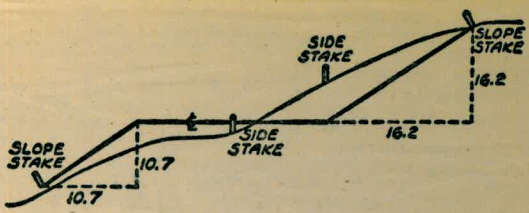


796



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.

MICROFILMED

JAN 1 1960

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	.029	.032	.035	.039	.043	.047	.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	.266	.353	.440	.528	.617	.707	.797	.887	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		

SAN VICENTE DAM - ROAD LOC. West of Dam - to boat landing <sup>16</sup>

Profile

17-

San Vicente Dam  
Road Location to boat dock  
West of Dam

King  
Shipmen  
West

5-22-50

Clear Hot  
Transit - Berger II

E.C. 4+8659

598°30'W

Δ 28°19'  
R - 200'  
L 98.84  
DEFL 8.594 - per Ft.  
T. 50.45

Δ 28°19'2

B.C. 3+8775

H10 Small Rock outcropping - 5' L<sub>h</sub>

589°30'W

Otago



E.C.

2892L

4+8659

PI

B.C. 3+8775

Small Alder  
3725  
3700  
3700  
3700

3' @ 14' W/L - 2+31

H10

Old Truck Road

Otago

3

3

San Vicente Dam  
Pd. Location

King  
Shipman  
West.

5-22-50

2

8+50 Rock outcroppings 10' Lt.

8+30 Loose Bldgs  $\Phi$

7+82 8x8 Rock Loose

N52 W

Ec. 7+16.95

$\Delta 39^{\circ}59'$   
R-100'  
T-26.38  
h. 67.78

A  $39^{\circ}59' R$

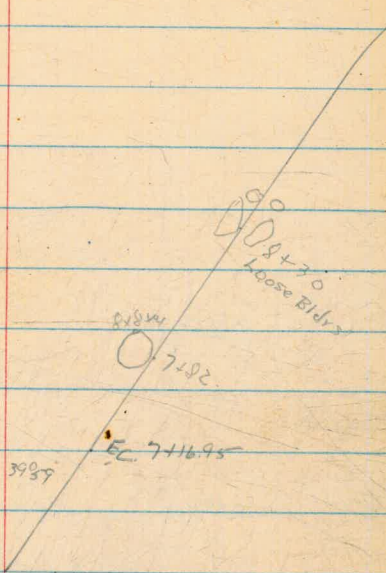
Bc. 6+47.17

Ec.

5+40 Draw

Ec. 4+86.04

Good Soft Soil  
Few boulders  
little brush



5+40

Drawn - 8' Pipe could take water

Ec. 4+86.04

San Vicente Dam  
Rd. location

King  
Shipman  
West

5-22-50

3.

N. 37° 30' E

E.C. 12+68.06

90° 38' 30" R

490° 38' 30" R  
R-60'  
T-60.68  
L-94.92

B.C. 11+73.14

11440-57 - Solid Rock

11400

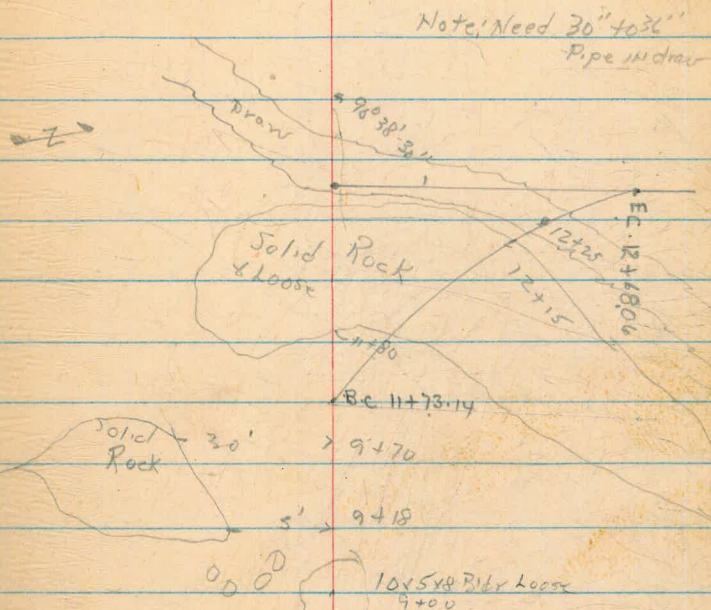
10271 } Solid Rock

10' ht.

15' R + 0WSlope

9+00 Loosy Blders. ht.

T.P.



Note: Scattered Loose Rock both sides @ 9+00-11+00

E.C. 7+16.95

San Vicente Dam  
Rd - Loc.

KING  
Shipman  
West

5-23-50

4

NOSE

EC 12+2474

$\Delta$  3000  
R-100'  
T 2692  
L 52.59

30° 28' 2

EC 12+2474  
3000

BC 12+2215

No Rock  
Good Dg.

BC 12+2215

EC 12+6806

EC 12+6806

San Vicente Dam  
Rd. 20c.

King  
Shipman  
West

5-23-50

5

N 10° W

E.C. 13+83.32

Δ 18° 16'  
R-1040  
T-1400  
L-3188

18° 16'

N 10° W

B.C. 13+519y

E.C. 13+247y

18° 16' >

E.C. 13+83.32

No Rock  
Good D.G.

B.C. 13+519y

E.C. 13+247y



San Vicente Dam  
Rd. Loc.

King  
Shipman  
West

5-23-50

B.C.	18+01.31			
E.C.	17+97.10	S58°30'W	87°52'L	$\Delta 87.92'$ R-43.43 T-41.89 L-66.17
P.C.C.	17+30.43	N72°30'W	88°W/L	$\Delta 88.16'$ R-50' T-48.51 L-77.03
B.C.	16+53.40			
		N56°30'E		
E.C.	16+29.45 H.H. 16+35.46 B.P.Z			$\Delta 67.017'$ R-50' T-33.27 L-58.72
B.C.	15+76.14			
		N67°N/R		
E.C.	13+83.32			

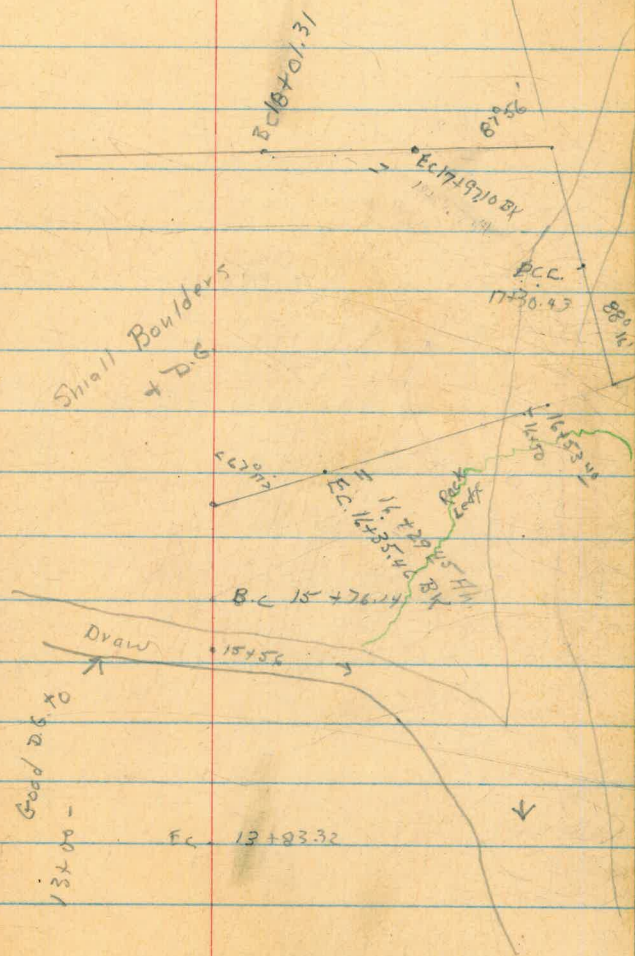
Good P.G.  
Few Small Boulders

Small Boulders  
+ Dig

Note: 24" Pipe  
15+56

No rock

Good dig to  
13+00 -



San Vicente Dam  
Road Loc.

King  
Shipman  
West

5-24-50

7

S. 41° W

F.C. 21442.65

A 32° 30'

R-100'

T-29.5

L-56.72

B.C. 20485.93

A 32° 30' R

S. 83° W

F.C. 18478.01 #1  
18465.49 BK

A 52° 32' L

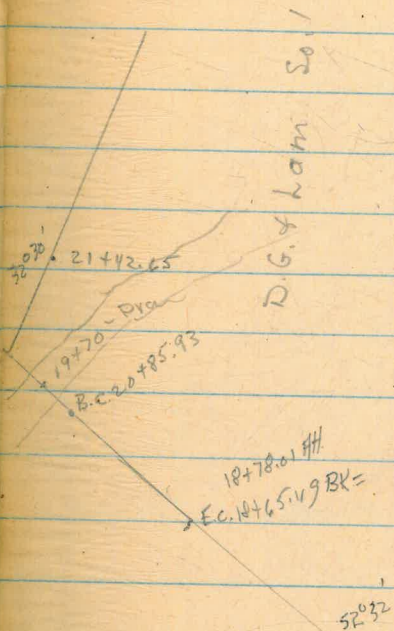
R-70'

T-34.55

L-64.18

A 52° 32' L

B.C. 18401.31



D. G. & Lam  
So. /

R.C. 18401.31

San Vicente Dam  
Road Loc

King  
West  
Shipman

5-24-00

8

N 15° 15' E

E.C. 23+11.04

Δ 154° 41' 30"

R-40

T-178.13

L-108.00

Δ 154° 41' 30" R

B.C. 22+03.04

D.G. & Loan So.

B.C. 22+03.04

154° 41' 30"

E.C. 23+11.04

E.C. 21+42.65

San Vicente Dam  
Ed. Loc.

King  
Shipman  
West

5-29-50

9

N 19° 30' W

F.C. 27+26.40

This is a k. length  
Δ 25° 48'  
R-170  
L-45.03  
T-26.40  
W.H.  
T=22.90

B.C. 26+41.37

Bider  
26+90

Ec 27+26.40

Biders

Rt. D to 70'

27+00-27+26

B.C. 26+41.37

N 6° 30' W

E.C. 23+77.95

Δ 8° 52' 30"

Δ 8° 52' 30"  
R-200'  
T-15.52  
L-30.98

B.C. 23+46.97

Δ 8° 52' 30"

Ec 23+77.95

B.C. 23+46.97

Ec 23+11.08

San Vicente Dam  
Rd Loc.

King  
Shipman  
West

5-29-50

10

N. 52° E

E.C. 28+48.86

A 72° 05' 30" R  
R-50  
T-36.55  
L-13.20

A 72° 53' 0" R

B.C. 27+85.66

Draw

A 72° 53' 0" R

E.C. 28+48.86

B.C. 27+85.66

E.C. 27+26.46

E.C. 27+26.46

San Vicente Dam  
Road - loc.

King  
Shipman  
West

5-29-50

11

N 77° 30' E

E.C. 3244221

24° 56' 30" L  
R-100'  
T-22.12  
L-43.53

N 24° 30' E

B.C. 3149868

Few Small Birds.  
D.g. & loam soil

N 24° 30' E  
E.C. 3244221

B.C. 3149868

28 MAY  
E.C. 3244221

2714886 E.C.

SAN VICENTE DAM  
Road Loc.

King  
Shipman  
West

5-31-50

12

N 37° 15' W

E.C. 35+76<sup>20</sup>

Δ 98° 41' 30"  
R-50  
T-58.22  
L-86.12

Δ 98° 41' 30" L

B.C. 34+9008

N 61° 03' E

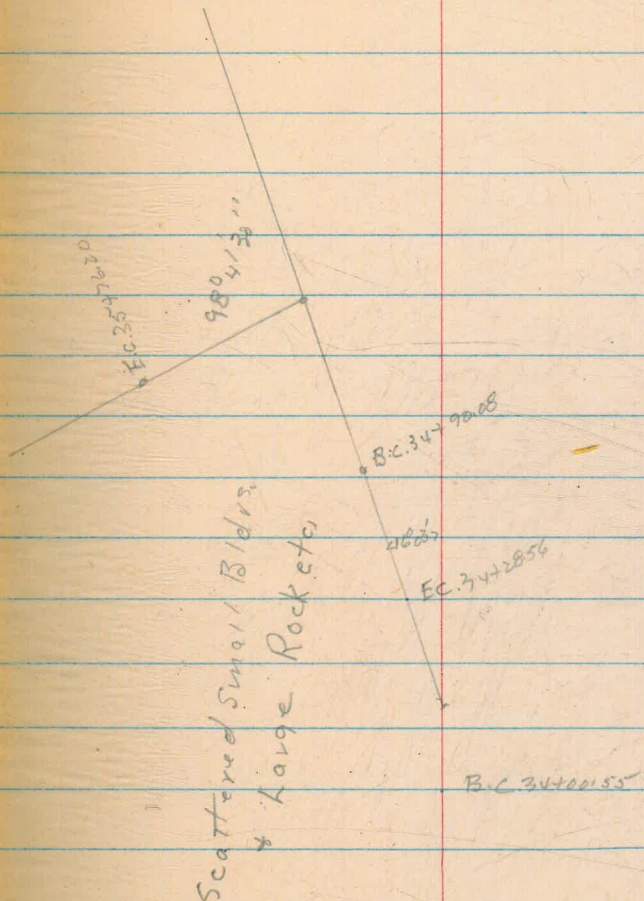
E.C. 34+2856

Δ 16° 08'  
R-100  
T-14.07  
L-28.01

Δ 16° 08' L

B.C. 34+0055

E.C. 32+4221



San Vicente Dam  
Road. loc.

King  
West  
Shipman

5-31-50

clear 13

N 67° 15' W

E.C. 3846248

25° 52'

R=100'

Δ 25° 52' L

T=2296

L=4575

B.C. 3847733

25° 52'  
E.C. 3846248

B.C. 3847733

N 41° 30' W

X 3646461

4° 23' LT. Top of Hill

A 4° 23' LT.  
3646461

E.C. 3547620

E.C. 3547620



San Vicente Dam  
Road Loc.

N31°45'W

Ec 41+02.72

75°20'

T-38.70

R-20'

L-25.74

675°20'R

B.C. 40+36.98

S73°15'W

Ec 40+09.98

Δ 39° 11'

R-100'

T-35.59

L-68.39

639°11'L

B.C. 39+41.59

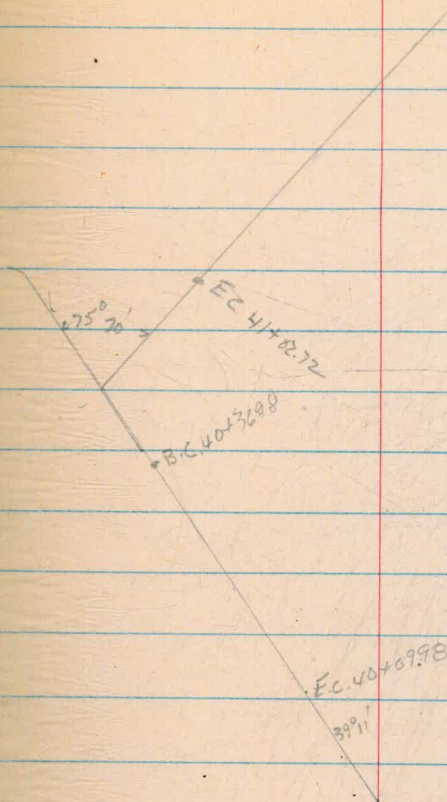
Ec 38+22.48

King  
Shipman  
West

5-31-52

Clear-Hot

14



Ec 40+09.98

39°11'

B.C. 39+41.59

Ec 38+22.48

San Vicente Dam  
Road Loc.

King  
Shipman  
West

5-31-50

clear-Hot

15

N 19° 45' W

E.C. 42496.18

S 29° 40' R

Δ 29° 40'  
R-100  
T-26.48  
L-51.78

B.C. 42444.40

F.C. 41202.72

29° 40'

E.C. 42496.18

B.C. 42444.40

F.C. 41202.72

San Vicente Dam  
Road-loc.

King  
West  
Shigmon

5-31-50

Clear-hot

18

N 22° 15' E

E. C. 44403.91

A 24° 32'

A 24° 32'

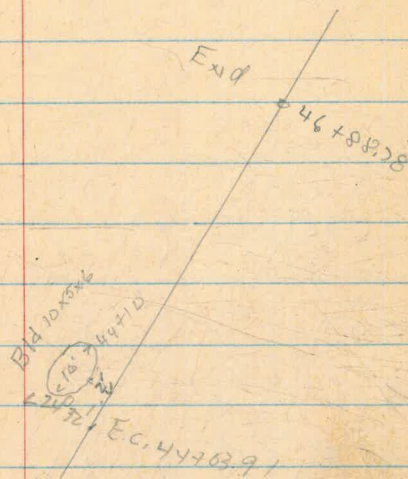
R = 120'

T = 21.74

L = 42.85

B. C. 43461.09

E. C. 42496.18



B. C. 43461.09

E. C. 42496.18

San Vicente Dam  
Rd. Loc. to Boat Pier West Dam.  
Profile

King  
Shipman &  
West.

6-1-50

Wetzel Level #5740

17.

B.M. 8.34 463.94 ✓ 455.60 459.5

Nail in P.P. across Pav. From City Camp

T.P. 4.14 460.18 ✓ 7.90 458.04 ✓

0+00 5.3 454.9

E Road

0+14 5.2 455.0

0+34 13.1 447.1

0+47 13.1 447.1

0+50 10.2 450.0

1+00 9.4 450.8

1+22 9.4 450.8

1+50 7.2 453.0

San Vicente Dam  
Rd.-Loc.

460.18 ✓

KING  
Shipman T  
West

6-1.50

18

Lt.

Pt.

2+00

1.4

458.8

T.P.

12.42

471.17 ✓

1.43

458.75 ✓

No. 1 2400

2+50

10.6

460.6

3+00

5.3

465.9

3+50

1.2

470.0

T.P.

12.82

482.94 ✓

1.05

470.12 ✓

B.C. 3+87.5

11.6

471.3

479.3

$\frac{35}{20}$

471.3

$\frac{116}{20}$

464.9

$\frac{180}{20}$

4+00

9.8

473.1

4+50

6.3

476.6

4+86.59 Ec

4.5

478.4

SAN VICENTE DAM  
Road loc

482.94 ✓

5+00

3.4

479.5

5+40

1.6

481.3

T.P.

12.80

494.20 ✓

482.43

1.54

481.40 ✓

469.63

5+50

13.3

480.9

5+83

Bottom Draw

14.3

479.9

6+00

11.2

483.0

6+23

7.3

486.9

6+50

4.3

489.9

6+77

1.2

493.0

7+06

1.3

492.9

RING  
SHIPMAN  
WEST

6-1-50

19

24.

R+

R 5+40-04 ROR

482.3

11.9  
26

479.9

4.3

475.9

18.3  
21

San Vicente Dam  
Rd. Loc. =

494.20 ✓

King  
Shipman X  
West

6-1-50

20.

Ec 7+16.95

1.0

493.2

T.P.

10.95

504.84 ✓

0.31

493.89 ✓

Top Stake - Ec

7+50

6.7

498.1

T.P.

11.43

515.85 ✓

0.42

504.42 ✓

7+80 - Rock c.

8+00

12.6

503.3

8+50

5.3

510.6

9+00

1.3

on Rock 514.6

9+00

5.2

" gr 510.7

9+50

6.5

509.4

T.P.

13.10

525.93 ✓

3.02

512.83 ✓

on Rock 5' Rt 9+85<sup>+</sup>

San Vicente Dam  
Rd. Loc

525.93 ✓

10+00

10.3

515.6

10+50

5.0

520.9

T.P.

12.76

536.84 ✓

1.79

524.14 ✓

11+00

9.9

526.9

11+50

3.4

533.4

11+54

5.6

531.2

11+57

10.4

526.4

11+70

9.9

526.9

BC. 11+73

5.8

531.0

T.P.

9.64

546.30 ✓

0.18

536.66 ✓

King  
Shipman  
West

6-1-50

27.524.9  
1.00  
20'

515.6

14.3

Rt. 507.0  
189  
20'

Rock 10+94 - 4' Rt.

on Rock - outcrop



San. Vicente Rd. Loc.

King  
Shipman  
West

6-1-50

clear-Hot

22

546.30 ✓

12+00

7.6

538.7

64 Rock

12+12

9.2

537.1

12+25

17.5

528.8

Bottom draw

12+36

17.6

528.7

12+31

13.3

533.0

12+50

9.7

536.6

12+67

10.0

536.3

12+77

4.8

541.5

13+00

1.8

544.5

T.P. 1229

557.80 ✓

0.79

545.51 ✓

Rock 13+05 - 3' 27

San Vicente Dam  
Rd. Loc.

King  
Shipman &  
West

6-1-50

Clear-Hot

23

557.80 ✓

24.556.5  
 $\frac{1.3}{20}$

549.2  
 $\frac{1.8}{1.6}$

74.540.0  
 $\frac{17.8}{20}$

13450

8.6

549.2 ✓

14400

5.7

552.1

T.P.

1284

564.74 ✓

5.90

551.90 ✓

ON Rock 13490<sup>2</sup>

14750

8.0

556.7

14773

4.4

560.3

15400

5.8

558.9

15441

4.3

560.4

Top Bank

15456

7.4

557.3

Bottom draw

T.P.

1256

575.78 ✓

1.52

553.22 ✓

Rock end

B.C. 15476<sup>74</sup>

8.0

567.8

Sauvicoite Dam  
Rd. Loc.

King  
Shipment  
West

6-1-50

clear-Hot

24

57578 ✓

16400 2.6 573.2

16435 3.1 572.7

16450 2.0 573.8

Top Edge Rockbank - down on Rt

T.B.M. 11.27 582.28 ✓ 4.77 576.01 ✓

on Rock - 76' Pt 16450

16476 5.3 577.0

16483 0.4 581.9

T.P. 12.86 594.70 ✓ 0.44 581.84 ✓

17100 7.9 586.8

171 8.5 586.2

1723 11.5 583.2

SAN VICENTE  
Rd Loc.

6-7-50

Hot

KING  
SHIPMAN  
WEST

25

594.70 ✓

17+33

10.5 584.2

17+50

2.3 592.4

T.P.

12.92

605.97 ✓

1.65 593.05 ✓

Rock 12' Lx 17+50

615.0  
~~597.0~~

604.3

592.0

18+00

1.7 604.3

+9.0  
20

1.7  
00

140  
20

changed to plus  
by Len King

18+50

5.8 600.2

18+7801 #H

18+1549 BR

6.1 599.9

19+00

7.9 598.1

19+50

13.1 592.9

T.P.

8.15

601.61 ✓

12.51 593.46 ✓

Rock - 19+51 ♀

19+66

10.5 591.1

San Vicente Dam  
Rd. Loc.

601.61 ✓

King  
Shipman  
West

6-7-50

26

19470 19.3 582.3

Bottom Draw

19490 16.0 585.6

20400 12.9 588.7

20405 13.3 588.3

20450 4.9 596.7

21460 2.5 599.1

T.P. 13.06 614.51 ✓ 0.16 601.45 ✓

Rock @ 21-21406+

21469 13.0 601.5

21472 11.0 603.5

21480 10.3 604.2

San Vicente Dem  
Rd. Location - Boat Pier

KING  
Shipman  
West

6-7-50

27

614.51 ✓

24

R+

22400

8.7

605.8

22425

7.1

607.4

22450

1.7

612.8

T.P.

12.31

625.50 ✓

1.32

613.19 ✓

Rock - 6' 24" - 22450

22475

5.1

620.4

T.P. 0

12.61

637.39 ✓

0.72

624.78 ✓

23400

10.9

626.5

23450

3.9

633.5

639.1

628.0

+1.7  
20'

9.4  
20'

T.P.

11.80

649.00 ✓

0.19

637.20 ✓

DN Nail EC 23477.20

24400

9.8

639.2

54x Vicente Dam  
Rd. Loc

KING  
Shipman  
West 6-7-58

28

649.00 ✓

24750 6.3 642.7

25705 3.3 645.7

25733 3.3 645.7

25742 6.9 642.1

25750 4.2 644.8

25764 0.1 648.9

T.P. 12.89 661.74 ✓ 0.15 648.85 ✓

Rock - 2' Rt 254674

26700 3.3 658.4

T.P. 12.97 673.24 ✓ 1.47 660.27 ✓

Rock - 2' Rt 25498

26750 10.4 662.8

5A+1 Vicente Rd  
hoc.

King 6-7-50  
Shipway  
West

29

673.24 ✓

26+81 6.3 668.9

27+00 3.8 669.4

27+24 3.2 670.0

27+50 6.1 667.1

27+8560 10.4 662.8

28+00 2.4 670.8

T.P. 12.98 685.62 ✓ 0.60 672.64 ✓

ON Rock @ 28+00

28+25 5.9 679.7

28+50 4.8 680.8

29+00 3.8 681.8



San Vicente Dam  
Rd. Loc.

King  
Shipman  
West

6-7-50

Hot

30

685.62 ✓

T.P.

12.85

697.34 ✓

1.13

684.49 ✓

Rock 29+33-5' Lt.

2 29+50

15.7

681.6

2 30+00

8.1

689.2

T.P.

12.37

709.19 ✓

0.52

696.82 ✓

Rock -13' R-30+50

30+50

9.3

699.9

2 30+76

3.1

706.1

31+00

1.1

708.1

2 T.P.

12.32

721.42 ✓

0.09

709.10 ✓

2 31+50

10.5

710.9

2 32+00

0.9

2.3

720.5

SAN VICENTE DAN  
Rd. Loc.

721.42 ✓

T.P. 12.57 733.99 0.00 721.42 ✓

32+50 8.6 725.4

33+00 9.7 724.3

33+50 3.5 730.5

T.P. 13.01 746.93 ✓ 0.07 733.92 ✓

33+80 16.1 730.8

34+00 12.7 734.2

34+25 9.3 737.6

34+50 8.7 738.2

35+00 3.2 743.7

King  
Shipman  
West

6-7-50

36.

Lt

R+

Rock 31+93 - ~~2~~ 2' 14" ♂

$\frac{733.5}{0.5}$   
70

725.4  
8.6

717.4  
 $\frac{16.6}{20}$

Rock 5' Lt 33+43

San Vicente Dam  
Rd. Loc.

King  
West  
Shipman

6-2-50

32.

74693 ✓

T.P. 12.83 757.77 ✓ 1.99 744.94 ✓

Rock 5' Lt 75700

35725 10.1 747.7

35750 5.4 752.4

35776<sup>20</sup> 2.8 755.0

T.P. 11.82 768.02 ✓ 1.57 756.20 ✓

Rock 10' Rt-EC

36+00 11.0 757.0

36+50 6.2 761.8

A 36+64.61 5.2 762.8 ✓

Top H. 11

B.m. 0.47 767.61 ✓ 0.88 767.14 ✓

Set B.m. 50' Rt 36+68

37+06 4.5 763.1 ✓

		747.61 <sup>✓</sup>			
3740			8.0	759.6	
3750			10.6	757.0	
T.P.	4.40	759.02 <sup>✓</sup>	12.99	754.62 <sup>✓</sup>	Rock-37463 C
3800			4.4	754.6	
3818			3.5	755.5	
3850			4.5	754.5	
T.P.	1.56	747.60 <sup>✓</sup>	12.98	746.64 <sup>✓</sup>	Rock 4' 24 38496
390			2.2	745.4	
3950			5.2	742.4	
4000			8.1	739.5	

747.60 ✓

L+

R+

40402

10.1 737.5

T.P.

1.24

736.52 ✓

12.32 735.20 ✓

Rock 404122R

40436

4.5 732.0

733.7

40450

6.2 730.3

$\frac{2.8}{20}$

730.3  
 $\frac{0.2}{0}$

727.5  
 $\frac{9.0}{20}$

40475

8.8 727.7

41400

12.7 723.8

T.P.

0.72

724.85 ✓

12.39 724.13 ✓

41456

7.4 717.5

412406

12.1 712.8

T.P.

2.56

716.01 ✓

11.40 713.45 ✓

Top stake 42200

716.01 ✓

L+

R+

42+25 6.2 709.8

42+50 5.7 710.3

43+00 6.6 709.4

T.P. 0.42 706.54 ✓ 9.85 706.16 ✓

705.5

700.4

695.4

43+50 6.2 700.4

$\frac{11}{20}$

$\frac{63}{20}$

$\frac{112}{20}$

44+00 8.6 698.0

T.P. 0.92 695.64 ✓ 11.86 694.72 ✓

44+50 3.2 692.4

44+64 4.7 690.9

44+82 9.9 685.7

		695.64 ✓		
45+00			11.9	683.7
T.P.	0.35	683.38 ✓	12.61	683.03 ✓
45+50			6.0	677.4
46+00			10.3	673.1
T.P.	0.56	670.95 ✓	12.99	670.39 ✓
46+50			2.6	668.4
46+88 <sup>28</sup>			6.97	663.98 ✓
T.B.M.	1.36	660.89 ✓	11.42	659.53 ✓
T.P.	1.12	648.99 ✓	13.02	647.87 ✓
T.P.	0.69	636.63 ✓	13.05	635.94 ✓
T.P.	2.94	626.83 ✓	12.74	623.89 ✓
			9.30	617.53 ✓
T.B.M.			2.22	624.61 ✓

Rock 5' at 46+35

Sp. K. End

ON Rock - Antenna 40 - old trail

Ede Water - 6-8-50 - 1.45 P.M. - 617.60

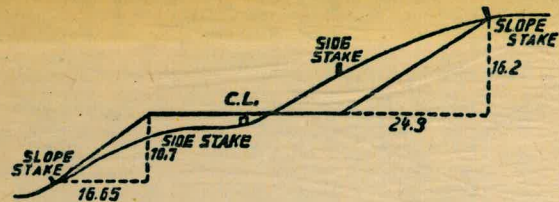
ON Rock - King

455.60 U.S.G.S

158.34 - water - low

460 - U.S.G.S

157.80 - 6-5



**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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