= Survey of Boulevards =

LEVEL Notes: From the Old Town Bridge to Pacific Beach etc.

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From the Race Track, through Pacific Beach, La Jolla to the Torrey Pines.

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West of Motor Track, from Sta. 182+08.5 ("Main line") to Prospect and Ravina. La Jolla.

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LEVEL

Benches North of the River

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F.B. 126

City Hall, San Diego, Cal.

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TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees	DEGREES. Lat.	DEGREES. Dep.	¼ DEGREE. Lat.	¼ DEGREE. Dep.	½ DEGREE. Lat.	½ DEGREE. Dep.	¾ DEGREE. Lat.	¾ DEGREE. Dep.	Degrees
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.92	78.26	62.25	77.99	62.59	51
39	77.71	62.94	77.44	63.28	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.		

Published by H. S. Crocker Company, Stationers, Drawing Materials, Mathematical Instruments, etc., San Francisco.

MICROFILMED
DEC 07 1964

126

Level notes -
Survey of
Boulevards

Book no 126

name. date.

11/29/01
Rumsey
Kerr
Daley

1

Levels from the Old Town (1) Bridge, to Pacific Beach etc.
Description of Bencher on page 155

Sta.	+	0	−	Rod	Elev.
B.M. (#1)	5.98	17.96			11.98
T.P.	4.83	19.80	2.99		14.97
T.P.	4.56	19.32	5.04		14.76
"	6.79	21.68	4.43		14.89
"	8.30	25.51	4.47		17.21
B.M. (#2)				2.27	23.24 ✓
T.P.	5.46	26.90	4.07		21.44
"	3.40	27.03	3.27		23.63
"	2.73	18.96	10.80		16.23
B.M. (#3)	3.53	14.40	8.09		10.87
T.P.	11.49	25.84	0.05		14.35
"	11.44	36.95	0.33		25.51
B.M. (#4)				8.28	28.67 ✓
T.P.	11.67	48.36	0.26		36.69
"	11.47	59.83	0.00		48.36
"	8.83	68.23	0.43		59.40 ✓
B.M. (#5)				6.37	61.86 ✓
	100.48		44.23		

25.51
2.27
23.24

36.95
8.28
28.67

1

2

Sta.	+	0	−	Rod	Elev.
T.P.	3.71	61.70	10.24		57.99
"	6.18	63.31	4.57		57.13
B.M. (#6)				3.06	60.25
T.P.	0.63	53.97	9.97		53.34
"	0.37	42.88	11.46		42.51
"	0.46	31.82	11.52		31.36
"	0.34	20.31	11.85		19.97
B.M. (#7)				7.00	13.31 ✓
T.P.	2.39	12.28	10.42		9.89
"	8.43	16.92	3.79		8.49
B.M. (#8)				4.26	12.66 ✓
T.P.	4.05	13.03	7.94		8.98
"	6.17	15.83	3.37		9.66
"	9.79	20.00	5.62		10.21
"	8.24	27.77	0.47		19.53
"	1.16	26.59	2.34		25.43
"	2.18	16.79	11.98		14.61
	54.10		105.54		

(3)

Sta.	+	⊖	−	Rod	Elev.
B.M. (#9)				0.92	15.87 ✓
T. P.	2.31	8.88	10.22		6.57
"	4.30	10.28	2.90		5.98
B.M. (#10)				4.34	5.94 ✓
T. P.	7.82	17.41	0.69		9.59
"	3.53	13.32	7.62		9.79
T. P.	4.50	13.77	4.05		9.27
B.M. (#11)			4.22		9.55 ✓
	22.46		29.70		

11/30/'01 Levels for Road from the Race Track through Pacific Beach, to Jolla
Rumsey Kerr Daley to the Torrey Pines

Sta.	+	⊖	−	Rod	Elev.
B.M. (#11)	4.22	13.77			9.55
0				5.2	8.57
+50				4.9	9.28
1				4.7	9.30
+50				4.4	9.37
2				4.2	9.57
+55 △				4.3	9.47
3				4.1	9.67
+50				3.7	10.07
4+15 △				3.2	10.57
+50				2.5	11.20
5				1.5	12.20
T. P.	6.57	18.91	1.43		12.34 ✓
+50				5.9	13.01
6				5.6	13.31
7				5.6	13.31
+50				5.5	13.41
	10.79		1.43		

Sta.	+	⊙	−	Rod	Elev.
8 △				5.2	13.92
+50				4.9	14.20
9				4.3	14.61
+50				4.0	14.91
10				3.8	15.11
+65 △				2.5	16.41
11				1.9	17.01
+50				1.2	17.71
12				1.0	17.91
+50				0.9	18.01
T.P.	2.24	20.42	0.73		18.18
13				2.4	18.02
+50				2.2	18.20
+12.3 △				1.9	18.52
14				2.0	18.42
B.M. (#12)				1.21	19.21
+50				4.5	15.97

Sta.	+	⊙	−	Rod	Elev.
15 East Mail P.O. Track				5.2	15.22
				5.8	14.62
+50				6.7	13.72
+70				8.2	12.22
16				8.4	12.02
+50				9.2	11.22
17				10.0	10.42
+50				10.0	10.42
18				10.7	9.72
+50				10.2	10.22
T.P.	3.84	14.26	10.00		10.42
19				4.0	10.26
+50				4.4	9.86
20				5.0	9.26
+50				4.9	9.36
21				4.8	9.46
+50				5.0	9.26

Sta.	+	⊙	−	Rod	Elev.
22				5.0	9.26
+50				4.5	9.76
23				4.8	9.46
+50				5.0	9.26
24				3.5	10.76
+50				4.7	9.56
25				5.5	8.76
+50				5.5	8.76
Plug +83 T.P. △	6.90	15.56	5.60	5.6	8.66
on rail East end bridge				1.1	14.46
on rail west end bridge				0.9	14.66
26 +50				6.0	9.56
27				5.4	10.16
+50				5.0	10.56
28				5.0	10.56
+29.2 △				4.9	10.66
+50				5.0	10.56

Sta.	+	⊙	−	Rod	Elev.
29				5.1	10.46
+50				5.5	10.06
30				5.9	9.66
+11 △				5.9	9.66
+50				6.2	9.36
31				6.2	9.36
+50				5.9	9.66
32+01.4 △				4.6	10.96
+22				3.3	12.26
+29				3.9	11.66
on rail				0.7	14.86
Centr track +41				0.8	14.76
+50				1.6	13.96
T. P.	11.54	25.62	1.48		14.08
33				9.3	16.32
B.M. (#13)				8.57	17.05 ✓
+50				5.7	19.92

Sta.	+	⊙	−	Rod	Elev.
+76.4				4.2	21.42
34				2.3	23.32
T. P.	11.64	37.26	0.00		25.62
+50				10.3	26.96
35				7.9	29.36
+50				4.5	32.76
36				0.5	36.76
T. P.	11.48	48.93	0.41		36.45
+50				6.6	41.73
37				0.7	47.63
T. P.	11.58	59.24	0.67		47.66
+50				8.4	50.84
38				4.4	54.84
+50				2.5	56.74
Center 12th St Alabama +84				1.2	58.04
39				0.8	58.44
B.M (#14)				1.66	57.58
	24.90		1.08		

Sta.	+	⊙	−	Rod	Elev.
T. P.	10.73	69.25	0.72		58.52
+50				9.7	59.55
40				8.7	60.55
+50				7.6	61.65
41				5.4	63.85
+50				6.3	62.95
42				7.8	61.45
+50				4.9	64.35
T. P.	5.48	73.91	0.82		68.43
43				3.9	70.01
+50				1.4	72.51
+85				2.2	71.71
44				4.3	69.61
+50				4.7	69.21
+72				3.0	70.91
+91				2.6	71.31
45				3.1	70.81
	16.71		1.54		

Stn.	+	⊙	−	Rod	Elev.
+50				7.7	66.21
46				11.4	62.51
T.P.	9.65	72.47	11.09		62.82
+50				10.5	61.97
47				13.0	59.47
+50				11.8	60.67
+80				10.0	62.47
48				7.5	64.97
+32				2.7	69.77
T.P.	11.47	82.42	1.52		70.95
+50				11.4	71.02
49				9.0	73.42
+50				2.7	79.72
T.P.	8.68	89.99	1.11		81.31
+82				7.9	82.09
50				7.5	82.49
+50				6.9	83.09
	20.80		13.72		

Stn.	+	⊙	−	Rod	Elev.
51				6.5	83.49
+50				6.0	83.99
52				5.9	84.09
+50				5.5	84.49
53				4.8	85.19
+50				4.3	85.69
54				4.7	85.29
+50				5.2	84.79
55				4.6	85.39
+50				5.6	84.39
56				4.4	85.59
T.P.	10.07	98.84	1.22		88.77
+50				8.2	90.64
+75				6.6	92.24
57				6.1	92.74
+50				6.4	92.44
58				6.6	92.24

Sta.	+	⊙	−	Rod	Elev.
+50				5.5	93.34
59				2.8	96.04
T. P.	3.80	101.17	1.47		97.37
+21				3.1	98.07
+50				2.6	98.57
60				1.6	99.57
+33				1.4	99.77
+50				2.2	98.97
+73				5.1	95.07
61				6.2	94.97
+22				6.0	94.17
+50				4.5	96.67
+78				5.8	95.37
62				7.8	93.37
B.M. (#15)				3.02	98.15
+50				10.6	90.57
T. P.	4.89	95.12	10.94		90.23
	8.69		12.41		

Sta.	+	⊙	−	Rod	Elev.
63				7.5	87.62
+50				6.9	88.22
64				6.5	88.62
+50				6.3	88.82
65				5.3	89.82
+50				4.9	90.22
66				4.1	91.02
+50				3.2	91.92
+77				2.8	92.32
67				0.4	94.72
T. P.	10.45	105.07	0.50		94.62
+50				10.8	94.27
+77				11.7	93.37
68				11.0	94.07
+24				8.9	96.17
+50				6.1	98.97
69				5.0	100.07

(15)

Sta.	+	⊙	−	Rod	Elev.
+50				3.7	101.37
70				1.9	103.17
+50				0.3	104.77
T. P.	6.44	111.11	0.40		104.67
71				5.4	105.71
+50				4.7	106.41
72				4.6	106.51
+50				4.7	106.41
73				4.5	106.61
+50				5.0	106.11
N. Lwr 11th St 74 +01.2 △				4.8	106.31
B.M. (#16)				3.38	107.73 ✓
+50				3.6	107.51
75				4.8	106.31
+50				5.7	105.41
76				6.5	104.61
+50				6.8	104.31

(16)

Sta.	+	⊙	−	Rod	Elev.
77				6.5	104.61
T. P.	8.71	113.37	6.45		104.66
+50				8.4	104.97
78				7.5	105.87
+50				6.2	107.17
79				4.8	108.57
+50				3.5	109.87
80				3.8	109.57
+50				5.4	107.97
81				7.7	105.67
+50				10.3	103.07
T. P.	1.01	104.03	10.35		103.02
82				3.7	100.33
+50				6.1	97.93
83				8.0	96.03
+50				9.2	94.83
84				9.7	94.33
	9.77		16.80		

Sta.	+	⊙	−	Rod	Elev.
+50				9.8	94.25
+81 △				10.1	93.93
B.M.(#17)	0.63	94.55	10.11		93.92 ✓
85+50				1.4	93.15
86				2.7	91.85
+50				3.2	91.35
87				3.9	90.65
+50				5.0	89.55
88				5.8	88.75
+50				6.4	88.15
89				6.9	87.65
+50				7.7	86.85
90				7.9	86.65
+50				9.3	85.25
91				10.9	83.65
T.P.	0.96	84.00	10.91		83.64
+50				1.7	82.30
	0.99		21.02		

Sta.	+	⊙	−	Rod	Elev.
92				3.1	80.90
+50				4.4	79.60
93				5.4	78.60
+50				5.9	78.10
94				6.4	77.60
+50				6.6	77.40
95				6.7	77.30
+50				6.8	77.20
96				6.7	77.30
+50				7.1	76.90
97				7.1	76.90
+50				7.5	76.50
98				7.8	76.20
+50				8.4	75.60
99				9.5	74.50
+50				10.2	73.80
100				10.5	73.50

Sta.	+	⊙	−	Rod	Elev.
T.P.	1.43	74.80	10.63		73.37
+50				2.5	72.30
101				3.2	71.60
+50				3.9	70.90
102				4.1	70.70
+50				4.5	70.30
103				4.6	70.20
+50				5.1	69.70
104				5.1	69.70
+50				5.5	69.30
105				5.9	68.90
+50				6.2	68.60
106				7.0	67.80
+50				7.3	67.50
107				7.1	67.70
+50				7.6	67.20
108				7.8	67.00

Sta.	+	⊙	−	Rod	Elev.
+50				8.3	66.50
T.P.	0.91	67.44	8.27		66.53
109				1.3	66.14
+50				1.8	65.64
110				2.5	64.94
+50				2.9	64.54
111				3.8	63.64
+50				4.3	63.14
112				4.6	62.84
+50				4.9	62.54
113				5.3	62.14
+50				5.8	61.64
114				5.8	61.64
+50				6.3	61.14
115				6.8	60.64
+50				7.5	59.94
116				8.1	59.34

Sta.	+	⊙	−	Rod	Elev.
+50				8.9	58.54
117				9.7	57.74
T. P.	0.25	58.07	9.62		57.82
+50				1.2	56.87
118				2.6	55.47
+50				3.1	54.97
119				3.8	54.27
+50				4.3	53.77
120				4.9	53.17
+50				5.8	52.27
121				6.7	51.37
+50				7.1	50.97
122				8.3	49.77
+50				9.2	48.87
123				10.0	48.07
+50				10.5	47.57
124				11.3	46.77

Sta.	+	⊙	−	Rod.	Elev.
+50				11.0	47.07
125				12.1	45.97
T. P.	0.37	46.63	11.81		46.26
+50				1.3	45.33
126				2.2	44.43
+50				2.9	43.73
127				3.7	42.93
+50				4.3	42.33
128				4.6	42.03
+50				5.6	41.03
129				6.2	40.43
+50				6.8	39.83
130				7.1	39.53
+50				7.7	38.93
131				8.0	38.63
+50				8.9	37.73
Cont. 2nd + Alabama +76				9.3	37.33

Sta.	+	⊙	−	Rod	Elev.
B.M (#18)				10.27	36.36
132				8.7	37.93
+50				7.8	38.83
133				6.6	40.03
+50				5.7	40.93
134				4.8	41.83
T.P.	11.85	53.91	4.57		42.06
+50				10.8	43.11
135				9.8	44.61
+50				8.5	45.41
136				7.4	46.51
+50				6.3	47.61
137				5.2	48.71
+50				4.2	49.71
138				2.9	51.01
+50				2.1	51.81
139				1.0	52.91

Sta.	+	⊙	−	Rod	Elev.
T.P.	11.05	64.13	0.84		53.07
+50				10.3	53.82
140				9.2	54.92
+50				8.1	56.02
141				7.1	57.02
+50				6.0	58.12
142				5.1	59.02
+50				3.9	60.22
143				3.6	60.52
+50				2.7	61.42
144				1.9	62.22
+50				0.6	63.52
T.P.	11.02	74.58	0.56		63.56
145				9.7	64.88
+50				8.2	66.38
146				6.8	67.78
+50				5.6	68.98
	33.07		1.40		

(25)

Sta.	+	o	−	Rod	Elev.
147				4.4	70.18
+50				3.2	71.38
148				1.9	72.68
+50				0.6	73.98
T.P.	10.87	84.79	0.66		73.92
149				9.6	75.19
+50				8.4	76.39
150				7.1	77.69
+50				5.3	79.49
151				4.0	80.79
+50				2.6	82.19
152				1.2	83.59
T.P.	11.41	95.15	1.05		83.74
+50				10.2	84.95
153				9.7	85.45
+44.4△				9.3	85.85
154				7.7	87.45
	22.28		1.71		

Sta.	+	o	−	Rod	Elev.
+50				6.8	88.35
+85.7△				7.0	88.15
155				6.5	88.65
+50				4.9	90.25
156				4.1	91.05
+50				2.2	92.95
157				1.9	93.25
+50				1.3	93.85
158				0.2	94.95
T.P.	11.33	106.01	0.47		94.68
+50				10.2	95.81
159				9.0	97.01
+50				7.8	98.21
160				7.3	98.71
+50				6.9	99.11
161				6.5	99.51
+50				6.3	99.71

Sta.	+	⊙	−	Rod	Elev.
162				5.0	101.01
+50				0.5	105.51
T.P.	11.55	116.63	0.93		105.08
163				9.0	107.63
+50				8.5	108.13
164				6.5	110.13
+50				3.9	112.73
165				1.8	114.83
T.P.	8.19	123.72	1.10		115.53
+50				7.2	116.52
166				4.2	119.52
+50				2.3	121.42
167				0.4	123.32
T.P.	4.24	127.33	0.63		123.09
+50				2.7	124.63
+83.6 A				0.7	126.63
168				0.9	126.43
	23.98		2.66		

Sta.	+	⊙	−	Rod	Elev.
+50				2.2	125.13
169				3.5	123.83
+50				5.2	122.13
170				7.0	120.33
+50				7.9	119.43
171				8.6	118.73
+50				9.7	117.63
Beginning of graded road 172				11.5	115.83
T.P.	0.84	116.59	11.58		115.75
+50				3.5	113.09
173				5.9	110.69
+50				8.8	107.79
174				11.8	104.79
T.P.	1.57	106.48	11.68		104.91
B.M. (#19) Flow Bridge				0.34	106.14
+50				3.85	102.63
175				3.5	102.98
	2.41		23.26		

Sta.	+	⊙	−	Rod	Elev.
+50				3.9	102.58
176				4.5	101.98
+50				5.8	100.68
177				6.8	99.68
+50				7.6	98.88
178				8.6	97.88
+50				8.5	97.98
179				9.3	97.18
+50				11.1	95.38
T. P.	1.00	96.69	10.79		95.69
180				2.3	94.39
+50				3.2	93.49
181				5.0	91.69
+50				6.7	89.99
182				8.6	88.09
B.M. (#20)				10.96	85.73
T. P.	7.22	95.42	8.49		88.20
	8.22		10.78		

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Sta.	+	⊙	−	Rod	Elev.
+08.5				7.8	87.62
+50				7.7	87.72
183				7.7	87.72
+50				8.0	87.42
184				8.2	87.22
+50				8.5	86.92
185				8.7	86.72
+50				9.5	85.92
186				9.7	85.72
+50				9.8	85.62
187				10.4	85.02
+50				10.5	84.92
188				10.6	84.82
+50				10.4	85.02
189				10.0	85.42
+50				10.0	85.42
190				9.8	85.62

Sta.	+	⊙	−	Rod	Elev.
T.P.	9.33	95.13	9.62		85.80
+50				9.7	85.43
191				9.5	85.63
+50				9.4	85.73
192				9.0	86.13
+50				9.0	86.13
193				8.9	87.23
+50				9.9	85.23
194				9.2	85.93
+50				9.6	85.53
195				10.0	85.13
+50				10.7	84.43
196				10.8	84.33
+50				11.2	83.93
197				11.0	84.13
T.P.	10.08	93.88	11.33		83.80
+50				10.7	83.68
	19.41		20.95		

Sta.	+	⊙	−	Rod	Elev.
198				10.1	83.78
+50				10.6	83.28
199				10.6	83.28
+50				10.2	83.68
200				9.9	83.98
+50				9.0	84.88
201				9.1	84.78
+50				8.9	84.98
202				9.0	84.88
+50				8.4	85.48
203				8.1	85.78
+50				7.6	86.28
204				7.6	85.28
T.P.	10.28	96.74	7.42		86.46
+50				10.5	86.24
205				10.4	86.34
+50				9.7	87.04

Sta.	+	⊙	−	Rod	Elev.
206				8.9	87.84
+50				8.9	87.84
207				8.7	88.04
+50				8.2	88.54
P.C. B.M. (#21)				11-90	84.84
208				7.3	89.44
+50				6.8	89.94
209				5.7	91.04
+50				5.0	91.74
210				4.0	92.74
+50				4.0	92.74
211				3.6	93.14
T.P.	7.63	100.94	3.43		93.31
+50				7.1	93.84
212				6.8	94.14
+50				6.4	94.54
213				6.7	94.24

Sta.	+	⊙	−	Rod	Elev.
+50				7.2	93.74
214				7.7	93.24
+50				7.8	93.14
215				8.8	92.14
+50				8.6	92.34
216				9.1	91.84
+50				9.4	91.54
217				8.4	92.54
+50				9.0	91.94
218				8.7	92.24
+50				8.8	92.14
T.P.	5.17	97.47	8.64		92.30
219				6.2	91.27
+50				7.1	90.37
220				8.0	89.47
+50				8.6	88.87
221				9.2	88.27

(35)

Sta.	+	0	−	Rod	Elev.
+50				9.1	88.37
222				8.9	88.57
+50				8.5	88.97
223				8.5	88.97
+50				9.1	88.37
224				9.7	87.77
+50				10.7	86.77
225				10.8	86.67
+50				11.1	86.37
T.P.	11.48	97.92	11.03		86.44
226				11.7	86.22
+50				11.4	86.52
227				11.1	86.82
+50				10.9	87.02
228				9.5	88.42
+50				8.3	89.62
229				7.4	90.52

Sta	+	0	−	Rod	Elev.
+50				8.1	89.82
230				7.9	90.02
+50				8.8	89.12
231				7.1	90.82
+50				5.8	92.12
232				3.8	94.12
1½'x2' Box +18				7.1	90.82
+50				3.5	94.42
233				3.0	94.92
+50				1.6	96.32
T.P.	5.19	101.59	1.52		96.40
234				4.9	96.69
+50				3.8	97.79
Bridge +75				8.4	93.19
+96				2.9	98.69
235				2.9	98.69
B.M. (#22)				10.82	90.77

Sta.	+	⊙	−	Rod	Elev.
+50				3.3	98.29
236				3.6	97.99
+50				3.6	97.99
237				3.3	98.29
+50				3.6	97.99
238				4.4	97.19
+50				5.4	96.19
239				5.5	96.09
+50				5.9	95.69
240				6.0	95.59
+50				7.5	94.09
T.P.	4.42	98.78	7.23		94.36
241				5.6	93.18
+50				6.8	91.98
242				7.6	91.18
+50				8.0	90.78
243				7.8	90.98

Sta.	+	⊙	−	Rod	Elev.
+50				8.4	90.38
R.R. culvert 244				9.5	89.78
+50				10.2	88.58
245				10.7	88.08
+50				10.6	88.18
246				10.5	88.28
+50				10.4	88.38
247				9.9	88.88
+50				9.1	89.68
T.P.	11.37	101.31	8.84		89.94
248				10.5	90.81
+50				9.4	91.91
249				8.3	93.01
+50				7.7	93.61
250				6.3	95.01
+50				4.9	96.41
251				4.1	97.21

Sta.	+	⊙	−	Rod	Elev.
+50				3.2	98.11
252				3.1	98.21
+50				3.1	98.21
253				3.0	98.31
+50				3.5	97.81
254				4.1	97.21
T. P.	8.89	106.15	4.05		97.26
+39.7				9.5	96.65
+50				9.3	96.85
255				8.4	97.75
+50				7.2	98.95
256				6.3	99.85
+50				6.0	100.15
257				5.7	100.45
+50				6.2	99.95
258				6.8	99.35
+50				7.2	98.95

Sta.	+	⊙	−	Rod	Elev.
259				7.7	98.45
+50				8.1	98.05
260				8.0	98.15
+50				8.3	97.85
261				8.1	98.05
+50				8.2	97.95
T. P.	2.50	100.69	7.96		98.19
262				3.1	97.59
+50				3.2	97.49
263				3.9	96.79
+50				5.2	95.49
264				6.1	94.59
+50				7.4	93.29
265				8.4	92.29
+50				8.0	92.69
266				7.8	92.89
+50				7.6	93.09

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Sta.	+	⊙	−	Rod	Elev.
267				7.5	93.19
+50				7.4	93.29
268				7.1	93.59
+50				6.8	93.89
269				6.3	94.39
T.P.	9.33	103.91	6.11		94.58
+50				9.1	94.81
270				8.7	95.21
+50				8.5	95.41
271				8.5	95.41
+50				8.4	95.51
272				8.4	95.51
+50				7.5	96.41
273				6.8	97.11
+50				5.5	98.41
274				4.6	99.31
+50				4.1	99.81

Sta.	+	⊙	−	Rod	Elev.
275				2.4	101.51
T.P.	11.30	114.21	1.01		102.90
+50				9.1	105.11
276				5.0	109.21
+50				4.5	109.71
277				2.3	111.91
+50				2.3	111.91
278				1.2	113.01
T.P.	7.53	120.73	1.00		113.20
+50				5.8	114.93
+75				4.9	115.83
279				5.1	115.63
+50				8.3	112.43
280				5.9	114.83
+43				6.4	114.33
Bridge #70				12.2	108.53
+93				7.0	113.73
	18.83		2.01		

Sta.	+	⊙	−	Rod	Elev.
281				6.2	114.53
+50				4.6	116.13
282				3.6	117.13
+50				3.2	117.53
283				2.8	117.93
+50				1.6	119.13
T. P.	10.47	130.10	1.10		119.63
184				8.9	121.20
+50				6.4	123.70
285				4.9	125.20
+50				4.4	125.70
286				4.0	126.10
+50				3.4	126.70
287				2.7	127.40
+50				2.6	127.50
288				3.1	127.00
+50				3.4	126.70

Sta.	+	⊙	−	Rod	Elev.
289				3.3	126.80
+50				3.0	127.10
T. P.	4.97	132.12	2.95		127.15
290				4.3	127.82
+50				3.7	128.42
+68				5.7	126.42
291				7.6	124.52
+50				8.1	124.02
292				8.0	124.12
V+3 B.S.F. +50				9.2	122.92
+50				7.4	124.72
+75				4.0	128.12
293				3.6	128.52
+50				0.9	131.22
294				1.1	131.02
+50				4.5	127.62
295				3.4	128.72

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Sta.	+	⊙	−	Rod	Elev.
1+1½ Bot					
+50				1.2	130.92
T. P.	11.67	143.08	0.71		131.41
296				10.0	133.08
+50				4.3	138.78
297				2.6	140.48
+50				0.8	142.28
Marked Stone, 75 R 296+50 B. M.				0.44	142.64
T. P.	10.08	152.42	0.74		142.34
298				7.0	145.42
+50				4.6	147.82
299				2.3	150.12
+50				1.0	151.42
300				0.8	151.62
+50				1.2	151.22
301				1.5	150.92
+50				1.9	150.52
T. P	0.80	151.29	1.93		150.49
	22.55		3.38		

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Sta.	+	⊙	−	Rod	Elev.
302				2.3	148.99
+50				2.7	148.59
303				1.0	150.29
+50				1.5	149.79
304				2.8	148.49
+50				4.1	147.19
305				5.9	145.39
+50				7.2	144.09
306				8.5	142.79
+50				9.8	141.49
307				10.7	140.59
T. P.	2.87	143.51	10.65		140.64
+32				4.9	138.61
Bridge +50				10.0	133.51
308+32				11.9	131.61
+50				8.2	135.31
309				10.2	133.31

Sta.	+	⊖	−	Rod	Elev
T. P.	3.13	135.13	11.51		132.00
+50				3.9	131.23
Cent Spand Ash Plug and South'y Bound'y La Jolla +77.8				4.67	130.46
B.M. (#23)	0.97	131.40	4.70		130.43
310				1.6	129.80
+50				4.0	127.40
311				6.2	125.20
+50				8.3	123.10
312				10.2	121.20
T. P.	0.32	119.98	11.74		119.66
+50				0.8	119.18
313				2.7	117.28
+50				4.5	115.48
314				6.0	113.98
+50				7.6	112.38
315				9.2	110.78
+50				10.8	109.18

Sta.	+	⊖	−	Rod	Elev.
T. P.	0.82	109.28	11.52		108.46
316				1.9	107.38
+50				4.1	105.18
317				6.8	103.48
+50				8.9	100.38
318				10.2	99.08
T. P.	1.47	99.18	11.57		97.71
+50				2.8	96.38
319				3.3	95.88
+50				4.4	94.78
320				6.3	92.88
3'x4' Box +50				8.2	90.98
321				6.2	92.98
+50				3.5	95.68
322				1.8	97.38
T. P.	9.68	107.76	1.10		98.08
+50				8.1	99.66

Sta.	+	⊙	−	Rod	Elev.
323				6.7	101.06
+50				5.5	102.26
324				4.7	103.06
+50				3.8	103.96
325				2.9	104.86
+50				2.1	105.66
326				2.3	105.46
+50				1.8	105.96
327				1.5	106.26
+50				0.6	107.16
T.P.	3.23	110.45	0.54		107.22
328				3.0	107.45
+50				2.5	107.95
329				2.5	107.95
+50				2.8	107.65
330				3.4	107.05
+50				3.6	106.85

Sta.	+	⊙	−	Rod	Elev.
331				3.9	106.55
+50				4.2	106.25
+59 = Cycle Intersection Grand Ave.				4.2	106.25
B.M. (+24)			1.94		108.51

12/21/01

Main Line

Sta.	+	0	−	Pod	Elev.
B.M. (#23)	0.82	131.25			130.43
T.P.	0.44	120.00	11.69		119.56
"	0.84	109.27	11.57		108.43
"	5.35	103.06	11.56		97.71
Cont. Grand Arc and State St. Plug = 0 319+63.7				8.54	94.52
+50				8.1	94.96
1				9.6	93.46
+50				9.3	93.76
2				9.8	93.26
3'+4' Bor. +10				10.9	92.16
+50				6.7	96.36
3				2.2	100.86
T.P.	11.61	114.63	0.04		103.02
+50				10.5	104.13
4				8.2	106.43
+50				6.5	108.13
5				5.3	109.33
	19.06		34.86		

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Sta.	+	0	−	Pod	Elev.
+50				4.3	110.33
6				3.2	111.43
+50				1.5	113.13
T.P.	11.70	125.30	1.03		113.60
7				10.2	115.10
+50				7.9	117.40
8				5.2	120.10
+50				3.3	122.00
9				0.0	125.30
T.P.	11.67	136.97	0.00		125.30
+50				7.5	129.47
10				3.4	133.57
T.P.	11.85	148.82	0.00		136.97
+50				11.5	137.32
11				8.0	140.82
+50				4.5	144.32
12				2.3	146.52
	35.22		1.03		

(53)

Sta.	+	⊙	−	Rod	Elev.
T. P	11.84	160.66	0.00		148.82
+50				11.4	149.26
13				10.5	150.16
+50				9.7	150.96
14				8.9	151.76
+50				7.4	153.26
15				7.0	153.66
+50				5.6	155.06
16				3.8	156.86
+50				3.6	157.06
17				2.5	158.16
+50				1.7	158.96
18				0.5	160.16
T. P.	9.59	169.82	0.43		160.23
+50				8.9	160.92
19				7.2	162.62
+50				4.8	165.02
	21.43		0.43		

Sta.	+	⊙	−	Rod	Elev.
20				3.7	166.12
+50				4.6	165.22
21				6.7	163.12
+50				7.6	162.22
22				8.8	161.02
+50				10.4	159.42
23				10.9	158.92
T. P.	2.12	160.54	11.40		158.42
+50				4.0	156.54
24				4.1	156.44
+25				4.2	156.34
+50				2.6	157.94
25				5.0	155.54
B. M. (#25)				3.32	157.22
+50				5.7	154.84
+65				7.7	152.84
26				8.2	152.34

(55)

Sta.	+	⊙	−	Rod	Elev.
+25				9.7	150.84
Cent. Prospect St. (approx)					
+50				10.1	150.34
T. P.	1.43	150.61	11.36		149.18
27				5.3	145.31
+50				11.1	139.51
T. P.	0.95	140.34	11.22		139.39
28				5.6	134.74
+50				9.6	130.74
T. P.	1.30	130.39	11.25		129.09
29				3.1	127.29
+50				5.9	124.49
30				10.6	119.79
+50				12.7	117.69
31				7.8	122.59
+50				2.9	127.49
+75				1.7	128.69
32				3.5	126.89
	3.68		33.83		

Sta.	+	⊙	−	Rod	Elev.
+16				6.8	123.59
T. P.	0.95	119.67	11.67		118.72
+20				4.5	115.17
+40				9.1	110.57
T. P.	0.56	109.42	10.81		108.86
1	1.70	107.05	10.07		99.35
Bridge +76				11.9	89.15
+86				13.0	88.05
T. P	11.87	111.22	1.70		99.35
33+40				0.6	110.62
T. P.	4.59	115.13	0.68		110.54
34				0.0	115.13
+30				2.9	112.23
+50				3.9	111.23
35				8.4	106.73
+50				11.2	103.93
T. P.	0.66	104.81	10.98		104.15
	20.33		45.91		

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(57)

357

Sta.	+	⊙	−	Rod	Elev.
36				2.7	102.11
+30				5.1	99.71
+50				9.1	95.71
T. P.	1.06	94.71	11.16		93.65
37				5.6	89.11
+50				5.2	89.51
+65				7.0	87.71
T. P.	0.69	83.72	11.68		83.03
38+08				12.8	70.92
Bridge +30				13.1	70.62
T. P.	11.01	94.04	0.69		93.03
+55				11.9	82.14
+65				8.9	85.14
+73				4.4	89.64
T. P.	11.17	105.21	0.00		94.04
39				10.9	94.31
+50				9.0	96.21
	23.93		23.53		

(58)

358

Sta.	+	⊙	−	Rod	Elev.
40				5.8	99.41
+50				3.2	102.01
+85				3.0	102.21
41				5.4	99.81
+15				15.1	90.11
+34				16.3	88.91
+55				7.8	95.41
42				5.0	100.21
+15				3.1	102.11
T. P.	11.83	117.04	0.00		105.21
+25				10.8	106.24
+53				3.2	113.84
+75				3.9	113.14
43				1.3	115.74
+25				4.6	112.44
+50				0.7	116.34
T. P.	3.76	120.15	0.65		116.39
	15.59		0.65		

Sta.	+	⊙	−	Rod	Elev.
Near Gate, La Jolla road					
+71				1.6	118.55
B.M (#26)				0.61	119.54
44 + 41				4.6	115.55
+71				7.3	112.85
45				11.4	108.75
+50				13.2	106.95
46				12.8	107.35
+50				9.8	110.35
47				8.9	111.25
+50				10.2	109.95
T.P.	0.84	109.90	11.09		109.06
48				3.7	106.20
+29				7.4	102.50
+50				8.0	101.90
49				8.2	101.70
+30				8.6	101.30
+50				11.2	98.70

Sta.	+	⊙	−	Rod	Elev.
T.P.	1.31	100.23	10.98		98.92
+75				5.1	95.13
50				3.9	96.33
+50				2.7	97.53
51				5.3	94.93
+50				11.6	88.63
3'x6' Box 52.				10.9	89.33
Bkup 1+33				8.88	91.35
+50				8.4	91.83
53				7.0	93.23
+50				10.0	90.23
T.P.	0.60	89.87	10.96		89.27
54				6.8	83.07
+50				11.6	78.27
55				11.5	78.37
+50				9.0	80.87
56				12.3	77.57
	1.91		21.94		

Sta.	+	⊙	−	Rod	Elev.
+30				10.7	79.17
+50				11.8	78.07
T.P.	1.70	80.14	11.43		78.44
+60				3.0	77.14
57				2.2	77.94
+50				4.9	75.24
58				9.4	70.74
+50				10.8	69.34
59				10.8	69.34
+50				9.4	70.74
B.M. +73	Plug 1.47	73.66	7.95		72.19 ✓
60				6.3	67.36
+25				8.7	64.96
2x3 Pkt +50				8.3	65.36
61				6.8	66.86
+50				4.6	69.06
+85				1.8	71.86
	3.17		19.38		

Sta.	+	⊙	−	Rod	Elev.
62				3.0	70.66
+50				10.7	62.96
63				9.9	63.76
+25				9.6	64.06
+50 T.P.	0.99	63.22	11.43	11.4	62.23
64				7.0	56.22
1x1½ Pkt +50				9.1	54.12
65				4.9	58.32
+50				3.0	60.22
+80				4.3	58.92
66				7.1	56.12
T.P.	5.71	57.09	11.84		51.38
+50				7.5	49.59
67				7.3	49.79
+50				6.6	50.49
68				5.9	51.19
+50				5.9	51.19
	6.70		23.27		

63

Sta.	+	⊙	−	Rod	Elev.
69				5.1	51.99
+50				5.1	51.99
70				6.0	51.09
+50				6.9	50.19
71				8.1	48.99
+50				9.5	47.59
72				9.7	47.39
+50				10.1	46.99
73				9.8	47.29
+50				8.5	48.59
T. P.	11.18	60.04	8.23		48.86
74				9.9	50.14
+50				9.0	51.04
75				8.4	51.64
+50				7.5	52.54
76				6.6	53.44
+50				5.3	54.74

64

Sta.	+	⊙	−	Rod	Elev.
77				3.6	56.44
+50				2.1	57.94
78				0.8	59.24
T. P.	11.68	70.92	0.80		59.24
+50				9.6	61.32
79				7.9	63.02
+50				6.8	64.12
80				5.8	65.62
+50				4.5	66.42
81				3.5	67.42
+50				3.3	67.62
82				3.0	67.92
+50				2.0	68.92
83				1.2	69.72
T. P.	11.52	81.62	0.82		70.10
+50				10.0	71.62
84				8.4	73.22
	23.20		1.62		

Sta.	+	⊙	−	Rod	Elev.
+50				6.6	75.02
85				3.9	77.72
+50				1.4	80.22
B.M.#(27)				3.20	78.42
T. P.	11.61	92.54	0.69		80.93
86				10.5	82.04
Plug +53	Mouth of Culvert			6.25	86.29
87				4.9	87.64
+50				5.7	86.84
88				4.0	88.54
+50				1.6	90.94
T. P.	11.75	103.44	0.85		91.69
89				5.9	97.54
+50				2.3	101.14
90				2.3	101.14
T. P.	11.29	112.86	1.87		101.57
+50				10.0	102.86
91				6.3	106.56
	34.65		3.41		

Sta.	+	⊙	−	Rod	Elev.
+50				4.8	108.06
92				2.7	110.16
T. P.	11.43	122.81	1.48		111.38
+50				9.1	113.71
93				7.6	115.21
Plug +33				7.92	114.89
+50				6.1	116.71
94				4.3	118.51
+50				2.3	120.51
T. P.	11.57	133.37	1.01		121.80
95				9.4	123.97
+50				6.8	126.57
96				6.2	127.17
+50				2.1	131.27
T. P.	11.78	144.50	0.65		132.72
97				10.8	133.70
+50				9.6	134.90
	34.78		3.14		

Sta.	+	⊙	−	Rod	Elev.
98				5.3	139.20
+48 △				5.2	139.30
99				0.7	143.80
T. P.	11.87	155.69	0.68		143.82
+50				10.6	145.09
100				9.4	146.29
+50				5.8	149.89
101				4.1	151.59
Plug +50 △				2.37	153.32
102				1.5	154.19
T. P.	11.83	166.79	0.82		154.87
+50				9.7	157.00
103				6.2	160.50
+50				3.0	163.70
104				2.3	164.40
+50				1.8	164.90
T. P.	11.34	177.24	0.80		165.90
	35.04		2.30		

Sta.	+	⊙	−	Rod	Elev.
+75				7.7	169.54
105				5.8	171.44
+06 △				5.2	172.04
+50				6.5	170.74
106				4.4	172.84
+35				1.9	175.34
T. P.	11.91	188.25	0.90		176.34
+50				10.4	177.85
+75				8.8	179.45
107				11.8	176.45
+50				9.6	178.65
+80				4.8	183.45
108				8.1	180.15
+50				1.8	186.45
T. P.	11.84	199.12	0.97		187.28
Plug +76 △				9.14	189.98
109				9.2	189.92
	23.75		1.87		

(69)

Sta.	+	⊙	−	Rod	Elev.
+20				11.6	187.52
+40				8.6	190.52
+50				8.9	190.22
100				5.9	193.22
+50				3.1	196.02
111				1.8	197.32
T.P.	11.76	210.05	0.83		198.29
+50				6.9	203.15
+75				6.1	203.95
112				9.1	200.95
+25				11.8	198.25
+50				8.2	201.85
113				5.1	204.95
+50				1.5	208.55
+75				4.2	205.85
114				2.8	207.25
T. R	11.38	220.57	0.86		209.19
	23.14		1.69		

(70)

Sta.	+	⊙	−	Rod	Elev.
+50				8.5	212.07
115				2.9	217.67
Bkwd +18				2.27	218.30
+50				2.3	218.27
T. P.	11.70	231.37	0.90		219.67
116				10.9	220.47
+50				12.5	218.87
+85				13.4	217.97
117				12.1	219.27
+23				6.6	224.77
+50				4.7	226.67
118				2.8	228.57
T. P.	10.98	241.60	0.75		230.62
+50				9.2	232.42
119				7.4	234.20
Bkwd +08				7.61	233.99
+50				7.9	233.70
	22.68		1.65		

(7)

Sta.	+	o	−	Rod	Elev.
120				5.7	235.90
+50				0.6	241.00
121				0.4	241.20
T. P.	11.92	252.83	0.69		240.91
+50				9.6	243.23
122				9.4	243.43
Plug 8 +29 △				6.33	246.50
+50				5.1	247.73
123				2.4	250.43
+50				0.5	252.33
T. P.	11.10	263.27	0.66		252.17
124				10.6	252.67
+15 △				8.7	254.57
+50				10.4	252.87
+80				3.4	259.87
125				0.5	262.77
+50				1.6	261.67

23.02
23.14

1.38
1.67

(2)

Sta.	+	o	−	Rod	Elev.
T. P.	10.74	273.27	0.74		262.53
126				9.3	263.97
+50				5.0	268.27
Plug +85 △				4.60	268.67
127				5.0	268.27
+50				7.4	265.87
T. P.	10.67	283.25	0.69		272.58
128				9.7	273.55
+50				4.7	278.55
+75				2.4	280.85
129				2.8	280.45
Plug +09 △				4.37	278.88
+25				9.0	274.25
+50				9.2	274.05
130				4.8	278.45
T. P.	11.37	294.12	0.50		282.75
+50				8.1	286.02

32.78

1.93

Sta.	+	⊙	−	Rod	Elev.
131				6.2	287.92
+50				6.4	287.72
132				4.2	289.92
Plug +13 △				3.78	290.34
+50				1.5	292.62
T. P.	11.47	304.66	0.93		293.19
133				9.6	295.06
+50				6.2	298.46
Plug +96 △				4.47	300.19
134 +20				2.3	307.36
+46 △				4.1	300.56
T. P.	11.13	314.64	1.15		303.51
135				9.9	304.74
+50				8.1	306.54
Plug +59 △				7.48	307.16
136				5.6	309.04
+50				1.1	313.54

22.100
63.14
2.08

Sta.	+	⊙	−	Rod	Elev.
+62 △				2.6	312.04
T. P.	11.48	325.26	0.81		313.83
137				10.8	314.46
+50 △				9.4	315.86
138				7.2	318.06
+50				3.9	321.36
+57 △				3.3	321.96
+67				5.3	319.96
139				2.8	322.46
+53 △				0.0	325.26
T. P.	11.05	335.50	0.81		324.45
140				5.7	329.80
+25				2.6	332.90
+50				4.3	331.20
141				4.3	331.20
Plug +47 △				0.72	334.78
142				1.7	333.80

27.48
1.62

Sta.	+	+	−	Rod.	Elev.
T. P.	11.59	346.44	0.65		334.85
+50				6.3	340.14
143				8.0	338.44
+50				1.9	344.54
144				0.4	346.04
T. P.	11.30	356.70	1.04		345.40
Plug +46				9.51	347.19
145				8.5	348.20
+50				3.9	352.80
+76				2.5	354.20
146				0.8	355.90
T. P.	10.54	366.49	0.75		355.95
+50				11.2	355.29
147				9.2	357.29
Head of Canon +50				5.4	361.09
148				2.9	363.59
+50				4.9	361.59
	33.43		2.44		

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149				4.8	361.69
T. P.	10.34	375.89	0.94		365.55
B.M. (728)				5.99	369.90
+30				10.5	365.39
+41				8.7	367.19
+42				6.7	369.19
+50				5.8	370.09
150				5.2	370.69
+50				4.1	371.79
151				2.6	373.29
+50				2.0	373.89
T. P.	7.65	382.80	0.74		375.15
152				8.1	374.70
+50				6.5	376.30
153				5.2	377.60
+50				4.9	377.90
154				4.9	377.90
	17.99		1.68		

Sta.	+	⊙	−	Rod	Elev.
155 +50				5.3	377.50
155				6.0	376.80
+50				6.7	376.10
156				7.2	375.60
+50				7.3	375.50
157				6.8	376.00
+50				5.3	377.50
158				2.4	380.40
T. P.	10.70	392.45	1.05		381.75
+50				9.1	383.35
159				7.0	385.45
Plug +38 △				5.64	386.81
+50				4.7	387.75
160				3.7	388.75
+50				2.1	390.35
161				1.4	391.05
+50				1.1	391.35

Sta.	+	⊙	−	Rod	Elev.
Plug T. P. △	1.41	392.55	1.31		391.14
162				1.4	391.15
+50				1.9	390.65
163				3.0	389.55
+50				4.5	388.05
164				6.9	385.65
+50				10.13	382.25
165				11.2	381.35
T. P.	8.44	389.77	11.22		381.33
+50				11.0	378.77
166				12.8	377.97
1+½ Cart +50				12.9	377.87
167				11.1	378.67
+50				7.4	382.37
168				5.9	383.87
+50				4.6	385.17
T. P.	10.77	397.59	2.95		386.82
	20.62		15.48		

Sta.	+	o	−	Rod	Elev.
169				9.8	387.79
+50				8.4	389.19
170				7.2	390.39
+50				6.1	391.49
171				5.6	391.99
+50				5.9	391.69
172				5.6	391.99
+50				5.9	391.69
Mon. 172 +86.6				6.6	390.99
B.M. (#29)				5.68	391.91
173				7.5	390.09
+50				7.3	390.29
174				6.3	391.29
+50				5.9	391.69
175				5.5	392.09
+50				4.8	392.79
T. P.	9.91	402.87	4.63		392.96

Sta.	+	o	−	Rod	Elev.
176				10.7	392.17
+50				10.6	392.27
177				10.4	392.47
+50				9.4	393.47
178				9.4	393.47
+50				8.8	394.07
179				8.1	394.77
+50				7.3	395.57
180				6.1	396.77
+50				5.9	396.97
181				5.1	397.87
+50				4.8	398.07
182				4.8	398.07
+50				5.4	397.47
183				5.9	396.97
+50				6.6	396.27
T. P.	2.59	399.13	6.33		396.54

Sta.	+	⊙	−	Rod	Elev.
184				3.4	395.73
+50				3.8	395.33
185				4.2	394.93
+50				4.5	394.63
186				5.1	394.03
+50				5.5	393.63
187				5.7	393.43
+50				6.6	392.53
188				7.2	391.93
+50				8.4	390.73
T.P.	9.06	396.86	11.33		387.80
189				11.1	385.76
+50				13.6	383.26
1'x1½' Rpt +75				14.7	382.16
190				13.4	383.46
+50				12.8	384.06
191				13.0	383.86

Sta.	+	⊙	−	Rod	Elev.
+50				14.4	382.46
192				13.1	383.76
+50				11.8	385.06
193				9.7	387.16
+50				7.6	389.26
194				6.6	390.26
+50				6.8	390.56
195				6.6	390.26
+50				7.0	389.86
196				7.7	389.16
T.P.	4.41	393.93	7.34		389.52
+50				5.6	388.33
197				8.0	385.93
+50				8.7	385.23
198				7.3	386.63
+50				7.4	386.53
199				4.9	389.03

Sta.	+	⊙	−	Rod	Elev.
B.M. (#30)				3.14	390.79 ✓
+50				4.6	389.33
200				4.6	389.33
+50				4.8	389.13
201				5.4	388.53
+50				6.3	387.63
202				7.5	386.43
+50				8.7	385.23
203				9.3	384.63
+50				10.0	383.93
T.P.	2.92	387.00	9.85		384.08
204				3.5	383.50
+50				3.8	383.20
205				4.3	382.70
+50				4.8	382.20
206				6.1	380.90
+50				6.9	380.10

Sta.	+	⊙	−	Rod	Elev.
207				8.3	378.70
+50				10.0	377.00
208				10.5	376.50
+50				11.2	375.80
209				11.7	375.30
T.P.	2.05	377.44	11.61		375.39
+50				2.8	374.64
210				3.0	374.44
+50				4.0	373.44
211				3.6	373.84
+50				4.3	373.14
212				4.6	372.84
+50				5.3	372.14
213				6.3	371.14
+50				7.4	370.04
214				8.4	369.04
+50				9.0	368.40

Sta.	+	⊙	−	Rod	Elev.
215				9.9	367.54
+50				10.9	366.54
216				11.6	365.84
T. P.	1.84	367.81	11.47		365.97
+50				2.9	364.91
217				3.7	364.11
+50				4.8	363.01
218				6.3	361.51
+50				7.9	359.91
219				9.5	358.31
+50				10.9	356.91
220				11.9	355.91
T. P.	5.67	361.61	11.87		355.94
+50				6.3	355.31
221				6.9	354.71
+50				7.2	354.41
222				7.4	354.21
	7.51		23.34		

Sta.	+	⊙	−	Rod	Elev.
+50				7.7	353.91
223				7.5	354.11
+50				7.5	354.11
224				7.4	354.21
+50				7.3	354.31
225				7.2	354.41
+50				7.4	354.21
B.m. (#3)				5.85	355.76
226				7.5	354.11
+50				7.8	353.81
227				7.9	353.71
+50				7.9	353.71
228				7.7	353.91
T. P.	11.06	365.18	7.49		354.12
+50				11.2	353.98
229				10.7	354.48
+50				10.1	355.08

Sta.	+	⊙	−	Rod	Elev.
230				9.2	355.98
+50				8.1	357.08
231				7.1	358.08
+50				6.5	358.68
232				6.0	359.18
+50				5.1	360.08
233				4.4	360.78
+50				4.5	360.68
234				3.8	361.38
+50				3.8	361.38
235				3.6	361.58
T. P.	11.07	372.84	3.41		361.77
+50				11.3	361.54
236				11.0	361.84
+50				10.7	362.14
237				10.6	362.24
+50				10.1	362.74

Sta.	+	⊙	−	Rod	Elev.
238				9.9	362.94
+50				9.4	363.44
239				8.8	364.04
+50				8.5	364.34
240				8.3	364.54
+50				8.2	364.64
241				7.7	365.14
+50				7.2	365.64
242				7.6	365.24
+50				7.2	365.64
T. P.	11.89	377.73	7.00		365.84
243				12.2	365.53
+50				12.0	365.73
244				10.8	366.93
+50				10.6	367.13
245				10.2	367.53
+50				9.9	367.83

Sta.	+	⊙	−	Rod	Elev.
246				8.9	368.83
+50				8.1	369.63
247				7.5	370.23
+50				8.7	369.03
T. P.	9.13	379.19	7.67		370.06
248				9.9	369.29
+50				8.7	370.49
249				7.0	372.19
+50				4.3	374.89
250				3.3	375.89
+50				3.6	375.59
251				4.7	374.49
+50				5.8	373.39
252				7.9	371.29
B.M. (#32)				6.92	372.27
+50				9.1	370.09
253				9.9	369.29

Sta.	+	⊙	−	Rod	Elev.
T. P.	2.72	372.18	9.73		369.46
+50				2.9	369.28
254				3.0	369.18
+50				3.3	368.88
255				4.1	368.08
+50				5.5	366.68
256				7.1	365.08
+50				8.4	363.78
+95				8.6	363.58
257 +50				8.5	363.68
258				7.7	364.48
+50				6.3	365.88
259				5.2	366.98
T. P.	11.54	378.73	4.99		367.19
+50				10.6	368.13
260				9.8	368.93
+50				9.0	369.73
	14.26		14.72		

Sta.	+	⊙	−	Rod	Elev.
261				7.4	371.33
+50				5.2	373.53
262				3.6	375.13
+50				3.2	375.53
263				2.4	376.33
T. P.	8.42	384.96	2.19		376.54
+50				7.9	377.06
264				7.3	377.66
+50				6.6	378.36
265				5.9	379.06
+50				5.4	379.56
266				4.6	380.36
+50				3.6	381.36
267				2.6	382.36
+50				1.2	383.76
T. P.	9.47	393.68	0.75		384.21
268				8.8	384.88
	17.89		2.94		

Sta.	+	⊙	−	Rod	Elev.
+50				7.5	386.18
269				6.6	387.08
+50				5.6	388.08
270				5.1	388.58
+50				4.7	388.98
271				4.6	389.08
+50				4.6	389.08
272				5.1	388.58
+50				5.6	388.08
273				6.3	387.38
+50				6.7	386.98
274				6.8	386.88
+50				6.5	387.18
T. P.	10.77	398.26	6.19		387.49
275				10.4	387.86
+50				10.2	388.06
276				9.1	389.16

(93)

Sta.	+	⊙	−	Rod	Elev.
+50				8.0	390.76
277				6.6	391.66
+50				4.9	393.36
278				3.7	394.56
B.M. (#33)				1.34	396.92
+50				2.5	395.76
279				1.3	396.96
T.P.	10.79	407.95	1.10		397.16
+50				10.1	397.85
280				9.0	398.95
+50				7.9	400.05
281				6.7	401.25
+50				5.8	402.15
282				5.0	402.95
+50				4.5	403.45
283				4.5	403.45
+50				5.3	402.65

(94)

Sta.	+	⊙	−	Rod	Elev.
284				6.1	401.85
+50				6.8	401.15
285				7.4	400.55
+50				8.5	399.45
T.P.	5.37	405.15	8.17		399.78
286				7.4	397.75
+50				9.3	395.85
287				11.0	394.15
+50				8.7	396.45
288				6.1	399.05
+50				4.4	400.75
289				4.8	400.35
+50				4.7	400.45
290				3.7	401.45
+50				2.9	402.25
291				2.7	402.45
292				4.6	400.55

(95)

Sta.	+	⊙	−	Rod	Elev.
T. P.	4.87	405.76	4.26		400.89
293				9.0	396.76
294				11.7	394.06
295				11.0	394.76
+50				10.3	395.46
296				9.6	396.16
+50				9.1	396.66
297				8.9	396.86
+50				9.2	396.56
298				9.6	396.16
T. P.	8.82	400.17	9.41		396.35
+50				4.3	395.87
299				4.8	395.37
+50				5.1	395.07
300				5.4	394.77
+50				5.6	394.57
301				5.5	394.67
	8.69		13.67		

Sta.	+	⊙	−	Rod	Elev.
+50				4.8	395.37
302				4.0	396.17
+50				2.5	397.67
303				1.1	399.07
T. P.	11.43	410.83	0.77		399.40
+50				10.2	400.63
B. M. (#34)				7.94	402.89
304				8.3	402.53
+50				6.1	404.73
305				4.3	406.53
+50				2.4	408.43
T. P.	10.06	418.98	1.90		408.92
306				8.7	410.28
+50				7.1	411.88
307				5.3	413.68
+50				4.4	414.58
308				3.9	415.08
	21.49		2.67		

(97)

Sta.	+	⊙	−	Rod	Elev.
+50				3.9	415.08
309				3.6	415.38
+50				3.3	415.68
Plug 310 T.P. △	11.27	427.80	2.45		416.53
+50				10.2	417.60
311				9.7	418.10
+50				8.9	418.90
312				8.1	419.70
+50				7.2	420.60
313				6.6	421.20
+50				5.7	422.10
314				4.8	423.00
+50				4.3	423.50
315				4.2	423.60
+50				4.3	423.50
316				4.5	423.30
+50				5.0	422.80

Sta.	+	⊙	−	Rod	Elev.
317				5.6	422.20
+50				6.2	421.60
318				7.0	420.80
+50				7.7	420.10
T.P.	2.25	422.54	7.51		420.29
319				3.1	419.44
+50				3.7	418.84
320				4.2	418.34
+50				4.4	418.14
321				4.7	417.84
+50				4.8	417.74
322				4.6	417.94
+37 △				4.8	417.74
+50				4.5	418.04
323				4.0	418.54
+50				3.4	419.14
324				3.2	419.34

Sta.	+	⊙	−	Rod	Elev.
+50				3.2	419.34
T. P. #71 (Plug)	1.07	420.01	3.60	3.6	418.94
325				1.6	418.41
+50				2.8	417.21
326				4.7	415.31
+50				6.6	413.41
327				9.0	411.01
+50				12.1	407.91
T. P.	0.40	408.71	11.70		408.31
328				4.5	404.21
+50				7.4	401.31
329				10.0	398.71
+50				11.9	396.81
T. P.	0.10	396.84	11.97		396.74
330				1.1	395.74
+50				2.3	394.54
331				3.8	393.04
	1.57		27.27		

Sta.	+	⊙	−	Rod	Elev.
+50				5.0	391.84
332				6.8	390.04
+50				8.6	388.24
333				10.8	386.04
T. P.	0.85	385.91	11.78		385.06
+50				2.7	383.21
334				5.9	380.01
+50				8.8	377.11
335				10.9	375.01
+50				12.2	373.71
T. P.	0.53	374.62	11.82		374.09
336				2.9	371.72
+50				4.1	370.52
337				5.4	369.22
+50				7.1	367.52
338				8.9	365.72
+50				10.1	364.52
	1.38		23.60		

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Sta	+	⊙	−	Rod	Elev
339				10.6	364.02
Plug A +08				10.72	363.90
+50				10.9	363.72
340				11.8	362.82
T. P.	1.94	364.76	11.80		362.82
+20				2.1	362.66
+40				4.2	360.56
+50				6.1	358.66
341				8.2	356.56
+50				9.6	355.16
342				11.2	353.56
T. P.	1.03	354.00	11.79		352.97
+50				1.8	352.20
343				3.5	350.50
+30				4.4	349.60
+50				6.9	347.10
844				8.9	345.10
	2.97		23.59		

Sta.	+	⊙	−	Rod	Elev.
+50				11.7	342.30
345				12.7	341.30
+50				12.7	341.30
346				12.3	341.70
Plug C. +14	4.25	347.06	11.19		342.81
+50				4.4	342.66
347				6.2	340.86
+50				7.1	339.96
348				6.1	340.96
+50				5.5	341.56
349				4.9	342.16
+50				4.7	342.36
350				5.4	341.66
+50				5.1	341.96
351				3.9	343.16
+50				2.4	344.66
352				0.8	346.26

Sta.	+	⊙	−	Rod	Elev.
T. P.	6.22	352.50	0.78		346.28
+50				3.8	348.70
353				1.7	350.80
+50				1.1	350.40
354				4.9	347.60
+48				6.8	345.70
355				11.3	341.20
T. P.	0.15	341.52	11.13		341.37
+50				2.9	338.62
356				4.0	337.52
+50				4.8	336.72
357				5.0	336.52
+50				5.3	336.22
358				5.2	336.32
+50				5.3	336.22
359				5.3	336.22
+50				5.6	335.92
	6.37		11.91		

Sta.	+	⊙	−	Rod	Elev.
360				5.9	335.62
+50				6.9	334.62
361				8.1	333.42
+50				8.9	332.62
362				9.6	331.92
+50				10.0	331.52
363				10.2	331.32
+50				10.3	331.22
364				9.4	332.12
+50				7.5	334.02
T. P.	6.20	340.38	7.34		334.18
365				2.2	338.18
Bkg +34				0.63	339.75
T. P.	0.29	328.79	11.88		328.50
+50				5.7	323.09
+70				3.4	325.39
366				9.2	319.59
	6.49		19.22		

Sta.	+	⊙	−	Rod	Elev.
+50				13.8	314.99
+80				11.2	317.59
367				11.4	317.39
+40 △				11.6	317.19
+50				11.9	316.89
368				11.9	316.89
+50				8.9	319.89
369				7.6	321.19
Pkg T.P. +34 △	1.76	323.08	7.52		321.27
+50				2.3	320.73
370				5.3	317.73
+50				6.8	316.73
371				5.6	317.43
Tony Point +38 △				5.9	317.13
B.M. (#35)			0.77		322.26 ✓
			8.29		

(111)

(123)

(125)

Levels for Road West of ("Main Line") to Prospect and Ravina, (127)

Ken Daley Sta.	+	⊖	—	Rod	Elev.
B.M. (#20)	3.46	89.20			85.74
0 182+08.5				1.6	87.60
+25				2.6	86.60
cent. Track Level of rails +69.5				6.25	82.95
+90				4.9	84.30
1 +10				4.8	84.40
+39				5.7	83.50
+50				5.8	83.40
2				6.1	83.10
+50				6.2	83.00
3				6.5	82.70
+50				6.9	82.30
4				7.0	82.20
+50				7.9	81.30
5				8.2	81.00
+50				8.7	80.50
6				9.1	80.10

Motor Track, from Sta 182+08.5 La Jolla

A Line

Sta.	+	⊖	—	Rod	Elev.
T. P.	5.86	86.22	8.84		80.36
+50				6.5	79.72
7				6.5	79.72
+50				5.9	80.32
8				5.7	80.52
+50				6.3	79.92
9				6.6	79.62
+50				6.6	79.62
10				6.4	79.82
+50				6.5	79.72
11				6.6	79.62
+50				6.1	80.12
12				6.5	79.72
+50				6.1	80.12
T. P.	4.48	84.70	6.00		80.22
13				4.8	79.90
+50				4.7	80.00

Sta.	+	⊙	−	Rod	Elev.
14				5.2	79.50
+50				5.3	79.40
15				5.6	79.10
+50				5.8	78.90
16				5.8	78.90
+50				5.5	79.20
17				5.7	79.00
+50				5.5	79.20
18				5.2	79.90
+50				5.3	79.40
19				4.6	80.10
+50				4.3	80.40
20				3.9	80.80
T. P.	4.45	85.62	3.53		81.17
+50				4.4	81.22
21				3.8	81.82
+50				3.8	81.82

Sta.	+	⊙	−	Rod	Elev.
22				3.8	81.82
+50				4.0	81.62
23				4.2	81.42
+50				4.3	81.32
24				4.2	81.42
+50				4.4	81.22
25				4.6	81.02
+50				4.4	81.22
26				3.3	82.32
B.M. (#21)				0.76	84.86
+50				2.7	82.92
27				2.1	83.52
T. P.	6.29	90.08	1.83		83.79
+50				5.9	84.18
28				4.8	85.28
+50				4.3	85.78
29				4.0	8608

(131)

Sta	+	⊙	−	Rod	Elev.
+50				3.9	86.18
+94				3.9	86.18
30 +50				3.5	86.58
31				3.2	86.88
+50				2.5	87.58
32				2.7	87.38
+50				3.2	86.88
33				3.9	86.18
+50				4.5	85.58
34				4.3	85.78
T.P.	5.41	91.39	4.10		85.98
+50				5.9	85.49
35				6.3	85.09
+50				6.6	84.79
36				5.7	85.69
+50				6.6	84.79
37				6.2	85.19

Sta.	+	⊙	−	Rod	Elev.
+50				7.0	84.39
38				6.5	84.89
+50				6.2	85.19
39				6.7	84.69
+50				7.2	84.19
40				6.9	84.49
+50				6.4	84.99
41				5.8	85.59
+50				5.3	86.09
T.P.	0.97	87.45	4.91		86.48
42				1.6	85.85
+50				2.4	85.05
43				3.3	84.15
+50				3.8	83.65
44				3.6	83.85
+50				3.9	83.55
45				4.3	83.15

(133)

Sta.	+	⊙	−	Bsd	Elev.
+50				4.4	83.05
46				4.6	82.85
+50				4.7	82.75
47				4.5	82.95
+50				4.3	83.15
48				3.9	83.55
+50				4.0	83.45
49				3.9	83.55
T.P.	10.33	93.91	3.87		83.58
+30				10.5	83.41
+42				14.0	79.91
+70				10.7	83.21
50				9.7	84.21
+50				8.4	85.51
51				7.1	86.81
+14				6.8	87.11
+30				11.0	82.91

Sta.	+	⊙	−	Bsd	Elev.
+55				11.2	82.71
+64				6.9	87.01
52				6.8	87.11
+50				5.9	88.01
+80				5.3	88.61
+92				13.8	80.11
53 +30.				11.8	82.11
+39				5.0	88.91
+50				4.3	89.61
B.M." (22#)"				3.15	90.76 old
54				3.4	90.51
+50				3.2	90.71
55				3.7	90.21
+50				3.6	90.31
T.P.	4.35	94.87	3.99		90.52
56				4.6	90.27
+50				4.0	90.87

(135)

Sta.	+	⊙	−	Rod	Elev.
57				4.9	89.97
+50				5.8	89.07
58				5.8	89.07
+50				6.2	88.67
59				6.9	87.97
+50				7.3	87.57
60				8.0	86.87
+50				8.4	86.47
61				9.3	85.57
+50				9.7	85.17
62				10.1	84.77
+50				10.3	84.57
63				10.1	84.77
+50				10.4	84.47
T. P.	6.04	90.63	10.28		84.59
64				6.2	84.43
+50				6.5	84.13

Sta.	+	⊙	−	Rod	Elev.
65				6.0	84.63
+50				6.2	84.43
66				6.1	84.53
+50				5.8	84.83
67				5.2	85.43
+50				4.7	85.93
68				3.9	86.73
+50				3.3	87.33
69				2.7	87.93
+50				2.0	88.63
70				1.5	89.13
+50				1.1	89.53
71				0.8	89.83
T. P.	2.18	92.06	0.75		89.88
+50				2.5	89.56
72				2.2	89.86
+50				2.3	89.76

(137)

Sta.	+	0	−	Rod	Elev.
73				2.8	89.26
+50				3.0	89.06
74				3.5	88.56
+50				3.8	88.26
75				4.0	88.06
+50				4.0	88.06
76				3.8	88.26
+50				4.0	88.06
77				3.8	88.26
+50				39	88.16
78				3.6	88.46
+50				3.7	88.36
T. P.	0.95	89.42	3.59		88.47
79				1.7	87.72
+50				2.6	86.82
80				3.2	86.22
+50				4.0	85.42

Sta.	+	0	−	Rod	Elev.
81				4.6	84.82
+50				5.0	84.42
82				5.6	83.82
+50				6.0	83.42
83				7.0	82.42
+50				7.4	82.02
84				8.0	81.42
+50				7.6	81.82
85				6.8	82.62
+50				3.9	85.52
T. P.	4.16	89.72	3.86		85.56
86				2.9	86.82
+45 = P.T.				2.3	87.42
50x in 1l Pole Right					
B.M.				1.50	88.22
87				1.8	87.92
+50				2.2	87.52
88				3.0	86.72

1½ x 2 Box

Sta.	+	0	−	Rod	Elev.
+50				4.3	85.42
89				5.5	84.22
+50				6.3	83.42
90				7.5	82.22
+50				8.8	80.92
91				10.0	79.72
+50				11.1	78.62
T. P.	0.52	79.36	10.88		78.84
92				3.4	75.96
+50				5.2	74.16
93				6.5	72.86
+42				8.0	71.36
+60				12.6	66.76
+70				12.4	66.96
+91				8.3	71.06
94				7.9	71.46
+50				10.7	68.66

Sta.	+	0	−	Rod	Elev.
+90				11.9	67.46
95+05				15.4	63.96
+50				11.3	68.06
96				7.6	71.76
T. P.	1.53	73.67	7.22		72.14
Spk N.W. Cor post of bridge, R. Sta 98+20 B.M.				0.55	73.12
+42				2.8	70.87
+50				3.9	69.77
+65				8.2	65.47
97				9.2	64.47
+50				8.1	65.57
+85				6.3	67.37
+92				8.5	65.17
98				5.6	68.07
T. P.	9.60	82.50	0.77		72.90
+50				8.8	73.70
99				7.1	75.40

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Sta.	+	⊙	−	Rod	Elev.
+50				6.3	76.20
+73.2 △				5.5	77.00
100				4.7	77.80
+50				3.9	78.60
101				3.7	78.80
+50				3.6	78.90
102				3.1	79.40
+50				3.1	79.40
103				3.0	79.50
+50				2.5	80.00
104				2.6	79.90
+50				2.9	79.60
105				2.7	79.80
+50				2.8	79.70
T. P.	1.50	81.44	2.56		79.94
106				1.9	79.54
+50				2.2	79.24

Sta.	+	⊙	−	Rod	Elev.
				2.9	78.54
107				3.5	77.94
+50				4.0	77.44
108				4.6	76.84
+50				7.4	74.04
109				8.9	72.54
+50				9.5	71.94
+57				13.4	68.04
+70				9.8	71.64
110				8.6	72.84
+20				9.9	71.54
+36					71.87
T. P.	0.83	72.70	9.57	11.0	61.70
+50				6.4	66.30
+55				3.1	69.60
+65				6.6	66.10
+72				1.4	71.30
+80					

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Sta.	+	o	−	Rod	Elev.
111				0.3	72.40
T.P.	4.23	76.29	0.64		72.06
+50				2.1	74.19
112				2.5	73.79
+50				5.2	71.09
113				5.2	71.09
+50				5.0	71.29
114				5.7	70.59
+50				6.4	69.89
115				7.0	69.29
+50				7.9	68.39
116				7.8	68.49
+50				7.0	69.29
117				6.8	69.49
+50				6.6	69.69
118				6.4	69.89
+50				6.1	70.19

Sta.	+	o	−	Rod	Elev.
T.P.	5.16	75.48	5.97		70.32
119				5.3	70.18
+50				5.0	70.48
120				5.0	70.48
+50				5.0	70.48
121				5.3	70.18
+50				5.0	70.48
122				6.1	69.38
+50				6.5	68.98
123				6.0	69.48
+50				6.0	69.48
124				6.9	68.58
+50				7.6	67.88
N.W. Cor. 126				8.0	67.48
+74.4 △					
125				7.4	68.08
+50				5.8	69.68
126				3.9	71.58

Sta.	+	⊙	−	Rod	Elev.
+08.8 Obs. Cent. Alley and S. Boundary					
T. P.	1.52	73.51	3.49		71.99
+50				2.3	71.21
127				3.5	70.01
+50				4.7	68.81
128				5.3	68.21
+50				6.3	67.21
129				6.9	66.61
+50				7.7	65.81
130				8.2	65.31
+50				8.8	64.71
131				9.1	64.41
+50				9.9	63.61
132				10.4	63.11
+50				10.6	62.91
133				10.7	62.81
T. P.	1.59	64.64	10.46		63.05
+50				1.5	63.14

Sta.	+	⊙	−	Rod	Elev.
134				3.1	61.54
+30				4.6	60.04
+50				6.9	57.74
Cent. Alley and Paving +73 △				9.3	55.34
135				7.6	57.04
+50				3.3	61.34
+66				2.5	62.14
136				5.5	59.14
T. P.	2.64	56.23	11.05		53.95
+50				4.8	51.43
+62.5 △				7.8	48.93
T. P.	0.60	46.58	10.25		45.98
+88				9.2	37.38
T. P.	11.74	57.72	0.60		45.98
T. P.	11.82	68.97	0.57		57.15
137 +15				9.7	59.27
+50				3.5	65.47

Sta.	+	⊖	−	Rod	Elev.
137+95 Plug B.M. △	9.00	76.31	1.66		67.31
138+50				7.9	68.41
139				7.2	69.11
+50				6.8	69.51
B.M. Plug. +58.7 △ {Ant. Ravine S. side Prospect				6.74	69.57
T.P.	8.60	83.10	1.81		74.50
T.P.	11.62	94.21	0.51		82.59
"	10.32	102.82	1.71		92.50
"	8.44	110.14	1.12		101.70
B.M. "(#24)"			1.70		108.44 ✓

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Bencher North of the River

No.	Elev.	
1	11.98	Cop. tack. top E. Pier, S. End Iron Bridge
2	23.24	" " " 4"x4" Post (U.S.G.S. B.M. 27)
3	10.87	Spike in Cor. Post Near Road
4	28.67	Spk top of Wing post N. End - Box on grade South of Morena
5	61.86	Spike in Cor post top of grade South of Morena
6	60.25	Spike in Post. S.E. Cor 5th and F Sts
7	13.31?	Spike in Cor. Post
8	12.66	Spike in N.E. Cor. Post. S.C. R.R Crossing near Morena
9	15.87	Spike in tel pole Near old well
10	5.94	Spike in first post N. of the S.E. Cor of Race Track Tract
11	9.55	Spike in post N.W. Cor Lot 3 Eureka Lemon Tract
12	19.21	Top U.S.G.S. B.M. Near the N.E. Cor P.L. 1797
13	17.05	Spike in Cor. post on 17th St Near R.R. Track
14	57.58	Spike in post S.E. Cor 17th + Alabama
15	98.15	Spike in tree stump in front of Dr. Corey's house, 13th and Alabama
16	107.73	Plug. N.W. 11th and Alabama
17	93.91	Spike in tel. pole Near the S.E. Cor. 9th and Alabama

No	Elev.	
18	(36.37)	Spike in tel pole Near S.W Cor. 2nd and Alabama
19	106.15	Cop. tack top of East End South hand rail Bridge on La Jolla Road
20	85.74	Spike in tel. pole 100' South of R.R. Crossing (La Jolla Road)
21	(84.84)	Spike in tel pole opp. Sta 207+50 (P.C.)
22	(90.77)	in East end of Cap. North End R.B. R.R. Bridge
23	130.43	Plug, East line Grand Ave. and Southerly Boundary La Jolla
24	108.51	Spike in tel pole near the S.E. Cor. Connecticut and Grand ave.
25	157.22	Plug. S.W. Cor. State and Prospect
26	119.54	Spike in North gate post on La Jolla Road Near Sta 43+71
27	78.42	Spike in tel. Pole Right Sta. 85, Near mouth of Cañon
28	369.90	Spike in tel pole at head of Cañon, near La Jolla and Torrente Road
29	391.91	North Cor. Granite Monument to P.L's 1296, 1299, 1311 and 1312
30	390.79	East Cor. Granite Monument to P.L's 1311, 1312, 1313 and 1314
31	355.76	North Cor Granite Monument to P.L's 1313, 1314 1323 and 1324
32	372.27	South Cor. Granite Monument to P.L's 1323, 1324, 1325 and 1326
33	396.92	South Cor. Granite Monument to P.L's 1325, 1326, 1331 and 1330
34	402.89	North Cor. Granite Monument to P.L's 1330, 1331, 1333 and 1334

Benches North of the River (157)

No.	Elev.	
35	322.26	Spike in Pine tree 20' Right Sta 370

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

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
o		o		o		o	
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