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F.B. 120

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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	19.06	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.73	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	96.01	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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5/10/02 { Crowell Davis

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Levels for Pipe Line Old Town to N. line Military Reservation

Sta.	+	−	D.H.	Rod	Elev.	Sta.	+	−	D.H.	Rod	Elev.
	3.55		7.99		4.44 = B.M.	0	4.50	5.78	6.71		2.21
−10				4.16	3.83	+50				5.15	1.56
+50				4.5	3.49	−2				4.78	1.93
−9				4.98	3.01	+50				4.60	2.11
+50				4.9	3.09	−1				4.80	1.91
−8				5.15	2.84	+50				5.22	1.49
+50				5.40	2.59	0				5.25	1.46
−7				5.75	2.24	+50				5.30	1.41
+50				5.40	2.59	1				7.05	−.34
−6				5.60	2.39	+30				2.07	4.64
+50				5.75	2.24	+50				5.28	1.43
−5				6.10	1.89	2				5.88	.83
+50				5.70	2.29	+50				5.74	.97
−4				5.65	2.34	3				5.75	.96
+50				5.65	2.34	+50				5.92	.79
−3				5.80	2.19	4				5.80	.91

Sta.	+	−	H.I.	Rod	Elev.
+50			6.71	5.90	.81
5				6.20	.51
+50				6.30	.41
6				6.35	.36
+50				6.25	.46
7				6.25	.46
0	4.00	6.25	4.46		0.46
+50				3.98	.48
8				4.25	.21
+50				4.05	.41
9				4.50	− .04
+50				4.58	− .17
10				4.65	− .19
+50				4.75	− .29
11				4.62	− .16
+50				4.78	− .32
12				4.58	− .12

Sta.	+	−	H.I.	Rod	Elev.
+50			4.46	4.92	− .46
13				5.12	− .66
+50				5.10	− .64
14				5.12	− .66
+50				5.08	− .62
15				5.15	− .69
+50				5.05	− .59
16				4.85	− .39
+50				5.20	− .74
0	4.05	5.20	3.31		− 0.74
17				4.20	− .89
+50				4.30	− .99
18				4.30	− .99
+50				4.28	− .97
19				4.30	− .99
+50				4.56	− 1.25
20				4.70	− 1.39

Sta.	+	−	H.I.	Rod	Elev
+50			3.31	4.71	− 1.40
B.M.		~~3.71~~	3.71		−0.40
21				4.86	− 1.15
+50				4.85	− 1.14
22				4.88	− 1.17
+50				4.85	− 1.14
23				5.02	− 2.71
+50				4.96	− 1.24
24				4.33	− .62
~~0~~	11.51	0.58	14.24		2.73
+50				8.20	6.04
25				4.50	9.74
+50				3.38	10.86
26				2.65	11.59
+50				0.37	13.87
~~0~~	10.92	0.37	24.79		13.87
27				9.30	15.49

Sta.	+	−	H.I.	Rod	Elev.
+50			24.79	8.50	16.29
28				9.14	15.65
+50				11.70	13.09
29				10.78	14.01
+50				5.90	18.89
30				3.32	21.47
+50				0.91	23.88
~~0~~	9.68	.0.91	33.56		23.88
31				7.90	25.66
+50				6.55	27.01
32				6.08	26.44
+50				5.50	28.06
33				4.30	29.26
+50				3.72	29.84
34				2.89	30.67
+37.4	out-				
+50				2.95	30.61

Sta.	+	−	H.I.	Rod	Elev.
35			33.56	2.62	30.94
+50				2.20	31.36
36				1.31	32.25
~~0~~	9.95	1.31	42.20		32.25
+50				9.65	32.55
37				9.18	33.02
+50				8.40	33.80
38				5.80	36.40
+50				4.12	38.08
39				1.80	40.40
~~0~~	10.30	1.80	50.70		40.40
+50				7.82	42.88
40				6.50	44.20
+50				5.68	45.02
41				3.71	46.99
+50				2.40	48.30
42				4.02	46.68

Sta.	+	−	H.I.	Rod	Elev.
+50				10.79	39.91
0	3.69	10.92	43.47		39.78
43				11.70	31.77
+50				11.92	31.55
44				3.20	40.27
~~0~~	11.85	1.09	~~54.23~~ ~~42.38~~		42.38
+50				9.60	44.78
45				7.53	46.70
+50				4.28	49.95
~~0~~	11.62	0.48	65.37		53.75
46				7.74	57.63
+50				4.53	60.84
47				1.94	63.43
~~0~~	7.77	1.93	71.21		63.44
+50				5.12	66.09
48 B.M.				4.22	66.99
+50				3.92	67.29

Sta.	+	−	B.H.	Rod	Elev.
49				5.38	65.83
+50				8.35	62.86
50				11.61	59.60
⊕	2.17	11.61	61.77		59.60
+50				4.62	57.15
51				6.66	55.11
+50				12.20	49.57
⊕	2.14	11.67	52.24		50.10
52				11.78	40.46
+50				8.81	43.43
53				8.12	44.12
+50				6.75	45.49
54				4.89	47.35
+50				4.20	48.04
55				4.40	47.84
+50				4.38	47.86
56				3.22	49.02

Sta.	+	−	B.H.	Rod	Elev.
+50			52.74	1.38	50.86
57				1.78	50.96
+50				7.80	49.44
58				3.12	49.12
+50				1.50	50.74
⊕	5.00	1.79	53.95		50.95
59				2.45	53.30
+50				0.82	54.98
60				3.12	52.63
+50				8.71	47.04
⊕	0.62	11.72	44.65		44.03
61				2.82	41.83
+50				10.08	34.63
62				14.70	29.95
+50				4.73	39.92
63				0.15	44.50
⊕	1.89	0.15	46.39		44.50

Sta.	+	−	H.I.	Rod	Elev.
+50				2.95	43.44
64				4.62	41.77
+50				5.70	40.69
65				7.12	39.27
+50				8.55	37.84
66				11.13	35.24
℄	2.23	11.13	37.47		35.24
+50	out				
67				7.53	29.92
+50				10.82	26.65
68				12.70	24.77
+50				12.76	24.77
69				10.88	26.59
+50				9.54	27.93
70				9.02	28.45
+50	out				
71				11.05	26.42

Sta.	+	−	H.I.	Rod	Elev.
+50				11.48	25.99
72				11.65	25.82
℄	0.42	11.65	26.24		25.82
+50				1.15	25.09
73				2.08	24.16
+50				3.15	23.09
74				4.20	22.04
+50				4.55	21.69
75				3.92	22.32
+50				4.81	21.43
76				5.28	20.96
+50				5.65	20.59
77				7.43	18.81
+50				9.58	16.66
78				11.90	14.34
℄	1.55	11.90	15.89		14.34
+50				3.60 5.07	12.29

Sta.	+	−	B.H.	Rod	Elev
79				5.02 ~~6.35~~	10.87
+50				6.35 ~~7.95~~	9.54
80				7.95 ~~4.30~~	7.94
+50				9.30 ~~8.50~~	6.59
81				8.50	7.39
+50				6.97	8.92
82				5.30	9.59
+50				4.40	11.49
83				3.11	12.78
+50	out				
84				2.18	13.71
+50				2.74	13.15
85				4.75	11.14
+50				7.69	8.21
86				9.58	6.31
+50				11.52	4.37
~~0~~	1.35	11.53	5.71		4.36

Sta.	+	−	B.H.	Rod	Elev.
87				3.80	1.91
+50				4.92	.79
88				6.80	− 1.11
+50				7.95	− 2.24
89				6.70	− 1.01
+50				7.62	− 1.91
90				8.46	− 2.79
+50				5.44	.27
91				5.00	.71
+50				4.38	1.43
92				3.50	2.21
+50				3.15	2.66
93				3.23	2.48
+50				2.88	2.83
94				3.00	2.71
+50				2.22	3.49
95				2.00	3.71

Sta.	+	−	H.I.	Rod	Elev
0	5.07	1.98	8.80		3.73
+50				5.45	3.35
96				5.55	3.25
+50				5.40	3.40
97				4.90	3.90
+50				5.40	3.40
98				6.15	2.65
+50				5.95	2.85
99				5.52	3.28
+50				5.45	3.35
100				4.85	3.95
+50				4.48	4.32
101				4.23	4.57
+50				3.52	5.28
102				3.08	5.72
+50				2.90	5.90
103				2.48	6.32

Sta.	+	−	H.I.	Rod	Elev
+50				2.22	6.58
104				1.60	7.20
0	6.35	1.59	13.56		7.21
+50				5.35	8.21
105				7.73	5.83
+50				8.10	5.46
106				6.64	6.92
+50				6.55	7.01
107				5.68	7.88
+50				6.20	7.36
108				5.80	7.76
+50				5.35	8.21
109				6.90	6.66
+50	Covered				
110				5.62	7.94
+50				6.32	7.24
111				6.65	6.91

Sta	+	−	B.H.	Rod	Elev
+50				7.00	6.56
112				8.00	5.56
+50	Ground				
113				8.50	5.06
0	3.12	8.50	8.18		5.06
+50				3.28	4.90
114				2.65	5.53
+50				2.82	5.36
115				3.60	4.58
+50				4.65	3.53
116				5.78	4.40
+50				5.78	4.40
B.M	Spk. in tel. Pole		op. 116+50	4.75	3.43
117				6.20	1.98
+50				6.70	1.48
118				6.98	1.20
+50				7.32	0.86

Sta.	+	−	B.H.	Rod	Elev.
119				7.62	0.56
+50				7.80	0.38
120				7.75	0.43
+50				7.60	0.58
0	6.10	7.59	6.69		0.59
121				6.08	.61
+50				6.05	.64
122				6.20	.49
+50				6.50	.19
123				6.42	.27
+50				6.90	.21
124				7.20	.51
+50				7.15	.46
125				6.80	.11
+50				6.70	.01
126				6.60	.09
+50				5.62	1.07

5/15/02

Crowell
Fortran
Davis

Sta.	+	−	B.H.	Rod	Elev.
127				4.72	1.97
+50				4.60	2.09
128				4.00	2.69
+50				3.25	3.44
~~0~~	10.58	3.25	13.98		3.44
129				9.70	4.28
+50				8.93	5.05
130				8.30	5.68
+50				7.30	6.68
131				6.10	7.88
+50				5.20	8.78
132				4.40	9.58
+50				3.32	10.66
133				2.80	11.18
+50				1.75	12.23
134	B.M. Top of Plug			0.92	13.06

Sta.	+	−	B.H.	Rod	Elev.
	11.21		24.27		13.06
+50				10.00	14.27
135				8.80	15.47
+50				8.15	16.12
136				8.20	16.07
+50				7.25	17.02
137				6.65	17.62
+50				6.85	17.42
138				6.95	17.32
+50				5.95	18.32
139				5.45	18.82
+50				5.25	19.02
140				4.55	19.72
+50				4.45	19.82
141				4.90	19.37
+50				4.90	19.37
142				5.78	18.49

Sta.	+	−	H.I.	Rod	Elev
+50				5.38	18.89
143				5.10	19.17
+50				5.30	18.97
144				4.90	19.37
+50				5.05	19.12
145				4.80	19.47
+50				4.45	19.82
146				4.02	20.25
~~0~~	8.60	4.05	28.82		20.22
+50				7.68	21.14
147				6.95	21.87
+50				5.86	22.96
148				5.82	23.00
+50				6.06	22.76
149				5.48	23.34
+50				5.31	23.51
150				5.32	23.50

Sta.	+	−	H.I.	Rod	Elev.
+50				5.42	23.40
151				5.55	23.27
+50				6.10	22.72
152				7.15	21.67
+50				8.10	20.72
153				8.90	19.92
+50				8.90	19.92
~~0~~	11.50	8.88	32.44		20.94
154				9.12	23.32
+50				4.65	27.79
155				0.75	31.69
~~0~~	11.71	0.75	43.40		31.69
+50				9.00	34.40
156				9.10	34.30
+50				8.60	34.80
157				0.92	42.48
~~0~~ +50	11.91	0.92	54.39		42.48

Sta.	+	−	H.I.	Rod	Elev.
+50				8.45	45.94
158				6.07	48.32
+50				2.70	51.69
159				1.10	53.29
+50				2.37	51.82
160				4.22	50.17
+50				6.90	47.49
161				8.88	45.51
+50				11.20	43.19
0	2.05	11.20	45.24		43.19
162				6.68	38.56
+50				8.35	36.89
163				11.22	34.02
0	1.12	11.26	35.10		33.98
+50				5.92	29.18
164				10.82	24.28

Sta	+	−	H.I.	Rod	Elev
0	0.58	11.72	23.96		23.38
+50				4.72	19.24
165				7.98	15.98
+50				8.48	15.48
166				7.40	16.56
+50				5.83	18.13
167				4.50	19.46
+50				5.36	18.60
168				5.25	18.71
+50				6.50	17.46
169				5.13	18.83
+50				7.20	16.76
170				9.50	14.46
+50				12.30	11.66
0	3.49	10.38	17.13		13.64
171	ant-				
+50				9.41	7.72

Sta.	+	−	H.I.	Rod	Elev
172				12.60	4.53
+50				5.52	11.61
173				3.10	14.03
B.M. Post opp.	173+50			3.25	13.88
+50				5.18	11.95
174				2.35	14.78
+20.7				1.78	15.35
					B.M.
	3.29		17.17		13.88
+50				3.42	13.75
175				8.82	8.35
+58				10.50	6.67
176				10.53	6.64
+50				11.37	5.80
177				10.80	6.37
+50				8.72	8.45
178				6.00	11.17
+50				4.75	12.92

Sta.	+	−	H.I.	Rod	Elev
179				2.58	14.59
0	10.73	3.058	25.32		14.59
+50				9.52	15.80
180				8.03	17.29
+50				6.74	18.58
B.M.			~~8.31~~	8.31	17.01
181			5.	5.98	19.34
+50				8.20	17.12
182				5.75	19.57
+50				6.41	18.91
183				7.72	17.60
+50				9.35	15.97
184				9.15	16.17
+50				8.55	16.77
0	0.33	11.17	14.48		14.15
185				11.85	2.63
+50				12.00	2.48

Sta.	+	−	H.I.	Rod	Elev.
186				11.32	3.16
+50				14.40	0.08
187				14.80	−0.32
+50				15.60	−1.12
188				14.20	0.28
+50				6.95	7.53
189				10.58	3.90
+50				5.62	8.86
190				4.45	10.03
+50	out				
191				4.95	9.53
+50				4.48	10.00
⊙	8.11	4.48	18.11		10.00
192				8.47	9.64
+50				8.20	9.91
193				7.55	10.56
+50				6.60	11.51

Sta.	+	−	H.I.	Rod	Elev.
194				6.00	12.11
+50				5.72	12.39
195				4.92	13.19
+50				3.88	14.23
196				4.92	13.19
+50				4.59	13.52
B.M.		~~5.60~~		5.60	12.51
197				5.78	12.33
+50				5.90	12.21
198				6.18	11.93
+50				5.92	12.19
199				6.22	11.89
+50				6.55	11.56
200				8.18	9.93
⊙	8.41	8.18	18.34		9.93
+50				8.88	9.46
201				9.22	9.12

Sta.	+	−	H.I.	Rod	Elev.
+50				8.03	10.31
202				6.70	11.64
+50				5.75	12.59
203				5.50	12.84
+50				5.78	12.56
204				6.05	12.29
+50				5.42	12.92
205				5.72	13.12
+50				3.82	14.52
206				2.06	16.28
⊙	8.41	0.42	24.33		17.92
+50				8.23	18.10
207				6.25	20.08
+50				6.12	20.21
208				5.52	20.81
+50				5.80	20.53
209				5.12	21.21

Sta.	+	−	H.I.	Rod	Elev.
+50				3.88	22.45
210				1.98	24.35
+50				3.35	22.98
211				2.45	23.88
⊙	6.58	2.44	30.47		23.89
+50				5.82	24.65
212				4.51	25.96
+50				4.65	25.82
213				5.65	24.82
+50				5.98	24.49
214				5.85	24.62
+50				5.32	25.15
215				5.40	25.07
+50				5.20	25.27
216				6.73	23.74
+50				8.15	22.32
217				9.54	20.93

Sta.	+	−	H.I.	Rod	Elev
0	2.99	9.54	23.92		20.93
+50				3.83	20.09
218				5.70	18.22
+50				7.15	16.77
219				7.71	16.21
+50				8.22	15.70
220				8.18	15.74
+50				8.78	15.14
221				11.12	12.80
0	7.90	11.11	20.71		12.81
+50				8.65	12.06
222	out-				
+56				10.10	10.61
223				9.30	11.41
+50				4.70	16.01
224				2.35	18.36
+50				0.73	19.98

Sta.	+	−	H.I.	Rod	Elev.
0	11.14	0.73	31.12		19.98
225				7.03	24.09
+50				4.20	26.92
226				2.11	29.01
+50					
0	5.57	2.11	34.58		29.01
+50				4.10	30.48
+83				3.78	30.80

6/5/12

Levels for Pipe line on El Cajon Ave

Sta	+	−	H.I.	Rod	Elev.
	3.58		380.83		377.25 BM
0	1.64	11.40	371.07		369.43
0	0.12	11.09	360.10		359.98
0				10.72	349.38
0	10.72	0.32	349.70		349.38
+50				4.36	
1				7.40	
+50				9.37	
2				10.95	
+50				12.70	
0	7.71	11.68	340.73		338.02
3				3.96	
+50				5.30	
4				5.78	
+50				7.93	
5				9.13	

Sta	+	−	H.I.	Rod	Elev.
+50				9.71	
6				7.62	
+50				7.67	
7				6.68	
+50				4.82	
8				1.70	

6/5/02

Levels for Pipe line on El Cajon Ave - Center of Louisiana St - 19

E. line of Arizona St. to

Sta	+	−	O.H.	Rod	Elev.
	7.81		330.91		323.10=10m
8				1.32	329.59
+50				4.95	325.96
7				6.70	324.21
+50				7.78	323.13
6				7.75	323.16
+50				9.87	321.04
5				9.30	321.61
+50				8.08	322.83
4				5.88	325.03
+50				5.40	325.51
3				4.03	326.88
+50				3.20	327.71
2				2.11	328.80
~~0~~	12.10	2.11	340.90		328.80
+50				10.45	330.45
1				8.56	332.34

Sta	+	−	O.H.	Rod	Elev
+50				5.52	335.38
0				1.50	339.40

Sta 0.= E. line of Arizona.

3rd St. Laurel to Maple

6/7/02

{ Crowell
Fortner
Davis

251.21 = B.M. 5.78	+	—	O.H.	Rod	Elev
251.21	5.78		256.99		
⊖	3.71	7.95	252.75		249.04
	South Line Maple				
W side				4.10	248.65
Curb				4.3	248.45
1/4				4.25	248.50
C				4.0	248.75
1/4				4.5	248.25
Gutter				4.2	248.55
E side	Cement Curb & Walk				
	25' S. of Maple				
E side	Walk				
Gutter				5.17	247.58
1/4				4.95	247.80
C				4.70	248.05
1/4				4.75	248.00

Curb				5.07	247.68
W				4.55	248.20
	50' South Maple				
W				5.25	247.50
Curb				5.30	247.45
1/4				5.40	247.35
C				5.1	247.65
1/4				5.78	246.97
Gutter				6.03	246.72
E	Walk				
	75' South of Maple				
E	Walk				
Gutter				7.0	245.75
1/4				6.45	246.30
C				5.52	247.23
1/4				5.62	247.13
Curb				5.68	247.07
W				5.62	247.13

100' South Maple

W	6.72	246.53
Curb	6.30	246.45
1/4	6.30	246.45
C	6.05	246.70
1/4	7.10	245.65
Gutter	7.78	244.97
Walk		

125' S. of Maple

E Walk		
Gutter	8.68	244.07
1/4	7.78	244.97
C	6.63	246.12
1/4	7.30	245.45
Curb	6.92	245.83
W	7.10	245.65

150' S. Maple

W.	7.20	245.55
Curb	7.95	244.80
1/4	8.15	244.60
C	7.80	244.95
1/4	8.35	244.40
Gutter	9.1	243.65
E	8.40	244.35

175' S. Maple

E	9.00	243.75
curb	9.40	243.35
1/4	9.0	243.75
C	9.03	243.72
1/4	9.40	243.35
Curb	9.25	243.50
W	9.42	243.33

200' S. Maple

W.			11.6	241.15
curb			11.2	241.55
1/4			11.0	241.75
C			10.8	241.95
1/4			10.6	242.15
curb			10.15	242.60
E			9.82	242.93
O	2.50	9.50	243.67	243.17

225' S. Maple

E			3.60	242.07
curb			4.18	241.49
1/4			4.62	241.05
C			4.80	240.87
1/4			5.02	240.65
curb			5.15	240.52
W			5.53	240.14

250' S. maple

W			6.28	239.39
curb			6.0	239.67
1/4			5.98	239.69
C			5.80	239.87
1/4			5.70	240.47
curb			4.80	240.87
E			3.85	241.82

275' S. maple

E			4.30	241.37
curb			5.40	240.27
1/4			6.10	239.57
C			6.52	239.15
1/4			6.68	238.99
curb			6.80	238.87
W			6.90	238.77

	North line Laurel				
W				7.72	237.95
curb				8.20	237.47
1/4				8.08	237.59
C				7.95	237.72
1/4				7.68	237.99
curb				7.85	237.82
E				6.80	238.87

6/7/02
Crowell
Harlan
Davis

Maple St. bet 2nd & 3rd

23

			H.I		
	5.12		254.16		249.04
	West line 3rd St				
S				5.48	248.68
curb				5.88	248.28
1/4				5.38	248.78
C				4.92	249.24
	25' W of 3rd				
C				5.32	248.84
1/4				5.45	248.71
curb				6.15	248.01
S				5.93	248.23
	50' W. of 3rd				
S				6.10	248.06
curb				6.40	247.76
1/4				5.28	248.88
C				5.15	249.01

Maple 3rd to 4th
North side

	4.67	253.61	249.04
	W of 3rd		
N		3.32	250.29
curb		4.28	249.33
1/4		4.22	249.39
	50' W of 3rd		
N		3.30	250.31
curb		3.80	249.81
1/4		4.35	249.26
	100' W. of 3rd		
1/4		4.62	248.99
curb		4.82	249.29
N		3.50	250.11
	150' W of 3rd		
N		3.73	249.88
curb		4.70	248.91
1/4		4.65	248.96
C		4.70	248.91
1/4		4.20	249.41

on page 28

	75' W. of 3rd		
C		4.92	249.24
1/4		5.48	248.68
curb		6.55	247.61
S		6.22	247.94
	100' W. of 3rd		
S		5.80	248.36
curb		6.35	247.81
1/4		5.58	248.58
C		5.42	248.74

6/13/02 Elevations on H St. from 18th to 20th St. (on curb Lines)

Sta	+	−	H.I.	Rod	Elev.
	11.42		60.48		49.06 = B.M.
		E. side 18th St.			
S.				9.08	51.40
N.				7.60	52.88
		25' E. of 18th			
N				6.13	54.35
S				7.59	52.89
		50' E. of 18th			
S				5.88	54.60
N				4.62	55.86
		75' E. of 18th			
N				3.03	57.45
S				4.10	56.38

(Donnell Davis)

		100' E. of 18th			
S				2.40	58.08
N				1.41	59.07
~~O~~	11.18	1.03	70.63		59.45
		125' E of 18th			
N				9.62	61.01
S				10.70	59.93
		150' E of 18th			
S				9.15	61.48
N				7.61	63.02
		175' E of 18th			
N				5.40	65.23
S				7.15	63.48
		H. line 19th			
S				5.45	65.18
N				3.40	67.23

~~O~~	11.66	0.78	81.51		69.85
	E. line 19th				
S				12.40	69.11
N				10.45	71.06
	25' E of 19th				
N				8.69	72.82
S				11.20	70.31
	50' E of 19th				
S				9.13	72.38
N				6.84	74.67
	75' E of 19th				
N				4.90	76.61
S				7.20	74.31
	100' E of 19th				
S				5.30	76.71
N				2.92	78.59

	125' E of 19th				
N				0.99	80.57
S				3.38	78.13
~~O~~	8.80	0.88	89.43		80.63
	150' E of 19th				
S				9.38	80.05
N				6.83	82.60
	175' E of 19th				
N				4.83	84.60
S				7.39	82.04
	N. line 20th				
S				5.61	83.82
N				3.00	86.43
Chk on B.M		3.38			86.05 86.06

6/17/02 Levels on West side of 3rd St. Pet. D + E.

Cornell Dams

Sta	+	−	I.H.	Rod	Elev.	Grade
	8.06		42.62		34.56 = B.M.	
S. line D				3.08	39.54	39.50
50' S "				4.05	38.57	38.33
100' S "				5.01	37.61	37.17
135' " "				5.66	36.96	36.36
150' " "				6.88	35.74	36.00
185' " "				7.63	34.99	35.19
⊖	4.42	3.08	43.96		39.54	

Engine House

curb		4.15	
S		4.25	249.46
	E. line 2nd		
S		5.50	248.11
curb		5.30	248.31
1/4		5.35	248.26
C		5.70	247.91
1/4		7.50	246.11
curb		7.00	246.61
N		4.70	248.91

6/26/02

El Cajon Avenue

T.P.	1.80		101.80	100.00
~~0~~	1.22	12.03	90.99	89.77
	1.24	12.15	80.08	78.84
	2.72	8.55	74.25	71.53

Grades for Improvement of El Cajon Ave

0	98.00
1	92.00
2	86.00
3	80.00
4	74.00
5	70.82
6	66.66
7	63.06

7/28/02 — Cowell, Fortune, Davis

Cross Sections of 6th St

+	—	O.H.	Rod	
		291.96		287.17

North line Robinson ave

W. line	4.79	287.17
curb	5.58	286.38
1/4	5.62	286.34
C	6.32	285.64
1/4	6.55	285.41
curb	7.00	284.96
E line	7.70	284.20

25' N. of Rob. ave.

E. line	8.58	283.38
curb	7.15	284.81
1/4	7.24	284.72
C	6.72	285.24
1/4	6.00	285.96
curb	5.72	286.24

[illegible] tat Robinson ave. + Univ. Ave.

W. line	5.10	287.17
		4.79
		291.96
		286.86

50 ft N. Rob. Ave

W. line	5.10	286.86
curb	5.62	286.34
1/4	6.75	285.21
C	6.90	285.06
1/4	7.10	284.86
curb	7.00	284.96
E. line	7.60	284.36

75' ft. N. Rob. Ave.

E. line	8.15	283.81
curb	7.52	284.44
1/4	7.40	284.56
C	6.82	285.14
1/4	6.15	285.81
curb	5.65	286.31
W. line	5.32	286.64

Cross-Sections Robinson Ave
from E. line 6th to E line of
5th St

100 ft. N. of Rob. Ave

W. line	5.40	286.56
cmb	6.22	285.74
¼	6.52	285.44
C	6.78	285.18
¼	7.00	284.96
cmb	6.98	284.98
E line	6.92	285.04

291.96

E. line of 6th St.

N. line	7.70	284.26
cmb	7.15	284.81
¼	7.55	284.41
C	7.55	284.41
¼	7.70	284.26
cmb	7.70	284.26
S. line	7.70	284.26

Center of 6th St

S. line	6.88	285.08
¼	6.50	285.46
C	6.32	285.64
¼	6.45	285.51
N. line	5.92	286.04

Next line of 6th

N. side	4.79	287.17
curb	5.20	286.76
¼	5.40	286.56
C	5.40	286.56
¼	4.30	287.66
curb	3.30	288.66
S. line	6.00	285.96

175 ft. E. of 5th

S. line	3.92	288.04
curb	3.42	288.54
¼	3.22	288.74
C	3.88	288.08
¼	3.15	288.81
curb	3.48	288.48
N. line	4.18	287.78

150 ft. E. of 5th

N. line	3.71	288.25
curb	3.58	288.38
¼	3.52	288.44
C	3.78	288.18
¼	3.73	288.23
curb	3.68	288.28
S. line	3.18	288.78

125 ft. E. of 5th

S. line	2.22	289.74
curb	2.92	289.04
¼	3.35	288.61
C	3.30	288.66
¼	3.12	288.84
curb	3.40	288.56
N. line	3.40	288.56

100 ft. E. of 5th St.

N. line	2.98	288.98
curb	2.92	289.04
¼	3.08	288.88
C	2.98	288.98
¼	1.88	290.08
curb	2.28	289.68
S. line	3.20	288.76

75 ft. E. of 5th St.

S. line	2.85	289.11
curb	2.90	289.06
¼	2.85	289.11
C	2.90	289.06
¼	2.80	289.16
curb	2.70	289.26
N. line	2.52	289.44

50 ft. E. of 5th St.

N. line	2.35	289.61
curb	2.35	289.61
¼	2.60	289.36
C	2.08	289.88
¼	2.18	289.78
curb	2.52	289.44
S. line	2.25	289.71

25 ft. E. of 5th St.

S. line	2.45	288.51
curb	2.45	289.51
¼	2.30	289.66
C	2.05	289.81
¼	2.80	289.16
curb	2.80	289.16
N. line	2.65	289.31

E. line of 6th St.

N. line	3.70	288.26
curb	3.90	288.06
″	3.95	288.01
C	3.72	288.24
″	3.80	288.16
curb	2.82	289.14
S. line	3.20	288.76

September 7nd. 1907

5" St. ✓ B to A. Sidewalks and curb Both sides R.
✓ A to ash " " " " " R
✓ Ash to Beach " " " " " R
✓ except 50' with return at N.W. cor of Ash
✓ (Wooden walk and return in)
✓ Beech to Cedar Sidewalk, curb and R.
✓ in on West side except 50'-50' from
✓ cor of Cedar.
✓ Beech to Cedar Sidewalk, curb and R.
✓ in on East side except Return and 75'
✓ at cedar St. South.
✓ Cedar to Date. Sidewalk, curb and R.
✓ in on West side of Street
✓ Cedar to Date. Sidewalk, curb and R
✓ in on East side of Street except Return
✓ and 100' North from cor of Cedar
✓ and 50' from 150 to 200' north
✓ of Cedar

✓ Date to Elm. Sidewalk, curb and
✓ Returns in Both sides of Street.
✓ Elm to Fir. Sidewalk, curb and
✓ Returns in Both sides of Street.
✓ Fir to Grape: Sidewalk, curb and
✓ Returns in Both sides of Street
✓ Grape to Hawthorne: Sidewalk, curb and
✓ Returns in Both sides of Street.
✓ Hawthorne to Ivy: Sidewalk, curb and
✓ Returns in Both sides of Street except
✓ Return at N.W. cor 5"+ Hawthorne and
✓ Return S.E. cor 5th " + Ivy St
✓ Ivy to Juniper sidewalk, curb and
✓ Returns in both sides of street except
✓ 50' from 150 to 200' N. of Ivy. on
✓ West side of St.
✓ Juniper to Kalmia: sidewalk, curb and
✓ Returns in both sides of Street.

✓ Kalmia to Laurel: Sidewalk, curb and
✓ Returns in both sides of Street.
✓ Laurel to Maple: Sidewalk, curb and
✓ Returns in both sides of Street
✓ Maple to Nutmeg: Sidewalk, curb and
✓ Returns in both sides of Street.
✓ Nutmeg to Olive: sidewalk, curb and
✓ Returns in both sides of Street.
✓ Olive to Palm: Sidewalk, curb and
✓ Returns in both sides of Street.
✓ Palm to Quince: Sidwalk, curb and
✓ Returns in both sides of Street
✓ Quince to Redwood: Sidewalk, curb and
✓ Returns in both sides of Street.
✓ Redwood to Spruce: Sidewalk, curb
✓ and Returns in both sides of Street.
✓ Spruce to Thorn: Sidewalk, curb and
✓ Returns in both sides of Street.

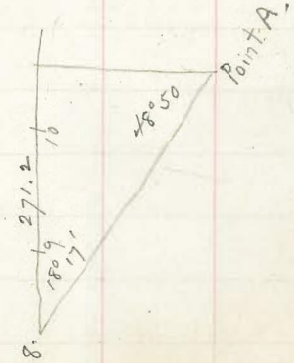
✓ Thorn to Upas: Sidewalk, curb and
✓ Returns in West side of Street. No
✓ walks, curb or returns on East side.
✓ Upas to Walnut: Sidewalk, curb and
✓ Returns in on West side except 39' and
✓ Return at N.W. cor 5th & Upas.
✓ Upas to Walnut: Sidewalk, curb
✓ in on East side from Kenton's Division
✓ Line to South line of Walnut.
✓ N.W cor 5th & Walnut St. Return,
✓ Sidewalk and Curb in for 150'
✓ North.
✓ N.W. cor 5th & Brooklea Ave., Return,
✓ Sidewalk and curb in from
✓ Cor Brooklea 150' North.
✓ Lot 4 Block 6 Brooklea
✓ Addition 50' sidewalk and Curb
✓ in.

(✓ S.W. cor 5th & Brooklea Ave 50' Wooden curb in)

✓ Lot 1 Block 5 Brooks addition
✓ 50' and Return in (Wooden curb.)
✓ N.W cor 5th and Robinson Streets,
✓ Return, sidewalk (cement) in for 200'
✓ North and (Wooden curb for same)

Level over Main Line 9/11/02
in Pound Canyon

Sta.	+	−	I.H.	Rod	Elev.
	2.30	10.18	92.17		89.87 = B.M.
	6.64		88.63		81.99
501.35				5.80	82.83
~~0~~	10.37	5.80	93.20		82.83
8				8.03	85.17
11				4.08	89.12
~~0~~	11.37	4.08	100.49		89.12
14				3.88	96.61
			100.49		
	5.09	10.51	95.07		89.98



	100.49		95.07
	97.50		87.50
97.5	2.99	87.5 =	7.57
	2.50		2.50
95.0	5.49	85.0	10.07
	2.50		2.50
92.5 =	7.99	82.5	12.57
	2.50		
90. =	10.49		

271.2
18°17'
48°50'

			107.07		123.17
			100.		115
14 =	96.61	100. =	7.07 =	115. =	8.17
+	10.46		2.50		2.50
I.H.	107.07	102.5	4.57 =	117.5	5.67
−	0.96		114.77		2.50
~~T.P.~~ =	~~107.01~~		105.00	120.0	3.15
T.P.	106.11	105. =	9.77		
+	8.66		2.50		
I.H.	114.77	107.5 =	7.27 ✓		129.47
−	2.42		2.50		120.
T.P.	112.35	110 ~~108.0~~	4.77 ✓	120 =	9.47
+	10.82	112.50	2.50		2.50
I.H.	123.17		2.27 ✓	122.5	6.97
−	0.90				2.50
T.P.	122.27			125 =	4.47
+	7.20				
	129.47				

	93.20		93.27		103.62	8.62
	4.08		82.50		92.50	2.50
B.M.	89.12	82.5 =	10.77	92.50 =	11.12	6.12
	~~4.15~~		2.50		2.50	
	~~4.97~~	85. =	8.27	95.00 =	8.62	
+	4.15		2.50		2.50	
I.H.	93.27	87.50 =	5.77	97.5 =	6.12	
−	1.32		2.50		2.50	
T.P.	91.95	90. =	3.27	100.0	3.62	
+	11.67				2.50	
I.H.	103.62			102.50	1.12	
−	0.75		113.87			
T.P.	102.87		105.			
+	11.00	105. =	8.87			
I.H.	113.87		2.50			
		107.50	6.37			
			2.50			
		110.	3.87			
			2.50			
		112.5	1.37			

On W. side commence at 110 - from Davis Km

I.H. = 111.00
− 1.00
T.P. = 110.00 B.M.
+ 11.64
I.H. 121.64
− 1.85
T.P. = 119.79
+ 8.07
I.H. 127.86
− 11.67
T.P. 116.19
+ 4.46
120.65
− 0.11
T.P. 120.54
6.40
I.H. 126.54

110.00
9.84
I.H. 119.84
0.38
T.P. 119.46
9.08
I.H. 128.54

110.
0.99
110.99
105 = 105
5.99
5
100 = 10.99

110 = 9.84
5
115 = 4.84

128.54
120.
8.54
5
3.54

121.64
115.00
115. = 6.64
5.
120 = 1.64

127.86
125.
125. = 2.86
5.
120. = 7.86

126.54
125.
125. = 1.54
5
120 = 6.54

I.H. = 113.87
1.75
I.H. 112.12
+ 9.87
I.H. 121.99
− 3.43
T.P. 118.56
10.68
I.H. 129.24
− 2.21
T.P. 127.03
+ 3.73
I.H. 130.76

85.17
+ 4.74

I.H. 89.91
− 2.93
T.P. 86.98
6.32
I.H. 93.30

82.83
+ 82.78
85.61
80.
80 = 5.61
2.50
82.5 3.11

I.H. = 100.80
+ 1.58
102.38

172.12
115.00

121.99
115.00
115. = 6.99
2.50
117.5 4.49

129.24
120.
× 120 = 9.24
2.50
122.5 6.74
2.50
125.0 4.24

89.91
82.50
82.5 = 7.41
2.50
80. = 9.91 +
82.5 7.41 ✓
2.50
85. = 4.91 ✓
2.50
87.5 2.41

115.12
105.
105. = 10.12
2.50
107.5 = 7.62
2.50
110.0 5.12
2.62
112.5 = 2.62

I.H. 100.80
1.58
T.P. 99.22
1.78
111.00
5.
6

130.76
120
120 = 10.76
2.50
122.5 = 8.26
2.50
125. = 5.76

93.30
87.50
87.5 5.80
2.50
90. = 3.30
2.50
92.5 = 0.80

104.83
92.50
12.33
2.50
95. = 9.83
2.50
97.5 = 7.33
2.50
100. = 4.83
2.50
102.5 = 2.33

127.30
115 = 115.
12.30
2.50
117.5 = 9.80
2.50
120. = 7.30
2.50
122.5 = 4.80

El, 82.83
4.65
86.88
+ 2.50
89.38

82.83
11.33
I.H. 94.16
87.50
87.5 6.66
2.50
90. = 3.16

I.H. = 94.16
+ 0.25
94.41

I.H. 94.16
− 0.25
T.P. = 93.91
+ 10.92
I.H. 104.83
− 0.86
T.P. 103.97
+ 11.35
I.H. 115.32
− 0.32
T.P. = 114.80
12.50
127.30

14 = 96.61
+ 4.19
I.H. 100.80
90.
90 = 10.80
5
85. = 5.80

111.00
100.
100. = 11.00
5
10.5 = 6.00
5
110. = 1

B. M. = 110.00
+ 1.84
I.H. 111.84
− 11.43
T.P. 100.41
+ 7.86
108.27
− 1.90
T.P. 106.37
+ 9.43
I.H. 115.80
− 1.06
T.P. 114.74
+ 11.73
I.H. 126.47
− 11.82
T.P. 114.65
+ 1.96
I.H. 116.61
− 11.83
~~28.44~~
T.P. 104.78
+ 8.25
I.H. 113.03
− 1.64
T.P. 111.39
+ 10.04
I.H. 121.43
− 1.14
T.P. 120.29
10.55
I.H. 130.84
− 9.95
T.P 120.89
+ 4.02
~~+24.91~~
I.H. 124.91
− 12.64
T.P. 112.87

108.27
95.06
13.27
100 = 8.27
105 = 3.27
110 5.80
115 = 11.47
120 = 6.47
125 = 1.47
100 = 13.03
105 = 8.03
110 = 3.03
115 = 6.43
120 = 1.43
125 = 5.84
120 = 10.84
124.91
115.0
115 = 9.91

T.P. = 112.87
+ 4.95
I.H. 117.82
− 0.93
T.P. 116.89
+ 11.24
I.H. 128.13
− 0.83
T.P. 127.30
+ 1.63
I.H. 128.93
− 4.15
B.M. = 124.78 =
5.07
129.85
11.92
33+85 117.93 on ~~Stag~~. Witness stake

110 = 7.82 finis
115 = 02.82
120 = 8.13
125 = 3.13
120 = 8.93
125 = 3.93
125 = 4.85
127.5 = 7.35
120 = 9.85
2.10
127.5 12.35

117.93
117.50
.43

Sept 24-1902

Sta	B.S.	+ H.I.	- F.S.	Elv
	3.82			117.93
		121.25	3.75	117.50
		"	6.25	115.00
		"	8.75	112.50
		"	1.25	120.00
J.P.	10.53	"	0.92	120.33
		130.86	8.36	122.50
		"	5.86	125.00
		"	3.36	127.50
J.P.	9.96	"	.86	130.00
		139.96	7.46	132.50
		"	4.96	135.00
		"	2.46	137.50
		"	-0.04	140.00
J.P.	11.53	"	0.78	139.18
		150.71	8.21	142.50
		"	5.71	145.00
		"	3.21	147.50
		"	0.71	150.00
J.B.	10.84	"	1.64	149.07
		159.91	7.41	152.50
			4.91	155.00
				160.00
J.B.	11.68			117.93
		129.61	7.11	122.50
		"	4.61	125.00
		"	2.11	127.50
J.B.	9.86	"	0.76	128.85
		138.71	8.71	130.00
			6.21	132.50
			3.71	135.00
			1.21	137.50

Wallace

115.0
2.5
117.5
2.5
120.00

41

St	B.S.	+ H.I.	- F.S.	Elv
J.P.	10.97	138.71	1.66	137.11
		148.08	8.08	140.00 "
		"	5.58	142.50
		"	3.08	145.00
		"	0.58	147.50
J.P.	11.45	"	0.34	147.74
		159.19	9.19	150.00
			6.69	152.50
			4.19	155.00
J.P.	11.49			117.93
	10.63	129.42	0.27	129.15
		139.77	7.27	132.50
Sept 26 1902	11.59			129.15
		140.74	8.24	132.50
		"	5.74	135.00
		"	3.24	137.50
	1.42	"	0.74	140.00
	10.90	"	1.42	139.32
		150.22	7.72	142.50
		"	5.22	145.00
		"	2.72	147.50
J.B.	10.07		0.48	149.74
		159.81	9.81	150.00
		"	7.31	152.50
		"	4.81	155.00
	9.68			117.93
		127.56	.06	127.50
	11.30		2.33	150.00
		136.53		125.23

C. Fortner
H. David

+		−		
	136.58	6.53	130.00	
		4.03	132.50	
	"	1.53	135.00	
		.53	140.00	
T.P. 8.57		1.82	134.71	
	143.28	3.28	140.00	
11.38		1.25	142.03	
	153.41	8.41	145.00	
		3.41	150.00	
T.P. 6.90		2.98	150.43	
	157.33	2.33	155.00	
B.M.				
11.32		~~4.02~~	117.93	
	129.25	9.25	120.00	
		4.25	125.00	
		~~1.75~~ ~~13~~		
B.M. 11.20		0.27	(128.98)	B.M.
	140.18	10.18	130.00	
		5.18	135.00	
		0.18	140.00	
T.P. 9.55		1.36	138.82	
	148.37	3.37	145.00	
T.P. 11.10	"	1.36	147.01	
	158.11	8.11	150.00	
		3.11	155.00	
4.68	159.68	4.68	155.00	
		9.68	150.00	
3.48		11.90	147.78	
	151.26	6.26	145.00	
		11.26	140.00	
1.72		11.87	139.39	
	140.11	5.11	135.00	
	"	10.11	130.00	
	"	7.15	132.96	B.M. upper plug SX-41.

West Side

No. side of a

25' No. of a.

Curb Elevations = Black Ink
Ground Elevations = Red Ink

Fortner / Davis } 9-27-02

West Side

North Side "A"	67.8	0.7 67.1	0.9 66.9	0.3 67.5
25' North of "A"	68.57	0.5 68.07	0.7 67.87	0.1 68.47
50' " "	69.33	0.7 68.63	0.7 68.63	0.5 68.83
75' " "	70.10	0.5 69.60	0.5 69.60	0.4 69.70
100' " "	70.87	0.6 70.27	0.6 70.27	0.3 70.57
125' " "	71.63	0.5 71.13	0.5 71.13	0.2 71.43
150' " "	72.40	0.4 72.00	0.2 72.20	0.2 72.20
175' " "	73.17	0.4 72.77	0.5 72.67	0.1 73.07
200' " "	73.93	0.6 73.33	0.6 73.33	0.1 73.83
225' " "	74.70	0.6 74.10	0.4 74.30	0.1 74.60
250' " "	75.47	0.6 74.87	0.5 74.97	0.0 75.47
275' " "	76.23	0.5 75.73	0.5 75.73	0.0 76.23
South Side Ash	77.0	0.6 76.40	0.7 76.30	0.3 76.70

East Side

No side of "A"	67.8	0.4 67.40	0.5 67.30	0.0 67.8
25' North of "A"	68.65	0.6 68.05	0.6 68.05	0.1 68.55
50' " " "	69.50	0.6 68.90	0.6 68.90	0.4 69.10

Gutters in Fifth Street

75' North of "A"	70.35	0.7 69.65	0.7 69.65	0.5 69.85
100' " " "	71.20	0.8 70.40	0.8 70.40	0.6 70.60
125' " " "	72.05	0.7 71.35	0.9 71.15	0.6 71.45
150' " " "	72.90	0.7 72.20	0.8 72.10	0.8 72.10
175' " " "	73.75	0.8 72.95	1.1 72.65	0.6 73.15
200' " " "	74.60	0.8 73.80	0.9 73.70	0.9 73.70
225' " " "	75.45	0.6 74.85	1.0 74.45	0.7 74.75
250' " " "	76.30	0.8 75.50	1.1 75.20	1.0 75.30
275' " " "	77.15	0.7 76.45	0.9 76.25	0.5 76.65
South Side Ash	78.0 W	0.7 77.30	0.8 77.20	0.3 77.70

50' " " " Maple Ash and Beech

50' " " " Beech and Cedar

75' " east " " " " "

150 " " " " Cedar and Ash

West Side

North Side of Date	131.0	0.0 131.0	0.0 131.0	0.0 131.0
25' North of Date	131.79	0.4 131.39	0.4 131.39	0.2 131.59

50' North of Date	132.58	0.6 131.98	0.8 131.78	0.3 132.28
75' " " "	133.37	0.7 132.60	0.9 132.47	0.2 133.17
100' " " "	134.16	0.8 133.36	1.0 133.16	0.4 133.70
125' " " "	134.96	0.9 134.06	1.1 133.86	0.6 134.36
150' " " "	135.75	0.8 134.95	1.1 134.65	0.8 134.95
175' " " "	136.54	1.1 135.44	1.1 135.44	0.4 136.14
200' " " "	137.33	0.9 136.43	1.1 136.23	0.3 137.03
225' " " "	138.12	0.7 137.42	0.5 137.62	0.2 137.92
250' " " "	138.92	0.6 138.32	0.3 138.62	0.3 138.62
275' " " "	139.71	0.3 139.41	0.3 139.41	0.3 139.41
South Side Elm	140.5	0.5 140.00	0.6 139.90	0.3 140.20
	East Side			
North Side Date	131.0	0.0 131.0	0.0 131.0	0.0 131.0
25' North Date	131.79	0.3 131.49	0.3 131.49	0.2 131.59
50' " "	132.58	0.6 131.98	0.5 132.08	0.4 132.18
75' " "	133.37	1.0 132.37	0.9 132.47	0.3 133.07
100' " "	134.16	0.7 133.46	0.9 133.26	0.2 133.96
125' " "	134.96	0.7 134.26	1.0 133.96	0.2 134.76

150' North Date	135.75 ~~134.96~~	0.6 135.15	0.7 135.05	0.1 135.65
175' " "	136.54 ~~135.75~~	0.6 135.94	0.8 135.74	0.1 136.44
200' " "	137.33 ~~136.54~~	0.4 136.93	0.7 136.63	0.2 137.13
225' " "	138.12 ~~137.33~~	0.7 137.42	0.9 137.22	0.2 137.92
250' " "	138.92 ~~138.12~~	0.7 138.22	0.9 138.02	0.4 138.52
275' " "	139.71 ~~138.92~~	0.8 138.91	0.7 139.01	0.0 139.71
South Side Elm	140.5 W	0.8 139.70	0.9 139.60	0.3 140.20
	West Side			
North Side Elm	142.0	0.1 141.90	0.2 141.80	0.0 142.0
25' North Elm	143.21	0.4 142.81	0.5 142.71	0.2 143.01
50' " "	144.42	0.7 143.72	0.2 144.22	0.0 144.42
75' " "	145.62	0.6 145.02	0.0 145.62	0.0 145.62
100' " "	146.83	0.6 146.23	0.2 146.63	0.2 146.63
125' " "	148.04	0.8 147.24	0.5 147.54	0.6 147.44
150' " "	149.25	0.8 148.45	0.5 148.75	0.5 148.75
175' " "	150.46	0.5 149.96	0.7 149.76	0.4 150.06
200' " "	151.67	0.7 150.97	0.7 150.97	0.4 151.27
225' " "	152.87	0.6 152.27	0.6 152.27	0.6 152.27

250' North Elm	154.08	0.6 153.48	0.8 153.28	0.3 153.78
275' " "	155.29	0.8 154.49	1.0 154.29	0.2 155.09
South Side Fir	156.5	0.3 156.20	0.5 156.00	0.0 156.5
East Side				
North Side Elm	142.0	0.7 141.30	0.6 141.40	0.2 141.80
25' North Elm	143.21	0.7 142.51	0.8 142.41	0.1 143.11
50'	144.42	0.8 143.62	0.6 143.82	0.1 144.32
75'	145.62	0.7 144.92	0.7 144.92	0.2 145.42
100'	146.83	0.5 145.33	0.7 146.13	0.2 146.63
125'	148.04	0.6 147.44	0.4 147.64	0.0 148.04
150'	149.25	0.4 148.85	0.3 148.95	0.4 148.85
175'	150.46	0.6 149.86	0.9 149.56	0.3 150.16
200'	151.67	0.8 150.87	0.8 150.87	0.7 150.97
225'	152.87	0.8 152.07	0.9 151.97	0.5 152.37
250'	154.08	1.0 153.08	0.9 153.18	0.6 153.48
275'	155.29	0.7 154.59	0.9 154.39	0.5 154.79
South Side Fir	156.5	0.8 155.70	0.9 155.60	0.7 155.80

West Side				
North Side Fir	158.0	0.0 158.0	0.0 158.0	0.0 158.0
25' North Fir	159.54	0.6 158.94	0.6 158.94	0.2 159.34
50' " "	161.08	0.6 160.48	0.7 160.38	0.3 160.78
75' " "	162.62	0.6 162.02	0.7 161.92	0.4 162.22
100' " "	164.17	0.6 163.57	0.8 163.37	0.6 163.57
125' " "	165.71	0.6 165.11	0.8 164.91	0.4 165.31
150' " "	167.25	0.7 166.55	0.8 166.45	0.4 166.85
175' " "	168.79	0.7 168.09	0.8 167.99	0.5 168.29
200' " "	170.33	0.6 169.73	0.7 169.63	0.4 169.93
225' " "	171.87	0.6 171.27	0.7 171.17	0.2 171.67
250' " "	173.42	0.6 172.82	0.8 172.62	0.5 172.92
275' " "	174.96	0.6 174.36	0.7 174.26	0.4 174.56
South Side Grape	176.5	0.6 175.90	0.8 175.75	0.8 175.75
East Side				
North Side Fir	158.0	0.6 157.40	0.6 157.40	0.2 157.80
25' North Fir	159.54	0.6 158.94	0.4 159.14	0.1 159.44
50' " "	161.08	1.2 159.88	0.9 160.18	0.4 160.68

75' North Fir	162.62	1.0 161.62	0.7 161.92	0.2 162.42
100' " "	164.17	0.7 163.47	1.0 163.17	0.2 163.97
125' " "	165.71	0.8 164.91	0.8 164.91	0.2 165.51
150' " "	167.25	0.6 166.65	0.5 166.75	0.0 167.25
175' " "	168.79	0.8 167.99	0.6 168.19	0.2 168.59
200' " "	170.33	0.8 169.53	0.6 169.73	0.2 170.13
225' " "	171.87	0.6 171.27	0.7 171.17	0.0 171.87
250' " "	173.42	0.7 172.72	0.5 172.92	0.0 173.42
275' " "	174.96	0.5 174.46	0.9 174.06	0.0 174.96
South Side Grape	176.5	0.6 175.90	0.4 176.10	0.3 176.20
West Side				
North Side Grape	178.5	0.3 178.20	0.4 178.10	0.0 178.5
25' North Grape	179.96	0.8 179.16	0.5 179.46	0.0 179.96
50' " "	181.42	0.8 180.62	0.7 180.72	0.1 181.32
75' " "	182.87	0.7 182.17	0.6 182.27	0.0 182.87
100' " "	184.33	0.7 183.63	0.7 183.63	0.1 184.23
125' " "	185.79	0.5 185.29	0.4 185.39	0.4 185.39
150' " "	187.25	0.6 186.65	0.6 186.65	0.4 186.84

175' North Grape	188.71	0.2 188.51	0.4 188.31	0.2 188.51
200' " "	190.16	0.6 189.56	0.6 189.56	0.2 189.96
225' " "	191.62	0.8 190.82	0.6 191.02	0.3 191.32
250' " "	193.08	0.9 192.18	0.6 192.48	0.1 192.98
275' " "	194.54	0.6 193.94	0.7 193.84	0.3 194.24
South Side Hawthorne	196.0	0.5 195.50	0.9 195.10	0.3 195.70
East Side				
North Side Grape	178.5	0.5 178.00	0.4 178.10	0.0 178.50
25' North Grape	179.96	0.5 179.46	0.3 179.66	0.3 179.66
50' " "	181.42	0.7 180.72	0.4 181.02	0.5 180.92
75' " "	182.87	0.3 182.57	0.5 182.37	0.0 182.87
100' " "	184.33	0.7 183.63	0.8 183.53	0.3 184.03
125' " "	185.79	0.8 184.99	0.5 185.29	0.3 185.49
150' " "	187.25	0.8 186.45	0.6 186.65	0.3 186.95
175' " "	188.71	0.5 188.21	0.3 188.41	0.0 188.71
200' " "	190.16	0.6 189.56	1.0 189.16	0.3 189.86
225' " "	191.62	0.5 191.12	0.4 191.22	0.0 191.62
250' " "	193.08	0.3 192.78	0.0 193.08	0.5 192.58

275' North Grape	194.54	0.6 193.94	0.4 194.14	+0.3 194.84
South Side Hawthorne	196.0 W	0.7 195.30	0.5 195.50	0.0 196.0
	West Side			
North Side Hawthorne	198.5	0.5 198.00	0.5 198.00	0.2 198.30
25' North "	199.71	0.9 198.81	0.8 198.91	0.4 199.31
50' " "	200.92	0.9 200.02	0.8 200.12	0.5 200.42
75' " "	202.12	0.9 201.22	0.8 201.32	0.3 201.82
100' " "	203.33	0.8 202.53	0.9 202.43	0.3 203.03
125' " "	204.54	0.6 203.94	0.8 203.74	0.3 204.24
150' " "	205.75	0.7 205.05	0.8 204.95	0.4 205.35
175' " "	206.96	0.6 206.36	0.9 206.06	0.3 206.66
200' " "	208.17	0.9 207.27	0.8 207.37	0.2 207.97
225' " "	209.37	0.5 208.87	0.5 208.87	0.0 209.37
250' " "	210.58	0.5 210.08	0.5 210.08	0.2 210.38
275' " "	211.79	0.7 211.09	0.5 211.29	0.1 211.69
South Side Ivy	213.0	0.7 212.30	0.8 212.20	0.4 212.60
	East Side			
North Side Hawthorne	198.5	0.6 197.90	0.3 198.20	0.0 198.5

25' North Hawthorne	199.71	0.8 198.91	0.5 199.21	0.0 199.71
50' " "	200.92	0.2 200.72	0.2 200.72	0.0 200.92
75' " "	202.12	0.4 201.72	0.6 201.52	0.0 202.12
100' " "	203.33	0.6 202.73	0.6 202.73	0.2 203.10
125' " "	204.54	0.7 203.84	1.0 203.54	0.4 204.14
150' " "	205.75	0.7 205.05	1.0 204.75	0.5 205.25
175' " "	206.96	0.7 206.26	1.0 205.96	0.5 206.46
200' " "	208.17	0.8 207.37	1.0 207.17	0.4 207.77
225' " "	209.37	0.7 208.67	1.0 208.37	0.4 208.97
250' " "	210.58	0.7 209.88	0.9 209.68	0.3 210.28
275' " "	211.79	1.0 210.79	1.1 210.69	0.4 211.39
South Side Ivy	213.0 W	0.7 212.30	1.1 211.90	0.2 212.80
50' out in west side between Sorry and Juniper				
	West Side			
North Side Juniper	230.0	0.4 229.60	0.7 229.30	0.6 229.40
25' North Juniper	230.83	0.4 230.43	0.8 230.03	0.5 230.33
50' " "	231.67	0.3 231.37	0.5 231.17	0.3 231.37
75' " "	232.50	0.5 232.00	0.7 231.80	0.5 232.00

100' North Juniper	233.33	0.6 232.73	0.7 232.63	0.3 233.03
125' " "	234.17	0.6 233.57	0.6 233.57	0.5 233.57
150' " "	235.80	0.5 234.50	0.9 234.10	0.4 234.60
175' " "	235.83	0.4 235.43	0.4 235.43	0.2 235.63
200' " "	236.67	0.5 236.17	0.5 236.17	0.2 236.47
225' " "	237.56	0.5 237.06	0.8 236.76	0.2 237.36
250' " "	238.33	0.6 237.73	0.9 237.43	0.4 237.93
275' " "	239.17	0.3 238.87	0.4 238.77	0.7 238.47
South Side Kalmia	240.0	0.5 239.50	0.6 239.40	0.3 239.70
	East Side			
North Side Juniper	230.0	0.4 229.60	0.4 229.60	0.2 229.80
25' North "	230.92	0.6 230.32	0.7 230.22	0.3 230.62
50' " "	231.83	0.8 231.03	0.7 231.13	0.3 231.53
75' " "	232.75	0.8 231.95	0.7 232.05	0.3 232.45
100' " "	233.67	0.6 233.07	0.4 233.27	0.2 233.47
125' " "	234.58	0.4 234.18	0.4 234.18	0.1 234.48
150' " "	235.50	0.7 234.80	0.7 234.80	0.5 235.00
175' " "	236.42	0.6 235.82	0.6 235.82	0.3 236.12

200' North Juniper	237.33	0.5 236.83	0.5 236.83	0.4 236.93
225' " "	238.25	0.6 237.65	0.8 237.45	0.5 237.75
250' " "	239.17	0.4 238.77	0.8 238.37	0.8 238.37
275' " "	240.08	0.5 239.58	0.7 239.38	1.0 239.08
South Side Kalmia	241.0	0.8 240.20	0.9 240.10	1.0 240.00

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West Side

North Side Kalmia	241.0	0.1 240.90	0.2 240.80	0.3 240.70
25' North "	241.67	0.1 241.57	0.5 241.17	0.3 241.37
50' " "	242.33	0.1 242.23	0.4 241.93	0.5 241.83
75' " "	243.00	0.0 243.00	0.2 242.80	0.4 242.60
100' " "	243.67	0.1 243.57	0.2 243.47	0.7 242.97
125' " "	244.33	0.1 244.23	0.4 243.93	0.6 243.73
150' " "	245.00	0.1 244.90	0.4 244.60	0.5 244.50
175' " "	245.67	0.5 245.17	0.5 245.17	0.7 244.97
200' " "	246.33	0.6 245.73	0.6 245.73	0.4 245.93
225' " "	247.00	0.7 246.30	0.5 246.50	0.2 246.80

250' North Kalmia	247.67	0.5 247.17	0.5 247.17	0.4 247.27
275' " "	248.33	0.5 247.83	0.5 247.83	0.4 247.93
South Side Laurel	249.0	0.5 248.50	0.7 248.30	0.3 248.70
East Side				
North Side Kalmia	242.0	0.4 241.60	0.5 241.50	0.5 241.50
25' North "	242.67	0.3 242.37	0.4 242.27	0.4 242.27
50' " "	243.33	0.5 242.83	0.4 242.93	0.4 242.93
75' " "	244.00	0.5 243.50	0.3 243.70	0.3 243.70
100' " "	244.67	0.4 244.27	0.3 244.37	0.3 244.37
125' " "	245.33	0.6 244.73	0.5 244.83	0.4 244.93
150' " "	246.00	0.5 245.50	0.6 245.40	0.6 245.40
175' " "	246.67	0.3 246.37	0.5 246.17	0.6 246.07
200' " "	247.33	0.5 246.83	0.7 246.63	0.5 246.83
225' " "	248.00	0.5 247.50	0.6 247.40	0.5 247.50
250' " "	248.67	0.6 248.07	0.8 247.87	0.5 248.17
275' " "	249.33	0.5 248.83	0.7 248.63	0.6 248.73
South Side Laurel	250.0	0.7 249.30	0.8 249.20	0.6 249.40

West Side

North Side Laurel	250.0	0.5 249.50	0.4 249.60	0.0 250.00
25' North "	250.63	0.6 250.03	0.4 250.23	0.0 250.63
50' " "	251.25	0.6 250.65	0.5 250.75	0.2 251.05
75' " "	251.88	0.6 251.28	0.4 251.48	0.3 251.58
100' " "	252.50	0.4 252.10	0.6 251.90	0.5 252.00
125' " "	253.13	1.0 252.13	0.4 252.73	0.5 252.63
150' " "	253.75	0.5 253.25	0.5 253.25	0.3 252.45
175' " "	254.38	0.7 253.68	0.5 253.88	0.2 254.18
200' " "	255.00	0.6 254.40	0.5 254.50	0.1 254.90
225' " "	255.63	0.5 255.13	0.5 255.13	0.1 255.53
250' " "	256.25	0.6 255.65	0.6 255.65	0.1 256.15
275' " "	256.88	0.5 256.38	0.3 256.58	0.2 256.68
South Side Maple	257.5	0.5 257.00	0.5 257.00	0.4 257.10
East Side				
North Side Laurel	251.0	0.3 250.70	0.2 250.80	0.2 250.80
25' North "	251.63	0.5 251.13	0.5 251.13	0.4 251.23
50' " "	252.25	0.7 252.55	0.5 251.75	0.6 251.65

75' North Laurel	252.88	0.8 252.08	0.7 252.18	0.6 252.28
100' " "	253.50	0.7 252.80	0.7 252.80	0.6 252.90
125' " "	254.13	0.6 253.53	0.6 253.53	0.6 253.53
150' " "	254.75	0.5 254.25	0.6 254.15	0.5 254.25
175' " "	255.38	0.8 254.58	0.7 254.68	0.6 254.78
200' " "	256.00	0.5 255.50	0.8 255.20	0.5 255.50
225' " "	256.63	0.6 256.03	0.7 255.93	0.6 256.03
250' " "	257.25	0.6 256.65	0.8 256.45	0.6 256.65
275' " "	257.88	0.7 257.18	0.6 257.28	0.6 257.28
South Side Maple	258.5	0.7 257.80	0.8 257.70	0.8 257.70
West Side				
North Side Maple	258.0	0.1 257.90	0.3 257.70	0.3 257.70
25' North "	258.41	0.3 258.11	0.5 257.91	0.3 258.11
50' " "	258.83	0.5 258.33	0.5 258.33	0.6 258.23
75' " "	259.24	0.5 258.74	0.7 258.54	0.4 258.84
100' " "	259.66	0.4 259.26	0.5 259.16	0.3 259.36
125' " "	260.08	0.4 259.68	0.6 259.48	0.3 259.78
150' " "	260.49	0.5 259.99	0.6 259.89	0.4 260.09
175' North Maple	260.91	0.5 260.41	0.7 260.21	0.6 260.31
200' " "	261.33	0.8 260.53	0.8 260.53	0.6 260.73
225' " "	261.74	0.6 261.14	0.9 260.84	0.6 261.14
250' " "	262.16	0.5 261.66	0.5 261.66	0.7 261.46
275' " "	262.58	0.2 262.38	0.4 262.18	0.3 262.28
South Side Nutmeg	263.0	0.1 262.90	0.4 262.60	0.4 262.60
East Side				
	259.0	0.5 258.50	0.5 258.50	0.5 258.50
North Side Maple	259.37	0.6 258.77	0.5 258.87	0.3 259.07
25' North "	259.75	0.7 259.05	0.6 259.15	0.5 259.25
50' " "	260.12	0.7 259.52	0.7 259.52	0.6 259.62
75' " "	260.50	0.7 259.80	0.6 259.90	0.5 260.00
100' " "	260.87	0.5 260.37	0.5 260.37	0.5 260.37
125' " "	261.25	0.6 260.65	0.6 260.65	0.5 260.75
150' " "	261.62	0.4 261.22	0.4 261.22	0.4 261.22
175' " "	262.00	0.3 261.70	0.3 261.70	0.3 261.70
200' " "	262.37	0.3 262.07	0.3 262.07	0.4 261.97
225' " "	262.75	0.3 262.45	0.4 262.35	0.4 262.35
250' " "				
275' " "	263.12	0.2 262.92	0.2 262.92	0.4 262.72
South Side Nutmeg	263.5	0.4 263.10	0.5 263.00	0.4 263.10

West Side

North Side Nutmeg	265.0	0.8	0.8	0.6	
		264.20	264.20	264.40	
25' North "	265.46	0.8	0.7	0.4	
		264.66	264.76	265.06	
50' " "	265.92	0.4	0.5	0.3	
		265.52	265.42	265.62	
75' " "	266.37	0.4	0.5	0.2	
		265.97	265.87	266.17	
100' " "	266.83	0.5	0.7	0.2	
		266.33	266.13	266.63	
125' " "	267.29	0.5	0.6	0.3	
		266.79	266.69	266.99	
150' " "	267.75	0.6	0.7	0.4	
		267.15	267.05	267.35	
175' " "	268.21	0.6	0.8	0.1	
		267.61	267.41	268.11	
200' " "	268.67	0.9	1.1	0.2	
		267.77	267.57	268.47	
225' " "	269.12	0.5	0.7	0.2	
		268.62	268.42	268.92	
250' " "	269.58	0.6	0.8	0.4	
		268.98	268.78	269.18	
275' " "	270.04	0.7	0.7	0.3	
		269.34	269.34	269.74	
South Side Olive	270.5	0.8	0.9	0.4	
		269.70	269.60	270.10	

East Side

North Side Nutmeg	265.50	0.4	0.5	0.7	
		265.10	265.00	264.80	
25' North "	266.00	0.3	0.4	0.5	
		265.70	265.60	265.50	
50' " "	266.50	0.4	0.5	0.6	
		266.10	266.00	265.90	
75' North Nutmeg	267.00	0.3	0.4	0.5	
		266.70	266.60	266.50	
100' " "	267.50	0.3	0.5	0.6	
		267.20	267.00	266.90	
125' " "	268.00	0.3	0.5	0.6	
		267.70	267.50	267.40	
150' " "	268.50	0.2	0.4	0.5	
		268.30	268.10	268.00	
175' " "	269.00	0.5	0.5	0.6	
		268.50	268.50	268.40	
200' " "	269.50	0.3	0.5	0.6	
		269.20	269.00	268.90	
225' " "	270.00	0.1	0.5	0.7	
		269.90	269.50	269.30	
250' " "	270.50	0.3	0.5	0.6	
		270.20	270.00	269.90	
275' " "	271.00	0.6	0.6	0.8	
		270.40	270.40	270.20	
South Side Olive	271.50 W	0.6	0.7	0.7	
		270.90	270.80	270.80	

West Side

North Side Olive	271.0	0.5	0.7	0.4	
		270.50	270.30	270.60	
25' North "	271.37	0.6	0.5	0.8	
		270.77	270.87	270.57	
50' " "	271.75	0.5	0.6	0.8	
		271.25	271.15	270.95	
75' " "	272.12	0.2	0.3	0.5	
		271.92	271.82	271.62	
100' " "	272.50	0.2	0.3	0.4	
		272.30	272.20	272.10	
125' " "	272.87	0.6	0.4	0.5	
		272.27	272.47	272.37	
150' " "	273.25	0.4	0.5	0.5	
		272.85	272.75	272.75	

175' North Olive	273.62	0.4	0.6	0.3
		273.22	273.02	273.32
200' " "	274.00	0.7	0.7	0.3
		273.30	273.30	273.70
225' " "	274.37	0.8	1.0	0.2
		273.57	273.37	274.17
250' " "	274.75	0.6	0.8	0.5
		274.15	273.95	274.25
275' " "	275.12	0.5	0.5	0.6
		274.62	274.62	274.52
South Side Palm	275.5	0.4	0.6	0.2
		275.10	274.90	275.30
East Side				
North Side Olive	272.0	0.3	0.3	0.5
		271.70	271.70	271.50
25' North "	272.33	0.5	0.4	0.6
		271.83	271.93	271.73
50' " "	272.66	0.6	0.6	0.6
		272.06	272.06	272.06
75' " "	273.99	0.6	0.6	0.4
		273.39	273.39	273.59
100' " "	273.33	0.7	0.6	0.4
		272.63	272.73	272.93
125' " "	273.66	0.5	0.5	0.4
		273.16	273.66	273.26
150' " "	273.99	0.7	0.6	0.5
		273.29	273.39	273.49
175' " "	274.33	0.6	0.5	0.5
		273.73	273.83	273.83
200' " "	274.66	0.6	0.6	0.5
		274.06	274.06	274.16
225' " "	274.99	0.6	0.6	0.6
		274.39	274.39	274.39
250' " "	275.33	0.7	0.7	0.5
		274.63	274.63	274.83

275' North Olive	275.66	0.6	0.5	0.7
		275.06	275.16	274.96
South Side Palm	276.00	0.6	0.6	0.5
		275.40	275.40	275.50
West Side				
North Side Palm	276.5	0.4	0.6	0.4
		276.10	275.90	276.10
25' North Palm	276.63	0.3	0.6	0.4
		276.33	276.03	276.23
50' " "	276.75	0.5	0.5	0.4
		276.25	276.25	276.35
75' " "	276.88	0.7	0.6	0.5
		276.18	276.28	276.38
100' " "	277.00	0.5	0.6	0.4
		276.50	276.40	276.60
125' " "	277.13	0.4	0.6	0.3
		276.73	276.53	276.83
150' " "	277.25	0.3	0.5	0.5
		276.95	276.75	276.75
175' " "	277.38	0.3	0.5	0.4
		277.08	276.88	276.98
200' " "	277.50	0.6	0.6	0.5
		276.90	276.90	277.00
225' " "	277.63	0.6	0.6	0.3
		277.03	277.03	277.33
250' " "	277.75	0.5	0.5	0.3
		277.25	277.25	277.45
275' " "	277.88	0.4	0.5	0.3
		277.48	277.38	277.58
South Side Quince	278.0	0.4	0.4	0.1
		277.60	277.60	277.90
East Side				
North Side Palm	277.0	0.4	0.5	0.5
		276.60	276.50	276.50

25' North Palm	277.17	0.4	0.5	0.5
		276.77	276.67	276.67
50' " "	277.33	0.4	0.5	0.6
		276.93	276.83	276.73
75' " "	277.50	0.3	0.5	0.5
		277.20	277.00	277.00
100' " "	277.67	0.3	0.4	0.5
		277.37	277.27	277.17
125' " "	277.83	0.4	0.5	0.4
		277.43	277.33	277.43
150' " "	278.00	0.3	0.4	0.4
		277.70	277.60	277.60
175' " "	278.17	0.3	0.3	0.5
		277.87	277.87	277.67
200' " "	278.33	0.5	0.4	0.5
		277.83	277.93	277.83
225' " "	278.50	0.5	0.3	0.4
		278.00	278.20	278.10
250' " "	278.67	0.5	0.5	0.4
		278.17	278.17	278.27
275' " "	278.83	0.5	0.5	0.6
		278.33	278.33	278.23
South Side Quince	279.00	0.5	0.6	0.6
		278.50	278.40	278.40
West Side				
North Side Quince	278.0	0.4	0.4	0.2
		277.60	277.60	277.80
25' North Quince	278.08	0.5	0.3	0.1
		277.58	277.78	277.98
50' " "	278.16	0.3	0.3	0.2
		277.86	277.86	277.96
75' " "	278.24	0.3	0.3	0.2
		277.94	277.94	278.04
100' " "	278.33	0.4	0.4	0.1
		277.93	277.93	278.23

125' North Quince	278.41	0.2	0.3	0.0
		278.21	278.11	278.41
150' " "	278.49	0.2	0.2	0.0
		278.29	278.29	278.49
175' " "	278.58	0.3	0.3	0.0
		278.28	278.28	278.58
200' " "	278.66	0.3	0.2	0.2
		278.36	278.46	278.46
225' " "	278.74	0.3	0.3	0.2
		278.44	278.44	278.54
250' " "	278.83	0.4	0.3	0.3
		278.43	278.53	278.53
275' " "	278.91	0.1	0.3	0.2
		278.81	278.61	278.71
South Side Redwood	279.00	0.3	0.4	0.4
		278.70	278.60	278.60
East Side				
North Side Quince	279.0	0.4	0.5	0.6
		278.60	278.50	278.40
25' North Quince	279.08	0.6	0.4	0.4
		278.48	278.68	278.68
50' " "	279.16	0.4	0.4	0.4
		278.76	278.76	278.76
75' " "	279.24	0.5	0.4	0.4
		278.74	278.84	278.84
100' " "	279.33	0.4	0.5	0.4
		278.93	278.83	278.93
125' " "	279.41	0.4	0.3	0.3
		279.01	279.11	279.11
150' " "	279.49	0.5	0.4	0.4
		278.99	279.09	279.09
175' " "	279.58	0.5	0.4	0.4
		279.08	279.18	279.18
200' " "	279.66	0.5	0.3	0.4
		279.16	279.36	279.26

225' North Quince	279.74	0.4 279.34	0.5 279.24	0.5 279.24
250' " "	279.83	0.5 279.33	0.4 279.43	0.4 279.43
275' " "	279.91	0.5 279.41	0.3 279.61	0.4 279.51
South Side Redwood	280.00	0.4 279.60	0.4 279.60	0.4 279.60

West Side

North Side Redwood

25' North "

50' " "

75' " "

100' " "

125' " "

150' " "

175' " "

200' " "

225' " "

250' " "

275' " "

South Side Spruce

East Side

North Side Redwood

25' North "

50' " "

75' " "

100' " "

125' " "

150' " "

175' " "

200' " "

225' " "

250' " "

275' " "

South Side Spruce

10/23/02 - d'Hemecourt
Fortmer
Davis,

Fifth St, Guttering. -

"A" St, Intersection. -

B.M.	7.28	74.94	67.66

East line of 5th.

Curb, So. side.	9.7	65.24
2'	9.8	65.14
5'	9.3	65.64

1/4 - So. side. A.

Curb	9.3	65.64
2'	9.2	65.74
5'	8.7	66.24

Center A.

Curb.	8.6	66.34
2'	8.5	66.44
5'	8.2	66.74

1/4 No. side A.

Curb.	8.2	74.94	66.74
2'	8.0		66.94
5'	7.8		67.14

Curb No. side.

Curb.	8.0	66.94
2'	7.9	67.04
5'	7.7	67.24

West side 5th,

Curb So. side.

Curb	9.5	65.44
2'	9.5	65.44
5'	9.5	65.44

1/4 So. side A.

Curb	8.9	66.04

2'	8.9	74.94		66.04
5'	8.9			66.04

Center "A" ~~No~~,

Curb	8.7			66.24
2'	8.6			66.34
5'	8.5			66.44

1/4 No, side A.

Curb	8.3			66.64
2'	8.3			66.64
5'	8.2			66.74

Curb No, side A.

Curb	8.4			66.54
2'	8.0			66.94
5'	7.8			67.14

T.P.	11.37	0.89	85.42 ✓	74.05 ✓

Curb So. side ash (W, 5th,)

Curb	8.8	85.42		76.62
2'	8.6			76.82
5'	8.2			77.22

1/4 So, side ash (W, 5th,)

C.	8.1			77.32
2'	8.2			77.22
5'	8.0			77.42

Center ash (W, 5th,)

C.	7.7			77.72
2'	7.6			77.82
5'	7.4			78.02

1/4 No. side Ash. (W. 5th.)

b.	7.0	85.42	78.42
2'	6.9		78.52
5'	6.8		78.62

Cent. No. side Ash. (W. 5th.)

b.	7.0	78.42
2'	6.8	78.62
5'	6.5	78.92

Cent. So. side Ash. (E. 5th.)

b.	7.9	77.52
2'	7.5	77.92
5'	7.3	78.12

1/4 So. side Ash. (E. 5th.)

b.	7.3	85.42	78.12
2'	7.3	85.42	78.12
5'	7.1		78.32

Center Ash. (E. 5th.)

b.	7.0	78.42
2'	7.1	78.32
5'	6.7	78.72

1/4 No. side Ash. (E. 5th.)

b.	6.9	78.52
2'	6.6	78.82
5'	6.2	79.22

Cent. No. side Ash. (E. 5th.)

b.	5.9	79.52
2'	6.3	79.12
5'	5.9	79.52

No. line ash (W. 5th.)

b.	6.7	85.42	78.72
2'	6.7		78.72
5'	6.3		79.12

25' No. of ash, (W. 5th.)

b.	5.3	80.12
2'	5.4	80.02
5'	4.8	80.62

50' No. of ash. (W. 5th.)

b.	3.9	81.52
2'	4.1	81.32
5'	3.5	81.92

75' No. of Ash (W. 5th.)

b.	2.9	82.52
2'	2.9	82.52
5'	2.3	85.42	83.12

100' No. of ash (W. 5th.)

b.	1.2	84.22
2'	1.4	84.02
5'	1.0	84.42

No. side of ash (E. 5th.)

b.	5.3	80.12
2'	5.6	79.82
5'	5.1	80.32

25' No. of ash (E. 5th.)

b.	4.2	81.22
2'	4.3	81.12
5'	3.7	81.72

50' No. of Ash. (E. 5th.

b.	2.7	82.72

2'		3.0	85.42	82.42
5'		2.6		82.82

75' No. of Ash (E. 5th.)

b.		1.7		83.72
2'		1.7		83.72
5'		1.4		84.02

100' No. of Ash. (E. 5th.)

b.		0.2		85.22
2'		0.4		85.02
5		0.3		85.12
T.P.	8.58	93.27	0.73	84.69 ✓

125' No. of Ash. (E. 5th.)

b.		7.1		86.17
2'		7.3		85.97
5'		6.6		86.67

150' No. of Ash (E. 5th.)

b.		5.5		87.77
2'		5.7		87.57
5'		5.1	93.27	88.17

175 ft. No. of Ash. (E. side.

b.		4.0		89.27
2'		4.4		88.87
5'		3.9		89.37

200' No. of Ash (E. 5th.)

b.		2.8		90.47
2'		2.9		90.37
5'		2.1		91.17

225' No. of Ash (E. 5th.)

b.		1.6		91.67
2'		1.3		91.97
5'		0.9		92.37

125' No. of Ash (W. 5th.)

b.		7.4		85.87
2'		7.6		85.67
5'		7.4		86.07

150' No. of Ash, (W. 5th)

b.	5.9	93.27	87.37
2'	6.2		87.07
5'	5.8		87.47

~~150~~ 175' No. of Ash, (W. 5th)

b.	4.7		88.57
2'	4.7		88.57
5'	4.4		88.87

200' No. of Ash (W. 5th)

b.	3.4		89.87
2'	3.4		89.87
5'	3.1		90.17

225' No. of Ash, (W. 5th)

b.	1.8		91.47
2'	1.9		91.37
5'	1.4		91.87

250' No. of Ash, (W. 5

T.P.	11.90	1.92 103.25	91.35
b.	10.6	103.25	92.65
2'	10.6		92.65
5'	10.2		93.05

275' No. of Ash, (W. 5th.)

b.	9.2		94.05
2'	9.2		94.05
5'	8.9		94.35

So. line of Beech (W. 5th.)

b.	7.9		95.35
2'	8.1		95.15
5'	7.9		95.35

250' No. of Ash, (E. side.)

b.	10.1		93.15
2'	10.0		93.25
5'	9.7		93.55

275' No. of Ash (E. side.)

b.	8.8		94.45
2'	8.8		94.45

5'	8.3	103.25	94.95
So. line Beech. (E. 5th.)			
Curb.	7.1		96.15
2'	7.5		95.75
5'	7.3		95.95
Gutter So. side Beech. (E. 5th.)			
b.	7.2		96.05
2'	7.2		96.05
5'	6.8		96.45
1/4 So. side Beech (E. 5th.)			
b.	7.1		96.15
2'	6.9		96.35
5'	6.5		96.75
Center Beech. (E. 5th.)			
b,	6.7		96.55
2'	6.7		96.55
5'	6.2		97.05
1/4 No. side Beech. (E. 5th.)			
b,	6.2	103.25	97.05
2'	6.0		97.25
5'	5.6		97.65
Gutter No. side Beech (E. 5th.)			
b,	5.8		97.45
2'	5.7		97.55
5'	5.3		97.95
Gutter So. side Beech. (W. 5th.)			
b,	7.7		95.55
2'	7.5		95.75
5'	7.1		96.15
1/4 So. side Beech (W. 5th.)			
b,	7.3		95.95
2'	7.0		96.25
5'	6.8		96.45
Center line Beech (W. 5th.)			
b,	6.9		96.35

2'	6.7	103.25	96.55
5'	6.5		96.75
¼ - No. side Beech (W. 5th.)			
b.	6.4		96.85
2'	6.4		96.85
5'	6.4		96.85
Gutter No. side Beech (W. 5th.)			
b.	6.2		97.05
2'	6.1		97.15
5'	5.8		97.45
No. line Beech. (W. 5th.)			
b.	5.6		97.65
2'	5.6		97.65
5'	5.3		97.95
25' No. of Beech (W. 5th.)			
b.	4.2		99.05
2'	4.3		98.95
5'	4.0		99.25

50' No. of Beech (W. 5th.)			
b.	2.8	103.25	100.45
2'	2.9		100.35
5'	2.6		100.65
75' No. of Beech (W. 5th.)			
b.	1.4		101.85
2'	1.4		101.85
5'	1.1		102.15
No. line of Beech (E. side.)			
b.	5.1		98.15
2'	5.4		97.85
5'	4.8		98.45
25' No. of Beech (E. side.)			
b.	3.6		99.65
2'	4.0		99.25
5'	3.7		99.55
50' No. of Beech (E. 5th.)			
b.	1.6		101.65

2'		2.1	103.25	101.15
5'		1.8		101.45

75' No. of Beech (E. 5th)

b.		0.5		102.75
2'		0.8		102.45
5'		0.6		102.65
T.P.	9.53	0.44	112.34	101.81

100' No. of Beech (E. 5th)

b.		8.5		103.84
2'		8.9		103.44
5'		8.7		103.64

125' No. of Beech (E. 5th)

b.		7.0		105.34
2'		7.4		104.94
5'		7.0		105.34

150' No. of Beech (E. 5th)

b.		5.9		106.44
2'		6.1		106.24
5'		5.7	112.34	106.64

175' No. of Beech (E. 5th)

b.		4.8		
2'		4.6	2	
5'		4.4		

200' No. of Beech (E. 5th)

b.		2.6		109.74
2'		2.9		109.44
5'		2.7		109.64

225' No. of Beech (E. 5th)

b.		1.1		111.24
2'		1.3		111.04
5'		1.4		110.94

100' No. of Beech (W. 5th)

b.		8.9		103.44
2'		9.2		103.14
5'		8.7		103.64

	125' No. of Beech, (W, 5th)			
b.		7.3	112.3	105.0
2'		7.5		104.8
5'		7.1		105.2
	150' No. of Beech (W, 5th)			
b,		5.7		106.6
2'		6.1		106.2
5'		5.6		106.7
	~~200'~~ 175' No. of Beech (W, 5th.)			
b,		4.2		108.1
2'		4.5		107.8
5'		4.2		108.1
	200' No. of Beech. (W, 5th.)			
b,		2.7		109.6
2'		3.1		109.2
5'		2.7		109.6
	225' No. of Beech (W, 5th			
b,		0.9		111.4
2'		1.5	112.3	110.8
5'		1.3		111.0
T.P.	9.87	0.84	121.37	111.50
	250' No. of Beech. (W, 5th.)			
b,		8.8		112.5
2'		8.9		112.4
5'		8.8		112.5
	275' No. of Beech. (W. 5th.)			
b,		7.3		114.0
2'		7.6		113.7
5'		6.9		114.4
	So. line of Cedar (W. 5th.)			
b,		5.9		115.4
2'		6.3		115.0
5'		6.0		115.3
	250' No. of Beech (E. side)			
b.		8.5		112.8
2'		9.0		112.3

5'	8.6	121,37	112.77

275' No. of Beech (E. side 5th.)

b.	6.8		114.57
2'	7.5		113.87
5'	7.0		114.37

So. line of Cedar (E. 5th.)

b.	5.6		115.77
2'	6.1		115.27
5'	5.6		115.77

Cent. So. side Cedar (E. 5th.)

b.	5.5		115.87
2'	5.5		115.87
5'	5.3		116.07

1/4 So. side Cedar (E. 5th.)

b.	5.0		116.37
2'	4.8		116.57
5'	4.5		116.87

Center of Cedar (E. 5th.)

b.	4.7	121,37	116.67
2'	4.3		117.07
5'	4.2		117.17

1/4 No. side Cedar (E. 5th.)

b.	4.4		116.97
2'	4.3		117.07
5'	4.0		117.37

Cent. No. side Cedar (E. 5th.)

b.	4.1		117.27
2'	4.1		117.27
5'	3.7		117.67

No. line Cedar (E. 5th.)

b.	3.2		118.17
2'	3.6		117.77
5'	3.2		118.17

Cent. So. side Cedar (W. 5th.)

b.	5.8		115.67

2'		6.1	121.37	115.27
5'		5.6		115.77
	1/4 So. side Cedar (W, 5th.)			
b.		5.2		116.17
2'		5.3		116.07
5'		5.2		116.17
	Center of Cedar (W, 5th.)			
b.		4.8		116.57
2'		4.9		116.47
5'		4.7		116.67
	1/4 No. side Cedar (W, 5th.)			
b.		4.6		116.77
2'		4.5		116.87
5'		4.0		117.37
	Cent. No. side Cedar (W, 5th.)			
b.		4.2		117.17
2'		4.0		117.37
5'		3.7		117.67

	No. line of Cedar (W, 5th.)			
b.		3.3	121.37	118.07
2'		3.6		117.77
5'		3.2		118.17
T.P.	8.15	2.40	127.12 ✓	118.97 ✓
	25' No. of Cedar (E. side.)			
b.		8.0		119.12
2'		8.3		118.82
5'		7.7		119.42
	50' No. of Cedar (E. 5th.)			
b.		6.8		120.32
2'		7.3		119.82
5'		7.1		120.02
	75' No. of Cedar (E. 5th.)			
b.		6.2		120.92
2'		6.3		120.82
5'		6.2		120.92

100' No. of Cedar. (E. 5th)

b.	5.1	127.12	122.02
2'	5.4		121.72
5'	5.0		122.12

125' No. of Cedar (E. 5th)

b.	4.6		122.52
2'	4.6		122.52
5'	4.1		123.02

150' No. of Cedar (E. 5th.)

b.	3.4		123.72
2'	3.5		123.62
5'	3.0		124.12

175' No. of Cedar (E. 5th.)

b.	2.0		125.12
2'	2.5		124.62
5'	2.2		124.92

200' No. of Cedar (E. 5th.)

b.	1.1		126.02
2'	1.3	127.12	125.82
5'	1.1		126.02

225' No. of Cedar (E. side.)

b.	0.6		126.52
2'	0.7		126.42
5'	0.4		126.72

25' No. of Cedar (W. side.)

b.	8.2		118.92
2'	8.5		118.62
5'	7.9		119.22

50' No. of Cedar (W. side.)

b.	7.2		119.92
2'	7.5		119.62
5'	6.9		120.22

75' No. of Cedar (W. side.)

b.	6.1		121.02
2'	6.5		120.62
5'	6.0		121.12

	100' No. of Cedar (W, 2nd.)			
b.		5.2	127.12	121.92
2'		5.4		121.72
5'		5.2		121.92
	125' No. of Cedar (W, 2nd.)			
b,		4.3		122.82
2'		4.3		122.82
5'		3.9		123.22
	150' No. of Cedar (W, 2nd,			
b,		3.2		123.92
2'		3.4		123.72
5'		2.9		124.22
	175' No. of Cedar (W, 5th.)			
b,		2.5		124.62
2'		2.6		124.52
5'		2.1		125.02
	200' No. of Cedar (W, 5th.)			
b,		1.4		125.72
2'		1.6	127.12	125.52
5'		1.2		125.92
T.P.	7.48	0.88	133.72	126.24 ✓
	225' No. of Cedar (W, 5th.)			
b,		7.0		126.72
2'		7.3		126.42
5'		7.2		126.52
	250' No. of Cedar (W, 5th.)			
b.		6.1		127.62
2'		6.3		127.42
5'		5.8		127.92
	275' No. of Cedar (W, 5th.)			
b.		4.9		128.82
2'		5.1		128.62
5'		5.0		128.72
	So. line of Date (W, 5th.)			
b,		4.7		129.52
2'		4.9		129.42

5'	H.1	133.72	129.62

250' No. of Cedar (E. 5th.)

b.	6.8		127.42
2'	6.8		127.42
5'	6.1		127.62

275' No. of Cedar (E. 5th.)

b.	5.3		128.42
2'	5.4		128.32
5'	5.0		128.72

So. side of ~~Cedar~~ Date (E. 5th.)

b.	H.2		129.52
2'	H.3		129.42
5'	H.1		129.62

Gutter So. side Date (E. 5th.)

b.	H.0		129.72
2'	3.9		129.82
5'	3.7		130.02

1/4 So. side of Date (E. 5th.)

b.	3.6	133.72	130.12
2'	3.7		130.02
5'	3.6		130.12

Center of Date (E 5th.)

b.	3.5		130.22
2'	3.5		130.22
5'	3.3		130.42

1/4 No. side Date (E. 5th.)

b.	3.1		130.62
2'	3.1		130.62
5'	3.0		130.72

Gutter No. side of Date (E. 5th.)

b.	3.0		130.72
2'	3.0		130.72
5'	2.8		130.92

Gutter So. side of Date (W. 5th.)

b.	H.0		129.72

2'		4.0	133.72	129.72
5'		3.8		129.92
	1/4 So. side Date (W, 5th)			
b.		3.8		129.92
2'		3.7		130.02
5'		3.7		130.02
	Center Date (W, 5th)			
b.		3.5		130.22
2'		3.5		130.22
5'		3.4		130.32
	1/4 No. side of Date (W, 5th)			
b.		3.1		130.62
2'		3.0		130.72
5'		3.0		130.72
	Gutter No. side Date (W, 5th)			
b.		3.1		130.62
2'		3.0		130.72
5'		2.9		130.82

B.M.		0.02		133.70 ✓
B.M.	4.93		138.61 ✓	133.68
T.P.	8.69	0.86	146.44 ✓	137.75 ✓
	Gutter So. side Elm (E. 5th)			
b.		6.6	146.44	139.84
2'		6.6		139.84
3'		5.8		140.64
	1/4 So. side Elm (E. 5th)			
b.		6.3		140.14
2'		6.3		140.14
3'		5.5		140.94
	Center Elm (E. 5th)			
b.		6.0		140.44
2'		6.0		140.44
3'		5.6		140.84
	1/4 No. side Elm (E. 5th)			
b.		5.7		140.74

2'		5.8	146.44	140.64
5'		5.2		141.24

Gutter No. side Elm (E. 5th)

b.		5.4		141.04
2'		5.4		141.04
5'		4.8		141.64

Gutter So. side Elm. (W. 5th)

b		6.5		139.94
2'		6.3		140.14
5'		5.9		140.54

1/4 So. side of Elm. (W. 5th)

b.		6.0		140.44
2'		6.0		140.44
5'		6.0		140.44

Center of Elm (W. 5th)

b.		5.6		140.84
2'		5.6		140.84
5'		5.6		140.84

1/4 No. side Elm (W. 5th)

b.		5.4	146.44	141.04
2'		5.4		141.04
5'		5.4		141.04

Gutter No. side Elm (W. 5th.)

b.		5.1		141.34
2'		5.1		141.34
5'		4.8		141.64

B.M.	4.19		164.46 ✓	160.27 ✓

Gutter So. side Fir (E. 5th)

b.		8.7	164.46	155.76
2'		8.6		155.86
5'		8.0		156.46

1/4 So. side Fir (E. side)

b.		8.2		156.26
2'		8.2		156.26
5'		7.8		156.66

Center of Fir (E. 5th)

b.	7.9	164.46	156.56
2'	7.9		156.56
5'	7.6		156.86

1/4 No. side Fir (E. 5th)

b.	7.7		156.76
2'	7.6		156.86
5'	7.4		157.06

Gutter No. side Fir (E. 5th)

b.	7.4		157.06
2'	7.3		157.16
5'	7.0		157.46

Gutter So. side fir (W. 5th)

b.	8.1		156.36
2'	8.0		156.46
5'	7.7		156.76

1/4 So. side Fir (W. 5th)

b.	7.5		156.96
2'	7.4	164.46	157.06
5'	7.2		157.26

Center Fir (W. 5th)

b.	7.2		157.26
2'	7.3		157.16
5'	6.9		157.56

1/4 No. side of Fir (W. 5th)

b.	6.9		157.56
2'	6.8		157.66
5'	6.6		157.86

Gutter No. side Fir (W. 5th)

b.	6.6			157.86
2'	6.6			157.86
5'	6.5			157.96
T.P.	11.39	1.16	174.69 ✓	163.30 ✓
T.P.	10.07	0.29	184.47 ✓	174.40 ✓

Gutter So. side Grape (W. 5th.

b.	8.4		176.07

2'	8.4	184.47	176.07
5'	8.1		176.37

1/4 So. side Grape (W, 5th,)

b,	8.0		176.47
2'	8.1		176.37
5'	7.7		176.77

Center of Grape (W. 5th,)

b,	7.6		176.87
2'	7.8		176.67
5'	7.4		177.07

1/4 No. side Grape (W, 5th,)

b.	7.3		177.17
2'	7.2		177.27
5'	6.9		177.57

Gutter No. side Grape (W. 5th,

b.	6.7		177.77
2'	6.8		177.67
5'	6.5		177.97

Gutter So. side Grape E. 5th,

b,	7.9	184.47	176.57
2'	8.0		176.47
5'	8.1		176.37

1/4 So. side Grape E. 5th,

b.	7.5		176.97
2'	7.7		176.77
5'	7.8		176.67

Center of Grape E. 5th,

b.	7.2		177.27
2'	7.5		176.97
5'	7.5		176.97

1/4 No. side Grape (E. 5th.)

b.	6.7		177.77
2'	7.3		177.17
5'	7.0		177.47

Gutter No. side Grape (E. 5th.)

b.	6.3		178.17

2'		6.8	184.47	177.67
5'		6.4		178.07
T.P.	8.81	0.75	192.53✓	183.72✓
T.P.	7.46	0.51	199.48✓	192.02✓

Gutter So. side Hawthorne (W, 5th)

b.		3.8	199.48	195.68
2'		3.9		195.58
5'		3.5		195.98

1/4 So. side Hawthorne (W, 5th.)

b.		3.4		196.08
2'		3.5		195.98
5'		3.1		196.38

Center of Hawthorne (W, 5th)

b.		3.0		196.48
2'		3.1		196.38
5'		2.6		196.88

1/4 No. side of Hawthorne (W, 5th

b)		2.5		196.98
2'		2.7	199.48	196.78
5'		2.2		197.28

Gutter No. side of Hawthorne (W, 5th)

b.		1.9		197.58
2'		2.2		197.28
5'		1.7		197.78

9/1/02 Levels on Pipe Line for Mr Baker

Crowell Fortune at Lemon Grove

+	−	D.H	Rod	Elev	
5.60	11.52	205.60		200	outlet: assumed elev
0.38	11.48	194.46		194.08	
1.32	11.35	184.30		182.98	
0.22	11.41	173.17		172.95	
0.65	11.71	162.41		161.76	
1.78	10.88	152.48		150.70	
1.58	11.97	143.18		141.60	
1.17	11.34	132.38		131.20	
0.31	9.11	121.35		121.04	
7.92	1.03	120.16		112.24	first low swale
6.88	8.20	126.01		119.13	
3.82	8.22	121.63		117.81	end Wood Pipe
7.72	5.65	121.13		113.41	
1.45	11.62	116.93		115.48	
2.21	10.92	107.52		105.31	
1.72	11.95	98.32		96.6	
1.38	11.78	87.75		86.37	

5.22	0.75	81.19	75.97
10.97	0.38	91.41	80.44
11.48		102.51	

102.51
0.81
101.70

81.19
8.45
72.74

200.00
72.74
127.26

105.49
3.55
96.61

89.87
2.30
92.17
10.18
81.99
6.65
88.63
5.80
82.83
10.37
93.20
4.08
89.12
11.37
100.49

96.60
1.72
98.32
11.95
86.37
1.38
87.75
11.78
75.97
5.22
81.19
0.75
80.44
10.97
91.41
0.38
91.03
11.48
102.51

253.17
247.75
5.42

251.21
5.78
256.99
7.93
249.04
3.71
253.75
9.58
243.17
2.50
245.67

253.17
248.83
4.34

9.11

249.04
3.12
254.16
253.17
247.10
6.07
5.58
.49

253.17
249.50
3.67

253.17
247.75
5.42
4.8
.6

251.21

253.17
247.50
5.67

253.17
243.50
9.67

253.17
243.85
9.92

253.17
242.85
10.32
8.92
1.40

253.17
247.75
5.42

253.17
245.50
7.67
6.5
1.17

49.06
11.42
60.48
1.03
59.45
11.18
70.63
0.78
69.85
11.66
81.51
0.88
80.63
8.50
89.13
3.38
86.05

253.17
247.10
6.07

253.17
244.77
8.40

253.17
245.35
7.82
6.1
1.7

249.04
4.13

253.17 = 4.1
248.60
4.57

253.17
249.00
4.17

253.17
248.60

253.17
249.25
3.92

253.17
247.85
5.82

253.17
246.70
6.47

253.17
245.17
8.00

253.17
245.42
7.75

25.32
8.38
17 01

17.10
3.25
13 85

28.82
7.88
20 94

18.11
5.66
12.45

12.81
7.90
20.71
0.73
19.98
11.14
31.12
2.11
29.01
5.57
34.58

13.88
3.29
17.17
2.58
14.59
16.73
25.32
11.17
14.15
0.33
14.48
4.88
10,00
8.11
18.11
8.18
9.93
8.41
18.34
0.42
17.92
8.41
26.33
2.44
23.89
6.58
30.47
9.54
20.93
2.99
23.92
11.11
12.81

152.48
10.88
141.60
1.58
143.18
11.97
131.21
1.17
132.38
11.34
121.04
6.31
127.35
9.11
112.24
7.92
120.16
1.03
119.13
6.88
126.01
8.20
117.81
3.82
121.63
8.22
113.41
7.72
121.13
5.65
115.48
1.45
116.93
11.62
105.31
2.21
107.52
12.92
9660

253.17
245.67
7.50
6.5
1.00

16.75
87.75
10.62
mpipes 77.13

13.06
11.21
24.27
4.05
20.22
8.60
28.82
7.88
20.94
11.50
32.44
0.75
31.69
11.71
43.40
0.92
42.48
11.91
54.39
11.20
43.19
2.05
45.24
11.26
33.98
1.12
35.10
11.72
23.38
0.58
23.96
10.32
13.64
3.49
17.13
1.78
15.35

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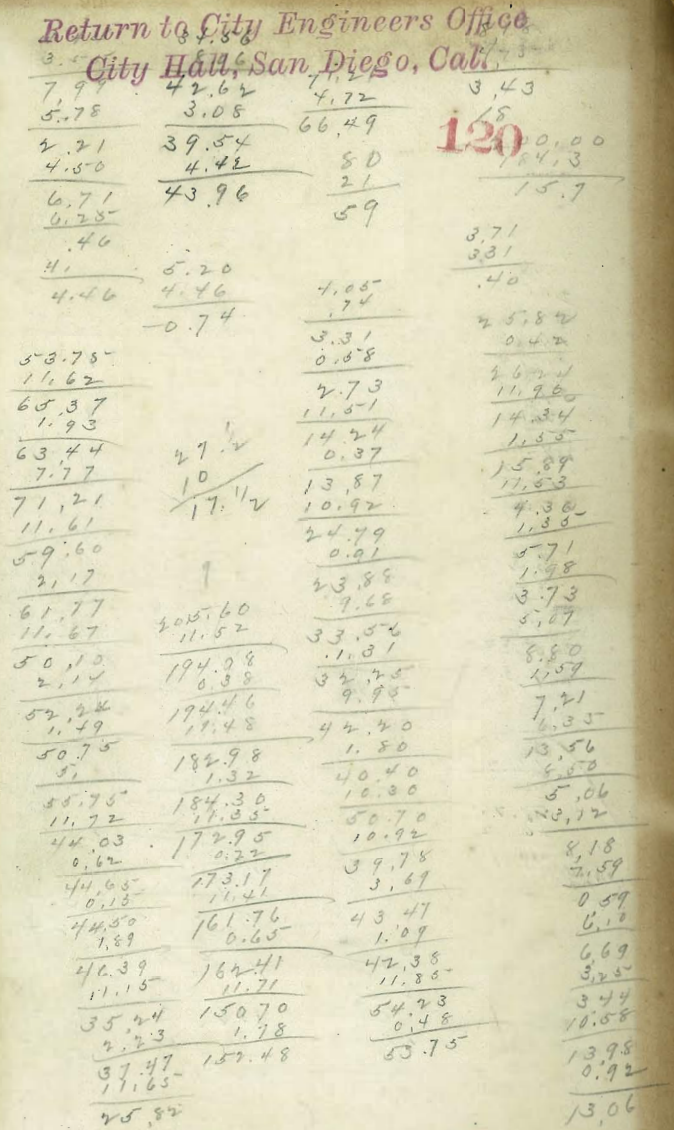

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Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

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

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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
0		0		0		0	
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