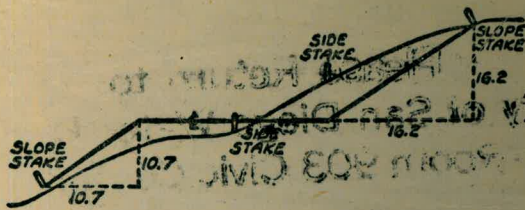


W 918



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

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
 SLOPE 1 TO 1, ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

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

FOR TANGENTS ADD

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

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.266	.353	.440	.528	.617	.707	.797	.877	.971	1.07	1.18	1.29
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

INDEX

FENCE LOCATIONS, STAKED AT VARIOUS LOCATIONS

CAMP CALLAN ELEVATED TANK ✓ 1

MUIRLAND PUMP PLANT ✓ 2

CATALINA PUMP PLANT ✓ 3

" STAND PIPE ✓ 4

SCIMITAR PUMP PLANT ✓ 5

NORTH ENCANTO ELEVATED TANK ✓ 6

65TH & HERRICK PUMP PLANT ✓ 7

SOUTH ENCANTO STAND PIPE 8

SORRENTO VALLEY Proposed 6" AC 9-11 ✓

" " PROFILE & X-SECTS 12-16 ✓
alice

CHESTERTON PUMP PLANT (SELEV'S & DETAIL) ✓ 18-19
alice

DEL CERRO RESERVOIR, SITE Boundary }
Fence as Constructed } 20
Res. Loc. on SITE ✓

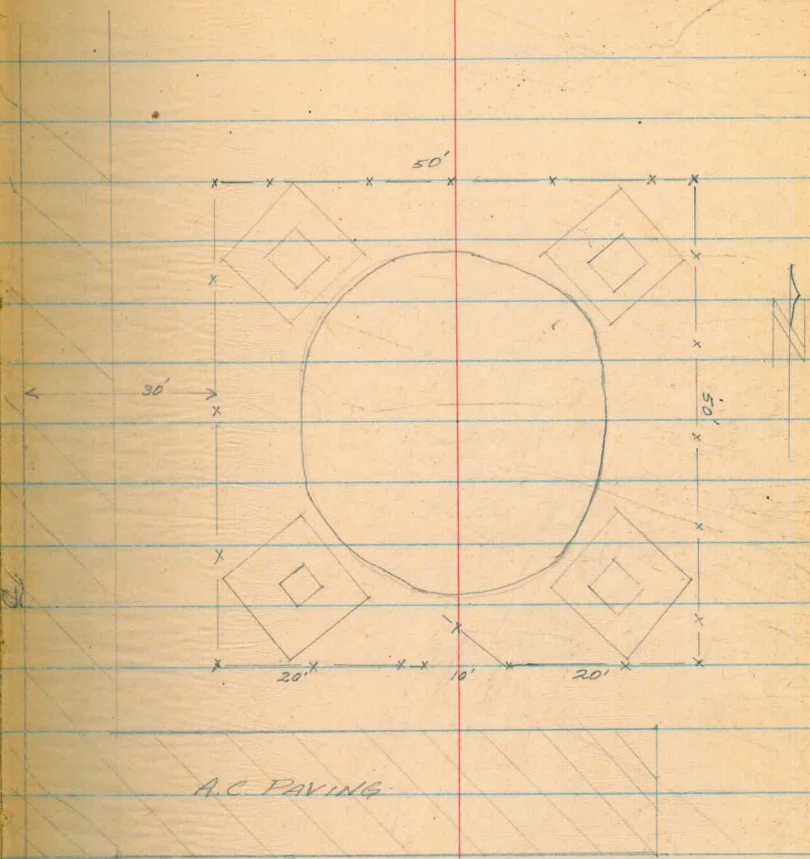
DEL CERRO RESERVOIR, PAVED Area 21
alice

FENCE LOCATIONS, STAKED AT
VARIOUS WATER DEPT.
FACILITIES

CAMP CALLAN ELEVATED TANK

7/14/55
SHOREY
KEMP
KELLHOFER

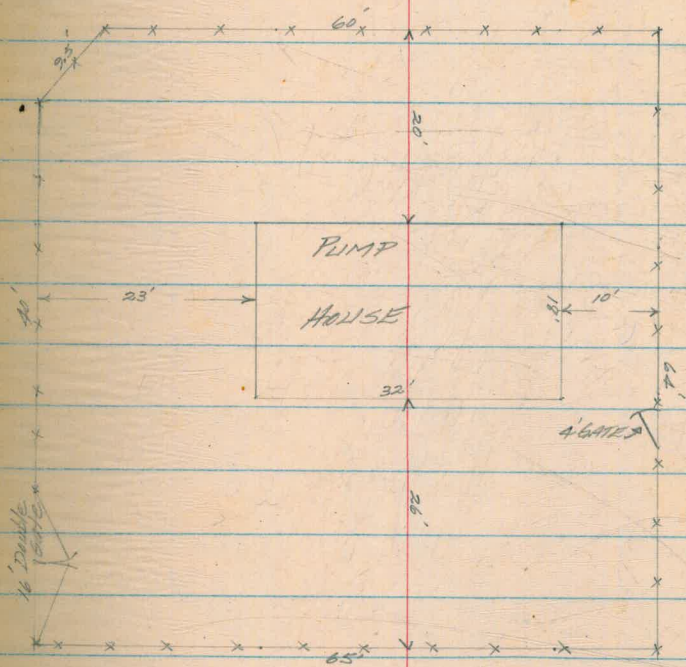
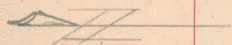
①



Muirlands Pump Plant

1/14/55
SHOBEY
KEMP
KELLHOFFER

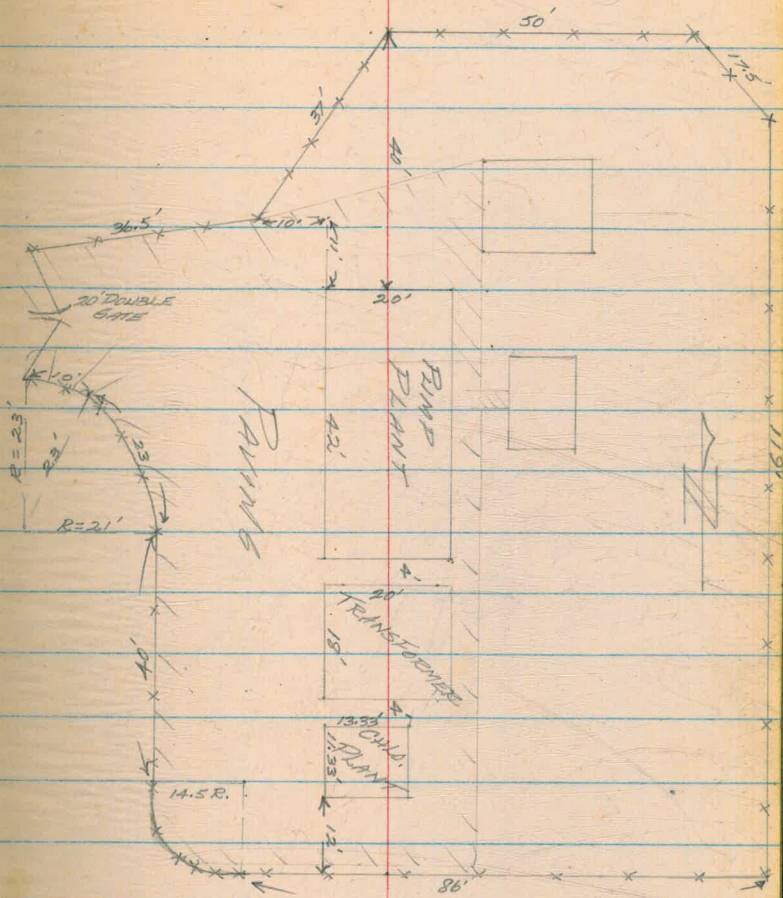
(2)



CATALINA PUMP PLANT

7/15/55
SHOREY
KEMP
KELLHOFER

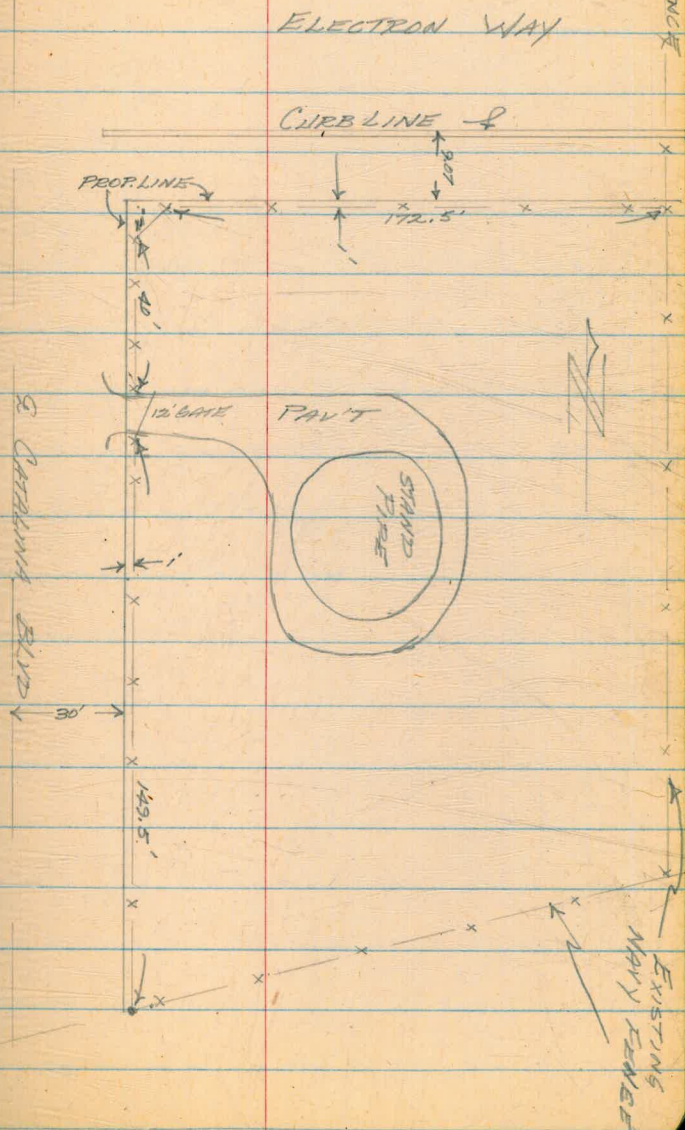
(10)



7/15/55
SHOREY
KEMP
KELLHOFER
HOLAHAN

(4)

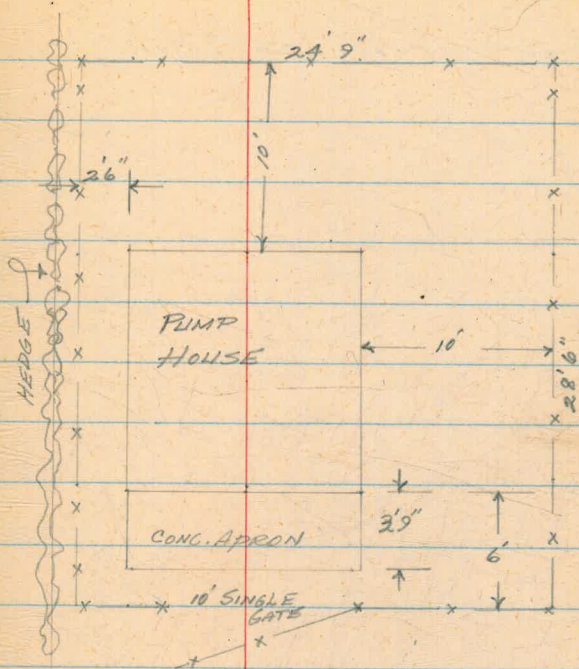
CATALINA STANDPIPE



SCIMITAR PUMP PLANT

7/22/55
SHOREY
KEMP
KELLHOFER
HOLOHAN

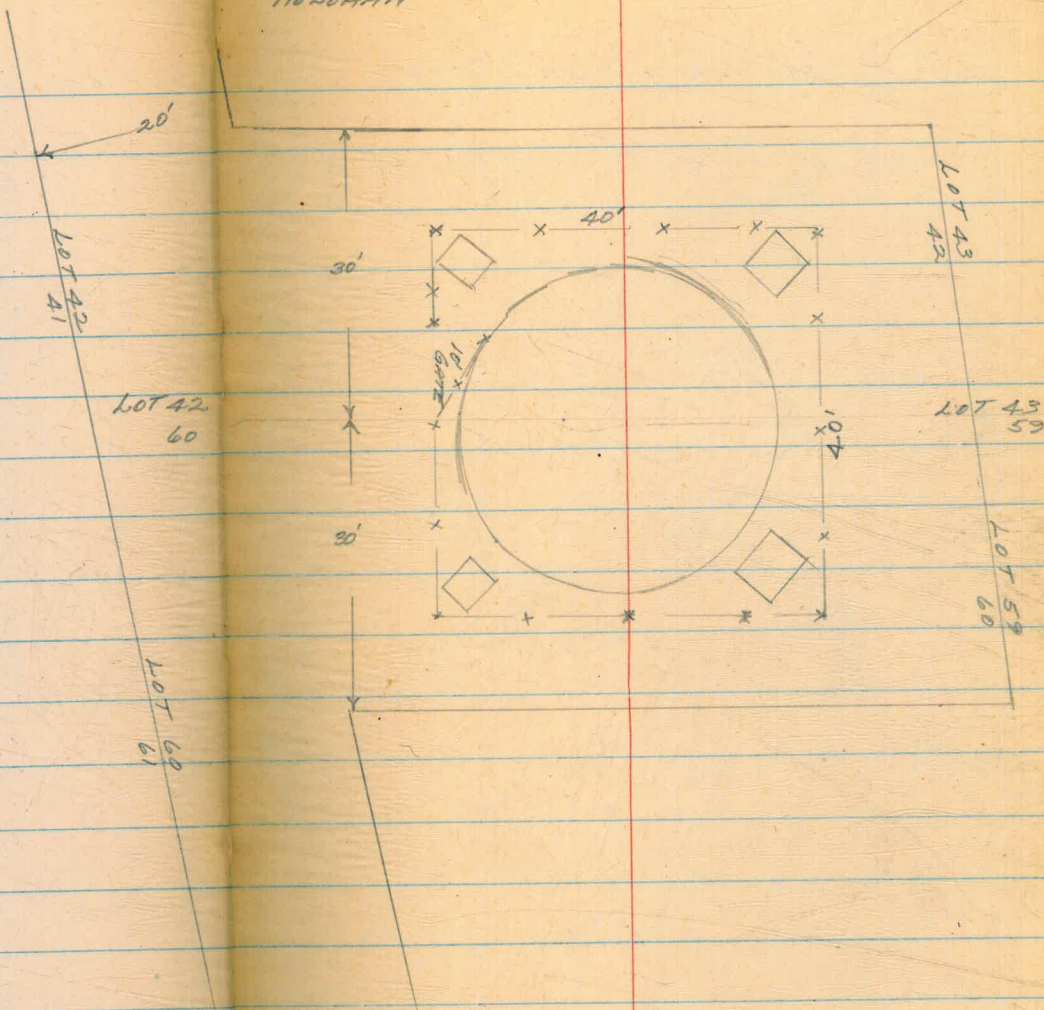
5



7/22/55
SHOREY
KEMP
KELLHOFER
HOLAHAN

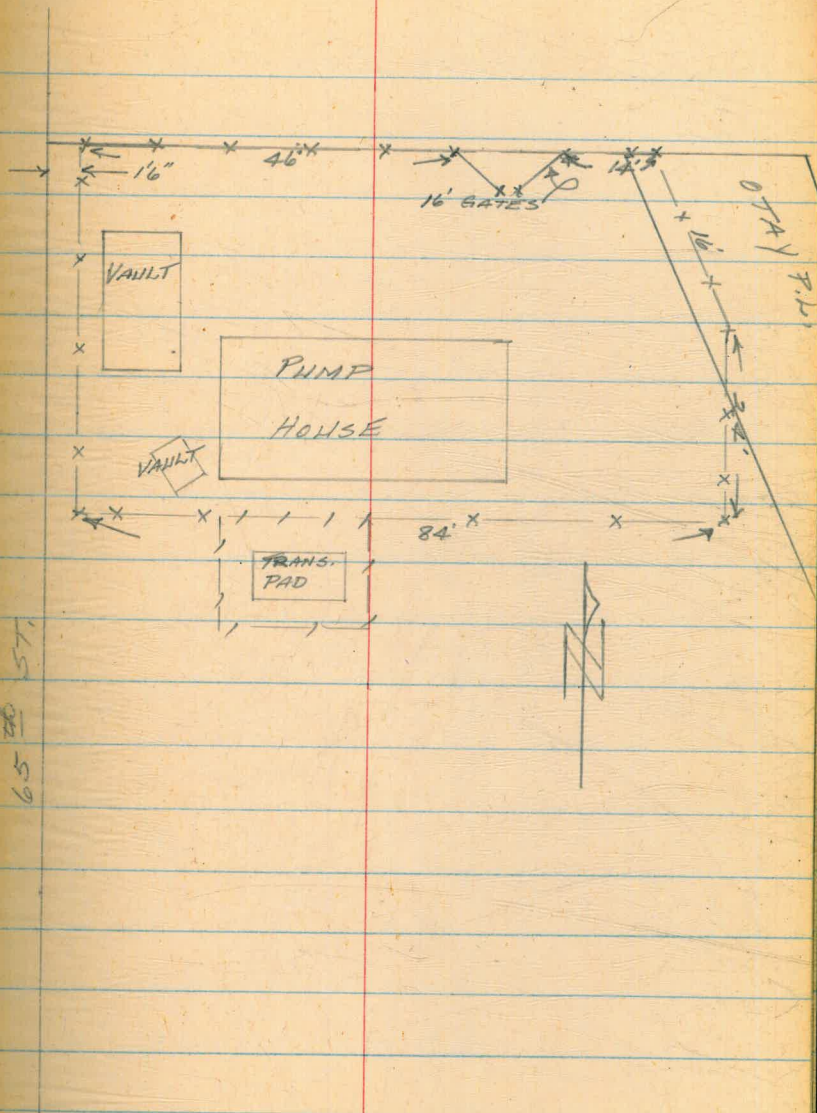
6

NORTH ENCANTO TANK



65th & HERRICK PUMP PLANT

7/22/55
SHOREY
KEMP
KELLHOFER
HOLMANN



SOUTH ENCANTO STAND PIPE

SORRENTO VALLEY
 PROPOSED 6" AC. MAIN
 ALONG ENTRANCE ROAD TO FILTER
 PLANT
 IN P.L. 1361 & P.L. ~~1334~~ No!

Aug. 18 1955
 SHOREY
 MARTIN
 & CO.
 Holliston

6+99³⁸ P.C.L. $\Delta = 21^{\circ} 39' \text{ LT.}$
 6+50²⁹ P.I. $R = 263'$
 6+00 B.C. $T = 50.29'$
 $L = 99.38'$ $5 13^{\circ} 30' \text{ E}$
 $\text{DEF} = 6.5356/\text{ft}$

5+00 \times P.T. $5^{\circ} 41' 30'' \text{ RT.}$

2+76⁰⁸ EC.

2+16⁰¹ P.I.

$\Delta 25^{\circ} 59' \text{ RT}$
 $R = 267'$
 $T = 61.61'$
 $L = 121.08'$
 $\text{Def.} = 6.4377/\text{ft.}$

1+55 BC.

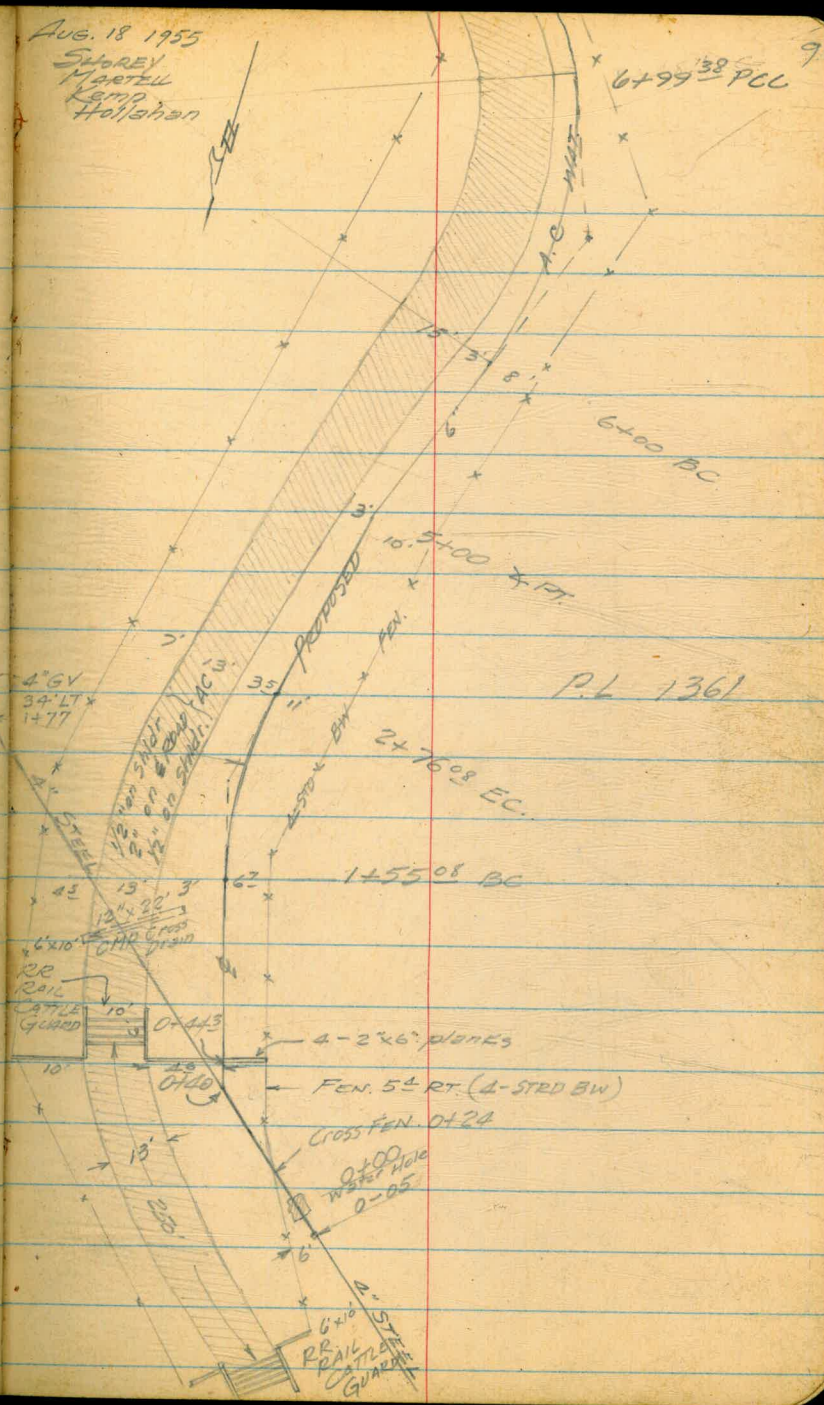
0+40 \times P.T. $19^{\circ} 14' \text{ RT.}$

0+00

$5 19^{\circ} \text{ E}$

$5 44' 30'' \text{ E}$

$5 64' 30'' \text{ E}$



P.L. 1361

6+00 BC

2+76⁰⁸ EC.

1+55⁰⁸ BC

6+99³⁸ P.C.L. 9

SORRENTO VALLEY
(Cont'd.)

Aug 19, 1955
Same party

SW Cor
P.L. 1359
Fd 2' I.P.P.T.O.
CHY ENG.

16+00 END

S. 16° 21' E.

14+00 A.P.T. 0° 20' 30" LT.

S. 16° E.

10+53 A.P.T. 3° 25' RT.

10+02 ^{5'}E.C.A 23° 58' RT

R = 342'
T = 72.59
L = 143.06
DEF = 5.0259

S. 19° 30' E.

8+59 ⁴⁵P.C. 8° 18' LT

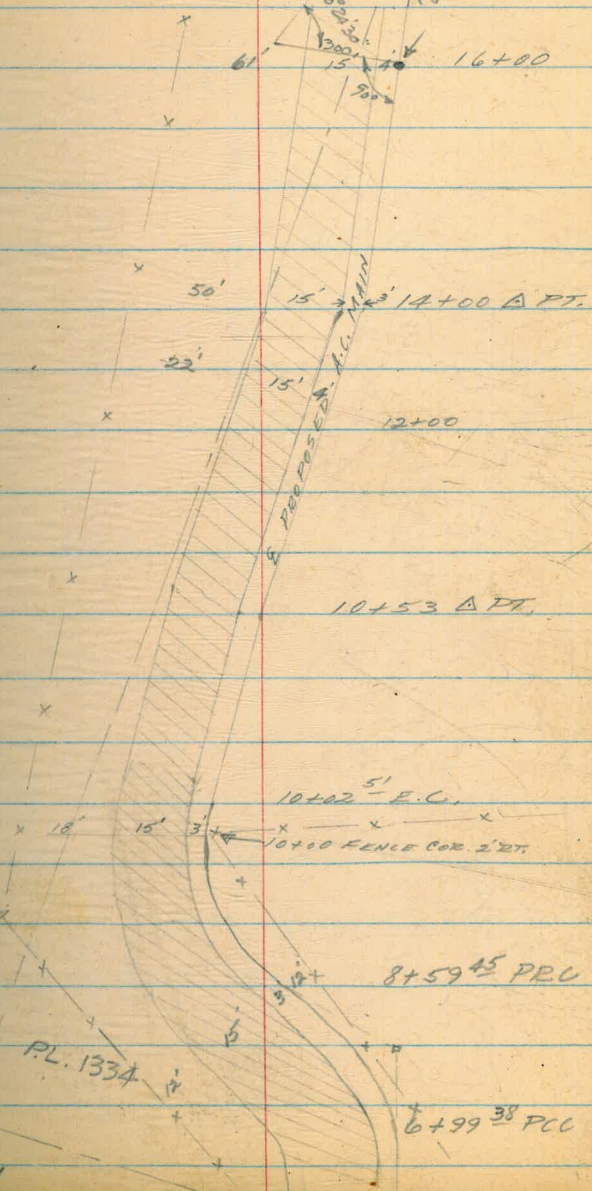
R = 1105'
T = 80.18'
L = 160.07
DEF = 1.5555/ft.

S. 43° 30' E.

7+79 ⁵⁶P.I.

6+99 ³⁸P.C.

S. 35° E.

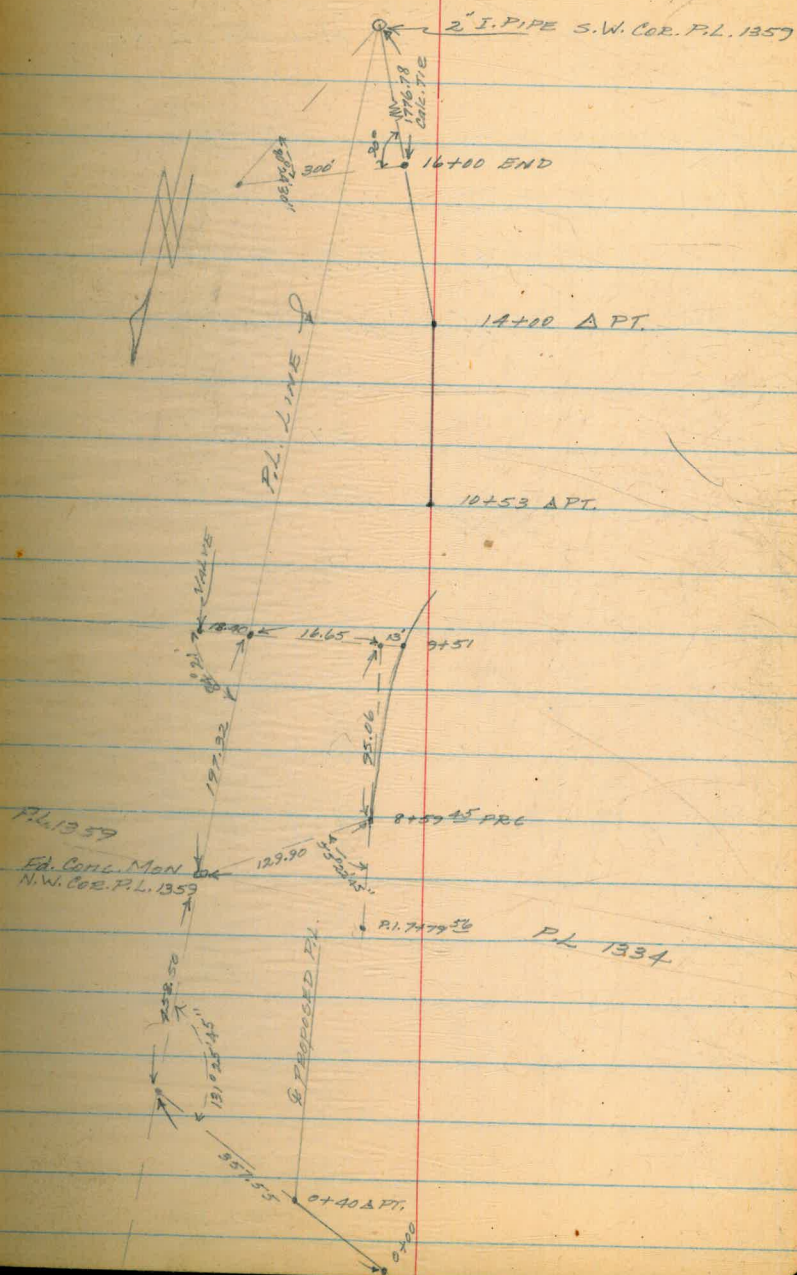


SORRENTO VALLEY
(Cont'd.)

TIES TO P.L. LINE

8/22/55
Same party

11



SORRENTO VALLEY
 & PROFILE
 & CROSS-SECTIONS
 PROPOSED 6" WATER LINE

8/22/55
 Same party

12.

BM 0.40 42.19 41.79

TP 1.37 33.82 9.74 32.45

TP 1.42 21.91 12.33 20.49

SET TBM. 6.18 20.35 7.74 14.17

0-05 3.7 16.7

0-02 3.7 16.7

0+00 Top 4" STEEL PIPE 5.22 15.13

0+02 3.8 16.6

0+24 fence crossing 5.1 15.3

0+40 5.9 14.5

0+50 5.9

0+63 6.8

1+00 6.2

1+50 5.9

x on conc retaining wall SW. Cor filter plant

Blue spot on fly side of cattle 15' + LT 0+45

15.05 12.9 14.4 15.4 15.5
 5.27 5.5 6.0 5.0 4.9
 10 2 2 3 5.5 @ fence
 on A. & rd Edge
 4" C
 5" d

15.1 15.1 19.0 19.23 14.9 14.4 15.3 16.7
 5.3 5.3 7.4 7.12 5.5 6.0 5.1 4.7
 12 6 6 3.5 1 1 2 3 @ fence
 & rd Top of 4" pipe
 Top of 4" pipe
 9" d

15.1 13.6
 5.3 6.8
 9 1
 ac & rd 12" CMP
 Cross Drive

5.3 5.7 6.1 4.9 4.4
 10 2 1 3 6 @ fence
 & rd ac
 5" d

5.0 5.6 4.1 3.5
 9 2 3 7 @ fence
 ac & rd ac 5" d

SORRENTO VALLEY
(Cont'd)

8/23/55

13

20.35

1+55 B.C 59 14.5

15.0 14.8 16.0 16.9
5.0 5.6 4.0 3.5
9 2 7 7 @ fence
AC Rd AC Shld.

2+00 55

15.9 15.1 14.9 17.2 17.7
4.5 5.3 5.5 3.2 2.7
9 2 1 3 5 @ fence
AC Rd AC Shld.

2+50 50

4.1 4.6 5.0 3.3 1.2 2.4
8 2 2 5 3 12 @ fence
AC Rd AC Shld.

2+76.08 E.C 5.0

4.1 4.4 5.0 3.0 0.5 4.9
11 4 7 2 4 12 @ fence
AC Rd AC Shld.

3+00 40

4.0 4.3 4.7 6.0 4.0
11 5 2 4 10 @ fence
AC Rd AC Shld.

3+50 3.1

3.8 4.0 4.3 3.2 1.0 4.8 4.8
12 6 2 2 4 2 7 @ fence
AC Shld.

4 9.42 26.22 3.55 16.80

4+00 7.7

9.2 9.4 9.8 5.6 4.1
8 Rd AC Shld. 4 2 @ fen.

4+50 8.5

8.9 9.0 9.4 8.3 7.1 3.0 1.7
11 6 4 2 2 3 8 @ fen
Rd A.C. Shld.

5+00 9.1

8.8 9.1 8.3 4.1 2.3
9 4 6 7 @ fen.
Rd A.C. Shld.

26.22

H.I. 26.22

LT.

RT.

5+50 9.1

8.7 8.8 8.5 7.7 2.2 0.5
10 5
E Rd. A.C. Shld. 1 3 5 9 @ Ferr.

6+00 9.2

8.5 8.7 7.3 3.1 1.7
11 5
E Rd. A.C. Shld. 4 5 8 @ Ferr.

6+50 9.2

8.6 8.9 6.5 2.7 0.0
11 3
E Rd. A.C. Shld. 5 6 12 @ Ferr.

6+99³⁸ PCL 9.2

8.5 8.6 1.2 +4.0
10 3
E Rd. A.C. Shld. 5 13 @ Ferr.

7+16 12" CORR. CULVERT F.L. 10.28

7+50 8.9

8.2 8.6 9.0 1.3 +2.7
9 2
E Rd. A.C. Shld. 8 15 @ Ferr.

8+00 Edge A.C. Shld. 8.3

8.6 2.7 +1.3
4 7 16 @ Ferr.

8+50 8.2

7.1 7.6 7.9 5.1 1.2 +1.6
10 4
E Rd. A.C. Shld. 2 3 12 18 @ Ferr.

8+53 12" CORR. CULVERT 1st LT. F.L. 8.00

8+59⁴⁵ PRC 12.26 30 A2 8.06 18.06

H.I. 30.42

11.0 11.6 11.8 8.3 3.7
10 4
E Rd. A.C. Shld. 2 4 18 @ Ferr.

9+00 11.1

10.2 10.8 11.4 5.0 1.0
11 4
E Rd. A.C. Shld. 3 18 @ Ferr.

9+50 11.1

10.0 10.5 7.2 4.9 3.6
10 3
E Rd. A.C. Shld. 4 10 14 @ Ferr.

	30.42			
10+02 ⁵¹ E.C		10.8		
10+53 APT.		10.2		
TP 8.62	29.59	9.45	20.97	
11+00		9.4		
11+50		9.3		
12+00		8.9		
12+50		8.7		
13+00		8.5		
13+50		7.4		
14+00 APT.		6.3		
TP 4.07	27.55	6.11	23.48	
14+50		4.0		

<u>LT</u>		<u>RT</u>	
9.8 $\frac{10}{2}$ Erd.	10.1 $\frac{4}{1}$ A.C. Shld.	$\frac{8.1}{10}$	
9.7 $\frac{2}{1}$ Erd.	10.0 $\frac{2}{1}$ A.C. Shld.	$\frac{10.2}{3}$	$\frac{5.8}{5}$ $\frac{0.8}{10}$
$\frac{8.4}{10}$ Erd.	8.7 $\frac{3}{1}$ A.C. Shld.	$\frac{4.1}{4}$	$\frac{0.0}{10}$
8.4 $\frac{11}{3}$ Erd.	9.0 $\frac{3}{1}$ A.C. Shld.	$\frac{6.7}{4}$	$\frac{3.4}{10}$
8.4 $\frac{11}{3}$ Erd.	8.8 $\frac{4}{1}$ A.C. Shld.	$\frac{5.9}{3}$	$\frac{3.0}{10}$
8.1 $\frac{11}{3}$ Erd.	8.5 $\frac{4}{1}$ A.C. Shld.	$\frac{7.7}{6}$	$\frac{4.5}{10}$
7.4 $\frac{12}{3}$ Erd.	7.8 $\frac{4}{1}$ A.C. Shld.	$\frac{8.0}{3}$	$\frac{6.0}{10}$
6.7 $\frac{10}{3}$ Erd.	7.0 7.7 $\frac{4}{1}$ A.C. Shld.	$\frac{6.5}{5}$	$\frac{4.3}{10}$
6.3 $\frac{10}{3}$ Erd.	6.5 $\frac{3}{1}$ A.C. Shld.	$\frac{5.5}{10}$	
4.1 $\frac{2}{1}$ Erd.	4.1 $\frac{3}{1}$ A.C. Shld.	$\frac{1.5}{10}$	

LT

RT

27.55

15+00

4.5

5.1 5.1 5.5
E'rd. A.C. Shld

2.1
7.0

15+50

7.2

6.8 7.0 7.6
E'rd. A.C. Shld

2.3 +1.0
2 8

16+00

8.7

7.9 8.4
E'rd. A.C. Shld

6.3 4.0
5 10

Profile 35' LT. @ 90° TO STA. 16+00

10'

8.1

20'

8.8

29'

12.5

35'

12.9

35' TOP 4" STEEL PIPE 14.6

SET TBM 8.07 26.86 8.76 18.79

NAIL TOP FENCE 70' LT 14+75

TP 1.01 21.57 6.30 20.56

OK TBM 8.64 24.41 5.80 15.77

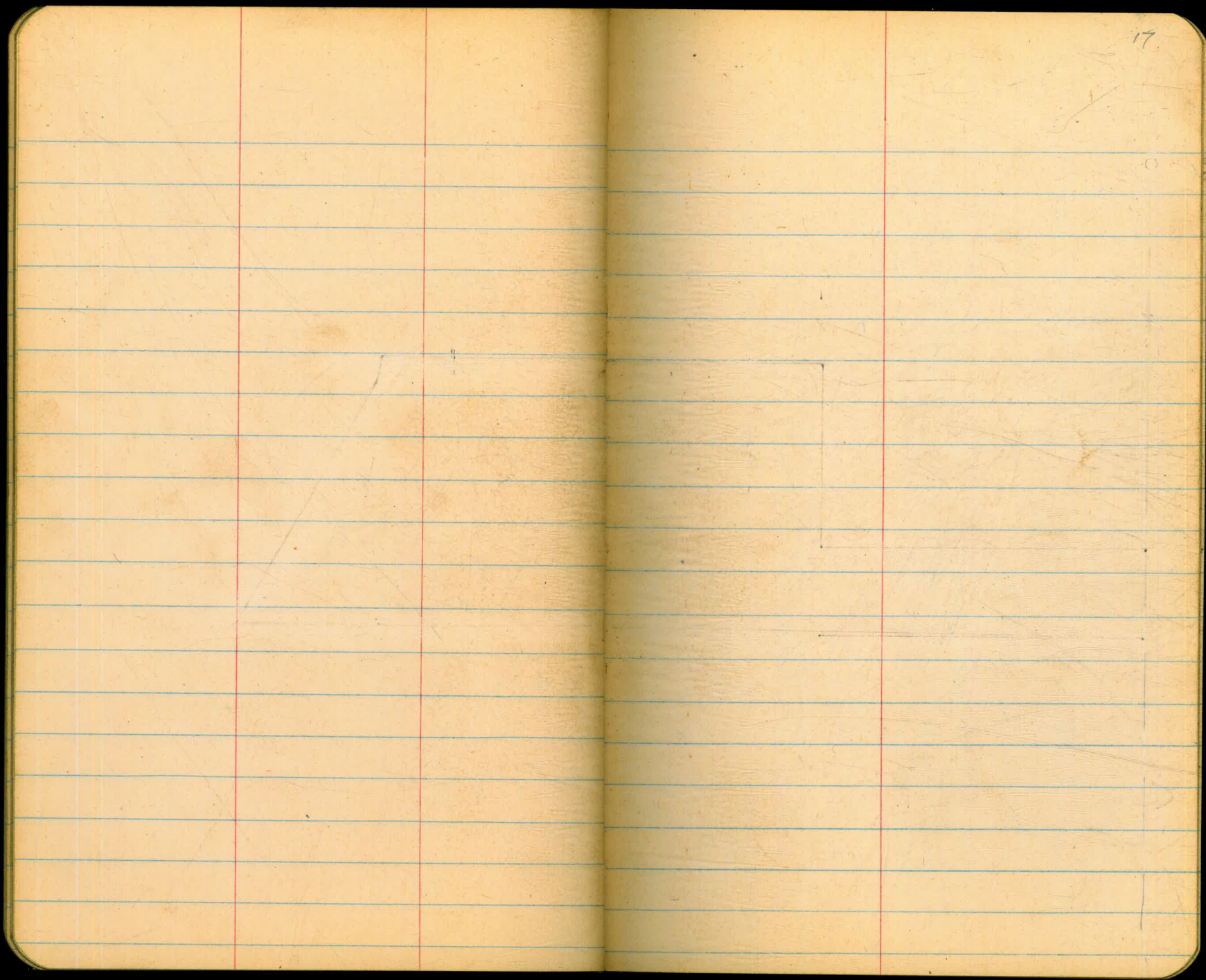
TP 12.82 35.80 10.23 14.18 = 14.17

OK TBM.

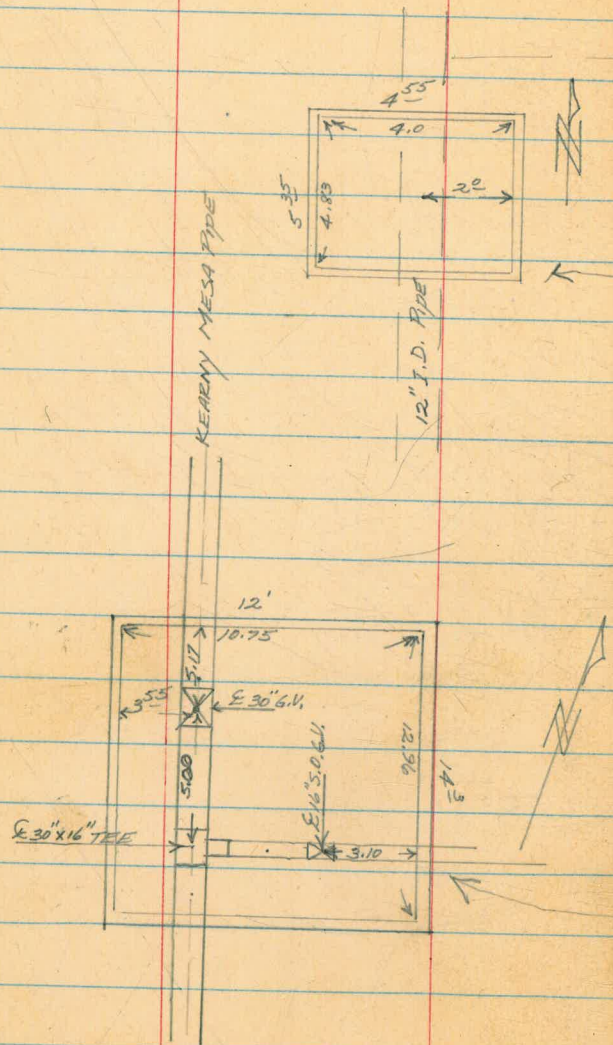
TP 8.77 36.72 1.43 22.98

TP 9.30 45.51 7.85 27.95

CK. BM 3.71 41.80 = 41.79



DETAIL & ELEV. AT
CHESTERTON PUMP PLANT

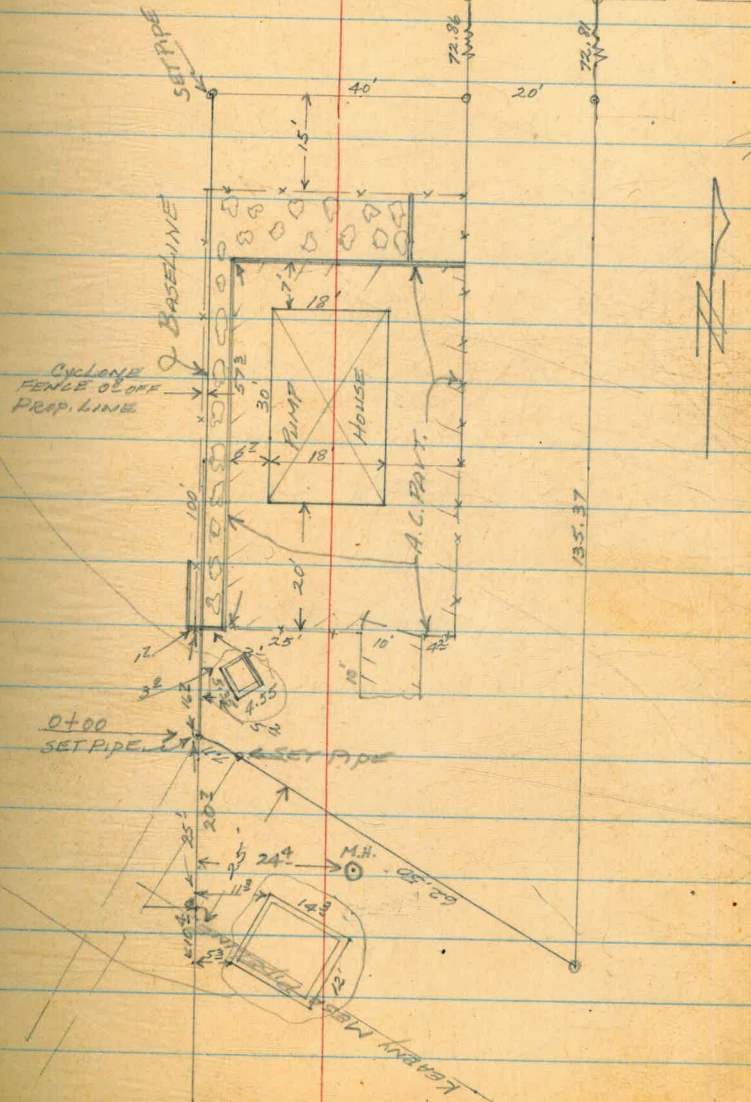


8/14/56

SHOREY
KEMP
SMITH

18

PUEBLO LOT LINE & "1199"



CHESTERTON PUMP PLANT
(CONT'D)

8/14/56
SHOREY
KEMP
SMITH

19

BM	3.64	350.58	346.94	
0-36 ²	9 ² LT.	5.12	345.46	
0-36 ²	27 ² LT.	5.07	345.51	
0-36 ²	3 ¹ LT.	2.05	348.53	
0-36 ²	3 ¹ LT.	5.19	345.39	
0-16 ²	3 ¹ LT.	2.16	348.42	
0-16 ²	3 ¹ LT.	5.09	345.49	
0-16 ²	25 LT.	5.87	344.71	
0-06 ²	25 LT.	6.08	344.50	
0-09 ²	3 ² LT.	4.01	346.57	
			10.47	340.11
			13.17	337.41
0+00	11 ² LT.	3.6	347.2	
0+20 ²		3.8	346.8	
0+25 ¹	11 ³ LT.	3.64	346.94	
			11.00	339.58
			14.29	336.29
CK. TBM		3.64	346.94 = 346.94	

CHISL. □ ON NWLY COR. CONC. CHAMBER ON KEARNY
MESA PIPELINE

TOP FLOOR S.W. COR. PUMP HOUSE

" " S.E. " " "

TOP CONC. BLOCK WALL

ON A.C. PART

TOP CONC. BLOCK WALL

ON EDGE A.C. PART

ON EDGE A.C. PART

" " " "

TOP CONC. CHAMBER

TOP 12" I.D. PIPE

BOTTOM CHAMBER

LT 343.6

RT

7.0

40 346.3 345.7 x

7.3 4.9

40 11² x

TOP CONC. CHAMBER

& 30" I.D. PIPE

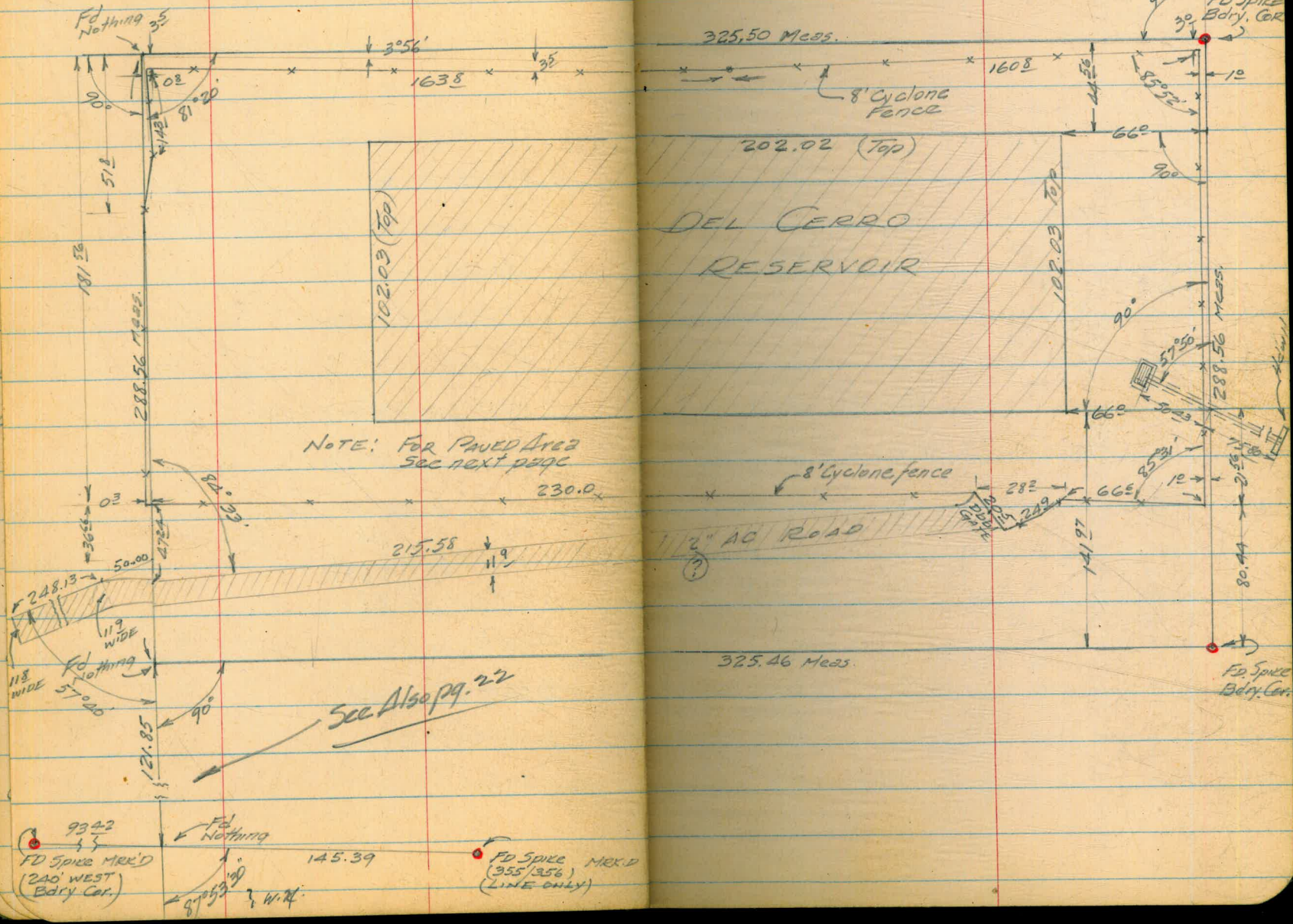
BOTTOM CHAMBER

Red #6 8/15/56

DEL CERRO RESERVOIR
CHECK ON SITE BOUNDARY,
FENCE AS CONSTRUCTED,
RESERVOIR LOCATION ON SITE.

JAN. 11 1957
Beatty
Paulson
O'Brien

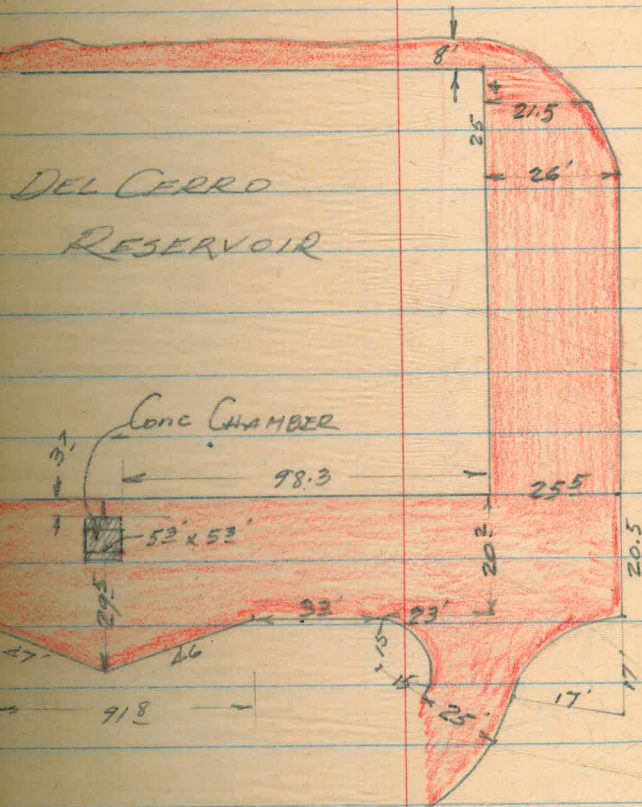
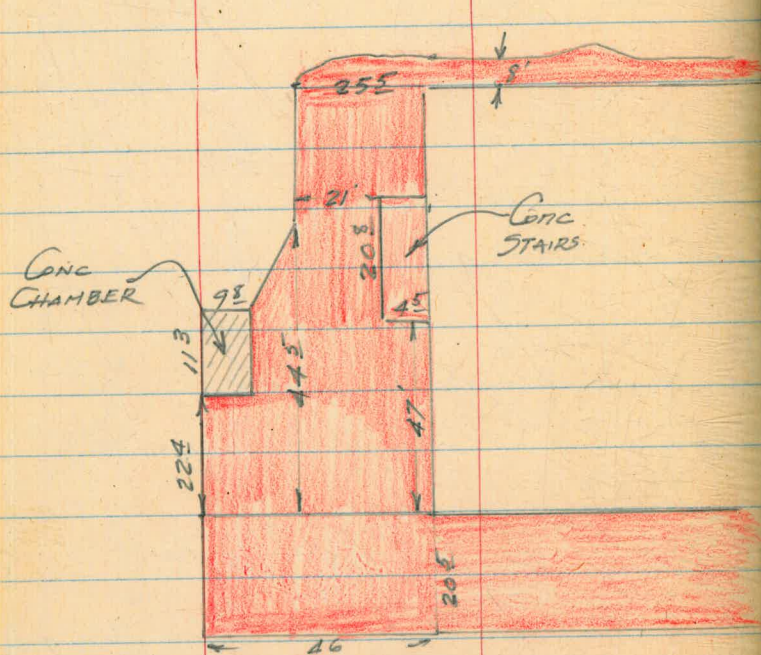
20.



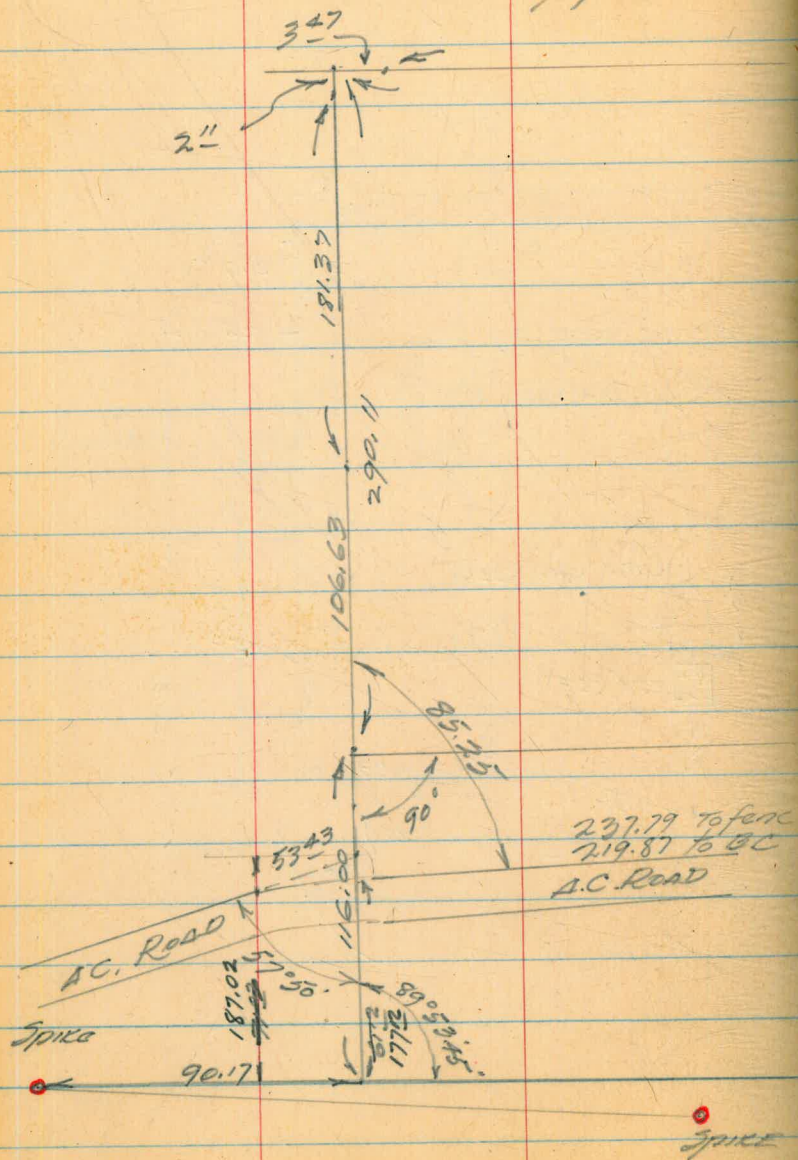
DEL CERRO RESERVOIR
PAVED AREA

1/14/57
Beatty
Paulson
O'Brien

21



DEL CERRO RES.
 CHECK ON SITE BDRY
 SEE ALSO pg 26.



1/16/57
 BEATTY
 TROULSON

22.

325.50
 Reclaimed 328.81

Fd SPIKE

288.56
 289.93

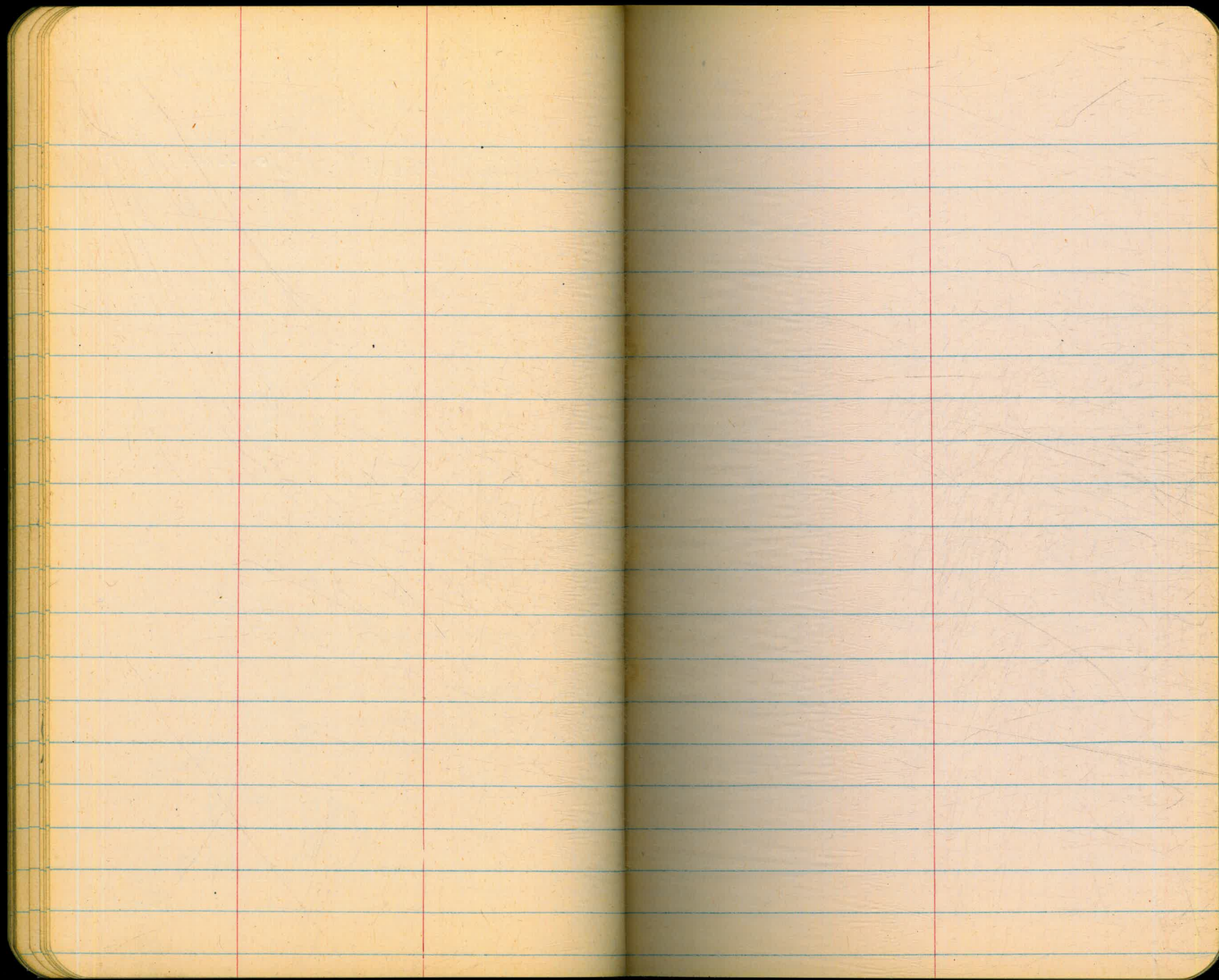
Fd SPIKE

137

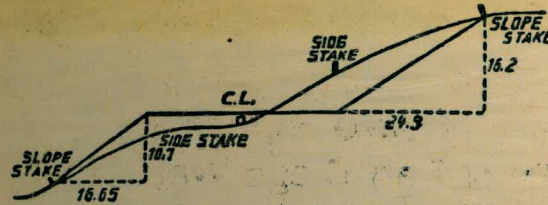
237.79 to fence
 219.87 to AC
 A.C. Road

3/4" I.P.
 Bdry Cor

SPIKE



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



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
 SLOPE 1 1/4 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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