1474

LEVEL BOOK

373 A

KEUFFEL & ESSER CO.

DRAWING MATERIALS
AND
SURVEYING INSTRUMENTS.

NEW YORK.

CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL.

Tables for Excavations and Embankments.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.
FOR SINGLE TRACK EXCAVATION.

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	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MICROFILMED 1964

ENGINEERING DEPARTMENT,
CITY OF SAN DIEGO,
CALIFORNIA.

Walker
Bliss
Konuqy
11-1-33

Cross Section of Existing El Cajon Avenue

From Hamilton st. to Euclid Ave

N.E. B.P. El Cajon + Hamilton

	3.72	372.07	368.35
	10' West W.L. Hamilton		
N cb.		6.24	365.83
N Gut.		7.02	365.05
+10		6.90	365.17
+25		6.75	365.32
+40		6.50	365.57
+55 = ℄		6.48	365.59
+15		6.90	365.17
+30		7.16	364.91
+45		7.60	364.47
+55 = S. Gut.		7.91	364.16
+55 = top cb.		7.25	364.82
	W.L. Hamilton.		
S cb.		6.28	365.79
" Gut.		7.03	365.04
+10		6.77	365.30
+25		6.37	365.70
+40		6.06	366.01
℄		5.64	366.43

Indexed & Reduced by E.S.K.

1

PAVING	372.07	
℄ +15	5.72	366.35
+30	5.97	366.10
+45	6.10	365.97
N Gut.	6.19	365.88
N cb.	5.34	366.73
10' East W.L. Hamilton.		
N cb.	5.27	366.80
" Gut.	5.95	366.12
+10'	5.70	366.37
+25	5.57	366.50
+40	5.28	366.79
℄	5.18	366.89
+15	5.52	366.55
+30	5.90	366.17
+45	6.39	365.68
S. Gut.	6.77	365.30
" top cb.	6.05	366.02
N cb. Line. Hamilton st.		
-50' on cb.	5.05	367.02
-50' " Gut.	5.68	366.39

372.07

-25' on cb.	5.55	366.52
-25 " Gut.	6.09	365.98
-15' " cb.	5.70	366.37
-15 " Gut.	6.18	365.89
S.L. El Cajon on cb.	6.09	365.98
SL. on Gut.	6.54	365.53
+10' on cb.	6.13	365.94
+10' " Gut.	6.64	365.43
S. cb. on Gut.	6.60	365.47
+10'	6.07	366.00
+25'	5.53	366.54
+40	5.19	366.88
℄	4.88	367.19
+15	5.00	367.07
+30	5.16	366.91
+45	5.93	366.64
N cb. on Gut.	5.75	366.32
+10 on cb.	5.29	366.78
+10' " Gut.	5.74	366.33
NL on cb.	5.30	366.77

372.07

N.L. on Gut.	5.75	366.32
+25 on cb.	5.25	366.82
+25 " Gut.	5.66	366.41
+50' " cb.	5.12	366.95
+50 " Gut.	5.60	366.47
10' East of N cb. Hamilton - N 1/4		
-50'	4.86	367.21
-25'	4.87	367.20
NL.	4.80	367.27
+10	5.13	366.94
cb.	5.34	366.73
+10'	5.12	366.95
+25'	4.82	367.25
+40	4.74	367.33
℄	4.65	367.42
+15	4.93	367.14
+30	5.19	366.88
+45	5.73	366.34
S. cb.	6.22	365.85
+10	6.02	366.05

		372.07					372.07			
SL.			5.84	366.23		10' E. of L				
+25			5.49	366.58	-50			4.10	367.97	
+50			5.03	367.04	-25			4.18	367.89	
	L Hamilton				NL.			4.35	367.72	
-50'			4.49	367.58	+10			4.56	367.51	
-25'			4.99	367.08	NCb.			4.86	367.21	
SL.			5.35	366.72	+10			4.67	367.40	
+10			5.57	366.50	+25			4.45	367.62	
SCb.			5.87	366.20	+40			4.33	367.74	
+10			5.40	366.67	L			4.26	367.81	
+25			4.92	367.15	+15			4.47	367.60	
+40			4.67	367.40	+30			4.73	367.34	
L			4.40	367.67	+45			5.16	366.91	
+15'			4.49	367.58	SCb.			5.59	366.48	
+30			4.58	367.49	+10			5.44	366.63	
+45			4.83	367.24	SL.			5.18	366.89	
NCb.			5.00	367.07	+25'			4.67	367.40	
+10			4.72	367.35	+50			4.32	367.75	
NL.			4.25	367.82		E Cb. Hamilton				
+25			4.37	367.70	-50' on Cb.			3.61	368.46	
+50			4.34	367.73	-50' " Cut.			4.23	367.84	

	372.07		
-25' on cb.		4.08	367.99
-25' "Gut.		4.73	367.34
S.L. " cb.		4.68	367.39
S.L. "Gut.		5.23	366.84
+10' on cb.		4.72	367.35
+10' "Gut.		5.31	366.76
S. cb. or Gut.		5.40	366.67
+10'		5.06	367.01
+25		4.59	367.48
+40		4.38	367.69
℄		4.09	367.98
+15'		4.14	367.93
+30		4.29	367.78
+45		4.50	367.57
N cb.		4.68	367.39
+10 on cb.		3.60	368.47
+10 "Gut.		4.49	367.58
N.L. on cb.		3.73	368.34
N.L. "Gut.		4.37	367.70
+25' on cb.		3.75	368.32
+25' "Gut.		4.23	367.84

	372.07		
+50 on cb.		3.60	368.47
+50' "Gut.		4.15	367.92
E. cb +10' = 10' West of E Line Hamilton			
N cb.		3.63	368.44
N. Gut.		4.48	367.59
+10		4.32	367.75
+25		4.05	368.02
+40		3.91	368.16
℄		3.98	368.09
+15'		4.25	367.82
+30		4.50	367.57
+45		4.93	367.14
S Gut.		5.33	366.74
S. cb.		4.69	367.38
0+00 = E.L. Hamilton = 20' E. E. cb. Line			
S. cb.		4.75	367.32
S. Gut.		5.20	366.87
+10'		4.77	367.30
+25'		4.36	367.71
+40		4.20	367.87

		372.07		
℄			3.89	368.18
+15'			3.83	368.24
+30'			3.92	368.15
+45'			4.18	367.89
N Gut.			4.32	367.75
N cb.			3.72	368.35
	0+25			
N cb.			3.19	368.88
" Gut.			4.00	368.07
+10			3.77	368.30
+25			3.48	368.59
+40			3.47	368.60
℄			3.60	368.47
+15'			3.80	368.27
+30			4.04	368.03
+45			4.38	367.69
S. Gut.			4.64	367.43
S. cb.			4.19	367.88
	0+50			
S cb.			3.58	368.49
S Gut.			4.06	368.01

		372.07		
+10'			3.76	368.31
+25			3.48	368.59
+40			3.35	368.72
℄			3.16	368.91
+15			3.02	369.05
+30			2.97	369.10
+45			3.26	368.81
N Gut.			3.47	368.60
N cb.			2.68	369.39
	0+75			
N cb.			2.31	369.76
N Gut.			3.08	368.99
+10'			2.77	269.30
+25'			2.48	369.59
+40			2.56	369.51
℄			2.64	369.43
+15			2.80	369.27
+30			2.95	369.12
+45			3.23	368.84
S Gut.			3.55	368.52
S cb.			2.97	369.10

		372.07		
	1+00			
S cb.			2.37	369.70
S Gut.			2.98	369.09
+10			2.75	369.32
+25			2.41	369.66
+40			2.21	369.86
℄			2.05	370.02
+15			1.97	370.10
+30			1.95	370.12
+45			2.19	369.88
N. Gut.			2.45	369.62
N cb.			1.76	370.31
	1+25			
N cb.			1.25	370.82
N Gut.			1.97	370.10
+10			1.72	370.35
+25			1.43	370.64
+40'			1.48	370.59
℄			1.54	370.53
+15			1.70	370.37
+30			1.87	370.20

		372.07		
+45			2.13	369.94
S Gut.			2.38	369.69
S cb.			1.70	370.37
T.P.	7.61	378.58	1.10	370.97
	1+50			
S cb.			7.68	370.90
Gut.			8.35	370.23
+10			8.09	370.49
+25			7.80	370.78
+40			7.63	370.95
℄			7.52	371.06
+15			7.25	371.33
+30			7.31	371.27
+45'			7.67	370.91
N Gut.			7.96	370.62
N cb.			7.19	371.39
	1+75			
N cb Gut.			7.46	371.12
N top cb.			6.70	371.88
+10			7.12	371.46
+25			6.83	371.75

		378.58		
+40			6.76	371.82
℄			6.95	371.63
+15			7.12	371.46
+30			7.16	371.42
+45			7.51	371.07
S. Gut.			7.79	370.79
S. cb.			7.09	371.49
	2+00			
S cb.			6.52	372.06
S. Gut.			7.21	371.37
+10			6.93	371.65
+25			6.64	371.94
+40			6.60	371.98
℄			6.47	372.11
+15			6.20	372.38
+30			6.20	372.38
+45			6.57	372.01
N Gut.			6.88	371.70
N Top cb.			6.17	372.41
	2+25			

		378.58		
N cb.			5.70	372.88
N Gut.			6.41	372.17
+10			6.12	372.46
+25'			5.65	372.93
+40'			5.72	372.86
℄			5.91	372.67
+15			6.06	372.52
+30			6.17	372.41
+45'			6.41	372.17
S. Gut.			6.66	371.92
S cb.			5.91	372.67
	2+50			
S cb.			5.34	373.24
S Gut.			6.07	372.51
+10			5.80	372.78
+25			5.53	373.05
+40			5.52	373.06
℄			5.34	373.24
+15			5.14	373.44
+30			5.25	373.33

		378.58		
+45			5.59	372.99
N Gut	in Drive Way		5.85	372.73
	2+75			
N cb.			4.70	373.88
" Gut			5.38	373.20
+10			5.01	373.57
+25			4.74	373.84
+40			4.72	373.86
℄			4.75	373.83
+15			4.80	373.78
+30			5.07	373.51
+45			5.29	373.29
S. Gut.			5.49	373.09
S cb.			4.77	373.81
	2+90			
S cb.			4.41	374.17
S. Gut			5.12	373.46
+10			4.93	373.65
+25			4.70	373.88
+40			4.47	374.11

		378.58		
℄			4.27	374.31
+15			4.24	374.34
+30			4.32	374.26
+45			4.80	373.78
N Gut.			5.08	373.50
N. cb.			4.45	374.13
	3+00.5 = W.L. Oregon			
N cb			4.15	374.43
" Gut.			4.80	373.78
+10			4.51	374.07
+25			4.13	374.45
+40			4.02	374.56
℄			3.82	374.76
+15			4.22	374.36
+30			4.49	374.09
+45			4.65	373.93
S. Gut.			4.90	373.68
S cb.			4.18	374.40
	4' East of W.L. Oregon			
S cb.			4.12	374.46
S Gut.			4.85	373.73

	378.58		
+10'	4.58	374.00	
+25	4.38	374.20	
+40	4.15	374.43	
℄	3.83	374.75	
+15	3.98	374.60	
+30	4.09	374.49	
+45	4.49	374.09	
N Gut.	4.75	373.83	
N cb	4.11	374.47	
W. cb. Line	Oregon st.		
-50' on cb.	3.93	374.65	
-50' " Gut.	4.50	374.08	
-25' " " in Drive	4.60	373.98	
N.L. on cb.	4.05	374.53	
" " " Gut.	4.50	374.08	
N.L. +10 on cb.	3.91	374.67	
+10 " Gut.	4.59	373.99	
N cb.	4.65	373.93	
+10	4.39	374.19	
+25	4.02	374.56	
+40	3.92	374.66	

	378.58		
℄	3.77	374.81	
+15	4.09	374.49	
+30	4.24	374.34	
+45	4.52	374.06	
S cb. in Gut.	4.70	373.88	
cb +10 " "	4.71	373.87	
cb +10 on cb.	4.08	374.50	
S.L. " "	4.24	374.34	
" " Gut,	4.60	373.98	
S.L. +25 on cb.	4.12	374.46	
" +25 " Gut.	4.68	373.90	
+50' " "	4.70	373.88	
+50 " cb.	4.27	374.31	
W ¼ Oregon St. = 13 E. W cb.			
-50'	4.03	374.55	
-25'	3.98	374.60	
S.L.	4.10	374.48	
+10	4.39	374.19	
cb	4.57	374.01	
+10	4.25	374.33	
+25	4.00	374.58	

		378.58		
+40			3.87	374.71
L.			3.61	374.97
+15			3.83	374.75
+30			3.90	374.68
+45			4.37	374.21
N cb.			4.60	373.98
+10			4.39	374.19
N.L.			3.92	374.66
+25			4.05	374.53
+50			3.85	374.73
	L	Oregon		
-50'			3.56	375.02
-25			3.74	374.84
N.L.			3.85	374.73
+10			4.27	374.31
N cb.			4.52	374.06
+10			4.20	374.38
+25			3.83	374.75
+40			3.62	374.96
L.			3.55	375.03
+15			3.70	374.88

		378.58		
+30			3.85	374.73
+45			4.16	374.42
cb.			4.45	374.13
+10			4.22	374.36
S.L.			3.75	374.83
+25'			3.61	374.97
+50			3.65	374.93
	E 1/4	Oregon		
-50			3.72	374.86
-25'			3.70	374.88
S.L.			3.80	374.78
+10			4.23	374.35
cb.			4.47	374.11
+10			4.17	374.41
+25			3.81	374.77
+40			3.64	374.94
L.			3.49	375.09
+15			3.54	375.04
+30			3.76	374.82
+45			4.18	374.40
N. cb.			4.59	373.99

	378.58	
+10	4.33	374.25
N.L.	3.92	374.66
+25	3.70	374.88
+50	3.67	374.91
E. cb. Oregon		
-50' on cb.	3.48	375.10
-50' " Gut.	3.96	374.62
-18' on cb.	3.50	375.08
-18' " Gut.	4.06	374.52
N.L. on cb.	3.55	375.03
" " Gut.	4.07	374.51
+10' " "	4.24	374.34
+10 " cb.	3.53	375.05
cb. in Gut.	4.43	374.15
+10'	4.00	374.58
+25'	3.63	374.95
+40	3.38	375.20
L	3.33	375.25
+15	3.65	374.93
+30	3.81	374.77
+45'	4.08	374.50

	378.58	
5 cb. in Gut.	4.36	374.22
" +10 in Gut.	4.24	374.34
+10 on cb.	3.58	375.00
S.L. " "	3.55	375.03
" " Gut.	4.07	374.51
" +25 on cb.	3.68	374.90
+25 in Gut.	4.20	374.38
+50 " "	4.15	374.43
+50 on cb.	3.62	374.96
4' West of E.L. Oregon		
5 cb. on cb.	3.59	374.99
5 cb. Gut.	4.27	374.31
cb +10	4.03	374.55
+25	3.65	374.93
+40	3.60	374.98
L	3.26	375.32
+15	3.34	375.24
+30	3.57	375.01
+45	3.99	374.59
N Gut.	4.33	374.25
N cb.	3.62	374.96

378.58

	0+00 = E.L. Oregon.		
Chk. N.E.B.P. Oregon +El Capon		3.53	375.05
N Cb.		3.59	374.99
N Gut.		4.32	374.26
+10		3.94	374.64
+25		3.53	375.05
+40		3.31	375.27
L.		3.30	375.28
+15		3.60	374.98
+30		3.65	374.93
+45		4.01	374.57
S Gut.		4.25	374.33
" Cb.		3.52	375.06
	0+25		
S Cb.		3.43	375.15
Gut.		4.20	374.38
+10		4.00	374.58
+25		3.69	374.89
+40		3.53	375.05
L.		3.43	375.15

378.58

+15		3.37	375.21
+30		3.52	375.06
+45		3.84	374.74
Gut.		4.27	374.31
N Cb.		3.55	375.03
	0+50		
N Cb.		3.54	375.04
" Gut.		4.13	374.45
+10		3.80	374.78
+25		3.43	375.15
+40		3.32	375.26
L.		3.39	375.19
+15		3.51	375.07
+30		3.55	375.03
+45		3.90	374.68
Gut.		4.15	374.43
S Cb.		3.35	375.23
	0+75		
S Cb.		3.29	375.29
S Gut.		4.03	374.55

		378.58		
cb+10			3.75	374.83
+25			3.48	375.10
+40			3.46	375.12
℄			3.32	375.26
+15			3.19	375.39
+30			3.20	375.38
+45			3.70	374.88
N. Gut.			4.05	374.53
N cb.			3.31	375.27
	1+00			
N cb.			3.30	375.28
Gut.			3.95	374.63
+10			3.61	374.97
+25			3.28	375.30
+40			3.16	375.42
℄			3.26	375.32
+15			3.35	375.23
+30			3.45	375.13
+40			3.74	374.84
S Gut.			3.96	374.62
" cb.			3.21	375.37

		378.58		
	1+25			
S cb.			3.00	375.58
S Gut.			3.80	374.78
+10			3.57	375.01
+25			3.43	375.15
+40			3.23	375.35
℄			3.15	375.43
+15			3.07	375.51
+30			3.15	375.43
+45			3.53	375.05
N Gut.			3.90	374.68
" cb.			3.17	375.41
	1+41			
N cb.			3.15	375.43
" Gut.			3.82	374.76
+10			3.45	375.13
+25			3.10	375.48
+40			3.02	375.56
℄			3.15	375.43
+15			3.22	375.36
+30			3.50	375.08

		378.58		
+45'			3.65	374.93
S Gut.			3.88	374.70
S cb.			3.18	375.40
	1+75			
S cb.			2.95	375.63
S Gut.			3.57	375.01
+10'			3.48	375.10
+25'			3.25	375.33
+40			3.17	375.41
℄			2.97	375.61
+15			2.83	375.75
+30			3.02	375.56
+45			3.47	375.11
N.Gut.			3.68	374.90
N.cb.			3.10	375.48
	2+00			
N cb.			2.99	375.59
N Gut.			3.62	374.96
+10'			3.28	375.30
+25			2.97	375.61
+40			2.71	375.87

		378.58		
℄			2.95	375.63
+15			3.18	375.40
+30			3.11	375.47
+45			3.31	375.27
S Gut.			3.47	375.11
S cb.			2.93	375.65
T.P.	4.51	380.28	2.81	375.77
	2+25			
S.cb.			4.45	375.83
S.Gut.			5.10	375.18
+10			4.92	375.36
+25			4.68	375.60
+40			4.75	375.53
℄			4.48	375.80
+15			4.36	375.92
+30			4.53	375.75
+45			4.83	375.45
N Gut.			5.21	375.07
N cb.			4.66	375.62
	2+50			

		380.28		
	2+50			
N Gut. in Drive			5.14	375.14
+10			4.83	375.45
+25			4.42	375.86
+40			4.33	375.95
℄			4.48	375.80
+15			4.67	375.61
+30			4.68	375.60
+45			4.87	375.41
S Gut.			4.98	375.30
S. cb.			4.40	375.88
	2+75			
S. cb.			4.35	375.93
S Gut.			4.90	375.38
+10			4.72	375.54
+25			4.54	375.74
+40			4.58	375.70
℄			4.37	375.91
+15			4.28	376.00
+30			4.43	375.85
+45			4.74	375.54
N Gut.			5.00	375.28

	380.28	
N. Top cb.	4.47	375.81
3+00.2 = N.L. Idaho		
N. cb.	4.45	375.83
N. Gut.	4.88	375.40
+10'	4.71	375.57
+25'	4.57	375.71
+40	4.37	375.91
℄	4.38	375.90
+15	4.45	375.83
+30	4.56	375.72
+45	4.68	375.60
S. Gut.	4.80	375.48
S cb.	4.27	376.01

Section A - See page 19

40rd 10' East of N.L. Idaho = P.C. cb. Returns

S. cb.	4.22	376.06
S Gut.	4.77	375.51
+10	4.68	375.60
+25	4.58	375.70
+40	4.53	375.75
℄	4.34	375.94

380.28

℄ +15	4.49	375.79
+30	4.51	375.77
+45	4.72	375.56
N. Gut.	4.92	375.36
N cb.	4.30	375.98
Section 8 West. cb. Line Idaho st.		
-50' on cb.	4.16	376.12
-50' " Gut.	4.81	375.47
-25' " " in Drive	4.76	375.53
N.L. " " "	4.84	375.44
+10	4.26	376.02
N. cb. in Gut.	5.06	375.22
+10	4.85	375.43
+25	4.55	375.73
+40	4.53	375.75
℄	4.43	375.85
+15	4.57	375.71
+30	4.60	375.68
+45	4.67	375.61
S Gut.	4.84	375.44
+10	4.88	375.40

380.28

S Gut +10 on cb.	4.19	376.09
S.L. on "	4.23	376.05
" " " Gut.	4.89	375.39
S.L. +25' on cb.	4.51	375.77
" " " Gut.	5.15	375.13
" +50 " "	5.31	374.97
" " " cb.	4.63	375.65
W 1/4 Idaho = Section C		
-50'	5.02	375.26
-25'	4.85	375.43
S.L.	4.60	375.68
+10	4.71	375.57
S Gut.	4.73	375.55
+10'	4.70	375.58
+25'	4.66	375.62
+40	4.64	375.64
℄	4.52	375.76
+15	4.62	375.66
+30	4.77	375.51
+45	4.94	375.34

	380.28		
N Gut.	5.16	375.12	
+10	4.89	375.39	
+18	4.71	375.57	
N.L.	4.62	375.66	
+25'	4.53	375.75	
+50	4.68	375.60	
℄ Idaho St. = Section D			
-50'	4.77	375.51	
-25'	4.81	375.47	
N.L.	4.83	375.45	
+10	5.19	375.09	
N Gut.	5.39	374.89	
+10	5.11	375.17	
+25	4.91	375.37	
+40	4.84	375.44	
℄	4.80	375.48	
+15	4.80	375.48	
+30	4.75	375.53	
+45	4.81	375.47	
S. Gut.	4.81	375.47	
+10'	4.75	375.53	

	380.28		
S.L.	4.70	375.58	
+25'	4.87	375.41	
+50	5.13	375.15	
E 1/4 Idaho St. = Section E			
-50	5.31	374.97	
-25'	5.15	375.13	
S.L.	4.94	375.34	
+10	5.03	375.25	
S. Gut.	5.02	375.26	
+10	4.96	375.32	
+25	4.81	375.47	
+40	4.92	375.36	
℄	4.80	375.48	
+15	4.93	375.35	
+30	5.05	375.23	
+45	5.20	375.08	
N Gut.	5.45	374.83	
+10	5.22	375.06	
N.L.	5.06	375.22	
+25	5.17	375.11	
+50	5.04	375.24	

380.28

East. cb. Line Idaho St. - Section F

-50' on cb.	5.18	375.10
-50' " Gut.	5.60	374.68
-25 " "	5.67	374.61
-25 " cb.	5.25	375.03
N.L. " "	5.36	374.92
" " " Gut.	5.69	374.59
+10 on cb.	5.21	375.07
+10 " Gut.	5.82	374.46
N Gut.	5.79	374.49
+10	5.39	374.89
+25	5.14	375.14
+40	4.98	375.30
℄	4.83	375.45
+15	5.03	375.25
+30	5.11	375.17
+45	5.31	374.97
S. Gut.	5.50	374.78
+10 on cb.	5.14	375.14
+10 " Gut.	5.66	374.62
S.L. " " in Drive	5.58	374.70

380.28

+25' on cb.	5.34	374.94
+25 " Gut.	5.76	374.52
+56 " cb.	5.55	374.73
+56 " Gut.	5.98	374.30

Section G

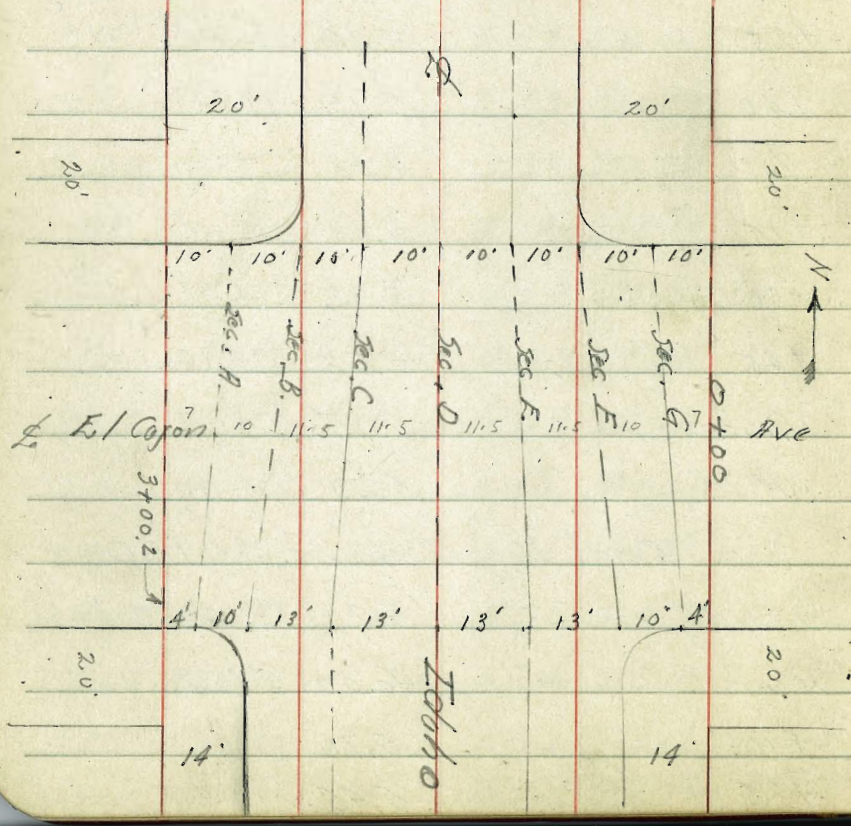
10' East of East. cb. Line Idaho

S top cb.	5.21	375.07
S. cb. on Gut.	5.79	374.49
+10	5.52	374.76
+25	5.34	374.94
+40	5.15	375.13
℄	4.98	375.30
+15	5.18	375.10
+30	5.32	374.96
+45	5.58	374.70
N. Gut.	5.95	374.33
N Top cb.	5.29	374.99

East Line Idaho St. = 0+00

N Top cb.	5.26	375.02
N Gut.	6.00	374.28
+10	5.70	374.58
+25	5.45	374.83

		380.28		
+40			5.20	375.08
℄			5.05	375.23
+15			5.18	375.10
+30			5.35	374.93
+45			5.54	374.74
S. Gut.			5.87	374.41
S. Top ch.			5.27	375.01
T.P.	3.80	378.38	5.70	374.58



	378.38		
	0+25		
S. Gut. in Driveway		4.09	374.29
+10'		3.87	374.51
+25'		3.69	374.69
+40		3.63	374.75
℄		3.55	374.83
+15		3.51	374.87
+30		3.78	374.60
+45		4.02	374.36
N Gut.		4.37	374.01
N Top ch.		3.63	374.75
	0+50		
N Top ch.		3.82	374.56
Gut.		4.51	373.87
+10'		4.20	374.18
+25'		3.94	374.44
+40		3.74	374.64
℄		3.82	374.56
+15'		3.80	374.58
+30		3.94	374.44
+45		4.00	374.38

		378.38		
So. Gut.			4.19	374.19
	1+00			
S. cb.			4.01	374.37
S. Gut.			4.66	373.72
+10'			4.35	374.03
+25'			4.22	374.16
+40			4.19	374.19
℄			4.13	374.25
+15			4.18	374.20
+30			4.19	374.19
+45			4.64	373.74
N. Gut.			5.03	373.35
" cb.			4.27	374.11
	1+50			
N. cb.			4.87	373.51
N. Gut.			5.69	372.69
+10'			5.20	373.18
+25'			4.66	373.72
+40			4.62	373.76
℄			4.66	373.72
+15			4.55	373.83

		378.38		
℄ +30			4.65	373.73
+45			4.88	373.50
S. Gut.			5.00	373.38
S cb.			4.35	374.03
	2+00			
S. cb.			4.72	373.66
S. Gut.			5.36	373.02
+10'			5.17	373.21
+25			5.03	373.35
+40			5.06	373.32
℄			5.08	373.30
+15'			5.04	373.34
+30			5.13	373.25
+45			5.63	372.75
N Gut.			6.13	372.25
N Top cb.			5.31	373.07
	2+50			
N Top cb.			5.91	372.47
N. Gut.			6.65	371.73
+10			6.14	372.24

		378.38		
+25			5.66	372.72
+40			5.47	372.91
℄			5.52	372.86
+15			5.42	372.96
+30			5.50	372.88
+45			5.62	372.76
S. Gut.			5.70	372.68
S. Cb.			5.03	373.35
	2+75			
S. Cb.			5.28	373.10
S. Gut.			5.99	372.39
+10			5.85	372.53
+25			5.68	372.70
+40			5.60	372.78
℄			5.67	372.71
+15			5.65	372.73
+30			5.98	372.40
+45			6.44	371.94
N Gut.			6.91	371.47
N. Top Cb.			6.21	372.17

		378.38		
	2+99.6 = W.L. UTAH St.			
N. Cb.			6.47	371.91
N. Gut.			7.13	371.25
+10'			6.65	371.73
+25'			6.08	372.30
+40			5.74	372.64
℄			5.62	372.76
+15'			5.71	372.67
+30'			5.92	372.46
+45'			5.98	372.40
S. Gut.			6.12	372.26
S. Top Cb			5.44	372.94
	4' East. W.L.			
S. Top Cb.			5.44	372.94
S. Gut.			6.12	372.26
+10'			5.99	372.39
+25'			5.93	372.45
+40			5.75	372.63
℄			5.64	372.74
+15'			5.78	372.60

		378.38			
℄ +30			6.09	372.29	
+45			6.67	371.71	
N. Gut.			7.15	371.23	
" cb.			6.46	371.92	
T.P.	4.90	378.15	6.13	373.25	N.E. top Hyd. Utah + E/Logan
	West cb. Line Utah st.				
-50' on cb.			6.43	371.72	
-50' " Gut.			7.05	371.10	
-25' " "			6.90	371.25	
-25' " cb.			6.25	371.90	
N.L. on "			6.16	371.99	
N.L. " Gut.			6.82	371.33	
+10 " "			6.89	371.26	
+10 " cb.			6.17	371.98	
N cb. on Gut.			6.94	371.21	
+10			6.52	371.63	
+25			5.93	372.22	
+40			5.62	372.53	
℄			5.46	372.69	
+15'			5.68	372.47	
+30'			5.77	372.38	

	378.15			
+45		5.82	372.33	
S. Gut.		5.92	372.23	
+10 on cb.		6.08	373.07	
" " Gut.		5.82	372.33	
S.L. " "		5.76	372.39	
" " cb.		5.14	373.01	
+25 on cb.		5.07	373.08	
+25 " Gut.		5.64	372.51	
+50' " "		4.92	373.23	
+50 " cb.		5.62	372.53	
	W ½ Utah. st.			
-50		5.19	372.96	
-25		5.35	372.80	
S.L.		5.48	372.67	
+10		5.85	372.30	
S Gut.		6.03	372.12	
+10'		5.97	372.18	
+25		5.84	372.31	
+40		5.75	372.40	
℄		5.59	372.56	
+15		5.84	372.31	

	378.15		
L +30		6.13	372.02
+45		6.63	371.52
N. Gut.		7.10	371.05
+10		6.84	371.31
H.L.		6.54	371.61
+25		6.42	371.73
+50		6.58	371.57
E Utah St.			
-50'		6.60	371.55
-25'		6.45	371.70
H.L.		6.57	371.58
+10		6.94	371.21
Gut.		7.22	370.93
+10		6.78	371.37
+25'		6.13	372.02
+40		5.91	372.24
L		5.73	372.42
+15'		5.83	372.32
+30		5.95	372.20
+45		6.00	372.15
S. Gut.		6.21	371.94

	378.15		
+10		5.96	372.19
S.L.		5.50	372.65
+25		5.18	372.97
+50		5.10	373.05
E ¼ Utah			
-50'		5.59	372.56
-25'		5.67	372.48
S.L.		5.87	372.28
+10'		6.13	372.02
Gut.		6.40	371.75
+10'		6.24	371.91
+25		6.16	371.99
+40		6.11	372.04
L		5.97	372.18
+15'		6.18	371.97
+30		6.38	371.77
+45		6.97	371.18
N Gut.		7.39	370.76
+10'		7.20	370.95
H.L.		6.94	371.21
+25		6.88	371.27

37815

N.L. +50	7.08	371.07
E cb. Line Utah st.		
-50 on cb.	7.47	370.68
" " Gut.	7.82	370.33
-25 " cb.	7.25	370.90
-25 " Gut.	7.65	370.50
N.L. " "	7.49	370.66
" " cb.	7.13	371.02
N.L. +10 on cb.	7.11	371.04
" +10 " Gut.	7.61	370.54
Gut.	7.63	370.52
+10	7.16	370.99
+25	6.57	371.58
+40	6.35	371.80
℄	6.14	372.01
+15	6.33	371.82
+30	6.32	371.83
+45	6.39	371.76
S. Gut.	6.56	371.59
+10 on cb.	6.07	372.08
" " " Gut.	6.57	371.58

37815

S.L. on Gut. in Drive	6.47	371.68
+25 " " " "	6.52	371.63
+50 " " " "	6.43	371.72
10' E. E. cb.		
S cb.	6.00	372.15
S. Gut.	6.64	371.51
+10	6.55	371.60
+25	6.50	371.65
+40	6.50	371.65
℄	6.31	371.84
+15	6.50	371.65
+30	6.68	371.47
+45	7.32	370.83
N. Gut.	7.78	370.37
N Top cb.	7.16	370.99
0+00 = E.L. Utah st.		
N. Top cb.	7.14	371.01
N. Gut.	7.82	370.33
+10	7.33	370.82
+25	6.75	371.40
+40	6.61	371.54

	378.15	
℄	6.33	371.82
+15	6.54	371.61
+30	6.55	371.60
+45	6.59	371.56
S Gut.	6.70	371.45
S. Cb.	6.02	372.13
0+25		
S. Cb.	6.31	371.84
" Gut.	6.94	371.21
+10	6.71	371.38
+25	6.85	371.30
+40	6.94	371.21
℄	6.91	371.24
+15	6.98	371.17
+30	7.24	370.91
+45	7.61	370.54
N Gut.	7.99	370.16
N Top Cb.	7.47	370.73
0+50		
N Top Cb.	7.59	370.56
" Gut.	8.24	369.91

	378.15	
+10	7.81	370.34
+25	7.46	370.69
+40	7.25	370.90
℄	7.17	370.98
+15	7.14	371.01
+30	7.06	371.09
+45	7.08	371.07
S Gut. in Drive Way	719	370.96
0+80		
S. Cb.	6.94	371.21
S. Gut.	7.56	370.59
+10	7.43	370.72
+25	7.47	370.68
+40	7.55	370.60
℄	7.51	370.64
+15	7.52	370.63
+30	7.77	370.38
+45	8.03	370.12
N. Gut.	8.51	369.64
N. top Cb.	7.85	370.30

1+00	378.15		
N cb.	8.20	369.95	
" Gut.	8.77	369.38	
+10	8.25	369.90	
+25'	7.89	370.26	
+40	7.72	370.43	
℄	7.65	370.50	
+15'	7.73	370.42	
+30'	7.69	370.46	
+45'	7.65	370.50	
S. Gut.	7.65	370.50	
S. Top. cb.	7.02	371.13	
1+43			
S Top. cb.	7.47	370.68	
" Gut.	8.22	369.93	
+10	8.22	369.93	
+25	8.17	369.98	
+40	8.09	370.06	
℄	8.09	370.06	
+15	8.06	370.09	
+30	8.26	369.89	
+45	8.57	369.58	

	378.15		
N Gut.	9.02	369.13	
N. Top cb	8.42	369.73	
1+50			
N Top cb.	8.53	369.62	
" Gut.	9.10	369.05	
+10'	8.68	369.47	
+25'	8.34	369.81	
+40	8.19	369.96	
℄	8.11	370.04	
+15	8.14	370.01	
+30	8.30	369.85	
+45'	8.24	369.91	
S. Gut.	8.19	369.96	
S. cb.	7.61	370.54	
2+00			
S. cb.	8.15	370.00	
S. Gut.	8.86	369.29	
+10	8.70	369.45	
+25	8.63	369.52	
+40	8.58	369.57	
℄	8.65	369.50	

		378.15		
£ +15			8.65	369.50
+30			8.73	369.42
+45			9.13	369.02
N Gut.			9.53	368.62
N Top cb.			8.88	369.27
	2+50			
N. Top cb.			9.30	368.85
N Gut.			9.96	368.19
+10			9.60	368.55
+25			9.28	368.87
+40			9.05	369.10
£			9.07	369.08
+15			9.06	369.09
+30			9.14	369.01
+45			9.13	369.02
S. Gut.			9.20	368.95
S. Top cb.			8.65	369.50
T.P.	4.43	374.29	8.29	369.86
	2+80			
S. cb.			4.95	369.34
S. Gut.			5.63	368.66

		374.29		
S Gut +10			5.53	368.76
+25			5.54	368.75
+40			5.40	368.89
£			5.42	368.87
+15			5.37	368.92
+30			5.60	368.69
+45			5.95	368.34
Gut.			6.37	367.92
N. cb.			5.72	368.57
	2+93			
N. cb.			5.80	368.49
N. Gut.			6.46	367.83
+10			6.06	368.23
+25'			5.70	368.59
+40			5.33	368.96
£			5.23	369.06
+15			5.36	368.93
+30			5.57	368.72
+45			5.65	368.64
S. Gut.			5.77	368.52
S. cb.			5.09	369.20

374.29

2+99.7 = W.L. Kansas St.			
S. top cb.	5.23	369.06	
" Gut.	5.89	368.40	
+10	5.64	368.65	
+25	5.64	368.65	
+40	5.45	368.84	
℄	5.43	368.86	
+15	5.40	368.89	
+30	5.74	368.55	
+45	6.10	368.19	
N. Gut.	6.48	367.81	
N cb.	5.85	368.44	
4'E			
N cb.	5.81	368.48	
" Gut.	6.52	367.77	
+10	6.09	368.20	
+25	5.75	368.54	
+40	5.44	368.85	
℄	5.28	369.01	
+15	5.55	368.74	
+30	5.68	368.61	

374.29

+45	5.70	368.59
S. Gut.	5.93	368.36
S. cb.	5.24	368.95
Nat. cb. Line Kansas		
-50 on cb.	4.94	369.35
" " Gut.	5.61	368.68
-25 " "	5.73	368.56
" " cb.	5.10	369.19
S.L. " "	5.08	369.21
" " " Gut.	5.76	368.53
S.L. +10 on cb.	5.11	369.18
" " 10 on Gut.	5.78	368.51
S Gut.	6.04	368.25
+10	5.83	368.46
+25	5.74	368.55
+40	5.74	368.55
℄	5.50	368.79
+15	5.69	368.60
+30	5.84	368.45
+45	6.20	368.09
N. Gut	6.55	367.74

374.29

+10 on cb.	5.89	368.40
+10 " Gut.	6.65	367.64
N.L. " cb.	6.01	368.28
" " Gut.	6.54	367.75
+25 " cb.	5.85	368.44
+25 " Gut.	6.45	367.84
+50 " cb.	6.08	368.21
+50 " Gut.	6.61	367.68
N ¼, Kansas St.		
-50	6.26	368.03
-25	6.15	368.14
N.L.	6.19	368.10
+10	6.41	367.88
Gut.	6.65	367.64
+10	6.32	367.97
+25	5.95	368.34
+40	5.78	368.51
L	5.64	368.65
+15	5.78	368.51
+30	5.88	368.41
+45	6.00	368.29

374.29

S. Gut.	6.15	368.14
+10	5.88	368.41
S.L.	5.53	368.76
+25	5.17	369.12
+50	5.07	369.22
L Kansas		
-50	5.02	369.27
-25	5.13	369.16
S.L.	5.50	368.79
+10	5.99	368.30
S. Gut.	6.21	368.08
+10	6.06	368.23
+25	5.92	368.37
+40	5.83	368.46
L	5.67	368.62
+15	5.86	368.43
+30	5.99	368.30
+45	6.45	367.84
N. Gut.	6.90	367.39
+10	6.55	367.74

374.29

N.L.	6.09	368.20	
+25	6.13	368.16	
+50	6.13	368.16	
E ¼. Kansas			
-50	6.38	367.91	
-25	6.40	367.89	
N.L.	6.50	367.79	
+10	6.75	367.54	
N. Gut.	6.97	367.32	
+10	6.59	367.70	
+25	6.19	368.10	
+40	5.89	368.40	
℄	5.78	368.51	
+15	6.06	368.23	
+30	6.12	368.17	
+45	6.24	368.05	
S. Gut.	6.35	367.94	
+10	6.22	368.07	
S.L.	5.82	368.47	
+25	5.56	368.73	
+50	5.38	368.91	

374.29

E cb. Line Kansas		
-50 on Gut.	6.15	368.14
-50 " cb.	5.58	368.71
-25 " "	5.74	368.55
-25 " Gut	6.27	368.02
S.L. on cb	5.79	368.50
" Gut.	6.25	368.04
+10 cb.	5.73	368.56
+10 Gut.	6.35	367.94
S. Gut.	6.42	367.87
+10	6.30	367.99
+25	6.19	368.10
+40	6.17	368.12
℄	5.90	368.39
+15	6.13	368.16
+30	6.38	367.91
+45	6.65	367.64
N Gut.	7.11	367.18
+10 on Gut.	7.02	367.27
" " cb.	6.40	367.89

37429

N.L. on cb.	6.43	367.86
" "Gut.	6.90	367.39
+25 " "	6.99	367.30
" " " cb.	6.54	367.75
+50 " "	6.58	367.71
+50 "Gut.	7.06	367.23
N.E. B.L. Kansas & Ellwyn	6.43	367.86
10' East of E. cb. Line Kansas		
N cb.	6.38	367.91
" Gut.	7.10	367.19
+10	6.70	367.59
+25	6.45	367.84
+40	6.22	368.07
℄	5.97	368.32
+15	6.20	368.09
+30	6.27	368.02
+45	6.46	367.83
S. Gut.	6.61	367.68
S. cb.	5.88	368.41
0+00 = EL. Kansas		

37429

S. cb.	5.97	368.32
" Gut.	6.70	367.59
+10	6.50	367.79
+35	6.36	367.94
+40	6.23	368.06
℄	5.99	368.30
+15	6.22	368.07
+30	6.46	367.83
+45	6.73	367.56
N. Gut.	7.11	367.18
N. cb.	6.39	367.90
0+25		
N. cb.	6.79	367.50
" Gut.	7.31	366.90
+10'	7.00	367.29
+25	6.68	367.61
+40	6.50	367.79
℄	6.50	367.79
+15	6.50	367.79
+30	6.65	367.64
+45	6.68	367.61

		374.29		
S. Gut.			7.00	367.29
S. Cb.			6.19	368.10
	0+50			
S. Cb.			6.50	367.79
" Gut.			7.39	366.90
+10			7.15	367.14
+25			6.87	367.42
+40			6.88	367.41
℄			6.84	367.45
+15			6.79	367.50
+30			7.00	367.29
+45			7.37	366.92
N. Gut.			7.70	366.59
N. Cb.			7.03	367.26
	1+00			
N. Cb.			7.60	366.69
" Gut.			8.21	366.08
+10			7.88	366.41
+25			7.52	366.77
+40			7.40	366.89
℄			7.43	366.86

		374.29		
℄+15'			7.44	366.85
+30'			7.45	366.84
+45'			7.63	366.66
S. Gut.			7.99	366.30
S. Cb.			7.17	367.12
	1+50			
S. Cb.			7.76	366.53
" Gut.			8.57	365.72
+10			8.20	366.09
+25			8.09	366.20
+40			8.09	366.20
℄			8.06	366.23
+16			7.99	366.30
+30			8.07	366.22
+45			8.34	365.95
N. Gut.			8.75	365.54
N. Cb.			8.17	366.12
	2+00			
N Cb.			8.69	365.60
N Gut.			9.30	364.99

		374.29								
N. Gut										
+10'			8.90	365.39		N Cb.			9.54	364.75
+25'			8.68	365.61		" Gut.			10.14	364.15
+40			8.58	365.71		+10			9.87	364.42
℄			8.62	365.67		+25			9.53	364.76
+15'			8.70	365.59		+40			9.47	364.82
+30			8.77	365.52		℄			9.54	364.75
+45			8.94	365.35		+15			9.58	364.71
S. Gut.			9.11	365.18		+30			9.68	364.61
S. Cb.			8.34	365.95		+45			9.83	364.46
	2+50					S. Gut.			9.97	364.32
S. Cb.			8.99	365.30		S. Cb.			9.27	365.02
S. Gut.			9.68	364.61		T.P.	3.13	369.92	7.50	366.79
+10			9.51	364.78			2+99 = Mert. Line		30th St.	
+25			9.42	364.87		S. Cb.			5.22	364.70
+40			9.34	364.95		" Gut.			5.90	364.02
℄			9.27	365.02		+10'			5.72	364.20
+15			9.17	365.12		+25'			5.67	364.25
+30			9.18	365.11		+40'			5.57	364.35
+45			9.52	364.77		℄			5.52	364.40
N Gut.			9.87	364.42		+15			5.55	364.37
N Top.			9.28	365.01		+30			5.67	364.25

		369.92			
+ 45			5.92	364.00	
N Gut.			6.00	363.92	
N. Cb.			5.42	364.50	
	4' East of West line 30th				
N Cb.			5.40	364.52	
" Gut.			6.02	363.90	
+ 10			5.92	364.00	
+ 25			5.77	364.15	
+ 40			5.65	364.27	
L			5.62	364.30	
+ 15			5.69	364.23	
+ 30			5.76	364.16	
+ 45			5.83	364.09	
S. Gut.			5.90	364.02	
S. Cb.			5.27	364.65	
T.P.	4.81	368.98	5.75	364.17	N.E. BP 30th and E. I Cajon
	West Cb. Line 30th St.				
50' East on Cb.			3.96	365.02	
" " " Gut.			4.62	364.36	
25' " " "			4.87	364.11	
" " " Cb.			4.18	364.80	

	368.98			
SL. Cb.		4.39	364.59	
" Gut.		5.02	363.96	
+ 10' on Cb.		4.32	364.66	
+ " " Gut.		5.05	363.93	
Cb. " "		5.07	363.91	
+ 10'		5.05	363.93	
+ 25		4.98	364.00	
+ 40		4.94	364.04	
L		4.84	364.14	
+ 15		4.90	364.08	
+ 30		5.00	363.98	
+ 45		5.07	363.91	
Gut.		5.16	363.82	
+ 10 on Gut.		5.10	363.88	
+ 10' " Cb.		4.44	364.54	
NL. on Cb.		4.37	364.61	
" " Gut.		5.08	363.90	
+ 25' in Drive Way		5.03	363.95	
+ 50' on Cb.		4.26	364.72	
" " Gut.		4.96	364.02	

Walker
Bliss-T
Kanagy-God

LEVELS For BENCH MARKS

E/Cajon Blvd.
Oregon to Euclid Ave.

	5.08	380.13		375.05	
T.P.	1.55	378.79	2.89	377.24	
T.P.	1.92	375.15	5.56	373.23	
T.P.	4.16	372.02	7.29	367.86	
T.P.	4.73	368.90	7.85	364.17	
T.P.	4.40	367.54	5.76	363.14	
T.P.	11.21	373.73	5.02	362.52	
T.P.	7.41	380.33	0.81	372.92	Reset
T.P.	5.31	382.60	3.04	377.29	
			4.69	377.91	set.
T.P.	3.505	379.550	6.555	376.045	
T.P.	4.27	377.87	5.95	373.60	set.
T.P.	5.81	380.180	3.50	374.37	
			5.83	374.35	
T.P.	6.745	382.55	4.375	375.805	
T.P.	5.24	384.150	3.64	378.91	
T.P.	6.095	385.50	4.745	379.405	
T.P.	4.98	385.96	4.52	380.98	
T.P.	3.925	384.225	5.66	380.30	

Continued on Page 36

N.E. B.P.	Oregon	And	E.L.	CAJON	BLVD.
N.E. top Hydt.	IDAHO	"	"	"	"
N.E. top Hydt.	UTAH	"	"	"	"
N.E. B.P.	KANSAS	"	"	"	"
N.E. B.P.	30th	"	"	"	"
S.E. B.P.	OHIO	"	"	"	"
S.E. B.P.	Illinois	"	"	"	"
S.E. B.P.	IOWA	"	"	"	"
N.E. top Hydt.	Iowa	"	"	"	"
N.E. B.P.	BOUNDARY	"	"	"	"
N.W. B.P.	BANCROFT	"	"	"	"
S.W. B.P.	33rd	"	"	"	"
S.W. B.P.	Felton	"	"	"	"
S.W. B.P.	34th	"	"	"	"
S.W. B.P.	Swift	"	"	"	"
S.W. B.P.	35th	"	"	"	"
S.W. B.P.	Wilson	"	"	"	"

BENCH MARKS
EL CAJON BLVD.

Continued from Page 35

384.225

T.P	4.10	382.15	6.175	378.05	
T.P	3.94	380.23	5.86	376.29	
T.P	4.64	378.21	6.66	373.57	
T.P	3.045	375.955	5.30	372.91	set
			6.69	369.265	set
T.P	3.905	371.705	8.155	367.800	
T.P	4.25	370.350	5.605	366.10	
T.P	4.830	369.575	5.605	364.745	
T.P	5.550	370.125	5.00	364.575	
			5.590	364.535	
T.P	4.640	369.94	4.825	365.300	
T.P	4.48	368.950	5.47	364.47	set
T.P	5.41	368.435	5.925	363.025	
T.P	4.06	367.70	4.795	363.640	set
T.P	1.79	359.570	9.92	357.78	
T.P	6.116	358.405	7.275	352.295	set
T.P	5.990	360.79	3.605	354.80	
TP	5.66	361.86	4.59	356.20	

Continued Page 37

S.W. B.P.	36TH	AND	EL CAJON	BLVD.
S.W. B.P.	Cherokee	"	" "	"
S.W. B.P.	37TH	"	" "	"
N.E. B.P.	McClintock	"	" "	"
N.E. B.P.	38th	"	" "	"
S.W. B.P.	39th	"	" "	"
S.W. B.P.	40th	"	" "	"
S.W. B.P.	Central	"	" "	"
S.W. B.P.	41st	"	" "	"
S.W. B.P.	Marlborough	"	" "	"
S.W. B.P.	42nd	"	" "	"
S.W. B.P.	Capeland	"	" "	"
S.W. B.P.	Van Dyke	"	" "	"
S.W. B.P.	43rd	"	" "	"
S.W. B.P.	Fairmount	"	" "	"
S.W. B.P.	44th	"	" "	"
S.W. B.P.	Highland	"	" "	"

BENCH MARKS
EL CAJON BLVD.
Continued from Page 36

361.86

T.P.	5.815	363.135	4.54	357.32	S.W. B.P.	45TH	And	EL CAJON	BLVD
T.P.	2.965	359.590	6.510	356.625	S.W. B.P.	Chamoune	"	"	"
T.P.	6.03	359.07	6.55	353.04	S.W. B.P.	46TH	"	"	"
T.P.	4.54	355.250	8.36	350.71					
			4.03	351.22	S.W. B.P.	Menlo	"	"	"
T.P.	3.975	351.220	8.005	347.245	S.W. B.P.	47th	"	"	"
T.P.			5.48	345.74	S.W. B.P.	Euclid	"	"	"

36898

W 1/4 - 30+4

-50'	4.50	364.48
-25	4.55	364.43
N.L.	4.87	364.11
+10	5.05	363.93
Gut.	5.17	363.81
+10	5.17	363.81
+25	5.04	363.94
+40	4.94	364.04
L	4.89	364.09
+15	5.03	363.95
+30	5.11	363.87
+45	5.20	363.78
S.Gut.	5.18	363.80
+10	5.00	363.98
S.L.	4.88	364.10
+25	4.48	364.50
+50	4.14	364.84

31.88' E. W. Line 30+4 = Gage S.D.E.R.R. West Rail

-50 on W Rail	4.17	364.81
" " E "	4.18	364.80

36898

-25 on W. Rail	4.50	364.48
" " E "	4.50	364.48
S.L. " W "	4.93	364.05
" " E "	4.93	364.05
+10 " W "	5.10	363.88
" " E "	5.10	363.88
S. Gut. on W Rail	5.23	363.75
" " " E "	5.21	363.77
+10 " W "	5.26	363.72
" " E "	5.25	363.73
+25 " W "	5.20	363.78
" " E "	5.20	363.78
+40 " W "	5.07	363.91
" " E "	5.07	363.91
L " W "	4.92	364.06
" " E "	4.92	364.06
+15 " W "	4.96	364.02
" " E "	4.94	364.04
+30 " W "	5.12	363.86
" " E "	5.10	363.88

368.98

+45' on W Rail	5.25	363.73	
+45 " E "	5.23	363.75	
N Gut. " W "	5.20	363.78	
" " " E "	5.19	363.79	
+10' " W "	5.07	363.91	
" " E "	5.06	363.92	
N.L. on W "	4.88	364.10	
" " E "	4.88	364.10	
+25' " W "	4.56	364.42	
" " E "	4.56	364.42	
+50 " W "	4.50	364.48	
" " E "	4.50	364.48	
℄ 30th			
-50	4.50	364.48	
-25	4.63	364.35	
N.L.	4.93	364.05	
+10	5.11	363.87	
N Gut.	5.25	363.73	
+10	5.28	363.70	
+25	5.16	363.82	
+40	5.00	363.98	

368.98

℄	4.97	364.01	
+15	5.09	363.89	
+30	5.17	363.81	
+45	5.24	363.74	
S. Gut.	5.27	363.71	
+10	5.12	363.86	
S.L.	4.92	364.06	
+25'	4.50	364.48	
+50	4.22	364.76	
E 1/4 30th			
-50'	4.56	364.42	
-25'	4.76	364.22	
S.L. on Rim MH	4.95	364.03	℄ MH 12" E ℄ 30th 16" Gate
+10	5.19	363.79	
S. Gut.	5.33	363.65	
+10'	5.34	363.64	
+25'	5.24	363.74	
+40	5.17	363.81	
℄	5.11	363.87	
+15	5.03	363.95	
+30	5.30	363.68	

	368.98		
+45	5.41	363.57	
N. Gut.	5.39	363.59	
+10'	5.42	363.56	
N.L.	5.34	363.64	
+25	4.92	364.06	
+50	4.83	364.15	
E. Cb.			
-50 on cb.	4.67	364.31	
" " Gut.	5.22	363.76	
-25 " " in Drive Way	5.31	363.67	
N.L. on cb.	4.87	364.11	
" " Gut.	5.41	363.57	
+10' " "	5.40	363.58	
+10 " Cb.	4.87	364.11	
N. Gut.	5.45	363.53	
+10	5.37	363.61	
+25	5.28	363.70	
+40	5.06	363.92	
L.	5.09	363.89	
+15	5.16	363.82	
+30	5.25	363.73	

	368.98		
+45	5.40	363.58	
S. Gut.	5.42	363.56	
+10' on cb.	4.75	364.23	
" " Gut.	5.38	363.60	
S.L. " cb.	4.77	364.21	
" " Gut	5.33	363.65	
+25' on cb.	4.60	364.38	
" " Gut.	5.24	363.74	
+50 ' cb.	4.40	364.58	
" " Gut.	5.00	363.98	
10' E. E. cb. Line 30th			
S cb.	4.75	364.23	
" Gut.	5.46	363.52	
+10	5.32	363.66	
+25	5.21	363.77	
+40	5.11	363.87	
L.	5.03	363.95	
+15	5.11	363.87	
+30	5.24	363.74	
+45	5.37	363.61	

	368.98		
N Gut.	5.44	363.54	
N cb.	4.84	364.14	
E. Line. 30th = 0+00			
N cb.	4.85	364.13	
Gut.	5.43	363.55	
+10	5.31	363.67	
+25	5.20	363.78	
+40	5.07	363.91	
℄	4.99	363.99	
+15	5.05	363.93	
+30	5.19	363.79	
+45	5.28	363.70	
S. Gut.	5.45	363.53	
cb.	4.75	364.23	
C. E.			
S cb.	4.78	364.20	
S Gut.	5.18	363.50	
+10	5.26	363.72	
+25	5.16	363.82	
+40	4.99	363.99	
℄	4.89	364.09	

	368.98		
+15	4.99	363.99	
+30	5.10	363.88	
+45	5.22	363.76	
N Gut.	5.43	363.55	
N cb.	4.89	364.09	
0+25			
N cb.	4.89	364.09	
Gut.	5.52	363.46	
+10	5.12	363.86	
+25	4.94	364.04	
+40	4.91	364.07	
℄	5.01	363.97	
+15	4.94	364.04	
+30	5.12	363.86	
+45	5.35	363.63	
S. Gut.	5.52	363.46	
cb.	4.88	364.10	
0+50			
S cb.	5.01	363.97	
S Gut.	5.66	363.32	
+10	5.39	363.59	

		368.93		
+25			5.23	363.75
+40			5.12	363.86
℄			5.05	363.93
+15			4.95	364.03
+30			4.98	364.00
+45			5.15	363.83
N Gut.			5.55	363.43
N Cb.			5.00	363.98
	0+75			
N. Gut.	in Drive		5.57	363.41
+10			5.17	363.81
+25			5.02	363.96
+40			5.02	363.96
℄			5.08	363.90
+15			5.02	363.96
+30			5.24	363.74
+45			5.48	363.50
S. Gut.			5.78	363.20
S. Cb.			5.10	363.88

		368.98		
	1+00			
S. Cb.			5.16	363.82
S. Gut.			5.79	363.19
+10			5.46	363.52
+25			5.27	363.71
+40			5.19	362.79
℄			5.10	363.88
+15			5.06	363.92
+30			5.07	363.91
+45			5.21	363.77
N. Gut.			5.57	363.41
N Cb			5.02	363.96
	1+25			
N. Cb.			5.08	363.90
N. Gut.			5.67	363.31
+10			5.30	363.68
+25			5.06	363.92
+40			5.09	363.89
℄			5.17	363.81
+15			5.20	363.78
+30			5.35	363.63

		368.98		
+45			5.55	363.43
S. Gut.			5.95	363.03
S. Cb.			5.33	363.65
	1+50			
S. Cb.			5.32	363.66
S. Gut			6.03	362.95
+10			5.67	363.31
+25			5.47	363.51
+40			5.30	363.68
℄			5.22	363.76
+15			5.13	363.85
+30			5.10	363.88
+45			5.36	363.62
N Gut.			5.65	363.33
N. Cb.			5.14	363.84
	1+75			
N Cb.			5.10	363.88
N Gut.			5.66	363.32
+10			5.33	363.65
+25			5.24	363.74
+40			5.23	363.75

		368.98		
℄			5.27	363.71
+15			5.31	363.67
+30			5.52	363.46
+45			5.68	363.30
S. Gut.			6.07	362.91
S. Cb.			5.49	363.49
	2+00			
S. Cb.			5.60	363.38
Gut.			6.16	362.82
+10			5.84	363.14
+25			5.60	363.38
+40			5.36	363.62
℄			5.36	363.62
+15			5.23	363.75
+30			5.30	363.68
+45			5.37	363.61
N. Gut.			5.71	363.27
N. Cb.			5.25	363.73
	2+50			
N Cb.			5.38	363.60
N. Gut			5.80	363.18

		368.98						
+10			5.42	363.56				
+25			5.32	363.66				
+40			5.33	363.65				
℄			5.48	363.50				
+15			5.53	363.45				
+30			5.63	363.35				
+45			5.85	363.13				
S. Gut.			6.20	362.78				
S. Cb.			5.62	363.36				
T.P.	4.16	368.20 ✓	4.94	364.04				
check St. BP. Ohio + Pl Cayon			5.06	363.14 ✓				
	2+75							
S. Cb.			5.09	363.11				
Gut.			5.52	362.68				
+10			5.25	362.95				
+25			4.95	363.25				
+40			4.82	363.38				
℄			4.75	363.45				
+15			4.68	363.52				
+30			4.59	363.61				
+45			4.64	363.56				
		368.20						
N Gut.			5.06	363.14				
N Cb.			4.58	363.62				
	2+82							
N Cb.			4.57	363.63				
N Gut.			5.08	363.12				
+10			4.69	363.51				
+25			4.64	363.56				
+40			4.65	363.55				
℄			4.79	363.41				
+15			4.80	363.40				
+30			5.03	363.17				
+45			5.28	362.92				
S. Gut.			5.52	362.68				
S. Cb.			5.11	363.09				
	2+96							
S. Cb.			5.10	363.10				
S. Gut.			5.57	362.63				
+10			5.40	362.80				
+25			5.18	363.02				
+40			4.90	363.30				
℄			4.65	363.55				

	368.20		
℄ + 15		4.73	363.47
+ 30		4.82	363.38
+ 45		4.81	363.39
N Gut.		5.08	363.12
N cb.		4.60	363.60
	3+01.3 = W.L. Ohio		
N cb.		4.61	363.59
N Gut.		5.08	363.12
+ 10'		4.86	363.34
+ 25		4.90	363.30
+ 40		4.81	363.39
℄		4.80	363.40
+ 15		5.01	363.19
+ 30		5.32	362.88
+ 45		5.46	362.74
S. Gut.		5.57	362.63
S. cb.		5.11	363.09
	4' E. W E.L. Ohio		
S cb.		5.12	363.08
S. Gut.		5.60	362.60
+ 10		5.50	362.70

	368.20		
+ 25		5.39	362.81
+ 40		5.13	363.07
℄		4.90	363.30
+ 15		4.92	363.28
+ 30		4.98	363.22
+ 45		4.97	363.23
N Gut.		5.08	363.12
N. cb.		4.61	363.59
	14' East W. Line Ohio = West cb. Line Ohio St. on South		
N cb.		4.55	363.65
N Gut.		5.05	363.15
+ 10		5.09	363.11
+ 25		5.11	363.09
+ 40		5.22	362.98
℄		5.21	362.99
+ 15		5.40	362.80
+ 30		5.55	362.65
+ 45		5.66	362.54
S. Gut.		5.67	362.53
+ 10 on cb.		5.18	363.02
+ 10' " Gut.		5.61	362.59

		368.20			
S.L. on cb.			5.15	363.05	
" " Gut.			5.57	362.63	
+25. on cb.			5.08	363.12	
" " Gut.			5.53	362.67	
+50' on cb in Drive on cb			5.25	362.95	
+50 " "			5.42	362.78	
T.P.	4.93	368.07	5.06	363.14	N.E. B.P. Ohio + El Cajon.
20' East of West Line Ohio = W cb. on North.					
-50'			5.07	363.00	
-25'			5.22	362.85	
-2'			5.19	362.88	
S.L.			5.24	362.83	
+10'			5.31	362.76	
S. Gut.			5.57	362.50	
+10			5.49	362.58	
+25			5.26	362.81	
+40			5.18	362.89	
℄			5.07	363.00	
+15			5.07	363.00	
+30			5.02	363.05	
+45			5.01	363.06	

		368.07		
N Gut.			5.02	363.05
+10 on cb.			4.48	363.59
+10 "			4.94	363.13
N.L. on cb.			4.56	363.51
" on Gut.			4.93	363.14
+25 on cb.			4.27	363.80
+25 on Gut.			4.84	363.23
+50 " cb.			3.78	364.29
" " Gut.			4.47	363.60
30' East of W.L. Ohio = W 1/4 on North				
-50'			4.11	363.96
-25			4.39	363.68
N.L.			4.39	363.68
+10			4.60	363.47
Gut.			4.68	363.39
+10			4.68	363.39
+25			4.69	363.38
+40			4.69	363.38
℄			4.69	363.38
+15			4.82	363.25
+30			5.00	363.07

	368.07			
+45		5.39	362.68	
S. Gut.		5.61	362.46	
+10		5.30	362.77	
+18		5.03	363.04	
S.L.		4.98	363.09	
+25		4.94	363.13	
+50		4.75	363.32	
	L Ohio			
-50		4.61	363.46	
-25'		4.73	363.34	
S.L.		4.88	363.19	
+10		5.38	362.69	
Gut.		5.69	362.38	
+10		5.36	362.71	
+25		4.89	363.18	
+40		4.63	363.44	
L		4.51	363.56	
+15		4.52	363.55	
+30		4.42	363.65	
+45		4.50	363.57	
N. Gut.		4.49	363.58	

	368.07			
+10		4.41	363.66	
N.L.		4.20	363.87	
+25		4.13	363.94	
+50		3.91	364.16	
	10' East of L Ohio			
-50		3.82	364.25	
-25		4.17	363.90	
N.L.		4.27	363.80	
+10		4.36	363.71	
N Gut.		4.44	363.63	
+10		4.41	363.66	
+25'		4.43	363.64	
+40		4.42	363.65	
L		4.44	363.63	
+15		4.61	363.46	
+30		4.88	363.19	
+45		5.36	362.71	
S. Gut.		5.72	362.35	
+10		5.42	362.65	
S.L.		5.09	362.98	

368.07

SL. +25'		4.89	363.18
+50		4.88	363.19
20' East of ℄ = East ch. line on North			
-50		5.22	362.85
-25'		5.26	362.81
SL.		5.26	362.81
+10		5.46	362.61
Gut.		5.69	362.38
+10		5.34	362.73
+25		4.84	363.23
+40		4.64	363.43
℄		4.41	363.66
+15		4.42	363.65
+30		4.41	363.66
+45		4.44	363.63
N Gut.		4.50	363.57
+10 on ch.		4.02	364.05
" " Gut.		4.50	363.57
N.L. on ch.		4.10	363.97
N.L. " Gut.		4.47	363.60

368.07

+25 on ch.		3.86	364.21
" " Gut		4.38	363.69
+50' " ch.		3.42	364.65
" " Gut.		4.09	363.98
26' East of ℄ Ohio = East ch. line Ohio on South			
N Ch.		4.06	364.01
N. Gut.		4.57	363.50
+10		4.47	363.60
+25		4.41	363.66
+40		4.45	363.62
℄		4.41	363.66
+15		4.71	363.36
+30		4.89	363.18
+45		5.38	362.69
S Gut.		5.73	362.34
+10 on ch.		5.01	363.06
+10 " Gut.		5.60	362.47
SL. on ch.		4.99	363.08
" " Gut.		5.48	362.59
+25 on ch.		4.93	363.14
" " Gut		5.51	362.56

	368.07		
54+50 on cb.	4.90	363.17	
" " "Gut.	5.49	362.58	
36' East ℄			
S cb.	5.12	362.95	
Gut.	5.81	362.26	
+10	5.37	362.70	
+25	4.90	363.17	
+40	4.61	363.46	
℄	4.33	363.74	
+15	4.41	363.66	
+30	4.37	363.70	
+45	4.48	363.59	
N Gut.	4.73	363.34	
N cb.	4.14	363.93	
0+00 - East Line Ohio St.			
N cb.	4.12	363.95	
N Gut.	4.87	363.25	
+10	4.48	363.59	
+25	4.38	363.69	
+40	4.36	363.71	
℄	4.35	363.72	

	368.07		
+15	4.57	363.50	
+30	4.90	363.17	
+45	5.43	362.64	
S Gut.	5.84	362.23	
S cb.	5.11	362.96	
0+05			
S cb.	5.15	362.92	
S. Gut.	5.84	362.23	
+10	5.43	362.64	
+25	4.86	363.21	
+40	4.33	363.52	
℄	4.29	363.78	
+15	4.28	363.79	
+30	4.37	363.70	
+45	4.54	363.53	
N Gut.	4.77	363.30	
N. top cb.	4.11	363.90	
0+25			
N cb.	4.16	363.91	
Gut.	4.87	363.20	
+10	4.51	363.56	

		368.07		
+25			4.35	363.72
+40			4.37	363.70
℄			4.50	363.57
+15			4.66	363.41
+30			4.93	363.14
+45			5.46	362.61
S. Gut.			5.93	362.14
S. cb.			5.17	362.90
	0+50			
S cb.			5.26	362.81
S. Gut.			5.96	362.11
+10			5.51	362.56
+25			5.00	363.07
+40			4.77	363.30
℄			4.61	363.46
+15			4.48	363.59
+30			4.45	363.62
+45			4.59	363.48
N Gut.			4.95	363.12
N. top cb.			4.25	363.82

		368.07		
	1+00			
N cb.			4.46	363.61
Gut.			5.07	363.00
+10			4.72	363.35
+25			4.58	363.49
+40			4.68	363.39
℄			4.80	363.27
+15			4.97	363.10
+30			5.16	362.91
+45			5.71	362.36
S. Gut.			6.09	361.98
S. top cb.			5.40	362.67
	1+50			
S. cb.			5.58	362.49
S. Gut.			6.38	361.69
+10			5.80	362.27
+25			5.32	362.75
+40			5.14	362.93
℄			4.98	363.09
+15			4.86	363.21
+30			4.81	363.26

		368.07		
+45			4.86	363.21
N.Gut.			5.25	362.82
N cb.			4.63	363.44
T.P.	3.67	367.26	4.48	363.59
	2+00			
N cb.			3.96	363.30
Gut.			4.63	362.63
+10			4.22	363.04
+25			4.09	363.17
+40			4.20	363.06
℄			4.25	363.01
+15			4.47	362.79
+30			4.69	362.57
+45			5.13	362.13
S.Gut.			5.57	361.69
S. cb.			4.95	362.31
	2+50			
S. cb.			5.08	362.18
Gut.			5.69	361.57
+10'			5.25	362.01

		367.26		
+25			4.80	362.46
+40			4.66	362.60
℄			4.54	362.72
+15			4.47	362.79
+30			4.28	362.98
+45			4.34	362.92
N Gut.			4.76	362.50
N cb.			4.10	363.16
	2+85			
N cb.			4.22	363.04
N.Gut.			4.84	362.42
+10			4.60	362.66
+25			4.49	362.77
+40			4.47	362.79
℄			4.54	362.72
+15			4.74	362.52
+30			5.00	362.26
+45			5.42	361.84
S.Gut.			5.79	361.47
S top cb.			5.20	362.06

		367.26		
	2+93			
S cb.			5.23	362.03
Gut.			5.78	361.48
+10			5.47	361.79
+25			5.17	362.09
+40			4.85	362.41
℄			4.65	362.61
+15			4.61	362.65
+30			4.65	362.61
+45			4.75	362.51
N. Gut.			4.84	362.42
N cb.			4.27	362.99
	3+00.2 = W.L.		Illinois St.	
N. cb.			4.24	363.02
N Gut.			4.85	362.41
+10			4.85	362.41
+25			4.77	362.49
+40			4.77	362.49
℄			4.80	362.46
+15			5.05	362.21

	367.26		
+30		5.22	362.04
+45		5.50	361.76
S. Gut.		5.79	361.47
S. cb.		5.22	362.04
	4' East of W.L.		
S cb.		5.23	362.03
Gut.		5.79	361.47
+10		5.55	361.71
+25		5.29	361.97
+40		5.15	362.11
℄		4.92	362.34
+15		4.92	362.34
+30		4.90	362.36
+45		4.92	362.34
N Gut.		4.85	362.41
N. top cb.		4.24	363.02
	N cb Line Illinois St.		
-50' on cb		1.81	365.45
-50' " Gut.		2.43	364.83
-25' " cb		3.03	364.23
-25' on Gut.		3.63	363.63

	367.26		
-17' on cb.		3.43	363.83
-17' " Gut.		3.98	363.28
N Le. on cb.		4.25	363.01
N Le. on Gut.		4.64	362.62
+10' on cb.		4.37	362.89
+10' " Gut.		4.85	362.41
N Gut.		4.98	362.28
+10		5.00	362.26
+25		5.04	362.22
+40		5.05	362.21
℄		5.06	362.20
+15		5.21	362.05
+30		5.35	361.91
+45		5.59	361.67
S. Gut.		5.73	361.53
+10 on cb.		5.20	362.06
+10 " Gut.		5.81	361.45
SL. on cb.		5.22	362.04
" " Gut.		5.90	361.36
+25' on cb.		5.29	361.97
" " Gut.		6.08	361.18

	367.26		
+50' on cb.		5.30	361.96
" " Gut.		6.16	361.10
	N 1/4		
50'		5.48	361.78
-25'		5.43	361.83
SL.		5.26	362.00
+10		5.25	362.01
Gut.		5.18	362.08
+10		5.07	362.19
+25		4.81	362.45
+40		4.69	362.57
℄		4.52	362.74
+15'		4.61	362.65
+30'		4.58	362.68
+45		4.61	362.65
N. Gut.		4.77	362.49
+10		4.49	362.77
N.L.		4.27	362.99
+17		3.67	363.59
+25		3.32	363.94
+50		2.08	365.18

367.26

℄ Illinois Street.

-50'	1.85	365.41
-25'	3.06	364.20
-17'	3.45	363.81
N.L.	4.04	363.22
+10	4.33	362.93
N.Gut.	4.62	362.64
+10	4.39	362.87
+25	4.22	363.04
+40	4.22	363.04
℄	4.12	363.14
+15	4.33	362.93
+30	4.47	362.79
+45	4.66	362.60
S. Gut.	4.83	362.43
+10	4.88	362.38
S.L.	4.92	362.34
+25	5.12	362.14
+50	5.23	362.03

Extra Section 4' West ℄

367.26

-50	5.29	361.97
-25'	5.20	362.06
S.L.	5.01	362.25
+10	4.98	362.28
S Gut.	4.90	362.36
+10	4.74	362.52
+25	4.57	362.69
+40	4.42	362.84
℄	4.42	362.84
+15	4.29	362.97
+30	4.30	362.96
+45	4.45	362.81
N.Gut.	4.69	362.57
+10	4.38	362.88
N L.	4.14	363.12
+17	3.50	363.76
+25	3.10	364.16
+50	1.90	365.36

E ¼ Illinois Street.

-50'	1.87	365.39
-25'	3.07	364.19

	367.26		
-17'	3.42	363.84	
N.L.	4.03	363.23	
+10	4.29	362.97	
N. Gut.	4.54	362.72	
+10	4.27	362.99	
+25	4.08	373.18	
+40	4.13	363.13	
℄	3.98	363.28	
+15	4.26	363.00	
+30	4.37	362.89	
+45	4.54	362.72	
S Gut.	4.79	362.47	
+10	4.95	362.31	
SL.	5.02	362.24	
+25'	5.20	362.06	
+50'	5.30	361.96	
E cb.			
-50' on cb.	5.17	362.09	
-50' " Gut.	5.72	361.54	
-25' on cb	5.03	362.23	
-25' " Gut	5.64	361.62	

	367.26		
SL. on cb.	4.75	362.51	
" " " Gut.	5.44	361.82	
+10' on cb	4.75	362.51	
+10 " Gut.	5.29	361.97	
S. Gut.	5.17	362.09	
+10'	4.73	362.53	
+25	4.34	362.92	
+40	4.16	363.10	
℄	3.91	363.35	
+15	3.93	363.33	
+30	3.92	363.34	
+45'	4.12	363.14	
N. Gut.	4.36	362.90	
+10 on cb.	3.73	363.53	
" " Gut.	4.25	363.01	
N.L. " cb.	3.73	363.53	
" " Gut.	4.18	363.08	
+17 on cb.	2.52	364.74	
+17 " Gut.	2.88	364.38	
+25 on cb.	2.48	364.78	
+25 " " Gut.	3.15	364.11	

		367.26		
+50 on cb.			1.28	365.98
+50 " Gut.			1.95	365.31
	10' East E cb.			
N cb.			3.74	363.52
" Gut.			4.27	362.99
+10			3.96	363.30
+25			3.70	363.56
+38 = ℄	2'x2' M.H. Cover.		3.85	363.41
+40			3.84	363.42
℄			3.83	363.43
+15			4.02	363.24
+30			4.28	362.98
+45			4.71	362.55
S Gut.			5.23	362.03
S. cb.			4.75	362.51
-	0+00			
S. cb.			4.72	362.54
S. Gut.			5.22	362.04
+10			4.70	362.56
+25			4.23	363.03
+40			4.00	363.26

		367.26			
℄			3.81	363.45	
+15			3.77	363.49	
+30			3.63	363.63	
+45			3.88	363.38	
N Gut.			4.13	363.13	
N top cb.			3.73	363.53	
T.P. Chk.			4.75	362.51	N.E. B.P. El Cajon & Illinois
	10.36	372.88		362.52 = B.M.	
	0+10				
N. cb.			9.04	363.84	
N Gut.			9.52	363.36	
+10			9.23	363.65	
+25			9.05	363.83	
+40			9.20	363.68	
℄			9.33	363.55	
+15.			9.51	363.37	
+30			9.67	363.21	
+45			10.11	362.77	
S. Gut.			10.53	362.35	
S cb.			10.02	362.86	
	0+20				
S cb.			9.66	363.22	

		372.88		
S. Gut.			10.21	362.67
+10			9.81	363.07
+25			9.39	362.49
+40			9.23	363.65
℄			9.08	363.80
+15			9.00	363.88
+30			8.82	364.06
+45			8.89	363.99
N. Gut.			9.14	363.74
N cb.			8.66	364.22
	0+50			
N cb.			7.66	365.22
N. Gut.			8.14	364.74
+10			7.93	364.95
+25			7.78	365.10
+40			8.09	364.79
℄			8.19	364.69
+15			8.28	364.60
+30			8.43	364.45
+45			8.88	364.00
S. Gut.			9.33	363.55

		372.88		
S cb.			8.73	364.15
	1+00			
S cb.			7.17	365.71
S. Gut.			7.78	365.10
+10			7.30	365.58
+25			6.82	366.06
+40			6.63	366.25
℄			6.53	366.35
+15			6.43	366.45
+30			6.16	366.72
+45			6.24	366.64
N. Gut.			6.45	366.43
N cb.			5.90	366.98
	1+50			
N cb.			4.13	368.75
N. Gut.			4.74	368.14
+10			4.45	368.43
+25			4.40	368.48
+40			4.72	368.16
℄			4.83	368.05
+15			5.01	367.87

		372.88					372.88		
+30			5.26	367.62	+40			1.28	371.60
+45			5.72	367.16	℄			1.43	371.45
S. Gut.			6.16	366.72	+15			1.72	371.16
S. Cb.			5.65	367.23	+30			2.04	370.84
	2+00				+45			2.59	370.29
S. Cb.			4.09	368.79	S. Gut.			3.05	369.83
S. Gut.			4.63	368.25	S Cb.			2.51	370.37
+10			4.17	368.71	T.P.	6.91	378.90	0.89	371.99
+25			3.65	369.23		2+90			
+40			3.38	369.50	S Cb			7.24	371.66
℄			3.12	369.76	S. Gutter			7.84	371.06
+15			2.93	369.95	+10'			7.34	371.56
+30			2.80	370.08	+25'			6.78	372.12
+45			2.88	370.00	+40			6.44	372.46
N. Gut.			3.08	369.80	℄			6.08	372.82
N Cb.			2.42	370.46	+15'			5.92	372.98
	2+50				+30'			5.67	373.23
N Cb.			0.67	372.21	+45'			5.87	373.03
N Gut.			1.38	371.50	N. Gutter			6.07	372.83
+10			1.18	371.70	N. Cb.			5.32	373.58
+25			1.10	371.78					

		378.90		
	3+00 = W.L. Iowa St. 14' Cbs 13' 1/4s			
N. cb.			4.96	373.94
N. Gut.			5.75	373.15
+10			5.59	373.31
+25			5.41	373.49
+40			5.64	373.26
℄			5.80	373.10
+15			6.16	372.74
+30			6.52	372.38
+45			7.02	371.88
S. Gutter.			7.52	371.38
S. cb.			6.93	371.97
	4' East W.L.			
S cb.			6.90	372.00
S. Gut.			7.43	371.47
+10			6.91	371.99
+25			6.42	372.48
+40			6.04	372.86
℄			5.65	373.25
+15			5.52	373.38
+30			5.32	373.58

		378.90		
+45			5.50	373.40
N Gut.			5.64	373.26
N. Top Cb.			4.94	373.96
	W. cb. Line Iowa St			
-50' on cb.			3.42	375.48
" " Gut.			4.17	374.73
-25" on cb.			4.22	374.68
" " Gut.			4.94	373.96
N.L. " cb.			4.92	373.98
" " Gut.			5.40	373.50
+10' " cb.			4.95	373.95
" " Gut.			5.53	373.37
N Gut.			5.53	373.37
+10			5.24	373.66
+25'			5.11	373.79
+40			5.20	373.70
℄			5.36	373.54
+15			5.76	373.14
+30			6.21	372.69
+45			6.60	372.30

		378.90					378.90		
S Gut.			7.11	371.79	+45'			5.00	373.90
+10' on cb.			6.97	371.93	N Gut.			5.28	373.62
" " Gut.			7.40	371.50	+10			5.04	373.86
SL " cb.			6.97	371.93	N.L.			4.82	374.08
" " Gut.			7.54	371.36	+25'			4.32	374.58
+25' on cb.			7.86	371.04	+50			3.60	375.30
" " Gut.			8.43	370.47			E Iowa		
+50' " cb.			8.76	370.14	-50			3.27	375.63
" " Gut.			9.37	369.53	-25			3.99	374.91
	W 1/4				N.L.			4.38	374.52
-50'			8.70	370.20	+10			4.74	374.16
-25'			7.71	371.19	N Gut.			5.08	373.82
SL.			6.89	372.01	+10			4.79	374.11
+10			6.71	372.19	+25'			4.59	374.31
S. Gut.			6.50	372.40	+40'			4.63	374.27
+10'			6.22	372.68	L.			4.78	374.12
+25'			5.81	373.09	+15'			5.16	373.74
+40			5.38	373.62	+30			5.52	373.38
L			5.02	373.88	+45'			5.92	372.98
+15'			4.87	374.03	S. Gut.			6.18	372.72
+30'			4.90	374.00	+10			6.39	372.51

		378.90		
S.L.			6.56	372.34
+25			7.44	371.46
+50			8.39	370.51
	E ¼ Iowa St.			
-50			8.30	370.60
-25'			7.35	371.55
S.L.			6.45	372.45
+10			6.30	372.60
S. Gut.			6.07	372.83
+10'			5.86	373.04
+25'			5.44	373.46
+40			5.09	373.81
℄			4.71	374.19
+15			4.57	374.33
+30			4.54	374.36
+45			4.68	374.22
N. Gut.			4.93	373.97
+10'			4.70	374.20
N.L.			4.46	374.44
+25'			3.96	374.94
+50			3.22	375.68

		378.90		
E Cb.				
-50' on Cb.			2.46	376.44
-50' " Gut.			3.16	375.74
-25' " Cb.			3.22	375.68
" " Gut.			3.93	374.97
N.L. on Cb.			3.92	374.98
" " Gut.			4.65	374.25
+10" Cb.			3.92	374.98
" " Gut.			4.67	374.23
N Gut.			4.80	374.10
+10'			4.58	374.32
+25'			4.44	374.46
+40'			4.53	374.37
℄			4.65	374.25
+15			5.05	373.85
+30			5.38	373.52
+45			5.87	373.03
S. Gut.			6.26	372.64
+10 on Cb.			5.91	372.99
" " Gut.			6.47	372.43

	378.90		
SL. on cb.	5.92	372.98	
" " Gut.	6.58	372.32	
+25' on cb.	6.92	371.98	
" " Gut.	7.50	371.40	
+50 " cb.	7.84	371.06	
" " Gut.	8.45	370.45	
Chk. SE, BP. Iowa + El Cajon	5.97	372.93	Page 35
10' East E. cb. Line			
S cb.	5.88	373.02	
S. Gut.	6.33	372.57	
+10	5.87	373.03	
+25'	5.25	373.65	
+40	5.00	373.90	
℄	4.69	374.21	
+15'	4.46	374.44	
+30'	4.35	374.55	
+45'	4.50	374.40	
N Gut.	4.70	374.20	
N cb.	3.93	374.97	
0+00 = ℄ Line Iowa St.			

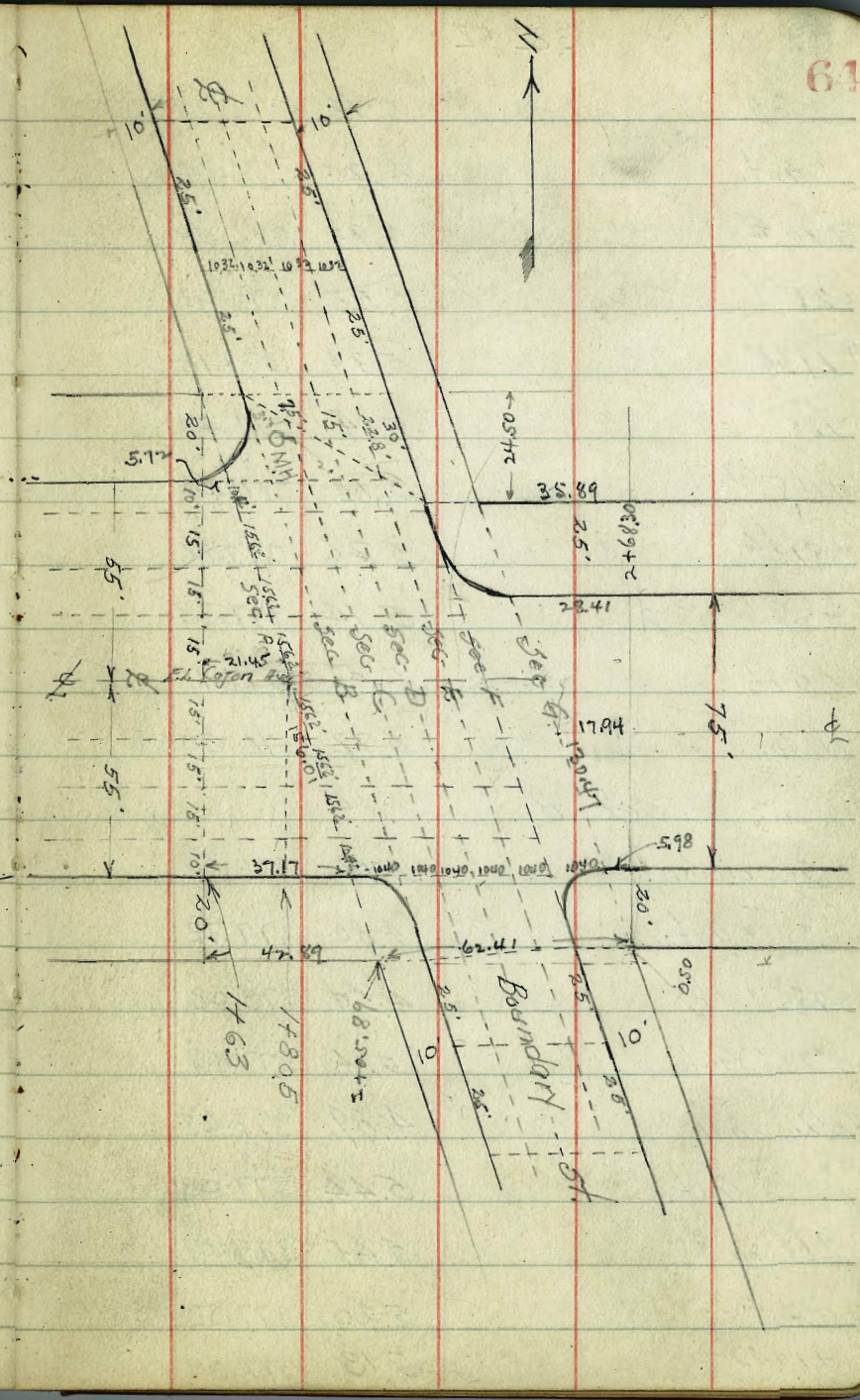
	378.90		
N cb.	3.99	374.91	
N Gut.	4.67	374.23	
+10	4.46	374.44	
+25'	4.28	374.62	
+40	4.43	374.47	
℄	4.73	374.17	
+15'	4.96	373.94	
+30	5.23	373.67	
+45'	5.85	373.05	
S. Gutt	6.32	372.58	
S cb.	5.90	373.00	
0+15'			
S cb.	5.61	373.29	
S Gut.	6.08	372.82	
+10	5.70	373.20	
+25'	5.13	373.77	
+40'	4.79	374.11	
℄	4.56	374.34	
+15'	4.30	374.60	
+30	4.08	374.82	

		378.90						378.90			
+45			4.23	374.67		℄			3.03	375.87	
N Gut			4.45	373.45	374.45	+15'			2.87	376.03	
N Cb.			3.71	375.19		+30			2.77	376.13	
	0+50					+45			2.78	376.12	
N. Cb.			3.11	375.79		N Gut.			3.10	375.80	
N. Gut.			3.88	375.02		N Cb.			2.32	376.58	
+10			3.63	375.27		T.P.	6.63	383.15	2.38	376.52	
+25'			3.59	375.31			1+50				
+40			3.75	375.15		N Cb.			5.72	377.43	
℄			3.93	374.97		Gut.			6.53	376.62	
+15'			4.20	374.70		+12			6.15	377.00	
+30			4.54	374.36		+25			6.18	376.97	
+45			5.05	373.85		+40			6.20	376.95	
S. Gut.			5.41	373.49		℄			6.26	376.89	
S Cb.			4.94	373.96		+15			6.47	376.68	
	1+00					+30			6.81	376.34	
S Cb.			3.95	374.95		+45			7.34	375.81	
Gut.			4.50	374.40		S. Gut.			7.79	375.36	
+10			4.07	374.83		Cb.			7.23	375.92	
+25'			3.58	375.32		T.P. + Chk.	4.61		5.23	377.92	N.E. Bdry of El Cajon
+40			3.31	375.59				382.52		377.91	= B.M.

382.52

1+63

N. Cb.		4.76	377.76
N. Gut.		5.49	377.03
+10		5.22	377.30
+25		5.34	377.18
+40		5.35	377.17
℄		5.41	377.11
+15		5.61	366.91
+30		6.01	376.51
+45		6.50	376.02
S. Gut.		6.97	375.55
S. Cb.		6.35	376.17
	1+80.5		
S. Cb.		6.03	376.49
" Gut.		6.63	375.89
+10		6.16	376.36
+25		5.73	376.79
+40		5.41	377.11
℄		5.41	377.11
	Sec. A		



	382.52 Sec. A		
S. cb.	5.73	376.79	
" Gut.	6.28	376.24	
+10.42	5.93	376.59	
+26.04	5.55	376.97	
+41.66	5.34	377.18	
L.	5.04	377.48	
+15.62	5.12	377.40	
+31.24	5.26	377.26	
+46.86	5.14	377.38	
N Gut.	5.41	377.11	
N cb.	5.72 ?	376.80 ?	?
Sec B			
-50' on cb.	4.19	378.33	
" " Gut.	4.80	377.72	
-25' " cb.	4.50	378.02	
" " Gut.	5.04	377.48	
NL. on cb.	4.89	377.63	
" " Gut.	5.44	377.08	
+13 on "	5.45	377.07	
Gut.	5.20	377.32	
+10.42	5.13	377.39	

	382.52		
+26.04	5.15	377.37	
+41.66	5.12	377.40	
L.	5.12	377.40	
+15.62	5.23	377.29	
+31.24	5.41	377.11	
+46.86	5.68	376.84	
S. Gut.	6.04	376.48	
+10.42 on cb.	5.55	376.97	
" " Gut.	6.05	376.47	
S.L. " cb.	5.56	376.96	
" " Gut.	6.10	376.42	
+25 " cb.	6.19	376.33	
" " Gut.	6.77	375.75	
+50 " cb.	6.74	375.78	
" " Gut.	7.31	375.21	
Sec. C			
-50'	6.91	375.61	
-25	6.36	376.16	
SL.	5.76	376.76	
+10.42	5.67	376.85	
S Gut.	5.58	376.94	

		382.52					382.52			
+10.42			5.43	377.09	+41.66			4.90	377.62	
+26.04			5.24	377.28	℄			4.89	377.63	
+41.66			5.10	377.42	+15.62			5.09	377.43	
℄			4.97	377.55	+31.24			5.25	377.27	
+15.62			4.97	377.55	+46.86			5.28	377.24	
+31.24			5.03	377.49	S. cb.			5.35	377.17	
+46.86			4.96	377.56	+10.42			5.46	377.06	
N cb.			5.01	377.51	S.L.			5.51	377.01	
Cut +10 on M.H. 2' West Sec C			5.05	377.47	+25'			6.12	376.40	
cb +13.34			4.99	377.53	+50'			6.64	375.88	
N.L. Prod.			4.99	377.53			Sec. E			
+25'			4.84	377.68	-50'			6.75	375.77	
+50			4.71	377.81	-25'			6.24	376.28	
	Sec D				S.L.			5.57	376.95	
-50'			4.61	377.91	+10.42			5.50	377.02	
-25			4.76	377.76	S. cb.			5.42	377.10	
N.L. Produced			4.87	377.65	+10.42			5.29	377.23	
+15			4.84	377.68	+26.04			5.24	377.28	
cb.	"		4.91	377.61	+41.66			5.17	377.45	
+10.42			4.88	377.64	℄			5.01	377.51	
+26.04			4.95	377.57	+15.62			5.06	377.46	

	382.52	
+31.24	5.07	377.45
+46.86	4.94	377.58
+55.32	4.90	377.62
N.L. Produced	4.88	377.64
+ 25	4.77	377.75
+50	4.59	377.93
Sec F		
-50' on cb.	4.11	378.41
-50' " Gut.	4.68	377.84
-25" cb.	4.23	378.29
-" " Gut.	4.88	377.64
N.L. Produced on cb.	4.42	378.10
" " "Gut.	5.01	377.51
N cb. " " cb.	4.50	378.02
" " " " Gut.	5.03	377.49
N.L. on East. on cb.	4.58	377.94
" " " "Gut.	5.12	377.40
N.L. Produced from West +26.4 on cb.	4.84	377.68
" " " " " " "Gut.	5.40	377.12
N. cb. on East. Produced	5.49	377.03

	382.52	
L-15.62	5.43	377.09
L from West. Produced	5.25	377.27
+15.62	5.29	377.23
+31.24	5.37	377.15
+46.86	5.53	376.99
S. cb. Produced from west.	5.79	376.73
+10.42 on cb.	5.61	376.91
" " " Gut.	5.94	376.58
SL. on cb.	5.53	376.99
" "Gut.	5.94	376.58
" +25' on cb.	6.16	376.36
" " "Gut.	6.53	375.99
" +50' on cb.	6.73	375.79
" " "Gut.	7.09	375.43
Sec G.		
S cb.	5.65	376.87
"Gut.	6.15	376.37
+10.42	5.89	376.63
+16.4	5.61	376.91
+23.44	5.57	376.95
L on East.	5.49	377.03

382.52

℄ +13.02	5.33	377.19
+28.64	5.47	377.05
N Cb. on Gut.	5.66	376.86
N Cb. on Top.	5.00	377.52

0+00 = Ft. Δ to El Cajon S.E. Cor. Eddy St.

N. Top. Cb.	4.99	377.53
Gutter.	5.67	376.85
+10	5.43	377.09
+25	5.44	377.08
℄	5.50	377.02
+12.5	5.61	376.91
+27.5	6.08	376.44
S. Gut.	6.31	376.21
S. Cb.	5.66	376.86

0+08

S. Cb.	5.83	376.69
" Gut.	6.45	376.07
+10	6.23	376.29
+25	5.68	376.84
℄	5.60	376.92
+12.5	5.49	377.03

382.52

+27.5	5.51	377.01
N. Gut.	5.71	376.81
N Cb.	5.03	377.49

0+50

N Cb.	5.34	377.28
" Gut.	5.98	376.54
+10	5.80	376.72
+25	5.76	376.76
℄	5.88	376.64
+12.5	6.16	376.36
+27.5	6.60	375.92
S. Gutter.	6.90	375.62
S Top Cb.	6.25	376.27

0+85

S Top Cb.	6.55	375.97
" Gut.	7.21	375.31
+10	7.00	375.52
+25	6.43	376.09
℄	6.18	376.34
+12.5	6.07	376.45
+27.5	6.08	376.44

382.52

N Gut.	6.24	376.28	
N. Top Cb.	5.63	376.89	
0+92			
N. Top Cb.	5.56	376.96	
" Gut.	6.21	376.31	
+10	6.13	376.39	
+25	6.09	376.43	
℄	6.06	376.46	
+12.5	6.39	376.13	
+27.5	7.07	375.45	
S. Gutter.	7.30	375.22	
S. top Cb.	6.62	375.90	12' cbs. 9' 1/4 s
0+98.3 = W.L. 32nd Street on North			
S. Top Cb.	6.67	375.85	
" Gut.	7.31	375.21	
+10	7.08	375.44	
+25	6.51	376.01	
℄	6.15	376.37	
+12.5	6.25	376.27	
+27.5	6.20	376.32	
N. Gut.	6.23	376.29	

382.52

N. Top Cb.	5.50	377.02
1+10.3 = W Cb. 32nd on North.		
-50' on Cb.	5.45	377.07
" " Gut.	6.03	376.49
-25 on Cb.	5.65	376.87
" " Gut.	6.17	376.35
N.L. on Cb.	5.82	376.70
" " Gut.	6.32	376.20
+10 on Cb.	5.91	376.61
" " Gut.	6.39	376.13 ✓
N Gut.	6.37	376.15
+10	6.37	376.15
+25	6.35	376.17
℄	6.31	376.21 ✓
+12.5	6.63	375.89
+27.5	7.24	375.28
S. Gutter.	7.49	375.03 ✓
" Top Cb.	6.90	375.62
1+19.3 = 1/4		
S. Top Cb.	6.98	375.54
" Gut.	7.60	374.92

382.52

S.Gut.+10'	7.37	375.15
+25'	6.70	375.82
℄	6.37	376.15
+12.5	6.43	376.09
+27.5	6.46	376.06
N. Gutter	6.52	376.00
+15	6.30	376.22
NL -3'	6.11	376.41
NL.	6.06	376.46
+25	6.00	376.52
+50	5.82	376.70
1+283 ℄ 32nd		
-50'	5.70	376.82
-25'	5.90	376.62
NL	5.82	376.70
+3	5.95	376.57
+10	6.20	376.32
N. Gut.	6.62	375.90
+10'	6.53	375.99
+25'	6.48	376.04
℄	6.53	375.99

382.52

+12.5	6.78	375.74
+27.5	7.42	375.10
S.Gut.	7.70	374.82
S. top Cb.	7.02	375.50
1+37.3 = ℄ ¼		
S. Top Cb.	7.03	375.49
" Gut.	7.70	374.82
+10'	7.46	375.06
+25'	6.88	375.64
℄	6.58	375.94
+12.5	6.52	376.00
+27.5	6.54	375.98
N. Gut.	6.67	375.85
+15	6.41	376.11
NL.	6.19	376.33
+25'	6.13	376.39
+50'	5.98	376.54
1+67 = E Cb.		
-50 on Cb.	6.10	376.42
-50' on Gut	6.37	376.15
-25' on Gut	6.52	376.00

382.52

-25' on cb.	6.17	376.35
N.L. on cb.	6.25	376.27
" " Gut.	6.67	375.85
+10' on Gut.	6.70	375.82
+10' " cb.	6.38	376.14
N. Gutter.	6.70	375.82
+10	6.61	375.91
+25'	6.62	375.90
℄	6.57	375.95
+12.5'	6.91	375.61
+27.5	7.51	375.01
S. Gut.	7.17	374.75
S. Top cb.	7.13	375.39
1+58.3 = E.L. 32ND on North		
S. Top cb.	7.28	375.24
S. Gutter.	7.93	374.59
+10	7.72	374.80
+25'	7.05	375.47
℄	6.68	375.84
+12.5	6.67	375.85
+27.5	6.73	375.79

382.52

N. Gutter.	6.90	375.62
N Top cb.	6.24	376.28
1+75		
N. Top cb.	6.64	375.88
N. Gutter.	7.07	375.45
+10'	6.98	375.54
+25'	6.83	375.69
℄	6.99	375.53
+12.5'	7.24	375.28
+27.5	7.92	374.60
S. Gutter.	8.09	374.43
S. Top cb.	7.47	375.05
2+00		
S. Top cb.	7.73	374.79
S. Gutter.	8.40	374.12
+10'	8.17	374.35
+25	7.62	374.90
℄	7.25	375.27
+12.5'	7.17	375.35
+27.5	7.18	375.34
N. Gutter.	7.41	375.11

382.52

N Top Cb.	6.95	375.57	
2+50			
N Top Cb.	7.37	375.15	
N. Gutter.	7.89	374.63	
+10	7.72	374.80	
+25'	7.70	374.82	
℄	7.84	374.68	
+12.5	8.15	374.37	
+27.5	8.66	373.86	
S. Gutter.	8.87	373.65	
S. Top Cb.	8.19	374.33	
3+00			
S. Top Cb.	8.68	373.84	
S. Gutter.	9.33	373.19	
+10	9.18	373.34	
+25'	8.70	373.82	
℄	8.48	374.04	
+12.5	8.15	374.37	
+27.5	8.35	374.17	
N Gut.	8.45	374.07	
N. Top Cb.	7.76	374.76	

382.52

3+50			
N Cb.	8.37	374.15	
" Gut.	9.00	373.52	
+10	8.88	373.64	
+25'	8.79	373.73	
℄	8.95	373.57	
+12.5	9.17	373.35	
+27.5	9.65	372.87	
S. Gutter.	9.78	372.74	
S. Cb. to Drive Way	9.67	372.85	
3+75			
S Top Cb	9.42	373.10	
Gut.	10.05	372.47	
+10	9.87	372.65	
+25	9.45	373.07	
℄	9.24	373.28	
+12.5	9.00	373.52	
+27.5	9.21	373.31	
N Gut.	9.30	373.22	
N Top Cb.	8.65	373.87	

		382.52			(long shot) El Cajon + N.W. Bancroft		377.87		
T.R.			8.95	373.57		Gut + 15' on ob.		4.31	373.56
	4.27	377.87		373.60	= B.M.	" " " Gut.		4.93	372.94
	4+05 - N.W. Bancroft on North.					N.W. Gut. in Drive Way		4.80	373.07
N Top ob.			4.30	373.57		+25 " " " "		4.68	373.19
" Gutter.			4.97	372.90		+50' on ob.		4.00	373.87
+10			4.88	372.99		" " Gut.		4.52	373.35
+25'			4.67	373.20		4+26 w 1/4			
℄			4.67	373.20		-50'		4.29	373.58
+12.5			5.06	372.81		-25'		4.47	373.40
+27.5'			5.45	372.42		N℄		4.67	373.20
S. Gutter			5.66	372.21		+10		4.88	372.99
S. ob. in Drive Way			5.51	372.30		N. Gut.		5.15	372.72
	4+17 w ob					+10		5.09	372.78
S ob.			5.25'	372.62		+27.5		4.96	372.91
S. Gut.			5.87	372.00		+35.5		4.89	372.98
+10'			5.65	372.22		℄		4.88	372.99
+25'			5.20	372.67		+2		4.99	372.88
℄			4.82	373.05		+12.5'		5.32	372.55
+12.5			4.82	373.05		+27.5		5.78	372.09
+27.5			5.02	372.85		S. Gut.		6.03	371.84
N Gut.			5.11	372.76		S. top ob.		5.41	372.46

37787

	4+35 ℄		
S cb.	5.53	372.34	
S. Gut.	6.16	371.71	
+10'	5.87	372.00	
+25'	5.42	372.45	
℄	5.02	372.85	
+12.5	5.04	372.83	
+19.5=℄ Sewer. M.H. on Rim	5.26	372.61	
+27.5	5.30	372.57	
N Gut.	5.39	372.48	
+15'	5.01	372.86	
N.L.	4.64	373.23	
+25	4.60	373.27	
+50	4.37	373.50	
	4+44 E 1/4		
-50'	4.55	373.32	
-25'	4.78	373.09	
N.L.	4.86	373.01	
+10	5.12	372.75	
N Gut.	5.58	372.29	
+10'	5.44	372.43	

37787

+25	5.22	372.65
℄	5.20	372.67
+12.5	5.53	372.34
+27.5	5.98	371.89
S. Gutter	6.26	371.61
S. Top cb	5.62	372.25
4+53 E cb		
S. Top. Drive Way = Gutter.	6.28	371.59
+10	6.08	371.79
+25	5.69	372.18
℄	5.29	372.58
+12.5	5.29	372.58
+27.5	5.56	372.31
N. Gut.	5.73	372.14
+15' on cb.	4.89	372.98
" " Gut.	5.46	372.41
N.L. on cb.	4.87	373.00
" " Gut.	5.37	372.50
+25' on cb.	4.70	373.17
" " Gutter.	5.22	372.65

377.87

N.L. +50 on Gutter. ↑	4.42	373.45
" " ℄. ↓	4.88	372.99
4+65 = East line Bancroft on North		
N ℄.	5.24	372.63
Gut.	5.88	371.99
+10'	5.69	372.18
+25'	5.43	372.44
℄	5.37	372.50
+12.5'	5.74	372.13
+27.5'	6.26	371.61
S. Gut.	6.46	371.41
" top ℄.	5.85	372.02
4+75		
S. top ℄.	6.00	371.87
S. Gutter.	6.63	371.24
+10'	6.37	371.50
+25'	5.79	372.08
℄	5.43	372.44
+12.5'	5.61	372.26
+25'	5.80	372.07

377.87

N. Gut.	6.08	371.79
N. Top ℄.	5.41	372.46
5+00		
N. Top ℄.	5.65	372.22
N. Gut.	6.26	371.61
+10	6.19	371.68
+25'	5.93	371.94
℄	5.95	371.92
+12.5	6.17	371.70
+27.5	6.54	371.33
S. Gutter.	6.81	371.06
S. Top ℄.	6.25	371.62
5+35		
S. Top ℄.	6.53	371.34
S. Gutter.	7.15	370.72
+10'	6.87	371.00
+25'	6.44	371.43
℄	6.15	371.72
+12.5	6.21	371.66
+27.5	6.47	371.40
N. Gut. in Drive Way	6.63	371.24

377.87

5+52 = West end Catch Basin on South.

Gut. in Curve Rev.	6.93	370.94
+10	6.67	371.20
+25'	6.48	371.39
℄	6.36	371.51
+12.5	6.57	371.30
+27.5	7.05	370.82
S. Gut. at W end Inlet	7.49	370.38
S. Cb. Built above regular cb.	6.47	371.40

5+65.5 = ℄ 23' Inlet on North.

S Cb.	6.47	371.40
S Gut. on Grating of Inlet.	7.74	370.13
+2.5 " "(North edge)	7.67	370.20
+10'	7.19	370.68
+25'	6.66	371.21
℄	6.44	371.43
+12.5	6.58	371.29
+27.5	6.76	371.11
+35 on South edge Grating.	7.02	370.85
N Gut.	7.00	370.87
N Cb. = Built above regular Cb.	5.76	372.11

377.87

5+54 = West end Cb Inlet on North.

N. on Cb. above regular cb.	5.75	372.12
" " Gut.	6.96	370.91

5+77.6 = east end Inlet on South.

N Cb. Built above regular cb.	5.76	372.11
Gut.	6.75	371.12
+10	6.63	371.24
+25	6.50	371.37
℄	6.38	371.49
+12.5	6.62	371.25
+27.5	7.00	370.87
S. Gut at east end Inlet	7.56	370.31
" " on Cb. above regular Cb.	6.47	371.40

5+88

S Cb. on regular Cb.	6.73	371.14
" Gut.	7.32	370.55
+10	6.99	370.88
+25'	6.55	371.32
℄	6.30	371.57
+12.5	6.40	371.47
+27.5	6.51	371.36

	377.87		
N. Gut.		6.65	371.22
N. Top Cb. on regular cb.		5.89	371.98
6+00			
N Cb.		5.89	371.98
" Gutter.		6.52	371.35
+10		6.36	371.51
+25'		6.25	371.62
℄		6.25	371.62
+12.5		6.44	371.43
+27.5		6.86	371.01
S. Gut. in Drive Way.		7.23	370.64
6+50			
S. Cb.		6.15	371.72
" Gut.		6.75	371.12
+10'		6.44	371.43
+25		6.02	371.85
℄		5.80	372.07
+12.5		5.79	372.08
+27.5		6.01	371.86
N. Gutter		6.10	371.77
N. Top. Cb.		5.53	372.34

	377.87		
T.P.	4.44	377.09	5.22	372.65
7+84=B.C. cb. Return 33rd Pl. on North.				
on cb.			4.40	372.69
" Gut.			5.00	372.09
6+89 = N.L. 33rd Pl. on North.				
N cb.			4.39	372.70
N. Gut. N. cb. Produced			4.91	372.18
+10			4.81	372.28
+25			4.66	372.43
℄			4.67	372.42
+12.5			4.89	372.20
+27.5			5.35'	371.74
S. Gut.			5.60	371.49
S. Cb.			5.00	372.09
6+94 = N. Cb. Line 33rd Pl. on North.				
N Gut.			4.89	372.20
+15 on Cb.			4.11	372.98
" "Gut.			4.60	372.49
N.L. on cb.			3.80	373.29
" "Gut.			4.21	372.88

377.09

N.L. +25' on cb.	3.44	373.65
" " "Gutter.	3.83	373.26
" +50 " cb.	3.07	374.02
" " "Gutter.	3.50	373.59
7+07 = ℄ 33rd Pl.		
-50'	3.06	374.03
-25'	3.39	373.70
N.L.	3.83	373.26
+10'	4.23	372.86
+22	4.72	372.37
N Gut.	4.77	372.32
+10	4.73	372.36
+16 and 3' West. = MH	4.72	372.37
+25	4.51	372.58
℄	4.58	372.51
+12.5	4.77	372.32
+27.5	5.20	371.89
S. Gutter.	5.48	371.61
S. Top cb.	4.82	372.27
7+20 = East cb. Line 33rd Pl.		

377.09

N. Gut.	4.72	372.37
+15' on cb.	3.78	373.31
" "Gut.	4.27	372.82
N.L. on cb.	3.50	373.59
" "Gut.	3.89	373.20
N.L. +25' on cb.	3.20	373.89
" " "Gut.	3.55	373.54
" +50" cb.	2.82	374.27
" " "Gut.	3.18	373.91
7+25 E.L. 33rd P.L.		
N cb. Return	4.10	372.99
N Gut. on N. cb. Produced	4.68	372.41
" " +10	4.50	372.59
+25	4.28	372.81
℄	4.40	372.69
+12.5'	4.61	372.48
+27.5	5.03	372.06
S. Gut.	5.29	371.80
S. Top cb.	4.68	372.41

377.09

7+31 – E.C. cb. Return on North.

on cb.	4.00	373.09
" Gutter.	4.62	372.47
7+50		
S. cb.	4.46	372.63
S. Gut.	5.09	372.00
+10	4.81	372.28
+25'	4.37	372.72
℄	4.24	372.85
+12.5	4.09	373.00
+27.5	4.32	372.77
N Gut.	4.50	372.59
" cb.	3.83	373.26
8+00		
N Gut. in Drive Way	4.13	372.96
+10'	3.82	373.27
+25'	3.72	373.37
℄	3.85	373.24
+12.5	3.96	373.13
+27.5	4.34	372.75

377.09

S. Gut.	4.62	372.47
S. Top cb.	4.01	373.08
8+50		
S cb.	3.68	373.41
" Gut.	4.30	372.79
+10'	3.93	373.16
+25'	3.67	373.42
℄	3.47	373.62
+12.5	3.34	373.75
+27.5	3.48	373.61
N Gut.	3.65	373.44
N. Top cb.	3.09	374.00
T.P. 5.48 379.17	3.40	373.69
cbk. Sur. B.P. 33rd + El Capan	4.82	374.35 ✓

Plotted – C.S.K

$\frac{41.3}{10.32}$

N.E. 368.35 = H
N.E. 375.03 = OR.
N.E. 374.97 = Idaho
N.E. 368.51 Kan

36.4 from E.T. Line East Gage Rail

800
434
36.60
472
31.88

Fred Pratt - Flagman - 11-9-33

8252
34
7.92

368.17
.481
368.98
363.14
5.82

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.