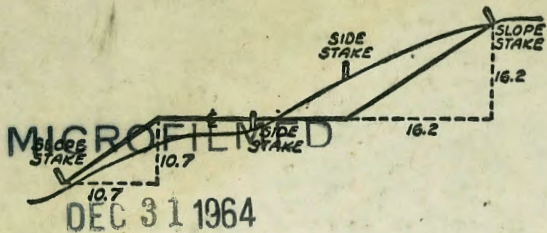


2085

LIBRARY



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.

41.30
2183.19
41.39.30
98.11
23+85.19
73
224.12
31.08
98.11
129.17
28+29.85
19
28.41.99

INDEXED

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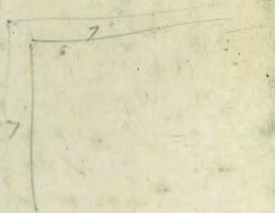


TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

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

FOR TANGENTS ADD

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

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.032	.037	.043	.049	.053	.057	.061
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	.096	.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

Mission Blvd. to
 2nd Sec. Opal St Bayard 1-10
 Wabaska Drive 15-30
 Cross Sec Alley Blk 12 City Hts. Hamon #1 31-40
 " " Franklin Ave 32nd to Bancroft 41-45
 Tias Wabaska Freeway to Mission Bay Project 46-63
 Cross Sec West Point Hamon Blvd Scarido to East 64-74
 " " SEOC Wabaska West Point Hamon 75-78
 Tie Wabaska + Sunset Cliff Ext. 79

OPAL Street

Mission Blvd to Bayard

Sommermeier
McCoy
Allen

3-17-50

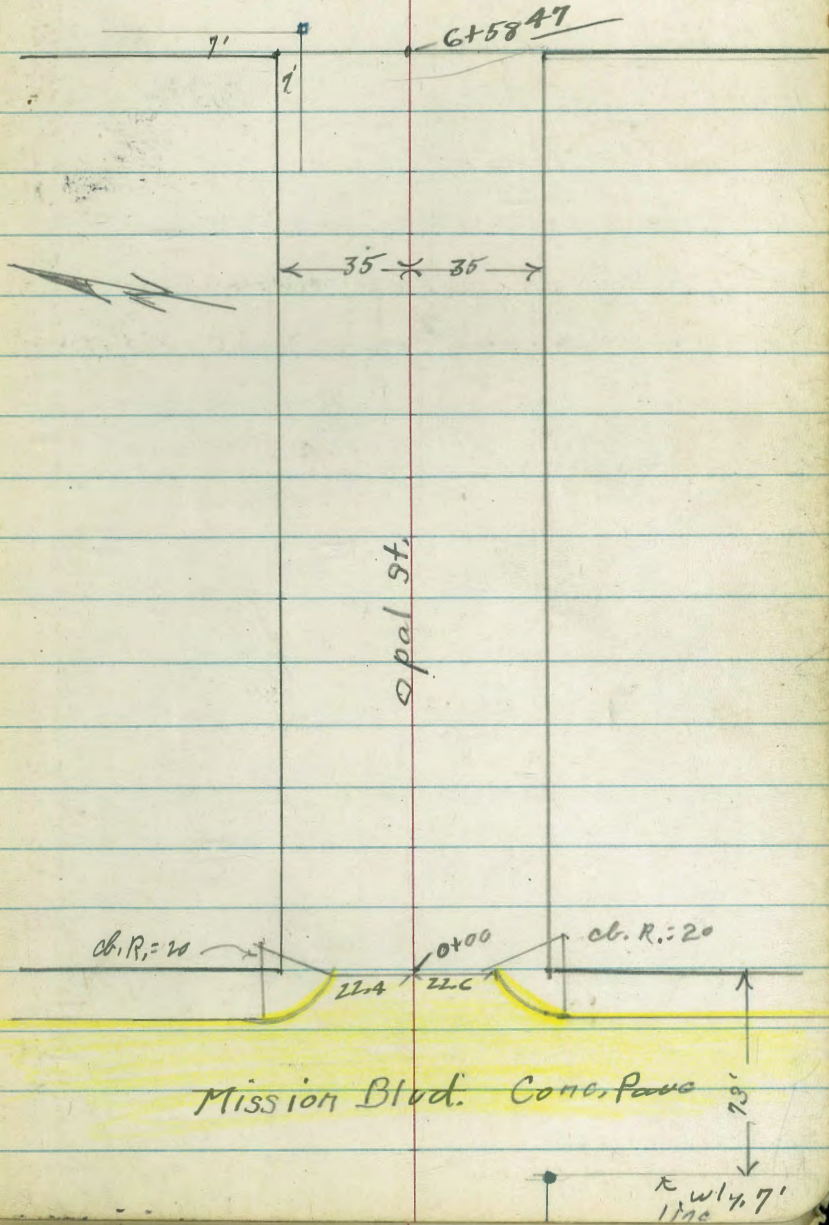
- = Ed. LAT
- = Ed. iron pin

INDEXED
YMK
MAR 20 1960

(W) = Ctr. water meter box

Soil sample from 10' AT of 6+00

Bayard St.



OPAL St. 70 wide

Mission Blvd. to Bayard.

±

2

0+30

83.0	82.3	81.4	81.2	81.7	81.4
4.5	5.2	6.1	6.3	5.8	5.9
35	21	19		20	35

0+05 - 22° Rt. = ± Fire Hydr.

0+02

82.0	82.0	79.5	79.4	79.7	79.9	81.3	81.3
5.5	5.5	8.0	8.1	7.8	7.6	6.2	6.2
35	25	20		18	33	35	20

also = end Conc. Pave.
 22° Rt. }
 22° Lt. } = End Existing cbs.
 35' Rt. = ± N. + S. 8' wide Conc. Wall.

0+00

80.1	79.91	79.29	79.04	78.27	78.13	77.90
7.4	7.58	8.20	8.45	9.22	8.59	8.5
35	22	22		22	22	35
	End c.	G		G	End c.	End

0-09³ } 35' Lt. } + South Prop. lines of Opal.
 } 35' Rt. } = Intersect cbs. on north

80.15	79.48	77.75	78.19
7.34	8.01	9.54	8.85
35	35	35	35
cl	G	G	cl

0-10 Cont

81.50	80.92	77.09	77.19
5.99	6.57	10.40	9.88
90	70	90	90
cl	G	G	cl

40' Lt }
 40' Rt } = B.C. 20' Rad. Cl. Ret.

0-10 = Ely Cl. line Mission Blvd

80.25	79.57	79.15	78.96	78.27	77.87	78.54
7.24	7.70	8.34	8.73	9.22	9.62	8.95
40	40	20		20	40	40
cl. B.C.	G			G	G	cl. B.C.

T.P. 11.31 87.49 0.68 76.18

87.49

NE.B.P. 10.61 76.86 — 66.25

Wilbur + Mission Blvd.

T.P. 7.32 93.06 1.75 85.74

2+34 - 22' RT. = (W)

2+00

$\frac{86.2}{1.3}$	$\frac{86.2}{1.3}$	$\frac{85.4}{2.1}$	$\frac{85.7}{1.8}$	$\frac{85.7}{2.4}$	$\frac{84.6}{2.9}$
$\frac{35}{35}$	$\frac{16}{16}$	$\frac{14}{14}$		$\frac{20}{20}$	$\frac{35}{35}$

1+52 31' RT. = N.Ely. Cor. Conc. Dr.

$\frac{84.29}{3.20}$	$\frac{84.23}{3.26}$	$\frac{83.97}{3.52}$
$\frac{31.6}{31.6}$	$\frac{35}{35}$	$\frac{44}{44}$
		Floor

1+50

$\frac{85.3}{2.2}$	$\frac{85.1}{2.4}$	$\frac{84.5}{3.0}$	$\frac{84.9}{2.6}$	$\frac{84.4}{3.1}$	$\frac{84.0}{3.5}$
$\frac{35}{35}$	$\frac{17}{17}$	$\frac{15}{15}$		$\frac{15}{15}$	$\frac{35}{35}$
					on drive

1+44 31' RT. = N.Wly. Cor. Conc. Dr. solid 8' wide

1+34 22' RT. = (W)

$\frac{84.29}{3.20}$	$\frac{84.23}{3.26}$	$\frac{83.97}{3.52}$
$\frac{31.6}{31.6}$	$\frac{35}{35}$	$\frac{44}{44}$
		Car

1+00

$\frac{84.0}{3.5}$	$\frac{83.6}{3.9}$	$\frac{83.2}{4.3}$	$\frac{83.6}{3.9}$	$\frac{83.0}{4.5}$	$\frac{83.3}{4.2}$	$\frac{82.9}{4.6}$
$\frac{35}{35}$	$\frac{18}{18}$	$\frac{17}{17}$		$\frac{15}{15}$	$\frac{20}{20}$	$\frac{35}{35}$

0+50

$\frac{83.1}{4.4}$	$\frac{82.5}{5.0}$	$\frac{81.9}{5.6}$	$\frac{82.0}{5.5}$	$\frac{81.9}{5.6}$	$\frac{81.8}{5.7}$
$\frac{35}{35}$	$\frac{20}{20}$	$\frac{19}{19}$		$\frac{20}{20}$	$\frac{35}{35}$

87.49

OPAL ST.

4

Conc. Drive

2+94 - 35' RT. = N.W. ly. Cor. 8' wide Solid

$\frac{86.34}{6.72}$
35

$\frac{86.48}{6.58}$
53
Car. floor

2+91 22' Lt. = (W)

2+84 - 22' RT. = (W)

2+73 35' Lt. = \pm 2' wide N. + S. Conc. walk.

$\frac{87.93}{5.73}$
35

35' Lt. = \pm 6" wide N. + S. Conc. wall

2+58 - 34.8 Lt. = start picket fence

2+53 35' RT. = N. Ely. Cor. Drive

$\frac{85.31}{7.75}$
35
N.E. Drive

$\frac{84.90}{8.16}$
53
Car. floor

2+50

$\frac{86.8}{6.3}$
35

$\frac{86.2}{6.9}$
20

86.4
6.7

$\frac{85.7}{7.4}$
20

$\frac{85.35}{7.71}$
35

Conc. Dr.

2+45 35' RT. = N.W. ly. Cor. Solid 8' wide

$\frac{85.40}{7.66}$
35

$\frac{84.92}{8.14}$
53
Car. Floor

99.06

OPAL ST.

±

5

3+25

Rt = 2' wide N. + S. Conc. Ribbon

$\frac{86.84}{6.22}$
35
Dr.

$\frac{85.94}{7.10}$
85
Gar. Floor

3+20

35² Rt = 2' wide N. + S. Conc. Ribbon

35² Lt = S. Fly. Cor. Conc. drive

$\frac{89.1}{4.0}$
75
Gar. Floor

$\frac{88.55}{4.51}$
56

$\frac{88.03}{5.03}$
353

$\frac{86.84}{6.22}$
35
Dr.

$\frac{85.94}{7.11}$
85
Gar. Floor

3+12 - 35² Lt = S. Fly. Cor. 8' wide Conc. Dr.

$\frac{89.1}{4.0}$
75
Gar. Floor

$\frac{88.96}{4.60}$
56

$\frac{87.99}{5.07}$
352

35⁴ Lt = 8" N. + S. Conc. wall

34⁵ Lt = End picket fence

3+08

35¹ Rt = start picket fence

3+02

35¹ Rt = N. Fly. Cor. drive

$\frac{86.42}{6.64}$
35
Drive

$\frac{86.48}{6.58}$
53
Gar.

3+00

$\frac{87.5}{5.6}$
35

$\frac{87.3}{5.8}$
20

6.0

$\frac{86.7}{6.4}$
20

$\frac{86.4}{6.7}$
35

2+99 - 35² Lt = 2⁵' wide N. + S. Conc. Walk

$\frac{87.63}{5.43}$
352

93.06

OPAL ST.

4+20 35' Lt. = S. Ely. Cor. drive.

90.47
2.59
35
Drive

4+12 35' Lt. = S. Wly. Cor. 8' wide Conc. Dr.

91.01
2.05
53
Car. floor

90.36
2.70
35
Drive

4+00

89.7
3.4
35

89.2
3.9
18

89.8
4.3
14

89.1
4.0

89.0
4.1
10

88.7
4.4
20

88.2
4.9
35

3+84 22' Lt. = (W)

3+67 35' Lt. = S. Ely. Cor. Conc. Dr.

89.25
4.01
35
Dr.

3+60 35' Lt. = S. Wly. Cor. 7' wide Conc. Dr.

91.12
1.94
71
Car. floor

89.03
4.03
35

3+58 - 34' Rt. = end picket fence

3+50

88.7
4.4
35

88.1
5.0
20

87.8
5.3
15

88.2
4.9

87.7
5.4
20

87.0
6.1
35

3+41 35' Rt. = 2 1/2' wide N+S. Conc. walk

87.01
6.05
35

3+35 21' Lt. = (W)

3+34 21' Lt. = (W)

93.06

5+16 35' Lt. = S. Ely. Cor. Conc. Dr.

93.24
6.22
55
on Dr.

92.68
6.78
35
Dr.

5+09 - 35' Lt. = S. Wly. Cor. 7' wide Conc. Dr.

93.07
6.39
55
on Dr.

92.58
6.88
35
Dr.

T.P. 7.25 99.46 0.85 92.21

99.46

5+08 - 35' Rt. = start 18" wide Hedge

92.5
0.6
35

91.8
1.3
18

91.2
1.9
15

91.6
1.5
10

91.7
1.4

91.5
1.6
10

91.3
1.8
20

90.8
2.0
35

5+00 22' Lt. = (W)

4+80 - 23' Rt. = (W)

4+68 36' Rt. = N. Ely. Cor. Conc. Drive
35' Lt. = S. Ely. " " "

91.76
1.20
50
on Dr.

91.28
1.78
35
Drive

90.25
2.81
36
drive

4+60 36' Rt. = N. Wly Cor 8' wide Conc. Dr.
35' Lt. = S. Wly " " " " "

91.53
1.53
50
on Dr.

91.20
1.86
35
Dr.

89.91
3.15
36
Drive

88.76
4.10
85
on drive

4+50

90.8
2.3
35

90.9
2.7
15

89.9
3.2
14

90.3
2.8

90.1
3.0
10

89.8
3.3
20

89.3
3.8
35

4+45 - 22' Lt. = (W)

4+38 35' Lt. = 3' wide Conc. walk

90.55
2.51
35

93.06

OPAL ST.

5+94 23' Lt. = (W)

5+71 35' Lt. = S. Ely. Cor. Conc. Dr.

93.81
5165
35
Dr.

35' RT = 3' wide Conc. walk.

5+63 35' Lt. = S. Wly. Cor. 8' wide Conc. Dr.

94.79
472
52
Gar. floor

92.79
5167
35
Dr.

92.09
737
357
walk

5+58- 36' Rt. = 8" wide Conc. wall

5+57 35' Rt. = end hedge

5+50 23' Lt. = (W)

92.5
6.2
35

92.9
6.6
76

92.4
7.1
15

92.8
6.7
7

92.5
6.7

92.10
7.4
20

91.7
7.8
35

5+45 35' RT = N. Ely. Cor. drive

91.61
7.85
352
Dr.

5+37 - 35' RT = N. Wly. Cor. 8' wide Conc. Drive

91.52
7.94
352
Dr.

91.33
8.13
53
Gar. floor

5+30 - 35' RT = 3' wide Conc. walk

91.25
8.21
352

5+19 - 22' RT = (W)

99.46

OPAL ST.

£

9

G+50 22' Lt. = (W)

+45 - 23' Rt. = (W)

+43^E - 23' Rt. = Ctr. Fire Hydr.

G+39 - 23' Rt. = (W)

G+24 35' Lt. = 9' Ely. Cor. Conc. Dr.

G+23 - 35' Lt. = N. Ely. Cor. Conc. Dr.

G+16 - 35' Lt. = S. Wly. Cor. 8' wide Conc. Dr.

G+15 35' Lt. = N. Wly. Cor. 8' wide Conc. Dr.

G+07^E 36 Rt. = £ 8' wide Conc. wall.

G+06 - 24' Rt. = (W)

G+00

95.5	95.0	94.4	94.6	94.6	94.2	93.8
4.0	4.5	5.1	4.9	4.9	5.3	5.7
<u>35</u>	<u>16</u>	<u>14</u>	<u>7</u>		<u>20</u>	<u>35</u>

96.38	94.54
3.08	4.92
<u>53</u>	<u>35</u>
floor	Dr.

93.11	92.71
6.35	6.75
<u>35.4</u>	<u>67</u>
Dr.	on Dr.

96.38	94.55
3.08	4.91
<u>53</u>	<u>35</u>
Garr floor	Dr.

93.05	92.61
6.41	6.85
<u>35.4</u>	<u>67</u>
Dr.	on Dr.

94.2	93.7	93.4	93.8	93.8	93.6	93.6	93.7
5.3	5.8	6.1	5.7	5.7	5.9	5.9	6.8
<u>35</u>	<u>17</u>	<u>15</u>	<u>7</u>		<u>10</u>	<u>20</u>	<u>35</u>

99.46

OPAL ST.

⊕

10

S. E. B. R. Loring
& Cass.

8.41 90.31 (9027)

T.P. 2.91 98.72 8.52 95.81

T.P. 5.73 104.33 0.86 98.60

6+7847 = ⊕ Bayard

$\frac{3.0}{85}$	$\frac{4.1}{35}$	$\frac{4.3}{20}$	4.4	$\frac{5.1}{20}$	$\frac{5.4}{35}$	$\frac{6.0}{85}$
96.5	95.4	95.2	95.1	94.4	94.1	93.5

6+5847 = W. by line Bayard

$\frac{4.1}{35}$	$\frac{4.5}{16}$	$\frac{4.8}{14}$	$\frac{4.6}{7}$	4.7	$\frac{5.1}{20}$	$\frac{5.6}{35}$
95.9	95.0	94.7	94.9	94.8	94.4	93.9

99.46

Survey for Prop. Drain in Linwood from Fremont S.E.

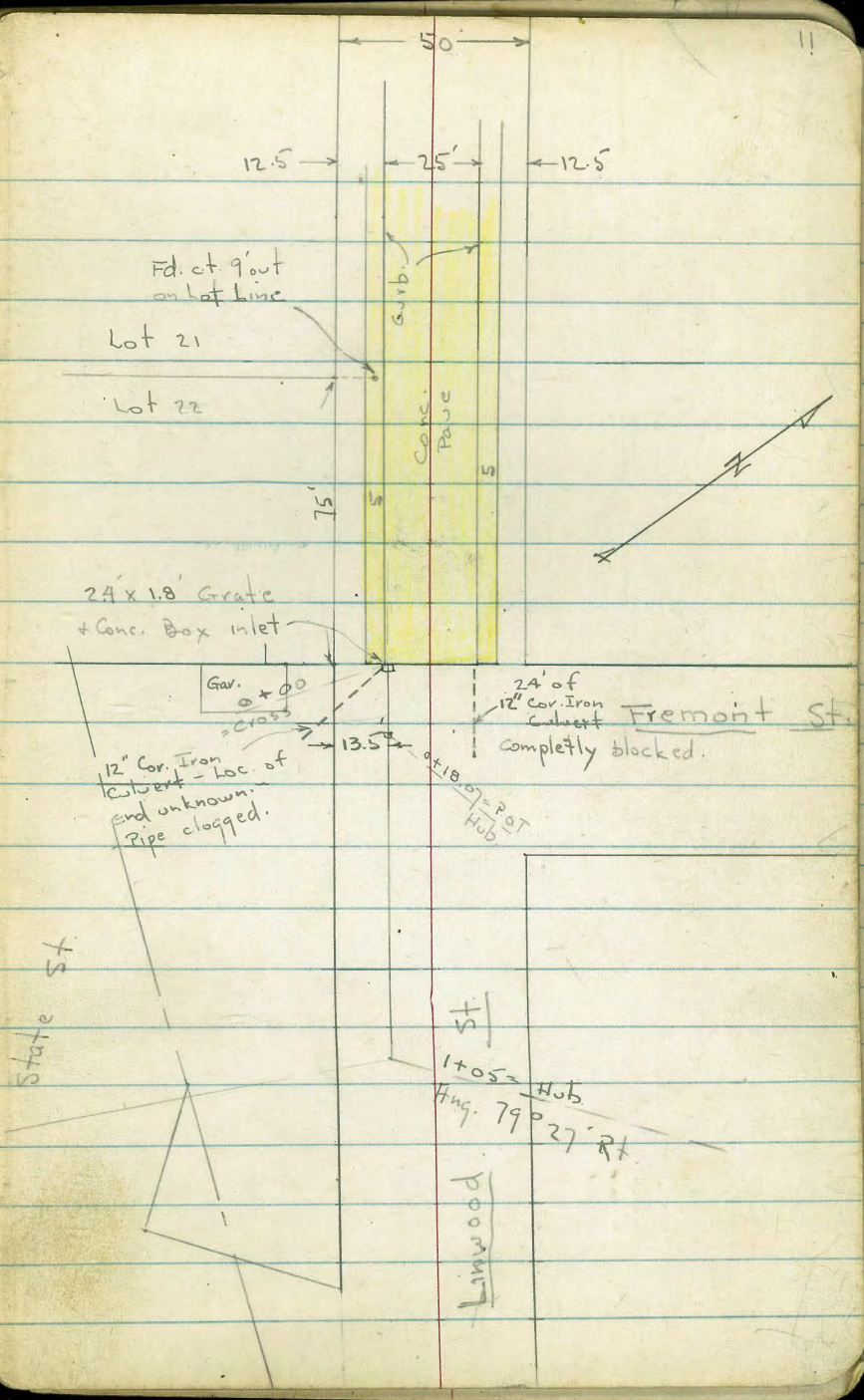
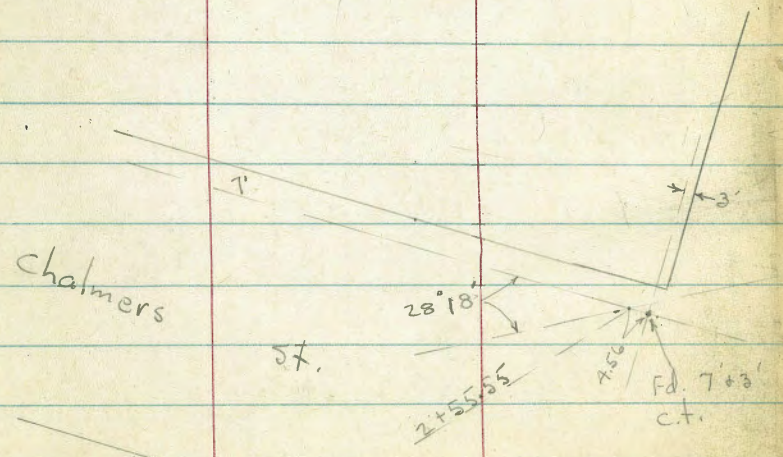
4609

W.O. 20685

7-13-50

Osborne
Hardin
Hatch.

INDEXED
JUL 14 1950



Levels along \pm of Prop Drain
 sketch - P. 11

0+02.7 = E edge inlet on \pm

0+01.8 = \pm Inlet.

Note: Pipe on Lt. is blocked + end-crushed.

Why end = inlet of 12" C.I. Pipe on Lt.

0+00.9 = \pm + W. edge of Grate on \pm +

0+00 = W.L. of Fremont = cross in pave

0-30 = for Grade of cbs.

B.M. 11.01 163.42 ✓ 006 152.41 ✓
 12.98 152.47 ✓ 139.49 ✓

Lt. = N. \pm

Rt. = S

155.09
 8.33
 12
 Cor. grate

155.02
 8.40
 154.02
 9.40
 I.E. B-X

154.91
 8.45
 12
 Gr. grate

153.72
 9.70
 12" =
 I.E. of Inlet
 12" C.I. pipe

155.06
 8.30 = I.E.
 23.2 =
 inlet 12" pipe

154.74
 8.68
 Top grate
 (\pm)

154.83	154.31	155.14	155.71	154.80	154.75	155.51	155.61
6.79	6.91	7.68	7.71	8.62	8.67	7.91	7.91
29	24	24	11.5				
Back walk	Top end cb.	gut.	\pm edge		gut	Top end cb.	Back walk
			Table				

152.99	158.22	158.20	157.28	157.20	158.02
4.43	5.20	5.22	5.14	6.22	5.40
24	24	11.5 =		1 =	1
Top cb.	gut.	\pm st.		gut.	Top cb.

(N.E. B.P.)

N.E. B.P. Linwood + Wellborn

Consider \pm as being E + W.

9' Rt. = edge of 11.5' Conc Slab

0+61.5-8.5 Rt. = 6x6 cloths Post

0+50 = Wly of House on Rt.
= Toe slope

0+48- 26' Lt. = 18" Pepper

0+47.5 - 73' Rt. = P. pole # P. 1599 = B.M. spike

T.P. 0.30 138.82 ✓ 12.65 138.52 ✓

T.P. 0.73 151.17 ✓ 12.98 150.44 ✓

0+25 - 23.3 Lt. = outlet of 12" culvert - end Covered

0+22 - 5.5 Lt. = 6" Pepper

0+20 = Top bank

0+13 - 13' Lt. = 6" Pepper

(?) Normal to Fremont

26.5 Lt. = end.

0+13 - Cross RR. rail Guard fence - 2 Rt. end.

= Sing. Gr. - Dirt floor

0+06 - 1/2 of Dirt rd. to Lt. + 25.5 Rt.

Lt.

Rt.

13

140.1	138.3	134.6	133.4	133.99	135.30	132.2	130.78
+1.3	0.5	4.2	5.4	4.83	3.52	6.6	8.04
40	25	10				9	9
				13.2	19 = Cor		
				edge Conc.	House		
				ss walk along	(floor)		
				House	(upper)		

155.5	152.19	152.9	150.7	146.0
7.9	11.23	10.5	12.7	17.4
40	23.3	10		15
	I.E. pipe			

151.7	155.4	154.1	153.5	147.9
6.7	8.0	9.3	9.9	15.6
40	25	10		15

151.7	156.0	155.6	153.4	154.7
6.7	7.4	7.8	8.0	8.7
40	25	10		10

158.6	155.7	155.6	155.1	154.9	152.6
5.8	7.7	7.8	8.2	9.6	10.8
50	24	11.5		10	25.5
					floor
					Gr.

163.42 ✓

2+00

1+50

1+36 - 9' Rt. = t. Doub. Gar. - dirt floor

SEly. side

Present drainage wanders down road - Mainly on To group of small Houses up canyon

1+05 = Ang. 79° 27' Rt. = edge of Traveled Road

T.P. 0.61 126.44 ✓ 12.99 125.83 ✓

0+95

0+72

0+68

L.

Rt.

112.8
13.6
12
111.4
15.0
111.9
14.5
10

edge garden (end)

115.7
10.7
15
116.9
10.1
7
115.4
11.0
117.0
9.4
10

edge of garden

117.3
9.1
9 = floor Gar.

119.8

116.73

6.6
15
90° to back Tang.
7.71
on Hub.

126.44 ✓

124.7

124.3

123.9

14.1
10
14.5
15.0
10

127.2

126.2

124.42

120.51

11.6
15
12.6
12.40
13.1 = edge Gnc.
12.31
23 floor House

130.3

131.4

131.7

132.0

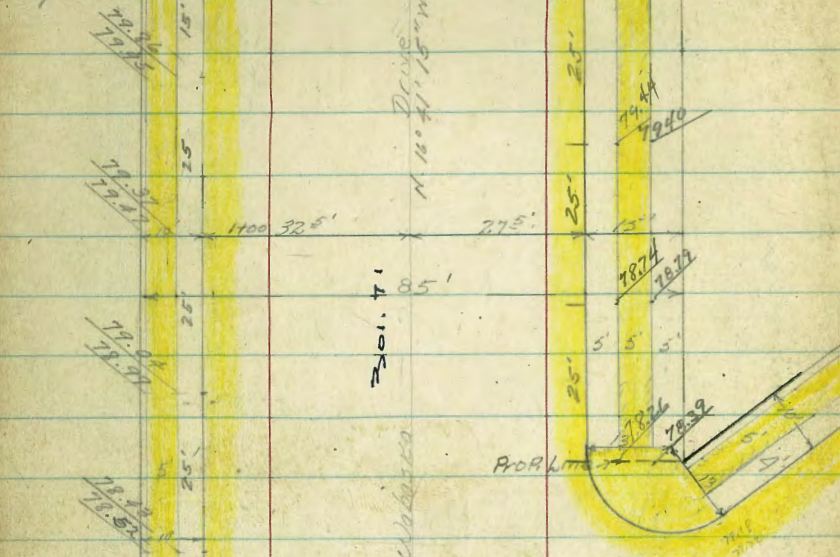
8.5
25
7.4
10
7.1
6.8
9

138.82

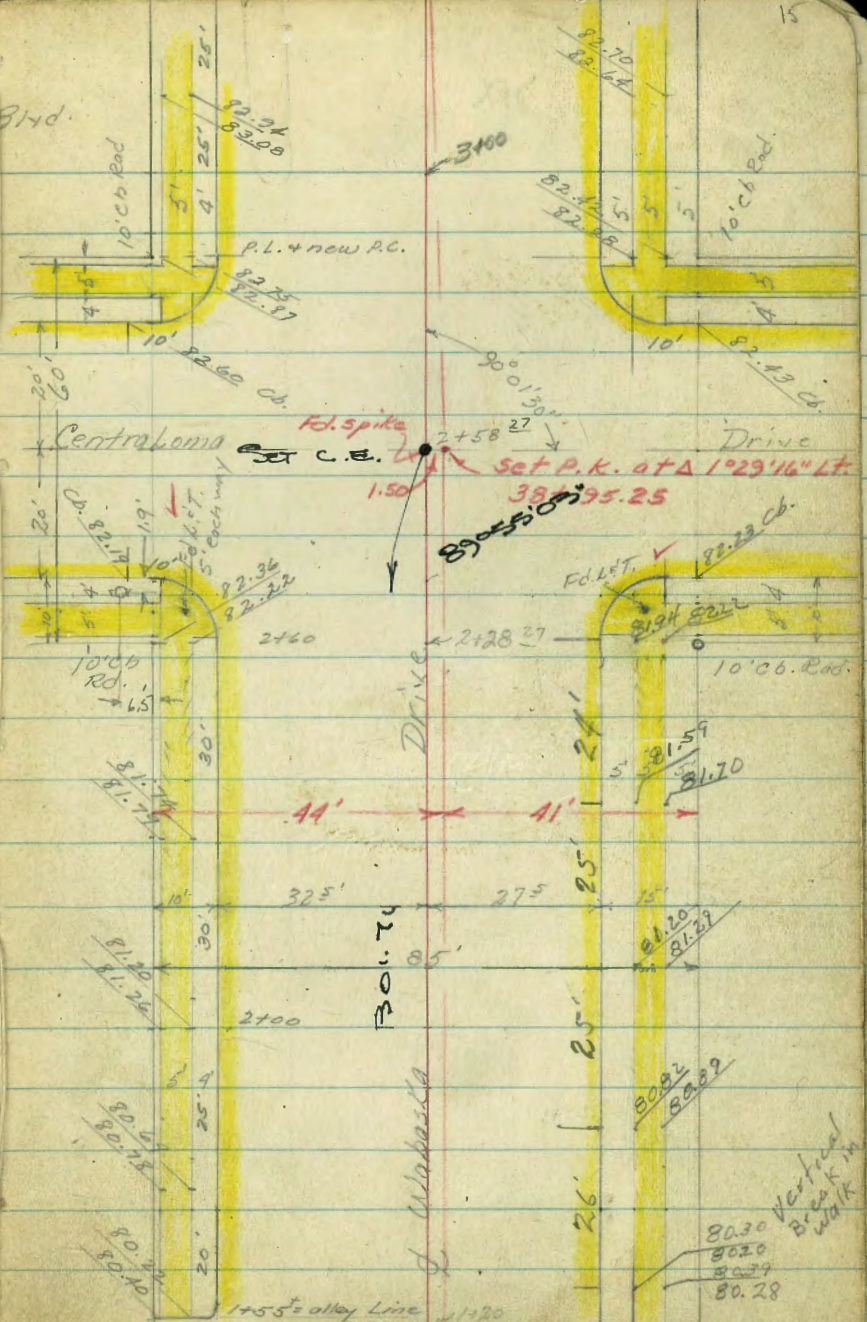
NOTES REQUIRED 7-24-50, AER

Sept Oct. Survey for Proposed
 1950 Wabaska Freeway
 Hendrick Chatsworth Blvd. to W. Pt. Loma Blvd.

Johnson & Co. 1420
 Greer
 Crawford 40.03
 Bunch 20.01
 Shepard



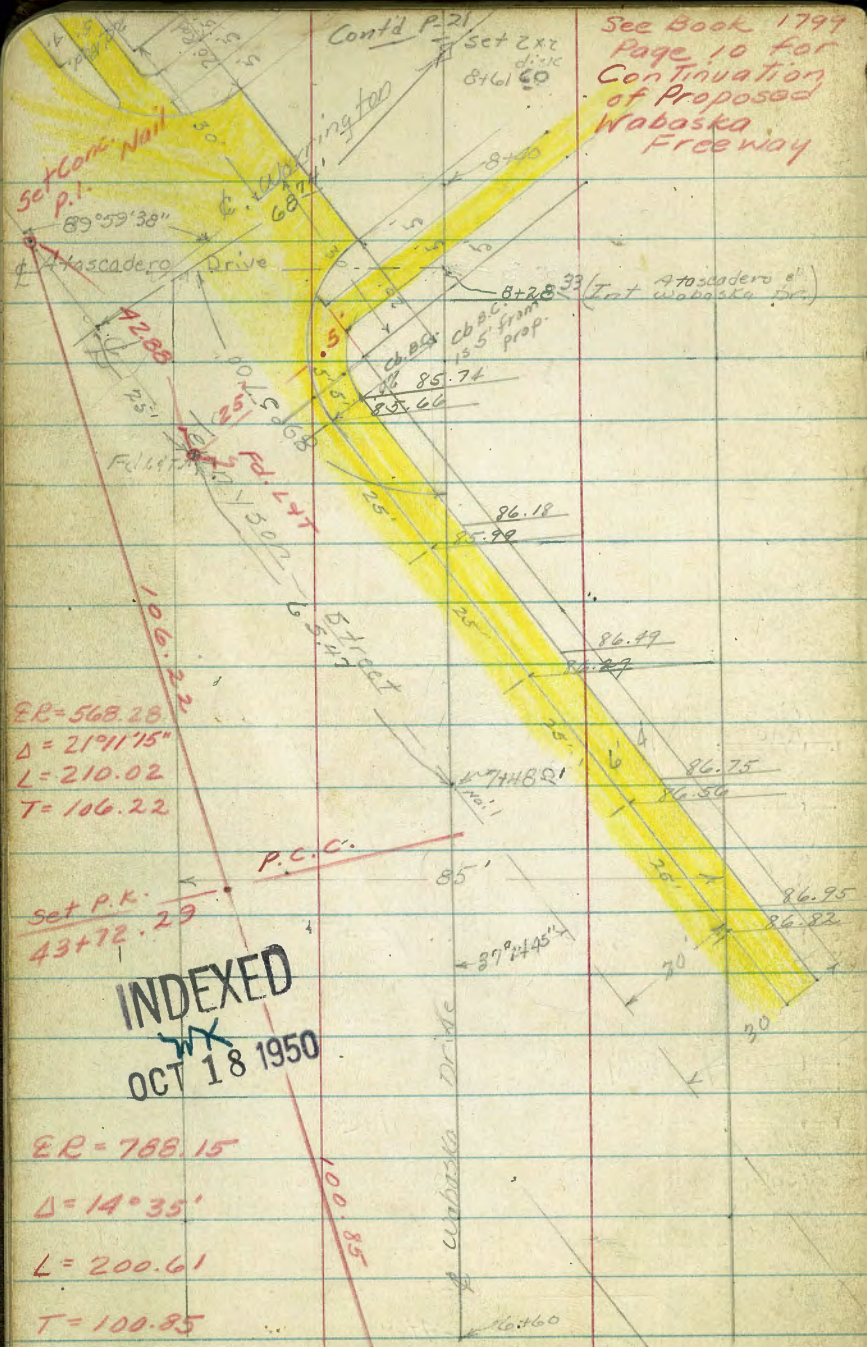
INDEX
 OCT 10 1950
 Hendrick Chatsworth Blvd



See Book 2193 Page 7
 Set P.K. 37757.62 - E.C.
 New proposed 3

80.20
 80.21
 80.22
 80.23
 80.24
 80.25
 80.26
 80.27
 80.28
 Vertical
 Break in
 walk

See Book 1797
Page 10 for
Continuation
of Proposed
Wabaska
Freeway

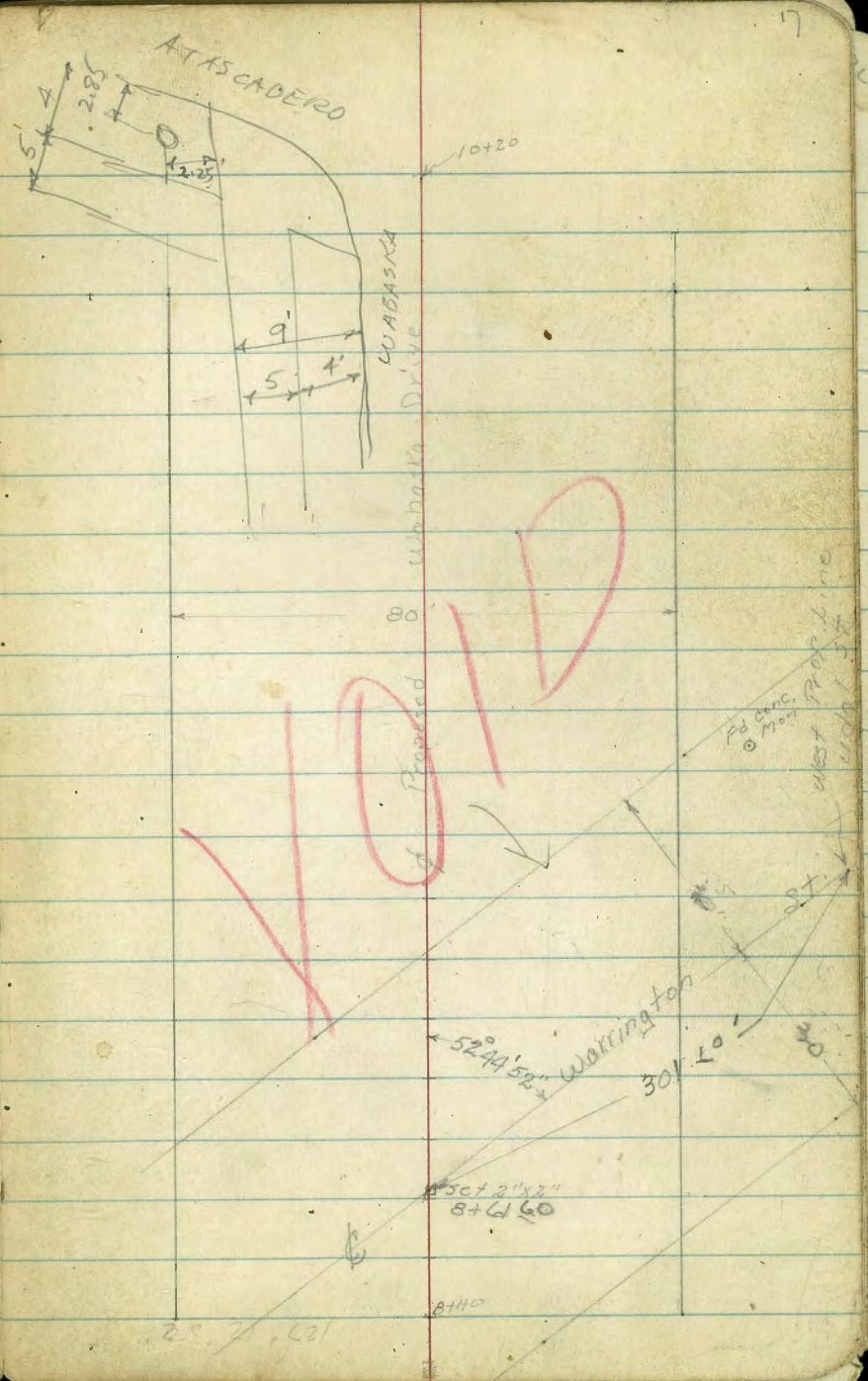


ER = 568.28
Δ = 21°11'15"
L = 210.02
T = 106.22

Set P.K.
43+72.29

INDEXED
OCT 18 1950

ER = 788.15
Δ = 14°35'
L = 200.61
T = 100.85



Set 2x2
8+61.60

52°44'52"

301.40

30

West Prop. Line

10+20

9'

5'

2.85'

5' x 4'

80

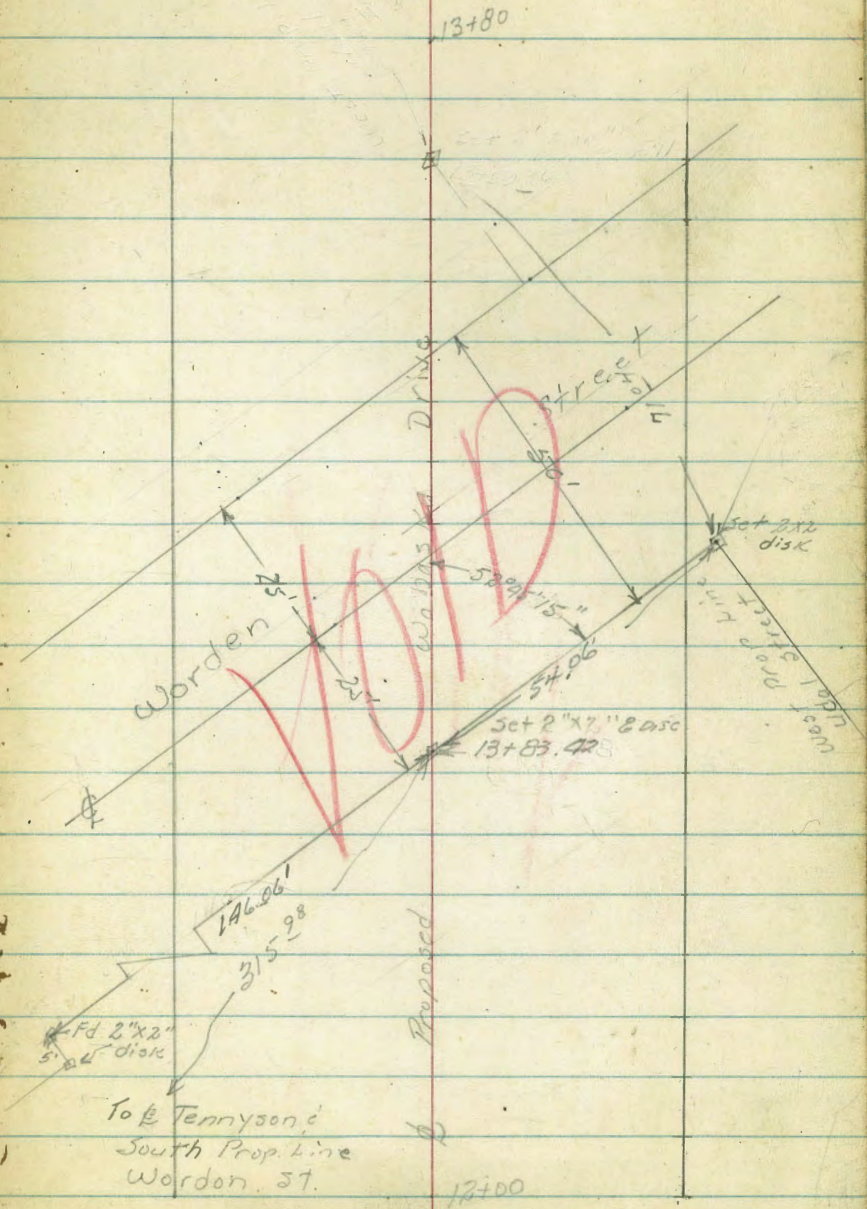
8+11.0

107' / 52"

12+00

13+80

Proposed
 Wabaska Drive
 10+00
 10+20



15+60

Wabaska Drive

Proposed

13180

~~VOID~~

80'

19

Set 2"x8" disc

17741 37

17740

Set 2"x8" disc
& Int. Wabaska
Wells

329 39

331 32

North & wells of
West Prop. Line
Uda

ST

ST

Wabaska Drive

Proposed

15760

~~VOID~~

80'

17+80

Nail on west
7' line
Voltaire

Exhibit Voltaire Dr

Proposed Voltaire Drive

chisel cross
7' line Voltaire
18+16.75

10' Rad

1.87'

37' 30"

25'

45'

25'

Set 2' x 2' disk 17+41.27

17+40

15' Rad

21

20

VOLTAIRE
375.20

INDEXED
mk
OCT 18 1950

PROPOSED NEW
(547.16' Calc)

UDAL
375.15

See F.B. 2172
2-11
1856
2

TENNYSON

ST.

21

A. Frazee + Wabaska Dr.

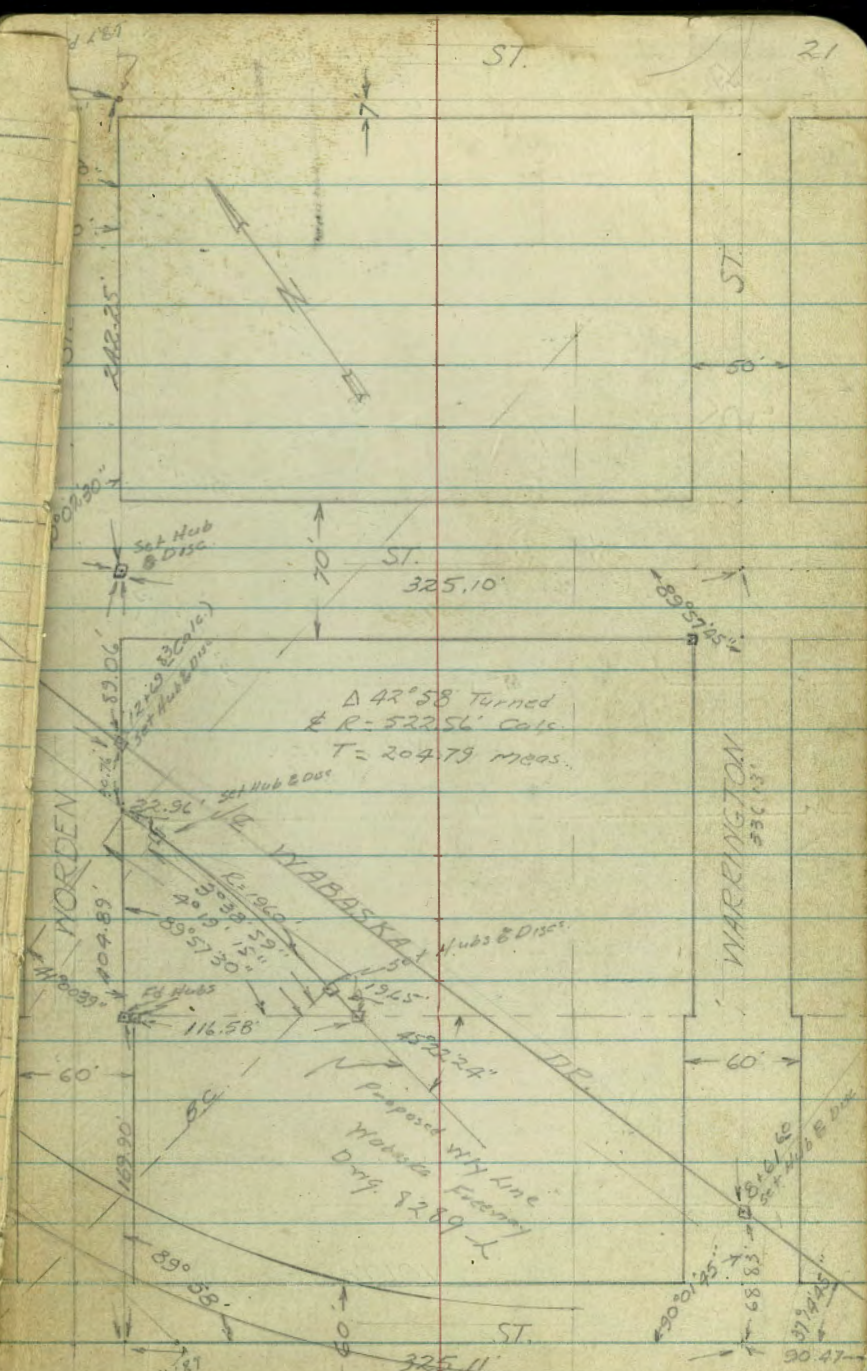
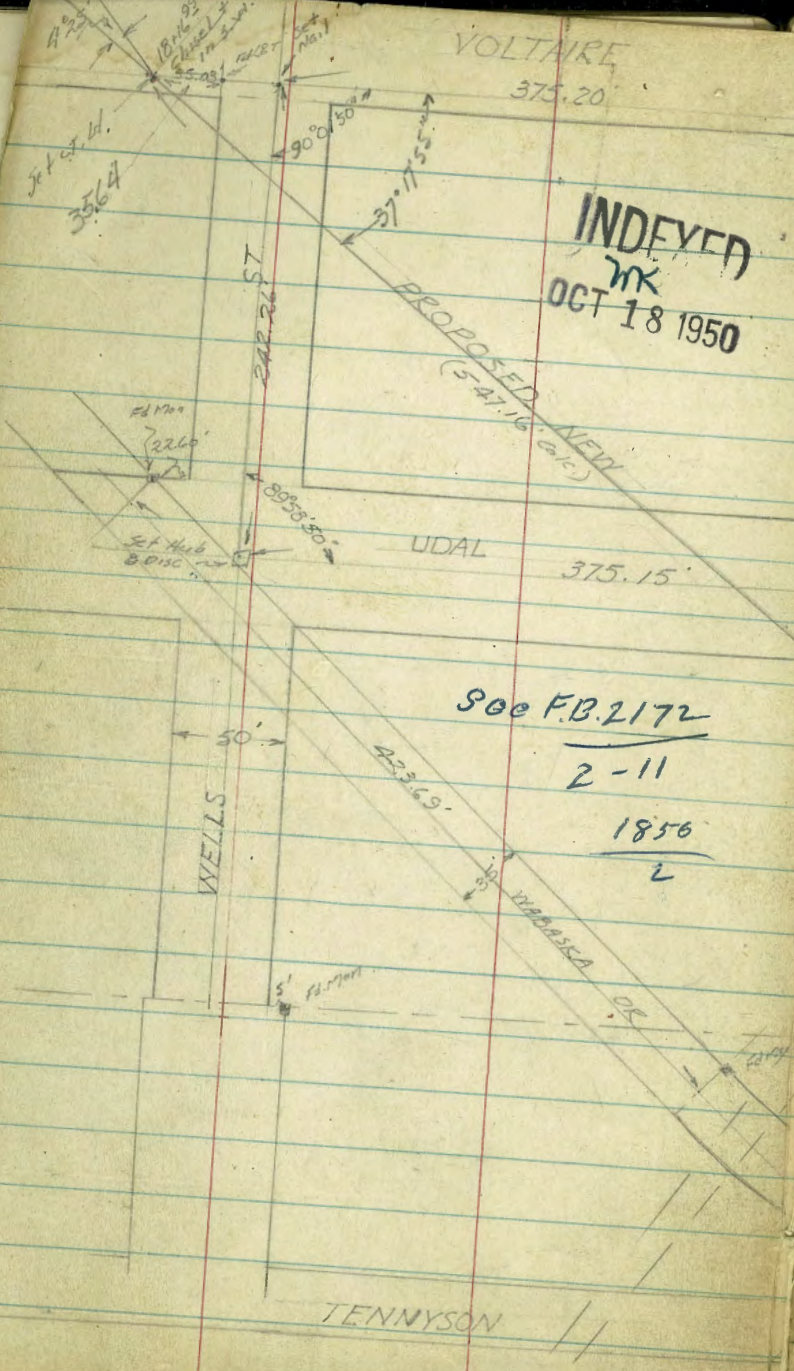
WORDEN

WABASKA

WARRINGTON

Proposed WY Line
Wabaska Extension
Dist. 9289

Cont'd from
p. 20



INDEXED
WX
OCT 18 1950

34+29 22 po
Set Hub 2015
1924
60°31'30" W

255.38

197.01
10/21

Whisper

(135.75)
(Change)
(121.22 Rec.)

327
Set A-b.
7-54
70

CATALINA

to CE. Hubs 2015

34.781
100
101
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998
999
1000

My Line Long Alta #1 Map #1018

60°27'42"

Fd.

29°28'30"

112.867

34.67

89°56'15"

20+2988
Set Hub 2015

Fd.

49°03'

Set Hub 2015

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

Line 10

FAMOSA

25.42
(from 10/21)

ST.

BANNING ST.

Fd.

Comp. Plan

Int. Hub 2015

Famosa & C.

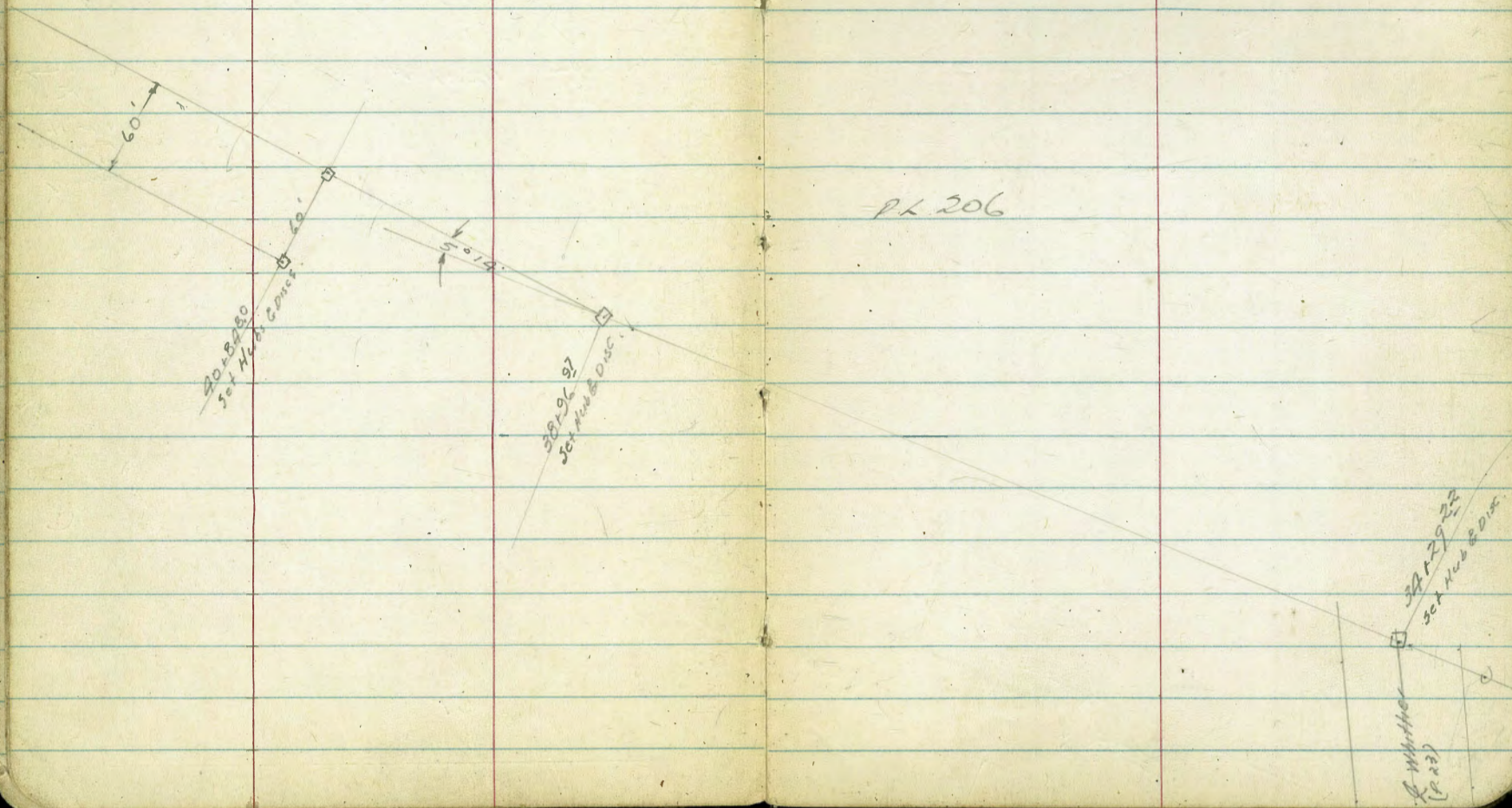
Set Hub 2015

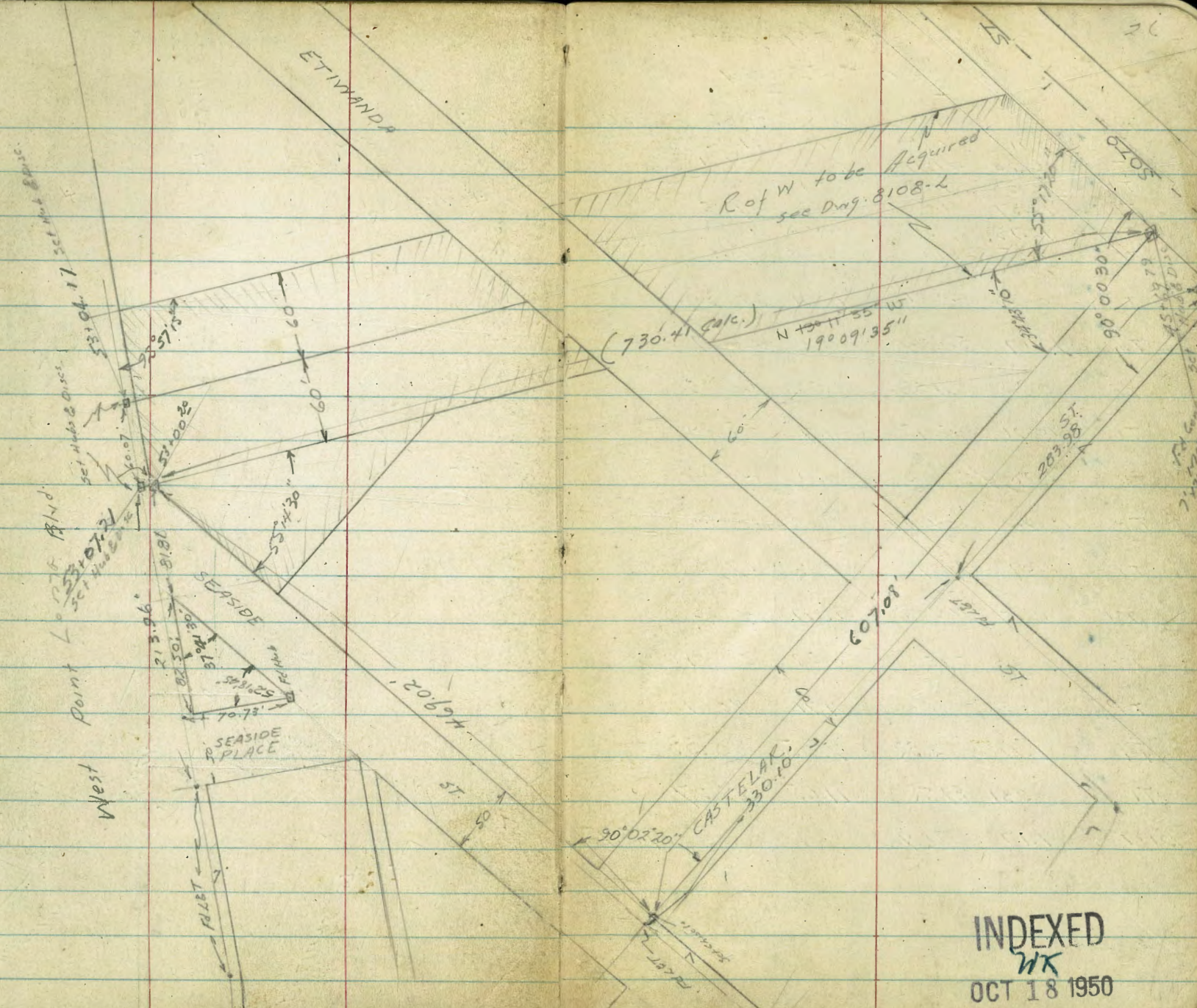
Banning

23

INDEXED
WX
OCT 18 1950

pk 206





Rot W to be Required
see Dwg. 8108-2

(730.41 Calc.)
N 100° 11' 55" W
19009' 35"

ETIMANDA

Point
West

SEASIDE
SEASIDE PLACE

CASTELAR
330.10

INDEXED
WK
OCT 18 1950

Levels for topography
Wabasha Freeway

BM			1.18	33.65	33.68
TP #18	3.11	34.83	10.19	31.72	
TP #17	0.30	41.91	9.62	41.61	
TP #16	10.38	51.23	0.57	40.85	
TP #15	12.37	41.42	0.26	29.05	
TP #14	12.73	29.31	12.40	16.58	
TP #13	1.35	28.98	12.58	27.63	
TP #12	0.38	40.21	10.71	39.83	
TP #11	2.57	50.54	13.16	48.37	
TP #10	0.78	61.53	8.20	60.75	
TP #9	10.71	65.95	1.70	55.24	
TP #8	12.78	56.94	0.81	44.16	
TP #7	12.74	44.97	7.06	32.23	
TP #6	2.27	39.29	9.66	37.02	
TP #5	0.15	46.68	12.97	46.53	
TP #4	0.43	59.50	12.57	59.07	
TP #3	1.03	71.64	11.71	70.61	
TP #2	1.99	82.32	7.25	80.33	
TP #1	3.31	87.58	11.65	85.27	
BM	1.17	96.92		95.75	

BP W Ch Castella & Edwards

(on stub at fence corner)

on Hub 34+29.22

on Hub 30+29.29 = POT - P-23

On Hub 28+29.83

On Hub 25+42.44

On Hub 23+85.19

on stub 21+14.31

S N 7' 6" T Wells & Voltaire

on Hub 12+69.83 POT

N W 1/4 BP Alicia & Tennyson

Contd. from P. 28

10+83

TP. 4.54 86.60 8.02 87.06
✓

10+30

10+25

10+19

10+15

10+00

90.08
✓

29

81.5
✓

86.60

✓ 10 88.1

83.9

✓ 11

82.5

✓ 11

83.8

✓ 11

83.7

✓ 12

90.08
✓

Cont'd from P. 29

2

20

817

6.29

80.31

80.33

(On Hub 12169.83 P. 27)

80.2

12+6983 Elt Line Worden

12

81.1

12+100

M

81.8

11+50

X

82.1

11+00

M

81.7

10+92

X

80.8

10+86

M

86.60
—
x

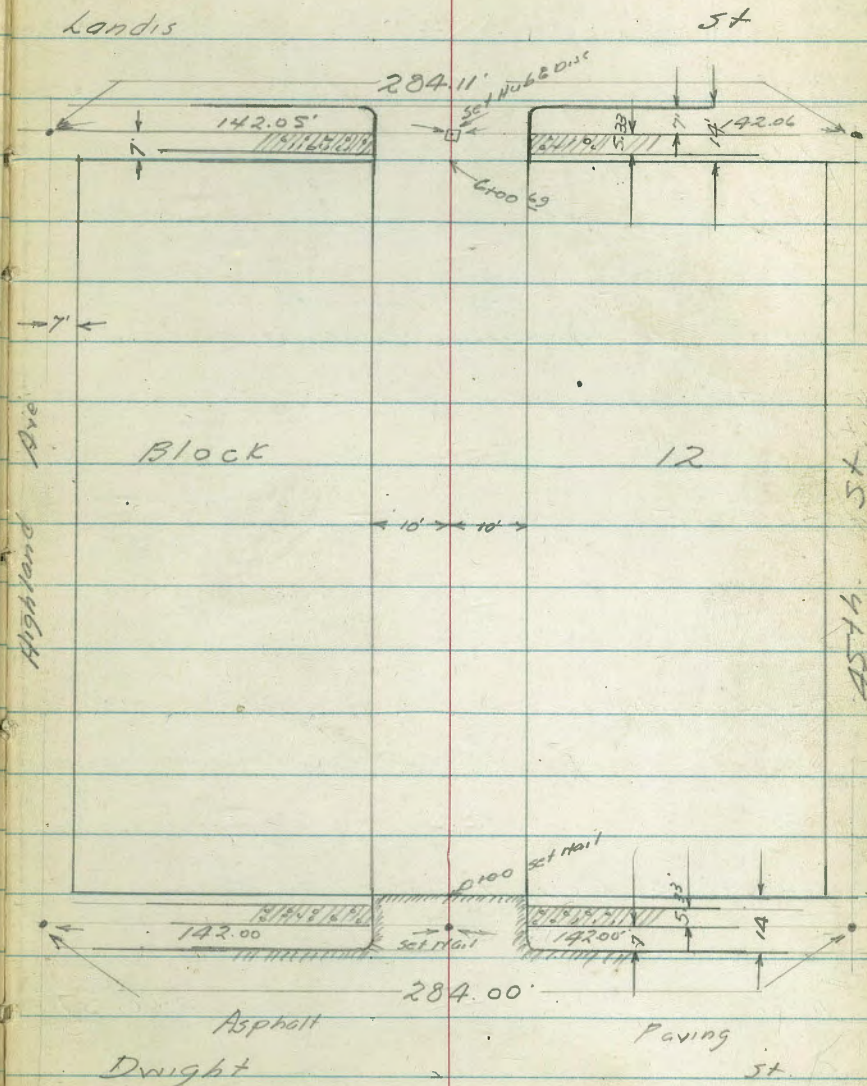
86.60
—
x

10-8-50
Hendricks
Sherman
Shepard
Crawford
W.O. # 31426

X Sect. Alley Block 12
City Hts. Annex #1

INDEXED

NOV 9 1950



0+13

349 ⁸	349 ⁸	349 ³	349 ⁶	350 ⁰
15	10		10	15

0+00 Edge of Asphalt Paving
North Line Driought

348 ²⁸	348 ⁰⁶	347 ⁷⁸	348 ⁰⁰	348 ²⁸
10	10		10	10
6	6		6	6

0-12 EC Ch. Reto

348 ⁰²	347 ⁷²	347 ⁷⁰	348 ⁰³
10	10	10	10
6	6	6	6

0-14 North Ch. Line Driought

347 ⁸⁰	347 ⁵⁵	347 ⁹⁴	347 ⁶³	347 ⁶⁵	347 ⁶³	347 ⁶³	347 ⁵⁹	348 ⁰⁴	347 ⁸¹	348 ¹⁵
50	50	12	12	10		10	12	12	50	50
6	6	6	6				6	6	6	6

0-40 & Driought

347 ⁵⁹	347 ⁷⁶	347 ⁸¹	347 ⁸²	347 ⁹⁸
50	10		10	50

B17

348.37 NWBP 45th & Driought

0190 £ Double Garage 15' Rt.

351¹⁰
15
floor

0192.5 £ 3' Conc. Walk 9.4' Lt.

350⁷³
9.4

0180 End Conc. Block Wall 10.5 Rt.

351¹⁰ 349¹⁰ 350⁷⁷
10 (10 10)
Ground (Rtm. Top) foundation

0176 Power Pole # D30911T 8.4' Lt.

0165 £ Single Garage 16.8' Lt.

350⁶³
16.8
floor

0150 Beg. Conc. Block Wall 07 Rt.
(Main Wall 10.3 Rt.)

350⁶ 350⁴ 350⁴ 350⁴ 349⁵ 350⁷⁴ 350⁹
15 10 10 10 15
Ground (Rtm. Top) foundation

Alley Block 12 Cont'd.

2

34

1160 ^{3.4'} Beg. Conc Walk 10.3' Lt (Runs Parallel to House)
offset in frame House (10.3' Lt)
13.7'

352⁰⁸ 351⁹
10.3 10.3
Porch Ground

1150

351⁸ 351⁸ 351⁶ 351⁵
10 10 15

1128 Beg. Stucco & frame House 10.7' Lt.

352⁰⁸ 351⁹ 350⁷
10.7 10.7 10.7
floor of House Ground Btm of foundation

1126 ^{5'} & 3' Conc Walk 10.7' Lt.

351⁸
10.7

1107 & Single garage 14.5' Lt.

351¹
14.5
Dirt floor

1100

352⁰ 351⁷ 351⁶ 351² 351²
18 10 10 15

2+02 Beg. Board fence 10' Lt

2+00

351⁶ 351⁸ 352¹ 351⁶ 351.3
20 10 10 15

1+76 Power Pole # ? 8.9 Lt.

B End Walk on Lt. (10.5 Lt.)
1+74 End Conc Slab 7.9 Lt.

352³⁴ 352³⁵
10.5 7.9

Beg Conc Slab 7.8 Lt.
1+69 & 3' Conc Walk 12' Lt.

352³⁶ 352²⁷ 351⁹⁴
10.4 7.8 12

1+59 & Single Garage Conc Apron & floor

351⁵¹ 351⁷⁶
9.3 15.2
Apron floor

2+76 Beg. Board fence 9.9' Lt.

2+75 Power Pole # PA3645 9' Lt.

2+66 End Single Garage 9.8 Rt.

351⁹
9.8
Dirt floor

2+58 E Single Garage conc Ramp floor

352⁰⁸ 351⁸⁹
14.2 10.1
floor Apron

2+50 Beg Single Garage 9.3' Rt.
End fence 9.2 Rt.

352¹ 352⁰ 351⁹ 351⁸ 351⁵
14 10 10 15

2+46 E Single Garage conc Ramp floor

351⁹³ 351⁷⁸
14.1 10.4
floor Ramp

3+53 Q 15' Conc. walk 11.3' Lt.

352¹¹
11.3

3+50 End frame shed 10.7' Lt.
End Board fence 9.6' Rt.

3+35

351⁷ 352⁸ 352⁹ 351⁹
10 10 15

3+26 Beg frame shed 9.7' Lt.
End Board fence 9.7' Lt.

3+02 Beg Board fence 9.4' Rt.

3+00

352⁰ 351⁸ 352¹ 352¹² 352⁰
15 10 10 15

Alley Block 12 Contd.

4+45 R Single Garage Conc fl 14.3

352¹⁰

14.3

4+25 R 3' Conc Wall 9.3 Rt.

351⁶⁵

9.3

4+16 R Double Garage Conc Apron & floor

352⁸ 352⁰⁸

14.5 10.9

floor apron

Req. Iron & Wire fence 9.2 Rt.

Power Pole # PA3667 9.6 Lt.

4+00 End Board & Wire fence 9.2 Rt.

351⁹ 351⁹ 352¹ 351² 351³ 351³

15 10 10 12 15

3+70

352³ 352¹ 352¹ 352⁵ 351⁸ 351⁶

15 10 9 10 15

3+61.5 R Single Gar. Conc fl. 14' Lt.

352¹⁴

14

3+53 Req Board & Wire fence 9.4 Rt.

Alley Block 12 Cont'd

5+50.6 End Stucco Bldg. 10' Lt.

5+43 & Gar. under House 10

5+03.6 Beg Stucco Bldg. 10' Lt.

5+01.85 & 3.5' Conc Walk 10' Lt.

5+00 Power Pole # P.A. 2693 9' Lt.

4+93 & Single Gar. Conc Apron

4+50 End Iron & Wire fence 98 R.

2

29

351⁷⁵ 351⁷⁴
13.9 10
floor Ramp

351⁷⁴
10

352²² 351⁹ 351⁸ 351¹ 350⁹
13.1 10 10 15

352²⁰ 351⁹⁷
13.1 10.2
floor Apron

351⁹ 351⁸ 351² 351⁷ 351³
15 10 10 15

B17.

340.94 (341.00)

NWAP Chamouni G Lands

6+14.69 so. Cb line Lands

349⁸¹ 349² 348⁴⁴ 348¹ 348¹ 347² 347³ 347¹ 347⁵ 346¹⁰
 50 50 12 12 10 10 12 12 50 50
 Cb G Cb Cb Cb Cb Cb Cb

6+00.69 so line Lands

348¹² 348⁶ 348⁶ 347⁸⁷
 10 5 10
 Gr. & Cb Gr. & Cb

5+80

351² 351⁰ 351⁰ 350⁴ 350⁶ 350³ 350³
 15 10 17 5 10 15

5+58 & 2' Conc Walk 10.1 LL

351¹¹
 10.1

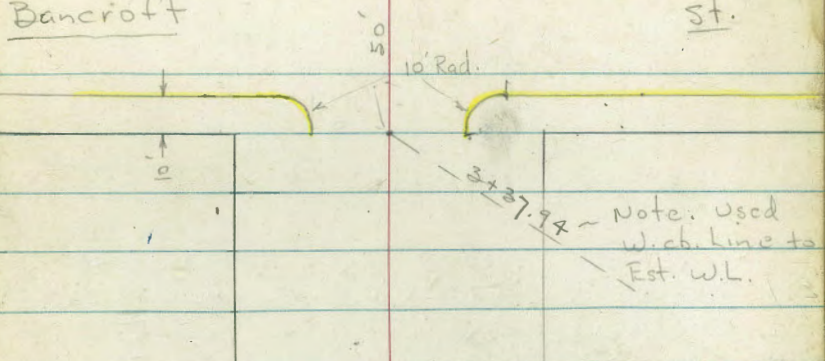
5+50

351²¹ 351⁵⁹ 351⁴ 350⁸ 350⁶
 14 10 10 15
 Apron

Bancroft

Set Cross on E. cb.

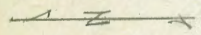
St.



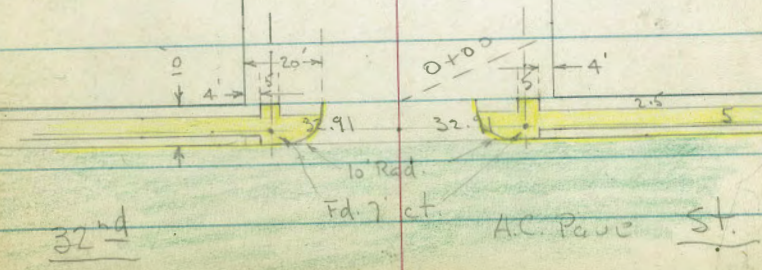
Lot 10
Fd pipe 40'
Lot 9

Ave

INDEXED
MK
DEC 11 1950



Franklin



32.91

10 Rad.
Fd. ct.

A.C. Pavement St.

2+50

21	21	21	21	21	21	21	21	21	21
3.3	3.40	4.2	6.7	9.6	9.7	10.8	12.1	12.8	13.1
50	40	40	20	10	20	30	40	50	50

2+26- 41.2 Lt. = Beg 6" Conc. wall

3.28	4.12	5.1	7.2	8.1	8.09	10.0
Top wall	Top wall	Top wall	Top wall	Top wall	Top wall	Top wall
50	40	20	50	20	40	50

2+25 - 40.1 Lt. = end fence

2+00

21	21	21	21	21	21	21
2.3	2.8	4.6	5.1	6.3	7.8	8.2
50	40	20	50	20	40	50

1+75.5 - 25.5 Lt. = 2 W.M.

1+75 - 42.3 Lt. = Beg. Cyclone fence

1+65 - 24.5 Rt. = 2 W.M.

1+46.5 - 25.5 Lt. = 2 W.M.

1+50

21	21	21	21	21	21	21
2.1	2.6	4.4	5.0	5.3	5.8	6.3
50	40	20	50	20	40	50

1+28.5 - 35.5 Rt. = end fence

1+06.5 - 32.8 Rt. = 3' Conc. walk

1+04.5 - 21' Lt. = 2 W.M.

1+00

21	21	21	21	21	21	21
1.4	2.1	3.7	4.4	4.6	4.6	4.8
50	40	20	50	20	40	50

0+86.5 - 22.5 Rt. = 2 W.M.

0+75 39.1 Lt. = 3.5 Conc. walk

17.5 19.5
49.6 39.1 - walk
at Porch

1-31-51
 Hendricks
 Allen
 Shepard
 Wot

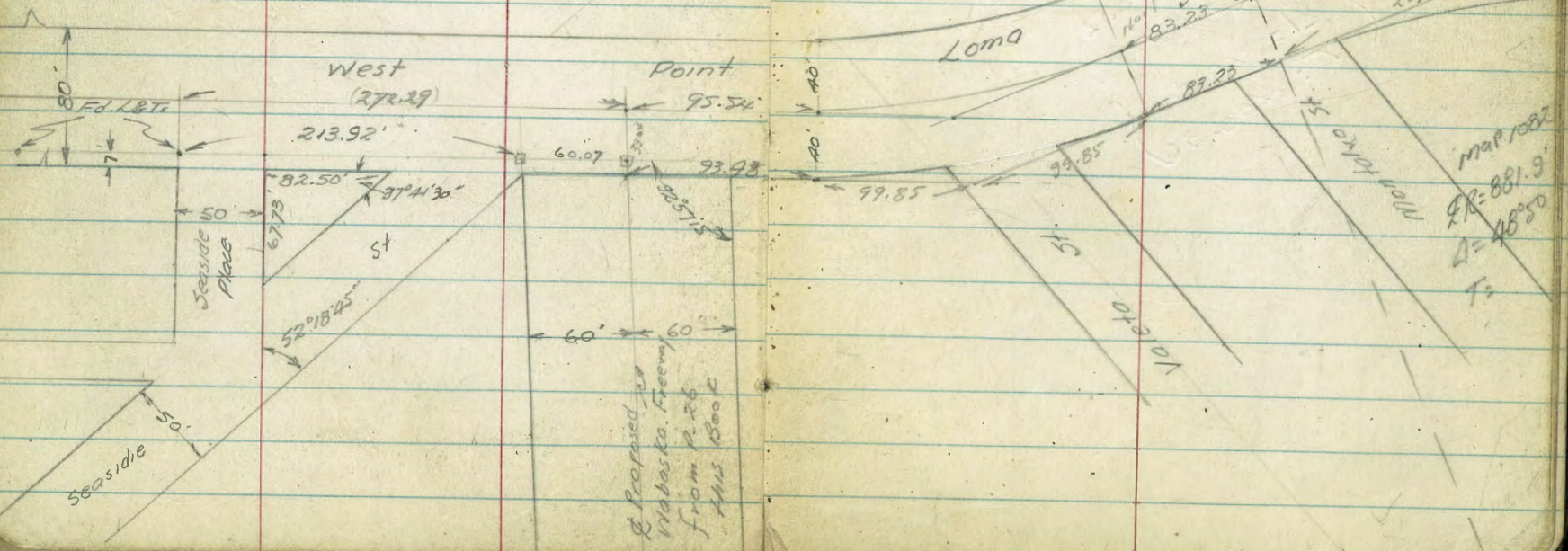
Ties Wabaska Freeway
to Mission Bay Project

References:
 Dwg's. 6132-L & 6133-X
FB 1606 P. 46
Mission Bay Project Dwg.
457

INDEXED
llw
 OCT 17 1951

$R = 440.00''$
 $\Delta = 23^{\circ}30'13''$
 $T = 91.53'$
 $L = 160.49'$

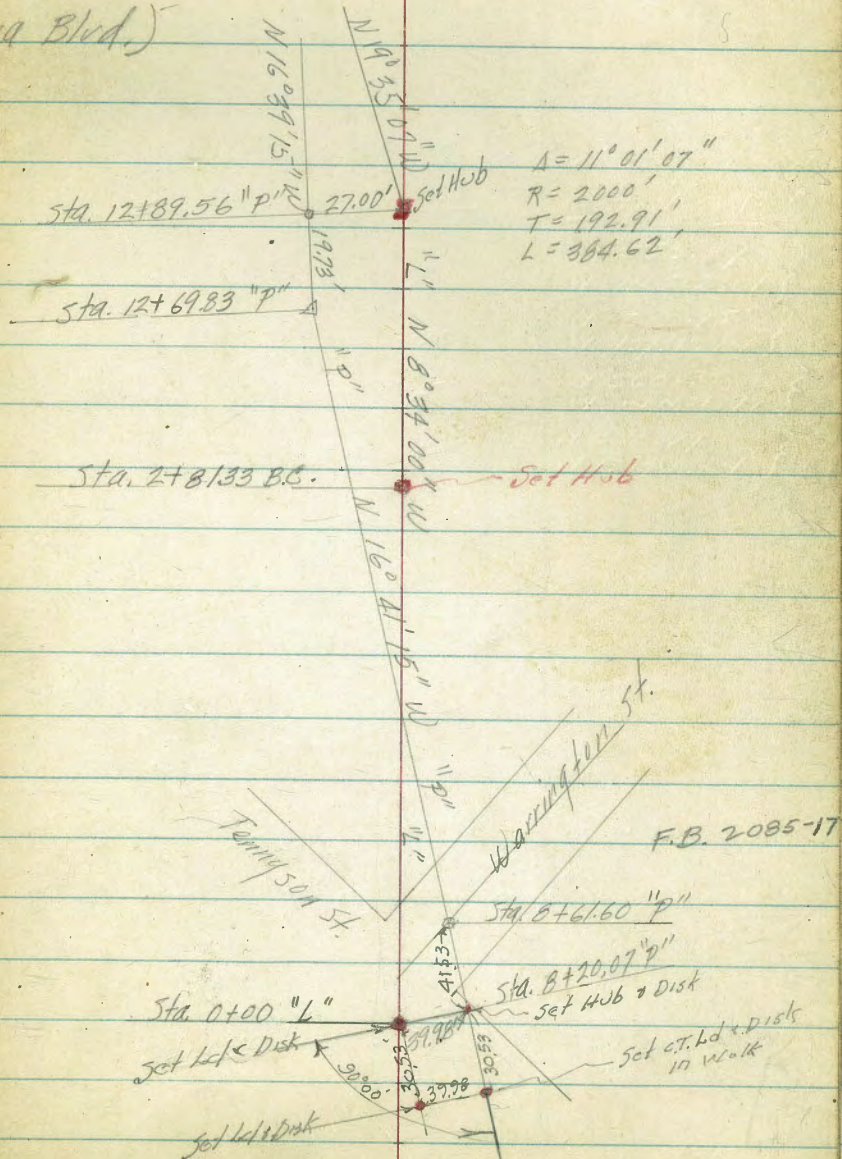
(South Line)
 $R = 480$
 $\Delta = 23^{\circ}30'13''$
 $T = 99.85'$



H. Horn 48
7-13-51

Wabaska Drive - Computed Ties "P" Line to "L" Line
(Tennyson to W. Pt. Loma Blvd.)

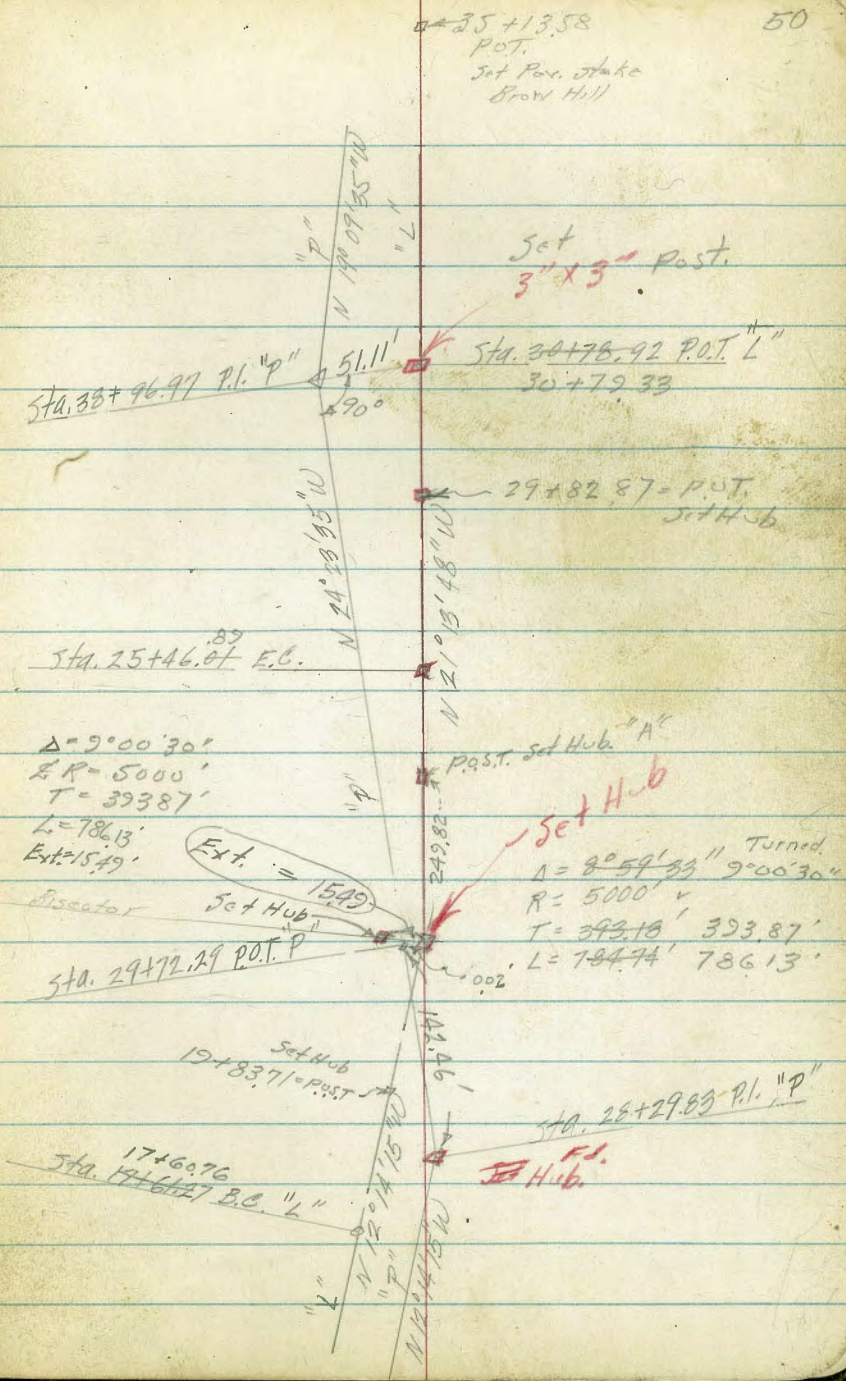
Hub set on "L" line by
Walker
Pope
Clark
Huffman
7-30-51



Wabaska Drive

393.87
249.92
144.05

2972.29
2829.83
142.46



35+13.58
P.O.T.
Set Pav. Stake
Brown Hill

Set
3" X 3" Post.

Sta. 35+96.97 P.I. "P"
451.11'
490°

Sta. 30+78.92 P.O.T. "L"
30+79.33

Sta. 25+46.07 E.C.

29+82.87 = P.O.T.
Set Hub

Δ = 9°00'30"
R = 5000'
T = 393.87'
L = 786.13'
Ext. = 15.49'

Turned
Δ = 8°59'33"
R = 5000'
T = 393.16'
L = 784.74'
Ext. = 786.13'

Sta. 29+72.29 P.O.T. P

Set Hub

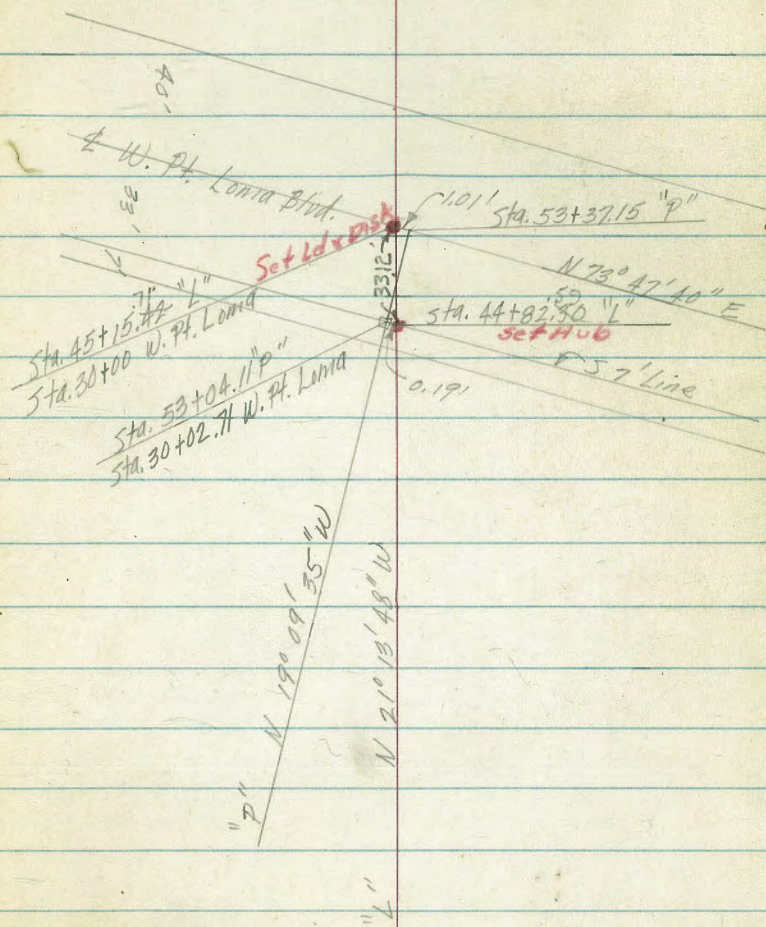
Set Hub
19+83.71 = Post

Sta. 17+60.76
Sta. 14+64.27 B.C. "L"

Sta. 28+29.83 P.I. "P"
Set Hub

Wabaska Drive

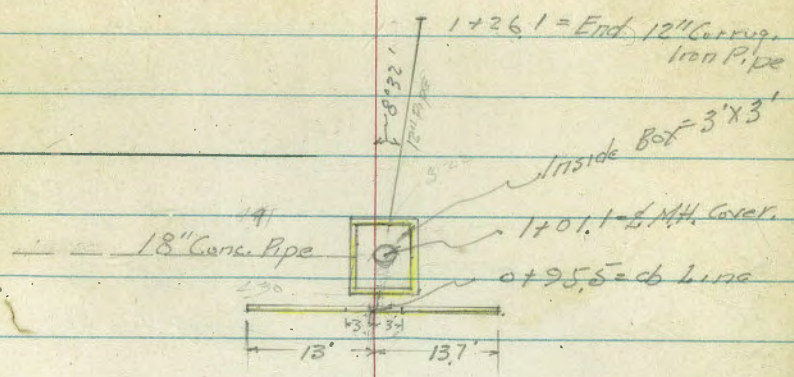
51



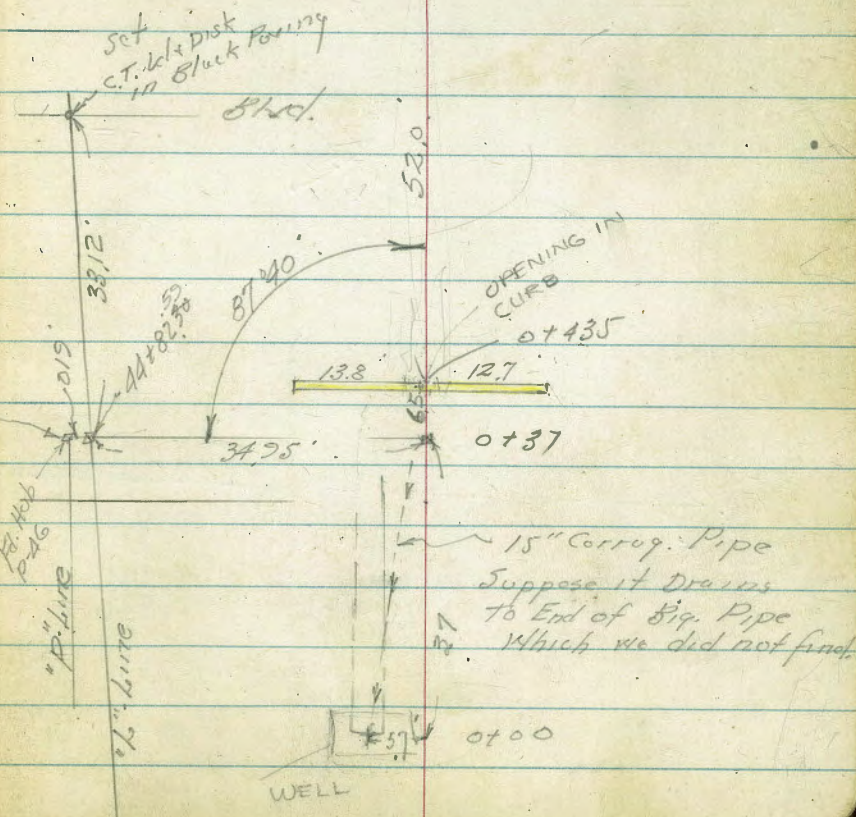
Location Exist. Culvert

West Point Lorna Blvd

Walker & Nebraska Drive
Pope
Clark
Hoffman
7-26-51



West Point Lorna Blvd.



SEASIDE
East Prop Line

Ed. Hub P-46

60.07

Ed. Hub P-46

"P" line

"L" line

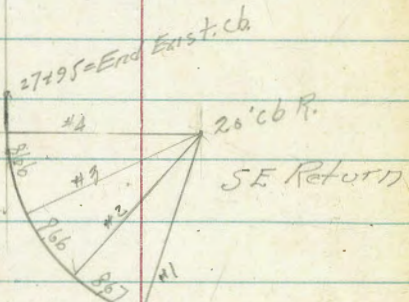
WELL

15" Corrug. Pipe
Suppose it Drains
to End of Big Pipe
Which we did not find.

28+29 26.5

Location of
28' Conc. Drains
12" Corrug. Drains

27+88.85



27+53.19

8834

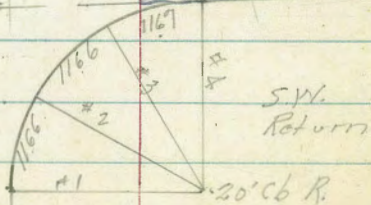
Roadway

SE SIDE Pl.

Note:
of Rdway Apparently Not of St.

27+38.12

S.W. Pl. Location

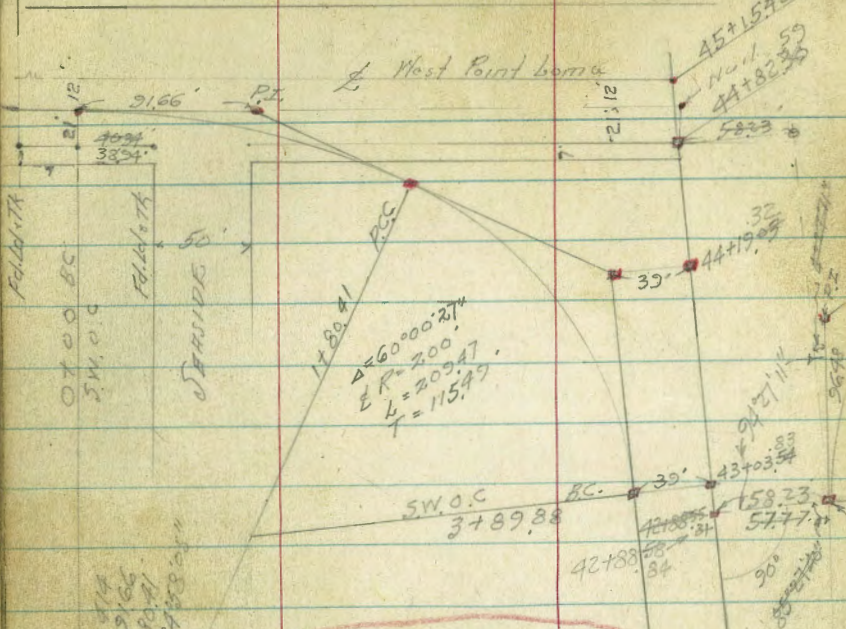


Exst. Curb here

26

14

25+53.72 = P.C. W.P.L. 6077



SWOC Cross Sections in FB 2158-2

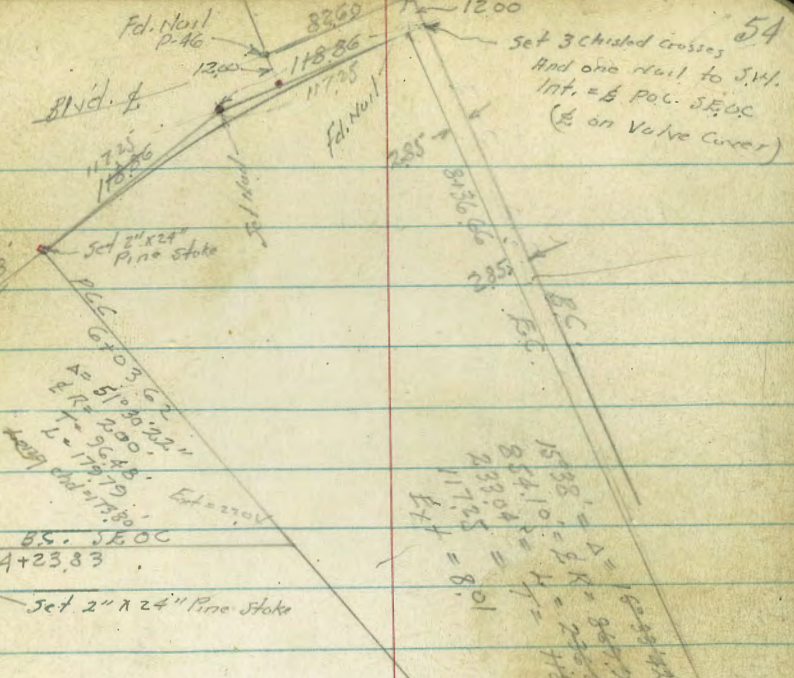
Alignment in
MARRICK DRIVE

Ties - SWOC - SEOC

at West Point Levee Blvd.

Walker
Pape
Clark
Huffman
7-26-51

38+79.92



VOID

38+66.29 - 24.948

0+13.55

54
Set 3 christal crosses
And one nail to S.H.
Int. = S.P.C. SEOC
(on Valve Cover)

1538
854.10
2320.4
117.25
8.01

855.16
2321.46
117.25

WABASKA DRIVE
 Cross Sections from 26+00
 To West Point Levee Blvd.

27+80

TP 12.10 40.44 28.2 28.34

27+50

REDUCED BY
 MEEHAN 2/16/51

27+00

26+50

26+00

T.P. 1.00 29.16 18.69 28.16

4.16 36.69

1.02 40.85 39.83

Lt R. 56

40.1 40.6 36.6 33.4 29.2 25.8 15.8 15.8
 03 +0.2 38 70 11.2 14.6 2.46 24.6
 100 72 34 16 15 40 100

37.6 30.2 29.5 25.1 16.6 15.9
 +8.9 +70 +0.3 4.1 12.6 13.3
 100 47 10 35 100

33.6 29.4 25.8 17.7 16.5 16.7 15.9
 +4.4 +0.2 3.4 11.5 12.7 12.5 13.3
 100 80 63 13 60 100
 toe

18.7 17.4 16.4 16.8 15.9
 10.5 11.8 12.8 12.4 13.3
 85 60 60 100
 toe

19.2 18.6 17.3 16.6 16.4 16.1
 10.0 10.6 11.9 12.6 12.8 13.1
 100 80 60 60 100

29.16
 on Hub 25+4689 P-50

on POST Hub "A" P-50

B.M. on Hub 30+9929 "P" line P-27
 location P-23

WABASKA DRIVE - Cross Sections

Lt. 2 157 57

29+82.87 on H-6 309

29+60 Cont.

TP 7.51 - 47.73 6.22 40.22

29+60

29+30

29+00

28+50

28+30

28+00

4044

42.3 43.7 41.3
54 40 64
100 30 47.73

36.2 33.1 26.2
42 7.3 14.2
20 52 100

37.0 36.2 33.9 30.4 27.7 27.0
34 42 6.5 10.0 12.7 13.4
100 50 50 95 100

31.8 29.0 26.9 25.1 24.6 22.2
8.6 11.4 13.5 15.3 15.8 18.2
100 50 50 68 100

27.6 22.4 17.7 17.4 18.4
128 180 227 230 220
100 50 50 100

29.6 24.4 17.2 16.6 16.4
108 16.0 23.2 23.8 24.0
100 50 35 100

35.8 36.2 30.9 25.4 22.4 16.1 16.1
45 42 25 15.0 18.0 24.3 24.3
90 60 27 40.14 15 35 100

NEBRASKA Drainage Cross Sections

Lt.

£

58

32+00

15.2

32.5

10.0

Mud Flat.

32+00

53.3	41.5	42.5	41.5	37.1	32.2	22.1	15.3
+56	0.2	52	6.2	10.0	16.5	25.0	32.4
112	50		16	22	38	58	Mud Flat.

CHK stub = TR#17 P27

6.14

41.61
41.59

31+50

54.3	48.5	44.4	44.0	36.4	21.1	15.0	14.1
+6.6	+0.8	33	3.7	11.3	23.0	32.7	33.0
100	50	32	18	50	86	100	Mud Flat

31+00

49.9	48.3	47.1	47.0	48.5	41.5	39.4	34.6	23.5	15.0
+7.2	+0.6	0.6	0.7	2.2	6.2	8.3	13.1	24.2	32.7
100	31	9.0	5	4	15	25	68	104	Mud Flat

P.O.T.

30+79 33 on 3"x3" post 2.74

30+50

51.3	50.9	47.1	46.4	39.2	31.1	24.7	17.7
+6.6	+3.2	0.6	1.3	8.5	16.6	23.0	30
90.0	50	12		30	62	70	100

30+10

51.4	51.5	50.3	45.4	39.5	36.0	21.9
+3.7	+3.8	+2.6	2.3	8.2	11.7	25.8
100	80	50		34	50	100

29+85

44.7	46.5	47.6	44.6	37.1	32.6	25.2
3.0	1.2	0.5	3.1	10.6	15.1	22.5
100	75	50		38	62	100

47.73

47.73

35+50

TP 3.07 36.44 992 33.37

35+14

34+50

34+00

33+50

33+00

32+55

TP 170 43.22 614 41.59
47.73

34.1	32.3	31.5	14.2	14.2.1
23	4.1	4.9	2.2, 2.2 Mud	22.2
100	48	22	36.94	100
	Fence			Mud.

35.6	34.2	33.9	32.5	31.3	30.3	15.3	15.0
77	9.1	9.4	10.8	9.0	9.0	28.0	28.3
100	56	42	20	2	2	30	100
		Fence	Not Ground	Rubbish	Rubbish	Mud	Mud
						Flot.	Flot.

35.0	36.2	35.7	34.1	33.7	35.2	15.3	14.9
5.3	7.1	8.1	9.2	9.6	8.1	28.0	28.4
100	50	32		9	25	57	100
		Fence		Rubbish	Rubbish	Mud	Mud
						Flot.	Flot.

41.0	38.3	36.7	35.5	34.5	15.3	15.0
2.3	5.0	6.6	7.8	8.8	28.0	28.3
100	50	23		34	68	100
		Fence		Rubbish	Mud	Mud
						Flot.

44.6	40.6	38.1	30.8	36.8	26.1	20.9	15.3	15.0
+1.3	27	5.2	6.5	6.5	17.2	22.4	28.0	28.3
100	50	15.		25	46	63	75	100
		Fence		Rubbish			Mud	Mud
							Flot.	Flot.

46.8	44.0	39.8	39.1	45.4	30.8	24.8	15.3	14.9
+3.5	+0.7	3.5	4.2	8.1	12.5	18.5	28.0	28.4
100	50	7.		28	36	57	87	100
		Fence					Mud	Mud
							Flot.	Flot.

50.5	46.3	40.5	39.1	32.0	26.2	15.3	15.0
+7.2	+3.0	2.8	4.2	11.9	21.1	28.0	28.3
100	50		26	39	60	87	100
							Mud
							Flot.

WABASKA DRIVE - Cross Sections

Lt

h

Rt 60

39+00

13.9
101
100

13.9
101
2401

13.9
101
100

TR. 0.29 2401 1290 23.72

30.5 20.2
61 54 22.2
110 100 76

13.7
22.9

13.7
22.9
100

37+70

31.5 31.6 25.3
51 50 11.3 22.9
110 102 90 74

13.1
22.9

13.1
22.9
100

37+31

on 60 ft. fence Post.
N.W. Cor. Soto & Wabaska

TR. 0.53 3662 0.35 3609

31.7 31.4 13.9
47 50 22.5
100 69 32

3662
13.9
22.5

15.2
21.2
100

37+17

32.0 31.2 13.9
44 52 22.5
95 50 28

13.9
22.5

14.1
21.7
100

37+00

32.2 31.0 30.6 14.4 14.4
42 54 56 22.0 22.0
100 64 40 22
Fence

14.4
22.0
100
Mud.

36+50

33.2 31.3 31.3 14.4 14.4
3.2 51 51 22.4 22.4
100 56 32 15 36.44
Fence Mud.

14.0
22.4
100

36+00

36.44

Nebraska Drive

42+00

13.0
8.3
100

15.2
70

15.0
7.2
100

41+50

14.0
8.2
100

15.0
7.2

15.6
6.6
50

15.0
7.2
100

41+00

13.8
8.4
100

13.8
8.4

14.2
8.0
63

20.4
1.8
75

20.9
1.3
83

23.6
+1.4
85

27.2
+5.0
100

40+50

13.8
8.4
100

14.1
8.1

15.0
7.2
50

15.9
6.3
77
100

18.6
3.6
100

T.P. 6.72 22.15 86.5 15.36

22.15
7

41+00

~~13.3~~
100

~~10.3~~

~~10.3~~
100

40+00

13.9
10.1
100

13.9
10.1

13.9
10.1
100

24.01

24.01

Hubaska Drive

0.03

33.68 - P 27

8.20 33.65

T.P. 948 41.85 0.81 32.37

W. Point Luma - 6 Sea Side Pl.

U.S.G.S. BM 541. 4.67 28.51

T.P. 11.25 33.18 0.92 21.23

44+87

17.6	15.8	14.6	15.7	15.8
4.6	6.4	7.6	7.0	6.4
100	50		50	100

Section Along
44+75.55 = Shore West Point Luma Blvd.

17.1	15.9	14.1	15.3	15.9
4.5	6.3	7.5	6.9	6.3
100	50		50	100

44+71

13.6	13.5	13.6	14.2	14.7
8.6	8.7	8.6	8.0	7.5
100	50		50	100

44+00

14.4		14.2		14.6
7.8		8.0		7.6
100				100

43+00

14.4		14.6		15.0
7.8		7.6		7.2
100				100

22.15

22.15

Sections on Existing 12" Culvert
 sketch P-52

Lt.

Rt.

Pt. 63

1+26.1 = End 12" Corrug. Iron Pipe

0.15
 220
 Invert
 End 12" Pipe

1+01.1 = 1/2 NH Cleanout 3' x 3' Box

9.95	10.14	11.34	9.22
1220	1761	771	1293
15	Invert	0	0
Invert	0+996	Run	1+026
18"	To South		Invert
To West			12"
			To North

0+95.5 = W. cb line inlet

13.42	12.61	13.49	11.46	12.46	12.93	13.71
873	954	866	1070	969	922	838
13	130	0	Invert	0	137	137
cb	Gut.	cb		Gut.	Gut.	cb

0+43.5 = S. cb.

23.15

13.55	12.40	12.21	13.61	11.40	17.89	13.75
860	975	994	854	1075	926	840
137	137	0		0	127	127
cb	Gut.	Par.		Invert	Gut.	cb

22.15

West Point Loma Blvd.
Cross Sections

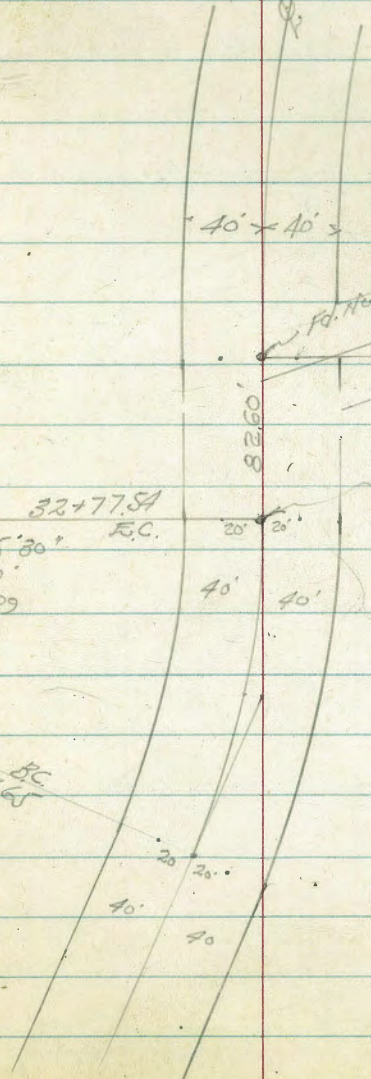
Set West Point
Loma Blvd.

($E.R. = 881.9$)
 $\Delta = 48^{\circ}50'$
 $T = 400.36 = \text{Total}$
Data from
P. 47

40' x 40'
Ft. Mark p. 47 & Prop Line
Monte Lro
FB 2317
18
3346014

32+77.5A
 $\Delta = 23^{\circ}25'30''$ E.C.
 $E.R. = 440'$
 $L = 179.89$
 $T = 91.22$

30+97.65
B.C.



CROSS SECTIONS

WEST POINT LUMBA BLVD.

from 25+53.72 to 33+60.14

Sketch P-64-65 NO. 22002

26+69 29.5' RT 24" Cypress Tree

26+50

26+41 29.8' RT = 24" Fan Palm

26+05 29.5' LT = 30" Fan Palm

26+25

26+16 29' 4" 18" Cypress Tree

26+00

25+93.5 30' RT = 28" Fan Palm

25+80 30' LT = 24" Palm

P-4621

25+81 = Pole 28' RT

25+75

REVICED MEENAN
AUG. 17, 1951

0+66 29' LT = 18" Cypress Tree

25+53.72 = E.C. P-64

546 33.27

2.8.51

LT.

R.

RT. 66

Walker
Rope
clut
Huffman
8851

29.4	29.39	29.31	29.26	28.65	29.09	29.50	29.30	29.0	29.78	29.83	29.8	31.
46	458	160	471	532	488	467	467	497	419	414	410	30
40	38	32.57	26	26	13	13	26	26	26	32.5	38	40
		Walk	cb.	Gut			Gut	cb.	Walk	Walk	Bunk	

29.51	29.51	29.43	29.71	29.4	29.56	29.56	29.35	30.11	30.16	30.12	31.
44	440	451	520	465	441	441	461	586	581	585	29
40	38	26	26	13	13	26	26	26	32.5	38	40
		Walk	cb.	Gut		Gut	cb.	Walk	Walk	Bunk	

28.7	29.66	29.0	28.32	29.47	29.14	29.19	29.67	30.38	30.46	30.5	30.7
43	431	437	505	450	423	418	430	359	351	350	33
40	38	26	26	13	13	26	26	26	32.5	38	40
		Walk	cb.	Gut		Gut	cb.	Walk	Walk		

29.71	29.70	29.78	29.02	29.48	29.85	29.84	29.71	30.44	30.55	30.58	30.4
42	417	425	425	449	412	413	420	359	342	339	33
40	38	26	26	13	13	26	26	26	32.5	38	40
		Walk	cb.	Gut		Gut	cb.	Walk	Walk		

29.76	29.79	28.36	29.50	29.81	29.83	29.82	30.40	30.51	30.57	30.6
421	418	501	447	416	414	415	357	343	338	34
40	38	26	13	13	26	26	26	26	26	40
		in Drive	Hedge	Gut	in Drive	33.97	Gut	cb.	Walk	Walk

B.M. on U.S. 95 SW. Side of W. Pt. Lumba
P-62

West Point Loma Blvd.
Cross Sections

TR 532 33.83 546 28.51

27+2819 Cont

on Map

29.17 29.17
480 350
50 90
Walk Walk

27+2819 = 10' W side Seaside Place

Section
diag.

27.45 27.47 27.31 26.67 27.00 27.14 27.16 27.05 27.68 28.01
65 650 666 730 697 678 681 692 629 592
40 38 26 26 13 13 283 283 40
Walk Topcb cut cut Topcb

SW Rot. Sketch P-53

27.44 28.06 27.05 27.73 27.08 27.16 27.39 28.43
653 591 622 624 689 621 658 554
#1 #1 #2 #2 #3 #3 #4 #1
cut cb cut cb cut cb cut cb
R. R.

27+25 = Pole Anchor 27.5' RT

27+17 = 1/2 Fire Plug, 27.4' RT

27+14 = MH = Break in Grade of Paving

27.97 27.85 27.83 27.74 27.06 27.45 27.80 27.65 27.47 28.09 28.17 28.26 28.7
60 612 614 623 591 652 617 632 650 588 580 571 53
40 38 32.57 26 26 13 13 26 26 32.5 38 40
Walk Walk cb cut MH cut cb Walk Walk

27+04 27.5' RT = 1/2 Pole JP 4611

27+00

26+93 29.5' RT = 24" Fan Pol 172

26+91 29.5' RT = 24" Fan Pol 177

26+75

28.5 28.18 28.14 28.06 27.41 27.87 28.07 28.04 27.84 28.44 28.52 28.8 29.0
57 579 583 591 656 623 590 523 613 553 545 541 50
40 38 32.57 26 26 13 13 26 26 32.5 38 40
Walk Walk cb cut cut cb Walk Walk

28.8 28.83 28.80 28.03 28.57 28.71 28.71 28.41 28.17 28.27 29.4 29.6
52 514 517 594 542 526 526 586 480 468 460 44
40 38 32.57 26 13 13 26 26 32.5 38 40
Walk Walk in Drive 32.97 cb. Walk Walk

33.97

27+65 Cont. = diag. Sec. East edge Cold Lay Parking

Approx Thin
27+65 = East Edge Cold Lay Parking on Seaside Pl.

27+5319 = diag. Sec.

27+45.5 = 2 Gas MH 23'x23' Inside

27+41 29.5' H = 36" Fan Palm

27+3819

27+3819 = Diag. Sec. 14' cb. Sea Side Pl.

27+2819 Cont.

H.

4

ft.

68

26.14
769
619
4 Drive
at Garage

26.17 26.09 25.99 25.8 25.93 26.34
766 774 782 845 790 799
40 38 32.57 26 13
90 Walk Gut
Drive 12 Drive 14 Drive

26.7 26.69 26.50 26.42 25.85 26.28 26.63 26.65 26.62 27.20 28.25 29.30 30.91
771 774 787 791 798 758 720 718 721 653 558 453 291
40 38 32.57 26 26 13 13 26 40 60 90 135
Walk Walk cb Gut Valley Gut

26.32

751

17.5

Rim
MH Gas

29.1* 29.96 30.68 31.36
469 587 315 247
90 90 135 135
Gut cb Gut Top cb

27.15 27.12 27.11 26.99 26.33 26.69 26.95 26.93 26.85 27.32 27.65 28.64
67 661 672 684 756 714 688 590 698 651 618 519
40 38 32.57 26 26 13 13 26 40 28 28
Walk Walk cb Gut Valley Gut cb
Brt

32.13

170

135

Walk

33 83

West Point Loma Blvd.

Cross Sections

TP 173 24.52 11.04 22.79
38+00

27+95 = End East cb on Rt

27+75.2 = End East cb on Lt

(27+89) 276' Rt = Pk = 4599
Elev

27+78.19 = Diag. Sec.

2' West of

27+72.2 = East edge Conc Drive

2

W.E. Rot. Skelb P-53

Elev.

27+70 = 48" Tree 119' Rt

" 16" 91"

" 24" 84"

" 18" 56"

" 16" 49"

3383

Lt.

Rt.

Rt.

69

23.8 23.9 23.38 24.19 24.52 24.45 23.82 24.1 25.4 26.1
10.0 9.9 10.85 9.64 9.25 9.38 10.01 9.1 8.4 7.7
62 40 256 13 925 13 25 28 40 50
Edge Pav. Pav. Pav.

25.57
826
26.2
cb.

24.29 24.44
9.54 9.39
26 26
cut cb

25.22
86
40

25.53 25.41 24.4 25.47 25.84 26.82 25.50 25.44 26.11 27.0 27.3
830 836 807 836 799 801 833 834 772 68 65
38 32.57 26.2 13 13 26 29 29 40 50
cut cb cut cb

24.4
94
62
(27+75)

26.25 26.16 25.73 25.74 26.04
758 767 810 809 879
619 40 38 32.57 26
Drive Drive Walk walk

26.85 27.47 26.19 26.72
698 636 764 711
#1 #1 #2 #2 #3 #3 #4 #4
cut cb cut cb cut cb

25.31 25.83 24.72 24.87
846 840 911 896
cut cb cut cb

33.83

West Point Lanna Blvd.
Cross Sections

Lt. 1 Rt. 70

29+00

13.7
10.8
51
Mud

13.6
11.0
75

29+00

17.8
67
57
Top Bank

17.7 17.6 17.1 17.16 17.98
68 69 74 73 664 632
40 27 26 25 13
Edge

17.20 27.97 17.04 17.9 17.8 16.9
655 748 66 67 76
13 25 27 40 46
Edge Pav

28+75 Cont.

13.9
10.6 10.8
55 75
Mud Mud.

28+75

18.5 18.7 18.6 18.29
6.0 5.8 5.9 2.23 3.35 4.93
58 40 28 25 13
Top Bank Edge Pav

19.59 19.31 19.89 19.2 19.2 18.1
521 599 53 53 64
13 255 27 40 48
Edge Pav

28+50

19.8
47
52

20.1 20.0 19.5 19.81 20.68 21.16
4.4 4.5 5.0 4.71 3.84 3.42
40 28 27 25 13
Edge Pav

20.88 20.12 20.1 20.6 20.8
370 435 38 39 37
13 25 27 40 48
Edge Pav

28+29

20.83 22.20
369 232
265 265
17' vert on Hollowall
0.8" inside dia.
Conc. Drain

28+25

22.2
2.3
53
Top Bank
Jap's Drain
1 1/2" dia

22.0 21.8 21.4 21.31 22.38 22.79
2.5 2.7 3.1 3.21 2.13 1.73
40 29 28 26 13
Edge Pav

22.51 21.45 22.0 21.5 22.1
195 257 17 20 24
13 237 29 40 52
Edge Pav

24.52

West Point Loma Blvd

H. \$ RT 71

30+25

13.9	14.2	12.58	12.68	13.65	13.44	13.54	12.34	14.8	15.2	13.6
96	93	1090	1080	983	954	994	1109	87	83	10.0
40	27	26	24	18		13	25	29	40	44

Hd Wall Elev P-63

30+00

14.6	14.2	13.2	13.9		14.24	13.88	13.04	15.0	14.8	13.3	13.4
82	93	103	96.0		924	960	1044	85	87	102	101
45	28	25	13			13	25	28	40	45	60

Edge Pav. Edge Pav.

29+75

14.7	14.6	14.0	14.0	14.63		14.92	14.63	13.70	15.3	15.0	13.3	13.5
88	89	95	948	885		856	885	978	82	85	102	10.0
46	28	25	24	13			13	28	28	40	44	60

Edge Pav. Edge Pav.

29+50

117

1.9	15.9	16.0	15.6	14.86	15.00		15.86	14.7	16.2	19.4	13.0	13.1	
216	76	75	79	862	788		762	792	880	73	41	105	104
72	58	40	27	25	13		2348	13	25	27	46	47	60

Mud Pav. Edge Pav.

29+38

27' RT

Fel. P.O. #.H 89905

218
100

West end of Inlet on RT

TR 292

2348

1096

1356

29+25

11.0
48 11.0
75

29+25

165
8.0
56

10.8	16.8	16.0	15.99	16.67		16.96	16.68	15.79	16.8	17.1	20.2
77	77	85	853	785		756	784	873	77	74	43
40	27	25	23	13			13	25	29	40	7.8

Edge Pav.

2452

2452

West Point Loma Blvd.

Lt.

L

Rt. 72

31+75

1.5	4.5	18.3	19.08	18.43	19.2	19.2	19.4	18.42	19.3	20.1	20.4	15.8	16.8
22.0	190	47	44	505	424	386	376	456	37	34	31	82	82
100	64	41	29	26	13		13	25	29	40	48	58	70
				Edge									
				Pol									

31+65 opp. Inlet 10" drain 47 Hd wall

436 572
27 Hd wall 27 Invert

31+50

18.0	18.0	17.08	18.02	18.40	18.08	17.86	18.6	18.2	17.0	16.2	16.2
5.8	5.5	6.4	5.6	5.88	5.40	6.12	4.9	5.3	5.7	7.3	7.3
40	29	26	13		13	24	27	40	42	60	60
		Edge				Edge		10" Drain			
		Pol				Pol		Engr.			

31+25

3.5	3.5	16.5	26.8	15.92	16.81	17.18	16.74	15.90	17.4	17.4	15.5	15.5
20.0	20.0	70	67	756	667	630	669	758	61	61	80	80
100	64	40	28	26	13		13	24	28	40	44	60
			Edge					Edge				
			Pol					Pol				

30+97.65 = B.C. Lt

1.7	2.0	15.4	15.7	14.74	15.53	15.88	15.42	14.58	16.1	16.1	14.4	14.5
21.8	21.5	81	7.8	874	795	760	806	820	74	74	91	90
100	62	40	28	25	13		13	25	28	40	45	60
			Edge					Edge				
			Pol					Pol				

30+87 28 Rt. = Tel Pole 40 70 94-H

1.7	2.0	14.6	15.0	13.96	14.06	14.94	14.52	13.83	15.6	16.0	14.2	14.4
21.8	21.5	89	85	952	882	854	876	945	79	75	93	91
100	62	40	28	24	13		13	26	29	40	43	60
			Edge					Edge				
			Pol					Pol				

30+50

1.7	2.0	14.4	14.5	12.94	13.96	14.18	13.76	12.82	14.9	15.2	14.3	14.5
21.8	21.5	91	90	1054	952	930	972	1062	86	83	92	90
100	61	40	28	26	13		13	26	28	40	44	60
			Edge					Edge				
			Pol					Pol				

West Point Lanna Blvd

Lt.

\$

Rt. 73

33+38 = L. Sancer MH 34'14" →

33+25

25.63
591
34 26.2 24.0
R.M. 53 754 24.57 24.16
MH 40 23 13 697 678 24.71 24.6 25.5 26.7
13 27 36 48
Edge Pav

33+15 28.7 Rt = 1/2 Fire Hydr.

33+00

26.4 25.6 23.54 23.99 24.26 24.20 23.8 24.1 25.3 27.6
51 59 820 755 788 734 770 66 62 39
46 40 25 13 13 26 30 36 40
Edge Pav

32+77.54 = E.C

26.2 26.3 23.8 22.54 23.34 23.70 23.62 23.0 24.3 24.7 21.4
53 52 77 800 820 784 792 850 72 68 41
40 35.7 31 25 13 13 26 29 35 40
Top cobb. curv Edge Pav

32+54 = Pole Anchor 38' Rt.

32+50

24.9 25.8 22.6 21.77 22.44 22.84 22.93 22.31 23.1 24.2
66 57 89 977 910 870 871 822 84 73
40 35 34.7 24 13 13 26 28 40
Edge Pav

32+25

21.6 21.7 21.6 20.84 21.51 21.89 21.92 20.38 21.9 22.4
99 98 90 1070 1003 965 962 1016 96 91
55 40 27 25 13 13 26 28 40
Edge Pav

TR 899

31.54

093

22.55

32+28

28' Rt = Elec Pole 2501 P

1.5 4.5 20.2 20.5 19.74 20.95 20.82 20.74 20.58 21.4 23.2
22.0 190 3.3 30 374 303 266 264 298 21 93
100 72 40 28 26 13 13 26 40 58
Edge Pav

32+00

23.48

West Point Loma Blvd.

Lt.

\$

Rt.

74

			001	28.51
CHK B.M. P 66	1.20			28.50
T.A. 8.98	30.40	001		2.192
T.P. 2.80	21.93	12.41		19.13

33'4 33+38 5.91
 Set Temp B.M. South edge Riv. MH

33+60.14 = B.C. RT.

25.9	20.6	25.12	25.17	25.12	24.91	25.23
5.6	6.90	6.42	6.37	6.42	6.63	5.51
40	24	13		13	27	40
	Edge Pav				Edge Pav	

33+50

26.1	24.47	24.99	25.08	25.04	24.18	25.79
5.4	7.07	6.55	6.46	6.50	6.76	5.75
40	23	13		13	27	40

31.54

31.54

Cross Sections - S.E.O.C.

Wabaska & W.P. Loma Blvd
 Walker Alignment P-54 110 22002
 Pope
 Clark
 Huffman
 8-10-51

74 75
 INDEXED
 Law
 JUN 19 1952

7400 & Nail

TP 13.04 34.38 2.16 21.31

6+50

18.8 18.71 14.6 21.1 22.5 20.4
 470 479 39 24 10 31
 493 223 19 12 50

6+30

18.6 19.3 15.5 14.5
 49 42 8.0 9.0
 32 18 50
 700

6+03.22 = E.C

16.9 17.4 15.8 15.4 14.4
 66 61 77 81 91
 50 36 28 50

5+13.73 = ctr of Curve

13.9 14.6 14.9
 96 89 86
 50 50

4+23.83 = B.C R1

14.9 14.9 15.1
 86 86 84
 50 50

23.50

2.94 23.50 13.56

B.M. on West end of lot 71

Cross Sections - S.E.O.C

West Point Lanna Blvd.

8+25

24.95	25.05	25.02	25.82	25.97	27.0
943	933	936	956	841	74
25	10		13	32	50
Per.	Per.	Per.			

8+10

24.58	24.75	24.74	25.0	26.3	29.2	31
980	963	964	95	81	5.2	4.0
25	10		23	30	43	50
Per.						

8+05

34.52	24.69	24.66	21.4	25.6	34.1	35.0
986	969	972	13	8.8	93	+0.6
25	10		950	26	37	50
			Edge		Yard	Low
			Per.			

8+00

7+75

23.93	24.18	24.06	23.69	24.9	25.2	34.4	35.4
1045	1020	1032	1069	95	92	00	+1.0
25	10		11	16	23	36	52
Per.	Per.		Edge			Low	Low
			Per.				

7+50

23.23	23.54	23.31	22.89	24.2	24.4	34.4	35.3
1115	1084	1107	1149	102	99	00	+0.9
25	10		9	12	20	33	50
Per.	Per.	Per.	Edge			Low	Low
			Per.				

7+25

22.48	22.72	22.45	23.28	23.1	24.1	34.2	34.2
1120	1166	1193	1210	113	103	02	02
25	10		5	7	17	30	33
Per.	Per.	Per.	Edge				of
			Per.				fence

7+00

21.58	21.68	22.5	23.5	27.3	29.7	31.2
1280	1270	118	108	71	47	32
25		10	13	18	25	40
Per.						

Sta. C.C. - Cross Sections

Cont. from P-76

Chk Nail: 33+60.14 P-74 921 25.17

8+70

15.25	15.21	25.21	24.72
913	911	917	966
25	10		15
Pat			

Top 33+15.28 RT P-73
Fire Hyd 762 26.76

8+36.66 = E.S.

34.38

25.08	25.15	25.12	24.82	26.3	24.8
930	923	926	956	81	86
25	10		10	32	50

34.38

MINNESOTA FREWAY

Levels

35+14 Sec P-59

4.5	5.2	36.0	32.1	31.9	153
4.0	5.3	4.5	6.8	5.6	25.2
29	29	0	Not.	26	57
Rb.	Not.	Rb.	Not.	Rb.	Not.
40.5					

34+50

34+00

35.4	36.1	34.6	36.6	15.3
3.2	1.9	4.0	2.1	23.3
18	13	38.6	5	68
Not.	Rb.	Not.	Rb.	Not.
			34	

33+00

41.0	39.1	40	31.1
4.0	2.0	3.0	8.0
Not	5	17	24
Rb.	Not.	Rb.	Not.
43.0			

32+70 = Beg. Rubbish Dump

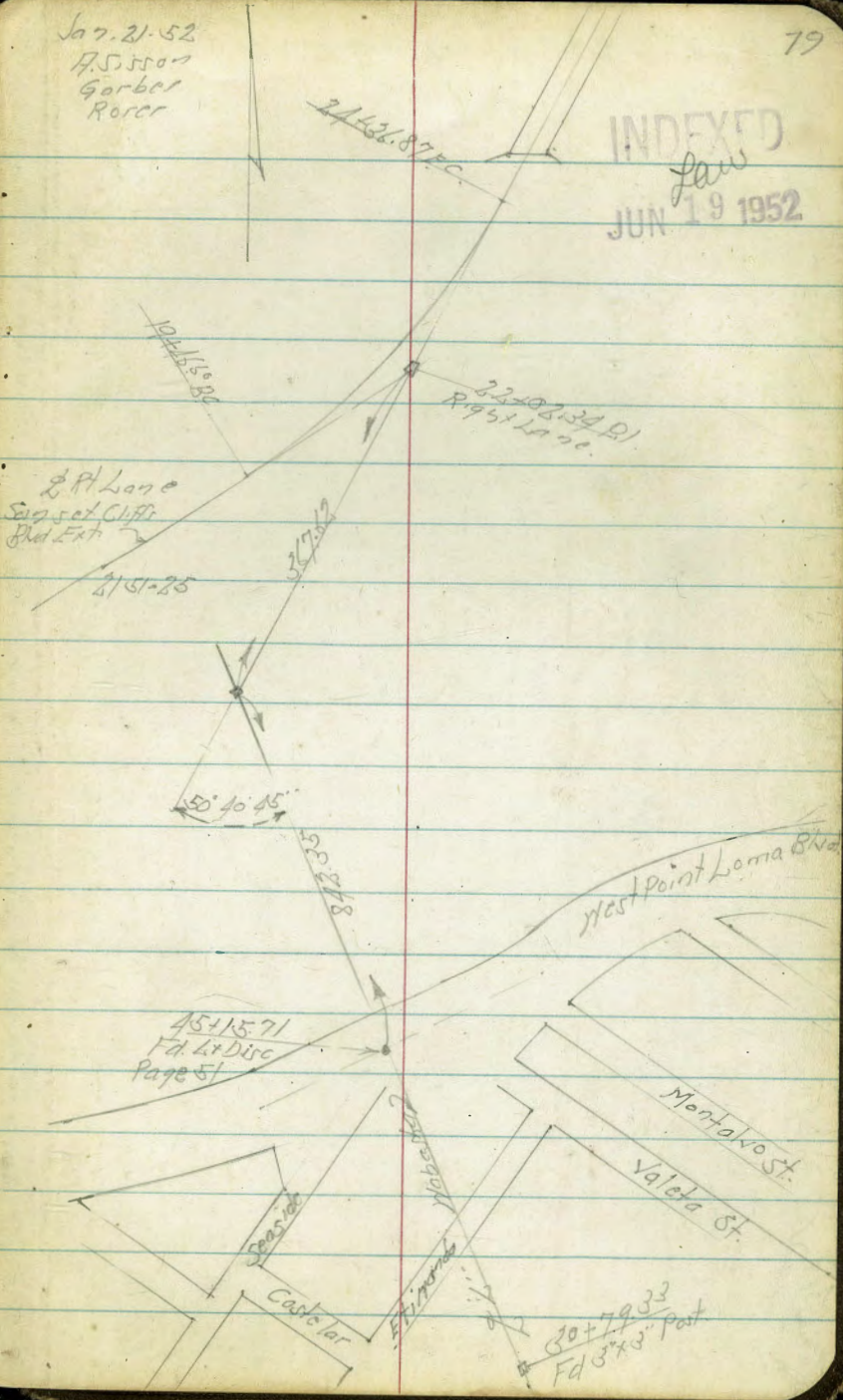
46	31	33	48	10.1
Not.	Rb.	20	Not.	Not.
		Rb.		

44.5 Hand Level

The Habaska Drive + Sunset Cliffs
Blvd Extension

Jan. 21. 52
H. Sisson
Garber
Rorer

INDEXED
Law
JUN 19 1952



Tic
Bla

1057
542
1200

120
180
300

420
180
660

180
840

180
1020

180
1200

2742
823
2733.27

3878.97
2829.92
837.14
873
10.67
828.41

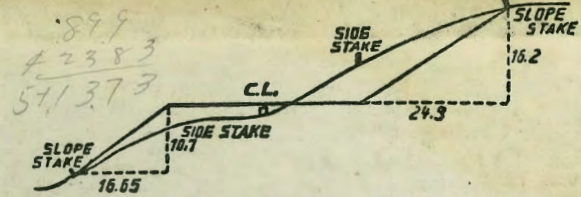
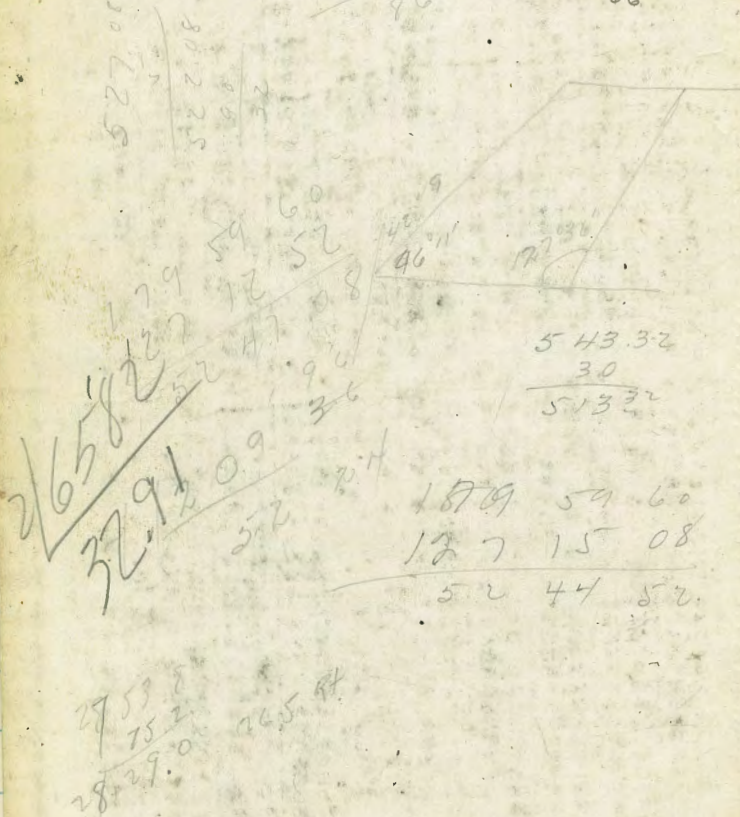
5270.8
873
5183.5

7520.59
873
7433.26

870.89
873
861.60

Tie
81 NE 89.02

29° 28' 30
58° 57
29° 28' 30
4/148° 58
37° 14' 30
7 56 57
67 70
96
28 33
33 33
1 66



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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NEW YORK CHICAGO BOSTON SAN FRANCISCO