

= Survey of Boulevards =

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

Page 1 to 3

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

Page 4 to 105

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

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LEVEL

Benchmarks North of the River

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F.B. 126

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.91	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	63.30	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							

Level notes -
Survey of
Boulevards

Book no 126

name.

date.

11/29/01

Punta
New
Galley
Sta. 1Levels from the old Truss
Bridge, to Pacific Beach etc.
Description of Bench on page 155

Sta.	+	-	Red	Blk.
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 ^v
T.P.	5.46	26.90	4.07	21.44
"	3.40	27.03	3.29	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)			8.22	28.67 ^v
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 ^v
B.M. (5)			6.37	61.86 ^v
	100.48		44.23	

25.51
2.27
23.2456.95
8.28
28.67

1

2

Sta.	+	-	Red	Blk.
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 ^v
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 ^v
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	

11/30/01 Levels for Road from the Race
Cummy
Kear
Salay
to the Toney River
to the Pacific Beach, & Job 4

Sta. + 0 - 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

Sta. + 0 - Rod Elev.

B.M. (#11) 4.22 13.77 9.55
0 5.2 8.57
+50 4.9 9.28
1 4.7 9.80
+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
+115 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

5

(5)

6

Sta.	+	0	-	Red	Elev.	Sta.	+	0	-	Red	Elev.
8				5.2	13.92	15				5.2	13.22
+50				4.9	14.20	East Mill P.O. Truck				5.8	14.62
9				4.3	14.61	+50				6.7	13.72
+50				4.0	14.91	+70				8.2	12.22
10				3.8	15.11	16				8.4	12.02
+65				2.5	16.41	+50				9.2	11.22
11				1.9	17.01	17				10.0	10.42
+50				1.2	17.71	+50				10.0	10.42
12				1.0	17.91	18				10.7	9.72
+50				0.9	18.01	+50				10.2	10.2.2
T.P.	2.24	20.42	0.73		18.18	T.P.	3.84	14.26	10.00		10.42
13				2.4	18.02	19				4.0	10.26
+50				2.2	18.20	+50				4.4	9.86
+72.3				1.9	18.52	20				5.0	9.26
14				2.0	18.42	+50				4.9	9.36
B.M. (42)				1.21	19.21	21				4.8	9.46
+50				4.5	15.92	+50				5.0	9.26

87

(7)

Sta.	+	0	-	Ptd	Clav.
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
Clay + 83					
T.P.	6.90	15.56	5.60	5.6	8.66
On rail last					
End bridge				1.4	14.46
On rail part					
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

88

Sta.	+	0	-	Ptd	Clav.
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
Center 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. (43)				8.57	17.05
+50				5.7	19.92

01 9

Sta.	+	0	-	Pod	Clav.
	+76.46			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	33.76
36				0.5	36.76
T.P.	11.48	48.33	0.41		36.85
	+50			6.6	41.73
37				0.7	42.63
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 17th and Alabama	+84.3			1.2	58.04
39				0.8	58.44
B.M. (44)				1.66	57.58

24.70

1.08

(9)

e 10

Sta.	+	0	-	Pod	Clav.
T.P.	10.73	69.25	0.72		58.52
	+50				59.55
					8.7
					60.55
					7.6
					61.65
					5.4
					63.85
					6.3
					62.95
					7.8
					61.45
					4.9
					64.35
					6.6
					41.73
					5.48
					73.91
					0.82
					68.43
					3.9
					70.01
					1.4
					72.51
					2.2
					71.71
					4.3
					69.61
					4.7
					69.21
					3.0
					70.91
					2.6
					71.31
					3.1
					70.81

16.21

1.54

Sta.	+	0	-	Pod	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. (45)				3.02	98.15
+50				10.6	90.57
T.P.	4.89	95.12	10.94		90.23
	8.69		12.41		

Sta.	+	0	-	Pod	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
8.9				8.9	96.17
+50				6.1	98.97
69				5.0	100.07

Sta.	+	0	-	Pod	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. line 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

Sta.	+	0	-	Pod	Elev.
				6.5	104.61
	8.71	113.37	6.45		104.66
+50				8.4	104.97
				7.5	105.87
+50				6.2	107.17
				4.8	108.57
+50				3.5	109.87
				3.8	109.57
+50				5.4	107.97
				7.7	105.67
+50				10.3	103.07
	1.01	104.03	10.35		103.02
				3.7	100.33
				6.1	97.93
				8.0	96.03
				9.2	94.83
				9.7	94.33

19

(19)

Sta.	+	0	-	Pod	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				7.7	67.70
+50				7.6	67.20
108				7.8	67.00

20

Sta.	+	0	-	Pod	Elev.
					8.3
					66.50
					66.53
					66.14
					65.64
					64.94
					64.54
					63.64
					63.14
					62.84
					62.54
					62.14
					61.64
					61.64
					61.14
					60.64
					59.94
					59.34

Sta.	+	0	-	Red.	Blac.
+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.	+	0	-	Red.	Blac.
+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
132				9.3	37.33

+50
Cont. 2nd
Alabama
+76

Sta.	+	-	Red	Elav.
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			9.3	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	54.91

Sta.	+	-	Red	Elav.
T.P.	11.05	64.13	0.84	53.07
140				53.82
141				54.92
142				56.02
143				57.02
144				58.12
145				59.02
146				60.22
T.P.	11.22	74.58	0.56	60.52
147				61.42
148				62.22
149				63.52
150				63.56
151				64.88
152				66.38
153				67.78
154				68.98

Sta.	+	0	-	Pod	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.	+	0	-	Pod	Elev.
+50				6.8	88.35
+85.20				7.0	88.15
155				6.5	88.65
+50				4.9	90.25
156				4.1	91.05
+50				2.2	92.45
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.	+	-	Pod	Clav.
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			0.7	126.63
168			0.9	126.43
	23.98		2.66	

Sta.	+	-	Pod	Clav.
+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
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	104.97
B.M. (179) Flow Ridge			0.34	106.14
+50			3.85	102.63
175			3.5	102.98
	2.41		23.26	

Sta.	+	0	-	Dist	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	25.69	
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		10.28		

Sta.	+	0	-	Dist	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.	+	-	Pod	Clav.
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.	+	-	Pod	Clav.
			10.1	83.78
			10.6	83.28
			10.6	83.28
			10.4	83.48
			9.9	83.98
			9.0	84.88
			9.1	84.78
			8.9	84.98
			9.0	84.88
			8.4	85.48
			8.1	85.78
			7.6	86.28
			7.6	85.28
				86.46
			10.5	86.24
			10.4	86.34
			9.7	87.04

T.P. 10.28 96.74 7.42

205

+50

Sta.	+	0	-	Pod	Clar.
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	93.54
212				6.8	94.14
+50				6.4	94.54
213				6.7	94.24

Sta.	+	0	-	Pod	Clar.
				7.2	93.74
				7.7	93.24
				7.8	93.14
				8.8	94.14
				8.6	92.34
				9.1	91.84
				9.4	91.54
				8.4	92.54
				9.0	91.94
				8.7	92.24
				8.8	92.14
					92.30
				T.P.	5.17 97.47 8.64
				6.2	91.27
				7.1	90.37
				8.0	89.47
				8.6	88.87
				9.2	88.27
				219	
				+50	
				220	
				+50	
				221	

Sta.	+	0	-	Dist	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	-	Dist	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
+50				7.1	90.82
233				3.5	94.42
+50				3.0	94.92
T.P.	5.19	101.59	1.52		96.40
234				4.9	96.69
+50				3.8	97.79
235				8.4	93.19
+50				2.9	98.69
236				2.9	98.69
+50				10.82	90.77

Sta.	+	-	Dist	Elev
			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	7.28	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.	+	-	Dist	Elev
			8.4	90.38
			9.5	89.78
			10.2	88.58
			10.7	88.08
			10.6	88.18
			10.5	88.28
			10.4	88.38
			9.9	88.88
			9.1	89.68
			8.84	89.94
			10.5	90.81
			9.4	91.91
			8.3	93.01
			7.7	93.61
			6.3	95.01
			4.9	96.41
			4.1	97.21

R.R. Culvert opp. Sta. 24 (4' x 8')

244
245
246
247
T.P. 11.37 101.31 8.84

Sta.	+	0	-	Dist.	Elev.	Sta.	+	0	-	Dist.	Elev.
+50				3.2	98.11	259					
252				3.1	98.21	+50					
+50				3.1	98.21	260					
253				3.0	98.31	+50					
+50				3.5	97.81	261					
254				4.1	97.21	+50					
T.P.	8.89	106.15	4.05		97.26	T.P.	2.50	100.69	7.96		
+39.70				9.5	96.65	262					
+50				9.3	96.85	+50					
255				8.4	97.75	263					
+50				7.2	98.95	+50					
256				6.3	99.85	264					
+50				6.0	100.15	+50					
257				5.7	100.45	265					
+50				6.2	99.95	+50					
258				6.8	99.35	266					
+50				7.2	98.95	+50					

Sta.	+	0	-	Dist.	Elev.
				7.7	98.45
				8.1	98.05
				8.0	98.15
				8.3	97.85
				8.1	98.05
				8.2	97.95
					98.19
				3.1	97.59
				3.2	97.49
				3.9	96.79
				5.2	95.49
				6.1	94.59
				7.4	93.29
				8.4	92.29
				8.0	92.69
				7.8	92.89
				7.6	93.09

Sta.	+	0	-	Pod.	Elev.	Ma.
267				7.5	93.19	275
+50				7.4	93.29	T.P. 11.30 114.21 1.01
268				7.1	93.59	+50
+50				6.8	93.89	276
269				6.3	94.39	+50
T.P.	9.33	103.91	6.11	94.58		277
+50				9.1	94.81	+50
270				8.7	95.21	278
+50				8.5	95.41	T.P. 7.53 120.73 1.00
271				8.5	95.41	+50
+50				8.4	95.51	+75
272				8.4	95.51	279
+50				7.5	96.41	+50
273				6.8	97.11	280
+50				5.5	98.41	+43
274				4.6	99.31	Bridge +70
+50				4.1	99.81	+73

Pod.	Elev.
2.4	101.51
	102.90
9.1	105.11
5.0	109.21
4.5	109.71
2.3	111.91
2.3	111.91
1.2	113.01
	113.20
5.8	114.93
4.9	115.83
5.1	115.63
8.3	112.43
5.9	114.83
6.4	114.33
12.2	108.53
7.0	113.73

Sta.	+	-	Pod	Elav.
281			6.2	114.58
+50			4.6	116.13
282			3.6	117.18
+50			3.2	117.58
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.	+	-	Pod	Elav.
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
291			5.7	126.42
+50			7.6	124.52
292			8.1	124.02
+50			8.0	124.12
293			9.2	122.92
+50			7.4	124.72
294			4.0	128.12
+50			3.6	128.52
295			0.9	131.22
+50			1.1	131.02
296			4.5	127.62
+50			3.4	128.72

Sta.	+	0	-	Pod	Clear
$1+1\frac{1}{2}$ 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	157.29	1.90		150.49
	22.55		3.38		

Sta.	+	0	-	Pod	Clear
				2.3	148.99
				2.7	148.59
				1.0	150.29
				1.5	149.79
				2.8	148.49
				4.1	147.19
				5.9	145.39
				7.2	144.09
				8.5	142.79
				7.8	141.49
				10.7	140.59
				T.P.	2.87 143.51 10.65
					140.64
				4.9	138.61
				10.0	139.51
				11.9	131.61
				8.2	135.31
				10.2	133.31

No.	+	0	-	Red	Clear
T.P.	3.13	135.13	11.51		132.00
+50				3.9	131.23
Cont. Grand Ave Plug and Sully around by +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

No.	+	0	-	Red	Clear
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
+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.	+	0	-	Pod	Elav.
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.	+	0	-	Pod	Elav.
331				3.9	106.55
+50				4.2	106.25
+59 = Cuts				4.2	106.25
B.M. (24)			1.94		108.51

Connecticut
Mand. Rec.

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Main Line

(51)

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(52)
1052

Sta.	+	0	-	Pod	Clear	Sta.	+	0	-	Pod	Clear
B.M.C. (#23)	0.82	131.25			130.43	+50				4.8	110.33
T.P.	0.44	120.00	11.69		119.56	6				5.2	111.43
R	0.84	109.27	11.57		108.43	+50				1.5	113.13
11	5.35	103.06	11.56		97.71	T.P.	11.70	125.30	1.03		113.60
Cont. Grand ave rd State St. Bldg = 319+63.7				8.54	94.52	7				10.2	115.10
+50				8.1	94.96	+50				7.9	117.40
1				9.6	93.46	8				5.2	120.10
+50				9.3	93.76	+50				3.3	122.00
2				9.8	93.26	9				0.0	125.30
3 rd est. +10				10.9	92.16	T.P.	11.67	136.97	0.00		125.30
+50				6.7	96.36	+50				7.5	129.47
3				2.2	100.86	10				3.4	133.57
T.P.	11.61	114.63	0.04		103.02	T.P.	11.85	148.82	0.00		136.97
+50				10.5	104.13	+50				11.5	137.32
4				8.2	106.43	11				8.0	140.82
+50				6.5	108.13	+50				4.5	144.32
5				5.3	109.33	12				2.3	146.52
	19.06		34.86				15.22		1.03		

53

(53)

Sta.	+	0	-	Red	Plan
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	159.06
17				2.5	158.16
+50				1.7	158.96
18				0.5	160.16
T.P.	9.59	169.82	0.43		160.28
+50				8.9	160.92
19				7.2	162.62
+50				4.8	165.02
	21.43		0.43		

54
80

Sta.	+	0	-	Red	Plan
					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

No.	+	0	-	Red	Elev.
+25				9.7	150.84
Cent. Prospect st. (approx)				10.1	150.34
+50					
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		

No.	+	0	-	Red	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	109.72	10.81		108.86
	1.70	107.05	10.07		99.35
+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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357

(57)

Sta.	+	0	-	Pod	Elev.
36				2.7	102.11
+50				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		83.03
+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				7.0	96.21
	23.93		23.53		

358

Sta.	+	0	-	Pod	Elev.
40				5.8	99.41
+50				3.2	102.01
+85				3.0	102.21
T.P.				5.4	99.81
+15				15.1	90.11
+34				16.3	88.91
+55				7.8	95.41
T.P.				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		

59

(59)

Sta.	+	0	-	Prod	Elav.
Near Lake, La Jolla road				1.6	118.55
+71					
B.M. (#26)				0.61	119.54
44 + 41				4.6	115.55
+71				7.3	112.85
45				11.4	108.95
+50				13.2	106.95
+12 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	+50
48				3.7	106.20
+29				7.4	102.50
+50				8.0	101.90
49				8.2	101.90
+30				8.6	101.30
+50				11.2	98.90

60

(60)

Sta.	+	0	-	Prod	Elav.
T.P.	1.31	100.23	10.98		98.92
+75					5.1
50					3.9
+50					2.7
51					5.3
+50					11.6
3'x6' Brc 52					10.9
Chy +33					8.88
+50					8.4
53					7.0
+50					10.0
T.P.	0.60	89.87	10.96		89.27
54					6.8
+50					11.6
55					11.5
+50					9.0
56					12.3

1.91

21.94

61/27/61

(6)

162

No.	+	0	-	Pod	Elev.	No.	+	0	-	Pod	Elev.
+30				10.7	79.17	62				3.0	70.66
+50				11.8	78.07	+50				10.7	62.96
T.P.	1.70	80.14	11.43		78.44	63				9.9	63.76
+60				3.0	77.14	+25				9.6	64.06
57				2.2	77.94	+50				11.4	62.23
+50				4.9	75.24	T.P.	0.99	63.22	11.43		
58				9.4	70.74	64				7.0	56.22
+50				10.8	69.34	1x1/2 Part				9.1	54.12
59				10.8	69.34	+50				4.9	58.32
+50				9.4	70.74	+80				3.0	60.22
B.M. +73	Aug 1.47	78.66	7.95		72.19	66				7.1	56.12
60				6.3	67.36	T.P.	5.71	57.09	11.84		51.38
+25				8.7	64.96	+50				7.5	49.59
+50				8.3	65.36	67				7.3	49.79
61				6.8	66.86	+50				6.6	50.49
+50				4.6	69.06	68				5.9	51.19
+85				1.8	71.86	+50				5.9	51.19
	3.17		19.38				6.70		23.27		

1063

(63)

Sta.	+	0	-	Rid	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	+50
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

8064

(64)

Sta.	+	0	-	Rid	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				3.9	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.	+	0	-	Pod	Clar.
+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 Mouth of Cañon				6.25	86.29
+53					
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.	+	0	-	Pod	Clar.
+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	133.27	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		

67

(67)

Sta.	+	0	-	Rad	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				2.87	153.32
102				1.5	154.19
T.P.	11.88	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		

(68)

68

Sta.	+	0	-	Rad	Elev.
				7.7	169.54
				5.8	171.44
				5.2	172.04
				6.5	170.74
				4.4	172.84
				1.9	175.34
				T.P.	11.91
				188.25	0.90
				10.4	177.85
				8.8	179.45
				11.8	176.45
				9.6	178.65
				4.8	183.45
				8.1	180.15
				1.8	186.45
				T.P.	11.84
				199.12	0.97
				9.14	189.98
				9.2	189.92
				2.375	
				1.81	

Sta.	+	0	-	Red	Elev.
+20				11.6	187.52
+40				8.6	190.52
+50				8.9	190.22
110				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.P.	11.38	220.57	0.86		209.19
	23.14		1.69		

Sta.	+	0	-	Red	Elev.
+50				8.5	212.07
115				2.9	217.67
Plug +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
Plug +08				7.61	233.99
+50				7.9	233.90
				22.68	1.65

Sta.	+	0	-	Pod	Elav.
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	243.20
122				9.4	243.48
Plug +29				6.33	246.50
+50				5.1	247.78
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					
1.35					
1.69					

Sta.	+	0	-	Pod	Elav.
T.P.	10.74	273.27	0.74		262.53
126				9.3	263.97
+50				5.0	268.27
Plug +25				4.60	268.67
127				5.0	268.27
+50				7.4	265.87
T.P.	10.67	288.25	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					

73

(73)

Stn.	+	0	-	Red	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	302.36
+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

22.60

2.08

74

(74)

Stn.	+	0	-	Red	Elev.
+62				2.6	312.04
T. P.	11.43	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

1.67

12/31/61

Stn.	+	0	-	Red.	Elev.
T.P.	11.59	346.44	0.65		334.85 149
+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	348.20 150
+50				3.9	352.80 +50
+76				2.5	354.20 151
146				0.8	355.90 +50
T.P.	10.54	366.49	0.75		355.95
+50				11.2	355.29 152
147				9.2	357.29 +50
Head of Cañon +50				5.4	361.09 153
148				2.9	363.59 +50
+50				4.9	361.59 154
	33.43				
		2.44			

	4.8	361.69
T.P.	10.34	375.89 0.94
R.M. (720)	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.	+	0	-	Prod	Elar.
+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.	+	0	-	Prod	Elar.
T.P.	11.41	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				10.3	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
plug +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		

0879

(79)

Sta.	+	0	-	Red	Class.
169				9.8	387.79
+50				8.4	389.19
170				7.2	390.39
+50				6.1	391.40
171				5.6	391.99
+50				5.9	391.69
172				5.6	391.99
+50				5.9	391.69
Min. 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	

0880

Sta.	+	0	-	Red	Class.
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				5.2	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.	+	0	-	Pod	Elav.
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.	7.06	396.86	11.33		387.80
189				11.1	385.76
+50				13.6	383.26
14 1/2 BT +75				14.7	382.16
190				13.4	383.46
+50				12.8	384.06
191				13.0	383.86

Sta.	+	0	-	Pod	Elav.
				14.4	382.46
				13.1	383.76
				11.8	385.06
				9.7	387.16
				7.6	389.26
				6.6	390.26
				6.3	390.56
				6.6	390.26
				7.0	389.86
				7.7	389.16
T.P.	4.41	393.93	7.34		389.52
				5.6	388.33
				8.0	385.93
				8.7	385.23
				7.3	386.63
				7.4	386.53
				4.9	389.03

Sta.	+	0	-	Red	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	9.25		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.	+	0	-	Red	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.	+	0	-	Pod	Elev.
215				9.9	367.54
+50				10.9	366.54
216				11.6	365.54
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.	+	0	-	Pod	Elev.
				7.7	353.91
				7.5	354.11
				7.5	354.11
				7.4	354.21
				7.3	354.31
				7.2	354.41
				7.4	354.21
				5.85	355.76
				7.5	354.11
				7.8	353.81
				7.9	353.71
				7.9	353.71
				7.7	353.91
				T.P.	11.06 365.18 7.49
				11.2	353.98
				12.7	354.48
				10.1	355.08

8887

(87)

Sta.	+	0	-	Red	Blas.
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	243
+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

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Sta.	+	0	-	Red	Blas.
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
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.	+	0	-	Ord	Clas.
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				4.5	374.89
250				3.3	375.89
+50				3.6	375.39
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.	+	0	-	Ord	Clas.
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
257				8.6	363.58
+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.	+	0	-	Pod	Elav.
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				4.6	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.	+	0	-	Pod	Elav.
	+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

Sta.	+	0	-	Red	Class.
+50				8.0	390.26 284
277				6.6	391.66 +50
+50				4.9	393.36 285
278				3.7	394.56 +50
G.M. (+33)				1.04	396.92 T.P.
+50				2.5	395.76 286
279				1.3	396.96 +50
T.P.	10.79	407.95	1.10		397.16 287
+50				10.1	397.85 +50
280				9.0	398.95 288
+50				7.9	400.05 +50
281				6.7	401.23 289
+50				5.8	402.15 +50
282				5.0	402.95 290
+50				4.5	403.45 +50
283				4.5	403.45 291
+50				5.3	402.65 292

Sta.	+	0	-	Red	Class.
				6.1	401.85
				6.8	401.15
				7.4	400.55
				8.5	399.45
					399.78
				5.37	405.15 8.17
				7.4	397.75
				9.3	395.85
				11.0	394.15
				8.7	396.45
				6.1	399.05
				4.4	400.75
				4.2	400.35
				4.7	400.45
				3.7	401.45
				2.9	402.25
				2.7	402.45
				4.6	400.55

	Sta.	+	0	-	Dist	Elev
	T.P.	4.87	405.76	4.26		400.89
27	293				9.0	396.76
	294				11.7	394.06
27	295				11.0	394.76
15	+50				10.3	395.46
	296				9.6	396.16
27	+50				9.1	396.66
	297				8.9	396.86
	+50				9.7	396.56
2	298				9.6	396.16
	T.P.	8.82	400.17	9.41		396.35
2	+50				4.3	395.87
	299				4.8	395.37
2	+50				5.1	395.07
	300				5.4	394.77
1	+50				5.6	394.57
	301				5.5	394.67
		8.69		13.67		

	Sta.	+	0	-	Dist	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		

1972

30
 30
 Davis
 Sta.

	+	0	-	Pod	Elev.
	+50			3.9	415.08
2	309			3.6	415.38
	+50			3.3	415.68
2	310	T.P. 11.27	427.80	2.45	416.53
	+50			10.2	417.60
	311			9.7	418.10
2	+50			8.9	418.90
	312			8.1	419.70
	+50			7.2	420.60
2	313			6.6	421.20
	+50			5.7	422.10
2	314			4.8	423.00
	+50			4.3	423.50
	315			4.2	423.60
	+50			4.3	423.50
2	316			4.5	423.30
	+50			5.0	422.80

(77)

	+	0	-	Pod	Elev.		
				3.17	422.20		
				+50	6.2	421.60	
				3.18	420.80		
				+50	7.7	420.10	
				T.P. 2.25	422.54	7.57	420.29
				3.19	419.44		
				+50	3.7	418.84	
				3.20	418.34		
				+50	4.4	418.14	
				3.21	417.84		
				+50	4.8	417.74	
				3.22	417.94		
				+50	4.8	417.74	
				3.23	418.04		
				+50	4.0	418.54	
				3.24	419.14		
				+50	3.2	419.34	

98

Sta.	+	0	-	Pool	Elev.
+50				3.2	419.34
2 325	1.07	420.01	3.60	3.6	418.94
+50				1.6	418.41
2 326				2.8	417.21
+50				4.7	415.31
327				6.6	413.41
+50				9.0	411.01
T. P.	0.40	408.71	11.70	12.1	407.91
328					408.31
+50				4.5	404.21
329				7.4	401.31
+50				10.0	398.71
T. P.	0.10	396.84	11.97	11.9	396.81
330					396.74
+50				1.1	395.74
331				2.3	394.54
	1.57			3.8	393.04
		27.27			

Sta.	+	0	-	Pool	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			

Sta	+	e	-	Prd	Elav	Sta.	+	e	-	Prd	Elav
339					10.6	364.00					
Plug	+08				10.72	363.90	345			11.7	342.30
	+50				10.9	363.72				12.7	341.30
340					11.8	362.81	346			12.7	341.30
T. P.	1.94	364.76	11.80		362.81	Plug				12.3	341.70
	+20				2.1	362.61	Plug	+14	4.25	347.06	11.19
	+40				4.2	360.56				4.4	342.66
	+50				6.1	358.66				6.2	340.86
341					8.2	356.56	347			7.1	339.96
	+50				9.6	355.16				6.1	340.96
342					11.2	353.56	348			5.5	341.56
T. P.	1.03	354.00	11.79		352.97	349				4.9	342.16
	+50				1.8	352.20				4.7	342.36
343					3.5	350.50	350			5.4	341.66
	+30				4.4	349.60				5.1	341.96
	+50				6.9	347.10	351			3.9	343.16
344					8.9	345.10				2.4	344.66
							352			0.8	346.26

2.27 28.50

No.	+	0	-	Red	Clas.
T. P.	6.22	352.50	0.78		346.23 360
+50				3.8	348.70 +50
353				1.7	350.80 361
+50				2.1	350.40 +50
354				4.9	347.60 362
+48 Δ				6.8	345.70 +50
355				11.3	341.70 363
T. P.	0.15	341.52	11.13		341.97 +50
+50				2.9	338.67 364
356				4.0	337.57 +50
+50				4.8	336.77 T. P. 6.20 340.38 7.34
357				5.0	336.57 365
+50				5.3	336.27 Pay +34 Δ
358				5.2	336.37 T. P. 0.29 328.79 11.88
+50				5.3	336.27 +50
359				5.3	336.27 +70
+50				5.6	335.97 366
	6.37		14.91		

No.	+	0	-	Red	Clas.
					5.9 335.62
					6.9 334.62
					8.1 333.42
					8.9 332.62
					9.6 331.92
					10.0 331.52
					10.2 331.32
					10.3 331.22
					9.4 332.12
					7.5 334.02
					334.18
					2.2 338.18
					0.63 339.75
					328.50
					5.7 323.09
					3.4 325.39
					9.2 319.59
	6.47		12.32		

No.	+	0	-	Per	Class
	+50			13.8	314.99
	+80			11.2	317.59
367				11.4	317.89
	+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
Plus T.P.	+34	1.76	323.03	7.52	321.27
	+50			2.3	320.93
370				5.3	319.73
	+50			6.8	316.73
371				5.6	317.43
Tony Riser	+38			5.9	317.13
B.M. (#35)			0.77		322.26 ^y

107

(107)

108

109

(109)

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(11)

112

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(113)

114

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(115)

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117

(17)

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121

(121)

122

1923

(21)

1924

125

(125)

126

Levels for Prod West of
 ("Main line") to Prospect and Racina, (127)

Here
 Delay
 Sta.

	+	0	-	Red	Elav
B. M. (#20)	3.46	89.20			85.74
0 182+08.5				1.6	87.60
+25 cont. track haul & rails				2.6	86.60
+69.5				6.25	82.95
+90.				4.9	84.30
1 + 70				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
 to Jolly A Line

Sta.	+	0	-	Red	Elav.
T. P.	5.86	86.22	8.84		80.36
				4.58	6.5
7					6.5
				4.50	5.9
8					5.7
				4.50	6.3
9					6.6
				4.50	6.6
10					6.4
				4.50	6.5
11					6.6
				4.50	6.1
12					6.5
				4.50	6.1
T. P.	4.48	84.70	6.00		80.22
13					4.8
				4.50	4.7

081

Sta.	+	-	Pod	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

(129)

082

Sta.	+	-	Pod	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. (421)			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			4.5	85.78
29			4.0	86.08

Sta	+	0	-	Red	Bar.
+50				3.9	86.18
+94.0				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	+	0	-	Red	Bar.
+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

No.	+	0	-	Pod	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	83.53
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

No.	+	0	-	Pod	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
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	3.89		90.52
56				4.6	90.27
+50				4.0	90.87

Sta.	+	0	-	Red	Clear
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.	+	0	-	Red	Clear
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		89.83
+50				2.5	89.56
72				2.2	89.86
+50				2.3	89.76

Sta.	+	-	Pod	Elev.	Sta.	+	-	Pod	Elev.
73			2.8	89.26	81			4.6	84.82
+50			3.0	89.06	+50			5.0	84.42
74			3.5	88.56	82			5.6	83.82
+50			3.8	88.26	+50			6.0	83.42
75			4.0	88.06	83			7.0	82.42
+50			4.0	88.06	+50			7.4	82.02
76			3.8	88.26	84			8.0	81.42
+50			4.0	88.06	+50			7.6	81.82
77			3.8	88.26	85			6.8	82.62
+50			3.9	88.16	+50			3.9	85.52
78			3.6	88.46	T.P.	4.16	89.72	3.86	85.86
+50			3.7	88.36	86			2.9	86.82
T.P.	2.95	89.42	3.59	88.47	7+45 = P.T.			2.3	87.42
79			1.7	87.72	look in late right			1.50	88.22
+50			2.6	86.82	A.M.			1.8	87.92
80			3.2	86.22	+50			2.2	87.52
+50			4.0	85.42	88			3.0	86.72

Sta.	+	0	-	Dist	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				8.4	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	-	Dist	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
<small>at NW cor part of bridge, P. Sta 99+20 B.M.</small>					
				0.55	73.12
+42				2.8	70.87
+50				3.9	69.77
+65				8.2	65.47
97				7.2	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

(4)

Sta.	+	0	-	Red	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.	+	0	-	Red	Elev.
107				2.9	78.54
+50				3.5	77.94
108				4.0	77.44
+50				4.6	76.84
109				7.4	74.04
+50				8.9	72.54
+57				9.5	71.94
+70				13.4	68.04
110				9.8	71.64
+20				8.6	72.84
+36				9.9	71.54
T.P.	0.83	72.70	9.57		71.87
+50				11.0	61.70
+55				6.4	66.30
+65				3.1	69.60
+72				6.6	66.10
+80				1.4	71.30

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Sta.	+	0	-	Red	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.	+	0	-	Red	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. 1261					8.0	67.48
+74.4 Δ						
125					7.4	68.08
+50					5.8	69.68
126					8.9	71.58

Sta.	+	0	-	Red	Elev.
+08.8	Qty. Cent. Alice and S. Roundly				
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		62.05
+50				1.5	63.14

Sta.	+	0	-	Red	Elev.
134					3.1
+30					4.6
+50					6.9
Cent. Alice and Parson					9.3
+73					7.6
135					3.3
+50					2.5
+66					5.5
136					53.95
T. P.	2.64	56.23	11.05		4.8
+50					7.3
+62.5					45.98
T. P.	0.60	46.58	10.25		9.2
+88					45.98
T. P.	11.74	57.72	0.60		57.15
T. P.	11.82	68.97	0.57		9.7
137 + 15					3.5
+50					65.47

No.	+	0	-	Pod	Clear
137+95 Plug					
B.M. Δ	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				6.74	69.57
T.P.	8.60	88.10	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

149

(149)

(150)
150

151

(w)

152

152

153

(153)

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Benchmarks North of the River

No.	Elav.	
1	11.98	Cop. tack. tops E. Rice, S end Iron Bridge
2	23.24	" " " 4" x 4" Post (U.S. G.S. N. 27)
3	10.87	Spike in Cor. Post Near Pond
4	28.67	80x top of ring 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 & 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 B Emcke 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 Mr. Corry'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.	Elav.	
18	(36.37)	Spike in tel. pole near S.W. cor. 2nd and Alabama
19	106.15	Cop. tack. top of East end South Mud rail Bridge on La Jolla Road
20	85.74	Spike in tel. pole 100' south of R.R. Crossing (La Jolla Road)
21	(84.64)	Spike in tel. pole opp. Sta 207+50 (P.C.)
22	(90.77)	in East end of Cape. North end F.B. R.R. Bridge
23	130.43	Plug. East line Grand Ave. and Southern Boundary La Jolla
24	108.51	Spike in tel. pole near the S.E. cor. Connecticut and Grand Ave.
25	157.24	Plug. S.W. Cor. State and Prospect
26	119.54	Spike in North gate post on La Jolla Road near Sta 20+71
27	78.42	Spike in tel. pole. Right side 85. Near mouth of Canon
28	369.90	Spike in tel. pole at head of Canon, near La Jolla and Granada Blvd
29	371.91	North Cor. Granite Monument to P.L's 1296, 1299, 1310 and 1312
30	370.77	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, 1320 and 1324
32	372.27	South Cor. Granite Monument to P.L's 1323, 1324, 1325 and 1326
33	376.92	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

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Bench North of the River (157)

No. Elev.

35 322.26 Spike in Pine tree 20' Right Sta
370

(158)
158

159

(159)

76

3

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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 2/3
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
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