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

400

LEVEL

F.B. 463

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

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

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	2 1/3	21	49	41	95 2/3
2	4 2/3	22	51 1/3	42	98
3	7	23	53 2/3	43	100 1/3
4	9 1/3	24	56	44	102 2/3
5	11 2/3	25	58 1/3	45	105
6	14	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/3	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/3	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 1/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

MICROFILMED
DEC 10 1964

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.

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

Crocker Quality

LEVEL BOOK

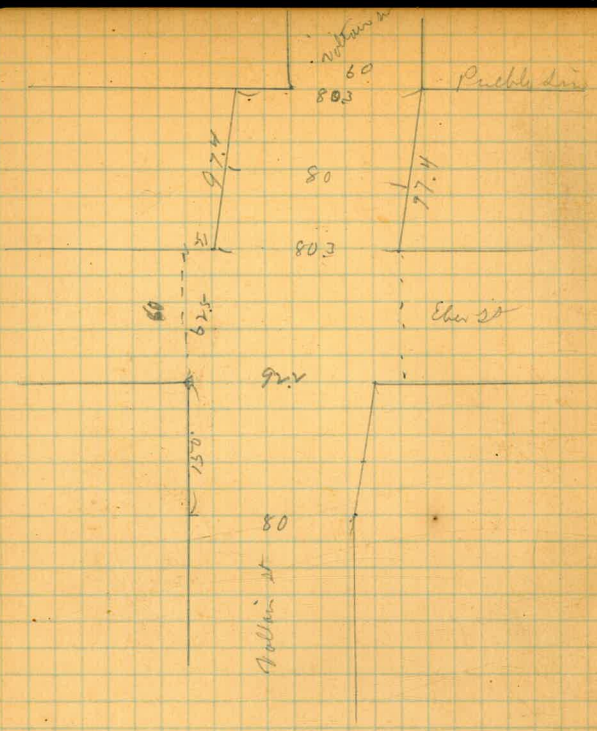
No. 400

COMMUNI COMSENSU PRIMO TRADE MARK

MANUFACTURED BY

A. S. Crocker Co.

SAN FRANCISCO
and
SACRAMENTO



Clough Oman Rodgers

Crossection of Voltair St (80')
From E L Pd 205 to End

1 2

5.13.09					BM monument
	6.94	85.94		79.00	Voltair + Mendocino
	4.02	89.48	0.46	85.46	
	.10	76.58	13.00	76.48	
	0.42	64.11	12.89	63.69	
	0.07	51.56	12.62	51.49	
	E L	Pd 205	= 97.4	E of Franklin St (80.3)	
NL			5.8	45.8	
bL			5.5	46.1	
"			5.1	46.5	
+11 = 2' n Rail			5.1	46.5	
-6+7'	2 S Rail		5.0	46.6	
"			5.3	46.3	
bL			5.3	46.3	
SL			5.3	46.3	
	Elev Rail			46.6	

		51.56		
	47.4	St = 50 E of Froude St		
SL			5.4	46.2
bh			5.6	
"			5.4	
+4'	= 2' S R		5.6	
b+1'	= 2' n R		5.5	
"			5.6	
bh			5.9	
nL			5.8	45.8
(80.3)	E line of Froude St (60')			
nL			6.1	45.5
bh			6.2	45.4
"			5.9	45.7
+12'	= 2' n R		5.8	45.8
b+8'	= 2' S R		5.9	45.7
"			5.8	45.8
bh			6.2	45.4
SL			5.6	46.0
	Elev of Rail			45.64

		51.56			Voltair St
		E bh of Froude St			2
SL			5.7	45.9	
bh			6.2	45.4	
"			5.9	45.7	
+3'	= 2' S of R		6.0	45.6	
b	= 2' n of R		6.1	45.5	
"			6.3	45.3	
bh			6.3		
nL			6.5	45.1	
	E 1/4 of Froude St				
nL			6.4	45.2	
bh			6.3		
"			6.2		
b			6.1		
+1	= 2' n of R		6.3		
+10			6.2		
"			5.8		
bh			5.8		
SL			5.8	45.8	

51.56

Center of Froude St

SL		5.6	46.0
bh		5.8	
y		6.0	
+2'	= 2' SR	6.3	
+11'	= 2' n Rai	6.4	
b		6.3	
y		6.3	
bh		6.4	
nL		6.4	45.2

W 1/4 of Froude St

nL		6.9	44.7
bh		6.7	
y		6.7	
b		6.3	
+3'	= 2' n of R	6.4	
+12	= 2 S of R	6.5	
y		6.2	
bh		6.1	
SL		6.0	45.6

51.56

Valtan

3

W bk of Froude St

SL		6.5	45.1
bh		6.7	
y		6.4	
+1'		6.6	
+10		6.5	
b		6.7	44.9
y		6.9	
bh		7.3	
nL		7.6	44.0

(92.2') W Line of Froude St

nL		7.3	44.3
bh		7.1	44.5
y		7.0	44.6
b		6.8	44.8
+4	= 2' n R	6.5	45.1
+13	= 2' S R	6.7	44.9
	Elev of Rai 44.90		
y		6.5	45.1
Cb.		6.4	45.2
S.L.		6.2	45.4
TP	0.78	46.16	6.18	45.38	[illegible]

		46.16		
(88')	50'	W of	Fraude st	
SL			2.1	44.1
bl			2.3	
y			2.3	
+1'	= 2' S Rail		2.6	
+10'	= 2' N Rail		2.6	
b			2.5	43.7
y			2.9	
bh			3.0	
NL			3.1	43.1
84	100'	W of	Fraude st	
NL			4.5	41.7
bh			4.6	41.6
y			4.4	41.8
b			4.1	42.1
+3'	= 2' N Rail		4.2	42.0
+	= 2' S Rail		4.0	42.2
y			3.7	42.5
bh			3.6	42.6
SL			3.7	42.5

		46.16		
(80')	150'	W of	Fraude	
SL			5.5	40.7
bl			5.9	
y			5.6	
+1'	= 2' S R		5.7	
+10	= 2' N R		5.7	
b			5.6	40.6
y			5.8	
bh			6.5	
NL			6.2	40.0
	200	W of	Fraude st	
NL			7.7	38.5
bh			8.0	38.2
y			7.6	38.6
b			7.4	38.8
+2'	= 2' N R		7.4	38.8
+11'	2' S R		7.4	38.8
y			7.3	38.9
bh			7.9	38.3
SL			7.4	38.8

		46.6			
	250	W of	Froude		
SL			8.9	37.3	
bl			9.1		
y			9.2		
+3' = 2' S of R			9.0		
+12' = 2' n of R			9.0		
b			9.0	37.2	
bl			9.1		
y/~~NL~~			9.7		
NL			9.0	37.2	
	300	W of	Froude		
NL			10.6	35.6	
bl			11.0	35.2	
y			10.5	35.7	
b			10.5	35.7	
				35.7	
+2' = 2' n R			10.5	35.7	
+11 = 2' S R			10.4	35.8	
y			10.5	35.7	
bl			11.2	35.0	
SL			10.5	35.7	
TP	130	36.74	10.72	35.44	

		36.74			Voltair
	350	W of	Froude	st.	
NL			2.3	34.4	
bl			2.5		
y			2.1		
+3' = 2' S R			2.4		
+12' = 2' n R			2.4		
b			2.4	34.3	
bl			2.2		
bl			2.8		
NL			2.3	34.4	
	400	W of	Froude		
NL			3.2	33.5	
bl			3.4	33.3	
y			3.2	33.5	
b			3.5	33.2	
+2'			3.6	33.1	
+11			3.6	33.1	
y			3.3	33.6	
bl			3.7	33.0	
SL			3.4	33.3	

	3	3674			
	450'	w of	Trouch St		
SL			4.2	32.5	
bh			4.3		
y			4.2		
+3'	= 2' S R		4.5		
+12'	= 2' n R		4.5		
b			4.5	32.2	
y			4.0		
bh			4.8		
nL			4.2	32.5	
	500'	w of	Trouch		
nL			4.9	31.8	
bh			5.7	31.0	
y			5.0	31.7	
b			5.2	31.5	
+1'	= 2' n R		5.3	31.4	
+10'	= 2' S R		5.0	31.7	
y			4.9	31.8	
bh			5.4	31.3	
SL			5.0	31.7	

		3674			Voltair
	550'	w of	Trouch St		
SL			5.6	31.1	
bh			5.6		
y			5.5		
+3'	= 2' S R		5.5		
+12'	= 2' n R		5.8		
b			5.8	30.9	
y			5.4		
bh			5.8		
nL			5.5	31.2	
	600'	w = E line of	Elev St	(60')	
nL			5.8	30.9	
bh			6.2	30.5	
y			5.9	30.8	
b			5.8	30.9	
+1'			6.0	30.7	
10'			6.0	30.7	
y			6.0	30.7	
bh			6.0	30.7	
SL			5.9	30.8	
	Elev of	Rail		30.63	

3674

E bb of Eber St

SL		6,4	30,3
bb		6,1	
y		5,8	
+3' = 2' S of R		6,1	
+12' = 2' n of R		6,1	
b		6,1	30.6
y		6,0	
bb		6,4	
nL		6,4	30.3

E 1/4 of Eber St

nL		5,8	30,9
bb		5,9	
y		5,8	
b		6,0	30,7
+1 = 2' n R		6,0	
+10 = 2' S R		6,1	
y		5,8	
bb		6,0	
SL		5,9	30.8

3674

V Altair

7

Center of Eber St

SL		5,7	31.0
bb		6,0	
y		5,9	
+3 = 2' S R		6,2	
+12 = 2' n R		6,2	
b		6,2	30.5
y		6,0	
bb		5,9	
nL		5,9	30.8

W 1/4 of Eber St.

nL		6,1	30.6
bb		6,1	
y		5,9	
b		6,4	30,3
+1' = 2' n R		6,4	
+10 = 2' S R		6,2	
y		6,0	
bb		6,1	
SL		6,1	30.6

		3674			
	W bk of Eber St				
SL			6,6	30,1	
bl			6,6		
4			6,2		
+3'	= 2' SR		6,5		
+12'	= 2' nR		6,5		
b			6,5	30,2	
4			6,1		
bl			6,5		
nL			6,6	30,1	
	W line of		Eber St		
nL			6,0	30,7	
bl			6,6	30,1	
4			6,2	30,5	
+1'	= 2' nR		6,4	30.3	
+10'	= 2' SR		6,5	30.2	
b	Elev of Rail	3024	6,2	30,5	
4			6,4	30.3	
bl			6,7	30.0	
SL			6,1	30.6	
TP	2,91	3373	5,92	30,82	Bm SW to Eber

		3373			Valtair
	50'	W of	Eber	St	8
SL			3,5	30.2	
bl			4,1		
4			3,5		
+3'	= 2' SR		3,8		
+12'	= 2' nR		4,0		
b			4,0	29.7	
4			3,4		
bl			3,8		
nL			3,5	30.2	
	100'	W of	Eber	St	
nL			4,0	29.7	
bl			4,4	29.3	
4			3,6	30,1	
b			4,1	29.6	
+1	= 2' nR		4,1	29.6	
+10	= 2' SR		4,2	29.5	
4			3,9	29.8	
bl			4,5	29.2	
SL			3,9	29.8	

3373

	150	W of	Elev	at
S2			4.4	29.3
bl			4.7	29.0
y			4.5	29.2
+3' = 2' S R			4.6	29.1
+12 = 2' N R			4.4	2
b			4.5	29.2
y			4.5	
bl			5.0	
N2			4.3	29.4

	200	W of	Elev	
N2			4.9	28.8
bl			5.4	28.3
y			5.0	28.7
b			5.0	28.7
+1			5.0	28.7
+10			5.0	28.7
y			4.9	28.8
bl			5.3	28.4
S2			5.0	28.7

3373 Valtura 9

	250	W of	Elev	
S2			5.6	28.1
bl			5.6	
y			5.4	
+3 = 2' S R			5.5	
+12 = 2' N R			5.5	
b			5.5	28.2
y			5.5	
bl			5.7	
N2			5.1	28.6

	300	W of	Elev	at
N2			5.4	28.3
bl			5.9	27.8
y			5.8	27.9
b			5.8	27.9
+1			5.8	27.9
+10			5.8	27.9
y			5.7	28.0
bl			6.3	27.4
S2			6.0	27.7

		33.73		
	350'	w f	Eber	st
sh			6.0	27.7
bh			6.7	
y			6.0	
+3'	=2' sR		6.2	
+12'	=2' nR		6.0	
b			~~6.0~~ 6.0	27.7
y			6.2	
bh			6.5	
nh			6.0	27.7
+p	31.2	31.31	5.54	28.19
	400'	w f	Eber	st
nh			4.0	27.3
bh			4.4	26.9
y			4.2	27.1
b			4.1	27.2
+1'	=2' nR		4.1	27.2
+10	=2' sR		4.0	27.3
y			4.0	27.3
bh			4.6	26.7
sh			4.0	27.3

		31.31			Vattain
	450'	w f	Eber	st	10
sh			4.1	27.2	
bh			4.8		
y			4.1		
+3	=2' sR		4.3		
+12'	=2' nR		4.2		
b			4.2	27.1	
y			4.5		
bh			4.5		
nh			4.2	27.1	
	500'	w f	Eber	st	
nh			4.7	26.6	
bh			4.5	26.8	
y			4.8	26.5	
b			4.7	26.6	
+1	=2' nR		4.7	26.6	
+10	=2' sR		4.7	26.6	
y			5.0	26.3	
bh			5.0	26.3	
sh			4.7	26.6	

3+31

	550'	W of Eber St		
SL			4.7	26.6
ll			4.7	26.6
y			5.0	26.3
+3	=2' SR		4.9	26.4
+12'	=2' NR		5.0	26.3
b			5.0	26.3
y			4.9	26.4
bl			5.0	26.3
NL			5.1	26.2
	600'	W = E Lin De Foe St (60')		
NL			5.2	26.1
bl			5.5	25.8
y			5.4	25.9
b			5.3	26.0
+1'	=2' NR		5.3	26.0
+10'	=2' SR		5.3	26.0
y			5.2	26.1
bl			5.3	26.0
SL			5.0	26.3
Elev of Rail				26.14

3+31

Voltaire

	Ebb of De Foe St			
SL			5.7	25.6
ll			5.6	
y			5.2	
+3	=2' SR		5.4	
+12	=2' NR		5.4	
b			5.3	26.0
y			5.5	
ll			5.6	
NL			5.9	25.4
	E 1/4 of De Foe St			
NL			5.3	26.0
ll			5.2	
y			5.3	
b			5.3	26.0
+1	=2' NR		5.3	
+10	=2' SR		5.3	
y			5.2	
bl			5.2	
SL			5.2	26.1

31.31

Center of De Foe St

SL			5.0	26.3
bl			5.0	
y			5.2	
+3'	= 2' S R		5.5	
+12	= 2' n R		5.2	
b			5.2	26.1
y			5.2	
bl			5.4	
nL			5.0	26.3

W 1/4 of De Foe St

nL			5.2	26.1
bl			5.2	
y			5.0	
b			5.2	26.1
+1	= 2' n R		5.2	
+10	= 2' S R		5.5	
y			5.3	
bl			5.1	
SL			5.1	26.2

31.31

W Cb of De Foe St

SL			5.9	25.4
bl			5.7	
y			5.5	
+3	= 2' S R		5.5	
+12	= 2' n R		5.4	
b			5.4	25.9
y			5.2	
bl			5.7	
nL			5.9	25.4

W Line of De Foe St

nL			5.3	26.0
bl			5.7	25.6
y			5.2	26.1
b			5.4	25.9
+1	= 2' n R		5.4	25.9
+10	= 2' S R		5.5	25.8
	Elev of Rail 26.00			
y			5.5	25.8
bl			5.6	25.7
SL			5.3	26.0
	2.94	29.01	5.24	26.07

Bm SW H De Foe

		29.01		
	50'	w of	De Fac	
SL			3,3	25.7
bl			3,3	
y			3,2	
+3'	=2' SR		3,5	
+12'	=2' nR		3,3	
b			3,3	25.7
y			3,4	
bl			3,3	
nL			3,4	25.6
	100'	w of	De Fac	
nL			3,7	25.3
bl			3,8	25.2
y			3,7	25.3
b			3,8	25.2
+1	=2' nR		3,8	25.2
+10	=2' SR		4,0	25.0
y			3,4	25.6
bl			3,7	25.3
SL			3,6	25.4

		29.01		Voltair 3
	150'	w of	De Fac	
SL			4,3	24.7
bl			4,3	
y			4,2	
+3'			4,4	
+12'			4,5	
b			4,5	24.5
y			4,4	
bl			4,0	
nL			4,2	24.8
	200'	w of	De Fac	
nL			4,7	24.3
bl			5,1	24.9
y			5,0	24.0
b			5,2	23.8
+1			5,2	23.8
+10			5,1	23.9
y			5,0	24.0
bl			5,0	24.0
SL			5,2	23.8

		29.01			
	250'	W of	De Zoe		
SL			5.8	23.2	
bl			5.8		
y			5.8		
+3			5.6		
+12			5.6		
b			5.8	23.2	
y			5.8		
bl			5.5		
nL			5.5	23.5	
	300'	W of	De Zoe		
nL			6.2	22.8	
bl			6.3	22.7	
y			6.3	22.7	
b			6.4	22.6	
+1			6.4	22.6	
+10			6.4	22.6	
y			6.4	22.6	
bl			6.3	22.7	
SL			6.5	22.5	

		29.01			Vastain
	350'	W	of De Zoe		
SL			7.2	21.8	
bl			7.0		
y			7.3		
+3			7.0		
+12			7.0		
b			7.4	21.6	
y			7.3		
bl			7.4		
nL			7.1	21.9	
TP	153	23.95	6.59	22.42	on Ht Stat
	400'	W of	De Zoe St		
nL			2.8	21.2	
bl			2.9	21.1	
y			2.7	21.3	
b			2.8	21.2	
+1	=2' nR		2.8	21.2	
+10	=2' S Row		2.9	21.1	
y			3.0	21.0	
bl			2.7	21.3	
SL			2.7	21.3	

		23.95			
	450'	w of	De Fa St		
SL			3.3	20.7	
bl			3.5		
y			3.3		
+3' = 2' SR			3.4		
+12' = 2' nR			3.4		
b			3.4	20.6	
y			3.4		
bl			3.3		
nL			3.3	20.7	
	500'	w of	De Fa St		
nL			4.0	20.0	
bl			4.2	19.8	?
y			4.2	19.8	
b			4.2	19.8	
+1			4.2	19.8	
+10			4.4	19.6	
y			4.2	19.8	
bl			4.6	19.4	
SL			4.6	19.4	

		23.95			Voltan
	550	w of	De Fa		
SL			5.0	19.0	
bl			5.0		
y			5.0		
+3			5.0		
+12			5.2		
b			5.2	18.8	
y			5.0		
bl			4.6		
nL			5.0	19.0	
	600'	w = E line of		Cable St (60)	
nL			5.7	18.3	
bl			5.6	18.4	
y			5.9	18.1	
+1			5.9	18.1	
+10			5.8	18.2	
b			5.9	18.1	
y			5.9	18.1	
bl			5.7	18.3	
SL			5.88	18.07	BM SEH Cable St
	Elev of Rail			18.20	

23.95

E bb of Cable St

SL		6.5	17.5
bb		6.5	
y		6.0	
+1'	=2' SR	6.1	
+10	=2' nR	6.0	
b		6.0	18.0
y		6.1	
bb		6.2	
nL		6.5	17.5

E 1/4 of Cable St

nL		6.0	18.0
bb		6.0	
y		6.2	
b		6.2	17.8
+1	=2' nR	6.2	
+10'	=2' SR	6.1	
y		6.0	
bb		6.1	
SL		6.1	17.9

23.95

Voltaire

Center of Cable St

SL		6.2	17.8
bb		6.2	
y		6.0	
+3'	=2' SR	6.3	
+12	=2' nR	6.3	
b		6.3	17.7
y		6.3	
bb		6.2	
nL		5.7	18.3

W 1/4 of Cable St

nL		6.0	18.0
bb		6.2	
y		6.3	
b		6.4	17.6
+1	=2' nR	6.4	
+10	=2' SR	6.3	
y		6.3	
bb		6.5	
SL		6.4	17.6

2395

	W bk of	Cable St		
SL			7.0	17.0
bk			6.9	
y			6.3	
+3' = 2' SR			6.5	
+12' = 2' nR			6.6	
			~~6.6~~	
b			6.6	17.4
y			6.4	
bk			6.7	
nL			6.5	17.5
	W Sin of	Cable St		
nL			6.2	17.8
bk			6.3	17.7
y			6.4	17.6
b			6.7	17.6
+1' = 2' nR			6.7	17.3
+10 = 2' SR			6.7	17.3
y			6.4	17.6
bk			7.2	16.8
SL			7.0	17.0
	Elev of	Rail		17.26

2395

Voltair

17

	50'	W of	Cable St	
SL			7.6	16.4
bk			7.8	
y			7.2	
+3' = 2' SR			7.4	
+12 = 2' nR			7.4	
b			7.4	16.6
y			7.3	
bk			7.0	
nL			7.1	16.9
TP	1.00	18.30	6.65	17.30
	100'	W of	Cable	
nL			2.3	16.0
bk			2.6	15.7
y			2.1	16.2
b			2.4	15.9
+1' = 2' nR			2.4	15.9
+10 = 2' SR			2.5	15.8
y			2.3	16.0
bk			2.6	15.7
SL			2.4	15.9

18.30

	150'	w.y	babb	v
SL			3.4	14.9
bb			3.4	"
y			3.2	
+3	=2'3R		3.2	
+12	=2'nR		3.2	
b			3.2	15.1
y			3.0	
bb			3.0	
nL			3.0	15.3

	200'	w.y	babb	
nL			3.9	14.4
bb			4.1	14.2
y			3.8	14.5
b			3.9	14.4
+1	=2'nR		3.9	14.4
+10	=2'3R		4.0	14.3
y			4.1	14.2
bb			4.1	14.2
SL			4.0	14.3

18.30

Vallair

18

	250'	w.y	babb	v
SL			5.0	13.3
bb			4.8	
y			5.0	
+3'	=2'3R		4.6	
+12	=2'nR		4.8	
b			4.8	13.5
y			4.8	
bb			5.4	
nL			4.8	13.5

	300'	w.y	babb	v
nL			5.4	12.9
bb			5.3	13.0
y			5.4	12.9
b			5.4	12.9
+1'	=2'nR		5.4	12.9
+10	=2'3R		5.6	12.7
y			5.9	12.4
bb			5.5	12.8
SL			5.5	12.8

1830

	350'	w of	Cabl st	
SL			6.1	12.2
bl			6.1	
y			6.1	
+3	=2' SR		5.9	
+12	=2' NR		5.9	
b			5.9	12.4
y			6.0	
bl			6.6	
NL			6.0	12.3
	400'	w of	Cabl st	
NL			6.6	11.7
bl			6.5	11.8
y			6.5	11.8
b			6.3	12.0
+1	=2' NR		6.3	12.0
+10	=2' SR		6.5	11.8
b			6.6	11.7
bl			6.6	11.7
SL			6.5	11.8

1830

Vallan

	450'	w of	Cabl st	
SL			7.7	10.6
bl			7.5	
y			7.6	
+3	=2' SR		7.2	
+12	=2' NR		7.1	
b			7.1	11.2
y			7.4	
bl			7.3	
NL			7.2	11.1
	501'	w =	Pueblo Sin	(WL PL 205)
NL			7.9	10.4
bl			8.0	10.3
y			8.1	10.2
b			8.0	10.3
+1	=2' NR		8.0	10.3
+10	Elev of Rail 1066 =2' SR		8.0	10.3
y			8.3	10.0
bl			8.0	10.3
SL			8.0	10.3
Bn			8.03	10.27

BN SE H
PS

Clough
Drum
Rodgers

Crossection of Lotus St (50')
WL Froude to Cable St

5-14-09 — W Lin of Froude St —

	261	47.99		45.38	
SL			5.20	42.79	Bm Sw Lotus & Froude
bl			5.3		
y			5.3		
b			5.2	42.8	
y			5.7		
bl			5.8		
SL			5.9	42.1	
	50'	W of	Froude	St	
NL			7.7	40.3	
bl			7.2		
y			7.4		
b			7.0	41.0	
y			7.2		
bl			7.0		
SL			7.0	41.0	

		47.99			Lotus
	100'	W of	Froude	St	
SL			8.4	39.6	
bl			8.6		
y			8.8		
b			8.6	39.4	
y			9.1		
bl			9.1		
NL			9.0	39.0	
	150'	W of	Froude	St	
NL			10.2	37.8	
bl			10.1		
y			10.1		
b			9.6	38.4	
y			9.9		
bl			9.8		
SL			9.7	38.3	

47.99

	200	w f	Froude n	
S2			10,5	37.5
bl			10,8	
4			10,8	
b			10,6	37,4
4			11,0	
bl			10,9	
n2			11,0	37.0
	250	w f	Froude n	
n3			11,6	36,4
bl			11,5	
4			11,9	
b			11,4	36.6
4			11,7	
bl			11,6	
S2			11,5	36,5
7p	175	38,15	11,09	3690

38.15

Lotus

	300	w f	Froude n	
S2			2,6	35.6
bl			2,7	
4			2,8	
b			2,4	35.8
4			2,8	
bl			2,5	
n2			2,5	35.7
	350	w f	Froude n	
n2			3,2	35.0
bl			3,7	
4			3,9	
b			3,5	34.7
4			3,7	
bl			3,7	
S2			3,6	34.6

		38.15			
	400'	w of	Fronde st		
SL			4,7	33.5	
bl			4,6		
y			4,5		
b			4,5	33.7	
y			4,6		
bl			4,5		
NL			4,2	34.0	
	450	w of	Fronde		
NL			5,2	33,0	
bl			5,3		
y			5,4		
b			5,0	33.2	
y			5,2		
bl			5,3		
SL			5,4	32.8	

		38.15			Lotus
	500'	w of	Fronde		
SL			6,2	32.0	
bl			6,0		
y			6,0		
b			5,5	32.7	
y			5,8		
bl			5,8		
NL			5,8	32.4	
	550'	w of	Fronde		
NL			6,4	31.8	
bl			6,2		
y			6,3		
b			6,3	31.9	
y			6,4		
bl			6,3		
SL			6,1	32.1	

		38.15			
	600'	W = E Line of	Eber St (60)		
SL			6.7	31.5	
bh			6.6		
"			6.8		
b			6.6	31.6	
"			6.7		
bh			6.7		
NL			6.7	31.5	
	E bb	of Eber St			
NL			7.6	30.6	
bh			7.5		
"			6.9		
b			7.1	31.1	
"			7.0		
bh			7.3		
SL			7.5		
TP	35.1	34.92	6.74	31.40	SE H Eber

		34.92			Lotus
	E 1/4	of	Eber	St	
SL			3.7	31.2	
bh			3.8		
"			3.6		
b			3.5	31.4	
"			3.5		
bh			3.5		
NL			3.6	31.3	
	Center	of	Eber	St	
NL			3.4	31.5	
bh			3.4		
"			3.3		
b			3.31	31.6	
"			3.4		
bh			3.4		
SL			3.6	31.3	

34.92

	W ¼ of	Eben	St
S 2		3,8	31.1
bk		3,8	
4		3,6	
6		3,4	31,3
4		3,5	
bk		3,5	
N 2		3,4	31,3

	W bk of	Eben	St
N 2		4,2	30.7
bk		3,7	
4		3,9	
6		3,6	31,3
4		3,9	
bk		4,3	
S 2		4,2	30,6

34.92

Lotus

	W line of	Eben	St
S 2		3,8	31.1
bk		3,9	
4		3,8	
6		3,4	31.1
4		3,7	
bk		3,7	
N 2		3,7	31.2

	50 W of	Eben	St
N 2		3,9	31,0
bk		4,0	
4		4,0	
6		3,8	31.1
4		3,9	
bk		3,9	
S 2		4,1	30.8

		3492			
	100'	W of	Eber	st	
SL			4,3	30.6	
bh			4,3		
y			4,3		
b			4,0	30.9	
y			4,3		
bh			4,1		
NL			4,1	30.8	
	150'	W of	Eber	st	
NL			4,8	30.1	
bh			4,4		
y			4,7		
b			4,4	30.5	
y			4,9		
bh			4,6		
SL			4,5	30.4	

		3492			Lotus
	200'	W of	Eber	st	
SL			5,3	29.6	
bh			5,0		
y			5,4		
b			4,8	30.1	
y			5,2		
bh			5,3		
NL			5,0	29.9	
	250'	W of	Eber	st	
NL			5,5	29.4	
bh			5,3		
y			5,6		
b			5,6	29.3	
y			5,8		
bh			5,5		
SL			5,7	29.2	

3492

	300'	N of	Elev	P
S2			62	28.7
BL			62	
4			62	
6			61	28.8
4			63	
BL			64	
N2			63	28.6
TP	262	3159	5-95	2897

	350'	N of	Elev	P
N2			35	28.1
BL			33	
4			33	
6			33	28.3
4			36	
BL			33	
S2			36	28.0

3159

	400'	N of	Elev	P
S2			38	27.8
BL			38	
4			39	
6			38	27.8
4			39	
BL			39	
N2			40	27.6

	450'	W of	Elev	P
N2			46	27.0
BL			45	
4			46	
6			45	27.1
4			45	
BL			43	
S2			47	27.8

		31.59		
	500'	w of	Eber	st
Sh			5.1	26.5
bh			5.0	
"			5.2	
b			5.0	26.6
"			5.1	
bh			5.1	
Nh			5.0	26.6
	550'	w of	Eber	st
Nh			5.8	25.8
bh			5.7	
"			5.4	
b			5.2	26.4
"			5.7	
bh			5.5	
Sh			5.6	26.0

		31.59			Satus
	600'	w =	E Line	of De Foe	st (60).
Sh			5.8	25.8	
bh			5.6		
"			6.0		
b			5.8	25.8	
"			6.0		
bh			6.1		
Nh			5.9	25.7	
	E bb	of	De Foe	st	
Nh			6.7	24.9	
bh			6.6		
"			6.1		
b			6.0	25.6	
"			6.2		
bh			6.5		
Sh			6.7	24.9	

		31.59			
	E 1/4 of De Foe St				
SL			6.0	25.6	
bb			6.0		
y			5.9		
b			6.0	25.6	
y			6.0		
bb			6.1		
NL			6.0	25.6	
	Center of De Foe St				
NL			5.9	25.7	
bb			6.0		
y			6.0		
b			6.0	25.6	
y			5.8		
bb			5.9		
SL			5.9	25.7	

		31.59			Latus
	W 1/4 of De Foe St				
SL			6.2	25.4	
bb			6.3		
y			6.2		
b			6.1	25.5	
y			6.1		
bb			6.1		
NL			6.2	25.4	
	W bb of De Foe St				
NL			6.9	24.7	
bb			6.8		
y			6.6		
b			6.3	25.3	
y			6.2		
bb			6.7		
SL			6.6	25.0	
TP	3.73	29.08	6.24	25.35	SW to De Foe

29.08

	W Line	f	De Fac	st
St			3,7	25.4
bl			3,7	
y			3,9	
b			3,7	25,4
y			3,9	
bl			3,7	
nl			3,8	25,3
	50	w f	De Fac	
nl			4,2	24.9
bl			4,2	
y			4,3	
b			3,9	25,2
y			4,0	
bl			4,1	
Sl			4,0	25,1

29.08

Sotus

29

	100	w f	De Fac	st
Sl			4,1	25.0
bl			4,2	
y			4,2	
b			4,0	25.1
y			4,2	
bl			4,3	
nl			4,5	24.6
	150	w f	De Fac	st
nl			4,8	24.3
bl			4,7	
y			4,7	
b			4,4	24.7
y			4,7	
bl			4,5	
Sl			4,6	24.5

		29.08		
	200	W f	De Fae	st
SL			4,9	24.2
bl			5,0	
"			5,0	
l			4,8	24.3
"			4,9	
bl			5,0	
NL			5,1	24.0
	250	W f	De Fae	st
NL			5,5	23.6
bl			5,4	
"			5,5	
l			5,3	23.8
"			5,3	
bl			5,3	
SL			5,5	23.6

		29.08			Solus
	300	W f	De Fae	st	
SL			5,9	23.2	
bl			6,0		
"			5,9		
l			5,5	23.6	
"			6,0		
bl			5,8		
NL			6,0	23.1	
	350	W f	De Fae	st	
NL			6,7	22.4	
bl			6,7		
"			6,6		
l			6,5	22.6	
"			6,4		
bl			6,5		
SL			6,6	22.5	
TP	2,00	24,93	6,15	22,93	

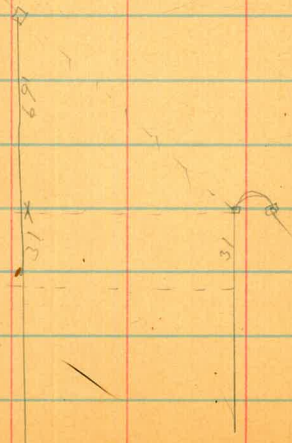
		24.93		
	400'	w f	De Zoe	St
SL			3,4	21.5
bh			3,3	
y			3,3	
b			3,2	21.7
y			3,2	
bh			3,3	
nL			3,3	21.6
	450	w f	De Zoe	St
nL			4,0	20.9
bh			4,0	
y			4,0	
b			3,8	21.1
y			4,0	
bh			4,0	
SL			4,1	20.8

		24.93			Sotus
	500'	w f	De Zoe		
SL			4,8	20.1	
bh			4,7		
y			4,9		
b			4,5	20.4	
y			4,6		
bh			4,7		
nL			4,8	20.1	
	531'	w = Boulevard on n. S			
SL			5,2	19.7	
bh			5,0		
y			5,3		
b			5,0	19.9	
y			5,2		
bh			5,2		
nL			5,3	19.6	

24.93

5.31 m a n = Boulevard
6.00 m a S = E S bable

Nh			5,3	19.6	
bb			5,2		
y			5,5		
b			5,5	19.4	
y			5,8		
bb			6,1		
Sh			6,0	18.9	
Bm			6,15	18,78	SEH bable



Crossection of Muir St (50')
E.L. P.L. 205 to west Lin

	5.54	50.92		45.38
	E L P L 205 = 97' E of Froude st			
nL			2,1	48.8
bl			1,5	49.4
y			1,2	49.7
b			0,7	50.2
y			0,7	50.2
bl			0,4	50.5
SL			0,3	50.6
	50' E of Froude st			
SL			1,0	49.9
bl			1,3	49.6
y			1,4	49.5
b			1,7	49.2
y			2,2	48.7
bl			2,3	48.6
nL			2,4	48.5

X sections plotted for grading & paving OAT 9-15-25

50.92 Muir

	E Lin of Froude st (60')			
nL		2,9	48.0	
bl		2,9	48.0	
y		3,0	47.9	
b		2,9	48.0	
y		2,9	48.0	
bl		3,3	47.6	
SL		3,2	47.7	
	E bl of Froude			
SL		3,4	47.5	
bl		3,5	47.4	
y		3,3	47.6	
b		3,0	47.9	
y		3,0	47.9	
bl		3,2	47.7	
nL		3,2	47.7	

50.92

E 1/4 of Froude st

NL			3,1	47.8
bl			3,1	47.8
y			3,1	47.8
b			3,1	47.8
y			3,3	47.6
bl			3,3	47.6
SL			3,4	47.5

Center of Froude st

SL			3,4	47.5
bl			3,4	47.5
y			3,4	47.5
b			3,2	47.7
y			3,3	47.6
bl			3,2	47.7
NL			3,3	47.6

50.92

Muir st

W 1/4 of Froude st

NL			3,9	47.0
bl			3,9	47.0
y			3,8	47.1
b			3,6	47.3
y			3,8	47.1
bl			3,8	47.1
SL			3,9	47.0

W bk of Froude

SL			4,4	46.5
bl			4,5	46.4
y			3,9	47.0
b			4,0	46.9
y			4,3	46.6
bl			4,3	46.6
SL			4,5	46.4

		50.92			
	W Line of		Froude st		
NL			4,3	46.6	
bl			4,2	46.7	
"			4,3	46.6	
b			3,9	47.0	
"			4,4	46.5	
bl			4,9	46.0	
SL			4,80	46.12	B m Sw Froude
	50'	W of	Froude		
SL			6,6	44.3	
bl			6,0	44.9	
"			6,0	44.9	
b			5,6	45.3	
"			5,8	45.1	
bl			5,7	45.2	
NL			5,6	45.3	
TP	1,03	44.72	7,23	43.69	

		44.72			Muir
	100'	W of	Froude st		
NL			1,4	43.3	
bl			1,4	43.3	
"			1,4	43.3	
b			1,0	43.7	
"			1,3	43.4	
bl			1,5	43.2	
SL			1,4	43.3	
	125'	W	of	Froude	
SL			2,0	42.7	
bl			2,2	42.5	
"			2,2	42.5	
b			2,0	42.7	
"			2,4	42.3	
bl			2,4	42.3	
NL			2,0	42.7	

44,72

	150'	w of	Froude	
nl			3,1	41.6
bh			3,2	41.5
y			2,9	41.8
b			2,8	41.9
y			3,4	41.6
bh			3,1	41.6
sl			3,0	41.7

	200'	w of	Froude	
sl			4,1	40.6
bh			4,6	40.1
y			4,3	40.4
b			4,3	40.4
y			4,5	40.2
bh			4,6	40.1
nl			4,7	40.0

44,72

	250'	w of	Froude st	
nl			6,0	38.7
bh			6,0	38.7
y			6,1	38.6
b			5,5	39.2
y			5,7	39.0
bh			5,3	39.4
sl			5,3	39.4

	300'	w of	Froude st	
sl			7,1	37.6
bh			7,3	37.4
y			7,3	37.4
b			7,2	37.5
y			7,6	37.1
bh			7,5	37.2
nl			7,7	37.0

		44.72		
	350	w of	Froud	
NL			9.3	35.4
bh			9.1	35.6
y			9.0	35.7
b			8.7	36.0
y			9.0	35.7
bh			8.9	35.8
SL			8.8	35.9
	400'	w of	Froud st	
SL			9.8	34.9
bh			10.0	34.7
y			10.2	34.5
b			9.9	34.8
y			10.4	34.3
bh			10.4	34.3
NL			10.5	34.2
TP	1.72	36.41	10.03	34.69

		36.41		
	450'	w of	Froud st	
NL			3.0	33.4
bh			3.1	33.3
y			3.0	33.4
b			2.5	33.9
y			2.7	33.7
bh			2.5	33.9
SL			2.5	33.9
	500'	w of	Froud st	
SL			2.5	33.9
bh			3.0	33.4
y			3.1	33.3
b			3.1	33.3
y			3.7	32.7
bh			3.6	32.8
NL			3.8	32.6

		36.41						36.41			Muir
	5 50	w of	Fraud st				Ebb	of	Eber	st	
NL			4,2	32.2		NL			5,0	31.4	
bb			4,3	32.1		bb			5,0	31.4	
y			4,3	32.1		y			5,2	31.2	
b			3,9	32.5		b			4,9	31.5	
y			3,8	32.6		y			5,2	31.2	
bb			3,6	32.8		bb			4,8	31.6	
SL			3,4	33.0		SL			4,5	31.9	
	6 00	w of = ~~Elkin~~	Eber st (60)				E 1/4	of	Eber		
SL			4,5	31.9		SL			5,0	31.4	
bb			4,5	31.9		bb			5,0	31.4	
y			4,8	31.6		y			5,0	31.4	
b			4,7	31.7		b			5,0	31.4	
y			4,9	31.5		y			5,0	31.4	
bb			5,0	31.4		bb			5,1	31.3	
NL			4,9	31.5		NL			5,2	31.2	

3641

Center of Eben

N2	4,9	31.5
bk	4,8	31.6
4	5,0	31.4
6	4,9	31.5
4	5,0	31.4
bk	4,8	31.6
S2	4,8	31.6

W¼ of Eben

S2	5,2	31.2
bk	5,1	31.3
4	5,1	31.3
6	5,0	31.4
4	5,2	31.2
bk	5,0	31.4
N2	5,1	31.3

3641 Muir

Wbk of Eben

N2	5,5	30.9
bk	5,7	30.7
4	5,9	30.5
6	5,2	31.1
4	5,6	30.8
bk	5,2	31.2
S2	5,2	31.2

N2 of Eben

S2	5,25	31.16 BM SW Eben
bk	5,2	31.1
4	5,5	30.9
6	5,2	31.2 x
4	5,5	30.9
bk	5,2	31.1
N2	5,5	30.9

36411

	50'	W	of Elev	
N2			6,0	30.4
bk			5,9	30.5
4			5,8	30.6
6			5,6	30.8
4			6,0	30.4
bk			5,8	30.6
S2			5,7	30.7

	100'	W of	Elev	
S2			6,1	30.3
bk			5,9	30.5
4			6,1	30.3
6			5,9	30.5
4			6,4	30.0
bk			6,3	30.1
N2			6.1	30.3
TP	2,07	32,80	5,68	30,73

32810

	150'	W of	Elev	
N2			2,9	29.9
bk			3,3	29.5
4			3,3	29.5
6			3,0	29.8
4			3,1	29.7
bk			3,3	29.5
S2			3,1	29.7

	200'	W of	Elev	
S2			3,6	29.2
bk			3,6	29.2
4			3,8	29.0
6			3,6	29.2
4			3,7	29.1
bk			3,8	29.0
N2			3,7	29.1

		32.80		
	250'	w f	Eber	st
nl			4,2	28.6
bh			4,3	28.5
y			4,4	28.4
b			4,1	28.7
y			4,5	28.3
bh			4,3	28.5
Sl			4,1	28.7
	300'	w f	Eber	st.
Sl			4,7	28.1
bh			4,7	28.1
y			4,7	28.1
b			4,6	28.2
y			4,7	28.1
bh			4,6	28.2
nl			4,8	28.0

		32.80			Muir st
	350	w f	Eber	st	40
nl			5,1	27.7	
bh			5,2	27.6	
y			5,3	27.5	
b			4,9	27.9	
y			5,1	27.7	
bh			4,9	27.9	
Sl			5.0	27.8	
	400'	w f	Eber	st	
Sl			5,5	27.3	
bh			5,1	27.7	
y			5,4	27.4	
b			5,2	27.6	
y			5,5	27.3	
bh			5,6	27.2	
nl			5,5	27,3	

		3280		
	450	w f	Eber	st
NL			5,7	27.1
bh			5,5	27.3
y			5,8	27.0
b			5,4	27.4
y			5,7	27.1
bh			5,7	27.1
SL			5,7	27.1
	500	w f	Eber	st
SL			5,7	27.1
bh			5,7	27.1
y			6,2	26.6
b			5,8	27.0
y			6,1	26.7
bh			6,0	26.8
NL			6,2	26.6
TP	3,14	3014	5,80	27,00

Fraude

Muir

		3014		
	550	w f	Eber	st
NL			3,7	26.4
bh			3,6	26.5
y			3,6	26.5
b			3,2	26.9
y			3,5	26.6
bh			3,5	26.6
SL			3,4	26.7
8	600	w =	Edin	of De Foe
SL			4,0	26.1
bh			3,9	26.2
y			3,9	26.2
b			3,7	26.4
y			3,9	26.2
bh			4,0	26.1
NL			4,0	26.1

3014

Ebb of De Foe

NL			4,0	26.1
bl			3,9	26.2
"			4,0	26.1
bl			3,8	26.3
"			4,3	25.8
bl			3,8	26.3
SL			4,0	26.1

E 1/4 of De Foe

SL			4,0	26.1
bl			4,0	26.1
"			4,0	26.1
l			4,0	26.1
"			4,0	26.1
bl			4,0	26.1
NL			4,0	26.1

3014

Center of De Foe

NL			4,1	26.0
bl			4,1	26.0
"			4,1	26.0
l			4,0	26.1
"			4,0	26.1
bl			3,9	26.2
SL			3,8	26.3

W 1/4 of De Foe

SL			4,2	25.9
bl			4,4	25.7
"			4,3	25.8
l			4,3	25.8
"			4,4	25.7
bl			4,4	25.7
NL			4,4	25.7

30.14

	W bb of		De Foe		
nl			4,3	25.8	
bh			4,4	25.7	
y			4,8	25.3	
b			4,5	25.6	
y			4,6	25.5	
bh			4,4	25.7	
Sl			4,4	25.7	
	W Line of		De Foe St		
Sl			4,35	25.79 x	mm sw H De Foe
bh			4,4	25.7	
y			4,3	25.8	
b			4,2	25.9 x	
y			4,5	25.6	
bh			4,4	25.7	
nl			4,3	25.8	

30.14

	50'	W of	De Foe St		
nl			4,8	25.3	
bh			4,9	25.2	
y			4,9	25.2	
bh			4,7	25.4	
y			4,9	25.2	
bh			4,6	25.5	
Sl			4,8	25.3	
	100'	W of	De Foe St		
Sl			5,5	24.6	
bh			5,4	24.7	
y			5,4	24.7	
b			5,2	24.9	
y			5,5	24.6	
bh			5,3	24.8	
nl			5,4	24.7	

		3014		
	150'	w f	De Fac st	
NL			5,9	24.2
bh			5,9	24.2
y			6,0	24.1
b			5,7	24.4
y			6,2	23.9
bh			5,9	24.2
SL			5,9	24.2
	200'	w f	De Fac st	
SL			6,5	23.6
bh			6,8	23.3
y			6,7	23.4
b			6,5	23.6
y			6,6	23.5
bh			6,7	23.4
NL			6,5	23.6
TP	2,09	26,08	6,15	23.99

		26,08			Muri
	250'	w f	De Fac	st	
NL			3,3	22.8	
bh			3,1	23.0	
y			3,3	22.8	
b			3,0	23.1	
y			3,3	22.8	
bh			3,1	23.0	
SL			3,0	23.1	
	300'	w f	De Fac		
SL			3,9	22.2	
bh			4,0	22.1	
y			4,2	21.9	
b			3,8	22.3	
y			4,1	22.0	
bh			3,9	22.2	
NL			3,8	22.3	

		26.08		
	350	w f	De Fac	
NL			4,6	21.5
bl			4,8	21.3
y			4,8	21.3
b			4,4	21.7
y			4,6	21.5
bl			4,6	21.5
SL			4,8	21.3
	400	w f	De Fac	
SL			5,3	20.8
bl			5,5	20.6
y			5,5	20.6
b			5,3	20.8
y			5,7	20.4
bl			5,5	20.6
NL			5,3	20.8

		26.08		
	450	w f	De Fac	
NL			6,3	19.8
bl			6,3	19.8
y			6,5	19.6
b			6,2	19.9
y			6,4	19.7
bl			6,6	19.5
SL			6,5	19.6
	500	w f	De Fac	ss
SL			7,3	18.8
bl			7,0	19.1
y			7,3	18.8
b			7,1	19.0
y			7,4	18.7
bl			7,3	18.8
NL			7,2	18.9
TP	1,85	21.08	6,85	19.23

21.08

	550	n of	De Toe st	
NL			2,9	18.2
bl			3,1	18.0
y			3,2	17.9
b			3,0	18.1
y			3,3	17.8
bl			3,3	17.8
SL			3,3	17.8
	600'	n =	E Line of	Cable st (60)
SL			4,3	16.8
bl			4,1	17.0
y			4,3	16.8
b			3,9	17.2
y			4,0	17.1
bl			4,0	17.1
NL			4,0	17.1

21.08

	E bl	of	Cable	
NL			4,1	17.0
bl			4,0	16.8
y			4,3	16.8
b			4,1	17.0
y			4,5	16.6
bl			4,4	16.7
SL			4,1	17.0
	E ¼	of	Cable	st
SL			4,5	16.6
bl			4,5	16.6
y			4,3	16.8
b			4,2	16.9
y			4,3	16.8
bl			4,2	16.9
NL			4,2	16.9

21.08

	Center of	Cable at	
N2		4,3	16.8
bb		4,2	16.9
y		4,3	16.8
b		4,4	16.7
y		4,5	16.6
bb		4,4	16.7
S2		4,5	16.6
	W. ¼ of	Cable at	
S2		4,6	16.5
bb		4,7	16.4
y		4,8	16.3
b		4,7	16.4
y		4,7	16.4
bb		4,6	16.5
N2		4,7	16.4

21.08

	W bb of	Cable at		
N2		4,6	16.5	
bb		4,8	16.3	
y		5,2	15.9	
b		4,9	16.2	
y		4,9	16.2	
bb		4,6	16.5	
S2		4,9	16.2	
	W line of	Cable at		
S2		4,87	16.21	BM SW cable
bb		4,9	16.2	
y		5,2	15.9	
b		4,9	16.2	
y		5,0	16.1	
bb		4,8	16.3	
N2		4,8	16.3	

		21.08		
	50'	w f	bobb	
NL			5,5	15.6
bl			5,4	15.7
y			5,5	15.6
b			5,4	15.7
y			5,7	15.4
bl			5,4	15.7
SL			5,7	15.4
	100'	w f	bobb	
SL			6,3	14.8
bl			6,3	14.8
y			6,4	14.7
b			6,1	15.0
y			6,2	14.9
bl			6,3	14.8
NL			6,0	15.1

		21.08		
	150'	w f	bobb	st
NL			6,7	14.4
bl			7,0	14.1
y			7,0	14.1
b			6,7	14.4
y			7,2	13.9
bl			7,2	13.9
SL			6,8	14.3
	200'	w f	bobb	st
SL			7,8	13.3
bl			7,8	13.3
y			7,5	13.6
b			7,4	13.7
y			7,7	13.4
bl			7,5	13.6
NL			7,5	13.6
TP	2,53	16.57	7,04	14,04

1657

	250'	w	bobb	st
N2			3,7	12.9
bb			3,7	12.9
4			4,0	12.6
b			3,8	12.8
4			3,8	12.8
bb			4,0	12.6
S2			4,2	12.4
	300'	w f	bobb	st
S2			4,4	12.2
bb			4,5	12.1
4			4,5	12.1
b			4,3	12.3
4			4,5	12.1
bb			4,4	12.2
N2			4,4	12.2

1657

	350'	w f	bobb	st
N2			4,9	11.7
bb			4,9	11.7
4			4,8	11.8
b			4,5	12.1
4			5,0	11.6
bb			5,1	11.5
S2			5,0	11.6
	400'	w f	bobb	st
S2			5,5	11.1
bb			5,7	10.9
4			5,5	11.1
b			5,4	11.2
4			5,4	11.2
bb			5,4	11.2
N2			5,3	11.3

1657

	450'	W of	Cable st	
NL			6,1	10.5
bl			6,1	10.5
"			6,2	10.4
b			6,0	10.6
"			6,2	10.4
bl			6,2	10.4
SL			6,1	10.5
	501'	W = W P Lin of PL 205		
SL			7,12	9.45 Bm
bl			7,0	9.6
"			6,7	9.9
b			6,6	10.0
"			6,8	9.8
bl			7,0	9.6
NL			6,8	9.8

Crossection of Main St (50')

Clough Donar Rodgers

E Lin of PL 205 to W L Guyot st

	9,04	55,16	46,12	Bm SW H Trouble
	E Lin of PL 205 = 97' E of Trouble st			
SL			4,6	50.6
bl			4,7	50.5
"			4,9	50.3
b			5,0	50.2
"			5,6	49.6
bl			6,0	49.2
NL			6,4	48.8
	53' E of PL Lin			
NL			5,6	49.6
bl			5,2	50.0
"			4,7	50.5
b			4,2	51.0
"			4,6	50.6
bl			4,3	50.9
SL			4,2	51.0

Plotted & Yardage Figured 9-18-25 CAT

		55.16			
	103	E f	P Lin		✓
SL			3,3	51.9	
bh			3,6	51.6	
y			3,8	51.4	
b			3,6	51.6	
y			4,3	50.9	
bh			4,4	50.8	
NL			4,8	50.4	
	153	E f	P L		✓
NL			3,0	52.2	
bh			2,6	52.6	
y			2,7	52.5	
b			2,1	53.1	
y			2,3	52.9	
bh			2,0	53.2	
SL			2,0	53.2	
T.P	1209	66,86	0,39	54,77	

		66,86			Muir
	203	E f	P L		✓
SL			11,7	55.2	
bh			12,0	54.9	
y			12,2	54.7	
b			12,0	54.9	
y			12,6	54.3	
bh			12,9	54.0	
NL			13,1	53.8	
	253	E f	P L		✓
NL			11,6	55.3	
bh			11,0	55.9	
y			10,5	56.4	
b			10,1	56.8	
y			10,0	56.9	
bh			9,8	57.1	
SL			9,5	57.4	

6686

	303'	E 6	P2		
S2			6,6	60.3	✓
bb			7,0	59.9	
y			7,1	59.8	
b			7,2	59.7	
y			7,4	59.3	
bb			7,5	59.4	
N2			8,1	✓8.8	

✓ 4+30

	353'	E 7	P2		
N2			4,5	62.4	
bb			4,3	62.6	
y			4,1	62.8	
b			3,5	63.4	
y			3,7	63.2	
bb			3,4	63.5	
S2			3,1	63.8	
TP	12,72	7933	0,25	66,1	

7933

	403'	E 6	P2		
S2			11,0	68.3	
bb			11,3	68.0	
y			11,9	67.4	
b			12,0	67.3	
y			12,4	66,9	
bb			12,5	66,8	
N2			12,6	66.7	

5+00

	453'	E 7	P2		
N2			8,1	71.2	
bb			7,7	71.6	
y			7,7	71.6	
b			7,2	72.1	
y			7,1	72.2	
bb			7,0	72.3	
S2			6,3	73.0	

5+50

79.33

503' E = W Line of Guyot at 6+00

SL		1,4	77.9
bk		1,5	77.8
y		1,9	77.4
b		2,1	77.2
y		2,7	76.6
bk		2,9	76.4
NL		3,1	76.2
TP	1293	9166	0,60	7873

Cross section of Long Branch St (58) 58
NL of Guyot to WL of PL 205

91.66

WL of ~~Guyot~~ Guyot

SL		0,2	91.5
bk		0,0	91.7
y		0,1	91.0
b		0,9	90.8
y		1,4	90.3
bk		1,2	90.6
NL		2,0	89.7

50 W of Guyot

NL		5,4	86.3
bk		5,0	86.7
y		5,5	86.2
b		5,2	86.5
y		4,6	87.1
bk		4,6	87.1
SL		4,6	87.1

Long Branch

		91.66		
	100'	W of	Guizot	
SL			9,2	82.5
bh			9,6	82.1
y			10,5	81.2
b			10,2	81.5
y			10,6	81.1
bh			10,7	81.0
NL			10,7	81.0
TP	0,81	82,39	10,08	81,58
	150'	W of	Guizot	
NL			7,1	75.3
bh			6,1	76.3
y			5,9	76.5
b			5,6	76.8
y			5,6	76.8
bh			4,3	78.1
SL			3,8	78.6

		82.39		
	200'	W of	Guizot	
SL			8,2	74.2
bh			8,5	73.9
y			9,2	73.2
b			9,1	73.3
y			9,8	72.6
bh			9,4	73.0
NL			9,4	73,0
TP	0,92	73,05	10,26	72,13
	250'	W of	Guizot	
NL			5,1	68.0
bh			4,7	68.4
y			4,6	68.5
b			3,9	69.2
y			4,1	69.0
bh			3,8	69.3
SL			3,3	69.8

73.05

	300'	w f	Guizot	
SL			7,4	65.7
bh			7,7	65.4
"			8,2	64.9
b			7,9	65.2
"			8,7	64.4
bh			8,6	64.5
NL			8,9	64.2
	350'	w f	Guizot	
NL			12,3	60.8
bh			12,0	61.1
"			11,7	61.4
b			11,1	62.0
"			11,3	61.8
bh			11,2	61.9
SL			11,0	62.1
TP	0,22	61,48	11,79	61,26

61,48

	400'	w f	Guizot	
SL			1,9	59.6
bh			1,9	59.6
"			2,2	59.3
b			2,0	59.5
"			2,7	58.8
bh			2,9	58.6
NL			3,2	58.3
	450'	w f	Guizot	
NL			4,9	56.6
bh			4,8	56.7
"			4,7	56.8
b			4,1	57.4
"			4,1	57.4
bh			4,0	57.5
SL			3,7	57.8

61.48

503' w = E L of Pl 205

SL			5,4	√6.1
bh			5,6	55.9
"			5,7	55.8
b			5,9	√5.6
"			6,4	55.1
bh			6,3	55.2
NL			6,6	√4.9

550' w of Guizot

NL			8,6	√2.9
bh			8,3	53.2
"			8,3	53.2
b			8,0	√3.5
"			7,8	53.7
bh			7,6	53.9
SL			7,4	√4.1

61.48

Long Branch

600' w = E Line of Froude at (60)

SL			9,0	√2.5
bh			9,3	52.5
"			9,6	51.9
b			9,8	√1.7
"			10,0	51.5
bh			10,0	51.5
NL			10,2	√1.3

E bh of Froude at

NL			10,4	√1.1
bh			10,6	51.5
"			10,4	51.1
b			10,1	√1.4
"			9,6	51.9
bh			9,5	52.0
SL			9,2	√2.3

61.48

E 1/4 of Fraude

SL			9,6	51.9
bl			9,8	51.7
y			9,9	51.6
b			10,0	51.5
y			10,5	51.0
bl			10,8	50.7
NL			11,2	50.3

Center of Fraude

NL			11,4	50.1
bl			11,2	50.3
y			11,1	50.4
b			10,8	50.7
y			10,4	51.1
bl			10,1	51.4
SL			9,7	51.8

61.48

Long Branch

W 1/4 of Fraude

SL			10,3	51.2
bl			10,5	51.0
y			10,6	50.9
b			10,8	50.7
y			11,3	50.2
bl			11,6	49.9
NL			11,7	49.8

W bl of Fraude

NL			12,0	49.5
bl			11,8	49.7
y			11,6	49.9
b			11,2	50.3
y			10,9	50.6
bl			10,8	50.7
SL			10,4	51.1
			10,60	

		6.48			
	W Sin of		Froude		
SL			10.60	50.88	Bm Sm Froude
bh			10.8	50.7	
"			11.4	50.1	
b			11.4	50.1	
"			11.8	49.7	
bh			12.0	49.5	
NL			12.2	49.3	
TP	2.70	5358	10.60	50.88	
	50'	W of	Froude st		
NL			5.2	48.4	
bh			5.1	48.5	
"			4.7	48.9	
b			4.4	49.2	
"			4.2	49.4	
bh			3.8	49.8	
SL			3.6	50.0	

		5358			Long Branch
	100'	W of	Froude st		
SL			4.0	49.6	
bh			4.5	49.1	
"			5.0	48.6	
b			5.0	48.6	
"			5.3	48.3	
bh			5.3	48.3	
NL			5.4	48.2	
	150	W of	Froude st		
NL			6.6	47.0	
bh			6.3	47.3	
"			6.6	47.0	
b			6.0	47.6	
"			5.8	47.8	
bh			5.5	48.1	
SL			5.2	48.4	

5358

	200'	W of	Loads at	
S2			6.6	47.0
bk			7.0	46.6
"			7.5	46.1
l			7.5	46.1
"			8.0	45.6
bk			8.0	45.6
N2			8.1	45.5

	250'	W of	Loads at	
N2			9.8	43.8
bk			9.2	44.4
"			9.2	44.4
l			8.6	45.0
"			8.5	45.1
bk			8.2	45.4
S2			7.8	45.8

5358

	300'	W of	Loads at	
S2			9.0	44.6
bk			9.2	44.4
"			9.6	44.0
l			9.7	43.9
"			10.3	43.3
bk			10.3	43.3
N2			10.8	42.8
TP	180	45.07	10.31	43.27

	350'	W of	Loads at	
N2			3.1	42.0
bk			3.1	42.0
"			2.8	42.3
l			2.5	42.6
"			2.4	42.7
bk			2.3	42.8
S2			2.2	42.9

45.07

	400'	w of	Fraude st	
SL			4,1	41.0
bl			4.1	41.0
y			4,2	40.9
b			4,0	41.1
y			4,5	40.6
bl			4,4	40.7
ns			4,4	40.7
	450	w of	Fraude	
ns			6,0	39,1
bl			6,5	38,6
y			6,5	38.6
b			6,2	38.9
y			6,2	38.9
bl			5,8	39.3
SL			6,2	38.9

45.07

	500'	w of	Fraude	
SL			8,2	36.9
bl			8,5	36.6
y			8,4	36.7
b			8,0	37.1
y			8,4	36.7
bl			8,2	36.9
ns			8,2	36.9
	550	w of	Fraude st	
ns			10,2	34.9
bl			10,4	34.7
y			10,4	34.7
b			10,1	35.0
y			10,4	34.7
bl			10,2	34.9
SL			10,3	34.8
TP	1,64	36.89	9,82	35.25

3689

600 W = E Line of Eben St (60)

S2	3,7	33.7
4	3,5	33.4
4	3,9	33.0
4	3,6	33.3
4	3,9	33.0
4	3,7	33.2
N2	3,8	33.1

E 4 of Eben St

N2	4,0	32.9
4	3,9	33.0
4	4,2	32.7
4	3,9	33.0
4	4,0	32.9
4	3,8	33.1
S2	3,4	33.5

3689

E 1/4 of Eben St

S2	4,0	32.9
4	4,0	32.9
4	4,0	32.9
4	4,1	32.8
4	4,1	32.8
4	4,2	32.7
N2	4,2	32.7

Center of Eben St

N2	4,2	32.7
4	4,1	32.8
4	4,1	32.8
4	4,1	32.8
4	4,0	32.9
4	3,9	33.0
S2	3,7	33.2

Army Branch

3689

	W¼ of	Eber	St
SL		4,1	32.8
bb		4,2	32.7
"		4,3	32.6
b		4,3	32.6
"		4,5	32.4
bb		4,6	32.3
NL		4,6	32.3
	W bb of	Eber	St
NL		4,7	32.2
bb		4,8	32.1
"		5,0	31.9
b		4,6	32.3
"		4,4	32.5
bb		4,2	32.7
SL		4,1	32.8

3689

	W line of	Eber	St	
SL		4,30	32.59	BM SW H Eber St
bb		4,4	32.5	
"		4,7	32.2	
b		4,5	32.4	
"		4,8	32.1	
bb		4,8	32.1	
NL		4,8	32.1	
	50' W of	Eber	St	
NL		5,3	31.6	
bb		5,2	31.7	
"		5,2	31.7	
b		4,9	32,0	
"		5,0	31.9	
bb		4,8	32.1	
SL		4,7	32.2	

3689

	100'	w f	Ebr	st
SL			5,5	31.4
bl			5,6	31.3
y			6,0	30.9
b			5,6	31.3
y			5,9	31.0
bl			5,9	31.0
NL			5,8	31.1
	150'	w f	Ebr	st
NL			6,7	30.2
bl			6,7	30.2
y			6,8	30.1
b			6,6	30.3
y			6,7	30.2
bl			6,6	30.3
SL			6,7	30.2

3689

	200'	w f	Ebr	st	
SL			7,0	29.9	
bl			7,4	29.5	
y			7,4	29.5	
b			7,4	29.5	
y			7,6	29.3	
bl			7,6	29.3	
NL			7,3	29.6	
TP	336	3327	6,98	29.91	Sat stake on S Side
	250'	w f	Ebr	st	
NL			4,1	29.2	
bl			4,2	29.1	
y			4,2	29.1	
b			4,1	29.2	
y			4,1	29.2	
bl			4,1	29.2	
SL			4,1	29.2	

33.27

	300'	w f f	Eber	st
Sl			4,5	28.8
bl			4,5	28,8
y			4,5	28.8
b			4,4	28.9
y			4,4	28.9
bl			4,1	29.2
nl			4,3	29.0
	350'	w f	Eber	st
nl			4,6	28.7
bl			4,6	28.7
y			4,8	28.5
b			4,5	28.8
y			4,7	28.6
bl			4,5	28.8
Sl			4,6	28.7

33.27

	400'	w f	Eber	st
Sl			4,6	28.7
bl			4,6	28.7
y			4,7	28.6
b			4,4	28.9
y			4,8	28.5
bl			4,8	28.5
nl			4,7	28,6
	450'	w f	Eber	st
nl			4,8	28.5
bl			4,8	28.5
y			5,0	28.3
b			4,9	28,4
y			4,9	28.4
bl			5,0	28.3
Sl			5,0	28.3

3327

500' N of Eber st

SR			5.0	28.3	
bl			5.0	28.3	
"			4.8	28.5	
b			4.7	28.6	
"			5.0	28.3	
bl			5.2	28.1	
NR			5.2	28.1	

550' N of Eber st

NR			5.5	27.8	
bl			5.5	27.8	
"			5.3	28.0	
b			5.1	28.2	
"			5.4	27.9	
bl			5.5	27.8	
SR			5.5	27.8	
TP	1.93	29.05	6.15	27.12	BM SE De Fre

29.05

600' N = E L of De Fre st

SR			2.0	27.1	
bl			2.0	27.1	
"			1.8	27.3	
b			1.9	27.2	
"			1.9	27.2	
bl			2.0	27.1	
NR			2.0	27.1	

E bl of De Fre st

NR			2.0	27.1	
bl			1.9	27.2	
"			2.1	27.0	
b			2.1	27.0	
"			2.3	26.8	
bl			2.0	27.1	
SR			2.2	26.9	

29.05

E 1/4 of De Foe St

SR		2,1	27.0
bl		2,2	26.9
y		2,1	27.0
b		2,1	27.0
y		2,0	27.1
bl		2,1	27.0
NR		2,1	27.0

Center of De Foe St

NR		1,9	27.2
bl		2,0	27.1
y		2,3	26.8
b		2,2	26.9
y		2,1	27.0
bl		2,2	26.9
SR		2,3	26.8

29.05

Long Branch

E 1/4 of De Foe

SR		2,5	26.6
bl		2,5	26.6
y		2,5	26.6
b		2,5	26.6
y		2,5	26.6
bl		2,5	26.6
NR		2,5	26.6

E bl of De Foe

NR		2,7	26.4
bl		2,7	26.4
y		3,0	26.1
b		2,7	26.4
y		2,8	26.3
bl		2,6	26.5
SR		2,6	26.5

		29.05		
	W Sin	f	De Fac	St
SL			2.8	26.3
bl			2.5	26.6
"			2.9	26.2
b			2.8	26.3
"			3.1	26.0
bl			2.8	26.3
NL			3.0	26.1
	50'	W f	De Fac	St
NL			3.6	25.5
bl			3.5	25.6
"			3.8	25.3
b			3.4	25.7
"			3.8	25.3
bl			3.6	25.5
SL			3.6	25.5

		29.05		Tony Branch
	100'	W f	De Fac	St
SL			4.2	24.9
bl			4.3	24.8
"			4.5	24.6
b			4.3	24.8
"			4.4	24.7
bl			4.1	25.0
NL			4.5	24.6
	150'	W f	De Fac	St
NL			4.8	24.3
bl			5.1	24.0
"			5.0	24.1
b			4.7	24.4
"			5.0	24.1
bl			5.0	24.1
SL			5.1	24.0

	200'	29.05 w f	De Fac	st
SL			5,7	23,4
bl			5,6	23,4
"			5,5	23,6
b			5,6	23,5
"			5,6	23,4
bl			5,4	23,7
NL			5,6	23,5

	250	w f	De Fac	st
NL			6,1	23,0
bl			6,1	23,0
"			6,1	23,0
b			6,0	23,1
"			6,1	23,0
bl			6,1	23,0
SL			5,8	23,3

	300'	29.05 w f	De Fac	st
SL			7,0	22,1
bl			6,7	22,4
"			6,7	22,4
b			6,7	22,4
"			6,7	22,4
bl			6,8	22,3
NL			6,4	22,7

	350	w f	De Fac	st
NL			7,5	21,6
bl			7,5	21,6
"			7,5	21,6
b			7,6	21,5
"			7,7	21,4
bl			7,6	21,4
SL			7,7	21,4
TP	0,75	21,37	8,43	20,62

		2137		
	400'	w f	De Fre	st
SL			1,1	20.3
bl			1.1	20.3
"			1,0	20.4
b			1,0	20,4
"			1,0	20.4
bl			0,9	20.4
NL			1,0	20,4
	450'	w f	De Fre	st
NL			1,7	19.7
bl			1,8	19.6
"			1,9	19.5
b			1,8	19.6
"			2,0	19.4
bl			2,2	19.2
SL			2,2	19.2

		2137		
	500'	w f	De Fre	st
SL			3,0	18.4
bl			3,0	18.4
"			2,9	18.5
b			3,0	18.4
"			2,8	18.6
bl			2,9	18.5
NL			2,9	18.5
	550	w f	De Fre	st
NL			4,0	17.4
bl			3,9	17.5
"			4,0	17.4
b			3,8	17.6
"			4,0	17.4
bl			4,2	17.2
SL			4,1	17.3

21.37

	600'	n =	E Sin of Cabl st (60)	
S2			5.4	16.0
bb			5.3	16.1
y			5.3	16.1
b			5.0	16.4
y			5.2	16.2
bb			5.0	16.4
n2			4.9	16.5
	E bb	of	Cabl st	
n2			5.1	16.3
bb			5.1	16.3
y			5.3	16.1
b			5.4	16.0
y			5.6	15.8
bb			5.4	16.0
S2			5.5	15.9

21.37

	E 1/4	of	Cabl st	
S2			5.7	15.7
bb			5.6	15.8
y			5.7	15.7
b			5.5	15.9
y			5.4	16.0
bb			5.4	16.0
n2			5.4	16.0
	Center	of	Cabl st	
n2			5.4	16.0
bb			5.5	15.9
y			5.6	15.8
b			5.6	15.8
y			5.6	15.8
bb			5.6	15.8
S2			5.6	15.8

2137

	W 1/4	of	Cable	
St			6,1	15.3
bt			5,9	15.5
"			5,8	15.6
b			5,9	15.5
"			5,8	15.6
bt			5,9	15.5
Nt			5,8	15.6
	Wbt	of	Cable	
Nt			6,0	15.4
bt			6,0	15.4
"			6,4	15.0
b			6,2	15.2
"			6,2	15.2
bt			6,0	15.4
St			6,2	15.2

2137

Long Branch

	W Sin	of	Cable	St	
St			6,37	15,00	BMSW Cable
bt			6,3	15.1	
"			6,6	14.8	
b			6,2	15.2	
"			6,4	15.0	
bt			6,2	15.2	
Nt			6,2	15.2	
	50'	W of	Cable	St	
Nt			6,8	14.6	
bt			6,8	14.6	
"			6,8	14.6	
b			6,7	14.7	
"			6,8	14.6	
bt			6,9	14.5	
St			6,8	14.6	

2134

	100'	wf	bobl	
SR			7,6	13.8
bl			7,4	14.0
y			7,5	13.9
b			7,3	14.1
y			7,4	14.0
bl			7,4	14.0
RR			7,4	14.0
	150'	wf	bobl	
RR			8,2	13.2
bl			8,2	13.4
y			81	13.3
b			81	13.3
y			8,3	13.1
bl			8,4	13.0
SR			8,2	13.2
TD	2,45	1497	885	12,52

1497

	200	wf	bobl	
SR			2,8	12.2
bl			2,8	14.2
y			2,7	14.3
b			2,5	12.5
y			2,7	14.3
bl			2,5	14.4
RR			2,5	12.5
	250	wf	bobl	
RR			3,2	11.8
bl			3,3	11.7
y			3,5	11.5
b			3,3	11.7
y			3,4	11.6
bl			3,3	11.7
SR			3,5	11.5

14.97

	300'	wf	bobb	st
S2			4,2	10.8
bl			4,4	10.6
4			4,3	10.7
b			3,9	11.1
4			4,2	10.8
bl			4,1	10.9
N2			4,0	11.0

	350'	wf	bobb	st
N2			4,4	10.6
bl			4,6	10.4
4			4,7	10.3
b			4,5	10.5
4			4,6	10.4
bl			4,6	10.4
S2			4,7	10.3

14.97

	400'	wf	bobb	st
S2			5-2	9.8
bl			5-0	10.0
4			5-1	9.9
b			5-0	10.0
4			5-0	10.0
bl			5-1	9.9
N2			4,7	10.1

	450'	wf	bobb	st
N2			5-4	9.6
bl			5-7	9.3
4			5-7	9.3
b			5-7	9.3
4			5-7	9.3
bl			5-5	9.7
S2			5-8	9.2

1497

50' W = WL PL 205

SL			65	8.5	
bl			64	8.6	
y			64	8.4	
b			64	8.6	
y			61	8.9	
bl			63	8.7	
NL			62	8.8	
BM			552	9.45	PL in mun

Crossection of Fraude st (60')
EL of Brighton to

	10.98	61.86		50.88	BM SW Long Branch & Fraude
	N Line of		Brighton st		
NL			2.2	59.7	
C			1.8		
1/4			2.0		
C			1.5	60.4	
1/4			1.7		
C			1.3		
EL			0.9	61.0	
	50' N Brighton				
EL			3.3	58.6	
C			3.4		
1/4			4.0		
C			3.7	58.2	
1/4			4.1		
C			4.3		
W.P.			4.3	57.6	

61.86

100' n of Brighton Rt

W R	6.4	√√√
C	6.2	
¼	6.1	
C	5.7	√6.2
¼	5.9	
C	5.5	
E.L.	5.4	√6√

150' n Brighton Rt

E.L.	7.2	√4.7
C	7.4	
¼	7.7	
C	7.8	√4.1
¼	8.1	
C	8.3	
W.L.	8.5	√3.4

61.86

200' n. Brighton Rt.

W.L.	10.5	√1.4
C	10.3	
¼	9.9	
C	9.5	√2.4
¼	9.4	
C	9.9	
E.L.	9.8	√3.1

215 n = N.L. Long Branch (50')

E.L.	9.4	√2.√
C	9.6	
¼	9.9	
C	10.2	√1.7
¼	10.6	
C	10.9	
W.L.	11.0	√0.9
T.P.	3.61	54.49	10.98	50.88

463

54.49

N.L. Long Branch St.

W.L.			5.3	49.2
C			5.0	
1/4			4.7	
C			4.6	49.9
1/4			4.2	
C			3.7	
E.L.			3.4	51.1

50' N. Long Branch.

E.L.			4.6	49.9
C			4.8	
1/4			5.3	
C			5.6	48.9
1/4			5.9	
C			6.2	
W.L.			6.5	48.0

54.49

Foude

100' N. Long Branch.

W.L.			7.6	46.9
C			7.3	
1/4			6.7	
C			6.2	48.3
1/4			6.1	
C			5.7	
E.L.			5.6	48.9

150' N. Long Branch.

E.L.			6.1	48.4
C			6.3	
1/4			6.7	
C			6.9	47.6
1/4			7.7	
C			7.8	
W.L.			7.9	46.6

54.49

200' N Long Branch.

W.L.			8.2	46.3
C			7.6	
1/4			7.3	
C			7.0	47.5
1/4			7.0	
C			6.8	
E.L.			6.4	48.1

215' N = S Line Muir St. (50')

E L			6.7	47.8
C			6.7	
1/4			7.0	
C			7.0	47.5
1/4			7.6	
C			7.6	46.9
W.L.	5.86	51.98	8.43	46.12 46.06

51.98

Froude 77

N.L. Muir St.

W.L.			5.4	46.6
C			5.2	
1/4			5.0	
C			4.2	47.8
1/4			4.2	
C			3.8	
E.L.			3.8	48.2

50' N. Muir St.

E L.			4.5	47.5
C			4.5	
1/4			4.6	
C			4.6	47.4
1/4			5.3	
C			5.3	
W.L.			5.4	46.6

51.98

100' n. minor St

W. L.			5.2	46.8
c			5.4	
1/4			5.4	
c			5.0	47.0
1/4			5.0	
c			5.0	
E. L.			5.0	47.0

150' n. minor St.

E. L.			5.3	46.7
c			5.4	
1/4			5.7	
c			5.5	46.5
1/4			5.8	
c			5.9	
W. L.			6.2	45.8

51.98

197.75' n = S. L. Voltaire on East Line

W. L.			6.6	45.4
c			6.4	
1/4			6.4	
c			6.0	46.0
1/4			6.3	
c			6.0	
E. L.			6.0	46.0

197.75 on E } = S. L. Voltaire (80)
202.75 on W } (92)

E. L.			6.0	46.0
c			6.1	
1/4			6.4	
c			6.1	45.9
1/4			6.4	
c			6.7	
W. L.			6.6	45.4
T. P.	4.63	50.01	6.60	45.38

50.01

(62.5) north line Voltaire (See Page 1)

E. L.	4.6	45.4
C	4.5	
1/4	5.0	
C	4.9	45.1
1/4	5.4	
C	5.5	
W. L.	5.8	44.2

(60)' north line Voltaire W. 15' N on the E. = 0.0

W. L.	5.8	44.2
C	5.6	
1/4	5.5	
C	5.0	45.0
1/4	5.0	
C	4.5	
E. L.	4.6	45.4

50.01

Fraude

50' north Voltaire St

E. L.	4.9	45.1
C	5.1	
1/4	5.4	
C	5.4	44.6
1/4	6.0	
C	6.1	
W. L.	6.0	44.0

100' N Voltaire St.

W. L.	6.5	43.5
C	6.3	
1/4	6.2	
C	5.6	44.4
1/4	5.3	
C	5.1	
E. L.	5.1	44.9

50.01

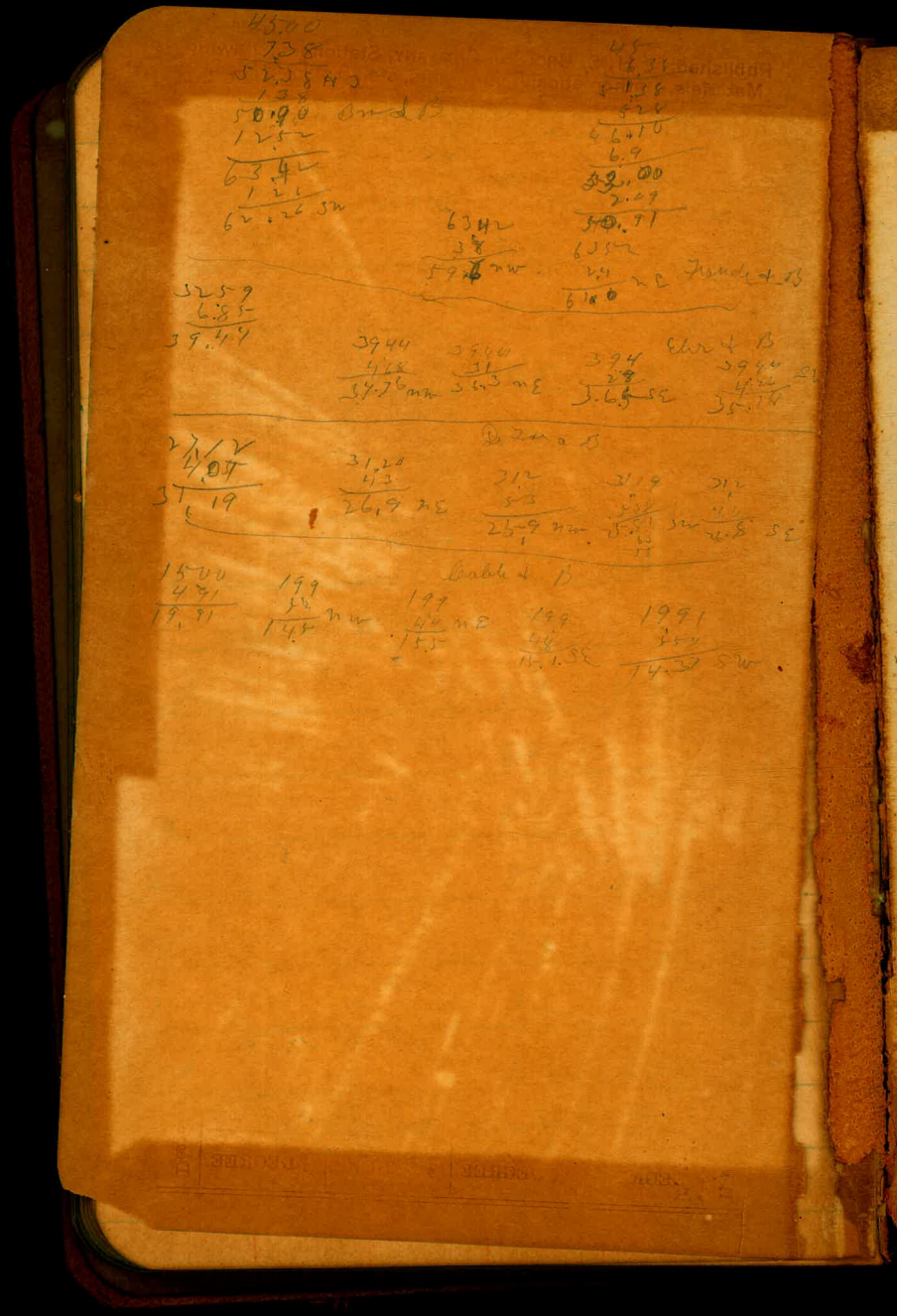
150' n. Voltaire St. #400

E.L.	5.2	44.8
C	5.2	
¼	5.7	
C	5.5	44.5
¼	6.2	
C	6.5	
W.L.	6.7	43.3

200' n. Voltaire St.

W.L.	6.9	43.1
C	6.9	
¼	6.3	
C	5.8	44.2
¼	5.6	
C	5.3	
E.L.	5.1	44.9

Continued Book 464.



Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, Mathematical Instruments, etc., San Francisco.

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		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		