.2	
	+11'			9.2	
	N.L.			11.1	60.2
	+5'			12.2	
	+12'			12.5	
	+17'			15.0	
	+20'			15.0	
10+25					
	+20'			9.5	
	+10'			8.0	
	+6'			6.9	
	N.L.			6.4	64.9
	+5'			5.9	
	+10'			3.3	
	N. Curb			1.2	
	T.P.			0.00	71.32
		13.00	84.32		
	N'/c			12.2	

84.32

Sta	+	H.I.	−	Elev.
℄			9.4	74.9
S¼			6.8	
S. Curb			4.0	
	Inst.	97.32 ✓		
S.L.			11.5	85.8
+10'			8.6	
+20'			5.8	
10+50 12	W.L. Chestnut			
+20'			4.8	
+10'			8.0	
S.L.			11.4	85.9
T.P.			13.0	84.32 ✓
Hand Level	0.00	84.32 ✓		
S. Curb			3.7	
S¼			6.5	
℄			8.9	75.4
N¼			11.2 ✓	
T.P.			13.0	71.32
	0.00	71.32		
N. Curb			0.6	
N.L.			3.2 ✓	68.1
+10'			5.9	
+20'			8.0	
11+00 12	E.L. Chestnut			
+20'			3.6	

Sta	+	H.I.	−	Elev.
+10'			1.3	
T.P.			0.0	71.32
	13.0	84.32		
N.L.			12.4	71.9
+10'			11.6	
N. Curb			9.5	
N¼			7.6	
℄			5.6	78.7
S¼			3.7	
S. Curb			1.6	
	Instr.	97.32 ✓		
S.L.			11.1	86.2
+10'			8.1	
+20'			5.7	

X-Section Sunset from Wallace to Harney

50' Wide, 10' S.W. 7.5' Quarters

Alignment of Sunset to be N – S

STA	+	H.I.	–	Elev.
B.M. Top of Water Pipe, Wallace & Whitman				22.43
	0.31	22.74		
T.P. Top of Manhole Wallace & Sunset			12.61	10.13
	5.99	16.12 ✓		
0+00 N.L. Wallace				
W.L.			8.0	8.1
W. Curb			8.0	
W'/4			8.1	
℄			7.8	8.3
E'/4			7.6	
E. Curb			7.4	
E.L.			7.0	9.1
0+17 50 N. Curb Wallace				
E.L.			6.9	9.2
E. Curb			7.2	
E'/4			7.5	
℄			7.6	8.5
W'/4			7.5	
W. Curb			7.3	
W.L.			7.4	8.7
0+27 50 N'/4 Wallace				
W.L.			6.6	9.5
W. Curb			6.7	
W'/4			6.5	
℄			6.4	9.7

Plotted 10-16-28 C.&H.

16.12

STA	+	H.I.	–	Elev.
E'/4			6.8	
E. Curb			6.4	
E.L.			6.5	9.6
0+37 50 ℄ Wallace				
E.L.			6.1	10.0
E. Curb			6.1	
E'/4			6.0	
℄			6.0	10.1
W'/4			6.0	
W. Curb			5.9	
W.L.			6.1	10.1
0+47 50 S'/4 Wallace				
W.L.			5.4	10.7
W. Curb			5.4	
W'/4			5.4	
℄			5.5	10.6
E'/4			5.5	
E. Curb			5.6	
E.L.			5.7	10.4
0+57 50 S. Curb Wallace				
E.L.			5.3	10.8
E. Curb			5.4	
E'/4			5.3	
℄			5.3	10.8
W'/4			5.1	

16.12

Sta.	+	H.I.	−	Elev.
W. Curb			5.0	
W.L.			5.1	11.0
0+75	S.L. Wallace			
W.L.			5.7	10.4
W. Curb			5.7	
W'/a			5.7	
℄			5.7	10.4
E'/a			5.9	
E. Curb			5.9	
E.L.			6.2	9.9
1+50				
+5'			5.2	
E.L.			4.9	11.2
E. Curb			4.6	
E'/a			4.9	
℄			4.6	11.5
W'/a			4.7	
W. Curb			4.6	
W.L.			4.6	11.5
+5'			4.5	
2+00				
+5			4.0	
E.L.			4.0	12.1
E. Curb			4.0	
E'/a			3.7	

16.12

Sta	+	H.I.	−	Elev.
℄			3.7	12.4
W'/a			3.8	
W. Curb			3.8	
W.L.			3.6	12.5
+5'			3.4	
2+50				
+5'			2.3	
W.L.			2.3	13.8
W. Curb			2.8	
W'/a			2.8	
℄			2.8	13.3
E'/a			2.8	
E. Curb			3.0	
E.L.			2.8	13.3
+5'			2.8	
T.P.			2.10	14.02
	12.27	26.29		
3+00				
+5'			12.3	
E.L.			12.0	14.3
E. Curb			11.8	
E'/a			11.7	
℄			11.5	14.8
W'/a			11.7	
W. Curb			11.5	

2629

Sta		+	H.I.	−	Elev.
	W.L.			11.1	15.2
	+5'			10.6	
3+50					
	+5'			9.7	
	W.L.			9.6	16.7
	W. Curb			9.1	
	W 1/4			8.9	
	℄			8.2	18.1
	E 1/4			7.6	
	E. Curb			7.8	
	E.L.			8.5	17.8
	+5'			8.3	
3+74 50		N.L. Mason			
	E.L.			1.8	24.5
	E. Curb			4.7	
	E 1/4			4.8	
	℄			5.1	21.2
	W 1/4			5.8	
	W. Curb			6.6	
	W.L.			7.1	19.2
3+84 50		N. Curb Mason			
	W.L.			5.1	21.2
	W. Curb			4.5	
	W 1/4			3.9	
	℄			3.4	22.9

2629

Sta		+	H.I.	−	Elev.
	E 1/4			3.4	
	+5'			1.8	
	E. Curb			1.5	
	E.L.			0.4	25.9
	T.P.			0.49	25.80
			12.76	38.56 ✓	
3+92		N 1/4 Mason			
	E.L.			10.6	28.0
	E. Curb			11.9	
	E 1/4			14.2	
	℄			13.9	24.7
	W 1/4			15.0	
	W. Curb			14.7	
	W.L.			14.5	24.1
3+99 50		℄ Mason			
	W.L.			11.8	26.8
	W. Curb			11.6	
	W 1/4			11.3	
B.M.		℄ Top of Manhole		11.72	26.84
	E 1/4			10.1	
	E. Curb			9.2	
	E.L.			8.2	30.4
4+07		S 1/4 Mason			
	E.L.			8.4	30.2
	E. Curb			9.3	

38.56

Sta	+	H.I.	−	Elev.
E'/a			9.9	
℄			10.6	28.0
W'/a			11.0	
W. Curb			11.4	
W.L.			12.0	26.6
4+14 50	S. Curb Mason			
W.L.			12.3	26.3
W. Curb			11.5	
W'/a			10.8	
℄			10.0	28.6
E'/a			9.5	
E. Curb			8.9	
E.L.			8.2	30.4
4+22 50				
E.L.			7.8	30.8
E. Curb			8.5	
E'/a			8.6	
℄			8.9	29.7
W'/a			10.3	
W. Curb			11.6	
W.L.			12.6	26.0
4+24 50	S.L. Mason			
W.L.			10.0	28.6
W. Curb			9.6	
W'/a			9.4	

38.56

Sta	+	H.I.	−	Elev.
℄			8.6	30.0
E'/a			8.5	
E. Curb			8.2	
E.L.			8.0	30.6
4+50				
+10'			0.9	
E.L.			2.4	36.2
E. Curb			4.5	
E'/a			5.5	
℄			6.0	32.6
W'/a			6.5	
W. Curb			6.8	
W.L.			5.3	33.3
+10'			6.2	
T.P.			1.02	37.54
	12.95	50.49		
5+00				
+10'			13.8	
W.L.			12.2	38.3
W. Curb			11.9	
W'/a			10.9	
℄			10.2	40.3
E'/a			9.8	
E. Curb			7.4	
E.L.			5.0	45.5

Sta		+	H.I.	−	Elev.
	+10'			3.2	
	T.P.			0.29	50.20
		10.82	61.02		
5+25					
	+10'			9.6	
	E.L.			11.1	500
	E. Curb			12.8	
	T.P.			13.0	48.02
	Hand Level	0.00	48.02		
	E'/4			1.2	
	℄			2.2	45.8
	W'/4			4.6	
	W. Curb			5.9	
	W. L.			11.7	36.3
	+10'			9.1	
5+50					
	+10'			5.5	
	W. L.			3.9	44.1
	W. Curb			3.0	
	W'/4			0.8	
	℄	Instr.	61.02	10.5	50.5
	E'/4			10.4	
	E. Curb			9.5	
	E. L.			8.6	52.4
	+5'			8.0	

61.02

Sta	+	H.I	−	Elev.
5+75				
+10'			3.8	
E. L.			4.8	56.2
E. Curb			5.9	
E'/4			7.4	
℄			8.1	529
W'/4			10.8	
+5'			12.6	
W. Curb			13.0	
+5'			11.4	
W. L.			12.7	48.3
+10'			14.8	
6+00				
+10'			9.6	
W. L.			8.5	52.5
W. Curb			7.0	
W'/4			5.8	
℄			3.4	57.6
E'/4			4.4	
E. Curb			4.7	
E. L.			2.4	58.6
+10'			1.1	
T.P.			1.02	60.00
	12.88	72.88		

72.88

Sta	+	H.I.	−	Elev.
6+50				
+10'			7.9	
E.L.			8.2	64.7
E. Curb			8.5	
E'/a			9.3	
℄			9.2	63.7
W'/a			10.6	
W. Curb			11.2	
W.L.			12.0	60.9
+10'			12.6	
7+00				
+10'			7.5	
W.L.			6.7	66.2
W. Curb			5.9	
W'/a			5.6	
℄			4.4	68.5
E'/a			4.4	
E. Curb			3.7	
E.L.			2.9	70.0
+10'			1.8	
7+50 T.P.			0.81	72.07
	12.64	84.71 ✓		
+10'			7.0	
E.L.			8.0	76.7
E. Curb			9.1	

84.71

Sta	+	H.I.	−	Elev.
E'/a			10.0	
℄			10.7	74.0
W'/a			11.4	
W. Curb			12.0	
W.L.			13.0	71.7
+10'			14.1	
8+00				
+10'			7.1	
W.L.			6.5	78.2
W. Curb			5.8	
W'/a			5.3	
℄			4.3	80.4
E'/a			3.7	
E. Curb			2.7	
E.L.			1.2	83.5
+10'			0.0	
T.P.			0.31	84.40
	12.75	97.15 ✓		
8+50 N.L. Twiggs				
E.L.			5.8	91.4
E. Curb			7.6	
E'/a			8.9	
℄			9.6	87.6
W'/a			10.3	
+6'			10.9	

97.15

Sta	+	H.I.	−	Elev.
W. Curb			12.7	
9'			18.3	
W.L.			20.0	77.0
+3'			12.2	
8+60 N. Curb Twiggs				
+1'			10.7	
W.L.			11.5	85.6
+5'			19.0	
W. Curb			17.0	
W1/4			11.4	
+3'			10.0	
℄			9.0	88.1
E1/4			7.6	
E. Curb			6.8	
E.L.			4.2	93.0
8+67.5 N1/4 Twiggs				
E.L.			3.1	94.0
E. Curb			5.3	
E1/4			7.9	
℄			9.4	87.8
W1/4			11.7	
W. Curb			13.7	
+4'			13.6	
+7'			9.6	
W.L.			9.8	87.3

97.15

Sta	+	H.I.	−	Elev.
8+75 ℄ Twiggs				
W.L.			8.9	88.3
+8'			8.2	
W. Curb			9.1	
W1/4			9.7	
℄ Bottom Manhole			9.3	
℄ Top "			6.74	90.41
E1/4			7.2	
E. Curb			5.3	
E.L.			2.3	94.8
8+82.5 S1/4 Twiggs				
E.L.			1.1	96.0
E. Curb			4.2	
E1/4			6.7	
℄			7.6	89.6
W1/4			8.0	
W. Curb			7.9	
W.L.			8.3	88.9
8+90 S. Curb Twiggs				
W.L.			8.3	88.9
W. Curb			7.2	
W1/4			5.7	
℄			4.9	92.2
+3'			7.3	
E1/4			8.2	

97.15

STA	+	H.I.	−	Elev.
+2'			8.6	
E. Curb			6.9	
E. L.			2.2	950
9+00	S.L. Twiggs			
T.P.			0.21	96.94
	12.03	108.97		
+10'			9.6	
E. L.			13.3	95.7
E. Curb			20.7	
E 1/4			14.3	
℄			16.0	93.0
W 1/4			16.5	
W. Curb			17.8	
W. L.			18.8	90.2
+10'			19.4	
9+50				
+10'			13.7	
W. L.			13.0	96.0
W. Curb			10.8	
+4'			11.5	
W 1/4			9.9	
+4'			8.3	
℄			7.9	101.1
E 1/4			7.4	
E. Curb			6.3	

108.97

STA	+	H.I.	−	Elev.
E.L.			5.0	104.0
+10'			2.9	
T.P.			0.74	108.23
	12.34	120.57		
10+00				
+10'			5.9	
E.L.			5.4	115.2
+8'			9.0	
E. Curb			9.3	
E 1/4			9.9	
℄			11.0	109.6
W 1/4			12.2	
W. Curb			13.3	
W.L.			15.5	105.1
+10'			17.0	
10+25				
+10'			10.8	
W.L.			8.4	112.2
+3'			7.6	
W. Curb			7.2	
W 1/4			5.7	
℄			4.8	115.8
E 1/4			2.9	
+2'			2.2	
E. Curb			2.7	

120.57

Sta	+	H.I.	−	Elev.
E.L.			3.N	117.4
+10'			3.6	
T.P.			1.N5	119.32
	12.72	132.04 ✓		
10+50				
+2'			11.N	
E.L.			11.9	120.1
E. Curb			12.0	
E'/4			11.7	
℄			11.5	120.5
W'/4			11.6	
W. Curb			12.4	
W.L.			13.0	119.0
+10'			13.7	
11+00				
+10'			11.5	
W.L.			11.0	121.0
W. Curb			9.N	
W'/4			7.7	
+3'			7.0	
℄			6.6	125.4
E'/4			6.N	
E. Curb			5.6	
E.L.			4.7	127.3
+10'			3.7	

132.04

Sta	+	H.I.	−	Elev.
11+25				
+10'			5.3	
E.L.			6.3	125.7
E. Curb			6.7	
E'/4			7.0	
℄			8.4	123.6
W'/4			8.9	
W. Curb			10.N	
W.L.			12.5	119.5
+10'			15.0	
T.P.			12.60	119.44
	4.97	124.41 ✓		
11+50				
+5'			0.0	
E.L.			1.4	123.0
E. Curb			7.3	
E'/4			8.7	
℄			10.4	114.0
W'/4			9.0	
W. Curb			9.4	
W.L.			10.8	113.6
+10'			13.0	
11+99 87	N.L. Harney			
T.P.			13.0	111.41
Hand Level	0.00	111.41		

111.41

Sta	+	H.I.	−	Elev.
+10'			7.4	
W.L.			4.7	106.7
W. Curb			0.8	
	Instr.	124.41 ✓		
W'/g			11.8	
℄			10.6	113.8
E'/g			7.6	
E. Curb			5.0	
T.P.			5.99	118.42
	9.88.	128.30 ✓		
E.L.			5.3	123.0
+10'			0.0	
12+49 87	S.L. Harney			
+10'			3.1	
E.L.			5.8	122.5
E. Curb			8.9	
E'/g			10.9	
℄			12.7	115.6
T.P.			13.0	115.30
Hand Level	0.00	115.30		
W'/g			1.9	
W. Curb			3.9	
W.L.			6.4	108.9
+10'			8.3	

Sta	+	H.I.	−	Elev.

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope 1½ 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 estimate the difference in elevation between 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. If it does not make the slight adjustment necessary.

TABLE No. 9.

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 I may be found by dividing tangent, (or external), opposite I 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.

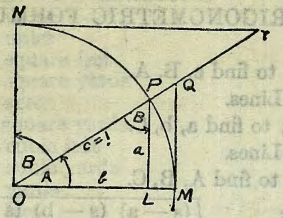


TABLE II

TRIGONOMETRIC FORMULÆ.

$\angle A = \angle MOP \qquad \angle B = \angle PON = \angle OPL$

$R = OB = c = 1$

$$\sin A = \frac{a}{c} = \frac{a}{1} = a = \cos B = LP$$

$$\cos A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$$

$$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$$

$$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$$

$$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$$

$$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$$

$$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B \#$$

$$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$$

$$\text{exsec } A = PQ = \text{coexsec } B$$

$$\text{coexsec } A = PT = \text{exsec } B$$

$$\sin \tfrac{1}{2} A = \sqrt{\frac{1 - \cos A}{2}} \qquad \cos \tfrac{1}{2} A = \sqrt{\frac{1 + \cos A}{2}}$$

$$\sin 2A = 2 \sin A \cos A \qquad \cos 2A = \cos^2 A - \sin^2 A$$

$$\text{Law of Lines} \quad \frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C}{C}$$

$$\text{Law of Cosines} \quad c^2 = a^2 + b^2 - 2ab \cos C$$

$$\text{Law of Tangents} \quad \frac{a+b}{a-b} = \frac{\tan \tfrac{1}{2}(A+B)}{\tan \tfrac{1}{2}(A-B)}$$

Table II—Continued

TRIGONOMETRIC FORMULAE (continued)

In any triangle:

Given a, b, C; to find c, B, A.

Use Law of Lines.

Given A, B, c; to find a, b, C.

Use Law of Lines.

Given a, b, c; to find A, B, C.

Let $\frac{a+b+c}{2} = s$, $\sqrt{\frac{(s-a)\ (s-b)\ (s-c)}{s}} = r$

$$\cos \tfrac{1}{2} A = \sqrt{\frac{s(s-a)}{bc}}$$

$$\tan \tfrac{1}{2} A = \frac{r}{s-a}$$

$$\tan \tfrac{1}{2} B = \frac{r}{s-b}$$

$$\tan \tfrac{1}{2} C = \frac{r}{s-c}$$

Area of a triangle:

Area $= \tfrac{1}{2}$ ab Sin C

Area $= \sqrt{s\,(s-a)\,(s-b)\,(s-c)}$

PRISMOIDAL FORMULA.

$$\text{Vol.} = \frac{h}{6}(B+b+4M)$$

h = altitude; b, B = bases; M = midsection

Table III

INCHES AND FRACTIONS OF AN INCH IN DECIMALS OF A FOOT

	0	1	2	3	4	5	6	7	8	9	10	11	
1/16	.0052	.0885	.1719	.2552	.3385	.4219	.5052	.5885	.6719	.7552	.8385	.9219	1/16
1/8	.0104	.0938	.1771	.2604	.3438	.4271	.5104	.5938	.6771	.7604	.8438	.9271	1/8
3/16	.0156	.0990	.1823	.2656	.3490	.4323	.5156	.5990	.6823	.7656	.8490	.9323	3/16
1/4	.0208	.1042	.1875	.2708	.3542	.4375	.5208	.6042	.6875	.7708	.8542	.9375	1/4
5/16	.0260	.1094	.1927	.2760	.3594	.4427	.5260	.6094	.6927	.7760	.8594	.9427	5/16
3/8	.0313	.1146	.1979	.2813	.3646	.4479	.5313	.6146	.6979	.7813	.8646	.9479	3/8
7/16	.0365	.1198	.2031	.2865	.3698	.4531	.5365	.6198	.7031	.7865	.8698	.9531	7/16
1/2	.0417	.1250	.2083	.2917	.3750	.4583	.5417	.6250	.7083	.7917	.8750	.9583	1/2
9/16	.0469	.1302	.2135	.2969	.3803	.4635	.5469	.6302	.7135	.7969	.8802	.9635	9/16
5/8	.0521	.1354	.2188	.3021	.3854	.4688	.5521	.6354	.7188	.8021	.8854	9688	5/8
11/16	.0573	.1406	.2240	.3073	.3906	.4740	.5573	.6406	.7240	.8073	.8906	.9740	11/16
3/4	.0625	.1458	.2292	.3125	.3958	.4792	.5625	.6458	.7292	.8125	.8958	.9792	3/4
13/16	.0677	.1510	.2344	.3177	.4010	.4844	.5677	.6510	.7344	.8177	.9010	.9844	13/16
7/8	.0729	.1563	.2396	.3229	4063	.4896	.5729	.6563	.7396	.8229	.9063	.9896	7/8
15/16	.0781	.1615	.2448	.3281	.4115	4948	.5781	.6615	.7448	.8281	.9115	.9948	15/16
1	.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167	1.000	1
	0	1	2	3	4	5	6	7	8	9	10	11	

Table IV

USEFUL RELATIONS.

Lineal feet	×.00019	= miles
Lineal yards	×.0006	= miles
Square inches	×.007	= square feet
Square feet	×.111	= square yards
Square yards	×.0002067	= acres
Acres	×4840	= square yards
Cubic inches	×.00058	= cubic feet
Cubic feet	×.03704	= cubic yards
Links	×.22	= yards
Links	×.66	= feet
Feet	×1.5	= links

360° = 21600′ = 1296000″

Radius = arc of 57.2957790°

Arc of 1° (radius = 1) = .017453292

Arc of 1′ (radius = 1) = .000290888

Arc of 1″ (radius = 1) = .000004848

$\pi = 3.141592654$ $\qquad \sqrt{\frac{1}{4}} = 0.564190$

$\frac{\pi}{4} = 0.785398163$ $\qquad \sqrt[3]{\frac{6}{\pi}} = 1.240700982$

$\frac{\pi}{6} = 0.523598776$ $\qquad \pi^2 = 9.869604401$

$\sqrt{\frac{4}{\pi}} = 1.128379167$ $\qquad \frac{1}{\pi^2} = 0.101321184$

$\frac{\pi}{6} = 0.523598776$ $\qquad \sqrt{\pi} = 1.772453851$

$\frac{4.\pi}{3} = 4.188790205$ $\qquad \frac{1}{\pi} = 0.3183099$

Curvature of Earth's surface = about 0.7 feet in 1 mile

Curvature in feet = 0.667 (Dist. in miles)²

Difference between arc and chord length, 0.05 feet in 11½ miles

Probable error of a single observation $= 0.6754\sqrt{\frac{\Sigma v^2}{n-1}}$

Error in chaining of 0.01 feet in 100 feet:

Due to—

1. Length of tape error of 0.01 feet
2. Alignment. One end 1.4 feet out of line
3. Sag of tape at centre of 0.61 feet.
4. Temperature difference of 15°
5. Difference of pull of 15 lbs.

STADIA REDUCTION FORMULÆ.

Horizontal Distance $= R - R \sin^2 a + C \cos a$

Vertical Distance $= R\ \tfrac{1}{2} \sin 2a + C \sin a$

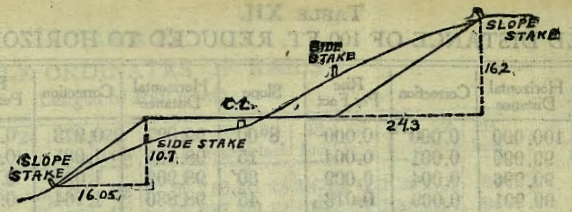
$R = \text{Reading} \times \frac{\text{distance from Object glass to cross hairs}}{\text{distance between cross hairs}}$

C = distance from Object glass to cross hairs + distance from Object glass to center of instrument.

a = angle of elevation for mid Reading

C ° ′	R Feet	I
0–20	17189	
0–40	8594	
1–0	5730	
1–20	4297	
1–40	3438	
2–0	2865	
2–20	2456	
2–40	2149	
3–0	1910	
3–20	1719	
3–40	1563	
4–0	1433	
4–20	1323	1
4–40	1228	1
5	1146	1
6	955.3	1
7	819.0	1

To find leng



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1 65	1 80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3 45	3.60	3 75	3.90	4.05	4.20	4 35	2
3	4.50	4 65	4.80	4.95	5 10	5 25	5 40	5.55	5.70	5.85	3
4	6.00	6 15	6.30	6.45	6.60	6 75	6.90	7.05	7.20	7.35	4
5	7 50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9 00	9 15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10 65	10.80	10.95	11.10	11.25	11.40	11.55	11 70	11.85	7
8	12.00	12 15	12.30	12.45	12.60	12.75	12.90	13 05	13.20	13.35	8
9	13 50	13 65	13 80	13 95	14.10	14.25	14.40	14 55	14.70	14.85	9
10	15.00	15 15	15 30	15 45	15.60	15.75	15.90	16.05	16.20	16 35	10
11	16 50	16 65	16 80	16.95	17 10	17.25	17.40	17.55	17.70	17.85	11
12	18 00	18 15	18.30	18 45	18.60	18 75	18.90	19.05	19.20	19 35	12
13	19 50	19 65	19.80	19.95	20.10	20.25	20 40	20.55	20.70	20.85	13
14	21.00	21 15	21.30	21.45	21 60	21.75	21.90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24 15	24 30	24 45	24.60	24.75	24 90	25 05	25.20	25.35	16
17	25.50	25 65	25.80	25 95	26.10	26 25	26 40	26.55	26.70	26.85	17
18	27.00	27 15	27.30	27 45	27.60	27.75	27.90	28.05	28 20	28.35	18
19	28 50	28 65	28 80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30 00	30 15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31 50	31 65	31.80	31.95	32 10	32 25	32.40	32.55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33.60	33 75	33.90	34.05	34.20	34.35	22
23	34 50	34 65	34.80	34.95	35.10	35 25	35 40	35.55	35.70	35 85	23
24	36 00	36 15	36.30	36 45	36.60	36.75	36.90	37.05	37 20	37.35	24
25	37.50	37.65	37 80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39 00	39 15	39 30	39 45	39 60	39.75	39.90	40.05	40.20	40.35	26
27	40 50	40 65	40 80	40.95	41.10	41.25	41 40	41.55	41.70	41.85	27
28	42 00	42 15	42.30	42.45	42.60	42 75	42.90	43.05	43.20	43.35	28
29	43 50	43 65	43.80	43 95	44.10	44 25	44 40	44.55	44.70	44 85	29
30	45 00	45 15	45.30	45 45	45.60	45.75	45.90	46.05	46 20	46.35	30
31	46.50	46.65	46.80	46 95	47.10	47 25	47.40	47.55	47.70	47.85	31
32	48 00	48.15	48.30	48 45	48.60	48 75	48.90	49.05	49.20	49.35	32
33	49 50	49 65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51 00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52 50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54 00	54 15	54.30	54 45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55 50	55 65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57 00	57.15	57.30	57 45	57.60	57 75	57.90	58.05	58.20	58 35	38
39	58 50	58.65	58 80	58.95	59.10	59 25	59.40	59 55	59.70	59.85	39
40	60 00	60 15	60 30	60 45	60 60	60.75	60 90	61.05	61 20	61.35	40
41	61.50	61 65	61 80	61 95	62 10	62 25	62.40	62 55	62 70	62.85	41
42	63 00	63.15	63 30	63 45	63 60	63 75	63 90	64 05	64 20	64.35	42
43	64.50	64 65	64 80	64.95	65.10	65 25	65 40	65.55	65.70	65.85	43
44	66 00	66 15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67 50	67 65	67 80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69 00	69 15	69 30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70 50	70 65	70 80	70 95	71.10	71.25	71 40	71.55	71.70	71.85	47
48	72.00	72 15	72.30	72.45	72.60	72.75	72.90	73 05	73.20	73 35	48
49	73 50	73 65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.

5.00

3+74.50
50
4+24.50

ENGINEERING DEPARTMENT,
CITY OF SAN DIEGO,
CALIFORNIA.

46.2
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6.75 131 26.2

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3.9

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h.5 at E

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299.91
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1.02
60.00
12.88
72.88
0.81
72.07
12.69
84.71
0.31
84.40
12.75
97.15

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1.79
23.58

97.15
0.21
96.94
12.03
108.97
0.74
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12.34
120.57
1.25
119.32
12.72
132.04
12.60
119.44
4.97
124.41
5.99
118.42
9.88
128.30

7+09.92
7.50
7+17.42
7.50
7+24.92
7.50
7+32.42
7.50
7+39.92