337

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

TRANSIT

398

F.B. 337

FB # 337 PAGE

3RD ST. LAUREL to JUNIPER, SEWER LEVELS — 2-4

NUTMEG FIRST to STATE - 6-14
LEVELS

WOOLMAN, 28th to 32nd — 16-41
X-SECTIONS

39th St., WOOLMAN to — 42-67
SIGEL. X-SECTIONS

SIGEL, 38th to 39th --- 68-72
X-SECTIONS

SUPERBA St. 38th to 39th - 73-76
X-SECTIONS

CITY PARK, EAST OF 10th - 78-79
SEWER LEVELS.

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 337

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	47.71	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.		

MODIFIED 1964

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

Crocker Quality

TRANSIT BOOK

COMMUNI CONSENSU PRIMO TRADE MARK

No. 337

MANUFACTURED BY

H. S. CROCKER CO.

SAN FRANCISCO AND SACRAMENTO
CALIFORNIA

FROM
LORING'S BOOK STORE
SAN DIEGO, CAL.

Levels for proposed sewer on 3rd st
Laurel to Juniper 9/28/08 Dunkle Shaw Thomas

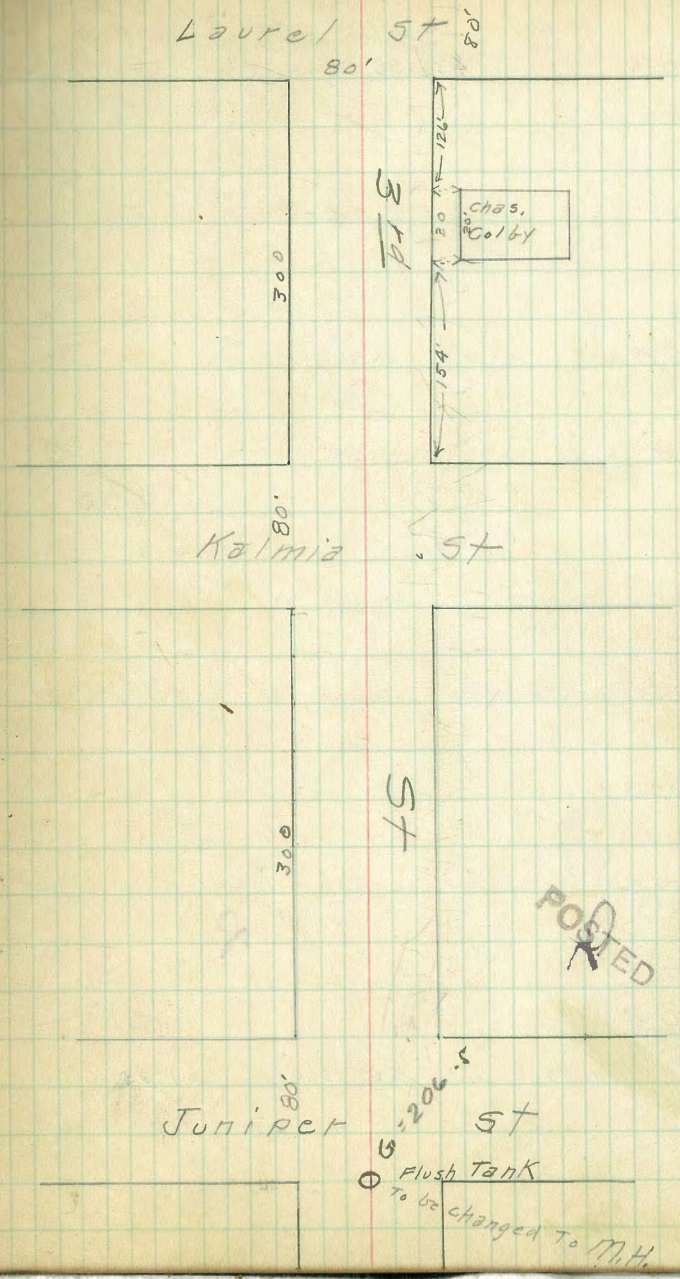
B.M. Brass Plg. 4th & Kalmia 224.95

B.M 11.41 236.36

Center 3rd

S.L. Laurel	0.30.	236.1
0+25'S	1.2	235.2
0+50	2.3	234.1
0+75	3.4	233.0
1+0	4.3	232.1
1+25	5.3	231.1
1+46	6.1	230.3
Top of foundation. Colbys. House → 3.6 ground at S.W. cor. house → 6.0		
1+50	6.3	230.1
1+75	7.3	229.1

Posted



POSTED

236.36 H.I

	+ R	H.I.	− R
2+0.5,		236.36	
2+25			
2+50			
2+75			
3+0 = N.L. Kalmia			
3+40 = center Kalmia			
3+80 = S.L. "			
0+25 W. of Kalmia			
0+50			
T.P	1.30	225.65	12.01	224.35

E	Center	W
227.36 / 0		228.76 / 4
227.76 / 0	228.66 / 4	227.67 / 10
224.76 / 0	226.86 / 7	226.96 / 10
226.66 / 0	227.56 / 3	226.76 / 8
224.26 / 0		
223.06		
221.96		
223.16		
224.26		

POSTED

0+75 S. of Kalmia 225.65

1+0

1+25

1+50

1+75

2+0

2+25

2+50

2+75

3+0 = N.L. Juniper

Center

S.L. Juniper & Flush Tank, in center Third St.

E Center W

221.75
0

216.75 / 0 — 219.65 / 11 — 220.25 / 16

207.65 / 0 — 220.15 / 30 — 220.15 / 35

208.45 / 0 — 219.85 / 30 — 219.95 / 35

213.15

214.25

212.95

214.25

216.05

215.25

212.65

209.35 = bottom of F. Tank

Note. - Top of 6" sewer pipe is 3" below bottom of F.T. by advice of Mr Julian

POSTED

Levels for Nutmeg First st to State St,

10/2/08 — Dunkle
Shane
Thomas

222.00 B.M. 1st & Laurel

B.M.	7.93	229.93		222.00
		W.L. First St		
N			1.9	228.0
M			4.9	225.0
S			12.7	217.5
		0+25 W		
S			21.2	208.7
M			12.2	217.7
N			6.6	223.3
T.P.	0.70	218.26	12.37	217.56
		0+50 218.26		
N			2.6	215.7
M			9.7	208.5
S			17.6	200.7
T.P.	0.89	206.77	12.38	205.88
		0+75 206.77		
S			10.2	196.6
M			7.3	199.5
N			6.8	200.0
T.P.	0.38	194.37	12.78	193.99

	+ R	H.I. 194.37	H.I. R	Elev
		194.37 1+0	W.	
N			5.6	188.8
M			6.2	188.2
S			8.8	185.6
T.P.	0.19	182.31	12.25	182.12
		182.31 1+25		
S			5.9	176.4
M			4.7	177.6
N			2.9	179.4
		1+50		
N			12.6	169.7
M			10.6	171.7
S			16.2	166.1
T.P.	0.69	171.11	11.89	170.42
		1+75		162.5
S			8.6	
M			9.1	162.0
N			9.6	161.5

POSTED

171.11

2+00 = E.L. Front

N	12.5	158.6
M	21.9	149.2
S.	5.8	165.3

center of Front St

S	4.9	166.2
M	24.9	146.2
N	22.4	148.7

W.L. Front

N	39.4	131.7
M	25.7	145.4
S.	6.2	164.9

T.P.	0.82	159.24	12.69	158.42

0+25 W

S	+ 4.2	155.0
M	14.8	144.4
N	32.5	126.7

159.24

	+ R	H.I.	− R	Elev
		0+50		
N			32.3	126.9
M			18.5	140.7
S			1.0	158.2
		0+75		
S			6.3	152.9
M			21.4	137.8
N			32.1	126.1
T.P.	0.73	147.12	12.85	146.39
		1+0		
N			22.2	124.9
M			14.2	132.9
S			3.5	143.6
T.P.	0.58	134.72	12.98	134.14
		1+25		
S			1.1	133.6
M			8.4	126.3
N			14.3	120.4
		1+50		
N.			18.2	116.5
M.			17.7	117.0
S.			11.0	123.7
T.P.	0.44	122.23	12.93	121.79

POSTED

		122.23			
~~1+75~~		1+75			
S			9.3	112.9	
M			9.7	112.5	
N			14.2	108.0	
		2+0 = E.L. Albatross			
N			16.7	105.5	
M			18.0	104.2	
S.			14.2	106.0	
		center of Albatross			
S			20.1	102.1	
M			15.7	106.5	
N			12.0	110.2	
T.P.	12.71	134.55	0.39	121.84	nail on bridge W. Truss. N end.
		W.L. Albatross			
N			9.2	125.4	
M			12.2	122.4	
S			19.3	115.3	

	+ R	H.I	− R	10/7/08	Dunkin Shaw Thomas
		134.55			
		0+25			
S			10.9	123.7	
M			3.6	131.0	
N			0.7	133.9	
T.P.	12.76	147.10	0.21	134.34	
		0+50			
N			5.0	142.1	
M			13.8	133.3	
S			20.8	126.3	
		0+75			
S			22.4	124.7	
M			13.6	133.5	
N			3.0	144.1	
T.P.	10.10	156.59	0.61	146.49	
		1+0			
N			7.8	148.8	
M			21.2	135.4	
S.			31.9	124.7	

POSTED

		156.59		
		1+25		
S			25.1	131.5
M			15.1	141.5
N			0.7	155.9
T.P.	11.61	167.93	0.27	156.32
		1+50		
N			2.8	165.1
M			20.2	147.7
S			28.2	139.7
		1+75		
S			20.1	147.8
M			7.9	160.0
N			+8.5	176.4
T.P.	11.38	179.06	0.25	167.68
		2+0 = E.L. Brant St		
N			0.0	179.1
M			9.3	169.8
S			25.1	154.0
		Center Brant		
S			19.3	159.8
M			4.2	174.9
N			+3.1	182.2
T.P.	7.28	184.20	2.14	176.92

		184.20		
		W.L. Brant		
N			0.7	183.5
M			3.9	180.3
S			15.4	168.8
		0+25		
S			11.3	172.9
M			3.9	180.3
N			1.1	183.1
		0+50		
N			1.2	183.0
M			4.0	180.2
S			9.6	174.6
		0+75		
S			12.8	171.4
M			6.7	177.5
N			6.0	178.2
T.P.	0.06	171.72	12.54	171.66
		1+0		
N			5.0	166.7
M			4.0	167.7
S			6.8	164.9

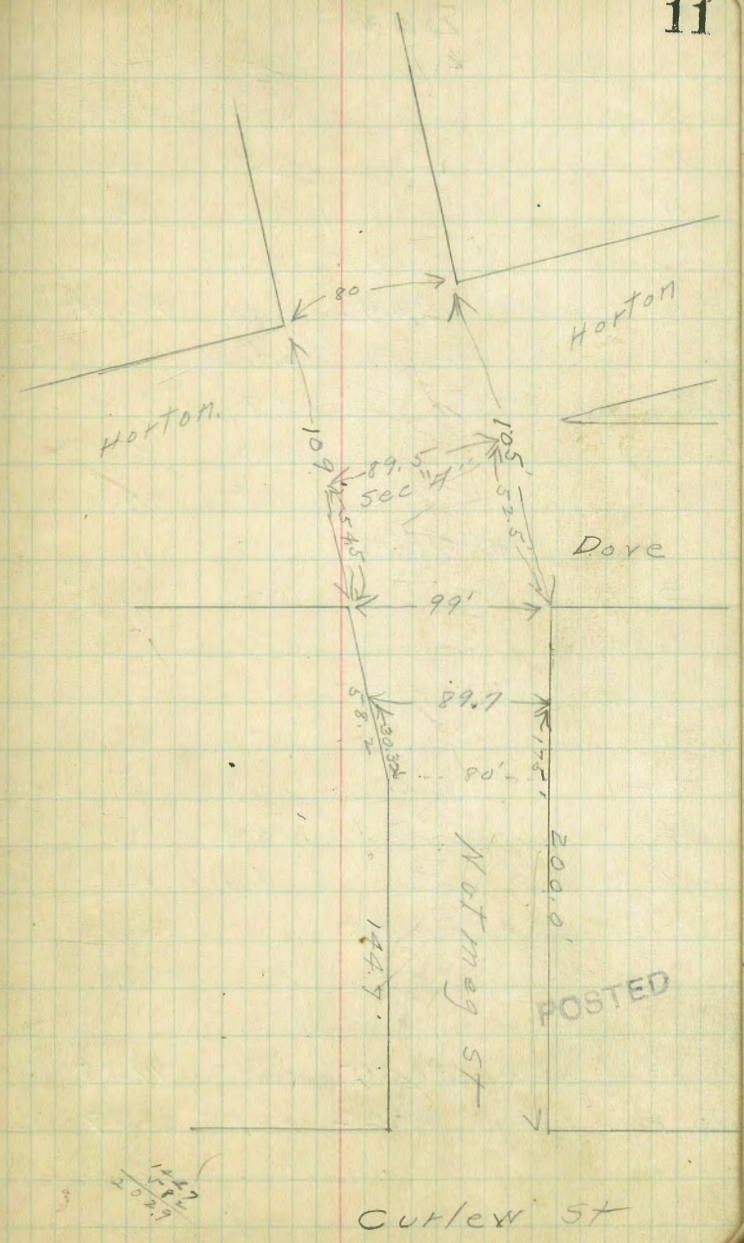
POSTED

		171.72			
		1+25			
S			12.0	159.7	
M			12.3	159.4	
N			12.6	159.1	
T.P.	0.65	159.59	12.78	158.94	
		1+50			
N			10.9	148.7	
M			10.2	149.4	
S			7.1	152.5	
T.P.	0.75	147.38	12.96	146.63	
		1+75			
S			4.6	142.8	
M			6.8	140.6	
N			8.3	139.1	
T.P.	0.23	139.62	12.99	139.39	10/15/08
		2+0 = E.L. Curlew st			
N			6.0	128.6	
M			5.1	129.5	
S			3.6	131.0	
T.P.	0.76	122.68	12.70	121.92	

		121.08			
		Center Curlew			
S			4.6	116.5	
M			10.8	110.3	
N			8.6	112.5	
T.P.	0.43	112.32	10.79	111.89	center pig Curlew & Nutmeg
		W.L. Curlew			
N			15.2	97.1	
M			12.5	94.8	
S			5.8	106.5	
T.P.	0.67	100.17	12.82	99.50	
		0+5 W			
S			1.0	99.2	
M			13.4	86.8	
N			13.5	86.7	
T.P	0.57	87.73	13.01	87.16	
		0+50			
N			8.8	79.9	
M			7.2	80.5	
S			+1.6	89.3	
		0+75			
S			8.7	79.0	
M			10.3	77.4	
N			12.4	75.3	

POSTED

		87.73		
		1+0		
N			15.8	71.9
M			17.5	70.2
S			13.9	73.8
		1+25		
S			19.1	68.6
M			14.9	72.8
N			10.8	76.9
		1+44.7		
N			6.7	81.0
M			12.3	75.4
S			16.4	71.3
		1+75 Nutmeg 89.7' Wide See Plot		
S			12.0	75.7
M+45			8.1	79.6
N			+5.4	93.1
T.P.	10.31	97.52	0.52	87.21
T.P.	7.89	104.89	0.52	97.00
		2+00 = E.L. Dove - See Plot		
N			3.3	101.6
M			13.7	91.2
S			24.4	80.5



104.89

center Nutmeg-Dove-Horton sec'n"

S			16.1	88.8
M			8.5	96.4
N			0.3	104.6
T.P.	0.51	92.46	12.94	91.95
		W.L. Horton		
N			1.7	90.8
M			4.0	88.5
S.			4.5	87.7
		0+22		
S			10.6	81.9
		0+25		
S			25.6	66.9
+15			25.6	66.9
+20			10.9	81.6
M			10.4	82.1
N			9.4	83.1
		0+48		
N			15.6	76.9
T.P.	1.07	80.95	12.58	79.88
T.P.	1.25	69.22	12.95	67.97

69.22

		0+50		
N			4.7	64.5
M			3.3	66.0
S.			2.1	67.1
		0+75		
S			2.9	66.3
M			3.6	65.6
N			4.9	64.3
		1+0		
N			4.5	64.7
M			4.2	65.0
S			3.6	65.6
		1+25		
S			4.8	64.4
M			5.1	64.1
N			5.2	64.0
		1+50		
N			12.3	56.9
M			6.5	62.7
S			6.6	62.6
		1+75		
S			7.7	61.5
M			11.9	57.3
N			15.5	53.7

POSTED

69.22

240 = E.L. Union St

N			17.0	√2.2
M			15.9	√3.3
S			8.1	61.1
T.P.	0.16	56.46	12.92	56.30

Center Union

S			3.0	√3.√
M			7.6	48.9
N			5.7	√0.8

W.L. Union

N			6.7	49.8
M			5.8	√0.7
S			9.4	47.1

0+25

S			7.1	49.4
M			7.9	48.6
N			3.8	√2.7
T.P.	12.47	68.59	0.34	56.12

0+50

N			5.6	63.0
M			18.3	√0.3
S			20.5	48.1

68.59

0+75

S			14.1	√4.√
M			+0.4	69.0
N			+1.1	69.7
T.P.	12.85	80.76	0.68	67.91

1+0

N			+1.3	82.1
M			10.9	69.9
S			11.6	69.2
T.P.	12.66	93.07	0.49	80.36

1+25

S			17.9	75.1
M			15.0	78.0
N			6.9	86.1

1+50

N			3.1	89.9
M			5.2	87.8
S			8.9	84.1
T.P.	12.71	105.25	0.48	92.54

1+75

S			12.0	93.3
M			9.1	96.2
N			7.9	97.4

POSTED

105.25

2+0 = E.L. state

N + 1.5 103.8

M 1.0 104.3

S 3.7 101.5

POSTED

X-section Woolman 28th to 32nd Dunkle
10/19/08 Shaw
Thomas

B.M. brass plg cor Sampson & Grant 90.97

B.M.	4.25	95.22	90.97	
T.P.	10.98	104.48	1.72	93.50

No Street between 28th and 30th.

E.L. 28th

N		11.5	93.0
crb		11.7	
"/a		11.5	
M		11.6	92.9
"/a		12.3	
crb		13.0	
S		13.4	91.1
	0+25 E		
S		13.0	91.5
crb		12.0	
"/a		11.5	
M		11.9	92.6
"/a		11.8	
crb		11.3	
N		10.4	94.1

POSTED

	104.48		
	0+50		
N		10.9	93.6
crb		11.8	
"/a		12.1	
M		12.0	92.5
"/a		12.7	
crb		12.3	
S		13.0	91.5
	0+75		
S		13.5	91.0
crb		13.8	
"/a		13.5	
M		12.6	91.9
"/a		12.0	
crb		11.5	
N		10.5	94.0
	1+0		
N		9.9	94.6
crb		11.3	
"/a		11.9	
M		12.4	92.1
"/a		12.9	
crb		13.4	
S		14.2	90.3

POSTED

	104.48		
	1+25		
S		13.9	90.6
crb		13.1	
1/4		12.4	
N		12.1	92.4
1/4		11.7	
crb		11.3	
N		8.7	95.8
	1+50		
N.		8.3	96.2
crb		10.5	
1/4		11.2	
M		11.7	92.8
1/4		11.7	
crb		12.2	
S		13.0	91.5
	1+75		
S		11.5	93.0
crb		11.2	
1/4		10.9	
M		10.7	93.8
1/4		10.4	
crb		9.4	
N		8.1	96.4

	104.48		
	2+0		
N		6.0	98.5
crb		7.9	
1/4		9.2	
M		9.8	94.7
1/4		9.4	
crb		10.2	
S		9.4	95.1
	2+25		
S		9.3	95.2
crb		8.8	
1/4		8.4	
M		8.7	95.8
1/4		8.1	
crb		6.9	
N		4.9	99.6
	2+50		
N		4.5	100.0
crb		6.7	
1/4		7.4	
M		8.0	96.5
1/4		7.9	
crb		8.5	
S		8.8	95.7

	104.48			
	2+75			
S		8.2	96.3	
Crb		7.3		
1/4		7.1		
M		6.9	97.6	
1/4		6.2		
Crb		5.2		
N		3.9	100.6	
	3+0			
N		3.2	101.3	
Crb		4.2		
1/4		5.2		
M		5.4	99.1	
1/4		5.8		
Crb		6.7		
S		7.7	96.8	
	3+25			
S		6.3	98.2	
Crb		5.1		
1/4		4.1		
M		3.6	100.9	
1/4		3.9		
Crb		3.1		
N		2.4	102.1	

		3+50		
N			1.9	102.6
Crb			2.6	
1/4			2.9	
M			2.8	101.7
1/4			3.1	
Crb			4.0	
S			5.1	99.4
		3+75		
S			4.0	100.5
Crb			3.7	
1/4			3.1	
M			2.3	102.2
1/4			2.7	
Crb			2.2	
N			1.8	102.7
		4+0		
N			1.9	102.6
Crb			2.6	
1/4			2.9	
M			2.6	101.9
1/4			3.1	
Crb			3.3	
S			3.7	100.8

	104.48		
	4+25		
S		3.5	101.0
crb		3.2	
W		3.0	
M		3.2	101.3
W		3.8	
crb		3.5	
N		2.8	101.7
	4+50		
N		3.8	100.7
crb		4.2	
W		4.6	
M		3.9	100.6
W		3.5	
crb		3.6	
S		4.0	100.5
	4+75		
S		5.0	99.5
crb		5.0	
W		4.9	
M		4.1	100.4
W		5.0	
crb		5.1	
N		4.7	99.8

	5+0		
N		5.3	99.2
crb		5.5	
W		5.6	
M		5.1	99.4
W		5.6	
crb		6.2	
S		6.4	98.1
	5+25		
S		7.2	97.3
crb		6.9	
W		6.6	
M		6.2	98.3
W		6.1	
crb		5.8	POSTED
N		5.8	98.7
	5+50		
N		5.9	98.6
crb		6.4	
W		6.4	
M		6.2	98.3
W		6.7	
crb		6.9	
S		7.0	97.5

		104.48		
		5+75		
S			7.2	97.3
crb			7.1	
1/4			6.7	
M			6.4	98.1
1/4			6.4	
crb			5.7	
N			5.9	98.6
	6+00 = W.L. 29 ft St			
N			5.6	98.9
crb			5.9	
1/4			6.6	
M			6.2	98.3
1/4			6.3	
crb			6.2	
S			6.9	97.6
T.P.	2.72	100.38	6.82	97.66
	W. Curb			
S			2.9	97.5
crb			2.2	
1/4			2.5	
M			2.3	98.1
1/4			2.5	
crb			1.9	
N			1.6	98.8

		100.38	
	W 1/4		
N		1.8	98.6
crb		2.1	
1/4		2.5	
M		2.1	98.3
1/4		2.6	
crb		3.1	
S		3.2	97.2
	Center		
S		3.3	97.1
crb		3.1	
1/4		2.6	
M		2.2	98.2
1/4		2.4	
crb		2.2	
N		1.5	98.9
	E 1/4		
N		1.3	99.1
crb		1.9	
1/4		2.5	
M		2.3	98.1
1/4		2.7	
crb		3.1	
S		3.4	97.0

See Page 27

X-section Grape st E.L. Fern To W.L. 31st
For foot bridge
Grape st 75' wide
B.M. spk in tel pole S.E. Cor Grape & 30th 276.69

10/9/08 Dunkle
Shaw
Thomas.

	+ R	H.I.	− R		
B.M.	3.03	279.72		276.69	B.M.

E.L. Fern i.e. as it runs from Grape to Hawthorn

N			5.8	273.9
Crb			6.3	273.4
1/4			6.3	273.4
M			6.4	273.3
1/4			6.9	272.8
Crb			6.5	273.2
S			6.5	273.2
		0+25 E		
S			7.5	272.2
Crb			7.8	271.9
1/4			7.3	272.4
M			7.3	272.4
1/4			6.9	272.8
Crb			6.3	273.4
N			7.3	272.4
		0+50		
N			7.4	272.3
Crb			6.5	273.2
1/4			7.4	272.3
M			7.5	272.2
1/4			8.6	271.1
Crb			8.5	271.2
S.			8.9	270.8

POSTED

			279.72	
	0+75			
S		9.8		269.9
Crb		9.6		270.1
1/4		9.4		270.3
M		9.2		270.5
1/4		8.9		270.8
Crb		8.5		271.2
N		8.1		271.6
	1+0			
N		8.5		271.2
Crb		8.9		270.8
1/4		9.0		270.7
M		9.5		270.2
1/4		9.6		270.1
Crb		10.1		269.6
S		10		269.7
	1+25			
S		10.5		269.2
Crb		10.4		269.3
1/4		10.4		269.3
M		9.9		269.8
1/4		9.5		270.2
Crb		9.5		270.2
N		9.1		270.6

POSTED

POSTED

		279.72					279.72		
		1+50					2+25		
N			9.2	270.5	S			11.9	267.8
crb			9.6	270.1	crb			11.6	268.1
1/4			9.7	270.0	1/4			11.6	268.1
M			9.9	269.8	M			11.5	268.2
1/4			10.2	269.5	1/4			11.2	268.5
crb			10.5	269.2	crb			11.1	268.6
S			10.5	269.2	N			10.8	268.9
		1+75					2+50		
S			10.3	269.4	N			12.5	267.2
crb			10.6	269.1	crb			12.5	267.2
1/4			10.4	269.3	1/4			12.3	267.4
M			10.2	269.5	M			12.3	267.4
1/4			10.0	269.7	1/4			12.6	267.1
crb			9.9	269.8	crb			12.8	266.9
N			9.5	270.2	S			13.0	266.7
		2+0			T.P.	2.31	269.28 ✓	12.75	266.97
N			10.1	269.6			2+75		
crb			10.4	269.3	S			5.0	264.3
1/4			10.6	269.1	crb			3.4	265.9
M			11.0	268.7	1/4			3.4	265.9
1/4			11.1	268.6	M			4.6	264.7
crb			11.3	268.4	1/4			4.7	264.6
S			11.0	268.7	crb			5.1	264.2
					N			5.6	263.7

POSTED

		269.28			
		3+0			
N			11.2		258.1
crb			10.5		258.8
W			10.0		259.3
M			9.0		260.3
W			8.5		260.8
crb			8.6		260.7
S			8.6		260.7
T.P.	1.50	258.09	12.69	256.59	
		3+20			
S			2.1		256.0
crb			2.5		255.6
W			2.4		255.7
M			2.7		255.4
W			3.5		254.6
crb			4.2		253.9
N			5.5		252.6
		3+30			
N			9.5		248.6
crb			8.2		249.9
W			6.5		251.6
M			5.3		252.8
W			5.1		252.0
crb			5.5		252.6
S			4.6		253.5

		253.09		
		3+40		
S			10.2	247.9
crb			11.7	246.4
W			11.2	246.9
M			10.4	247.7
W			11.9	246.2
crb			13.1	246.0
N			13.9	244.2
T.P.	0.20	245.85	12.44	245.65
		3+50		
N			6.9	239.0
crb			6.0	239.9
W			4.7	241.2
M			3.9	242.0
W			4.8	241.1
crb			5.3	240.6
S			6.3	239.6
		3+60		
S			10.4	235.5
crb			10.4	235.5
W			9.4	236.5
M			8.9	237.0
W			9.1	236.8
crb			9.9	236.0
N			10.6	235.3

245.85

3+70

N	12.7	233.2
crb	12.9	233.0
℄	12.9	233.0
M	13.6	232.3
℄	13.9	232.0
crb	14.6	231.3
S	14.9	231.0

3+80

S	18.8	227.1
crb	18.3	227.6
℄	17.2	228.7
M	16.2	229.7
℄	16.3	229.6
crb	16.9	229.0
N	14.9	231.0

3+90

N	16.7	229.2
crb	16.2	229.7
℄	16.3	229.6
M	16.6	229.3
℄	17.1	228.8
crb	17.7	228.2
S	18.1	227.8

245.85

4+0

S	17.2	228.7
crb	17.1	228.8
℄	16.6	229.3
M	15.9	230.0
℄	15.2	230.7
crb	15.1	230.8
N	14.8	231.1

4+10

N	11.0	234.9
crb	12.6	233.3
℄	13.5	232.4
M	14.2	231.7
℄	14.4	231.5
crb	14.6	231.3
S	14.6	231.3

4+20

S	10.7	235.2
crb	10.7	235.2
℄	10.9	235.0
M	10.1	235.8
℄	9.4	236.5
crb	8.4	237.5
N	6.6	239.3

POSTED

		245.85		
		4+30		
N			1.6	244.3
crb			4.6	241.3
1/4			5.1	240.8
M			5.2	240.7
1/4			6.8	239.1
crb			6.1	239.8
S			6.1	239.8
T.P.	12.99	258.45	0.39	245.46
		4+40		
S			13.1	245.4
crb			13.8	244.7
1/4			13.9	244.6
M			12.6	245.9
1/4			11.9	246.6
crb			11.0	247.5
N			8.4	250.1
T.P.	11.00	269.06	0.39	258.06
		4+60		
N			10.5	258.6
crb			12.5	256.6
1/4			13.6	255.5
M			14.1	255.0
1/4			14.5	254.6
crb			14.5	254.5
S			15.4	253.7

		269.06			
		4+80		Elevations	
S			7.1		262.0
crb			6.2		262.9
1/4			6.4		262.7
M			5.6		263.5
1/4			4.7		264.4
crb			4.3		264.8
N			3.4	✓	265.7
T.P.	8.87	276.44	1.49	267.57	
		5+0			
N			8.3		268.1
crb			8.9		267.5
1/4			8.8		267.6
M			9.2		267.2
1/4			9.5		266.9
crb			9.2		267.2
S			10.0		266.4
		5+25			
S			8.2		268.2
crb			7.8		268.6
1/4			7.6		268.8
M			7.3		269.1
1/4			7.0		269.4
crb			6.7		269.7
N			6.3		270.1

POSTED

	276.44		
	5+50		
N		5.4	271.0
crb		5.8	270.6
1/4		6.0	270.4
M		6.3	270.1
1/4		6.7	269.7
crb		6.8	269.6
S		7.1	269.3
	5+75		
S		6.7	269.7
crb		6.3	270.1
1/4	POSTED	6.1	270.3
M		6.0	270.4
1/4		5.5	270.9
crb		5.4	271.0
N		5.1	271.3
5+97.5 W.L. 31st St			
N		4.8	271.6
crb		5.1	271.3
1/4		5.5	270.9
M		5.8	270.6
1/4		6.1	270.3
crb		6.4	270.0
S		6.6	269.8

POSTED

Woolman St Continued
from Page 20

100.38

E. Curb 29th St

S	3.2	97.2
Crb	2.9	
1/4	2.7	
M	2.2	98.2
1/4	2.9	
Crb	2.0	
N	1.6	98.8

E. L. 29th St

N	1.8	98.6
Crb	2.3	
1/4	2.8	
M	2.5	98.9
1/4	2.8	
Crb	3.2	
S	3.6	96.8

0+25 E

S	3.1	97.3
Crb	3.0	
1/4	2.5	
M	2.8	97.6
1/4	3.1	
Crb	2.9	
N	2.2	98.2

POSTED

100.38

0+50

N	2.5	97.9
Crb	3.1	
1/4	3.9	
M	3.2	97.2
1/4	3.5	
Crb	3.6	
S	4.1	96.3

0+75

S	5.0	95.4
Crb	4.7	
1/4	4.1	
M	3.5	96.9
1/4	4.2	
Crb	3.5	
N	3.0	97.3

1+0

N	3.6	
Crb	4.0	
1/4	4.5	
M	4.0	96.4
1/4	4.7	
Crb	5.2	
S	5.4	95.0

POSTED

	100.38		
	1+25		
S		5.8	94.6
crb		5.8	
1/4		5.3	
M		4.8	95.6
1/4		4.9	
crb		4.5	
N		4.1	96.3
	1+50		
N		3.5	96.9
crb		3.4	
1/4		4.6	
M		4.6	95.8
1/4		5.5	
crb		5.7	
S		6.0	94.4
	1+75		
S		5.6	94.8
crb		5.5	
1/4		5.1	
M		4.7	95.7
1/4		4.5	
crb		4.0	
N		3.8	96.6

	2+0		
N		3.6	96.8
crb		3.6	
1/4		4.3	
M		4.4	96.0
1/4		5.1	
crb		5.4	
S		5.9	94.5
	2+25		
S		4.9	95.5
crb		5.5	
1/4		4.9	
M		4.6	95.8
1/4		4.5	
crb		4.2	
N		3.7	96.7
	2+50		
N		3.7	96.7
crb		4.0	
1/4		4.3	
M		4.4	96.0
1/4		4.6	
crb		5.0	
S		5.7	94.7

POSTED

	100.38		
	2+75		
S	5.6	94.8	
crb	5.0		
1/4	4.5		
M	3.7	96.7	
1/4	4.0		
crb	3.7		
N	3.3	97.1	
	3+0		
N	3.4	97.0	
crb	3.8		
1/4	4.1		
M	4.0	96.4	
1/4	4.5		
crb	5.1		
S	5.6	94.8	
	3+25		
S	4.8	95.6	
crb	5.2		
1/4	4.6		
M	4.0	96.4	
1/4	4.1		
crb	3.9		
N	3.7	96.7	

	3+50		
N	3.6	96.8	
crb	4.1		
1/4	4.3		
M	4.4	96.0	
1/4	4.9		
crb	5.2		
S	5.5	94.9	
	3+75		
S	5.0	95.4	
crb	4.7		
1/4	4.6		
M	4.4	96.0	
1/4	4.3		
crb	4.0		
N	3.4	97.0	
	4+0		
N	3.1	97.3	
crb	3.4		
1/4	4.0		
M	3.6	96.8	
1/4	4.3		
crb	4.8		
S	5.3	95.1	

	100.38		
	4+25		
S	5.2	95.2	
crb	4.7		
1/4	4.3		
M	3.6	96.8	
1/4	3.6		
crb	3.2		
N	2.9	97.5	
	4+50		
N	2.7	97.7	
crb	3.6		
1/4	4.1		
M	4.3	96.1	
1/4	4.8		
crb	5.2		
S	5.5	94.9	
	4+75		
S	6.2	94.2	
crb	5.7		
1/4	5.4		
M	5.0	95.4	
1/4	4.6		
crb	4.0		
N	3.2	97.2	

	5+0		
N	2.6	97.8	
crb	4.1		
1/4	5.0		
M	5.1	95.3	
1/4	5.4		
crb	5.5		
S	6.5	93.9	
	5+25		
S	7.5	92.9	
crb	6.9		
1/4	6.3		
M	5.1	95.3	
1/4	5.3		
crb	4.3		
N	3.3	97.1	
	5+5.0		
N	4.1	96.3	
crb	5.2		
1/4	6.2		
M	6.1	94.3	
1/4	6.9		
crb	7.7		
S	8.5	91.9	

10/20/08 Dunkle Shane Thomas

		100.38		
		5+75		
S			8.8	91.6
Crb			8.5	
1/4			8.6	
M			7.8	92.6
1/4			7.9	
Crb			7.4	
N			7.0	93.4
	6+0 =	W.L. 30th St		80' wide
N			8.2	92.2
Crb			9.6	
1/4			9.3	
M			9.3	91.1
1/4			9.8	
Crb			9.9	
S			10.6	89.8
T.P.	4.15	92.08	12.45	87.93
		W. Curb.		
S			2.9	89.2
Crb			2.1	
1/4			2.2	
M			1.7	90.4
1/4			1.8	
Crb			2.5	
N			1.0	91.1

		92.08		
		W 1/4		
N			2.2	89.9
Crb			3.6	
1/4			2.7	
M			2.7	89.4
1/4			3.2	
Crb			3.8	
S			4.1	88.0
		center		
S			4.4	87.7
Crb			4.8	
1/4			4.4	
M			3.9	88.2
1/4			3.7	
Crb			4.5	
N			4.2	87.9
		E 1/4		
N			4.6	87.5
Crb			4.9	
1/4			4.2	
M			4.1	88.0
1/4			4.9	
Crb			5.4	
S			5.5	86.6

POSTED

92.08

E. Curb

S	6.1	86.0
crb	6.1	
1/4	6.2	
M	5.1	87.0
1/4	5.0	
crb	5.8	
N	4.5	87.6

E.L. 30 H

N	5.1	87.0
+12	5.7	
crb	6.7	
1/4	6.0	
M	6.0	86.1
1/4	7.0	
crb	6.9	
S	7.5	84.6

0+25

S	9.2	82.9
crb	8.8	
1/4	8.2	
M	7.7	84.4
1/4	7.7	
crb	8.4	
+2	7.0	
N	6.1	86.0

92.08

0+50

N	7.8	84.3
+12	8.7	
crb	9.6	
1/4	9.1	
M	9.1	83.0
1/4	10.1	
crb	10.4	
S	10.9	81.2

0+75

S	12.4	79.7
crb	12.4	
1/4	11.2	
M	10.7	81.4
1/4	10.6	
crb	11.1	
+2	10.0	
N	9.4	82.7
T.P. 2.08	82.60	11.56	80.57

1+0

N.	0.9	81.7
+12	1.7	
crb	2.7	
1/4	2.4	
M	2.4	80.2
1/4	3.2	
crb	4.2	
S	4.6	78.0

	82.60		
	1+25		
S		6.5	76.1
crb		6.3	
1/4		4.9	
M		4.2	78.4
1/4		4.1	
crb		4.4	
+2		3.3	
N		2.3	79.3
	1+50		
N		5.0	77.6
crb		5.5	
~~+2~~		6.4	
1/4		6.3	
M		6.2	76.4
1/4		7.2	
crb		7.8	
S		8.4	74.2
	1+75		
S		11.0	71.6
crb		10.6	
1/4		9.4	
M		8.2	74.4
1/4		7.9	
+12		8.6	
crb		7.6	
N		6.5	76.1

		2+0		
N			8.1	74.5
crb			9.6	
+4			10.2	
1/4			9.6	
M			9.6	73.0
1/4			10.7	
crb			12.1	
S			12.3	70.3
		2+25		
S			13.3	69.3
crb			12.7	
1/4			11.6	
M			11.1	71.5
1/4			11.1	
+12			11.7	
crb			11.5	
+4			10.6	
N			10.1	72.5
		2+50		
N			11.9	70.7
~~+~~				
crb			12.8	
+4			13.2	
1/4			12.4	
M			12.6	70.0
1/4			13.2	
crb			13.5	
S			14.7	67.9
T.P.	0.53	70.38	12.75	69.85

POSTED

	70.38		
	2+75		
S		3.3	67.1
crb		3.6	
1/4		2.6	
M		1.8	68.6
1/4		1.7	
+12		2.4	
crb		2.1	
+4		1.1	
N		1.1	69.3
	3+0		
N		4.9	65.5
crb		4.5	
1/4		3.4	
M		3.5	66.9
1/4		4.2	
crb		4.7	
S		5.1	65.3
	3+25		
S		9.5	60.9
crb		9.4	
1/4		7.3	
+3		6.0	
M		5.4	65.0
1/4		5.2	
+5		5.3	
+12		8.6	
crb		8.6	
N		8.3	62.1

		70.38		
		3+50		
N			10.6	59.8
crb			10.8	
+2			10.6	
+10			7.1	
1/4			7.2	
M			7.4	63.0
+10			12.1	
1/4			12.4	
crb			13.8	
S			13.8	56.6
		3+75		
S			17.0	53.4
crb			16.9	
1/4			15.9	
+3			15.2	
M			9.3	61.1
1/4			9.3	
+3			9.4	
+5			11.4	
crb			11.7	
N			11.6	58.8
T.P.	0.47	61.37	9.48	60.90
		4+0		
N			2.8	58.6
crb			3.2	
+6			3.2	
+10			1.9	
1/4			2.0	
M			2.3	59.1
+7			6.6	
1/4			7.8	
crb			9.8	
S			10.5	50.9

POSTED

	61.37		
	4+25		
S		11.5	49.9
crb		10.7	
1/4		8.4	
+6		7.3	
M		3.8	57.6
1/4		3.6	
crb		4.5	
N		3.8	57.6
	4+50		
N		4.8	56.6
crb		5.4	
1/4		4.7	
M		4.8	56.6
+7		7.6	
1/4		8.5	
crb		10.5	
S		12.4	49.0
	4+75		
S		11.4	50.0
crb		10.3	
1/4		8.7	
+3		8.3	
M		5.9	55.5
1/4		5.5	
crb		5.8	
N		5.5	55.9

	5+0		
N		5.9	55.5
crb		6.3	
+2		7.2	
1/4		6.4	
M		6.5	54.9
1/4		8.3	
crb		9.4	
S		10.8	50.6
	5+25		
S		8.0	53.4
crb		8.0	
1/4		8.3	
M		7.3	54.1
1/4		7.0	
+12		7.3	
crb		6.7	
N		6.3	55.1
	5+50		
N		6.9	54.5
crb		7.3	
+2		8.2	
1/4		8.0	
M		8.2	53.2
1/4		8.6	
+7		8.2	
crb		7.5	
S		7.6	53.8

		61.37		
		5+75		
S			7.2	54.2
crb			7.4	
1/4			9.2	
M			9.8	51.6
1/4			9.8	
crb			9.8	
+2			9.0	
N			8.5	52.9
		6+0 = W.L. 31st St		
N			11.7	50.3
crb			10.9	
+3			12.1	
1/4			11.7	
M			11.8	49.6
+7			12.0	
1/4			10.6	
+9			9.3	
crb			7.7	
S			7.4	54.0
T.P.	1.76	50.16	12.97	48.40
		W. Curb		
S			+1.5	51.7
crb			+0.3	
1/4			0.9	
M			1.3	48.9
1/4			1.2	
crb			0.9	
N			1.8	48.4

		50.16		
		W. 1/4		
N			3.8	46.4
+3				
crb			2.3	
1/4			1.6	
			1.8	
M			1.8	48.4
1/4			1.9	
crb			1.7	
S			0.9	49.3
		1/4 + 5' = 2' W. of W. rail Nat. City & Otay RR		
S			3.6	46.6
crb			2.8	
1/4			2.6	
M			1.9	48.3
1/4			2.1	
crb			2.6	
N			2.7	47.5
		Center 31st St & Track.		
N			2.0	48.2
crb			2.2	
1/4			2.2	
M			2.4	47.8
1/4			2.9	
crb			3.3	
S			3.6	46.6

POSTED

50.16

Center + 4.5' = 2' E. of E. rail

S	3.8	46.4
Crb	3.4	
1/4	3.0	
M	2.2	48.0
1/4	2.2	
crb	2.5	
N	2.5	47.7

E 1/4

N	6.2	44.0
crb	4.8	
+7	2.2	
1/4	2.2	
M	2.2	48.0
1/4	2.8	
crb	3.5	
S	3.8	46.4

E. Curb

S	4.9	45.3
crb	5.3	
1/4	5.3	
M.	2.5	47.7
1/4	2.3	
+ 4	2.6	
crb	8.1	
+ 2	8.9	
N	9.6	40.6

E.L. 31st St

N	11.1	39.1
+10	11.6	
crb	9.3	
+9	3.2	
1/4	2.7	
M	2.8	47.4
+3	3.4	
+10	7.8	
1/4	7.8	
crb	8.1	
S	7.0	43.2

0+25' E

S	13.7	36.5
crb	13.3	
1/4	12.1	
+3	11.1	
M	4.3	45.9
+2	3.4	
1/4	3.4	
+4	4.1	
crb	10.7	
+4	13.7	
N	14.2	36.0

0+50

N	14.4	35.8
+10	14.7	
+11	10.4	
crb	9.9	
+10	3.9	
1/4	3.6	
+10	3.7	
M	5.7	44.5
1/4	13.1	
crb	15.9	
S	16.8	33.4

	50.16		
	0+75		
S		16.5	33.6
crb		16.0	
+9		14.9	
1/4		13.0	
M		4.8	45.4
+3		3.2	
1/4		3.4	
+5		4.0	
crb		9.0	
+4		12.9	
N		11.6	38.6
	1+0		
N		9.7	40.5
+10		9.4	
crb		7.8	
+10		3.2	
1/4		2.9	
M		3.5	46.7
1/4		11.7	
crb		14.2	
S		15.0	35.2
	1+25		
S		13.7	37.0
crb		12.1	
1/4		11.0	
M		3.5	46.7
+3		2.5	
1/4		2.2	
+5		2.6	
crb		8.4	
N		8.5	41.7

		50.16		
		1+50		
N			8.3	41.9
crb			7.9	
+10			0.9	
1/4			0.9	
M			1.3	48.9
1/4			8.4	
crb			10.2	
S			10.0	40.2
T.P.	10.82	59.82	1.16	49.00
		1+75		
S			12.9	46.9
crb			13.7	
1/4			11.5	
+5			11.3	
+9			9.5	
M			5.7	51.1
1/4			8.3	
+3			8.5	
crb			15.4	
N			17.2	42.6
		2+0		
N			11.3	48.5
+5			9.8	
crb			8.0	
+7			6.1	
1/4			6.0	
M			6.3	53.5
1/4			6.0	
crb			7.6	
S			6.4	53.4

POSTED

		59.82		
		2+25		
S			1.7	58.1
crb			2.6	
114			2.9	
+ 7			2.9	
+ 9			4.8	
M			4.8	55.0
114			4.2	
+ 9			4.7	
+ 11			3.2	
crb			2.8	
~~#~~ 6			2.5	
N			4.5	55.3
		2+50		
N			2.7	57.1
+6			1.2	
crb			2.0	
+ 4			3.0	
114			2.7	
M			3.2	56.6
+ 2			3.6	
+ 9			0.7	
~~#~~ 114			0.7	
crb			1.0	
S			+0.9	60.7
T.P.	11.91	70.15	1.08	58.74
		2+75		
S			7.6	62.6
crb			9.0	
114			8.9	
+10			11.9	
M			12.2	58.0
114			11.7	
+10			12.5	
crb			11.5	
N			10.8	59.4

		70.15		
		3+0		
N			9.2	61.0
+6			9.1	
crb			10.9	
+1			11.5	
114			10.6	
M			10.9	59.3
+3			10.7	
+9			7.3	
114			7.1	
crb			7.3	
S			6.0	64.2
		3+25		
S			4.4	65.8
crb			6.3	
114			6.3	
+6			5.2	
~~#~~ M			9.7	60.5
114			9.6	
+11			10.1	
crb			9.3	
N			7.1	63.3
		3+50		
N			5.7	64.5
crb			8.4	
114			8.0	
M			8.2	62.0
+7			4.2	
114			4.8	
crb			6.1	
+9			5.7	
S			3.3	66.9

	70.15		
	3+75		
S		7.1	68.1
+ 5		6.2	
crb		6.4	
114		4.7	
+ 3		3.2	
+ 11		7.2	
M		7.2	63.0
114		7.0	
+ 9		7.0	
crb		5.8	
+ 11		5.7	
N		4.2	66.0
	4+0		
N		3.8	66.4
+ 3		4.8	
crb		5.2	
+ 3		6.3	
114		6.3	
M		6.8	63.4
+ 3		6.8	
+ 10		3.5	
114		4.2	
+ 6		6.2	
crb		6.2	
+ 6		5.9	
+ 11		1.2	
S		1.2	69.0
	4+25		
S		0.3	69.9
+ 2		0.8	
+ 3		5.5	
crb		6.8	
114		5.5	
+ 3		4.4	
+ 8		6.7	
M		6.4	63.8
114		6.2	
+		6.1	
crb		5.0	
+		4.6	
N		2.6	67.6

	70.15		
	4+50		
N		2.3	67.9
+ 3		4.5	
crb		5.1	
+ 2		6.4	
114		6.2	
M		6.7	63.5
+ 5		6.5	
+ 10		5.0	
114		5.4	
+ 4		7.3	
crb		6.2	
S		6.6	63.6
	4+75		
S		7.5	62.7
crb		7.2	
114		5.5	
+ 3		5.5	
+ 8		6.5	
M		6.7	63.5
114		6.2	
+ 11		6.3	
crb		5.6	
N		4.6	65.6
	5+0		
N		5.1	65.1
crb		6.2	
+ 2		6.9	
114		6.8	
M		7.4	62.8
+ 3		7.3	
+ 5		5.5	
114		5.9	
crb		7.6	
S		7.5	62.7

POSTED

	70.15		
	5+25		
S	5.3	64.9	
crb	7.5		
1/4	7.0		
+ 9	7.4		
M	8.3	61.9	
1/4	8.1		
crb	8.5		
+2	7.5		
N	7.6	62.6	
	5+50		
N	10.3	59.9	
crb	10.5		
+ 6	9.7		
1/4	9.3		
M	9.5	60.7	
1/4	8.9		
crb	9.9		
S	8.5	61.7	
	5+75		
S	13.3	56.9	
crb	13.6		
+ 9	11.8		
1/4	11.2		
M	10.4	59.8	
1/4	10.2		
+ 5	10.7		
+ 9	11.9		
crb	12.3		
N	11.0	59.2	

	70.15		
	6+0 = W.L. 32nd St.		
N	10.6	59.6	
crb	11.5		
+ 9	12.1		
+ 8	10.9		
1/4	10.8		
M	10.9	59.3	
+ 6	12.0		
+ 10	13.7		
1/4	13.9		
crb	14.5		
S	15.0	55.2	

POSTED

X-section 39th St Woolman to Sigel
39th St 60' Wide

Dunkle
Shane
Thomas

B.M. Plg N.W. Cor Woolman & 39th - 111.02 10/22/08

B.M.

N.L. Woolman

	2.48	113.50		111.02
W			2.5	111.0
crb			2.5	111.0
1/4			2.4	111.1
M			2.1	111.4
1/4			1.6	111.9
crb			1.3	112.2
E			1.8	111.7
		0+25 N		
E			1.7	111.8
crb			2.5	111.0
1/4			2.7	110.8
M			2.4	111.1
1/4			2.6	110.9
crb			2.6	110.9
W			2.5	111.0

POSTED

		113.50		
		0+50		
W			3.6	109.9
crb			3.6	109.9
1/4			4.0	109.5
M			3.8	109.7
1/4			4.1	109.4
crb			4.1	109.4
E			3.3	110.2
		0+75		
E			5.7	107.8
crb			5.8	107.7
1/4			4.5	108.7
M			4.6	108.9
1/4			4.6	108.9
crb			3.7	109.8
W			3.2	110.3
		1+0		
W			2.5	111.0
crb			3.3	110.2
+ 4			4.7	108.8
1/4			5.0	108.5
M			5.0	108.5
1/4			5.2	108.3
crb			7.1	106.4
E			7.7	105.8

POST

	113.50		
	1+25		
E		7.7	105.8
crb		7.1	106.4
1/4		6.3	107.2
M		6.2	107.3
1/4		5.9	107.6
+6 crb		5.6	107.9
W		3.5	110.0
		2.2	111.3
	1+50		
W		4.4	109.1
crb		5.5	108.0
+4		6.8	106.7
1/4		7.2	106.3
M		7.5	106.0
1/4		7.9	105.6
crb		9.0	104.5
E		9.0	104.5
	1+75		
E	POSTED	10.5	103.0
crb		10.3	103.2
1/4		9.4	104.1
M		9.1	104.4
1/4		9.1	104.4
+6 crb		8.5	105.0
		7.1	106.4
W		6.4	107.1

		113.50		
		2+0		
W			9.1	104.4
crb			9.7	103.8
1/4			10.6	102.9
M			11.1	102.4
1/4			11.2	102.3
crb			11.6	101.9
E			11.4	102.1
		2+25		
E			13.1	100.4
crb			12.9	100.6
1/4			12.2	101.3
M			12.4	101.1
1/4			POSTED	101.7
crb			11.2	102.3
W			10.5	103.0
		2+50		
W			11.9	101.6
crb			11.7	101.8
1/4			12.6	100.9
M			13.0	100.5
1/4			12.9	100.6
crb			13.3	100.2
E			13.4	100.1
T.B.	11.34	112.01	12.83	100.67

112.01

2+80 = S.L. Q ST 60 wide

E	12.4	99.6
crb	12.7	99.3
1/4	12.6	99.4
M	12.2	99.8
1/4	12.2	99.9
+8	12.8	99.2
crb	14.8	97.2
W	14.0	98.0

S. curb Q

W	14.4	97.6
crb	14.6	97.4
+2	13.1	98.9
1/4	12.2	99.8
M	12.3	99.7
1/4	12.9	99.1
crb	12.8	99.2
E	12.3	99.7

S 1/4

E	12.3	99.7
crb	12.6	99.4
1/4	13.0	99.0
M	12.3	99.7
1/4	12.4	99.6
+8	12.9	99.1
crb	14.8	97.2
W	14.8	97.2

112.01

center Q ST

W	15.1	96.9
crb	14.8	97.2
+4	12.9	99.1
1/4	12.3	99.7
M	12.3	99.7
1/4	12.6	99.4
crb	12.6	99.4
E	12.4	99.6

N 1/4

E	12.0	100.0
crb	12.3	99.7
1/4	12.0	100.0
M	12.2	99.8
1/4	12.5	99.5
+6	13.1	98.9
crb	15.2	96.8
W	16.2	95.8

N. curb

W	16.7	95.3
crb	15.2	96.8
+4	12.5	99.2
1/4	12.3	99.7
M	12.0	100.0
1/4	11.8	100.2
crb	11.7	100.3
E	11.1	101.0

112.01

N.L. Q 5+

E	10.6	101.4
crb	11.4	100.6
1/4	11.6	100.4
M	11.6	100.4
1/4	12.0	100.0
+6	12.9	99.1
crb	15.2	96.8
W	16.4	95.6

0+25 N

W	12.9	99.1
crb	11.7	100.3
1/4	10.4	101.6
M	10.2	101.8
1/4	10.5	101.5
crb	10.1	101.9
E	9.8	102.2

0+50

E	7.9	104.1
crb	8.0	104.0
1/4	8.2	103.8
M	8.5	103.5
1/4	8.3	103.7
crb	7.8	104.2
W	8.4	103.6

112.01

0+75

W	6.6	105.4
crb	6.3	105.7
1/4	6.7	105.3
M	7.1	104.9
1/4	7.0	105.0
crb	7.0	105.0
E	7.1	104.9

1+0

E	6.3	105.7
crb	6.3	105.7
1/4	6.5	105.5
M	6.1	105.9
1/4	5.[illegible]	106.9
crb	4.4	107.6
W	3.7	108.3

1+25

W	3.0	109.0
crb	3.6	108.4
1/4	4.4	107.6
M	5.1	106.9
1/4	5.6	106.4
crb	5.3	106.7
E	5.6	106.4

POSTED

112.01

1+50

E	4.5	107.5
crb	4.3	107.7
1/4	4.3	107.7
M	3.9	108.1
1/4	3.9	108.1
crb	3.2	108.8
W	2.8	109.2

1+75

W	3.2	108.8
crb	2.5	109.5
1/4	3.3	108.7
M	3.2	108.8
1/4	3.1	108.9
crb	3.2	108.8
E	3.3	108.7

2+0

E	2.7	109.3
crb	2.9	109.1
1/4	3.3	108.7
M	3.3	108.7
1/4	3.3	108.7
crb	4.7	107.3
W	7.7	104.3

112.01

2+25

W	10.5	101.5
crb	9.1	102.9
1/4	6.1	105.9
M	3.8	108.2
1/4	3.9	108.1
crb	3.5	108.5
E	2.6	109.4

2+50

E	3.1	108.9
crb	4.2	107.8
1/4	5.0	107.0
M	5.2	106.8
1/4	8.1	103.9
crb	10.6	101.4
W	11.1	100.9

POSTED

50' WIDE

2+75 = S.L. SUPERIOR ST.

W	11.1	100.9
crb	10.6	101.4
1/4	10.0	102.0
M	7.0	105.0
1/4	6.8	105.2
crb	5.5	106.5
+5	4.7	107.3
+83	3.4	108.6
E	3.0	109.0

112.01

S. curb.

E	3.0	109.0
+2	3.6	108.4
+5	6.1	105.9
crb	6.8	105.2
1/4	7.5	104.5
M	7.5	104.5
1/4	9.8	102.2
crb	10.5	101.5
W	11.6	100.4

S. 1/4

W	11.8	100.2
crb	10.3	101.7
1/4	9.8	102.2
M	8.0	104.0
1/4	7.9	104.1
crb	7.0	105.0
+3	6.7	105.3
E	3.7	108.3

Center

E	5.1	106.9
crb	7.7	104.3
1/4	8.4	103.6
M	8.4	103.6
1/4	9.8	102.2
crb	10.6	101.4
W	11.9	100.1

1120 N 1/4

W	11.9	100.1
crb	11.0	101.0
1/4	10.3	101.7
M	8.8	103.2
1/4	8.8	103.2
crb	8.1	103.9
E	6.3	105.7

N. curb

E	6.3	105.7
crb	8.6	103.4
1/4	9.1	102.9
M	9.2	102.8
1/4	10.5	101.5
crb	11.3	100.7
W	11.8	100.2

N.L. Superior St.

W	11.5	100.5
crb	11.1	100.9
1/4	10.6	101.4
M	9.7	102.3
1/4	9.5	102.5
crb	8.9	103.1
E	7.5	104.5

112.01

0+25

E	8.0	104.0
crb	9.3	102.7
1/4	9.7	102.3
M	9.8	102.2
1/4	10.0	102.0
crb	10.5	101.5
W	10.6	101.4

0+50

W	8.9	103.1
crb	8.4	103.6
1/4	8.9	103.1
M	9.2	102.8
1/4	9.3	102.7
crb	9.2	102.8
E	8.8	103.2

0+75

E	7.8	104.2
crb	8.0	104.0
1/4	7.7	104.3
M	7.0	105.0
1/4	6.3	105.7
crb	5.6	106.4
W	6.2	105.8

1+0

W	5.6	106.4
Curb	5.4	106.6
1/4	5.8	106.2
M	5.8	106.2
1/4	6.1	105.9
Curb	6.4	105.6
E	6.2	105.8

1+25

E	3.9	108.1
Curb	4.0	108.0
1/4	4.3	107.7
M	4.1	107.9
1/4	5.0	107.0
Curb	5.1	106.9
W	5.4	106.6

1+50

W	4.4	107.6
Curb	3.9	108.1
1/4	3.1	108.9
M	2.7	109.3
1/4	2.2	109.8
Curb	2.1	109.9
E	2.0	110.0

POSTED

		112.01			
		1+75			
	+ R	H. I.	− R	Elev	G.
E			1.0	111.0	
Curb			0.8	111.2	
1/4			0.5	111.5	
M			1.2	110.8	
1/4			1.6	110.4	
Curb			2.5	109.5	
W			3.0	109.0	
T. P.	10.94	122.13	0.82	111.19	
		2+0			
W			11.7	110.4	
Crb			11.5	110.6	
1/4			11.0	111.1	
M			11.1	111.0	
1/4			11.1	111.0	
Crb			12.0	110.1	
E.			12.2	109.9	
		2+25			
E			12.8	109.3	
Crb			12.6	109.5	
1/4			12.2	109.9	
M			11.0	111.1	
1/4			11.2	110.9	
Crb			12.1	110.0	
W			12.4	109.7	

10/23/08 Dunkle
Shaw
Thomas

		122.13		
		2+50		
W			10.2	111.9
Crb			10.5	111.8
1/4			10.8	111.3
M			10.5	111.6
1/4			11.6	110.5
Crb			12.1	110.0
E			12.0	110.1
	2+65 = S.L. Superba St 50' wide			
E			11.6	111.5
Crb			11.7	110.4
1/4			11.1	111.0
M			10.2	111.9
1/4			10.3	111.8
Crb			9.5	112.6
W			9.5	112.6
T. P.	8.96	122.15	8.94	113.19
		S. Corb		
W			8.8	113.3
Crb			9.4	112.7
1/4			10.1	112.0
M			10.2	111.9
1/4			11.1	111.0
Crb			11.6	110.5
E			11.6	110.5

122.15—

5 ¼

E	11.2	110.9
crb	11.4	110.7
¼	11.0	111.1
M	10.2	111.9
¼	10.2	111.9
crb	9.3	112.8
W	8.7	113.4

Center

W	8.6	113.5
crb	9.0	113.1
¼	10.0	112.1
M	10.0	112.1
¼	11.1	111.0
crb	11.1	111.0
E	11.0	111.1

N ¼

E	10.6	111.5
crb	10.9	111.2
¼	11.0	111.1
M	10.0	112.1
¼	9.8	112.3
crb	9.0	113.1
W	8.3	113.8

122.13—

N. Curb

W	8.3	113.9
crb	9.2	113.0
¼	9.7	112.4
M	9.8	112.4
¼	10.8	111.3
crb	10.6	111.5
E	10.3	111.9

N.L. Superba & St

E	9.7	112.5
crb	10.0	112.1
¼	10.4	111.7
M	9.7	112.5
¼	9.2	113.0
crb	9.3	112.9
W	8.0	114.2

0+25' N

W	8.0	114.2
crb	8.7	113.5
¼	8.5	113.7
M	8.6	113.6
¼	9.6	112.6
crb	9.6	112.6
E	9.0	113.2

	122.15		
	0+50		
E		8.4	113.8
Crb		8.2	114.0
1/4		7.8	114.4
M		7.5	114.7
1/4		7.5	114.7
Crb		7.6	114.6
W		7.0	115.2
	0+75		
W		5.4	116.8
Crb		6.3	115.9
1/4		6.4	115.8
M		6.0	116.2
1/4		6.4	115.8
Crb		6.9	115.3
E		7.4	114.8
	1+0		
E		6.5	115.7
Crb		6.0	116.2
1/4		5.3	116.9
M		4.9	117.3
1/4		5.1	117.1
Crb		4.7	117.5
W		4.0	118.2

	122.15	1+25		
W			3.1	119.1
Curb			4.2	118.0
1/4			4.4	117.8
M			4.6	117.6
1/4			4.5	117.7
Curb			4.9	117.3
E			5.0	117.2
		1+50		
E			4.0	118.2
Curb			3.6	118.6
1/4			4.1	118.1
M			3.9	118.3
1/4			4.3	117.9
Curb			4.0	118.2
W			3.1	119.1
		1+75		
W			3.0	119.2
Curb			3.6	118.6
1/4			3.9	118.3
M			3.7	118.5
1/4			3.6	118.6
Curb			4.2	118.0
E			4.6	117.6

	122.15		
	2+0		
E		5.0	117.2
Curb		4.7	117.5
1/4		3.6	118.6
M		3.8	118.4
1/4		3.8	118.4
Curb		3.7	118.5
W		3.3	118.9
	2+25		
W		2.8	119.4
Curb		3.2	119.0
1/4		3.5	118.7
M		3.4	118.8
1/4		3.4	118.8
Curb		4.2	118.0
E		4.2	118.0
	2+47.4 = S. line Sigel St.		
E		4.6	117.6
Curb		4.2	118.0
1/4		4.0	118.2
M		3.8	118.4
1/4		4.0	118.2
Curb		4.2	118.0
W		4.0	118.2

Note — Main entrance to Cemetery is 240' West of 39th St.

POSTED

Levels in center of 38th St Duluth
Woolman to Sigel, Levels 10/23/08 Shaw
Taken every 25'. Thomas

B.M. Plg N.W. Cor 38th & Woolman 79.56

B.M.	1.33	80.89		79.56
0+0 = N.L. Woolman			0.5	80.4
0+25			3.8	77.1
0+50			6.7	74.2
0+75			8.2	72.7
1+0			7.6	73.3
1+25			10.3	70.6
1+50			7.3	73.6
1+75			6.0	74.9
2+0			8.9	72.0
2+25			12.7	68.2
2+50			12.8	68.1
2+75			14.2	66.7
3+0			9.6	71.3
3+25			6.4	74.5
3+50			3.6	77.3
3+75			0.8	80.1
T.P.	11.47	91.62	0.74	80.15
4+0			9.9	81.7
4+25			7.1	84.5
4+50			5.3	86.3
4+75			3.0	88.6
5+0			0.4	91.2
T.P.	11.01	102.35	0.28	91.34

POSTED

		102.35		
5+25			8.7	93.7
5+50			5.4	97.0
5+75			2.8	99.6
6+0			0.9	101.5
T.P.	8.96	110.63	0.68	101.67
6+25			8.6	102.0
6+50			7.6	103.0
6+75			6.8	103.8
7+0			6.3	104.3
7+25			7.8	102.8
7+50			9.9	100.7
7+75			12.0	98.6
8+0			12.8	97.8
8+25			12.1	98.5
8+50			12.7	97.9
8+75			14.3	96.3
9+0			12.1	98.5
9+25			18.0	92.6
9+50			13.8	96.8
9+75			13.5	97.1
10+0			12.8	97.8
10+25			12.0	98.6
10+50			10.4	100.2

POSTED

110.63

10+75	10.1	100.5
11+0	9.4	101.2
11+25	9.0	101.6
11+50	10.3	100.3
11+75	11.6	99.0
12+0	14.1	96.5
12+31=S.L. Sigel	15.3	95.3

Plotted

POSTED

POSTED

Superior Street 50' street

		H.I.		
T.P.	1.98	113.00	111.02	B.M. N.W. cor 39th
		W. line 39th		
So. line			12.1	100.9
			12.4	100.6
			12.7	100.3
C			12.8	100.2
			12.7	100.3
			12.9	100.1
N line			12.4	100.6
		~~45'~~ west		
N line			12.9	100.1
			13.6	99.4
			14.5	98.5
C			14.9	98.1
			13.8	99.2
			14.0	99.0
So line			12.9	100.1
		N 1° W.		
So line			16.4	96.6
			16.1	96.9
			14.1	98.9
C			12.9	100.1
			12.8	100.2
			12.5	100.5
N line			12.4	100.6

Oct. 26/08 113.00 {Schields Barber Rogers

4 Woodman.	25' West		
N. line		11.4	101.6
		11.2	101.8
		11.2	101.8
C		11.8	101.2
		12.2	100.8
		12.6	100.4
So. line		13.1	100.9
	50' W.		
So. line		10.4	102.6
		10.1	102.9
		10.0	103.0
C		9.8	103.2
		9.8	103.2
		9.5	103.5
N line		9.5	103.5
	75' W		
N line		3.9	109.1
		3.5	109.5
		3.3	109.7
C		2.6	110.4
		2.6	110.4
		3.1	109.9
So. line		3.9	109.1

POSTED

		H.I.		
JB.	7.45	119.51	0.94	112.06
		100' W		
So.line			8.2	111.3
			7.6	111.9
			7.2	112.3
C			6.9	112.6
			6.9	112.6
			6.6	112.9
N.line			6.4	113.1
		125' W		
N.line			5.3	114.2
			5.7	113.8
			5.9	113.6
C			6.3	113.2
			6.7	112.8
			7.3	112.2
So.line			8.0	111.5
		150' W		
So.line			8.2	111.3
			7.1	112.4
			6.2	113.3
C			5.5	114.0
			5.1	114.4
			4.6	114.9
N.line			3.9	115.6

		119.51	
		175' W	
N.line		2.3	117.2
		2.9	116.6
		3.5	116.0
C		4.1	115.4
		4.8	114.7
		5.7	113.8
So.line		6.9	112.6
	200' W		
So.line		5.2	114.3
		4.1	115.4
		3.3	116.2
C		2.3	117.2
		1.8	117.7
		1.2	118.3
N.line		1.0	118.5
	225' W		
N.line		1.6	117.9
		2.0	117.5
		2.3	117.2
C		2.7	116.8
		3.4	116.1
		4.2	115.3
So.line		5.1	114.4

POSTED

119.51

250' W

s.line	5.4	114.1
	5.2	114.3
	4.7	114.8
c	4.4	115.1
	4.0	115.5
	3.8	115.7
n. line	3.6	115.9

275' W

n line	5.5	114.0
	5.9	113.6
	6.3	113.2
c	6.9	112.6
	7.3	112.2
	7.8	111.7
s.line	8.1	111.4

300' W.

s.line	9.3	110.2
	9.3	110.2
	9.3	110.2
c	9.0	110.5
	8.7	110.8
	8.4	111.1
n line	8.0	111.5

119.51

325' W

n line	8.1	111.4
	8.6	110.9
	9.2	110.3
c	9.7	109.8
	10.2	109.3
	10.7	108.8
s.line	11.0	108.5

350' W

s.line	10.6	108.9
	9.3	110.2
	8.5	111.0
c	7.7	111.8
	7.1	112.4
	6.9	112.6
n.line	6.7	112.8

375' W

n.line	5.5	114.0
	5.7	113.8
	5.8	113.7
c	6.0	113.5
	6.3	113.2
	6.7	112.8
s.line	7.6	111.9

POSTED

119.51

400' W

So. line	6.6	112.9
	5.6	113.9
	5.7	113.8
C	5.4	114.1
	5.1	114.4
	5.0	114.4
N. line	4.7	114.8

425' W

N. line	4.8	114.7
	4.9	114.6
	5.1	114.4
C	5.2	114.3
	5.3	114.2
	5.5	114.0
So. line	6.1	113.4

450' W

So. line	6.3	113.2
	5.8	113.7
	5.5	114.0
C	5.4	114.1
	5.4	114.1
	5.2	114.3
N. line	5.1	114.4

119.51

475' W

N. line	5.9	113.6
	5.9	113.6
	6.0	113.5
C	6.2	113.3 x
	6.5	113.0
	6.6	112.9
So. line	6.9	112.6

500' W

So. line	8.3	111.2
	7.8	111.7
	7.6	111.9
C	7.3	112.2
	6.9	112.6
	6.5	113.0
N. line	7.0	112.0

525' W

N. line	8.4	111.1
	8.7	110.8
	8.8	110.7
C	9.0	110.5
	9.5	110.0
	10.0	109.5
So. line	10.9	108.6

POSTED

119.51

550' W

So line			13.2	106.3
			12.3	107.2
			11.7	107.8
C			11.4	108.1
			10.9	108.6
			10.6	108.9
N line			10.1	109.4
T.P.	1.98	H.I. 108.45	13.04	106.47

~~N line~~ 575' W

N line			0.4	108.1
			1.0	107.5
			1.4	107.1
C			1.9	106.6
			2.2	106.3
			2.8	105.7
So line			3.4	105.1

600' W. East line 38th

So line			4.6	103.9
			4.2	104.3
			3.6	104.9
C			3.7	104.8
			3.4	105.1
			2.9	105.6
N line			2.8	105.7

POSTED

X Sect. 38th So. line

Superior Sts. to Siegel Street 60' street

135' So. Superior.

T.P.	0.57	H.I. 100.58	8.44	100.01
E line			9.2	91.4
			10.3	
			11.0	
C			11.3	89.3
			10.9	
			10.1	
W line			9.7	90.9

125' So. (no. line alley)

W line			8.9	91.7
			9.6	
			10.3	
C			10.2	90.4
			9.9	
			9.3	
E line			8.6	92.0

100' So.

E line			6.1	94.5
			6.6	
			7.5	
C			8.1	92.5
			8.2	
			8.3	
W line			8.5	92.1

POSTED

100.58

75' So.

w line			6.9	93.7
			6.1	
			5.4	
C			4.7	95.9
			4.4	
			4.2	
E line			4.0	96.6
		50' So		
T.P.	19.8	H.I. 108.45	13.04	106.47
E line			8.9	99.6
			9.2	
			9.4	
C			9.9	98.6
			10.7	
			11.5	
w line			12.3	96.2
		25' So.		
w line			10.5	98.0
			10.0	
			9.0	
C			7.9	100.6
			7.3	
			6.8	
E line			6.5	102.0

108.45

So. line Superior Street

E line		4.6	103.9
		4.9	
		5.7	
C		6.5	102.0
		7.5	
		8.6	
w line		9.7	98.8
	So. cb		
w line		9.2	99.3
		8.3	
		7.5	
C		6.4	102.1
		5.4	
		4.7	
E line		4.2	104.4
	So 1/4		
E line		3.6	104.9
		4.6	
		5.2	
C		6.3	
		7.3	POSTED 102.2
		8.3	
w line		8.6	99.9

108.45

Center

W line	8.9	99.6
	7.8	
	6.8	
C	6.1	102.4
	5.4	
	4.4	
E line	3.7	104.8
no 1/4		
E line	3.4	105.1
	4.1	
	5.0	
C	5.6	102.9
	6.6	
	7.6	
W. line	8.3	100.2
no. cb.		
W line	7.7	100.8
	6.8	
	6.2	
C	5.5	103.0
	4.7	
	3.9	
E line	2.9	105.6

108.45

No line Superior Street

E line	2.8	105.7
	3.7	
	4.4	
C	5.1	103.4
	6.0	
	6.3	
W line	6.8	101.7
25' no.		
W line	5.1	103.4
	4.7	
	4.4	
C	4.0	104.5
	3.7	
	2.9	
E line	2.3	106.2
50' N.		
E line	3.3	105.2
	4.0	
	4.6	
C	4.7	103.8
	5.0	
	5.1	
W line	5.5	103.0

POSTED

108.45

75' no.

W line	8.9	99.6
	8.1	
	7.6	
C	7.0	101.5
	6.6	
	5.9	
E line	4.9	103.6

100' no.

E line	5.5	103.0
	7.3	
	8.3	
C	9.1	99.4
	9.8	
	10.8	
W line	11.4	97.1

125' no. (no. line alley)

W line	13.2	95.3
	12.5	
	11.6	
C	10.5	98.0
	9.5	
	7.7	
E line	6.1	102.4

108.45

140' no. (no. line alley)

E line	6.4	102.10
	7.6	
	8.8	
C	10.4	98.10
	11.7	
	12.7	
W line	13.5	95.0

J.S.	002	H.I. 102.32	6.15	102.30

165' no.

W line	9.0	93.3
	6.4	
	5.3	
C	3.7	98.6
	2.4	
	1.3	
E line	0.4	101.9

190' no.

E line	1.3	101.0
	2.1	
	2.8	
C	4.6	97.7
	7.1	
	8.9	
W line	10.8	91.5

POSTED

102,32

215' no.

w line	11.8	90.50
	10.5	
	8.8	
c	7.3	96.0
	5.2	
	4.2	
E line	3.7	98.6

240' no

E line	6.5	95.8
	7.9	
	9.1	
c	10.2	92.1
	11.5	
	12.2	
w line	12.7	89.6

50' strat 265' no (So. line Superba)

w line	9.9	92.4
	9.2	93.1
	8.8	93.5
c	8.5	93.8
	9.0	
	9.4	
E line	8.7	93.6

So. cb.

E line	8.4	93.9
	8.7	
	7.6	
c	7.0	95.3
	6.9	
	7.7	
W line	8.7	93.6

So 1/4

W line	7.2	95.1
	6.2	
	6.1	
c	5.4	96.9
	6.3	
	7.2	
E line	7.2	95.1

center

E line	6.2	96.1
	6.3	
	5.5	
c	5.0	97.3
	4.9	
	6.0	
W line	6.5	95.8

POSTED

102.3

no 1/4

wline	6.5	95.8	
	5.7		
	4.4		
c	4.5	97.8	
	5.0		
	5.4		
Eline	5.0	97.3	
no. eb			
Eline	3.5	98.8	
	3.9		
	4.6		
c	5.0	97.3	
	4.9		
	6.3		
wline	6.7	95.6	
no. line superba			
wline	7.1	95.2	
	6.6		
	5.3		
c	4.7	97.6	
	3.9		
	3.1		
Eline	2.3	100.0	
Gas. pipe N.E. cor superba +38		100.31	B.M.

102.32

25' no.

Eline	0.9	101.4	
	2.3	100.0	
	3.5		
c	4.2	98.1	
	7.0		
	7.0		
wline	6.9	95.4	
50' no.			
wline	7.4	94.9	
	6.5		
	4.9		
c	3.2	99.1	
	1.9		
	0.2		
J.P. 4.85	H.I. 106.79	0.38	101.94
Eline		3.9	102.9
75' no.			
Eline	1.8	105.0	
	3.3		
	5.2		
c	6.0	100.8	
	8.6		
	10.1		
wline	10.5	96.3	

POSTED

106.8

100' no.

W line	9.5	97.3
	8.7	
	7.5	
C	6.1	100.7
	4.1	102.7
	2.2	
E line	0.7	106.1

125' no. (so line alley)

E line	1.3	105.5
	2.9	
	4.6	
C	6.0	100.8
	7.2	
	7.8	
W line	8.7	98.1

140' no. (no. line alley)

W line	7.4	99.4
	6.7	
	5.9	
C	5.3	101.5
	4.5	
	3.5	
E line	2.6	104.2

165' no.

E line	3.5	103.3
	4.3	
	5.5	
C	6.1	100.7
	6.7	
	6.7	
W line	7.0	99.8

190' no.

W line	8.3	98.5
	8.6	
	7.9	
C	6.7	100.1
	5.6	
	5.2	
E line	5.3	101.5

215' no.

E line	7.3	99.5
	8.6	
	9.3	
C	10.1	96.7
	9.9	
	9.6	
W line	9.5	97.3

POSTED

106.8

Σ 40' no.

W line	10.6	96.2
	10.7	
	11.2	
C	11.4	95.4
	11.7	
	11.7	
E line	11.3	95.5

So. line Siegel 257.2 no. on East
& 251.6 no. at West line 38th.

E line	40' street	12.1	94.7
		12.1	
		12.2	
C		11.5	95.3
		11.0	
		10.8	
W line		10.6	96.2

5' no. of So. line Siegel

W. line	10.6	96.2
	10.7	
	10.7	
C	10.7	96.1
	10.7	
	10.6	
E. line	10.5	96.3

106.79

So. ch

E line	10.6	96.2
	10.7	
	10.7	
C	10.7	96.1
	10.7	
	10.6	
W line	10.7	96.1

So 1/4

W line	10.8	96.0
	10.8	
	10.8	
C	10.7	96.1
	10.6	
	10.6	
E line	10.5	96.3

Center

E line	10.3	96.5
	10.6	
	10.6	
C	10.7	POSTED
	10.7	
	10.8	
W line	10.8	96.0

10679 Siegel 40' wide

no. 4

W line	10.8	96.0
	10.9	
	11.1	
C	11.2	95.6
	11.2	
	11.4	
E line	11.1	95.7

no. 6.

E line	13.3	93.5
	13.2	
	13.4	
C	13.2	93.6
	13.0	
	12.6	
W line	11.7	95.1

no. line Siegel.

W. line	12.5	94.3
	12.8	
	13.3	
C	14.0	92.8
	14.0	
	14.0	
E line	cemetery fence line 13.6	93.2

POSTED

X sect. Siegel. 38th to 39th

	7.35	H.I. 107.66		100.31 B.N.1.
	E line 38th			
So. line +5'			13.0	94.7
			11.4	96.3
			11.5	96.2
			11.4	96.3
c			11.2	96.5
			12.0	95.7
			14.2	93.5
N. line			14.5	93.2
		25' E		
N line			15.0	92.7
			13.9	
			11.9	
c			10.7	97.0
			10.9	96.8
			10.7	
CG +5'			10.8	
So line			12.1	95.6
		50' E		
So. line			10.5	97.2
			10.1	
			10.2	
c			10.3	97.4
			11.4	
			13.4	
N line			14.4	93.3

POSTED

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68

	75' E		
N line	107.66	14.0	93.7
		13.2	
		10.1	
c		9.6	98.1
		9.7	
		9.4	
So line		9.7	98.0
	100' E		
So line		8.7	99.0
		8.6	
		8.6	
c		8.8	98.9
		9.2	
		11.5	
N line		13.0	94.7
	125' E		
N line		11.5	96.2
		10.5	
		8.1	
c		7.8	99.9
		7.9	
		7.7	
So line		8.0	99.7

POSTED

	150' E		
So line	107.66	7.4	100.3
		7.2	
		7.2	
C		7.2	100.5
		8.0	
		9.4	
N line		10.2	97.5
	175' E		
		9	
N. line		9.6	98.1
		8.8	
		6.8	
C		6.4	101.3
		6.4	
		6.3	
So line		5.1	102.6
	200' E		
So line		4.5	103.2
		5.6	
		5.6	
C		5.6	102.1
		6.2	
		7.6	
N. line		8.4	99.3

107.66

	225' E		
N line	107.66	6.9	100.8
		6.2	
		4.4	
C		4.5	103.2
		4.5	
		4.2	
So line		3.8	103.9
	250' E		
So line		2.2	105.5
		2.9	
		3.3	
C		3.0	104.7
		2.8	
		3.1	
N line		4.5	103.2
	275' E		
N line		2.0	105.7
		1.2	
		1.5	
C		1.4	106.3
		1.5	
		0.9	
So line	H.I.	0.4	107.8
T.P.	1302 120.37	0.31	107.35

POSTED

120.37

300' E

so line	11.6	108.8
	12.0	
	12.3	
℄	12.1	108.3
	12.2	
	12.6	
n line	12.2	108.2

325' E

n. line	10.9	109.5
	10.8	
	10.7	
℄	10.5	109.9
	10.5	
	10.5	
so line	10.3	110.1

350' E

so line +2'	7.9	112.5
℄	9.4	
	9.0	
	9.2	
℄	9.3	111.1
	9.5	
	9.2	
n line	7.9	
	6.9	113.5

375' E

n line	120.37	4.6	115.8
		5.9	
		8.6	
℄		8.1	112.3
		8.1	
		7.8	
+7'		7.7	
so line		6.3	114.1

400' E

so. line	5.8	114.6
	6.7	
	6.9	
℄	6.8	113.6
	6.8	
+2'	5.1	
	3.8	
n line	3.4	117.0

425' E

n line +5'	2.2	118.2
	3.0	
	4.3	
+3'	5.8	
	5.8	
℄	5.6	114.8
	5.6	
	5.4	
+7'	5.5	
so line	4.2	116.2

POSTED

	450' E		
so line +3'		3.5	116.9
		4.5	
		4.8	
		4.8	
c		4.9	115.5
		5.0	
+3'		5.2	
		4.2	
n line		1.7	118.7
	475' E		
n line +6'		1.3	119.1
		2.4	
		4.5	
		4.4	
c		4.3	116.1
		4.4	
		4.3	
+6'		4.3	
so line		3.3	117.1
	500' E		
so line +4'		2.9	117.5
		3.3	
		3.4	
		3.4	
c		3.5	116.9
		3.5	
		3.6	
n line		0.9	119.5

	525' E		
n line	120.37	0.3	120.1
		3.0	
		2.7	
c		2.8	117.6
		3.0	
		2.9	
+6'		3.1	
so line		2.2	118.2
	550' E		
		+	
so line +4'		1.0	119.4
		2.4	
		2.4	
		2.3	
c		2.3	118.1
		2.3	
		2.1	
n line		0.3	120.1
	575' E		
n line		0.3	120.1
		2.1	
		2.3	
c		2.3	118.1
		2.4	
		2.5	
		2.3	
+6' so line		0.9	119.5

POSTED
POSTED

130.37

600' E West line 39th

so. line	1.4	119.0
	2.5	117.9
	2.3	118.1
	2.2	118.2
	2.3	118.1
	2.3	118.1
n. line	0.2	130.2

Platted W.R.B.

POSTED

POSTED

X. Sect. Superba St. 38th to 39th

	10.83	H.I. 101.14		100.31	B.M.1
		E line 38th			
N line			11.1	100.0	
			12.3	98.8	
			13.8	97.3	
C			15.0	96.1	
			16.0	95.1	
			17.2	93.9	
So line			17.5	93.6	
		25' E			
So line			13.7	97.4	
			14.7	96.4	
			14.1	97.0	
C			13.1	98.0	
			12.1	99.0	
			10.6	100.5	
N. line			9.1	102.0	
		50' E			
N line			7.3	103.8	
			8.6	102.5	
			9.2	101.9	
C			10.0	101.1	
			10.8	100.3	
			11.1	100.0	
So. line			9.6	101.5	

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	75' E		
So line	111.14	6.1	105.0
		7.9	103.2
C		7.8	103.3
C		7.3	103.8
		6.8	104.3
		6.5	104.6
N line		5.4	105.7
	100' E		
N line		4.1	107.0
		4.6	106.5
		5.6	105.5
C		6.0	105.1
		5.9	105.2
		5.9	105.2
So line		4.9	106.2
	125' E		
So. line		3.5	107.6
		3.6	107.5
		4.2	106.9
C		4.0	107.1
		3.9	107.2
		3.7	107.4
N line		2.2	108.9

POSTED

116.14

150' E

N. line			0.6	110.5
			1.5	109.6
			2.1	109.0
C			2.2	108.9
			2.6	108.5
			2.8	108.3
S. line			2.5	108.6
F.P.	10.27	H.I. 120.48 175' E	0.93	110.21
S. line			9.7	110.8
			9.8	110.7
			10.1	110.4
C			10.3	110.2
			9.7	110.8
			9.4	111.1
N. line			9.3	111.2

200' E

N. line			8.2	112.3
			8.4	112.1
			8.7	111.8
C			8.9	111.6
			8.4	112.1
			8.6	111.9
S. line			8.0	112.5

120.48

225' E

S. line			5.7	114.8
			6.0	114.5
			7.2	113.3
C			7.1	113.4
			6.3	114.2
			6.6	113.9
N. line			7.1	113.4

250' E

N. line			6.8	113.7
			5.3	115.2
			4.6	115.9
C			4.7	115.8
			5.4	115.1
			5.3	115.2
S. line			4.9	115.6

275' E

S. line			4.7	115.8
			5.1	115.4
			5.2	115.3
C			5.2	115.3
			5.5	115.0
			5.6	114.9
N. line			5.8	114.7

POSTED

	300' E		
N line		5.4	115.1
		5.3	115.2
		5.3	115.2
c		4.8	115.7
		4.9	115.6
		4.8	115.7
so line		3.6	116.9
	325' E		
so line		3.3	117.2
		4.2	116.3
		4.3	116.2
c		4.2	116.3
		4.2	116.3
		4.1	116.4
N line		4.1	116.4
	350' E		
N line		3.6	116.9
		3.6	116.9
		3.0	117.5
c		2.8	117.7
		3.6	116.9
		3.4	117.1
so line		2.6	117.9

120.48

	375' E		
so line		2.4	118.1
		2.7	117.8
		3.5	117.0
c		3.1	117.4
		2.8	117.7
		3.2	117.3
N line		3.2	117.3
	400' E		
N line		2.8	117.7
		2.9	117.6
		3.0	117.5
c		2.7	117.8
		3.1	117.4
		3.2	117.3
so line		2.6	117.9
	425 E		
so line		3.4	117.1
		3.4	117.1
		3.4	117.1
c		3.2	117.3
		3.1	117.4
		3.0	117.5
N line		3.0	117.5

POSTED

	450' E		
n.line		2.1	118.4
		2.9	117.6
		3.4	117.1
c		3.7	116.8
		3.9	116.6
		3.9	116.6
s.line		4.2	116.3
	475' E		
s.line		4.6	115.9
		4.7	115.8
		4.6	115.9
c		3.9	116.6
		3.5	117.0
		3.1	117.4
n.line		3.0	117.5
	500' E		
n.line		5.5	115.0
		5.5	115.0
		5.6	114.9
c		5.5	115.0
		5.7	114.8
		5.6	114.9
s.line		6.1	114.4

	525' E		
s.line		7.4	113.1
		7.4	113.1
		7.3	113.2
c		7.1	113.4
		6.6	113.9
		6.7	113.8
n.line		6.6	113.9
	550' E		
		6.8	
n.line		6.8	113.7
		7.0	113.5
		7.4	113.1
c		7.5	113.0
		7.8	112.7
		8.1	112.4
s.line		8.2	112.3
	575' E		
s.line		8.2	112.3
cb		8.0	112.5
		7.7	112.8
c		7.0	113.5
		6.3	114.2
		5.9	114.6
n.line		5.4	115.1

POSTED

150,48

600' E west line 39th

N line	6.4	114.1
	6.6	113.9
	6.6	113.9
C	7.0	113.5
	7.0	113.5
	7.1	113.4
So. line	7.8	112.7

see pages 78 + 79

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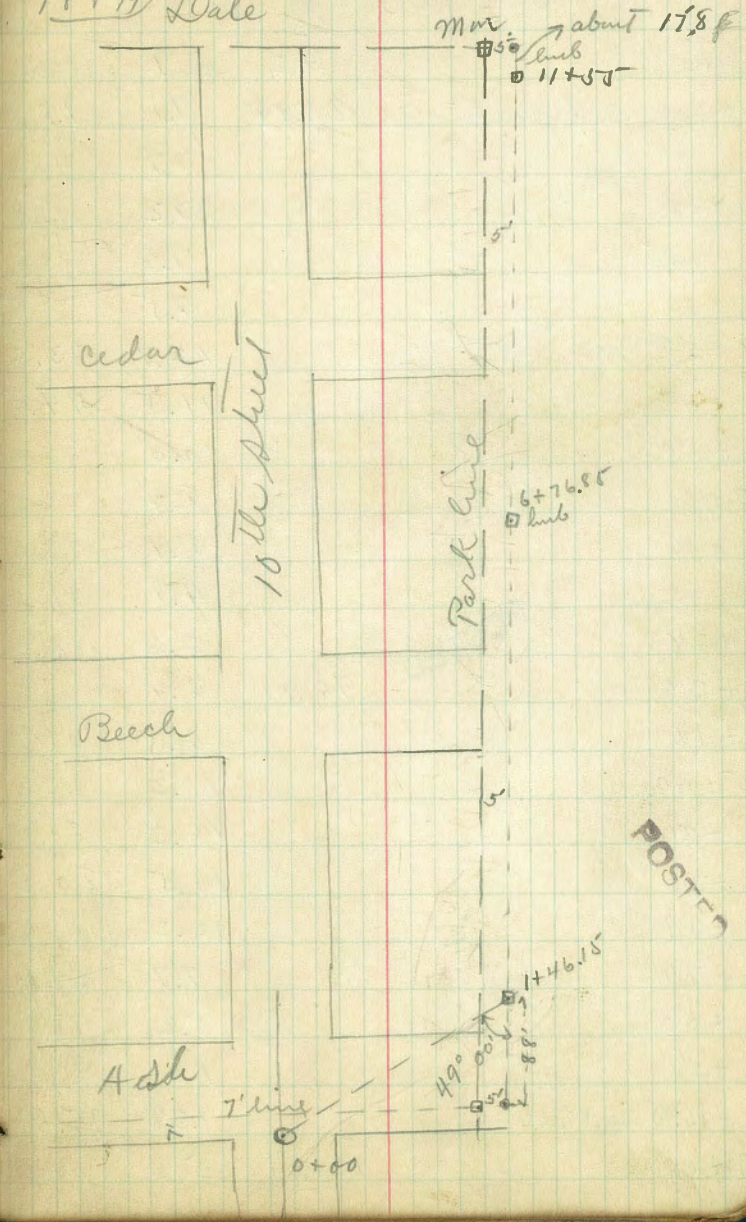
Date



POSTED

Sewer levels in City Park
Just east of 10th

Jan 29/09 { Childs, Barber, Rogers

Sta		H.I.	Rod	Elev.	Grade
0+00	M.H. Constructed	85.99	7.1	78.9	73.00
		86.0			
+50			7.7	78.3	
1+00			7.2	78.8	
+46.15			7.6	78.4	
+50			7.5	78.5	
1+88	M.H.		12.7	73.3	
2+00			11.5	74.5	
+50			10.0	76.0	
3+00			8.7	77.3	
+50			6.9	79.1	
4+00			4.9	81.1	
+24			2.6	83.4	
+36		96.97	6.4	90.6	
		97.0			
+50			6.5	90.5	
5+00			11.2	85.8	
+26			16.3	80.7	
+50			16.5	80.5	
+59			12.2	84.8	
+74			7.7	89.3	
6+00			5.2	91.8	
+50			1.8	95.2	
+76.85	Hub on line		1.38	95.59	
7+00		101.84	5.2	96.6	

BM. 82.96 – N.W. 10th & Ash brass plug

J.P.

POSTED

same as page 78

Jan 29/09 { J. Childs, Barber, Rogers

Sta.	H.I.	Rod	Elev	Grade.
7+50	101.84	3.4	98.4	
8+00		6.0	95.8	
+50		3.9	97.9	
9+00		7.6	94.2	
+50		8.2	93.6	
10+00		7.8	94.0	
+50		6.5	95.3	
11+00		5.5	96.3	
+50		5.5	96.3	
+55		5.6	96.2	

POSTED

111.02
1.89
112.91
12.48
100.43
0.08
100.51
12.90
87.61
1.95
89.56
10.07
79.49

111.02
2.76
113.78
.60
113.18

113.19
8.13
121.32
10.49
110.83

F.J. = 94

320 MLH
280

600 = g = {88.00 drofman / 80.84

1½%

g = 74.46 1%

g = 73

14
20
280

92.08
5.05
87.03

87.07

1155
600
555
146.15
408.85

58.74
9.95
68.69
63.20
5.49

280
60
275
50
265
50
247.4
1227.4

122.15
12.87
109.28 B.M.

110.63
4.32
106.31
6.35
112.66
1.80
110.86

~~2180~~
60

280
60
275
50
265
50
247.4
1227.4
4.0
1231.4

251.4
247.4
4.0

109.28
110.86
1.58

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	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	130⅓
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.

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