312

400

LEVEL

F.B. 312

312

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES	LKS.	MINUTES	LKS.	MINUTES	LKS.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅔
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

MICROFILMED
DEC 1964

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

73.56 31 + Webster

54.34 31 + Woodsman

35.96 Spring bn Alley bet Monroe Grady

75.08 Ele Pole 31 + Sugan

45.74 31 H Main st

37.68 H SW bn Main + 3 rw

09.05 Bm SW Ele Pole Main + 29

38.00 SW bn Beech Main + 29 39.00 39

88 rw

95.36 R P Hall 12 rw Center

Crossection of 32nd st

Woolman to Bay Continued

4929

	125'	N of	Sogan	ave
EL			6,1	43.2
bh			7,6	41.7
y			8,6	40.7
b			9,5	39.8
y			10,0	39,3
bh			10,8	38,5
WL			12,6	36.7
	100'	N of	Sogan	
WL			10,5	38.7
bh			9,0	40,3
y			8,2	41,1
b			7,7	41,6
y			7,2	42,1
bh			5,2	44,1
EL			4,0	45,3

		49.9		
	75'	R of	Logan	
El			2.3	47.0
bl			4.0	45.3
y			5.0	44.3
b			5.3	44.0
y			6.0	43.3
bl			6.8	42.5
Wl			7.1	42.2
	50'	Rect	Logan	
Wl			3.2	46.1
bl			3.6	45.7
y			3.6	45.7
b			2.7	46.6
y			2.5	46.8
bl			2.0	47.3
El			1.2	48.1
TP	9.60	56.19	2.70	46.59

		56.19		32 m
	25'	R of	Logan	on
El			6.5	49.7
bl			7.0	49.2
y			7.3	48.9
b			7.4	48.4
y			8.0	48.2
bl			6.9	49.3
Wl			7.0	49.2
	R line of	Logan	on	(80')
Wl			5.0	51.2
bl			5.6	50.6
y			6.6	49.6
b			6.0	50.2
y			5.8	50.4
bl			5.8	50.4
El			5.5	50.7

5619

N bt of Sogan am

Es	5,5	50.7
bt	5,8	50.4
"	5,8	50.4
b	5,8	50.4
"	5,8	50.4
bt	5,9	50,3
Ws	5,3	50.9

N ¼ of Sogan am

Ws	5,4	51,8
bt	5,5	50.7
"	5,5	50.7
b	5,6	50.6
"	5,6	50.6
bt	5,8	50.4
Es	5,5	50.7

5619 32 na

Center of Sogan

Es	5,5	50,7
bt	5,4	50,8
"	5,4	50,8
b	5,4	50,8
"	5,5	50,7
bt	5,5	50,7
Ws	5,3	50,9

S ¼ of Sogan

Ws	5,5	50,7
bt	5,3	50,9
"	5,2	51,0
b	5,1	51,1
"	5,0	51,2
bt	5,1	51,1
Es	4,8	51.4

56.49

S bl of Sogan

EL		3,8	52,4	
bl		4,9	51.3	
"		4,7	51,5	
b		4,6	51,6	
"		5,0	51,2	
bl		4,9	51,3	
WL		5,1	51,1	

S L Sogan

WL		4,0	52,2	
bl		4,5	51,7	
"		4,0	52,2	
b		3,9	52,3	
"		3,9	52,3	
bl		2,8	53,4	
EL		1,7	54,5	
TP		4,89	51,30	NE bu

11,36	62,81		51,45	Bm NE Pole Sogan 32

5' S of Sogan

EL		7,5	55.3	
bl		8,8	54.0	
"		9,7	53,1	
b		9,7	53,1	
"		10,0	52,8	
bl		8,7	54,1	
WL		7,7	55,1	

50 S of Sogan ave

WL		4,6	58,2	
bl		4,8	58.0	
"		6,3	56,5	
b		5,5	57,3	
"		5,7	57.7	
bl		5,0	57,8	
EL		4,8	58.0	

62.81

	100'	S of	Logan	
EL			1.8	61.0
bb			1.6	61.2
y			1.7	61.1
b			1.7	61.1
y			2.0	60.8
bl			1.4	61.4
WL			1.2	61.6
TP	4.68	66.22	1.27	65.4
	150'	S of	Logan	am
WL			3.2	62.9
bb			3.4	62.8
y			3.5	62.7
b			3.7	62.5
y			3.7	62.5
bl			4.0	62.2
EL			4.0	62.2

66.22

	200'	S of	Logan	
EL			3.6	62.6
bb			3.6	62.6
y			3.2	63.0
b			3.2	63.0
y			2.7	63.5
bl			2.5	63.7
WL			2.5	63.7
	250'	S of	Logan	
WL			2.4	63.8
bb			2.9	63.3
y			3.2	63.0
b			3.5	62.7
y			3.5	62.7
bl			3.9	62.3
EL			4.1	62.1

6622

300' S = n L National (80')

EL	4.9	61.3
bb	4.7	61.5
y	4.2	62.0
b	4.0	62.2
y	3.7	62.5
bl	3.3	62.9
WL	3.2	63.0

n bb of National

WL	3.0	63.2
bl	3.7	62.8
y	4.0	62.2
b	4.2	62.0
y	4.3	61.9
bb	4.8	61.4
EL	5.1	61.1

6622 32nd st

n 1/4 of National

EL	5.2	61.0
bb	4.9	61.3
y	4.5	61.7
b	4.5	61.7
y	4.0	62.2
bl	3.4	62.8
WL	3.2	62.0

Center of National

WL	3.7	62.5
bl	3.9	62.3
y	4.3	61.9
b	4.9	61.3
y	4.9	61.3
bb	5.0	61.2
EL	5.5	60.7

6622

S 1/4 of Nakonai am

ES			6,0	60,2
bl			5,7	60.5
"			5,3	60.9
b			5,3	60.9
"			4,8	61.4
bl			4,6	61.6
WS			4,6	61.6

S bb of Nakonai

WS			4,3	61.9
bl			4,5	61.7
"			5,0	60.2
b			5,5	60.7
"			5,9	60.3
bl			6,0	60.2
ES			6,3	59.9

6622 32 [illegible]

S Line of Nakonai

ES			6,6	59.6
bl			6,1	60.1
"			5,8	60.4
b			5,8	60.4
"			5,5	60.7
bl			5,0	61.2
WS			4,6	61.6

50' S of Nakonai am

WS			6,0	60.2
bl			6,4	59.8
"			6,7	59.5
b			7,2	59.0
"			7,3	58.9
bl			7,7	58.5
CS			7,8	58.4
TP	4,70	6340	7,52	58,70

6340

100' S of National

El	5.6	57.8
bl	5.6	57.8
y	5.3	58.1
b	5.1	58.3
y	5.0	58.4
bl	4.6	58.8
Wh	4.1	59.3

150' S of National

Wh	3.2	60.2
bl	3.6	59.8
y	3.8	59.6
b	4.2	59.2
y	4.5	58.9
bl	5.0	58.4
El	5.4	58.0

6340

200' S of National am

El	5.6	57.8
bl	5.0	58.4
y	4.4	59.0
b	4.6	58.8
y	4.4	59.0
bl	3.9	59.5
Wh	3.3	60.1

250' S of National

Wh	4.6	58.8
bl	5.0	58.4
y	6.0	57.4
b	6.0	57.4
y	6.6	56.8
bl	7.4	56.0
El	7.8	55.6

		63.40		
	300' S = N ℄ of Grand ave (80')			
EL			9,9	53,5
bh			9,6	53,8
"			9,0	54,4
b			8,5	54,9
"			8,1	55,3
TP	2,49	56.08	9,81	53,59
bh			+0,50	56,6
WL	on Bank		+1,7	57,8
WL	in cut		0,31	55,80
bh	" "		0,7	55,4
"	" "		0,7	55,4

		56.08		32nd
	N bk of Grand ave			
WL			0,50	55,6
bh			1,6	54,5
"			1,6	54,5
b			1,9	54,2
"			2,1	54,0
bh			2,6	53,5
EL			3,0	53,1
	N ¼ of Grand ave			
EL			2,9	53,2
bh			2,5	53,6
"			2,4	53,7
b			2,1	54,0
"			1,9	54,2
bh			1,7	54,4
WL			1,2	54,9

5608

2' N RR Track

WL	1.5	54.6
bb	1.8	54.3
"	1.8	54.3
b	2.1	54.0
"	2.5	53.6
bl	2.8	53.3
EL	3.0	53.1

2' S of RR Track

EL	3.4	52.7
bb	3.0	53.1
"	2.8	53.3
b	2.4	53.7
"	2.0	54.1
bl	2.0	54.1
WL	1.8	54.3

5608 3225

S 1/4 of Grand ave

WL	2.3	53.8
bb	2.8	53.3
"	3.7	52.4
b	3.5	52.6
"	3.4	52.7
bb	3.6	52.5
EL	4.0	52.1

S bb of Grand ave

EL	4.5	51.6
bb	4.2	51.9
"	4.4	51.7
b	3.9	52.2
"	3.8	52.3
bl	2.9	53.2
WL	2.6	53.5

		5608		
	S Line of		Grand ave	
WL			2,3	53.8
bb			3,3	52.8
"			4,2	51,9
b			4,5	51,6
"			4,7	51.4
bb			5,0	51,1
EL			4,9	51,2
	50'	S of	Grand ave	
EL			6,4	49,7
bb			5,8	50,3
"			6,1	50,0
b			5,9	50,2
"			5,6	50,5
bb			5,9	50,2
WL			5,6	50,5

		5608		32nd
	100'	S of	Grand ave	
WL			8,0	48,1
bb			8,5	47,6
"			8,5	47,6
b			7,9	48,2
"			8,3	47.8
bb			8,3	47.8
EL			8,5	47,6
	150'	S of	Grand ave	
EL			9,9	46,2
bb			10,5	45,6
"			10,7	45,4
b			11,0	45,1
"			11,1	45,0
bb			10,6	45,5
WL			10,1	46,0

		5608		
	175'	S of	Grand ave	
WL			10.8	45.3
bb			12.0	44.1
y			12.6	43.5
b			12.8	43.3
y			11.7	44.4
bl			10.8	45.3
EL			10.1	46.0
TP	0.46	4467	11.67	44.41
	200'	S of	Grand ave	
EL			+0.2	45.1
bb			0.0	44.9
y			1.3	43.6
b			1.9	43.0
y			1.8	43.1
bl			1.5	43.4
WL			0.0	44.9

		4487		32m
	225'	S of	Grand ave	
WL			2.2	42.7
bb			3.4	42.5
y			3.1	41.8
b			2.6	42.3
y			1.5	43.4
bl			0.4	44.5
EL			0.0	44.9
	250'	S of	Grand ave	
EL			0.1	44.8
bb			0.1	44.8
y			1.1	43.8
b			2.1	42.8
y			3.6	41.3
bl			4.2	40.7
WL			4.0	40.9

4487

275' S of Grand ave

WL	5,0	39,9
bb	5,5	39,4
y	4,5	40,4
b	2,4	42,5
y	1,0	43,9
bl	0,9	44,0
EL	0,5	44,4

300' S of N bl of Boston (80')

EL	1,1	43,8
bl	1,1	43,8
y	1,7	43,2
b	3,1	41,8
y	4,8	40,1
bl	6,4	38,5
WL	6,1	38,8

4487 32 mo

N bl of Boston

WL	7,4	37,5
bb	6,8	38,1
y	5,4	39,1
b	3,9	41,0
y	2,5	42,4
bl	1,2	43,7
EL	1,1	43,8

N ¼ of Boston

EL	2,0	42,9
bb	1,7	43,2
y	2,7	42,2
b	4,2	40,6
y	5,8	39,1
bl	7,5	37,4
WL	7,7	37,2

4487

Center of Baston

WL	8,2	36,7
bb	8,8	36,1
y	6,7	38,2
b	5,0	39,9
y	3,2	41,7
bb	2,3	42,6
EL	2,5	42,4

S 1/4 of Baston

EL	3,3	41,6
bb	3,2	41,7
y	4,4	40,5
b	6,0	38,9
y	7,7	37,2
bb	9,4	35,5
WL	9,3	35,8

4487 32α

S bb of Baston

WL	10,2	34,7
bb	9,8	35,1
y	9,3	35,6
b	7,3	37,6
y	5,5	39,4
bb	4,0	40,9
EL	4,0	40,9

S Line of Baston

EL	4,8	40,1
bb	4,8	40,1
y	6,5	38,4
b	8,3	36,6
y	10,3	34,6
bb	10,6	34,3
WL	11,0	33,9

See Page 19

44.87

25' S of Boston

WL		11.5		
bl	See Page	12.4		
"	19	13.0		
b		12.2		
"		10.5		
bl		9.0		
EL		7.4		
BM		4.92	39.95	Top Post SW Cor Boston

50' S of Boston

WL		9.9		
bl		13.2		
"		14.0		
b		14.3		
"		14.2		
bl		12.6		
EL		10.9		

44.87 32 ma

75' S of Boston

EL		15.5		
bl		15.8		
"		15.4		
b		15.0		
"		13.0		
bl		9.7		
WL		5.6		

100' S of Boston

WL		4.4		
bl		6.3		
"		8.7		
b		11.3		
"		13.7		
bl		15.0		
EL		16.6		

		44.87		
	125'	S of	Boston	
EL			14.0	
bb			12.0	
y			11.0	
b			9.5	
y			8.0	
bb			6.4	
WL			5.2	
	150'	S of	Boston	
WL			5.7	
bb			6.8	
y			7.7	
b			8.6	
y			9.4	
bb			9.8	
EL			10.4	
TP	1.32	39.64	6.55	38.32

		39.64		32 [illegible]
	175'	S of	Boston	
EL			5.9	
bb			5.2	
y			4.4	
b			4.2	
y			3.5	
bb			3.4	
WL			2.7	
	200'	S of	Boston	
WL			5.0	
bb			5.2	
y			5.8	
b			6.3	
y			6.9	
bb			7.4	
EL			8.0	

		39.64			
	225'	S of	Boston		
EL			10.5		
bl			10.0		
"			9.6		
b			8.9		
"			8.3		
bh			8.0		
WL			7.6		
	250'	S of	Boston		
WL			12.6		
			12.5		
			12.4		
			12.5		
			12.2		
			13.0		
			14.4		
TP			2.15		stone
TP	4.95	31.82	12.77	26.87	

		31.82		32 mm	
	275'	S of	Boston		
EL			9.6		
bl			8.7		
"			8.8		
b			9.3		
"			8.7		
bh			8.4		
WL			8.0		
	300'	S = N line of Main st (80')			
WL			7.0		
bh			8.0		
"			8.6		
b			9.8		
"			11.0		
bl			12.0		
EL			12.0		

31.82

N bl of Main st

E2	11.2
bl	10.8
"	9.9
b	9.3
"	8.0
bl	6.4
W2	4.2

N ¼ of Main st

W2	1.5
bl	3.1
"	5.0
b	6.2
"	7.9
bl	9.1
E2	10.2

31.82 32.00

Center of Main st

E2			8.5	
bl			6.7	
"			4.0	
b			2.5	
"			1.0	
TP	11.19	41.84	1.7	30.65
bl			1.00	
W2			1.9.0	

S ¼ of Main st

W2	7.5
bl	8.9
"	10.1
b	11.2
"	12.5
bl	14.6
E2	15.8

41.84

S bk of Main st

EL	12,8		
bk	11,4		
"	10,1		
b	9,0		
"	8,0		
bk	7,0		
WL	6,0		
S Line of Main st			
WL	5,2		
bk	5,9		
"	6,8		
b	8,0		
"	8,6		
bk	9,3		
EL	10,4		
BM	4.15	37.68	[illegible]

[illegible] 41.15

32nd st Jogs 4.3' to the west at Boston

2.62	42.57		39.95	BM Top Post Boston + 32nd SW Co
S Line of Boston				
WL		8,4	34.2	
bk		8,4	34.2	
"		8,4	34.2	
b		6,4	36.2	
"		4,4	38.2	
bk		3,0	39.6	
EL		2,4	40.2	
25' S of Boston				
EL		5,4	37.2	
bk		7,0	35.6	
"		7,6	35.0	
b		9,4	33.2	
"		10,6	32.0	
bk		10,0	32.6	
+1		6,0	37.6	
WL		4,8	37.8	

4257

	50'	S of	Boston	
WL			3,6	39,0
bl			8,5	34 1
"			11,5	31,1
b.			12,0	30.6
"			12,2	30.4
bl			11,5	31.1
EL			9.6	33.0
	75'	S of	Boston	
EL			13,6	29.0
bl			13,5	29.1
"			13,0	29.6
b			11,0	31.6
"			8,7	33.9
bl			4,6	38.0
WL			0,5	42.1

4257 32nd

	100'	S of	Boston	
WL			1,0	41,6
bl			2,2	40,4
"			5,3	37.3
b			9,0	33,6
"			10,8	31.8
bl			12,0	30,6
EL			12,8	29 8
	125'	S of	Boston	
EL			9,4	33,2
bl			8,1	34,5
"			7,3	35.3
b			6,0	36,6
"			4,6	38.0
bl			3,5	39.1
WL			1.8	40.8

4257

150' S of Boston

WL	2.8	39.8
bb	3.7	38.7
"	4.9	37.7
b	6.0	36.6
"	7.0	35.6
bb	7.5	35.1
EL	7.8	34.8

175' S of Boston

EL	8.3	34.3
bb	7.4	35.2
"	7.1	35.4
b	6.5	36.1
"	6.0	36.6
bb	5.3	37.3
WL	4.6	38.0

4257 32 m

200' S of Boston

WL	7.3	35.3
bb	8.0	34.6
"	8.8	33.8
b	9.2	33.4
"	9.5	33.1
bb	10.0	32.6
EL	10.4	32.2
TP	0.50 3406	9.01 33.56

225' S of Boston

EL	4.8	29.3
bb	4.4	29.7
"	4.0	30.1
b	3.1	31.0
"	2.8	31.3
bb	2.5	31.6
WL	2.7	31.4

		3406		
	250'	S of	Boston	
WL			5.0	29.1
bb			7.0	27.1
"			7.4	26.7
b			7.5	26.6
"			7.5	26.6
bb			7.5	26.6
EL			7.8	26.3
	275'	S of	Boston	
EL			11.0	23.1
bb			11.0	23.1
"			11.5	22.6
b			11.2	22.9
"			10.8	23.3
bb			9.3	24.8
WL			4.8	29.3

		3406		32nd	
	300'	S = N Line Main st			(80')
WL			5.5	28.6	
bb			9.0	25.1	
"			10.4	23.7	
b			11.3	22.8	
"			12.1	22.0	
bb			13.4	20.7	
EL			13.7	20.4	
	0.95			37.68	Hub at Lake SW Cr Main
	6.30	3317	11.76	26.89	
	N bb of Main st				
EL			11.7	21.5	
bb			11.1	22.1	
"			10.3	22.9	
b			8.7	24.5	
"			5.5	27.7	
bb			4.8	28.4	
WL			3.3	29.9	

N ¼ of Main st

W2			0.8	32.4
bb			2.8	30.4
"			4.7	28.5
b			6.4	26.8
"			8.1	25.1
bb			9.3	23.9
E2			10.2	23.0

Center of Main st

E2			8.6	24.6
bb			6.9	26.3
"			4.9	28.3
b			3.0	30.20
"			1.3	31.9
BM	4.37	4/2.05		37.68
bb			9.3	32.7
W2			7.6	34.4

S ¼ of Main st

W2			6.0	36.0
bb			7.3	34.7
"			8.7	33.3
b			9.8	32.2
"			11.2	30.8
bb			12.5	29.5
E2			14.8	27.2

S bb of Main st

E2			11.6	30.4
bb			10.4	31.6
"			9.4	32.6
b			8.4	33.6
"			7.2	34.8
bb			6.0	36.0
W2			5.1	36.9

S Line of Main st

WR	4.4	37.6
bl	5.1	36.9
y	6.0	36.0
b	7.1	34.9
y	8.0	34.0
bl	9.7	32.3
ER	9.4	32.6

10' S of Main st

ER	8.7	33.3
bl	8.2	33.8
y	7.4	34.6
b	6.2	35.8
y	5.2	36.8
bl	4.4	37.6
WR	3.6	38.4

25' S of Main st

WR	2.2	39.8
bl	2.4	39.6
y	3.8	38.2
b	4.4	37.6
y	4.2	37.8
bl	4.4	37.6
ER	4.8	37.2

39' S of Main on East 40.5' on west

ER 39'S	4.4	37.6
bl	2.8	39.2
y	4.0	38.0
b	3.4	38.6
y	2.7	39.3
bl	2.6	39.4
WR 40.5'S = R of New Main	2.0	40.0

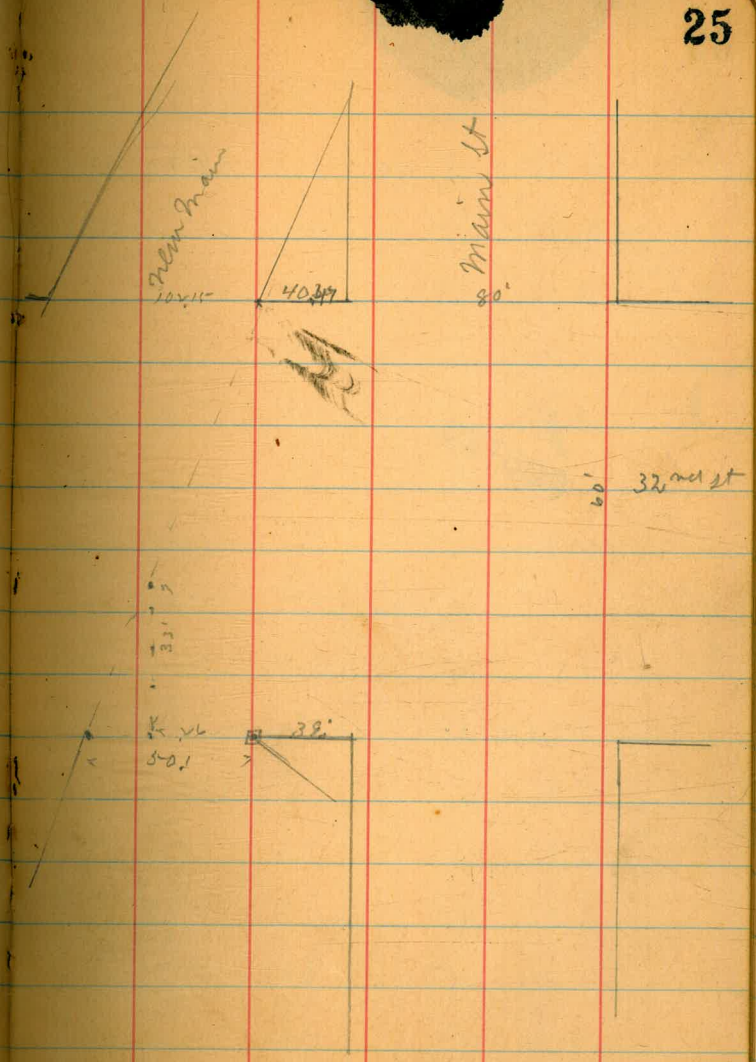
65' S of Main St

El.	5.9	36.1
4	5.4	36.6
6	4.4	37.6
	3.0	39.0
+3 = Rel of New Main	2.9	39.1

89.1' S of Main = R Line New Main

El	4.0	38.0

See Plan



Clough Ayla

[illegible] of 29th st (60')

Jun 8/08 Kr[illegible] to Bay view

Bm	5.00	74.07		69.07	NW to Logan
165' n of Logan	S Line of Kuntz Tract				
WL			3.2	70.9	
bb			3.4	70.7	
y			2.7	71.4	
b			2.8	71.3	
y			2.5	71.6	
bb			3.3	70.8	
EL			3.2	70.9	
	15' S = 150' n of Logan = Cent alley				
EL			3.5	70.6	
bb			3.3	70.8	
y			3.4	70.7	
b			3.2	70.9	
y			3.8	70.3	
bb			3.5	[illegible]6	
WL			3.4	70.7	

POSTED

		74.07		29th st
	125' n of Logan ave			
WL			3.9	70.2
bb			4.2	69.9
y			4.1	70.0
b			3.7	70.4
y			4.0	70.1
bb			3.9	70.2
EL			4.1	70.0
	100' n of Logan			
EL			4.5	69.6
bb			4.4	69.7
y			4.4	69.7
b			4.5	69.6
y			4.8	69.3
bb			4.6	69.5
WL			4.4	69.7

74.07

75' n of Logan

WR	4.8	69.3	
bl	5.0	69.1	
"	5.0	69.1	
b	5.2	68.9	
"	5.0	69.1	
bl	4.8	69.3	
EL	4.3	69.8	

50' n of Logan on

EL	5.0	69.1	
bl	5.4	68.7	
"	5.3	68.8	
b	5.7	68.4	
"	5.5	68.6	
bl	5.2	68.9	
WR	5.2	68.9	

74.07 29th st

25' n of Logan on

WR	5.2	68.8	
bl	5.4	68.7	
"	5.8	68.3	
b	6.0	68.1	
"	5.8	68.3	
bl	5.8	68.3	
EL	5.7	68.4	

n line of Logan (Grade) (80')

EL	5.4	68.7	
bl	6.0	68.1	
"	6.3	67.8	
b	5.9	68.2	
"	5.9	68.2	
bl	6.0	68.1	
WR	5.2	68.9	
TP	0.74	69.81	5.00	69.07	Bm

		69.81		
	S line of Logan ave			
WL			2.0	67.8
bh			2.4	67.4
"			3.0	66.8
b			2.6	67.2
"			2.5	67.3
bh			2.6	67.2
EL			2.2	67.6
	25' S of Logan			
EL			3.6	66.2
bh			3.5	66.3
"			3.6	66.2
b			3.4	66.4
"			3.1	66.7
bh			3.1	66.7
WL			3.1	66.7

		69.81		29th st
	50' S of Logan			
WL			3.3	66.5
bh			3.6	66.2
"			3.6	66.2
b			3.8	66.0
"			3.9	65.9
bh			4.6	65.2
EL			4.4	65.4
	75' S of Logan			
EL			5.1	64.7
bh			4.8	65.0
"			4.4	65.4
b			4.6	65.2
"			4.5	65.3
bh			4.1	65.7
WL			3.8	66.0

69.81

100' S of Logan

WL			4,7	65,1
bb			4,8	65,0
"			5,0	64,8
b			5,2	64,6
"			5,0	64,8
bb			5,5	64,3
EL			5,2	64,6

125' S of Logan

EL			5,6	64,2
bb			6,0	63,8
"			5,7	64,1
b			6,2	63,6
"			6,2	63,6
bb			6,0	63,8
WL			6,8	63,0

69.81 29 ft st

150' S of Logan (cent alley)

WL			7,0	62,8
bb			6,8	63,0
"			7,0	62,8
b			6,6	63,2
"			6,1	63,7
bb			5,9	63,9
EL			5,5	64,3

175' S of Logan

EL			5,9	63,9
bb			6,0	63,8
"			5,5	64,3
b			7,2	62,6
"			7,4	62,4
bb			7,6	62,2
WL			8,6	61,2

6981

200' S of Logan

WL	8.3	61.5
bb	7.5	62.3
"	7.7	62.1
b	7.5	62.3
"	7.0	62.8
bb	7.2	62.6
EL	6.3	63.5

225' S of Logan

EL	6.8	63.0
bb	7.5	62.3
"	7.2	62.6
b	7.5	62.3
"	7.9	61.9
bb	7.7	62.1
WL	8.4	61.4

6981 [illegible]

250' S of Logan a

WL	8.1	61.7
bb	7.6	62.2
"	8.1	61.7
b	7.8	62.0
"	7.4	62.4
bb	8.0	61.8
EL	7.2	62.6

275' S of Logan

EL	8.1	61.7
bb	8.4	61.4
"	7.8	62.0
b	8.0	61.8
"	8.0	61.8
bb	8.0	61.8
WL	8.4	61.4

300' S = 2 Line National (Graded) (80')

WL			7.6	62.2
bl			8.0	61.8
"			7.7	62.1
b			7.8	62.0
"			7.8	62.0
bl			8.5	61.3
El			8.1	61.7
TP	227	64.28	7.80	62.01

S Line of National am

El			2.9	61.4
bl			3.2	61.1
"			3.3	61.0
b			3.5	60.8
"			3.7	60.6
bl			3.5	60.8
WL			3.2	61.1

64.28 290.28

25' S of National am

WL			4.2	60.1
bl			3.7	60.6
"			4.1	60.2
b			4.1	60.2
"			3.8	60.5
bl			4.3	60.0
El			3.3	61.0

350' S of National am

El			3.7	60.6
bl			4.6	59.7
"			4.6	59.7
b			4.6	59.7
"			4.6	59.7
bl			4.6	59.7
WL			4.0	60.3

75' S of National

WL	4.7	59.6
bl	5.7	58.6
"	5.7	58.6
b	5.4	58.9
"	4.8	59.5
bl	5.4	58.9
EL	4.1	59.8

100' S of National

EL	5.2	59.1
bl	5.8	58.5
"	5.6	58.7
b	6.2	58.1
"	6.4	57.9
bl	6.5	57.8
WL	6.6	57.7

125' S of National ave

WL	6.0	58.3
bl	6.9	57.4
"	7.1	57.2
b	6.9	57.4
"	6.8	57.5
bl	6.7	57.6
EL	5.8	58.5

150' S of National (cent alley)

EL	6.3	58.0
bl	6.7	57.6
"	7.0	57.3
b	7.3	57.0
"	6.8	57.5
bl	6.1	58.2
WL	6.7	57.6

64.28

	175' S of	Natural	
WL		7.5	56.8
bl		7.6	56.7
"		7.6	56.7
b		7.5	56.8
"		8.0	56.3
bl		7.3	57.0
EL		6.9	57.4
	200' S of	Natural	an
EL		7.4	56.9
bl		7.4	56.9
"		7.9	56.4
b		8.0	56.3
"		8.3	56.0
bl		8.2	56.1
WL		8.0	56.3

64.28 295 ft

	225' S of	Natural	an
WL		8.6	55.7
bl		8.7	55.6
"		8.8	55.5
b		8.3	56.0
"		8.1	56.2
bl		7.9	56.4
EL		7.8	56.5
	250' S of	Natural	an
EL		8.2	56.1
bl		8.1	56.2
"		8.5	55.8
b		8.6	55.7
"		8.8	55.5
bl		8.8	55.5
WL		8.7	55.6

6428

275' S of National

Wt			9.0	55.3
bl			9.5	54.8
"			9.2	55.1
b			8.8	55.5
"			8.6	55.7
bl			8.2	56.1
Et			7.8	56.5

300' S = N Lin Grand ave (Gradual) (80')

Et			8.3	56.0
bl			8.5	55.8
"			8.6	55.7
b			10.3	54.0
"			9.8	54.5
bl			9.8	54.5
Wt			9.6	54.7
	3.67	5787	10.08	54.20

POSTED

5787 29th st

S Line of Grand ave

Wt			4.4	53.5
bl			4.5	53.4
"			4.1	53.8
b			4.2	53.7
"			4.0	53.9
bl			3.7	54.2
Et			3.4	54.5

25' S of Grand ave

Et			3.7	54.2
bl			4.0	53.9
"			4.0	53.9
b			4.0	53.9
"			3.7	54.2
bl			4.7	53.2
Wt			4.8	53.1

5787

	50'	S of	Grand av	
WL			5.3	52.6
bl			4.7	53.2
4			4.1	53.8
b			4.2	53.7
4			4.0	53.9
bl			3.8	54.1
EL			3.8	54.1
	75'	S of	Grand av	
EL			3.1	54.8
Cb			3.3	54.6
1/4			4.1	53.8
C			4.6	53.3
1/4			4.7	53.2
Cb.			5.5	52.4
WL			5.9	52.0

5787 29 it w

	100'	S of	Grand av	
WL			6.0	51.9
bl			5.6	52.3
4			5.0	52.9
b			4.8	53.1
4			4.6	53.3
bl			4.2	53.7
EL			4.1	53.8
	125'	S of	Grand	
EL			4.2	53.7
bl			4.0	53.9
4			4.0	53.9
1			5.0	52.9
4			5.6	52.3
bl			6.4	51.5
WL			6.5	51.4

5787

	150'	S of	Grand ave (alley)	
WL			7,2	50.7
bb			6,9	51,0
"			6,5	51.4
b			6,0	51,8
"			5,8	52,1
bl			5,1	52,8
EL			5,1	52,8
	175'	S of	Grand ave	
EL			6,8	52,1
bb			6,9	51,0
"			7,2	50,7
b			7,2	50,7
"			7,5	50,4
bl			7,9	50,0
WL			7,9	50,0

5787 29th st

	200'	S of	Grand ave	
WL			9,0	48,9
bb			9,0	48,9
"			8,2	49,7
b			8,0	49,9
"			8,0	49,9
bl			7,8	50.1
EL			7,6	50,3
	225'	S of	Grand ave	
EL			8,5	49,4
bl			8,7	49,2
"			9,0	48,9
b			9,0	48,9
"			8,9	49,0
bl			9,6	48.3
WL			9,5	48,4

5787

	250' S of Grand ave			
WL		10.5	47.4	
bb		10.3	47.6	
4		9.8	48.1	
b		9.8	48.1	
4		9.8	48.1	
bb		9.4	48.5	
EL		8.9	49.0	
	275' S of Grand ave			
EL		9.6	48.3	
bb		10.0	47.9	
4		10.0	47.9	
b		10.2	47.7	
4		10.2	47.7	
bb		10.5	47.4	
WL		10.7	47.2	

POSTED

5787

	300' S = N line of Boston (80')				
WL			10.7	47.2	
bb			10.7	47.2	
4			10.6	47.3	
b			10.6	47.3	
4			10.1	47.8	
bb			9.4	48.5	
EL			9.1	48.8	
TP	3.85	50.00	11.72	46.15	on 13' line Boston
	N bb of Boston				
EL			1.1	48.9	
bb			1.7	48.3	
4			2.3	47.7	
b			2.6	47.4	
4			3.0	47.0	
bb			3.3	46.7	
WL			2.8	47.2	

50.00

N ¼ of Boston st

WL	3.1	46.9
bb	3.6	46.4
4	3.1	46.9
b	2.6	47.4
4	2.5	47.5
bb	2.1	47.9
EL	1.8	48.2

Center of Boston

EL	2.8	47.2
bb	3.1	46.9
4	3.0	47.0
b	3.2	46.8
4	3.4	46.6
bb	3.9	46.1
WL	3.4	46.6

50.00 2 gal st

S ¼ of Boston st

WL	3.6	46.4
bb	4.1	45.9
4	3.6	46.4
b	3.5	46.5
4	3.5	46.5
bb	3.4	46.6
EL	3.2	46.8

S bb of Boston

EL	3.4	46.6
bb	3.7	46.3
4	3.7	46.3
b	3.7	46.3
4	3.7	46.3
bb	4.2	45.8
WL	3.8	46.2

50.00

S Line of Boston st

WL	4.5	45.5	
bl	4.5	45.5	
4	4.1	45.9	
b	4.1	45.9	
4	4.1	45.9	
bl	3.8	46.2	
EL	3.7	46.3	

25' S of Boston st

EL	3.9	46.1	
bl	4.2	45.8	
4	4.2	45.8	
b	4.4	45.6	
4	4.7	45.3	
bl	5.0	45.0	
WL	5.0	45.0	

50.00 290.1

50' S of Boston st

WL	5.5	44.5	
bl	5.5	44.5	
4	4.9	45.1	
b	5.0	45.0	
4	4.9	45.1	
bl	4.6	45.4	
EL	4.2	45.8	

75' S of Boston

EL	4.8	45.2	
bl	5.0	45.0	
4	5.2	44.8	
b	5.4	44.6	
4	5.4	44.6	
bl	5.9	44.1	
WL	5.7	44.3	

50.00

	100	S of	Boston	
WL			6.3	43.7
bl			6.2	43.8
"			5.5	44.5
b			4.8	45.2
"			5.2	44.8
bl			5.5	44.5
EL			5.8	44.2
	125'	S of	Boston	
EL			6.4	43.6
bl			6.2	43.8
"			6.0	44.0
b			5.8	44.2
"			6.2	43.8
bl			6.6	43.4
WL			6.6	43.4

POSTED

50.00 29 ft 2d

	150'	S of	Boston		(Alley)
WL			6.8	43.2	
bl			7.1	42.9	
"			6.8	43.2	
b			7.0	43.0	
"			6.8	43.2	
bl			6.8	43.2	
EL			6.3	43.7	
	175'	S of	Boston		
EL			7.0	43.0	
bl			7.1	42.9	
"			7.1	42.9	
b			7.2	42.8	
"			7.5	42.5	
bl			7.6	42.4	
WL			7.4	42.6	
TP	3.92	47.02	6.90	43.10	

47.02

200' S of Boston

W L	4.7	42.3
bl	4.6	42.4
y	5.1	41.9
b	4.4	42.6
y	4.2	42.8
bl	4.2	42.8
El	4.2	42.8

225' S of Boston

El	4.6	42.4
bl	4.7	42.3
y	4.6	42.4
b	5.2	41.8
y	4.9	42.1
bl	5.1	41.9
W L	5.1	41.9

47.02 250' S of Boston

W L	5.5	41.5
bl	5.3	41.7
y	5.1	41.9
b	5.5	41.5
y	5.2	41.4
bl	5.2	41.8
El	5.0	42.0

275' S of Boston

El	5.0	42.0
bl	5.7	41.3
y	6.0	41.0
b	5.9	41.1
y	5.6	41.4
bl	5.6	41.4
W L	5.9	41.1

4702

300' S = N Line Main St (Graded) (80')

WL			6.5	40.5
bl			7.2	39.8
"			7.5	39.5
b			7.5	39.5
"			7.8	39.2
bl			6.3	40.7
EL			6.0	41.0
TP	0.82	38.84	9.00	38.02 (Checked)

S Line of Main St

WL			0.6	38.2
bl			0.6	38.2
"			0.8	38.0
b			1.0	37.8
"			1.0	37.8
bl			0.5	38.3
EL			0.0	38.8

3884 29th St

25' S of Main St

EL			0.6	38.2
bl			1.4	37.4
"			1.1	37.7
b			0.7	38.1
"			1.1	37.7
bl			1.6	37.2
WL			1.5	37.3

50' S of Main St

WL			1.8	37.0
bl			2.0	36.8
"			2.0	36.8
b			1.6	37.2
"			1.6	37.2
bl			2.6	36.2
EL			1.5	37.3

		3884						3884		29th	st
	75'	S of	Main	st			125'	S of	Main	st	
EL			2.4	36.4		EL			4.5	34.3	
bb			3.0	35.8		bb			4.6	34.2	
"			2.8	36.0		"			5.0	33.8	
b			2.5	36.3		b			5.2	33.6	
"			2.5	36.3		"			5.4	33.4	
bl			3.0	35.8		bl			5.5	33.3	
WL			2.8	36.0		WL			4.9	33.9	
	100'	S of	Main	st			150'	S of	Main	st	(alley)
WL			4.0	34.8		WL			7.2	31.6	
bb			4.4	34.4		bb			7.0	31.8	
"			4.0	34.8		"			6.8	32.0	
b			4.0	34.8		b			6.6	32.2	
"			3.8	35.0		"			6.3	32.5	
bl			4.0	34.8		bl			6.7	32.1	
EL			3.6	35.2		EL			6.4	32.4	

38.84

	175'	S of	Main st	
El			7.6	31.2
bl			7.6	31.2
4			7.6	31.2
6			7.7	31.1
4			8.1	30.7
bl			8.6	30.2
WL			8.2	30.6
	200	S of	Main st	
WL			10.0	28.8
bl			10.2	28.6
4			10.0	28.8
6			9.7	29.1
4			8.8	30.0
bl			8.5	30.3
El			8.5	30.3
TP	1.50	28.02	12.2	26.52

28.02 29.0 st

	225'	S of	Main st	
El			0.0	28.0
bl			0.1	27.9
4			0.8	27.2
6			1.4	26.6
4			1.5	26.5
bl			1.8	26.2
WL			2.1	25.9
	250'	S of	Main st	
WL			4.4	23.6
bl			4.4	23.6
4			4.4	23.6
6			4.4	23.6
4			4.4	23.6
bl			3.2	24.8
El			3.0	25.0

2802

275' S of Main st

EL	5.9	22.1
bb	6.3	21.7
"	7.6	20.4
b	8.3	19.7
"	8.1	19.9
bb	7.8	20.2
WL	7.8	20.2

300' S = N line Colton - ave

WL	10.6	17.4
bb	11.4	16.6
"	11.8	16.2
b	12.2	15.8
"	12.5	15.5
bb	12.4	15.6
EL	12.1	15.9

POSTED

Continued on Page 74

Levels for Profile over Property & Center Lines of Newton ave (80')

S 20th to Pueblo Lin S

					Bm
	3.60	3.38		-.22	
N	East Lin of 20th st (60')				
NL			4.7	-1.3	
C			0.8	2.6	
SL			6.0	-2.6	
	POSTED	w of	20th st		
SL			6.0	-2.6	
C			1.0	2.4	
NL			3.3	0.1	
	100'	w of	20th st		
NL			3.0	0.4	
C			1.0	2.4	
SL			6.1	-2.7	
	150'	w of	20th st		
SL			6.0	-2.6	
C			0.9	2.5	
NL			4.8	-1.4	

		3.38		Newton
	200'	w of	20th st	
NL			5.0	-1.6
C			0.9	2.5
SL			6.1	-2.7
	250'	w of	20th st	
SL			6.1	-2.7
C			0.9	2.5
NL			4.9	-1.5
TP	5.10	3.81	4.67	-1.29
	300'	w of	20th st	
NL			5.3	-1.5
C			1.3	2.5
SL			6.6	-2.8
	350'	w of	20th st	
SL			6.7	-2.9
C			1.2	2.6
NL			5.2	-1.4

3.81

	400'	W of	20 ft	20
N L			5.1	−1.3
b			1.2	2.6
S L			6.5	−2.7
	450'	W of	20 ft	20
S L			6.0	−2.2
b			1.2	2.6
N L			5.0	−1.2
	500'	W of	20 ft	20
N L			5.0	−1.2
b			1.2	2.6
S L			7.5	−3.7
	550	W of	20 ft	20
S L			3.7	−1.9
b			1.2	2.6
N L			4.8	−1.0

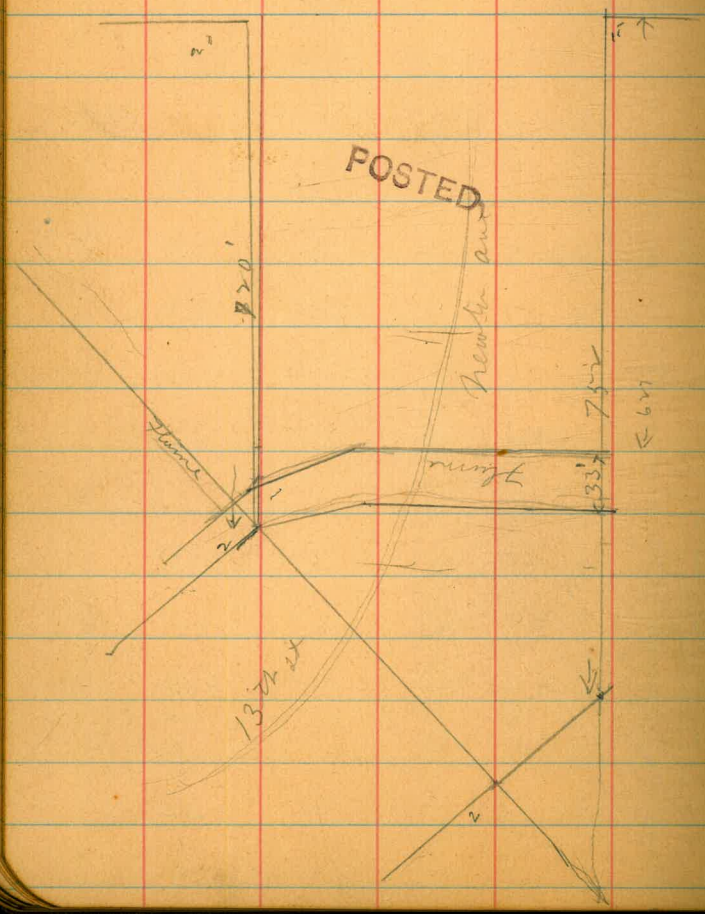
3.81 Newton

	600'	W of	20 ft	20 = E L 19(5')
N L			4.5	−0.7
b			1.4	2.4
S L			6.8	−3.0
TP	1.68	45	0.97	2.84 on Bridge
	627	W of	20 ft	20 = Flume
S L			6.0	−1.5
Top of Flume			3.1	1.4
b on Bridge			2.1	2.4
N L			5.6	−1.8
Top of Flume 647		N Side	1.5	3.0
	700'	W of	20 ft	20
N L on Flume			8.0	−3.5
b			2.0	2.5
S L			4.7	−0.2
	720'	W of	20 ft	20 = 13 ft 21 about E L 06
N L (on Flume)			6.5	−2.0

452

752' W = about W S of 13th st

S S	5.5	−1.0
b	5.0	−0.5



Clough
Taylor
Cravyn
Jan 1908

Crossection of Polk st (80')
E L Park Blvd to W L Georgia st

	4.90	349.01		344.11	BM SE campus of Univ
	0.64	344.57	5.08	343.93	
	E L Park Blvd				
SL			7.4	337.2	
bh	POSTED		7.5	337.1	
"			7.3	337.3	
b			6.9	337.7	
"			7.2	337.4	
bh			6.9	337.7	
NL			6.4	338.2	
	25' E of Park B				
NL			6.8	337.8	
bh			7.4	337.2	
"			7.6	337.0	
b			7.1	337.5	
"			7.7	336.9	
bh			7.7	336.9	
SL			7.6	337.0	

344.57 Polk st

	50' E of Park B			
SL			8.2	336.4
bh			8.0	336.6
"			8.3	336.3
b			7.3	337.3
"			7.7	336.9
bh			7.9	336.7
NL			7.8	336.8
	75' E of Park B			
NL			7.8	336.8
bh			7.9	336.7
"			8.0	336.6
b			7.4	337.2
"			8.1	336.5
bh			8.1	336.5
SL			8.1	336.5

34457

	100'	E of	Park	Blvd
SL			7.9	336.7
bl			8.1	336.5
y			8.0	336.6
b			7.5	337.1
y			7.8	336.8
bl			7.8	336.8
NL			7.6	337.0
TP	5.35	34234	7.58	336.99
	125'	E of	Park	Blvd
NL			5.3	337.0
bl			5.2	337.1
y			5.7	336.6
b			5.0	337.3
y			5.8	336.5
bl			5.8	336.5
SL			5.7	336.6

34234 Park

	150'	E of	Park	B
SL			5.0	337.3
bl			5.6	336.7
y			5.5	336.8
b			4.9	337.4
y			5.2	337.1
bl			5.3	337.0
NL			5.3	337.0
	175'	E of	Park	B
2-bl			5.3	337.0
y			5.3	337.0
b			4.7	337.6
y			5.4	336.9
bl			5.0	337.3
SL			5.4	336.9

N curb + sidewalk are in on E ½ of Block

34234

	200'	E of	Park	Blvd
SL			5.4	336.9
bl			5.3	337.0
y			5.1	337.2
b			4.7	337.6
y			5.4	336.9
bl			5.3	337.0
	225'	E of	Park	B
n bl			5.4	336.9
y			5.3	337.0
b			4.7	337.6
y			5.4	336.9
bl			5.3	337.0
SL			5.2	337.1

34234 Polk

	250'	E of	Park	Blvd
SL			3.8	338.5
bl			4.6	337.7
y			5.2	337.1
b			4.9	337.4
y			5.2	337.1
bl			5.3	337.0
	275'	E of	Park	B
n bl			4.9	337.4
y			5.1	337.2
b			4.8	337.5
y			5.4	336.9
bl			5.0	337.3
SL			4.3	338.0

34234

	300'	E =	W L of Georgia	
SR			5,2	337.1
bl			5,3	337,0
4			5,6	336.7
b			5,2	337.1
4			5,8	336.5
bl			5,7	336.6

POSTED

Clough
Taylor
Dunya
Jan 15 08

Crossection of Upas st (30')(40')
6th to 7th st

Bm	6.13	292.61		286.48	Bm 5+ nm walnut
TP	6.10	295.25	3.46	289.15	
	E line of	6th st			
N L			5.8	289.5	
10' S			6.1	289.2	
20' S			6.4	288.9	
Park L			6.5	288.8	
10' S			6.7	288.6	
	7' E of	6th st			
N L			9.0	286.3	
10' S			7.2	288.1	
20' S			6.4	288.9	
	25'	E of	6th st		
N L			8.2	287.1	
10' S			7.2	288.1	
20' S			7.0	288.3	
Park L			6.5	288.8	
10' S			6.1	289.2	

POSTED

295.25 Upas

	50'	E of	6th st	
N L			7.0	288.3
10' S			6.7	288.6
20' S			6.3	289.0
Park L			5.9	289.4
10' S			5.8	289.5
	75'	E of	6th st	
N L			5.5	289.8
10' S			5.5	289.8
20' S			5.8	289.5
Park L			5.4	289.9
10' S			5.0	290.3
	100'	E of	6th	
N L			4.6	290.7
10' S			4.5	290.8
20' S			5.2	290.1
Park L			4.6	290.7
10' S			4.6	290.7

POSTED

		295.25		
	125'	E of	6th st	
N L			4,3	291.0
10' S			4,3	291.0
20' S			4,8	290.5
Park L			4,5	290.8
10' S			4,1	291.2
	150'	E of	6th st	
N L			3,8	291.5
10' S			4,1	291.2
15' S			5,0	290.3
20' S			4,6	290.7
Park L			4,5	290.8
15' S			5,0	290.3
10' S			4,1	291.2
	175'	E of	6th st	
N L			3,8	291.5
10' S			3,9	291.4
15' S			5,0	290.3
20'			4,9	290.4
Park L			4,6	290.7
5' S			5,1	290.2
10' S			3,8	291.5

		295.25		Upas
TP	0,86	292.23	3,88	291.37
	200'	E of	6th st	
N L			1,2	291.0
10' S			1,1	291.1
13' S			2,6	289.6
20' S			2,2	290.0
Park			2,1	290.1
5' S			2,5	289.7
10' S			1,2	291.0
	225'	E of	6th st	
N L			3,0	289.2
10' S			2,5	289.7
15' S			4,3	287.9
20' S			3,6	288.6
Park L			3,4	288.8
5' S			3,7	288.5
10' S			2,2	290.0
	250	E of	6th st	
N L			5,8	286.4
10' S			5,7	286.5
20' S			5,2	287.0
Park			5,0	287.2
10' S			4,8	287.4

29223

	275	E of	6th	st
N L			7,9	284.3
10' S			7,7	284.5
20' S			7,0	285.2
Park L			7,0	285.2
10' S			7,5	284.7
	300' E = W L		7th	st
N L			9,2	283.0
10' S			9,1	283.1
20' S			8,5	283.7
Park L = 29.5' S of N L			8,1	284.1
10' S			8,7	283.5

POSTED

Crossection of 19th st (80')

S Line of N st to S d of Sherwans

	0.16	60.75		60.59	BM NE b M + 19th Top Cement Post
TP	0.88	48.87	12.76	47.99	
TP	0.90	37.22	12.55	36.32	
	S Line of N St				
EL			6.8	30.4	
bh			6.8	30.4	
y			7.1	30.1	
b			7.5	29.7	
y			7.9	29.3	
bh			8.2	29.0	
WL			7.9	29.3	
	25' S of N St				
WL			8.3	28.9	
bh			9.3	27.9	
y			8.8	28.4	
b			8.7	28.5	

POSTED

		37.22		19th st
y			8.4	28.8
bh			7.9	29.3
EL			7.2	30.0
	50' S of N St			
EL			10.0	27.2
bh			10.0	27.2
y			10.8	26.4
b			11.8	25.4
y			12.0	25.2
bh			12.3	24.9
WL			12.9	24.3
TP	0.85	25.42	12.65	24.57

POSTED

25.42

75' E of N St

WL		4,0	21.4
bb		3,7	21.7
y		3,9	21.5
b		4,4	21.0
y		5,4	20.0
bl		5.3	20.1
EL		5,3	20.1

100' S of N St

EL		5,5	19.9
bb		5,9	19.5
y		6,0	19,4
b		6,0	19,4
y		6,1	19.3
bl		6,2	19.2
WL		6.0	19.4

25.42 19th St

127' S = S L Sherwans

S Line of Sherwans

WL		8,0	17.4
bb		7,3	18.1
y		6,8	18.6
b		7,0	18.4
y		6,0	19,4
bl		5,5	19.9
EL		5,1	20.3

POSTED

12.33

Cross-Section Union St from N Line Laurel to N. Line Maple

B.M. Spk in Post S.W. Cor Union and Kalmia 114.41

	+R	H.I	-R	Elev
B.M.	12.33	126.74		
T.P.	5.98	130.56	2.16	124.58
	N.L. Laurel			
E			0.0	130.6
Crb			2.0	128.6
1/4			3.6	127.0
M			6.4	124.2
1/4			9.4	121.2
Crb			11.8	118.8
W.			14.5	116.1
		+25'	N	
E			1.6	129.0
Crb			3.1	127.5
1/4			4.9	125.7
M.			7.9	122.7
1/4			10.7	119.9
Crb.			14.6	116.0
W.			17.2	113.4

POSTED

Dunkle
Domian
Shaw

1/31/08

W. Side taken with Lock Level

	+R	H.I. 130.56	-R	
		+50	N	
E			2.9	127.7
Crb			5.4	125.2
1/4			8.0	122.6
M			10.3	120.3
1/4			13.4	117.2
Crb			16.8	113.8
W			20.4	110.2
		+75'	N	
E			4.9	125.7
+7			7.4	123.2
Crb			8.6	122.0
1/4			10.9	119.7
M.			13.5	117.1
1/4			17.2	113.4
Crb			20.6	110.0
W			24.1	106.5

		130.56		
T. P.	0.74	122.53	8.77	121.79
	+ 100	N		
E			1.1	121.4
Crb			5.0	117.5
1/4			8.3	114.2
M			10.7	111.8
1/4			14.2	108.3
+ 10			16.8	105.7
crb			18.1	104.4
~~+ 11~~ + 9			19.3	103.2
W.			20.9	101.6
	1 + 25'	N		
E			8.0	114.5
Crb			11.3	111.2
1/4			14.4	108.1
M			17.1	105.4
+ 11			17.9	104.6
1/4			18.9	103.7
crb			20.7	101.8
+ 6			20.9	101.6
W			23.3	99.2

		122.53		
T. P.	0.58	110.15	12.96	109.57
	1 + 50'	N		
E			2.0	108.2
crb			4.7	105.5
1/4			6.6	103.6
M			8.8	101.4
1/4			10.5	99.7
crb			12.6	97.6
W			13.9	96.3
	1 + 75'	N		
E			6.4	103.8
crb			8.2	102.0
+ 11			10.2	100.0
1/4			12.1	98.1
M.			13.6	96.6
1/4			15.1	95.1
crb			16.8	93.4
W			17.7	92.5

110.15

T.P.	0.42	98.01	12.56	97.59

2+00 N

E	0.8	97.2
crb	2.0	96.0
1/4	3.4	94.6
M	4.2	93.8
1/4	4.9	93.1
+8	5.1	92.9
+11	5.9	92.1
crb	5.3	92.7
+6 east side bldg	4.8	93.2
Top W. Bldg	2.0	96.0

2+18 N

E	3.6	94.4
crb	4.8	93.2
+8	5.3	92.7
1/4	6.6	91.4
+5	7.3	90.7
M.	7.2	90.8
1/4	8.8	89.2
+8	10.5	87.5
crb	10.2	87.8
W	10.8	87.2

2+25 N
98.01

E	3.9	94.1
crb	5.5	92.5
1/4	7.1	90.9
M.	8.0	90.0
1/4	9.9	88.1
+7	11.5	86.5
crb	9.9	88.1
Top oil tank W.	8.30	89.7

2+50 N

E	8.6	89.4
crb	9.4	88.6
1/4	9.7	88.3
+10	10.3	87.7
M	11.3	86.7
1/4	13.2	84.8
crb	13.6	84.4
W	13.5	84.5

T.P.	0.60	85.73	12.88	85.13

85.73 H.E

2+75' N

E	0.7	85.0
crb	1.4	84.3
1/4	2.0	83.7
M	3.1	82.6
1/4	4.2	81.5
+ 5	4.4	81.3
crb	6.5	79.2
W	7.4	78.3

3+00 N = S.L. Maple

E	3.0	82.7
crb	3.0	82.7
1/4	3.9	81.8
~~M~~		
M	6.0	79.7
1/4	7.1	78.6
crb	8.0	77.7
W	10.1	75.6

S. Curb Maple

E	5.2	80.5
crb	5.6	80.1
1/4	6.3	79.4
M.	6.7	79.0
1/4	8.0	77.7
crb	9.9	75.8
W	11.4	74.3

S 1/4 ~~[illegible]~~

E	6.4	79.7
crb	7.2	78.5
1/4	7.8	77.9
M	8.1	77.6
1/4	9.3	76.4
crb	11.0	74.7
+8	11.9	73.8
W	13.6	72.1

POSTED

B.M. 1.14

85.73

center ~~[illegible]~~

E			8.0	77.7
crb			8.5	77.2
1/4			8.3	77.4
M			9.0	76.7
1/4			10.1	75.6
Crb			12.9	72.8
W			14.5	71.2
T. P.	3.46	77.67	11.52	74.21

N 1/4

E			3.6	74.1
crb			2.7	75.0
1/4			0.9	76.8
M			1.8	75.9
1/4			3.7	74.0
Crb			5.2	72.5
+2			5.4	72.3
+4			6.6	71.1
W			7.0	70.7

N. curb

77.67

E			7.5	70.2
Crb			6.7	71.0
1/4			5.8	71.9
M			5.6	72.1
1/4			6.4	71.3
+6			6.6	71.1
+8			8.2	69.5
crb			8.2	69.5
W			7.5	70.2

N. L. Maple

E			10.9	66.8
crb			11.0	66.7
1/4			11.3	66.4
M			10.3	67.4
1/4			9.3	68.4
+5			9.0	68.7
crb			9.7	68.0
W			10.7	67.0

POSTED

X Section Maple From E. L. India

To Albatross.

B.M. S.W. Cor Kalmia & India

	+ R	H. I	- R	Elev	43.00
~~T.P.~~ B.M	12.12	55.12			
T.P.	9.98	64.97	0.13	54.99	
T.P.	12.43	76.12	1.28	63.69	
T.P.	12.09	87.57	0.64	75.48	

E. L. India

S			3.3	84.3
+2			7.3	80.3
Crb			8.3	79.3
+1			9.0	78.6
1/4			9.1	78.5
M			8.6	79.0
1/4			8.6	79.0
crb			6.8	80.8
+13			2.7	84.9
N			+0.6	88.2
		25' E		
N			+3.0	90.6
+1			+2.8	90.4
+2			0.0	87.6
crb			4.5	83.1
1/4			5.3	82.3
M			6.1	81.5
1/4			7.1	80.5
crb			7.2	80.4
+11			5.8	81.8
+13			0.7	86.9
S			0.7	86.9

POSTED

1/31/08 Dunkle Duncan Shaw

T.P.	12.34	95.57	4.34	83.23
		50' E		
S			6.5	89.1
+2			6.5	89.1
+3			9.9	85.7
+8			13.0	82.6
crb			13.7	81.9
1/4			13.5	82.1
M			12.5	83.1
1/4			10.7	84.9
crb			10.3	85.3
+6			8.7	86.9
+13			2.6	93.0
N			2.5	93.1
		75' E		
N			0.6	95.0
+1			0.6	95.0
+9			7.3	88.3
crb			8.2	87.4
1/4			8.9	86.7
M			10.8	84.8
1/4			11.5	84.1
crb			11.4	84.2
+6			11.0	84.6
+9			9.4	86.2
+11			4.7	90.9
S			4.8	90.8

POSTED

95.57

100' E

S.			3.5	92.1
+ 3			3.3	92.3
+ 5			6.4	89.2
+ 8			8.1	87.5
crb			8.6	87.0
1/4			9.2	86.4
M			7.6	88.0
1/4			6.2	89.4
crb			4.6	91.0
+ 7			4.0	91.6
+ 13			+ 1.0	96.6
N			+ 1.1	96.7
T.P.	6.03	101.48	0.12	95.45

125' E

N			2.8	98.7
+ 3			4.0	97.5
+ 4			5.2	96.3
+ 8			6.6	94.9
crb			6.7	94.8
1/4			5.6	95.9
+ 6			8.9	92.6
M			10.5	91.0
1/4			11.3	90.2
crb			11.9	89.6
+ 5			11.9	89.6
+ 11			8.6	92.9
S			8.8	92.7

POSTED

150' E

101.48

S	8.5	93.0
+ 5	8.9	92.6
+ 6	9.8	91.7
+ 11	10.1	91.4
crb	10.2	91.3
1/4	7.8	93.7
M	7.0	94.5
1/4	5.4	96.1
crb	4.5	97.0
+ 13	2.7	98.8
N	1.5	100.0

175' E

N	1.7	99.8
+ 2	2.1	99.4
crb	3.1	98.4
1/4	4.6	96.9
M	6.2	95.3
1/4	7.2	94.3
crb	8.8	92.7
+ 5	9.2	92.3
+ 11	8.2	93.3
S	8.5	93.0

200' E = W.L. Columbia
101.48

S	8.7	92.8
Crb	7.4	94.1
1/4	6.2	95.3
M	5.5	96.0
1/4	4.0	97.5
Crb	2.2	99.3
+10	0.8	100.7
N	1.2	100.3

W. curb Columbia

N	0.3	101.2
Crb	2.0	99.5
1/4	3.5	98.0
M	5.0	96.5
1/4	6.0	95.5
Crb	7.0	94.5
S	8.5	93.0

W 1/4
101.48

S	9.2	92.3
Crb	7.3	94.2
1/4	6.2	95.3
M	4.6	96.9
1/4	2.8	98.7
Crb	1.9	99.6
N	0.5	101.0

center

N	0.6	100.9
Crb	1.9	99.6
1/4	3.0	98.5
M	5.2	96.3
1/4	6.9	94.6
Crb	8.6	92.9
S	10.5	91.0

1/31/08

E 1/4 Columbia

101.48

S	11.7	89.8	
Crb	9.2	92.3	
1/4	7.6	93.9	
M	5.5	96.0	
1/4	3.8	97.7	
Crb	2.5	99.0	
N	0.8	100.7	

E Curb

N	1.5	100.0	
Crb	3.6	97.9	
1/4	5.5	96.0	
M	6.9	94.6	
1/4	8.3	93.2	
Crb	9.9	91.6	
S	12.3	89.2	

E. L. Columbia

101.48

S			13.4	88.1	
Crb			11.0	90.5	
1/4			9.4	92.1	
M			7.9	93.6	
1/4			6.2	95.3	
Crb			4.8	96.7	
N			2.8	98.7	
T.P.	2.20	98.32	5.36	96.12	center plug Col & Maple 2/1/08

25' E

N	0.1	98.2	
Crb	2.8	95.5	
1/4	4.8	93.5	
M	6.8	91.5	
1/4	9.3	89.0	
Crb	11.5	86.8	
S	14.1	84.2	

2/1/08 Dunkle
Dorman
Shaw

		98.32		
		50' E		
S			17.9	80.4
Crb			15.1	83.2
1/4			13.9	84.4
M			10.5	87.8
1/4			8.5	89.8
Crb			6.2	92.1
N			3.3	95.0
T.P.	0.32	90.77	7.87	90.45
		75' E		
N			0.5	90.3
Crb			2.7	88.1
1/4			5.1	85.7
M			7.3	83.5
1/4			9.5	81.3
Crb			11.8	79.0
S			14.6	76.2

		90.77		
		100'		
S			21.7	69.1
Crb			17.4	73.4
1/4			14.8	76.0
M			12.4	78.4
1/4			10.1	80.7
Crb			7.4	83.4
N			4.7	86.1
T.P.	0.43	81.57	9.63	81.14
		175 E		
N			0.6	81.0
Crb			2.4	79.2
1/4			4.9	76.7
M			8.7	72.9
1/4			12.3	69.3
Crb			15.4	66.2
S.			18.7	62.9

		81.57		
		1+32 E		
S. 0+0			20.0	61.6
S. 0+0			24.9	56.7
Crb			17.1	64.5
1/4			14.3	67.3
M			11.1	70.5
1/4			7.3	74.3
Crb			5.6	76.6
N			2.4	79.2
T.P.	0.73	72.10	9.70	71.87
		1+50 E		
N			+3.9	76.0
Crb			0.2	71.9
1/4			3.4	68.7
M.			6.0	66.1
+6			6.9	65.2
1/4			11.6	60.5
+4			14.7	57.4
Crb			15.6	56.5
S			16.9	55.2

		1+75 E		
		72.10		
N			2.7	69.4
Crb			6.3	65.8
1/4			9.7	62.4
M			15.4	56.7
1/4			15.6	56.5
+3			15.7	56.4
+7			18.4	53.7
Crb			18.7	53.4
S.			19.1	53.0
T.P.	1.48	61.17	12.41	59.69
		200 E = W. L. State		
N			+4.5	65.7
+6			3.2	58.0
Crb			3.3	57.9
+7			3.5	57.7
+10			6.0	55.2
1/4			6.4	54.8
M			7.3	53.9
1/4			7.5	53.7
Crb			7.6	53.6
S			7.7	53.5

61.17
2+04 E

S	7.7	53.5
Crb	7.6	53.6
1/4	7.5	53.7
M	7.4	53.8
1/4	7.1	54.1
+7	6.7	55.0
+11	3.6	57.6
Crb	3.4	57.8
N	3.0	58.2

W. curb state

N	3.3	57.9
+3	3.4	57.8
+10	6.5	54.7
Crb	6.9	54.3
1/4	7.4	53.8
M	7.3	53.9
1/4	7.5	53.7
Crb	7.7	53.5
S	7.7	53.5

POSTED

W 1/4 State
61.17

S	7.7	53.5
Crb	7.6	53.6
1/4	7.5	53.7
M	7.6	53.6
1/4	7.4	53.8
Crb	7.2	54.0
N	6.7	54.5

Center

N	6.8	54.4
Crb	7.2	54.0
1/4	7.4	53.8
M	7.6	53.6
1/4	7.6	53.6
Crb	7.8	53.4
S	7.8	53.4

61.17.

E 1/4 state

S		7.6	53.6
Crb		7.6	53.6
1/4		7.6	53.6
M		7.6	53.6
1/4		7.3	53.9
Crb		7.1	54.1
N		6.7	54.5

E. CURB

N		7.1	54.1
Crb		7.1	54.1
1/4		7.2	54.0
M		7.4	53.8
1/4		7.4	53.8
Crb.		7.6	53.6
S		7.5	53.7

E. L. State

61.17

S		7.7	53.5
Crb		7.7	53.5
1/4		7.6	53.6
M		7.4	53.8
1/4		7.2	54.0
Crb		7.0	54.2
N		6.7	54.5

25' E

N		6.9	54.3
Crb		7.1	54.1
1/4		7.3	53.9
M		7.4	53.8
1/4		7.8	53.4
Crb		7.9	53.3
S		8.3	52.9
T.P.	1.16	50.12	12.21	48.96

		50.12		
		50' E		
S			13.5	36.6
Crb			13.4	36.7
1/4			12.9	37.2
M			13.3	36.8
1/4			13.0	37.1
crb			12.7	37.4
N			12.4	37.7
		+ 75'		
N			4.9	45.2
Crb			5.8	44.3
1/4			6.2	43.9
M.			6.7	43.4
+ 10			6.3	43.8
1/4			5.5	44.6
crb			1.3	48.8
S			+ 0.5	50.6
T. P.	10.53	59.49	1.16	48.96

		78' E		
		59.49		
S			7.3	52.2
crb			8.6	50.9
1/4			13.5	46.0
+ 4			15.4	44.1
M			15.7	43.8
1/4			15.0	44.5
Crb			14.6	44.9
N			13.9	45.6
		100' E		
N			9.5	50.0
+ 2			9.3	50.2
+ 5			7.0	52.5
crb			6.1	53.4
1/4			6.5	53.0
M			6.8	52.7
1/4			6.0	53.5
crb			6.3	53.2
S			6.6	52.9

		59.49 125' E		
S			5.2	54.3
crb			4.2	55.3
1/4			3.8	55.7
M			2.3	57.2
1/4			1.9	57.6
crb			2.1	57.4
N			2.1	57.4
		150' E		
T.P.	11.36	68.48	2.37	57.12
N			9.5	59.0
crb	POSTED		8.8	59.7
1/4			7.6	60.9
+ 9			6.7	61.8
M			10.1	58.4
1/4			11.0	57.5
crb			11.7	56.8
S			12.6	55.9

		1+75 E 68.48		
S			12.5	56.0
crb			12.0	56.5
1/4			11.2	57.3
+ 8			7.8	60.7
+ 9			0.3	68.2
M			0.4	68.1
1/4			0.6	67.9
crb			1.5	67.0
N			5.4	63.1
T.P.	10.45	78.55	0.38	68.10
		1+80		
N			15.5	63.1
crb			10.2	68.4
1/4			8.8	69.8
M			8.8	69.8
+ 6			9.2	67.4
+ 8			20.8	57.8
1/4			21.2	57.4
crb			22.0	56.6
S			22.2	56.4

1+84
78.55

S	5.4	73.2
crb	6.6	72.0
1/4	7.7	70.9
M	8.1	70.4
1/4	8.0	70.6
crb	9.1	69.5
N	13.3	65.3
T.P.	2.04	

Int Union & Maple X-Sectioned.

POSTED

Crossection of 29th st (60')

N Line of Coulton to N L Bay

BM	0.30	39.35		39.05	Main + 2n SW Pole
TP	0.46	26.96	12.85	26.50	
TP	2.60	17.55	12.01	14.95	
		N Line of Coulton (80')			
EL			1.70	15.8	
bl			1.6	16.0	
"			2.0	15.6	
b			1.8	15.8	
"			1.4	16.2	
bl			0.8	16.8	
WL			0.1	17.5	

POSTED

		1755		29th
	N bb of Coulton			
WL			1.2	16.4
bl			2.6	15.0
"			3.0	14.6
b			3.7	13.9
"			4.5	13.1
bl			3.1	14.5
EL			3.3	14.3
	N 1/4 of Coulton			
EL			5.5	12.1
bl			6.0	11.6
"			6.5	11.1
b			5.8	11.8
"			5.5	12.1
bl			4.3	13.3
WL			2.3	15.3

POSTED

1755

Center of Coulter

WL	24	13.2
bb	4,8	12.8
4	6,6	11.0
b	7,6	10.0
4	8,0	8.6
bb	8,5	9,1
EL	8,6	9.0

S 1/4 of Coulter

EL	11,0	6.6
bb	9,9	7.7
4	10,0	7.6
b	8,5	9.1
4	7,5	10.1
bb	3,6	12.0
WL	2,8	14.8

1755

S bb of Coulter

WL	2,2	14,4
bb	6,6	11.0
4	8,4	9,2
b	11,0	6.6
4	12,3	5.3
bb	12,9	4.7
EL	13,0	4.6

S L of Coulter

WL			7.8	9.8
bb			8,8	8.8
4			11,5	6.1
b			13,0	4.6
TP	3,2	785	13,0	453
4			4,2	3,6
bb			5,0	2.8
EL			5,1	2.7

7.85

5' S of Coulton

WL			3.1	4.7
bt			3.8	4.0
"			4.3	3.5
b			5.0	2.8
"			5.9	1.9
bt			5.2	2.6
EL			5.1	2.7

25' S of Coulton

EL			5.4	2.4
bt			5.6	2.2
+5			5.8	2.0
"			8.8	-1.0
b			8.7	-0.9
"			8.4	-0.6
bt			7.8	0.0
WL			5.4	2.3

7.85

50' S of Coulton

WL			5.8	2.0
bt			8.6	-0.8
"			10.0	-2.2
b			10.0	-2.2
"			9.6	-1.8
bt			5.0	2.8
EL			5.0	2.8

60' S of Coulton

EL			5.0	2.8
bt			8.0	-0.2
"			10.2	-2.4

7.85

70' S of Caulk

E2	10,8	-3.0
bl	10,8	-3.0
y	10,8	-3.0
b	10,8	-3.0
y	10,8	-3.0
bl	10,2	-2.4
W2	6,5	1.3

100' S of Caulk

W2	9,0	-1.2
bl	10,3	-2.5
y	10,9	-3.1
b	11,0	-3.2
y	11,0	-3.2
bl	11,2	-3.4
E2	11,0	-3.2

7.85

130' S of Caulk

E2	11,7	-3.9
bl	11,7	-3.9
y	11,1	-3.3
b	11,2	-3.4
y	11,2	-3.4
bl	11,0	-3.2
W2	9,6	-1.8

200' S of Caulk

W2	10,1	-2.3
bl	11,2	-3.4
y	11,4	-3.6
b	11,6	-3.8
y	11,6	-3.8
bl	11,7	-3.9
E2	11,6	-3.8

785

250' S of Coulter

EL	11.3	-3.5
bb	11.3	-3.5
y	11.3	-3.5
b	11.3	-3.5
y	11.2	-3.4
bl	11.1	-3.3
WL	9.1	-1.3

300' S = hd of Bay

WL	9.4	-1.6
bb	10.5	-2.7
y	10.7	-2.9
b	10.7	-2.9
y	10.7	-2.9
bl	10.8	-3.0
EL	10.8	-3.0
TP	10.85	-3.00

NE side Bay

POSTED

Clough Donner
3-18-11

X Sec of Alley (20') in Blk 2 Golden Hill
Bet 24 & 25 st A & B

	617	203.09		196.92	n w ⊙ 25 & B
		West Line of		25 ft st	
S			4.7	198.4	
b			5.1	198.0	
n			4.1	199.0	
	25'	w f	25 ft	st	
n			4.9	198.2	
b			5.1	198.0	
S			5.0	198.1	
	50'	w f	25 ft	st	
S			5.1	198.0	
b			5.1	198.0	
n			5.2	197.9	
	75'	w f	25 ft	st	
n			4.6	198.5	
b			5.1	198.0	
S			4.8	198.3	

203.09

Alley

Gradebook 67 p57

	100'	w f	25 ft	st
S			4.3	198.8
b			4.8	198.3
n			4.4	198.7
	125	w f	25 ft	st
n			3.1	200.0
b			3.8	199.3
S			3.4	199.7
	150'	w f	25 ft	st
S			2.4	200.7
b			2.8	200.3
n			2.1	201.0
	175'	w f	25 ft	
n			1.4	201.7
b			1.5	201.6
S			1.0	202.1
TP	6.06	208.31	0.84	202.25

208.31

	200'	w f	25-it st
s		4.0	204.3
b		5.0	203.3
n		5.1	203.2
	225'	w f	25-it st
n		3.5	204.8
b		4.1	204.2
s		4.1	204.2
	250'	w f	25-it
s		4.9	204.4
b		4.0	204.3
n		3.8	204.5
	275'	w f	25-it
n		4.3	204.0
b		4.3	204.0
s		4.1	204.2

208.31 Alloy

	300'	w f	25-it st
s		4.3	204.0
b		4.9	203.4
n		5.1	203.2
	325'	w f	25-it st
n		6.2	202.1
b		5.8	202.5
s		5.3	203.0
	350'	w. f	25-it st
s		6.8	201.5
b		7.1	201.2
+6		7.1	201.2
n		9.3	199.0
	375'	w f	25-it st
n		11.5	196.8
+5'		8.3	200.0
b		8.4	199.9
s		8.2	200.1
TP	1.67	199.48	10.50	197.81

19948

		460'	w of	25th st	
s	s			0.9	198.6
b	b			1.3	198.2
	+8			1.2	198.3
n	n			2.8	196.7
		425'	w of	25th st	
n	n			3.7	193.8
	+4			2.4	197.1
b	b			2.3	197.2
s	s			2.5	197.0
		450'	w of	25th st	
s	s			4.0	195.5
b	b			4.8	194.7
n	n			5.2	193.9
	TP	0.55	19084	9.19	190.29
		475'	w of	25th st	
n	s			+0.4	191.2
b	b			0.0	190.8
s	+3			0.0	190.8
	n			1.5	189.3

19084 alley

	500' w of 25th st		
n		3.9	186.9
b		3.4	187.4
s		3.0	187.8
	525' w of 25th st		
s		4.8	186.0
b		5.4	185.4
n		5.7	185.1
	550' w of 25th st		
n		7.8	183.0
b		7.3	183.5
s		6.6	184.2
	575' w of 25th st		
s		7.9	182.9
b		9.0	181.8
n		9.8	181.0
	600' w = ⊥ of 24th st		
n		12.0	178.8
b		11.9	178.9
s		11.9	178.9

5.00
2.25
3.75
50
11.50
3.60
1.00
2.00
$18.10
28.00
46.

6907 N W Fence bar 294 Sogn

130.56
5.98
458

109.57
12.26
122.53

85.73
1.14
84.59

8.7

65.7

78.55
21.04
76.51

59.69
12.49
72.10

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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