Levels over Center line Boulevard from the S.W. corner of P.L. 102 to Roseville, and from Roseville to a Connection with the Constructed Road at 38th and Tide St.

Page 1 to 13 and from 59 to 70

Center line of Proposed Boulevard from the S.W. cor of P.L. 102 and thence through Ocean Beach to the West End of Gov't Dyke, thence connecting with the Roseville Road and from the West End of Gov't Dyke to the Graded Road across the Old Town Flats.

Page 18 to 58 and from 71 to 77

F.B. 124

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

Minutes	Lks.	Minutes	Lks.	Minutes	Lks.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

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City Hall, San Diego, Cal.
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TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
°		°		°		°	
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

Level
~~Transit~~ Notes — 1

124

Surveys of Boulevard.

Book no. 124

name

date

ffice
l.

10/9/'01
Rumsey, Level
Williams, Rod
Kerr, Chain

Levels over center line of Boulevard, from the South West corner of P. L. 102 to Roseville

Sta.	B. S.	H. I.	F. S.	Rod	Elev.			
B. M.	1.26	376.29 ~~401.26~~			375.03 ~~400.00~~	City Datum Plug N.W. cor Reservoir fence (Elev assumed)		
0				2.0	374.29	371.43 ⊙	+ 2.9	400.00
+50				3.1	373.19	371.95	+ 1.2	1.26
1				4.3	371.99	372.47	− 0.5	⊖ 401.26
+50				4.9	371.39	372.99	− 1.6	3.51
2				5.4	370.89	373.51	− 2.6	397.75
+18.8				5.6	370.69	373.71	− 3.0	5.33
+50				4.8	371.49	374.03	− 2.5	⊖ 403.08
+60								11.55
T. P.	5.33	378.11 ~~403.08~~	3.51		372.78 ~~397.75~~			391.53
3				5.2	372.91	374.55 1.04%	− 1.6	1.00
+50				2.9	375.21	375.07	+ 0.1	⊖ 392.53
+60						374.00 ⊙		
+79				1.3	374.81	374.00	+ 0.8	375.03
4				1.7	376.41	374.00 0.0	+ 2.4	1.26
+50				3.0	375.11	374.00	+ 1.1	⊖ 376.29
+60						374.00 ⊙		
5				4.1	374.01	372.86	+ 1.2	3.51
+50				5.7	372.41	371.43 2.85714	+ 1.0	372.78
6				7.4	370.71	370.00 ⊙	+ 0.7	5.33
+50				10.5	367.61	367.50	+ 0.1	⊖ 378.11
T. P.	1.00	367.56 ~~392.53~~	11.55		366.56 ~~391.53~~			11.55
7				2.6	364.96	365.00 5.00	0.0	366.56
+50				5.5	362.06	362.50	− 0.4	1.00
	7.59		15.06					⊖ 367.56

Sta	B. S.	H. I.	F. S.	Rod	Elev					
8				8.00	359.56	360.00 ⊙	—	0.4		~~0~~ 392.53
										11.56
+50				10.3	357.26	358.75	—	1.5		380.97
										1.09
9				11.9	355.66	357.50	—	1.8		~~0~~ 382.06
		357.09			356.00					
T. P.	1.09	~~382.06~~	11.56		~~370.97~~					10.82
										371.24
+50				2.6	354.49	356.25 2.50	—	1.8		2.10
										~~0~~ 373.34
10				2.9	354.19	355.00 ⊙	—	0.8		
+50				2.6	354.49	354.50		0.0		
+84.3				2.0	355.09	354.16	+	0.9		~~0~~ 367.56
										11.56
11				2.4	354.69	354.00 1.00	+	0.7		356.00
										1.09
+50				3.4	351.69	353.50	—	1.8		~~0~~ 357.09
										10.82
12				4.3	352.79	353.00 ⊙	—	0.2		346.27
										2.10
+50				5.5	351.59	351.83	—	0.2		~~0~~ 348.37
13				6.7	350.39	350.66	—	0.3		
+50				7.9	349.19	349.49	—	0.3		
14				9.2	347.89	348.32 2.33	—	0.4		
+50				10.2	346.89	347.15	—	0.3		
15				11.2	345.89	346.00 ⊙	—	0.1		
+50				12.1	344.99	345.75	—	0.8		
		348.37			346.27					
T. P.	2.10	~~373.34~~	10.82		~~371.24~~					
16				3.9	344.47	345.50 0.50	—	1.0		
+50				4.2	344.17	345.25	—	1.1		
	3.19		22.38							

Sta.	B.S.	H.I.	F.S.	Rod	Elev.					
17				4.3	344.07	345.00	⊙	—	0.9	~~0~~ 373.34
										10.19
+50				4.3	344.07	344.67		—	0.6	363.15
										0.63
18				4.6	343.77	344.34		—	0.6	~~0~~ 363.78
+50				4.7	343.67	344.01		—	0.3	
19				5.0	343.37	343.68	0.67	—	0.3	
+50				5.2	343.17	343.35		—	0.2	
20				6.0	342.37	343.00	⊙	—	0.6	~~0~~ 348.37
										10.19
+50				6.7	341.67	342.38		—	0.7	338.18
										0.63
21				7.6	340.77	341.75		—	1.0	~~0~~ 338.81
+50				8.3	340.07	341.13		—	1.1	
22				8.7	339.67	340.50		—	0.8	
+50				9.5	338.87	339.88	1.25	—	1.0	
23				10.2	338.17	339.25		—	1.1	
					338.18					
T.P.	0.63	338.81 ~~339.78~~	10.19		~~339.15~~					
+50				1.1	337.71	338.63		—	0.9	
24				1.6	337.21	338.00	⊙	—	0.8	
+50				2.2	336.61	337.12		—	0.5	
25				3.0	335.81	336.24		—	0.4	
+50				4.1	334.71	335.36		—	0.7	
26				5.3	333.51	334.48		—	1.0	
+50				6.3	332.51	333.60	1.75	—	1.1	
	0.63		10.19							

~~+~~ 363.78
7.23
356.55 ✓

Sta.	B. S.	H. I.	F. S.	Rod	Elev.				
		(~~363.78~~)							
27				7.4	331.41	332.72		− 0.3	~~+~~ 363.78
B.M.				7.23	331.58 ~~356.55~~	Spike in Tel. Pole R. Sta. 27			10.69
+50				8.4	330.41	331.84		− 1.4	353.09
28				9.2	329.61	331.00	⊙	− 1.4	0.57
+50				10.0	328.81	329.50		− 0.7	~~+~~ 353.66
29				11.0	327.81	328.00		− 0.2	11.59
T.P.	0.57	328.69 ~~353.66~~	10.69		328.12 ~~356.55~~		3.00		342.07
+50				2.4	326.29	326.50		− 0.2	0.33
30				4.2	324.49	325.00	⊙	− 0.5	~~+~~ 342.40
+50				6.5	322.19	322.42		− 0.2	11.67
31				9.0	319.69	319.84		− 0.2	330.73 ✓
+50				11.5	317.19	317.26		− 0.1	0.50
T.P.	0.33	317.43 ~~342.40~~	11.59		317.10 ~~342.07~~				~~+~~ 331.23
32				3.0	314.43	314.68		− 0.3	~~+~~ 328.81
+50				5.9	311.53	312.10		− 0.6	10.69
33				8.7	308.73	309.52		− 0.8	328.12
+50				11.5	305.93	306.94		− 1.0	0.57
B.M.	0.50	306.26 ~~331.23~~	11.67		305.76 ~~330.73~~ ✓	Spike in fence post L Sta 33+75			~~+~~ 328.69
34				3.3	302.96	304.36		− 1.4	11.59
+50				5.5	300.76	301.78		− 1.0	317.10
35				8.0	298.26	299.20		− 0.9	0.33
	1.40		33.95				5.17		~~+~~ 317.43
									11.67
									305.76
									0.50
									~~+~~ 306.26

10/16/0

Sta.	B.S.	H.I.	F.S.	Rod	Elev
		~~331.23~~			
+50				10.0	296.26
36				11.9	294.36
		297.47			294.69
T.P.	2.78	~~322.45~~	11.57		~~319.66~~
+50				5.0	292.47
37				6.4	291.07
+37				7.6	289.87
+50				8.0	289.47
38				10.2	287.27
+50				12.1	285.37
		286.81			285.76
T.P.	1.05	~~311.79~~	11.71		~~310.74~~
39				3.9	282.91
+50				6.0	280.81
40				7.2	279.61
+50				9.0	277.81
41				11.2	275.61
		276.93			275.71
T.P.	1.22	~~301.91~~	11.10		~~300.69~~
+50				4.0	272.93
42				7.3	269.63
+25				7.9	269.03
+50				6.8	270.13
+75				5.9	271.03
	5.05		34.38		

	296.62		−	0.4
X	294.00	⊙	+	0.4
	292.00		+	0.5
	290.00		+	1.1
	288.52	400	+	1.4
	288.00		+	1.5
X	286.00	⊙	+	1.3
	284.25		+	1.1
	282.50		+	0.4
	280.75		+	0.1
	279.00		+	0.6
	277.25	350	+	0.6
	275.50		+	0.1
	273.75		−	0.8
X	272.00	⊙	−	2.4
	271.62.5		−	2.6
	271.25		−	1.1
	270.87.5	150	+	0.2

~~331.23~~
11.57
319.66
2.78
~~322.45~~
11.71
310.74
1.05
~~311.79~~
11.10
300.69
1.22
~~301.91~~

~~306.26~~
11.57
294.69
2.78
~~297.47~~
11.71
285.76
1.05
~~286.81~~
11.10
275.71
1.22
~~276.93~~

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		~~(301.91)~~							
43				5.9	271.03	270.50		+ 0.5	~~0~~ 301.91
									10.22
+50				8.0	268.93	279.75		− 10.8	291.69
44.						269.00	⊙		0.38
44+03				10.0	266.93	268.83		− 1.9	~~0~~ 292.07
									11.45
+50				9.7	267.23	266.75		+ 0.5	280.62
									0.73
+89.5				10.2	266.73	264.97		+ 1.8	~~0~~ 281.35
		267.09			266.71				11.87
B.M.	0.38	~~292.07~~	10.22		~~291.69~~	Plug. Sta. 44+89.5			269.48
45				0.9	266.19	264.50	4.50	+ 1.7	0.60
									~~0~~ 270.08
+50				2.8	264.29	262.25		+ 2.0	11.13
46				4.8	262.29	260.00	⊙	+ 2.3	258.95
									0.96
+50				7.3	259.79	256.37.5		+ 3.4	~~0~~ 259.91
47				11.4	255.69	252.75		+ 2.9	
		256.37			255.64				
T.P.	0.73	~~281.35~~	11.45		~~280.62~~				~~0~~ 276.93
									10.22
+50				5.0	251.37	249.12.5		+ 2.2	266.71
									0.38
48				9.1	247.27	245.50		+ 1.8	~~0~~ 267.09
		245.10			244.50				11.45
T.P.	0.60	~~270.08~~	11.87		~~269.48~~		7.25		255.64
									0.73
+50				1.9	243.20	241.87.5		+ 1.3	~~0~~ 256.37
									11.87
49				6.5	238.60	238.25		+ 0.4	244.50
									0.60
+50				11.3	233.80	234.62.5		− 0.8	~~0~~ 245.10
		234.93			233.97				11.13
T.P.	0.96	~~257.91~~	11.13		~~256.95~~				233.97
									0.96
B.M. 44+94.5				6.47	228.46	B.M. 231.39		− 2.9	~~0~~ 234.93
50				6.5	228.43	231.00	⊙	− 2.6	
	2.67		44.67						

Sta.	B.S.	H.I.	F.S						
		~~(259.91)~~							
+50				7.1	227.83	227.92	− 0.1		~~0~~259.91
+70				6.5	228.43	226.68	+ 1.8		11.51
		224.39			223.42				248.40
T.P.	0.97	~~249.37~~	11.51		~~248.40~~				0.97
									~~0~~249.37
+90				3.6	220.79	225.45	− 4.7		11.63
51				5.0	219.39	224.83	− 5.4		237.74
									0.05
+50				9.1	215.29	221.75	− 6.5		~~0~~237.79
									0.24
+82				11.4	212.99	219.78	− 6.8		237.55
									~~4.14~~
+87				6.9	217.49	219.47	− 2.0		~~0241~~.69
52				7.3	217.09	218.67	− 1.6		
		212.81			212.76				
T.P.	0.05	~~224.39~~	11.63		~~223.42~~				~~0~~234.93
									11.51
+50				2.6	210.21	215.58	− 5.4		223.42
									0.97
+73				7.1	205.71	214.17	− 8.5		~~0~~224.39
+83				10.3	202.51	Sta. 52+85 − 1½" × 2' Box = 213.55		− 11.0	11.63
									212.76
+90				6.1	206.71	213.12	− 6.4		0.05
									~~0~~212.81
53				3.3	209.51	212.50	− 3.0		0.24
		216.71			212.57				212.57
T.P.	4.14	~~241.69~~	0.24		~~237.55~~				4.14
									~~0~~216.71
B.M. +33.2				0.15	216.56	Plug 210.45	+ 6.1		
+50				1.3	215.41	209.42	+ 6.0		
+76				6.4	210.31	207.81	+ 2.5		
54				14.5	202.21	206.33	− 4.1		
+03				14.7	202.01	Sta. 54+04 − 1½ × 2' Box = 206.15		− 4.1	
	5.16		23.38						

6.16666

Sta	B. S.	H. I.						
		(~~241.69~~)						
+20				10.8	205.91	205.10	+ 0.8	~~0~~ 241.69
								11.62
+40				9.7	207.01	203.87	+ 3.1	230.07 ✓
								0.09
+50				10.1	206.61	203.25	+ 3.4	~~0~~ 230.16 ✓
		205.18			205.09			11.70
T. P.	0.09	~~230.16~~	11.62		~~230.07~~			218.46 ✓
								0.99
55				4.7	200.48	200.17	+ 0.3	~~0~~ 219.45 ✓
+10				6.4	198.78	199.55	− 0.8	11.87
+50				6.0	199.18	197.08	+ 2.1	207.58 ✓
								0.90
+80.5				5.4	199.78	195.20	+ 4.6	~~0~~ 208.48 ✓
56				3.8	201.38	194.00	+ 7.4	
+30.2				2.3	202.88	192.14	+ 10.7	~~0~~ 216.71
								11.62
+50				1.7	203.48	190.92	+ 12.6	205.09
								0.09
+80.2				4.5	200.68	189.05	+ 11.6	~~0~~ 205.18
								11.70
57				6.1	199.08	187.83	+ 11.3	193.48
								0.99
+50				12.1	193.08	184.75	+ 8.3	~~0~~ 194.47
		194.47			193.48			11.87
T. P.	0.99	~~219.45~~	11.70		~~218.46~~			182.60
								0.90
+60				3.4	191.07	184.13	+ 6.9	~~0~~ 183.50
+70				8.8	185.67	183.52	+ 2.2	
+82				12.1	182.37	182.78	− 0.4	
		183.50			182.60			
T. P.	0.90	~~208.48~~	11.87		~~207.58~~			
+88				5.9	177.60	182.41	− 4.8	
58+27				9.0	174.50	180.00	− 5.5	
	1.98		35.19					

Sta.	B.S.	H.I.	F.S.	Dist.	Elev.				
		~~208.48~~							
+33				13.0	170.50	179.63	−	9.1	~~0~~ 208.48
									0.16
+43				12.6	170.90	Sta. 58+40 − 2'×2' Box = 179.02	−	8.1	208.32
									0.43
+50				7.7	175.80	178.58	−	2.8	~~0~~ 208.75
		183.77			183.34				11.70
T.P.	0.43	~~208.75~~	0.16		~~208.32~~				197.05
									0.31
+80.2				0.2	183.57	176.72	+	6.9	~~0~~ 197.36
									11.33
59				2.5	181.27	175.50	+	5.8	186.03
									1.73
+50				9.9	173.87	172.42	+	1.5	~~0~~ 187.76
		172.38			172.07				
T.P.	0.31	~~197.36~~	11.70		~~197.05~~				
60				2.2	170.18	169.33	+	0.9	
+50				6.2	166.18	166.25	−	0.1	~~0~~ 183.50
									0.16
+60				8.5	163.88	165.63	−	1.8	183.34
									0.43
+88				7.1	165.28	163.91	+	1.4	~~0~~ 183.77
									11.70
61+00				7.7	164.68	163.17	+	1.5	172.07
									0.31
+11.8				8.3	164.08	162.44	+	1.6	~~0~~ 172.38
									11.33
+50				10.2	162.18	160.08	+	2.1	161.05
		162.78			161.05				1.73
T.P.	1.73	~~187.76~~	11.33		~~186.03~~				~~0~~ 162.78
62				3.3	159.48	157.00 ⊙	+	2.5	
+37.5				5.9	156.88	154.73	+	2.2	
+50				5.8	156.98	153.97	+	3.0	
63				6.6	156.18	150.94	+	5.2	
B.M.+26				5.93	156.85	Plug 149.37	+	7.5	
	2.47		23.19						

10/17/61

Sta.	B.S.	H.I.	F.S.	Dist	Elev.
		~~(189.76)~~			
+50				9.3	153.48
		151.72			151.07
T.P.	0.65	~~176.70~~	11.71		~~176.05~~
+75				2.8	148.92
64				4.7	147.02
+23				7.0	144.72
+50				8.2	143.52
		140.66			140.55
T.P.	0.11	~~165.64~~	11.17		~~165.53~~
+77				3.8	136.86
65				2.1	138.56
+30				1.2	139.46
+50				4.4	136.26
66				6.6	134.06
+325				9.0	131.66
+50				10.7	129.96
+70				11.6	129.06
		131.13			128.90
T.P.	2.23	~~156.11~~	11.76		~~153.88~~
+92				6.0	125.13
67				4.5	126.63
+20				2.9	128.23
+50				4.7	126.43
68				1.0	130.13
	2.99		34.64		

- 147.92	+ 5.6		~~0~~ 187.76
			11.71
			176.05 ✓
			0.65
- 146.40	+ 2.5		~~0~~ 176.70 ✓
			11.17
- 144.89	+ 2.1		165.53 ✓
			0.11
- 143.50	+ 1.2		~~0~~ 165.64 ✓
			11.76
- 141.86	+ 1.7		153.88 ✓
			2.23
			~~0~~ 156.11 ✓
- 140.23	− 3.4		
- 138.83	− 0.3		
- 137.02	+ 2.4		~~0~~ 162.78
			11.71
- 135.81	+ 0.5		151.07
			0.65
- 132.73	+ 1.3		~~0~~ 151.72
			11.17
- 130.76	+ 0.9		140.55
			0.11
- 129.70	+ 0.3		~~0~~ 140.66
			11.76
- 128.49	+ 0.6		128.90
			2.23
			~~0~~ 131.13
- 127.16	− 2.0		
- 126.67	0.0		
- 125.46	+ 2.8		
- 123.64	+ 2.8		
- 120.62	+ 9.5		

605555

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
B.M.		(~~155.1~~)			
+08.5				1.48	129.65
+33				6.7	124.43
		120.22			119.30
T.P.	0.92	~~145.20~~	11.83		~~144.28~~
+50				6.1	114.12
+72				14.9	105.32
69				8.7	111.52
+35				4.7	115.52
+50				7.3	112.92
+75				11.1	109.12
		110.06			109.06
T.P.	1.00	~~135.04~~	11.16		~~134.04~~
70				1.4	108.66
+42				4.6	105.46
+50				6.7	103.36
		103.59			98.61
T.P.	4.98	~~128.57~~	11.45		~~123.59~~
+76				8.8	94.79
+86				10.4	93.19
71				8.7	94.89
+50				1.1	102.49
+56				0.8	102.79
		104.15			102.79
T.P.	1.36	~~127.13~~	0.80		~~127.77~~
72				2.9	101.25
					0.4
	8.26		35.24		101.3

Plug	120.10	+ 9.6		~~0~~ 156.11
				11.83
	118.62	+ 5.8		144.28
				0.92
				~~0~~ 145.20
	117.59	− 3.5		11.16
				134.04
				1.00
Sta. 68+72 - 1½' x 2' Box			−116.26 − 10.9	~~0~~ 135.04
	114.56	− 3.0		11.45
				123.59
				4.98
	112.44	+ 3.1		~~0~~ 128.57
				0.80
	111.53	+ 1.4		127.77
				1.36
	110.02	− 0.9		~~0~~ 129.13
	108.51	+ 0.2		
	105.96	− 0.5		~~0~~ 131.13
				11.83
	105.48	− 2.1		119.30
				0.92
				~~0~~ 120.22
	103.90	− 9.1		11.16
				109.06
Sta. 70+86 - 1½ x 2' Box			−103.30 − 10.1	1.00
	102.45	− 7.6		~~0~~ 110.06
				11.45
	99.42	+ 3.1		98.61
				4.98
	99.06	+ 3.7		~~0~~ 103.59
				0.80
Plug				102.79
				1.36
	96.39	+ 4.9		~~0~~ 104.15

85.74
72.05
13.69

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(~~129.13~~)			
+50				6.8	97.35
		93.27			92.42
T.P.	0.85	~~118.25~~	11.73		~~117.40~~
73				2.6	90.67
+35				5.8	87.47
+50				9.3	83.97
		82.85			81.57
T.P.	1.28	~~107.83~~	11.70		~~106.55~~
+76				10.8	72.05
74				4.5	78.35
+50				1.0	81.85
75				4.7	78.15
+50				8.2	74.65
76				11.9	70.95
		72.11			71.18
T.P.	0.93	~~97.09~~	11.67		~~96.16~~
+50				3.9	68.21
77				6.0	66.11
+50				8.4	63.71
78				11.0	61.11
		61.19			60.28
T.P.	0.91	~~86.17~~	11.83		~~85.26~~
+50				2.4	58.79
+75				4.0	57.19
79+00				8.2	52.99
	3.97		46.93		

93.27 + 4.0

90.34 + 0.3

88.72 − 0.8

87.31 − 3.3

85.74 − 13.7

Sta. 73+76 - 2'x2' Box - 84.28 - 5.9

81.26 + 0.6

78.23 − 0.1

75.20 − 0.6

72.17 − 1.2

69.14 − 0.9

66.12 0.0

63.09 + 0.6

60.06 + 1.1

57.03 + 1.8

55.52 + 1.7

54.01 − 1.0

~~129.13~~
11.73
117.40
0.85
~~118.25~~
11.70
106.55
1.28
~~107.83~~
11.67
96.16
0.93
~~97.09~~
11.83
85.26
0.91
~~86.17~~

~~104.15~~
11.73
92.42
0.85
~~93.27~~
11.70
81.57
1.28
~~82.85~~
11.67
71.18
0.93
~~72.11~~
11.83
60.28
0.91
~~61.19~~

Sta.	B. S.	H. I.	F. S.	Rod	Elev.
		(86.17)			
+20				11.1	50.09
T. P.	6.64	56.34 ~~81.32~~	11.49		49.70 ~~74.68~~
+50				7.5	48.84
+65				6.4	49.94
+94.5 △				7.7	48.64
B. M.				7.19	(49.15) ~~74.13~~
T. P.	2.60	57.88 ~~82.86~~	1.06		55.28 ~~80.26~~
B. M.			4.01		53.87 ~~78.85~~

Continued on Page 59

see top of page

+20				11.1	50.09
+50				7.5	48.84
+65				6.4	49.94
+94.5 △				7.7	48.64
	9.24		16.56		

81.32
7.19
74.13

74.13
24.97
49.14

375.76
54.60 = 400.00
321.16 78.85
321.15

Spike in Telephone pole
North of Sta. 79+94.5 (near fence)
Spike in hitching post in front of
Dr. Baker's house. Elevation 53.88,
City Datum

= 78.85
53.88
24.97

52.79	−	2.7
50.98	−	2.1
50.07	−	0.1
48.29	+	0.4

0 86.17
11.49
74.68 ✓
6.64
0 81.32 ✓
1.06
80.26 ✓
2.60
0 82.86 ✓
4.01
78.85 ✓

0 61.19
11.49
49.70
6.64
0 56.34
1.06
55.28
2.60
0 57.88
4.01
53.87 ✓

10/12/01 Levels along center line of Proposed Boulevard, from the S.W. Ocean Beach to the West end of Gov. the Preville Road
Ramsey
William
Kerr
cor. of P.L. 102, thence through Dyke, thence connecting with

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
B.M.	1.69	376.72 ~~[illegible]~~			375.03
0				1.9	374.82
+50				3.1	373.62
1				4.3	372.42
+50				5.7	371.02
2				6.7	370.02
+50				7.2	369.52
3				7.7	369.02
+50				8.1	368.62
4				8.8	367.92
+50				10.0	366.72
T.P.	0.93	368.42 ~~[illegible]~~	9.23		367.49 ~~[illegible]~~
5				3.0	365.42
+50				4.8	363.62
6				7.4	361.02
+50				10.0	358.42
T.P.	0.42	~~357.34~~ ~~[illegible]~~ 357.34	11.50		~~355.92~~ ~~[illegible]~~ 355.92
7				1.5	355.84
+50				3.9	353.44
8				6.3	351.04
+50				8.5	348.84
	3.04		20.73		

City Datum
Place N.W. cor. Reservoir fence (Elev. Assumed)

371.43	⊙		+ 3.4	
Dike (See Foresit Notes)				400.00
				1.69
371.07			+ 2.6	~~0~~ 401.69
370.72	0.715		+ 1.7	9.23
				392.46
370.36			+ 0.7	0.93
				~~0~~ 393.39
370.00	⊙		0.0	11.50
				381.89
369.25			+ 0.3	0.42
				~~0~~ 382.31
368.50	1.50		+ 0.5	
367.75			+ 0.9	
367.00	⊙		+ 0.9	375.03
				1.69
365.25			+ 1.5	~~0~~ 376.72
				9.23
				367.49
363.50	3.50	—	+ 1.9	0.93
				~~0~~ 368.42
361.75			+ 1.9	11.50
				356.92
360.00	⊙		+ 1.0	0.42
				~~0~~ 357.34
357.25			+ 1.2	
354.50			+ 1.3	
351.75			+ 1.7	
349.00			+ 2.0	
346.25			+ 2.6	

Sta	B.S.	H.I.	F.S.	Rod	Elev				
		(357.34)							
9				11.3	346.04	343.50		+	2.5
T.P.	0.53	346.51 ~~371.48~~	11.36		345.98 ~~370.95~~				
+50				3.5	343.01	340.75		+	2.3
10				7.4	339.11	338.00		+	1.1
+50				11.2	335.31	335.25	5.50	+	0.1
T.P.	0.21	335.21 ~~360.18~~	11.51		335.00 ~~359.97~~				
11				3.8	331.41	332.50		−	1.1
+50				7.2	328.01	329.75		−	1.7
12				10.4	324.81	327.00		−	2.2
T.P.	0.40	323.99 ~~348.96~~	11.62		323.59 ~~348.56~~				
+50				1.9	322.09	324.25		−	2.2
13				4.1	319.89	321.50		−	1.6
+50				6.4	317.59	318.75		−	1.2
14				8.7	315.29	316.00	0	−	0.7
+50				11.1	312.89	314.00		−	1.1
T.P.	0.74	313.23 ~~338.20~~	11.50		312.49 ~~337.46~~				
15				2.4	310.83	312.00	4.00	−	1.2
+50				4.7	308.53	310.00		−	1.5
16				6.3	306.93	308.00		−	1.1
+50				7.8	305.43	306.00		−	0.6
17				9.3	303.93	304.00	0	−	0.1
	1.88		45.09						

~~0~~ 382.31
11.36
370.95
0.53
~~0~~ 371.48
11.51
359.97
0.21
~~0~~ 360.18
11.62
348.56
0.40
~~0~~ 348.96
11.50
337.46
0.74
~~0~~ 338.20

~~0~~ 357.34
11.36
345.98
0.53
~~0~~ 346.51
11.51
335.00
0.21
~~0~~ 335.21
11.62
323.59
0.40
~~0~~ 323.99
11.50
312.49
0.74
~~0~~ 313.23

338.20
8.43
329.77 B.M.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(313.23)			
+50				10.3	302.93
B.M.				8.43	304.80
18				11.3	301.93
T.P.	1.00	303.28 ~~328.25~~	10.95		302.28 ~~327.25~~
+50				2.7	300.58
19				3.8	299.48
+50				5.0	298.28
20				6.1	297.18
+50				6.3	296.98
21				5.2	298.08
+50				5.8	297.48
22				5.7	297.58
+50				6.0	297.28
23				6.0	297.28
+50				6.0	297.28
24				6.3	296.98
T.P.	4.26	301.22 ~~326.19~~	6.32		296.96 ~~321.93~~
+50				4.2	297.02
25				4.4	296.82
+50				4.5	296.72
26				4.8	296.42
	5.26		17.27		

303.36	−	0.4	
Spike in cor. fence post S.E. P.L. 144			
302.73	−	0.8	~~0~~ 338.20
			10.95
			327.25
			1.00
302.09	−	1.5	~~0~~ 328.25
			6.32
301.46	−	2.0	321.93
			4.26
300.82	−	2.5	~~0~~ 326.19
300.18	−	3.0	
299.55	−	2.6	
298.91	−	0.8	~~0~~ 313.23
			10.95
298.27	−	0.8	302.28
			1.00
297.64	−	0.1	~~0~~ 303.28
			6.32
297.00	+	0.3	296.96
			4.26
296.36	+	0.9	~~0~~ 301.22
295.73	+	1.6	
295.09	+	1.9	
294.45	+	2.6	
293.82	+	3.0	
293.18	+	3.5	
292.55	+	3.9	

1.2772

10/18/01

Sta.	B. S.	H. I.	F. S.	Rod	Elev.
+50				4.9	296.32
27				6.0	295.22
B. M.	0.79	297.23	4.78		296.44
+50				8.3	293.93
28				4.9	292.33
+50				6.9	290.33
29				9.4	287.83
+50				12.1	285.13
T. P.	0.53	285.97	11.79		285.44
30				3.6	282.37
+50				5.7	280.27
31				7.4	278.57
+50				8.7	277.27
32				10.0	275.97
+50				11.7	274.27
T. P.	0.70	274.91	11.76		274.21
33				2.4	272.51
+50				4.3	270.61
34				6.4	268.51
+50				8.2	266.71
35				9.6	265.31
	2.02		23.55		

291.91 + 4.4
291.27 + 4.0
296.44 City Datum
Spike in post south of south gate to
290.64 + 2.3
Theosophist grounds
290.00 - 0 + 2.3
288.38 + 2.0
286.75 + 1.1 Connection City Datum
285.13 0.0
283.50 — 1.1
281.88 — 1.6
280.25 — 1.7
278.63 — 1.4
277.00 — 3.0
275.38 — 1.1
3.25
273.75 — 1.2
272.13 — 1.5
270.15 — 1.6
268.88 — 2.2
267.25 — 1.9

~~0~~ 326.19
4.78
321.41
-24.97
296.44
0.79
~~0~~ 297.23
11.79
285.44
0.53
~~0~~ 285.97
11.76
274.21
0.70
~~0~~ 274.91

~~0~~ 301.22
4.78
296.44

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(253.65)							
45				10.4	243.25	250.00		−	6.8
+50				11.0	242.65	250.00		−	7.4
46				10.9	242.75	250.00		−	7.3
+50				10.7	242.95	250.00		−	7.1
47				9.4	244.25	250.00		−	5.8
T.P.	10.17	254.93	8.89		244.76	250.00		−	5.2
+50				8.6	246.33	250.00		−	3.7
48				7.2	247.73	250.00	⊙	−	2.3
+50				6.5	248.43	250.63		−	2.2
49				5.8	249.13	251.25		−	2.1
+50				4.9	250.03	251.88		−	1.9
50				3.8	251.13	252.50		−	1.4
+50				2.5	252.43	253.13		−	0.7
+77									
T.P.	9.85	264.15	0.63		254.30			0	0
51				9.8	254.35	253.75		+	0.6
+50				7.7	256.45	254.38	1.25	+	2.1
52				5.9	258.25	255.00		+	3.3
+50				4.4	259.75	255.63		+	4.1
+80				3.7	260.45	256.00		+	4.5
53				4.0	260.15	256.25		+	3.9
+50				5.0	259.15	256.88		+	2.3
	20.02		9.52						

~~0~~ 253.65
8.89
244.76
10.17
~~0~~ 254.93
0.63
254.30
9.85
~~0~~ 264.15

Sta.	B.S	H.I.	F.S.	Rod	Elev.			
		(264.15)						
54				5.8	258.35	257.50	+0.9	267.55
+50				6.6	257.55	258.13	−0.6	10.21 / 257.34
55				7.0	257.15	258.75	−1.6	
+50				7.3	256.85	259.38	−2.5	
56				7.5	256.65	260.00	⊙ −3.4	
+50				7.6	256.55	261.25	−4.7	
+72				7.7	256.45	261.80	−5.4	
T.P.	11.04	267.55	7.64		256.51		2.50	
B.M.				10.21	257.34	Spike in Telephone near cor. of fence		
57				10.4	257.15	262.50	−5.4	
+50				9.4	258.15	263.75	−5.6	
58				8.1	259.45	265.00	⊙ −5.6	
+50				6.3	261.25	267.50	−6.3	
59				3.9	263.65	270.00	−6.4	
+50				1.0	266.55	272.50	−6.0	
T.P.	11.43	278.16	0.82		266.73			
60				8.2	269.96	275.00	5.00 −5.0	
+50				4.0	274.16	277.50	−3.3	
T.P.	11.70	288.83	1.03		277.13			
61				10.1	278.7	280.00	−1.1	
+50				5.0	283.8	282.50	+1.3	
	34.17		9.49					

⊙ 264.15
7.64
256.51
11.04
⊙ 267.55
0.82
266.73
11.43
⊙ 278.16
1.03
277.13
11.70
⊙ 288.83

Sta.	B. S.	H. I.	F. S.	Rod	Elev.
T. P.	11.88	300.11	0.60		288.23
62				11.2	288.9
+50				5.7	294.4
63				0.9	299.2
T. P.	11.20	310.41	0.90		299.21
+50				6.8	303.6
64				4.0	306.4
+50				4.2	306.2
65				6.0	304.4
+50				8.3	302.1
66				10.5	299.9
T. P.	0.61	299.48	11.54		298.87
+50				1.6	297.9
67				3.9	295.6
+50				5.8	293.7
68				7.8	291.7
+50				9.7	289.8
69				11.6	287.9
T. P.	2.46	290.61	11.33		288.15
+50				5.0	285.6
+92				7.5	283.1
	26.15		24.37		

285.00		+	3.9
287.50		+	6.9
290.00		+	9.2
292.50		+	11.1
295.00	⊙	+	11.4
295.50	1:00	+	10.7
296.00	⊙	+	8.4
295.50	1:00	+	6.6
295.00	⊙	+	4.9
293.75		+	4.2
292.50		+	3.1
291.25		+	2.5
290.00		+	1.7
288.75		+	1.1
287.50		+	0.4
286.25		−	0.7
285.20		−	2.1

~~0~~288.83
0.60
288.23
11.88
~~0~~300.11
0.90
299.21
11.20
~~0~~310.41
11.54
298.87
0.61
~~0~~299.48
11.33
288.15
2.46
~~0~~290.61

10/22/01

Sta.	B.S.	H.I.	F.S.	Pod	Elev.				
B.M.	2.98	286.23	7.36		283.25	Spike in cor. fence post			0 290.61
70				3.1	283.1	285.00 Near Sta. 69+92	−	1.9	7.36 / 283.25
+50				4.7	281.5	283.75	−	2.3	2.98 / 0 286.23
71				6.9	279.3	282.50	−	3.2	1.89 / 284.34
+50				8.6	277.6	281.25	−	3.7	1.95 / 0 286.29
72				9.1	277.1	280.00	−	2.9	11.73 / 274.56
+50				8.7	277.5	278.75	−	1.3	0.24 / 0 274.80
73				7.5	278.7	277.50	+	1.2	4.56 / 270.24
+50				6.1	280.1	276.25	+	3.9	4.83 / 0 275.07
74				4.5	281.7	275.00	+	6.7	
+50				3.2	283.0	273.75	+	9.3	
75				2.3	283.9	272.50	+	11.4	
T.P.	1.95	286.29	1.89		284.34	2.50			
+43				2.2	284.1	271.43	+	12.7	
T.P.	0.24	274.80	11.73		274.56				
T.P.	4.83	275.07	4.56		270.24				
+52				4.5	270.6	271.20	−	0.6	
+60				7.1	268.0	271.00	−	3.0	
76				10.8	264.3	270.00	−	5.7	
+15				9.7	265.4	269.63	−	4.2	
+27				11.5	263.6	269.33	−	5.7	
	10.00		25.54						

Sta.	B.S.	H.I.	F.S.	Rod	Elev.					
		(275.07)								
+50				11.6	263.5	268.75		−	5.3	~~0~~275.07
77				10.3	264.8	267.50		−	2.7	11.91
+50				9.0	266.1	266.25		−	0.2	263.16
78				8.4	266.7	265.00	⊙	+	1.7	0.92
B.M. +28.3 △				7.03	268.0	263.35 Plug		+	4.7	~~0~~264.08
+50				10.6	264.5	262.08		+	2.4	11.83
T.P.	0.92	264.08	11.91		263.16					252.25
79				3.7	260.4	259.17		+	1.2	0.64
+20				3.0	261.1	258.00		+	3.1	~~0~~252.89
+50				4.6	259.5	256.25		+	3.3	11.70
+88				7.5	256.6	254.03		+	2.6	241.19
80				8.4	255.7	253.33	5.83333	+	2.4	5.20
+25				10.2	253.9	251.88		+	2.0	~~0~~246.39
+41				8.2	255.9	250.94		+	5.0	
+50				9.1	255.0	250.42		+	4.6	
T.P.	0.64	252.89	11.83		252.25					
81				2.4	250.5	247.50		+	3.0	
+50				7.5	245.4	244.58		+	0.8	
B.M. +81. △				7.68	245.21	242.78 Plug		+	2.4	
82				9.4	243.5	241.67		+	1.8	
T.P.	5.20	246.39	11.70		241.19					
	6.76		35.44							

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(246.39)							
+50				9.0	237.4	238.75	−	1.4	~~0~~ 246.39
+75				10.9	235.5	237.29	−	1.8	11.89
83									234.50
				10.5	235.9	235.83	+	0.1	0.45
+50									~~0~~ 234.95
				8.3	238.1	232.92	+	5.2	11.79
+86									223.16
				6.1	240.3	230.82	+	9.5	0.34
84									~~0~~ 223.50
				7.6	238.8	230.00	+	8.8	11.95
T.P.	0.45	234.95	11.89		234.50				211.55
									0.09
									~~0~~ 211.64
+50				5.3	229.6	227.08	+	2.5	
+72.8				9.8	225.1	225.75	−	0.7	
85				11.6	223.3	224.17	−	0.9	
T.P.	0.34	223.50	11.79		223.16				
+50				3.6	219.9	221.25	−	1.4	
86									
				6.2	217.3	218.33	−	1.0	
+50				8.9	214.6	215.42	−	0.8	
87+04.5				12.3	211.2	212.26	−	1.1	
T.P.	0.09	211.64	11.95		211.55				
+50				2.4	209.2	209.58	−	0.4	
+79.2				5.2	206.4	207.88	−	0.4	
88				5.7	205.9	206.67	−	0.8	
+50				7.7	203.9	203.75	+	0.2	
B.M.+84.5				10.95	200.69	Plug 201.74	+	1.0	
	0.88		35.63						

Sta.	B. S.	H. I.	F. S.	Rod	Elev.			
		(211.64)						
89				10.9	200.7	200.83	− 0.1	~~0~~ 211.64
T. P.	0.76	201.34	11.06		200.58			11.06
+50								200.58
				2.9	198.40	197.92	+ 0.5	0.76
90								~~0~~ 201.34
				5.7	195.6	195.00	+ 0.6	11.59
+50								189.75
				8.5	192.8	192.00	+ 0.8	0.60
T. P.	0.60	190.35	11.59		189.75			~~0~~ 190.35
91								11.60
				2.0	188.35	189.00	− 1.4	178.75
+31								7.38
				6.1	184.25	187.14	− 2.9	~~0~~ 186.13
+50								11.63
				11.1	179.25	186.00	− 6.8	174.50
T. P.	7.38	186.13	11.60		178.75	Bridge		2.55
+90								~~0~~ 177.05
				11.6	171.53	183.60	− 17.1	
92								
				9.2	173.93	183.00	− 9.1	
+17								
				3.1	180.03	181.98	− 2.0	
+25								
				1.8	181.33	181.50	− 0.2	
+50								
				1.2	181.93	180.00	+ 1.9	
93								
				5.8	177.33	177.00	+ 0.3	
+50								
				10.8	173.33	174.00	− 0.7	
T. P.	2.55	177.05	11.63		174.50			
94								
				6.1	170.95	171.00	− 0.1	
+26								
				8.9	168.15	169.44	− 1.3	
B.M. 35.5								
				8.59	168.46	Plug 168.87	− 0.4	
	11.29		45.88					

Sta.	B.S.	H.I.	F.S.	Rod	Elev.			
		(177.05)						
+50				8.3	168.75	168.00	+ 0.8	~~0~~ 177.05
95				10.4	166.65	165.00	+ 1.7	11.08
T.P.	1.14	167.11	11.08		165.97			165.97
+50				6.1	161.01	162.00	− 1.0	1.14
+67.3				7.8	159.31	160.96	− 1.7	~~0~~ 167.11
96				8.5	158.61	159.00	− 0.4	11.63
+50				10.0	157.11	156.00	+ 1.1	155.48
+70				10.9	156.21	154.80	+ 1.4	0.38
T.P.	0.38	155.86	11.63		155.48			~~0~~ 155.86
97				3.1	152.76	153.00	− 0.2	11.46
+15				4.7	151.16	152.10	− 0.9	144.40
+40				5.6	150.26	150.60	− 0.3	1.85
+50				6.4	149.46	150.00	− 0.5	~~0~~ 146.25
98				7.9	147.96	147.00	+ 1.0	11.04
+50				11.9	143.96	144.00	− 0.0	135.21
T.P.	1.85	146.25	11.46		144.40			1.81
99				7.2	139.05	141.00	− 2.0	~~0~~ 137.02
+50				8.8	137.45	138.00	− 0.6	
B.M. +85.6	1.81	137.02	11.04		135.21	Plug 135.86	− 0.7	
100				2.0	135.02	135.00	0.0	
+50				5.3	131.72	132.00	− 0.3	
	5.18		45.21					

Sta.	B.S.	H.I.	F.S.	Dist	Elev.			
		(137.02)						
101				8.8	128.22	129.00	− 0.8	~~0~~ 137.02
+50				10.6	126.42	126.00	+ 0.4	11.70
T.P.	0.68	126.00	11.70		125.32			125.32
								0.68
								~~0~~ 126.00
102				3.0	123.00	123.00	0.0	11.99
								114.01
+50				6.5	119.50	120.00	− 0.5	1.80
								~~0~~ 115.81
+72 △				7.6	118.40	118.68	− 0.3	11.78
								104.03
103				9.5	116.50	117.00	− 0.5	1.90
								~~0~~ 105.93
+50				12.4	113.60	114.00	− 0.4	11.47
								94.46
T.P.	1.80	115.81	11.99		114.01			0.30
								~~0~~ 94.76
104				5.3	110.51	111.00	− 0.5	
+43 △				7.3	108.51	108.47	+ 0.1	
+63				7.6	108.21	107.22	+ 1.0	
105				11.0	104.81	105.00	− 0.2	
T.P.	1.90	105.93	11.78		104.03			
+50				4.1	101.83	102.00	− 0.2	
106				6.7	99.23	99.00	+ 0.2	
+50				8.8	97.13	96.00	+ 1.1	
B.M. +74 △				11.08	94.85	Plug 94.56	+ 0.3	
T.P.	0.30	94.76	11.47	11.47	94.46			
107				2.0	92.76	93.00	− 0.2	
+50				5.4	89.36	90.00	− 0.6	
	4.68		46.94					

10/25/61

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(94.76)							
108				7.8	86.96	87.00	⊙	0.0	~~⊙~~ 94.76
									11.53
+50				10.2	84.56	84.50		+ 0.1	83.23
									0.93
T.P.	0.93	84.16	11.53		83.23				~~0~~ 84.16
109				3.0	81.16	82.00	⊙	− 0.8	11.49
									72.67
+39.5 △				4.5	79.66	79.65		0.0	0.42
									~~0~~ 73.09
+50				5.1	79.06	79.03		0.0	11.50
									61.59
110				8.7	75.46	76.06		− 0.6	0.08
									~~0~~ 61.67
+50				11.6	72.56	73.09		− 0.5	11.29
									50.38
T.P.	0.42	73.09	11.49	—	72.67				2.85
									~~0~~ 53.23
111				3.6	69.49	70.13		− 0.6	
+50				6.3	66.79	67.16		− 0.4	
112				9.6	63.49	64.19		− 0.7	
T.P.	0.08	61.67	11.50		61.59				
+50				1.2	60.47	61.22		− 0.8	
113				4.8	56.87	58.25		− 1.4	
+50				8.3	53.37	55.28		− 1.9	
B.M. 114+01.7 △	2.85	53.23	11.29	11.3	50.38	Plug 52.21		− 1.8	
+50				5.3	47.93	49.34		− 1.4	
115				8.8	45.43	46.38		− 1.0	
+40						44.00	⊙		
+50				10.1	43.13	43.91		− 0.8	
116				11.0	42.23	43.48		− 1.3	
	4.28		45.81						

5.9375

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(53.23)							
+50				10.9	42.33	43.04		− 0.7	~~0~~53.23
117				11.5	41.73	42.61		− 0.9	11.20
+50				10.5	42.73	42.17		+ 0.6	42.03
118				11.4	41.83	41.74	.86956	+ 0.1	3.85
T.P.	3.85	45.88	11.20		42.03				~~0~~45.88
+50				5.6	40.28	41.30		− 1.0	
B.M. 119				4.36	41.52	Plug 40.87		+ 0.7	
+32				7.5	38.38	40.59		− 2.2	
+50				6.8	39.08	40.43		− 1.4	
120				6.7	39.18	40.00	⊙	− 0.8	# end
+50				6.5	39.38	40.00		− 0.6	
121				6.3	39.58	40.00		− 0.4	
+50				6.1	39.78	40.00		− 0.2	
122				6.5	39.38	40.00		− 0.6	
+50				7.9	37.98	40.00		− 2.0	
123				7.3	38.58	40.00		− 1.4	
+50				7.8	38.08	40.00		− 1.9	
B.M. +90				8.73	37.15	Plug 40.00		− 2.9	
124				8.4	37.44	40.00		− 2.6	
+50				9.2	36.68	40.00		− 3.3	
125				9.4	36.48	40.00		− 3.5	
	3.85		11.20						

Sta.	B.S.	H.I.	F.S.	Rod.	Elev.					
T.P.	10.16	46.76	9.28		36.60					045.88
										9.28
+50				11.4	35.36	40.00		−	4.6	36.60
										10.16
126				10.5	36.26	40.00		−	3.7	046.76
										0.73
+50				10.0	36.76	40.00		−	3.2	46.03
										11.50
127				8.7	38.06	48.00	⊙	−	1.9	057.53
										1.49
+50				6.4	40.36	41.25		−	0.9	56.04
+59										9.83
128				4.1	42.66	42.50		+	0.2	065.87
										4.87
+50				3.6	43.16	43.75		−	0.6	61.00
										1.05
T.P.	11.50	57.53	0.73		46.03					062.05
129				11.6	45.93	45.00	2.50	+	0.9	
+50				9.1	48.43	46.25		+	2.2	
130				7.3	50.23	47.50		+	2.7	
+50				4.6	52.93	48.75		+	4.2	
T.P.	9.83	65.87	1.49		56.04					
131				9.6	56.27	50.00		+	6.3	
+50				11.0	54.87	51.25		+	3.6	
132				10.8	55.07	52.50	⊙	+	2.6	
+50				8.8	57.07	53.13	1.25 ⊙	+	3.9	
+80						53.50	⊙			
133				5.8	60.07	53.63		+	6.4	
B.M. +50	1.05	62.05	4.87	4.9	61.00	53.94 Plug	0.625 ⊙	+	7.1	
+60						54.00				
134				4.6	57.46	53.75	0.625 ⊙	+	3.7	
+40						53.50				
	32.54		16.37							

Sta.	B. S.	H. I.	F. S.	Rod	Elev.					
		(62.05)								
+50				6.9	55.15	53.21		+	1.9	~~062.05~~
										11.57
135				9.6	52.45	51.79		+	0.7	50.48
										0.57
+50				11.6	50.45	50.36		+	0.1	~~051.05~~
										11.80
136				12.0	50.05	48.93		+	1.1	39.25
										2.60
T. P.	0.57	51.05	11.57		50.48					~~041.85~~
+50				2.9	48.15	47.50		+	0.7	
137				4.8	46.25	46.07	2.857 14	+	0.2	
+25				4.5	46.55	45.36		+	1.2	
+50				5.7	45.35	44.64		+	0.7	
138				8.5	42.55	43.21		−	0.7	
+50				11.0	40.05	41.79		−	1.7	
T.P.	2.60	41.85	11.80		39.25					
139				3.7	38.15	40.36		−	2.2	
+50				4.3	37.55	38.93		−	1.4	
140				5.0	36.85	37.50	0	−	0.7	
+50				6.1	35.75	37.29		−	1.5	
141				6.1	35.75	37.08		−	1.3	
+50				5.9	35.95	36.88		−	0.9	
142				5.7	36.15	36.67	0.4666	−	0.5	
+50				5.9	35.95	36.46		−	0.5	
143				6.3	35.55	36.25		−	0.7	
	3.17		23.37							

Sta.	B.S.	H.I.	F.S.	Rod	Elev.					
		(41.85)								~~41.85~~
+50				6.2	35.65	36.04		—	0.4	6.53
144				6.6	35.25	35.83		—	0.6	35.32
+50				6.6	35.25	35.63		—	0.4	3.33
145				6.6	35.25	35.47		—	0.2	~~38.65~~
+50				7.0	34.85	35.21		—	0.4	3.47
T.P.	3.33	38.65	6.53		35.32					35.18
146				4.2	34.45	35.00	⊙	—	0.6	2.83
+50				4.5	34.15	34.89		—	0.7	~~38.01~~
147				4.5	34.15	34.78		—	0.6	
+50				4.6	34.05	34.67		—	0.6	
148				4.2	34.45	34.56		—	0.1	
+50				4.6	34.05	34.44		—	0.4	
149				4.6	34.05	34.33		—	0.3	
+50				4.0	34.65	34.72 10/29/01		+	0.4	
B.M. 150	△ 2.83	38.01	3.47	3.5	35.18	34.11 Plug		+	1.1	
+50				3.5	34.51	34.00		+	0.5	
151				3.1	34.91	33.89		+	1.0	
+50				2.5	35.51	33.78		+	1.7	
152				4.0	34.01	33.67		+	0.3	
+50				4.6	33.41	33.56		—	0.2	
153				5.2	32.81	33.44		—	0.6	
	6.16		10.00							

Sta.	B.S.	H.I.	F.S.	Rod	Elev				
		(38.01)							
+50				5.5	32.51	33.33	−	0.8	
+80				5.9	32.11	33.27	−	1.2	
154				6.0	32.01	33.22	−	1.2	
+50				5.7	32.31	33.11	−	0.8	
155				5.5	32.51	33.00	−	0.5	
+50				4.5	33.51	32.89	+	0.6	
156				3.8	34.21	32.78	+	1.4	
+50				3.5	34.51	32.67	+	1.8	
157				4.0	34.01	32.56	+	1.5	
B.M. +40	1.85	35.91	3.95		34.06	Plug 32.47	+	1.6	
+50				2.0	33.91	32.44	+	1.5	
158				2.0	33.91	32.33	+	1.6	
+50				2.0	33.91	32.22	+	1.7	
159				2.3	33.61	32.11	+	1.5	
+50				2.9	33.01	32.00	+	1.0	
160				3.9	32.01	31.89	+	0.1	
+50				5.2	30.71	31.78	−	1.1	
161				6.1	29.81	31.67	−	2.9	
+50				6.3	29.61	31.56	−	2.0	
162				6.0	29.91	31.44	−	1.5	
+50				6.6	29.31	31.33	−	2.0	
	1.85		3.95						

38.01
3.95
34.06
1.85
35.91

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(35.91)							
163				6.2	29.71	31.22		−	1.5
+50				5.3	30.61	31.11		−	0.5
164				4.0	31.91	31.00	⊙	+	0.9
T.P.	1.48	33.50	3.89		32.02				
+50				1.6	31.90	29.88		+	2.0
165				1.9	31.60	28.75		+	2.9
+50				2.7	30.80	27.63		+	3.2
166				4.6	28.90	26.50	2.21	+	2.4
+50				6.6	26.90	25.38		+	1.5
167				9.2	24.30	24.25		+	0.1
+50				12.0	21.50	23.13		−	1.6
T.P.	5.40	27.01	11.89		21.61				
168				7.9	19.11	22.00	⊙	−	2.9
+50				8.3	18.71	22.00		−	3.3
169				8.4	18.61	22.00		−	3.4
+50				8.4	18.61	22.00		−	3.4
170				8.3	18.71	22.00		−	3.3
+50				8.2	18.81	22.00		−	3.2
171				8.1	18.91	22.00		−	3.1
+30				8.1	18.91	22.00		−	3.1
+50				6.8	20.21	22.00		−	1.8
	6.88		15.78						

~~35.91~~
3.89
32.02
1.48
~~33.50~~
11.89
21.61
5.40
~~27.01~~

Sta.	B.S.	H.I.	F.S.	Rod	Elev.			
		(27.01)						
172				6.2	20.81	22.00	⊙	− 1.2
+50				4.9	22.11	22.81		− 0.7
173				3.0	24.01	23.63		+ 0.4
+50				1.4	25.61	24.44		+ 1.2
T.P.	9.59	35.40	1.20		25.81			
174				8.1	27.30	25.25		+ 2.1
+50				7.3	28.10	26.06		+ 2.0
175				6.0	29.40	26.88		+ 2.5
B.M. +50				4.59	30.81	27.68 Plug		+ 3.1
176				3.6	31.80	28.50	1.625	+ 3.3
+50				3.3	32.10	29.31		+ 2.8
177				4.1	31.30	30.13		+ 1.2
+50				5.5	29.90	30.94		− 1.0
178				6.8	28.60	31.75		− 3.2
+25				8.0	27.40	32.16		− 4.8
+50				8.4	27.00	32.56		− 5.6
179				8.7	26.70	33.38		− 6.7
+50				7.5	27.90	34.19		− 6.3
180 B.M.	11.34	41.04	5.70	5.7	29.70	Plug 35.00	⊙	− 5.3
+50				7.5	33.54	36.25		− 2.7
181				2.7	38.34	37.50		+ 0.8
	20.93		6.90					

~~0~~ 27.01
1.20
25.81
9.59
~~0~~ 35.40
5.70
29.70
11.34
~~0~~ 41.04

10/30/01

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
T.P.	11.40	51.90	0.54		40.50				
+50				9.3	42.60	38.75		+	3.9
182				6.5	45.40	40.00	2.75	+	5.4
+50				4.7	47.20	41.25		+	6.0
183				4.6	47.30	42.50		+	4.8
+50				3.7	48.20	43.75		+	4.5
184				2.7	49.20	45.00	0	+	4.2
+50				2.0	49.90	45.00	1.000	+	4.9
185				2.0	49.90	46.00	0	+	3.9
+50				2.2	49.70	46.25	0.5	+	3.5
+80				2.7	49.20	46.40		+	2.8
186				4.0	47.90	46.50	0	+	1.4
+50				6.2	45.70	46.44		−	0.7
T.P.	3.73	49.72	5.91		45.99				
187				4.5	45.22	46.38		−	1.2
+50				4.5	45.22	46.31	0.125	−	1.1
188				4.6	45.12	46.25	0	−	1.1
+50				4.3	45.42	46.19		−	0.8
189				4.3	45.42	46.13		−	0.7
+50				4.2	45.52	46.06		−	0.5
190				4.3	45.42	46.00	0	−	0.6
	15.13		6.45						

41.04
0.54
40.50
11.40
51.90
5.91
45.99
3.73
49.72

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(49.72)							
+50				4.3	45.42	44.50		+ 0.9	
191				4.4	45.32	43.00		+ 2.3	
+50				3.8	45.92	41.50		+ 4.4	
192				2.8	46.92	40.00		+ 6.9	
B.M. +40.3				2.74	46.98	39.69 Plug		+ 7.3	
+50				4.9	44.82	38.50		+ 6.3	
193				8.5	41.22	37.00	3.00	+ 4.2	
T.P.	0.13	41.55	8.30		41.42				
+50				5.1	36.45	35.50		+ 1.0	
194				9.3	32.25	34.00		− 1.8	
T.P.	1.13	30.99	11.69		29.86				
+50				1.8	29.19	32.50		− 3.3	
195				3.9	27.09	31.00		− 3.9	
+50				5.3	25.69	29.50		− 3.8	
196				6.1	24.89	28.00	0	− 3.1	
+50				6.4	24.59	27.50		− 2.9	
197				6.3	24.69	27.00		− 2.3	
+50				6.4	24.59	26.50		− 1.9	
198				6.2	24.79	26.00	1.00	− 1.2	
+50				6.2	24.79	25.50		− 0.7	
199				6.3	24.69	25.00		− 0.3	
	1.26		19.99						

~~0~~ 49.72
8.30
~~41.42~~
0.13
~~0~~ ~~41.55~~
11.69
29.86
1.13
~~0~~ ~~30.99~~

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(30.99)							
+50				6.9	24.09	24.50		− 0.4	~~30.99~~
T.P.	0.93	25.38	6.54		24.45				6.54
200				2.1	23.28	24.00	⊙	− 0.7	24.45
+50				3.0	22.38	23.31		− 0.9	0.93
201				3.9	21.48	22.63		− 1.2	~~25.38~~
+50				4.9	20.48	21.94		− 1.5	11.04
202				5.2	20.18	21.25		− 1.1	14.34
+50				5.5	19.88	20.56		− 0.7	2.45
203				5.8	19.58	19.88		− 0.3	~~16.79~~
+50				6.5	18.88	19.19		− 0.3	
204				7.5	17.88	18.50		− 0.6	
+50				8.5	16.88	17.81	1375	− 0.9	
205				9.5	15.88	17.13		− 1.3	
+50				10.6	14.78	16.44		− 1.7	
206				11.4	13.98	15.75		− 1.8	
T.P.	2.45	16.79	11.04		14.34				
+50				3.3	13.49	15.06		− 1.6	
207				4.1	12.69	14.38		− 1.7	
+50				4.6	12.19	13.69		− 1.5	
208				4.7	12.09	13.00	⊙	− 0.8	
+50				4.8	11.99	12.75		− 0.8	
	3.38		17.58						

Sta.	B.S.	H.I.	F.S.	Rod	Elev.					
		(16.79)								
209				5.1	11.69		12.50	—	0.8	16.79
+50				5.2	11.59		12.25	—	0.7	7.36
B.M.				4.32	12.47	Copper Tack in the N.E. Cor of Porch floor				9.43
210				5.4	11.39	S.W. Cor of 2nd and Newport Ave.	12.00	—	0.6	4.15
+50				5.6	11.19		11.75	—	0.6	13.58
211				6.0	10.79		11.50	—	0.7	
+50				6.1	10.69		11.25	—	0.6	
212				6.5	10.29		11.00	—	0.7	
+50				6.9	9.89		10.75	—	0.9	
213				7.0	9.79		10.50	—	0.7	
+50				7.2	9.59		10.25	—	0.7	
B.M. +69	4.15	13.58	7.36	7.4	9.43	11/4/31	10.15	—	0.7	
214				4.5	9.08		10.00	—	0.9	
+50				5.2	8.38		9.75	—	1.4	
215				5.9	7.68		9.50	—	1.8	
+50				6.5	7.08		9.25	—	2.2	
216				6.5	7.08		9.00	—	1.9	
+50				6.6	6.98		8.75	—	1.8	
217				7.0	6.58		8.50	—	1.9	
+36				6.5	7.08		8.32	—	1.2	
+41				5.4	8.18		8.30	—	0.1	
	4.15		7.36							

Sta.	B.S.	H.I.	F.S.	Rod	Elev.			
		(13.58)						
+50				5.5	8.08	8.25 Old R.R. Embankment	− 0.2	~~8~~ 13.58
+55				6.5	7.08	8.23	− 1.2	6.45
218				6.8	6.78	8.00 ⊙	− 1.2	7.13 ✓
+50				6.6	6.98	8.00	− 1.0	5.42
219				6.7	6.88	8.00	− 1.1	~~8~~ 12.55 ✓
+50				6.6	6.98	8.00	− 1.0	
220				6.5	7.08	8.00	− 0.9	
+50				6.4	7.18	8.00	− 0.8	
B.M. +66.5	5.42	12.55	6.45	6.4	7.13	Plug 8.00	− 0.1	
221				5.7	6.85	8.00	− 1.2	
+50				6.2	6.35	8.00	− 1.7	
222				6.7	5.85	8.00	− 2.2	
+50				6.5	6.05	8.00	− 2.0	
223				6.7	5.85	8.00	− 2.2	
+50				6.5	6.05	8.00	− 2.0	
224				6.0	6.55	8.00	− 1.5	
+50				5.9	6.65	8.00	− 1.4	
225				6.0	6.55	8.00	− 1.5	
+50				5.8	6.75	8.00	− 1.3	
226				5.9	6.65	8.00	− 1.4	
+50				5.5	7.05	8.00	− 1.0	
	5.42		6.45					

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(12.55)							
227				5.0	7.55	8.00	⊙	− 0.5	~~0~~ 12.55
+50				4.8	7.75	8.17		− 0.4	4.49
228				4.7	7.85	8.33		− 0.5	8.06 ✓
+50				4.6	7.95	8.50		− 0.6	6.73
T.P.	6.73	14.79	4.49		8.06				~~0~~ 14.79 ✓
229				6.3	8.49	8.66		− 0.2	
+50				6.0	8.79	8.83		0.0	
230				5.9	8.89	8.99		− 0.1	
+50				5.6	9.19	9.16		0.0	
231				5.5	9.29	9.33		0.0	
+50				5.4	9.39	9.49	0.33142	− 0.1	
232				5.2	9.59	9.66		− 0.1	
+50				5.2	9.59	9.82		− 0.2	
233				5.2	9.59	9.99		− 0.4	
+50				5.0	9.79	10.15		− 0.4	
234				4.7	10.09	10.32		− 0.2	
+50				4.8	9.99	10.49		− 0.5	
235				4.8	9.99	10.65		− 0.7	
+50				4.6	10.19	10.82		− 0.6	
236				4.6	10.19	10.98		− 0.8	
+50				4.1	10.69	11.15		− 0.5	
	6.73		4.49						

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(14.79)							
237				5.0	9.79		11.31	—	1.5
T.P.	6.59	16.51	4.87		9.92				
+50				7.6	8.91		11.48	—	2.6
238				8.3	8.21		11.65	—	3.4
+50				8.5	8.01		11.81	—	3.8
239				8.1	8.41		11.99	—	3.6
+50				8.3	8.21		12.14	—	3.9
240				8.3	8.21		12.31	—	4.1
+50				8.5	8.01		12.47	—	4.5
241				7.7	8.81		12.64	—	3.8
+50				6.5	10.01		12.81	—	2.8
242				5.2	11.31		12.97	—	1.7
+50				3.7	12.81		13.14	—	0.3
243				2.6	13.91		13.30	+	0.6
+50				2.2	14.31		13.47	+	0.8
B.M. +75	8.42	22.79	2.14	2.2	14.37	Chg	13.63	+	0.7
244				7.9	14.89		13.72	+	1.2
+50				7.6	15.19		13.80	+	1.4
245				7.6	15.19		13.97	+	1.2
+50				7.9	14.89		14.13	+	0.8
246				8.2	14.59		14.30	+	0.3
	15.01		7.01						

~~0~~ 14.79
4.87
9.92 ✓
6.59
~~0~~ 16.51 ✓
2.14
14.37 ✓
8.42
~~0~~ 22.79 ✓

Sta.	B.S.	H.I.	F.S.	Rod	Elev.			
		(22.79)						
+50				8.9	13.89	14.46		− 0.6
247				8.8	13.89	14.63		− 0.7
+50				8.6	14.19	14.80		− 0.6
248				8.0	14.79	15.00	⊙	− 0.2
+50				7.8	14.99	15.63		− 0.6
249				6.9	15.89	16.25		− 0.4
+50				6.4	16.39	16.88		− 0.5
250				5.5	17.29	17.50		− 0.2
+50				4.7	18.09	18.13		0.0
T.P.	10.79	28.93	4.65		18.14			
251				9.7	19.23	18.75		+ 0.5
+50				8.5	20.43	19.38	1.25	+ 1.1
252				7.7	21.23	20.00		+ 1.2
+50				5.6	23.33	20.63		+ 2.7
253				5.6	23.33	21.25		+ 2.1
+50				5.4	23.53	21.88		+ 1.7
254				4.7	24.23	22.50		+ 1.7
+50				3.6	25.33	23.13		+ 2.2
255				2.6	26.33	23.75		+ 2.6
+50				2.5	26.43	24.38		+ 2.1
256				2.5	26.43	25.00	⊙	+ 1.4
	10.79		4.65					

~~0~~ 22.79
4.65
18.14
10.79
~~0~~ 28.93

Sta.	B.S.	H.I.	F.S.	Rod	Elev
		(28.93)			
+50				3.5	25.43
B.M. 2257	3.30	28.36	3.87		25.06
+50				3.5	24.86
2258				4.2	24.16
+50				4.8	23.56
2259				7.0	21.36
+50				8.9	19.46
2260				8.5	19.86
+50				5.8	22.56
2261				3.8	24.56
+50				1.6	26.76
T.P.	5.91	32.27	2.00		26.36
2262				5.1	27.17
+50				4.9	27.37
2263				5.0	27.27
+50				4.7	27.67
2264				5.4	26.87
+50				8.5	23.77
+79				12.1	20.17
T.P.	1.63	22.00	11.90		20.37
T.P.	3.89	14.40	11.49		10.51
	14.73		29.26		

25.00	+	0.4	
Orig 25.00	+	0.1	
25.00	−	0.1	
25.00	−	0.8	
24.58	−	1.0	
24.17	−	2.8	
23.75	−	4.3	
23.33	−	3.5	
22.92	−	0.4	
22.50	+	2.1	
22.08	+	4.7	
21.67	+	5.5	
21.25	+	6.1	
20.83	+	6.4	
20.42	+	7.3	
20.00	+	6.9	
19.58	+	4.2	
19.34	+	0.8	

0.83333

28.93
3.87
25.06
3.30
28.36
2.00
26.36
5.91
32.27
11.90
20.37
1.63
22.00
11.49
10.51
3.89
14.40

Sta.	B.S.	H.I.	F.S.	Rod	Elev
		(14.40)			
+97				6.2	8.20
T.P.	1.70	4.93	11.17		3.23
265+10				8.0	−3.1
+22				10.5	−5.6
268+63				10.5	−5.57
+75				7.7	−2.77
T.P.	11.72	16.14	0.51		4.42
269				2.9	13.24
T.P.	9.72	25.42	0.44		15.70
+15				5.1	20.32
T.P.	6.14	30.68	0.88		24.54
+35				5.1	25.58
B.M.+51.6 △				4.19	26.49
270				3.8	26.88
+50				3.9	26.78
271				4.4	26.28
+50				5.2	25.48
272				4.8	25.88
+50				5.1	25.58
273				5.8	24.88
+50				7.5	23.18
	29.28		13.00		

	19.19	− 11.0	
about line of highest drift	19.08	− 22.2	
} Level-Mark	18.98	− 24.6	
	16.14	− 21.7	
	16.04	− 18.8	
	15.83	− 2.6	
	15.71	+ 4.6	
	15.54	+ 10.0	
Plug	15.40	+ 11.1	
	15.00	+ 11.9	
	14.58	+ 12.2	
	14.17	+ 12.1	
	13.75	+ 11.7	
	13.33	+ 12.6	
	12.92	+ 12.7	
	12.50	+ 12.4	
	12.08	+ 11.1	

~~0~~ 14.40
11.17
3.23
1.70
~~04~~ 93
0.51
4.42
11.72
~~0~~ 16.14
0.44
15.70
9.72
~~0~~ 25.42
0.88
24.54
6.14
~~0~~ 30.68

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(30.68)							
274				9.9	20.78	11.67	+	9.1	~~0~~ 30.68
									11.69
									18.99 ✓
T. P.	1.15	20.14	11.69		18.99				1.15
									~~0~~ 20.14 ✓
+50				2.3	17.84	11.25	+	6.6	11.84
275				5.1	15.04	10.83	+	4.2	8.30 ✓
									2.22
+50				7.6	12.54	10.42	+	2.1	~~0~~ 10.52
									6.73
276				9.9	10.24	10.00	+	0.2	3.79 ✓
									11.37
+50				11.9	8.24	9.58	−	1.3	~~0~~ 15.16 ✓
T. P.	2.22	10.52	11.84		8.30				
277				3.9	6.62	9.17	−	2.6	
+50				5.2	5.32	8.75	−	3.4	
278				6.1	4.42	8.33	−	3.9	
+50				8.1	2.42	7.92	−	5.5	
279				6.4	4.12	7.50	−	3.4	
+50				5.3	5.22	7.08	−	1.9	
280				5.3	5.22	6.67	−	1.5	
+50				5.2	5.32	6.25	−	0.9	
281				5.7	4.82	5.83	−	1.0	
+50				6.3	4.22	5.41	−	1.2	
T. P.	11.37	15.16	6.73		3.79				
282				11.7	3.46	5.00	⊙ −	1.5	
+50				11.9	3.26	4.92	−	1.7	
	14.74		30.36						

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(15.16)							
283				11.2	3.96	4.83	−	0.9	−0 15.16
									10.61
+50				10.5	4.66	4.75	−	0.1	4.55
									1.90
284				9.6	5.56	4.67	+	0.9	−0 6.45
									9.70
+50				9.7	5.46	4.58	+	0.9	−3.25
									5.07
285				9.2	5.96	4.50	+	1.5	−0 1.82
+50				8.3	6.86	4.42	+	2.4	
286				7.8	7.36	4.33	+	3.0	
+50				7.8	7.36	4.25	+	3.1	
287				7.3	7.86	4.17	+	3.7	
+50				7.1	8.06	4.08	+	4.0	
288				9.0	6.16	4.00	+	2.2	
B.M. +28	1.90	6.45	10.61		4.55	Plug 4.00	+	0.6	
+31								0.0	
+40				4.1	2.35	4.00	−	1.7	
+50				9.9	−3.5	4.00	−	0.5	
+52								0.0	
+55				11.4	−5.0	Edge of March	+	1.0	
						Level 4.00	−	0.3	
289 +95				10.2	−3.75	East Bank of Channel 40 wide			
290				10.2	−3.75	4.00	−	0.3	
291				9.4	−2.95	4.00	−	1.1	
292				9.7	−3.25	4.00	−	0.7	
T.P.	5.07	1.82	9.70		−3.25				
293				5.0	−3.18	4.00	−	0.8	
	6.97		20.31						

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(1.82)							
294				4.3	-2.48	4.00	−	1.5	~~0~~ 1.82
295				4.4	-2.58	4.00	−	1.4	0.83
296				4.4	-2.58	4.00	−	1.4	0.99
297				5.0	-3.18	4.00	−	0.8	11.74
+45				4.8	-2.98	4.00	−	1.0	~~0~~ 12.73
+50				4.4	-2.58	4.00	−	1.4	1.83
T.P.	11.74	12.73	0.83		0.99				10.90
+80				8.5	4.23	4.00	+	0.2	5.30
298				6.6	6.13	4.00	+	2.1	~~0~~ 16.20
T.P.	5.30	16.20	1.83		10.90				11.86
+50				3.8	12.40	4.00	+	8.4	4.34
+70				1.8	14.40	4.00	+	10.4	1.25
299 B.M.				2.12	14.08	Plug 4.00	+	10.1	~~0~~ 5.59
+50				3.6	12.60	4.00	+	8.6	
+70				5.7	10.50	4.00	+	6.5	
T.P.	1.25	5.59	11.86		4.34				
300				7.1	-1.51	4.00	−	2.5	
+13				9.7	-4.11	4.00	+	0.1	
+50				8.5	-2.91	4.00	−	1.1	
301				7.9	-2.31	4.00	−	1.7	
302				7.6	-2.01	4.00	−	2.0	
	18.29		14.52						

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(5.59)							
303				7.2	-1.61	4.00		-	2.4
304				6.2	-0.61	4.00		-	3.4
T.P.	4.34	3.78	6.15		-0.56				
305				4.2	-0.42	4.00		-	3.6
306				4.0	-0.22	4.00		-	3.8
307				4.0	-0.22	4.00		-	3.8
308				4.2	-0.42	4.00		-	3.6
309				4.3	-0.52	4.00		-	3.5
310				3.8	-0.02	4.00		-	4.0
311				3.6	0.18	4.00		-	3.8
312				3.3	0.48	4.00		-	3.5
T.P.	4.75	5.27	3.26		0.52				
313				4.7	0.57	4.00		-	3.4
+90				4.7	0.57	4.00		-	3.4
314				6.3	-1.03	4.00	①	-	3.0
+25				6.1	-0.83	4.17		-	3.3
+50				4.6	0.67	4.33		-	3.7
+80				0.8	4.47	4.53		-	0.1
T.P.	11.93	16.51	0.69		4.58				
315				6.8	9.71	4.67	66666	+	5.0
+20				8.3	8.21	4.80		+	3.4
	21.02		10.10						

~~0~~5.59
6.15
-0.56
4.34
~~0~~3.78
3.26
0.52
4.75
~~0~~5.27
0.69
4.58
11.93
~~0~~16.51

Sta.	B.S.	H.I.	F.S.	Rod	Elev.			
		(16.51)						
+50				3.4	13.11	5.00	+ 8.1	
+82				0.0	16.51	5.21	+ 11.3	
316				5.3	11.21	5.33	+ 5.9	
+50				12.1	4.41	5.67	− 1.3	
+62				10.9	5.61	5.75	− 1.1	
+67				2.9	13.61	5.78	+ 7.8	
T.P.	11.45	26.89	1.07		15.44			
+82				1.7	25.19	5.88	+ 19.3	
T.P.	9.62	36.51	0.00		26.89			
317				6.5	30.01	6.00	+ 24.0	
+10				5.6	30.91	5.93	+ 25.0	
+23				3.5	33.01	5.85	+ 27.2	
+38				6.1	30.41	5.75	+ 25.7	
+58				16.5	20.01	5.61	+ 14.4	
+71				13.3	23.21	5.53	+ 17.7	
T.P.	1.49	26.19	11.81		24.70			
+84				8.8	17.39	5.44	+ 12.0	
T.P.	0.67	14.93	11.93		14.26			
318				5.7	9.23	5.33	+ 3.9	
+25				10.5	4.43	5.17	− 0.7	
+50				11.6	3.33	5.00	− 1.7	
	23.23		24.81					

~~0~~ 16.51
1.07
15.44
11.45
~~0~~ 26.89
0.00
26.89
9.62
~~0~~ 36.51
11.81
24.70
1.49
~~0~~ 26.19
11.93
14.26
0.67
~~0~~ 14.93

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(14.93)			
+75				11.1	3.83
319				10.7	4.23
+50				11.3	3.63
+61				11.3	3.63
T.P.	4.73	8.35	11.31		3.62
B.M.				5.11	3.24
T.P.	4.68	9.31	3.72		4.63
T.P.	5.38	11.82	3.87		5.44
"	5.73	11.65	4.90		5.92
"	5.06	12.68	4.03		7.62
"	4.93	13.59	4.02		8.66
"	4.57	15.02	3.14		10.45
"	5.86	15.81	5.07		9.95
"	5.70	17.51	4.00		11.81
"	5.69	19.23	3.97		13.54
"	4.75	19.43	4.55		14.68
B.M.				8.06	
T.P.	1.93	11.50	9.86		9.57
"	9.88	21.38	0.00		11.50
"	11.00	30.29	2.09		19.29
"	11.91	42.20	0.00		30.29

4.83 - 1.0
4.67 - 0.2
4.33 - 0.7
4.26 - 0.6

West end of dyke (Continued P.71)

Top of cor. fence post, near end of dyke.

8.35
5.11
3.24

9.95
9.43
0.52
19.43
9.86
9.57
1.93
11.50
0.00
11.50
9.88
21.38
2.09
19.29
11.00
30.29
11.91
42.20

Copper tack top of East Pier, South end of Iron bridge.

14.93
11.31
3.62
4.73
8.35
3.72
4.63
4.68
9.31
3.87
5.44
5.38
10.82
4.90
5.92
5.73
11.65
4.03
7.62
5.06
12.68
4.02
8.66
4.93
13.59
3.14
10.45
4.57
15.02
5.07
9.95
5.86
15.81
4.00
11.81
5.70
17.51
3.97
13.54
5.69
19.23
4.55
14.68
4.75
19.43

Sta.	B.S.	H.I.	F.S.	Cod	Elev.	
T.P.	10.89	52.86	0.23		41.97	
"	6.00	57.29	1.57		51.29	
B.M.				0.49	56.80	Spike in cor fence post S. Cor. Juan and Twiggs, 57.41
T.P.	0.02	45.39	11.92		45.37	
B.M.			11.57			Spike in cor post N. cor. San Diego and Haney 34.42 34.28 old Elevation

~~0~~ 42.20
0.23
41.97
10.89
~~0~~ 52.86
1.57
51.29
6.00
~~0~~ 57.29
11.92
45.37
0.02
~~0~~ 45.39
11.57
33.82

14/9/01 Levels for proposed Road from Rosville to a connection with the constructed Road at 38th and Tide St.
Chaney
Williams
Kerr

Continued from Page 13

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
B.M.	0.09	49.24			49.15
80					
80 + 28				1.1	48.14
80 + 50				2.5	46.74
81				5.9	43.34
+ 50				8.9	40.34
82				12.0	37.24
T.P.	0.20	37.70	11.74		37.50
+ 50				3.3	34.40
83				6.1	31.60
+ 50				8.5	29.20
84				11.2	26.50
T.P.	0.42	26.28	11.84		25.86
+ 50				1.9	24.38
+ 86				3.5	22.78
85				3.8	22.48
+ 50				4.8	21.48
86				5.4	20.88
+ 50				6.0	20.28
87				6.3	19.98
+ 50				6.8	19.48
88				6.9	19.38
	0.71		23.58		

Spike in Tel pole, North of Sta. 75 + 95.5 near fence

48.00 ⊙		
46.53	+ 1.6	
45.38	+ 1.4	
42.75	+ 0.6	
40.13	+ 0.2	
37.50	− 0.3	
5.25		
34.88	− 0.5	
32.25	− 0.7	
29.63	− 0.4	
27.00 ⊙	− 0.5	
25.50	− 1.1	
24.42	− 1.6	
3.00		
24.00	− 1.5	
22.50	− 1.0	
21.00 ⊙	− 0.1	
20.75	− 0.5	
20.50	− 0.5	
0.50		
20.25	− 0.8	
20.00 ⊙	− 0.6	

49.15
0.09
49.24
11.74
37.50
0.20
37.70
11.84
25.86
0.42
26.28

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(26.28)							
+50				7.0	19.28		19.67	− 0.4	~~0~~26.28 6.90 19.38 4.45 ~~0~~23.83
89				6.9	19.38		19.33	+ 0.1	
T.P.	4.45	23.83	6.90		19.38				
+50				4.8	19.03		19.00	0.0	
90				5.0	18.83		18.66	+ 0.2	
+50				4.4	19.43		18.33	+ 1.1	
+72				3.8	20.03		18.19	+ 1.8	
91				4.0	17.83		18.00	− 0.2	
+50				4.5	19.33		17.67	+ 1.7	
+84				4.1	19.73		17.44	+ 2.3	
+89				6.4	17.43		17.41	0.0	
92				7.6	16.23		17.33	− 1.1	
92+27				7.0	16.83		17.15	− 0.3	
+33				4.3	19.53		17.11	+ 2.4	
+50				4.2	19.63		17.00	+ 2.6	
93				4.5	19.33		16.67	+ 2.7	
+50				5.1	18.73		16.33	+ 2.4	
94				5.8	18.03		16.00	+ 2.0	
+50				6.1	17.73		15.56	+ 2.2	
95				6.5	17.33		15.13	+ 2.2	
+50				6.4	17.43		14.69	+ 2.7	

0.66666

Add B.R. Cut

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(23.83)			
96				6.0	17.83
T.P.	1.00	19.32	5.51		18.32
+50				2.8	16.52
+71				3.7	15.62
+78				5.1	14.22
97				6.0	13.32
+50				6.7	12.62
98				7.2	12.12
+50				7.9	11.42
99				8.6	10.72
+50				9.3	10.02
100				9.8	9.52
+50				10.5	8.82
101				11.1	8.22
+50				11.6	7.72
102				12.0	7.32
T.P.	0.49	8.03	11.78		7.54
+50				1.4	6.63
103				2.0	6.03
+50				2.9	5.13
104				3.4	4.63
	1.49		17.29		

14.25		+	3.6
13.81	0.875	+	2.7
13.63		+	2.0
13.57		+	0.7
13.38		−	0.1
12.94		−	0.3
12.50	⊙	−	0.4
11.88		−	0.5
11.25		−	0.5
10.63		−	0.6
10.00		−	0.5
9.38		−	0.6
8.75		−	0.5
8.13		−	0.4
7.50	1.25	−	0.2
6.88		−	0.3
6.25		−	0.2
5.63		−	0.5
5.00		−	0.4

~~0~~ 23.83
5.51
18.32
1.00
~~0~~ 19.32
11.78
7.54
0.49
~~0~~ 8.03

Sta.	B. S.	H. I.	F. S.	Rod	Elev.
		(8.03)			
+50				3.9	4.13
105				4.4	3.63
+50				5.0	3.03
106				5.7	2.33
+45				6.5	1.53
+50				7.8	0.23
107				8.0	0.03
+23				6.4	1.63
+39				6.4	1.63
+50				7.7	0.33
108				7.8	0.23
+17				7.8	0.23
+20				6.3	1.73
+50				6.2	1.83
109				6.2	1.83
+50				6.2	1.83
110 B.M.	5.24	7.14	6.13	6.1	1.90
+50				5.1	2.04
111				5.2	1.94
+50				5.0	2.14
112				5.1	2.04

	4.38	− 0.3	8.03
	3.75	− 0.1	6.13
	3.12	− 0.1	1.90
	2.50	− 0.2	5.24
	2.50	− 1.0	7.14
	2.50	− 2.3	
	2.50	− 2.5	
	2.50	− 0.9	
	2.50	− 0.9	
	2.50	− 2.2	
	2.50	− 2.3	
	2.50	− 2.3	
	2.50	− 0.8	
	2.50	− 0.7	
	2.50	− 0.7	
	2.50	− 0.7	
Chkd	2.50	− 0.6	
	2.50	− 0.5	
	2.50	− 0.6	
	2.50	− 0.4	
	2.50	− 0.5	

Sta.	B.S.	H.I.	F.S.	Rod	Elev				
		(7.14)							
+50				5.2	1,94	2.50		− 0.6	~~0~~ 7.14 2.06 5.08 7.80 ~~0~~ 12.88
113				5.2	1,94	2.50		− 0.6	
+50				5.0	2.14	2.50		− 0.4	
114				4.9	2,24	2.50	⊙	− 0.3	
+50				4.6	2.54	2,84		− 0.3	
115				4.4	2,74	3.19		− 0.5	
+50				4.2	2.94	3.53		− 0.6	
B.M.				3.71	3,43	Spike in Tel. pole opposite sta 116+60 (Opp. sta 116)			
116				4.0	3.14	3.88		− 0.7	
+50				4.2	2.94	4.22		− 1.3	
117				3.4	3.74	4.56		− 0.8	
+50				3.4	3,74	4.91		− 1.2	
118				3.1	4.04	5.25	0.6875	− 1.2	
+50				2.8	4,34	5.59		− 1.3	
119				2.6	4,54	5.94		− 1.4	
T.P.	7.80	12.88	2.06		5.08				
+50				7.7	5.18	6.28		− 1.1	
120				7.5	5.38	6.63		− 1.3	
+50				7.1	5.78	6.97		− 1.2	
121				6.7	6.18	7.31		− 1.1	
+50				6.3	6.58	7.66		− 1.1	

Sta.	B.S.	H.I.	F.S.	Rod	Elev	Grades			
		(12.88)							
122				5.7	7.18	8.00	⊙	−	0.8
+50				5.2	7.68	8.00		−	0.3
123				3.7	9.18	8.00		+	1.2
+08				3.8	9.68	8.00		+	1.1
+15				5.4	7.48	8.00		−	0.5
+50				5.6	7.28	8.00		−	0.7
124				5.2	7.68	8.00		−	0.3
+50				5.6	7.28	8.00		−	0.7
125				5.2	7.68	8.00		−	0.3
+29				5.1	7.78	8.00		−	0.2
+50				6.0	7.88	8.00		−	0.1
126				5.9	6.98	8.00		−	1.0
+17				5.4	7.48	8.00		−	0.5
+50				7.2	5.68	8.00		−	2.3
+82				6.9	5.98	8.00		−	2.0
127				5.1	7.78	8.00		−	0.2
+10				3.6	9.28	8.00		+	1.3
+33				4.5	8.38	8.00		+	0.4
+50				5.5	7.38	8.00		−	0.6
128				5.7	7.18	8.00	⊙	−	0.8
T.P.	3.13	10.34	5.67		7.21				

~~⊙~~ 12.88
5.67
7.21
3.13
~~⊙~~ 10.34

Sta.	B.S.	H.I.	F.S.	Rod	Elev.			
		(10.34)						
+50				3.4	6.94	7.78	− 0.8	~~10.34~~
129				3.9	6.44	7.56	− 1.1	7.07
+50				4.4	5.94	7.34	− 1.4	3.27
130				5.0	5.34	7.12	− 2.0	5.01
+50				5.5	4.84	6.91	− 2.1	~~8.28~~
131				5.7	4.64	6.69	− 2.1	
+50				5.8	4.54	6.47	− 1.9	
132				5.7	4.64	6.25	− 1.6	
+50				6.0	4.34	6.03	− 2.0	
133				6.3	4.04	5.81	− 1.8	
+50				6.3	4.64	5.59	− 1.6	
134				6.4	3.94	5.38	− 1.4	
+50				6.4	3.94	5.16	− 1.2	
135				6.8	3.54	4.94	− 1.4	
+50				6.7	3.64	4.72	− 1.1	
136				7.0	3.34	4.50	− 1.2	
T.P.	5.01	8.28	7.07		3.27			
+50				5.1	3.18	4.28	− 1.1	
137				4.9	3.38	4.06	− 0.7	
+50				4.9	3.38	3.84	− 0.5	
138				4.9	3.38	3.63	− 0.3	

0.4375

Sta.	B.S.	H.I.	F.S.	Rod	Elev.			
		(8.28)						
+50				5.1	3.18	3.41	−	0.2
139				5.2	3.08	3.19	−	0.1
+50				5.5	2.78	2.97	−	0.2
140				5.8	2.48	2.75	−	0.3
+50				6.3	1.98	2.53	−	0.6
141				7.0	1.28	2.31	−	1.0
+50				7.5	0.78	2.09	−	1.3
142				8.0	0.28	1.88	−	1.6
+50				8.2	0.08	1.66	−	1.6
143				9.1	−0.82	1.44	−	0.6
+50				9.5	−1.22	1.22	−	0.0
+80				8.8	−0.52	1.09	−	0.6
144				7.1	1.18	1.00	⊙ +	0.2
+50				5.7	2.58	2.47	+	0.1
145				4.9	3.38	3.94	−	0.6
T.P.	11.10	14.86	4.52		3.76			
+50				10.3	4.56	5.41	−	0.9
146				7.8	7.86	6.88	+	1.0
+50				6.0	8.86	8.35	+	0.5
147				3.4	11.46	9.82	+	1.6
+40						11.00	⊙	
+50				0.8	14.06	11.13	+	2.9

~~0~~ 8.28
4.52
3.76
11.10
~~0~~ 14.86

Sta.	B.S.	H.I.	F.S.	Rod	Elev.					
T.P.	3.00	16.55	1.31		13.55					
148				1.6	14.95		11.75		+	3.2
+20							12.00			
+50				1.4	15.15		11.63	1.26 ①	+	3.5
149				2.6	13.95		11.00	①	+	3.0
B.M. +83				3.76	12.79	Plug	10.01		+	2.8
150				7.7	8.85		8.00		+	0.9
+50				10.0	6.55		6.50	3.00	+	0.1
T.P.	5.38	10.23	11.70		4.85					
151				6.6	3.63		5.00	①	−	1.4
+50				8.4	1.83		4.80		−	3.0
152				9.6	0.63		4.59		−	4.0
+50				9.8	0.43		4.39		−	4.0
153				9.5	0.73		4.18		−	3.5
+50				8.3	1.93		3.98		−	2.1
154				6.1	4.13		3.77		+	0.4
+50				5.3	4.93		3.57		+	1.4
155				6.2	4.03		3.36		+	0.7
+50				7.3	2.93		3.16		−	0.2
156				7.6	2.63		2.95		−	0.3
+50				8.1	2.13		2.75		−	0.6
157				8.8	1.43		2.55		−	1.1
	8.38		13.01							

~~0~~ 14.86
1.31
13.55
3.00
~~0~~ 16.55
11.70
4.85
5.38
~~0~~ 10.23

Sta.	B.S.	H.I.	F.S.	Rod	Elev					
		(10.23)								
+45				9.0	1.23		2.36	−	1.1	~~0~~10.23
+54				11.6	−1.37		2.32	−	1.0	9.72
+58				10.3	−0.07		2.31	−	2.2	0.51
B.M.+65 △	4.33	4.84	9.72		0.51	Plug	2.28	−	1.8	4.33
158				4.1	0.74		2.14	−	1.4	~~0~~4.84
159				4.2	0.64		1.73	−	1.1	7.32
160				4.0	0.84		1.32	−	0.6	−2.48
161				3.7	1.14		1.91	−	0.8	5.25
162				4.4	0.44		0.5	⊙ −	0.1	~~0~~2.77
163				6.6	−1.76		0.5	+	1.3	
164				7.3	−2.46		0.5	+	2.0	
165				7.6	−2.76		0.5	+	2.3	
T.P.	5.25	2.77	7.32		−2.48					
166				5.0	−2.23		0.5	+	1.7	
167				4.4	−1.63		0.5	+	1.1	
168				4.4	−1.63		0.5	+	1.1	
169				4.4	−1.63		0.5	+	1.1	
+13 △				4.4	−1.63		0.5	+	1.1	
170				3.8	−1.03		0.5	+	0.5	
171				3.4	−0.63		0.5	+	0.1	
172				3.2	−0.43		0.5	⊙ −	0.1	
	9.58		17.04							

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
T.P.	6.04	5.94	2.87		-0.10				
173				6.0	-0.06		1.00	-	9.0
+53				5.8	0.14		1.27	-	1.1
174				5.4	0.54		1.50	-	1.0
175				4.4	1.54		2.00	-	0.5
B.M. +55				4.67	1.27	Plug	2.28	-	1.0
176				4.7	1.24		2.5	-	1.3
177				4.4	1.54		2.5	-	1.0
178				3.9	2.04		2.5	-	0.5
179				3.6	2.34		2.5	-	0.2
T.P.	3.67	6.19	3.42		2.52				
180				4.0	2.19		2.5	-	0.3
+75				4.2	1.99		2.5	-	0.5
181				3.6	2.59		2.5	+	0.1
182				3.8	2.39		2.5	-	0.1
183				4.0	2.19		2.5	-	0.3
184				4.2	1.99		2.5	-	0.5
185				4.6	1.59		2.5	-	0.9
186				4.2	1.99		2.5	-	0.5
T.P.	2.90	5.15	3.94		2.25				
+60				4.0	1.15		1.90	-	0.8
	12.61		10.23						

~~2.77~~
2.87
-0.10
6.04
~~-5.94~~
3.42
2.52
3.67
~~-6.19~~
3.94
2.25
2.90
~~-5.15~~

Sta.	B.S.	H.I.	F.S.	Rod	Elev.					
		(5.15)								
187				4.9	0.25	1.50	−	1.3	49.15	5.15
+50				5.6	−0.45	1.00	−	0.6	0.27	7.77
188				6.6	−1.45	0.5	⊙ +	1.0	48.88	−2.62
189				7.3	−2.15	0.5	+	1.7	124.23	5.85
190				7.9	−2.75	0.5	+	2.3	75.35	3.23
191				8.1	−2.95	0.5	+	2.5	48.88	2.96
T.P.	5.85	3.23	7.77		−2.62					0.27
192				5.9	−2.67	0.5	+	2.7		
193				5.7	−2.47	0.5	+	2.0		
194				5.5	−2.17	0.5	+	1.7		
+50				4.7	−1.47	0.5	+	1.0		
195				4.7	−1.47	0.5	+	1.0		
+40				4.8	−1.57	0.5	+	1.1		
196				5.6	−2.37	0.5	⊙ +	1.9		
+07				4.6	−1.37					
+27.7				3.1	0.13	Spike at the intersection of the center of Tide				
						M. and gravel road				
B.M.			2.96		0.27 ✓	Five tacks in the top of N.W. wing post of bridge				
			10.73							

11/12/61
{ Rumsey
William
Kerr

Levels for Road from the West end of the Goo. Dyke to the graded road across the Old Town Flats.

Continued from page 57

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
320					
B.M.	5.27	8.51			3.24
321+17				4.7	3.81
+46				5.1	3.41
+64				9.0	-0.49
322				9.4	-0.89
+50				9.1	-0.59
323				9.2	-0.79
+50				11.5	-2.99
324				12.8	-4.29
+29				11.8	-3.29
+40				9.5	-0.99
+50				8.8	-0.29
325				9.1	-0.59
+50				9.3	-0.79
326				9.4	-0.89
+50				9.2	-0.69
327				9.2	-0.69
+50				9.2	-0.69
328				9.1	-0.59
T.P.	4.76	4.50	8.77		-0.26
+50				5.1	-0.60
	10.03		8.77		

4.00 ⊙

Tack top of cor. fence post, near West end of Dyke

Plug 4.00	- 0.2	3.24
4.00 South side Dyke	- 0.6	5.27
4.00 Foot of slope	- 4.5	8.51 ✓
4.00	- 4.8	8.77
4.00	- 4.6	-0.26 ✓
4.00	- 4.8	4.76
4.00	- 7.0	4.50 ✓
4.00	- 8.3	
4.00	- 7.3	
4.00	- 5.0	
4.00	- 4.3	
4.00	- 4.6	
4.00	- 4.8	
4.00	- 4.9	
4.00	- 4.7	
4.00	- 4.7	
4.00	- 4.7	
4.00	- 4.6	
	-	
4.00	- 4.6	

Sta.	B.S.	H.I.	F.S.	Rod	Elev.				
		(4.50)							
329				4.4	0.10	4.00	–	3.9	~~4.50~~
+50				5.1	–0.60	4.00	–	4.6	3.36
330				4.6	–0.10	4.00	–	4.1	1.14 ✓
+50				4.5	0.0	4.00	–	4.0	4.24
331				4.5	0.0	4.00	–	4.0	~~5.38~~ ✓
+50				4.2	0.30	4.00	–	3.7	
332				4.0	0.50	4.00	–	3.5	
+50				4.4	0.10	4.00	–	3.9	
333				4.1	0.40	4.00	–	3.6	
+50				3.9	0.60	4.00	–	3.4	
334				4.0	0.50	4.00	–	3.5	
+50				3.7	0.80	4.00	–	3.2	
335				3.7	0.80	4.00	–	3.2	
+50				3.8	0.70	4.00	–	3.3	
T.P.	4.24	5.38	3.36		1.14				
336				5.2	0.18	4.00	–	3.8	
+50				4.5	0.88	4.00	–	3.1	
337				4.2	1.18	4.00	–	2.8	
+50				4.3	1.08	4.00	–	2.9	
338				3.9	1.48	4.00	–	2.5	
+50				4.0	1.38	4.00	–	2.6	

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(5.38)			
339				3.9	1.48
+50				4.0	1.38
340				3.2	2.18
+50				3.2	2.18
341				3.2	2.18
+50				3.2	2.18
342				3.4	1.98
+50				3.6	1.78
343				3.7	1.68
T.P.	2.95	5.07	3.26		2.12
+50				3.0	2.07
344				2.9	2.17
+50				2.8	2.27
345				2.9	2.17
+50				3.4	1.67
346				3.7	1.37
+50				4.2	0.87
347+50				4.6	0.47
348				4.5	0.57
+50				4.5	0.57
349				4.7	0.37

4.00	—	2.5	~~5.38~~
4.00	—	2.6	3.26
4.00	—	1.8	2.12 ✓
4.00	—	1.8	2.95
4.00	—	1.8	~~5.07~~ ✓
4.00	—	1.8	
4.00	—	2.0	
4.00	—	2.2	
4.00	—	2.3	
4.00	—	1.9	
4.00	—	1.8	
4.00	—	1.7	
4.00	—	1.8	
4.00	—	2.3	
4.00	—	2.6	
4.00	—	3.1	
4.00	—	3.5	
4.00	—	3.4	
4.00	—	3.4	
4.00	—	3.6	

Sta.	B.S.	H.I.	F.S.	Rod.	Elev.
		(5.07)			
+50				5.3	-0.23
350				5.5	-0.43
+50				6.1	-1.03
351				6.7	-1.63
T.P.	11.37	10.29	6.15		-1.08
+50				10.6	-0.31
+80				7.8	2.49
352				2.1	8.19
T.P.	11.38	21.18	0.49		9.80
+25				6.4	14.8
T.P.	10.32	30.70	0.80		20.38
+50				9.4	21.30
+75				4.3	26.40
353				1.5	29.20
+50				4.9	25.80
354				8.1	22.60
+50				10.7	20.00
T.P.	0.70	19.91	11.49		19.21
355				2.2	17.71
+55				5.1	14.81
356				7.7	12.21
	33.77		18.93		

4.00		−	4.2	5.07
4.00		−	4.4	6.15
4.00		−	5.0	−1.08
4.00		−	5.6	11.37
				10.29 ✓
				0.49
				9.80 ✓
				11.38
				21.18 ✓
				0.80
4.00		−	4.3	20.38 ✓
				10.32
4.00		−	1.5	30.70 ✓
				11.49
				19.21 ✓
4.00	⊙	+	4.2	0.70
				19.91 ✓
4.25		+	10.1	
4.50	1.00	+	16.8	
4.75		+	21.7	
5.00		+	24.2	
5.50		+	20.3	
6.00	⊙	+	16.6	
5.50		+	14.5	
	1.00			
5.00		+	12.7	
4.45		+	10.4	
4.00	⊙	+	8.2	

9.26
9.58
−0.32

Sta.	B.S.	H.I.	F.S.	Rod	Elev.			
		(19.91)						
+50				10.9	9.01	3.97	+5.1	
T.P.	1.12	9.26	11.77		8.14			
+80				1.8	7.46	3.85	+3.6	
357				3.7	5.56	3.81	+1.8	
+09				4.7	4.56	3.78	+0.8	
+15				6.8	2.46	3.76	−1.3	
+50				8.1	1.16	3.75	−2.6	
358				9.5	−0.24	3.70	−3.9	
+50				10.2	−0.94	3.63	−4.6	
359+50				10.6	−1.34	3.55	−4.9	
360+50				10.6	−1.34	3.48	−4.8	
B.M.				9.58	−0.32	Spike in post, Pipe line B.M. −0.41		
361+50				10.70	−1.44	3.32	−4.8	
T.P.	4.85	3.64	10.47		−1.21			
362+50				4.5	−0.86	3.18	−4.0	
363+50				4.5	−0.86	3.04	−3.9	
364+50				5.3	−1.66	2.89	−4.6	
365+10				4.0	−0.36	2.74	−3.1	
+50				4.9	−1.26	2.65	−3.9	
B.M.				4.19	−0.55	Tap Post		
366+50				5.0	−1.36	2.59	−4.0	
	5.97		22.24					

.148

19.91
11.77
8.14
1.12
9.26
10.47
−1.21
4.85
3.64

Sta.	B.S.	H.I.	F.S.	Rod	Elev.			
		(3.64)						
367+50				5.2	-1.56	2.44	-4.0	~~0~~ 3.64
368+50				5.4	-1.76	2.30	-4.1	5.05
T.P.	4.24	2.83	5.05		-1.41			-1.41 ✓
								4.24 ✓
								2.83 ✓
369+50				4.5	-1.67	2.15	-2.8	4.17
370+50				4.7	-1.87	2.00	-3.9	-1.34 ✓
								4.44 ✓
								3.10 ✓
371+50				4.5	-1.67	1.85	-3.5	3.34
372+50				4.7	-1.87	1.70	-3.6	-0.24 ✓
								3.46
								3.22 ✓
373+50				4.6	-1.77	1.56	-3.3	
374+50				4.6	-1.77	1.41	-3.2	
375+50				4.6	-1.77	1.26	-3.0	
T.P.	4.44	3.10	4.17		-1.34			
376+50				4.9	-1.80	1.11	-2.9	
377+50				4.7	-1.60	0.96	-2.6	
378+50				4.9	-1.80	0.82	-2.6	
379+50				4.8	-1.70	0.67	-2.4	
380+50				4.8	-1.70	0.52	-2.1	
381+50				4.5	-1.40	0.37	-1.8	
382+50				4.1	-1.00	0.22	-1.2	
383				3.6	-0.50	0.07	-0.6	
+50				3.8	-0.70	+0.00	-0.7	
T.P.	3.46	3.22	3.34		-0.24	-0.07	-0.2	
	12.14		12.56					

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(3.22)			
384+50				3.5	-0.28
+93				4.9	-1.68
385+15				3.8	-0.58
385+50				3.9	-0.68
~~386~~ 386+39				3.7	-0.48
T.P.	4.61	4.44	3.39		-0.17
T.P.	4.74	4.44	4.74		-0.30
B.M.			4.00		0.44 ✓
	9.35		12.13		

- 0.22 Ocean Beach line = 0.44 (0.6)
Roswille " = 27
0.17

- 0.28 1.4
- 0.32 0.3
- 0.37 0.3
- 0.50 0.0

Plug. center of graded road

~~0~~ 3.22
3.39
- 0.17 ✓
4.61
4.44 ✓
4.74
- 0.30 ✓
4.74
4.44 ✓
4.00
0.44

Five tacks in the top of N.W. Wing post of bridge, 38th and Tide St's

2/6/03 Lavels along the center line of 30th St., from Tide to Main St.
Rumsey
Hill
Cavin

Sta.	+	0	−	Rod	Elev.
B.M.	8.83	10.10			1.27
−25				9.5	0.60
0				9.2	0.90
1				7.2	2.90
2				5.8	4.30
3				3.2	6.90
4				1.0	9.90
T.P.	10.58	19.98	0.70		9.40
5				8.4	11.58
6				5.8	14.18
7				3.0	16.98
T.P.	10.96	30.02	0.92		19.06
8				8.1	21.92
+50				4.6	25.42
9				0.7	29.32
T.P.	11.80	41.18	0.64		29.38
+50				6.6	34.58
10				4.0	37.18
11				1.6	39.58
+14				1.3	39.88
=61+13	Pipe line Survey				
	42.17		2.26		

Plug, Sta. 175+55, road survey from Roseville
Center 30th and Tide (Manasse and Schiller)
" " " " (Roseville)

42.17
2.26
39.91
11.80
28.11
1.27
29.38

1.27
8.83
010.10
0.70
9.40
10.58
019.98
0.92
19.06
10.96
030.02
0.64
29.38
11.80
041.18

Center 30th, 10" East of the center of Main St.,

Bungalow & Tent Village Road.
for Alignment See page 56 Book

Ocean Beach Road

B.M.	6.82	264.16		257.34
52+93=52+93.			3.8	
53			3.8	
+50			4.7	
54			6.0	58.2
+50			7.5	56.7
55			9.2	55.0
+50			10.9	53.3
T.P.	0.45	52.60	12.01	252.15
56			1.8	50.8
+50			4.6	48.0
57			7.8	44.8
+50			11.0	41.6
T.P.	0.56	40.87	12.29	40.31
58.			2.6	38.3
+50			6.2	34.7
59			9.4	31.5
+50			12.1	28.2
T.P.	0.44	228.84	12.47	228.40
60			4.40	24.4
+50			8.3	20.5
B.M.			10.00	218.84

Spk in Tel Pole 50 ft West + 70' North of old gate

B. M.
53.88 Spike in hitching Post in front of Dr. Baker's house

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

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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