

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.

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	.711	.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	.678	.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	.985	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

2405-2404 D

Range  
Tierra del Fuego

FROM MIDWAY DR @ FLOOD CHANNEL TO DANA LANDING

PROPOSED SEWER ON SUNSET POINT P1-17

FROM MODEL YACHT BLDG. TO CROWN POINT-LA CIMA DR.

PROPOSED SEWER ON TIERRA DEL FUEGO P12-25

4+93.01 = End.  
of pipe

Sly Lane  
Sunset Cliffs Blvd.

4+38.46 =  
End of Exist. 8" CI  
Pipe

P.O.T.

P.O.T.

See G 298 - P. 31  
30  
12

See G 299 - P. 7  
Plan - 1844 - D

3+56.21 = Hub.  
56.69  
71° 29' 35" 70°  
F.d. Ld. + ct. = BC  
R<sub>1</sub> - 41+46.03  
S36° 24' 56" W

N 122° 00' 19" W

N 153° 05' 10 1/2" W

R<sub>1</sub> Line

0+06.20 = Hub.  
Ang. 25° 25' Rt.  
0+00 = end of pipe

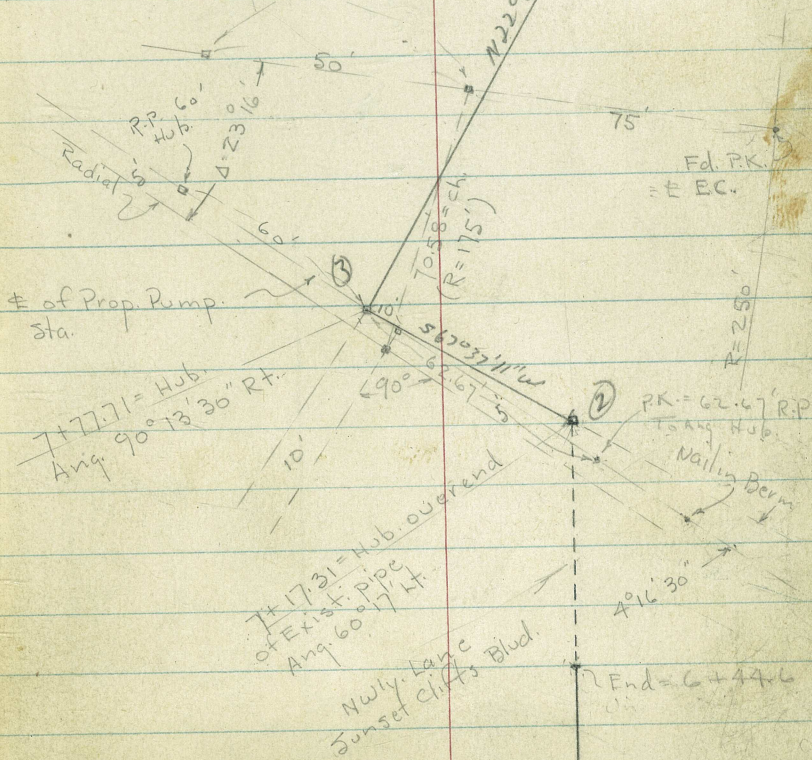
Line of Last Joint  
of Exist. 8" CI pipe

INDEXED  
JUL 10 1954

9+89.33 = Hub.  
Ang. 110° 30' 30" Lt

N 133° 39' 49" W

F.d. R.P. Hubs



F.d. P.K.  
= E.C.

± of Prop. Pump  
Sta.

7+77.71 = Hub.  
Ang. 90° 13' 30" Rt.

7+17.31 = Hub. overend  
of Exist. pipe  
Ang. 60° 11' Lt.

Nwly. Lane  
Sunset Cliffs Blvd.

End = 6+44.6

See Mission Bay Map.  
Planning Comm.

Pt. 5

"15CE"

N 5,007.53  
W 14,465.29  
ld. + ct. on MH.

5°19'45"

80°44'

107'34"

11 Lower

W 660'

26+65.27 = Hub.  
Ang. 24°04' Lt.

ld + ct.  
on MH.

Pt. #6

N 4,758.76  
W 14,362.69

02 Higher  
Prop. Site of  
Yards + Adm.  
Bldgs.

39°05'30"

N 50'11"19"

139.76

N 13°45'11"E

84°29'

P.C. = 61+66.00  
(7640 L)

13+91.87 = Hub.  
Ang. 22°31'30" Lt.

20+50.15 = PK  
Int + Ventura Blvd.

71.07

FD spike  
Ventura Blvd.

N 33°39'49" W

19+51.17 = Hub.  
Ang. 90°09' Rt.

N 76°23'49" W

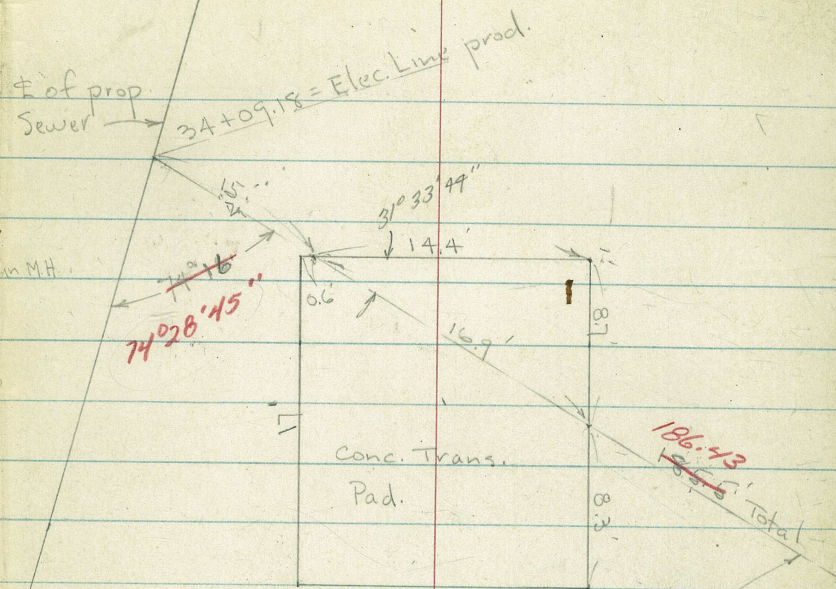
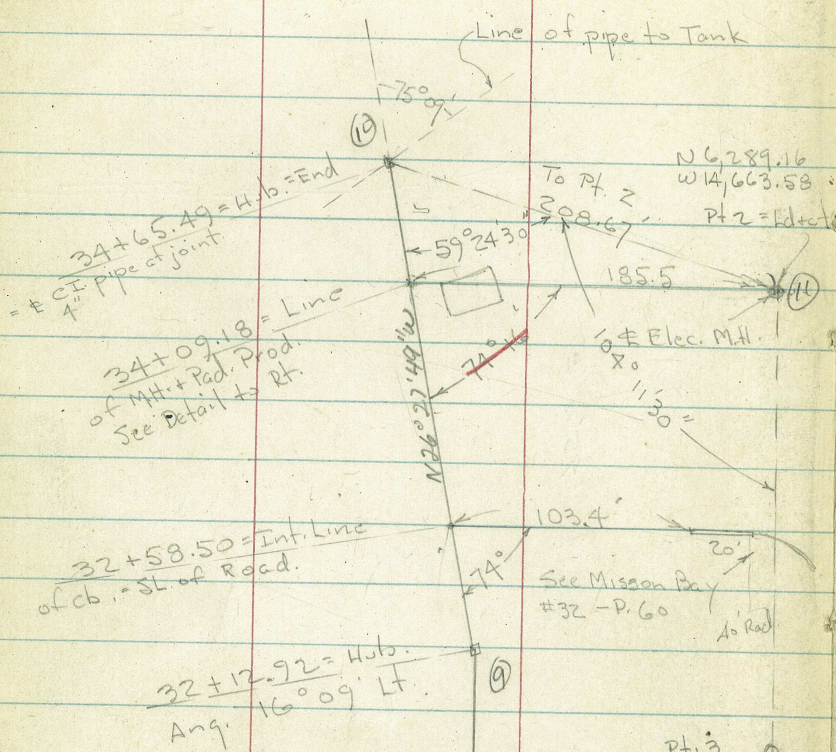
151e to STA 30+00 } N 44°59'58" W  
on R1 LINE } 2462.08

GIVES the STARTING COOR.

at STA 30+00 for all

COOR. on W.O. 64078  
Mission Bay

2012015

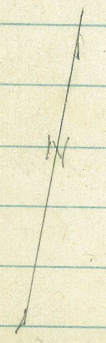


To Pt. 2  
 N 62° 28' 16"  
 W 14,663.58 ..  
 Pt 2 = Electric in M.H.

185.5  
 10' ± Elec. M.H.  
 11' 30"

103.4'  
 See Mission Bay #32 - P. 60  
 10' Rad.

Pt. 3  
 = Id. + ct. in  
 Elec. M.H.  
 N 59° 34' 10"  
 W 14,680.58



N 10° 18' 49" W

MA-84

Beg. Levels along  $\pm$  of Prop. Sewer  
w. of Midway Dr. from Sunset Cliffs  
Dr. to Dana Landing. - sketch - P-1-3

Lt.  $\pm$  Rt.

W.O. 64078. 7-6-54 = 7.0.

Books - G 298-299 - Mission Bay - 32 + 5

Plans 1843-D. - 7640-L - Mission Bay Coord. sheet

3+00

1.3  
20

2.1

2.2 = edge cb.  
18

2+50 = end of fill sect. on Rt.

1.8

2.5 3.20 2.64  
18 19 20  
edge A.C. Top gut.  
cb. cb.

2+00

1.2  
20

1.3

1.3 4.19 3.67  
10 19 20  
Toe Top gut = Pavc  
cb.

1+50

1.1

1+00

1.0

1.2 4.9  
7 = Toe 14  
Top

0+50

0.7  
20

0.9

1.2 5.6  
4 14 = Top =  
Toe shoulder.

0+06.20 = Ang Pt.

0.7  
20

0.7

0+00 = End of Exist. 8" C.I.

-1.72

1.1

7.00 6.33  
15 = 16 = gut +  
Top of Top of edge of pave  
A.C. cb. No Bell

43+00 - R<sub>2</sub> - G 299 - P. 13  
Check B.M. =  $\square$  on Nly. Island

3.81

B.M. = B.P. on Headwall

3.45

38+00 - R<sub>2</sub> - G 299 - P. 12

Bell end.

7+17.31 = end of pipe + Ang. Pt.

7+13 = ± Top A.C. cb.

7+11 = gut. = edge of A.C.

6+55 = gut. = edge of A.C.

6+54 = ± A.C. cb. of Light std.

6+49 = 3.6' Rt. = Near edge of Conc. base

6+44.6 = end of 8" C.I. - spigot end.

6+00

5+50

4+92.01 = end of pipe - Bell end.

4+83.9 = edge of cb.

4+82.9 = ± Top cb.

4+82.1 = gut. = edge of A.C. pave

4+50.2 = edge = gut. - Reg. A.C. pave

4+99.3 = ± Top of A.C. cb.

4+48.2 = edge - cb.

4+38.4 = end of Exist. 8" C.I. - spigot end.

4+00

3+50

LT	Rt.	
1.00	1.2	-1.56
on Hub.	gr.	= Top of Pipe -
	2.05	
	1.38	1.5
	2.84	
	3.54	
	3.1	-1.57
	2.7	Top of pipe
	2.5	
	2.4	-1.58 = Top of Pipe
	2.4	
	2.87	(Top of pipe shots are to Main body of pipe)
	2.19	
	1.89	
	2.53	
	2.0	
	1.7	-1.63 =
	gr.	Top of Pipe
1.4	1.6	1.8
2.0		20.6 = edge 2.35
	1.8	2.0
		1.9 = edge cb. 2.17
		Top. cb.



11+55.5 - 2.8' Rt = Hwy. Sign.

11+55

11+20 = Top of bank

11+00

10+39.5 = ± 2.5' A.C. spillway

9+89.33 = Ang. Pt. - Sect. 90° To foward tang.

9+55 = Top of bank

9+00

8+40.3 - 17.8' Rt. = N.W. Cor.

8+18 - 23.2' Rt. = S.W. Cor. <sup>23x16</sup> Conc Transformer pad

8+00

7+77.71 = Ang. Pt. - Sect. 90° To foward Tang.

7+40 - on Sand

Lt. ± Rt. 6

-3.0 0.4 0.6 1.31  
11 Water. 3 Shoulder. 0.5 6.2 ± Top cb.

-3.0 -0.7 0.8 0.8 1.42 0.73  
4.5 5 5.4 6.3 7.2  
waters edge shoulder edge ± cb. got.  
Top

-3.0 -2.3 0.73  
2.8 ± at end. ± spillway 9 = gutter Line

-3.0 -1.5 0.7 0.8 1.48  
5 4 9.5 10 = Top ±  
edge water. Top edge H.C. cb.

-2.8 -0.1 1.0  
7 = on Mod. flat 20 = edge A.C. cb.

-3.0 -0.9 0.4 0.4 1.52  
6 25 20 37.6  
edge of water Top ± Top A.C. cb.

0.6 0.8 1.40  
45 Top of bank 17.8 = Cor.

1.41  
23.2 = Gr. - Top Conc.

0.9

1.1 0.1 0.50 = on Hlb.  
6 20  
Top of Bank 0.9 0.9 0.8  
20 20

15+55

Lt.	±	RT.
-3.0	-0.2	1.3
38	28	0.7
water.	TOP	15
	bank	46.6 = ± cb.
	0.6	

15+45

15+38 = Toe

-3.0	-2.2	0.9	1.3
33		8	20
water		shoulder.	

15+00

-3.1	-2.8	-2.3	0.6
17		15	19 = shoulder
water		Toe	

14+50

-3.0	-2.7	-2.3	0.6
7		12	19
water		Toe	shoulder

14+15 = Top of Bank

13+97 = edge of shoulder.

-3.0	-2.4	0.3	1.36
6		6	19 = ± cb.
water		shoulder	
	0.5		

13+91.87 = Ang. Pt. - Sect. 90° To back Tang.

-3.0	0.5	0.61	1.30
9		on Hub.	9.8 = ± cb.
water.	shoulder		

13+57 = edge

+0.3

13+53 = 1 Rt. = outlet of 18" RC pipe Culvert.

13+49 = edge of Wash to Culvert.

-3.2	-2.8	-2.93	0.83	-2.73
10			1 = I.E. of outlet	7 = Top of box
Req. edge of water		0.3	Heddwall	

13+00

-3.1	0.2		1.03
9.5		shoulder.	8 = ± cb.
water.			

12+50

-3.1	0.0	0.3	1.05
11		3.5	5.6 = ± cb.
water		shoulder.	

12+00 = -2.7' Rt. + 5.5' Lt. = ends of 82 Hwy Sign.

-3.0	0.2	0.4	1.19
11		2.5	4.5 = ± cb.
water.		shoulder.	

19+98- 12' Lt. = ± 4" Euc.  
 19+72- 8.5' Lt. = ± 2" Euc.  
 19+61 = edge of planting  
 19+51.17 = Ang. Pt. - outs 90° to forward Tang.  
 19+41- 13' Rt. = ± 3" Euc.  
 19+00- 15' Rt. = edge of planting  
 18+71.5- 17.5' Rt. = ± 3" Pine  
 18+50  
 18+00- 22' Rt. = edge of planting  
 17+82- 15' Rt. = ± 3" Pine  
 17+50  
 17+35- 9' Lt. = ± 2" Pine  
 17+05- 10.1 Lt. = ± 3" Pine  
 17+00- 13' Rt. = edge of planting  
 16+62- 6.5' Rt. = ± 2" Pine  
 16+50.83 = Ang. Pt.  
 16+35- 13' Lt. = ± 2" Pine  
 16+20  
 16+00- 19 Rt. = edge of planting strip to  
 15+80

4.3 30	4.84 on Hub.	
4.2 30	4.8	5.0 30
	4.7	
4.6 30	4.9	4.9 30
	5.4	
3.6 30	4.6	3.3 30
	37.7	
0.5 26	3.3 10	3.3
		2.9 20 = edge of planting
	0.6	

26 + 65.27 = Ang. Pt.

26 + 0.4 = Cross 1" Water line - 90° To Road.

26 + 00

25 + 50

25 + 00

24 + 50

24 + 00 - 34 ft. = edge of planting

23 + 50

23 + 21 = edge of Planting

23 + 00

22 + 50 - 31 ft. = edge of young palm planting

22 + 00

21 + 50

(Sorry didnt see it till line was run)

21 + 04 - 0.5 ft. = Water Valve M.H. = also edge

20 + 93 = edge of Planting strip

20 + 83 = edge of A.C.

20 + 50.15 = Ventura

20 + 17 = edge of A.C.

20 + 00

Lt. ± Rt.

9

2.82 on Hub.

2.15 = Top of pipe

2.6  
30 2.6 2.4  
30

2.4

3.1  
30 2.8 2.7  
30

2.8

3.4  
30 3.2 3.2  
30

3.8

3.8  
30 4.3 4.0  
30

4.6

4.5  
30 4.5 4.3  
30

4.4

21 + 04 - 0.5 ft. = Water Valve M.H. = also edge of planting strip 4.43 1.05 2.44  
5. Rim and Bottom of M.H. top of stem.

3.74  
30 3.68 3.66  
30

4.39 = on P.K.

3.84  
30 3.73 3.54  
along edge 30 = along edge

3.8  
30 3.7 4.0  
30

Lt.      Rt.

32+25 = edge of Road.

32+12.92 = Ang. Pt.  
Ingraham

B.M. □ in N.W. cb. Dana Landing      2.27      2.13

B.M. L. Plug. in Elect. Mt. opp 58+0      2.43      2.25

B.M. = □ in base of Traffic Light      3.96      3.81

checked our circuit

Fd. error in Const Benches - Maybe due to Settlement

31+70

31+35 = edge of graded Dirt Rd.

31+00

30+50

30+00

29+50

29+00

28+50

28+00

27+50

27+46 = edge of planting

27+00

1.9  
21  
Top of slope to bay  
1.8  
2.4  
30  
1.86

G 298 - P. 13

G 299 - P. 15

G 299 - P. 14

1.3 40	1.8 30	2.1	2.1 16	2.6 30
edge of Rd.		2.4	edge of rd.	
	2.2 30	2.5	2.7 30	
		2.8		
	2.6 30	2.9	3.2 30	
		2.4		
	2.2 30	2.7	3.2 30	
		3.3		
	2.4 30	2.7	2.8 30	
		2.8		
	2.9 30	3.1	3.0 30	

Lt.      ±      Rt.

34+65.49 = # at joint of 4" C.T. to tank

0.52      2.71      2.84  
Top of Pipe      Hub      2.5 = edge of Conc.

34+56 = 4.9' Rt. end edge of A.C. - Beg. Conc. slab.

2.84  
4.9 = Cor. Conc.

34+35

1.8      2.4      2.40  
30      "      edge of A.C.

34+25.5 - 13.3' Rt. = Cor. A.C. pave

2.28  
13.3 = Cor. A.C.

34+25.4 - 11.1' Rt. = Lease Cor. A.C.

34+00

-2.0      1.0      2.0      2.4  
43      34      15 by Conc. Pad.  
High Mark      edge of Dirt fill

Cor. of Conc. Trans. Pad. - Near Cor. - See sketch P. 3

2.90      2.92  
N.W. Cor.      S.W. Cor.

33+90 - 6' Rt. = end Planting

33+83.5 - 14.7' Rt. = Lease Cor. Hub.

33+50 - 7' Rt. = planting

33+01 - 30.5' Rt. = Lease Cor. Hub.

1.8  
edge of Dirt fill

33+00 - 5' Rt. = Planting

-1.4      0.1      1.8      2.6  
45      30      40 = A.C. pave  
High water mark      on Sand. edge of Dirt fill

32+79 = edge of planting = Cor. - May be Moved.

Sewer Survey - from Model Yacht Pool  
Bldg. to Crown Pt.

Road Plan - Mission Bay

8-551-1

T.P. 1271-1272

Thru # of Dirt Road. 7  
N 0° 41' 55" E  
572.63

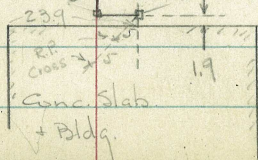
Thru # of Dirt Road. 7

⑤  
2+38.90 = Hub.  
Ang. 56° 45' Lt.

0+25.10 = Hub.  
Ang. 59° 28' 30" Rt.

0+07 = Hub.  
Ang. 90° Rt.

0+00 = Hub. = E Joint in  
4" CI pipe to Tank



INDEXED  
JUL 16 1954

Cont. on P. 13

12

N 10° 14' 35" W

⑥  
12+02.54 = Hub.  
Ang. 10° 56' 30" Lt.  
10 14 35

12+00 = Hub. =  
Tie to Coord. pt.

N 72°

67.27

73° 39'

N 90° 12.73  
W 15,154.66

N 0° 41' 55" E

N 10° 13' 52" W  
62° 44'

Line Bet  
Ld. plugs in  
Elect. M.H. - dont  
Have Coord.

N 84° 36.89  
W 15,050.73

Note: Measured Total Dist. over Bridge

Bridge

20+03.72 = end of Bridge

± 12" pipe

19+66.72 = Hub  
Ang. 45° Lt.

19+44.75 = Cross  
12" Iron pipe Ang. 61° 19"  
See Detail - P. 15

N 34° 04' 15" E

18+86.20 = Hub  
Ang. 45° 01' 30" Rt.

St.

Ingram

N 10° 12' 30" W

60'

± Prop. Sewer

60'

N 10° 14' 35" W

Cont. from P. 12

Cont. on P. 14

Buena Vista St

Jewell St. 13

5' Ld. + ct. = PC

29+75.48 = Cross  
Ang. 62° 41' 30" Rt.

50'

5'

7'

3.79

7'

5.75

± Prop. Sewer

Ingram

Ld. + ct. - 5 Line = PC

Crown Pt. Dr.

A.C. Pavc

28+27.80 = 1.21' from Ld. + ct. = PC

27+20.50 = End of Bridge  
Line Prod. from North

1.43 From curb face



± of Prop. Sewer →

← 27' → 23' →

$31 + 92.12 = \text{Cross}$   
 $= \text{E.C. on Prop. Line}$

Jewell st.

$31 + 70.21 = \text{Cross}$   
Ang.  $17^{\circ} 22' \text{ Lt.}$

See T.P. Sheet 1271  
For cb. Loc.

La Cima Dr.

$37 + 94.95 = \text{B.C.}$

± Prop. Sewer →

← 27' → 23' →

Jewell st.

$33 + 70.70 = 90^{\circ} \text{ Tie}$   
To 5' ct.  
 $33 + 58.16 = \text{Cross}$   
Ang.  $18^{\circ} 05' 30'' \text{ Lt.}$

Cont. on P. 15

18'  
90°

5

5

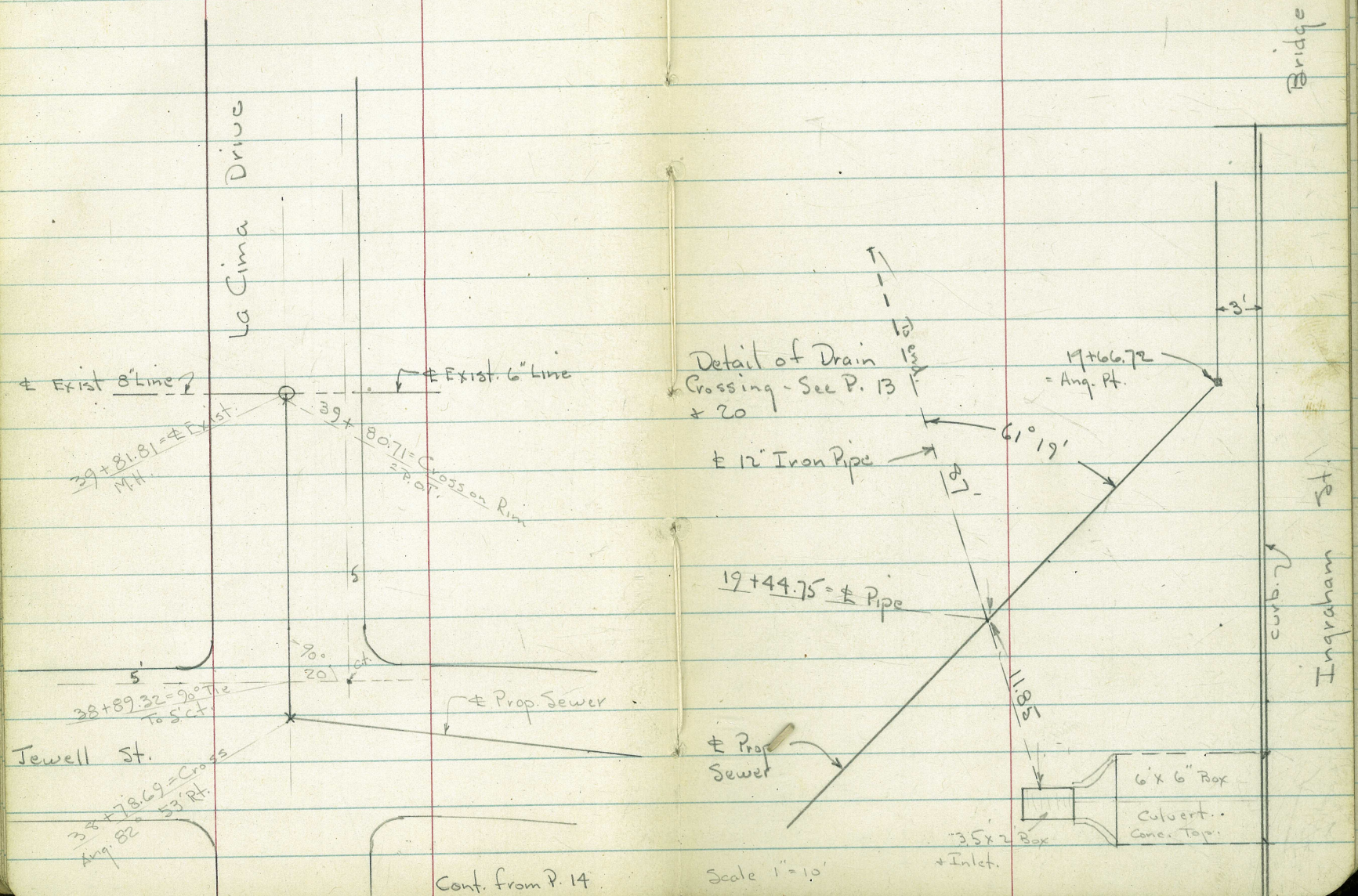
18'  
ct.

Eden Dr.

50

14

Cont. from P. 13



Beg. Levels along  $\pm$  of Prop. Sewer  
 Model Yacht Bldg. to Jewell + LaCima  
 Sketch - P. 12-15 - w.o. 64078 - 7-14-54 - 7.0.

Lt.  $\pm$  Rt. 16

2 + 38.90 = Ang. Pt. outs 90° To forward Tang

3.5 3.8 4.03 4.0 4.1  
 37.5 = 10 =  
 edge of edge of  
 Lawn + fence Rdwy.

2 + 15.

3.7 3.9 4.0 4.1  
 33 = 50 62 = edge of  
 edge of lawn in Rd. Rd.

1 + 94.5 = edge of lawn + fence

1 + 70

2.1 3.5 3.7 3.9 = edge of  
 30 30 lawn + Post +  
 cable fence

1 + 59.10' Rt. =  $\pm$  5" shrub.

1 + 35

-2.8 -1.5 1.8 3.8  
 57 37  
 water. edge of  
 Lawn

1 + 00

-2.8 -0.5 2.1 3.7  
 34 18  
 Nearest edge of  
 water Lawn

0 + 60

-2.8 1.3 3.3 4.48  
 51 = water 23 = edge  
 of Lawn 44 = edge of  
 Concr. Slab.

0 + 25.10 = Ang. Pt. outs 90° To forward Tang.

-2.8 2.0 4.2  
 72 35 =  
 edge of water edge of  
 in pool. Lawn

0 + 07 = Ang. 90° Rt. - outs 90° to Back Tang.  
on Lawn

4.67 4.45 4.4  
 9.8 = 1.9 = Conc.  
 edge of Bldg. edge

0 + 00 =  $\pm$  of 4" C.I. from Bldg to Tank at joint

4.49 = B.M. 4.42 2.04  
 on S' R.P. Cross. ground Top of Pipe (Not Bell)

B.M. = U.S.C. + G.S. B.M. 1 - 75' N. 1.82  
 of N. end of S. Bridge in E. cb.

Actual Elev. Shown.

9+00

8+60 - 12' Rt. = Beg. A.C. paving

8+50

8+25 = 25' Rt. = Near Pt - E. of Patch of Planting

8+00

7+50

7+00

6+50

6+00

5+50

5+27 = ± of A.C. strip paving to Lt.

5+00

4+90 - 14' Rt. = Near edge of 40' strip of Planting.

Planting  
Edge, ahead. (and fence)

4+48 - 40.5' Lt. = edge of Lawn at Cor. - 17.5' Lt. =

4+00

3+50

3+00

2+86.5 - 58.3' Lt. = ± Flag Pole

	Lt.	±	Rt.	
	3.8	3.7	3.73	3.52
	15		13	50 = A.C.
	edge Rd.		edge A.C.	3.68
		4.0	12 = Cor.	A.C.
	4.1	4.0	3.9	
	15		15	edge
	edge	3.8		
	3.6	3.6	3.6	
	10		10	= edge Rd.
	edge Rd.	3.6		
	3.6	3.6	3.7	
	10		10	edge Rd.
	edge Rd.	3.7		
	3.5	3.5	3.9	3.9
	100	50	13.5	
	A.C.		Beg. A.C.	
	3.5	3.7	3.8	3.9
	47	10	10	4.5
	edge fence	edge Rd.	edge Rd.	16
	+ Planting			edge
				30
			3.9	
	3.6	3.9	4.0	4.1
	39.5	10	10	4.2
	Lawn +	edge	edge Rd.	30
	fence	Rd.		
			4.0	

	Lt.	±	Rt.	
16+00	4.0	3.8	3.6	
15+50	3.0	3.9	2.0 = edge of planting	
15+34 - 19.5' Lt. ± 3" Euc. Tree				
15+00	3.8	3.8	3.8	2.72
14+50	3.0	3.8	1.9 = edge of planting	.60 Top cb.
14+00	3.8	3.9	3.6	
13+50	3.0	3.7	1.9 = edge of planting	
13+02.54 = Ang. Pt. - outs 90° to forward Tang.	3.5	3.7	3.2	2.41
12+50	3.0	3.4	.18 = line of edge of planting	3.0 Top cb.
12+00	3.6	3.5	3.2	
11+50	3.0	3.6	3.0	
11+00	3.7	3.7	3.3	
10+50	3.9	3.9	3.0	
10+48 = end planting	6.0 edge of rd.	5.0 edge of planting		
10+44 - 18.5' Lt. ± 2" Oak Tree				
10+39 - 3.2' Rt. ± 3" Oak Tree				
10+00	4.0	3.9	3.4	
9+85 = Beg. Planting	2.5 edge rd.	1.9 edge planting	3.0	
9+75 - 5' Rt. = end AC.		3.6	3.61	3.17
9+25 - Thru ± Dirt Road on Lt.	5.6	4.6	5 = AC.	5.0 AC.
	1.0	5.0		

19+38.5 - 12.8' Lt. -  $\pm$  4" Pine - 23' Lt. =  $\pm$  Shrub

19+26 - 5' Lt. =  $\pm$  Large Shrub.

19+21 - 18' Rt. =  $\pm$  Large Shrub.

19+20

19+15 - 9' Rt. =  $\pm$  Large Shrub

19+04 - 2.4' Lt. =  $\pm$  3" Pine

19+00

18+86.20 = Ang. Pt. - outs 90° to Back Tang

18+85 - 23' Rt. =  $\pm$  Large Shrub.

18+77 - 20.8' Rt. =  $\pm$  3" Acacia

18+75 - 14.5' Lt. = Marked loc. of Army Cable -

18+70 - 21.5' Rt. =  $\pm$  4" Acacia

18+60 = Propable Pt. of Crossing Army Cable

18+39 - 13.7' Rt. = Pt. over cables - shown on Plan.

18+00

17+50

17+00

16+50

Lt.

$\pm$

Rt.

19

3.6  
30

3.3

3.5  
30

3.4  
30

3.5

3.3  
30

3.6  
on Hub.

3.3  
.50

3.4  
14.5

3.6

3.3  
30

3.5

3.7

3.8 = ground  
13.7

4.0  
30

3.9

4.0  
20 = edge  
planting

3.7  
30

3.5

3.5

2.97  
60

3.5

20

edge planting Top cb.

27+20.50 = N. End of Bridge

B.M. N.W. B.P. - Eden Dr. + Crown Pt 24.32

B.M. S.W. B.P. La Cima + Gr. Pt. Dr. 16.21

check B.M. - N.E. B.P. Ingraham + Yosemite 28.84

Ran Levels over Bridge - checked Circuit - Note

check B.M. =  $\square$  in W. cb. - end of Bridge 4.43

20+03.72 = end of Bridge - 3' from cb.

19+84

19+66.72 = Ang. Pt. cuts 90° to Forward Tang.

19+65 - 2.5' Rt. = 4"x5" Conc. Tel. Marker

19+56.3 - 9' Rt. =  $\pm$  M.B. Sign 2 1/2" Pipe

19+62 - 5' Lt. =  $\pm$  shrub. + 14' Lt. =  $\pm$  8" Acacia

19+51.5 - 6.5' Rt. =  $\pm$  shrub.

19+51 - 20' Lt. =  $\pm$  6" Acacia

19+44.75 = Cross  $\pm$  of 12" Iron pipe - See Detail P. 15

Lt.  $\pm$  Rt. 20

28.53 28.49 28.49 27.83 28.03  
3.57 walk at 1.43 9ft. 10  
Rail Top cb

24.13 = Book

15.98 = Book

28.64 = Book

- or Diff.

4.45 4.43 4.43 3.90  
1.9 3 9ft.  
edge of walk at Top cb.  
Rail

3.7 3.6 3.57 3.32  
25 3 9ft.  
Top cb

3.59 3.44 3.01 3.40  
on Hub. 3 = Top 9ft. 23  
cb.

- 3.84 3.2 - 0.68 22.7  
87 - along pipe Top  
= end. along Pipe + grate  
Pipe Box

Lt.                      Rt.

28+26.4 - 3' Lt. - St. Sign

28+22.1 = end of Back of walk Curve

28.51	28.49	28.45
2.5		3.1
edge of walk		Top cb.

28+16.3<sup>opp.</sup> = P.C. of Ret.

29.2	28.53	28.50	28.43	27.95	28.12
10	4		3.1	9.5	13
	edge of walk		Top cb. = P.C.		

28+14 - 6' Lt. - 20" Palm

28+06.4 = cb. face on Ret.

28.51	27.93	28.51	28.07
11	9.5	Top	10
edge of walk			

27+95.2 19' Lt. = Most Sly Pt. on Ret.

28.35	27.84	27.92	28.07
Top	19 = gut.		10

27+91 - 3.7 Lt. = 6" Water gate Cover

27+80

27.76	27.85	28.03
10		10

27+60 - 17' Lt. = 13.5" opening Inlet - at cb face

28.02	26.90	27.65	27.96
Top cb.	17 = Top grate		10

27+50

28.06	28.00	27.39	27.63	27.94
13.1	Top cb.	6.3		10
walk at Rail		gut.		

27+37.4 = curb. face on Ret.

28.30	28.25	27.70	27.98
5.3	Top ch.	gut.	10
walk at Rail			

27+27.5 = P.C. of cb. Ret.

28.32	28.25	28.24	27.77	28.01
3.6		1.4	gut.	10
walk at Rail		Top cb. = R.		

27+27.3 - 12' Lt. = Cable enters - 2 1/2" Conduit

24.14
12 = Top of pipe



Lt. ± Rt.

30+00

29.09 29.15 29.11  
10 10

29+79 = Curb. face on ±

29.24 28.66  
Top cb. gut.

Beg. Reg. Sections along ±

8.7' ahead = P.C. of cb. Ret.

30.2 29.85 29.43 29.37 29.29 28.75 29.01  
10 Top of 2.5 2.25 3.25 9.0 13  
Brick edge of walk ± Prod. Top cb. = P.C.

8.4' ahead = 5.3' Lt. = ± 24" Palm

6.35' ahead = Prop. P.C.

Prod. Back Tang. ahead of Ang. Pt. to Locate P.C. + Palm Tree

Set B.M. on Cross

29.28

0.75' Rt + 0.90' Lt = Cracks.

29+75.48 = Ang. Pt. - Sect. 90° To Back Tang.

30.2 29.74 29.32 29.28 29.23 28.63 28.97  
10 Top of 2.5 on Cross. 3.2 9.0 13  
Brick edge of walk Top cb.

29+24.2 - 2.6' Lt = edge of walk = end Conc. Dr. + Beg. Brick cb. along

29.79 29.39 28.98 28.96 28.91 28.39 28.68  
10 on Dr. Top 2.6 3.1 9.0 13  
Brick Dr. + walk Top cb. 2.5' ahead of end of Dr. in cb.

29+01.8 = Beg. Conc. Dr. on Lt. - Normal to Lot Line

29.45 28.85 28.79 28.77 28.25 28.50  
10 = along edge 2.6 walk + Dr. 0.7 3.1 13  
gut. in Dr.

29+00 - 0.9' Lt. ± 0.7' Rt. = Crack in walk

28+95 - 2.5' Lt = Beg. 3" Conc. curb along walk + to w.

28+65

29.9 28.57 28.56 28.54 28.00 28.26  
10 2.5 = edge walk 3.1 9.0 13  
Top cb.

28+27.80 = Prop. P.C. - Crack in walk - 0.85 Both ways. from ±

29.3 28.47 28.45 28.41 27.93 28.15  
10 2.5 on Cross 3.1 9.0 13  
edge of walk Top

Lt.      ±      Rt.

32+75

31.92    31.96    31.95    31.65  
10        2.1        10  
          crack

32+30

31.65    31.65    31.53  
2.1        6  
Crack

31+92.12 = P.C. Prop. & cbs. - 2' H. ± Crack in Pavc

31.40    30.97    31.32    31.28    30.97    31.46  
Top      17        2        13        Top  
          gut.

31+70.21 = Ang. Pt. - outs 90° to forward Tang.

30.89    31.03    31.04    30.75    31.24  
10        3.3 = ±    on Cross    11.9    Top  
          Crack

31+30

30.54    30.19    30.46    30.42  
Top      13.1        10  
          gut.

30+78.9 = end A.C. + Beg. Conc. Pavc

29.89    29.49    29.90    29.70    30.13  
Top      18.5        12.9        Top  
          gut.

30+50

29.61    29.55    29.35    29.76    29.85    29.89  
10        5.9        Top        10.3    15.5  
          gut.        walk

30+40.3 - 3.4' Rt. = P.R.C. in

29.35    29.19    29.16    29.59    29.70  
10        2.6        Top        11.1    edge of  
          gut.        cb.        walk

30+33 - 2.6' Rt. = nearest pt. on Ret.

30+29.1 - 3.3' Lt. = ± 6' Gate Valve Stem

29.15    28.01  
Top of    3.3  
Cap.      Top of  
          stem.    29.26    29.12    29.04    29.44    29.57  
          10        4.4        Top        13    edge of  
                          gut.        walk

30+25

29.33    29.18    28.92    29.37    29.39  
10        11.1        Top        21.6  
          gut.        on Ret.    edge of  
    walk

30+15

			Lt.	±	Rt.	
37+00			26.77 2.1 Crack	26.77	26.54 8	
36+50			27.48 2.1 Crack	27.47	27.13 10	
36+00			28.25 2.1 Crack	28.23	27.85 10	
35+50			28.94 2.1 Crack	28.91	28.55 10	
35+00			29.66 2.1 Crack	29.65	29.28 10	
34+60			30.27 2.1 Crack	30.25	30.00 7	
34+25 = By E.C. of Prop. + cb. on Lt.			31.17 TOP	30.70 17 gut.	30.78 2.1 Crack	30.72 30.31 10
33+86 = opp. P.C. of Ret. on Rt.			31.23 10	31.22 3.5 Crack	31.16	30.69 13 gut.
33+58.16 = Ang Pt. - outs on solif			31.41 7 Crack	31.38 on Cross = T.P.	31.15 10	
33+25			32.12 TOP	31.63 18.3 gut.	31.75 3 Crack	31.75 12.9 gut.
						31.67 TOP = P.C. Ret.

Lt.

±

Rt.

25

39+81.81 = ± M.H. on Exist 8" To N. + 6" To S.

15.34 = I.E. of M.H. in ±

39+80.71 = Cross on W. Rim

20.00

39+45

21.67

39+05

23.40	22.95	23.40	23.41	23.95
Top	15 gut.		14.9 gut.	Top

38+78.69 = Ang. Pt. = Cross = B.M. 24.00

24.15	24.00
9.5	90° To back
= Crack	Tang. on Cross

38+65 in cross gut.

24.11	23.99	23.81
7.5		10
Crack		

38+45

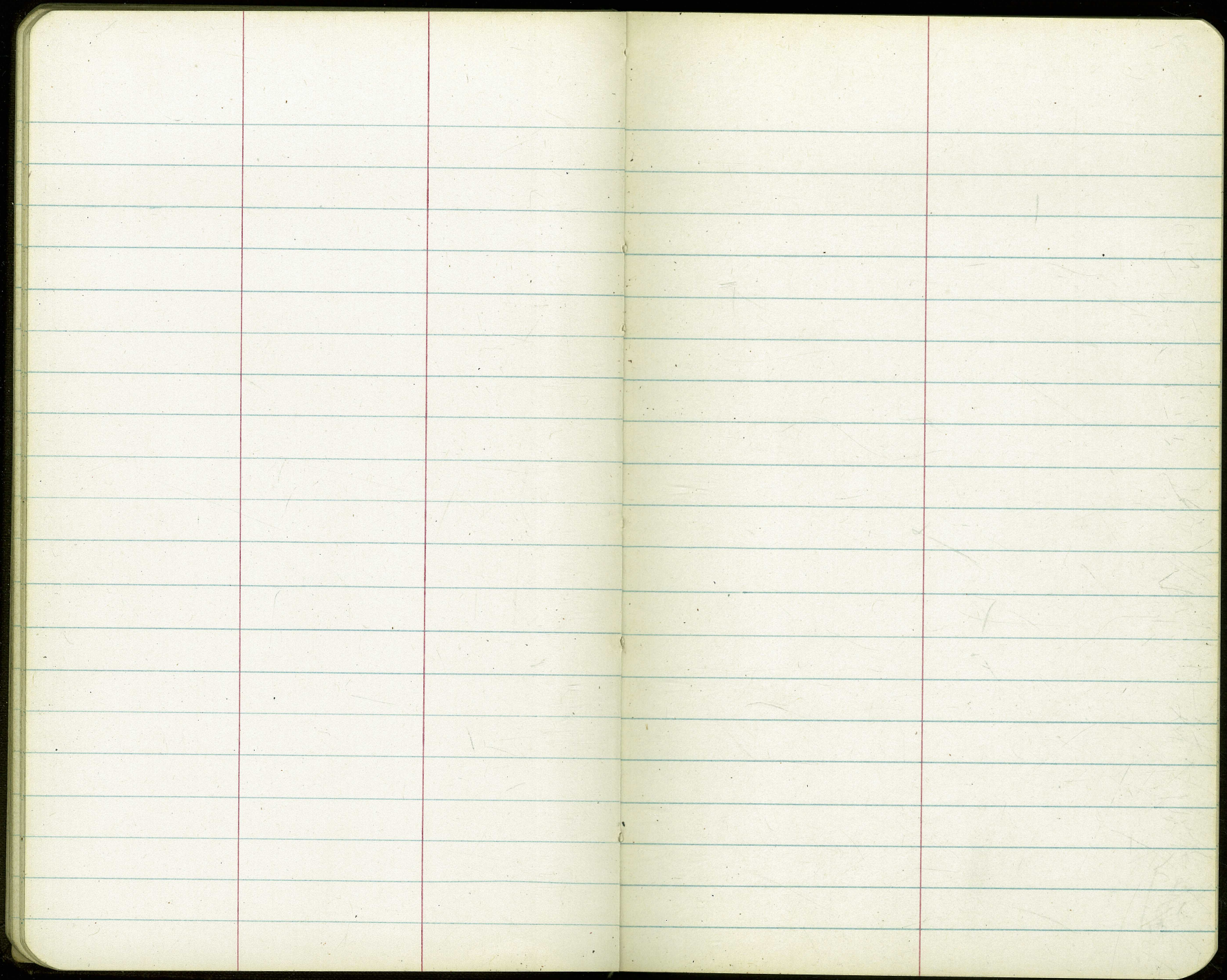
24.63	24.58	24.17	24.68
5		10	Top
Crack		gut.	

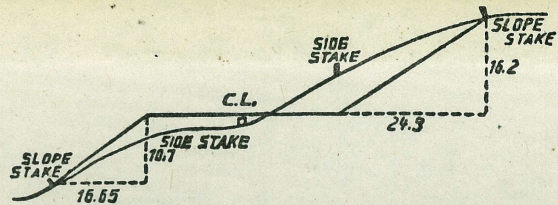
38+00

25.60	25.17	25.30	25.28	24.90	25.34
Top.	17.1	2.1		13.1	Top
	gut	Crack		gut	

37+50

26.04	26.04	25.73
2.1		10
Crack		





**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

THE NATIONAL BLANK BOOK COMPANY  
 HOLYOKE MASSACHUSETTS  
 NEW YORK CHICAGO BOSTON SAN FRANCISCO