

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	.88	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	.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	.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

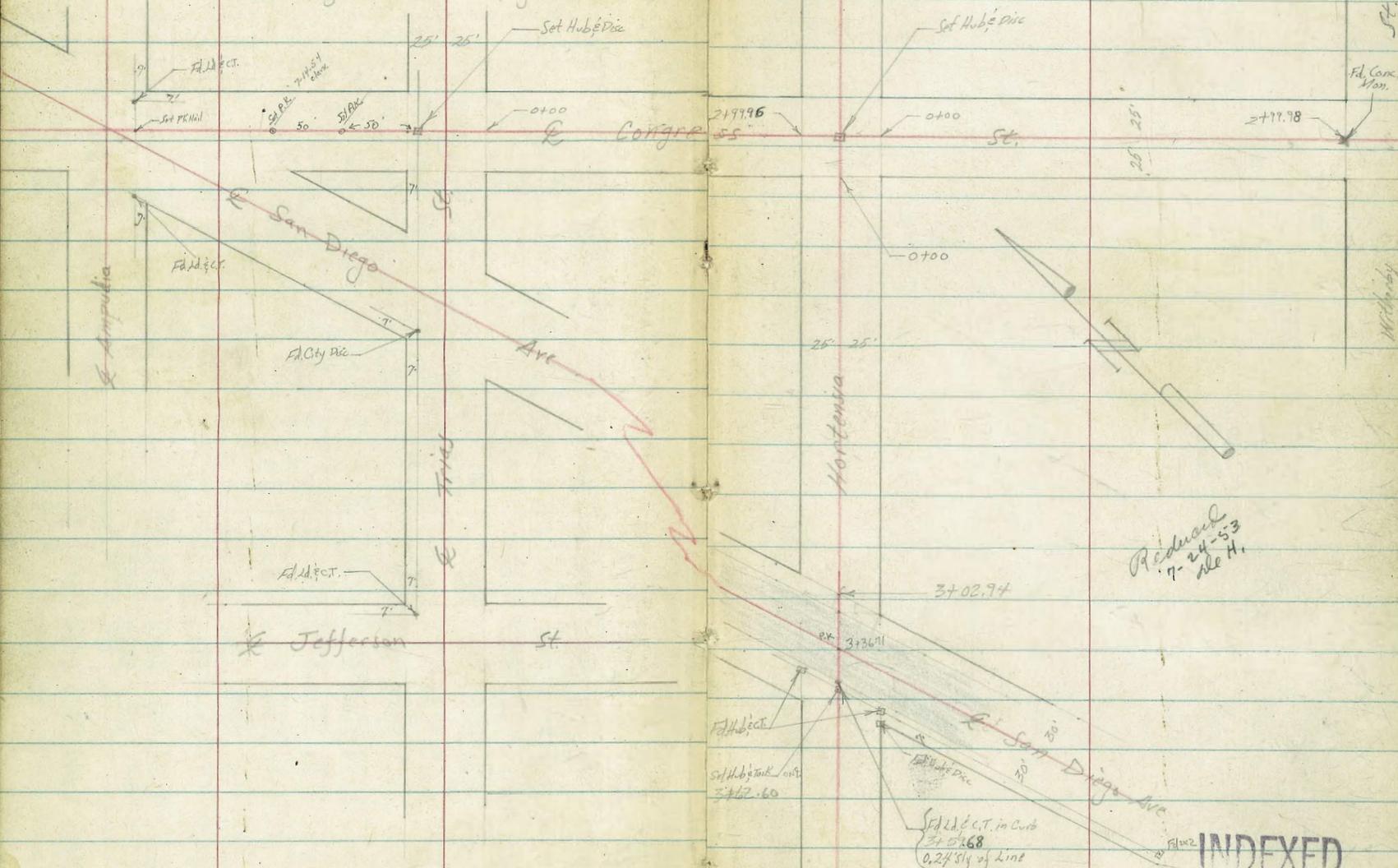
PC - SECT. HORTENSIA ST. f. Lindwood 10
 To Farnisa
 X-sec Mantalvo - w. PT. Lima 13
 Ocean View Blvd to
 X-SECT. Pynchon St. - Franklin Ave. 44-48
 Sketch page 59-60
 X-sec Deauville ST. - Roanoke to Rio Drive 59-74
 Sketch page 60 -
 Roanoke
 X-sec Morningside - Deauville ST to 74-

Roberts
Cota
Morales

7-15-53
W.D. # 32146

X-Section - Congress Street
Trias to Wetherby
X-Section Hortensia Street
Congress to San Diego Ave.
F.E. 1710 pg 42 F.E. 2139 pg 5

Established From Map
on Prop. Corner at
San Diego Ave.
See F.E. 1710 pg 44



INDEXED
JUL 21 1953

Cont'd From Page 1
Levels on Congress St.

Lt

R

Rt

2

0+25 16¹/₂ ft & 4⁵/₈ Conc. Steps & Walk

73.23
11.40 2.10
27³/₈ 16³/₈
7¹/₂ step conc

0+17 20⁵/₈ Rt to Deadman

73.8 72.9 68.6 67.7 67.4 60.1 59.4
+2.0 +1.1 3.2 4.1 4.4 11.7 12.4
35 25 14 25 42 50

0+16 18⁵/₈ ft to center T. Pole #493316A

0+13

73.8 72.9 68.7 67.7 66.8 67.1 63.6
+2.0 +1.1 3.1 4.1 5.0 4.7 8.2
35 25 14 19 25 50

0+01 24¹/₂ to End Picket Fence

0+00 Sly Line Trias

73.8 72.7 70.9 68.2 67.4 66.1 65.4 63.4
+2.0 +0.9 0.9 3.6 4.4 5.7 6.4 8.4
56 35 25 13 20 25 50

R Trias

72.3 69.2 68.5 67.5 66.6 65.8 65.2 62.8
+0.7 2.6 3.3 4.3 5.2 6.0 6.6 9.0
50 25 19 14 17 25 50

Nly Line Trias

70.3 68.1 67.5 66.8 65.6 65.2 64.7 64.2 61.7
1.5 3.7 4.3 5.0 6.2 6.6 7.1 7.6 10.1
50 35 25 16 15 17 25 50

TP 153 71.83 $\bar{\Delta}$ 722 70.30

71.83 $\bar{\Delta}$

BM 12.39 77.52

65.13 ^{data K in WY.} curb San Diego Ave. & Approx & Hortensia See FB 1710 pg. 61

1+00

74.2	72.4	70.2	69.8	69.9	70.0	61.5	61.5
35	53	75	7.7	7.8	7.7	16.2	16.2
35	25	14		15	25	37	50

0+78 24³ Lt Begin Picket Fence

0+75 24² Lt 9' Conc Walk

74.30	72.35
3.70	5.35
36 ¹	24 ¹
CONC	CONC

0+71 24⁴ Lt End Conc Block Wall

73.6	71.1	71.9
4.1	6.6	5.8
24 ⁴	24 ⁴	24 ⁴
TOP	Foot	GRD

0+51 24³ Lt begin Conc Block wall

73.6	71.0	71.8
4.1	6.7	5.9
24 ³	24 ³	24 ³
TOP	Foot	GRD

T.P. 8.39 77.70 A 2.52 69.31

77.70 A

0+50

74.5	72.1	68.9	68.6	68.5	69.3	59.7	59.4
4.7	4.3	2.9	3.2	3.3	2.5	12.1	12.4
41	25	12		13	28	41	50

0+44 18¹ Lt to deadman

0+36 20⁵ Rt to center P.P. # 2293

71.83 A

71.83 A

2+12 25' Lt ♀ 3' Conc Walk

75.17	
2.53	4.28
35	25
conc	conc

2+04

74.9	72.6	71.8	71.4	71.2	71.8	72.9	72.8
2.8	5.1	5.9	6.3	6.5	5.9	4.8	4.9
35	25	22		18	25	36	50

1+92

75.1	73.1	71.9	71.2	70.9	66.3	65.5
2.6	4.6	5.9	6.5	6.8	11.4	12.2
35	25	23		25	36	50

1+75 25' Lt ♀ Conc Walk & steps

75.10	73.60
2.60	4.10
28	25
70.50	conc

1+50

74.7	72.1	71.0	70.7	70.6	63.1	63.3
3.0	5.6	6.7	7.0	7.1	14.6	14.4
35	25	12		25	40	50

1+38 20' Rt to center P. Pole # 2283

1+25 36' Lt ♀ 6' Conc Walk

74.73
2.77
36
conc

1+22 24' Lt End Picket Fence

77.70A

77.70A

0+00 { Sly Line of Hortensia
21 Rt to center P. Pole # 3949

76.1	74.7	74.3	74.3
2.6	3.0	3.4	3.4
50	25		25

Q Hortensia

74.8	74.2	74.1	73.6
2.9	3.5	3.6	4.1
50	25		25

3+05

74.9	74.0	73.6	73.2
2.8	3.7	4.1	4.3
50	25		25

2+99.96 Nly Line Hortensia

77.8	76.7	73.9	73.6	73.2
0.4	1.0	3.8	4.1	4.5
50	35	25		25

2+50

75.8	73.0	72.4	72.4	72.0	72.4	72.0
1.9	4.7	5.3	5.3	5.7	5.3	4.7
35	25	23		18	25	35

2+43 198' Rt to center P. Pole # 5826031

2+35 25 Rt Q 3' Conc Steps & Walk

76.07	73.76
1.63	3.96
31	25
Top Step	Conc

77.76X

77.76X

2+99.98 Nly Line of Witherby

Elev. = 146.0Profile from 1+90 to 2+99.98 is
irregular.

1+90 Toe of Bank

78.7	78.7	78.0	78.2	78.3
+1.0	+1.0	+0.3	+0.5	+0.6
35	25		25	35

1+55 23 Rt to deadman

78.5	78.2	77.3	77.0	77.7	78.0
+0.8	+0.5	0.4	0.7	0	+0.3
35	25		16	25	35

1+50

1+39 23 Rt to center P.Pole # 2241

1+00

77.5	77.2	76.3	76.1	76.8	77.2
0.2	0.5	1.4	1.6	0.9	0.5
35	25		14	25	35

0+62 25th Lt to 2nd Conc. Walk

76.58	76.43
1.12	1.27
35	25
CONC	CONC

0+50

74.3	75.9	75.2	75.6	76.0
1.4	1.8	2.5	2.1	1.7
35	25		25	35

77.70X

77.70X

Contd From Page 6
Levels on Hirtensia

Lt

£

77 7

1+10 36° Lt £ 3' Conc Walk

1+09 22° Lt to center P Pole # 3937

T.P. 3.35 72.09 π 8.96 68.74

~~73.16~~
+1.07
36
conc

72.09 π

1+00

73.1 72.7 71.8 71.2 70.8 70.4
4.6 5.0 5.9 6.5 6.9 7.3
35 25 18 25 35

0+52

74.6 73.8 73.0 72.2 72.6 72.2 71.4
3.1 3.9 4.7 5.5 5.1 5.5 6.3
35 25 20 14 25 50

0+50

74.6 73.8 73.0 72.2 72.6 73.7 73.2
3.1 3.9 4.7 5.5 5.1 4.0 4.5
35 25 20 14 25 50

0+10 20° Lt to center fire hydrant

0+00 W/y Congress

74.3 73.6 73.2
3.4 #1 4.5
25 25

7770 π

7770 π

3+00 30° Rt to center T. Pole #468591H

2+96 33° Rt to center P. Pole #582604H

2+75

	68.2	67.8		65.4	65.3
	39	43	5.2	6.3	6.8
	35	25		25	35

2+51 215° Lt to Dealman

	68.8	68.5	67.5	66.5	66.2
	33	36	4.6	5.6	5.9
	35	25		25	35

2+33 217° Lt to center R. Pole #3921

2+25 35° Lt & 10' Curve Drive or walk

70.43
1.66
35.2
cont

2+00

	70.9	69.6	68.2	67.5	67.3
	1.2	2.5	3.9	4.6	4.8
	35	25		25	35

1+50

	71.9	70.9	70.4	69.6	68.9	68.2
	0.2	1.2	1.7	2.5	3.2	3.9
	35	25	22		25	35

72.09A

72.09A

Cont'd From Page 8

Lt

Q

Rt 9

Check

6.96 65.13 = 65.13

3+36.71 Q San Diego Ave.

3+14.4 Ely Curb Line

3+02.94 Ely Line San Diego Ave

72.09 A

Sections taken Parallel to San Diego Ave.

	66.71	66.42	65.50	64.24	62.83
	5.38	5.67	6.59	7.85	9.26
	70	50		50	100

	66.46	65.86	66.09	65.41	64.87	64.29	65.07	62.79	63.21
	5.63	6.23	6.00	6.68	7.22	7.80	7.02	9.70	8.88
	40	50	28	28		343	343	100	100
	cb	alt	q	alt		alt	cb	alt	cb

	66.5	66.1	65.5	64.9	65.3	64.7
	5.6	6.0	6.6	7.2	6.8	7.4
	50	28		25	28	50

72.09 A

Clark
Shepherd
Briner
Orwell

8-21-53

W.O. 25020

Ref. F.B. #1710-44

also Ref. F.B. #2317

0+65

Re. Sect. HORTENSIA
Congress to Linwood

Note: For Alignment (Sketch See Pg 1)
See also F.B. #1710-44 + 60 to 61

(N'ly) LT.

E

RT (S'ly)

10

77.1	77.9	80.6	82.4	79.3	79.7	79.3	80.7	77.1	75.6	75.0
44	4.2	1.5	+0.3	2.8	2.4	2.8	1.4	3.0	6.5	7.1
35	30	25	22	15		14	18	25	29	40
	Toe		Top	Toe						

700
S'ly of Hortensia
W'dy of Fick Above

0+54

22.0' E Deadman

0+30

77.2	77.7	74.9	75.3	75.2	74.8
4.9	4.4	7.2	6.8	6.9	7.3
35	25	17		17	25
	Shoulder	Toe			

0+28

30' RT, E House (F's Congress)
21.6 RT & Pole (Anchor Pole)
24.6 RT END MAIL

75.60
6.45
30
Fick elev.

0+10

76.7	76.9	73.9	74.3	74.8
5.3	5.2	8.2	7.8	7.3
35	25	20		25
	Shoulder	Toe		

0+00 = Ely Line Congress

24.5 RT Beg 6" (high) BK W.M.

73.3	73.9	74.2	74.7	75.2
8.8	8.2	7.9	7.4	6.9
50	25		25	50
			Brk	

0-25: E Congress

71.9	73.1	73.6	74.3	74.8	75.7
10.2	9.0	8.5	8.0	7.8	7.3
100	50	25	80	25	50
					100

T.P.

6.14 82.05 0.21 75.91

82.25

B.M.

10.99 76.12

65.13

L+T.

Approx E Hortensia W/ly CB. SAN DIEGO. (Pg 2)

MORTENSIA (cont)

2+66.5 3.8 LT E 18" Pipe (Concrete) (outfall of culvert)

2+50

T.P. 12.12 117.89 0.19 105.77

2+00

T.P. 12.26 105.96 0.51 93.70

1+61 Toe Fill Ahead to LT of toe natural
Slope ahead of E.V.R.T.

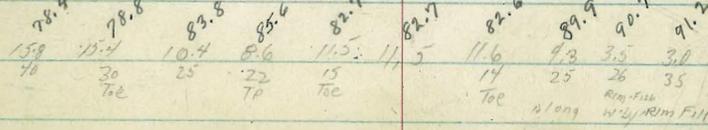
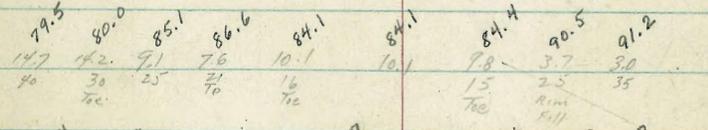
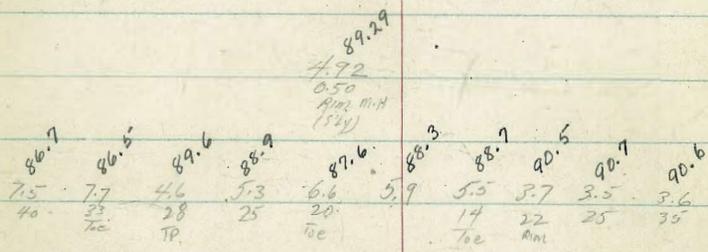
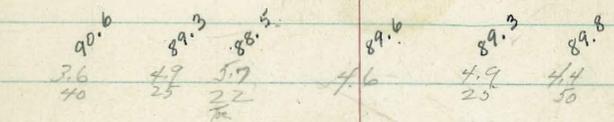
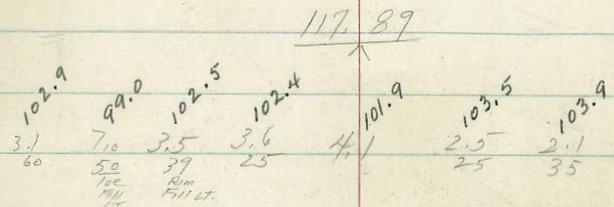
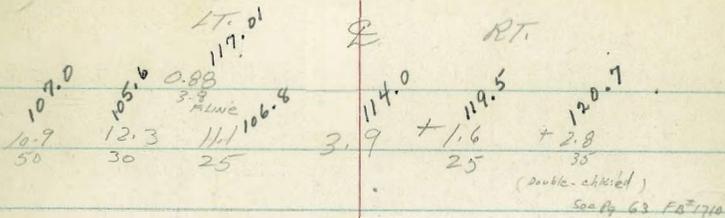
1+58.3 0.50' LT - E.M.H. (Cover)

1+35

1+00

0+89

T.P. 12.42 94.21 0.26 81.79



94.21

HORTENSIA (cont.)

H. E RT

CHK: 5.62 - 137.90 = 137.87

= Nelly Corn. Cav. Man: Hortensia & Linwood

3+74.9 = Ely Live Linwood

143.2
0.30
50
137.9
5.6
25
129.17
14.35
48
FL
131.3
122
142.8
2.7
25
153.6
10.10
50

3+70.15 = 4.8 LTR 18" Curv. T. Pipe conc.

3+40 = 23.0 RT & deadman

3+38.2 = 1.10 LTR m. (sewer)

3+37.4 = Toe-Fill
= E Linwood

130.6
129
50
129.5
4.0
25
130.0
135
13
134.6
89
135.9
2.6
12
141.1
2.4
25
149.2
5.7
50

3+24 = Ely shoulder. Fill

136.8
6.7
50
138.4
5.1
25
139.9
5.6
142.0
1.5
25
143.1
0.40
50

T.P. 4.35 143.52 - 3.67 139.17

143.52

3+08 = Wly Shoulder Fill (cuts along Mon - approx 90' to E)

136.6
6.2
50
131.8
11.0
50
137.6
5.2
25
132.3
10.3
25
139.1
3.7
133.5
9.3
141.3
1.5
25
136.5
6.3
25
143.3
0.50
50
139.8
3.0
50

2+99.9 = Wly Live Linwood

T.P. 12.94 142.84 0.10 129.90

142.84

2+80 = Toe (Fill) Slope Ahead

117.1
129
35
116.7
1.33
25
118.9
11.1
11
120.7
9.3
128.5
1.5
25
121.2
1.2
35

T.P. 12.57 130.00 0.46 117.43

130.00

INDEXED
JER
AUG 25 1953

CROSS SECTION - MONTHLY ST.

Lt.

L.

Rt.

13

From West Point Loma Blvd.

To Famosa Blvd.

INDEXED
JER
NOV 17 1950

walker
Pope.

NO 32159

pulled

slow

1-6-53

Sketch P-18-21

0+20

33.6	33.5	30.8	27.6	25.1	27.8	30.4	33.1	36.0	36.3
40	32	30	22		16	26	30	35	40
								Lawn	Lawn

T.P. on Rock

2245

0+00 sketch P-18

	26.6	25.6	26.6	26.0	27.3	31.8	34.2	34.6
40	30	22		15	25	30	33	40
							yard	yard

0-07.3 - Pole 44.5 ft.

0-10 Sec RTA

26.0	25.8	25.1	25.63	25.0	25.9	25.9
40	30	24		20	30	40

Along

0-20 Sec ELY Edge Exist Pav. W. Pt. Loma

24.47	24.64	24.73	24.92	24.81	24.62	24.35	23.89	23.10
75	50	30	20		20	30	50	75

0-26.6 - Fire Hydr. 36.5 ft.

0-47.29 Sec Along E Exist Pav. W. Pt. Loma

25.23	25.29	25.26	25.05	24.61	24.16	23.57
75	50	30		30	50	75

Direct Elev. Rod Used

24.06

FB 2169-48

SW Kentone

B.M. Large Spike in Pole & West Pt. Loma Blvd.

#2699-P

MONTALVO ST

Lt.

\$

Rt.

14

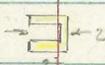
1+33 = Beg. Exist 4" Conc. Curb, ^{Very Poor} Condition through The Block

4141
20
Curb
Top

1+24 = Bag. Conc. Ret wall ^{8"} With ^{Wood} Fence on Top

4279 41.2
30 30
Top Footing,
Wall Bottom

1+16 = 2' x 2' Conc. Water Metal Bar 20' → 2'



38.68 40.00
20 22
Top

1+00

365 373 374 361 367 367 397 401 408 412
40 30 22 19 20 26 30 31 35
Lawn Lawn

TR

37.93

0+83 = 45' Conc. Steps = Walk on Rt.

3591 3809 3811 3811 4092 412
22 26 30 31 37 47
Bottom Landing Landing Top Walk
STEP

0+57 = 30" Conc. Steps

3150 3471 3467 3618 3645
19 26 30 32 36
Bottom Landing Landing Step Walk
STEP = Walk

0+50

349 351 346 306 313 307 335 349 364 3647 3661
40 32 30 21 18 25 30 33 34 37
Walk Walk
N Edge S Edge

0+50 37.2
45

2100

42.0	42.3	42.0	41.6	42.6	42.9	43.51	43.8	46.45	46.5
35	30	20	20		20	20	30	30	35
					Gut	cb			NG

1496 = 2 5' Tree on Rt. 22' Rt.

1745 = Bag. Cobble stone wall

45.77 42.3

1744 = Encl Board. Ret wall on Rt.

30	30
Top	Bottom
Cobble	Footings
Wall	

1754 = Bag " " " "

1754 = End 8" Conc. Ret wall " "

43.60
30
Wall

1455 = 9' Garage on the dirt floor

40.1
35
Dirt Floor

1750

40	40.1	40.2	39.8	40.7	41.0	41.99	42.5	43.53	42.3
35	30	21	30		20	20	30	30	30
					Gut.	cb		Wall	Footings
						NG.			

1447 = 2 3.5' Conc. Steps on Rt.

43.89	43.50	43.57
30	31.1	36.1
Bottom	Top	on
step	step	walk

1443 = End Conc. Drive

39.33	39.69
36.8	30.8
Drive	Drive

1432.7 = Bag. Conc. Drive on Lt.

38.58	39.23
39.8	39.8
Drive	Drive

2+47.8 = 1/2 Sewer MH

4312

2+46 = 1/2 1.3' Conc. Ribbon

4268 4280

42
Ribbon Ribbon

2+41 = 1/2 1.3' Conc. Ribbon To Garage

4274 4280

42
Ribbon Ribbon

3+15 = 1/2 6" Tree 22' Rt

3+09 = 1/2 5" " " "

2+83 = " 8" " " "

2+73 = " 5" " " "

2+62 = " 4" " " "

2+48 = " 5" " " "

2+30 = " 5" " " "

2+23 = 1/2 5" Tree 22' Rt

2+19 = 1/2 3' Conc. Steps

4383 4612 4615
30 25 40
Walk

CLOVIS

City
Fed. Mon

Fel. old Hub. with
Replaced
New 2" x 2" Hub
& Disc

Sketch
Volcl.

23' 23' 7"

See p. 18

MONTANO

0700

LOMA BLVD.

WEST POINT

CAMULOS

ST.

Fd. city Mon.

610009

Fd
24124

MONTALVO ST.

Map
5-53 50' E



0100

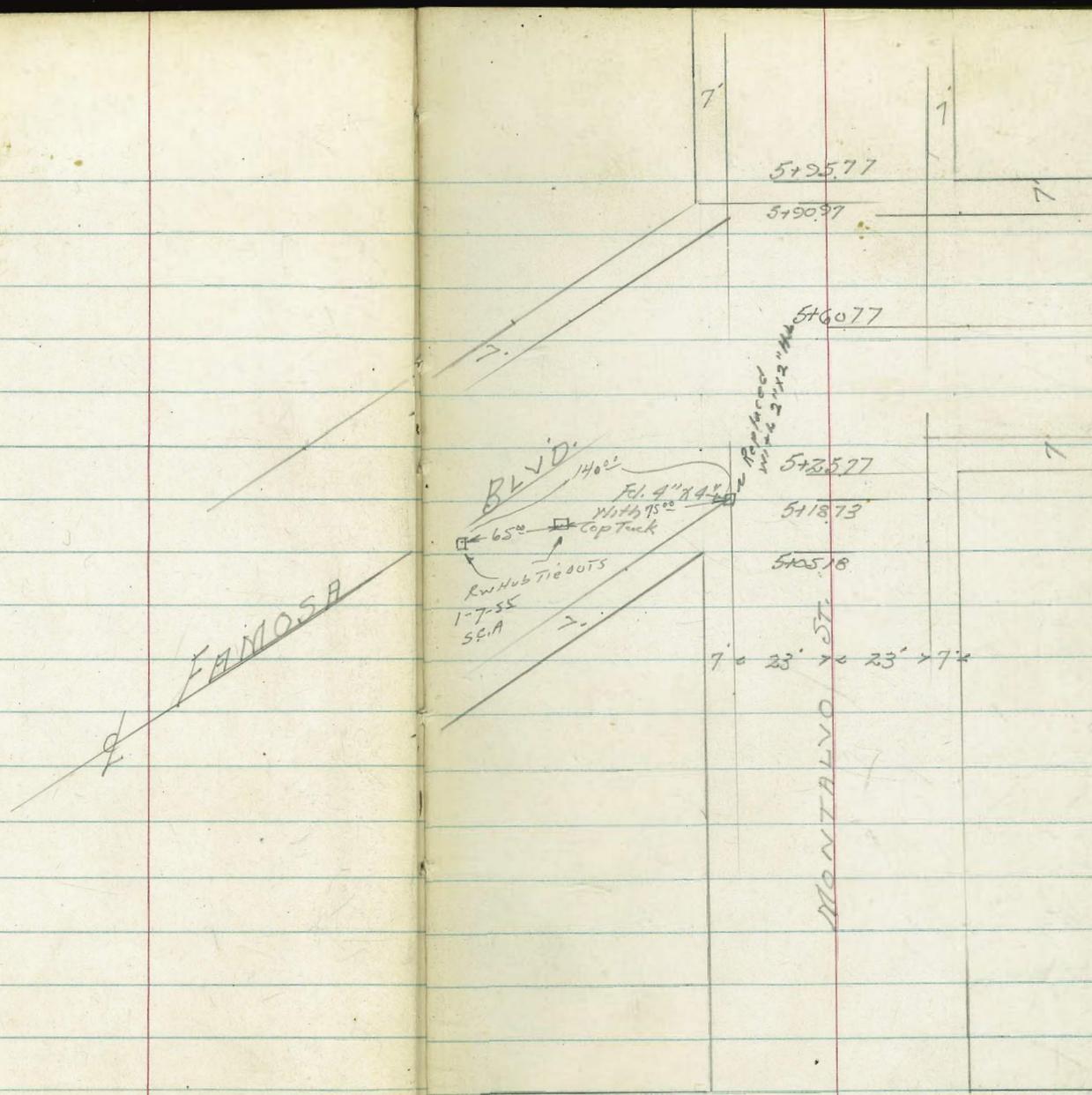
set L. Disks 12-4-50
in con gutters
7x7 all corners

CLOVIS

Fd. city Mon.

616011

1 Cont. P. 197



CAMULOS ST.
 Cont from p. 20

TP 3+28.5 on Wall on Lt. 4651

3+87 = 2' 4' Conc. Walk on Rt.

4485 4490
30 50
Walk Walk

3+74 = 2' 4' Conc Steps on Lt

4478 443
33 31 31
Steps Ground.

3+50 Wall on Lt = 8" at this step. 438

30
Bottom
Footings

4637 440 438 433 437 440 4446 447 448
30 30 22 20 20 20 20 30 40
Top

3+45.8 = Beg. 6" Conc. Tile Wall on Lt.

4642 441
30 30

3+44.6 = End Conc. Drive on Lt.

4608 4582 4395 4363 4342
34 44 30 28 21

3+39 = Beg. 6" Conc. Ret Wall on Rt. Rungs RTB to St.

45.3 47.4 44.8
30 30 30
Wall Footings

3+35 = Beg. Conc. Drive on Lt

3+25 = 2' Dirt Drive on Rt

4603 4582 4391 4355 4335
54 44 30 28 21
Brk Brk Brk

44.1 45.3 47.0 47.1
20 30 46 56

Drive Drive Drive Drive Drive

Cont. from P-17

Montano St.

Lt. R. Rt.

4+74 = 2' 30" Conc. Walk

46.00 45.70
45 33
Walk Walk

4+71 = 2' 32" Conc. Walk

45.23 45.14
32 32
Walk Walk

447 = Footing

4+50

456 457 449 444 441 44.5 44.3 44.98 45.2 45.0
40 30 30 21 20 20 20 30 40
Yard Wall Top cb NG
Low

= 2' 32" Conc. Walk on Rt

4+46 = 2' 6" Conc. Tile Wall on Lt.

45.91 45.11 45.05
30 32 40
Top Wall Walk Walk

4+34 = End 6" Conc. Tile wall on Lt.

44.6 46.42
30.1 30.1
Bottom Top
Footing Wall

4+05 = 2' 2.5' wide Conc. Walk

46.33 46.28 44.53
40 35 32
Walk Top Bottom
Step Step
= Walk

= 2' 6" Conc. Tile wall

4+00 = End 8" Conc. Tile wall

444 439 46.1 46.38 44.7 44.1 43.7 44.1 44.3 44.8 44.2 44.2
36.1 30.1 40 30.1 30 21 20 20 20 30 40
6" Bottom Yard
Footing 8" wall cb NG

Mantelvo St.

Lt.

L.

Rt.

24

5+54 = Beg 8' Conc Drive

4573	4534	4505	4488
40	30	21	20
DRIVE	DRIVE	DRIVE	TOP DRIVE

5+50

454	451	447	443	447	453	455	454
40	30	21		20	21	30	40

5+425 = End 3' Wood Fence 30' Lt.

5+23 = 1/2 30" Conc Walk

4536	4529
35	30
Walk	Walk

5+12 = End Conc Drive 30' on Lt. Beg 3' Wood Fence

4571	4517	4466	4463
40	30	23	21
DRIVE	DRIVE	DRIVE	DRIVE

5+03 = Beg Conc Drive on Lt.

4567	4511	4461	4460
40	30	23	21
DRIVE	DRIVE	DRIVE	DRIVE

5+00

454	450	443	446	443	446	444	444
40	30	20		20	20	30	40
					26		
					NA		

4+98 = End 4" Conc Tile Wall on Lt.

449	4598
31	31
Buffering	Wall
Footling	Top.

6+50				469	466	461	463	463	463	463
6+45 = $\frac{1}{2}$	12" Pine Tree	21' Rt.			30	21		21	30	40
6+36	" 10	" "	"							
6+23	" 16"	" "	"							
6+11	" "	" "	"							
6+00 = $\frac{1}{2}$	16" Pine Tree	21' Rt.		458	459	451	453	451	457	460
				40	30	21		20	30	40
5+89 = $\frac{1}{2}$	30" Conc. Walk							4556	4526	4612
								28	30	40
								Walk	Walk	Walk
									Sk	
5+84 = $\frac{1}{2}$	General MH							4536		
								Rt.		
								MH.		
5+78 = $\frac{1}{2}$	3' Conc. Walk			4584	4565					
				35	30					
				Walk	Walk					
5+62 = End	Conc. Drive			4584	4552	4520	4488			
				40	30	27	20			
				Drive	Drive	Drive	Drive			Toe

MONTANO ST.

Lt. L Rt. 26

7+49 = 3' Conc. Walk on Lt.

5388 5359 530
30 Walk 30 Walk 30

= Beg. 6" Conc. Ret. Wall on Lt.

7+34 = End 6" Conc. Tile Wall on Rt.

507 5142 510
30 Footing 30 Top Wall 30

504 49.8 52.46
30 Ground 30 Footing Bottom 30 Top Wall

7+06 = 36" Conc. Walk on Rt.

4936 4915 4877

7+03 = 24" " " on Lt.

4938 4941
40 Walk 30 Walk

30 Walk 36 Walk 46 Walk
84

7+00

495 490 486 481 485 481 485 48.8 486
40 30 20 20 20 20 30 40
cb NG cb NG Yard

6+99 = Beg. 6" Conc. Tile Wall

485 5149
30 Footing Top 30 Wall
Bottom

TR

47.70

6+85 = 20" Conc. Walk

4811 4805
40 Walk 31 Walk 20" wide

6+67 = 33" Conc. Walk

4711 4703
30 Walk 40 Walk 33" wide

6+96 = 16" Pine Tree 21' Rt.

6+83 " " " "

6+76 " " " "

6+60 " " " "

8+10.4 = Beg. Conc. Drive on Lt.

8+08.3 = 1/4 30" Conc. Walk on Rt

8+00

T.P.

57.11

7+74 = End 6" Conc. Wall on Lt.

7+68.1 = End Conc. Drive

7+56.4 = Beg. Conc. Drive

7+50

Lt. Lt. Rt. 27

60.16 59.47 58.68
41 30 21
DRIVE DRIVE DRIVE
Bk

586 5827 5900
287 287 34
Ground Walk walk

593 584 576 568 571 567 577 584 582
40 30 20 20 20 20 20 30 40
cb cb
NG NG

544 551 55.67
30 30 30.4
Footing Wall
Top

5387 5437 5438
19.8 29.8 40
DRIVE DRIVE DRIVE

5283 5408 5418
19.8 29.8 40
DRIVE Bk DRIVE

536 531 52.9 52.3 52.3 52.1 53.0 534 53.5
46 30 20 20 20 20 20 30 40
Lowin cb Lowin Lowin
NG NG

MONTALVO ST.

Runs SWLY
0+01 = 24" Brick Steps on Rt.

686	685	681	634	637	648
40	35	30	12		24

Top of Bottom step

3/4" J.R.L.V. Cor. Pipe L^s #2317

T.P. Clovis & Montalvo 65.37

0+00 Hhd. = ELY Line

8+84.03

Conc. Wall clay

628
33.7 67.07
Top 30.5
Well Top Well

650	649	646	634	636	635	657	662
40	30	23	12		19	30	40

8+72.4 = Sewer MH

634	633	629	634	631	630
40	30	14		30	40

8+54.03 = Clovis

625	623	620	623	623	623
40	30			30	40

8+24.03 = NWLY line Clovis St

607	602	596	589	595	593	600	604	608
40	30	20	20		30	30	30	40
		cb			cb	cb	Low n	Low n
		NG			NG			

Spk. in hole Montalvo & Clovis = 62.30

chk B.M. #4 FB 2169 62.31

48

8+18.4 = End Conc. Dime

6038	5964	5895
41	30	21

chk DIME DIME

MONTALVO

St.

Lt

d.

Rd.

29

0+68.4 = End Conc. Drive

0+52

on Cor. Wall

TP.

71.68

7140 7124 7025 7083

50 37 32 31
Drive Brk Brk

66.5 66.5 67.2 68.3 74.6 74.0
14 15 25 35 40

0+50

7139 7112 7069 7093
50 37 32 31
on Drive at Group Brk Brk Top Conc.

70.3 69.4 67.6 66.7 66.5 66.3 66.2 68.4 71.9 72.6 72.8
30 29 17 11 14 15 25 30 32 40

0+49.5 = Beg. Conc. Drive

0+32.8

7062 7026
40 31
Walk Top step = Walk

6953 6780 669 654 654 65.0 66.4 69.9 72.1 72.3
Conc. 22 22 11 14 25 30 33 45
Step ~~Bottom~~ Conc. Step Top "Kil" Lawn Lawn of House
N.Y. Bank slope

0+16.4 = ^{24"} Brick Walk

7195 7215
36 41
Top step Brick
Brick Walk Walk

0+0.6

625 649 67.8 71.2 71.2
16 28 30 38 48
Brick
Step

0+0.5

6823
33
Brick
Step

MONTALVO ST.

1405 = End 3 Car Garage

70.00
35
Garage
Floor.

1401.6 = 3' Conc. Walk & Steps

7550	7482	7291	726
45	34	30.2	30.2
walk	step	step	
	=walk		

1400

0+97.8 = Beg. Single Sec.

69.90
35 = Floor

754	746	729	671	671	699	701	699	7000
45	34	30	10		18	30	35	35
					Top		Ground	Conc.
					oil Drive		Floor	Floor

0+95.8 = End Dbla Garage

6977
35
Floor.

0+80 = Beg. 3 Car Garage on Rt. Conc. Floor

682	685	621	695	6976
12	15	30	35	
	Top		Conc.	
	oil Drive		Floor.	

0+78

748	741	711	621	680	680	683	670	695	705	752	755
45	34	30	15	10		13	16	36	30	37	47

0+75.2 = End 8" Conc. Wall

70.1
31
Footing

71.68
31
Top Wall

0+684 = Beg 8" Conc. Wall

71.68
31
Top
Wall

MONTALVO ST

St.

St.

St.

31

1+52

1+50 = Beg. Brick Ret Wall on Rt.

Top with
3' chain
wire fence

1+26.6 = 3' Conc. Walk

1+24 = End Brick Ret. Wall

Loose hand

1+15.7 = 5' Brick Walk & Steps

1+06.67 = Beg. Brick Ret. Wall Parallel to St.

1+06 = Beg. 8" Conc. Ret Wall Rtd to St.

Bottom = 71.0
Footing 29.9

72.7	72.7	72.6	71.9	70.9	70.8	71.2	72.4	73.1	Top
45	34	30	16	12	0	15	23	28	73.92
									29.9
									Top
									Brick Wall

75.1	74.8	73.0	71.9	70.9	70.8	71.2	72.4	73.1	74.3	75.9
45	34	30	16	12		15	23	28	30	33

1+50 76.4
43

75.88	75.4	73.31	72.8
45	33	29	29
Walk	Step	Step	
	= Walk		

72.5	73.80
29.5	29.5
Ground	Top

71.4	71.95	76.70	77.15
29.5	29.5	38.5	45
Ground	Step	Step	Walk
		= Walk	

73.94
29.5
Top Wall

Footing
6.94 = Bottom
29.5

70.3	73.94	74.75
29.5	29.5	35
Ground	Top Wall	Top Wall

MONTALVO ST

2+46.2 = End Drive

7094 7090 7045
50 405 297
DRIVE DRIVE DRIVE

2+38.8 = Beg Conc. Drive

7100 7090 7049
50 405 297
DRIVE DRIVE DRIVE

2+98 = End 8" Conc. Ret. Wall

~~709~~ 7102
5 Top
Wall

T.P.

69.35

2+35 = Bk in 8" Conc. Wall

707 7146
30.4 30.4
Footing Top
8" Wall

2+314 = 2 3' Brick Walk

712 7172 7310 7324
30.4 30.4 33 45
Stop Stop Walk
= Walk

Beg 8" Conc. Ret. Wall on St.
Beg 12" Brick Wall 29.5 ft.

2+00.7 = End 8" Brick Ret. Wall on St.

717 7237 721 717 707 710 712 718 7402^{Top} 7326 714^{12"}
305 305 30 30 10 16 29.7 29.9 29.5 29.5
Feeding Top Footing
8" Wall 12" Brick Wall
2+00.7 2+00.75

1+87.7

7335 7238 7128
62.2 40 30
Floor Drive Drive

1+86 = 1/2 4' Brick Walk

722 7224 7533 7537
30 30 36.2 46.
Ground Stop Stop Walk
= Wall

1+80 = Beg. Conc. Ribbon Drive

7335 7232 7125
62.2 40 30
Garage Drive Drive

MONTALVO ST

Lt.

Rt.

Rt.

33

3+29

670	670	667	659	661	662	669	674	677
40	30	18	8		13	20	30	40
LOWR	LOWR	LOWR						

3+01

673	673	669	671
40	30	10	

3+00

679	679	675	670	672	674	687	689
40	30	15	10		13	30	40

2+80 = 30" Conc. Walk

6884	6879
40	31A
	WALK

2+624 = End Conc. Drive

6882	6871
40	30A
DRIVE	Conc. DRIVE

2+55 = Beg. Conc. Drive on Lt.

6867	6857	670	670	671	704	709
40	30	11		15	30	35
DRIVE	DRIVE					

2+97 = End 12" Brick wall on Rt.

709	706	702	692	694	695	708	7275	70.5
40	30	19	11		15	307	307	307
							Top	Bottom Footing

MONTALVO ST

Lt.

S.

Rt.

34

3+84 = End Hedge on Rt. = 30.6 Rt.

3+685 = 3' Conc. Walk

66.80 67.13
30.6 40
Walk Walk

3+68 = 3' wide Conc Walk

65.20 65.15
45 30
Walk Walk

3' Brick wall

3+63.8 = End Conc. Drive

64.4 65.22 65.18 66.09
30 45 299 30
Bottom Drive Drive Top
Footing Wall

3+52 = Beg. Conc. Drive on Lt.

65.18 65.20 65.4
45 299
Drive Drive

T.P.

65.45

3+50 = Beg Hedge on Rt. 298 Rt.

66.0 65.8 65.3 65.4 65.5 66.8 67.0
45 30 9 12 30 40

3+47 = End Brick Parking Area

65.99 65.98
40 30.2

3+30 = Beg Brick Slab Parking Area

66.01 66.0 66.4 65.8 66.0
30.2 30 19 8
Brick
Slab

MANIZALVO ST

Lt

Rt

Rt

35

4+462 & MH.

6370
Rt
MH

4+425 = End Conc. Drive

6384 6392
40 30.1
DRIVE DRIVE

4+466 = End Conc. Drive on Rt.

6610 6703
31.3 45
Conc. DRIVE
DRIVE

4+406 = Beg. Conc. Drive on Lt

6390 6395
40 29.9
DRIVE DRIVE

4+394 = Beg. Conc. Drive on Rt

6608 6676
31.3 40
DRIVE DRIVE

4+33 = & 3' wide Conc. Walk

6623 6660
30.4 40
Walk Walk

4+00 = End 6" Brick Wall

64.2 6601 644 645 642 644 647 657 663 666
30 30 30 19 9 15 30 31 40
Bottom Top Lowin Lowin
Footing Wall

3+96 = End Conc. Drive

6618 6659
30.5 40
DRIVE

3+894 = Beg. Conc. Ribbon Drive

6622 6670
30.5 40
DRIVE DRIVE

MONTALVO ST

Lt.

Rt.

Rt.

36

5+642 = End

6337	6470	6598
152	30	45
Toe	Drive	Conc
Conc		Floor
Drive		Garage

5+562 = Bag Conc. Drive

6348	6475	6599
152	30	45
Toe	Drive	Conc
Drive		Floor
		Garage

5+50

616	615	618	617	632	625	651	657
40	30	18	14		12	30	40

5+20 = 2/4' Conc. Walk

6370	6270
40	30
Walk	Walk

TR

6297

5+00

629	630	631	628	631	635	643	648	658	662
40	30	16	12		13	17	26	30	32
Down	Down								

5+00 664
40

4+784 = 2/4' Conc. Walk

6371	6368
40	30
Walk	Walk

4+50

638	638	638	635	617	639	656	660	664
40	30	22	11		12	30	32	40

MONTALVO ST.

Lt. L. Rt.

6+43

56.8 58.1 58.6 59.9 61.4 62.5
50 30 13 30 50

6+42

on Pipe SWLY Cor. Camulos
& Montalvo TP 6303

56.5 57.8 58.7 59.1 60.4 61.8
50 30 13 30 30

6+30.09 = f. Camulos

56.3 57.6 59.3 60.9 62.1
50 30 30 50

6+13

58.3 57.4 58.2 60.4 61.0 61.3 61.6 62.1
50 40 30 11 30 34 50

6+12

57.2 57.9 58.4 60.5 61.1 61.4 62.2 62.7
50 40 30 11 30 34 50

6+08 = f. Arc Lump Elec Pole #2598 31' Rt.

6+00.09 = WBY Line CAMULOS

59.6 59.5 59.2 60.9 61.1 62.1 62.9 63.7
40 30 20 16 21 30 40

5+78.3 = f. 2' Conc. Walk

62.72 64.68 65.74
17.4 30 40
Walk Walk Walk

MONTALVO ST.

Lt. L. Ft. 38

0+87 = 2' Conc Walk
3.5' wide
0+68.4 = 2' Conc. Walk

5246 5328
39 25.2
on Walk = Walk

5550 5529
30.8 40
Walk Walk

0+66.4 = Step down in Conc. Wall

5330
25.2
0+66.45 on Wall 5322
25.2
0+66.4

0+57 = Beg. 6" Conc. Wall

529 5322
25.2 # 25.2
Bottom Top
footing 6" Wall

5336 5324
36 24.7
Toe
Conc. Drive

0+49 = Beg. Conc. Drive

5319 5401 545
36 25
on Drive Toe
Conc. Drive

T.P.

55.44

= footing.

0+48

53.3
30

5517 547 5543
40 40 30
Wall Ground Top
6" Conc. Wall

550 5545 547 548 544 547 542 567 571 575
30 25 25 17 13 16 15 30 40
on 6" Wall Conc.

0+17 = End Hedge 26.5 ft.

0+10 = Fire Hydr. 21.7 ft.

0+00 Abd = Fly line Camulos

6+60.09

570 576 577 574 576 577 593 604 613
40 30 24 13 11 14 30 40
Low 12 Low 12

6+50 = Beg. Hedge 26.7 ft.

6+47.59 31' RT 2 Pole # 500178-H

MONTALVO ST.

1+95

433 444 458 450 456 459 482 497 502
40 30 15 14 10 14 30 40

TR

5033

1+50

482 484 492 487 489 497 508 517 520
40 30 15 13 9 17 30 40

1+41.5 = 6" Conc. Wall RTA to ^{on Lt} st. 4945 4960 4981
40 30 18
Wall Wall on Wall

= 3.8' Conc. Walk on RT

1+11 = End Conc Drive on Lt

5053 5082 5121 513 518 525 5459 5520 5808
40 30 16.3 11 21 29.7 381 42
Drive Drive Toe Drive on Walk Conc.
Walk =gt Patch
Steps Top
Step.

1+02.4 = Seg. Conc. Drive on Lt

5093 5123 5165 518
40 30 16.6
Drive Drive Drive
Toe

0+99 = End 6" Conc. Wall

510 5270
25.2 25.2
Setting Footing Top

0+97

510 516 518
40 30 26
Lowin Lowin

5270 522 523 512 521 526 541 547 550 554
25.2 25.2 16 13 11 22 25 30 40
on Well Lowin Lowin

0+90.5

5268 5327
25.2 25.2
0+90.5 11/11
on wall 0+90.5

MANTALVO ST.

Lt. R. Rt. 40

3+04 = 1/2 42" Conc. Walk	311 50	324 30	331 22	347 20	350 19	345 12	351 10	354 10	3750 305	4044 37	Conc. Walk	
3+05 30' Rt.												
T.P. Nail in Fence Post on Rt.	3293											
2+93 = 1/2 DIRT DRIVE							361	367	396	417	447	
T.P.	3825						7	21	30	50		
							Toe	Drive	Drive	Drive		
							DIRT		DIRT	DIRT		
							DRIVE					
								40.4	2788			
								19				
Seq. 2.5' Conc. Walk 30' Rt.												
2+88 = End 8" Conc. Tile Wall	323		332	347	365	359	365	376	4646	4217	4338	4651
	50		30	24	15	13		11	302	302	40	40
	in yard								Top Wall	Walk	Walk	8"
	Rose bed											Wall
2+77 = 1/2 2.7' Conc. Walk on Rt.								3894	4343	4378	4495	
2+72 = 1/2 16" Cypress Tree 20' Lt.								13.3	27	30	396	
								Step	Top step	= Walk		
2+50 = Seq. 8" Conc. Tile Wall	342	354	367	367	401	395	403	402	45.1	450	46.50	46.5
	55	45	30	28	16	18		9	15	30	30.6	40
											Top	Lower
											8" wall	
2+25 = 1/2 3' Brick Walk								4383	4608	4797	4864	
								94	145	30	40	
								on	Top step	Walk	Walk	
								step	= Walk			
2+00	400	415	420	447	453	445	452	454	476	485	487	494
	45	30	26	22	18	14		9	14	29	30	40
1+86.5 = 1/2 MH.								4637				
								R. on MH.				

MONTALNO ST.

Lt. Lt. Rt. 41

4+98		-3.7 100	-2.8 100	-1.9 50	-0.6 30	3.4 10	4.1	4.4 17	11.5 30	16.8 48	19.8 58	20.3 70
TP 4+865	2.14.00 Rm	7.91					7.91					
							Km/H					
4+80		-3.7 100	-2.1 75	0.2 46	4.5 30	4.7 6	9.8		17.2 30	21.9 55	22.5 70	
4+65		-2.9 100	0.4 80	5.3 60	5.9 30	15.3 7	16.7	17.6 9	20.9 21	22.2 30	22.9 50	
TP		16.06										
4+50			4.7 80	6.2 46	11.8 30	20.3 13	20.0			21.7 30	25.0 50	
4+27			8.1 75	12.6 50	19.7 30	24.3 19	24.8	26.2 7	26.6 30	28.4		
TP		24.83										
4+00		17.9 65.0	20.4 50	23.8 30	25.1 25	28.0 19	28.3	28.6 13	29.6 19	30.4 30	32.4 50	
TP		31.23										
3+60			27.6 50	29.4 30	30.2 22	31.4 17	31.9	32.0 8	33.7 15	34.6 20	36.3 30	37.3 40

MONTALVO ST

L.

L.

R.

42

TR 10.32

TR 0.95

Set BM. 23' Lt 5+1873 -3.28 on 4" x 4" Post. ^{Sketch P. 21}

5+9577

-43	-43	-43	-43	-40	-30	-11
100	30		30	50	70	100

5+9097

-43	-43	-43	-43	-43	-40	-28	-09
100	50	30		30	50	70	100

5+65

-45	-43	-39	-40		-2.0	-15
100	50	30			30	100

5+6077

5+473-2 Pole ^{#2603} 75.8' Lt.

5+30

-45	-43	-39	-37	-27	-0.8	32	48
	50	30		30	60	76	100

-32	-22	6.0	87
	16	30	75

5+2877 Sketch P. 21

5+18 Pole Amber 48' Lt

-44	-41	-39	-32	-22	42	65	87	14.2
100	50	30		16	30	38	65	75

TR 0.86

5+05.18

5+06

-42	-35	-3.0	-16	1.2	35	5.6	34	13.4	15.8	15.8
100	50	30	8		9	30	40	53	68	78

MONTALVO ST

Lt.

L

Rt.

43

In Danger of being Graded out.
Reset To this Elevation 32.71

Montone o Camulos $\frac{0.00}{33.64 - PB 210}$

chk SE 7 Conc. Man

32.61 48

} on Surface

TP

262.1

TP

1889

7+00

-4.3
100

-4.3

-4.3
100

Clark
Bruiser
0161
6-18-54
W.032440

X-SECT PUNCHON ST.
OCEANVIEW BLVD. NLY TO IMPERIAL

44

Ref. T.S. # 3437
map # 1358

INDEXED
JER
JUN 24 1954



60

63

FRANKLIN ST.

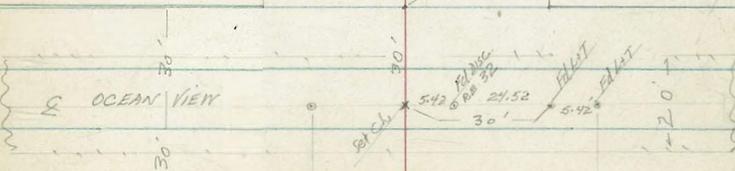
6626.84

Soil Sample
at 300

30'

30'

0200



N-SECT. PYNCHON ST.

(WLY) LT.

£

RT (ELY) 45

1449 29.7 LT Bay 3' Picket Fence
29.8 LT End 5' Steel-Wire Fence

97.91 97.88 97.83
8.01 8.04 8.07
34.5 30 25.8
Pl. Cons. Lip

1420 £ 25.8 LT apron Single gar - 34.5 Floor

98.1 98.3 98.1 98.3 98.1 98.3 98.5 98.2 99.4 99.6 100.3
7.8 7.6 7.8 7.6 7.8 7.6 7.4 6.7 6.5 6.3 5.6
50 30 20 11 9 7 15 17 20 30 50

1400

0+99.5 30.1 LT End Con. Apron - 2-car gar

99.1 98.7
6.85 7.23
4.5 30.1
con. Pl. Lip

0+78.5 29.8 LT Bay Con. Apron. 2-car gar - 45 LT Floor

99.19 98.5
6.83 6.97
4.5 29.8
Pl. Lip

0+50

99.1 99.2 99.3 99.4 98.9 99.7 99.1 100.0 100.3 100.6 100.8
6.8 6.7 6.6 6.5 7.2 6.7 6.8 5.9 5.6 5.3 5.1
50 30 20 11 9 7 15 17 20 30 50

0+100 = NLY Line OCEAN VIEW
30.1 LT Bay 5' steel wire fence

99.9 100.5 100.4 100.2 99.9 100.4 100.6 100.9 101.2 102.3 101.9
6.0 5.4 5.5 5.7 6.0 5.5 5.3 5.0 4.7 4.6 4.0
50 30 20 15 12 15 17 20 30 50

0-20 = NLY edge 1st Con. Pav.

98.52 99.52 100.15 100.56 102.22 109.88
7.40 6.40 5.4 5.36 3.70 1.04
100 50 9th 2 edge Pav edge Pav edge Pav
edge Pav edge Pav edge Pav edge Pav

0-30 = £ OCEAN VIEW (20 Con Pav £)

98.66 99.68 100.75 102.41 103.10
7.26 6.24 5.17 3.51 0.82
100 50 50 50 100
con con con con con

T.P. 120 105.92 12.63 104.72

105.92

B.M. 0.86 117.35

116.49 = S.W.B.P. OCEAN VIEW
47.46

K SECT PYNCHON (CONT)

LT.

♀

RT

46

3108 29.9 LT Beg 6" Con. Coping

96.54 97.27 96.9
938 8.78 2.0
291 29.9 29.9
FTL TP 11.4 97.0

96.9 97.3 97.8 99.0 99.6
9.0 8.6 8.1 6.9 5.3
15 20 30 50

3105 29.9 RT Beg 4' wire-fence

97.7 97.0 97.0 97.0 96.9
8.7 8.9 8.9 8.9 9.0
50 30 20 9 7.0 8.8 8.6 7.5 8.0
15 20 30 50

3100

2197 E 30 LT Lip Con. Apron Single. 9 or 4" to Floor

97.17 97.08
8.75 8.84
18 30
11 12

2191 22.80 LT END BRK. WALL

96.8 97.38 97.1
724 7.54 8.2
2280 22.80 20.8
FTG TP Wall 9rd

2150

96.8 96.9 96.8 96.7 96.4 96.5 97.5 97.9 98.2
9.1 9.0 9.1 9.2 9.5 9.4 8.4 8.0 7.7
50 30 20 9 7.5 20 22 30 50

2120 22.80 LT Dry 2' CON. BLK. WALL-8" wide

95.04 95.66 95.32
10.86 9.26 10.6
2280 22.80 22.8
FTG TP Wall 9rd

2100

91.7 91.6 95.4 95.8 96.2 96.7 98.1 99.0 99.0 99.7
10.2 10.3 10.5 10.1 9.7 9.2 7.8 6.9 6.9 6.2
50 30 20 9 15 20 24 30 50

1198 30 LT END 3' Paved Fence

96.76 96.34 96.34
266 7.58 7.58
40 3 29.5
Wall Lip

1169 E 7.5 LT 5' WALL

96.7 96.8 96.8 97.4 97.2 97.6 98.1 98.5 99.2 99.8
9.2 9.1 9.1 8.5 8.7 8.3 7.8 7.4 6.7 6.1
50 30 20 11 9 15 20 30 50

1150

105.92

X-SECT RYNCHON (CONT.)

LT. E RT.

OAK. 0.96 108.96=108.90= SW. 7' CT. FRANKLYN 474L

6+66.84= NLY Line FRANKLYN = edge of park

6+36.84 = S. FRANKLYN

T.P. 9.82 109.92 3.42 100.10

6+06.84 = S. Line FRANKLYN

5+50

5+00

4+50

(Steps Rise 6")
 Steps meet Conc. Pkch 44' LT
 35.7 LT Edge 25' Walk - Meet 5' Conc. Steps 4' Wide 39.24
 Beg grave - AVOCADO LR
 Trees hang over into ST. 5 to 6'

4+11

100.11	99.8	99.51	99.2	99.8	99.11	100.36	100.16
9.81	10.1	10.55	10.7	10.1	10.21	9.56	9.36
29	22.9	22.9	Edge Park	9	23	23	29
park	OBEND	6	brt	6	OBEND	8K	101K

101.0	99.8	99.51	100.1	101.8
8.9	10.1	11.4	7.7	9.0
100	30		30	30

98.9	97.9	97.5	97.4	109.92	96.7	96.8	97.7	97.8	98.1
4.6	5.6	6.0	5.1	6.8	6.7	5.9	5.8	5.7	5.4
50	30	20	13		6	8	20	30	50

98.1	95.7	95.8	95.7	95.5	95.6	95.4	95.7	96.5	96.7	96.9	96.4	100.1
5.4	7.8	8.9	7.8	7.7	7.9	5.1	8.3	7.0	5.1	4.8	4.1	3.4
50	30	25	20	15	5		7	10	16	20	30	50

95.7	93.4	94.4	94.8	94.5	94.5	95.6	96.2	100.0	100.3
8.3	10.1	9.1	8.7	9.0	9.0	7.9	5.3	3.5	3.2
50	30	20	13		8	13	20	30	50

93.8	96.57	94.4	93.8	93.8	94.4	94.7	94.0	94.8	94.5	95.2	94.5	94.6
7.7	6.95	7.38	7.0	9.7	9.3	7.5	8.7	9.0	8.3	6.0	5.9	
4.4	4.4	3.92	35.7	30	20	10	12	20	30	22.50		
9nd	Pkch	Step	41P									

95.4	98.9	91.2	91.6	91.8	94.7	94.4	94.8	93.2	94.2	94.2	94.5
18.1	14.6	12.3	11.9	11.7	9.3	9.1	8.7	10.3	9.3	9.3	9.0
100	50	30	20	15	13		9	13	20	30	50

103.52

7-520 BOSTON AVE - 31st. to 32nd.

COTA
CARBIE
KELLY
MORALLZ
N.O.#32915
3-42-55

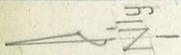
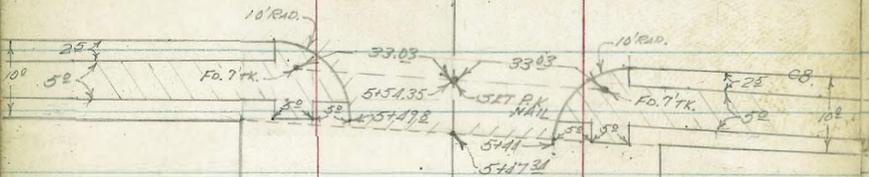
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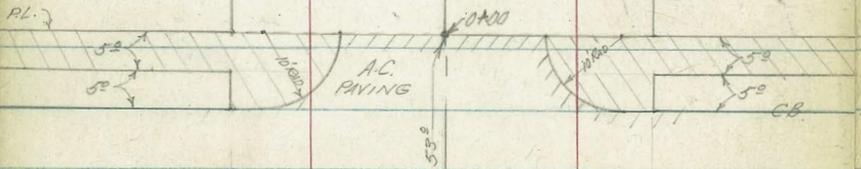
A.C. PAVING

32nd ST.



BOSTON AVE.

10' 10'



31st ST.

FO. NW 7'x

FO. SW 7'x

SET P.K. NAIL

LT.

RT.

0+16 35^A RT. TO ϕ 2^o WIDE CONC. ~~DRIVE~~ ^{WALK}

50.00 50.90 51.80
35.1 40 50

0+14 35^A RT. TO ϕ 2^o WIDE CONC. WALK

50.34 50.90 51.73
35.4 40 50

0+04^S 28^o RT. TO ϕ FIRE HYD.

0+01 38^o LT. BEGIN 2 $\frac{1}{2}$ FT. HIGH CONC. WALL

51.7 51.8
382 382
Foot 600

50.70
40
ON SIDE WALK

0+00 ELY PROPERTY LINE 31ST. - END A.C.

51.81 51.11 50.64 50.95 50.99
AS 26 26 13
ON EDGE 08 GUT.
SIDE WK.

50.55 50.04 50.43
13 26 26
GUT. 05

50.34
50
05

-0-10 ELY CB. LINE 31ST. { 26^o RT. END CB.
26^o LT. END CB.

51.72 51.11 51.4 50.84 50.91 51.00
50 50 36 36 26
08 GUT. 08 GUT.

50.19 50.00 50.50 49.84
26 36 36 50
GUT. 08 GUT.

0-30 ϕ 31ST.

50.00 51.70 51.30 50.94
100 50 26

50.64 50.30 49.36
26 50 100

B.M. USED DIRECT ELEV. ROD

51.28 N.E. B.P. 31ST. & BOSTON

0497 25³ RT END AC DRIVEWAY FOR A GAR.

5183
55
AC. FLOOR
48.50 49.32 50.35 51.38
259 350 40 48

0490 39⁰ LT TO & SINGLE GARAGE

5120
39
CONC. FLOOR

0485 38⁰ LT END 25 HIGH CONC. WALL

50.0 50.9
38 39
FOOT GED

0461 25¹ RT BEGIN AC DRIVEWAY FOR 4 GARAGES

5192 5162
55 AC. FLOOR 48
49.10 49.65 50.50
251 35 40

0455 38⁰ LT BEGIN 25 HIGH CONC. WALL

50.8 51.1
38 38
FOOT GED

0450 37⁰ LT END 25 HIGH CONC. WALL

53.2
50
51.4 51.4 50.3 49.5 49.2 49.9 49.8 48.9 49.6 49.9 50.7 51.8
10 37.9 26 25 20 9 23 28 36 10 50
GED
&
FOOT

2400

50.7	188	182	171	165	172	172	16.4	171	178	195
.50	10	29	23	21	12		21	27	40	50

1475 10⁵ LT. END 5° HIGH METAL FENCE ON
3° HIGH WALL

18.7	19.6
10.5	10.5
FOOT	CRD.

1450

512	512	19.8	182	171	178	18.0	17.3	18.0	18.2	19.6	50.9
50	10.1	10	24	22	17		21	27	33	40	50

1438 10° LT. TO 2° WIDE CONC. STEPS ✓✓

51.25	50.25
12.5	10
TOP	BOT.

1428 38° RT. TO 4° WIDE CONC. STEPS

P.P.K.

38.11	39.21	51.08
38.0	40	45.6
BOT.		TOP

1400

51.8											
150											
51.8	51.1	19.5	19.5	19.1	18.9	38.8	38.1	38.9	39.1	50.2	51.5
40	39.6	24	23	26	11		24	27	35	40	50

0499 39° LT BEGIN 5° HIGH METAL FENCE
ON CONC. WALL (3° HIGH WALL)

50.1	51.1
39.6	39.6
FOOT	CRD.

LT. ♀ RT.

3484 36° RT. TO END OF HEDGE RUNNING PERPEN-
-DICULAR TO LINE

3465 35° RT. TO ♀ 50 WIDE CONC. WK.

4470 15.10 16.26
55 10 50

3450 { 39.2 LT. END 25 HIGH CONC. WALL ✓
35° RT. TO ♀ 20 WIDE CONC. DRIVEWAY STRIP ✓

533 455 466 455 44.4 44.6 44.6
50 399 399 26 23 12
FOOT GRP

3446 35° RT. TO ♀ 20 WIDE DRIVEWAY STRIP-CONC.

4475 15.82 16.77
35.2 10 50

34295 25° RT. END CB.

442 15.07 15.23 15.38
25.9 25.9 30.1 35.4
GUT CB. SIDE WALK

W/W
50 6
9 4

3400 { 37° RT. END 50 HIGH HEDGE
30° RT. BEGIN 50 WIDE SIDE WALK
25° RT. BEGIN CURB (0.65 WIDE)

442 16.7 15.87
50 10 35.2 ←
S.W.

534 495 473 45.0 45.4 45.4
50 10 39.8 22 12

4462 15.59 15.77
25.9 25.9 30.6
DIRT TOP EDGE
GUT CB. SIDE WALK

4423 } 36.5 RT. TO END HEDGE - PERPENDICULAR TO ϕ
 39° LT. TO ϕ 5° WIDE STEPS ✓

MR. 441
 39.9 39.9
 BOT. DIET
 STEP

4409 28° LT. TO ϕ 10" FRT

4407 35° RT. TO ϕ 3° WIDE CONC. WALK

44.00 44.85 45.13
 35.7 10 50

4400

500 45.0 44.5 43.7 43.9 43.9 43.3 43.8 44.9 46.0
 40.1 40 29 28 13 25 36 40 50

3490 39° LT. BEGIN 5° HIGH CONC. WALL ✓✓

44.7 45.3
 39.8 39.8
 FOOT GRD

3489 33° RT. TO ϕ 9° WIDE DRIVE WAY - CONC.

46.72 46.35 47.20
 33.5 10 50

3488 40° LT. TO ϕ 5° WIDE STEPS ✓✓

45.86
 40.5
 BOT
 STEP

LT.

♀

RT.

4479 405 LT TO ♀ 12" WIDE STEPS ✓✓

441	43.1
405	40.5
507.	DIET
STEP	

4477 395 RT. END 22" HIGH CONC. WALL

433	43.2
395	39.5
GED	FOOT

4464 277 RT TO ♀ 20" PLEPER TREE

4450

448	43.8	429	43.2	432	42.5	43.9	45.4
401	40	22	12		24	40	50

4434 282 LT TO ♀ 18" TREE

4430 382 RT TO ♀ 12" WIDE STEPS

439	45.80
382	42.5
807	TOP

4424 39⁹ RT. BEGIN 32" HIGH CONC. WALL

443	43.7
39.9	39.9
GED.	FOOT

5445 20 LT. TO GAS VALVE

5444 39 8 RT. END 15 HIGH CONC. WALL

5444 { 25.8 RT. END OF CURB RETURN ON RT.
LOCATED AT RT. ANGLES TO E

SEE SKETCH AT TOP OF PG. RT.

5426 41 8 LT. TO E 2° WIDE CONC. WALK

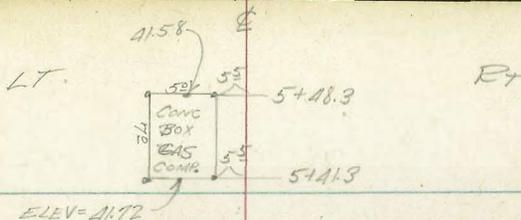
5415 28° RT. TO E 30" TREE

5401 28 5 RT. TO E OF 2 6" PALMS

5400 5 39 9 LT. BEGIN 3° HIGH CONC. BRICK WALL

5400 39.8 LT. END 3° HIGH CONC. WALL

4488 39 5 RT. BEGIN 15 HIGH CONC. WALL



41.7 41.4
39.8 39.8
GED. Foot

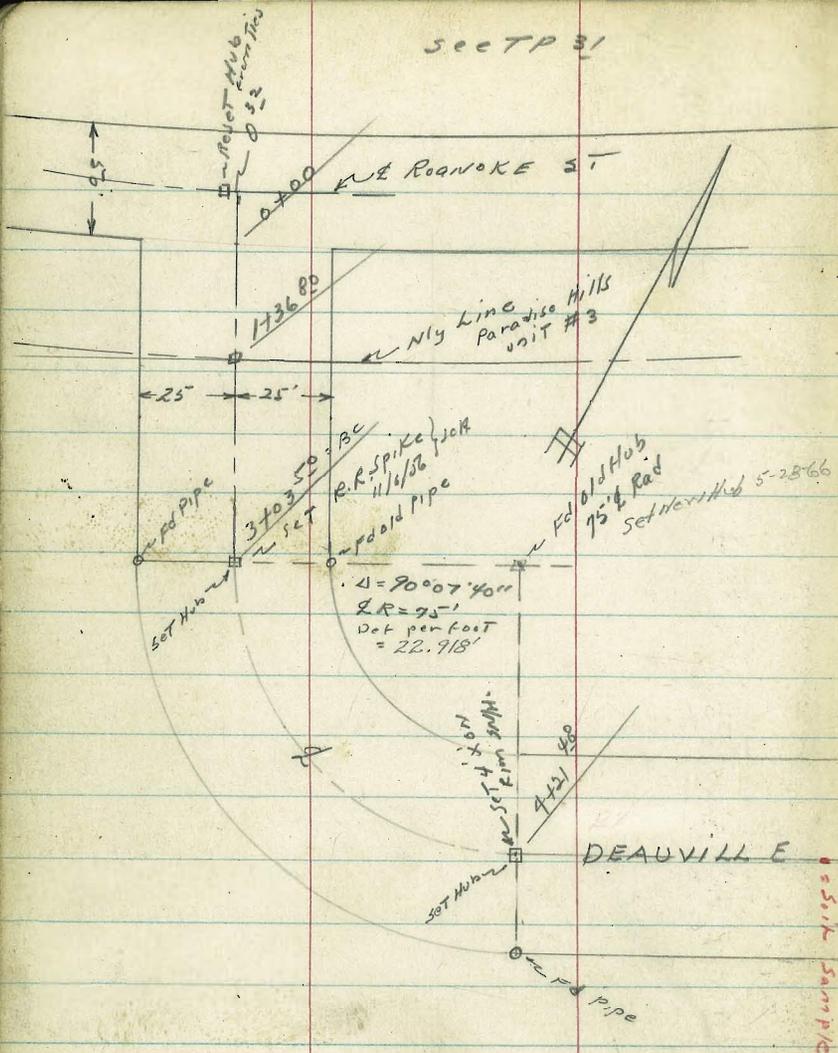
40.97 41.50 41.63 41.75
25.8 25.8 30.5 35.5
GUT CB. WALK WALK

43.54 43.5
51.8 41.8

42.4 42.9
39.9 39.9
Foot GED.

42.7 42.9 42.1 42.5 42.6 41.8 42.1 43.7
39.8 39.8 22 12 24 40 15
Foot GED

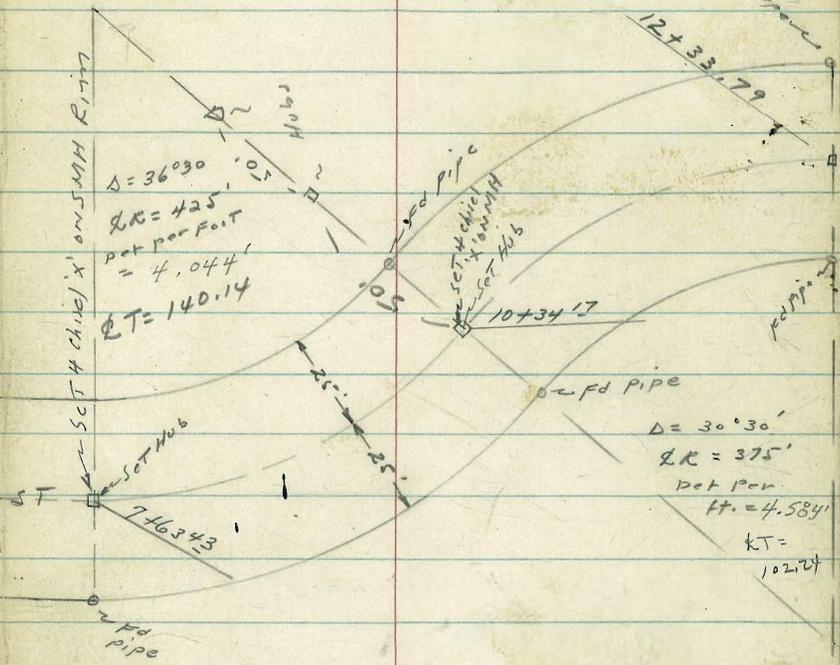
42.8 42.4
39.5 39.5
GED. Foot



X-sec Deauville St - Roanoke St to
 Leo Drive
 X-sec Morningside Drive - Roanoke St
 To Deauville St
 WO# 32538 - 5-19-55

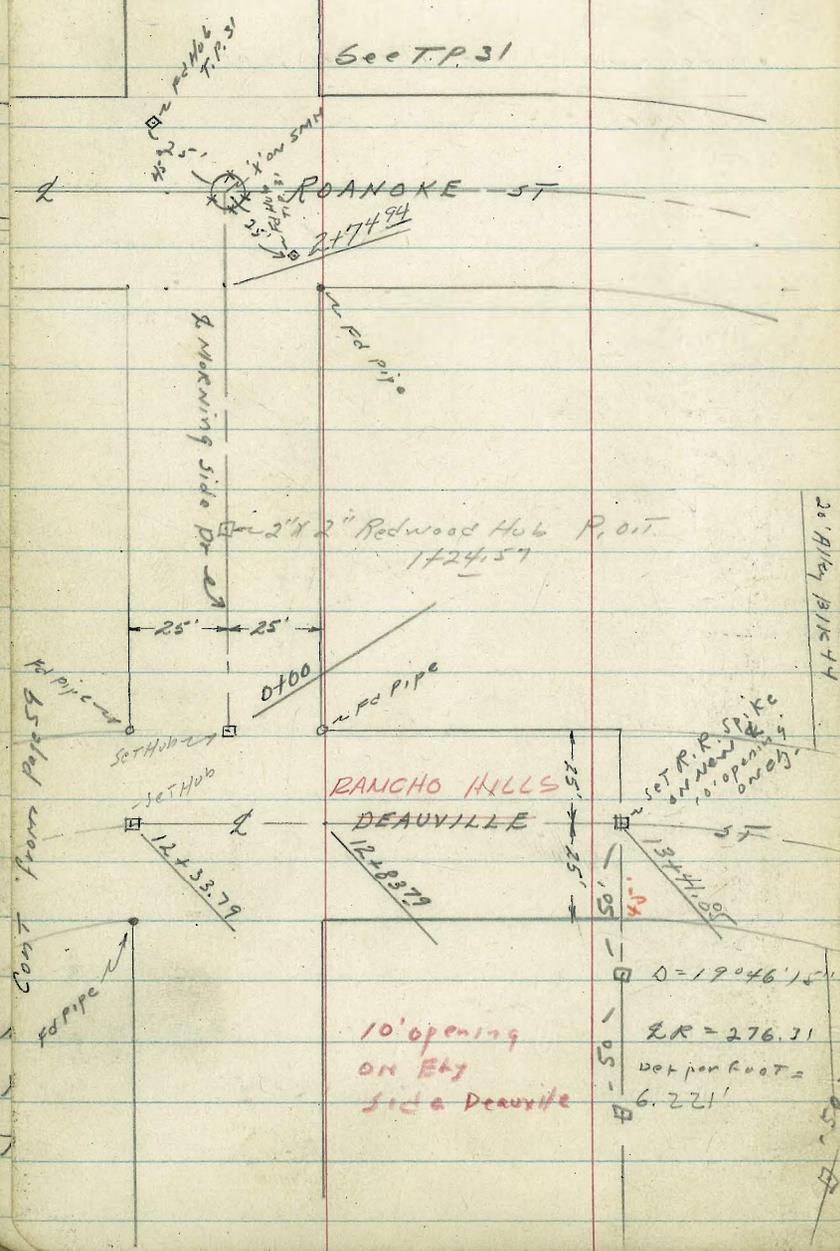
INDEXED
 JER
 MAY 20 1955

Soil Sample - Taken on E of
 Deauville St + sta 6400

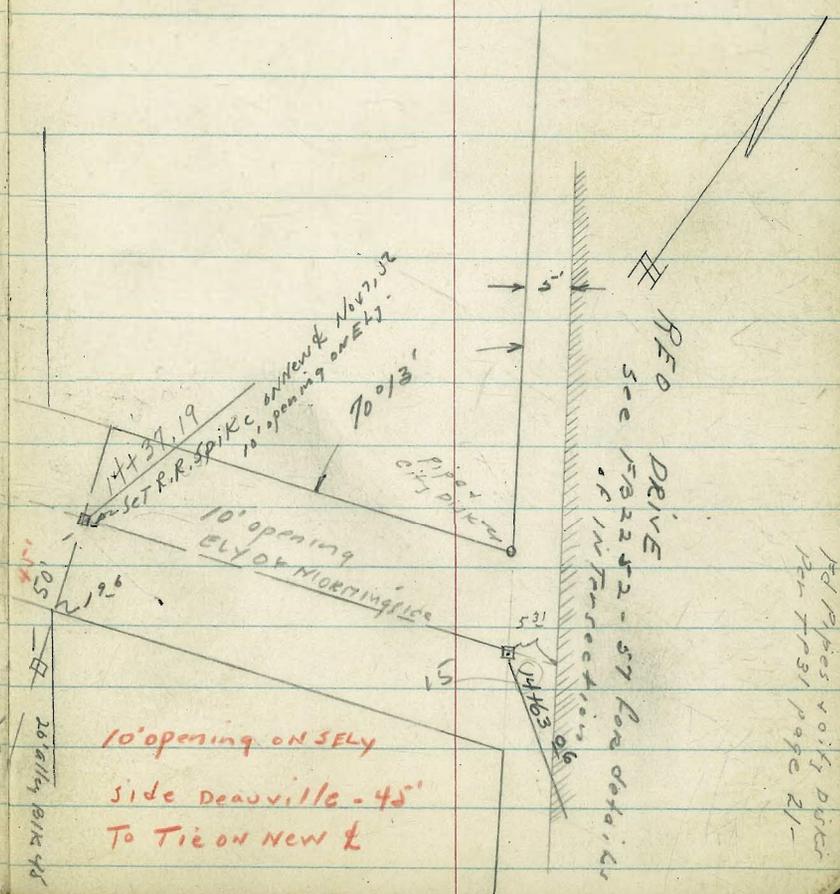


C. Allen, C. Powell, R. Parks, P. Lisen
 Ret. File Maps #s 2101, 2068.
 T.P. Sheets 2737, 2738 - TP 31.
 Note - Original Pipes found and street
 Run accordingly - some discrepancies

CONT Page 60



X-sec Deauville St. cont
 also X-sec Morningside Dr. Roanoke to
 Deauville St
 Levels Page 75 on Morningside Drive



10' opening
 on Ely
 side Deauville

10' opening on ELY
 side Deauville - 45'
 To Tie on New L

Red pipes 10' 1/2 dia
 per TP 31 page 21-

$\Delta = 19^{\circ} 46' 15''$
 $RK = 276.31$
 bot per foot =
 $6.221'$

X-sec DEAUVILLE ST
See sketch Page 59+60

0+25

0+00 = Sly Line Roanoke ST

0-03-35° LT = ϕ Fire Hydrant

0-13-34° LT = ϕ 8" Water gate Valve Cover

1⁷ RT = ϕ Sewer Man hole

Misser Hub at ϕ Roanoke ST by 0.32

Note - ϕ of Deauville ST extended

0-25 = ϕ Roanoke ST

TP ₂	1.42	204.71	11.54	203.29
TP ₁	0.22	214.83	7.25	214.61
BM	8.18	221.86		213.68

LT

RT

61

200.0	198.3	198.0	197.3	195.0
42	64	62	74	92
25	8		10	25

197.3	199.3	200.2	199.4	197.2	194.3	191.2	188.7	184.8
74	54	45	53	75	104	135	160	192
100	75	50	25		25	50	75	100

197.1

197.5

193.4

190.4

188.5
185.5

76
100

72
75

11³
25

14³
50

16²
75

194
100

197.7

197.3

195.7

195.29

195.68

70
50

74
25

90
ground

942
ON Hub

90.3
Rim SMH

17

204.71 λ

Top Fire Hyd

Nwly BP. Morningside Dr + Winchester

X-sec Deauville Cont

1475

14250

1436⁸⁰ = Nly Line Paradise Hills Unit #3

1425

TP₃ 10.75 213.50 1.96 202.75

1400

0+75

0+50

LT

207.5 206.0 203.8 200.9 199.8
 6^e 7⁵ 9⁷ 12⁶ 13⁷
 25 16 13 25

208.5 206.3 205.9 203.3 200.4 199.3 196.0 191.0
 5^e 7² 8⁶ 10² 13¹ 14³ 17⁵ 22⁵
 50 25 15 10 14 25 50 100

204.5 203.2 202.5 199.6
 9^e 10³ 11^e 13²
 25 14 25

213.50 T

205.3 205.3 203.7 202.2 201.3 200.6 197.0 193.7 188.0
 +0^e +0⁶ 10 25 3⁴ 4¹ 7⁷ 11^e 16⁷
 50 40 25 14 7 25 50 100

202.0 201.1 199.4 198.4 195.9
 2⁷ 3⁶ 5³ 6³ 8⁸
 25 14 9 25

201.0 202.0 202.3 201.5 201.6 198.5 197.5 195.4 192.3 187.2
 3⁷ 2⁷ 2⁴ 3² 5¹ 6² 7² 9³ 12⁴ 17⁵
 75 50 41 25 12 8 25 50 100

204.71 T

RT 62

X-sec Deauville cont

LT

4

RT

63

3728.50

Sections

are Taken

∅ Rad = 75'

9°32.96'

Radially to

∅ Deauville

del. per 1' = 22.918'

Chord 25' = 24.88

Def for 25' = 9°32.96'

∅ L = 117.98

3703⁵⁰ = B.C. AT - Δ = 90°07'46" - 1/2Δ = 45°03'50"

2775

2750

2725

2700

203.9

202.5

202.1

200.9

199.9

96

110

114

126

136

25

10

11

25

205.5

204.2

203.3

202.79

200.5

198.4

196.3

80

93

102

1076

130

151

172

50

25

12

ON HUB

25

50

100

204.4

203.2

202.7

201.5

200.6

91

103

108

120

129

25

13

12

25

207.0

204.8

203.7

202.4

201.0

200.5

199.3

195.0

65

87

98

111

125

130

142

185

50

25

11

12

25

50

100

205.8

204.2

202.8

200.4

77

93

107

131

25

13

10

25

209.5

206.5

205.3

203.5

202.1

200.5

196.5

193.4

40

70

83

100

114

130

150

201

50

25

15

9

25

50

100

213.50 T

X-sec Deauville ST

4+50

TP4

11.34

213.73

1111

202.39

4+21.48 = E.C.

45° 03' 50"

Chord = 17.94

4+03.50

38° 11.84'

3+78.50

28° 38.88'

3+53.50

19° 05.92'

SECTION ARE Radial to X

LT

208.0
57
50

206.4
73
25

204.6
91
6

203.5
102
10

203.3
104
8

201.3
124
25

199.3
144
50

64
190.5
23
100

213.73 T

ON 2" x 2" RW Hob at E.C.

4+21.48

206.5
70
50

204.9
86
25

202.9
105
6

202.3
112
14

200.9
126
25

199.9
136
50

197.2
163
100

188.7

206.1
74
50

204.3
92
25

202.2
113
10

201.2
123
10

200.5
136
25

198.9
146
50

196.0
175
100

187.7

203.3
102
25

202.8
117
11

200.9
126
25

198.3

205.5
80
50

203.4
104
25

202.0
115
10

201.2
123
25

199.3
142
50

197.3
162
100

194.7

213.50 T

X-Sec Deaoville ST cont

LT

RT
Deaoville
ST

65

218.40 \bar{x}

TP5 7.70 218.40 3.03 210.70

ON 1" x 1" pine stub Near 6400 on \bar{x}

6400

213.6	212.6	211.1	210.6	208.5	206.5	202.1
0 ¹	1 ¹	2 ⁶	3 ¹	5 ²	7 ³	11 ⁶
50	25	6		25	50	100

5475

211.1	209.7	209.1	207.5
2 ⁶	4 ⁰	4 ⁶	6 ²
25	7		25

5450

212.1	210.0	208.2	207.7	206.0	204.3	200.1
1 ⁶	3 ⁷	5 ⁵	6 ⁰	7 ⁷	9 ⁴	13 ⁶
50	25	6		25	50	100

5425

209.9	207.1	206.2	204.7
4 ⁸	6 ⁶	7 ⁵	9 ⁰
25	7		25

5400

210.4	208.9	206.0	205.2	203.0	201.2	195.8
3 ³	5 ⁸	7 ⁷	8 ⁵	10 ²	12 ⁵	17 ⁹
50	25	5		25	50	100

4475

208.0	205.9	204.5	204.3	202.1
5 ⁷	7 ⁸	9 ²	9 ⁴	11 ⁶
25	5		6	25

213.73 \bar{x}

X-sec Deauville ST cont

5-24-55. Rain

TPC 3.67 209.76 12.31 206.09

7+50

7+25

7+00

6+75

6+50

6+25

LT

X

RT

66

209.76

ON 2" X 2" Redwood Hub at BC 7+63.43

209.4	208.2	207.6	207.1	207.3	206.4	205.0
9 ⁰ 50	10 ² 25	10 ⁸ 9	11 ³	11 ¹ 10	12 ⁰ 25	13 ⁴ 50

210.9	210.3	209.5	208.1	207.2
7 ⁵ 25	8 ¹ 7	9 ⁰	10 ³ 14	11 ² 25

215.1	212.6	210.9	210.4	209.6	209.0	207.7	203.1
3 ³ 50	5 ⁸ 25	7 ⁵ 8	8 ⁰	8 ⁸ 10	9 ⁴ 25	10 ⁷ 50	15 ³ 100

213.5	212.0	211.2	210.7	209.6
4 ⁹ 25	6 ⁴ 7	7 ² 12	7 ⁷	8 ⁸ 25

215.7	214.0	212.7	211.8	210.1	210.1	208.0	204.0
2 ⁷ 50	4 ⁴ 25	5 ⁷ 8	6 ⁵ 12	8 ³ 25	8 ⁵ 50	10 ⁴ 50	14 ⁴ 100

213.3	212.3	211.8	210.3	209.5
5 ¹ 25	5 ⁹ 7	6 ⁶ 14	8 ¹ 25	8 ⁹ 25

218.40 π

X-sec Deauville ST Cont

9+13.43 -100' RT = ^{NW 1/4 R. in} Rim of Canyon

10° 06.66'
Ch = 24.99

8+00.43

8° 25.55'
Ch = 24.99

8+63.43

6° 44.44'
Ch = 24.99

8+38.43

5° 03.33'
Ch = 24.99

8+13.43

3° 22.22'
Ch = 24.99

7+88.43

1° 41.11'
Ch = 24.99

7+63.43 = B.C. Δ = 36° 30'

Sections are Radial to & Deauville ST

LT

2052
46
50

202.7
71
25

204.0
58
25

203.9
69
25

203.9
69
50

202.5
73
63
100
Rim
of Can.

204.6
53
25

204.8
50

203.7
61
25

204.8
50
50

204.3
55
25

204.3
55
12

204.4
54
10

205.1
47
25

204.7
51
50

202.5
73
100

203.5
63
25

203.0
68
25

202.0
78
25

205.5
43
50

204.3
55
25

203.5
63
15

203.7
61
18

203.3
65
25

202.3
75
50

200.2
96
100
195.7

205.9
40
25

205.4
44
12

205.1
47
15

203.9
60
25

203.0
68
25

209.3
15
50

207.7
21
25

207.0
28
12

206.2
36
13

206.5
33
25

206.1
37
25

203.9
60
50
100
196.8

209.76

X-sec Deauville Cont

Rain - 5/24/55

LT

R

RT

6.8

10 + 34.17 = P.R.C. - 78° LT = Bottom of Canyon
18° 15'
cband = 20.73

10 + 13.43

16° 51.10'

See page 69

10 + 01.5 - 17° RT = Swily Cork House Conc. Found. High Conc. Found.

9 + 88.43

15° 09.99

9 + 63.43

13° 28.88'

9 + 38.43

11° 47.77

Sections are Radial to &

202.3
198.2
194.9
193.2
193.2
183.9
176.0
166.9

7⁵/₅₀ 11⁵/₂₅ 14⁹/₆ 16⁶/₅ 16⁶/₅ 25⁹/₂₅ 33⁸/₅₀ 42⁹/₇₈

Bottom of Canyon

202.1

7⁷/₅₀

50

199.6
198.1
196.0
196.0
192.4
187.0

11²/₂₅ 11⁷/₂₂ 13⁸/₁₆ 13⁸/₈ 17⁴/₁₇ 22⁸/₁₆

Great House

202.1

7⁷/₅₀

50

198.8
195.7
193.7
188.8
182.2

11⁰/₂₅ 14^L/₁₂ 16^L/₁₆ 21⁰/₂₅ 27⁶/₅₀

203.3

6⁵/₅₀

50

200.1
198.8
198.0
196.5
195.1
190.9
185.5

9⁷/₂₅ 11⁰/₁₃ 11⁸/₁₁ 13³/₂₀ 14⁷/₂₅ 18⁹/₅₀ 24²/₁₀₀

204.3

5⁵/₅₀

50

203.1
201.4
201.7
201.8
199.2

6⁷/₂₅ 8⁴/₁₁ 8^L/₁₁ 8⁰/₂₅ 10⁶/₅₀

209.76 T

X-sec Deadville ST cont

10+59.17

1054.59'
Chord = 24.995

Curve Data
 $\Delta = 30^\circ 30'$
 $RL = 199.62$
 $LR = 375.00'$
Det per 1' = 4.584'

Det per 25' = 114.60'
Chord per 25' = 24.995

RT
10+34.17 = P.R.C. See Page 68

Level Rod 'Booted' with Transit

TP7 3.83 200.40 13.19 196.57

200.40 π

10+30

18°
gr = 21.6
Top Found = 18.4
gr = 23.9
Top F. = 18.4

Frame
House
2 Rooms
High Conc
Foundation

Not complete
Not much of
a house

10+015

gr = 22.7
Top Found = 18.5
209.76 π

gr = 26.3
Top Found 18.4

209.76 = π

LT

RT

69

201.8 197.9 195.4 194.6 190.3 181.2 173.3 165.8
+14 25 50 58 10 25 50 71
So 25 17 10 25 50 71
BOTTOM OF
CANYON

X-sec Deauville cont

12+09.17 - 9° RT = $\frac{1}{2}$ Bottom Canyon

13° 22.13'

198.7 187.6 186.4 186.4 184.8 175.5 173.9 177.4 183.7 190.5 195.8
 11⁷ 12⁸ 14² 14² 15⁶ 24⁹ 26⁵ 23⁰ 16⁷ 9² 4⁶
 50 44 42 36 25 9 19 25 50 75
 Bot.

11+84.17 - 25° RT = $\frac{1}{2}$ Bottom Canyon

11° 27.54'
 Ch = 24.995

191.2 189.3 187.1 187.1 186.4 179.5 176.3 172.3 181.3 184.4 191.0
 9² 11¹ 12³ 12³ 14² 20⁹ 24¹ 28¹ 19¹ 16² 9⁴
 50 42 40 32 25 12 25 40 50 75
 Bottom Canyon

11+59.17 - 24° RT = $\frac{1}{2}$ bottom Canyon

9° 32.95'
 Ch = 24.995

196.4 189.7 188.7 188.7 187.2 180.4 171.6 171.6 174.5 179.7 186.2
 4⁰ 10⁷ 11⁷ 11⁷ 13² 20⁰ 28⁸ 28⁸ 25⁹ 20⁷ 14¹
 50 32 30 25 22 24 25 32 50 75
 Bottom Canyon

11+34.17 - 35° RT = $\frac{1}{2}$ bottom Canyon

7° 38.36'
 Ch = 24.995

201.6 193.1 191.0 190.1 188.0 183.7 174.6 170.3 174.7 182.6
 11² 7³ 9⁴ 10³ 12⁴ 16⁷ 25⁸ 30¹ 25⁷ 17⁸
 50 25 22 18 15 25 35 50 75
 Bottom

11+09.17 - 50° RT = $\frac{1}{2}$ bottom Creek (Canyon)

5° 43.77'
 Ch = 24.995

202.5 193.8 190.0 186.2 181.8 178.8 168.9 171.8
 + 2¹ 6⁶ 10⁴ 14² 10⁶ 21⁶ 31.5 20⁶
 50 25 17 20 25 50 75
 Bot.

10+84.17 63' RT = $\frac{1}{2}$ Bottom Canyon

3° 49.18'
 Chord = 24.995

202.8 195.3 192.1 191.3 186.6 179.1 172.1 167.4 172.4
 + 2⁴ 5¹ 8³ 9¹ 13⁹ 21³ 28³ 33⁰ 18²
 50 25 18 12 25 50 63 75
 Bottom Canyon

Canyon has sharp 'V' Bottom

X-sec Deauville ST cont

50° LT = Bottom Canyon.

12+83.79 = Fly Line Morningside Dr

TP₁₀ 10.98 213.11 1.06 202.13

TP₉ 12.84 203.19 0.63 190.35

Side Shot for BM. 13.15 177.83

TP₈ 3.58 190.98 13.00 187.40

25° LT = Bottom Canyon

12+58.79 = Morningside Drive

See X-sec Morningside Dr

} = Wly Line Morningside Dr

12+33.79 = E.C. - 12° LT = Bottom Canyon

15° 15'
ch = 24.62

12+22 = Bottom Channel of Canyon

LT

R

RT

Z

184.4 179.6 188.9 197.9 199.5 201.7 202.9 205.3 206.0 210.5

20⁷ 33⁵ 24³ 15² 14⁶ 11⁴ 10² 7⁸ 7⁶ 3¹

7⁵ 50 25 6 12 25 33 50 100

Bottom RIM

213.11 π

of Deauville ST - 0700 page 60 -
on 2" x 2" Redwood & Morningside & Fly Line

190.98 π

194.0 185.8 177.1 189.5 197.4 201.8 203.4

6⁴ 14² 23³ 10⁹ 3² + 14⁴ + 3⁰

7⁵ 50 25 Bottom RIM Canyon 7⁵

187.7 178.9 174.6 181.5 190.0 194.9 196.8 199.3

12² 21⁵ 25⁸ 18⁹ 10⁴ 5⁵ 3⁶ 1¹

50 25 12² 25² 25² 25 40 50 75

188.0 181.2 175.1 174.7 176.3 183.5 186.6 194.6

12⁴ 17² 25³ 25² 24¹ 16² 13⁸ 5⁸

50 25 12 200.40 π 10 15 25 50

X-Sec Deauville ST

14+03.65 - Radial to NWly cor 20' Alley
6° 24.45'

13+91.85

5° 11.04'

13+66.85

2° 35.52'

13+41.85 = B.C. RT

13+20

13+00 - 73°

LT = bottom canyon

LT

R

RT

72

205.5
7⁵
25
NWly cor
Alley

206.5
6⁶

207.6
5⁵
25

203.7
9⁴

204.9
8³

206.3
6⁸

206.3
6⁸

207.6
5⁵

208.8
4³

209.5
3⁶

50

25

7

25

50

75

202.6
10⁵

204.8
8³

207.3
5⁸

207.3
5⁸

207.2
5⁹

207.6
5⁵

208.7
4³

50

50

25

17

15

25

50

201.9
11²

203.0
10¹

204.5
8⁶

206.13
6⁹

206.4
6⁷

207.6
5⁵

209.3
3⁸

211.0
2¹

65
Rim

50

25

11

25

50

75

199.0
14¹

203.3
9⁸

205.1
8⁰

205.9
7³

207.1
6⁰

208.7
4⁴

50

25
Rim

15

25

50

170.7
32⁴

73

Bottom

208.3
4⁸

210.0
3¹

50

100

188.2
29⁹

196.5
16⁶

200.2
12⁹

202.3
10⁸

203.1
10⁰

203.6
9⁵

204.8
8³

205.8
7³

206.1
7⁰

207.7
5⁴

50

25

15

8

8

12

25

30

36

213, 11 T

X-sec Deauville Cont

TP₁₁ 4.67 214.51 3.27 209.84

14+75

14+39^{1/2} = SELY COR ALLEY (25' RT.)

14+37.19 = E.C.
9°53'07"

14+22.63 = NELY COR ALLEY
8°22.52'

14+16.85
7°46.56'

14+109¹ - Radial to SWLY COR ALLEY
7°09.60'

LT

R

RT

73

214.51 T

208.8 208.5 208.9 209.1 211.3
4³ 4⁶ 4² 4⁰ 1⁸
50 25 25 50

207.3 207.4 207.4 208.7
5⁸ 5² 5¹ 4⁴
25 8 25

207.5 207.2 207.33 208.3 208.6 208.4
5⁶ 5² 5²⁰ 4⁸ 4⁵ 4⁷
50 25 ON Hub
9" same 17 25 50

206.8 206.6 207.9
6³ 6⁵ 5³
25 25

206.7 206.6 206.6 207.7 209.3
6⁴ 6⁵ 6⁵ 5⁴ 4⁸
50 25 25 50

206.3 206.5 207.7
6⁸ 6⁶ 5⁴
25 25
SWLY COR ALLEY

213.11 T

X-sec Deauville Point

LT

2

RT

74

(205.11)

TP 9.44 205.07

ON 2"x2" RW Hub 0+00 FB 2252 Page 57+58

For additional sections see FB 2252
57

25³ RT = NW end Curbs - See FB 2252-57

Section Taken on Skew -

15+68.37 = Wly edge Conc Paving Rio Drive

204.79	204.74	204.20	203.74	204.32	203.53
97 ²	97 ¹	10 ³¹	10 ⁷⁷	10 ¹⁹	10 ⁹⁸
50 ⁰	26.57		25 ³	25 ³	50
CONC.	CONC		90T	Tic.	90T Tic.

Section taken on Skew -
and 2 Deauville

15+63.06 = Intersection Wly Line Rio Dr

204.26	204.89	204.7	205.4	204.8
92 ⁵	96 ²	9 ⁸	9 ¹	9 ⁷
50	26.57		26.57	50
	ON PIPE			

Deauville ST + Rio Drive
97⁹⁰

15+54.07 - 25° RT = NWly CRK

204.99	204.76	204.89	206.0	206.2	210.5	210.9	212.4
96 ²	97 ⁵	96 ²	8 ⁵	8 ³	4 ⁰	3 ⁶	2 ¹
50	39 ⁵	25	14	22	25	50	
ON CONC	Wly edge CONC Paving Rio Drive	ON PIPE CITY DISK					

15+20

208.9	209.0	210.1	210.9	211.9
5 ⁶	5 ⁵	4 ⁴	3 ⁶	2 ⁶
50	25	25	50	

15+00

209.1	208.7	209.7	210.1	212.0	211.2
5 ⁴	5 ⁸	4 ⁸	4 ⁴	2 ⁵	3 ¹
41 ⁰	25	9	25	50	
90 ^{0T}					
514 ^{0T}					
4600 ^{0T} House					

214.51 T

X-sec Morningside Drive
 Deauville St to Roanoke
 See sketch page 60
 W 04 32538

1700

0+75 - 40° RT = Bottom canyon

TP, 12.79 203.23 0.02 190.44

0+50-25° RT = Bottom of Creek

0+25-15° RT = $\frac{1}{2}$ Bottom Canyon

$\frac{1}{2}$
 in Bottom of Canyon

0+00 = Nly Line Deauville St

For sections Deauville St See page 71 total

12.63

190.46

177.83

± T = Wly

$\frac{1}{2}$
 Morningside

RT = only - 75

205.4
 + 2.2
 50

202.6
 0.6
 25

199.7
 3.5
 25

195.2
 0.0
 25

190.7
 12.5
 50

189.7
 13.5
 75

192.0
 11.2
 75

195.2
 8.0
 100

200.7
 2.5
 50

199.4
 3.8
 25

198.0
 5.2
 15

195.1
 8.1
 18

189.3
 13.2
 18

187.2
 16.0
 25

183.1
 20.1
 40

185.5
 17.2
 50

203.23 T

199.4
 + 8.9
 50

197.6
 + 7.1
 25

196.8
 + 6.3
 22

194.2
 + 3.2
 18

194.2
 + 3.7
 12

189.6
 0.2
 25
 Bottom

180.7
 9.8
 50

191.7
 + 1.2
 70
 rim
 top

201.2
 + 10.2
 70
 top

195.2
 + 4.2
 75

190.3
 0.2
 52

189.3
 1.3
 50

189.3
 + 1.2
 45

187.0
 3.5
 25

183.7
 6.8
 15.0
 Bottom of
 canyon

179.2
 11.3
 22

180.5
 10.0
 25

183.8
 6.2
 25

196.8
 + 6.3
 50

212.2
 + 11.2
 62
 Top
 cany

183.5
 7.0
 50

179.0
 11.5
 25

177.9
 12.6
 Bottom

189.1
 1.4
 25

201.2
 + 10.2
 50

Shown as side shot Page 71

2" x 2" Hub - 0400 Page 60

X-sec Morning side cont.

LT=wly

♀

RT=ely.

77

2425

212.5	211.7	210.6	209.9	208.6	206.7	205.0
30	38	42	56	69	88	105
50	25	11		25	50	75

2400

211.1	210.3	209.1	207.9	205.2	203.7
44	52	64	76	103	118
50	25		25	50	75

1475

210.3	209.7	208.1	207.9	206.4	204.7	202.7
52	58	74	76	91	108	128
50	25	14	25		50	75

1450

209.2	207.6	206.1	204.4	203.3	202.0
63	79	94	111	123	135
50	25		25	50	75

1425

206.8	205.4	204.5	201.1	195.7	192.3
87	101	110	144	198	232
50	25		25	50	75

TP₂

12.62 215.47 0.38 202.85

215.47 T



203.23 T

TP4 Reduced
5-28-55
RC
bond

X-sec Morning Side
cont

(213.68)

6.41 213.65

= 2 Source Manhole

2+99.94 = 2 Roanoke ST

2+74.94 = Sly line Roanoke ST

TP3 10.48 220.06 5.89 209.58

2+50

LT = Wly

RT = eLy - 77

Page 61 -

Orig BM = Nwly BP Winchester + Morning Side

215.3 213.9 216.8 211.6 210.04 209.1 208.1 207.5

4 ⁸	6 ²	7 ³	8 ⁵	10 ⁰²	11 ⁰	12 ⁰	12 ⁵	13 ⁷
100	75	50	25	0	25	50	75	100

215.7 214.3 212.9 211.6 210.2 210.1 208.0 207.7 206.8 206.1

4 ⁴	5 ⁸	7 ²	8 ⁵	9 ⁹	10 ⁰	12 ¹	12 ⁴	13 ³	14 ⁰
100	75	50	25		25	40	50	75	100

220.06 ↑

on 3/4" Prop Pipe 5 Ely cor Roanoke + Morning Side

213.3 211.8 211.1 210.2 208.9 206.9 205.5

2 ²	3 ²	4 ⁴	5 ³	6 ⁶	8 ⁰	10 ⁰
50	25	12		25	50	75

215.47 ↑

TP4 Reduced
5-28-55
Rd
Bond

X-sec Morning Side
Cont

(213.68)
6.41 213.65

= 2 Sewer Manhole.
2+99.94 = 2 Roanoke ST

2+74.94 = Sly line Roanoke ST

TP3 10.48 220.06 5.89 209.58

2+50

LT = Wly 2 RT = eLy - 77

Page 61 -
Orig BM - Nwly BP Winchester + Morning Side

215.3 213.9 216.8 211.6 210.04
209.1 208.1 207.5
206.4

4 ⁸	6 ²	7 ³	8 ⁵	10 ⁰²	11 ⁰	12 ⁰	12 ⁵	13 ⁷
100	75	50	25	Rim	25	50	75	100

215.7 214.3 212.9 211.6 210.2 210.1 208.0 207.7 206.8 206.1

4 ⁴	5 ⁸	7 ²	8 ⁵	9 ⁹	10 ⁰	12 ¹	12 ⁴	13 ³	14 ⁰
100	75	50	25		25	40	50	75	100

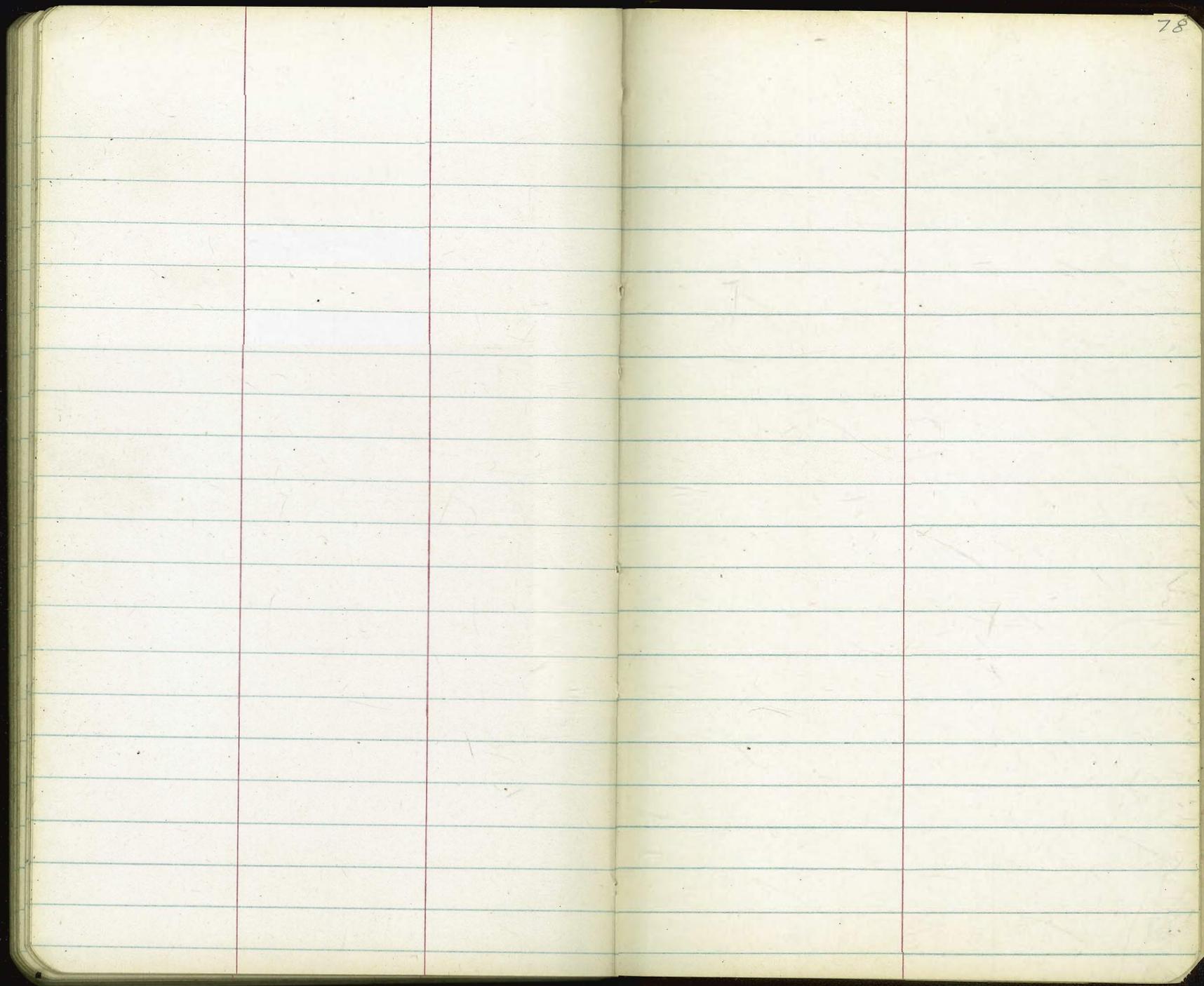
220.06 π

on 3/4" Prop Pipe SEly cor Roanoke + Morning Side

213.3 211.8 211.1 210.2 208.9 206.9 205.5

2 ²	3 ⁷	4 ⁴	5 ³	6 ⁶	8 ⁰	10 ⁰
50	25	12		25	50	75

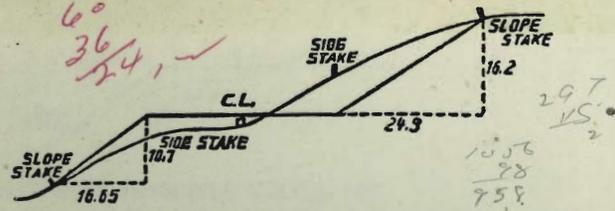
215.47 π



16610
385

5154.35
 7
 5447.35

773
 682
 460



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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