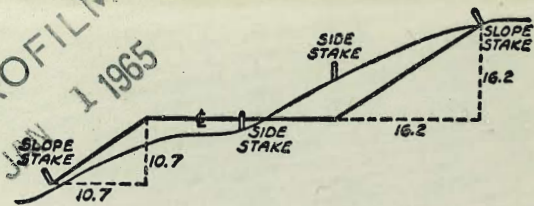


MICROFILMED
JUN 1 1965



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 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.

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	.89	.99	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	.266	.353	.440	.528	.617	.707	.797	.877	.971	1.07	1.18	1.29
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

0

Sunset Cliffs Blvd., proposed alignment 1
from West Point Loma Blvd. to
New Bridge

X-sec. Sunset Cliffs Blvd., W. Pt. Loma 6
to new Sunset Cliffs Blvd. Bridge

X Sec Sunset Cliffs Blvd ^{Mission Bay B.M.}
13-
30-34
35
alignment - north roadway

Survey Portion Lots 2-3 Block D Home Gardens 52

Alignment San Sct Cliffs Blvd Ext / Habaska Interchange 53-58

Re Cross Sec Sunset Cliffs Ext Sta 10+0 to 28+0 59-64

Cross Sec Habaska Dr. Ext. West Point Loma to Bridge 65-7

Proposed Alignment

SUNSET CLIFFS BLVD.
from West Point Loma Blvd.

To New Bridge W.O. 22039

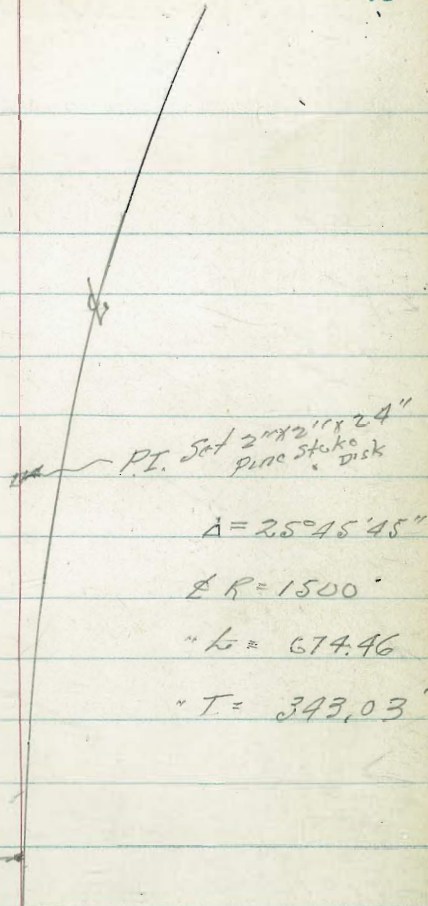
Walker
Pope
Clerk
Huffman 8-15-51
For Cross Sections see P. 6-13

Stations

8+00	8° 30.7'	
+50	7° 33.40'	
7+00	6° 36.1'	
+50	5° 38.81'	
6+00	4° 41.5'	$\Delta 25^{\circ}45'45''$
+50	3° 44.22'	$E R = 1500'$ $" L = 674.46'$
5+00	2° 46.9'	$" T = 343.03$
4+50	1° 49.63'	$D = 1.1459$
4+00	0° 52.33'	

3+54.34 = B.C. Pt.

see Grade Book 299
pg 2-7 for ties
after comt.

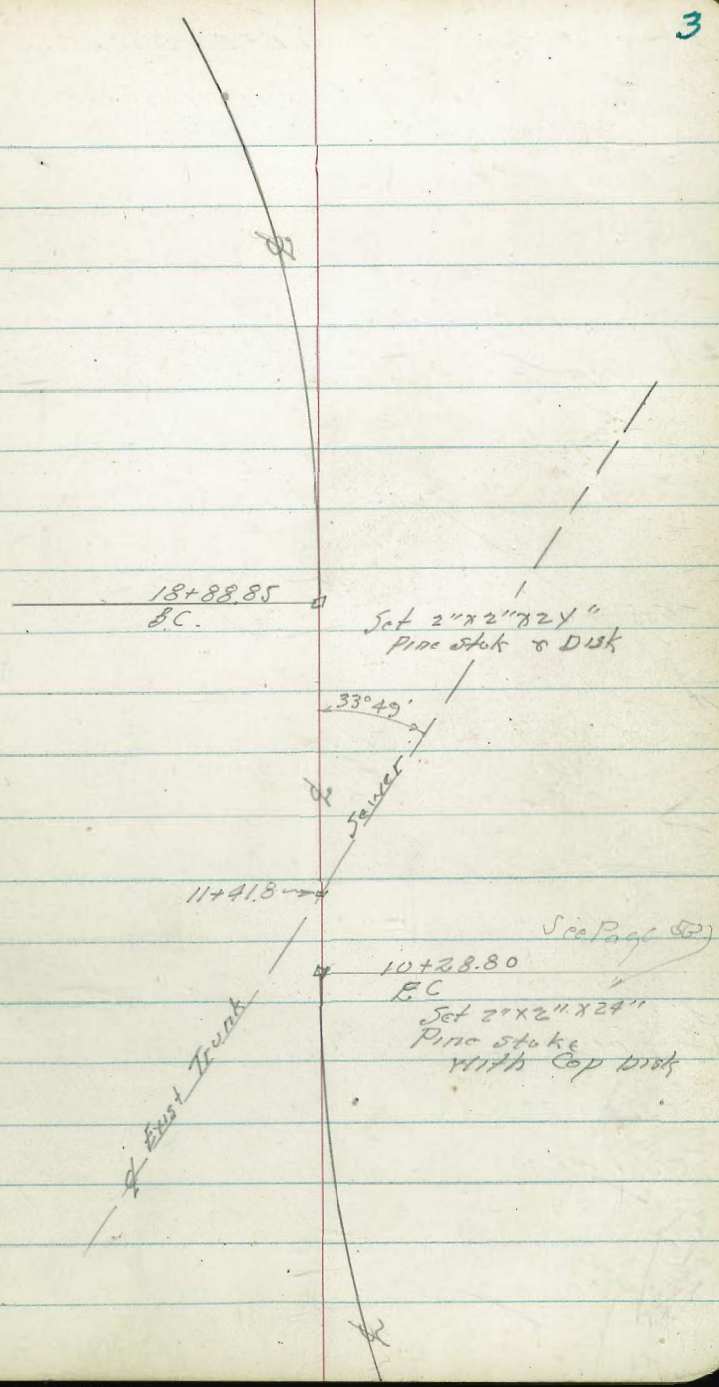


set 2"x2"x24"
Pine Stake
With Cop. Disk

16773
prop. in 1

SUNSET CLIFFS BLVD.

Stations	def. Δ	
20+00	2° 07.37'	Δ 32° 24' 10"
		R = 1500'
+50	1° 10.07'	T = 435.83'
		L = 848.30'
19+00	0° 12.78'	
18+88.85		
18+87.80 = B.C. Lt.	Used Punch in Disc. Line Pl. to Pl.	
11+41.8 = Int. Exist. Trunk Sewer		
10+28.80 = E.C. 12° 52' 875"		
10+00	12° 19.9'	
9+50	11° 22.58'	
9+00	10° 25.3'	
8+50	9° 28'	



SUNSET CLIFFS BLVD.

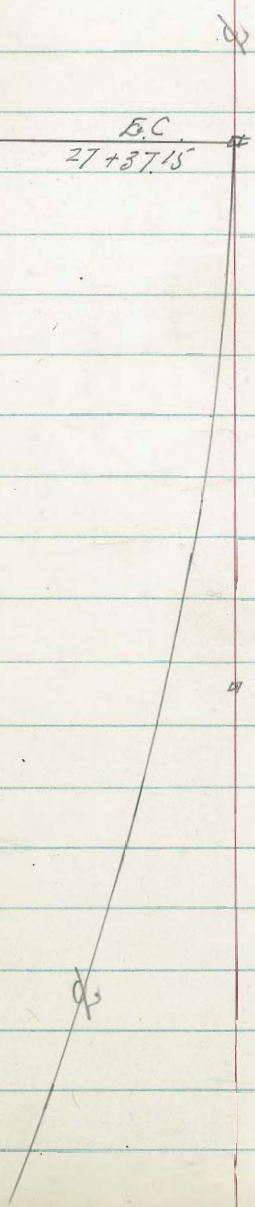
Proposed Alignment

27 + 37.15	EC 16° 12.08'
27 + 00	15° 29.5'
+50	14° 32.20'
26 + 00	13° 34.91'
+50	12° 37.61'
25 + 00	11° 40.32'
+50	10° 43.02'
24 + 00	9° 45.73'
+50	8° 48.43'
23 + 00	7° 51.14'
+50	6° 53.84'
22 + 00	5° 56.55'
+50	4° 59.25'
21 + 00	4° 01.96'
20 + 50	3° 04.66'

EC
27 + 37.15

Set 2" x 2" x 24"
Pine Stake & Cop. Disk

P.I. Set 2" x 2" x 24"
Pine Stake &
Cop. Disk



SUNSET CLIFFS BLVD.

Proposed Alignment

29+97.2 = P.O.T. Fd. Stake

29+97.2
Fd. Reference Stake
To L Bridge

L Bridge
Under Const.

L Proposed Road

CROSS SECTIONS
SUNSET CLIFFS BLVD. EXT.
(Alignment Pages 1-5)

Walker
Pope
Clark
Huffman
8-16-51
NO 22039

T.P. 340 27.64 390 24.24

0+18.7 = Int. Gut. Line Cont.

Pages 6-13
Cutwood by A.B.S.

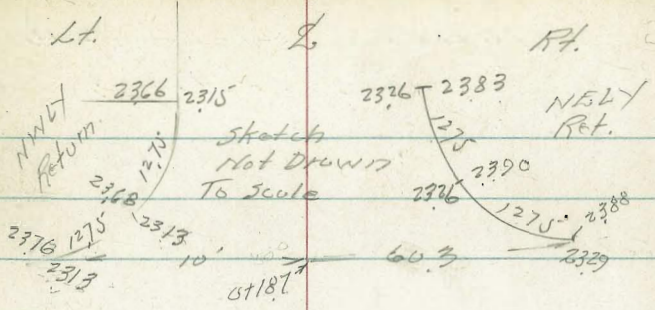
Int.
0+18.7 = N. Gut.
0+18 13.5' Lt. & 3' Fan Polym
23.23 22.60
4.91 5.54
75 75
Cb Gut

0+05.46 = N 1/4

0-08.17 = West Pt. Loma Blvd.

0-36 Note all sections this Int. Parallel to
West Pt. Loma Blvd.
E.C. Return

390 28.14 29.24



INDEXED
AUG 17 1951

Table of cross-section data with columns for stationing, elevations, and material types (e.g., Gut., Cb., Pav., E.C. Ret.).

B.M. SW. P.P. W. Pt. Loma & Sunset Cliffs Blvd

JUNSET CLIFFS BLVD

Cross Sections

Lt.

R

Rt.

7

2+00

10.6	10.8	14.3	16.1	16.5	11.8	11.9
10.6	10.4	4.9	5.1	4.7	7.4	9.3
80	25	16		35	42	80

1+50

10.4	10.7	17.2	17.4	17.3	15.9	14.5
10.8	10.5	4.0	3.8	3.9	5.4	4.7
80	31	21		30	44	80

1+22 = Pole Anchor 24' Lt.

1+05 = Pole 24' Lt P-2354

1+00

14.6	14.8	14.0	20.1	20.2	20.4	19.2	21.2
6.6	6.4	5.2	1.1	1.0	0.8	2.0	0.0
64	60	25	17	21.16	30	40	80

at
81d
Abandoned
crossing

TR 0.97

2116

745

2019

0+50

sec at Rt A

8.0	7.5	6.4	4.1	4.3	4.4	3.8
80	60	25	15		40	50

0+69 = Pole Anchor 35' Rt

3.4
95.0

0+33.78 = New Prop. diag Sec

48 = Pole Anchor

23.3	23.73	23.77	23.34	23.90	23.99
4.3	3.91	3.87	4.30	3.74	3.65
50	5	Walk	Walk	21	41.6
			see sketch	For	Walk

0+44.5

37.5' Rt = Pole #2301

27.64

27.64

SUNSET CLIFFS BLVD.

Cross Sections

6+00

4.5 80	10.6	4.8 50	10.3	4.6	10.5	3.7 65	11.4	4.6 80	10.5
-----------	------	-----------	------	-----	------	-----------	------	-----------	------

5+00

5.0 80	10.1	4.6 50	10.5	5.0	10.1	4.5 16	10.6	2.8 24	12.3	1.4 80	13.7
-----------	------	-----------	------	-----	------	-----------	------	-----------	------	-----------	------

15.09

on Hub 4104.24 Post.

TR 4.98 15.09 11.95 10.11

4+00

11.1 80	10.1	11.1	10.1	10.7 15	10.4	8.0 32	13.2	6.1 80	15.1
------------	------	------	------	------------	------	-----------	------	-----------	------

3+60

Sec 17 Sand, from here on

11.0 80	10.8	11.3	9.9	10.4 12	10.8	7.4 24	13.8	6.2 80	15.0
------------	------	------	-----	------------	------	-----------	------	-----------	------

3+54.34 = B.C. RA

11.0 80	12.8	11.2 14	10.0	8.8 8	12.4	8.8 Average	18.4	7.4 24	13.5	6.2 80	15.0
------------	------	------------	------	----------	------	----------------	------	-----------	------	-----------	------

3+00

10.7 80	10.5	10.6 18	10.6	6.7 12	14.5	6.7	14.5	5.0 43	16.2	7.5 48	13.7	7.0 80	14.2
------------	------	------------	------	-----------	------	-----	------	-----------	------	-----------	------	-----------	------

21.16

21.16

SUNSET CLIFFS BLVD

Cross Sections

T.P. 1.74 12.06 4.77 10.32

10+00

Lt. 2 Rt. 3
 $\frac{4.1}{80}$ $\frac{4.4}{50}$ $\frac{3.9}{11.2}$ $\frac{4.0}{60}$ $\frac{4.8}{80}$

9+00

$\frac{3.7}{80}$ $\frac{3.4}{50}$ $\frac{4.2}{10.9}$ $\frac{3.9}{30}$ $\frac{4.8}{80}$

8+50

$\frac{5.5}{80}$ $\frac{5.3}{50}$ $\frac{3.6}{20}$ $\frac{3.6}{11.5}$ $\frac{4.5}{36}$ $\frac{4.2}{80}$

8+00

$\frac{5.4}{80}$ $\frac{5.4}{50}$ $\frac{3.6}{11.5}$ $\frac{3.5}{20}$ $\frac{4.7}{50}$ $\frac{4.4}{80}$

7+50

$\frac{5.5}{80}$ $\frac{4.8}{50}$ $\frac{5.0}{10.1}$ $\frac{3.5}{33}$ $\frac{4.5}{50}$ $\frac{5.4}{80}$

on P.I. Hub.

513 996

7+00

15.09

$\frac{5.3}{50}$ $\frac{5.3}{50}$ $\frac{4.7}{15.09}$ $\frac{4.4}{50}$ $\frac{5.3}{80}$

SUNSET CLIFFS BLVD
Cross Sections

10

14+00

1.6
4.5
80

1.2
4.9

6.8
5.3
80

13+00

1.2
4.9
80

1.2
4.9

6.9
5.2
80

12+00

6.8
5.3
80

6.8
5.3

6.6
5.5

11+55

1.8
4.3

6.4
5.7

6.5
5.6
80

11+00

10.4
1.7
80

1.9
4.2

6.6
5.5
80

10+28.8

11.0
1.1
80

10.3
1.8

9.6
8.5
80

12.06

SUNSET CLIFFS BLVD - Cross Sections

21+00

20+00

19+00

18+88.85 = 85 on 4 H. b 4.84 7.58

18+00

17+00

TP 4.77 12.42 4.91 7.65

16+00

15+00

12.06

1.2
5.2
80

4.5
4.9
80

8.3
4.1
80

8.7
3.7
80

8.4
4.0
80

8.3
3.8
80

1.7
4.4
80

6.1
5.7

1.0
5.4

1.4
5.0

8.0
4.4

1.8
4.6
12.42

1.6
4.5

1.1
5.0

12.06

6.2
6.2
80

6.5
5.9
80

6.8
5.6
80

1.2
5.2
80

1.2
5.2
80

6.9
5.2
80

6.7
5.4
80

SUNSET CLIFFS Blvd X-Sections

Hub

T.P. 516 1420 409 974

27+00

9.4
4.4
80

9.0
4.8

7.6
6.2
80

26+00

8.5
5.3
80

8.5
5.3

6.9
6.7

25+00

8.2
5.6
80

9.1
4.1
30

8.5
5.3

6.1
7.7
80

24+00

1.5
6.3
80

9.6
4.2
30

8.3
5.5

6.0
7.8
80

23+00

1.6
6.2
80

9.1
4.7
30

8.5
5.3

5.9
7.9
80

13.83

T.P. 684 1383 543 699

22+00

12.42

1.0
5.4
80

6.3
6.1

12.42

5.8
6.6
80

SUNSET CLIFFS BLVD. Etern

H. L.

Mission Bay BM = 1246
12.50

→ Please Chk. C.R. O.E.S. 11-13-51
With Mission Bay Eng.

INDEXED

land
AUG 17 1951

Top NW Cor Box Culvert 9.01
Chk Mission Bay BM. 1141 3.49
at Bridge
150 + Rt off Bridge

Stake = Broken - Rough Grade Stake → 22.07 = Stake → Marked 22.07
21.96
19.5 12.95
9.51

Pages 13 to 23
returned by O.E.S.

29+97.2 Sec Parallel to Dyke

10.3
4.6
100
10.3
4.17
on
Hub.
10.3
4.6
100

29+60 Approx Parallel to Dyke
Sec. 55° to Rt of Fwd Turn

10.6
4.3
80
10.9
4.0
100
9.1
5.2
100

29+30

10.3
4.6
80
10.1
4.2
20
9.4
5.5
9.3
5.5
80

29+00

10.3
4.6
80
10.1
4.8
9.1
5.8
80

28+00

10.7
4.2
80
9.0
5.9
7.8
7.1
80

1490

1490

Cross Section Sunset Cliff Blvd. Extension

Sketch Page 1 Also 24

Nov. 7. 51 Lt.

R. J. Simon
Rorer
Fritz

2

Rt.

14

+50

10.5 10.3 10.5 15.8 15.9 17.0 17.4 14.1 13.0
8.9 9.1 8.9 36. 3.5 2.4 2.0 5.3 6.1
80 85 87 19 17 21 26 80

2 + 0

10.5 10.3 10.1 16.5 12.3 17.4 16.3 12.1 12.3
8.9 9.1 8.7 29 3.1 2.0 2.1 7.3 7.1
80 80 87 16 18 24 42 80

TP

3.20 1937 10.00 16.07

19.37

+50

10.4 10.6 10.7 18.1 19.8 18.3 17.2 15.8 16.0 16.3
15.7 15.5 15.4 8.0 6.3 7.8 8.9 10.3 10.1 9.8
80 85 83 21 18 31 45 70 80

1 + 0

15.1 15.2 16.5 20.0 20.2 20.4 19.2 20.1 21.0
11.0 10.9 9.6 6.1 5.9 5.7 6.9 6.0 5.1
13.4 15.0 26 17 30 30 85 80
G. H. G. G. G.

+50

19.9 20.3 20.6 21.3 23.8 23.4 23.3 23.5 23.9
6.7 5.8 5.5 4.8 2.2 2.7 2.8 3.6 2.7
80 82 80 83 83 20 83 80

0 + 33.78 = N.Y. West Point Lane Blvd. Taken 90°

21.5 21.8 21.8 22.5 23.8 23.77 23.19 23.21 23.28 23.15 23.29
4.6 4.3 4.3 3.6 2.3 2.0 2.3 2.8 2.7 2.9 2.7
80 80 86 12 5 20 23 25 21 21 21 21
S. H. B. P.
Sunset Cliff Blvd.
West Point Lane

B.M

1.83 26.07

24.24

26.07

Lt.

L

Ht.

TP 4.64 15.30 8.71 10.66

5+0

9.3	9.4	8.8	9.3	8.6	6.8	5.8	5.7
80.	86.	30.	15.	27.	80.	80.	80.
10.1	10.0	10.6	10.1	10.8	12.6	13.6	13.7

+50

9.1	9.2	8.9	9.1	8.9	5.9	5.7	5.6
80.	80.	30.	14.	32.	80.	80.	80.
10.3	10.2	10.5	9.8	10.5	13.5	13.1	13.8

4+0

9.1	9.0	8.5	9.4	8.7	6.1	5.1	4.7
80.	80.	35.	16.	33.	80.	80.	80.
10.3	10.4	10.9	10.0	10.7	13.3	14.3	14.7

+60

9.1	9.1	9.2	9.3	8.9	5.8	5.6	4.6
80.	80.	20.	12.	26.	50.	80.	80.
10.3	10.3	10.8	12.1	10.5	13.6	13.8	14.8

+5434 BCRT

9.0	9.0	9.1	8.8	5.3	5.3	5.2	5.6	4.5
80.	40.	15.	8.	12.	27.	40.	80.	80.
10.4	10.4	10.0	14.6	14.1	13.6	14.1	13.8	14.9

3+0

9.0	8.8	8.4	4.5	4.9	8.7	5.5	5.6	5.6
80.	40.	18.	11.	17.	18.	42.	47.	80.
10.4	10.6	11.0	14.9	14.5	15.7	15.9	13.8	13.8

1937

1937

Lt.

Z

Rt.

16

750

9.6	9.9	10.8		11.6	10.6	11.1	11.0
57/80	55/80	45/30	37	17/30	42/80	43/80	

810

9.9	9.7	10.1		11.5	12.0	10.4	10.6
55/80	56/80	52/30	38	23/16	19/50	47/80	

750

9.4	10.0	10.1		10.2	11.4	10.3	9.7
59/80	53/80	57/30	57	39/60	50/80	56/80	

740

10.6	9.9	10.3		10.3	10.5	10.3	9.7
47/80	54/80	50/30	50	48/60	50/80	56/80	

750

10.8	9.7	10.4		10.3	10.3	11.0	10.3
45/80	57/80	49/30	50	50/60	43/80	50/80	

640

10.8	10.5	10.4		10.5	10.2	11.3	10.6
41/80	48/80	49/30	48	51/30	40/87	48/80	

5450

9.8	9.8	11.0		10.9	11.1	12.0	11.9
54/80	55/80	43/30	44	42/60	50/80	52/80	

15.30

15.30

Sunset Cliffs Blvd. Extension

H.

Z

H.

17

1140

10.6
0.9
80

9.9
1.6
80

9.3
2.2
30

2.7
2.9

6.6
4.9
30

6.3
5.7
80

6.3
5.7
80

+50

10.6
0.9
80

10.7
0.8
80

9.7
1.8
30

8.9
2.6

8.3
5.2
30

8.7
3.8
80

8.7
2.8
80

+28.80 = FC

10.5
1.0
80

10.7
0.8
80

10.8
0.7
30

10.4
1.1

9.3
2.2
30

10.0
1.5
80

9.6
1.9
80

TP

1.15

11.46

4.99

10.31

0.7 Hub

10.28.80 FC

11.46.

1040

11.0
1.3
80

11.0
1.3
80

10.6
1.7
30

11.2
4.1

10.8
1.5
30

10.9
1.7
80

10.5
1.8
80

+50

10.7
1.6
80

11.4
3.9
80

11.3
4.0
30

10.9
1.4

11.5
3.8
30

10.6
4.7
80

10.1
5.2
80

940

11.3
4.0
80

11.8
3.5
80

11.6
3.7
30

11.0
4.3

11.5
3.8
30

10.8
4.5
80

10.1
5.2
80

1530.

15.30.

L

L

AT

18

14+0

$\frac{4.5}{80}$	$\frac{4.3}{80}$	$\frac{4.1}{36}$	$\frac{4.4}{80}$	$\frac{4.5}{30}$	$\frac{4.6}{80}$	$\frac{4.7}{80}$
2.0	2.2	2.1	2.1	2.0	1.9	1.8

+50

$\frac{4.3}{80}$	$\frac{4.3}{60}$	$\frac{4.5}{43}$	$\frac{5.0}{30}$	$\frac{4.5}{80}$	$\frac{4.4}{30}$	$\frac{4.4}{80}$	$\frac{4.6}{80}$
2.2	2.2	2.3	2.5	2.0	2.1	2.1	1.9

13+0

$\frac{4.4}{80}$	$\frac{4.5}{80}$	$\frac{4.4}{36}$	$\frac{4.4}{80}$	$\frac{4.6}{30}$	$\frac{4.6}{80}$	$\frac{4.7}{80}$
2.1	2.0	2.1	2.1	1.9	1.9	1.8

+50

$\frac{4.6}{80}$	$\frac{4.6}{80}$	$\frac{4.6}{30}$	$\frac{4.5}{80}$	$\frac{4.6}{30}$	$\frac{5.0}{80}$	$\frac{4.6}{80}$
1.9	1.9	1.9	2.0	1.9	1.5	1.9

12+0

$\frac{4.7}{80}$	$\frac{4.8}{80}$	$\frac{4.8}{30}$	$\frac{4.8}{80}$	$\frac{4.7}{30}$	$\frac{4.8}{80}$	$\frac{5.0}{80}$
1.8	1.7	1.7	1.7	1.8	1.7	1.5

11+50

$\frac{5.5}{80}$	$\frac{3.2}{80}$	$\frac{3.4}{30}$	$\frac{4.5}{80}$	$\frac{5.5}{22}$	$\frac{1.9}{50}$	$\frac{5.7}{80}$
1.9	1.3	1.1	1.9	1.0	1.6	1.5

11.46

11.46

Nov. 8-51

Lt.

L

Rt

19

17+0

4.9 80	10.8 60	11.8 30	11.7	11.5 30	11.2 60	11.0 90
-----------	------------	------------	------	------------	------------	------------

7+50

4.1 80	4.2 60	4.5 30	4.7	4.8 30	5.1 60	5.1 80
-----------	-----------	-----------	-----	-----------	-----------	-----------

16+0

2.9 80	4.1 60	4.5 30	5.0	5.1 30	5.3 60	5.5 80
-----------	-----------	-----------	-----	-----------	-----------	-----------

7+50

4.5 80	4.8 60	4.8 30	5.0	5.4 30	5.5 60	5.6 80
-----------	-----------	-----------	-----	-----------	-----------	-----------

BM

1.49

12.19

0.76

10.70

x 0.75
M.H. Rm

190Rt 147.25

12.19

15+0

4.1 80	4.7 60	4.5 30	4.5	4.7 30	4.9 60	4.9 80
-----------	-----------	-----------	-----	-----------	-----------	-----------

14+50

4.1 80	4.3 60	4.1 30	4.6	4.7 30	4.7 60	4.7 80
-----------	-----------	-----------	-----	-----------	-----------	-----------

11.46

11.46

Sunset Cliff Blvd. Extension

Lt.

S

Rt.

20

20+0

2.8 80	2.9 80	4.1 30	4.3 30	4.5 30	4.6 80	4.8 90	5.1 30
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

+50

3.6 80	3.7 80	3.5 30	3.9 30	4.2 30	4.4 80	4.6 90	4.8 30
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

19+0

3.1 80	3.3 80	3.7 30	3.8 30	4.0 30	4.2 50	4.6 100	4.6 30
-----------	-----------	-----------	-----------	-----------	-----------	------------	-----------

TP

3.76

1124

4.71

7.48

07 2 Hub
18-88 85
7.58
Page 11

11.24

+50

3.8 80	4.0 80	4.3 30	4.5 30	4.8 30	5.2 80	5.4 100	6.0
-----------	-----------	-----------	-----------	-----------	-----------	------------	-----

18+0

3.6 80	3.8 80	4.2 30	4.3 30	4.8 30	5.1 80	5.2 90	7.0
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----

17+50

3.9 80	4.0 80	4.2 30	4.5 30	4.7 30	5.1 80	5.3 90	6.9
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----

12.19

12.19

L

S

R

21

23+0

1.8	8.5	9.2	8.5	1.1	6.4	5.5	5.1
3.4	2.7	3.0	2.7	3.8	4.8	5.7	6.1
80.	80.	80.	80.	30.	80.	90.	120.

+ 50

1.4	7.9	8.2	7.2	5.7	5.2	5.6	5.4
3.0	3.3	3.0	4.0	5.5	6.0	5.6	5.8
80.	80.	80.	80.	30.	80.	90.	120.

22+0

6.4	6.2	6.0	6.2	6.0	5.7	5.7	5.6
1.8	5.0	5.7	5.0	5.7	5.5	5.5	5.6
80.	80.	30.	80.	30.	80.	90.	120.

+ 50

6.9	6.8	6.5	6.4	6.3	6.0	5.8	5.7
1.3	1.1	1.7	1.8	1.9	5.2	5.4	5.5
80.	80.	30.	80.	30.	80.	90.	120.

21+0

6.8	6.8	6.8	6.6	6.5	6.2	6.0	5.9
1.1	1.1	1.1	4.6	4.7	5.0	5.7	5.3
80.	80.	30.	80.	30.	80.	90.	120.

20+50

7.0	7.0	6.9	6.8	6.6	6.3	6.1	5.9
1.7	1.6	1.3	1.4	1.6	1.9	5.1	5.3
80.	80.	30.	80.	30.	80.	90.	120.

11.24.

11.24.

Lt. Lt. Pt.

+50

4.2 80	9.1	4.0 80	9.9	4.7 30	8.6	4.1 30	8.9	5.1 30	8.2	5.8 80	7.5	6.0 80	7.3
-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----

26+0

5.0 80	8.3	4.7 80	8.6	4.2 30	9.1	4.8 30	X	5.7 30	7.6	6.3 80	7.0	6.8 90	6.6
-----------	-----	-----------	-----	-----------	-----	-----------	---	-----------	-----	-----------	-----	-----------	-----

+50

5.2 80	8.1	4.6 80	8.7	4.1 30	9.2	5.0 30	8.3	6.1 30	7.2	6.6 80	6.1	7.1 90	5.9
-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----

TP 6.27 12.28 4.23

7.01 on 2. Hub
2413687EG
Rt Lane

13.28.

25+0

3.1 80	7.8	4.7 80	8.5	3.9 30	9.3	4.7 30	8.5	4.6 30	6.6	5.1 80	6.1	5.6 90	5.4
-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----

+50

3.1 80	7.8	3.8 80	8.4	3.9 30	9.3	4.5 30	8.6	4.0 30	7.2	5.1 80	6.1	5.7 90	5.6
-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----

24+0

3.6 80	7.6	3.7 80	8.1	3.9 30	9.3	4.2 30	8.3	4.1 30	7.1	5.1 80	6.1	5.6 90	6.1 120
-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	------------

23+50

3.4 80	7.8	3.7 80	8.5	3.6 30	9.6	4.8 30	8.4	4.1 30	7.1	5.0 80	6.2	5.8 90	5.1 120
-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	-----	-----------	------------

11.24.

11.24.

BM

9.78

2.50

CHISEL DMM
TOP BOX CIVIL
150 RTH BRIDGE
PAGE 13
3.45
MISSION BAY

+97.2

10.7
2.54
0.74
11.1
2.2
3.3
9.9
9.9
10.3
3.0
8.0

+50

10.0
3.3
7.8
10.0
3.1
6.9
11.0
2.3
8.3
10.6
2.7
3.0
9.5
3.7
6.0
9.0
4.0
8.0
9.7
3.6
8.0

29+0

2.1
3.1
7.8
10.2
3.0
6.0
10.0
3.4
6.0
9.9
2.8
3.0
10.0
3.0
6.0
8.5
4.8
8.0
8.4
4.9
8.0

+50

5.7
8.6
7.6
3.4
7.1
9.9
3.4
6.0
9.9
2.4
6.0
9.9
3.2
6.1
10.0
3.0
6.0
8.2
5.1
8.0
8.2
5.1
8.0

28+0

7.6
2.7
8.0
10.0
3.3
6.0
9.7
3.6
6.0
9.4
3.9
6.0
9.4
3.7
6.0
8.6
4.7
6.0
7.5
5.5
8.0
8.4
1.9
8.0

+50

1.0
4.2
8.0
9.2
1.1
6.0
9.4
3.4
6.0
9.4
1.0
6.0
9.4
1.0
6.0
8.9
4.4
6.0
8.3
5.0
6.0
7.8
5.5
8.0

27+0

9.5
1.0
8.0
9.5
2.8
6.0
9.5
3.5
6.0
9.5
1.0
6.0
9.5
1.0
6.0
8.2
4.5
6.0
7.5
5.5
6.0
7.5
5.5
8.0

13.28

13.28

Alignment Sunset Cliffs Boulevard Extension
 Right Lane Ft. Habaska Drive.

+11.79 FC	3° 55.50'	A 7° 51'
17+0	3° 42.01'	LR 15.02'
		T 103.05'
+50	2° 44.79'	L 205.79'
		D 1.1444
16+0	1° 47.57'	
+50	0° 50.25'	
15+06.00 BC RT		

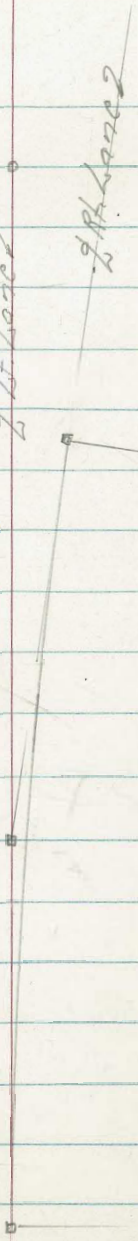
18+88.85 B.C. Lt.
 Lt. Lane

2 Lt. Lane

2 Rt. Lane

17+11.79 FC.
 Rt. Lane

15+06.00 B.C. RT
 Rt. Lane



2340

14° 30.28'

+50

12° 27.15'

Δ 40° 14' 40"

2240

10° 24.02'

R 198'

T 255.74' ✓

+50

8° 20.89'

L 490.27' ✓

D 246.26'

2140

6° 17.76'

+50

4° 14.63'

2040

2° 11.50'

19+46.6° BC Lt.

19+46.6° BC
Rt. Lane18+88.85 BC Lt.
Lt. LaneLeft Lane
2Right Lane
2

24+36.87 FC
Rt. Lane

~~Left Lane~~

~~Rt. Lane~~

871.28
151.28

Pl. Rt. Lane

+36.87 F.C.

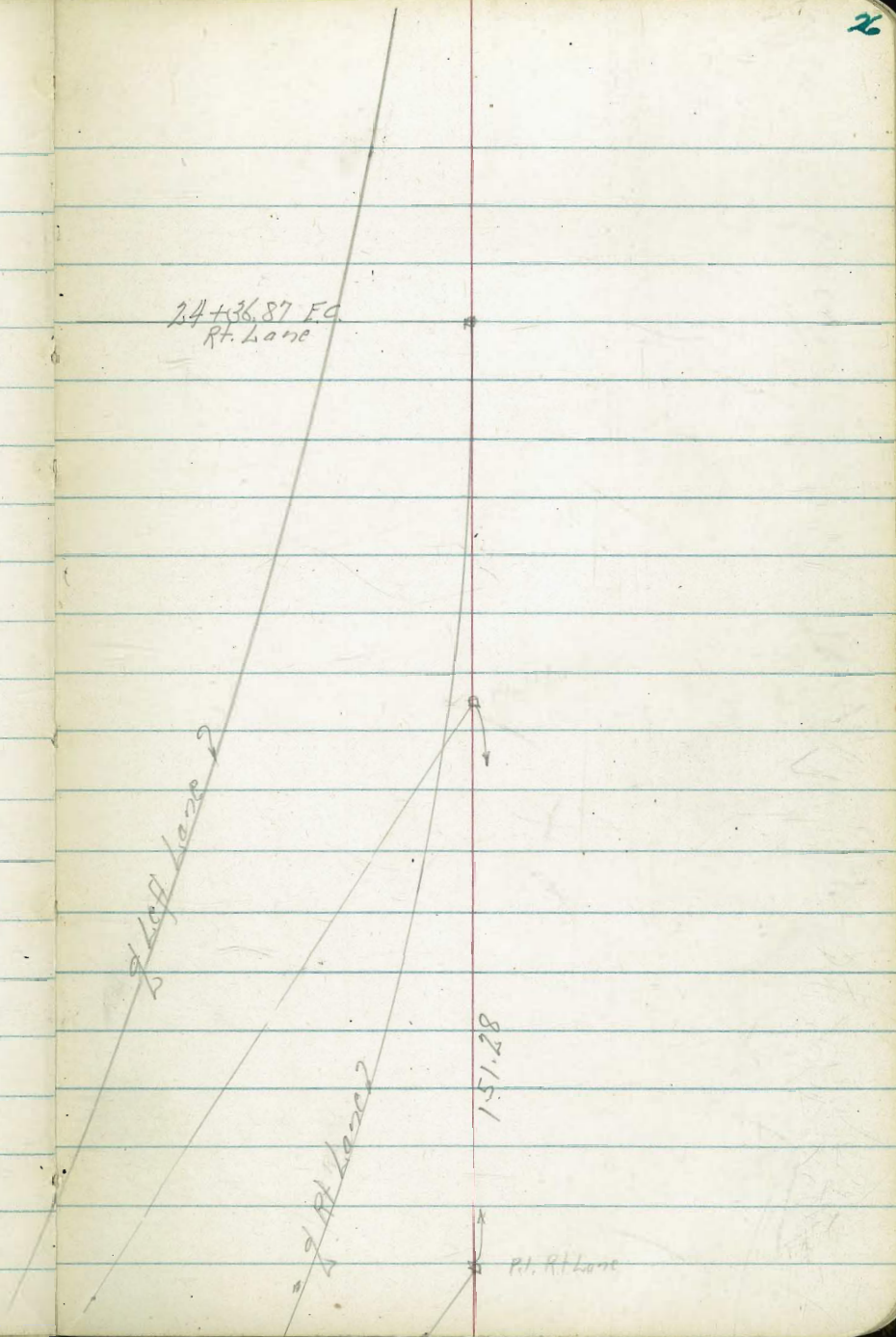
20° 09.34'

24+0

18° 36.54'

23+50

16° 33.41'



Alignment Sunset Cliffs Blvd. Extension
North of Bridge to Midway

Nov. 8-51
H. Sisson
Roger
Fritz

27

43+57.49 Found Conc. Mon.

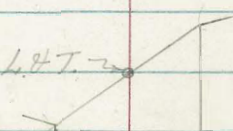
43+57.49 P.O.T.
Fd. Conc. Mon.

41+70.76 = Dyke

of Sunset Cliffs Blvd. Ext. 2

41+59.15 = Hy. Bridge

41+59.90 L.H.T. 2



+32.38 EC.	6° 09.92' ✓	
50+0	5° 42.09' ✓	
+50	4° 59.12' ✓	Δ 12° 19' 50"
49+0	1° 16.15' ✓	Δ R 2000
+50	3° 33.17' ✓	T 216.04
48+0	2° 50.20' ✓	L 430.42
+50	2° 07.23' ✓	D ₁ 859.44
47+0	1° 24.26' ✓	
+50	0° 41.29' ✓	
46+01.96 BC RT.		

48+18.00
P.I. RT. Lane

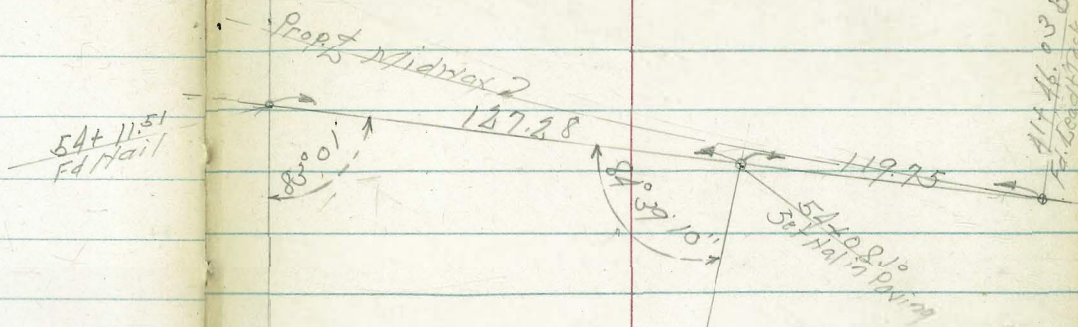
Δ Summit Cliff Fct. 2

12° 19' 50"

Δ RT Lane 2

30+32.38 EC

46+01.96 BC RT



~~2 Survey of Cliffside Ex. 2~~

~~2 Right Hand~~

TP 4.55 7.02 4.21 2.17

+50

46+0

+50

45+0

+50

44+0

668.

Lt.

L

pt.

31

-1.3	-0.4	1.0	2.3	2.5	2.3	0.8	0.4	0.1
80	71	57	44	42	49	59	63	66
80	80	33	15	20	20	43	80	100

-1.1	0.5	2.3	2.1	1.7	0.6	0.3	0.1
78	63	44	40	50	61	64	66
80	44	15	35	50	50	80	100

-1.1	-0.7	0.9	1.5	1.9	2.0	0.0	-0.3	-0.4
78	74	58	52	48	47	67	70	71
80	80	40	18	35	35	48	75	100

-1.7	-1.1	1.9	2.1	2.5	0.1	-0.5	-0.5
81	78	48	46	49	66	72	73
86	55	15	27	38	75	100	100

-1.4	-0.3	2.0	2.3	2.9	0.0	-0.1
80	70	47	44	38	67	68
80	50	15	27	42	100	100

-0.3	1.9	2.9	2.9	1.5	0.4	0.2
70	54	38	37	52	63	65
80	46	17	36	35	65	100

668.

Sunset Cliff Extension

Lt. S Rt.

+75

-2.6	-1.3	0.1	2.0	1.9	2.0	1.1	1.1	1.9	1.9
96/80	8.3/50	6.9/30	5.0/14	5.1/16	4.8/28	5.3/50	5.3/80	5.1/80	5.1/100

+50

-2.5	-1.1	0.2	2.0	1.0	2.3	1.1	2.0	1.9
9.5/80	8.1/50	6.8/18	5.0/14	5.2/16	4.7/50	5.3/50	5.0/80	5.1/100

49+0

-1.1	-1.0	0.0	2.6	2.1	2.1	1.6	1.3	1.6
8.7/80	8.0/50	6.3/21	4.4/15	4.9/16	4.9/16	5.5/55	5.7/80	5.5/100

+50

-1.2	-0.5	2.6	2.0	2.1	1.9	1.2
8.7/80	7.5/50	4.5/15	5.0/15	4.9/15	5.8/80	5.8/100

48+0

-1.0	0.7	2.2	2.0	1.9	1.0	0.9	0.6
8.0/80	6.3/40	4.8/15	5.0/14	5.1/36	6.0/36	6.1/80	6.4/100

+50

-1.5	0.0	2.5	2.0	2.0	0.9	0.6	0.0
8.5/80	7.0/40	4.5/13	4.6/16	4.8/16	5.1/46	6.4/80	6.6/100

47+0

-1.6	-0.5	2.5	2.0	2.0	1.0	0.0	0.1
8.5/80	7.3/50	4.7/11	4.6/16	4.6/15	6.0/36	6.8/75	6.9/100

(7.05)

7.05

+150

1.9	1.9	0.9	2.0	2.2	2.1	1.1	1.7	3.1	2.3	1.7
5.5	5.5	5.9	4.6	4.6	4.1	5.7	5.1	3.7	4.5	5.1
100	70	35	14	13	34	63	95	125	160	

52+0

0.6	1.7	0.9	1.7	1.7	2.3	1.9	2.4	2.3	1.9
6.2	5.1	5.9	5.1	5.1	4.5	4.9	4.1	4.5	4.9
100	50	36	14	14	30	60	84	150	

+150

-0.5	0.4	1.8	2.2	1.7	2.2	1.7	2.0	2.0	2.0
7.3	6.1	5.0	4.6	5.1	4.6	5.1	4.8	4.8	4.8
100	80	38	14	14	30	72	100	135	

51+0

-0.5	0.0	3.3	2.5	1.9	2.5	1.3	1.8	2.0
7.3	6.8	5.3	4.3	4.9	4.5	5.5	5.0	4.8
90	88	25	15	15	30	60	125	

7P 4.51 6.81 4.72 2.30

6.81

+150

-2.4	1.7	2.0	2.4	2.3	2.4	1.7	1.8	2.0	1.9
9.4	5.3	5.0	4.6	4.7	4.4	5.3	5.3	5.0	5.1
66	50	35	13	15	34	75	100	125	

50+0

-2.6	-1.5	1.8	2.2	2.1	2.4	1.8	1.7	1.7
9.6	8.5	5.1	4.8	4.7	4.6	5.2	5.3	5.3
80	38	29	14	15	35	60	100	

7.02

7.02

B.M. 2.54 9.78
 TP 10.45 12.32 489 1.87
 TP 4.48 6.76 4.53 2.28
 B.M. 197 1.85
 1.84

S.P.M. End
 807 #10
 Top of Cap
 9.50
 9.80 X
 1.71 N.P.C. 6
 Midway 2
 Sunset
 54 + 547

0.3 1.2 1.2 2.4 X
 6.5 5.6 4.6 4.7 5.0 4.5 1.86
 150 100 85 150 50 150
 5.0 5.0 5.0 5.0 5.0 5.0

54+10

0.4 0.8 1.0 1.9 1.8 1.5 1.6 1.6 1.82
 6.4 6.0 5.6 4.9 5.0 5.2 5.2 5.2 4.99
 150 120 85 50 37 17 52 25 11.5
 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0

+75

0.5 1.0 1.5 1.8 1.7 1.4 1.5 0.3 1.1 2.7 2.0 1.81
 6.2 5.8 5.5 5.0 5.1 5.4 5.0 6.5 5.7 4.1 4.6 5.0
 150 100 70 35 13 54 17 42 72 100 114 176
 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0

+50

1.2 1.5 2.2 2.6 1.9 1.4 1.4 0.9 1.0 1.5 1.4 1.0
 5.6 5.3 4.6 4.2 4.9 5.4 5.4 5.9 5.8 5.3 5.4 5.0
 150 100 70 40 14 54 14 33 70 118 135 200

50+0

1.2 1.6 2.0 1.8 1.9 0.9 2.0 1 2.3 1.4
 5.6 5.2 4.8 5.0 4.9 5.7 4.6 4.7 4.5 5.1
 150 50 15 30 13 25 67 105 150 200

6.81

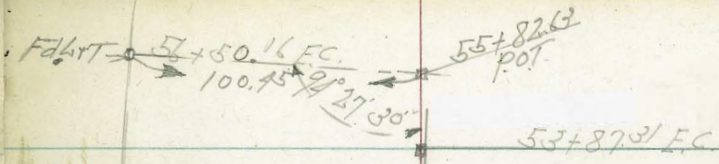
6.81

of 1991 to 2000

of 1991 to 2000

11/16/00
F&S+T
Page 29

North Midway

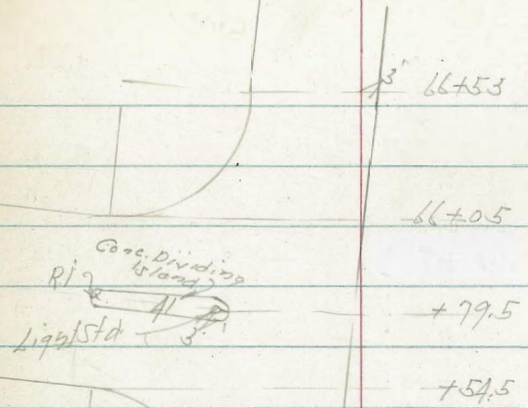


+87.31 EC.	13° 40'	
+50	12° 50.66'	
52+0	11° 44.55'	
+50	10° 38.44'	A 27° 20'
52+0	9° 32.33'	R 1300'
+50	8° 26.22'	T 316.10'
52+0	7° 20.11'	L 620.17'
+77.22 P.O.C.	6° 50'	F 37.88'
+50	6° 14'	D 1.3222'
50+0	5° 07.89'	
+50	4° 01.78'	
49+0	2° 55.67'	
+50	1° 49.56'	
48+0	0° 43.45'	
47+67.14 BCRT.		

Ingraham P.O.C.

North Midway

47+67.14
BCRT



Case Division
Island
Rig
Lightstand

66+53

66+05

+79.5

+54.5

65+14.7

75+0 P.O.T.

62+50 P.O.T.

Myrham

9/10/14/15/16/17/18

North Midway

72+07.04 = 68+00 Marked on Curb

+69.16 EC	2° 13.79'	
+50	2° 07.19'	
70+0	1° 50'	Δ 4° 27' 24"
+50	1° 32.82'	R 5000
69+0	1° 15.63'	T 194.68
+50	0° 58.44'	L 389.16
68+0	0° 41.25'	D 343.77
+50	0° 24.06'	
67+0	0° 06.88'	
66+80.00 BC.PT		

72+07.04
Pd Nail

20.50

Fd. Lt T in Cb
Marked
68+00

70+69.16 EC

North Midway

Engineering

66+80.00 BC.PT

Cross Section North Midway
34+96.53 to 71+36

Indexed

Lt.

Z

Rt.

Dec 3-5
Fission
Garber
Karr
Fritz

36+98.70 = FC
MISSION Bay
B.M. EB 71-7

427

1.73
Nail SW
Yoke Box
228836+67

1.0 1.03 0.9 0.3
481 1.97 51 57
6.5 feet
5.2 42 75

+40

0.2 0.6 1.5 2.07 1.23 2.07 1.51 1.42 1.31 2.06 0.9 1.2
5.8 5.1 4.5 3.93 4.27 3.93 4.49 4.58 4.69 3.94 5.1 4.8
75 41 81 365 385 106 106 15.7 15.7
54 54 54 54 54 54

36+0

0.3 0.6 2.16 1.35 1.67 2.15 2.14 1.65 1.60 1.41 2.20 0.7 0.7
5.7 5.4 3.84 4.65 4.32 5.85 3.86 4.35 4.10 4.59 3.80 5.3 5.2
75 45 31.2 31.9 7.5 7.2 38 34
54 54 54 54 54 54

35+50

0.4 0.5 2.2 2.52 1.76 2.00 2.49 2.51 2.08 1.76 2.57 2.7 1.2 0.2
5.1 5.5 3.8 3.48 4.34 4.00 3.51 3.49 3.92 4.24 3.42 3.3 4.8 5.8
75 42 38 278 278 35 218 167 167 167 167 167 167 167

34+96.53 BC Rt.

0.6 0.9 2.9 3.23 2.41 3.74 3.21 3.20 3.20 2.66 2.45 3.25 3.2 2.0 1.1
5.1 5.1 3.1 2.77 3.59 2.4 2.79 2.80 2.80 3.34 3.55 2.75 2.8 4.0 4.9
75 46 34 26.4 26.4 26 1.65 167 167 167 167 167 167 167

BM

2.80 3.20 34+96.53

TP

4.21 6.00 5.25

1.87
L+T N.H.C.B
Midway
S. Sunset
Page 34

B.M.

5.10 6.94

6.00

4040

TP 501 557 544 0.56

450

429

130' H of L SE by Curve on H.

3940

450

3840

37450

6.00

Lt.

L

Pt.

41

1.40	2.03	0.9	0.5	0.0	0.6	0.4	0.7
417	354	47	51	56	50	52	49
67-94	67-cb	42	25		25	50	75

5.57

1.80	1.22	1.89	0.6	-0.1	0.3	0.3	0.4
420	408	411	54	61	57	57	56
89-FC	484-64	484-cb	25		25	50	75

1.46	1.72	1.32	0.7	1.0	0.8	0.9	1.0
454	428	418	53	50	52	51	50
85-FC	139-FC	38-FC	75		25	50	75

1.32	1.54	1.09	0.6	0.7	0.6	1.1
468	416	491	56	53	54	49
75-FC	49-FC	27-FC		25	50	75

0.98	1.37	1.08	0.8	0.8	1.0	0.9
502	463	492	53	52	50	51
66-FC	40-FC	16-FC		25	50	75

0.98	1.41	1.08	1.0	0.7	0.7	0.5
502	459	492	50	53	52	55
57-FC	31-FC	8-FC		25	50	75

6.0

+50

Δt	Z	17x
0.6	0.6	0.6
$\frac{50}{100}$	$\frac{50}{50}$	$\frac{48}{25}$
		$\frac{47}{25}$
		$\frac{48}{25}$
		$\frac{49}{50}$
		$\frac{50}{75}$

+3+0

0.7	0.8	0.7	0.8	0.7	0.6	0.3
$\frac{49}{100}$	$\frac{48}{50}$	$\frac{49}{25}$	$\frac{48}{25}$	$\frac{49}{25}$	$\frac{50}{50}$	$\frac{53}{75}$

+50

1.8	0.8	0.2	1.1	0.8	0.6	0.1	0.1
$\frac{38}{104}$	$\frac{48}{94}$	$\frac{54}{50}$	$\frac{45}{20}$	$\frac{48}{25}$	$\frac{50}{25}$	$\frac{55}{50}$	$\frac{55}{75}$

+2+0

1.32	1.88	0.8	0.6	0.8	0.7	0.5	0.1	0.0
$\frac{125}{98-9ut}$	$\frac{119}{98-cb}$	$\frac{48}{83}$	$\frac{50}{50}$	$\frac{48}{35}$	$\frac{49}{25}$	$\frac{51}{25}$	$\frac{55}{50}$	$\frac{56}{75}$

+50

1.54	2.17	0.6	0.8	0.9	0.5	0.4	0.3	0.3
$\frac{102}{87-9ut}$	$\frac{340}{87-cb}$	$\frac{50}{71}$	$\frac{48}{50}$	$\frac{47}{25}$	$\frac{51}{25}$	$\frac{52}{25}$	$\frac{53}{50}$	$\frac{53}{75}$

+1+0

1.52	2.19	1.6	0.9	0.4	0.6	0.8	0.9	1.1
$\frac{405}{77-9ut}$	$\frac{338}{77-cb}$	$\frac{40}{66}$	$\frac{47}{50}$	$\frac{52}{36}$	$\frac{50}{25}$	$\frac{48}{25}$	$\frac{47}{50}$	$\frac{45}{75}$

+0+50

1.45	2.07	1.1	0.8	0.8	0.8	0.7	0.9
$\frac{412}{68-9ut}$	$\frac{350}{68-cb}$	$\frac{45}{50}$	$\frac{48}{25}$	$\frac{48}{25}$	$\frac{48}{25}$	$\frac{49}{50}$	$\frac{47}{75}$

North Midway

Dec. 4-51 Lt.

2

At

43

+50

0.7	0.9	0.8	1.0	1.0	1.2	0.9
52	50	51	47	49	47	50
100	50	25		25	50	75

46+0

0.5	1.1	1.3	0.9	0.8	0.7	0.9
54	48	46	50	51	52	50
100	50	25		25	50	75

TP

4.15

5.87

3.85

1.72

L+T NECB
Midway
[42+0]

5.87

+50

0.6	0.9	0.7	0.7	0.8	0.8	0.8
50	47	47	47	48	48	48
100	50	25		25	50	75

45+0

0.4	1.0	0.8	0.7	1.0	1.0	0.7
52	46	48	49	46	46	49
100	50	25		25	50	75

+50

0.4	0.8	0.7	0.9	1.0	0.7	1.0
52	48	47	47	46	49	46
100	50	25		25	50	75

44+0

0.7	0.9	0.9	1.2	1.1	0.9	0.7
49	47	47	44	45	47	47
100	50	25		25	50	75

5.57

5.57

Lt.

L

Rt. 44

TP 1.56 5.43 5.00 0.87

50+0

0.55	1.19	0.7	0.4	0.6	0.8	0.7	1.0	1.1
5.22	4.68	5.2	5.5	5.2	5.1	5.3	4.9	4.8
92' Gut	92' db	79	50	35		25	50	75 = Total H. db.

450

0.53	1.15	0.6	0.2	0.6	0.7	0.7	0.9	1.3
5.34	4.72	5.2	5.7	5.2	5.2	5.2	5.0	4.6
96' Gut	96' db	75	50	35		25	50	75

49+0

0.47	1.10	0.5	0.3	0.5	0.5	0.5	0.8	1.2
5.40	4.77	5.4	5.6	5.4	5.4	5.4	5.1	4.7
100' Gut	100' db	81	50	35		25	50	75

750

0.50	1.14	1.5	0.5	0.4	0.4	0.4	0.8	1.0
5.37	4.73	4.4	5.4	5.5	5.5	5.5	5.1	4.9
105' Gut	105' db	97	94	50	25		25	50

48+0

0.6	0.9	1.0	0.9	0.7	0.9	1.3
5.3	5.0	4.9	5.0	5.2	5.0	4.6
100	50	25		25	50	75

450

0.8	0.9	0.9	0.9	0.9	1.1	1.3
5.1	5.0	5.0	5.0	5.0	4.8	4.6
100	50	25		25	50	75

17+0

0.4	1.2	0.9	0.9	1.2	1.2	0.9
5.5	4.7	5.0	5.0	4.7	4.7	5.0
100	50	25		25	50	75

5.87

5.87

North Midway

Lt.

L

Rt.

45

BM

162 3.81

Chisel D Base
Leptocarpus
Lign. p.
Ventura +
Ingram

0.95	1.59	0.9	0.5	0.4	0.6	0.7	0.6	0.3	0.3
148	3.81	15	19	50	48	47	48	51	51
84	84	75	70	50	35		35	50	75

+50

5210

1.00	1.61	2.0	0.9	0.7	0.9	0.8	0.7	0.3	0.2
142	3.82	31	45	17	45	46	47	51	52
83	83	75	70	50	35		35	50	75

+50

0.82	1.45	1.8	0.8	1.0	0.9	0.7	0.4	0.3	
161	3.98	31	46	44	45	47	50	51	
83	83	70	65	35		35	50	75	

5220

0.80	1.47	1.7	0.9	0.7	0.9	0.8	0.8	0.7	0.8
163	3.96	37	45	17	45	46	46	47	46
85	85	75	68	50	35		35	50	75

+50

0.78	1.42	1.8	0.8	0.8	0.8	0.8	1.0	1.1	1.1
165	4.01	31	46	46	46	46	44	43	43
85	85	75	70	50	35		35	50	75

51+0

0.71	1.33	1.2	0.9	0.8	0.9	0.6	0.8	1.0	
172	4.10	42	45	46	45	48	46	44	
87	87	75	50	35		35	50	75	

50+50

0.64	1.29	0.8	0.6	0.7	0.5	0.8	0.7	1.1	
177	4.11	46	48	47	49	46	47	43	
87	87	75	50	35	54.3	35	50	75	

543

H.

Z

pt.

H.I.

TP 530 6.08 4.65 0.78

150

1.11	1.73	1.9	0.9	0.7	0.5	0.5	0.7	0.7
432	370	35	45	47	49	47	47	47
75-out	75-cb	75	70	75		75	70	75

56+0

1.17	1.83	2.9	1.0	0.7	0.7	0.3	0.6	0.6	0.6
426	350	25	44	47	47	51	48	48	48
89-out	85-cb	72	64	60	75		75	75	75

150

1.18	1.80	1.7	1.0	0.7	0.4	0.5	0.4	0.5	0.5
425	363	37	44	47	50	49	50	49	49
83-out	83-cb	74	67	50	75		75	50	75

55+0

1.15	1.75	1.4	1.0	0.8	0.6	0.5	0.6	0.4	0.5
428	318	40	44	46	48	49	48	50	49
85-out	85-cb	75	75	50	75		75	50	75

150

1.03	1.67	1.4	1.0	0.6	0.5	0.6	0.8	0.5	0.5
440	376	40	44	48	49	48	46	49	49
86-out	86-cb	78	73	50	75		75	50	75

54+0

543

0.97	1.59	1.5	0.8	0.5	0.5	0.7	0.5	0.4	0.4
446	384	37	41	49	49	47	49	50	50
85-out	85-cb	75	70	50	75	543	75	50	75

North Midway

L

L

R

47

60+0

1.77 117 155
 4.31 491 153
 88-cb 88-gul 88-75

0.98 1.67 2.1 1.7 1.5 1.6 1.7 1.7 1.7
 5.10 4.41 4.0 4.4 4.6 4.5 4.4 4.4 4.4
 48-gul 48-cb 40 37 35 25 25 25 25

+50

1.01 1.68 1.3 1.4 1.3 1.4 1.6 1.4 1.2
 5.07 4.40 3.8 4.7 4.8 4.7 4.5 4.7 4.9
 52 52-cb 45 38 35 25 25 25 25

59+0

1.04 1.64 2.2 1.1 1.0 1.1 1.3 1.3 1.2
 5.01 4.44 3.9 5.0 5.1 5.0 4.8 4.8 4.9
 56-gul 56-cb 50 45 25 25 25 25 25

+50

1.02 0.16 1.9 1.3 0.8 1.1 0.9 0.9 0.7
 5.06 4.47 4.2 4.8 5.3 5.6 5.2 5.2 5.4
 60-gul 60-cb 52 48 25 25 25 25 25

58+0

1.05 1.68 1.7 1.1 0.9 0.9 1.1 1.0 0.7
 5.03 4.40 4.4 5.0 5.2 5.2 5.0 5.1 5.4
 64-gul 64-cb 57 54 25 25 25 25 25

+50

1.13 1.72 2.1 0.9 0.8 1.0 0.8 1.1 0.9
 4.95 4.26 4.0 5.2 5.3 5.1 5.3 5.0 5.2
 67-gul 67-cb 46 54 25 25 25 25 25

57+0

2.17 2.76 1.9 0.8 0.6 0.7 0.7 1.0 1.1
 3.91 3.32 4.2 5.3 5.5 5.4 5.4 5.6 5.0
 71-gul 71-cb 64 59 25 25 25 25 25
 6.08

6.08

+50 19' Lt of 2-2 Light Standard

1.80 1.15 1.57 1.13 1.81 1.3 1.5 1.5 1.5
1.15 5.10 4.68 5.12 4.44 5.0 4.8 4.8 4.8
61-cb 61-gut 41-flc 21-gut 21-cb 25 50 75

63+0

1.72 1.04 1.48 1.08 1.73 1.6 1.6 1.7 1.6
4.53 5.21 4.77 5.17 4.57 4.7 4.7 4.6 4.7
65-cb 65-gut 45-flc 25-gut 25-cb 25 50 75

TP 4.57 6.25 4.40 1.68

6.25

+50

1.69 1.03 1.41 1.04 1.69 1.68 1.8 1.7 1.3
4.39 5.05 4.67 5.04 4.39 4.1 4.2 4.4 4.8
67-cb 67-gut 49-flc 29-gut 29-cb 25 30 75

62+0

1.68 1.00 1.40 0.97 1.63 1.9 1.5 1.5 -1.6
4.40 5.10 4.68 5.11 4.45 4.2 4.6 4.6 7.7 100
73-cb 73-gut 53-flc 33-gut 33-cb 25 30 80 100 water

+50

1.60 0.89 1.41 0.89 1.60 1.90 2.0 1.8 1.4 -1.3
4.18 5.19 4.67 5.19 4.45 4.2 4.2 4.7 7.4 10.3
76-cb 76-gut 56-flc 36-gut 36-cb 25 37 55 76 water

61+0

1.69 1.05 1.39 0.89 1.58 1.8 1.7 1.7 1.6 -1.4 -4.2
4.39 5.03 4.62 5.19 4.50 4.2 4.4 4.4 4.5 7.5 10.3
80-cb 80-gut 60-flc 40-gut 40-cb 25 41 74 85 water

60+50

1.71 1.09 1.45 0.89 1.55 2.1 1.9 2.0 1.6 1.7 1.7 1.5 1.5
4.37 4.99 4.62 5.19 4.52 4.2 4.4 4.4 4.4 4.6 4.6 4.6 4.6
87-cb 87-gut 67-flc 47-gut 47-cb 25 36 33 25 25 50 75 100

6.08

6.08

North Midway

Lt Lt pt 49

+52 - Carb F.C. on Lt.

2.8	2.10	1.46	1.79	1.47	1.42	2.03	2.3	1.4	2.3	1.7
35	45	179	11	178	183	122	10	49	10	16
75	37-cb	37-gut	17-flc	flc	3-gut	3-cb	14	16	50	75

66+05

2.44	1.3	1.37	1.71	1.35	1.98	2.00	2.4	1.8	1.7	1.5	1.4
381	432	188	454	190	127	43	39	4.5	16	48	49
80-cb	80-gut	41-flc	21-flc	69-gut	09-cb	3	9	25	50	75	

+79.5 = 2 Conc Island on Lt

2.22	2.67	1.72	1.45	1.70	1.27	1.3	1.7	1.5	1.5		
102	358	133	180	455	428	50	46	48	48		
845	845-cb	435-cb	435-gut	23-flc	flc	flc	16	50	75		

+54.5

2.49	2.02	1.32	1.69	1.30	1.93	2.2	2.3	1.5	1.4	1.3	1.4
371	423	172	456	195	432	41	40	48	49	50	49
87-cb	87-gut	45.5	25-flc	5-gut	5-cb	7	10	25	50	50	75

65+14.7 = Carb B.C. on Lt

2.2	1.97	1.34	1.71	1.27	1.94	2.6	2.3	0.9	1.1	0.8	0.7
41	128	191	454	198	431	37	10	54	52	55	56
75	185-cb	48.5-gut	28	8-gut	8-cb	9	14	25	50	75	

+50

1.89	1.22	1.56	1.24	1.92	1.8	0.9	1.1	0.9	1.0		
426	503	169	501	433	45	54	52	54	50		
53-cb	53-gut	33-flc	13-gut	13-cb	4	25	50	75			

84+0

1.86	1.17	1.56	1.21	1.86	1.3	1.4	1.3	1.2			
139	508	169	504	439	50	49	50	51			
187-cb	57-gut	81-flc	17-gut	17-cb	6.25	25	50	75			

625

70+0

2.5	3.1	2.09	1.44	1.72	1.72	1.45	2.06	2.1	1.2	1.3
44	38	48	58	52	52	5.17	4.86	4.8	5.7	5.6
60	45	20.5-cb	20.5-cb	25-flc	34-flc	19.5-cb	19.5-cb	30	43	75

750

2.7	2.10	1.53	1.79	1.76	1.50	2.12	1.9	1.4	1.2	1.1
42	48	53	53	5.16	5.42	4.80	5.0	5.5	5.9	5.8
50	21.5-cb	21.5-cb	1.5-flc	3-flc	18.7-cb	18.7-cb	31	36	36	75

69+0

2.5	2.20	1.58	1.86	1.82	1.53	2.16	2.8	1.4	1.6	1.6
44	4.72	5.34	5.06	5.0	5.39	4.76	4.1	5.5	5.3	5.3
60	25-cb	23-cb	3-flc	3-flc	17.2-cb	17.2-cb	30	34	50	75

750

2.6	2.13	1.48	1.97	1.94	1.57	2.23	2.4	1.5	1.5	1.6
42	4.79	5.44	4.95	4.98	5.35	4.69	4.5	5.4	5.4	5.3
60	25-cb	25-cb	5-flc	7-flc	15.2-cb	15.2-cb	23	27	50	75

TP

468 6.92 401 2.24

6.92

68+0

2.5	2.22	1.60	2.02	1.91	1.61	2.23	2.2	1.3	1.5	1.6
38	4.02	4.65	4.22	4.34	4.14	4.02	4.1	5.0	4.8	4.7
65	28-cb	28-cb	7-flc	7-flc	12.8-cb	12.8-cb	31	25	50	75

798

15' Light Standard

750

2.7	2.18	1.56	1.89	1.77	1.55	2.19	1.8	1.1	1.3	1.4
26	4.07	4.69	4.36	4.48	4.70	4.06	4.5	5.3	5.0	4.9
75	30-cb	30-cb	10-flc	11-flc	16-cb	10-cb	21	23	30	75

67+0

2.9	2.13	1.49	1.84	1.61	1.46	2.12	2.5	1.1	1.5	1.4
34	4.12	4.76	4.41	4.64	4.79	4.13	3.8	5.2	4.8	4.9
75	34-cb	34-cb	15-flc	15-flc	6.2-cb	6.2-cb	14	20	50	75

6.25

BM

3.67

4.05

on 1/2 Nail
73-10
Mission Bay
Sta

13.06
201
4.05

BM

2.31

7.72

1.41

5.51

Chisel
5x1/2 Bridge
on Cb. Ent

Mission Bay
FR 471-58

+36

= 6' Curb Inlets R + L

-1.66 1.10 1.99 1.06 1.63 0.85 1.89 0.68 -1.57

8.59 5.82 4.93 5.86 5.22 6.07 5.02 5.74 8.47
328. 328. 20-cb 20-cb 20-cb 20-cb 20-cb 20-cb
Box on Street
Box on Street

71+0

2.9 2.8 2.06 1.90 1.71 1.31 1.98 1.7 1.2 0.8

1.0 4.1 4.8 5.52 5.21 5.61 4.91 5.2 5.7 6.1
70 40 20-cb 20-cb 20-cb 20-cb 20-cb 20-cb

70+50

2.8 3.1 2.10 1.51 1.78 1.45 2.04 2.1 1.7 1.0

4.1 3.8 4.82 5.41 5.14 5.47 4.88 4.8 5.2 5.9
70 45 20-cb 20-cb 20-cb 20-cb 20-cb 20-cb

Survey Portion of Lot 2-3 Block "D"
Home Gardens

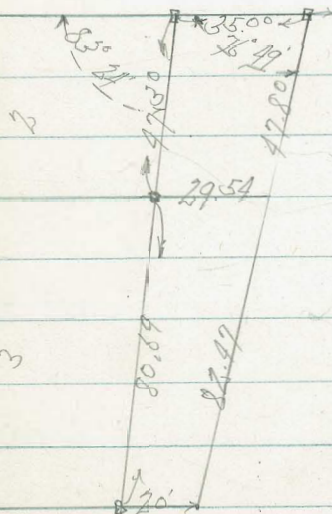
34th ~~SP~~

Feb. 8-58 52
H. Simon
Garber
Fritz

Wabash Blvd. Right of Way Steel 72446

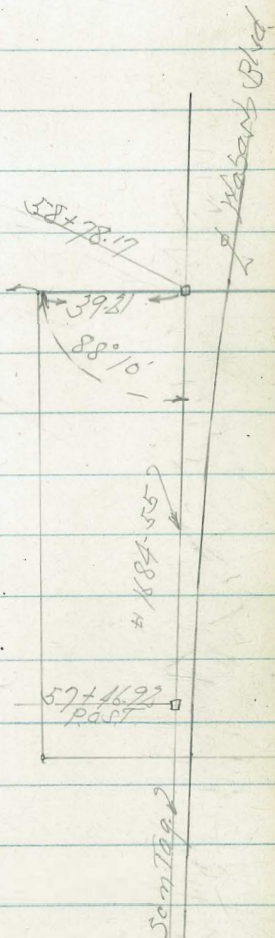
INDEXED
Law
DEC 2 1952

Daroot St.



34750ft

Webster Ave.



Sunset Cliffs Blvd. Extension And
Habaska Extension Interchange

"H" 20+52.68 B.C.H.

Feb. 11-52 **83**
H.S.S. 7.
Garber
Fritz
No 22089

"8" 26+27.01 B.C.

RECEIVED
DEC 22 1952

"H" 2

998.21 P.P.

"8" 2

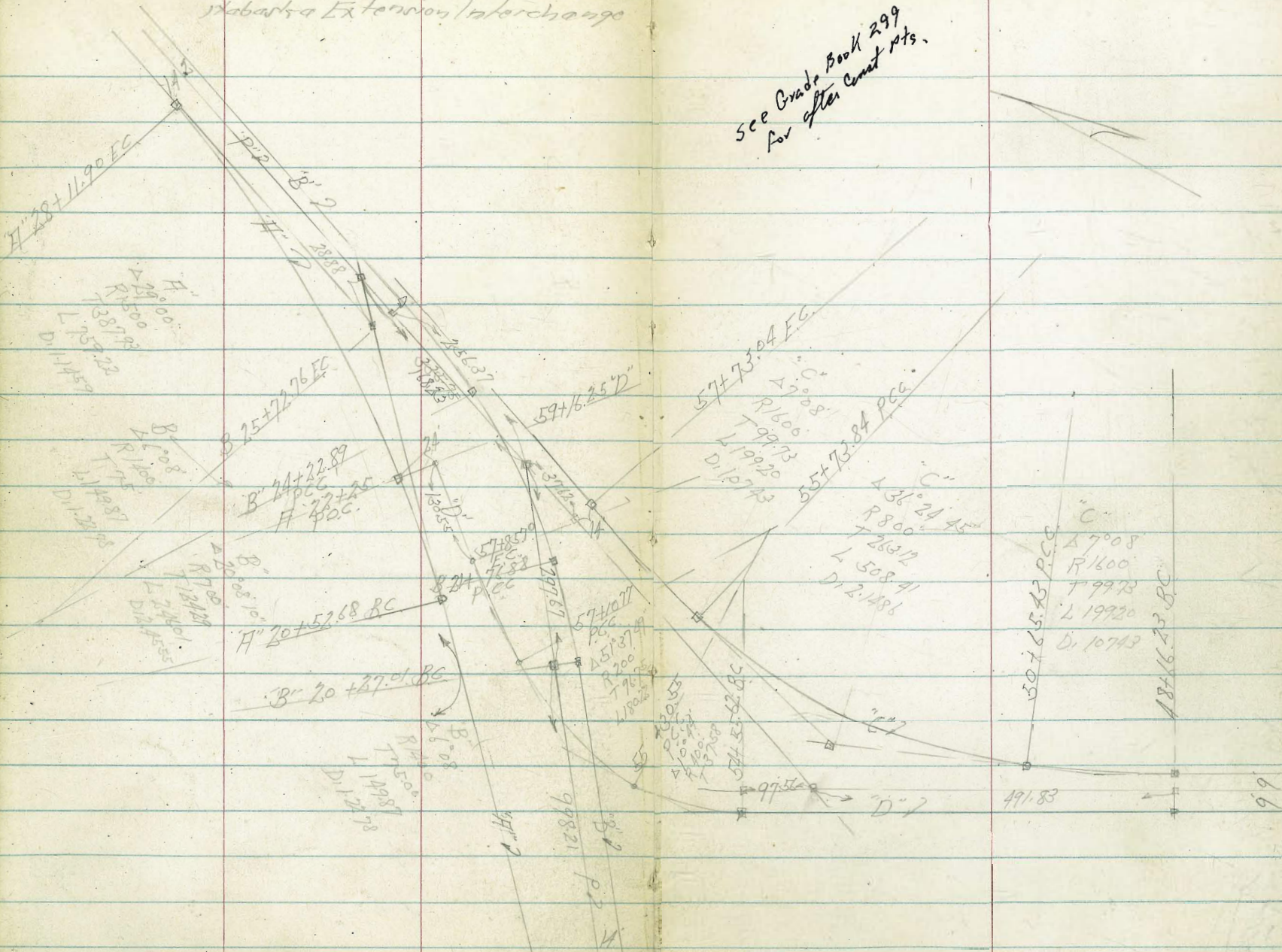
10+28.8° F.C.P.
Brit. Ford. Page 3

"H" 9+39.72 E.C.

9+39.72
P.O.C.

Sunset Cliff Blvd. Extension And
 Hobart's Extension Interchange

See Grade Book 299
 for other Const pts.



"H"		
+11.90 E.C.	14° 30'	
28+0	14° 16.36'	
+50	13° 19.06'	
27+0	12° 21.77' ✓	
+50	11° 24.47' ✓	
26+0	10° 27.18' ✓	Δ 29° 00'
+50	9° 29.88' ✓	R 1500'
25+0	8° 32.59' ✓	T 3879J
+50 P.O.C.	7° 35.29' ✓	L 75923
24+0	6° 38.00' ✓	D 16145915
+50	5° 40.70' ✓	
23+0	4° 43.41' ✓	
+50	3° 46.11' ✓	
+25 P.O.C.	3° 17.46'	
22+0	2° 48.82' ✓	
+50	1° 51.52' ✓	
21+0	0° 54.22' ✓	
20 +52.68 B.C. Lt.		

+7276 FC	3° 04'	Δ 6° 08'
+50	2° 36.07' ✓	R 1400
25+0	1° 34.68' ✓	T 7500
+50	0° 33.29' ✓	L 149.87
+22.89 PCC	10° 04.09' ✓	D. 1.2278
24+0	9° 07.87' ✓	Δ 20° 08' 10"
+50	7° 05.10' ✓	R 7000
23+0	5° 02.32' ✓	T 124.27
+50	2° 59.55' ✓	L 246.01
22+0	0° 56.77' ✓	D. 2.4555
+76.88 PCC	3° 04' ✓	
+50	2° 31.01' ✓	Δ 6° 08'
21+0	1° 29.62' ✓	R 1400
+50	0° 28.23' ✓	T 7500
20+27.01 B.C.H.		L 149.87
		D. 1.2278

+7384 PCC.	18° 12.375'				
+50	17° 21.15'				
55+0	15° 32.72'				
+50	13° 11.29'	Δ 36° 34' 45"			
51+0	11° 58.86'	R 800'			
+50	10° 11.43'	T 263.12			
53+0	8° 24.00'	L 508.41			
+50	6° 36.57'	D 2.1286			
52+0	4° 49.14'				
+50	3° 01.71'				
51+0	1° 14.28'				
+6543 PCC.	3° 34'				
+50	3° 17.42'	Δ 7° 08'			
50+0	2° 23.71'	R 1600'	+7304 EC.	3° 34'	Δ 7° 08'
+50	1° 35'	T 9973	+50	3° 09.25'	R 1600'
49+0	0° 36.28'	L 19920	57+0	2° 15.55'	L 19920
48+66.23 BCRT.		D 1.0743	+50	1° 21.82'	D 1.0743
			56+0	0° 28.10'	

+85.70 FC.	5° 22'	Δ 10' 44" R 400' T 37.58 L 74.93 D 4.2972
+50	2° 48.58'	
+10.77 PCC	25° 48.88'	
57+0	24° 16.32'	Δ 51' 37" 49" R 200' T 96.75 L 180.22 D 8.5944
+50	17° 06.60'	
56+0	9° 56.88'	
+50	2° 47.16'	
+30.55 PCC	5° 22'	Δ 10' 44" R 400' T 37.58 L 74.93 D 4.2972
55+0	3° 10.72'	
54+55.12 B.C. RT.		

Re Cross Section Sunset Cliffs Extension

"H" Line at Base Sta. 10+0 to 28+0.

Alignment Page 53-58

INDEXED
DW
DFC 22 1952

+50

1.8
80
1.8
80
1.8
80
1.1
80
1.7
80
1.5
80
1.1
80
95

12+0

1.6
80
1.8
80
1.9
80
1.6
80
1.7
80
1.9
80
1.6
80
95

+50

1.9
80
2.5
80
2.6
80
2.2
80
1.4
80
1.4
80
1.4
80
90

11+0

1.4
80
1.2
80
1.5
80
1.2
80
1.9
80
1.3
80
1.3
80
90

+50

1.7
80
1.6
80
1.5
80
1.9
80
1.2
80
1.2
80
1.6
80
85

10+0

1.1
80
1.0
80
1.0
80
1.1
80
1.0
80
1.0
80
1.0
80

BM

0.90

11.60

10.70

X of center
W.H. Rinn
1904 11-25
Page 19

11.60

pt. Feb 15 52
ASIMCO
Garber
Fritz

TP 148 12.55 3.53 8.07

+50

7.7 7.5 7.4 7.2 7.2 6.8 6.7
~~8.9~~ ~~8.1~~ ~~8.2~~ ~~7.7~~ ~~7.4~~ ~~6.8~~ ~~6.7~~
 8.0 8.0 8.0 8.0 8.0 8.0 8.0 11.0

15.10

7.2 7.2 7.2 7.0 6.9 6.8 6.7
~~7.4~~ ~~7.4~~ ~~7.4~~ ~~7.6~~ ~~7.7~~ ~~7.8~~ ~~7.9~~
 8.0 8.0 8.0 8.0 8.0 8.0 8.0 10.5

+50

7.4 7.3 7.1 7.0 6.8 6.6 6.7
~~7.2~~ ~~7.3~~ ~~7.5~~ ~~7.6~~ ~~7.8~~ ~~7.8~~ ~~7.9~~
 8.0 8.0 8.0 8.0 8.0 8.0 8.0 10.5

14.10

7.2 7.2 7.1 7.0 7.0 6.8 6.7
~~7.4~~ ~~7.4~~ ~~7.5~~ ~~7.6~~ ~~7.6~~ ~~7.8~~ ~~7.9~~
 8.0 8.0 8.0 8.0 8.0 8.0 8.0 10.0

+50

7.1 7.1 7.2 6.9 6.8 6.7 6.8
~~7.5~~ ~~7.5~~ ~~7.7~~ ~~8.0~~ ~~7.8~~ ~~7.9~~ ~~7.8~~
 8.0 8.0 8.0 8.0 8.0 8.0 8.0 10.0

13.10

7.0 7.0 7.0 6.8 6.9 6.8 6.8
~~7.6~~ ~~7.6~~ ~~7.6~~ ~~7.8~~ ~~7.7~~ ~~7.8~~ ~~7.8~~
 8.0 8.0 8.0 8.0 8.0 8.0 8.0 10.0

11.60

11.50

Sunset Cliffs 7" Line

1940

150

1870

750

1710

450

1610

12.55

8.5	8.4	8.1	7.9	7.6	7.4	7.2	6.9
41	42	45	47	50	52	54	57
80	80	80		80	80	80	80

8.9	8.7	8.4	8.1	7.9	7.5	7.3	7.0
37	39	42	45	47	51	53	56
80	80	80		80	80	80	80

9.1	8.9	8.6	8.3	7.8	7.6	7.3	7.2
25	27	30	33	48	50	53	54
80	80	80		80	80	80	80

8.9	8.7	8.2	8.3	7.8	7.6	7.3	7.1
37	39	44	43	48	50	53	55
80	80	80		80	80	80	85

8.5	8.2	8.2	7.9	7.7	7.6	7.3	7.0
46	44	44	47	49	50	53	56
80	80	80		80	80	80	85

8.4	8.3	8.0	7.8	7.6	7.4	7.4	7.1
43	43	46	48	50	52	52	55
80	80	80		80	80	80	80

8.0	7.9	7.6	7.5	7.1	7.0	7.0	6.9
46	47	50	51	55	56	56	59
80	80	80		80	80	80	80

12.55

Lt.

Rt. 62

22+0

6.8	6.4	6.2	6.2	6.1	6.2	5.8	5.7
6.5	6.9	7.1	7.1	7.2	7.1	7.5	7.6
80	80	30		30	80	80	130

+50

1.5	1.3	6.9	6.6	6.4	6.3	6.2	5.9
5.8	6.0	6.4	6.7	6.9	7.0	7.1	7.4
80	80	30		30	60	80	120

21+0

1.5	1.4	6.9	6.8	6.7	6.5	6.4	6.1
5.8	5.9	6.4	6.5	6.6	6.8	6.9	7.2
80	80	30		30	80	80	130

TP

6.26

13.25

5.56

6.99

578 Hubs
20+52.68

13.25

+52.68 = 80 Lt

1.9	1.5	1.0	1.0	6.9	6.8	6.6	6.3
4.7	5.1	5.6	5.6	5.7	5.8	5.0	6.2
80	80	30		30	80	80	120

20+0

1.8	1.7	1.4	1.2	1.1	6.8	6.8	6.5
4.8	4.9	5.2	5.4	5.5	5.8	5.8	6.1
80	80	30		30	80	80	130

19+50

8.1	7.9	7.8	7.6	7.4	7.1	7.0	6.7
4.5	4.7	4.8	5.0	5.2	5.5	5.6	5.9
80	80	30		30	80	80	130

13.55

12.55

25+0

7.4	1.6	8.4	8.8	8.4	6.6	6.1
5.9	5.7	4.9	4.5	4.9	6.7	7.2
80	60	30		30	60	80

+50

7.0	7.3	8.1	9.2	8.4	7.1	6.4
6.3	6.0	5.2	4.1	4.9	6.2	6.9
80	60	30		30	80	80

24+0

6.9	7.2	8.1	9.7	8.7	7.2	6.6
6.4	6.1	5.2	3.4	4.6	6.1	6.7
80	60	30		30	80	80

+50

6.8	7.7	8.1	9.6	9.1	7.5	6.7
6.5	6.1	5.2	3.7	4.2	5.8	6.6
80	60	30		30	80	80

23+0

6.9	7.0	7.9	9.3	8.8	7.8	7.1	6.4
6.4	6.3	5.4	4.0	4.5	5.5	6.2	6.9
80	80	30		30	60	80	100

+50

7.0	7.1	7.7	8.4	8.6	7.5	6.1	5.5	5.4
6.3	6.2	5.6	4.7	4.7	5.8	7.2	7.8	7.9
80	60	30		30	30	80	80	120

22+2.5

7.1	6.5	6.3	7.5	7.5	6.6	6.4	5.8
6.2	6.8	7.0	5.8	5.8	6.9	6.9	7.5
80	80	30		30	60	80	120

13.25

13.25

LT Z Pt.

Chisel 1/2 NW
Top Box Cul.

150 Rfd
8.10
3.56
Page 23

BM
TP 4.03 14.68 3.23 10.65

28+0

9.3 10.2 9.4 9.2 8.4 8.2 7.1
46 80 55 30 47 30 57 80 62 80

150

10.5 9.5 9.0 9.1 9.5 8.2 7.8
32 80 45 30 48 60 57 80 61 80

27+0

9.5 9.0 9.4 9.5 8.7 7.9 7.1
44 80 49 30 44 30 60 80 62 80

150

8.6 9.1 9.0 8.7 8.2 7.7 7.4
53 80 48 30 52 30 57 60 62 80 65 80

26+0

8.2 8.4 8.4 9.0 8.4 7.7 7.3
57 80 55 30 49 30 55 60 62 80 66 80

TP 4.82 13.88 4.19 9.06

13.88

25+50

7.6 7.7 8.6 9.1 8.0 7.1 6.6
55 80 54 30 47 30 53 60 62 80 67 80

13.25

13.25

+50

Lx				Lx		Px			
4.5	4.4	4.4	4.6	4.8	4.8	5.0	5.0	4.9	
66	67	67	65	63	63	61	61	63	
100	75	50	25		25	50	75	100	

49+0

4.5	4.6	4.8	4.9	5.0	5.0	4.8	5.0	4.9	
66	65	63	62	61	61	63	61	62	
100	75	50	25		25	50	75	100	

+50

4.9	5.0	4.9	4.8	5.0	4.5	4.4	4.4	4.4	
62	61	62	63	61	66	67	67	67	
100	75	50	25		25	50	75	100	

48+0

3.9	3.8	4.0	4.3	4.1	4.0	4.0	4.5	4.4	
72	72	69	68	70	71	71	66	67	
100	75	50	25		25	50	75	100	

+50

2.4	2.6	3.0	2.9	3.1	3.0	3.1	3.0	2.9	
87	85	81	82	80	79	80	81	82	
100	75	50	25		25	50	75	100	

47+0

1.6	1.9	2.0	2.2	2.0	2.5	2.3	2.4	2.3	
95	92	89	89	88	86	88	87	88	
100	75	50	25		25	50	75	100	

46+50

1.5	1.7	1.9	1.7	2.1	2.5	2.1	2.2	2.4	
96	94	94	92	90	88	90	89	87	
100	75	50	25		25	50	75	100	

11.13

11.13

Yabask Drive Extension

Lt. 2 Rt.

+50

5.0	5.0	5.0	5.1	5.2	5.4	5.3	5.3
130	100	70	35	35	35	70	100

52+0

4.9	4.8	4.9	4.6	4.2	4.5	4.7	4.9	4.6
130	100	75	50	35	35	50	75	100

+50

4.6	4.7	4.6	4.2	4.1	4.1	4.9	4.8	4.8
100	75	30	35	4.9	35	50	75	100

TP

0.51 10.03 1.61 9.52
 027MH
 ↙ ↘

10.03

+28

37.5 R/of S - Sewer Man Hole

4.9	4.0	4.1	4.2	4.3	4.5	4.7	5.0	5.1
72	71	70	69	68	66	64	61	60
100	75	50	35	35	35	50	75	100

57+0

+50

4.1	4.2	4.3	4.4	4.4	4.7	4.9	5.1	5.2
70	69	68	67	67	64	62	60	59
100	75	50	35	35	35	50	75	100

50+0

4.1	4.2	4.3	4.4	4.5	4.6	4.8	4.9	4.9
70	69	68	67	66	65	62	62	62
100	75	50	35	35	35	50	75	100

11.13

11.13

5640

54	54	54	54	54	54	54
6.1	6.9	6.8	5.4	5.4	5.3	5.2
39	41	42	41	46	47	48
100	70	35		35	70	100

+50

6.4	6.1	6.8	6.6	5.4	5.4	5.2	5.1
3.6	3.9	4.2	4.4	4.6	4.8	4.8	4.9
150	100	70	35		35	70	100

5540

7.1	6.7	6.2	6.9	6.6	6.4	5.3	5.2	5.1	5.1
2.9	3.3	3.8	4.1	4.4	4.6	4.7	4.8	4.9	4.9
250	200	150	100	70	35		35	70	100

+50

6.9	6.4	6.2	6.8	6.6	6.3	5.1	5.4	5.1	5.0
3.1	3.6	3.8	4.2	4.4	4.7	4.9	4.8	4.9	5.0
250	200	150	100	70	35		35	70	100

5440

6.3	5.8	5.6	5.3	5.1	4.8	5.1	4.9	5.0	5.2
3.7	4.2	4.4	4.7	4.9	5.2	4.9	5.1	5.0	4.8
215	165	140	100	70	35		35	70	100

+50

5.8	5.6	5.3	5.1	5.0	5.0	5.2	5.1	5.2
4.2	4.4	4.7	5.0	5.0	5.0	4.8	4.9	4.8
180	140	100	70	35		35	70	100

5340

5.4	5.2	5.2	4.9	4.9	4.9	5.1	4.9
4.6	4.8	4.8	5.1	5.1	5.1	4.9	4.9
150	100	70	35		35	70	100

Yabaska Drive Extension

59+0

1.4	6.3	6.6	6.4	5.0
3.3	4.4	5.1	5.5	5.7
30		30	80	80

+50

6.8	6.9	6.3	6.1	4.9
3.9	4.8	5.4	5.6	5.8
30		30	80	80

58+0

6.8	6.8	6.1	6.1	6.0
3.9	4.9	5.6	5.6	5.7
35		30	80	80

+50

6.2	6.4	6.3	6.2	6.0
5.5	5.3	5.4	5.5	5.7
35		35	70	100

57+0

5.9	6.6	6.5	6.4	6.4	6.1
4.8	5.1	5.2	5.3	5.5	5.6
70	35		35	70	100

TP

521

10.70

4.54

5.49

10.70

56+50

5.9	6.1	5.6	6.4	6.4	6.1
4.4	4.3	4.4	4.6	4.7	4.8
75	50	35	16	35	70

10.03

10.03

Lt.

L

Rt.

BM

10.72

3.45

Chapel B.M. 11.11
Top Box Ck. 150 R.F.
Bridge 3.45
Page 13

TP

5.79

14.18

2.31

8.39

5170

8.6	1.6	6.9	6.4	6.1
3.1	2.1	3.8	4.3	4.6
30		30	80	80

750

8.3	1.4	6.5	6.8	6.6
2.4	2.5	4.2	4.9	5.1
30		30	60	80

6040

1.8	6.6	6.0	6.6	6.4
2.9	4.1	4.7	5.1	5.3
30		30	60	80

59450

1.1	6.6	6.8	6.3	6.1
3.0	4.1	4.9	5.4	5.6
30		30	60	80

10.70

1070

Roberts Proposed Extension Sunset Cliffs Blvd.
 Cota
 Morales
 11-1-54
 WA #20006

Midway Dr. to Anna St.

See pg. 28 This F.E. & F.B. 1422 pg. 61

INDEXED
 MER
 NOV 9 1954

Sunset Cliffs Blvd.

Fd. PK nail

Fd. Hub & C.T.
 R.P. 50'

$\Delta = 12^{\circ} 19' 50''$
 $R = 2000$

N 3 13 7 58
 W 13 9 23.51

50 x 3231 EC

Crd
 Island in Midway Drive

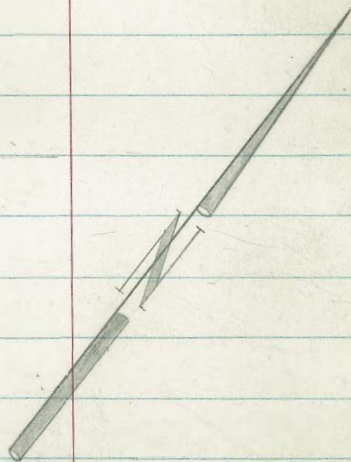
N. $41^{\circ} 45' 40''$ E. 1574.00 to P.T.

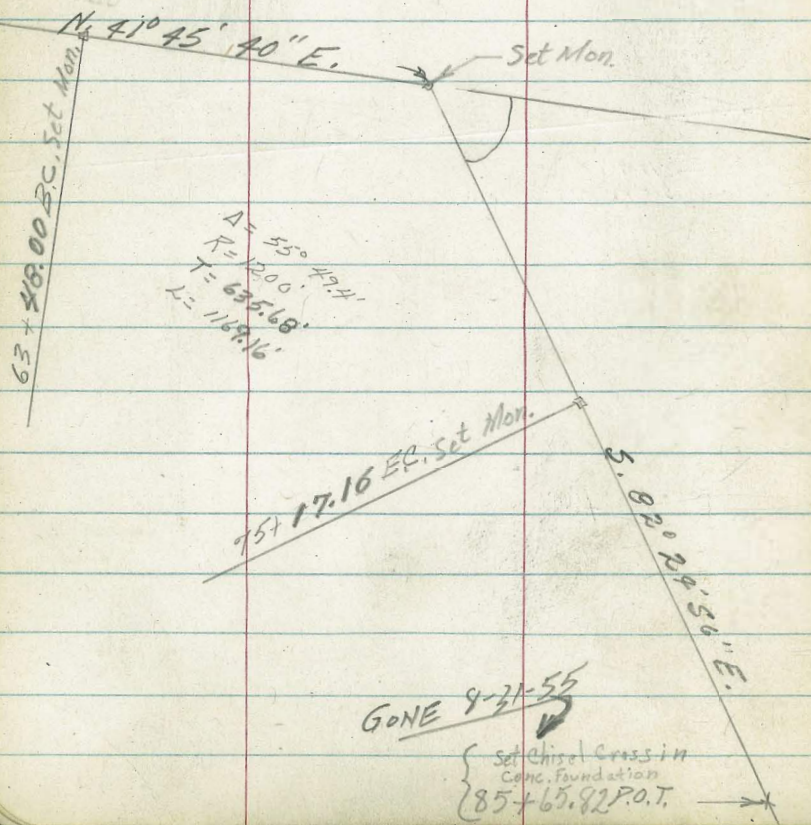
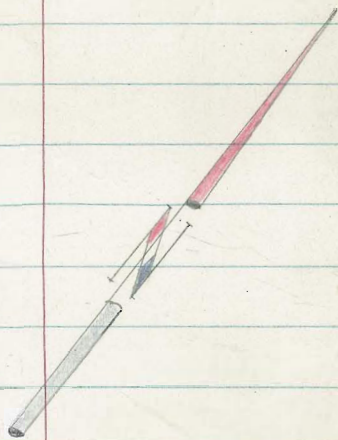
54+09.68
 Set P.K. Nail in lead

54 09 68
 50 32 31
 3 77 30

Entered in co-ord. Book #4-65.

71





POT. 85+65.82

S. 82° 24' 16" E

BC 109+67.27 Set Mon.

FR. 100' 0" 0" E

Knoxville

FC 131+09.43 Set Mon.

Fd Pipe

Set Mon.

Fillmore

Fd. Pipe

Spencer

Michigan

Soliet

Fd. Pipes

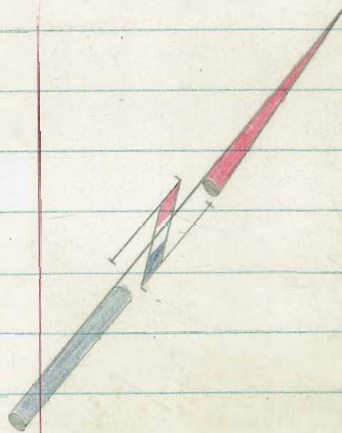
109+67.27
 75+17.16
 34 50.11
 725
 2725

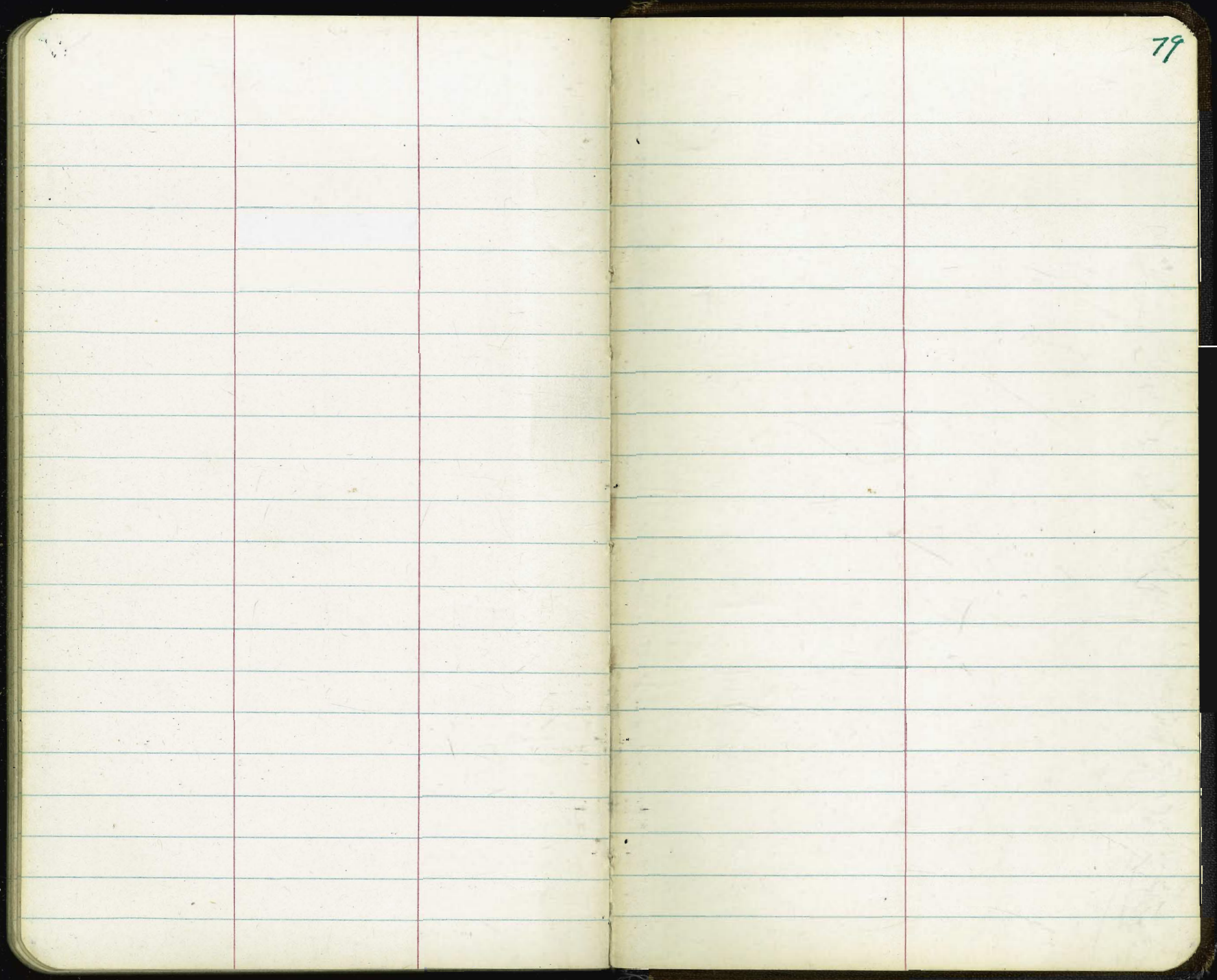
(All pipes Fd. 2" and RE. 32)

73

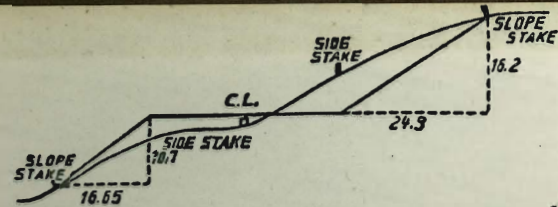
$\Delta = 61^{\circ} 22.2'$
 $\frac{1}{2} \Delta = 30^{\circ} 41.1'$
 $R = 2000'$
 $T = 1186.81'$
 $L = 2142.16'$

N. 36° 12' 52" E.





79



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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