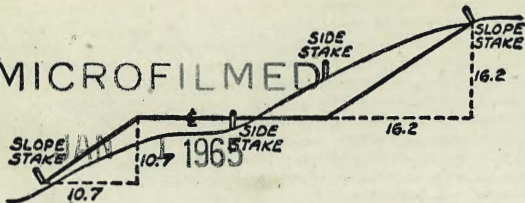




MICROFILMED



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	.89	.99	1.09	1.20	1.31	1.42	1.54
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	.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

Survey - Drain 400' N. La Jolla Mesa Dr. etc 1-5

Survey - Tile Drain 4900' W. W.M.T. View Dr 6

Survey Proposed Drain Diamond, Academy STS 19-31

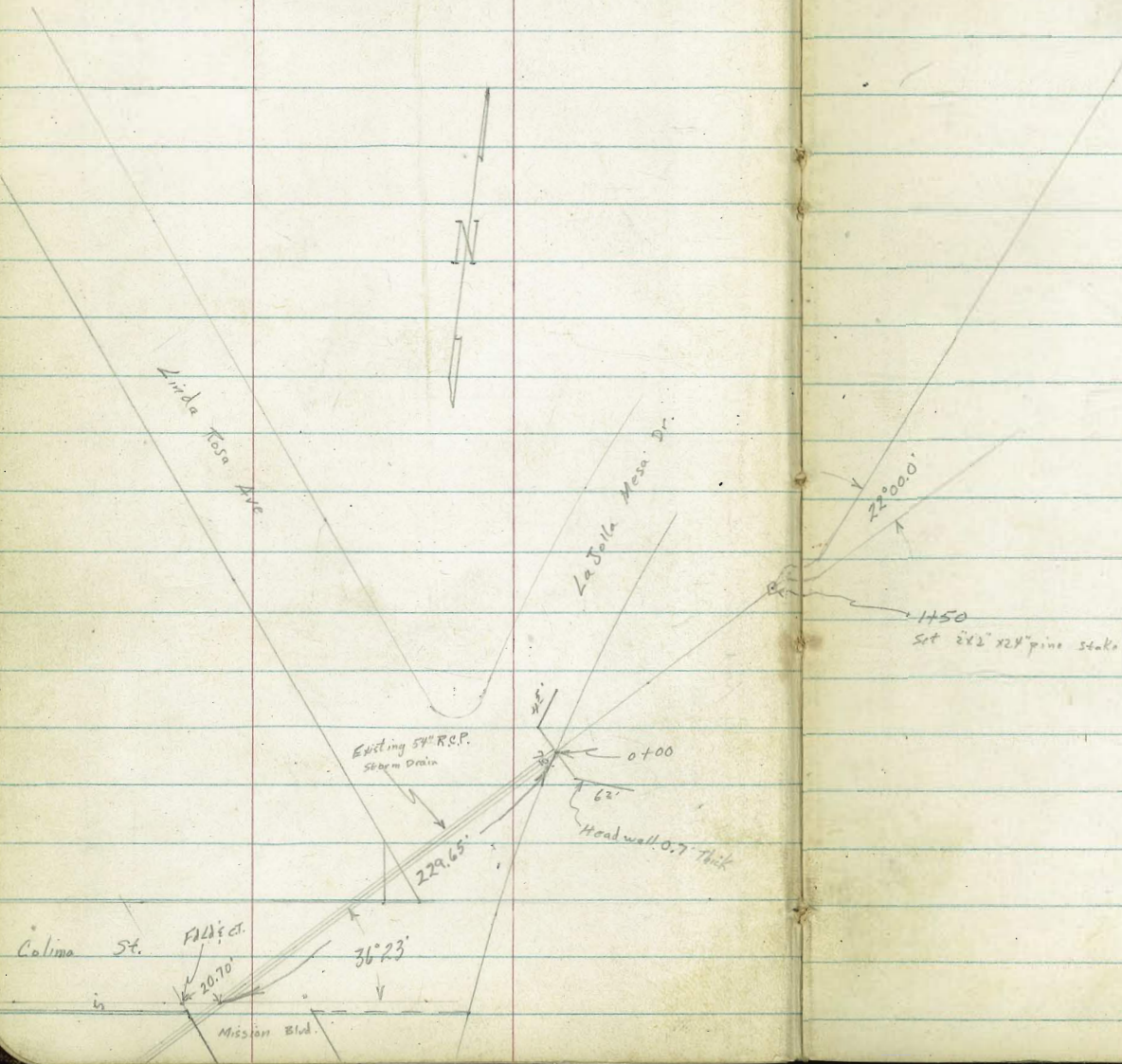
Roberts  
Cota  
Moore  
4-2-52  
WQ 20006

Survey for Proposed Storm Drain  
End of Exist 54" at La Jolla Mesa Dr.  
and Linda Rosa Ave. N.Y.

5851-L FB2048 pg. 2

INDEXED

Lee  
APR 2 1952



Cont'd From Page 2

1450 L.Lt 22° 00.0' (on split)

T.P. 9.14 187.80<sup>↓</sup> 1.06 178.66<sup>↓</sup>

1400

0+63

0+23

0+00 End Existing 54" R.C.P.

BM

1825 179.72<sup>↓</sup>

INVERT EXIST  
161.47 54" Drain at  
0+00

See P.B. 2048 pg 4

Lt

R

Lt

R

1822	1832	1712	1824	1825	1819
5.5	4.1	16.5	5.4	5.3	5.9
55	44	26	9		25

18780<sup>↓</sup>

1782	1792	1684	1772	1782	1782
1.5	0	11.3	1.8	1.5	1.0
46	35	21	5		25

1792	1752	1664	1759	1759
5.8	4.6	13.6	3.8	3.8
37	25	13		15

1714	1722	1644	1679	1699	1722
8.6	7.5	15.3	15.8	9.8	7.5
25	14	5		12	25

1702  
9.70 161.47 Elev.  
Top Invert  
Manhole

179.72<sup>↓</sup>

Cont'd From Page 2

2+88

2+84

2+36

2+10

2+66

1+85

1+59

Lt

S

R

3

182.4  
5.7

182.4  
4.4

187.8	184.2	181.6	179.3	178.7	176.5	179.0
0	3.1	6.2	8.5	9.1	11.0	8.9
18	11		8	23	27	32

178.0  
9.8

175.9  
12.8

185.1	187.1	177.8	176.5	174.1	173.6	184.6	185.1
2.7	0.7	10.0	11.3	13.7	14.2	3.2	2.7
52	38	23	8	5		16	30

182.4  
4.7

187.8

187.8

Cont'd From Page 3

Lt

R

Rt

L

3+97

1881  
8.4

3+80

1958	1914	1881	1862	1911	1942
2.2	64	10.0	11.3	63	4.0
25	8	3	10	28	

Large Rocks

3+74

1881  
11.5

3+50

1879  
10.1

T.P.

11.9

197.98  $\pi$   $\downarrow$

1.01

186.79  $\downarrow$

197.98  $\pi$   $\downarrow$

3+23

23<sup>3</sup> Lt to 18° R.C.P. from La Jolla Mesa Dr.

1928	1854	1841	1868	1871	1878	1900
+5.0	2.4	3.7	0.9	0.7	0	+2.2
33	23 <sup>3</sup>	15	10		12	25

INVERT

1871  
4.4

2+92

187.80  $\pi$

187.80  $\pi$

check

24.16 161.46 = 161.47

T.P.

0.50

185.62<sup>1</sup>

12.86

185.12<sup>1</sup>

Reduced by CPL 4-3-52

4400

197.98 T

1966	1969	1892	1885	1882	1910	1965
1.6	7.1	9.0	9.5	9.7	8.0	1.5
22	14	6		4	8	20

197.98 T



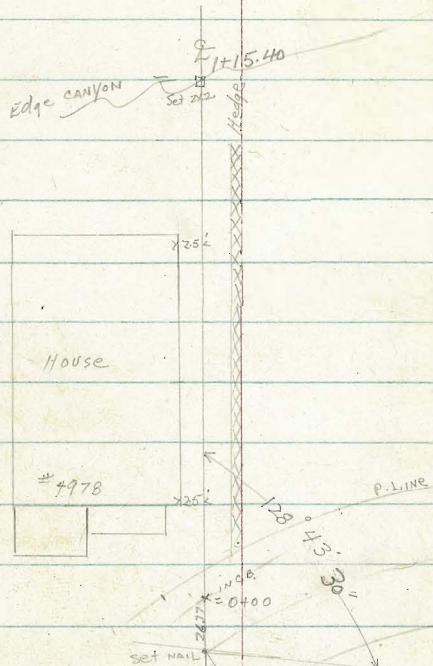
Clark 8-5-52  
Shepherd W.O. 2/10/09  
Bruver  
Bryson

### SURVEY- TILE DRAIN

4900 BIK. W. MT. VIEW DR.

Notes: P. 7

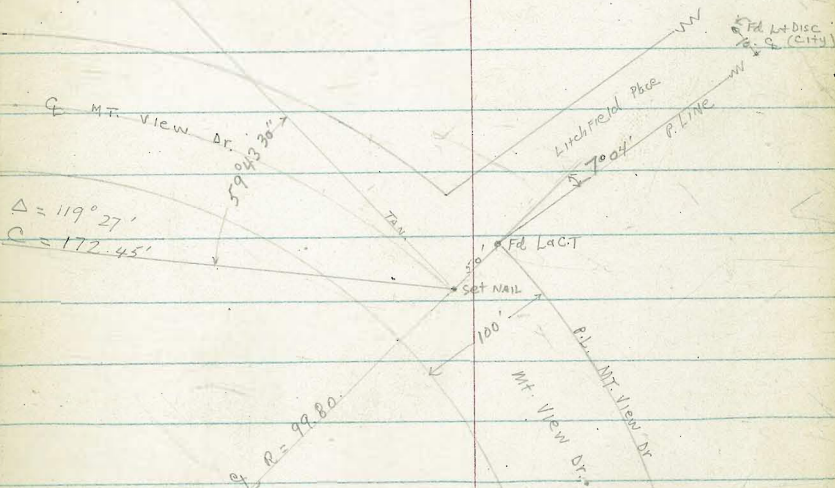
Not to scale:



Note: { No DATA AVAILABLE ON Resub. LOT. 40 Normal HTS  
No LOT BEARINGS ETC. No City PTS. Fd, except on  
Litchfield Place:

DATA: T.P. = 18 - 42  
Sheet # 2 MAP 1870  
985 - Normal HTS

**INDEXED**  
*Law*  
AUG 6 1952



Survey - Tile Drain 4900 BIK

W. Mt. View Dr.

LT.

±

RT.

0+50

3960  
4.8  
2.5

3948  
5.0  
2.5

3948  
5.0  
2.5

0+37.80

2.5' LT Bkg. house.  
3.5' LT end Porch.  
Picket Fence & gate

0+32

3.5' LT Front edge Conc. Porch

0+31

2' LT & 5" PALM

0+25

3954  
4.7  
2.5

3950  
4.8  
2.5

3950  
4.8  
2.5

0+16

2.5' RT Bkg 5' x 1.5' hedge

0+15

OK Edge WALK

3949  
4.90  
10

3948  
4.96  
10

3948  
4.90  
10

0+10.5: Edge WALK

(cuts along Arc WALK)

3946  
5.15  
10

3945  
5.25  
10

3945  
5.24  
10

0+00 = C.B. Line (S/W) MT. VIEW DRIVE

(cuts TAKEN along Arc - C.B.)

3943  
5.46  
2.5  
TRD

3942  
5.82  
2.5  
E

3944  
5.77  
5.35  
TP  
CB

3940  
5.75  
2.5  
TP  
TRCB

5.27

399.81

394.54 = N/W B.P.

Litchfield + Mt. View Dr.

399.81

CHK. 5.27 394.54

N/W BR. Litchfield & Mt. View Dr.

1+25 on slope canyon

1+15.40 edge canyon

1+09 1.5' RT END 8" wide CONC. Ret. Wall  
→ Picket Fence

1+03 2.2 RT E end 5'x1.5' hedge

1+02.1 Fence 12" wide Ret wall, CONC.

0+76 0.2' RT Edge 4'x6" Clothesline Pole

0+75 Edge 2' Conc. Walk

0+66 2.5' LT END house

1.5' RT Beg. 8" CONC. Wall + Picket Fence (2.5')

0+65.80 Face 8" x 6" CONC. curb

377E

22.0  
2.5

386E

13.8  
2.5

393E

6.0  
2.5

391T

8.7

FINC  
Wall

378E

21.6

386E

15.2

393E

6.1

TP Wall

378E

21.6

387E

13.8  
2.5

393E

6.1

2.5

392E

6.85

1.5

TP Wall

389E

10.2

1.5

FT Wall

394E

4.95

TPCO

394E

5.1

DIRT

394E

4.95

1.5

TP Wall

394E

5.85

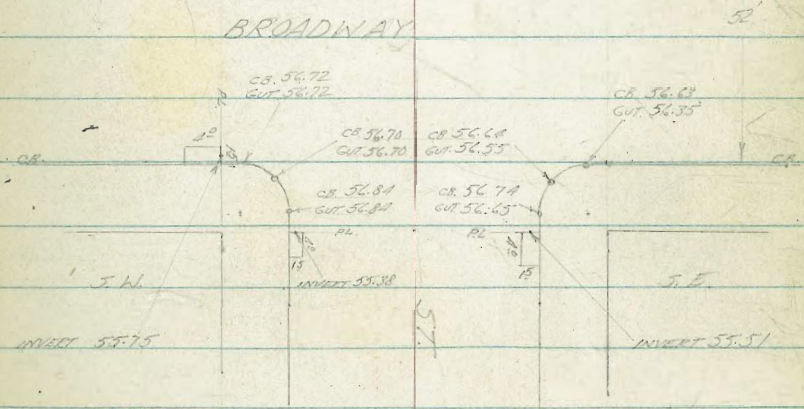
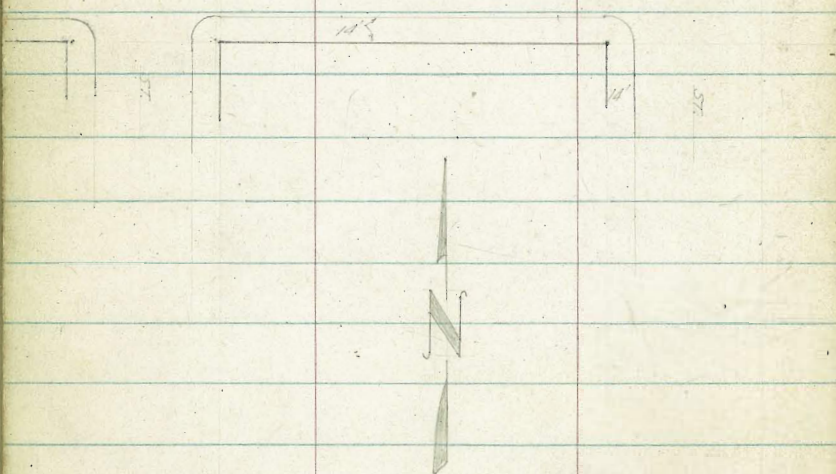
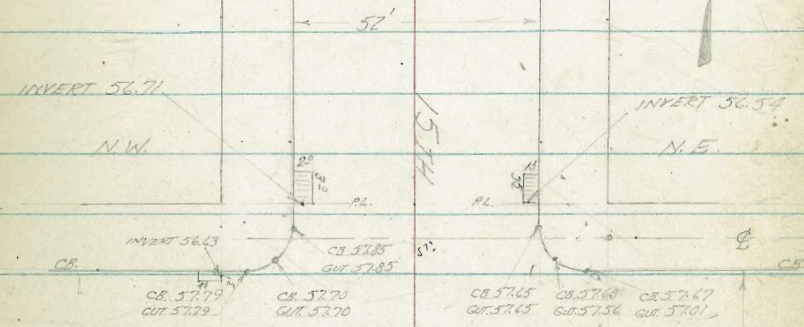
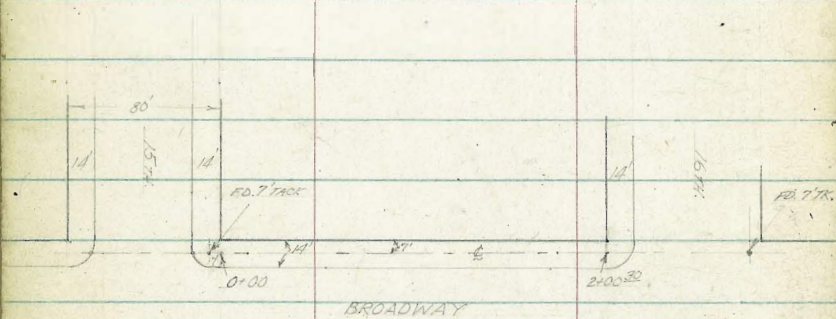
1.5

FT Wall

399.81

COYA  
MOORE  
COLLIER  
12-31-52  
NO. 2 21069

ALL RETURNS ARE 10" RADII  
ELEV. TAKEN B.C., E.C. & MIDPOINTS



14' COMBINATION SIDEWALK & C.B. ON BROADWAY

USED DIRECT ELEV. ROD

INDEXED  
JAN 2 1953

0+03 5<sup>5</sup> RT. & FIRE ALARM BOX #146

0+01 5<sup>5</sup> RT. & METAL POLE 10" DIAM.

0+00 EAST PROP. LINE 15TH ST.

57.86

0-02 5<sup>0</sup> SOUTH, CENTER STREET SIGN

0-132 LINE CROSSES N.E. RETURN

57.65  
C&G

0-40 & 15TH ST.

57.71

0-66<sup>2</sup> LINE CROSSES N.W. RETURN

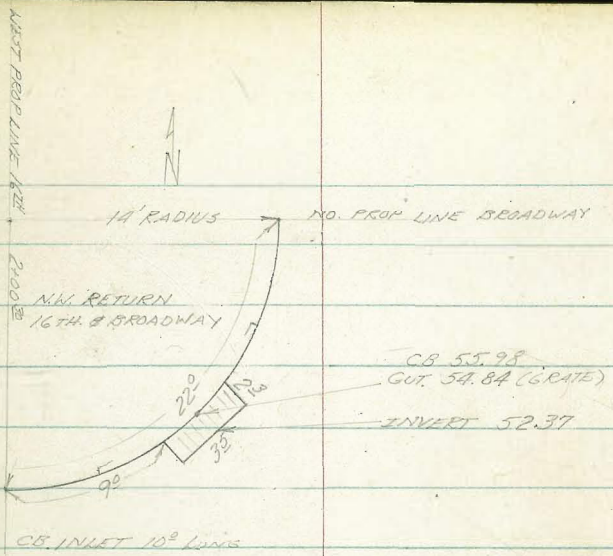
57.78  
C&G

0-80 5<sup>5</sup> SOUTH, CENTER CORN. STREET LIGHT

DIRECT ELEV. ROD

55.89 I.M.B.P.  
16TH E.  
BROADWAY

SURVEY FOR DRAIN ON BROADWAY 15TH ST. TO 16TH ST.  
CONT'D.



CHECK BM 55.89 = 5589 S.W.R.P. 16TH & BROADWAY

2419<sup>6</sup> LINE CROSSES NW. RETURN 16TH ST.

55.97 CB.  
55.01 GUT.

2400<sup>5</sup> 55 FT. & ORN. STREET LIGHT.

2400<sup>30</sup> WEST PROP. LINE 16TH ST.

56.07

1497 55 FT. & 10" DIAM. METAL POST

1450

56.53

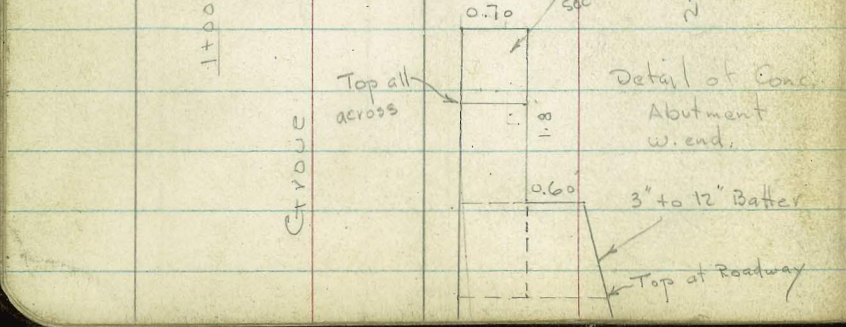
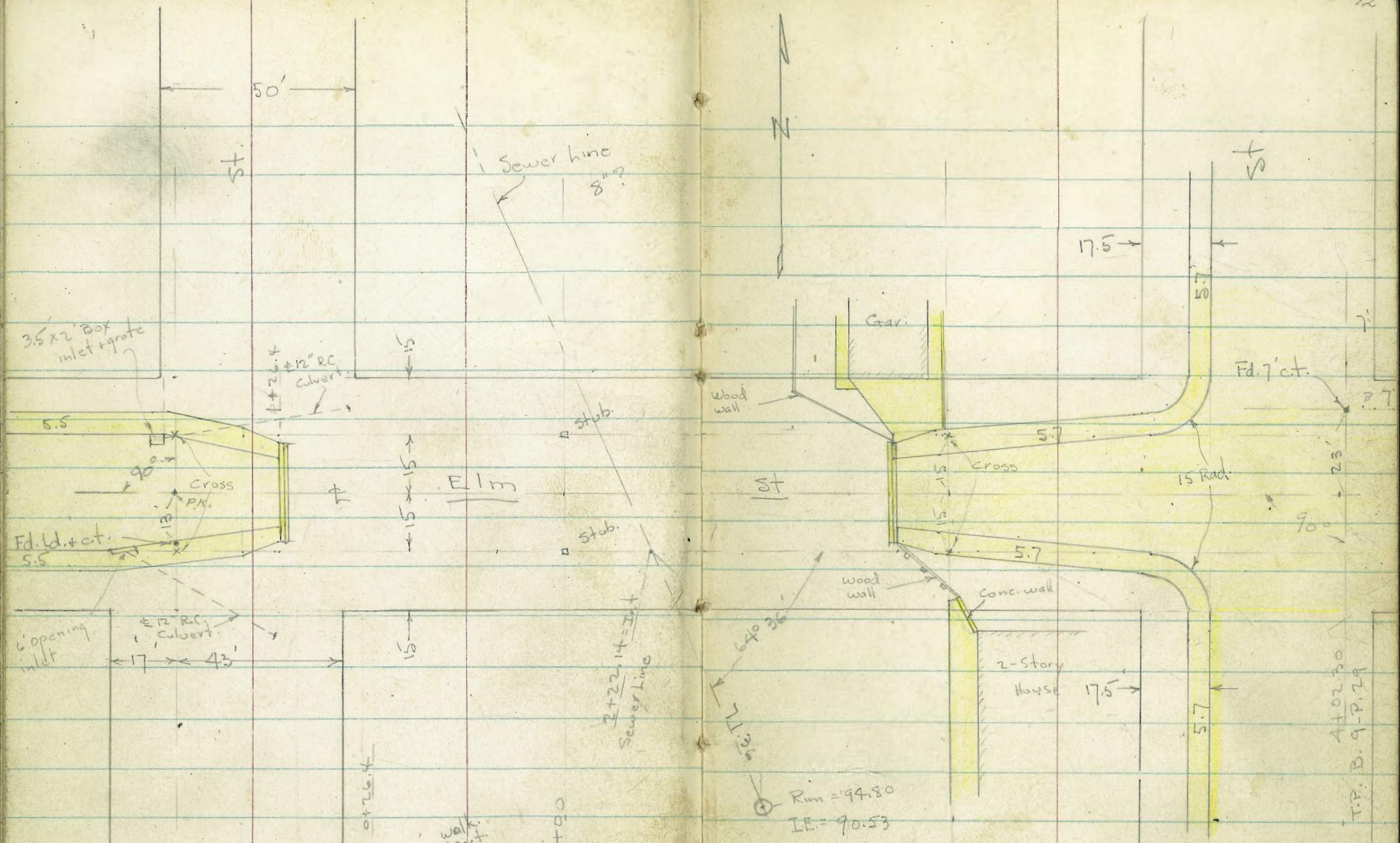
1400

56.85

0450

57.39

DIRECT ELEV. RAD



Scale - 1" = 40'

T.P. Sheet 159  
T.P. Book 9  
Book 1276-P.70

15  
12

4102.30  
T.P. D. 9-P. 29

Lt. ± Rt.

INDEXED  
Law  
FEB 9 1953

X- Sect. Elm St. - Grove to 31<sup>st</sup> to Replace  
Bridge.  
± 7503 2-4-53 7.0.  
W.O. 21013

1+15

34.4 31.49 31.29 30.79 30.76 29.56 30.84 30.98 32.5  
20 17.2 Top 11.6 10.7 Top 16.4 20  
walk gut walk

0+97.2 = Ang. pt. in cb. on Lt. ± Ely. of Conv. Cur.

34.02 33.20 33.00 32.20 32.12 31.32 31.66 31.83 31.9 36.0  
24.6 20.7 Top 15.1 13.2 Top 18.8 24 30  
Cor. edge floor - walk gut. Top walk

0+95 = ± of 3.5 x 2' Box Inlet on Lt.

32.61 32.23 33.10 32.20  
Ely. wly. Top 15.1 - grate in gut.  
Bottom Bottom. cb.  
± I.E. of 12" RC pipe

0+87 = ± 12" Cur. Dri. on Lt.

34.01 33.63 33.63 32.63  
24.6 20.7 17.4 15  
floor walk Brk. gut.  
gar.

0+86.2 = ± of 6' opening cb. inlet = 12" RC pipe

31.47 32.17 29.71  
14.7 Top I.E. of  
gut. Top Box

0+82.7 = Ang. pt. in curb on Rt.

33.92 33.82 32.96 32.97 31.66 32.35 32.54  
20.7 Top 15 15.1 Top 20.7  
edge walk gut. Top walk

0+40

36.45 36.39 35.59 35.36 34.42 34.79 34.87  
20.6 Top 15.1 15 Top 20.6  
edge walk gut. Top edge walk

B.M. = S.W. B.P. Elm + 31<sup>st</sup>  
Book 1276 - P. 70

226.16

Actual Elev. Shown. - 200 fig. Not Noted.



1+67 = ± of Bents.

1+66 - 23' Rt. = ± Tel. pole # 493377 - H

1+62 - 43' Lt. = ± 12" Pepper tree

1+60 = E. face of 9" Conc. wall

1+59 = Show Dirt inside of Conc. wall

1+51.4 - 16.6 Lt. = End. of 9" Conc. wall

1+50

2' x 2" Tops - 2" to 12" Batter.

1+46.7 = ± of Row of Conc. Base for Bents.

from inlet on Lt

1+44.7 - 21.7 Lt. = ± outlet of 12" RC culvert

27.90 = Bottom

1+30 - 5.9 Lt. = ± 4" steel water line - on Bridge

see Detail - P. 12

1+26.4 = end walk + pave at wily. of Bridge Abutment

1+25 - 37 Rt. = ± outlet 12" RC culvert from 6' inlet on Rt.

Lt. ± Rt.

07.6	07.8	11.26	05.2	05.1		05.1	11.26	12.3	13.4
30	20	Top at Cov.	13.8 ground.			ground	12.3	13	30
						outside	Top		wall

08.2	07.0	11.26	09.3	09.6	09.2	13.2	14.1
30	15	Top outside wall	13.2 = at Cov.		12.3	13	30

11.33  
16.6 = top + ground

13.3	12.8	12.9	10.5	13.6	17.7	18.1	18.5	16.3	20.2
60	30	16	10		15	30	40	50	60

14.0	17.00	15.7	19.10	17.4	19.65
Ave Bottom	Top	Ave Bot.	± Top	Bot.	Top
	8.6			8.3	

14.14  
21.7 = I.E. of Pipe

24.2	26.0	26.6	24.3	24.3	25.6	29.6	26.6	24.6
45	30	20	13		13	23	30	40

29.65	30.16	28.65	27.65	30.21	30.03	30.03	30.02	30.22	27.68	28.68	30.18	29.74
Top of Abut. across	13.1	9	9	Top end	9	Top pave	9.2	Top gut.	9.1	9.1	13	13
	walk	Top	Top	end	gut.		gut.	end	Top	Top	Top	Top
	to	to	to	cb. =	pave		cb. to	cb. to	to	to	to	Abut. across
	N.	N.	Abut.				N.	N.	S.	S.		

27.97 = I.E. of outlet  
37 =

LT      ±      Rt.

2+50.6 - 19.5 Rt. = Ang. in fence & 30' Rt. = large dom p of Bouganville

2+47 = ± Bent. - not High

2+37	11.0	11.8	09.5	05.5	99.1	97.0	95.9	95.4	93.9
	70	50	30	15		15	30	50	100

2+32 - 26.5 Rt. = Cor. of old wire fence - 77' Rt. = sly. Cor.

2+27 = ± Bent. - Not High

2+24 = ± Row of 9" peppers - 31' Rt. - 47' Rt. - 61' Rt.	06.0	05.8	03.6	01.0	99.0	98.5	97.5	97.4	95.5	94.6
	70	50	30	15		15	30	50	80	100

2+20 - 62' Lt. = ± 48" Euc.

2+17 = ± of wash to S	05.1	04.8	03.2	01.9	99.6	97.6	97.0	95.7	95.0	94.3	92.7
	100	80	50	30	15		15	30	50	80	100
							± wash				

2+10	03.2	02.2	00.8	98.5	97.6	97.8	99.3	99.2	97.7	95.5
	100	70	30	15		15	20	50	70	100

2+07 = ± of Bent. - Not High

2+07 - 64' Lt. = ± 24" Euc.

2+06 - 50' Rt. = ± 36" Palm

2+05 - 47' Lt. = ± 30" Euc.

2+03.5 - 21.5' Rt. = ± 10" Euc

1+90	02.1	99.7	99.2	98.0	198.6	99.9	02.6	02.6	01.8
	80	50	30	15		15	30	50	75
							± wash		

1+87 = ± Bent. - not High

1+86 - 36.5' Lt. = ± 24" Euc. Tree

1+70	05.5	04.2	03.2	03.0	02.3	02.5	01.1	08.8	08.9	07.3	11.7
	75	60	45	30	15		9	20	30	50	60

Lt. E Rt.

28.01 23.7  
Top 17.2 = ground

Note: Picket fence on top of wall  
2+77.5 - 17.2 Lt. = Ang. in wood Ret. wall

28.57 28.49  
30 27  
at gar. edge 28.45 28.41  
walk 30 27.1 = Conc.

2+74.4 = 30 Lt. = Wly. Cor. of Gar.  
2+71.7 = 27.1 Lt. = Wly. of 2.7 Conc. walk  
Note: Sect. out of order.

28.66 27.64 27.53 24.7 20.1 18.0 12.0 07.2<sup>06.6</sup>  
30 17.7 Top 14.5  
floor edge wall along  
gar. Conc. Dr. Ret. wall

2+84 = 5.5 Lt. = E of 4" steel water pipe 24.95 = Bottom  
Bottom of Conc. abutment  
2+82.5 = ± Bent. - not High - +21 Rt. = ± 14" Euc. stump.

2+75 = 20' Rt. = ± Large Cactus

2+72 = 15' Rt. = ± Large Cactus

4  
Tip. on Rock 221.30

2+71.5 = 30.7 Rt. = Cor. of Shed.

27.90 23.0 17.0 16.1 10.6 01.8 00.3 00.0  
Top 21.2 7 ± 10 15 30.7 50 80  
wall at wall along Shed.

2+70

2+67 = ± Bent. - 1-3' High

wall + Cor. of Wooden Shed - 9' wide  
2+62.5 = 30.7 Rt. = end fence + Nly. of 6" Rock + Conc.

00.79 00.24 00.03  
30.7 50 80  
Top Conc. Top wall  
wall

- 26.1 Lt. Cor. of 3"x12" wood Ret. wall  
2+60 = 55.5 Rt. = ± 4" Orange

27.7 27.42 20.6 15.7 10.2 05.2 200.0 96.9 96.7 96.4  
45 Top 26.1 15 15 30 35 50 80  
of wall gr. at Cor.

2+54 = 47+64 Rt. = ± 6" Fruit trees

Lt.                    #                    Rt.

3+30

31.2	26.98	26.83	26.24	26.46	26.11	26.56	26.61	27.8
30	18.7	Top	13	got.	13	Top	18.7	30
	edge		got.		got.		edge	
	walk							

3+07.4 - 35.7 2 story House  
Rt. = end E. face of wall at Corrot

27.9	30.17	19.95	19.78
ground.	35.7	36.4	50 = Conc
	Top	Top	Top of
	wall	wall	wall at
			House

3+02.4 - 26.5 Battered Conc. wall - Batt. to W.  
Rt. = End. Wood Ret. wall + Beg.

27.84	30.16	19.77
26.5	Top	Conc. at
Top wood	Conc.	Bottom
wall	wall	

3+01.6 - 10.3 Lt. = 4" outlet 4" Drain thru. cb.

26.61  
10.3 - I.E. of  
Pipe

3+00 - Cont.

19.8	19.77	19.74	17.7
24.4	27.7	50	ground
along	Cor. of	Top	To W.
wall	Conc.	Conc.	

3+00 = wly. of Conc. walk on Rt

30.6	30.3	27.19	27.18	26.64	26.78	26.59	27.02	27.07	27.77
30	25	15.9	12.6	10.2	got.	10.3	Top	16	24.4
		edge	walk	walk	got in Dr.	got.		edge	Top
								of walk	Ret
									wall

2+99.2 = face of 6" Conc. wall on Lt.

28.44	30.61	28.06	30.27	27.25
on	30	24	24	15.9 = Sly.
Dr.	Top	on	Drk =	end of well at walk
wall	wall	Dr	Top	

2+94.8 = Ely. Cor. of Gas.

28.58.  
30.1 = at Cor.  
on Conc.

2+86.7 - Cont. - 13.5 Lt. = end wood Ret. wall.

27.32		27.31	25.56	24.61	25.51	27.27	27.24	19.4
13.5	also Beg	13	9	9.2	9.2	13.2	13.9	ground.
Top	Conc.	Cor.	Top to	Top to	Top	Cor.	Top	To S.
	Dr	walk	N.	N.	S.	walk	wall	
		end of	Abut.			tend of		
						Abut.		

13.9 Rt. = Beg. Sly. face of 3'x12" Wood Ret. wall well anchored.

24.56	27.38	26.81	26.56	26.53	26.80	26.57	26.74	27.34
9	9	9	9	Top	Top of	9.2	9.2	9.2
Top	Top	Top	Top	Abut.	Pave	Top	Top	Top = end
To	end	Pave	Abut.	±	±	off	Pave	cb.
S.	cb.	= got.	±			Abut.	±	

2+86.7 = Ely. of Bridge Abutment - Same. Detail as other end. - Beg. curbs + Walks. + pave

Lt.                    £                    Rt.

3+66.9 = w. cb. Line 31.25

£ of 15' Rad Returns.

3+52 = opp. PC. of 15' Rad. Ret - Both Sides

3+37 = £ 8' Conc. walk on rt. - back of Reg. walk

28.25	27.64	27.07	26.59	25.84	25.90	25.61	24.37	25.05	23.43	24.07
Top	to	Top	30	12		12	30.1	Top	40	Top
gut.		= PC.	gut.	gut.			gut.	= PC.	gut.	Top

23.4 around						23.6 around				
N.W. Ret.	26.13	26.73				S.W. Ret.	25.31	25.77		
	11.7 =	Top					11.8	Top		
	£ gut.						£ = gut.			

30.6	26.77	26.67	25.95	26.15	25.73	26.03	26.30	27.6
30	20.7	Top	15		15	Top	20.6	30
	edge	= PC!	gut.		gut.	= PC!	edge	
	walk						walk	

26.50	28.20
19.4	30
Both	walk
walks	

Revised & proposed storm Drain  
between Diamond ST and  
Chalcedony-

Ref - L sheet, 6957L-

FB 2161-

W/O # 20822

5-25-53

C. Allen

D. Sisson

Schotte-

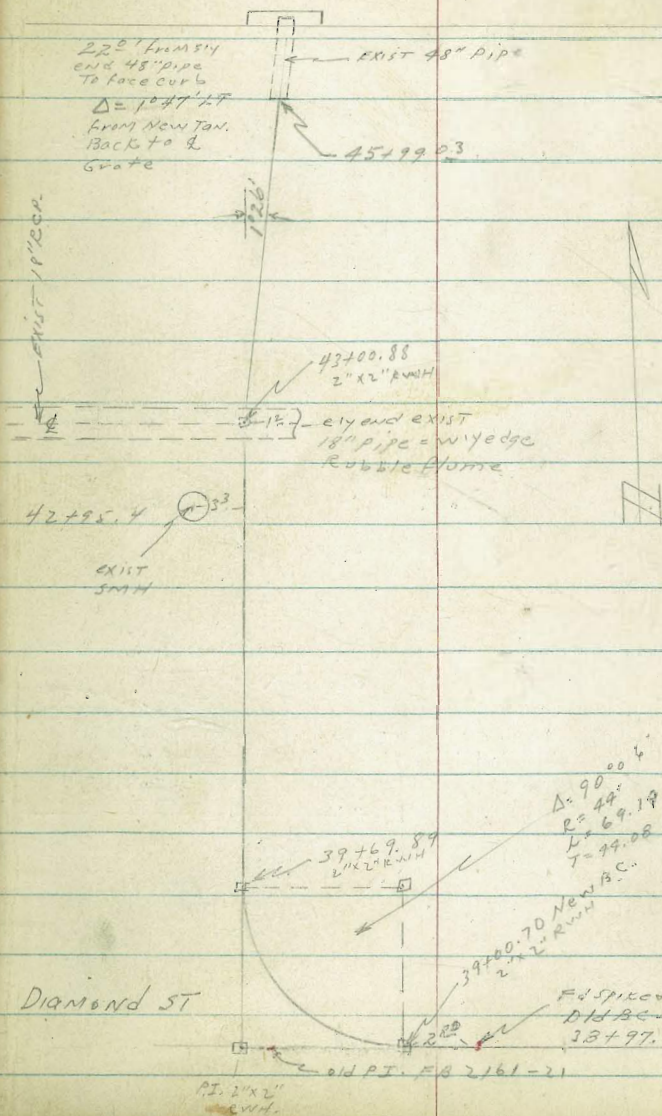
INDEXED  
JUN 1 1953  
Law

Cont page 20

Academyst

19

Chalcedony ST



Proposed storm Drain  
Chalcedony  
To Beryl  
Law ST

Proposed Drain  
in Academy ST  
Chalcedony to  
Beryl ST  
DWG - 6957+

X = Chisel Cross in PVT

FIXED

1 1953

Chalcedony  
ST

45+99.08  
Back Tangent  
Extended  
 $\Delta = 104.7^\circ$  LT

1" x 1" scale  
ON P.S.

$R = 89.5$   
 $\Delta = 23.32^\circ$   
 $L = 36.77$   
 $Ch = 36.61$   
 $T = 18.15$

45+75.79 = BC

Storm Drain Lot 18  
 $R = 89.5$   
 $\Delta = 25^\circ$   
 $Ch = 38.74$   
 $T = 39.05$   
FC LAT  
PROP BC  
LOT 18  
INC.  
LOT 19

EC = 47+14.98

BC = 46+75.93

22'

FD LAT  
PROP BC  
LOT 18  
Sta = 49+29.49

BC  
49+39.26

Academy ST

22'

22°

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

22'

Proposed s.d  
Chalcedony  
To Beryl  
55+11.84  
2" x 21" RW  
Creek L. Approx 30° RT 20

Beryl ST

Edge PVT: 54+33

37°  
8' 51"

1287°

EC = 53+83.14

$R = 89.5$   
 $\Delta = 53.24^\circ$   
 $L = 83.44$   
 $T = 46.03$

BC = 52+99.99

Lot 18

4.40' tan.

EC = 52+95.30

$R = 80.3$   
 $\Delta = 12.29^\circ$   
 $L = 175.00$

Def per foot = 2.1405  
PCC = 51+20.30

$R = 253$   
 $L = 181.04$   
 $\Delta = 41^\circ$   
Def per foot = 6.7939  
Chord for 25' = 24.99

49+38.26 = BC

Law ST

FD LAT  
PROP BC  
Sta =

22°

Academy ST

Levels for prepared storm drain  
Academy St - Chalcedony to Beryl

See sketch Page 20.

Ref. FB 2161

Dwg. 6957 L.

45+99- 4° LT= 4' wide headwall & end 48" pipe

4° RT= 4.6" Logcut Tree  
45+85 & crosses Ely Wall Drain

IN BOTTOM CONC DRAIN - Hub  
45+75.79- BC RT. A: 23° 32' 30" - See page 20

TP <sub>2</sub>	12.54	117.95 x	4.76	105.41
TP <sub>1</sub>	10.55	110.17	0.74	99.62
B.M.	9.45	100.36		90.91

For elevations of 48" pipe see FB 2161

See Smith's survey for details intersection (FB 2161)

107.09  
8.86  
4.2  
Top headwall

107.0  
9.0

105.8

107.88

12.2  
Bottom  
Ditch  
on dirt

10.07  
4" wall  
top

107.68  
10.27  
3.2  
Top Conc  
Drain  
4" wall

107.58  
10.37  
1.2  
Top Conc  
Drain  
4" wall

117.95 x

ON 2" x 2" R.W. 45+75.79 BC

2" x 2" R.W. Hub - 0400 FB 2161 page 64.



11° RT Radial = E Pvt Joint

75.43

46+12.56 = BC LT- 19° LT Radial to Curve  
= face curb at throat

46+24) & crosses E Joint

along curb line  
18° RT = N.E. COX Drive

32° LT = Wly COX Inlet throat

12° LT = E 5' x 2' G-ate for inlet.

2° LT = Fly COX Inlet throat  
also NW COX Drive

46+22.5 E crosses Sly curb line Chalcedony

46+15 = 1 LT = 10" power pipe # 2023

46+12.86 = E.C. 2' x 2' R.W. Hub

46+06 - 9° RT = SW COX CON Drive

LT = Wly

RT = Ely

22

112.08	111.30	111.48	111.35
5.87	6.65	6.47	6.60
19°	19°		11 L
CB	GUT		

111.08

6.87

111.36	110.57
6.57	7.38
32°	32°
CB	GUT

111.25

110.44

110.53

111.28

111.23

110.58

110.71

6.70	7.51	7.42	6.67	6.72	7.37	7.24
12°	12°	2°	2°	Top	GUTTER	18°
CB	Grote	GUT.	CB	CB	&	NE COX Drive

111.4

6.6

ground

111.3

111.1

111.45

6.7

6.9

6.50

10

9°  
COX Drive

117.95

LT = W 14

RT = 24

49+29.49 = Curb BC Left See page 24

150  
f curb

28  
PVT Joint

49+00

119.62  
915

TP<sub>3</sub> 10.87 128.77 0.05 117.90

128.77 x

48+50

117.75  
020

48+00

115.88  
207

47+50

114.05  
390

30  
PVT Joint

47+14.48 = EC & Curb + BC w/ curb Refun?

150  
Curb

30  
PVT Joint

112.80  
515

117.95 x

49+89.26

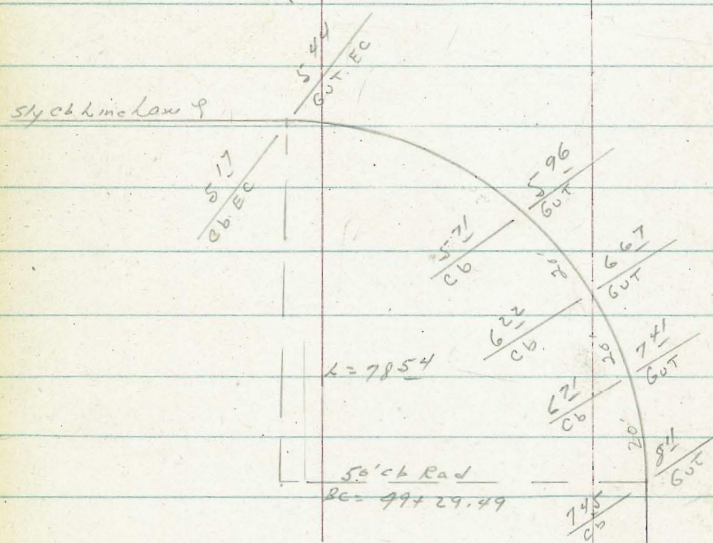
5°39.70'

49+64.26

2°49.85'

See page 20 for curve data.

49+39.26 = BC of Fly curb line Academy.



SW. Return

Academy & Law Sts

128.77 T

Fly curb line Academy.

LT = W14

E

RT = 014

24

122.36

6 91

PVT Joint 21

121.86

6 91

2 2 PVT Joint

121.12

7 65

160 CB

2 2 PVT Joint

7 12

2 12 Fly CB

7 83

2 12 GOT

128.77 T

LT = vly

Rt = vly

25

51+20.30 = P.C.C.

20°30'

125.52

3 25

PVT Joint  
30

51+14.26

19°48.95'

125.38

3 39

PVT Joint  
30

50+89.26

16°59.10'

124.81

3 26

PVT Joint  
30

50+64.26

14°09.25'

124.22

4 55

PVT Joint  
30

50+37.26

11°19.40'

123.54

5 23

30  
PVT Joint

50+14.26

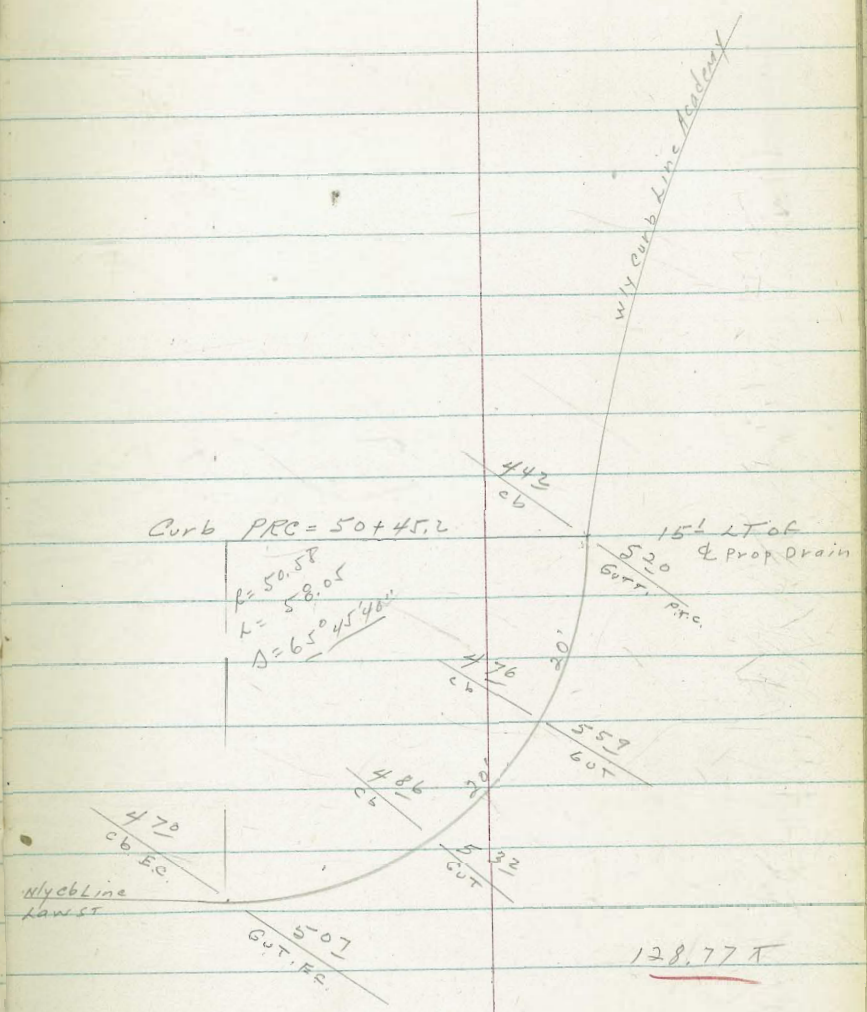
8°29.55'

122.91

5 26

2 9  
PVT Joint

128.77 π



Nwly Corc Academy + Law

128.77

Drain in Academy St Cont

LT=West & Rt=East 27

52+20.30

3°34.04'

127.97  
0 80

3 0  
PVT Joint

51+95.30

2°40.53'

127.39  
1 38

2 9  
PVT  
Joint

51+70.30

1°47.02'

126.77  
2 00

2 9  
PVT Joint

51+45.30

0°53.51'

126.14  
2 63

2 9  
PVT Joint

51+20.30 = P.C.C

125.52  
3 25

Cont from Page 25

128.77 x

See page 31

53+15-13<sup>2</sup> LT= PRC curb Return

130.80	130.18
8 <sup>83</sup>	9 <sup>45</sup>
13 <sup>2</sup> Cb	13 <sup>2</sup> GUT

129.94

9<sup>69</sup>

31  
Joint

52+99.70 = 13c to Left - see page 28 for Curve Data

129.82

9<sup>81</sup>

31  
PVT Joint

52+95.30 = F.C.

6°14.57'

129.24

10<sup>39</sup>

31  
PVT Joint

52+70.30

5°21.06'

TP4	11.00	<u>139.63</u>	0.14	128.63
-----	-------	---------------	------	--------

139.63

128.57

0<sup>20</sup>

31  
PVT Joint

52+45.30

4°27.55'

128.77

53+83.14 = E.C.

26°42'

14' Face      3' PVT Joint

131.70  
793

53+74.70

24°00' from sta 53+49.70

8'      8'69"  
13° CB      13° GUT      26' PVT Joint

131.49  
814

53+60 - proposed & Drain Crosses <sup>is 90° to Bery1.</sup> PVT Joint that

131.10  
853

53+49.70 - 10° LT= Face Curb

16°00'

131.3V      130.67      130.93  
8'31"      8'96"      8'70"  
10° Curb      10° GUT

53+24.70

8°00'00" from B.C.

12° Curb      7' PVT Joint

130.53  
910

13963



LT = Wly & RT = eL

56+50

139.5	137.7	138.2
10 <sup>±</sup>	12 <sup>0</sup>	11 <sup>5</sup>
25		25

56+00

137.1
12 <sup>6</sup>

55+50

137.6	136.3	136.8
12 <sup>L</sup>	13 <sup>L</sup>	12 <sup>9</sup>
<sup>45.0</sup> Toe creek Bank		<sup>25</sup> Toe creek Bank

55+11<sup>84</sup> L.S. approx 30° RT & intersects BOTTOM creek.

135.4	135.3	135.8
14 <sup>±</sup>	14 <sup>L</sup>	13 <sup>9</sup>
25		25

TPs 11.24 149.70 117 138.46

149.70 π

54+73<sup>14</sup> = Nly Line Beryl ST

134.2	134.5	134.7	139.1
5 <sup>L</sup>	5 <sup>L</sup>	4 <sup>9</sup>	0 <sup>5</sup>
<sup>43</sup> Bottom creek		10	50

54+33<sup>14</sup> = Nly edge pavement

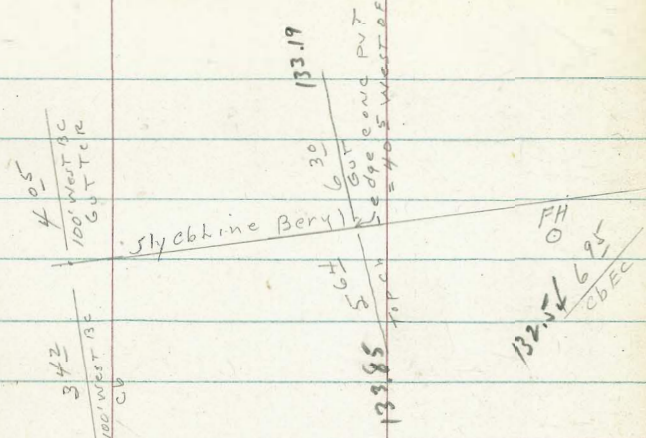
133.98	132.56	132.40	132.56	133.10	134.06	135.19
56 <sup>5</sup>	70 <sup>7</sup>	72 <sup>3</sup>	70 <sup>7</sup>	65 <sup>3</sup>	55 <sup>7</sup>	44 <sup>4</sup>
99 <sup>0</sup>	57 <sup>0</sup>	43	23		17 <sup>5</sup>	37 <sup>0</sup>
Wly edge Conc pave						Ely edge Pave

54+13<sup>3</sup> sly curb Line Beryl extended

132.55	131.98	132.01	132.73	133.60	134.87
70 <sup>8</sup>	76 <sup>5</sup>	76 <sup>2</sup>	69 <sup>0</sup>	60 <sup>3</sup>	47 <sup>6</sup>
57 <sup>0</sup>	57 <sup>0</sup>	23 <sup>0</sup>		17 <sup>5</sup>	37 <sup>0</sup>
on Wly BC 60 <sup>1</sup>					Ely edge Pave

139.6 3 π

Proposed Drain Academy ST

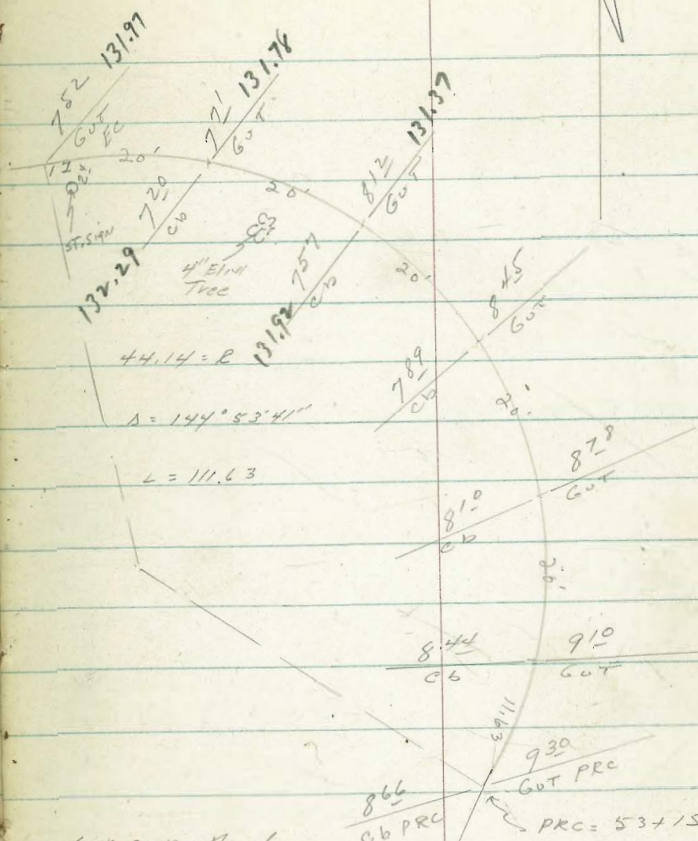


Street Sign (New style) is 17' Ely of Wly BC  
Beryl ST and 2<sup>d</sup> BACK curb face

Fire Hyd. is 5° West of Wly BC and 3<sup>d</sup> back  
face curb to & FH - 10' Hyd.

Elm tree (4" young) 31<sup>3</sup> along arc  
Ely of West BC Beryl and  
6° back of face curb

TPc 2.76 139.49 12.97 136.73



SW COR Academy  
& Beryl STs.

139.49 π  
149.70 π

## Proposed Drain in Academy Cont

12

TP<sub>11</sub> Starting BM            9.27            90.91TP<sub>10</sub>            0.95            100.58            7.64            99.63TP<sub>9</sub>            1.45            107.27            12.80            105.82TP<sub>8</sub>            0.66            118.62            14.89            117.96TP<sub>7</sub>            1.05            129.85            10.69            128.80

13.9.49 π

INDEXED

JUL 3 1953

CROSS SECTION INTERSECTION LINDA ROSA  
 AVE & LAJOLLA MESA DRIVE TOPOGRAPHIC  
 FEATURES @ EXISTING CURV HEADWALL

W.O. 21122

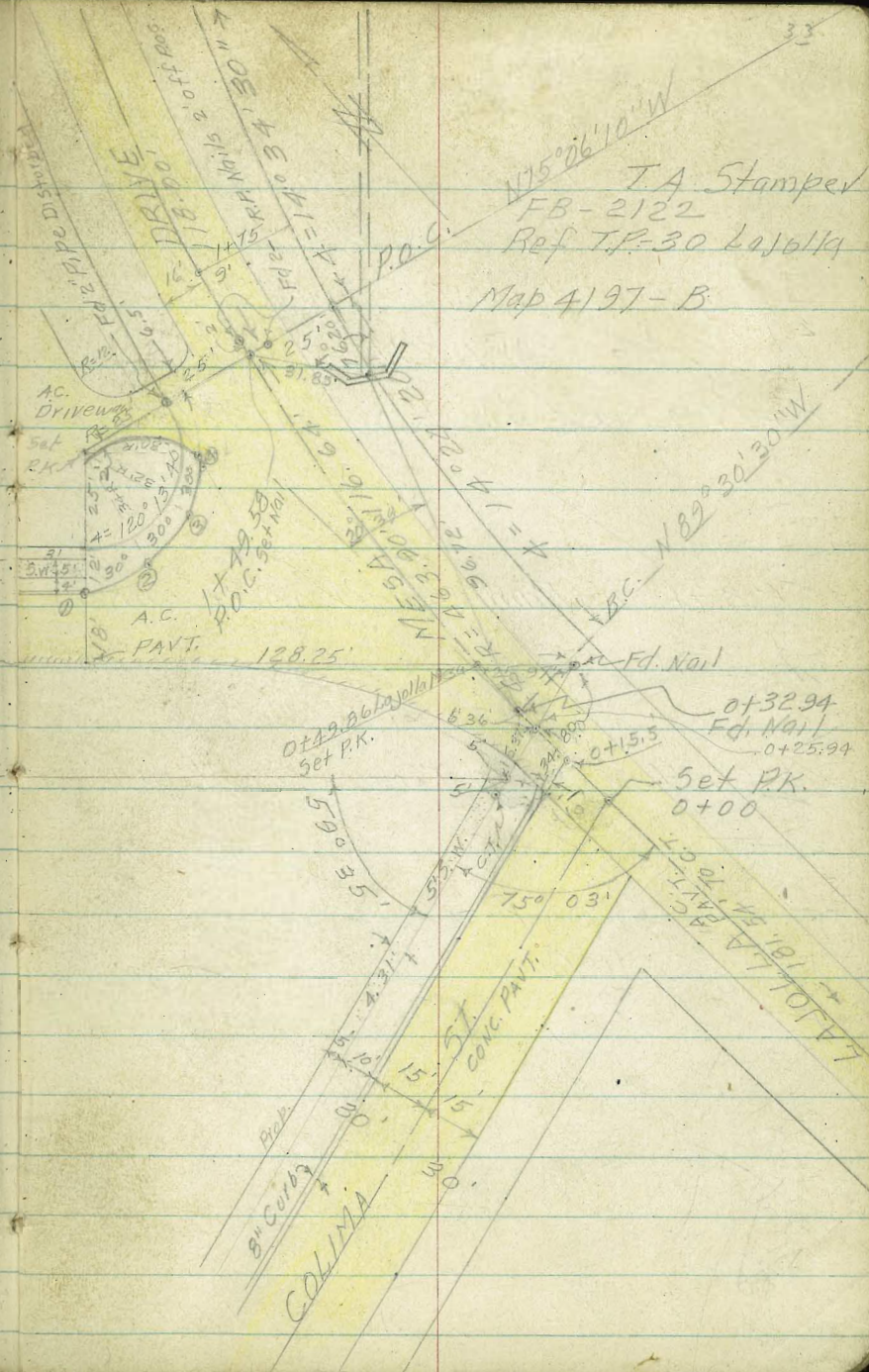
CURVE DATA

$R = 436.90$   $\Delta = 28^{\circ}38'50''$   $L = 234.64'$   $d = 3.7052$

LINDA ROSA AVE

30'  
30'

Sta	Def'd	Chord
B.C.Rt. 0+32.94	0°00'	0.0
0+49.86	1°01'35"	16.92
0+75	2°35'38"	25.14
1+00	4°08'16"	25.00
1+25	5°40'54"	25.00
P.O.C. 1+49.58	7°12'10"	24.58
1+75	8°46'10"	25.42
2+00	10°18'48"	25.00



T.A. Stamped  
 FB-2122  
 Ref. T.P. 30 Lajolla  
 Map 4197-B

0+32.94  
 Fd. Nail  
 0+25.94  
 Set P.K.  
 0+00

5' ST. CONC. PAVT.

8" CURB

COLIMA

CROSS SECTIONS OF LAJOLLA MESA

DRIVE FROM # COLIMA ST. NLY (see sketch)

Sta 0+30.7 Nly Edge S. Walk Normal To Colima

W.O. 21122

0+25.9 Sec. @ S. Walk Normal To Colima (see sketch)

0+23.3 Begin Ramp To Sing Car Gar on Rt. @ 90° To Lajolla Mesa

0+16.5 Ely End Curb Normal To Colima

0+15.5 Nly Curb Colima Normal To Colima

0+00 Sec. Normal To # Colima St. (see sketch)

B.M. 0.89 172.15 171.26

Stampen  
Rorer  
Sherry  
7-2-53  
Lt. Rt.

164.36  
7.79  
192  
TOP 5.W.  
164.44  
7.71  
192 155  
TOP 5.W.

Reduced by  
R. Barber  
7-9-53

155  
TOP 5.W.

164.92  
7.23  
393  
Cont Ramp

164.27  
7.88 8.49  
93 94  
Cb Gut  
@ Ely End

163.12 162.82 164.11 163.41 163.78  
9.03 9.73 8.04 8.74 8.47  
30 30 14.2 14.2 9.9  
Cb Gut Cb Gut  
B.C

160.76 162.83 163.34 163.59 163.63 163.57 162.80 162.55 163.55  
11.39 9.82 8.81 8.56 8.52 8.58 9.35 9.6 8.6 8.1  
50 25 9.5 3 0 7 21 24 29 38  
Edge conc. 170.15  
ER

Top of Batt. @ Ely End Curb on Ely End of Guard Rail Posts @ Lajolla Mesa & Linda Rosa

7-2-53

CROSS SEC'S LA JOLLA MESA DRIVE CONTD

574  
0+73 12" P.P. ON RT. N° 5407

0+61 ± 3' Conc Walk ON RT.

LT:                      ±                      RT

38±  
R.P. 5100  
45  
conc walk

0+50

169.75	164.95	164.25	165.52	165.09	165.95	165.59	144.95	149.35	162.55
74	77	75.50	6.63	6.31	6.20	6.56	7.20	7.8	5.6
43	35	25	10	0	4	14	22	30	40
		EP					EP		

0+36 Nly Floor Level To Sing Car Gar

171.52  
0.63  
79±  
Conc floor level

B.C. RT.  
0+32 94

164.95	144.65	164.25	164.50	165.16	165.24	165.02	164.16	163.65	164.95
77	75	79	7.65	6.99	6.91	7.13	7.99	8.3	7.2
40	28	26	14	0	1	10	22	26	39
			EP				EP		

0+31 Nly Line of Ramp To Sing Car Gar.

164.09  
7.1A  
39±  
Conc Ramp

0+29 5/4 Floor Level To Sing Car Gar

171.29  
0.66  
80  
Conc floor level

172.15

↗ 172.15

7-2-53

CROSS SECTIONS LAJOLLA MESA DRIVE CONTD

5+9

1+25

1+09 Nly Floor Level To Sing Car Gas

1+00 Sly Floor Level To Sing Car Gas on Rt

4.98 176.24

TP. 0.89 171.26

0+91 End of Ramp To Sing Car Gas on Rt

0+82 Begin Ramp to Sing Car Gas on Rt

0+75

Lt. C Rt.

167.41	169.11	169.27	168.87	169.64	169.64	168.74	169.64	172.64
8.83	7.13	6.97	7.37	6.6	6.6	7.5	6.6	2.6
31	16	0	11.5	23	31	35	57	68
			ER					

175.69

0.55  
87.2

Con floor  
Level

163.81	165.91	167.60	167.92	167.91	167.99	167.99	167.54	171.71	175.70
12.43	10.33	8.64	8.32	8.43	8.75	8.3	8.74	8.54	0.54
60	33.5	16	0	10	15.5	31	45	72	91.0
E.L. Rosa	Ely Gut	Linda Rosa			ER		Con Ramp		Con floor

176.24

167.65

4.50  
4.53

Conc Ramp

167.71

4.44  
4.80

Conc Ramp

163.65	163.75	164.70	165.84	166.48	166.79	166.91	166.53	165.85	166.75
8.5	8.4	7.45	6.31	5.67	5.36	5.24	5.62	6.3	5.4
66	56	43	22	12	0	8	19	30	40
		ER					ER		

172.15

7-2-53

CROSS SECTIONS LA JOLLA MESA DRIVE CONTD

LT.                      &                      RT.

NOTE: For x-sec's from La Jolla Mesa Dr. To End forward 5ft. along Linda Rosa Sec F.B. 2122 (Barrett)

Sta

T.P.M.

2+00

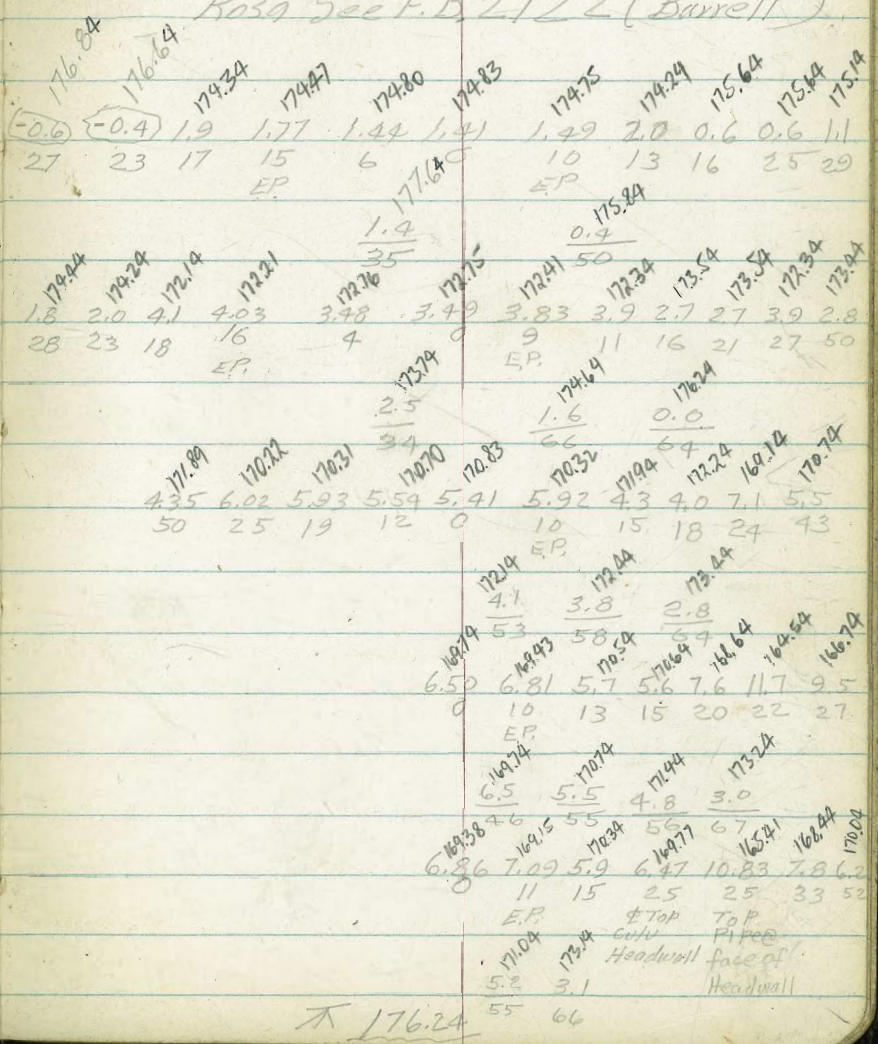
1+75

P.O.C.

1+49.58

1+33 Sec @ Nly End of Wly Culv. Wing Wall

1+27 Sec @ & Culv. Headwall



176.24



N.W. RETURN LAJOLLA MESA &  
LINDA ROSA (SEE SKETCH)

7-2-53

Sta + H.I. - Elev.

INDEXED  
JUL 3 1953

B.M.		4.98	171.26	
4		7.33	168.91	Gut on Driveway
③		9.50	166.74	Edge Post
②		11.88	164.36	Edge Post
①		12.89	163.40	S.W. N1/4
①		12.88	163.36	S.W. W1/4
①		13.00	163.24	cb
①	176.24	13.55	162.69	Gut

Roberts  
Cota  
Moore  
Wardle  
8-14-53  
WD. 32288

# Survey For Proposed Storm Drain at City Yards Switzer Creek Drain

B Street: ca

28 Street  
52 Roadway  
Curb Paving  
76 Comb. Cut & Paving North Side

Set Chisel Cross  
0+00  
E. Line 19th

M.H. at 90° to Sta. 0+02.46  
23.05 Ft of Line

INDEXED  
SEP 3 1953

M.H. at 90° to Sta. 0+60.31  
293.4' Lt. of Line

West Face of Ret. Wall

Ret. Wall curves to 2" Curb.

EC. 3+74.57 S. of R.K.

BC. 2+77.67 S. of R.K.  
Rad. = 100'  
D = 24.52°  
T = 77.22'  
L = 124.98'

9.02' on the  
Semi-Tan

Pl. Set Chisel Cross

56.27' ahead BC. Set Pk.  
26.84' ahead BC. Set Chisel Cross

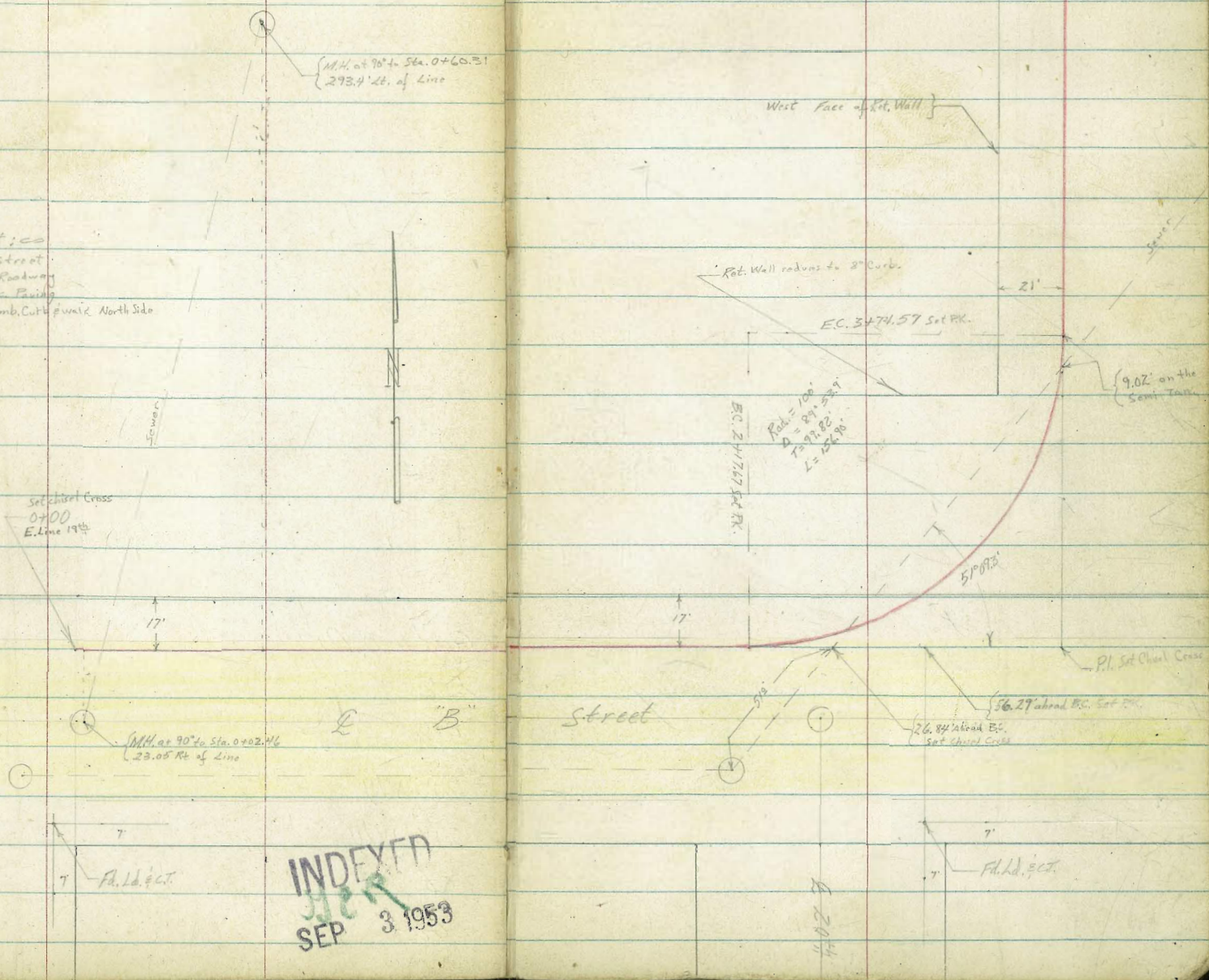
Street

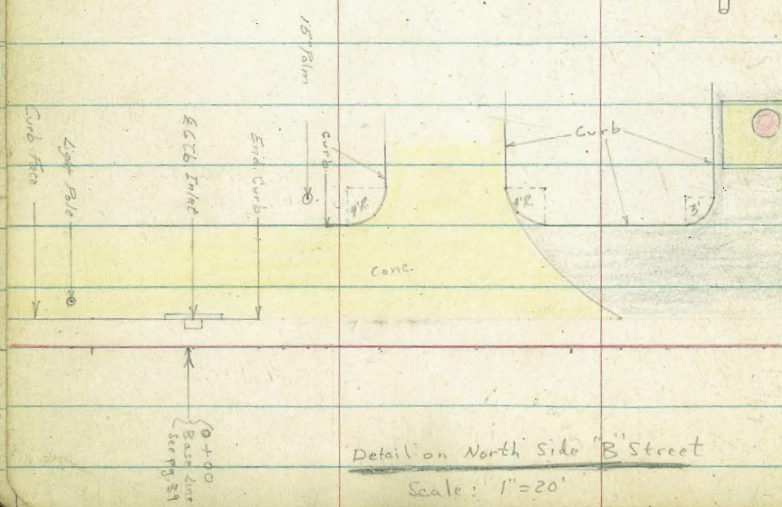
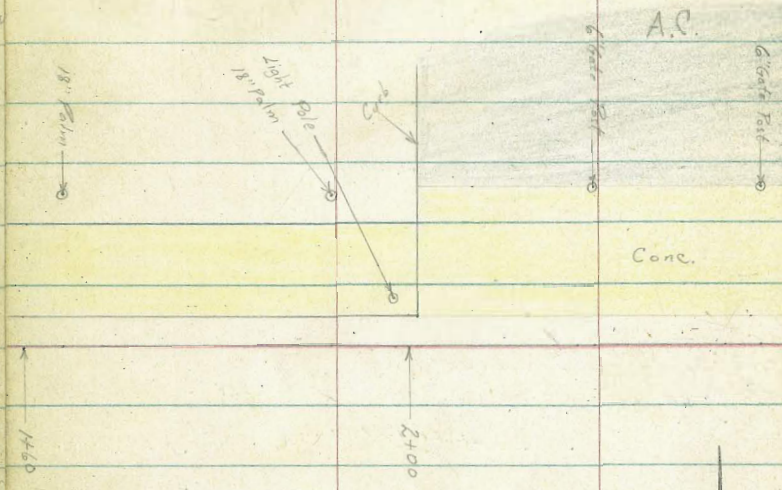
4618

4024

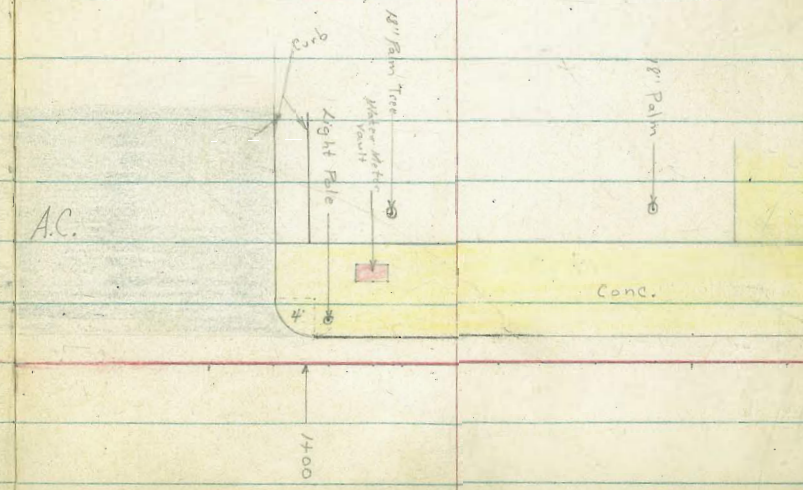
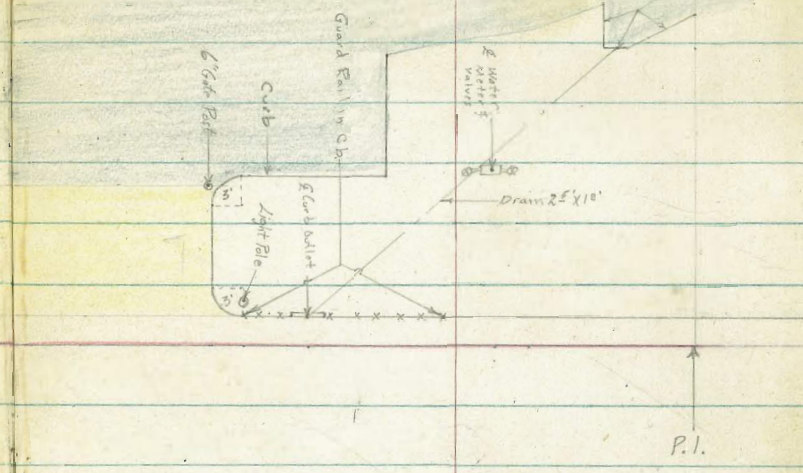
7' F.H.D. E.C.T.

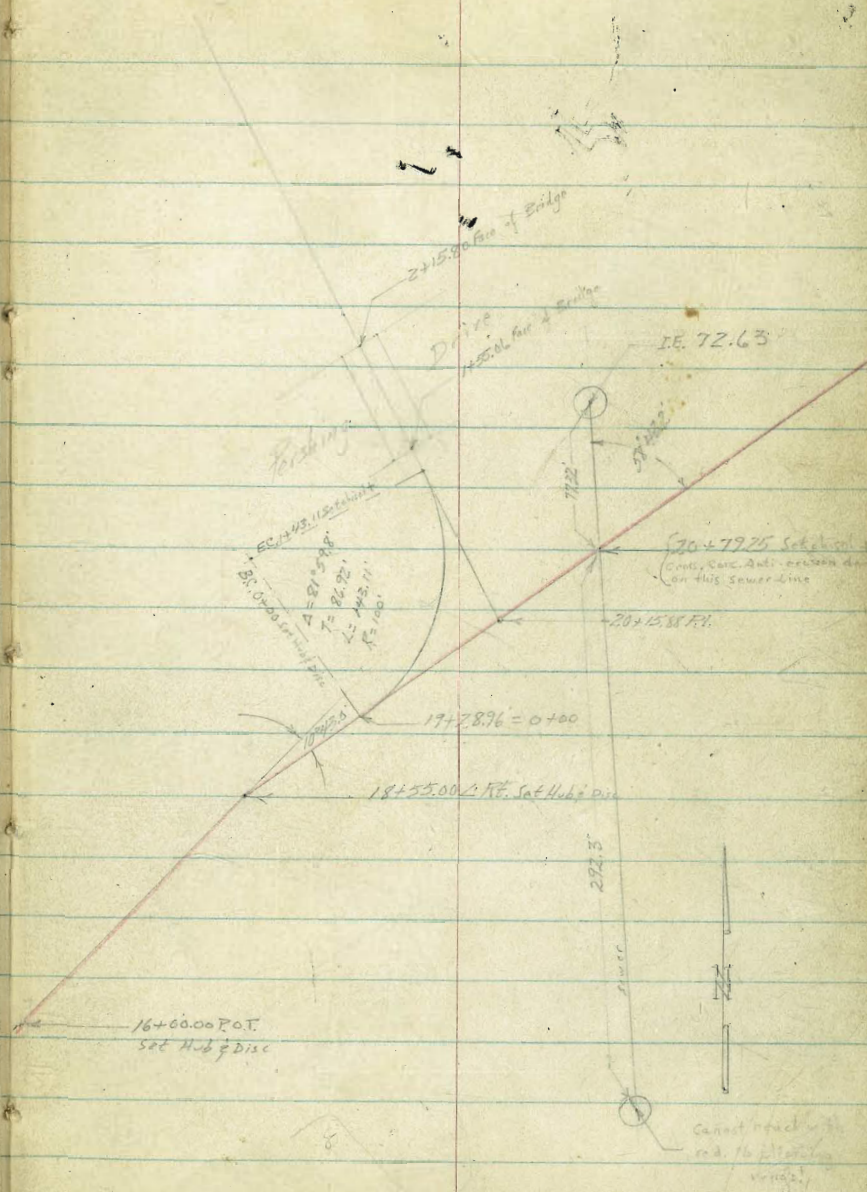
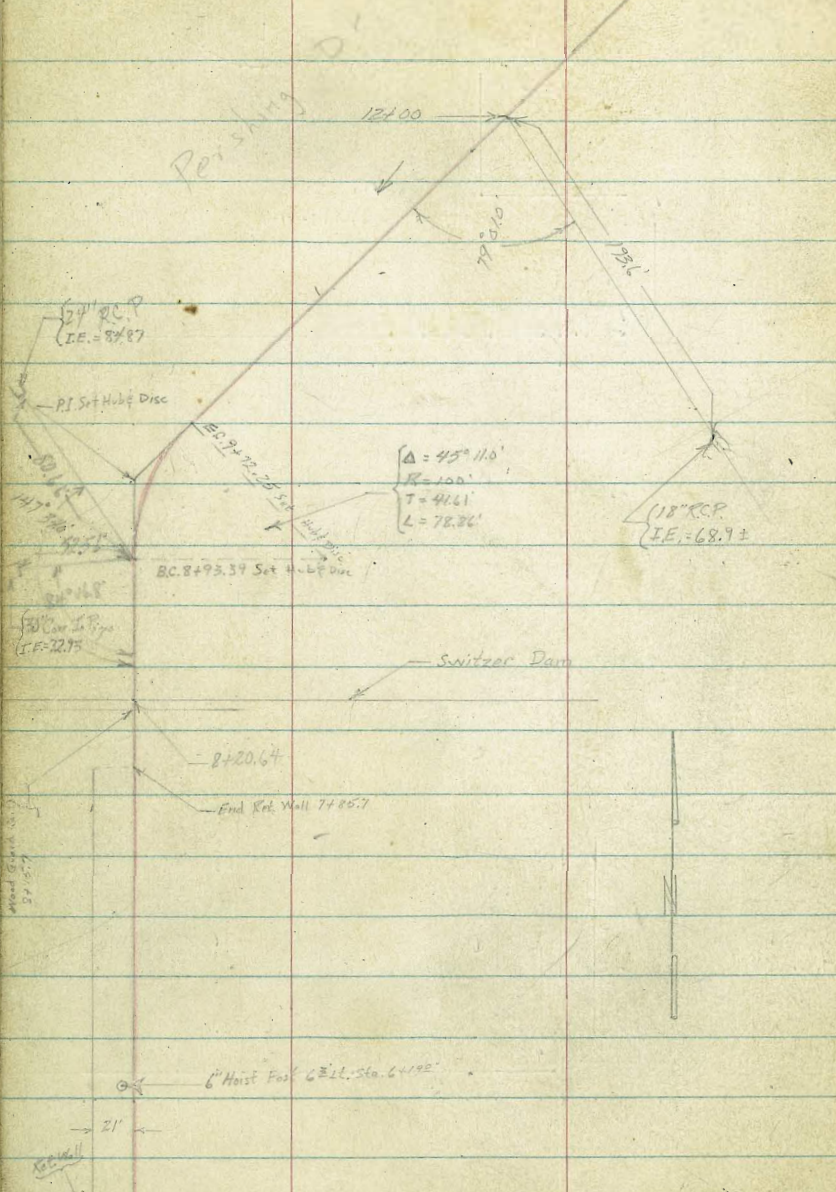
7' F.H.D. E.C.T.





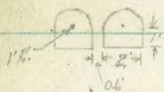
Detail on North Side "B" Street  
Scale: 1"=20'



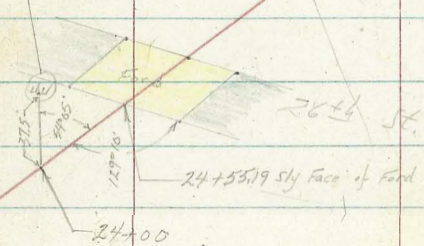


Cannot reach  
red 16' station  
vertical

Outlet of  
Double barrel Culvert I.E. 85.44



San Diego Municipal Golf Course



7+85.7

42

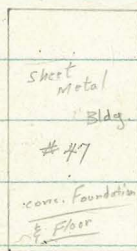
Bldg. #33

conc. Ramp

7+45.4

2

Steel Storage



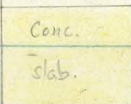
7+45  
7+23  
7+10

conc. curb.

6+75  
6+72.3  
6+69

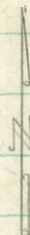
Qty. face Ret. Wall

Steel Plate Storage Racks



7+20

Detail Scale 1"=20'



Pershing

Drive

Face of Bridge

Rough

Concrete

Spillway

Pi. 20+15.88

Detail Scale: 1" = 20'

See Sewer See page 41

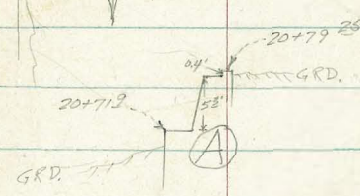
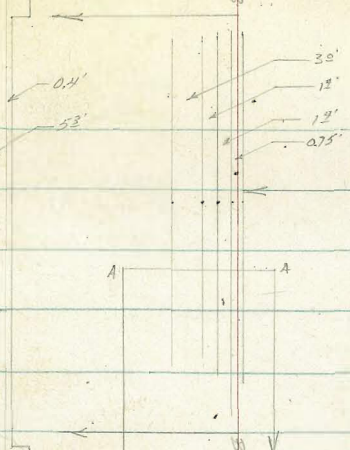
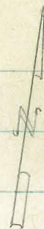
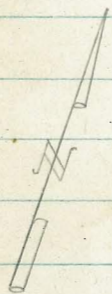
Top View

20+79.25 & SEWER

GRD.

GRD.

Detail Sketch of Anti-erosion Pier at Sta. 20+79.25



Contd from Page 43

Lt

Q

Rt

44

0+96.6

64.20	65.88	64.04	63.91	63.29	63.42	64.21
6.52	6.84	6.68	6.71	7.43	7.30	6.51
15	15	7	7	3		15
cb	cut	cb	cut			

0+50

63.42	63.11	62.64	62.32	62.48	62.13
7.3	7.61	8.68	8.40	8.24	7.59
15	12.5	12.5	3		15
	cb	cut	cut		

0+07.5

End Curb on Lt.

63.02	62.34	62.14	61.37	61.51	62.17
7.7	8.34	8.58	7.35	9.21	8.55
15	12.3	3	3		15
	work	cb	cut		

0+02.46

230° Rt Sewer MH

53.21

17.51

2.30

INVERT

0+00.6

Q 6' Curb inlet on Lt

59.17	54.82
11.53	15.90
3	1
Invert	Invert
Box	Outlet
	Pipe

0+00

East Line 19th Street

62.72	62.27	62.10	61.30	61.40	62.06
8.0	8.45	8.62	9.42	9.32	8.66
15	12.5	3	3		15
	work	cb	cut		

0-17

40° Rt Sewer MH

Couldnt open MH.

BM

0.49 70.72 X

70.23 SEBP 20th St B

70.72 X

2+36.5 25<sup>th</sup> Rt Sewer MH

62.36  
8.36  
252  
INVERT

2+17.67 BC.

66.49  
65.49  
423  
15

66.19  
453  
3

66.25  
447

67.19  
353  
15

2+12 40 Rt. Sewer MH

59.01  
11.71  
40  
INVERT

2+00<sup>9</sup>

66.24  
444  
15  
cb

65.92  
480  
15  
Gut

66.02  
470  
3  
cb

65.57  
515  
3  
Gut

65.41  
491

66.69  
403  
15

1+50

65.26  
546  
15

65.21  
551  
12E

65.01  
571  
3  
cb

64.45  
627  
3  
Gut

64.66  
606

65.51  
521  
15

1+00<sup>c</sup>

64.32  
64  
15

64.22  
650  
12E  
walk

64.04  
668  
3  
cb

63.39  
733  
3  
Gut

63.50  
722

64.25  
647  
15



## STORM DRAIN CITY YARDS (CONT'D)

LT.

#

RT.

#46

2+91.5 Cross Curb

68.81	68.24
1.91	2.48
cb	Gut

2+77.5 Cross Curb

68.09	68.53
2.63	2.19
Gut	cb

2+75 Cross Fence

67.70	67.85	69.46	69.62	69.52
3.02	2.87	2.26	2.1	1.2
15	16	16		15
	Gut	cb		

2+72.5 13" RT &amp; Curb outlet

67.78
2.94
13"
INVERT

2+69.3 Cross Curb

68.28	67.74
2.44	2.98
cb	Gut

2+50

67.36	67.19	67.75
3.37	3.53	2.97
15		15

70.72 H.I.

70.72 H.I.

4+00

24<sup>o</sup> Lt. to Bldg.  
29<sup>o</sup> Rt. to Bldg.

11.00	71.13	71.00	70.70	71.11
5.50	5.37	5.50	5.80	5.39
15	5		7	15

3+74.57 EC.

5<sup>o</sup> Jo. of EC. on Semistar. } 29<sup>o</sup> Rt begin Bldg.  
23<sup>o</sup> Lt begin Bldg.

67.40	71.41	70.71	70.85	70.78	70.49	71.00
9.10	5.09	5.79	5.65	5.72	6.01	5.50
21	20	20	6		7	15
Bottom	Top					

3+56 17<sup>o</sup> Lt begin Ret. Wall

66.50	71.36	70.42	70.82	70.66	70.24	70.38
8.0	5.14	6.08	5.68	5.84	6.26	6.12
19 <sup>o</sup>	17 <sup>o</sup>	17 <sup>o</sup>	3		9	15
Bottom	Top	GRD				

3+25

69.91	70.47	70.47	70.49	69.64
6.59	6.03	6.03	6.01	6.86
19	10		9	18

3+10.5

15.8 Rt Inlet Drain

69.04  
7.46  
15.8  
INVERT

T.P.

61.7

76.50<sup>✓</sup> T

0.39

70.33<sup>✓</sup>76.50<sup>✓</sup> T

3+00

68.51	69.62	70.42	70.80
2.21	1.1	0.3	4.08
15		6	15

76.72 T

70.72 T

Contd. From Page 47

Lt

E

Rt

48

6+50

66.37	73.46	71.19	73.36	73.13	73.32
13.62	6.13	6.8	6.63	6.86	6.67
21	20.4	20.4		10	15
Bottom	Top	GRD			
	Wall				

6+05<sup>E</sup>

1.2<sup>E</sup> Lt & conc. Steps 7<sup>E</sup> wide

65.39	66.40	67.49	73.44
14.6	13.59	13.53	6.55
24	21	21	1.2 <sup>E</sup>
Bldg Floor	Bottom	Bottom	Top
	For Drainage	Step	Step
	Side		conc.

T.P.

6.68

77.99<sup>✓</sup> X

3.19

73.31<sup>✓</sup>

78.99<sup>✓</sup> X

6+00

73.30	72.83	72.61	72.81
3.20	3.67	3.89	3.67
15		9	15

5+50

72.25	72.34	72.32	72.57
4.25	4.16	4.18	3.93
15		8	15

5+00

71.90	71.97	71.74	72.05
4.60	4.53	4.76	4.45
15		8	15

4+50

71.27	71.40	71.31	71.59
5.23	5.10	5.19	4.91
15		8	15

4+30

29<sup>E</sup> Rt End bldg begin parking shed

76.50<sup>✓</sup> X

76.50<sup>✓</sup> X

7+13<sup>I</sup> £ Leaves Curb

73.92 74.69  
6.07 5.30  
Gut cb

7+12<sup>8</sup> £ Hits Curbing

74.69 73.93  
5.30 6.06  
cb Gut

7+10 29<sup>2</sup> Rt End parking shed

7+00

73.69 73.69 73.69 74.40 74.40 73.69 73.33 73.69  
6.3 6.3 6.3 5.30 5.50 6.30 6.46 6.30  
52 0.3 0.3 1 1 11 15  
Gut cb cb Gut

6+75 5<sup>8</sup> 24 begin bldg.

74.10 73.30  
5.87 66  
58 58  
Cone GRD  
Floor

6+71<sup>6</sup> £ Leaves curb

73.50 74.18  
6.49 5.81  
Gut cb

6+70<sup>6</sup> £ Hits Curbing

74.18 73.37  
5.87 6.62  
cb Gut

7+8405

74.39  
5.6  
1575.49  
4.577.19  
2.8  
15

7+71.5 on Roadway

74.69  
5.3  
1575.99  
4.077.49  
2.5  
15

7+89

76.89  
3.1  
1577.69  
2.377.59  
24.376.89  
3.076.99  
1.978.09  
1.578.49  
15

7+81

74.39  
5.6  
1574.29  
5.774.89  
5.172.89  
7.110E  
GRD10E  
Bot  
Fdn.

7+554 10E Rt begin Bldg

74.46  
1.53  
10E  
Floor72.79  
7.2  
10E  
Fgt

Foundation

7+454 10E Rt begin Conc. Loading Ramp

65.91  
14.08  
21  
Bottom74.66  
5.32  
20E  
Top  
Wall73.99  
6.0  
20E  
GRD74.31  
5.6874.29  
5.7  
10E  
GRD74.35  
1.64  
10E  
Top  
Ramp

7+38 237 L End bldg.

79.99 X

79.99 X

8193.39 B.C.

17.70				
<del>47.70</del>	44.20	63.20	62.90	62.30
+5.8	85	95	98	10.4
60	33	17		65

8165

70.70	63.40	62.60	62.10	66.10	67.60
2.0	73	10.1	10.6	6.6	3.1
83	63		29	44	62

8140 Ground meets sloping dam face.

71.30	60.06	61.40	62.40	62.60	64.50	71.10
1.4	12.64	113	10.3	10.1	8.2	1.6
88	63	53		8	28	50
	INVERT					
	CULVERT					

T.P.

5.28

72.70 ✓

12.57

67.42 ✓

72.70 ✓

8120.64 Face Switzer Dam

75.60	75.67	75.71
439	432	428
15		15

8117

74.79	76.09	77.49
2.2	3.1	2.5
15		15

12+00

80.32  
~~64.37~~  
 +8.0 25 52 6.3 9.3 9.0 7.2 43.3  
 35 16 12 20 90 185 202  
 NOT  
 TOP

T.P.

718 72.32 H.I. 756 65.14

72.32 H.I.

11+00

80.00  
~~65.00~~  
 +7.3 8.0 8.1 9.5 10.0 9.0 2.5 7.9  
 29 8 14 18 150 167 231  
 NOT  
 TOP

10+63, 10° LT, CENTER RP# C 1445

10+00

83.20  
~~67.20~~  
 +10.5 8.8 8.7 10.5 10.6 10.7 5.8 3.4  
 31 9 14 57 108 125 187  
 NOT  
 TOP

9+72.25 E.C.

81.70  
~~67.70~~  
 +9.0 0.0 8.0 8.7 9.9 10.3 5.3 3.8  
 31 22 7 15 100 116 167  
 NOT  
 TOP

9+58, 5° RT, CENTER 18" EUC. TREE

MID POINT CURVE

77.20  
~~67.20~~  
 +5.0 8.8 9.2 10.6 10.4  
 35 12 20 60  
 NOT  
 TOP

72.70 H.I.

72.70 H.I.

16400

~~40.59~~  
~~71.59~~ 77.99 75.89 75.09 75.09 72.69 64.79 64.79 65.09 72.09  
 17.5 11 32 10 10 6.7 14.3 14.3 14.0 +6.0  
 31 25 15 5 11 21 116 205 215  
 OK  
 TOP

15415, 19<sup>th</sup> LT, CENTER PP# 1505

15400

88.09  
~~70.09~~ 74.19 74.19 74.1 70.79 63.99 63.99 64.89  
 19.0 49 49 5.0 8.3 15.1 15.3 14.2  
 35 12 8 18 27 125 219  
 OK  
 TOP

14400

Has → ?  
 to  
 be  
 OK  
 96.09  
~~72.09~~ 74.19 73.29 72.99 64.49 63.69 64.09 70.99 73.09  
 70 49 58 6.1 14.6 15.4 15.0 8.1 21.0  
 30 11 8 24 135 218 216 264  
 NOT  
 TOP

13483, 16<sup>th</sup> LT, PP# C1485

T.P. 7.19 79.09 4.1 0.42 71.90

79.09 4.1

13400

80.42  
~~72.42~~ 70.52 70.52 70.32 63.62 64.02 64.72 70.32  
 18 18 1.8 2.0 8.7 8.3 7.6 14.0  
 28 10 6 24 111 206 241  
 NOT  
 TOP

12421, 13<sup>th</sup> LT, CENTER PP# C1465

72.32 4.1

72.32 4.1



1-SIC. CITY YARDS (CONT'D.)

LT.

RT.

54

T.P. 8.89 79.31 4.1 12.12 70.42

19475

74.74 70.04 66.74 66.24 62.34 93.54  
 7.8 12.5 15.8 16.3 14.2 16.0  
 20 5 22 96 132

19400

84.54 79.54 77.44 76.24 64.74 66.44 66.14  
 +2.0 3.0 5.1 6.3 11.8 16.1 16.4  
 53 41 25 8 10E 55 134  
 TOP TOE

18462, 28° LT; CENTER P.P.# C1549

18455° ANGLE PT. RT. (SECTION TAKEN FT. ANGLES TO BACKLINE)

46.24 79.84 77.64 77.64 64.94 66.24 67.34  
 127 27 19 19 17.6 16.3 15.2  
 12 35 4 9 95 175  
 TOE

18400

85.54 77.24 75.64 65.14 64.94 66.54 87.84  
 +3.0 5.3 6.9 11.2 17.6 16.0 +5.3  
 43 33 8 92 188 215  
 TOP

T.P. 5.50 82.54 4.1 205 77.04

82.54 4.1

17406, 22° LT, CENTER P.P.# C1525

17400

44 79  
 71.39 78.09 77.09 77.09 76.09 64.99 67.89 64.49 66.69  
 +7.7 1.0 2.0 2.0 3.0 14.1 14.2 14.6 12.4  
 39 25 17 1 12 106 165 192  
 TOP TOE

79.09 4.1

79.09 4.1

STILL IN PROCESS OF FILLING  
 ON RIGHT IN THIS AREA

LT.

±

RT.

20+53

79.41 79.51 75.31 68.21 66.01 66.91 67.91 71.81 72.81 87.31  
 +0.5 10.2 10.1 11 13.3 12.4 11.4 7.5 6.5 +8.0  
 35 21 13 11 4 14 18 30 60  
 TOP TOP

20+43

79.51 79.21 71.01 66.71 66.71 67.01 67.91 78.21  
 +0.2 0.1 8.3 12.6 12.6 12.3 11.4 1.1  
 30 17 5 3 10 21 36  
 TOP TOP

20+17

69.04 69.44 67.87 66.81 66.31 66.81 79.31  
 10.27 9.87 11.44 12.5 13.0 12.5 0.0  
 25 14 1 12 22 41  
 SPILL - WAY TOP

20+00

68.7 ~ 67.67 69.01 66.31 66.91 80.31  
 10.59 11.62 12.3 13.0 12.7 +1.0  
 25 3 14 28 49  
 SPILL WAY TOP

19+91

68.90 67.75 66.71 66.71 72.01  
 10.41 11.56 12.4 12.6 7.3  
 25 10 34 55  
 ON CONC. SPILL-  
 WAY

79.31 #1

79.31 #1

LT.

RT.

22+25

84.71	77.01	75.81	76.41	74.01	78.61	88.01
+5.4	2.3	3.5	2.9	1.3	0.7	+8.7
32	29	23	15		8	18
TOP						TOP

22+00

83.61	83.61	75.61	75.81	77.51	77.61	87.71
+4.3	+4.3	3.7	3.5	1.8	1.7	+8.4
37	27	22	14		5	18
						TOP

21+50

81.11	82.71	82.71	75.31	75.71	76.11	87.61
+1.8	+3.4	+3.4	4.0	3.6	3.2	+8.3
40	34	24	16		9	24
		TOP				TOP

21+00

79.71	74.81	74.71	75.01	88.61
+0.2	1.5	4.6	4.3	+9.3
29	6		19	37
				TOP

20+79.25 @ SEWER ON TOP OF DAM

79.81	78.41	77.08	75.31	75.31	75.22	76.21	77.14	78.91
+0.5	0.90	2.23	4.00	4.00	4.09	3.1	2.17	0.2
37	26	6.7	6.6		22	25	37.7	10
GRD.	END DAM				DAM	DIRT.	DAM	DIRT.

SECTIONS TAKEN PARALLEL TO  
SEWER LINE & DAM

20+71.9 BEGIN ANTI-EROSION DAM. SEE SKETCH  
PAGE 13

80.31	76.91	69.06	69.01	66.71	69.06	66.71	69.06	69.41
+1.0	2.4	10.25	10.3	12.1	10.25	12.6	10.25	9.9
31	19	14	12	GRD.	TOP	14	14	26
GRD. (TOP)	GRD.	TOP	GRD.	GRD.	TOP	GRD.	TOP	GRD.
		BASE			BASE		BASE	

79.31 H.I.

79.31 H.I.

LT.

RT.

85.67 92.67  
0.9 +6.1  
37 40

24+17

85.27 89.57 88.57 83.17 83.07 83.57 83.77 89.87 90.57  
1.3 +2.0 +2.0 3.4 3.5 3.0 2.8 +3.3 +4.0  
25 19 15 14 7 3 13 23

24+10

92.07 85.67 84.17 82.57 82.47 84.37 83.67 90.27 90.57  
+5.5 0.9 2.1 4.0 4.1 3.2 2.9 +3.7 +4.0  
40 35 23 20 9 3 12 22

24+00

92.07 91.57 81.47 81.67 82.67 82.97 89.07 90.07  
+5.5 +5.0 5.1 4.9 3.9 3.6 +2.5 +3.5  
44 34 29 12 3 12 25

23+50

89.57 89.27 78.27 78.97 80.77 81.07 88.07 88.57  
+3.0 +2.7 8.3 7.6 5.8 5.5 +1.5 +2.0  
41 31 25 11 4 14 25

23+00

86.57 86.57 77.07 77.87 79.27 80.37 84.97 85.47  
0.0 0.0 9.5 8.7 7.3 6.2 1.6 1.1  
42 32 23 10 5 15 25

22+33

84.57 84.57 77.07 75.97 76.37 79.27 81.97 81.87 88.57  
2.0 2.0 9.5 10.6 8.2 7.3 4.7 4.7 +2.0  
45 3A 31 20 12 20 27 35

T.P. 8.49 86.57 H.1. 123 78.08

86.57 H.1.

79.31 X

LT.

RT.

24+55.19 END COBBLE SPILLWAY, BEGIN CONC.  
FORD. LINE CROSSES FENCE HERE

91.65	91.65	91.23	91.41	91.09	90.73	89.15	90.94	91.52
1.26	1.26	1.68	3.50	3.82	2.18	3.71	1.97	1.39
30	30	22	22	SPILL	FORD	18	18	30
FORD	SPRNY.	FORD	SPRNY.	WAY	FORD	SPRNY.	FORD	FORD
END								SPRNY

24+46.3 BEGIN ROUGH COBBLESTONE  
SPILLWAY

91.70	91.61	87.97	87.89	87.87	87.91	90.94
1.21	1.30	4.91	5.02	5.04	5.00	1.97
22	15	10		16	24	30.5
END						END
COBBLES						COBBLE

24+46.2 END ROUGH CONC. SPILLWAY

91.71	88.61	96.27	95.86	85.95	87.91	90.91
1.2	4.30	6.64	7.05	6.96	5.00	2.0
22	15	10		16	24	31
DIRT						DIRT

24+39 BEGIN ROUGH CONC. SPILLWAY

88.81	86.33	94.99	94.38	94.48	87.47	91.71
4.1	6.58	7.92	8.53	8.03	5.44	1.2
12	9	6		21	27	32
DIRT	END				END	DIRT
	CONC.				CONC.	

24+32

92.91	92.31	87.71	84.81	84.41	84.71	90.41	90.91
0.0	0.6	5.2	8.1	8.5	8.2	2.5	2.0
29.5	16	8	6		6	13	10
FENCE							

T.P. 7.63 92.91 H.I. 1.29 85.28

92.91 H.I.

24+21

92.57	89.37	93.37	93.67	93.87	90.57	90.57
16.0	1.28	3.2	2.9	2.7	4.0	4.0
25	13	12		3	13	23

86.57 H.I.

86.57 H.I.

SECTIONS TAKEN PARALLEL TO FORD

LT.

¢

RT.

26+00

91.91	90.91	93.31	94.61
1.0	2.0	92.51	91.21
30	18	+0.4	11.7
			30

25+50

97.91	92.81	91.91	89.91	91.91	92.21	93.31	93.81
87.91						92.51	92.01
15.0	0.1	1.0	3.0	1.0	0.7	+0.8	+0.9
20	27	20	10	4		10	30

25+25

92.91	89.71	89.81	90.91	92.21	93.41
0.0	3.2	3.1	2.0	0.7	92.41
20	8	3		6	+0.5
					30

25+10.8 35 LT. CENTER 30" RCP OUTLET

86.60  
6.31  
3.5  
INVERT

25+00.9 @ CROSSES CENTER OF DOUBLE BARREL CULVERT-INLET

86 52  
6.39  
INVERT

2A+9A.6 END FORD

SECTIONS TAKEN PARALLEL TO FORD

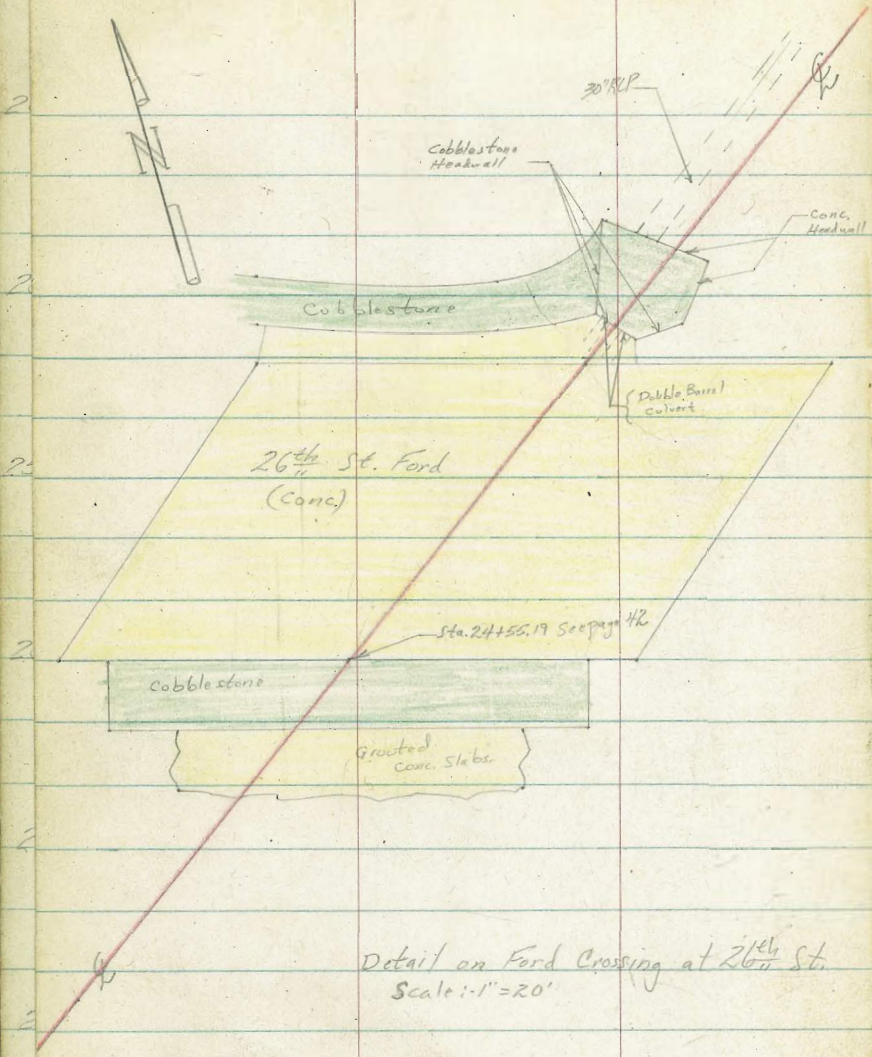
2A+55.5 LINE CROSSES METAL RAILING

91.43	90.74	90.67	90.68	91.36
1.8	2.17	2.24	2.23	1.35
3A.5	20		10	25.5
END				END

Checked reduction  
1998 6/29/60

92.91 H.1

92.91 H.1



Detail on Ford Crossing at 26<sup>th</sup> St.  
Scale: 1" = 20'

T.P.	12.49	82.92 ✓	985.70 ✓	83
T.P.	024	80.78 ✓	1287	80.04 ✓

Cont'd From Page 60  
Branch Line to Perching Dr. Bridge

Lt

2

Rt 61

0+93.5

79.92	78.32	73.52	73.2	70.92	69.42	69.42	79.22
3.0	4.6	9.4	9.7	12.0	13.5	13.5	3.7
25	12	3	709	Bottom	10	20	32

0+87

79.42	78.92	76.22	71.22	69.82	69.22	69.32	75.42
3.5	4.0	6.7	11.7	13.1	13.7	13.6	7.5
25	12	6	6		6	23	31

0+75

78.92	78.62	70.12	69.32	68.42
4.0	4.3	12.8	13.6	14.5
25	14		2	25

0+50

77.52	75.32	72.12	67.02	66.62
5.4	7.6	10.8	15.9	16.3
25	10		12	25

0+25

75.72	73.12	67.92	66.82	66.52
7.2	9.8	15.0	16.1	16.4
25	11		5	25

0+00 = 19+28.96 Main Line BC Branch Line

77.22	76.22	75.32	66.42	65.92	66.02
5.7	6.7	7.6	16.5	17.0	16.9
25	18	9		11	25

82.92↑

82.92↑



Cont'd From Page 61

2+15.80 Nly Face of Bridge (Section Parallel to Bridge)

T.P. 5.96 81.64  $\nabla$  72.4 75.68

1+55.06 Face Bridge (Section Parallel to Bridge)

1+43.11 E.C.  
11.95

1+33  $\nabla$  Crosses Fence with water lift gate.

1+25 10<sup>2</sup> RT to G.P.P. # C1565

1+13

1+08

82.92  $\nabla$

Lt

$\nabla$

Rt

62

68.4	78.54	78.44					
115	31	32	30	50	39	18	83.44
112	11	6	4		11	16	

81.64  $\nabla$

61.0 $\nabla$	77.4 $\nabla$	75.4 $\nabla$	76.2 $\nabla$	75.5 $\nabla$	76.3 $\nabla$	77.4 $\nabla$	79.7 $\nabla$	81.1 $\nabla$	83.9 $\nabla$
1.9	5.5	7.5	6.7	7.4	6.6	5.5	4.2	1.8	1.0
112	11	11	6	7	6	6	11	11	16
	Top	Bot	Top	Bot	Top	Bot			

84.2 $\nabla$	79.2 $\nabla$	75.5 $\nabla$	74.8 $\nabla$	74.9 $\nabla$	85.5 $\nabla$
11.3	3.7	7.4	8.1	8.0	12.6
19.	18	13.		5	24

80.0 $\nabla$	77.0 $\nabla$	75.4 $\nabla$	75.5 $\nabla$	74.4 $\nabla$	77.7 $\nabla$	80.0 $\nabla$	81.1 $\nabla$
2.9	5.9	7.5	7.4	8.5	8.2	2.9	1.8
25	17	15	10		4	13	25

78.8 $\nabla$	76.7 $\nabla$	74.9 $\nabla$	74.5 $\nabla$	74.0 $\nabla$	74.2 $\nabla$	79.4 $\nabla$	80.2 $\nabla$
4.1	6.2	8.0	8.4	8.9	8.8	3.5	2.7
25	19	17	8		2	15	25

79.4 $\nabla$	76.6 $\nabla$	75.2 $\nabla$	74.2 $\nabla$	73.9 $\nabla$	73.8 $\nabla$	77.3 $\nabla$	72.5 $\nabla$	79.4 $\nabla$
3.5	6.3	7.7	8.7	9.1	9.1	5.6	10.4	3.5
25	17	15	7		3	12	18	23

82.92  $\nabla$

check

1.43

89.85 = 89.88

BP in Pershing Drive Bridge

2+95

87.18 82.18 79.58 77.48 77.98 85.14  
~~4.1~~ 9.1 11.7 13.8 13.3 6.1  
 15 4 20 27 45

2+50

81.28 79.38 76.88 76.88 78.08 86.58  
 10.0 11.9 14.4 14.4 13.2 4.7  
 25 2 7 19 29

T.P.

9.89

91.28  $\pi$

0.25

81.39

91.28  $\pi$

2+34

81.34 78.64 76.44 77.64 87.14  
~~0.3~~ 3.0 5.2 4.0 13.5  
 25 3 14 25  
 Top

2+21

86.84 83.44  
~~4.4~~ 76.64 76.74 77.44 79.84  
 15.2 3.0 4.9 4.2 4.8  
 14 5 11 16

81.64  $\pi$

81.64  $\pi$

Roberts  
Cota  
Moore  
Morabz  
11-10-53  
WA 32288

Survey in 13th St. - L. to Newton  
to Determine Possible Route  
for Switzer Drain  
Rough Work: per Simmonds  
However levels will be good

4+19

3+84 N. Side Imperial BC Curb Returns

3+00

2+00

0+80 S. Line "L"

0+00 N. Line "L"

BM

7.24 10.24  $\nearrow$

NEBP  
300 Imperial E

Thirteenth

Lt. Gutter

Rt. Gutter

64

INDEXED  
JJE  
NOV 20 1953

3.24  
7.00

2.40  
7.84

3.01  
7.23

3.89  
6.35

4.91  
5.33

5.43  
4.81

3.28  
6.96

2.45  
7.79

3.00  
7.24

3.75  
6.49

4.82  
5.42

5.45  
4.79

10.24  $\nearrow$

Contd From Page 64

Lt. Gutter

Rt Gutter 65

7+50

3.62  
5.22

3.75  
5.09

6+50

2.68  
6.16

2.66  
6.18

5+86

1.99  
6.85

1.92  
6.92

5+36

3.09  
5.75

2.25  
6.59

T.P.

6.50 8.84  $\bar{\Delta}$  7.90 2.34

8.84  $\bar{\Delta}$

5+00

At Rts to Cb Pl National Ave. N. Side

2.16  
8.08

2.98  
7.26

4+46

So. Corb line Imperial

2.68  
7.56

3.08  
7.16

10.24  $\bar{\Delta}$

10.24  $\bar{\Delta}$

Cont'd From Page 65

check

5.84 3.00 = 3.00

No Curb Nat'l. to Newton

10+38

S. L. Newton

2.56

6.28

2.20

5.64

3.01

5.83

2.17

6.67

3.76

5.08

8.84  $\pi$

Lt Gutter

Rt Gutter

3.30

5.54

3.43

5.41

3.33

5.51

3.07

5.77

3.86

4.98

8.84  $\pi$

Roberts Survey to Determine Yardage  
 Cota In Hill in Golden Hill Park  
 Moore (East of City Yards)  
 Moralez  
 2-18-54  
 W.O. #20008

See Page 41 this F.B.

All From & on Page 41

All Elevations shown are to the right of Center Line. 67

13+70

111.7 139.4  
 550 610

13+50

832 812 82.4 104.7 104.5 108.3 106.8 109.9 124.9  
 265 350 413 432 450 500 540 550 582

127.4 132.1  
 600 650

13+25

97.7 96.5 99.9 102.5  
 430 450 500 550

13+10

99.0 108.9 116.1  
 500 600 650

13+00

82.4 80.4 81.8 95.0 95.4 100.7 107  
 268 355 421 438 450 500 550

BM

B.P. in Bridge  
 89.88 Pershing at Ha.

BM

NWEP  
 179.88 "B" 24.4

Cont'd From Page 67

All right of Center Line

68

15+00

84.5	83.3	84.3	128.4	130.3	141.2	150.5	161.2	166.5
245	328	399	432	450	500	550	600	650

14+50

84.0	82.6	83.6	124.9	126.6	136.4	140.9	143.7	150.6	159.2
252	335	406	432	450	500	520	550	600	650

14+35

141.1	144.0	149.1
550	575	600

14+25

133.8	137.5	138.1	150.1
500	525	550	625

14+00

83.7	81.9	83.0	120.4	122.7	126.6	130.1	130.8	125.3
258	342	410	431	450	475	500	510	550

129.2	132.6	147.6	154.9
580	600	628	650

13+90

127.7
500

13+80

117.3	117.4	122.4
431	450	495

16+75

156.2	164.5	166.1	132.1	136.4	144.9	149.2
550	600	650	431	450	475	500

16+50

86.6	85.3	87.0	136.0	141.0	147.5	151.7	155.6
232	306	398	431	450	475	500	525

162.6	172.0	174.0
550	600	650

16+35

165.2	171.5	174.4	176.0
550	575	600	650

16+00

86.1	84.8	86.4	136.1	139.1	150.5	164.1	167.4	169.6
240	313	394	432	450	500	550	560	575

173.1	175.8
600	650

15+75

174.4
650

15+50

85.3	84.2	85.4	132.7	134.9	146.1	158.7	163.8	168.7	171.8
242	320	395	432	450	500	550	570	600	650

15+20

160.3
580



17+70

126.3  
650

17+60

112.4 115.9 121.1  
500 550 600

17+50 ✓

87.8 85.7 87.6 108.2 109.7 116.4 120.7 126.4 134.2  
220 295 411 428 450 500 550 600 650

17+35

111.2  
450

17+00 ✓

86.8 85.5 87.7 125.7 128.9 141.1 145.5 152.3 154.4  
225 300 402 431 450 500 550 600 650

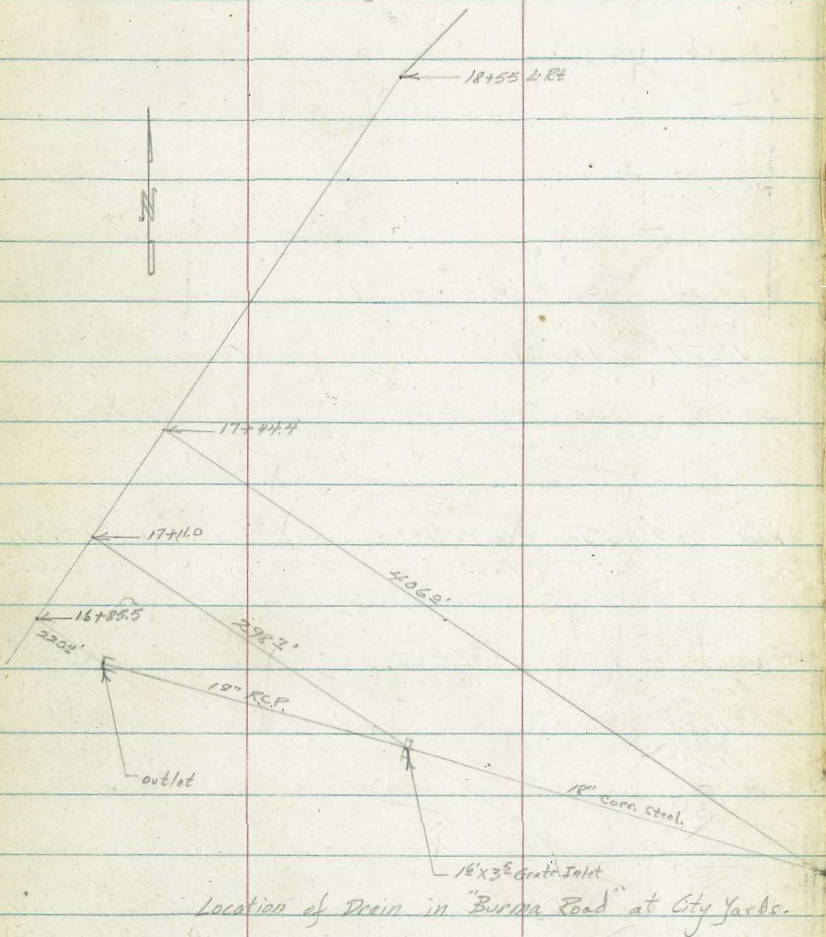
16+85

147.9 154.9  
500 550

Roberts  
Cota  
Moore  
Morales  
March 30, 1954  
W.D.#

Survey of "Burma Road" and Hill  
in Golden Hill Park For Yardage.

See Page #1 This F.B.



INDEXED  
Law

APR 2 - 1954

71

You will note that fill dirt has been added since survey page thirty-nine, on "Burma Road."

17+44.4 → 406.0' Rt to center of west Edge of 18' x 34" Inlet also begin 18" Corr. Pipe.  
Grate Elevation = 87.63 Invert Elevation = 83.51

17+11.0 → 298.7' Rt to center of 15' x 35" Inlet also begin of 18" RCP and end of 18" Corr. Pipe.  
Grate Elevation = 85.30 Invert Elev. = 80.59

16+25.5 → 220.4' Rt to the end of 18" RCP.  
Drain, INVERT ELEVATION EQUALS 75.29

18' x 34" Grate Inlet

21+50 436° Rt to west edge of A.C. Road

21+50	90.8	90.6	89.9	89.3	88.8	88.6	89.9	89.0	183.1	186.2	188.2	189.5	193.3	192.3	196.4	197.9
	25	50	100	125	163	177	200	237	377	386	405	406	436	455	500	550

21+00 456° Rt to west Edge of A.C. Road

21+00	90.8	90.7	88.9	88.2	88.3	88.1	178.0	182.0	182.9	185.2	191.4	194.0	195.5
	36	50	150	200	250	290	389	394	414	417	450	500	550

20+50	90.8	88.7	88.3	87.6	88.1	88.2	166.6	171.4	172.5	175.4	183.4	188.9	190.9
	48	150	190	210	235	322	395	404	423	425	450	500	550

20+00	89.4	88.4	87.2	87.6	88.0	160.4	161.2	159.6	165.9	169.4	178.4	179.9	174.4
	70	180	235	250	335	405	421	427	435	450	500	517	550

19+50	88.0	87.9	87.0	87.3	87.8
	139	200	250	275	360

(See page 54)

18+55.00	87.6	86.9	86.5	87.0	87.2	146.3	147.2	147.1	150.0	159.0	157.0	160.4
	203	265	277	300	376	428	434	451	454	520	562	600

18+00	87.5	86.5	86.0	86.5	87.6	124.4	124.7	130.3	127.4	133.4
	215	270	285	300	393	430	470	520	560	600

BM  
B.M.

B.P. in Bridge  
89.88 Pershing at Fla.  
NW B.P.  
179.88 "B" E 24 1/4"

24+50

91.7	92.0	91.9	90.3	91.0	96.0
29	50	72	80	115	180
Fence					

24+00

89.3	90.0	90.8	90.8	89.8	92.1	96.0
19	50	75	93	100	150	200
Fence						

23+50

87.8	88.9	89.5	90.4	90.5	90.7	92.8	142.5	149.5
15	50	70	100	114	150	188	500	550
Fence								

23+00

90.3	90.2	90.3	90.6	93.4	98.4	154.6	162.0	165.0	165.7	164.1
15	100	136	146	170	196	350	400	450	500	550
Fence										

22+55

155° Rt to E in fence.

Beautiful oak grove to East of Fence.

22+50

90.6	90.3	90.0	91.9	93.6	168.2	175.8	185.7	187.3	190.4	189.1
20	50	126	161	171	307	350	400	450	500	550

22+00

90.8	90.4	90.0	89.5	89.6	167.9	180.5	189.7	193.4	194.1	195.7
20	50	100	150	195	300	350	400	450	500	550

Roberts  
Korer  
Moore  
Morales  
5-17-55  
W.O.#20006

Elevations on N.W. Corner of  
Juniper and Union

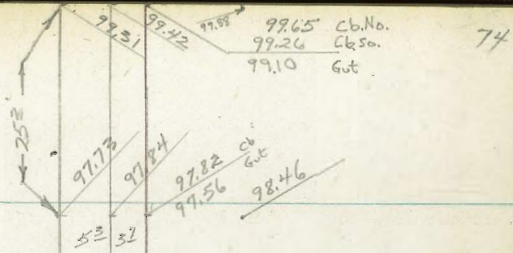
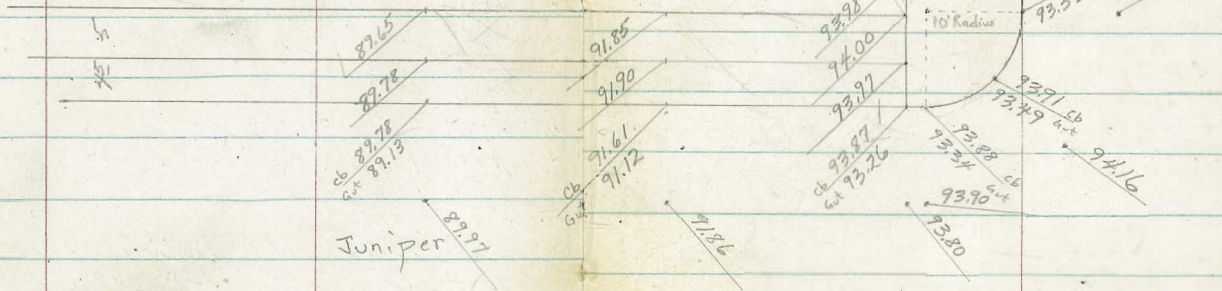
INDEXED  
JER  
MAY 17 1955



Scale: - 1" = 20'

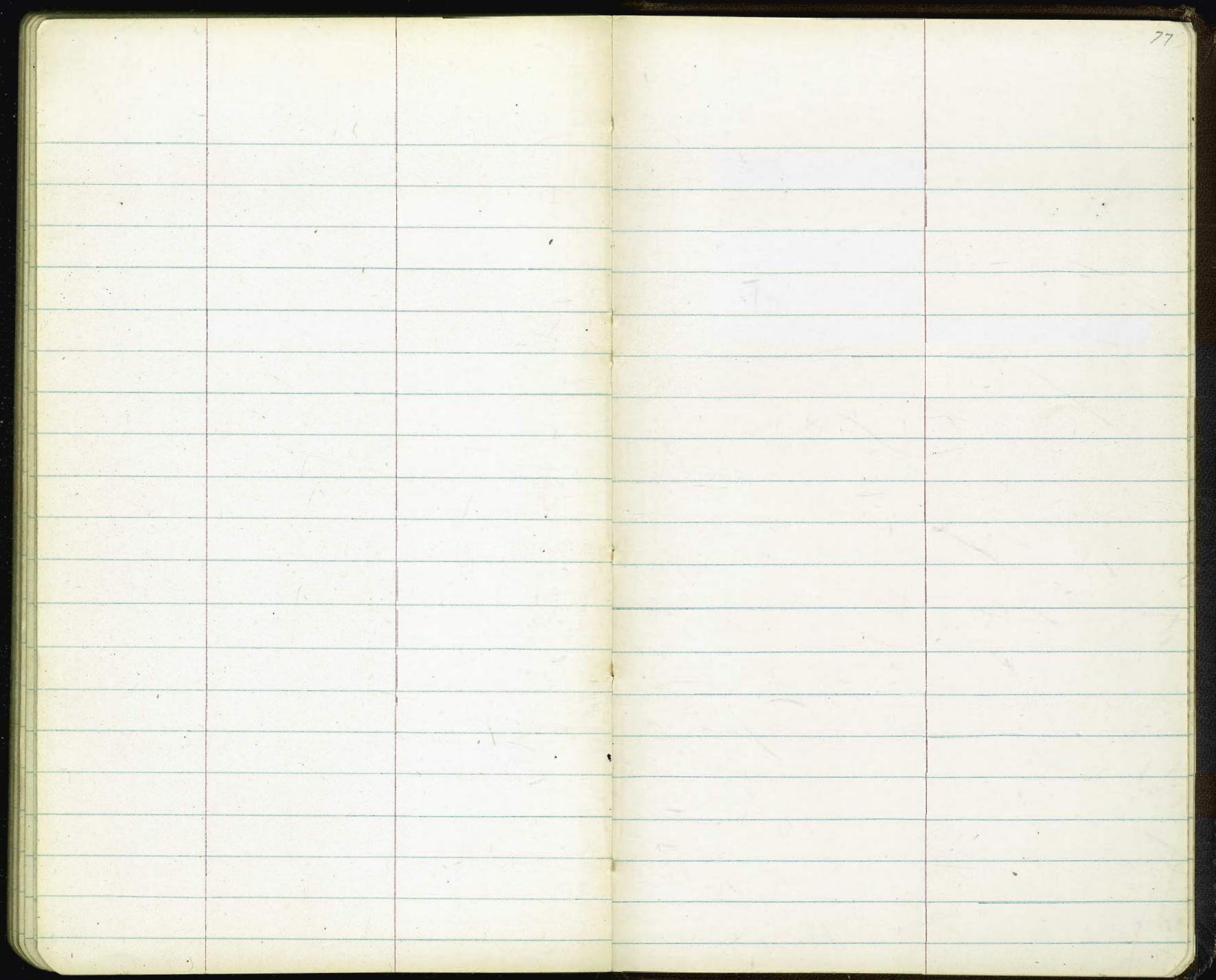
8" Std. Curbs

B.M. SEBP State & Kalmia 87.92

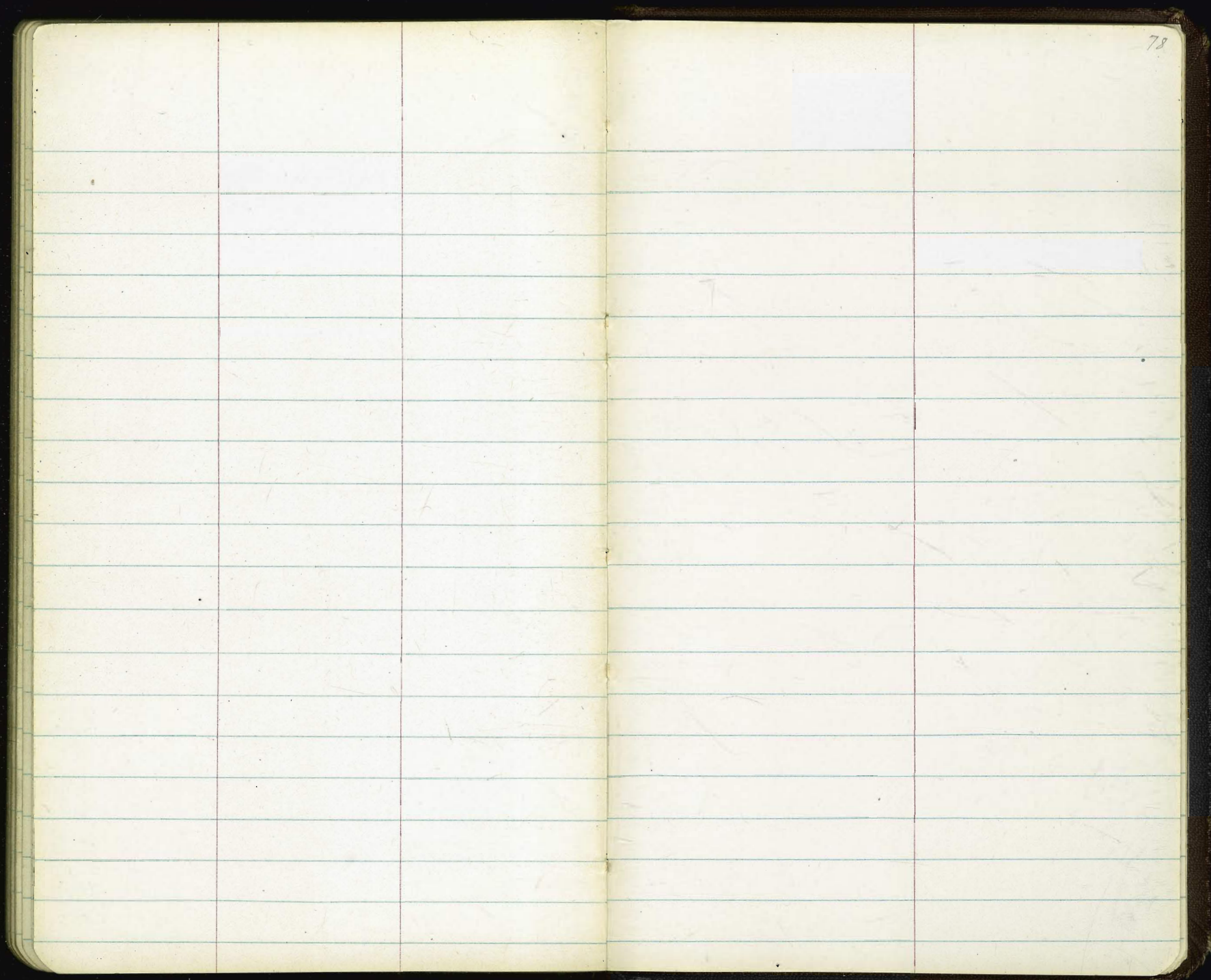


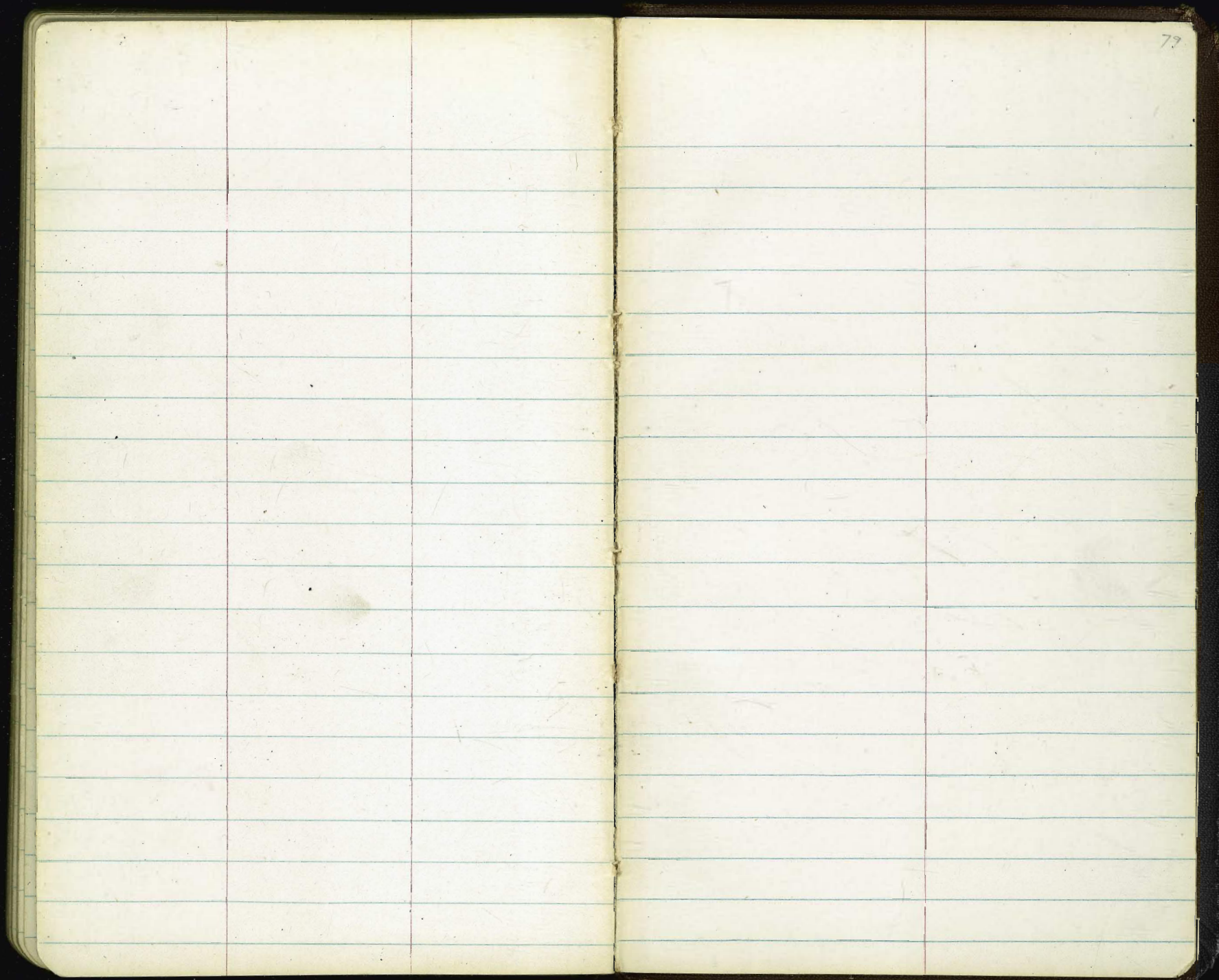
The image shows an open notebook with two facing pages. The pages are cream-colored and feature light blue horizontal ruling. The notebook is bound in the center, with a visible thread and several small circular holes. The pages are blank, with no writing or markings. The number '75' is written in the top right corner of the right page. The notebook has a dark cover, likely black or dark brown, which is visible at the edges.

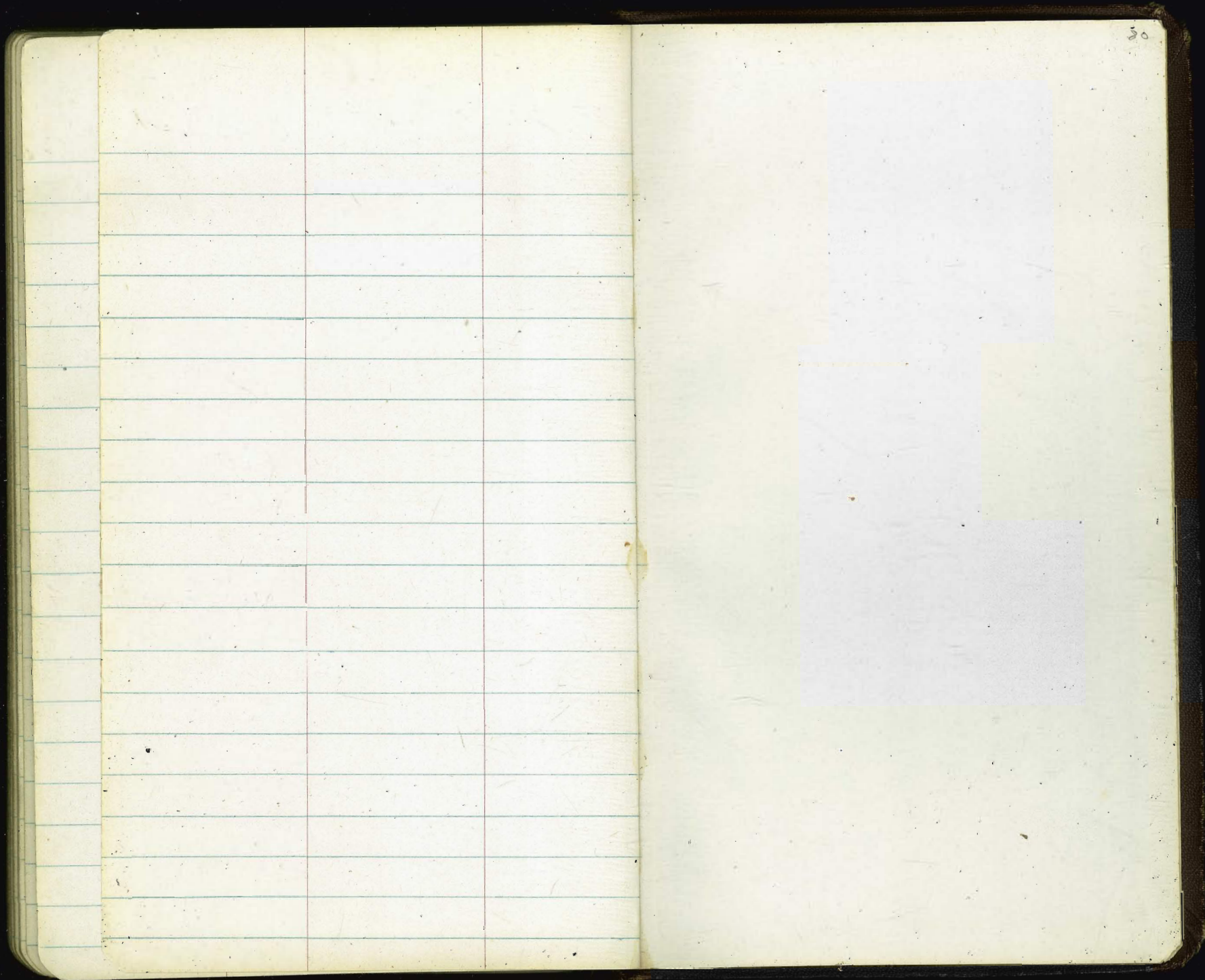












85  
9.00  
17.51

67.42  
12.82  
80.24  
73.1  
72.3  
72.3  
72.3  
72.3

97.6

80.24  
4.63  
448.7

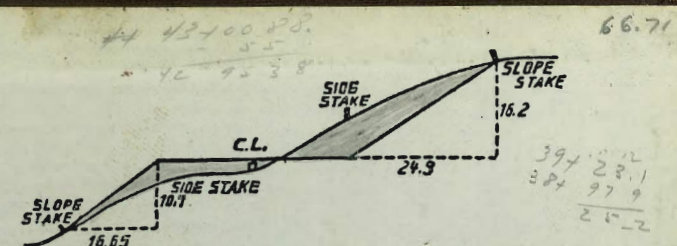
0.82  
1.5  
2.32  
1.8

762

179.60  
50.50  
129.10

3.00  
3.84  
3.16

9.46  
24.55  
3



**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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