Return to City Engineer's Office
City Hall, San Diego, Cal.

LEVEL BOOK

400

F.B.332

H. S. CROCKER COMPANY

DRAWING MATERIALS AND SURVEYING INSTRUMENTS

SAN FRANCISCO

332

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

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

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City Hall, San Diego, Cal.

LORING & CO., AGENTS
762 FIFTH STREET,
SAN DIEGO, CALIFORNIA

H

TA

	Benchet at Golden Park			
			62.32	SE Cor wall
11.80	71.65		59.85 taken out	Bm Step at 177 Pulls
12.51	83.86	0.30	71.35	
11.98	95.24	0.60	83.26	
12.48	107.31	0.40	94.84	
12.37	119.27	0.41	106.90	
11.22	129.34	1.15	118.12	
12.01	139.01	2.34	127.00	NWH of Lucinda & East Lining
12.08	150.61	0.48	138.53	
12.26	162.38	0.48	150.12	
12.15	174.29	0.24	162.14	
12.18	185.99	0.48	173.81	
12.11	197.80	0.30	185.69	
12.41	209.81	0.40	197.40	
12.03	221.29	0.55	209.26	NEH of Lucinda & Golden Park
12.25	233.12	0.42	220.87	
11.97	244.74	0.35	232.77	
12.31	256.59	0.46	244.28	

	Benches			
—	256.59	—		
11.89	267.72	0.76	255.83	
8.23	275.55	0.40	267.32	NEH Bangor Sucinda
		5.15	270.40	
0.28			127.00	
0.07	115.00	12.35	114.93	
0.05	102.45	12.60	102.40	
0.61	90.73	12.33	90.12	
0.86	79.68	11.91	78.82	
1.49	68.95	12.22	67.46	
		9.08	59.87	✓ Check

Crossection of Sucinda st 50'
Ironton to to Bangor st

1

	0.23	209.49		209.26	BM NE Golden Park
	E Line of Golden Park Ave				
NL			0.2		209.3
bb			1.5		208.0
"			2.1		207.4
b			2.3		207.2
"			3.0		206.5
bb			3.3		206.2
SL			3.5		206.0
	25' E of Golden Park				
SL			6.9		202.6
bb			6.8		202.7
"			6.5		203.0
b			5.7		203.8
"			5.0		204.5
bb			4.5		205.0
NL			3.6		205.9

POSTED

		20949			
	50'	E of	Golden Park		
n l			7,4		202.1
bb			8,3		201.2
y			8,9		200.6
b			9,4		200.1
y			9,8		199.7
bb			10,3		199.2
S l			10,6		198.9
TP	0.05	199.05	10,49	199.00	
	75'	E of	Golden Park		
S l			4,0		195.1
bb			3,3		195.8
y			2,0		197.1
b			1,0		198.1
y			0,7		198.4
bb			0,6		198.5
n l			0,8		199.1

		199.05		Lucanda	
n	100'	E of	Golden Park		
n l			3,4		195.7
bb			4,3		194.8
y			5,2		193.9
b			5,8		193.3
y			6,4		192.7
bb			7,0		192.1
S l			7,3		191.8
	125'	E of	Golden Park		
S l			11,0		188.1
bb			10,3		188.8
y			10,0		189.1
b			9,3		189.8
y			8,9		190.2
bb			9,0		190.1
n l			8,6		190.5
TP	0.31	187.18	1,18	186.87	

		187.18			
	150'	E of	Golden Park		
ns			2.1		185.1
bh			2.7		184.5
y			3.1		184.1
b			3.0		184.2
y			3.0		184.2
bh			3.4		183.8
sl			4.0		183.2
	175'	E of	Golden Park		
sl			8.0		179.2
bh			8.7		178.5
y			9.4		177.8
b			9.0		178.2
y			8.5		178.7
bh			8.2		179.0
ns			8.0		179.2
TP					

		187.18		Lucinda	
	200'	E of	Golden Park		
ns			12.2		175.0
bh			13.0		174.2
y			13.8		173.4
bh			14.5		172.7
y			14.8		172.4
bh			15.0		172.2
sl			14.4		172.8
TP	0.17	174.59	12.76	174.42	
	225'	E of	G P		
sl			8.2		166.0
bh			8.7		165.2
y			8.0		166.6
b			7.8		166.8
y			7.1		167.5
bh			6.1		168.5
ns			5.4		169.2

		17459			
	250'	E of	Golden Park		
n2			11.5		163.1
bb			12.3		162.3
y			12.8		161.8
b			13.6		161.0
y			14.0		160.6
bl			14.8		159.8
S2			15.5		159.1
TP	0.24	162.37	12.46	162.13	
	275'	E of	G-P		
S2			8.0		154.4
bb			7.6		154.8
y			7.4		155.0
b			7.0		155.4
y			6.6		155.8
bl			6.1		156.3
n2			5.1		157.3

		162.37		Luanda	
	300'	E of	Golden Park		
n2			10.6		151.8
bb			11.3		151.1
y			11.7		151.0
b			12.4		150.0
y			12.4		150.0
bl			12.8		149.6
S2			13.2		149.2
TP	0.87	150.28	12.98	149.29	
	325	E of	G-P		
S2			6.0		144.3
bb			6.2		144.1
y			5.8		144.5
b			5.2		145.1
y			4.7		145.6
bl			3.8		146.5
n2			3.1		147.2

		150.26			
	350'	E of	Golden	Park	
NL			7,7		142.6
bb			8,6		141.7
"			9,1		141.2
b			9,6		140.7
"			10,3		140.0
bb			10,9		139.4
SL			11,2		139.1
TP	0.94	140,10	11,0	139.16	
	375'	E of	G-P		
SL			6,0		134.1
bb			6,3		133.8
"			5,6		134.5
b			4,5		135.6
"			5,0		135.1
bb			5,4		134.7
NL			4,0		136.1
TP	00	127,00	13,10	127.00 Sh	

		127.00			
	404'	E = W Line of	Spathe		
NL			0,0		127.0
bb			1.1		125.9
"			2,0		125.0
b			3,2		123.8
"			3,5		123.5
bb			5,0		122.0
SL			6,0		121.0

	12.12	221.38		209.26	Bm Golden Pa + Lucinda
	Ebb of Golden Park				
NL			10,8	210.6	
bb			12,0	209.4	
"			12,6	208.8	
b			13,0	208.4	
"			13,3	208.1	
bl			13,6	207.8	
SL			14,5	206.9	
	E. 1/4 of G-P				
SL			12,8	208.6	
bb			12,4	209.0	
"			11,9	209.5	
b			11,4	210.0	
"			10,5	210.9	
bl			10,2	211.2	
NL			9,3	212.1	

		221.38	Lucinda		
	Center of Golden Park				
NL			7,7		213.7
bb			9,5		211.9
"			9,9		211.5
b			10,5		210.9
"			10,9		210.5
bl			11,3		210.1
SL			11,6		209.8
	W 1/4 of Golden Park				
SL			10,1		211.3
bb			10,0		211.4
"			9,5		211.9
b			9,0		212.4
"			8,1		213.3
bl			7,6		213.8
NL			6,5		214.9

POSTED

		221.38			
	W bk of Golden Park				
NL			4,7		216.7
bk			5,5		215.9
4			6,9		214.5
6			7,4		214.0
4			7,8		213.6
bk			8,4		213.0
SL			8,3		213.1
	WL of Golden Park				
SL			6,6		214.8
bk			6,7		214.7
7			6,0		214.4
6			5,9		215.5
4			4,8		216.6
bk			3,8		217.6
NL			2,9		218.5
TP	11,83	231.18	2,08	219.35	

		231.18			
	25' W of Golden Park				
NL			7,5		223.7
bk			9,3		221.9
4			10,1		221.1
6			10,7		220.5
4			11,2		220.0
bk			11,4		219.8
SL			11,3		219.9
	50' S of Golden Park				
SL			7,3		223.9
bk			6,8		224.4
4			6,0		225.2
6			5,2		226.0
4			4,5		226.7
bk			4,2		227.0
NL			3,0		228.2
TP	11,09	241.64	0,63	230.55	

		241.64			
	75'	W of	Golden	Park	
NL			9.6		232.0
bb			10.3		231.3
y			10.8		231.8
b			11.1		230.5
y			11.6		230.0
bb			11.9		229.7
SL			11.9		229.7
	100'	W of	G-P		
SL			7.1		234.5
bb			6.9		234.7
y			6.7		234.9
b			5.8		235.8
y			5.6		236.0
bb			5.4		236.2
NL			4.9		236.7

		241.64		Lucerne	
	125'	W of	Golden	Park	
NL			0.0		241.6
bb			0.8		240.8
y			1.3		240.3
b			1.8		239.8
y			2.2		239.4
bb			2.8		238.8
SL			2.9		238.7
TP	11.92	253.18	0.38	241.26	
	150'	W of	G-P		
SL			9.3	243.9	
bb			9.2	244.0	
y			8.9	244.3	
b			8.7	244.5	
y			8.0	245.2	
bb			7.6	245.6	
NL			7.0	246.2	

		253.18		
	175'	W of	Golden	Park
NL			3,7	249.5
bb			4,0	249.2
"			4,0	249.2
b			4,2	249.0
"			4,0	249.2
bb			4,0	249.2
SL			4,2	249.0
	200	W of	G-P	
SL			2,0	251.2
bb			1,8	251.4
"			1.6	251.6
TP	12,93	26462	1,49	251.69
b			13,0	251.6
"			12,7	251.9
bb			11,9	252.7
NL			11,7	252.9

		26462		Lucinda	
	225	W of	Golden	Park	
NL			9,2		255.4
bb			9,3		255.3
"			9,1		255.5
b			9,0		255.6
"			8,8		255.8
bb			8,7		255.9
SL			8,3		256.3
	250	W of	G-P		
SL			6,2		258.2
bb			6,0		258.6
"			6,2		258.4
b			6,3	POSTED	258.3
"			6,1		258.5
bb			6,4		258.2
NL			6,0		258.6

		264.62			
	275'	W of	Golden	Park	
NL			3,4		261.2
bb			2,9		261.7
y			2,9		261.7
b			3,0		261.6
y			3,3		261.3
bb			3,2		261.4
SL			2,5		262.1
TP	11,56	275.67	0,51	64.11	
	300'	W of	G- P-		
SL			10,7		265.0
bb			10,7		265.0
y			10,6		265.1
b			11,2		264.5
y			11,2		264.5
bb			11,3		264.4
NL			10,8		264.9

		275.67		Lucinda	
	325'	W of	Golden	Park	
NL			7,7		268.0
bb			7,5		268.2
y			7,4		268.3
b			7,2		268.5
y			7,0		268.7
bb			7,0		268.7
SL			6,7		269.0
	350'	W of	G- P-		
SL			5,2		270.5
bb			5,7		270.0
y			5,7		270.0
b			5,6		270.1
y			5,7		270.0
bb			5,7		270.0
NL			5,9		269.8

POSTED

		275.67			
	375'	W of Golden Park			
NL			5.2		270.5
bb			5.1		270.6
"			5.0		270.7
b			5.0		270.7
"			4.8		270.9
bb			4.7		271.0
SL			4.5		271.2
	400'	W = E Line Bangor			
SL			5.0		270.7
bb			5.0		270.7
"			5.0		270.7
b			5.2		270.5
"			5.2		270.5
bb			5.2		270.5
NL			5.31	27040 27036	Bm

Crossection of Bangor St 60'
S End to N End
275.67

	140' S of Lucinda = S End				
EL			4.2		271.5
bb			4.1		271.6
"			4.0		271.7
b			4.1		271.6
"			4.1		271.6
bb			4.1		271.6
NL			4.2		271.5
	100' S of Lucinda				
NL			4.7		271.0
bb			4.7		271.0
"			4.8		270.9
b			4.8		270.9
"			4.7		271.0
bb			5.0		270.7
EL			5.0		270

POSTED

		275.67			
	50'	S of	Lucinda		
EL			5,6		270.1
bb			5,9		269.8
y			6,0		269.7
b			6,0		269.7
y			6,2		269.5
bb			6,2		269.5
WL			6,2		269.5
	S L of Lucinda at (50')				
WL			7,3		268.4
bb			7,0		268.7
y			6,5		269.2
b			6,2		269.5
y			5,7		270.0
bb			5,4		270.3
EL			5,0		270.7

		275,67		Bangor	
	S bb of Lucinda				
EL			5,0		270.7
bb			5,4		270.6
y			5,6		270.1
b			6,2		269.5
y			6,6		269.1
bb			6,9		268.8
WL			7,1		268.6
	S 1/4 of Lucinda				
WL			7,1		268.6
bb			6,9		268.8
y			6,5		269.2
b			6,2		269.5
y			5,8		269.9
bb			5,4		270.3
EL			5,1		270.6

275-67.

Center of Lucinda

El	5,2	270.5
bl	5,4	270.3
y	5,8	269.9
b	6,3	269.4
y	6,4	269.3
bl	6,8	268.9
Wl	6,9	268.8

N 1/4 of Lucinda

Wl	6,6	269.1
bl	6,5	269.2
y	6,3	269.4
b	6,0	269.7
y	5,7	270.0
bl	5,3	270.4
El	5,2	270.5

275-67 Bangor

N. bl of Lucinda

El	5,2	270.5
bl	5,5	270.2
y	5,7	270.0
b	6,3	269.4
y	6,4	269.3
bl	6,6	269.1
Wl	7,0	268.7

N El of Lucinda

Wl	6,7	269.0
bl	6,5	269.2
y	6,1	269.6
b	6,0	269.7
y	5,7	270.0
bl	5,5	270.2
El	5,8	270.4

		275.67			
	50'	n of	Lucanda		
E2			6.1		269.6
bb			6.2		269.5
y			6.4		269.3
b			6.7		269.0
y			6.9		268.8
bb			7.0		268.7
W2			7.3		268.4
	100'	n of	Lucanda		
W2			8.6		267.1
bb			8.2		267.5
y			8.1		267.6
b			8.0		267.7
y			7.8		267.9
bb			7.5		268.2
E2			7.4		268.3
TP	1.86	269.95	7.58	268.09	

		269.95		Banyan	
	150'	n of	Lucanda		
E2			3.4		266.5
bb			3.6		266.4
y			3.8		266.2
b			4.0		265.9
y			3.7		266.3
bb			4.0		266.0
W2			4.0		265.9
	Intersection of Banyan + Short St				Page 29
	200	n of	Lucanda		
W2			6.1		263.8
bb			6.1		263.9
y			5.8		264.2
b			6.0		263.9
y			5.5		264.5
bb			5.7		264.3
E2			5.6		264.3

POSTED

		269.95			
	250'	N of	Lucinda		
EL			8,3		261.6
bb			8,0		262.0
"			7,9		262.1
b			7,8		262.2
"			8,0		262.0
bb			7,6		262.4
WL			8,3		261.6
	295'	N = S L	Rice St (50')		
WL			10,7		259.2
bb			10,5		259.5
"			10,6		259.4
b			10,7		259.2
"			10,8		259.1
bb			11,1		258.8
EL	2,31	260.98	11,28	258.67	BM SE 4 Rice St + Bangor

		260.98		Bangor	
	S bb of Rice St (50')				
EL			4,0		257.0
bb			3,0		258.0
"			2,4		258.6
b			2,3		258.7
"			2,2		258.8
b			2,2		258.8
WL			2,3		258.7
	S 1/4 of Rice St				
WL			3,0		258.0
bb			3,0		258.0
"			2,8		258.2
b			3,2		257.8
"			3,6		257.4
bb			4,3		256.7
EL			5,4		255.6

26098

center of Rice st

El		6,7	254.3
bb		5,3	255.7
y		4,2	256.8
b		3,7	257.3
y		3,5	257.5
bb		3,6	257.4
Wl		3,5	257.5

n ½ of Rice st

Wl		4,9	256.1
bb		4,8	256.2
y		4,6	256.4
b		4,7	256.3
y		5,5	255.8
bb		6,4	254.6
El		7,6	253.4

26098 Bangor st

n bb of Rice st

El		8,3	252.7
bb		6,9	254.1
y		5,8	255.2
b		5,4	255.6
y		5,2	255.8
bl		5,4	255.6
Wl		5,8	255.2

n bl of Rice st

Wl		7,1	253.9
bb		7,0	254.0
y		7,2	253.8
b		6,8	254.2
y		7,7	253.3
bl		8,3	252.7
El		9,7	251.8

POSTED

		26098			
	25'	N of	Rice st		
EL			12,8		248.2
bb			12,3		248.7
"			12,0		249.0
b			12,2		248.8
"			12,0		249.0
bb			11,8		249.2
WL			11,2		249.8
TP	161	25022	12,37	248.61	
	50'	N of	Rice st		
WL			3,2		247.0
bb			3,3		246.9
"			3,5		246.6
b			4,0		246.2
"			4,2		246.0
bb			4,4		245.8
EL			4,3		245.9

		25022		Bangor	
	75'	N of	Rice	st	
EL			6,2		244.0
bb			6,1		244.1
"			6,1		244.1
b			5,5		244.7
"			5,2		245.0
bb			5,4		244.8
WL			5,1		245.1
	100'	N of	Rice	st.	
WL			6,0		244.2
bb			6,0		244.2
"			6,1		244.1
b			6,6		243.6
"			6,6		243.6
bb			7,0		243.2
EL			7,5		242.7

		250.22			
	125'	n of	River st		
E2			8.2		242.0
bb			7.7		242.5
y			7.2		243.0
b			7.3		242.9
y			7.0		243.2
bb			7.0		243.2
W2			7.0		243.2
	150'	n of	River st		
W2			10.0		240.2
bb			9.2		241.0
y			9.2		241.0
b			9.0		241.2
y			9.3		240.9
bb			9.0		241.2
E2			8.4		241.8
TP	0.62	242.03	8.81	241.41	

		242.03		Bangor	
	175'	n of	River st		
E2			4.3		237.7
bb			4.0		238.0
y			4.0		238.0
b			4.4		237.6
y			5.1		236.9
bb			6.5		235.5
W2			8.4		233.6
	200'	n of	River st		
W2			12.0		230.0
bb			11.0		231.0
y			10.5		231.5
b			9.5		232.5
y			9.0		233.0
bb			9.5		232.5
E2			9.3		232.7

Bank drops off 200' in 130' from here

POSTED

Crossection of Rice st (50')
E Line of Bangor to Trenton

	0,82	25949		25867	BMSE Rice & Bang
	E Line of		Bangor		
SL			0,8		258.7
bb			2,6		252.9
4			4,0		255.5
6			5,2		254.3
4			6,0		253.5
bb			6,8		252.7
NL			7,7		251.8
	25'	E of	Bangor		
NL			10,3		249.2
bb			9,1		250.4
4			8,1		251.4
6			7,6		251.9
4			6,4		253.1
bb			4,5		255.0
SL			1,8		257.7

POSTED

25949 Rice st

	50'	E of	Bangor		
SL			2,8		256.7
bb			5,5		254.0
4			7,2		252.3
6			8,8		250.7
4			9,2		250.3
bb			10,0		249.5
NL			10,4		249.1
	75'	E of	Bangor		
NL			11,0		248.5
bb			10,1		249.4
4			9,1		250.4
6			8,0		251.5
4			6,2		253.3
bb			5,2		254.3
SL			4,1		255.4

POSTED

25949

	100'	E of	Bangor st	
SL			5.2	254.3
bb			6.3	253.2
y			6.5	253.0
b			7.7	251.8
y			8.8	250.7
bb			10.1	249.4
NL			11.1	248.4
	125'	E of	Bangor st	
NL			10.3	249.2
bb			9.2	250.2
y			8.8	250.7
b			8.1	251.4
y			7.0	252.5
bb			6.8	252.7
SL			6.0	253.5

25949 Rice st

	150'	E of	Bangor st	
SL			7.2	252.3
bb			7.4	252.1
y			7.5	252.0
b			8.3	251.2
y			9.1	250.4
bb			10.5	249.0
NL			10.7	248.8
TP	2.98	25179	10.68	24881
	175'	E of	Bangor	
NL			3.9	247.9
bb			3.3	248.5
y			2.4	249.4
b			2.0	249.8
y			1.8	250.0
bb			1.8	250.0
SL			1.0	250.8

		251.79			
	200'	E of	Bangor		
SL			3,4		248.4
bb			4,0		247.8
y			3,7		248.1
b			4,0		247.8
y			4,3		247.5
bl			4,6		247.2
NL			5,2		246.6
	225'	E of	Bangor st		
NL			7,0		244.8
bb			6,8		245.0
y			6,6		245.2
b			6,5		245.3
y			6,5		245.3
bl			6,4		245.4
SL			6,3		245.5

		251.79		Rice st	
	250'	E of	Bangor		
SL			8,4		243.4
bb			8,9		242.9
y			8,5		243.3
b			8,8		243.0
y			8,8		243.0
bl			9,0		242.8
NL			9,3		242.5
	275'	E of	Bangor st		
NL			11,7		240.1
bb			11,4		240.4
y			11,1		240.7
b			10,7		241.1
y			11,1		240.7
bl			11,0		240.8
SL			10,5		241.3
TP	1,30	240.77	12,32	239.47	

24077

	300'	E of	Bangor		
SL			1,4		239.4
bb			2,0		238.8
y			2,2		238.6
b			2,3		238.5
y			2,7		238.1
bb			3,0		237.8
NL			3,0		237.8
	325'	E of	Bangor		
NL			5,0		235.8
bb			5,2		235.6
y			5,0		235.8
b			4,8		236.0
y			4,5		236.3
bb			4,8		236.0
SL			4,4		236.4

24077 Recd

	350'	E of	Bangor		
SL			7,4		233.4
bb			7,8		233.0
y			8,0		232.8
b			8,4		232.4
y			8,4		232.4
bb			8,9		231.9
NL			9,0		231.8
	375'	E			
NL			12,5		228.5
bb			12,2		228.8
y			12,0		228.8
b			12,2		228.6
y			12,0		228.8
bb			12,1		228.7
SL			12,0		228.8
TP	086	229.93	11,70	229.07	

POSTED

		229.93			
	400' E = W S of Golden Park (60')				
SL			5,0		224.9
Cb			5,2		224.7
"			5,4		224.5
C			5,4		224.5
"			5,3		224.6
Cb			5,5		224.4
NL			5,5		224.4
	W Cb of Golden Park				
NL			7,5		222.4
Cb			7,3		222.6
"			6,9		223.0
C			6,9		223.0
"			6,6		223.3
Cb			5,8		224.1
SL			5,8		224.1

		229.93		Rice St	
	W 1/4 of Golden Park				
SL			6,8		223.1
Cb			6,8		223.1
"			7,9		222.0
C			8,0		221.9
"			8,5		221.4
Cb			9,1		220.8
NL			9,0		220.9
	Center of Golden Park				
NL			11,0		218.9
Cb			10,8		219.1
"			10,1		219.8
C			9,7		220.2
"			9,4		220.5
Cb			8,8		221.1
SL			8,6		221.3

22993

E ¼ of Golden Park

SL			9,9		220.0
bb			10,6		219.3
y			11,4		218.5
b			11,2		218.7
y			11,8		218.1
bb			12,6		217.3
NL			12,8		217.1
TP	1,23	21963	11,53	218,40	

E bb of G. P.

NL			4,0		215.6
bb			4,0		215.6
y			3,2		216.4
b			2,8		216.8
y			2,8		216.8
bb			2,0		217.6
SL			1,4		218.2

21963 Rice

E L of Golden Park

SL			3,2		216.4
bb			3,7		215.9
y			4,8		214.8
b			4,7		214.9
y			5,2		214.4
bb			5,4		214.2
NL			5,7		213.9
TP	0.35	20731	12,67	206,92	

50' E of Golden Park

NL			4,8		202.5
bb			4,6		202.7
y			2,7		204.6
b			2,4		204.9
y			2,5		204.8
bb			1,5		205.8
SL			0,8		206.5

POSTED

207.31

90' E of Golden Park = W line of Colina St (50')

SL			7.7		199.6
bb			7.8		199.5
"			8.5		198.8
b			9.0		198.3
"			9.6		197.7
bb			10.4		196.9
NL			10.6		196.7
	W bb of Colina St				
NL			12.6		195.7
bb			12.0		195.3
"			11.0		196.3
b			10.3		197.0
"			10.0		197.3
bb			9.5		197.8
SL			9.5		197.8

207.31 Rice St

W 1/4 of Colina St

SL			11.0		196.3
bb			11.3		196.0
"			11.7		195.6
b			12.2		195.1
"			12.6		194.7
bb			12.8		194.5
NL			13.0		194.3
TP	1.35	195.80	12.86	194.45	
	Center of Colina St				
NL			2.7		193.1
bb			2.5		193.3
"			2.3		193.5
b			2.1		193.7
"			1.5		194.3
bb			1.4		194.4
SL			1.4		194.4

195-80

E ½ of Colima st

SL	3.4	192.4
bb	3.5	192.3
"	3.8	192.0
b	3.5	192.3
"	4.0	191.8
bb	4.8	191.0
NL	4.8	191.0

E bb of Colima st

NL	5.6	190.2
bb	5.8	190.5
"	4.6	191.2
b	4.3	191.5
"	4.4	191.4
bb	4.5	191.3
SL	4.6	191.2

E line of Colima st

SL	5.3	190.5
bb	5.3	190.5
"	5.3	190.5
b	5.4	190.4
"	5.4	190.4
bb	5.8	190.0
NL	6.3	189.5

195-80 Rice st

150' E of Golden Park

SL	7.2	188.6
bb	7.0	188.8
"	7.0	188.8
b	7.4	188.4
"	7.7	188.1
bb	7.7	188.1
NL	7.6	188.2

175' E of Golden Park

NL	12.0	183.8
bb	12.8	183.8
"	11.8	184.0
b	11.8	184.0
"	11.8	184.0
bb	11.6	184.2
SL	12.0	183.8
TP	0.27	184.15 11.27 183.88

POSTED

		184.15			
	200' E of Golden Park				
SL			5.8		178.4
bb			5.8		178.4
"			5.8		178.4
b			5.8		178.4
"			5.8		178.4
bb			5.8		178.4
NL			5.8		178.4
	225' E of Golden Park				
NL			11.0		173.2
bb			11.7		172.5
"			11.6		172.6
b			11.6		172.6
"			11.2		173.0
bb			10.8		173.4
SL			11.0		173.2
TP	0.05	172.68	11.52	172.63	

		172.68		Rice	
	250' E of Golden Park				
SL			6.0		166.7
bb			6.0		166.7
"			5.8		166.9
b			5.8		166.9
"			5.4		167.3
bb			5.0		167.7
NL			5.1		167.6
	275' E of Golden Park				
NL			11.7		161.3
bb			12.0		160.7
"			12.6		160.1
b			13.0		159.7
"			13.4		159.3
bb			13.6		159.1
SL			13.2		159.5
TP	0.20	160.78	12.10	160.58	

160.78

300' E of Golden Park

SL	8.2	152.6
bb	7.0	153.8
y	6.2	154.6
b	5.6	155.2
y	5.0	155.8
bb	4.6	156.2
NL	3.8	157.0

325' E of G-P

NL	3.3	157.3
bb	4.4	156.4
y	6.0	154.8
b	7.1	153.7
y	9.0	151.8
bb	10.5	150.3
SL	12.0	148.8

160.78 Rec'd

350' E of Golden Park

SL	10.3	150.5
bb	8.2	152.6
y	6.9	153.9
b	5.5	155.3
y	4.1	156.7
bb	3.4	157.4
NL	2.6	158.2

375' E of G-P

NL	5.8	155.0
bb	5.8	155.0
y	6.0	154.8
b	7.0	153.8
y	8.0	152.8
bb	9.1	151.7
SL	10.9	149.9

POSTED

		160,78			
	402,5' E = W L of Spathic st				
SL			13,3		147.5
bb			12,3		148.5
"			11,9		148.9
b			11,1		149.7
"			10,8		150.0
bL			10,5		150.3
NL			10,7		150.1
TP	0,68	150,63	10,83	149.95	Monument Center Rice N L Spathic
	0,08	140,50	10,37	140,26	?
			13,58	✓	

POSTED

Intersection of Short st (60')
& Bangor st (60)

	3,26	271,35		268,09	TP 100' N of Lucinda
	162' N of Lucinda = S L of Short st (60')				
EL			5,7		265.7
bb			5,4		266.0
"			5,6		265.8
b			5,6		265,8
"			5,4		266.0
bL			5,7		265.7
NL			5,9		265.5
	S bb of Short st				
NL			6,2		265,2
bb			6,0		265.4
"			6,1		265.3
b			6,0		265,4
"			5,9		265.5
bL			5,9		265.5
EL			6,0		265,4

POSTED

27135

S ¼ of Short st

El	6,4	265.0
bb	6,1	265.3
"	6,3	265.1
b	6,6	264.8
y	6,6	264.8
bl	6,4	265.0
WL	6,6	264.8

center of Short st

WL	6,8	264.6
bb	6,9	264.5
y	6,9	264.5
b	7,2	264.2
y	6,8	264.6
bl	6,7	264.7
El	6,8	264.6

27135 Bangor st

N ¼ of Short st

El	7,3	264.1
bb	7,1	264.3
y	7,3	264.1
b	7,5	263.9
y	7,2	264.2
bl	7,4	264.0
WL	7,6	263.8

N bb of Short st

WL	8,5	263.1
bb	8,2	263.2
y	8,1	263.3
b	7,9	263.5
y	8,0	263.4
bl	7,8	263.6
El	7,5	263.9

POSTED

27135

N Line of Short St

EL			8,2		263.2
bb			8,2		263.2
4			8,2		263.2
6			8,2		263.2
4			8,3		263.1
bb			8,3		263.1
WL			8.5		262.9

POSTED

Crossection of Golden Park St (60')
S Line to SL of Rice St

	6.96	216.22		209.26	BM NEH Lucinda + Golden Park

S Line of Golden Park = 140' S of Lucinda

EL			12,6	203.6	
bb			11,0	205.2	
4			9,2	207.0	
6			7,0	209.2	POSTED
4			5,2	211.0	
bb			3,2	213.0	
WL			1.5	214.7	

100' S of Lucinda

WL			0,6	215.6	
bb			1,5	214.7	
4			4,3	211.9	
6			6,8	209.4	
4			8,7	207.5	
bb			10,7	205.5	
EL			12,7	203.5	

216.22

50' S of Lucinda

E2			13.0	203.2
bb			11.0	205.2
"			9.4	206.8
b			8.2	208.0
"			6.0	210.2
bb			3.8	212.4
W2			1.5	214.7

S lin of Lucinda st 50'

W2			1.3	214.9
bb			3.2	213.0
"			4.9	211.3
b			6.4	209.8
"			7.7	208.5
bb			9.0	207.2
E2			10.2	206.0
TP	12.60	22.86	6.98	209.26

221.86 Golden Park

N lin of Lucinda st

E2			12.6	209.3
bb			11.3	210.6
"			9.8	212.1
b			8.4	213.5
"			7.0	214.9
bb			5.2	216.7
W2			3.3	218.6

50' N of Lucinda

E2			7.8	214.1
bb			5.4	216.5
"			3.7	218.2
b			1.9	220.0
TP	10.20	22.91	2.15	219.71
"			8.41	221.5
bb			6.8	223.1
W2			5.5	224.4

		229.91		
	100'	N of	Lucinda	
WL			2,4	227,5
bb			4,2	225.7
"			5,7	224.2
b			7,7	222,2
"			9,9	220.0
bb			11,0	218.9
EL			12,7	217.2
	150'	N of	Lucinda	
EL			12,0	217.9
bb			9,8	220.1
"			9,0	220.9
b			7,0	222.9
"			5,0	224.9
bb			3,2	226.7
WL			1,7	228.2

		229.91		Golden Park
	200'	N of	Lucinda	
WL			1,6	228.3
bb			3,5	226.4
"			5,5	224.4
b			7,5	222,4
"			9,6	220.3
bb			10,7	219.2
EL			12,6	217,3
	250'	N of	Lucinda	
EL			13,0	216.9
bb			11,1	218.8
"			9,6	220.3
b			7,2	222,7
"			5,3	224.6
bb			4,0	225.9
WL			2,8	227,1

POSTED

		22991		
	295'	n =	SL of	Rice st
WL			4,8	225,1
bb			5,7	224.2
"			6,8	223.1
b			8,4	221.5
"			9,8	220.1
bb	POSTED		11,5	218.4
EL			13,6	216.3

Crossection of Spathic st (30')

SL of Golden Park to N line of Rice st

	SL of	Golden	Park	
	0.06	127.06		127.00 Bm
WL			7,0	120.1
10' E			10,7	116.4
20' E	POSTED		13,0	114.1
EL			15,7	111.4
	40' n = 100' S of Sucinda			
EL			12,3	114.8
10' W			10,0	117.1
20' W			7,8	119.3
WL			5,6	121.5
	75' S of Sucinda			
WL			4,6	122.5
10' E			7,6	119.5
20' E			10,5	116.6
EL			13,2	113.9

12.7.06

	50' S of Lucinda		
E2		15.2	111.9
10' W		11.8	115.3
20' W		9.0	118.1
W2		5.6	121.5
	25' S of Lucinda		
W2		6.3	120.8
10' E		10.3	116.8
20' E		14.4	112.7
E2		17.7	109.4
	S 2 of Lucinda at (50')		
E2		14.4	112.7
10' W		12.4	114.7
20' W		9.4	117.7
W2		6.1	121.0
	S bb of Lucinda		
W2		5.0	122.1
10' E		8.0	119.1
20' E		10.2	116.9
E2		11.4	115.7

12.7.06 Sparks

E2	S 1/4 of Lucinda		
E2		10.0	117.1
10' W		8.8	118.3
20' W		6.8	120.3
W2		4.3	122.8
	Center of Lucinda		
W2		3.6	123.5
10' E		5.8	121.3
20' E		7.0	120.1
E2		7.8	119.3
	N 1/4 of Lucinda		
E2		6.3	120.8
10' W		5.7	121.3
20' W		4.3	122.8
W2		2.5	124.6
	N bb of Lucinda		
W2		1.5	125.6
10' E		2.7	124.4
20' E		4.0	123.1
E2		4.4	122.7

		127.06		
	N Line of Lucinda			
E L			3,0	124,1
10' W			2,6	124.5
20' W			1,4	125.7
W L			0,0	127.1
T P	12,00	139.40	0,06	127.00
	50'	N of Lucinda		
W L			7,2	132,2
10' E			8,1	131.3
20' E			8,9	130.5
E L			9,2	130,2
	100'	N of Lucinda		
E L			7,5	131,9
10' W			6,2	133.2
20' W			5,2	134.2
W L			3,8	135.6

		139.40		Spathic
	150'	N of Lucinda		
W L			0,8	138.6
10' E			3,3	136.1
20' E			5,2	134.2
E L			6,6	132,8
	175'	N of Lucinda		
E L			12,0	127.4
10' W			9,5	129.9
20' W			7,0	132.4
W L			4,5	134,9
T P	2,00	135.07	6,33	133.07
	200'	N of Lucinda		
W L			9,4	125.7
10' E			11,4	123.7
20' E			12,6	122.5
E L			13,7	121,4

		135.07		
	225'	n of Lucinda		
EL			8,5	126.6
10' W			7,0	128.1
20' W			5,0	130.1
WL			3,5	131.6
TP	12.65	146.42	1,30	133.77
	250	n of Lucinda		
WL			8,0	138.4
10' E			8,8	137.6
20' E			10,6	135.8
EL			12,7	133.7
	295'	n = S L of Rice st (50')		
EL			3,5	142.9
10' W			2,0	144.4
20' W			0,5	145.9
TP	6.87	152.65	0,64	145.78
WL			5,2	147.5

		152.65		Spathic
	S Cl of Rice st			
WL			4,0	148.7
10' E			5,5	147.2
20' E			6,5	146.2
EL			8,4	144.3
	S ¼ of Rice st			
EL			7,7	145.0
10' W			6,2	146.5
20' W			5,1	147.6
WL			3,3	149.4
	Center of Rice st			
WL			2,6	150.1
10' E			4,4	148.3
20' E			6,0	146.7
EL			7,5	145.2

POSTED

		15265		
	N 1/4 of Rice st			
EL			7,2	145.5
10' W			5,8	156.9
20' W			4,7	148.5
WL			2,5	150.2
	N bb of Rice st			
WL			2,2	150,5
10' E			4,0	148.7
20' E			5,6	147.1
EL			7,0	145.4
	N L of Rice st			
EL			7,6	145.1
10' W			6,0	146.7
20' W			4,0	148.7
WL			2,4	150.3

POSTED

Crossection of Colina St (50')
N L of Rice st to

	8,23	20268		194.45
	N L of Rice st			
WL			6,3	196.4
bb			8,0	194.7
"			8,3	194.4
b			8,3	194.4
"			11,4	192.3
bb			12,0	190.7
EL			13.4	189.3
	25' N of Rice st			
EL			13,3	189.4
bb			11,7	191.0
"			10,5	192.2
b			8,3	194,4
"			7,8	194.9
bb			6,3	196.4
WL			5,5	197.2

POSTED

FP W 1/4 of Colina

202.68

	50'	n of Rice st	
wl		5,2	197.5
bb		7,6	195.1
y		8,0	194.7
b		8,6	194,1
y		11,3	191.4
bb		12,6	190.6
El		14,0	188.7
	75'	n of Rice st	
El		13,3	189.4
bb		11,0	191.7
y		9,3	193 4
b		7,7	195.0
y		7,7	195.0
bb		5,4	197.3
wl		3,7	199 0

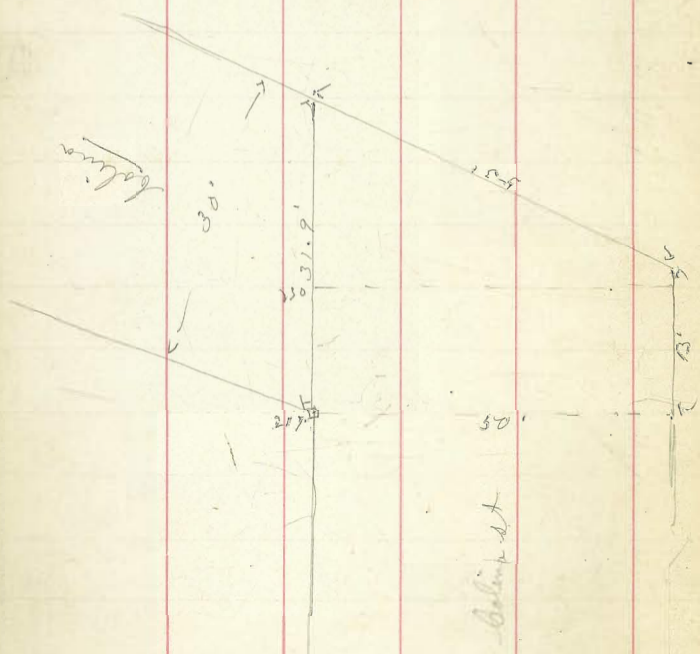
202.68 Colina st

	100'	n of Rice st	
wl		2,7	200,0
bb		4,4	198.3
y		7,5	195.2
b		7,5	195,2
y		9,2	193.5
bb		10,9	191.8
El		12,0	190,7
	125'	n of Rice st	
El		12,9	189.8
bb		10,8	191.9
y		8,7	194.0
b		8,6	194,1
y		8,2	194.5
bb		5,1	197 6
wl		3,7	199,0

		202.68		
	150'	N of	Rice	
WL			6,3	196.4
bb			7,8	194.9
"			9,9	192.8
b			9,9	192.8
"			11,4	191.3
bb			13,4	189.3
EL			15,0	187.7
TP	4,07	196.29	104.6	192.22
	175'	N of	Rice	st
EL			11,0	185.3
bb			8,8	187.5
"			6,2	190.1
b			5,2	191.1
"			5,1	191.2
bb			2,8	193.5
WL			1,4	194.9

		196.29		Colina st	
	200'	N of	Rice	st	
WL			2,2	194.1	
bb			4,2	192.1	
"			6,3	190.0	
b			6,8	189.5	
"			7,0	189.3	
bb			9,4	186.9	
EL			12,0	184.3	
	217'	N = angle point on WL			
EL			15,4	180.9	
bb			12,0	184.3	
"			9,6	186.7	
b			7,8	188,5	
"			7,4	188.9	
bb			5,0	191.3	
WL			3,8	192,5	
TP			3,74	192,55	Bm [illegible] SW angle at Colina

POSTED



Colina

230' n = angle Point in E L

H at angle

	0.12	192.67		192.55
WL			3.0	189.7
bb			4.8	187.9
"			4.8	187.9
b			5.0	187.7
"			7.8	184.9
bb			11.6	181.1
EL			13.3	179.4

230 on East
248.9 on West } = n Line of Colina

EL			13.3	179.4
bb			12.2	180.5
"			10.4	182.3
b			7.7	185.0
"			6.0	186.7
bb			5.7	187.0
WL			5.7	187.0

Colima St is 30' wide W of its angle

192.67

W Line of Colima St 2

S L = 217' n of Rice	0.1	192.6
10' n	2,0	190.7
15.95 n = Corte	4,7	188.0
21 9 n	5,0	187.7
31,9 n = n L = 24,89 n of Rice	5,8	186.9
30 S, 25 b, 20 n } W of Colima angle		
n L	8,3	184.4
10' S	6,7	186.0
20' S	3,0	189.7
S L	+1,2	193.9
50' W of angle		
S L	0,0	192,7
10' n	7,3	185.4
+ 5 b	9,0	183.7
20' n	9,0	183.7
+ 4	9.0	183.7
n L	13,0	179.7

192.67 Colima

75' W of its angle

S L		+1,3	194.0
10' n		4,7	188 0
Lista		11,0	181,7
20' n		11,0	181 7
TP	6,52	18856	10.63	182.04
n L		14,0	177.6
100' W of its angle			
n L		13,5	175.1
10' S		9,0	179.6
b		8,6	180,0
20' S		4,5	184.1
S L		+1.6	190.2
125' W of its angle			
S L		+1.2	189.8
10' n		5,5	183.1
b		9,7	178.9
20' n		9,2	179 3
n L		14.1	174,5

		188.56		
	150'	W of	the angle	
NL			16.0	172.6
10'S			11.0	177.6
b			11.0	177.6
20'S			10.5	178.1
SL			2.6	186.0
	+25 cm S 177' W +29 cm N		2nd angle	
SL			5.5	183.1
5'N			11.3	177.3
10'N			11.2	177.4
b			11.0	177.6
TP	3.90	181.80	10.66	177.90
20'N	25'		5.8	176.0
NL			9.7	172.1
	+27 N 25' W of +23 S		angle No 2	
NL			15.2	166.6
10'S			10.6	171.2
b			6.3	175.5
20'S			6.0	175.8
25'S			6.0	175.8
SL			0.8	181.0

		181.80		Colina
	50'	W of	angle No 2	
SL			3.0	178.8
2'N			7.4	174.4
10'N			7.2	174.6
b			9.0	172.8
20'N			13.0	168.8
NL			18.6	163.2
	75' W of angle No 2			
NL			17.5	164.3
10'S			12.0	169.8
b			7.5	174.3
20'S			8.2	173.6
23'S			8.2	173.6
SL			+1.0	182.8
TP	7.25	179.58	9.47	172.33
	100'	W of	angle No 2	
SL			+3.4	183.0
5'N			5.5	174.1
b			6.0	173.6

POSTED

		179.58		
20' n			10.5	169.1
n l			16.0	163.6
	+13' n 110 +7' s	w = angle No 3		
n l			17.5	162.1
10' s			11.7	167.9
l			7.6	172.0
20' s			5.0	174.6
28' s			5.4	174.2
s l			+0.8	180.4
	+22' s 25' l +28' n	w of angle No 3		
s l			+2.5	182.1
3' n			5.3	174.3
10' n			5.0	174.6
l			6.0	173.6
20' n			10.0	169.6
n l			16.8	163.8

		179.58	s line	
	50'	w of	angle No 3	
n l			17.8	161.8
10' s			10.0	169.6
l			6.4	173.2
20' s			5.4	174.2
27' s			5.8	173.8
s l			+1.8	181.4
	75'	w of	angle No 3	
s l			3.7	175.9
2' n			7.2	172.3
10 n			7.5	172.1
l			-9.0	170.6
T P	0.71	172.71	7.58	172.01
20' n			7.5	165.2
n l			13.0	159.3

		172.71		
	100'	w of	angle	no 3
nL			15.0	157.7
10's			9,0	163.7
b			5,0	167.7
20's			4,2	168.5
25's			4,0	168.7
SL			0,0	172,7
	+14.5 108.6 +2.0 S	w =	angle	no 4
SL			0,0	172,7
2' n			5,0	167.7
10' n			5,0	167.7
b			5,4	167.3
20' n			8,5	164.2
nL			15,0	157.7

		172.71		Colina
	39' n 25' b 31' s	w of	angle	No 4
nL			18.8	153,9
10' s			12,5	160.2
b			10,0	162,7
20' s			7,7	165.0
295'			7,7	165.0
SL			5,0	167.7
	50'	w of	angle	No 4
SL			6,4	166.3
0.5' n			10,0	162.7
10' n			10,0	162.7
b			11.7	161,0
TP	1,62	164.47	2,86	162.85
20' n			7,6	156.9
nL			11,4	153.1

POSTED

		16447		
	32' n 77' b 22' S	w =	angle	No 5
nL			12,0	152.5
10' S			7,2	157.3
b			5,5	159.0
20' S			2,6	161.9
SL			3.4	161,1
	20' S 25' b 30' n	w of	angle	No 5
SL			0,0	164,5
3' n			5,0	159.5
10' n			5,0	159.5
b			5,0	159,5
20' n			8,7	155.8
nL			12,9	151.6
	50' w of angle No 5			
nL			13,0	151.5
10' S			10,0	154.5
b			7,4	157,1
20' S			7,5	157.0
27' S			7,0	157.5
SL			2.0	162.5

		16447		Colins	
	75'	w of	angle	No 5	
SL			4,5	160,0	
4' n			10,0	154.5	
10' n			9,4	155.1	
b			9,4	155.1	
TP	2,57	157.79	9,25	155.22	
20' n			4,5	153.3	
nL			8,0	149.8	
	+33 n 105 b +27 S	w =	E Line of Bangor St		(60')
nL			10,56	147.2	
10' S			6,3	151.5	
b			5,7	152.1	
20' S			5,6	152.2	
27' S			5,5	152.3	
SL			+1.0	158.8	
Bm	6,00	153,23	10,56	147.23	Hub w end of Colina n Line

15-323

Center of Bangor St

S L		+3,0	156,2
4' n		4,3	148.9
10' n		4,0	149.2
b		4,0	149.2
20' n		6,4	146.8
N L		10,0	143.2

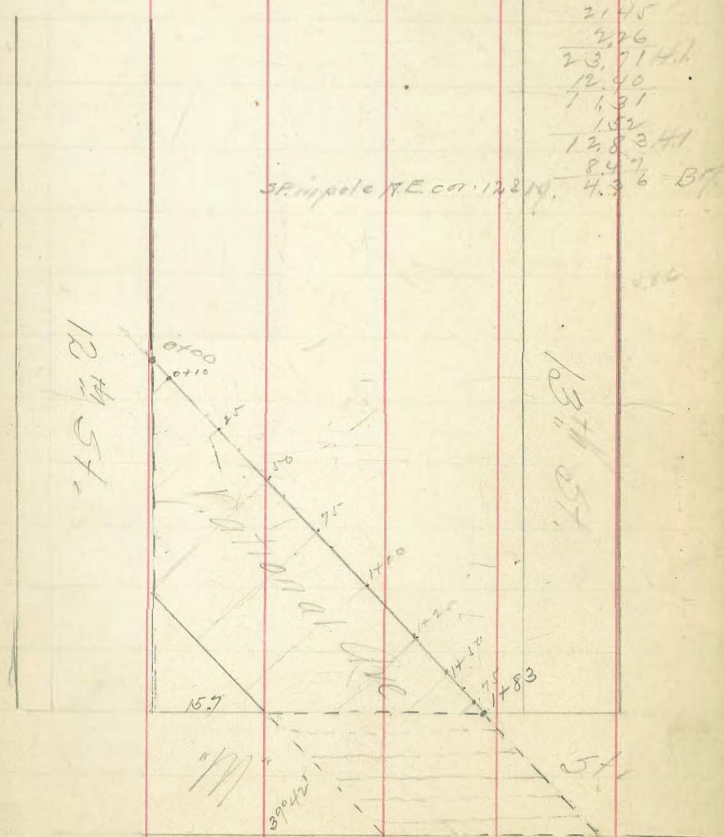
W L of Bangor St

S L		3,0	150,2
3' n		7,0	146.2
10' n		6,7	146.5
b		6,7	146.5
20' n		7,5	145.7
N L		15,6	137.6
	4,88	11,96	141,27
		7,90	138.25

POSTED

Plat showing system of x sec. on National bet. 12th & M St.

21.45
2.26
23.71 H.I.
12.40
11.31
1.52
12.83 H.I.
8.47
4.36 = B.M.



X sec. of National Ave bet 12th & M

B.M.	4.86	H.I. 9.22		4.36
		0+00		
			4.7	4.5
		0+10		
N			7.9	1.3
E. line 12th			4.8	4.4
		0+25		
N			8.5	0.7
ch.			7.7	1.5
E. line 12th			5.0	4.2
		0+50		
N			8.8	0.4
ch.			8.9	0.3
1/4			8.9	0.3
C.			8.4	0.8
E line 12th			4.5	4.7

POSTED

0+75

N	8.9	0.3
ch.	8.8	0.4
1/4	8.8	0.4
C.	8.9	0.3
1/4	8.7	0.5
ch.	8.7	0.5
S.	5.7	3.5

1+00

N	8.8	0.4
ch.	8.3	0.9
1/4	8.2	1.0
C	8.2	1.0
1/4	8.2	1.0
ch	7.8	1.4
+73		
S. = 11 ft.	5.5	3.7

1+25

N	8.9	0.3
ch.	8.8	0.4
1/4	8.6	0.6
C.	7.6	1.6
N line 12 ft.	6.6	1.6

1+50

N	8.8	0.4
ch.	8.8	0.4
+20	8.8	0.4
N line 12 ft.	6.1	3.1

1+75

N	8.4	0.8
N line 12 ft.	6.1	3.1

1+83

	6.1	3.1

X sec. of National Ave.
N line "M" St.

N line	6.1	3.1
ch.	6.0	3.2
1/4	5.8	3.4
c.	5.8	3.4
1/4	5.8	3.4
ch.	5.7	3.5
S.	6.0	3.2

POSTED

E. curb. Nat. Ave.

S	6.3	2.9
ch.	6.7	2.5
1/4	6.6	2.6
c	6.8	2.4
1/4	6.9	2.3
ch.	6.9	2.3
N	6.9	2.3

E 1/4 Nat. Ave.

N.	6.9	2.3
ch.	6.9	2.3
1/4	6.7	2.5
c	6.7	2.5
1/4	6.6	2.5
ch.	6.5	2.7
S.	6.4	2.8

Center.

S	6.0	3.2
ch.	6.0	3.2
1/4	6.1	3.1
c	6.1	3.1
1/4	6.3	2.9
ch.	6.3	2.9
N	6.3	2.9

N. 1/4 National Ave.

N.	6.3	2.9
ch.	6.3	2.9
1/4	6.3	2.9
c	6.5	2.7
1/4	6.4	2.8
ch.	6.4	2.8
S.	6.3	2.9

N. Curb Nat. Ave.

S.	6.3	2.9
ch.	6.6	2.6
1/4	6.3	2.9
c.	6.3	2.9
1/4	6.5	2.7
ch.	6.0	3.2
N.	6.3	2.9

N. Prop. line Nat. Ave.

N	6.3	2.9
ch.	6.5	2.7
1/4	6.2	3.0
c.	6.0	3.2
1/4	6.0	3.2
ch.	6.0	3.2
S	6.3	2.9

POSTED

Xsec 17th from N. line "G" to S. line "F" Sts. — 17th & G. St. Brass bolt at N.W.

B.M.	13.05	60.11	47.06	
	N line G. St.			
W.			12.4	47.7
cl.			12.5	47.6
1/4			12.5	47.6
C			12.5	47.6
1/4			12.4	47.7
cl.			12.4	47.7
E			12.2	
	0+10' N. of G St			
E.			11.8	48.3
cl.			11.4	48.7
1/4			11.8	48.3
C.			11.9	48.2
2' W. ctr			11.9	
4 " "			9.2	50.9
1/4			9.0	51.1
cl.			8.6	51.5
W.			8.6	51.5

POSTED

	0+25			
W			7.8	52.3
cl.			7.9	52.2
1/4			8.2	51.9
4' E 1/4			8.5	51.6
6' " "			10.5	49.6
C.			11.3	48.8
1/4			11.4	48.7
cl.			11.1	49.0
E			10.8	49.3
	0+50			
W.			5.4	54.7
cl.			6.0	54.1
1/4			6.8	53.3
3' E 1/4			7.0	53.1
6' " 1/4			8.6	51.5
C			9.6	50.5
1/4			10.2	49.9
cl.			9.4	50.7
E			9.1	51.0

POSTED

	0+75		
E		7.5	52.6
cl.		7.8	52.3
1/4		8.4	51.7
C		7.9	52.2
1/4		7.1	53.0
3 W 1/4		4.5	55.6
cl.		4.1	56.0
W.		3.4	56.7
T.P.	60.11	0.59	59.52
	1+00		
E	60.11	5.8	54.3
cl.		6.0	54.1
1/4		6.6	53.5
C		6.8	53.3
+ 3		6.3	53.8
+ 5		14.3	57.7
1/4	71.97	13.3	58.7
cl.		12.7	59.3
W.		11.7	60.3

	1+25		
E	60.11	4.3	55.8
cl.		4.8	55.3
1/4		5.0	55.1
C		5.0	55.1
+2 W		4.4	55.7
7 W 1/4		12.7	59.3
1/4	71.97	10.7	61.3
cl.		9.7	62.3
W.		9.0	63.0
	1+50		
E	60.11	2.6	57.5
cl.		2.9	57.2
1/4		3.5	56.6
C		2.7	57.4
1/4		1.4	58.7
4 W. 1/4		6.7	65.3
cl.	71.97	6.1	65.9
W.		5.2	66.8

		1+75		
E		60.11	0.9	59.2
cl.			1.7	58.4
1/4			1.8	58.3
c			1.6	58.5
1/4			0.8	59.3
7' W.			0.1	60.0
10' W.			3.4	68.6
cl.		71.97	2.8	69.2
W.			2.8	69.2
		2+00		
T.P.	11.40	41 71.02	0.49	59.62
E		71.02	10.2	60.8
cl.			11.1	59.9
1/4			11.2	59.8
c			11.2	59.8
1/4			11.5	59.6
11' W.			7.6	63.4
cl.		71.97	10.9	61.1
W			10.8	61.2

		2+25		
E		71.02	9.0	62.0
cl			9.9	61.1
1/4			9.7	61.3
c			9.4	61.6
1/4			4.8	66.2
2' W.			2.9	68.1
4' W.			9.2	79.3
cl.		83.46	7.8	75.7
W			7.4	76.1
		2+50		
E.		71.02	7.2	63.8
cl.			7.5	63.5
1/4			7.7	63.3
c			7.5	63.5
1/4			5.9	65.1
5' W.			5.7	77.8
cl.		83.46	5.1	78.4
W.			4.9	78.6

	2+75		
E.	71.02	5.6	65.4
ch.		6.0	65.0
1/4		6.0	65.0
C		6.2	64.8
1/4		6.3	64.7
ch.		6.4	64.3
2' W.		6.1	64.9
6' W ch.		2.1	81.4
ch	83.46	1.7	81.8
	2+87		
W.	83.46	0.8	82.7
10' W ch.			
ch.		4.8	66.2
1/4		5.3	65.7
C		4.9	66.1
1/4	71.02	5.4	65.6
ch.		4.9	66.1
E		4.1	66.9

	2+89		
W.	71.02	4.5	66.5
ch.		4.6	66.4
1/4		5.1	65.9
C		4.8	66.2
1/4		5.2	65.8
ch.		4.9	66.1
E		4.3	66.7
	3+00		
E	71.02	3.8	67.2
ch.		4.4	66.6
1/4		4.6	66.4
C		4.4	66.6
1/4		5.3	65.7
ch.		5.1	65.9
W		4.8	66.2
check on plug at 17' E		5.22	65.8

		H.I.		1245
Elev	1245	71.97		59.52
	1229	83.46	0.80	71.17

POSTED

Spalice
Short

99°39'
80°21'

12'

1

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

For Single Track Embankment.

Roadway 14 feet wide. Side Slopes $1\frac{1}{2}$ 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.