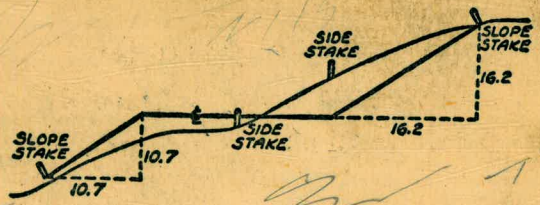




898

Please Return to
 City of San Diego Water Dept.
 Room 903 Civic Center



747.5 - 20 742.8 715.0

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
 SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

RECORDED
 INDEXED
 JAN 20 1962

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.032	.035	.039	.043	.047	.051	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.677	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

INDEX

*San Vicente Ageduct Connection X-sec. 1-9
(Auxiliary line)*

San Vicente Aqueduct
 Connection
 Auxiliary Line

P.I.
 55 + 88.63 = 0+00 762.23

242 764.65

0+00

0+22

0+27

12.25 751.70

161 753.31

0+35

0+50

13.33 739.98

0.31 740.29

1+00

8-17-54

LT

±

RT

BEGINNING STA. & BM

755.1 757.6 762.2 ~~763.3~~ 765.9
 9.5 7.0 2.7 1.4 +1.3
 50' 25' 0 25' 50'

758.0

0.6

746.3 750.7 760.0 755.7 740.3
 18.3 13.9 4.6 8.9 4.3
 50' 20' 0 13' 50'

749.3

2.0

742.1 747.5 749.2
 11.2 8.8 4.1
 50' 0 50'

729.8 732.0 733.7 727.7
 10.5 8.3 6.6 12.6
 50' 0 15' 50'

740.29

13.05 727.24

0.37 729.61

1 + 30

12.33 715.28

0.33 715.61

1 + 40

1 + 50

2 + 00

2 + 50

2 + 65 PI

9.25 706.36

0.79 707.15

LT

RT

719.6

720.3

722.4

719.6

715.9

8.0
50'

7.3
30'

5.2
0

9.0
25'

11.7
50'

TOP EDGE 15' TO ROCK

715.5

BOTTOM EDGE 15' TO ROCK

0.1
0

713.8

714.9

713.5

714.5

1.8
50'

0.7
30'

2.1
0

1.1
50'

711.0

706.3

706.9

4.6
50'

2.3
0

14.7
50'

707.3

706.4

706.4

701.1

8.3
50'

9.2
0

9.2
10'

13.5
50'

702.9

703.7

691.0

12.7
50'

11.9
0

29.6
50'

707.15

10.43 694.74

246 698.18

2 + 85

3 + 00

11.20 687.98

5.41 693.39

13.31 680.08

6.45 686.53

12.74 673.79

2.41 676.20

3 + 20

12.20 664.00

1.35 665.35

3 + 50

13.02 652.13

0.01 652.20

LT

RT

689.9

8.3

688.1

688.1

688.1

683.3

683.4

BASE 15' TO ROCK

10.1
20'10.1
15'10.1
014.9
35'14.8
50'

675.2

1.0

660.3

661.3

660.4

651.1

TOE 50' TO ROCK

5.1
29'4.1
15'5.0
014.3
50'

652.20

3 + 85

13.31 638.89

4 + 00 0.52 639.41

13.22 626.19

0.54 626.73

4 + 50

4 + 90

5 + 00

11.90 614.83

0.35 615.18

5 + 18

11.79 603.39

6.19 603.58

5 + 20

652.6

+ 0.4
50

637.5

1.9
50

629.6

2.8
30

645.6

6.6
0

624.5

17.9
0

640.6

11.6
50

625.4

14.0
50

623.6

3.1
50

623.3

3.4
0

626.3

0.4
25

636.3

+ 2.6
60

617.9

2.0
0

614.6

12.1
50

614.3

12.4
0

613.5

13.2
16

622.8

3.9
50

610.6

9.6
0

601.6

3.1
0

603.58

5+50

13.245 90.34

2.20 592.54

5+70

12.91 579.63

3.25 583.58

5+75

11.84 571.74

0.16 571.90

6+00

12.81 559.09

1.11 560.20

12.05 548.15

6+50

1.09 549.24

12.43 536.81

5.10 541.91

6+75

$\begin{array}{r} \text{IT} \\ \downarrow \\ 60.1 \\ 3.5 \\ 50 \end{array}$
 $\begin{array}{r} \downarrow \\ 60.2 \\ 1.4 \\ 40 \end{array}$
 $\begin{array}{r} \downarrow \\ 60.1 \\ 3.5 \\ 22 \end{array}$
 $\begin{array}{r} \downarrow \\ 594.1 \\ 2.5 \\ 0 \end{array}$
 $\begin{array}{r} \text{RT} \\ \downarrow \\ 589.0 \\ 14.6 \\ 20 \end{array}$
 $\begin{array}{r} \downarrow \\ 594.8 \\ 8.8 \\ 35 \end{array}$
 $\begin{array}{r} \downarrow \\ 596.1 \\ 7.5 \\ 50 \end{array}$

$\begin{array}{r} \downarrow \\ 536.8 \\ 5.7 \\ 0 \end{array}$

$\begin{array}{r} \downarrow \\ 572.6 \\ 11.0 \\ 0 \end{array}$

$\begin{array}{r} \downarrow \\ 567.9 \\ 167.9 \\ 7.0 \\ 50 \end{array}$
 $\begin{array}{r} \downarrow \\ 528.9 \\ 468.9 \\ 3.0 \\ 30 \end{array}$
 $\begin{array}{r} \downarrow \\ 564.9 \\ 482.9 \\ 7.0 \\ 0 \end{array}$
 $\begin{array}{r} \downarrow \\ 562.3 \\ 482.9 \\ 7.6 \\ 18 \end{array}$
 $\begin{array}{r} \downarrow \\ 566.5 \\ 446.9 \\ 5.7 \\ 50 \end{array}$

$\begin{array}{r} \downarrow \\ 550.6 \\ 458.6 \\ 1.4 \\ 50 \end{array}$
 $\begin{array}{r} \downarrow \\ 530.6 \\ 442.6 \\ 1.4 \\ 18 \end{array}$
 $\begin{array}{r} \downarrow \\ 545.6 \\ 442.6 \\ 3.6 \\ 0 \end{array}$
 $\begin{array}{r} \downarrow \\ 543.6 \\ 442.6 \\ 5.6 \\ 5 \end{array}$
 $\begin{array}{r} \downarrow \\ 547.2 \\ 447.2 \\ 2.0 \\ 50 \end{array}$

$\begin{array}{r} \downarrow \\ 538.2 \\ 3.7 \\ 0 \end{array}$

541.91

6485

6490

11.57 530.34

0.64 530.98

7400

1224 518.74

0.58 519.32

11.52 507.80

0.32 510.12

7450

11.90 498.23

1.78 500.00

8400

13.06 486.94

0.68 487.62

532.3

26
0

532.0

29
0

525.3

529.5

526.6

524.5

522.2

527.5

+ 4.3
50

3.5
35

4.4
7

6.5
0

8.8
10

1.5
50

510.0

506.0

503.1

508.1

510.1

0.1
58

4.1
90

7.0
0

2.0
25

0.0
50

487.5

483.8

486.9

490.3

492.9

12.5
30

16.2
18

13.1
0

9.2
25

7.1
50

487.62

9+50

12.00 476.53

1.04 476.57

BACK LEG

9+00 P1

FORWARD LEG

9+00 P1

1134 465.23

0.40 465.72

9+35

9+50

10+00

10+50

6.30 457.42

1.41 458.83

$\begin{array}{r} 480.5 \\ 7.1 \\ \hline 50 \end{array}$
 $\begin{array}{r} 478.0 \\ 2.6 \\ \hline 20 \end{array}$
 $\begin{array}{r} 475.1 \\ 12.5 \\ \hline 10 \end{array}$
 $\begin{array}{r} 476.1 \\ 11.5 \\ \hline 0 \end{array}$
 $\begin{array}{r} 480.0 \\ 7.6 \\ \hline 50 \end{array}$
 $\begin{array}{r} 482.6 \\ 5.0 \\ \hline 50 \end{array}$

$\begin{array}{r} 470.1 \\ 6.5 \\ \hline 50 \end{array}$
 $\begin{array}{r} 467.0 \\ 2.6 \\ \hline 50 \end{array}$
 $\begin{array}{r} 467.0 \\ 2.6 \\ \hline 0 \end{array}$
 $\begin{array}{r} 469.0 \\ 7.6 \\ \hline 40 \end{array}$
 $\begin{array}{r} 468.9 \\ 7.7 \\ \hline 50 \end{array}$

$\begin{array}{r} 478.0 \\ 1.4 \\ \hline 50 \end{array}$
 $\begin{array}{r} 470.7 \\ 5.9 \\ \hline 40 \end{array}$
 $\begin{array}{r} 467.0 \\ 2.6 \\ \hline 0 \end{array}$
 $\begin{array}{r} 463.9 \\ 12.7 \\ \hline 75 \end{array}$
 $\begin{array}{r} 463.4 \\ 13.2 \\ \hline 50 \end{array}$

$\begin{array}{r} 461.7 \\ 3.0 \\ \hline 0 \end{array}$
 $\begin{array}{r} 457.7 \\ 8.0 \\ \hline 50 \end{array}$
 $\begin{array}{r} 462.0 \\ 3.7 \\ \hline 0 \end{array}$
 $\begin{array}{r} 476.0 \\ 5.3 \\ \hline 50 \end{array}$

$\begin{array}{r} 470.5 \\ 7.8 \\ \hline 50 \end{array}$
 $\begin{array}{r} 464.5 \\ 1.2 \\ \hline 11 \end{array}$
 $\begin{array}{r} 459.5 \\ 6.2 \\ \hline 0 \end{array}$
 $\begin{array}{r} 456.1 \\ 2.6 \\ \hline 50 \end{array}$

$\begin{array}{r} 466.1 \\ 0.6 \\ \hline 50 \end{array}$
 $\begin{array}{r} 458.1 \\ 7.6 \\ \hline 0 \end{array}$
 $\begin{array}{r} 456.1 \\ 2.6 \\ \hline 25 \end{array}$
 $\begin{array}{r} 450.8 \\ 14.2 \\ \hline 50 \end{array}$

458.83

11 + 00

11 + 50

12 + 00

12 + 50

13 + 00

563 453.00

6.03 4 59.03

13 + 50

14 + 00

14 + 50

LT	RT	RT
458.2	455.0	
$\frac{4.6}{50}$	$\frac{3.8}{0}$	EDGE LARG. CONC PILE-LEVEL
456.6	453.4	452.4
$\frac{3.2}{50}$	$\frac{5.4}{0}$	$\frac{6.4}{50}$
453.6	452.6	452.3
$\frac{5.2}{50}$	$\frac{6.2}{0}$	$\frac{6.5}{50}$
452.4	452.5	452.6
$\frac{6.4}{50}$	$\frac{6.3}{0}$	$\frac{6.2}{50}$
452.7	452.7	452.5
$\frac{6.1}{50}$	$\frac{6.1}{0}$	$\frac{6.3}{50}$
453.4	453.6	453.4
$\frac{5.6}{50}$	$\frac{5.4}{0}$	$\frac{5.6}{50}$
453.3	453.9	454.3
$\frac{5.1}{50}$	$\frac{5.1}{0}$	$\frac{3.7}{50}$
457.3	454.2	454.3
$\frac{4.7}{50}$	$\frac{2.8}{0}$	$\frac{4.7}{50}$

459.03

15 + 00

15 + 50

16 + 00

4.06 454.97

12.07 467.04

16 + 57

16 + 77

16 + 98.80 = 71 + 00

16 + 96.80 = FB 889 P 50

CB

17.5 463.09

5.70 461.34

7.07 456.05

3.78 459.23

4.33 455.50 = 455.47

457.6

7.4 / 50

454.4

7.6 / 50

455.4

3.6 / 50

455.1

3.9 / 0

454.8

7.2 / 0

455.0

8.0 / 0

454.5

4.5 / 50

454.2

7.8 / 50

454.9

7.1 / 50

457.9

12.1 / 30

458.3

8.7 / 30

461.2

70.2 / 50

454.8

13.2 / 0

466.3

9.7 / 35

468.0

71.0 / 30

454.9

12.1 / 30

465.5

1.5 / 0

465.0

3.0 / 0

558.1

8.9 / 75

464.0

3.0 / 30

460.8

6.2 / 50

457.6

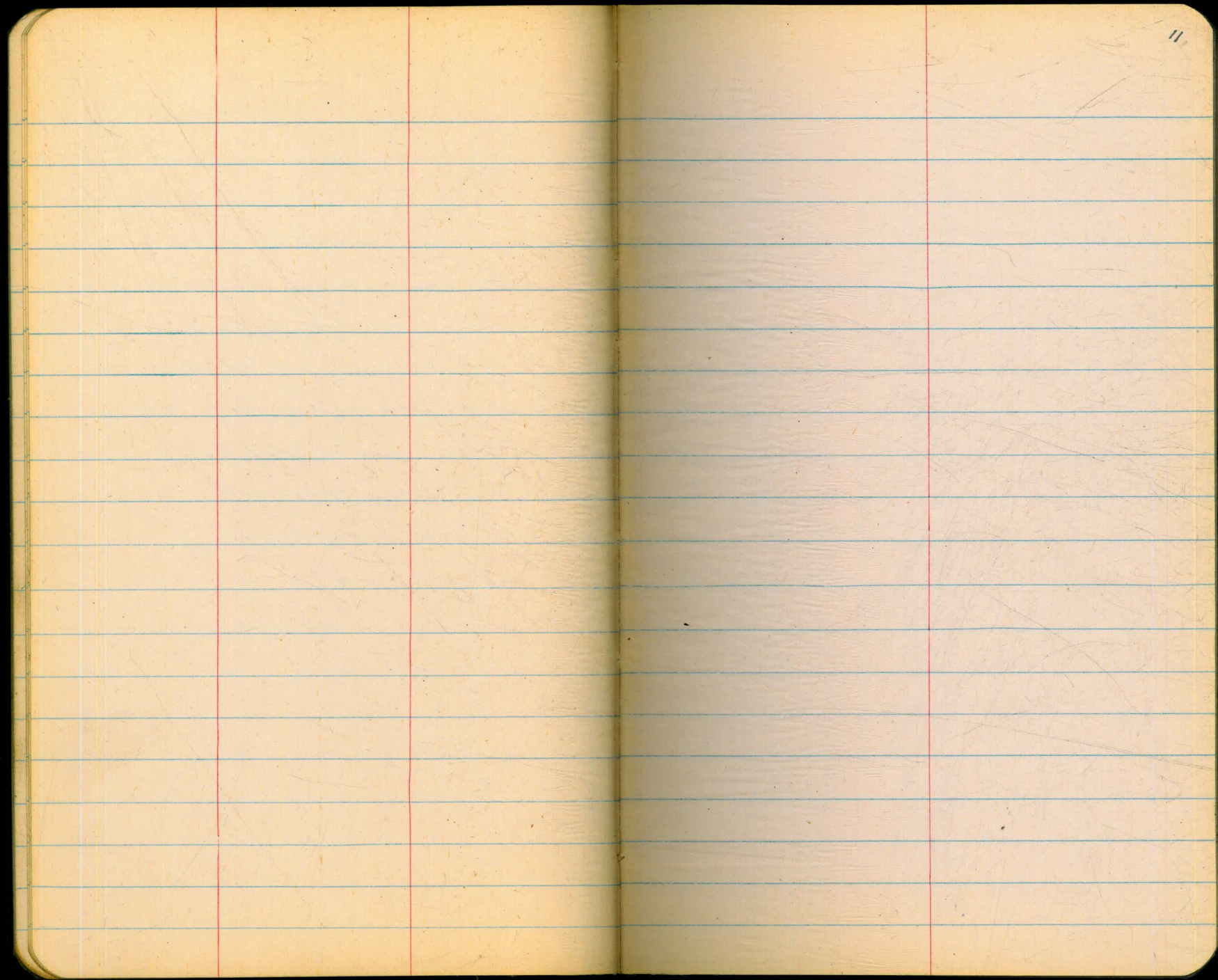
9.4 / 50

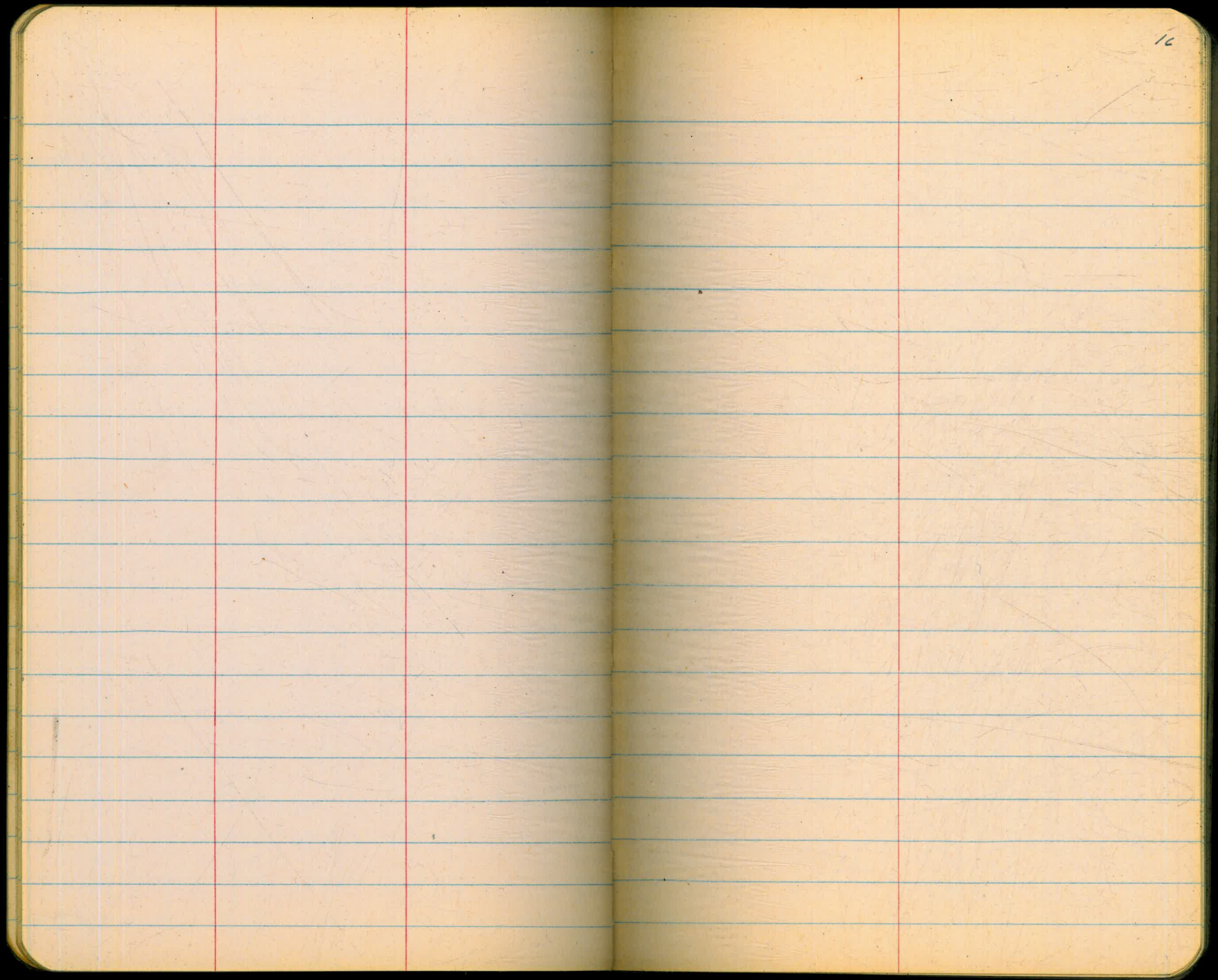
459.5

7.5 / 50

reduced 8-25-54 RJA

Checked 8-27-54 RVB





108.00

45.50

1257

108.3

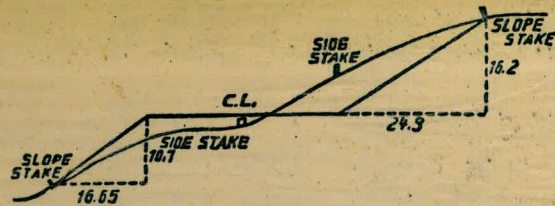
153.47

65.36

483

1.03

Please Return to
 City of San Diego Water Dept.
 Room 903 Civic Center



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
 SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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