

READING NOTES. MORENA ROAD.

SEE NOTES. CANYON ROAD.

CUTB S. side witherby st. P. 8.

98

360

FIELD

F. B. 98

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

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

Return to City Engineers Office
City Hall, San Diego, Cal.
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						
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

89
2.41
6.5
6
2.4
3.6

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

STATION	CUT or FILL	GRADE
0+0	-2.40	82.63
+50	-3.60	86.76
+60	-2.20	87.59
+71	-0.40	88.50
1+00	+0.80	88.68
+50	+2.80	89.00
2+00	+2.30	88.80
+50	+2.10	88.60
3+00	+0.80	88.40
+50	+0.10	88.20
4+00	-1.50	88.00 ✓
+50	-3.50	88.00 ✓
5+00	-3.80	88.00 ✓
+50	-3.40	88.00 ✓
6+00	-3.00	88.00 ✓
+50	-4.40	88.00 ✓
7+00	-3.70	88.00 ✓
+50	-3.30	88.00 ✓
8+00	-4.10	88.00 ✓

Break

Break

Break

Grading Notes. Moena-Eneka¹
Road.

Jan 1899.

B.W. 91.66 Spike in Cor post,

91.66						
14.00						
93.09	93.09	93.09	93.09	93.09	93.09	93.09
89.00	88.80	88.60	88.40	88.20	88.00	
4.09	4.29	4.49	4.69	4.89	5.09	

88.00 on stake

STATION	CUT or FILL	GRADE
+50	-2.70	88.24
9+00	+0.40	88.47
+50	+2.90	88.71
10+00	+0.30	88.95
+50	+0.20	89.18
11+00	+2.10	89.42
+50	+0.00	89.66
+75	+4.00	89.78
12+00	+2.80	89.90
+50	+2.10	90.13
13+00	+1.40	90.37
+50	+1.60	90.61
14+00	-0.70	90.84
+50	-1.40	91.08
15+00	-2.50	91.32
+50	-3.10	91.55
16+00	-5.80	91.79
+50	-2.20	92.03
17+00	-0.10	92.27

Grading notes Merrimack ² Road

88.00 on stake

93.35	93.35	93.35	93.35	93.35	93.35	93.35
88.24	88.47	88.71	88.95	89.18	89.42	
5.11	4.88	4.64	4.40	4.17	3.93	

93.35	93.35	93.35	93.35	93.35	93.35	93.35
89.66	89.78	89.90	90.13	90.37	90.61	90.84
3.69	3.57	3.45	3.22	2.98	2.74	2.51

93.35
3.47

89.85 B.M. opposite S11+00 stake driven near post

89.85	96.43	96.43	96.43	96.43	96.43	96.43
6.58	89.66	89.90	90.13	90.37	90.61	90.84
96.43 H.I.	6.77	6.53	6.30	6.06	5.82	5.59
7.91						

96.43	96.43	96.43	97.28	97.28	97.28
91.08	91.32	91.55	91.79	92.03	92.27
5.35	5.11	4.88	5.49	5.25	5.01

89.85
7.85

97.28 H.I.

89.42

7.86

STATION	CUT or FILL	GRADE
+50	-0.10	92.50
18+00	-0.50	92.74
+25	-2.60	92.86
+50	-2.80	92.98
+75	-4.50	93.14
19+00	-2.60	93.21
+50	-0.30	93.45
20+00	+1.20	93.69
+50	+2.10	93.92
21+00	+2.20	94.16
+50	+3.80	94.40
22+00	+3.00	94.64
+70	-2.20	94.73
+40	-3.40	94.83
+65	+1.30	94.95
23+00	+2.00	95.11
+50	+5.30	95.35
24+00	+2.40	95.58
+50	+0.60	95.82

558
534
—
.24

Shading Notes. Mena - Eureka
Road.

51
43
—
8

5.3
4.5
—
.8

3

96.06					
4.63					
100.69	100.69	100.69	100.69	100.69	100.69
95.82	95.88	95.85	95.11	94.64	
4.87	5.11	5.34	5.58	6.05	
			.24		
			5.82		
97.28	96.43	92.50	100.68	100.68	
92.50	92.74	8.18	93.74	92.98	
4.78		100.684	7.94	7.70	
100.68	100.68	100.68	100.68	100.68	100.68
93.21	93.45	93.69	93.82	94.16	94.40
7.47	7.23	6.99	6.76	6.52	6.28
100.68					
94.64					
6.04					

STATION	CUT or FILL	GRADE
25+00	-3.20	96.06
+50	+1.90	96.29
26+00	+3.20	96.53
+50	+2.20	96.77
+75	+0.80	96.89
27+00	-0.30	97.00
+50	-1.50	97.00 ✓
28+00	-2.00	97.00 ✓
+25	-1.70	97.00
+50	+0.40	97.00
29+00	+1.50	95.59
+50	+2.40	94.18
30+00	+1.50	92.76
+50	+0.50	91.35
31+00	+0.10	89.94
+50	+0.40	88.53
32+00	+0.70	87.12
+50	+0.40	85.71
+75	+0.50	85.00

62
48
14

Grading Notes. Mineral Eureka 4

wad

90.24	90.24	90.24	90.24	90.24				
85.71	87.12	88.53	89.94					
4.53	3.12	1.71	0.30					
89.94								
10.43								
100.37	100.37	100.37	100.37	100.37	100.37	100.37	100.37	100.37
91.35	92.76	94.18	95.59	97.00	96.77	96.53	96.29	
9.02	7.61	6.19	4.78	3.37	3.60	3.84	4.08	
100.37								
96.06								
4.31								

Break-

Break

STATION CNT
or FILL GRADE

33+00 +0.10 84.29

+25 -2.90 83.59

+50 -3.00 82.88

34+00 -0.50 81.47

+25 +0.60 80.76

+50 +0.90 80.06

35+00 0.0 78.65

+50 -0.60 77.23

36+00 -4.20 75.82

+50 -2.70 74.41

37+00 +0.50 73.00

+50 -1.20 72.43 -0.60

38+00 -3.00 71.86 -2.20

+50 -2.60 71.29 -2.00

39+00 -2.40 70.71 -1.00

+50 -1.90 70.14 -0.90

40+00 -0.60 69.57 -0.30

+50 +1.10 69.00

41+00 +1.00 68.43

Shading Notes, Mena - Eureka 5
road

B.m. Cev post

72.82 plus line on post, 72.82

73.02	73.02	73.02	73.02	73.02	73.02	73.02
72.43	71.86	71.29	70.71	70.14	69.57	69.00
.59	1.16	1.73	2.31	2.88	3.45	4.02
1.20	3.4	3.70	3.13	3.8	3.70	3.15
.6	1.2	1.7	2.3	2.9	4	.7
	2.2	2.0	1.0	.9	.30	

72.82 B.m.

77.56	77.56	77.56	77.56	77.56	77.56	77.56
72.43	71.86	71.29	70.71	70.14	69.57	69.00
4.56	5.13	5.70	6.27	6.85	7.42	7.99
						8.56

77.56 72.82 B.m.

68.43	80.56	80.56	80.56	80.56	80.56	80.56
9.13	73.00	74.41	75.82	77.23	78.65	80.06
	7.56	6.13	4.74	3.33	1.91	.50

80.06 stake

90.24	90.24	90.24	90.24	90.24	90.24	90.24
81.47	82.88	84.29				
8.77	7.36	5.96				

Break

STATION	CUT or FILL	GRADE
41+50	+2.20	67.86
42+00	+0.10	67.29
42+50	+0.70	66.71
43+00	+0.10	66.14
43+50	+0.10	65.57
44+00	+1.60	65.00
44+50	+0.90	64.43
45+00	-0.40	63.86
45+50	-0.70	63.29
46+00	-0.30	62.71
46+50	-2.90	62.14
47+00	-2.10	61.57
47+50	-2.80	61.00
48+00	-6.80	61.00
48+50	-6.90	61.00
49+00	-4.90	61.00
49+50	-2.30	61.00
50+00	-0.20	61.00
50+50	+1.20	61.00
51+00	+0.80	61.00

Grading Notes. Menlo - Eureka
road

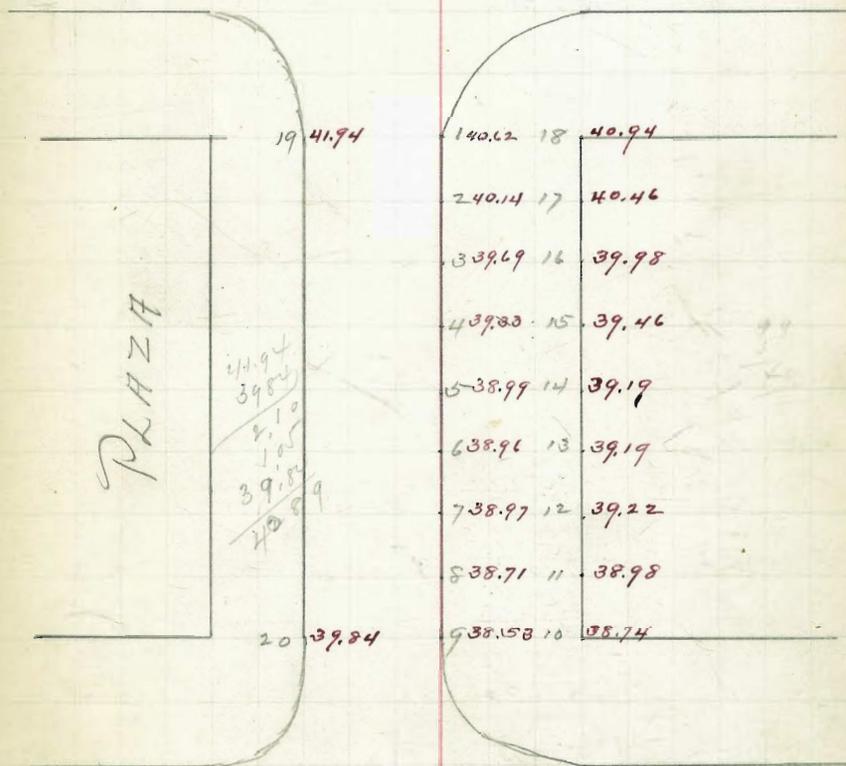
77.56	77.56	77.56	77.56	77.56	77.56
67.86	67.29	66.71	66.14	65.57	
9.70	10.27	10.85	11.42	11.99	

65.57								
3.24								
68.81	68.81	68.81	68.81	68.81	68.81	68.81	68.81	68.81
65.00	64.43	63.86	63.29	62.71	62.14	61.57	61.00	
3.81	4.38	4.95	5.52	6.10	6.67	7.24	7.81	

Curb on South Side Withersby St - 8
on Plaza

Station	Rod (45.74)	Elev.
1	5.12	40.62
2	5.60	40.14
3	6.05	39.69
4	6.41	39.33
5	6.75	38.99
6	6.78	38.96
7	6.77	38.97
8	7.03	38.71
9	7.21	38.53
10	7.00	38.74
11	6.76	38.98
12	6.52	39.22
13	6.55	39.19
14	6.55	39.19
15	6.28	39.46
16	5.76	39.98
17	5.28	40.46
18	4.80	40.94
19	3.80	41.94
20	5.90	39.84

40.00
5.74
45.74



41.94
39.84
39.10
38.99
38.74
38.53
38.28
38.03

140.62 18 40.94
240.14 17 40.46
339.69 16 39.98
439.20 15 39.46
538.99 14 39.19
638.96 13 39.19
738.97 12 39.22
838.71 11 38.98
938.58 10 38.74

Marlow Park Road

Station		12' L	Center	12' R	
	82.80	82.70	(91.35)	81.50	81.50
0+0	<u>8.50</u>	8.60	9.40	9.80	<u>9.50</u>
	82.70	80.50	82.50	80.90	79.90
50	<u>7.60</u>	7.80	8.80	10.40	<u>11.40</u>
	2.87.00	87.00	85.60	86.30	84.50
1+00	<u>4.30</u>	4.30	5.70	5.20	<u>6.60</u>
		89.80	88.30	88.20	
50		1.50	3.00	3.10	
		92.70	(95.94)	92.00	
2+00		3.20	3.90	3.90	
		93.80	92.80	92.20	
25		2.10	3.10	3.70	
		92.40	92.00	91.30	
50		3.50	3.90	4.60	
15		91.60	90.80	90.80	
62		4.30	5.10	5.10	
10		89.60	88.30	89.40	
75		6.30	7.60	6.50	
15		85.60	85.30	86.30	
3+00		10.30	10.60	9.60	
	79.30	79.00	(84.94)	80.70	
	<u>25</u>	18	82.50	80.70	
25	5.6	5.4	1.90	2.10	1.20
	77.80	78.90	80.80	80.70	81.20
	<u>25</u>	15	9	4.20	3.70
50	7.10	6.00	4.10	4.20	3.70
	76.90	77.40	79.10	79.40	79.70
	<u>25</u>	15	6.80	5.60	5.20
75	8.0	7.5	5.80	5.60	5.20
	75.10	76.70	78.30	78.40	78.60 80.90
	<u>25</u>	15	9	78.40	10 15
4+00	9.8	8.2	6.60	6.50	6.3 4.00
	22.00	24.00	77.20	77.30	77.70
	73.60	11.3	17	10	10
25	25	10.9	7.70	7.60	7.2
	71.30	71.50	76.50	(80.26)	76.40 78.10 74.10
	<u>25</u>	18	74.50	5	11 20
50	9.00	8.5	3.80	3.80	3.90 7.2 6.20
	71.00	71.40	75.80	75.80	75.60 69.80 68.60
	<u>25</u>	17	10	7	16 25
75	9.3	8.9	4.5	4.50	4.7 10.5 11.70
	69.50	71.20	75.50	75.30	67.00 67.70
	<u>25</u>	15	8	7	20 25
5+00	10.8	8.40	4.80	5.00	5.00 12.70 12.60
	69.60	70.00	74.70	74.80	74.50 69.70
	<u>25</u>	15	6	9	14 25-68.80
25	10.7	10.3	5.40	5.50	5.5 10.6 11.50

Marlow Park Road 9

Feb 8-99

0+0 is 200' South of South line F St, on 32' St

80.00 B.M. 32' St

11.32

91.35

90.00

91.35

4.59

95.94

11.71

84.23

0.71

84.94

8.02

76.92

3.34

80.26

S line F St T.P.

Curve 40 R

East line 32' on F. T.P.

Old A Culvert

Moulton Road

Station	L	Center	R
50	70.30 2.5 10.00 74.80 2.5 5.5 78.90 2.0 1.4	71.10 12 9.2 73.40 12 6.9 77.30 2.0 1.4	74.40 6 5.9 75.20 7 5.1 77.30 3.0 79.70 79.70 6.90 80.20 12 6.40 80.10 12 6.50 81.30 12 5.3 84.50 12 2.10 88.40 12 3.90 89.30 12 3.00 86.00 12 6.30 81.80 12 10.50 77.10 5.50 72.30 12 10.30 70.60 12 1.40 68.20 12 3.80 66.00 12 5.50 65.40 12 6.60 64.70 12 7.30
75			
6+00			
40			
40			
50			
7+00			
50			
8+00			
50			
9+00			
50			
10+00			
50			
11+00			
50			
12+00			
12+50			
13+00			
50			
75			

80.26
329
76.97
91.59
866.6
0.95
866.1
6168
9229
11.07
8122
1134
8256
11.32
7124
0.80
72.04

4' west of west line 33+0

follow excavation

low line

Marlow Road

Station	L.	Center	R.
14+00	54.00 <u>25</u> 7.80	60.30 12 <u>1.50</u> 52.30 12 9.50	58.80 12 <u>5.00</u> 49.00 12 50.50
25	47.70 <u>25</u> 2.70	47.00 12 3.4	45.40 12 45.70
50	45.10 <u>25</u> 5.80	44.80 12 5.60	44.50 12 5.90
15+00	44.60 <u>25</u> 5.80	44.20 12 6.70	44.10 12 6.30
50	44.40 <u>20</u> 6.00	44.40 12 6.00	44.20 12 6.20
16+00	44.80 <u>20</u> 5.60	44.50 12 5.90	44.50 12 5.80
50	45.20 <u>20</u> 5.20	45.20 12 5.20	44.90 12 5.50
17+00	45.70 <u>20</u> 4.70	45.40 12 5.80	45.20 12 5.50
50	46.20 <u>20</u> 4.20	45.90 12 5.10	45.60 12 5.20
18+00	46.60 <u>20</u> 3.80	46.40 12 4.50	46.10 12 4.80
50	47.00 <u>20</u> 3.40	46.70 12 4.60	46.40 12 4.50
19+00	47.10 <u>20</u> 3.80	46.90 12 3.50	46.70 12 3.80
50	47.20 <u>20</u> 4.80	47.10 12 4.90	47.00 12 4.90
20+00	47.60 <u>20</u> 4.40	47.50 12 4.30	47.40 12 4.60
50	46.90 <u>20</u> 5.10	46.90 12 5.20	46.70 12 5.30
21+00	47.40 <u>20</u> 4.60	47.20 12 4.80	47.30 12 4.70
50	47.30 <u>20</u> 4.70	47.00 12 5.00	46.90 12 5.10
22+00	46.40 <u>20</u> 5.60	46.50 12 5.50	46.50 12 5.50
50	47.60 <u>20</u> 5.60	47.50 12 5.50	47.20 12 5.70

72.04
11.54
<u>60.50</u>
1.00
61.50
11.79
<u>50.01</u>
0.00
<u>50.01</u>
3.22
<u>47.14</u>
4.87
<u>52.01</u>

Station		L.	Center	R.	
	46.70	46.40	46.20	46.50	45.60
	<u>20</u>	<u>12</u>		<u>2</u>	<u>20</u>
23+00	5.80	5.60	5.80	5.50	6.40
	<u>46.90</u>	<u>46.80</u>	46.60	<u>46.50</u>	<u>46.20</u>
	<u>20</u>	<u>12</u>		<u>12</u>	<u>20</u>
60	5.10	5.20	5.40	5.50	5.80
	<u>44.70</u>	<u>44.60</u>	44.30	<u>44.30</u>	<u>44.20</u>
	<u>20</u>	<u>12</u>		<u>2</u>	<u>20</u>
24+00	7.30	7.40	7.70	7.70	7.80
+35					

50.60

1.50 on end stake of 2% grade

Curb Elev. on
 Madison
 Wilson to 36x45T 36' bet. curbs

3/2/74
 Stone
 Murray
 Wilson

397.27

SEBP	5.76	397.27	391.5
EL. of Wilson = 0+00		<u>397.27</u>	
S curb	4.47	393.00	
N	4.37	392.90	
0.50			
N	4.80	392.47	
S	4.76	392.51	
1+00			
S	5.05	392.22	
N	5.18	392.09	
1+45 = w/L alley			
N	5.28	392.00	
S	5.18	392.10	
1+40 = EL alley			
S	5.33	391.94	
N	5.29	391.78	
1+53 = Bulge in curb			
N	5.48	391.79	
S	5.40	391.87	

	147	<u>397.27</u>
S		391.92
N		391.97
	1+80	
N		391.53
S		391.75
	2+00	
S		391.49
N		391.35
	3+37.5	
N		391.11
S		391.24
	2+65 = w/L of 36x45T	
S		391.07
N		390.89

3/11/47
 Moore
 Cross Section of
 DWIGHT ST 60' wide 10' cbs
 Louisiana to Frizant

291.37 ✓

291.37
 14

SECT	10.93	291.37 ✓	350.4 ✓	DWIGHT FRIZANT
EL Louisiana = 0.0				
	10.5	80.9		1/4
cb top curb	10.9	80.45		cb
1/4	10.9	80.5		1/4
c	10.8	80.6		
1/4	10.8	80.6		1/4
cb top curb	10.4	80.95		cb
1/4	10.4	81.2		1/4
0+04				
1/4	8.2	83.2		1/4
cb	8.2	83.2		cb
1/4	8.6	82.8		1/4
c	10.2	81.2		c
1/4	10.1	81.3		1/4
cb	9.0	82.4		cb
s	9.6	81.8		1/4
0+15				
s	9.2	82.2		c
cb	9.0	82.4		1/4
				cb
				1/4

Plotted March 8 -
 ESTIMATED
 C-B. Houghb
 " " " "

8.9	82.5		
8.7	82.7		
8.5	82.9		
7.9	83.5		
7.9	83.5		
0+63.5			
7.3	84.1		
8.0	83.4		
8.4	83.0		
8.7	82.7		
8.7	82.7		
8.6	82.8		
S 23' wide curb walk	8.3	83.1	
0+88.5			
S 1/2 double strip curb drive	8.0	83.4	
8.3	83.1		
8.3	83.1		
8.2	83.2		
8.0	83.4		
8.0	83.4		
7.6	83.8		

291.37 ✓

1+01			
N	7.5	83.9	
cb	7.9	83.5	
1/4	7.7	83.7	
c	8.0	83.4	
1/4	8.0	83.4	
cb	8.0	83.4	
S & double electric conduits	7.8	83.6	
1+17			
S & cement floor	7.2	84.2	
cb	7.6	83.8	
1/4	7.6	83.8	
c	7.6	83.8	
1/4	7.7	83.7	
cb	7.5	83.9	
N	7.3	84.1	
1+22			
N & garage cement floor	6.70	84.67	
1+44			
N & garage wood floor	5.9	85.5	

291.37 ✓

Dwight

15

1+44			
N for ridge	6.2	85.0	
cb	7.0	84.4	
1/4	6.8	84.6	
c	6.3	85.1	
1/4	6.5	84.9	
cb	6.9	84.5	
S	6.9	84.5	
2+00			
S	4.8	86.6	
cb	5.3	86.1	
1/4	4.7	86.7	
c	4.8	86.6	
1/4	4.9	86.5	
cb	5.1	86.3	
N	5.0	86.4	
2+35			
N	3.2	88.2	
cb	3.2	88.2	
1/4	3.5	87.9	
c	3.1	88.3	

29137 ✓

1/4	2.8	88.6
cb	3.1	88.3
S	3.9	87.5
2 + 71.5 = WL Texas		
S	1.8	89.6
cb T. 1/2 curb	1.99	89.38
1/4	2.1	89.3
c	1.9	89.5
1/4	1.9	89.5
cb " "	1.51	89.9
1/4	1.3	90.1
EL Texas = 0400		
1/4	0.0	91.4
cb top curb cb	0.96	90.91
1/4	0.91	90.5
c	1.0	90.4
1/4	1.3	90.1
cb " " "	1.05	90.32
S	0.5	91.0
T.P.	553	296.16
	0.74	290.63 ✓

29616 ✓

Dwight

16

0 + 10 ✓		
S	2.4	93.8
+ 2 ✓	5.2	91.0
cb	5.8	90.4
1/4	6.0	90.2
c	5.6	90.6
1/4	5.6	90.6
cb	5.6	90.6
1/4	4.1	92.1
0 + 10		
1/4	0.9	95.3
+ 2	4.4	91.8
cb	5.4	90.8
1/4	5.2	91.0
c	5.2	91.0
1/4	5.7	90.5
cb	5.2	91.0
+ 2	4.9	91.3
+ 5	1.7	94.5
S	1.1	95.1

296.16

0+15

S	1.4	94.8
cb	2.7	93.5
1/4	2.8	93.4
c	4.1	92.1
1/4	4.7	91.5
cb	4.6	91.6
+5	4.1	92.1
+7	1.3	94.9
1/4	1.4	95.0

0+20

1/4	1.5	94.7
cb	2.0	94.2
+3	3.5	92.7
1/4	4.0	92.2
c	2.9	93.3
1/4	1.8	94.4
cb	1.8	94.4
S	1.8	94.4

296.16

Dwight 17

0+50

S	4.5	91.7
cb	4.7	91.5
1/4	4.7	91.5
c	4.5	91.8
1/4	5.0	91.2
cb	4.5	91.7
1/4	3.9	92.3

0+85

1/4	7.4	89.0
cb	7.6	88.6
1/4	8.0	88.2
c	7.9	88.3
1/4	7.8	88.4
cb	7.8	88.4
S	7.5	88.7

1+20

S	9.5	86.7
cb	9.4	86.8
1/4	9.5	86.7
c	9.8	86.6

29616

1/4	10.0	86.2
cb	9.4	86.8
1/4	9.4	86.8
1+45		
1/4	10.6	85.6
cb	10.9	85.3
1/4	11.0	85.2
c	11.1	85.1
1/4	10.8	85.4
cb	10.5	85.7
S	10.7	85.5
1+70		
S	11.8	84.4
cb	11.4	84.8
1/4	11.8	84.4
c	12.5	83.7
1/4	12.2	84.0
cb	11.5	84.8
1/4	11.6	84.6

T.P.

367 287.59 ✓ 12.24 283.9 ✓

287.59 ✓

Dwight 18

2+05	1.0	83.6
✓	1.1	83.5
cb	1.2	83.4
1/4	1.5	83.1
c	1.5	83.1
1/4	1.5	83.1
cb	1.3	83.3
+5 beam work 18' wide	4.3	83.3
S	4.3	83.3
2+35		
S	4.8	82.8
cb	4.7	82.9
1/4	4.6	83.0
c	4.9	82.7
1/4	5.0	82.6
cb	4.6	83.0
✓	4.4	83.2
2+65		
1/4	4.4	83.2
cb	4.9	82.7

287.59

19

1/4	6.2	81.4
c	5.7	81.9
1/4	5.7	81.9
+6	5.4	82.2
+8	4.4	83.2
cb	5.1	82.5
J	5.6	82.0
2 + 74 = WL Arizona		
J	6.3	81.3
cb top corr cb	6.44	81.15
1/4	6.5	81.1
c	6.2	81.4
1/4	6.2	81.4
cb	5.65	81.94
N	5.41	82.2
check to DM Dwight + Ann	6.47	81.1

Marlow Road

Feb 8-99

Beginning at Pueblo Line - Cajon Road, I am
west along the foot of the hill on a 1% descending
grade to S 17+00, then I am on a 2% ascending
grade to S 19+00, thence descending grade of 2%
to S 23+00, thence level to S 24+00

78

Culvert 30' long

7' high

10' wider on Bottom to outside

ends

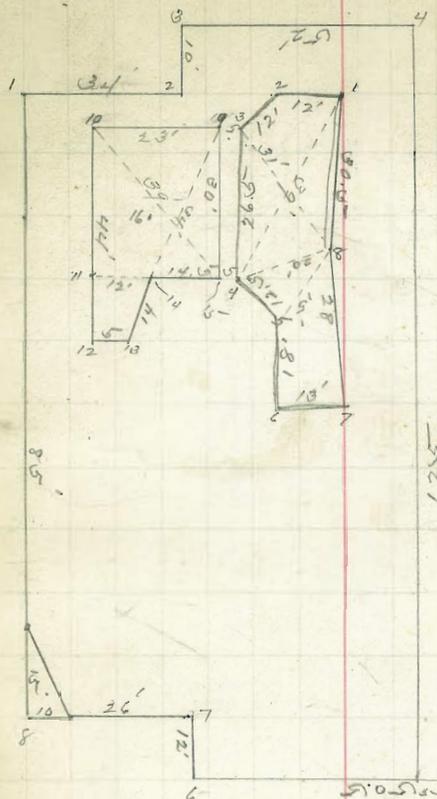
263 feet from fence of Smiths to Center

line Road

assumed Elev of
Base 100 ft

118.3
11.3
107.0
1.8
108.8

Station	Rod	Average Elevations			99.80	11.3	107.0	1.8	108.8
	(118.80)	7.30	11.30	7.10	110.80	0.90	109.90	8.40	118.30
1	15.90 2.40	12.00	7.00	11.20	109.90	8.40	118.30		
2	16.10 2.20	8.70	5.70	12.40					
3	16.80 2.00	10.60	8.70	5.90					
4	16.10 2.20	11.70	13.30	6.00	108.80	3.60	6.40		
5	15.90 2.40	12.70	9.70	7.00	7.20	6.40			
6	14.60 3.70	13.50	9.70	5.00	7.50	7.10			
7	14.60 3.70	13.80	13.40	5.50	6.80	6.00			
8	15.90 2.40	8.60	11.80	3.60	5.60	5.00			
9	12.50 5.80	7.60	9.10	3.70	6.20	5.10			
10	13.10 5.20	8.40	9.70	3.00	5.20	8.40			
11	13.40 4.90	7.60	11.50	1.80	4.80	6.70			
12	13.20 5.10	7.20	11.40	3.00	.80	7.20			
13	13.80 4.50	7.00	8.90	4.20	2.00	5.20			
14	14.00 4.30	5.70	7.70	1.90	1.40	5.20			
15	12.90 5.40	6.90	6.80	2.60	.60				
16	13.60 4.70	6.90	8.60	2.10	.60				
		6.10	6.90	4.50	1.30				
		12.20	11.40	4.30	7.30				
		8.00	7.80	3.00	6.80				
		10.00	8.50	5.80	2.00				
		7.80	9.20	6.20	5.60				
		10.50	9.10	2.60	3.20				



Stat in bottom

79

	0.00	106.80
	5.80	6.00
1	5.80	99.80
		6.30
3	5.50	106.10
2	5.50	
1	5.40	
8	6.00	
	(106.15)	
7	6.50	
6	6.50	
5	6.70	

Boston District

23 / 18.000 / 8 - 15
 184
 9.60
 1.81
 208
 3.74
 5.44
 6.44
 7.44
 Return to City Engineers Office
 City Hall, San Diego, Cal.

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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	99.65	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	21.61	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	84.94	53.73	84.70	54.10	57
33	83.87	54.46	83.63	54.83	83.99	55.19	83.75	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.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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