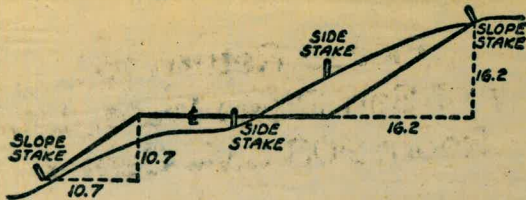


W 936



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.

Please Return to
City of San Diego Water Dept.
Room 903 Civic Center

695
872
561

21728.69
20811.32
911.87

21723.19
20817.32
911.87
20820.05
21731.92 BK. =
217+22.69 AH

2617
26150

183.15 41
197 76 71
138.70

20820.05
911.87
21731.92 BK. =
21723.19

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

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

FOR TANGENTS ADD

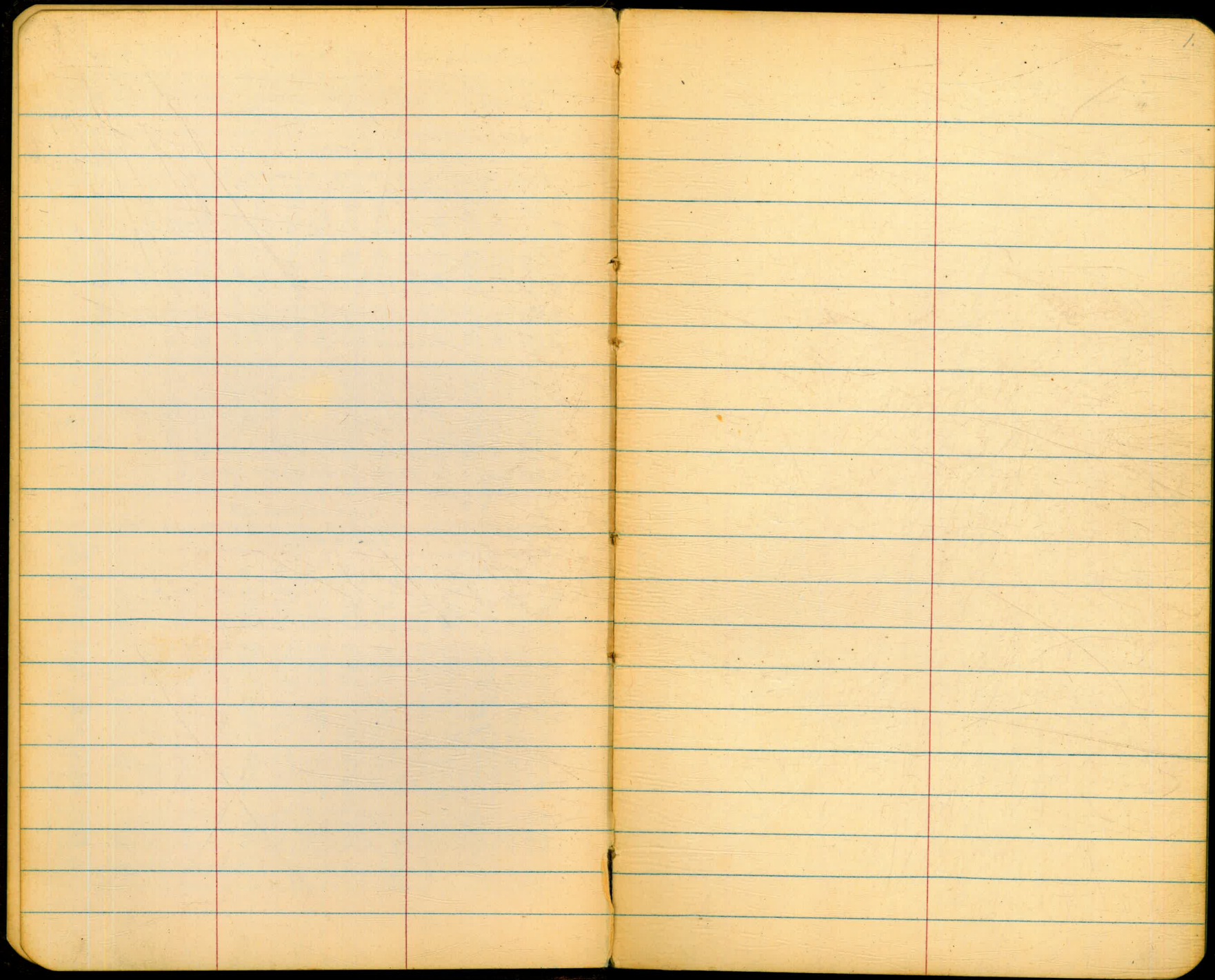
Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40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

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.266	.353	.440	.528	.618	.707	.797	.887	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.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

INDEX

& Alignment Lockwood Mesa - Torrey ✓
 Pines pipeline 2-5 ✓
 Lockwood Mesa - Torrey Pines, PL Profile 8-45 ✓
 " " " " Top of pipe 26 ✓
 " " " " (174193 - 174173) ✓
 " " " " ALIGNMENT 27-0 ✓
 " " " " & Profile 29-73 ✓
 " " " " alicia ✓
 " " " " Proposed sub-division of 1/2 Ac. 163-167 alicia 75 ✓

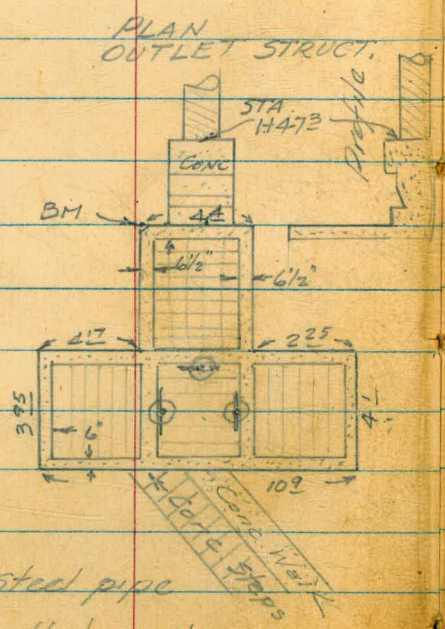


± ALIGNMT
 LOCKWOOD MESA - TORREY PINES
 20" STEEL PIPELINE

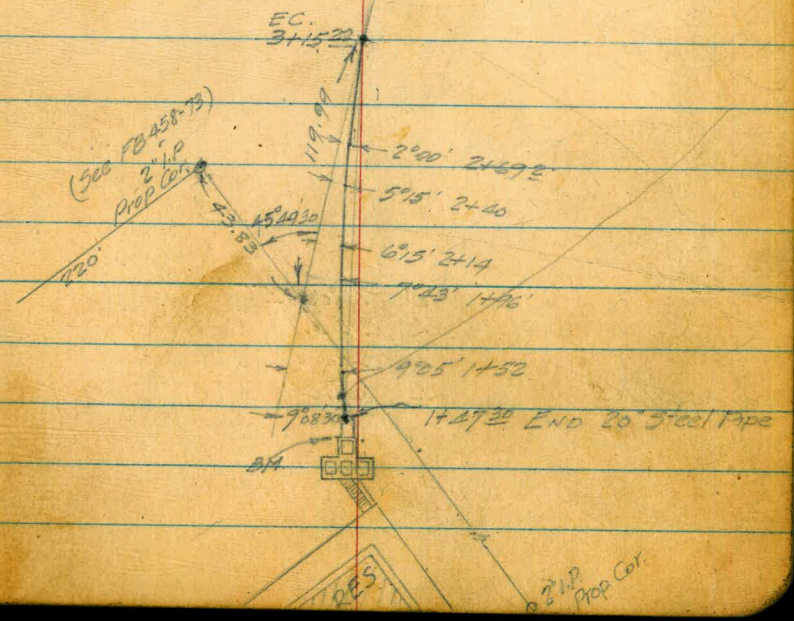
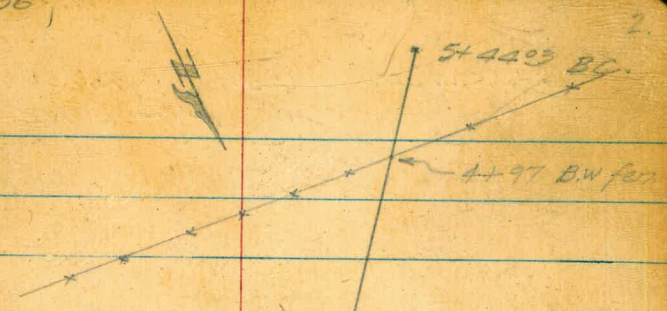
June 20, 1956
 SHOREY
 KEHR
 SMITH
 BEATTY

5+14.03 B.G.

3+15.22 E.G.



1+47.30 END 20" steel pipe
 1+41.90 Edge of outlet well
 0+00



E ALIGNMENT
 LOCKWOOD MESA - TORREY PINES
 20" PIPELINE
 (Cont'd)

15+67.29 EC

Δ 28°00' LT

R 325.

T 81.03

14+90 P.I.

L 158.82

12+089.7 BC

6+05.12 EC

Δ 10°00' LT

R 350.

T 30.62

P.I. 5+74.65

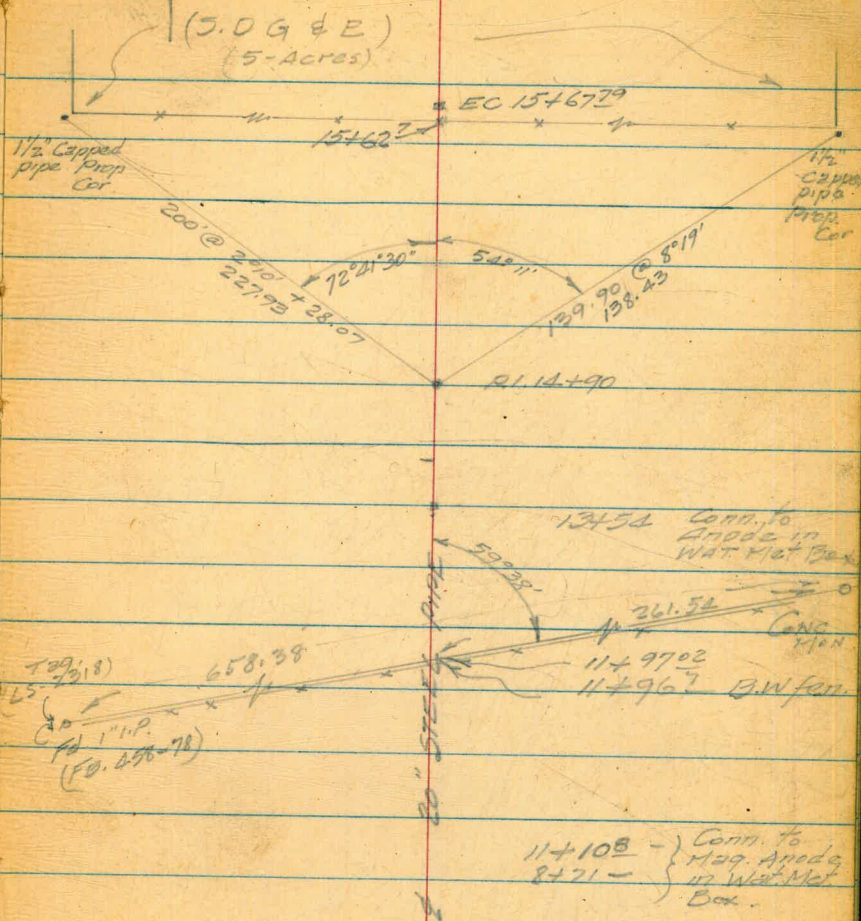
L 61.09

5+44.03 BC

6/20/56

SUB-STATION

3.



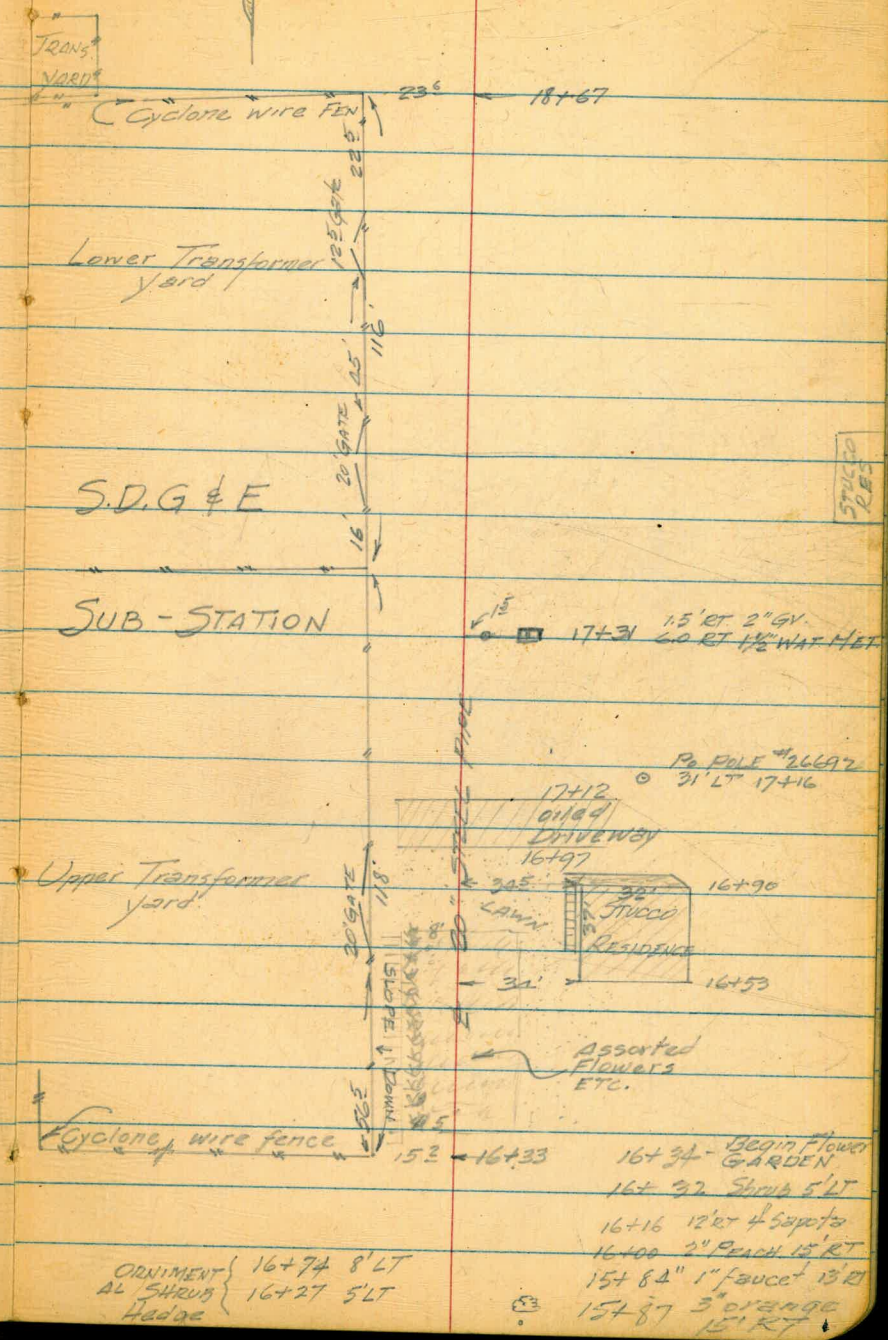
Relocation Return

3100 - 12+00

E ALIGNMENT
 LOCKWOOD MESA - TORREY PINES
 20" PIPELINE
 (Cont'd)

6/20/56

4



15+6779

ORNAMENTAL SHRUBS
 Hedge

16+34 - BEGIN FLOWER GARDEN
 16+32 STRIP 5' LT
 16+16 12' RT 4 SAPOTS
 16+00 2" PEACH 15' RT
 15+84 1" FAUCET 13' RT
 15+87 3" ORANGE 15' RT

E ALIGNMENT
 LOCKWOOD MESA - TORREY PINES
 20" PIPELINE
 (Cont'd)

6/20/56

5.



21+94.99 Edge Conc Chamber

21+92 2" AWA

21+89.60 18" Horiz GV

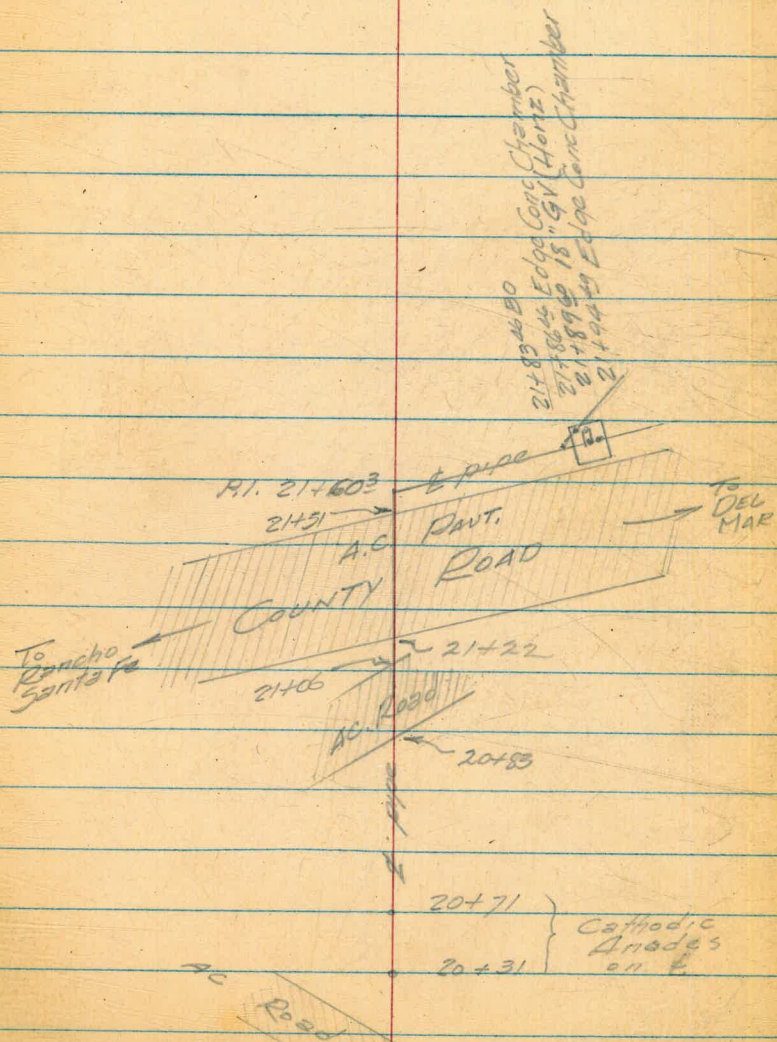
21+88 6" GV on Bo Line 4' LT

21+86.46 Edge Conc Chamber

21+83.4 ± BO

21+603 PI. $\Delta = 60^\circ$ RT

(CONT'D on pg. 15)



21+83.46 BO
 21+86.46 Edge Conc Chamber
 21+89.60 18" GV Horiz
 21+94.99 Edge Conc Chamber

To Rancho Santa Fe

To DEL MAR

PI. 21+603

21+51

A.C.

PANT. ROAD

COUNTY

ROAD

21+22

21+06

A.C. ROAD

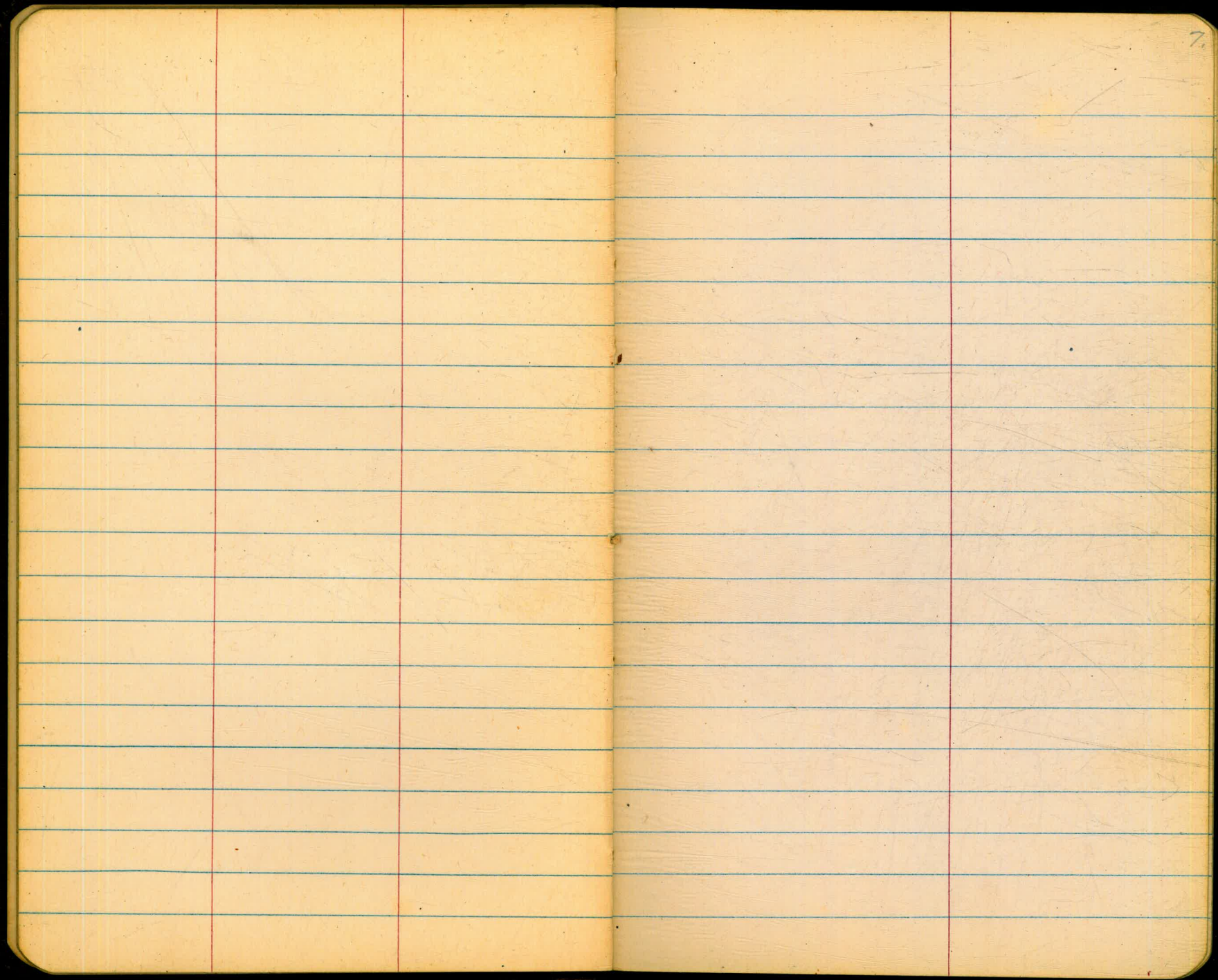
20+83

20+71

20+31

Cathodic Anodes on E

A.C. ROAD



7.

LOCKWOOD MESA - TORREY PINES
P.L.
& Profile

JUNE 26 1956
Beatty
Varonfakis

8.

BM.	3.05	209.52 209.24	206.47 ^{3/29/20} 206.19 ^{3/9/26} N.G.	Top of outlet Well STA 1+41.90 (SE Cor.)	FB 864-32 See FB 695-55 FB 529-27
ck BM	3.05		206.47 206.19 = 205.91?	SE Cor Weir Box (see FB. 561-12)	
1+202		2.96		on Conc top of slope of reservoir	
1+222		3.02		on Conc edge of reservoir	
1+25		3.3		@ cyclone fence around res.	
1+343		7.3			
1+343		2.98		top conc outlet well	
1+41.90		3.04		" " " "	
1+41.90		10.4		Groundline	
1+41.90		11.90		Top conc	
1+4350		11.90		" "	
1+4350		12.35		" "	
1+438		12.23		" "	
1+44.5		12.23		" "	
1+44.5		12.00		" "	
1+4730		12.05		on Conc	
1+4730		13.00		Top pipe	
1+4730		11.3		Groundline	
1+52		11.6		" "	
1+52		13.27		Top pipe	

LOCKWOOD MESA - TORREY PINES

6/25/56

9.

P.L. profile
~~209.52~~
~~209.27~~

TP 1.01 ~~197.94~~ 12.31 197.21
 198.22 ~~196.93~~

1+96 2.1

1+96 4.15

Top of pipe

2+14 3.6

2+14 5.50

Top of pipe

2+00 6.6

2+00 7.72

Top of pipe

2+69.2 10.5

2+69.2 11.40

Top of pipe

TP 0.13 185.54
~~185.26~~ 12.81 185.21
~~185.13~~

3+15.22 E.C. 2.8

3+50 6.2

4+00 9.5

4+50 11.6

4+97 @ fen 14.8

4+97 16.75

Top pipe

5+00 15.0

TP 0.23 172.96
~~172.68~~ 12.81 172.73
~~172.45~~

5+14.03 B.C. 6.2

6/25/56

10.

LOCKWOOD MESA - TORREY PINES

P.L.
E Profile~~172.68~~
172.96

5+50			6.9	
6+00			11.8	
6+05 ¹²	EC		12.0	
7	0.17	160.08 165.80	13.05 7.05	159.91 165.63
6+50			3.7	
7+00			8.1	
7+50			10.8	
8+00			12.4	
7	0.91	148.14 153.86	12.85	147.23 152.95
8+50			2.1	
9+00			3.4	
9+50			6.0	
10+00			7.5	
10+50			9.0	
11+00			10.6	
11+50			12.6	
12	0.05	135.29 141.91	12.90	135.24 140.96
12+00			2.2	
12+50			5.9	129.39

133.09 END Because of Relocation

see survey 10294-2D

6/25/56

11.

LOCKWOOD MESA - TORREY PINES
P.L.
& Profile

13+00	141.01 135.29	9.0	126.29
13+50		12.7	122.59
IP	0.41	122.72 128.44	122.31 128.03
14+00		2.8	119.92
14+08 ²² DC.		3.4	119.32
14+50		6.0	116.72
15+00		9.9	112.82
+32		12.4	110.32
IP	0.54	116.20 110.38	110.04 115.76
+42		2.2	108.38
+50		3.5	107.08
+62? @ fence		4.9	105.68
+67		6.1	104.48
15+67 ⁷⁹ EC.		7.52	103.06
16+00		10.6	99.98
IP	0.73	98.04 103.76	97.31 102.03
16+34		3.3	94.74
16+34		4.0	94.04
16+50		4.9	93.14
16+71		5.7	92.34

NE cor west mat Box

Top pipe

LOCKWOOD MESA - TORREY PINES
P.L

6/26/56

12.

16+97		103.76 98.04	12.0	86.04	Edge of oiled driveway
17+00			12.2	85.84	" " "
17+12			12.9	85.14	Edge of oiled driveway
17+18			13.1	84.9 85.89	
TP	1.77	83.28 87.66	12.15	91.61	
17+24			4.7	82.96	
17+50			8.0	79.66	
17+70			9.9	77.76	
17+72			11.4	76.26	
18+00			12.8	74.86	
TP Rock	0.80	75.15 80.87	13.31	74.35 80.07	
18+10			2.6	72.55	
18+39			4.6	70.55	
18+50			6.9	68.25	
19+00			12.8	62.35	
SET TBM	0.46	73.69 67.97	7.64	67.51 73.23	Nail in Tele pipe 35' RT 184.55
19+10			9.84	58.13	Top pipe
19+10			7.9	60.07	
19+20			10.1	57.87	
TP	0.20	62.30 56.62	11.55	62.14 56.42	

LOCKWOOD. MESA - TORREY PINES
P.L.

6/26/56

13.

19+50	62.34 56.62	7.8	48.82	
19+50	0.20	49.79 44.07	12.75	43.87 49.59
19+82		7.40	36.67	Edge AC road
20+00		8.90	35.17	on " "
20+07		10.34	33.73	Edge of AC Road
20+07	0.35	31.37 37.09	13.05	31.02 36.74
20+30		4.4	26.97	
20+50		6.6	24.77	
20+70		7.9	23.47	
20+83		9.0	22.37	Edge A.C road
21+00		9.2	22.17	on " "
21+06		9.6	21.77	Edge AC road
21+17		13.0	18.37	
21+22		13.35	18.02	Edge of A.C County road
21+22	5.14	29.15 28.43	13.08	18.29 24.01
21+38		5.25	18.18	4 County road
21+54		5.75	17.68	Edge AC Road
21+60 ³ x PT.		6.1	17.33	
21+83 ⁴		6.26	17.17	
21+89 ⁶⁰		12.31	11.12	Top of pipe @ Gll.

LOCKWOOD MESA - TORREY PINE
P.L

6/26/56

14

21+94.49	29.15 23.43	6.26		W edge conc util chamber	
SET TBM	1.20	18.41 22.13	6.22	17.21 22.93 = 17.70	x i/w of Mt. in Conc Chamber See FB 864-40
IP	2.00	13.57 19.29	6.84	11.57 17.29	
28+00±		4.10		15.2	
IP	2.10	13.11 13.83	2.56	11.01 16.73	
36+00±		4.5		14.3	
SET TBM	5.12	13.42 19.16	4.79	08.32 18.82	3" Fly of Newly cor. rim of G.V. Chamber 43± @ Mean gate of Fairgrounds
IP	5.22	18.45 22.19	0.19	13.23 18.97	
SET TBM	10.47	20.70 26.44	8.22	10.23 15.97	Newly cor G.V. Chamber s/side of road. Set Mt Reservoir Take-off
IP	1.84	21.82 27.56	0.72	19.98 25.72	Top AVA (plug)
IP	2.88	22.66 28.20	2.04	19.78 25.52	
CK BM		1.81		20.85 26.59 = 21.09	USC #G5 V-131 1933 Nor side of overhead bridge
				(low 224) (See pg. 35)	(See FB 864-40)

Torrey Pines Lookwood Mesa Pipe Line

West
Williams
Kallhofer

15.

53+48 X

10° 46' RT

7/ 12/ 56

10° 46' RT

53+48 X

7

49+50 Begin Conc Vault 70° Side CV

49+27 6" CV 6° RT

Main Entrance To Fair Ground

County Road

42+00 POT Spike



33+00 POT

X 21+20³⁰

33° 17' 30" LT

X 24+20³⁰

21+60³⁰ X from page #5

X 21+60³⁰ See page #5

66+64.76 EC

$\Delta = 18^{\circ} 26'$
 $R = 1232.58$
 $T = 396.55$
 $T = 200'$

1.3946' per ft

62+69.21 BC AHEAD = 62+13.21 BACK

61+02.16 Δ $17^{\circ} 48' 30''$ RL

57+84.19 Δ $10^{\circ} 07' 30''$ RL

5.5' x 5.5'
CONC. BOX
GATE VALVES



12'

87'

62+92.18" Side OV 2" H
in Conc Box

62+30.00 9' RL
61+77 2.26 OV

AT + 5' RR Siding

61+27.3 North RR RR

61+08.00 Wind

61+04.20 OV 1' RL

60+90 All. Value on E

60+67 Last Pipe Trestle

Bunche

Tidal Lagoon

58+27 First pipe Trestle

57+84.19 Δ

57+20.6 Cyclone Fence Xing

56+13 7' 8" Barrier
6' cyclone Fence

14' 7.2'

55+00 CE RT To 8' Conc. Meter Van
55+06 7.5' RT To OV

TORREY PINES Lockwood Mesa Pl.

82+57²² Δ 4° 09' 00" RT

77+94⁴² Δ 2° 16' 00" RT

71+28⁵³ Δ 14° 56' 00" LT

69+87 Δ 2° 25' 30" LT

68+30⁷³ Δ 15° 53' LT

West
Williams
Kettner

7/13/56

79+00 Road Separation
for Overpass

17.

82+57²²

7/16/56

82+24 Begin Overhead
bridge US 101

77+94⁴²

75+38 Sewer M.H.
15' RT

73+75 Sewer M.H.
15' RT

71+28⁵³

69+87

68+30⁷³

67+00 AV 8' RT
No Rail fence

Oil Road

98+08⁵¹ X 2° 40' 00" LT

95+67²³ X 1° 44' 00" RT Set stake

93+00 POT

89+09 POT Air Valve X

95+62²² BK
= 85+46²² AN X 48° 30' RT

85+28³³ X 44° 37' 30" LT

97+89 Tol 5' L
pole # 528801

98+08²¹ Z
7/19/56

11' L to House line

House

9' E to House

97+75^E Wood fence line

97+51 Wood fence line

97+12 Tol pole R' RT

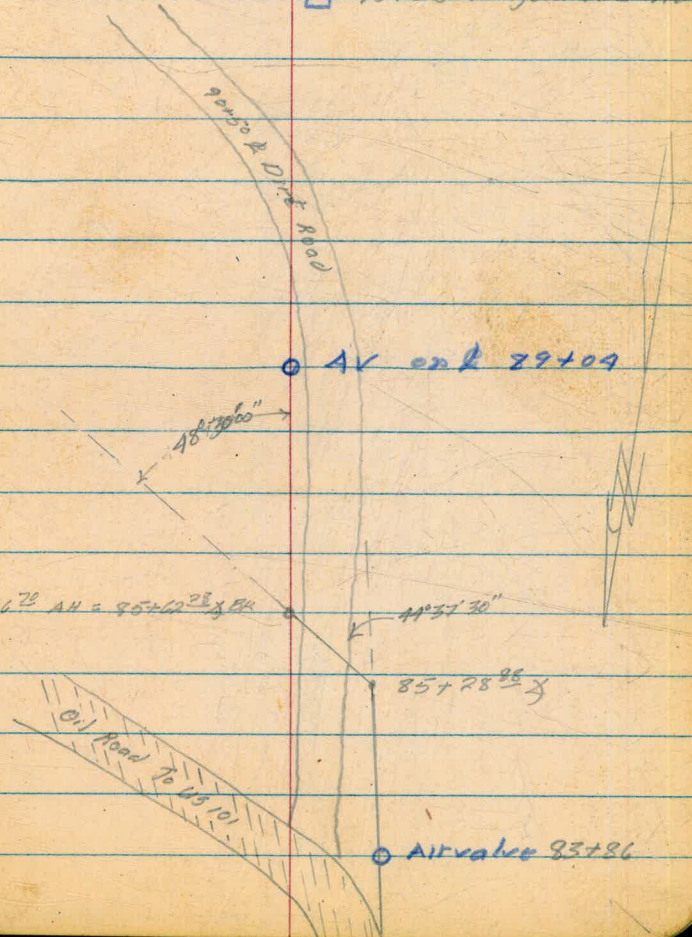
95+67²³ X

94+90 4' L
to Catholic Prot
Cables

94+80 Dig up pipe for sight

94+37 2.50 BV on L

95+35 Large WM 5" RT



TORREY PINES LOCKWOOD MESA PL.

West
Williams
Kellhofer

19.

= 104+04⁰⁶ AH
104+02⁰⁵ EC BK

$\Delta = 22^{\circ} 14' 16''$
 $R = 325'$
 $L = 126.12'$

102+75⁹³ PCC

$\Delta = 35^{\circ} 01' 20''$
 $R = 302.58$
 $L = 185.05$
 $T = 95.95$

100+90⁸⁸ BC

100+69²³ EC

$\Delta = 22^{\circ} 55' 46''$
 $R = 325'$
 $L = 129.99$
 $T = 65.88$

99+89²¹ BC

FC 104+02⁰⁵ SAH = 102+09⁰⁶ AH
103+05 4" to Core
pipe Chamber

102+75⁹³ PCC

100+99⁸⁸ BC

101+47 3" to
Core pipe
Chamber

100+63 8" Tel pole
100+26 7" to
Core pipe Chamber

100+69²³ EC

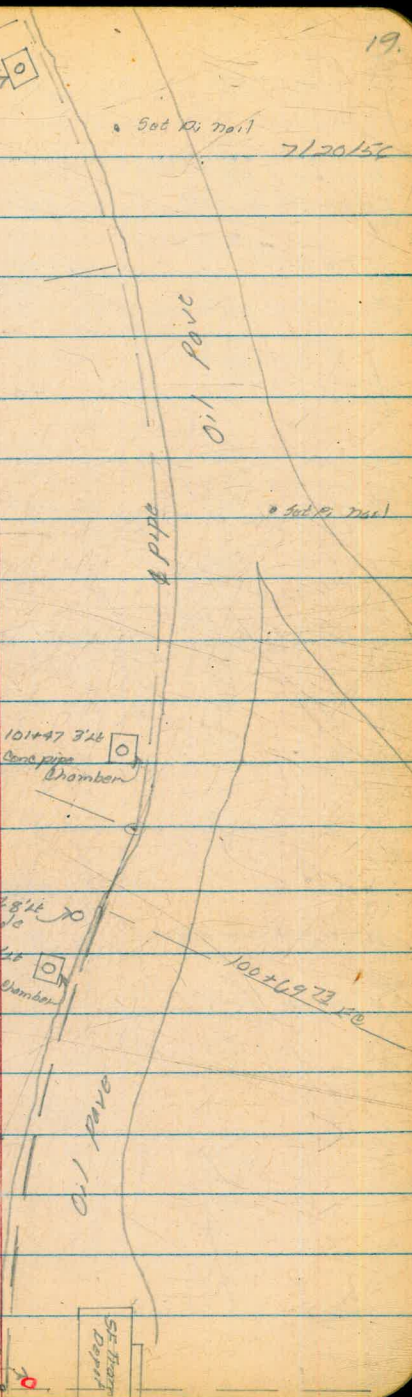
99+75 Tel pole 7" to
98+76¹⁸ Sewer 14" 8" AH

SE Water
Dept

Sod 10' Mail
7/20/56

Sod 10' Mail

Sod 10' Mail



7/29/56 20

TORREY PINES LOOKWOOD MESA PK

West
Williams
Kellhofer

12th St
As Pave

119+64⁴² AH
119+66³⁰ BK \nearrow 74° 00' 30" Rt
5' rot fence on
9.75 West of E ob line

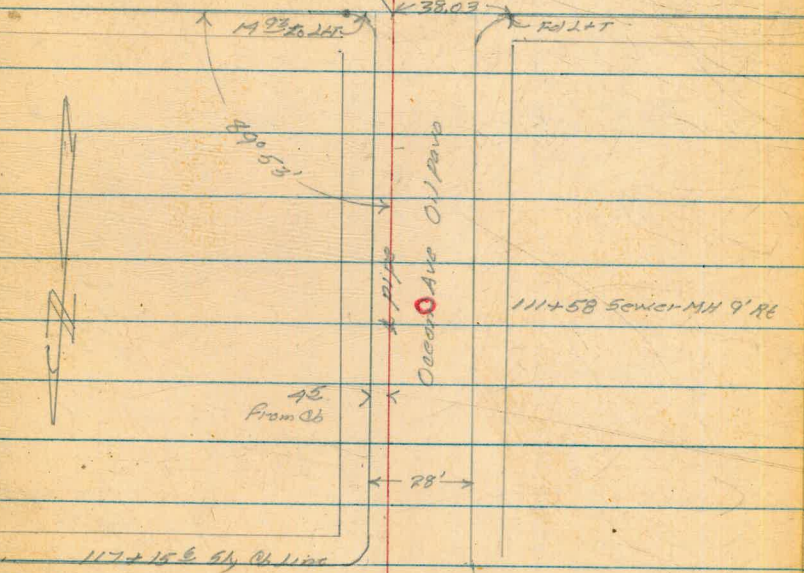
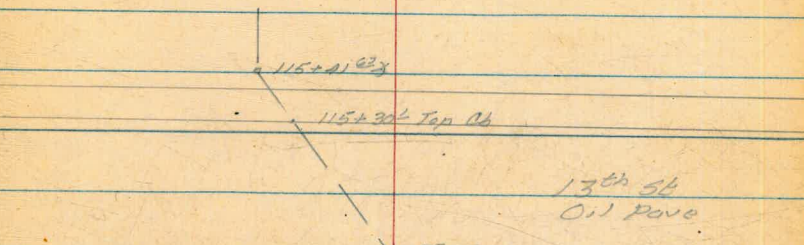
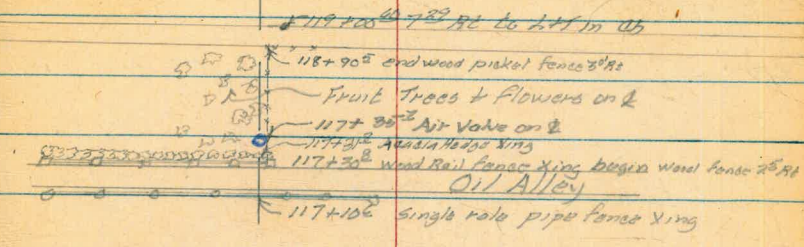
119+32²⁴ \nearrow 44° 02' 40" Lt
Line 12th St
8' North of South Ob

117+27³⁷ POT Nail sly side of Alley

115+41⁶² \nearrow 59° 02' 20" Rt sub 1 1/2" x 1 1/2" HLT

114+70⁸⁰ \nearrow 59° 17' 00" Lt on Ob line

108+00 POT



West
Williams
Kellholer

21.

= 132+47⁶³ AH

132+43⁰⁴ BK

30° 10' 00" Lt

Dug up steel pipe

131+54⁵¹ SL

41° 20' 40" Rt

set 2x2" RW Hook

130+67²⁰ SL

11° 10' 00" Lt

126+98²⁹

DOT Nail

7/25/56

131+54⁵¹ Air Valve on E

9th St

131+00 3 1/2" 26 6000

X92K

10th St

127+28⁵ Sewer-MN 5" RL

FD 15 2201 99444
126+98²⁹
Copper tag in it

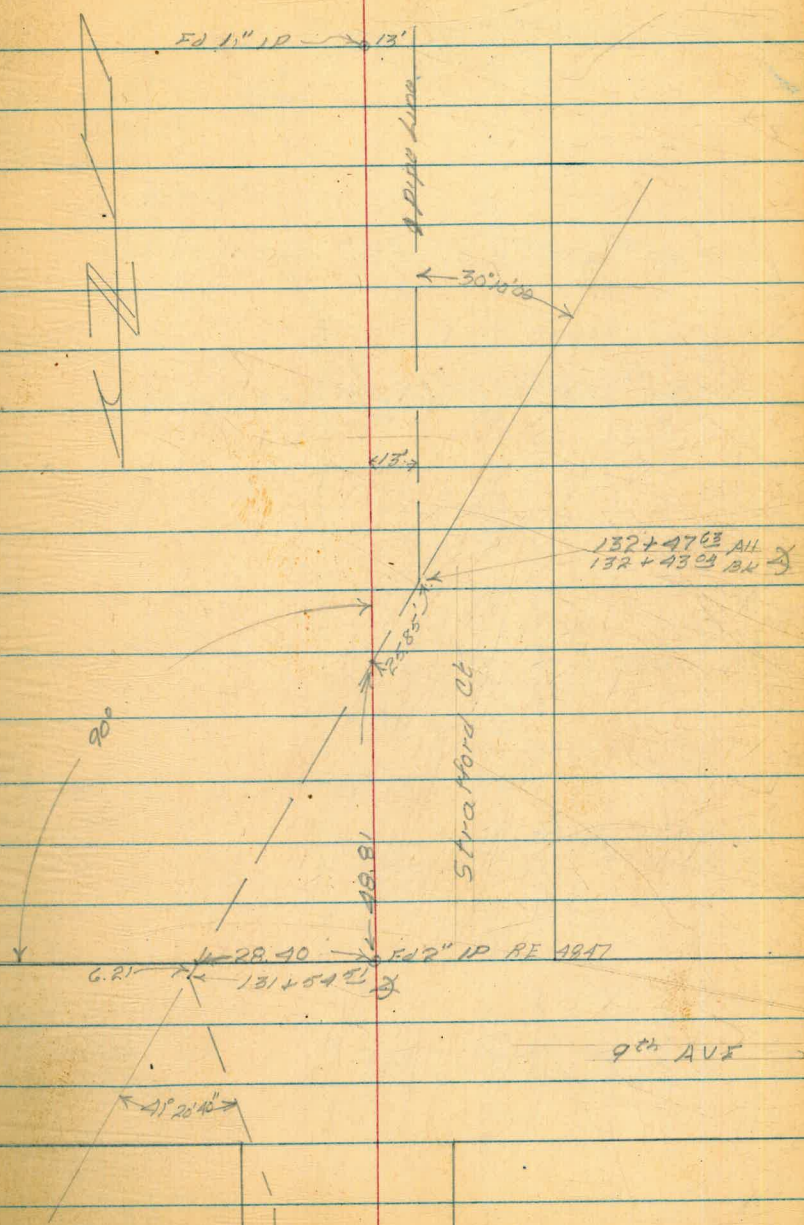
a pipe

X92K

11th St

123+28 Sewer-MN 5" RL

Ties To Property Lines
Stratford Ct + 9th Ave



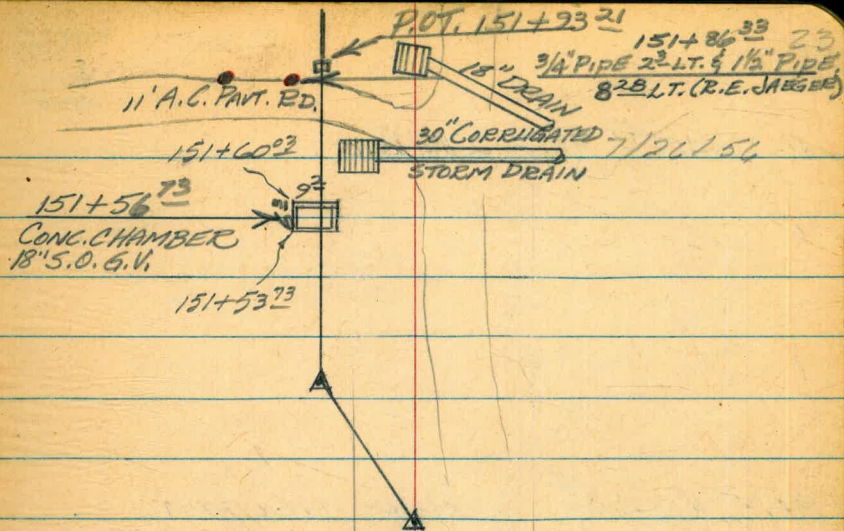
TORREY PINES Lockwood MEJA Cont

151+93²¹ P.O.T. 2"x2" HUB & TACK

148+46³⁰ ΔPT. = 19°48' RT. 2"x2" HUB & TACK

146+86⁸⁰ ΔPT. = 19°48' LT. 2"x2" HUB & TACK

137+35⁸¹ POT nail



195+59 Guy Pole

195+66 Cathodic Wires
in GV casing on R

191+59 Guy Pole #657602 10' L

190+62 Cathodic Wires
in GV casing on R

137+57 Guy Pole #657604 10' L

137+35⁸⁵ FD 1" IP 13'

137+19³ Cathodic pref
Wires in GV casing
on R

Alley

137+10 Air Valve 10' L

135+61⁵ PP # C2260 1' L

164+45⁴⁹ P.O.T. 2"x2" HUB

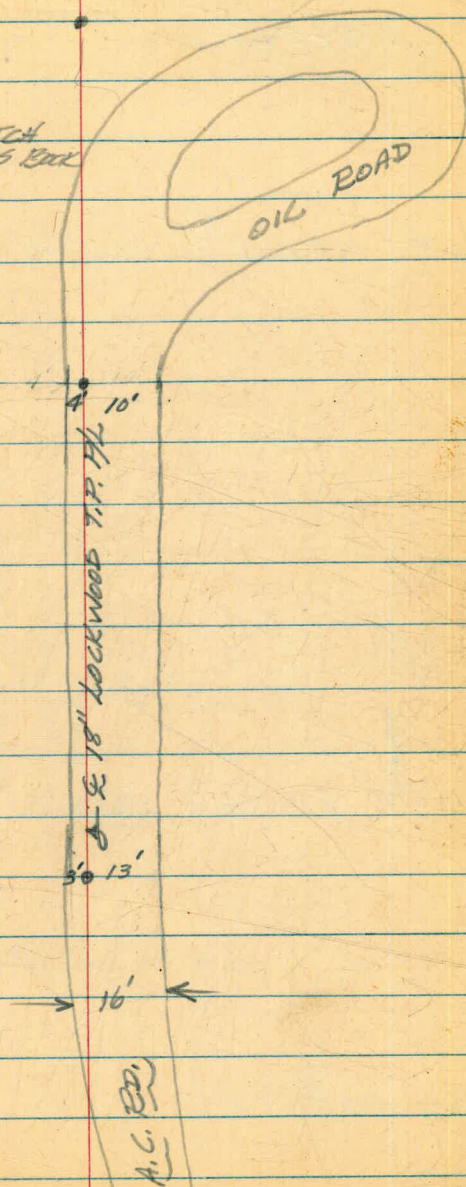
P.O.T. 160+64⁴⁸ SPIKE IN A.C. PAVT.

P.O.T. 156+61²⁷ 2"x2" HUB (PIPE 2' DEEP)

SHOREY
KEMP
SMITH
O'BRIEN

4/13/57

SEE SKETCH
PG. 75 THIS BOOK



B.C. 169+58⁵⁵

CONG. MON. STATE HWY.

1" PIPE
JAEGER 0.75 OFF

20' 30' FB HUB

CONG. MON. STATE HWY.

ΔPT. 168+61⁰⁴

67° 29' 53" RT.

5' 25' 25'

168+56

168+30

168+26

168+26

168+01

168+01

168+01

168+01

168+01

168+01

168+01

168+01

ΔPT. 167+70⁹²

32° 26' 30" LT.

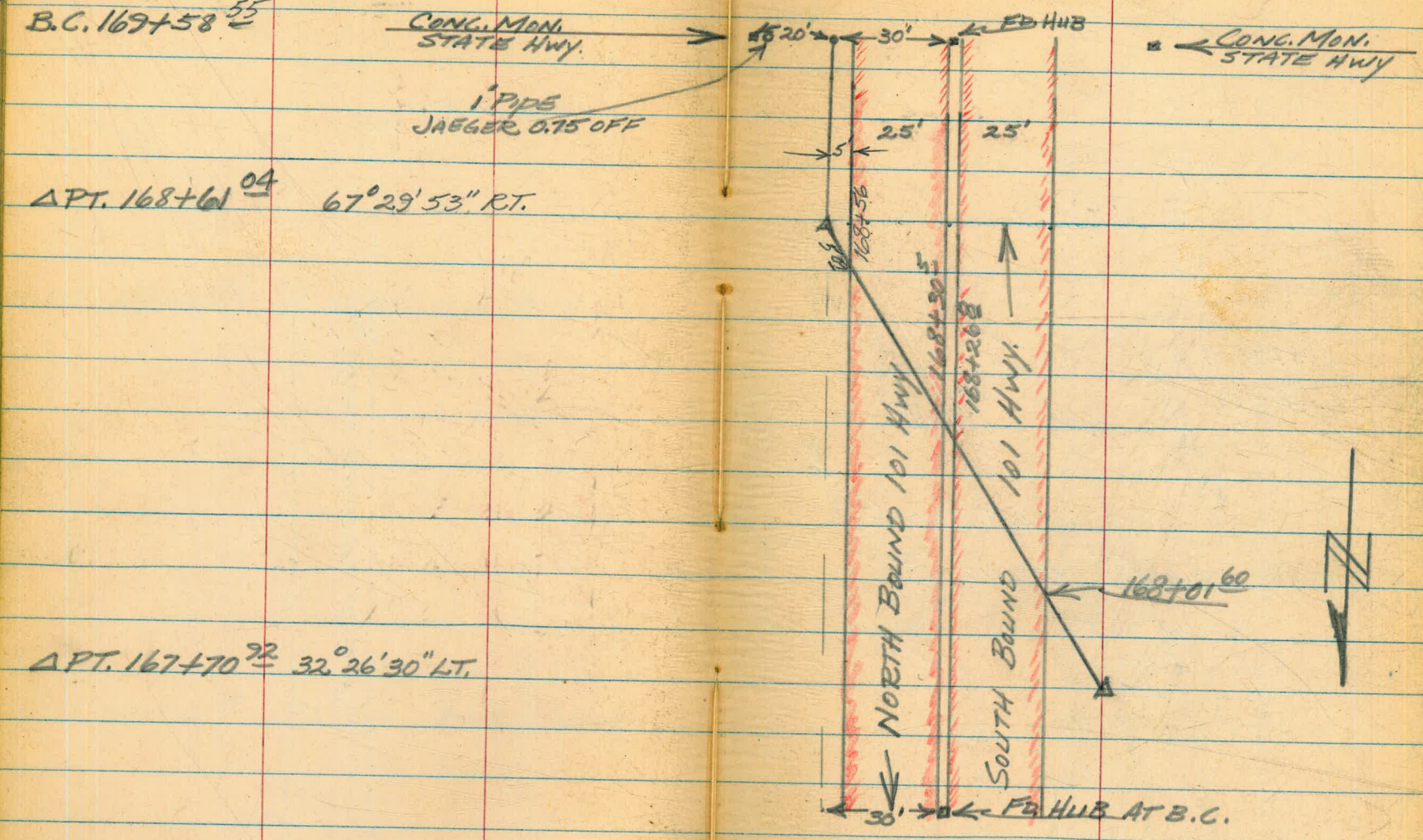
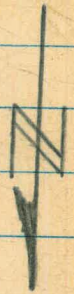
NORTH BOUND 101 HWY.

SOUTH BOUND 101 HWY.

168+01⁶⁰

30' FB HUB AT B.C.

166+20⁸¹ P.O.T

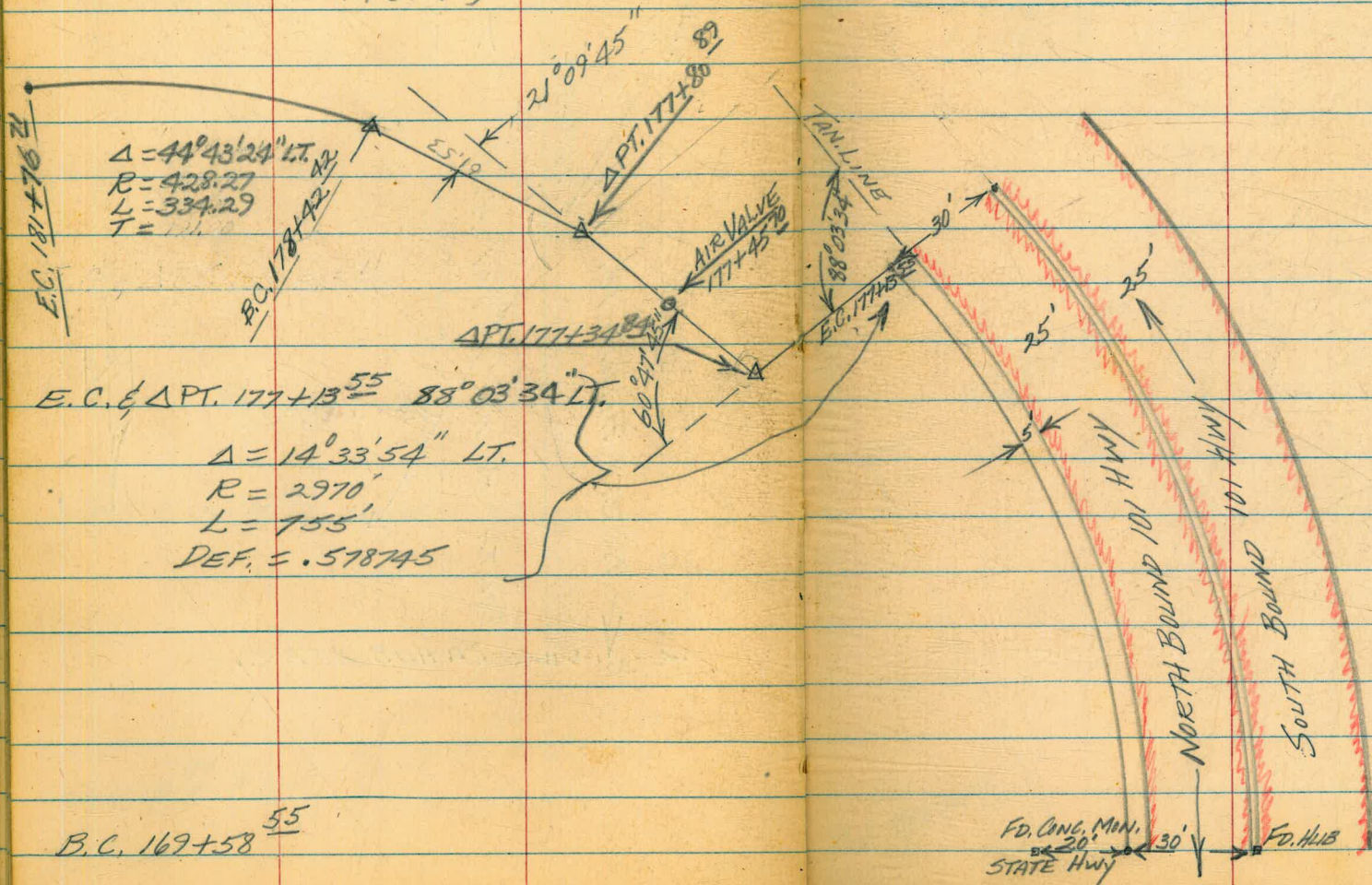


$$T = \frac{R \tan 44^\circ 43' 24''}{2}$$

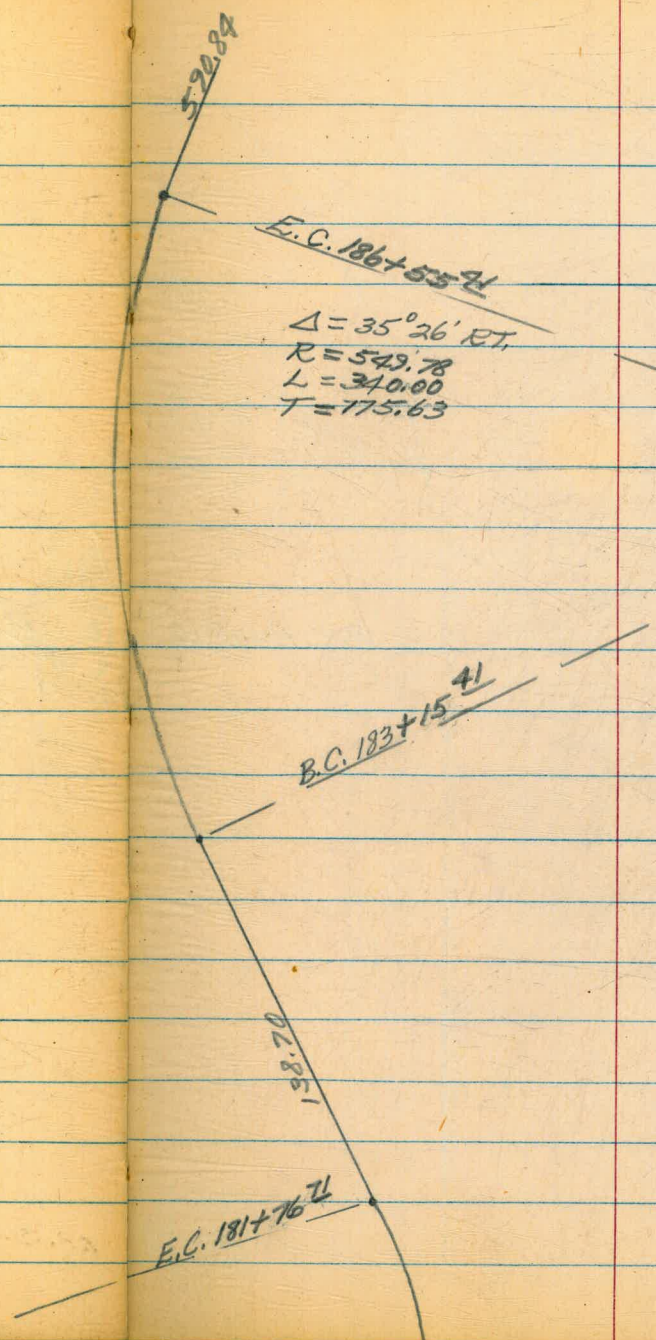
$$T = 428.27 (\tan 22^\circ 21' 42'')$$

$$T = 428.77 (.4113877)$$

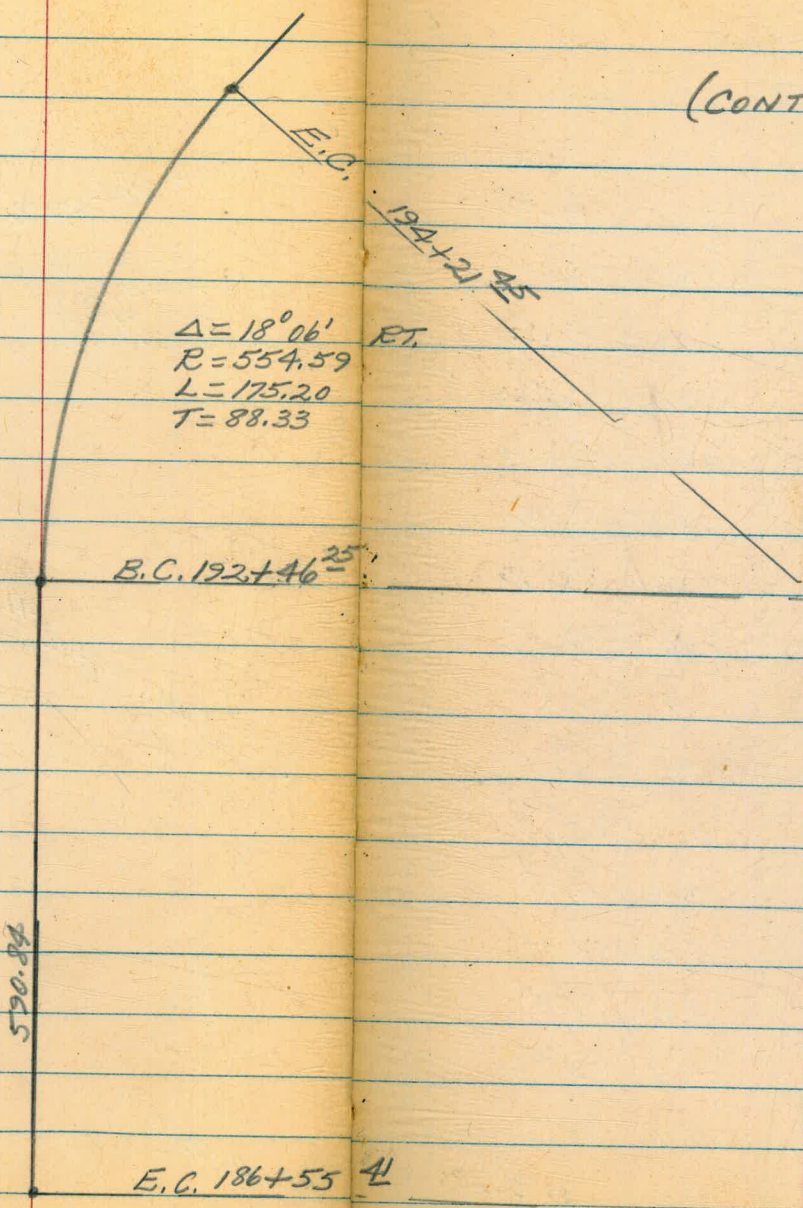
$$= 176.39$$



B.C. 169+58 ⁵⁵



(CONT'D ON PAGE 47)



$\Delta = 18^{\circ} 06'$
 $R = 554.59$ RT
 $L = 175.20$
 $T = 88.33$

B.C. 192+46

520.84

E.C. 186+55

LOCKWOOD MESA -
TORREY PINES P.L.
PROFILE

T.B.M.	3.30	20.51 13.53	17.21 10.23
2.2700		3.4	17.11 ✓
+50		4.5	16.01
2.3700		5.04	15.47
+50		5.34	15.17
2.4700		5.20	15.31
+20.30*		5.47	15.04
+50		6.05	14.46
2.5700		7.17	13.34
+50		7.46	13.05
2.6700		7.8	12.7
T.P.	2.90	14.65 7.67	11.75 4.77
+50		2.9	11.75
2.7700		3.5	11.15
+50		3.8	10.85
2.8700		4.5	10.15
+50		4.8	9.85
2.9700		4.9	9.75
+50		5.4	9.25

WILLIAMS X
KELLHOFFER

29

8-27-56
PARTLY CLOUDY A.M.

X 1' W. OF M.H. G.V. CHAMBER F.B. 936-14

A.C. ROAD

A.C. ROAD

OIL ISLAND

OIL ISLAND

OIL ISLAND

A.C. ROAD

A.C. ROAD

PROFILE CONT.

SAME PARTY

30

14.65
~~7.67H1~~

8/27/56

			5.3	9.35
2	30+00		5.5	9.15
	+50		6.0	8.65
2	31+00		6.1	8.55
	+50			
	T.P.	3.09	13.31 6.33	10.22 3.24
2	32+00		5.1	8.21
	+50		5.2	8.11
	33+00		5.0	8.31
2	+50		5.0	8.31
	34+00		4.9	8.41
	+50		4.7	8.61
7	35+00		4.23	9.08
	+50		4.6	8.71
2	36+00		4.6	8.71
	+50		4.7	8.61
2	T.P.	2.17	13.56 6.58	11.39 4.41
	37+00		4.8	8.76
2	+50		4.8	8.76
	38+00		4.8	8.76

A.C. OIL ENTRANCE TO FAIR GROUNDS

PROFILE CONT.

SAME PARTY

31

8/27/56

13.56
~~6.5841~~

38+50		4.8	8.76
39+00		4.8	8.76
+50		4.8	8.76
40+00		5.1	8.46
+50		5.0	8.56
41+00		5.1	8.46
+50		5.0	8.56
T.P.	2.27	12.90 5.92	10.63 3.65
42+00		4.3	8.60
+50		4.05	8.85
43+00		4.14	8.76
+50		4.4	8.50
44+00		4.6	8.30
+50		5.0	7.90
45+00		5.0	7.90
+50		5.0	7.90
46+00		5.0	7.90
+50		5.0	7.90
47+00		5.0	7.90

OIL ENTRANCE TO FAIR GROUNDS

" " " " "

PROFILE CONT.

SAME PARTY

32

8/27/56

	12.90		10.40	
T.P.	5.92 H1 2.90	13.30 6.32	2.50	3.42
47+50			5.2	8.10
48+00			4.77	8.53 ✓
+50			4.83	8.57
49+00			4.90	8.40
+50			4.88	8.42 ✓
50+00			4.88	8.42 ✓
+50			4.9	8.40
51+00			5.1	8.20
+50			4.9	8.40
52+00			5.1	8.20
+50			5.1	8.20
53+00			4.9	8.40
T.P.	14.21		8.33	
+48x	5.88	7.23	4.97	7.35
54+00			6.0	8.21
+50			5.64	8.57
55+00			5.09	9.12
+50			4.12	10.09
56+00			3.50	10.71

A.C. OIL MAIN ENTRANCE FAIR GROUNDS

A.C. OIL

A.C. OIL

A.C. OIL

A.C. OIL

ON A.C.

50' ± DEL MAR FIRE CONTROL STA.

ON OIL ENTRANCE TO FAIR GROUNDS

ON OIL

ON OIL

PROFILE CONT

SAME PARTY

33.

8/27/56

		14.21 7.23		
56+50			3.1	11.11
T.P.		17.69		11.27
57+00	6.42	10.71	2.94	4.29
+50			5.7	11.99
58+00			5.2	12.49
+15			8.73	8.96
58+27			7.05	10.64
T.P.	3.88	16.42 9.44	5.15	12.54 5.56
60+67			5.38	11.04
+90			5.51	10.91
61+02.46X			6.3	10.12
+50			5.14	11.28
62+60			5.1	11.32
SET T.B.M.		19.81		11.42
+42	8.39	12.83	5.00	4.44
+50			8.3	11.51
B.C.		B.C.		
62+68 ²¹	AH = 62+13.21 BK.		8.2	
63+00			8.0	
+50			7.4	
64+00			6.4	
+50			5.3	

TOP EXISTING MAIN

TOP EXIST. MAIN FIRST TRETTLE

TOP EXIST MAIN LAST TRETTLE

TOP EXIST. MAIN AT B. O. 7 (AV)

A.C. OIL 10' AHEAD NEAREST R.R. RAIL

S. EASTLY COR. CON. BOX. YELLOW □

NOTE: FOUND B.C SPIKE IN ERROR

B.C. B.C.
62+13.21 BK. = 62+68.21 AH.

PROFILE CONT.

SAME PARTY

34

8/27/56

	19.81 12.8571		
65+00		4.3	
+50		3.4	
66+00		2.7	
+50		2.1	
T.P.	21.80		17.87
66+64.76 E.C. 3.93	14.82	1.94	10.89
67+00		3.6	
+50		3.8	
68+00		4.5	
+30.747		4.7	
+50		5.0	
69+00		5.5	
+50		6.2	
70+00		6.6	
+50		6.6	
T.P.	21.04		15.54
71+00	5.50 14.06	6.26	8.56
+28.537		5.5	
+50		5.5	
72+00		5.6	
+50		5.3	
73+00		5.0	

PROFILE CONT.

SAME PARTY

35

8/27/56

21.04
~~14.06 HI~~

73+50		4.48	
74+00		4.12	
+50		4.0	
75+00		3.9	
+50		3.8	
T.P.	27.08		17.55
76+00	9.53 20.18	3.49	10.57
+50		8.97	
77+00		8.18	
+50		7.10	
77+94.42*		5.67	
78+50		3.75	
79+00		1.92	
+50		0.77	
T.P.	5.99 32.21	0.86	26.22
			19.24
80+00		5.44	
+50		5.17	
81+00		5.07	
+50		4.84	
Ck. B.M.		11.30	20.91 +3.98 = 21.09
			Low 0.18

ON A.C. ROAD EDGE

ON A.C.

A.C.

A.C.

A.C.

A.C.

A.C.

A.C.

A.C.

A.C.

A.C.

A.C.

SEE PAGE 14

PROFILE CONT.

SAME PARTY

36

8/27/56

U.S.C. + G.S. No. SIDE OVERHEAD BRIDGE PAGE 14

ON A.C.

A.C.

B.M. 11.78 32.87 21.09

82+00 5.08

+57.77A 4.92

83+00 4.8

+50 3.4

T.P. 7.93 39.83 0.97 31.90

84+00 10.9

+50 9.0

85+00 6.8

85+28.88 X 5.4

85+62.28 BK. X

85+46.70 A.H. 6.0

86+00 10.4

T.P. 4.56 33.37 11.02 28.81

+50 7.2

87+00 5.2

+50 4.6

88+00 4.2

+50 2.8

89+00 3.5

SET
T.B.M. 25434.29 1.62 31.75

TOP A.V. 89+04 (HEXAGON NUT. N. SIDE)
BLUE KEEL

PROFILE CONT.

WILLIAMS
KELLHOFFER
PAULSON

37.

8-28-56

89+50	34.29	3.5	
90+00		4.2	
+50		4.8	
91+00		5.3	
+50		6.2	
92+00		5.7	
+50		6.2	
93+00		7.0	
T.P.	1.45 27.97	7.77	26.52
+50		3.0	
94+00		6.2	
+37 ⁹		10.20	
+50		7.9	
+80			
95+00		5.8	
+50		2.9	
T.P. ²³			
+67	9.91 37.16	0.72	27.25
96+00		9.4	
+50		6.8	
97+00		3.9	

Top 80. G.V. ON E

4' LT. TO CATHODIC PROT. CABLES

PROFILE CONT.

SAME
PARTY

38

8-28-56

	37.16			
97+50		2.2		
T.P.	7.20	42.82	1.54	35.62
98+00		6.6		
+50		5.92		
99+00		5.38		
+3974 BC		5.13		
+50		5.12		
100+00		4.76		
SET T.B.M.				
+26	6.40	44.85	4.37	38.45
+50		6.31		
+6973 EC		6.28		
+9088 BC.		6.08		
101+00		5.96		
+50		5.3		
102+00		4.4		
+50		4.1		
+7593 P.C.C.		3.70		
103+00		3.00		
T.P.				
+50	12.26	56.64	0.47	44.38
104+02.05 BK.				
104+04 AH. EC.		8.96		

ON SANTA FE AC. PARKING AREA

A.C.

30' RT. TO S.F. DEPOT

A.C.

A.C.

N.W. LY COR. CONC. PIPE CHAM. 7' LT.

AC.

AC.

AC

AC

ON DIRT SHOULDER

EDGE OIL

AC

EDGE AC.

PROFILE CONT.

SAME
PARTY

39.

8-28-56

	56.64		
104+50		5.29	
105+00		1.64	
T.P.	13.15	69.01	0.78 55.86
+50		10.52	
106+00		6.62	
+50		2.30	
107+00		0.13	
T.P.	10.42	79.36	0.07 68.94
+50		7.97	
108+00		5.17	
+50		3.88	
109+00		3.18	
+50		2.4	
110+00		2.02	
+50		1.6	
T.P.	5.00	82.60	1.76 72.60
111+00		4.79	
+50		4.1	
112+00		2.50	
+50		0.69	

AC

AC

AC.

A.C

A.C

A.C

A.C

AC

AC.

AC.

PROFILE CONT.

SAME PARTY

40.

8-28-56

		82.60		
T.P.	12.12	94.32	0.40	82.20
113+00			10.17	
+50			7.80	
114+00			6.01	
+50			4.35	
+70 ⁸⁰ &			3.61	
SET.				
T.B.M.	9.33	100.99	2.66	91.66
115+00			8.52	
+30 ¹				
+41 ⁶⁷ &			5.5	
+50			5.3	
116+00			5.1	
+50			4.6	
117+00			4.4	
+27 ³⁹ P.O.T.			4.51	
T.P.	2.22	101.75	1.46	99.53
+50			5.6	
118+00			6.1	
T.P.	5.99	102.24	5.50	96.25

AC.

AC

AC

AC

AC 13th & OCEAN AVE.

L & T 14.93' LT of 114+70⁸⁰

AC.

CURB XING

BEG. FLOWER GARDEN

PROFILE CONT.

SAME
PARTY

41.

8-28-56

102.24

118+50

6.8

+90

END FLOWER GARDEN

T.P. 5.44 98.46 9.22 93.02

119+32[#] X

5.46

AC.

119+6636 BK.

119+6410 AH. X

4.06

AC

120+00

3.88

AC.

+50

3.61

121+00

3.49

+50

3.20

122+00

3.12

+50

2.89

123+00

3.06

T.P. 6.64 102.07 3.03 95.43

+50

6.38

124+00

5.30

+50

4.77

125+00

4.04

+50

3.01

126+00

1.48

PROFILE CONT

SAME
PARTY

42.

8-28-56

102.07

T.P. 9.74 111.39 0.42 101.65

126+50 8.80

127+00 6.94

+50 6.01

128+00 4.76

+50 3.32

129+00 1.78

T.P.
+50 8.88 120.02 0.25 111.14

130+00 7.36

+67²⁰ x 6.10

131+00 6.04

+50 4.8

+54⁵¹ x 4.0

SET T.B.M.

131+54 0.47 119.68 0.81 119.21

132+00 6.6

+47.63 AH.

+43.04 BK. x 9.9

133+00 11.2

+50 11.3

CHK

T.B.M. 8.57 116.13 12.12 107.56

BLUE KEEL TOP AYA (PLUG)

45'± RT. 133+59 P.P.# 61440

SAME
PARTY

43.

8-28-56

116.13

134+00

7.1

+50

6.1

135+00

4.8

+50

3.6

136+00

2.3

+50

1.0

T.P.

4.07

119.78

0.42

115.71

137+00

3.8

+50

3.4

138+00

3.5

+50

4.3

139+00

5.4

+50

5.7

140+00

5.4

+50

4.7

141+00

3.4

T.P.

7.07

124.31

2.54

117.24

+50

7.0

142+00

6.5

+50

6.2

PROFILE CONT.

SAME
PARTY

44.

8-28-56

		124.31		
143+00			5.8	
+50			5.3	
144+00			4.8	
+50			4.6	
145+00			4.4	
+50			3.8	
146+00			3.1	
T.P.	9.46	130.461	3.16	121.15
+50			8.5	
SET T.B.M.			8.86	121.75

PROFILE CONTINUED PAGE 49 THIS BOOK

T.B.M.	9.78	131.53		121.75
T.P.	11.78	142.90	0.41	131.12
T.P.	10.00	152.12	0.78	142.12
T.P.	9.64	161.49	0.27	151.85
T.P.	10.33	171.58	0.24	161.25
T.P.	2.04	166.60	7.02	164.56
T.P.	0.48	154.86	12.22	154.38
SET T.B.M.	1.34	152.81	3.39	151.47

45' RT. 147+00+ SPIKE IN P.P. # 61733

WILLIAMS X
KELLHOEFER

CLOUDY A.M.
8-29-56

BLUE COR CONCRETE STORM DRAIN WALL
STATE HWY. 101 STA. A 31+10

LOCKWOOD MESA - TORREY PINES

PROFILE

P.L.

WILLIAMS X
KELLHOFFER †

45.

8-29-56

		152.81 ^H		
T.P.	0.23	140.21	12.83	139.98
SET				
T.B.M.		2.22		137.99

BLUE ■ COR. CONCRETE TOP HIGH BANK E. SIDE HWY.
101 WHERE P.L. CROSSES 101

7B

LOCKWOOD MESA - TORREY PINE P.L.
 Top of PIPE
 STA. 174+934 & 177+735

MAR. 18 1957
 BEATTY
 SMITH.
 Nov. 13 1957
 BEATTY
 HALBERT

46

TBM 0.13 151.60 151.47 USC&GS DATUM

SW Cor Curb Storm Dr. Inlet (pg. 44)

11 0.00 138.26 13.34 138.26

(Top of bar) 11.20
 (Length of bar) 4.87

174+934⁰ Top of Pipe 16.07 122.19

174+934 on A.C. Pavt. 13.28 124.98

174+934 5ft on Conc Pavt. 13.06 125.20

CK TBM 5.16 143.14 0.28 137.98 = 137.99

(Slope 3/4:1 ±)

(167.5)	135.3	128.3	126.0	124.9	124.98	125.20
+28.2	3.0	100	12.3	13.4	13.28	13.06
30±	7	4	35	2	(AC)	500

(pg. 45) Top conc slope paving

177+7350 Top bar 1.95

(Length of bar) 4.87

177+7350 Top of pipe 6.82 136.32

177+735 Groundline 2.9 140.2
 (185° Ely of Top of Slope)

CK TBM 5.16 137.98

11 0.36 124.87 124.51 (pg. 53)

177+1355 on Pavt. 10.71 114.16 = +2.9

177+10 Top pipe 12.88 111.89

177+100 70.83 114.84 = 114.8

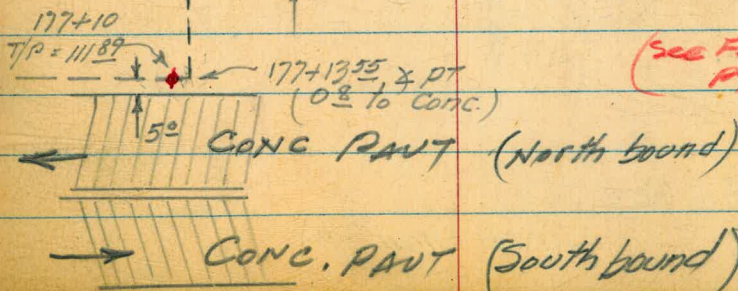
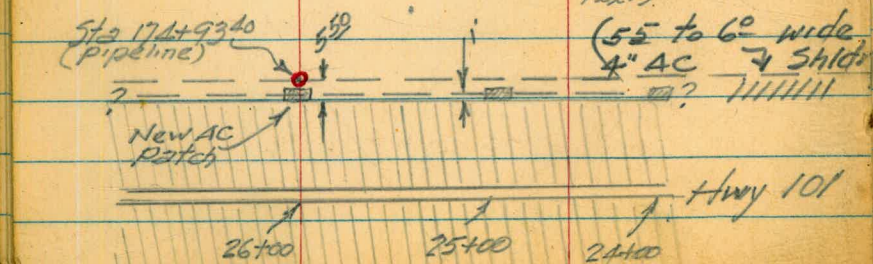
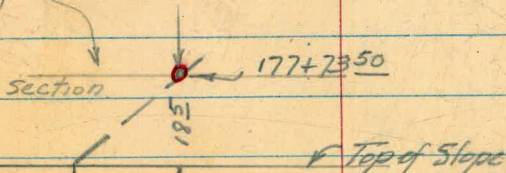
176+50 7.56 117.31 = 117.3

176+100 5.11 119.76 = 119.8

175+50 2.58 122.29 = 122.3

167.2	149.8	146.2	146.2	146.2
+24.3	+67	29	29	+31
	37	"	2	13

(WRONGS!)



LOCKWOOD MESA
TORREY PINES P.L.

SHOREY 6-15-57
KEMP

47

0.5188

E.C. 202+97²⁹

$\Delta = 28^{\circ}44'$
 $R = 997.02$
 $L = 500'$
 $T = 255.37$

198+00
+03.8
198+03.9 AH
= 197+97.3 BK

B.C. 197+97²⁹

197+97.29
194+21.45
375.84

375.84

E.C. 194+21⁴⁵

(SEE PAGE 28)

Q PROFILE

Continued from pg. 44

May 15 1957
BEATH
SMITH

49

TBM 12.87 134.62 121.75

146+86⁸⁰ 3 PT 11.05

on oil surf

147+00 10.52

" " "

+50 8.1

148+00 4.5

+46³ 1.9

④ 8.83 140.75 2.70 131.92

149+00 6.6

+50 5.6

150+00 4.4

+50 3.4

151+00 2.2

+50 1.1

151+53⁷³ 0.77

151+60⁰³ 0.68

} CONC VAL. CHAMBER

SET TBM 8.69 148.67 0.77 139.98

NW COR CONC VAL. CHAMBER

152+00 7.9

+50 6.5

153+00 5.8

+50 5.5

5/15/37

50

148.67

154+00

5.0

+50

3.9

155+00

2.6

TP

10.28

156.49

2.46

146.21

+50

9.5

156+00

8.9

+50

8.0

156+6.27 POT

7.70

Top pipe 2' lower

157+00

6.8

+50

5.6

158+00

2.3

+50

2.7

159+00

1.9

+50

1.5

160+00

0.7

TP

12.51

168.82

0.18

156.31

+50

12.2

161+00

11.0

+50

9.6

162+00

8.1

5/15/57

51

	168.82			
162+50		6.5		
163+00		4.5		
163+50		2.5		
+60		2.0		
+71		1.3		
+75		1.8		
P	5.77	174.05	0.50	168.28
CK TBM		5.21	169.85	
+87		5.7		
164+00		6.8		
+45 ⁴⁹ POT		6.3		
165+00		6.1		
+50		6.5		
166+00		7.0		
+20 ⁸¹ POT		7.1		
+35		9.4		
+40		10.3		
P	2.69	164.68	12.00	161.99
+50		2.8		

Nail in Tele stub pole 75 LT 163+75

9.4 7.7
E 1

5/15/57

52

	164.68				
166+55		3.8			
167+00		6.7			
+50		8.5			
" +63		9.0			
167+70 ⁹² X PT		8.0			
+91		6.0			Top AC berm
+92		6.5			
168+00		6.40			
168+01 ⁶⁰		6.34			w/ly edge Conc. pavt.
TBM 889	160.38 ^v	13.18	151.50 = 151.47		SWly Cor Curb Inlet A31+10 w. side Hwy
168+26 ⁸ .		2.22			BOTT CURB CENTER STRIP
+26 ⁸		1.62			TOP " " "
+30 ⁵		1.72			" " " "
+30 ⁵		2.39			BOTT " " "
+56		3.19			EDGE CON PAVE
168+61 ⁰⁹ Δ PT		3.4			
169+00		5.3			
+50		8.0			
169+58 ⁵⁵ B.C.		8.4			

5-16-57

SHOREY
KEMP
D'BRIEN
SMITHFAIR-WINDY
53160.38^v

136.70

170+00			1.09		0.67
T.P. +50	0.96	148.56 ^v	12.78	147.60 ^v	
171+00			3.6		
+50			6.0		
172+00			8.7		
+50			11.0		
T.P.	0.31	136.56 ^v	12.31	136.25 ^v	
173+00			1.6		
+50			4.1		
174+00			6.6		
+50			9.2		
175+00			11.6		
T.P.	0.90	<u>125.17^v</u>	12.29	124.27 ^v	
175+50			2.9	122.3	
176+00			5.4	119.8	
+50			7.9	117.3	
177+00			10.3	114.8	
* +1355 E.C.			11.0	112.2	
			12.3	112.9	
T.P.	+12.19	136.70 ^v	0.66	124.57 ^v	

Rev. 11/13/57 AB
Sec pg 46.

	+	HI	-	ELEV.	Ground Below Depth	Ground Shot	Elev Top of Pipe
T.P.	+ 6.80	136.70	- 0.67	136.03			
177+34 ⁸⁴ D.P.T.			3.6	133.10			
T.B.M.	+ 2.09		- 2.07	134.63			
177+50			3.8	132.90			
+82 ⁸⁹ D.P.T.			2.2	134.50			
178+00			2.9	133.80			
+42 ⁹² B.C.			5.0	131.1			
+50			5.3	131.4			
179+00			6.1	130.6			
+50			6.6	130.1			
+91			5.0	131.7			
180+00			5.3	131.4			
T.P.	+ 0.86	130.62	- 6.84	129.76			
180+50			2.2	128.42			
+69			3.0	127.62			
+80			1.7	128.92			
+95			3.6	127.02			
181+00			4.8	125.82			
+50			4.9	125.72			
T.P.	+ 2.52	128.63	- 4.51	126.11			

$+3.3 + 2.07 = 5.4 \text{ Rod} = 133.3$
 TOP AIR VALVE 455M. 177+46
 $+2.0 + 5.0 = 7.0 \text{ Rod} = 129.7$
 $+2.1 + 6.1 = 8.2 \text{ Rod} = 128.5$
 $+4.2 + 5.3 = 9.5 \text{ Rod} = 127.2$
 $+1.8 + 3.6 = 5.4 \text{ Rod} = 125.2$

1 1/2" PIPE

SHOBEY
KEMP
O'BRIEN
SMITH

5-20-57

55

	128.63			Below Ground		Elev Top of Pipe
				Ground	Shot	
181+76 ²¹ E.C.		3.5	125.13	+1.8	+3.5	5.3 Rod 123.3
182+00		3.1	125.53			
+17		4.8	123.83			
+50		6.2	122.43			
183+00		7.7	120.33			
+15 ⁴¹ B.C.		7.9	120.73	+1.7	+7.9	9.6 Rod 119.0
+50		8.4	120.23			
184+00		8.7	119.93	+1.6	+8.7	10.3 118.3
T.P.	2.29	122.33'	8.59	120.04'		
184+50		3.2	119.13			
185+00		4.4	117.93	+1.0	+4.4	5.4 Rod 117.9
+50		5.9	116.43			
186+00		6.6	115.73	+1.4	+6.6	8.0 Rod 114.3
+55 ⁴¹ E.C.		5.9	116.43			
187+00		5.4	116.93	+3.6	+5.4	9.0 Rod 113.3
T.P.	1.50	119.24'	4.59	117.74'		
187+50		2.3	116.94			
188+00		3.0	116.24	+3.6	+3.0	6.6 Rod 110.6
+50		5.0	114.24			

				Below Ground	Ground Shot	Calc. Rod	Elev. Top of Pipe	
	119.24							
189+00		6.3	112.94	+1.6	+6.3	7.9 Rod	111.3	
+50		7.9	111.34					
190+00		9.0	110.24	+1.4	+9.0	10.4 Rod	108.8	
+50		10.0	109.24					
T.P.	1.04	111.08'	9.20	110.04'				
191+00		2.8	108.28	+1.4	+2.8	4.2 Rod	106.9	
+50		3.8	107.28					
192+00		4.4	106.68	+1.1	+4.4	5.5 Rod	105.6	
+46 ²⁵ B.C.		5.5	105.58	+1.5	+5.5	7.0 Rod	104.1	
+50		5.6	105.48					
193+00		6.8	104.28	+0.7	+6.8	7.5 Rod	103.6	
+50		7.3	103.78					
194+00		7.3	103.78					
T.P.	1.91	105.11'	7.88	103.20'				
194+21 ⁴⁵ EL		2.0	103.11	(pipe 1 ⁶ RT)	+1.3	+2.0	3.3 Rod	101.8
+50		2.6	102.51					
195+00		3.6	101.51	+0.9	+3.6	4.5 Rod	100.6	
+50		4.7	100.41					
196+00		5.4	99.71	pipe in l.	+1.2	+5.4	6.6	98.5

WILLIAMS

KELLHOFFER

6/14/57

		196-61		WILLIAMS KELLHOFER B	BELOW GROUND	GROUND SHOT	CAL. ROD	EL. TOP PIPE
	105.11							
196+50		6.5	98.61					
197+00		7.2	97.91	pipe on Φ	+0.8	7.2	8.0 Rd	97.1
+50		7.9	97.21					
+97 ²⁹ B.C.		8.9	96.21	pipe on Φ	+1.0	8.9	9.9 Rd	95.2
198+50		9.8	95.31					
T.P.	135 96.75 ⁴	9.71	95.40 1					
199+00		2.4	94.35	pipe 3' Rt	+1.1	2.4	3.5 Rd	93.3
+50		3.4	93.35					
200+00		3.7	93.05	pipe 8' Rt	+1.4	3.7	5.1 Rd	91.7
+50		4.5	92.25					
201+00		5.5	91.25	pipe 8' Rt	+1.4	5.5	6.5 Rd	90.3
+50		6.3	90.45					
202+00		7.2	89.55	pipe	+1.6 2.1	7.2	8.8	88.0
+50		8.2	88.55					
T.P.	2.14 90.19 ⁴	8.70	88.05					
202+97 ²⁹ E.L.		2.8	87.39	pipe 1' Rt	1.1	+2.8	3.9	86.3
203+50		3.9	86.29					
+85 ⁷⁹ B.C.		4.7	85.49					
204+00		4.5	85.69	pipe on Φ	+1.6	4.5	6.1	84.1

		90.19			BELOW GROUND	GROUND SHOT	CAL. ROD	EL. TOP PIPE
204+50			6.3					83.89
205+00			7.5		1.0	7.5	8.5	82.69
+50			8.3					81.89
206+00			9.5		0.9	9.5	10.4	80.19
+50			9.9					80.29
T.P.	1.24	81.24	10.19	80.00				
207+00			2.0		1.3	2.0	3.3	79.24
+50			3.0					78.24
208+00			4.3					76.94
+2025 E.C.			4.8		0.8	5.6	6.4	76.44
+50			5.4					75.84
209+00			6.2		1.2	6.2	7.4	75.04
+50			7.4					73.84
210+00			8.7		0.9	8.7	9.6	72.54
T.P.	1.01	73.37	8.88	72.36				
210+50			2.2					71.17
211+00			3.2		1.4	3.2	4.6	70.17
+50			4.6					68.77
212+00			5.3		1.4	5.3	6.7	68.07

6/18/57

West
Williams
Kathryn
Bull

	73.37		Reduced by M.H. 6/10/57		BELOW GROUND	GROUND SHOT	CAL. ROD	EL. TOP PIPE
212+50		5.6	67.77					
213+00		6.8	66.57	1 pipe on 2	1.8	6.8	8.6	64.8
+50		8.4	64.97					
214+00		10.1	63.27	1 pipe on 2	1.0	10.1	11.1	62.3
T.P.	3.11	66.38	10.10 63.27					
214+50		4.3	62.08					
215+00		5.1	61.28	1 pipe on 2	1.4	5.1	6.5	59.9
+50		5.6	60.8					
216+00		7.5	58.9		1.5	7.5	9.0	57.4
+50		8.6	57.8					
T.P.	5.26	61.37	10.27 56.11					
217+00		4.0	57.9	217+07	1.4	5.0	6.4	T/P 55.0
+07		5.0	56.4	W EDGE LAUREL				T/P 54.1
+33		4.3	57.1	(217+31 6" AC T/P = 53.0)				T/P 54.1
+50		4.0	57.4	E " " 30	4.3	7.3		T/P 54.1
T.B.M.	4.08	61.37	4.08 57.29	CHISELED SQUARE S.W. COR CON. WATER VAULT				
218+00		6.8	59.7	2.4 (See pg. 74) 68		9.2		52.2
+50		8.6	52.8					
219+00		10.0	51.4	1 pipe 1" Rt 2	2.7	10.0	12.7	48.7
+12		12.0	49.4	W EDGE WOODUT ST.				

				BELOW GROUND	GROUND SHOT	CAL ROD	Elev Top of Pipe
	61.37 ✓						
219+32		12.6	48.8				
+50		12.2	49.2				
T.P.	344 53.10 ✓	11.71	49.66 ✓				
219+88		3.5	49.6				
220+00		5.3	47.8	0.5	5.3	5.8	47.3
+50		5.4	47.7				
221+00		5.1	48.0	2.0	5.1	7.1	46.0
+32		4.4	48.7				
+36		5.8	47.3				
+50		5.5	47.6				
+83		5.8	47.3				
222+00		6.5	46.6	2.4	6.5	8.9	44.2
+50		6.8	46.3				
223+00		8.2	44.9	2.7	8.2	10.9	42.2
+50		9.8	43.3				
T.P.	45.82 W.H. 250 45.72	9.78	43.22	93.32 W.H.			
224+00		3.8	42.0	1.5	3.8	5.3	40.4
+50		3.3	42.5				
+67		4.9	40.9				

E. EDGE WALNUT ST.

PIPE ON

PIPE ON

W. EDGE OAK ST.

E. EDGE OAK ST.

PIPE ON

W. EDGE CEDAR ST.

					BELOW Ground GROUND SHOT ROD	C.N. ROD	Elev Top of Pipe
224+89		5.4	40.4		E. EDGE CEDAR ST.		
225+00		4.9	40.9				
+16 ⁶² B.C.		5.7	40.1	✓ OK OK	PIPE ON E	2.0 5.7 7.7	38.0
+50		6.8	39.0				
226+00		8.1	37.7			3.8 8.1 11.9	33.8
+50		9.1	36.7				
+55		8.9	36.9				
+63		6.9	38.9				
227+00		6.3	39.5				
T.B.M.	4.11 3.81	44.26 43.96 44.06 w.H.	5.47 5.57 40.25	40.25 40.25 w.H.	W SIDE BOTTOM STEP HOUSE		227+05
227+50		5.3	38.8				
+55		5.8	38.3				
+60		8.5	35.6				
+74		9.6	34.5				
+96 ²⁴ E.C.		10.8	33.3				
228+00		11.1	33.0		PIPE ON E	1.9 11.1 13.0	31.0
+50		13.3	30.8				
T.P.	1.95	33.63 w.H. 33.53	12.38	31.68 w.H. 31.58			
T.B.M.	9.24	35.93 w.H. 35.83	6.94	26.59 26.69 w.H.			
228+98		6.8	29.1		W. EDGE PINELETTIA ST.		
229+00		7.1	28.8		PIPE ON E	1.5 7.1 8.6	27.2

see pg. 74
for level
check

35.93 w.H.
35.83

Below Ground Shot Cal Shot Elev Top of Pipe

				Below Ground Shot	Cal Shot	Elev Top of Pipe		
229+50		7.5	28.4					
230+00		7.5	28.4	pipe on Φ	1.4	7.5	8.9	26.9
+50		7.7	28.2	ELY EDGE	POINTSETTIA ST.			
231+00		8.0	27.9		1.7	8.5	10.2	25.6
+50		8.5	27.4					25.6
232+00		9.6	26.3	pipe on Φ	2.6	9.6	12.2	23.6
+50		10.2	25.7					
232+69.69 BK =	30.76 w.H.			pipe on Φ	3.0	10.3	13.3	22.5
233+00 AH. 5.11	30.66	10.28	25.55	X PT. 2X2 HUB				
								25.65 w.H.
233+50		5.1	25.7					
234+00		6.8	24.0	pipe on Φ	3.3	6.8	10.1	20.6
+50		8.6	22.2					
235+00		10.6	20.2	pipe on Φ	2.3	10.6	12.9	17.8
+50		11.6	19.2					
236+00		13.1	17.7	pipe on Φ	2.1	13.1	15.2	15.5
T.P.	123 19.09 w.H.	12.90	17.76					17.86 w.H.
236+50		3.2	15.9	2X2 HUB				
+81.27 B.C. XPT		3.77	15.32					
237+00		4.1	15.0		2.1	4.1	6.2	12.8
+50		5.0	14.1					

19.1
 19.09 W. 24
 18.99

					Below Ground	Ground shel	Col Rod	Elev Top of pipe
238+00		5.7	13.4	pipe on Φ	2.3	5.7	8.0	11.0
+50		6.9						
239+00		7.7		pipe on Φ	2.5	7.7	10.2	8.8
+50		8.9						
240+00		10.0		pipe on Φ	1.9	10.0	11.9	7.1
+50		10.6	8.5					
T.B.M.	2.30	^{9.74} 09.64	^{7.44} 11.65 07.34	T.B.M. SE COR VALVE CHAMBER				240+98
241+00		2.0			-3.50	in Air Valve Chamber		3.84
+18		2.0						
+35		3.8		WLY EDGE	1.2	3.8	5.0	4.6
+50		2.4	7.3					
+71		1.3	8.4	SELY EDGE		RD.		4.38 1.83 2.53 6.1 3.7
+87	¹⁰⁰⁺⁵ ³⁰ ^{07.350}	1.2						
242+00		2.4						
+27		4.5						
+50		5.1						
243+00		5.5						
+50		6.2						
244+00		6.7						

09.84

09.64

244+50

7.1

+58⁰⁵ E.C. 3.88 06.36

7.16 02.48

245+00

4.7 1.7

+50

5.5 0.9

246+00

5.3 1.1

+41 B.O.

6.37 -0.01

+50

6.8 -0.4

+79

8.2 -1.8

247+00

7.5 -1.1

+50

7.2 -0.8

+65

5.4 1.0

248+00

4.8 1.6

+50

4.6 1.8

+65

4.19 2.15

249+00

4.7 1.7

+50

4.7 1.7

250+00

5.1 1.3

+50

5.3 1.1

251+00

4.3 2.1

T. P.

4.21 05.86

4.71 01.65

64

T.B.M. 2"x2" HUB E.C.

TOP BLOW OFF PIPE OF RT

WATER M.H. W/LY RIM

606

05.86

251 + 50		4.6	
252 + 00		4.8	
+50		4.8	
+80		5.8	
253 + 00		6.1	
+33		6.1	
+50		7.6	
+75		7.6	
254 + 00		6.2	
+50		4.8	
255 + 00		4.3	1.6
+50		4.1	
256 + 00		4.4	
+50		4.7	
257 + 00		4.7	
T.P.	4.87 06.13	4.60	01.26
257 + 50		5.2	
258 + 00		5.0	
+50		5.2	

✓ 633
06.13

259+00 4.9

+50 5.0

260+00 4.9 1.2

+50 4.7

261+00 5.0

+50 4.7

262+00 4.8

+50 4.9

263+00 5.0

T.P. 4.19 0544 4.86 01.27

263+50 4.1

264+00 4.5

+50 4.2

265+00 4.4 1.1

+50 4.3

266+00 4.2

+50 4.4

267+00 4.2

+50 4.3

5.64
05.46

268+00 4.2

+50 4.3

269+00 4.3

T.P. 4.60 05.88 4.18 01.28

269+50 4.5

270+00 4.4 1.5

+50 4.5

+84 5.0

+91 6.6

271+00 6.0

+21 6.7

+34 5.4

+50 5.3

272+00 4.6

+50 4.6

273+00 4.4

+50 4.1

274+00 X P.T. 4.00 06.06 4.22 01.66

+50 4.5

T.B.M. 2'x2' HUB 274+00 X P.T.

6.26

06.06

274+93		4.7	
275+00		6.3	- 0.2
+05		5.3	
+50		5.2	
276+00		4.2	
+50		4.5	
277+00		4.5	
+50		4.3	
278+00		3.8	
T.P.	4.06 06.48	3.64	02.42
278+50		4.1	
279+00		4.5	
+50		4.4	
280+00		4.2	2.3
+50		4.3	
281+00		4.7	
+50		4.2	
282+00		3.9	
+50		3.6	
T.P.	4.54 07.20	3.82	02.66

7.40

0720

283+00		4.7	
+50		4.5	
284+00		4.5	
+50		4.3	
285+00		4.4	2.8
+50		4.1	
286+00		3.8	
+50		3.6	
287+00		3.2	
T.P.	5.19 09.31	3.08	04.12
287+50		5.1	
288+00		5.2	
+50		5.0	
289+00		5.3	
+50		4.6	
+55 <u>88</u> B.C.		4.70	
290+00		4.4	4.9
+50		4.4	
291+00		4.0	

95'

09.31

- 291+50		4.4	
T.P.	8.18 13.08	4.4	09.90

- 292+00		9.0	4.1
----------	--	-----	-----

+27 ⁰⁸ EC. & PT.		7.25	
-----------------------------	--	------	--

+50		8.6	
-----	--	-----	--

BEGIN RAILROAD FILL

+61		4.1	
-----	--	-----	--

+64		3.8	
-----	--	-----	--

+70		2.0	
-----	--	-----	--

+78		2.4	
-----	--	-----	--

+83		3.9	
-----	--	-----	--

+87		4.1	
-----	--	-----	--

- 293+00		8.6	
----------	--	-----	--

END RAILROAD FILL

+29		7.9	
-----	--	-----	--

+36		2.6	
-----	--	-----	--

+46		9.1	
-----	--	-----	--

+50		9.8	
-----	--	-----	--

- 294+00		8.4	
----------	--	-----	--

T.P.	3.75 8.53	8.30	04.78
------	-----------	------	-------

- 294+50		4.1	
----------	--	-----	--

8.73

08.53

294+73 6.0

295+00 4.4

+39 4.6

+50 5.8

ON TOP OF EXPOSED PIPE

296+00 5.1

+50 4.1

297+00 4.0

+50 5.0

298+00 4.5

T.P. 9.21 08.71 4.03 09.50

298+50 4.0

299+00 3.9

+50 4.4

300+00 4.3

+50 4.1

301+00 3.1

+04 3.4

+09 5.2

+20 5.1

71

08.71

301+26		2.5
+50		2.8
+75		2.8
+80		4.1
302+00		3.5
T.P. +06		4.4
+50		1.0
T.P.	12.74 / 19.91	1.54 07.17
303+00		8.7
+50		4.1
T.P.	12.24 31.85	0.30 19.61
304+00		11.7
+50		7.2
305+00		3.4
T.P.	9.99 41.41	0.43 31.42
305+50		8.4
+53 ⁶⁰ / ₂ FT.		8.5
+98		5.2
306+02		8.01

TOP OF PIPE IN SEWERING METER CHAMBER
AT TORREY PINES PUMP HOUSE

41.61

73

41.41

T. P.

2.79 46.79

4.41 37.00

CK BM

4.55 42.24 = 42.16

anal

CHISL + IN CONG. RETAINING WALL
S.W. COR. SORRENTO VALLEY PUMP &
FILTRATION PLANT (BM-PAINTED

EL. 42.16 CITY DATUM
EL. 48.28 11565

LOCKWOOD MESA
TORREY PINES P.L.
CK LEVELS & TIES

6/19/57

Beatty
Bull.

74.

TOM 3.40 60.69 57.29

CH. 15 II SW Cor. MET Chamber 217+51

① 3.05 52.12 11.62 49.07

5.4 46.7 = 46.9 & 223+00

② 0.60 45.24 7.48 44.64

5.1 40.1 = 40.1 & 225+16⁶²

CK TOM 4.98 40.26 = 40.15

W. SIDE Bottom step 227+05

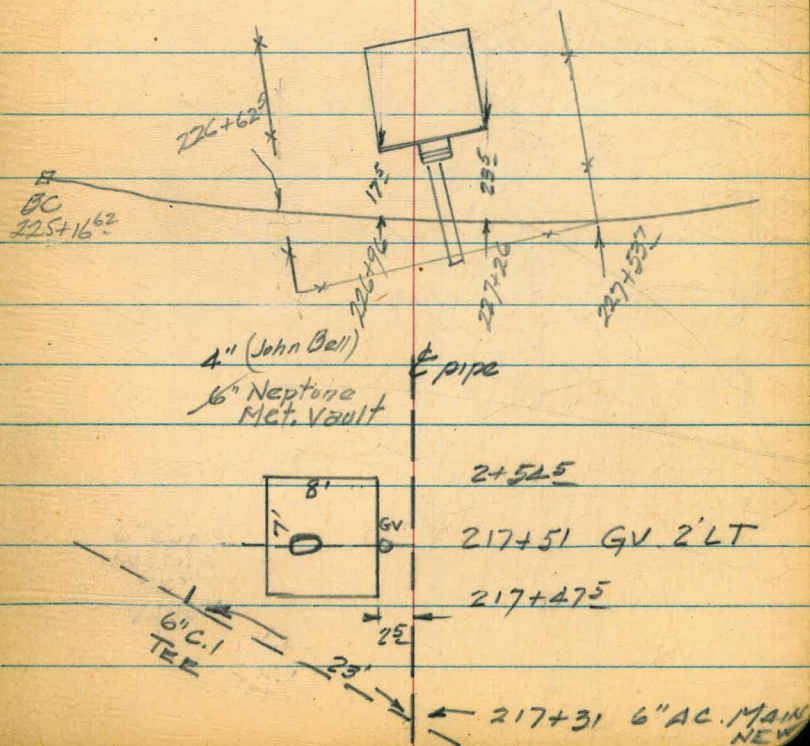
227+53² Fence Cor.

House 30' x 30' deep

227+26 23^E LT. To Cor of House

226+96 17^E LT to Cor House

226+62^E approx Prop line (fence down)



LOCKWOOD MESA
TORREY PINES P.L.

PROPOSED Sub-Div. of

1/4 Ac. Vicinity of
Sta 163+77-167+70

R of S MAD 1402

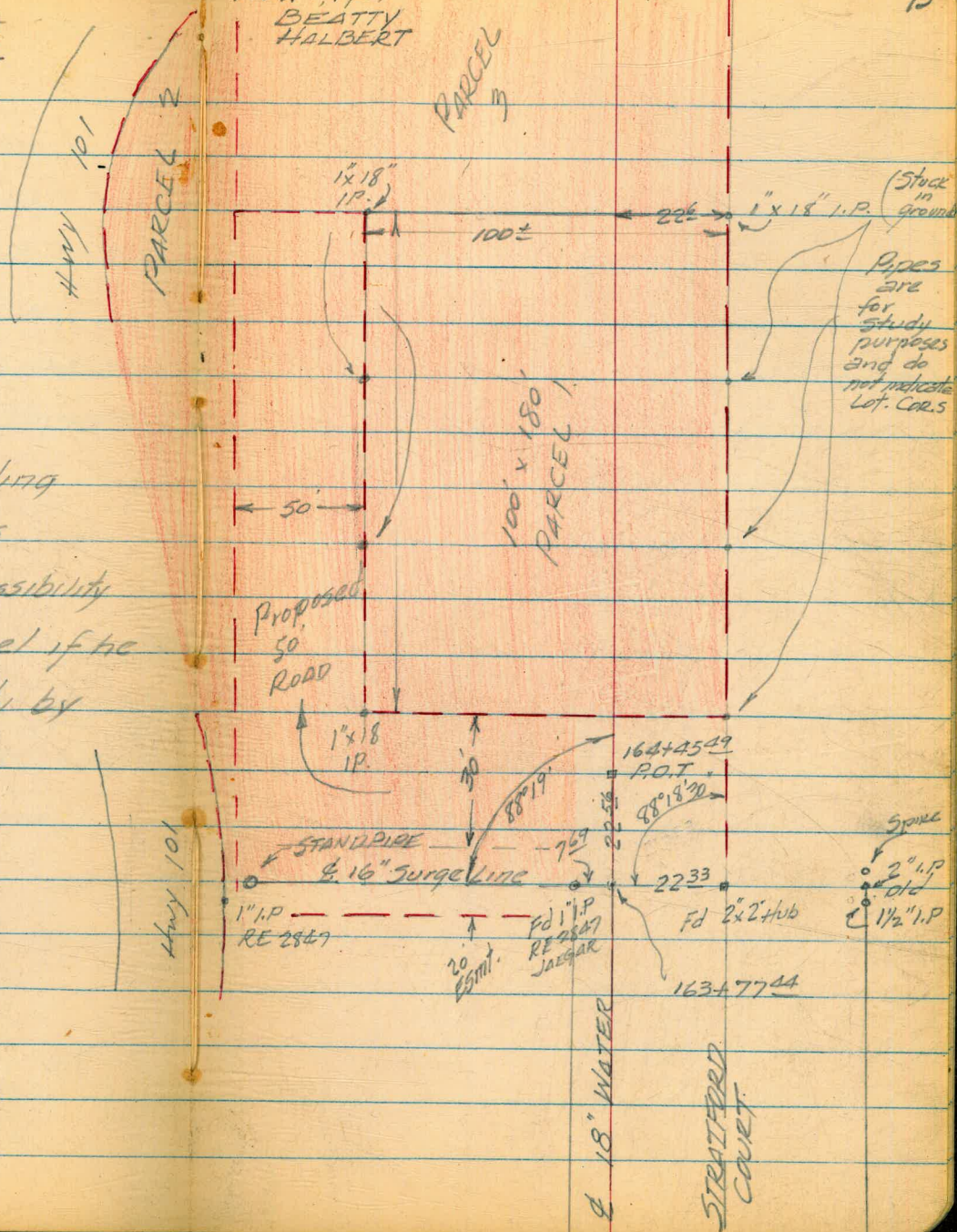
By MR AVEY.

(Lives of NWly Cor)
4th & STRATFORD

He is contemplating dividing
1/4 Ac into 3 parcels as
sketch indicates, with possibility
of 1-3 lots in each parcel if he
can get access to property by
building 50' road off of
Stratford Court.

Nov. 1, 1957
BEATTY
HALBERT

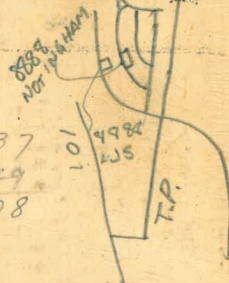
75



Please Return to
 City of San Diego Water Dept.
 Room 903 Civic Center

6.64 TP
 43 | .001
 .05000
 5.46
 7.18

61.37
 57.29
 4.08



121.09 @ 7.031

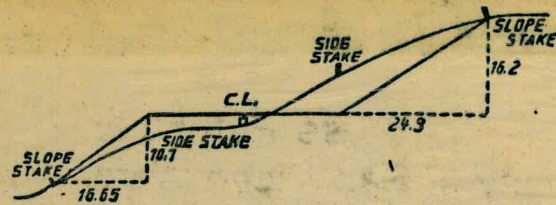
726.52
 9687.70
 1941.370
 120.82 @ 6.47

825.74

369
 90
 599

120.84
 855.74

170.84
 85
 120.99



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	71.20	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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