

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

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	1.58	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	.970	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

elevation's top Pt. ^{Yes} Newton St South of 431
to Juniper St ^{curve}
Proposed 12" Pl. 39th St Thurn 2-15
to Idaho
Proposed Pl. Lincoln St Normal 14-26
of easement
39th St + Manzanita Dubois 27-28
Five Mid Location
East Mountain View Dr. Lot 145 29-29
39th St Thurn to Juniper, @ Grds for 12" A.C. WAT 30-31
HAWLEY BLVD, Mt View Dr to Alley So. of Collier, 6" WAT 38-41
Ellison Place, Mt View Dr. 245' NEY, 6" A.C. WAT 43
Alley BIKs. 22 & 31, E. of 48th, Nor. of University, 6" A.C. WAT 44-47
49th St. Olive to Maple, 6" A.C. WAT 48-49
Olive St, Alley E of Fairmont to Highland 6" A.C. WAT 50-51
Alley BIKs. 23 & 30, E. of Estrella, Nor. Univ. Ave 6" A.C. WAT 52-53
LINCOLN AVE Pipeline, Idaho to Normal, 12" A.C. WAT 56-64
35th St, Nor Mt View Dr. to Arthur, 6" A.C. WAT 65-66
WIGHTMAN ST, 50th to WINONA, 6" A.C. WATER 67-68
AUBURN DR. ONTARIO to Sky TERMINUS, 6" A.C. 69-70
Alley BIK 8 E. Chamaine, N. Thurn 6" A.C. WAT 63-67
alice

Shots top Pipe
Newton South 43rd

	2.68	68.26	65.58
0+67		6.52	61.74
1+75		10.25	58.01
2+65		12.05	56.21
3+50		12.56	55.70
		2.68	65.58 = 65.58

West

BM NE BP 43rd + Newton

0+00 West side 43rd

West

7+18 87

0° 03 RT @ Redwood

80' Redwood (Dirt)

7+06 Gas Xing

Fd @ 202 1/2

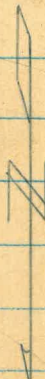
Fd @ 200 Mon 6286

Water Gas + Sewer in Alley

Proposed 10' Pl 59' St

(Dirt)

Water Gas in Alley No Sewer



E Fd @ 200 Mon

0+50 Water Xing?

80'

Thorn St
(Dirt)

0+00

North Prop Line Thorn

80'

30' 50'

23 + 27 64

4° 04' 30" Lt

Lexington St

No Road Brush + Dint

Proposed 12" PL 394 51

3

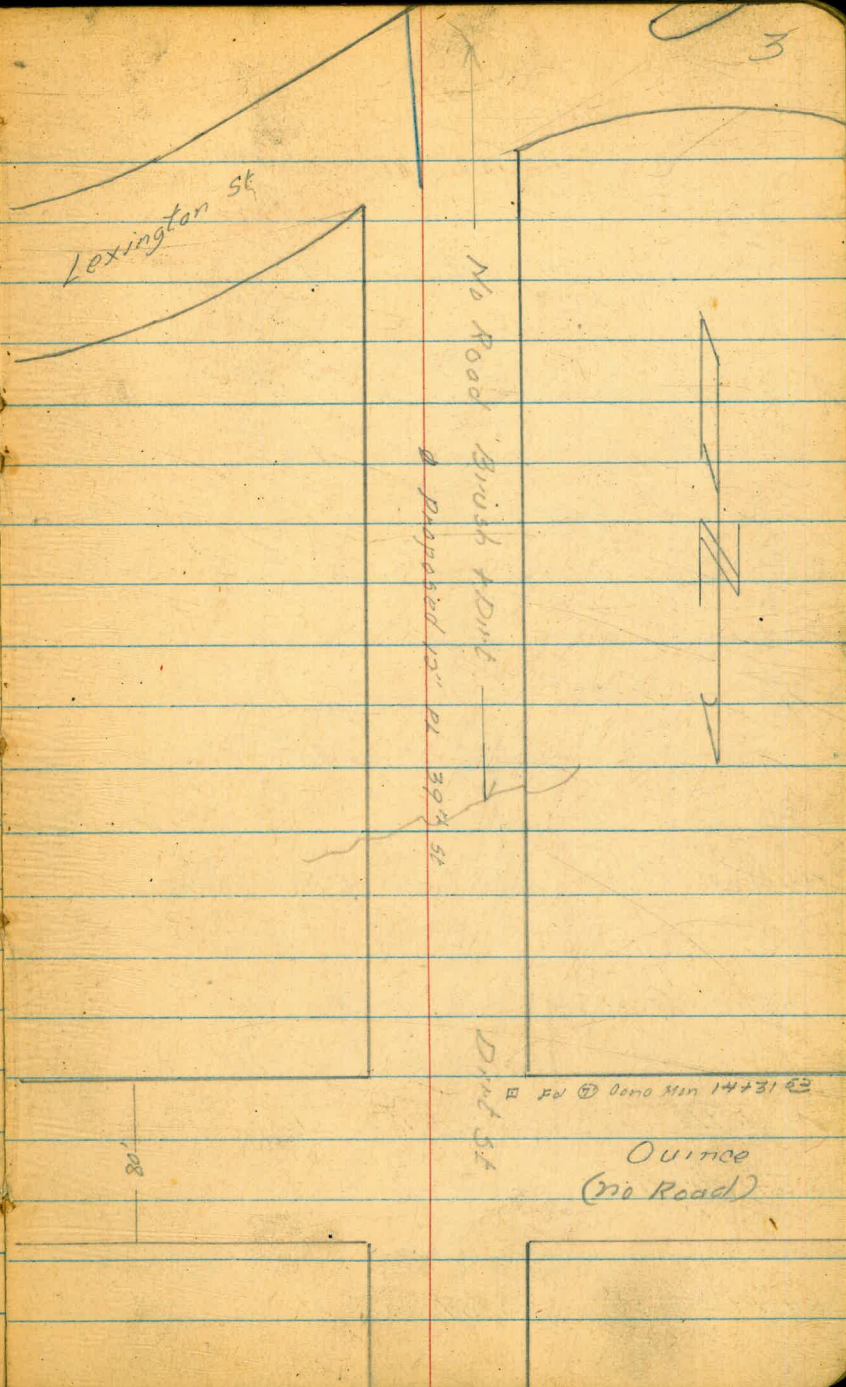
X 14 + 31 53

4 0° 09' RT

PL 12" Dero Man 14 + 31 53

Dint St

Quince
(no Road)



30+64 \angle 29° 15' LT

29+84 28 \angle 44° 38' RT

27+64 24 \angle 17° RT

27+04 22 \angle 10° 40' RT

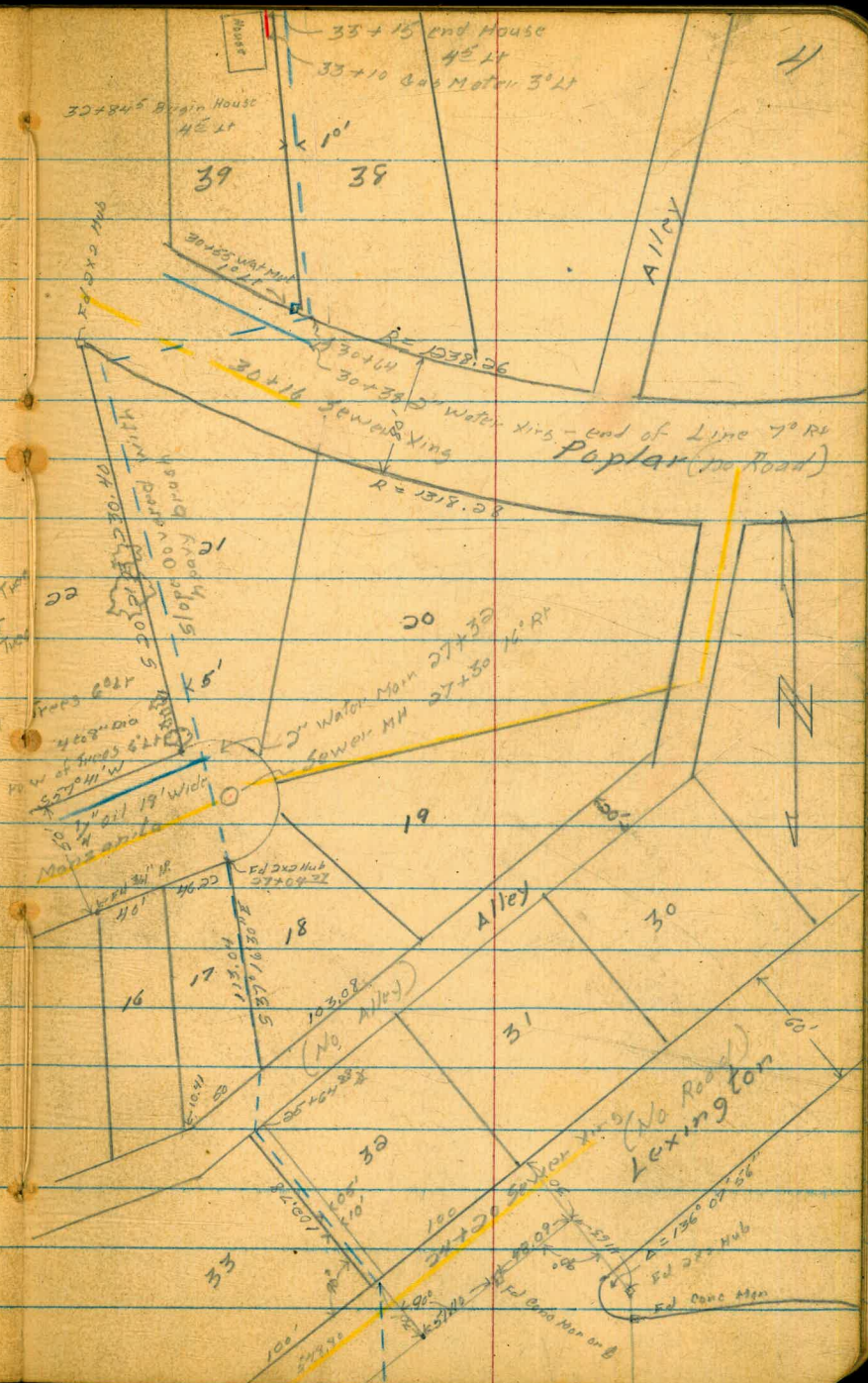
7° 37' 15" BEATY
21/154

1 line on Prop Line

25+91 23 \angle 26° 01' 30" LT

25+64 21 \angle 44° 18' RT

24+60 19 \angle 51° 27' LT



Poplar (No Road)

(No Road)
Lexington

40+58 50

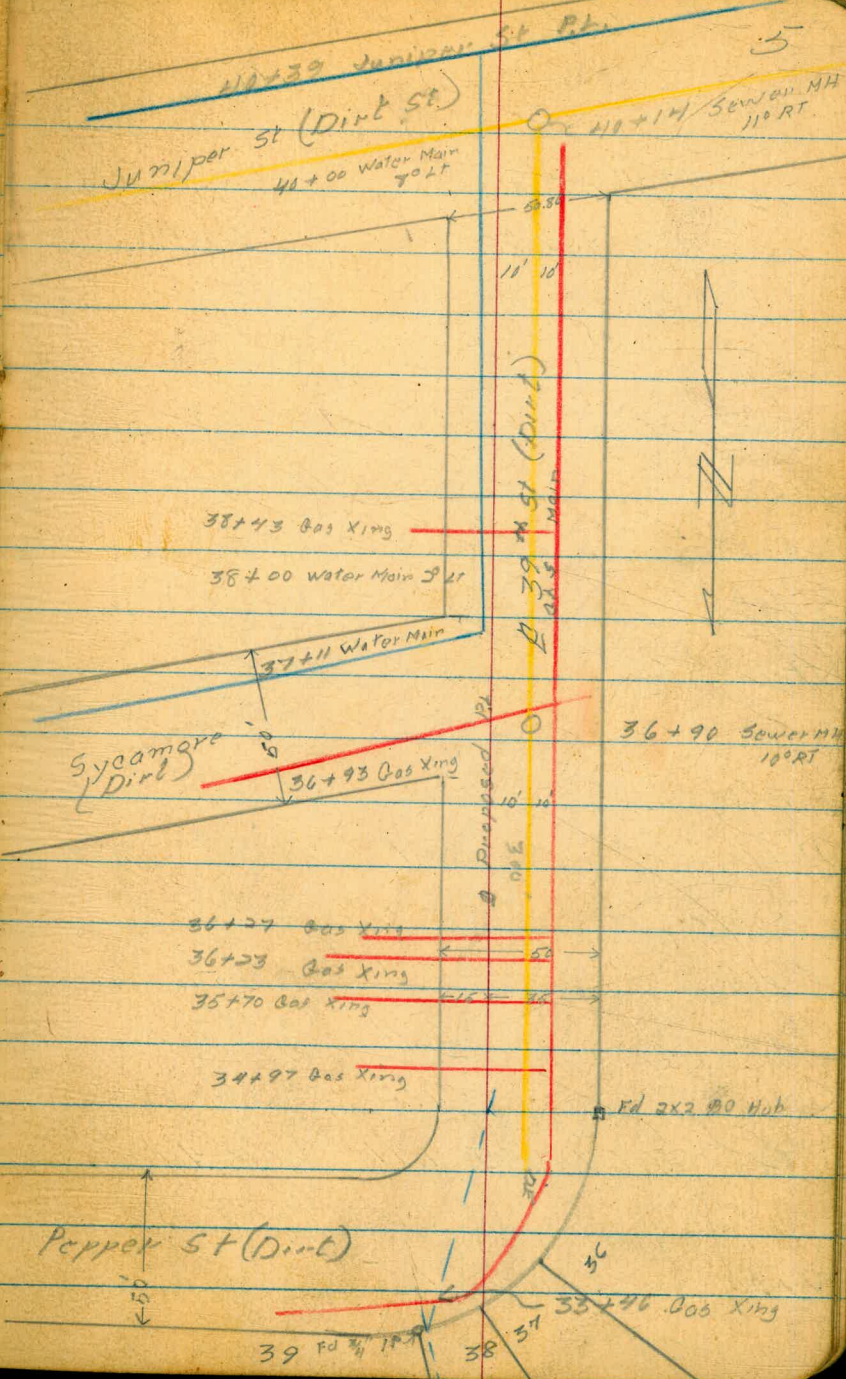
End PL

34+21 16

28° 52' 21"

33+30 04

24° 30' RT



39th St @ Proposed D.P.L.

Thorn to Juniper St

B.S. +

FS

West
Martell
Varonfakis

18 Dec 52

6

	5.89	309.86		302.97
	- 3.08	304.56	7.38	301.48
	9.00	311.50	2.06	302.50
0+00			9.7	301.8
150			6.6	304.9
1+00			5.9	305.6
150			5.4	306.1
2+00			5.2	306.3
150			5.4	306.1
3+00			5.5	306.0
150			5.6	305.9
4+00			5.7	305.8
150			5.8	305.7
5+00			5.8	305.7
150			6.4	305.1
6+00			7.2	304.3
		303.85		303.79
AD	0.06	303.55	7.71	303.49
150			0.6	303.79
7+00			1.5	302.35

B.M. BP NW Cor 40th + Redwood

North prop Line Thorn St

	303.85		
+50	303.85	2.0	301.85
8+00		2.4	301.45
+50		2.6	301.25
9+00		3.1	300.75
+50		4.6	299.25
10+00		6.4	297.45
+50		8.2	295.65
11+00		9.9	293.95
+50		10.7	293.15
	293.68		291.64
204	298.38	12.21	291.84
12+00		2.5	291.18
+50		5.8	287.88
13+00		6.6	287.08
+50		10.1	283.68
14+00		12.1	281.58
	280.96		280.63
0.33	280.66	13.05	280.33
+50		1.1	279.86
15+00		3.7	277.26
+50		5.1	275.86

9.5	10.6
10.1	4.9 RT
11.0	13.0
10.1	6.0 RT
	13.5
	7.0 RT
Turn on lower north side of steep bank	
60. RT 11+50	
3.2	5.4
10.1	7.0 RT
3.8	7.5
10.1	6.0 RT
5.6	9.2
10.1	8.0 RT
9.5	10.9
10.1	9.0 RT
	12.9
	8.0 RT
	3.0
	10.0 RT
	5.4
	10.0 RT
	6.7
	10.0 RT

Williams
Martell
Varonakis

19 Dec 52 8

16+00	28096 780.62	7.8	273.16
+50		10.3	270.66
17+00		11.9	269.06
	0.88		268.60
	269.48	12.36	266.50
+50		1.9	267.58
18+00		2.7	266.78
+50		4.4	265.08
19+00		8.6	260.88
	4.54		256.44
	260.98	13.04	256.14
+40		6.0	254.98
+50		10.8	250.18
+37		12.7	248.28
+65		13.1	247.88
+75		11.6	249.38
+76		7.6	253.38
+00		7.8	253.18
	0.35		247.99
	248.34	12.99	247.69
+50		5.5	242.84
	0.56		235.63
	236.19	12.71	235.73

8.5
7 Rt.

10.9
6 Rt.

12.5
5 Rt.

9.3
10 Lt.

8.5
10 Rt.

13.3
10 Lt.

13.4
10 Rt.

7.8
10 Lt.

6.6
10 Rt.

8.6
10 Lt.

6.7
10 Rt.

6.6
10 Lt.

5.2
10 Rt.

21+00		236.19 235.84	1.3	234.89
+18			5.4	230.79
	0.47	229.11 228.84	12.55	223.64 223.34
+50			5.4	218.71
	0.46	211.82 211.52	12.75	211.36 211.21
+85			6.0	205.82
22+00			13.0	198.82
	0.57	199.32 198.82	13.07	198.75 198.75
+30			5.3	193.95
+50			9.4	189.85
	1.95	188.42 188.12	12.85	186.47 186.17
+75			4.1	184.32
	0.60	176.60 176.70	12.42	176.00 175.70
23+00			3.3	173.30
+15			8.2	168.40
23+37.5			8.8	167.80
+50			8.2	168.40
	10.44	179.22 178.92	7.82	168.78 169.48
23+89			12.6	166.62
+85			14.8	164.42

$\frac{2.4}{10 \text{ Lt.}}$	$\frac{3.5}{10 \text{ Rt.}}$
$\frac{6.0}{10 \text{ Lt.}}$	$\frac{4.7}{10 \text{ Rt.}}$
$\frac{7.3}{10 \text{ Lt.}}$	$\frac{6.0}{10 \text{ Rt.}}$
$\frac{11.6}{10 \text{ Lt.}}$	$\frac{12.9}{10 \text{ Rt.}}$
$\frac{8.4}{10 \text{ Lt.}}$	$\frac{0.9}{10 \text{ Rt.}}$
$\frac{13.3}{10 \text{ Lt.}}$	$\frac{4.3}{10 \text{ Rt.}}$
$\frac{6.4}{10 \text{ Lt.}}$	$\frac{1.3}{10 \text{ Rt.}}$
$\frac{7.9}{10 \text{ Lt.}}$	$\frac{6.2}{5 \text{ Rt.}}$

TURN ON ROCK AT STATION 23+65 TWO FEET RIGHT.

Top of creek bank

Creek Bed

West
Martell
Varon Fokis

23 Dec 55 10.

		179.22		
+ 94		178.92	12.4	166.82
24+00			12.9	166.32
24+00	Sewer Xing			
+ 35			10.6	168.62
+ 50			7.2	172.02
24+62 ¹²			4.7	174.52
		191.05		178.29
	12.76	190.75	0.93	177.99
		202.68		190.04
	12.64	202.38	1.01	189.74
25+00			9.6	193.08
		214.80		202.32
	12.48	214.50	0.36	202.02
		226.32		214.29
	12.03	226.02	0.51	213.99
+ 50			11.5	214.82
+ 64 ⁸			5.0	221.32
+ 70			3.6	222.72
		238.04		225.08
	12.96	237.74	1.24	224.78
+ 91 ⁸			10.5	227.54
26+00			7.4	230.64
		250.09		237.49
	12.60	249.79	0.55	237.19
+ 86			5.6	244.49
+ 50			2.0	248.09

11.1	12.9	12.8	14.0
10.21	6.01	6.01	12.01
	9.8	12.1	
	5.01	15.01	

15" Sewer Xing

235' AT to Sewer MH	264' AT to Sewer MH
168.07	153.26
167.77 Elev of Flow Line	152.96 Elev of Flow Line

9.7	9.9	118.48
10.21	10.01	10.75
		179.33
		11.36
		167.77
		279
		216
		264
		168.48
		3.62
		172.13
		10.97
		161.16
		7.2
		152.96

6.4	8.5
10.21	10.01

Top of steep slope

		250.09		
		249.77	0.58	249.21
		256.36		249.51
	6.85	256.06	0.58	249.21
	x	255.23		251.15
27+04	4.08	254.93	5.21	250.85
+22			4.62	250.61
+30			5.36	249.87
				+5.8 to Flow
+42			4.92	250.31
+52	4		5.5	249.71
		248.95		246.24
	2.71	248.65	8.99	245.74
28+00			4.9	244.04
		238.07		237.05
	1.02	237.77	11.90	236.75
+50			6.5	231.57
		230.44		228.54
	1.60	230.14	9.23	228.54
29+00			9.6	220.64
		218.48		217.91
	0.57	218.18	12.53	217.61
		207.24		206.04
	1.20	206.94	12.44	205.74
+50			3.1	204.14
+60			6.6	200.64
		194.96		194.36
	0.60	194.66	12.88	194.06
+84	x		6.0	188.96

Turn on city rights hub
 edge oil manzanita st
 244.07 Top west edge sewer NH 16° RT
 south edge oil Manzanita St

Turn on corner

4.5
5 Lt. 4.6
5 Rt.

9.8
10 Lt. 10.7
10 Rt.

2.2
8° Lt. 4.6
10° Rt.

39th St cont

12

30+00	194.96 194.66	10.7	184.26
+22		14.5	180.46
+50		9.9	185.06
+64 $\frac{1}{2}$		5.1	189.86
	207.77 13.08 207.47	0.27	194.32 194.69
31+00		0.4	207.37
	219.97 12.74 219.57	0.54	207.23 206.93
	232.39 12.69 232.09	0.27	219.70 219.40
+50		5.5	226.89
	244.54 12.82 244.24	0.67	231.72 231.42
⁴⁸ +86 _{Por}		6.4	238.14
32+00		4.4	240.14
	255.02 10.51 254.72	0.03	244.51 244.21
+50		10.2	244.82
33+00		7.7	247.32
⁰⁴ +30 _{Por}		6.1	248.92
+50		5.3	249.72
34+00		4.6	250.42
+21 ¹⁰ $\frac{1}{2}$		4.0	251.02

$$\frac{10.3}{10.11}$$

$$\frac{8.7}{10.81}$$

creek bottom

$$\frac{9.2}{10.11}$$

$$\frac{11.2}{10.81}$$

$$\frac{1.4}{10.11}$$

$$\frac{0.9}{8.81}$$

$$\frac{8.4}{10.11}$$

$$\frac{1.1}{10.81}$$

$$\frac{7.9}{10.11}$$

$$\frac{4.6}{10.81}$$

$$\frac{10.0}{10.11}$$

$$\frac{9.6}{10.81}$$

		255.02		
34+50		254.72	2.7	252.32
35+00			1.7	253.32
		255.95		253.23
	2.72	255.65	1.79	252.93
+50			3.1	252.85
36+00			4.6	251.35
+50			6.8	249.15
+90			2.53	248.62
				+7.9 to Flow
37+00			8.7	247.25
+50			12.0	243.95
		245.26		242.97
	2.29	244.96	12.98	242.67
38+00			5.2	240.06
+50			7.8	237.46
39+00			9.2	236.06
+50			10.4	234.86
40+00			12.5	232.76
		238.18		234.26
+14	3.92	237.88	11.00	233.26
+50			7.1	231.08
+58 ⁵⁸			7.4	230.78
				234.74
			3.44	234.44

240.72 Top east edge Sewer MH Sycamore St 10° RT

228.88

7.15

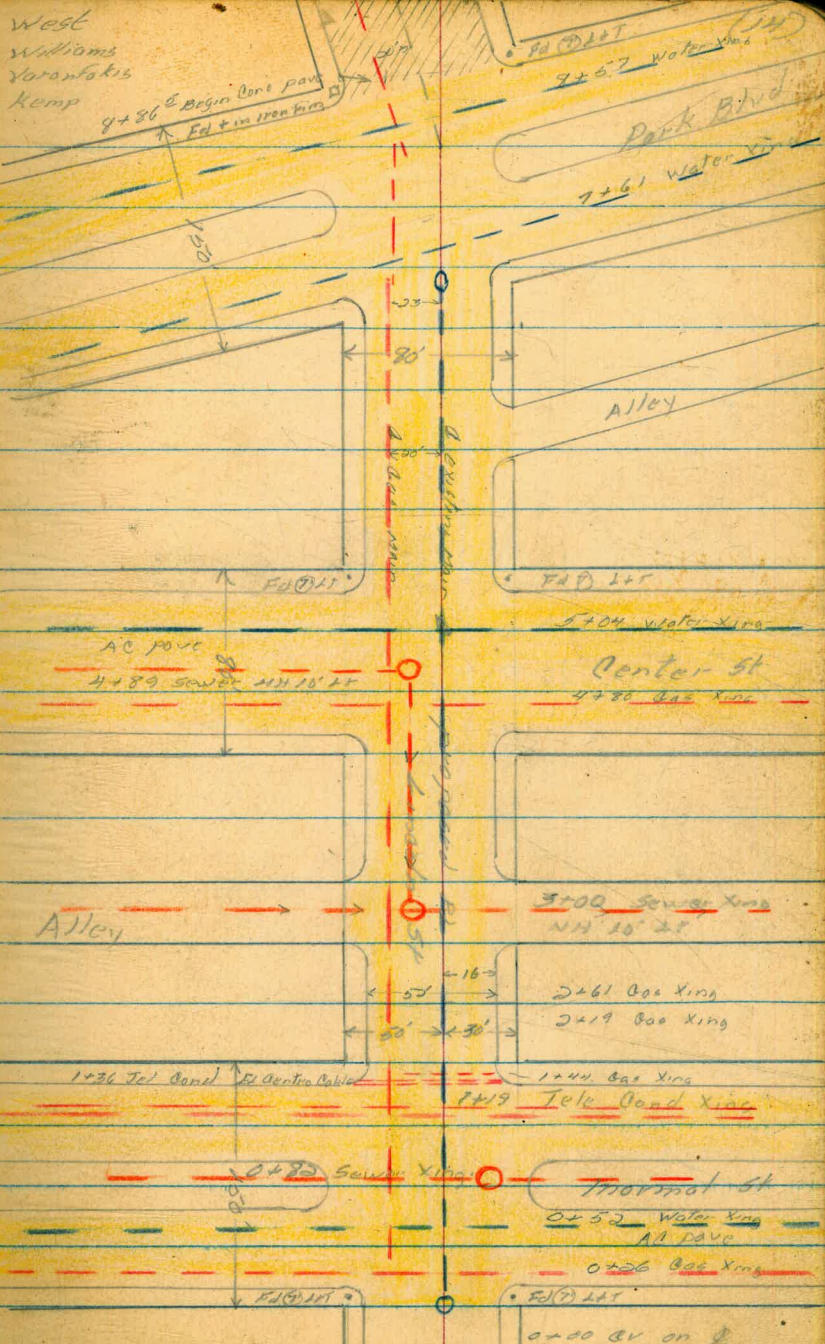
221.73

218.26 Juniper St
+11.2 to Flow Top east edge Sewer MH 11° RT

= 234.44 TBM Nail in Tol post
40+25 30° RT

Lincoln St
Normal to Idaho
Proposed RL

8+37.20 \approx $22^{\circ}57'30''$ It



0+00

West Prop Line Normal

Lincoln St
(Cont)

17+97 Δ

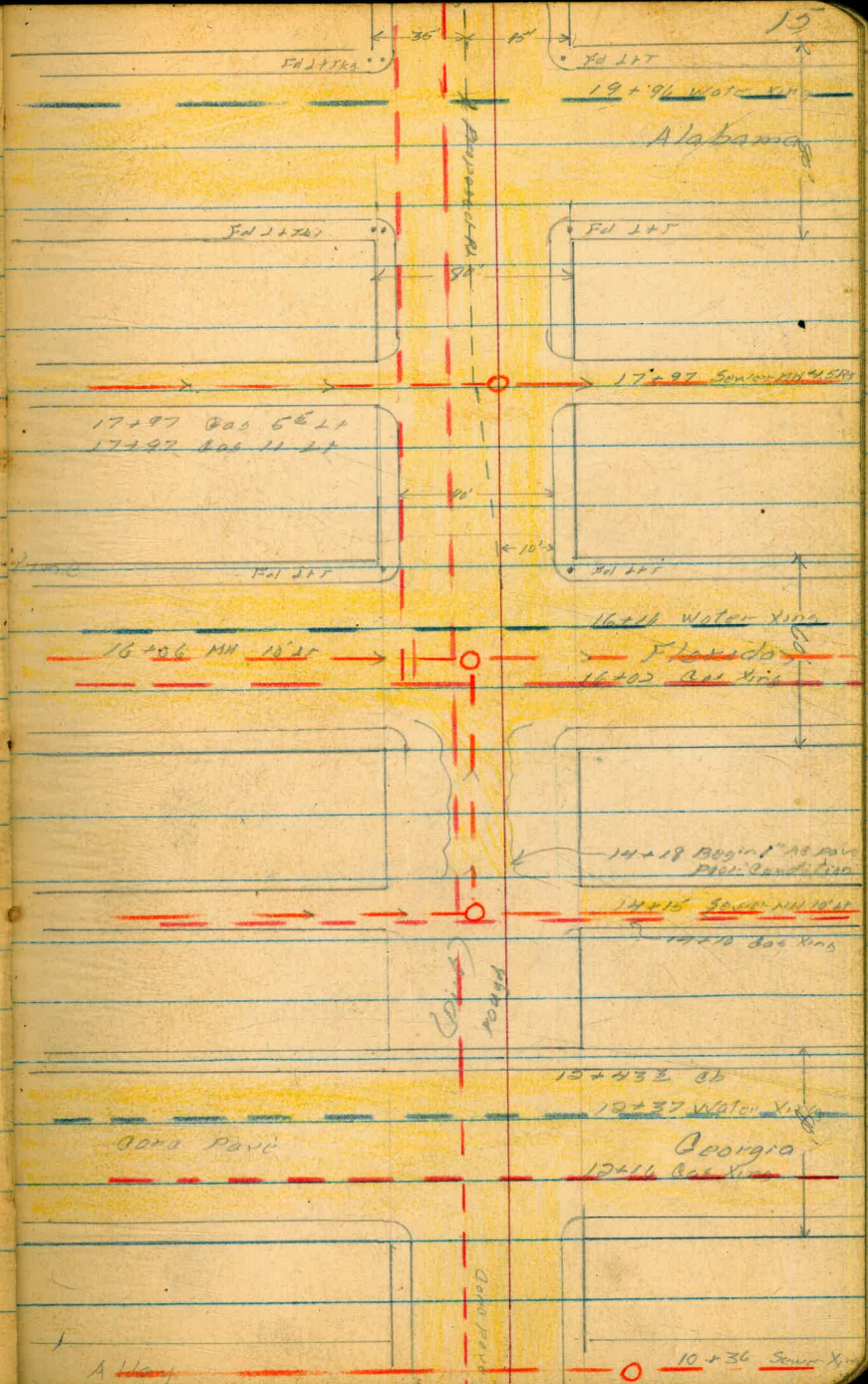
5° 08' RT

Alley \pm

16+29 Δ

5° 08' LT

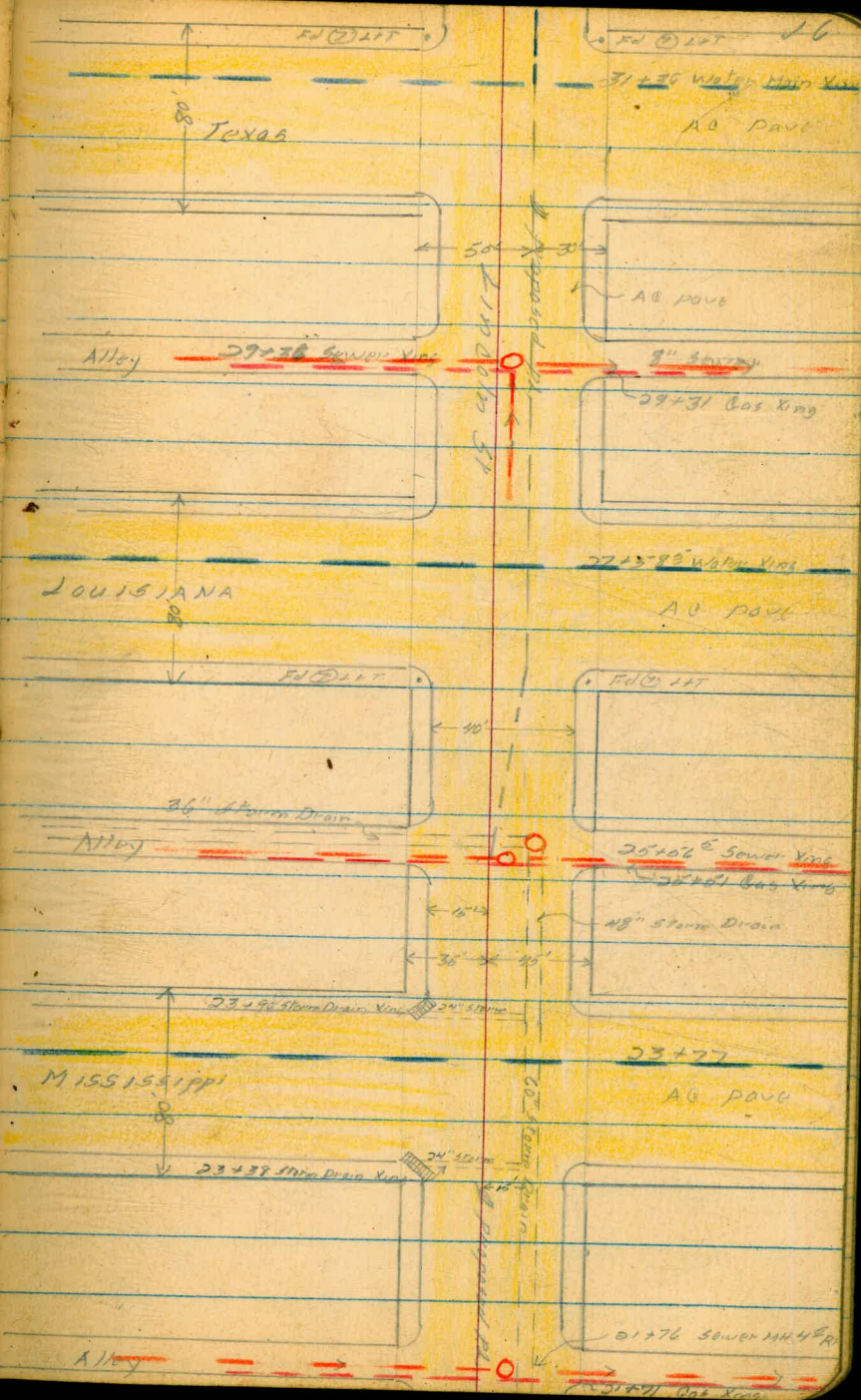
(7) East pluv



Lincoln St
(cont)

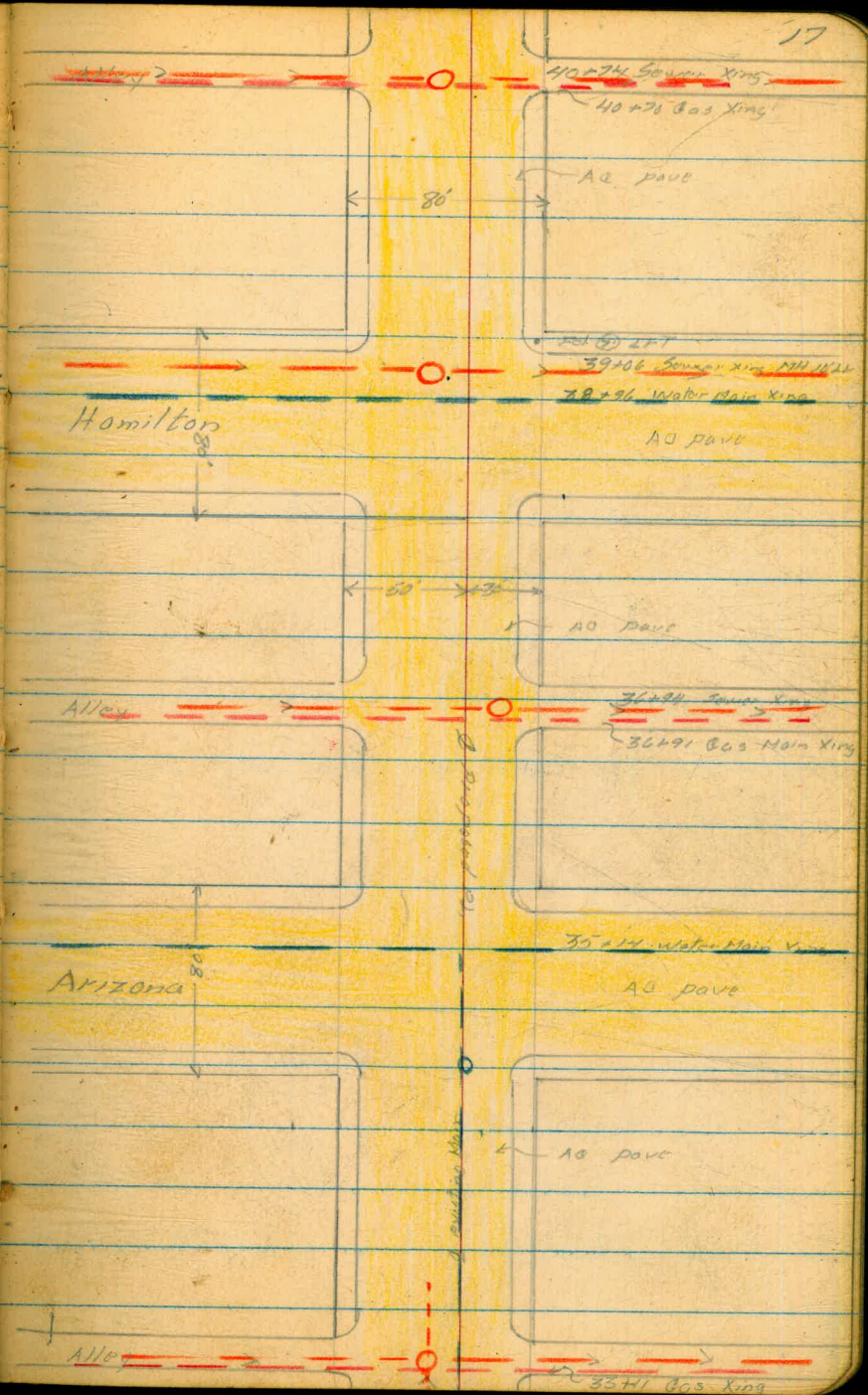
27+13.30 50 31' 30" LT (D) West Prop

25+56.83 50 31' 30" RT A Alley, E



Lincoln St
(Cont)

to



Lincoln St
(Cont)

West
Williams
Varonakis
Kemp

18

11-20-53

46+85.24

East Prop Line Idaho

IDAHO
AC Pavc

46+85.3 Water Main

28

AC Pavc

44+60 36" DI X 18" G

44+52 Sewer X 18"

AC Pavc

42+74 DI X 18"

28

AC Pavc
Oregon

Lincoln

Prop Line

Prop Line

Profile
Proposed Pl.
Lincoln St

	1.97	334.17		332.20		NE BD	Park Blvd & Lincoln
	0.80	323.83	11.14	323.03			
		319.88					
	4.50	314.88	8.45	315.38		Top FH SE	Cor Lincoln & Normal
0+00			7.22	312.66		edge av	west prop line Normal
+50			6.75	313.13			
				308.13			
0+82			-7.33	312.55	307.75		
				14.8 To Flow			30' RT Top North edge Sewer NH
1+00			6.34	313.54			
				308.54			
+50			5.90	313.98			South edge av
				308.98			
2+00			4.10	315.78			
				310.8			
+50			2.27	317.61			
3+00			1.93	312.61			
3+00	12.80	332.18	0.50	317.95	311.05	+6.9 To Flow	Sewer NH Top South rim Top 10' LT
				319.38			
+50			10.97	321.21			
4+00			9.16	323.02			
+50			7.71	324.47			
+89			6.06	326.12	319.12		
				17.0 To Flow			10' RT Top South edge Sewer NH
5+00			6.10	326.08			
+50			4.97	327.21			
6+00			3.96	328.22			
+50			2.95	329.23			
7+00			1.92	330.26			

Lincoln St
(cont)

332.18

7+50 144 330.74

8+00 0.59 331.59

+37⁰ 6.44 337.94 0.68 331.50

8+50 6.55 331.39

9+00 6.19 331.75

+50 5.49 332.45

10+00 4.87 333.07

5.75 332.19 = 332.20

3 8 9 336.09 332.20

332.34 325.04

10+30 3.75 + 73

North Rim Sewer MH 30' RI

+50 3.72 332.37

11+00 6.22 329.87

+50 9.20 326.89

12+00 11.32 324.77

1.13 324.56 12.66 323.43

12+43³ 2.31 322.25

Bottom of gutter

+43² 1.80 322.76

Top of curb

+57² 2.01 322.55

West edge sidewalk

+62 1.92 322.64

East " "

11-23-53

50

324.56

12+74	1.5	323.06
12+89	3.3	321.26
13+00	7.5	317.06

$\frac{1.3}{10.1}$	$\frac{2.6}{6.1}$	$\frac{4.0}{10.1}$
$\frac{4.5}{10.1}$	$\frac{3.0}{3.2}$	$\frac{4.0}{2.1}$
$\frac{7.9}{10.1}$	$\frac{6.2}{6.1}$	$\frac{9.2}{10.1}$
	$\frac{8.0}{3.1}$	$\frac{10.1}{10.1}$

0.26 312.41 12.41 312.15

13+11	0.1	312.15
		3
+20	7.5	304.9
		302.71
+38	9.7	311.44

$\frac{5.5}{14.1}$	$\frac{5.2}{8.1}$	$\frac{7.9}{10.1}$
	$\frac{11.3}{10.1}$	$\frac{4.3}{10.1}$

0.30 299.80 12.91 299.50

+53	4.5	295.30
14+00	12.6	287.2

$\frac{5.1}{10.1}$	$\frac{4.9}{10.1}$
$\frac{13.3}{10.1}$	$\frac{13.4}{9.1}$
$\frac{12.7}{9.1}$	$\frac{12.4}{10.1}$

0.09 287.02 12.86 286.94

+12	3.5	283.5
		283.27 277.27
+15	3.73	+6.0 To Flow
+25	4.9	282.12
+50	8.01	279.01
+75	11.39	275.63

Tox South edge Sewer MH 1022

0.27 274.78 12.51 274.51

15+00	2.50	272.28
+25	5.75	269.03
+50	9.26	265.52

274.78

26+00	11.46	273.51	12.73	262.05
+06			11.94	261.57
+29.37			12.23	261.28
+50			11.64	261.85
			10.88	263.13

256.08

Top South edge Sewer MH 10' 11"

17+00			6.79	266.7
+50			3.24	270.27

12.40 285.89 0.00 273.49

+97			12.40	273.49
				+3.7 To Floor

269.79

Top West edge Sewer MH 45' 11"

18+00			12.06	273.83
+50			8.57	277.38

19+00			5.19	280.70
+50			2.11	283.78

291.78 1.36 284.53 =

284.61 BM BP NW cor Alabama + Lincoln

7.25 291.86 284.61

08 Diff see page 26

20+00			7.30	284.48
+50			6.35	285.43

21+00			5.20	286.58
+50			4.13	287.65

284.64

21+76			4.04	287.74
				+3.1 To Floor

Top North side Sewer MH 45' 11"

22+00			4.37	287.4
-------	--	--	------	-------

	291.78 291.86		
22+50		5.09	286.69
23+00		5.85	285.93
+38		11.04	280.74
+50		6.01	285.77
23+90		10.51	281.27
+90		13.33	278.45
24+00		5.52	286.26
+50		4.78	287.00
25+00		3.39	288.39
+50		1.00	290.78
	303.17		291.25
+56 ⁵³	11.92	303.25	0.53
+59		11.84	291.33
26+00		10.03	293.14
+50		7.54	295.63
27+00		5.07	298.10
+13 ³⁰ A		4.77	298.4
+50		4.17	299.00
28+00		3.06	300.11
+56		0.26	302.91

46
5.81
10.51

49
6.74
17.04

7.2
6.13
13.33

53

Flow Line 24"
 11' RT To Storm Drain Grate

Flow Line 24" Storm Drain
 17' RT To Storm Drain Grate
 To Flow Line 60" Storm Drain
 16' RT To Storm Drain Grate

285.5 5.0 RT
 +0.7 To Flow Turn on top North edge sewer 11'
 281.33
 +12.6 To Flow Top Storm Drain MA 16' RT

	303.17		
	303.25		
	314.74		302.95
11.79	314.82	0.22	303.03
29+00		9.18	305.56
+36		7.07	<u>302.67</u>
+50		6.31	308.43
30+00		3.74	311.00
+50		0.90	313.84
	302.89		314.43
2.46	302.97	0.31	314.51
31+00		6.76	316.13
+50		6.16	316.73
32+00		5.26	317.13
+50		5.62	317.27
33+00		5.35	317.54
+16		5.10	317.79
+50		5.21	317.68
34+00		4.94	317.95
+50		4.48	318.41
35+00		4.05	318.84
+50		3.38	319.51
36+00		3.21	319.68

299.87
 +7.8% Flow Top South edge sewer MH 9.541

309.39
 +8.4% Flow Top South edge sewer MH 10.4

320.89

~~322.97~~

36+50 2.84 320.05

331.45 350.46

+94 10.99 ~~331.52~~ 2.43 320.54

37+00 10.69 320.76

+50 9.44 322.01

38+00 8.21 323.24

+50 7.06 324.39

39+00 5.76 325.69

+06 5.35 326.10

340.32 330.74

9.58 ~~340.40~~ 0.71 330.82

+50 12.18 328.14

40+00 8.32 332.00

+50 4.54 335.78

+74 2.44 337.88

351.93 339.45

41+00 12.48 ~~352.01~~ 0.87 339.53

+50 8.67 343.26

42+00 4.86 347.07

+50 2.29 349.64

43+00 1.19 350.74

362.75 351.71

11.04 ~~362.83~~ 0.22 351.79

315.46

+50 To Flow Top North edge sewer Mt 5° RI

319.95

+6.1 To Flow Line Top South edge sewer Mt

332.88

+5.0 To Flow Top South edge sewer Mt 10° RI

362.75
~~362.83~~

43+50	9.68	353.07
44+00	7.73	355.02
+50	5.74	357.01
+54	5.36	357.39 + 5.6 To Flow
45+00	4.73	358.02
+50	3.68	359.07
46+00	2.54	360.21
+50	1.74	361.01

285 ²¹

		361.11
	1.64	361.19 =
		361.11
8.75		361.19
		369.14
4.31	373.53	0.72
		369.22
		369.97
	3.48	370.05

369.86

~~369.94~~

373.45

4.31 373.53

3.48 370.05

11-24-53

26

351.79

Top South kin sewer MH 10' 21"

357.39
5.6
~~351.79~~
352.49

East prop line Idaho

360.85 BM BP SE cor Idaho + Kincaid

(No Good)

369.96 SE BP Point + Idaho

370.05

- .08

Page 22

369.97 = 369.96

39th St P.L.
Manzanita Dr.

4.17	248.24	249.07
27+60 ^E		4.06
+71 ^E		3.95
+77 ^E		4.58
28+15 ^E		12.90
28+51		14.0
		4.99
		4.17
		249.07 = 249.07

West
Williams
Varontakis

27

Top west edge sewer MH @ Manzanita

Begin cone driveway 0.9 RT ~~997~~
9381

end cone slab driveway 0.9 RT

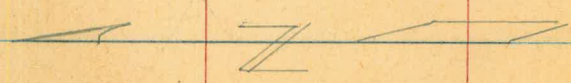
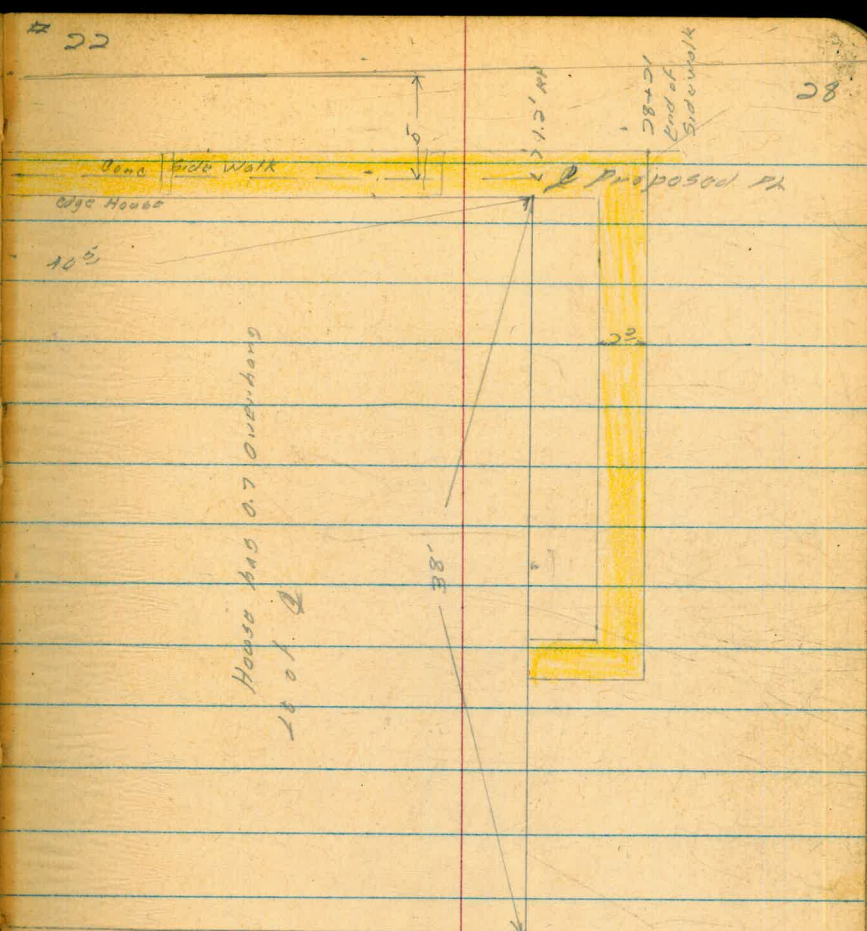
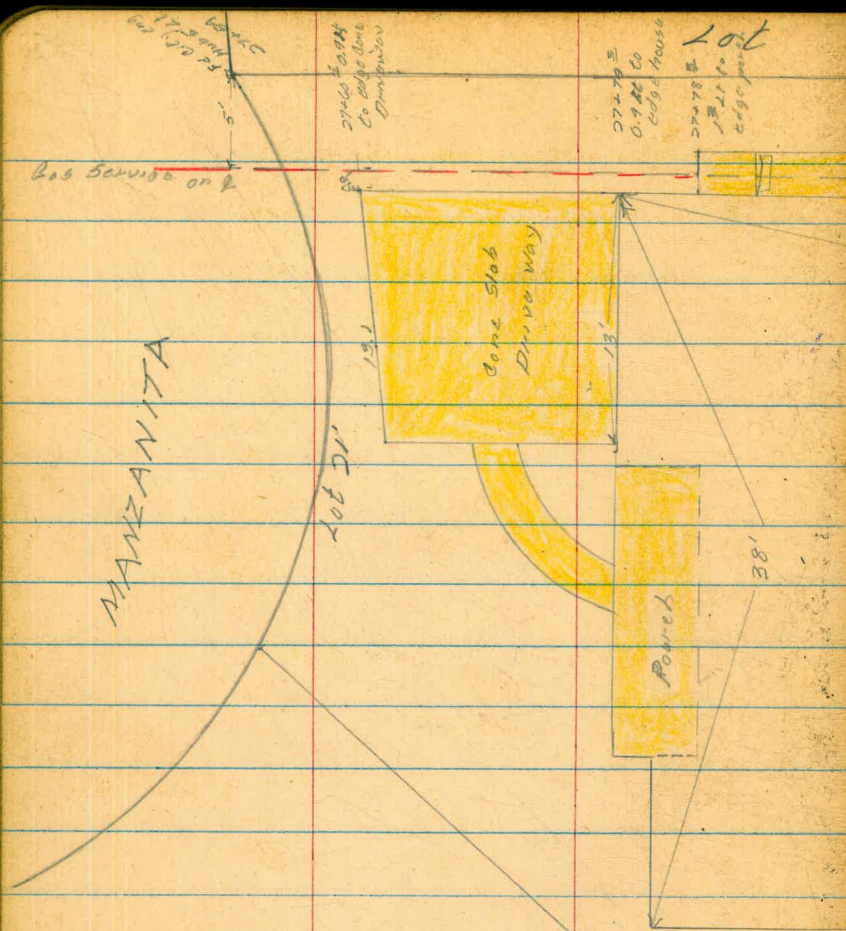
Top cone point

on cone sidewalk at rear of house

end of sidewalk

Top city engr. 5' at 27+51

MANANITA



West
Williams
Varan Fakis 3-5-54

39TH ST.
 THORN TO JUNIPER
 ⑥ GRD. S FOR 12" A.C. WATER

May 28, 1954
 BEATTY
 SUREY
 MARTELL

30.

BM.	4.59	307.56		302.97					
SET TBM.	8.59	310.57	5.58	301.98					
SET TP.			5.17	305.20					
0+50	EXISTING 16" TEE				298.84				
0+55	12" GV. (CITY)		5.5	305.1	298.8	063	3050	Elev. Ground line & pipe	
0+70	F.H. TEE		5.1	305.5	298.9	066	52		
0+85	F.H. TEE		4.8	305.8	299.0	068	50		
	③ F.H.		5.7	304.9	303.2	017	059		305.1
1+00			4.9	305.7	299.1	066	51		304.6
1+50			4.5	306.1	299.4	067	45		.50
2+00			4.3	306.3	299.6	067	44		25
2+50			4.5	306.1	299.9	063	46		304.85
3+00			4.6	306.0	300.1	059	46		304.75
3+50			4.8	305.8	300.4	054	48		
4+00			4.9	305.7	300.3	054	49		
4+50			5.0	305.6	299.6	054	060		
5+00			5.2	305.4	288.7	076	062		
5+50			5.6	305.0	297.9	073	071		
6+00			6.5	304.1	297.2	071	069		
6+50			7.4	303.2	296.6	068			
CK TBM	8.59	301.98							

Conc Man
 NW Cor. 29 & Redwood

8/12/54
 AVA CHAMBER
 STA 3+59
 Fin Elev 304.75
 301.98 ID
 9.00
 310.98
 4.96
 306.02 C137
 9.70
 306.28 F307

39TH ST.
(Cont.)

310.57

7+00			8.3	302.3	295.9	C64		84
7+18.87	✕ PT.		8.6	302.0	295.6	C64	85	82
7+50			8.9	301.7	295.2	C65		88
7P	2.00	303.98	8.59	301.98				85
8+00			2.7	301.3	294.7	C66		86
8+50			2.9	301.1	294.1	C70		88
9+00			3.4	300.6	293.6	C70		89
9+50			4.6	299.4	292.6	C68		88
10+00			6.7	297.3	290.9	C64		87
10+50			8.7	295.3	289.1	C62		81
11+00			10.9	293.1	287.4	C57		100
11P	1.24	292.06	13.16	290.82	285.6	C52		109
12+00			3.7	289.4	282.8	C46		113
12+50			5.8	286.3	282.0	C43		287.8 283
13+00			7.1	285.0	280.2	C48		50
13+50			9.1	283.0	278.4	C46		85
14+00			10.5	281.6	276.8	C48		10.5
14+08.5	12" x 6" Cross		10.7	281.4	276.5	C49		10.8
14+13.5	12" GV.		10.8	281.3	276.2	C50		109
14+31.52	✕ PT.		11.4	280.7	275.8	C49	113	8
14+50			12.4	279.7	275.2	C45		13.2
14P	0.40	279.21	13.25	278.81				8
15+00			2.2	277.0	272.4	C46		20

5/23/52

31.

39TH ST
(Cont'd.)

5/28/52

32

279.21

15+50			4.0	275.2	269.6	C56		
16+00			5.9	272.3	267.4	C59		
16+50			9.3	269.9	265.3	C46		
17+00			10.8	268.4	263.2	C52		
17+50			11.7	267.5	261.1	C62		
P 18+00	2.81	269.34	12.68	266.53	259.0	C75		
18+50			4.4	264.9	256.9	C80		
19+00			8.4	260.9	254.0 251.4	C69		
19+25			11.3	258.0	251.0 249.0	C50 C70		
P 19+50	0.74	260.31	9.77	259.57		SE Cor. Conc. Wall		
P 20+00	0.01	248.52	11.80	248.51	244.4	C86	6/2/52	(Orig. ground obliterated by pioneer road.)
20+50			6.9	241.6	237.6	C40		
P 20+75	1.55	238.90	11.17	237.35	234.2	C32		
21+00			6.1	232.8	230.2 229.8	C26		
P 21+25			11.23	227.67	223.8	C39		
P 21+50	1.69	227.47	13.12	225.78		(Rock)		
P 21+75	0.33	215.03	12.77	214.70	214.4	C49	6/7/52	
P 22+00	0.24	202.41	12.86	202.17	196.0 194.6	C62		
22+25			7.7	194.7	190.2	C15		
P	0.15	189.82	12.74	189.67				

39th St.

(Cont'd)

6/7/54

33

189.82

22+50			2.0	187.80	185.0		C28
22+75			8.0	181.80	178.0		C38
23+00	0.00	177.17	12.65	177.17	180.2		
23+12			1.7	175.5	169.8		C57
23+12			4.4	172.8	164.8		C80
23+27.64	X PT		7.3	169.9	164.3		C56
23+50			9.0	168.2	163.4		C48
23+75			10.0	167.2	162.6		C46
24+00			10.2	167.0	162.6		C44
24+20	6" Conc. ENC. 11 1/4" BEND		9.7	167.5	162.6		C49
24+25			9.6	167.6	162.6		C40
24+50			7.0	170.2	166.3		C24 C39
24+63 ⁰⁰ BK. 24+67 ¹⁰ AH. X PT			4.0	173.2	169.1		C26 C41
24+75	13.04	190.13	0.08	177.09	175.4		C25 C40
25+00	13.24	203.32	0.05	190.08	187.5		C23 C38
25+50	13.21	216.29	0.24	203.08	189.0		C28 C43
25+64.88	X PT (40°03'30")		0.80	215.49	209.5		C28 C43
25+75	12.93	238.64	2.64	225.71	219.0		C66
25+90.14 BK. 25+91 ²⁰ AH. X PT			9.4	229.2	223.9		C52
26+00	13.23	251.69	6.9	231.7	225.8		C59
26+25			11.5	240.2	234.0		C62

6/9/54
ErectyNOTE:

pipe moved 25 LT(E)
from X PT. 25+90.14 BK TO
25+91.20 AH TO
X PT. 27+04.77

228.1	227.8
10.5	10.8
0	4

6/9/52

24

39th St.
(Cont'd)

251.69

26+50			3.5	248.7	243.8	C44	
26+75			1.1	250.6	245.2	C54	
27+00	2.72	1 1/2" 253.58	0.85	250.80	245.6	C59	
27+25	0620 0637 x PT. $\Delta = 10^{\circ}16' RT.$		1.8	251.8	245.7	C61	253.58 2.69 250.89
27+25			2.8	250.8	246.0	C48	
27+35	3660 12" 9" V.		2.9	250.7	245.7	C50	
27+40	4160 12x6" Tee		3.0	250.6	245.6	C50	
27+50			3.1	250.5	245.4	C51	
27+58 1/4 BK 27+56 27 1/4 x RT. $\Delta = 63'$			3.8	249.8	244.7	C51	
28+00			9.3	244.3	239.8	C45	
28+25	0.42 11/2" $\Delta 13^{\circ}21' LT$	12.70 240.88	3.6	237.7	233.8	C39 (5) E C47 (6) W	238.1 23
28+38	7 PT. $\Delta 13^{\circ}21' LT$		6.8	234.5	230.7	C38 (5) E C42 (6) W	234.5 48
28+50			9.5	231.8	227.8	C40	
29+00	0.99	229.02	13.27	228.03	212.8	C39	
29+50			10.3	218.7	215.1	C39	
29+50	0.34	216.15	13.21	215.81	198.8	C35	
29+50	0.12	203.33	12.94	203.21	197.5	C35	
29+75			0.9	202.4	188.9	C38	
29+85 5/8 BK 29+84 5/8 1/4 x RT. $\Delta = 45^{\circ}30'30" RT$			10.6	192.7	180.2	C38	
29+84	3.51	193.28	13.36	189.97	185.6	C44	
30+00			6.8	186.7	180.0	C62	

NEW Cop
Cor Conc. Gar. Driveway

(KELLY)

39TH ST.
(Cont'd.)

6/9/54

35.

193.48

30+12		9.8	183.7	179.0	C47
30+16		11.3	182.2	179.0	C32
30+27	Conc. Encasmt.	11.9	181.6	179.0	C26
30+50		8.1	185.1	179.0	C64
30+ 67 ⁶⁴⁹³	X RT A=30°26'30"LT	2.6	190.9	186.3	C46
H	12.75 206.22	0.01	193.47		
30+75		10.4	195.8	191.2	C46
H	13.23 219.39	0.06	206.16	202.4	
31+00		12.5	206.9	203.2	C45
31+25		1.2	218.2	212.8	C54
H	12.43 231.39	0.43	218.96		
31+50		3.5	227.9	223.0	C42
H	12.79 243.37	0.81	230.58		
31+75		7.3	236.1	230.6	C55
32+00		2.4	241.0	235.8	C52
H	9.13 252.17	0.33	243.04		
32+50		7.3	244.9	240.6	C43
33+00		5.5	246.7	243.0	C37
33+31 ⁸ BK					
33+33 ⁵⁰ BK	RT. A=33°40' RT.	3.7	248.5	244.6	C39
H	5.75 255.30	2.62	249.55	245.0	
33+50		6.1	249.2	245.1	C42
33+66°	12" x 6" Tee	5.7	249.6	245.3	C43

Car WALK 4008 Pepper

6/11/54

245.6

36

0

249.5

28

0

249.8

5.5

0

39TH ST
(Cont'd)

6/11/54

30.

255.30

34+00		4.9	250.4	245.8 246.2	C46	250.3 50
34+23 ²⁸	8' ST 1-17°52'30"	4.2	251.1	246.2 246.6	C49	250.8 45
34+50	2" AVA	3.2	252.1	246.6 247.0	C55	252.0 79
35+00		2.0	252.3	246.6	C67	252
35+50		2.4	252.9	246.2	C67	252
36+00		3.8	251.5	245.0	C65	252
36+50		5.9	249.4	242.8	C66	253
37+00		7.6	247.7	240.2	C75	254
37+ ¹⁴ 15	12x6 TEE	8.5	246.8	239.4	C74	254
37+50		11.1	244.2	237.6	C66	254
P 38+00	0.05 242.02	13.33	241.97			254
38+00		1.7	240.3	235.0	C53	254
38+50		4.5	237.5	232.4	C51	254
39+00		6.0	236.0	230.2	C58	254
39+50		7.2	234.8	229.2	C56	254
40+00		9.2	232.8	228.0 229.0	C48	254
40+ ³² 36	12" GV, 11/2" Road CITY	10.3	231.7	228.0 228.9	C37	254
40+ ³⁸ 39	10" TEE CITY			228.0 228.9	?	254
CK BM		7.57	234.05 =	234.44		

NAIL IN PO. POLE
NW COR 39TH & JUNIPER

39TH ST.

6/11/54

37.

(Cont'd.)

WATER METERS

255.30

34+23 Ely		3.7	251.6	251.6	C02	2439	39 TH
34+76 Ely		2.7	252.6	251.4	C12	2431	"
35+51 Ely		2.9	252.4	250.9	C15	2421	"
36+03		4.9	250.4	249.7	C07	2411	"
36+50		6.8	248.5	247.7	C08	2403	"
38+10	242.02	4.5	237.5	237.5	C09	2325	"
39+18		6.3	235.7	234.2	C15	2313	"
TBM.	0.22	261.27	261.05		spike in pole		
26+03	255 RT	11.1	250.2	249.1	C1	3910	MANZANITA
27+46	44' RT	11.9	249.4	248.7	C07	3901	"
27+59	4' RT	10.9	250.4	250.0	C06 C00 replaced To Conc Jwy	3907	"
			2.67	256.6	86' Ely along Nor R		
CK TID			10.44 250.83 +0.37 250.90	Wrong Car			

GRADE SET for AWA

TID	4.27	255.11	250.84				
27+25 =	7' Nly & 17' Ely E of Barjo	8.07	247.04	249.95	F290 Top of pipe		
		2.75	250.36	249.95	C041 Gink		
	8.69	261.67	2.13	252.98			
CK TBM			0.60	261.07 = 261.05	Spike in pole		
TID	5.69	255.24	249.55				
32+50 =	10' Ely, 26' Sly BC	8.41	246.83	251.37	F454 Top of pipe		
		3.23	252.01		C064 Gink		

HAWLEY BLVD.
 MT. VIEW DR. TO ALLEY So. of COLLIER
 ⑤ G.R.O.S for 6" AC. WATER

JUNE 4, 1954

38

BM.							
	3.11	396.85		393.74		Top FH SE Cor ADAMS AVE & HAWLEY BLVD.	
24+68				388.2			
24+60	10" CROSS (CITY)	4.65	392.2	387.9	C 40	392.41	Elev. Top Part of pipe
24+60		4.64	392.2	387.9	C 42	4.40	
24+50		4.60	392.25	387.9	C 39	92.47	
				388.4		4.42	
24+00		4.56	392.29	388.0	C 38	92.43	
				388.5		4.42	
23+50		4.50	392.35	388.0	C 38	92.50	
				388.6		4.39	
23+00		4.51	392.34	388.0	C 38	92.55	
				388.6		4.3	
22+50		4.47	392.38	388.0	C 38	92.56	
				388.6		4.39	
22+00		4.42	392.43	388.1	C 37	92.59	
				388.7		4.36	
21+50	4.81	397.40	4.26	392.59	C 38	92.70	
				388.7		4.15	
21+25		4.65	392.75	388.8	C 40	92.74	
				388.2		4.66	
21+00		5.03	392.37	388.7	C 37	92.44	
				388.7		4.96	
20+75		5.19	392.21	388.0	C 36	92.38	
				388.6		5.02	
20+50		5.08	392.32	388.6	C 37	92.52	
				388.1		4.88	
20+00		4.99	392.41	388.7	C 37	92.57	
				388.2		4.83	
19+50		4.89	392.51	388.8	C 37	92.61	
				388.4		4.79	
19+00		4.81	392.59	388.9	C 37	92.66	
				388.5		4.74	
18+50		4.73	392.67	389.0	C 37	92.76	
				388.7		4.64	
18+00		4.63	392.77	389.1	C 37	92.91	
				388.9		4.59	
17+50		4.43	392.97	389.2	C 38	93.04	
				389.0		4.56	
17+00		4.27	393.13	389.2	C 39	93.23	
				389.0		4.17	

HAWLEY BLVD.
(Cont'd)

6/4/54

39

397.40

16+50		4.31	393.09	389.3 389.1	C38	+73.23 4.17
16+00		4.14	393.26	389.5 389.2	C38	93.38 4.02
15+50		4.10	393.30	389.6 389.3	C37	93.40 4.00
15+00		3.97	393.43	389.7 389.4	C37	93.57 3.82
14+816	6"GV	3.64	393.76	389.7	C41	93.73 3.67
14+766	6" Cross City			389.7 389.5		
14+716	6"GV	3.53	393.87	389.7 389.5	C42	93.89 3.51
14+50		3.51	393.89	389.8 389.5	C41	93.94 3.46
14+00	5.21	3.89	393.58	389.8 389.6	C38	93.78 3.62
13+50		5.11	393.68	390.0 389.7	C37	93.84 4.05
13+00		5.00	393.79	390.1 389.9	C37	93.93 4.06
12+50		4.81	393.98	390.3 390.0	C32	94.16 4.03
12+00		4.65	394.10	390.4 390.2	C37	94.31 4.08
11+50		4.77	394.02	390.5 390.2	C35	94.19 4.00
11+00		4.60	394.19	390.6 390.3	C36	94.37 4.02
10+50		4.43	394.36	390.7 390.3	C37	94.51 4.28
10+00		4.31	394.48	390.8 390.4	C37	94.63 4.16
9+50		4.20	394.59	390.9 390.5	C37	94.76 4.03
9+00		4.11	394.68	391.0 390.5	C37	94.76 4.03

HAWLEY BLVD
(Cont'd.)

6/2/54

20

8+50		398.79					
			4.10	394.69	391.0	C37	94.83
8+21°	6" GV				390.6		392
			3.98	394.81	391.0	C38	94.85
					390.6		392
8+162 AL	6" Cross	CITY			391.0		
8+235 BK.					390.7		
8+185	6" GV		3.80	395.0	391.0	C40	94.76
					390.7		353
8+00			3.78	395.01	391.1	C39	95.02
					390.9		377
7+50	4.31	399.20	3.90	394.89	391.2	C37	95.07
					390.6		372
7+00			4.33	394.87	391.2	C37	95.01
					390.6		4.19
6+50			4.42	394.78	391.1	C37	94.97
					390.5		4.33
6+00			4.44	394.76	391.1	C37	94.73
					390.5		4.37
5+50			4.57	394.63	391.0	C36	94.85
					390.5		4.35
5+00			4.61	394.59	390.9	C37	94.78
					390.4		4.42
4+50			4.73	394.47	390.8	C37	94.67
					390.2		4.53
4+00			4.79	394.41	390.7	C37	94.62
					390.0		4.58
3+50			4.78	394.42	390.6	C38	94.62
					390.7		4.58
3+00			4.86	394.30	390.6	C37	94.51
					390.3		4.67
2+50			4.91	394.29	390.6	C37	94.48
					390.3		4.72
2+00			4.91	394.29	390.6	C37	94.43
					390.2		4.77
1+50			5.10	394.10	390.6	C36	94.23
					390.2		4.97
1+00			5.22	393.98	390.3	C37	94.13
					390.2		5.07
0+60.	(CITY) 6" Tapping Sleeve 2.50	398.60	5.10	394.10	390.3	C38	5.11
CK 24+95	MANFIELD		4.37	394.23 = 394.46	390.2		

FB 896 89 11

HAWLEY BLVD
(Cont'd.)

6/4/54

41

WATER METERS (marked on curb)

24+4.2 E	4745 HAWLEY	13+00	4919 Hawley
23+93 E	4759 "	12+71	4929-4927 "
23+30 E	4763 "	12+11	4937-4935 "
22+89 E	4769 "	11+63	4943 "
22+42 E	4783 "	11+19	4951 "
21+72 E	4787 "	10+41	4965 "
20+96 E	? Collier	10+07	4971 "
20+50 E	4805 HAWLEY	9+43	4977 "
20+10 E	4809 "	9+00	4985 "
19+50 E	4819 "	7+00	5011 "
19+00 E	4825 "	6+43	5019 "
18+85 E	4837 "	6+00	5025 "
18+50 E	"	5+71	5037 "
18+10 E	4843 "	5+00	5045 "
17+59 E	4855 "	4+82	5049 "
17+29 E	4859 "	4+57	5051 "
16+90 E	4867 "	4+13	5059 "
16+44 E	4875 "	3+47	5067 "
15+50 F	4881 "	2+98	5075 "
14+03 E	4903 "	2+50	5081 "
13+46 E	4909 "	2+20	5087 "
		1+75	5093 "

ELLISON PL.
 MT. VIEW DR. 245' NEIN
 (45) GRDS. for 6" A.C. WATER

BM.	3.77	?
1+27	4.35	
1+50	4.41	
2+00	4.66	
2+50	4.75	
3+00	4.97	
3+50	5.18	
3+70	5.22	

WAT. METS (maked on curb)

1+67⁵ E
 1+98⁵ E
 2+75 E
 2+86 W
 3+04 E
 3+31 W
 3+32 W
 3+33 W
 3+32 F
 3+33 E
 3+34 E

JUNE 4 1952
 BEATTY
 SHREY
 MARTELL

43

CP NWly Cor Mt View E Ellison Pl.

CA?	Elev	Groundline	Epice
CA?	49		
CA?	49		
CA?	49		
CA?	52		
CA?	52		
CA?	52		
CA?	52		

All cuts
 maked CA?
 from top of
 Existing Curb

ALLEY BLKS 22 & 31
 NOR. of UNIVERSITY & EAST of 48TH
 (5) GRD.S for 6" WATER

JUNE 2, 1952
 BEATTY
 SHERRY
 MARTEL
 Alexander

44

B.M.	13.03	325.39		312.36						
11)	13.36	338.70	0.05	325.34						
11)	6.75	345.21	0.04	338.66						
12+965										
13+03	6" G.V. (City)		3.6	339.5	336.5	C33		339.7	Elev Ground line & pipe	
	Exist 6" CI		Top 8.4		336.1			5.2		
			Bot 8.9		336.5					
12+50			6.5	338.9	335.6	C33				
12+00			6.1	339.3	337.8	334.0	C53			
11+50			10.0	335.4	329.5	330.0	C54			
11)	0.66	333.26	12.81	332.60						
11+00			3.8	339.5	323.0	323.5	C62			
10+75			9.6	323.7	318.4					
11) (old 11)	3.06	322.74	11.58	321.68 =	321.77					
										FB 882 pg. 5
10+50			9.0	315.7	311.6					
10+375	11 1/4 BEND		13.8	310.9	306.0					
10+00	11 1/4 BEND		10.4	312.3	306.0					
9+75			3.8	320.9	312.0					
9+50			2.0	322.7	316.5					
11)	12.86	337.47	0.13	324.61						
9+25			12.0	325.5	319.5					
9+00			10.1	327.4	322.4					
8+50			6.2	331.3	326.5					
8+00			3.3	324.2	330.6					
7+75			1.5	336.0	331.7					
7+50			0.6	336.9	331.8					

ALLEY BLK 22431
(Cont'd.)

6/14/54

45

	337.47					
7+25		1.7	335.8	331.4	C44	14
7+00 6+96	ENTER	3.6	333.9	330.1	C38	34
7+00	0.55	334.83	3.19	334.28 = 334.85	Rim Sew. MH	
6+57 1/2 Nly R Pole						
6+54 6+54 Dust GN.				328.5		
6+50		1.3	333.5	329.6 327.7	C39	11
6+00		2.5	332.3	328.0 325.5	C43	25
5+50		5.3	329.5	325.6 323.3	C39	50
5+00		8.4	326.4	321.1	C53	77
4+75		9.4	325.4	320.0	C54	85
4+50		6.9	327.9	321.0 320.6	C19	76
4+25		4.5	330.3	323.8	C65	50
4+00		2.3	332.5	326.5 327.3	C60	24
7+00	12.53	345.03	2.33	332.50		
3+75		10.8	334.2	328.8	C54	111
3+50		10.4	334.6	330.0	C46	107
3+00		9.0	336.0	331.8	C42	91
2+75		7.8	337.2	332.7 322.7	C45	81
2+50		6.9	338.1	333.6 323.6	C45	71
2+00		4.1	340.9	335.4 325.4	C55	50
1+50		1.8	333.3	337.2 327.2	C60	21

ALLEY BLKS
(Cont'd)

22 & 31

6/14/52

46

P		345.03	0.71	344.32			
1+00	5.38	349.70	5.1	344.6	339.0	C56	52
0+80	6 ⁰⁰ GV (City)		4.9	344.8	339.7	C51	52
CK BM			2.85	346.85 = 346.87			

PP NW Cor Orange & Estrella

WATER METERS

		345.41					
12+06 W			1.3	344.1	338.8	C53	
11+72 E			7.6	337.8	336.0	C18	
11+70 W			6.5	338.9	335.9	C30	
11+27 W			11.6	333.8	331.4	C24	
10+46 W	324.74		9.8	314.9	320.9	F62	
9+52 E			2.7	322.0	321.4	C06	
9+17 W	337.47		11.6	325.9	324.3	C16	
8+75 E			7.8	329.7	327.8	C19	✓
8+72 W			6.9	330.6	328.2	C20	
8+42 E			5.4	332.1	330.7	C14	
8+21 W			2.7	334.8	332.5	C23	
7+66 W			12.4	339.9	335.5	C4E	
7+49 E			1.0	336.4	335.7	C07	
7+23 W			1.23	339.8	335.4	C14	

ALLEY BLKS. 22 & 31
(Cont'd.)

6/15/54

47.

	337.47			
7+22 E		1.8	335.7	3352 C05
6+98 E		3.6	333.9	3326 C03
	334.83			
5+79 W		2.5	332.3	3310 C13
5+11 W		5.8	329.0	3283 C07
4+92 W		6.7	328.1	3279 C02
4+59 E		8.7	326.1	3279 F18
4+41 E		6.6	328.2	3284 F02
4+01 W		3.0	331.8	3307 C11
	345.03			
3+95 E		11.8	333.2	3310 C22
3+46 W		10.3	334.7	3337 C10
3+07 W		9.1	335.9	3354 C05
2+93 E ?		8.6	336.4	3362 C02
2+85 E		8.1	336.9	3363 C06
2+71 E		7.6	337.4	3369 C05
2+68 W		7.5	337.5	3370 C05
2+15 W		5.5	339.5	3391 C04
2+13 E		4.9	340.1	3393 C08
1+63 W		2.6	342.4	3412 C12
1+45 E		1.3	343.7	3420 C17
1+10 W		0.8	344.2	3434 C08
	349.70			
1+01 E		5.1	344.6	3438 C08

44th St.
OLIVE to MAPLE
⑤ GROUND for 6" WATER

6/15/52

48

BM	12.77	292.94		280.17			
11D	8.23	292.25		280.28			
CK BM		301.85					
11	5.53	290.67	0.10	293.15	292.84		
7+05	6" G.V. (Cty)		10.14	280.47	280.16 = 280.17		
			0.14	285.08	284.77		
7+00			9.1	276.1	273.0	C31	028
				275.8			
6+50			9.1	275.8	272.9	C32	029
				274.6			
6+00			10.3	274.9	272.0	C39	026
				274.9			
5+50			10.0	275.2	271.8	C34	031
				274.3			
5+00			10.6	274.3	271.0	C96	C33
				274.6			
4+50			11.2	273.7	271.0	C98	C27
				273.6			
4+00			8.1	276.8	272.2	C99	C36
				277.1			
3+50				282.7			
			2.2	283.0	279.4	C96	C33
3+00	1.24	285.22	12.84	283.98	283.67		
				284.6			
2+50			8.2	288.6	284.4	C63	C39
				288.5			
2+00			4.2	292.3	286.6	C60	C57
				292.6			
1+50			3.6	292.9	288.0	C52	C49
				292.2			
1+00			3.9	292.6	288.9	C40	C37
				292.9			
0+50			3.0	293.5	289.8	C40	C37
				293.8			
0+45			1.3	295.2	290.7	C48	C45
				295.5			
0+40	0.76	296.51	5.32	296.06	295.75		
				296.8			
0+35			4.7	296.7	291.6	C51	C48
				296.2			
0+45	6" G.V. Cont.		4.6	296.8	291.9	C49	C46
				296.5			

CE. F.B. 1652-38 = 280.17
BENCH BOOK = 280.48
?

NW BR Fairmount & Maple

301.07
301.38
Levels go up page

44TH ST.

(Cont'd)

WATER METERS

6/5/54

49

8	1428 E	296.82 296.51	1.5	295.9 295.3	2940	C12 C12	2737 44 TH
7	1452 W		2.3	294.3 292.5	2941	C04 C06 C03	2734
7	2405 W		3.0	293.5 292.8	2930	C08 C05	2726
7	2412 E			292. 292.6	2924	C02 C02 F01	2721
6	2450 W		2.7	293.8 292.1	2921	C06 C02 C19	2716
6	2489 E		4.3	292.2 292.5	2905	C20 C20 C19	?
5	3400 W		3.3	293.2 292.5	2906	C29 C32 C27	2706
5	4400 W		10.8	285.7 285.0	2864	F04 F07	2642 - 2644
4	4435 E	285.22 284.91	5.9	279.0 279.3	2841	F08 F5!	?
4	4450 W		2.8	282.1 282.4	2839	F05 F05 F08	?
3	5486 W		3.6	281.3 281.6	2805	C11 C23 C19	?

orig

w/ moved out

Corrected
for P.M.

OLIVE ST
 ALLEY of FAIRMOUNT to HIGHLAND
 (5) GRDS for 6" A.C. WATER

JUNE 22, 1952
 BEATTY
 SHERRY
 ALEXANDER

50

See Note p 51

TBM	6.29	300.97		294.68				
60 2+45	6" GV. (City)		5.0	296.0	291.8	C42	296.0	Elev. Ground line & pipe
3+00			4.6	296.4	291.9	C45	296.4	
3+50			4.4	296.6	292.1	C45	296.7	
4+00			4.5	296.5	292.2	C43	296.4	
4+163			4.6	296.4	292.2	C43	296.4	
4+39.90	6" TEE		4.5	296.5	292.1	C44	296.5	
4+50	0+45 4437		4.5	296.5 =	296.5	(corrected)	296.5	
4+67.9	FH TEE		4.5	296.5	291.9	C46	296.5	
(5) FH. (= 21' 30" ± st)			4.6	296.3	295.6	C07 C14		
4+75			4.6	296.4	291.8	C46	296.4	
5+00			5.0	296.0	291.2	C48	296.0	
5+50			6.3	294.7	290.1	C45	294.8	
5+70	1.85	295.67	7.15	293.82			293.8	
6+00			2.5	293.2	289.0	C42	293.1	
6+25			3.8	291.7	288.0	C47	291.9	
6+50			5.2	290.5	286.1	C44	290.6	
7+00			9.4	286.5	280.1	C64	286.5	
7+10	2.64	285.56	12.75	282.92			282.9	
7+50			6.4	279.2	271.0	C82	280.1	
7+69.8	2" BO		9.9	275.7	267.9	C98	275.9	
CK			11.84	273.72 -	273.70	Correc. Men.		FD 823 pg 54

OLIVE ST.

(Cont'd.)

WATER METERS

300.97

6/22/54

51

2+87 So.	5.1	295.9	295.6	CO3 ✓	Wat met	225 Nor & 22° So & St
3+55 So.	4.7	296.8	296.8	CO2 ✓		4375 Olive
4+96 So	4.9	296.1	295.2	CO9		2744 44TH
5+76 So	1.9	294.1	293.4	CO7		2743 44TH
6+01 So						4421 Olive
6+19 Nor	3.0	292.0	292.4	FO4		? Olive
6+20 Nor	3.0	292.0	292.3	FO2		2818 Highland
6+26 So	3.5	291.5	291.6	FO1		?
6+27 So	3.8	291.2	291.5	FO3		?
6+53 So	4.8	290.2	289.6	CO6		4429 Olive
6+25 Nor	3.3	291.7	292.2	CO2		4428 Olive
6+74 Nor	6.9	288.1	287.6	CO5		4430 Olive

NOTE: Stationing shown is
7' short to match plotted
work, Diag. 2684-W Sheet 1
See F.B. 823 p. 52 note
by REB 1-27-55

887 2-3-55

ALLEY BLKS. 23 d30
 NOR. OF UNIVERSITY: EAST OF ESTRELLA
 (D) GEO. 3 for 6" A.C. WATER

JUNE 24, 1950
 BEATT
 SHREVE
 ALEXANDER

52

BM.							
	4.50	316.86		312.36		BP NE Cr., 49th & UNIVERSITY (FB 533 pg. 25; pg 44 this book)	
0+85	Beginning of work		2.3	314.6	311.1	C35	314.6 Elev. Ground line & pipe.
1+00			2.7	314.2	310.0	C42	28
1+125	11 1/2" Bend		2.9	314.0	308.0	C60	26
1+125	3.77	310.66	9.97	306.89			
1+50	22 1/2" Bend		11.5	299.2	295.4	C38	11.2
1+92	} Conc Encls.		13.7	297.0	"	C28	11.2
1+95							
2+03			11.3	299.4	"	C40	11.0
2+25			9.4	306.3	295.4	C59	14.0
2+50			2.0	308.7	297.6	C11	5.1
3+00				309.7			
3+00	12.58	322.93	8.31	310.35	303.4	C63 Reset	1.8
3+50			7.5	315.4	309.2	C62 ✓	8.8
3+75			5.6	317.3	312.0	C53 ✓	7.1
4+00			4.4	318.5	313.6	C49 ✓	5.9
4+50			1.7	321.2	315.8	C54 ✓	3.2
4+50	11.18	333.93	0.18	321.75			
5+00			10.4	323.5	318.1	C52 ✓	10.9
5+25			9.3	324.6	319.2	C54 ✓	9.9
5+50			9.1	324.8	320.0	C48 ✓	9.2
6+00			8.8	325.1	321.5	C96	9.2
6+50			6.2	327.7	323.1	C46	6.9
6+79	54" R. POLK		5.4	328.5	324.1	C46	5.9
6+85					323.9		
7+00	12.31	340.63	5.61	328.32			

ALLEY BUL 5 23 230
(Cont'd)

6/28/52

53

340.63

7+19 7+18 NY & PAIK			11.7	328.9	324.7	C42	12.1
7+50			8.6	332.0	327.1	C49	9.6
8+00			5.3	335.3	330.8	C45	5.7
8+50			2.4	338.2	339.8	C42	3.2
HP	11.52	351.93	0.22	340.41			
9+00			10.2	341.7	336.8	C49	11.6
9+50			7.7	344.2	339.8	C44	8.2
10+00			5.8	346.1	341.6	C45	6.4
10+50			4.7	347.2	342.9	C43	5.1
11+00			3.2	348.7	344.2	C45	3.6
11+50			2.6	349.3	345.4	C39	2.7
12+00			2.6	349.3	345.0	C43	2.7
12+50			3.3	348.6	342.3	C63	3.8
12+75			4.3	347.6	344.0 340.5	C71	5.7
13+00			8.4	343.5	340.6 339.0	C45	8.4
13+20	6" GV CITY		10.2	341.7	339.8 338.0	C97	9.7
HP	2.29	350.57	3.65	348.28			
CK BM			1.98	348.59	= 348.45		
CK BM			3.68	344.59	= 346.87		

FB 833, pp. 27
BM BP on church steps SE Cor. Orange & Estrella
BP NW Cor. Orange & Estrella

ALLEY BLS 23 & 30
(Cont'd.)

6/24/52

WATER METERS

1+10 E No Existing Mtr	316.86	2.6	314.3	313.3	C10	
1+40 E No Existing Mtr	310.66	9.4	301.3	308.8	F75	
1+72 E		12.2	298.5	304.7	F62	
2+06 E		11.1	299.6	302.5	F29	
2+25 W		2.0	300.3	302.0	F12	
2+61 E		2.5	308.2	304.1	C41	
3+27 W	322.93	11.8	311.1	311.8	F02	✓
3+31 E		8.0	314.9	311.6	C33	✓
3+92 E		5.0	317.9	317.7	C02	✓
4+25 W 4+20		6.3	318.6	318.3	F17	✓
4+48 E		2.0	320.9	320.0	C09	✓?
5+28 E	333.93	9.2	324.7	323.5	C08	✓?
5+46 E		9.1	324.8	324.0	C08	✓?
5+85 E		9.0	324.9	325.2	F03	
6+21 E		6.3	327.6	327.0	C06	
6+52 W		6.9	327.0	326.9	C01	
6+75 W		5.6	328.3	327.5	C08	
6+76 W		5.9	328.0	327.6	C04	
6+78 E		4.9	329.0	328.2	C08	
7+20 E	340.63	10.9	319.7	328.6	C11	
7+20 W		12.1	328.5	328.2	C03	
7+21 W		11.5	329.1	328.3	C08	
7+50 E		8.2	332.4	331.1	C13	
7+81 W		7.2	333.4	333.3	C01	

311.1
1.9
309.7

Conc. Drive
Garage Appl.

6/28/52

ALLEY BLKS. 23 & 30
(Cont'd.)

6/28/54

55

WATER METS

340.63

7+92 E		6.0	334.6	334.4	C02
8+20 W		4.7	335.9	335.6	C03
8+38 E		3.1	337.5	337.0	C05
8+73 W		1.7	338.9	338.7	C02
8+93 E	351.93	11.2	340.7	340.2	C05
9+15 E		9.6	342.3	341.4	C09
9+20 W		9.2	342.7	342.7	C09
9+58 E		7.5	342.4	343.8	C05
9+68 W		7.5	342.4	343.8	C06
10+08 E		5.6	346.3	345.4	C09
10+15 W		6.2	345.7	345.2	C03
10+42 W	No Existing MET	5.3	346.6	346.3	C03
10+67 W		4.7	347.2	347.0	C02
10+86 E		3.5	348.4	347.7	C07
11+20 W		2.8	349.1	348.4	C02
11+34 E		2.8	349.1	349.2	F01
11+66 W		2.8	349.1	348.9	C02
11+80 E		2.2	349.7	349.2	C05
12+00 W	No Existing MET	2.4	349.5	348.4	C11
12+34 E		3.3	348.6	347.2	C14
12+71 W		3.3	348.6	345.0	C36

LINCOLN AVE.
 NORMAL TO IDAHO
 (3) GRDS FOR 12" A.C. WATER

JUNE 25, 1952

56

BM 2.55 363.66 361.11

BP SE Cor IDAHO & LINCOLN pg. 26 this book

16+58 Existing 12" C.I.

16+53 2.60 361.06 ~~356.9~~
~~357.5~~

C42

Using 42 as minimum cut.

361.02 Elev. Pavt & pipe
 2.64

16+50 2.57 361.09 ~~356.9~~
~~357.2~~

C42

61.04

16+00 3.32 360.34 ~~356.1~~
~~356.4~~

C42

60.24

15+50 4.24 359.22 ~~355.0~~
~~355.4~~

C42

59.12

15+00 5.43 358.13 ~~353.9~~
~~354.3~~

C42

58.06

14+50 6.27 357.19 ~~353.0~~
~~353.2~~

C42

57.04

14+00 8.53 355.13 ~~350.9~~
~~351.1~~

C42

55.06

13+50 10.58 353.08 348.9

C42

53.08

13+25 11.63 352.03 347.8

C42

51.91

13+00 12.78 350.88 345.4

C55

50.75

12+75 12.95 350.71 343.0

C72

50.66

12+68 13.05 350.61 342.9

C72

50.56

BM 0.76 351.70 12.72 350.94 = 350.93

BP SE Cor LINCOLN OREGON

12+50 1.97 349.73 342.8

C69

49.75

12+00 4.49 347.21 342.4

C48

47.11

11+75 6.50 345.70 341.0

C42

45.14

11+50 8.09 343.21 ~~342.2~~

C42

43.26

LINCOLN AVE P.L.
(Cont'd.)

6/29/54

		351.20							
41+00			12.23	339.47	335.5	40 C12			39.44
TD	0.78	339.37	13.11	338.59				12.26	35.74
40+50			3.40	336.0	331.9	C11 C12		3.63	
40+00			7.25	332.12	328.3	38 C12		7.40	31.97
39+50			11.07	328.30	324.6	37 C12		4.28	28.09
TD	3.26	329.63	13.10	326.27					25.75
39+00			3.78	325.85	321.0	C15		3.88	
38+96	12x6 Cross		3.88	325.75	320.9	C19	4.00		24.42
38+50			5.06	322.57	319.9	C17		5.21	
38+00			6.21	323.42	318.8	C16		6.32	23.31
TD	3.18	325.38	7.43	322.20	317.7	C15		7.55	22.08
37+50			4.52	320.86	316.6	C13		4.61	20.77
37+00			4.71	320.67	316.4	C13		4.77	20.61
36+87.5			5.20	320.18	316.0	C12		5.25	20.13
36+50			5.53	319.85	315.5	C14		5.66	19.72
36+00			5.75	319.63	315.0	C16		5.76	19.62
35+50			6.26	319.12	314.7	C14		6.27	19.09
35+14	12x6 Cross		6.46	318.92	314.6	C13		6.46	18.92
35+50			6.84	318.54	314.3	C12		6.87	18.51
34+50			7.21	318.17	314.0	C12		7.22	18.14
34+00			7.58	317.80	313.7	34 C12		7.51	17.77
33+50			7.67	317.71	313.4	C13		7.77	17.61
TD	1.31	319.02							

July 1, 1954
12:00 PM
Shorey

LINCOLN AVE PL.
(Cont'd.)

7/1/54

58.

	319.02						
32+50		1.59	317.43	313.1	C43	17.36	
32+00		1.69	317.33	312.7	C46	17.22	
31+50		2.21	316.81	312.3	C45	16.79	
31+36		2.00	317.02	312.2	C48	16.98	
CK. BM		2.21	316.81 = 316.908		OP. 5E Cor Texas		
31+00		2.70	316.32	312.0	C43	16.29	
30+50		5.07	313.95	309.5	C45	13.91	
30+00		7.90	311.12	306.9	C42	11.08	
29+50		10.56	308.48	304.4	CAL C42	308.41	
OK. S. Riv Sew M.H.	29136	11.35	307.67 = 307.67		See pg 24		
P	0.08	306.44	12.66	306.36			
29+00		0.83	305.61	301.1	C45	305.61	
28+50		3.55	302.89	297.8 298.6	C51 C43	302.90	
28+00		6.36	300.08	292.3 295.9	C38. C42	300.11	
27+85 ⁹² FH TEE		6.75	299.69	296.1 295.5	C30 C42	299.71	
27+56 ⁶⁰ 12x6' Cross.		7.52	298.92	295.0 294.7	C39 C42	298.97	
27+50		7.52	298.92	294.8 294.7	CAL C42	298.99	
27+1320 X PT		8.01	298.43	292.7 294.2	C37 C42	298.42	
27+00		8.35	298.09	292.6 293.9	C35 C42	298.11	

LINCOLN AVE PL
(Cont'd.)

7/1/50

59

Station	Description	Dist	Elev	Height	Code	Remarks
3 26+50		10.91	295.53	291.3 291.5	C42	95.57
3 26+00		0.20	293.03	288.8 289.1	C42	93.15
3 25+56.53	PT	2.37	290.86	286.9	C42	91.00
3 25+50		2.66	290.57	286.4 286.7	C42	90.76
3 25+00		5.03	288.20	284.0 284.7	C42	88.32
3 24+50		6.30	286.93	281.5	C59	86.74
3 24+00	PE nail	3.32	289.56	278.8	C74	86.75
3 23+72	12"x6" TEE	3.51	286.05	278.8	C73	86.08
3 23+50		3.77	285.79	278.9	C69	85.78
2 23+25		4.09	285.47	279.0	C65	85.52
2 23+00		3.65	285.91	279.4	C65	85.93
2 22+50		2.81	286.75	280.3	C64	86.73
2 22+00		2.04	287.52	281.2	C63	87.40
2 21+75		1.61	287.95	281.8	C62	87.85
2 21+50		1.78	287.78	282.4	C54	87.68
2 21+25		2.26	287.30	283.0	C43	87.21
2 21+00		2.90	286.66	282.4	C43	86.63

(July 7 1950)

CHECK MADE
ELEV. TOP CURB
FOR LOCATION 4" 30

24+27	8.76	286.24
24+30	8.45	292.19
24+10	8.86	
23+89	8.92	
23+73	8.99	
23+22	9.98	
23+00	10.73	281.46
22+75	10.85	281.34
22+50	10.70	281.49
22+25	10.73	281.86
22+00	9.84	282.55

LINCOLN AVE P.L.
(Cont'd.)

7/7/56

60

289.56

20+50		4.04	285.52	281.2	C43	85.48 4.08
20+25		4.64	284.92	280.6	C43	84.85 4.71
20+00		4.96	284.60	280.3	C43	84.51 5.05
19+97	12" x 6" Cross	4.93	284.63	280.2	C44	84.55 5.01
19+50	0.05 283.88	5.73	283.83	279.6	10 C42	83.80 5.76
19+00		3.08	280.8	276.3	C45	80.72 3.16
18+50		6.48	277.40	272.9	C45	77.34 6.52
18+25		8.30	275.58	270.5	C51	75.53 8.55
18+00		10.07	273.81	267.2	C66	73.78 10.12
17+97	PT	10.26	273.62	267.1	C65	73.60 10.28
17+50	0.42 271.07	13.23	270.65	266.0		70.26 13.28
17+00		0.83	270.24	266.2	C49 C42	66.77 0.81
17+00		4.23	266.84	262.6	C41 C42	63.21 4.30
16+50		7.80	263.27	259.2	C41 C42	61.92 7.86
16+29	PT	9.13	261.94	257.7	C42	61.67 9.15
16+25		9.29	261.78	257.4	C44	61.61 9.20
16+17	12" x 6" Cross	9.39	261.68	257.3	C44	61.52 9.26
16+00		9.53	261.54	257.2	C43	62.21 9.55
15+75		8.78	262.29	258.0	C43	8.86

JULY 9 1954
Same party

LINCOLN AVE PL
(Cont'd)

AUG. 11 1952
BEATTY
MARTELL
ALEXANDER

337.59

8+52	GN. By City					
8+57	12" x 8" Cross (By City)	6.14	331.45	326.9	C46	
8+37 ¹⁰	22 1/2" Board (By City)	5.88	331.71	326.8	C49	
8+00		5.83	331.76	326.7	C51	
7+63.61	12x6 TEE	6.41	331.18	326.4	C48	
7+50		6.60	330.99	326.3	C47	
7+00		7.07	330.52	326.0	C45	
6+50		8.06	329.53	324.9	C46	
6+00		9.07	328.52	323.8	C47	
5+50		10.13	327.46	322.7	C48	
5+03	12x6 Cross	11.35	326.24	321.7	C46	
5+00	1.07	11.34	326.25	321.6	C47	
4+50		2.60	324.72	320.5	C42	
4+00		4.02	323.3	318.7	C46	
3+50		5.84	321.48	316.9	C46	
3+00		7.68	319.64	315.1	C45	
2+50		9.47	317.85	313.3	C46	
2+00		11.26	316.06	311.5	C46	
1+50	9.14	12.08	314.24	309.7	C45	
1+00		9.50	313.84	309.4	C44	
0+56	EXISTING G.U.	9.94	313.38		C42 ±	313.14
0+57	BRUSH WALK			309.2		10.24
CK 0+00		10.77	322.61	= 322.66		

331.37			
4.22			
328.99	8' CI	8.60	329.00
331.64			328.2
331.64			
330.75			
330.24			
329.23			
328.24			
327.22			
326.09			
324.47	4+62	324.47	2.35
323.01			
321.21			
319.37			
317.61			
315.83			
313.97			
313.55			

ALLEY BLK 8
 N. of THORN; E. of CHAMOUNE
 (5) Grds. For 6" A.C. Main

8/19/59

69

	1.58	335.94	334.36	
0+30 Beginning of work - By City	6.6	329.3	325.5 [±]	
0+50	6.6	329.3	325.6	
1+00	5.0	330.9	326.6	
1+50	4.6	331.3	326.8	
2+00	5.0	330.9	326.6	
2+50	5.5	330.4	326.4	
3+00	5.1	330.8	326.2	
3+50	5.9	330.0	326.1	
TP	2.62	333.36	5.20 330.74	
4+00	3.5	329.9	325.9	
4+50	3.7	329.5	325.4	
5+00	4.1	328.8	325.2	
5+50	5.0	328.4	324.7	
6+00	4.6	328.8	325.0	
6+50	4.1	329.3	325.0	
6+82 END WORK	3.9	329.5	325.0 [±]	
	3.33	330.03	= 330.08	

Top E.H. S.E. Cor. THORN & CHAMOUNE F.B. 876-18

638	65
632	64
633	49
645	47
643	46
640	53
646	51
632	54
648	34
632	37
636	44
633	50
638	47
643	48
645	34

TBM. 50. End of Curb return 15' L. E.B. 876-12

ALLEY BLK 8
N. of THORN; E. of CHAMOUNE

64

WATER METERS

335.94

1+12 W	4.1	331.8	330.9	CO ²
1+57 W	3.9	332.5	331.3	CO ²
1+70 E	4.8	331.1	331.7	CO ²
1+80 W	3.7	332.2	331.2	CO ²
2+06 W	3.7	332.2	331.1	CO ²
2+17 E	5.1	330.8	330.6	CO ²
2+52 W	3.7	332.2	330.9	CO ²
2+70 W	4.7	331.2	330.8	CO ²
3+21 W	4.7	331.2	330.7	CO ²
3+80 W	5.2	330.7	330.5	CO ²
4+05 E	3.5	329.9	330.1	CO ²
4+28 W	2.8	330.6	330.3	CO ³
4+63 W	3.2	330.2	330.2	CO ²
5+00 E	4.5	328.9	327.8	CO ²
5+13 W	4.1	329.3	330.0	CO ²
5+37 W	4.0	329.4	330.0	CO ²
5+51 ³ E New Meter	5.0	328.4	329.6	CO ²
5+76 W	4.2	329.2	329.8	CO ²
6+09 E	7.6	328.8	329.4	CO ²
6+21 W	3.5	329.9	329.7	CO ²
6+34 W	3.5	329.9	329.6	CO ²
6+35 W	3.9	330.0	327.6	CO ²
6+52 E Transfer Meter	4.1	329.3	329.3	CO ²

333.36

35TH ST
 Nor. Mt. View Dr. to ARTHUR
 ⑤ Grds. for 6" A.C. Water.

JULY 12-13 1954
 BEATTY
 SHOREY
 ALEXANDER

BM	5.19	400.61	395.42
0+60		6" Cross City	391.7
0+55		6" G.V. City	5.16 395.45 391.7
1+00			5.25 395.36 391.5
1+50			5.54 395.07 391.3
2+00			5.81 394.8 391.0
2+50			6.09 394.52 390.8
3+00			6.31 394.3 390.6
TP	4.37	398.77	6.21 394.40
3+50			4.72 394.05 390.4
4+00			4.96 393.81 390.2
			390.1
4+25		22 1/2° Bend	5.08 393.69 390.0
4+50			5.26 393.51 389.9
			389.8
5+00			5.56 393.21 389.7
			389.5
5+50			5.77 393.0 389.5
			389.3
6+00			6.07 392.7 389.2
			389.0
6+50			6.33 392.44 389.0
			388.7
7+00			6.62 392.15 388.7
			388.6
7+50			6.83 391.94 388.5
TP	4.86	397.17	6.46 392.31 388.3
8+00			5.57 391.60 388.2
			388.0

BR. SW Cor 35TH & N. MT. VIEW DR.

				C38
				C38
				C38
				C38
				C37
				C37
				C37
				C36 C37
				C37
				C36 C37
				C35 C37
				C35 C37
				C34 C37
				C35 C36
				C34 C36
				C34 C36

Elev. PAVT. & PIPE

395.47
391.2
95.49
391.2
95.20
391.41
94.92
391.69
94.66
391.8
94.42
391.9
94.20
391.57
93.94
391.83
93.84
391.63
391.2
93.39
391.8
93.14
391.63
92.87
391.7
92.62
391.5
92.39
391.8
92.11
391.66
91.83
391.2

35TH ST
(Cont'd.)

7/13/52

66.

397.17

8+50

5.76 391.41

~~387.8~~
388.0

~~C36~~ C36

91.67
5.50

9+00

5.82 391.25

387.8

C36

91.46
5.71

9+50

5.84 391.33

387.5

C38

91.33
5.62

10+00

5.77 391.40

~~387.5~~
387.6

~~C38~~ C39

91.43
5.72

392.97
6.20 +.75

10+09

10+10

6" G.V. City

5.71 391.46

387.5

~~C38~~ C39

91.50
5.67

10+13.5 Existing 6" Cross

OK BM

5.46 391.71

= 391.73

OR SW Cor. 35TH & Arthur

WIGHTMAN ST.
50th To WINONA AVE
③ GROS FOR 6" A.C WATER

JULY 19, 1954
BEATTY
SUGREY
MARTELL
ALEXANDER

67.

BM							
	59	311.20		309.61		End of curb.	(FD 830 1918.)
4+53.45	Existing 6" G.V.	2.7	305.5±	305.9			
4+48.45	End work	2.0	309.2	305.3 305.7	C39	309.1	Elev. Groundline & pipe
4+04.33	FC.	W. 4.3 E. 4.4	306.9 306.8	302.9 303.4	C35 C40 C34 C39	306.8	
4+00	OK RIM of 30W M.H.	4.4 4.90	306.8 306.3	302.8 303.2	C36 C40	4.5	
3+75		5.0	306.2	301.4 301.9	C43 C48	5.2	
3+50		5.5	305.7	299.9 300.6	C51 C58	5.7	
3+26	P.C.C.	6.3	304.9	298.5 299.3	C56 C64	6.5	
3+00		7.1	304.1	297.0 298.1	C60 C71	7.3	
2+75		8.4	302.8	295.6 296.8	C60 C72	8.7	
2+50		11.0	300.2	294.0 295.6	C46 C62	11.2	
2+25	0.16	298.04	13.32 297.88 0.4 297.6	292.4 293.5	C41 C52	0.7	
2+00		2.5	295.5	290.8 291.4	C41 C47	3.0	
1+75		4.4	293.6	289.3	C43	5.0	
1+50		6.7	291.3	287.2	C41	7.6	
1+22.89	B.C.	8.9	289.1	284.9	C42	9.6	
1+00		10.9	287.1	283.0	C41	11.6	
0+50		13.1	284.9	281.0 279.8	C46 C51	13.1	
0+27	6" GR. CITY	13.9	284.1	280.8 277.2	C62	13.6	
0+00		12.95	307.83	-3.56 294.48			
		13.36	320.77	0.02 307.41			

WIGHTMAN ST.
(Cont'd)

1D	12.50	320.77	0.04	320.73	
CK B.M.		333.23	3.12	330.11 = 330.15	
4+33 E	(311.70)		2.0	309.2	309.0
4+01 E	18' LT & pipe		2.2	309.0	307.6
2+57 S			10.4	300.8	292.8
1+85 S	(298.04)		5.1	292.9	293.3

B.M.	4.62	300.62		296.00	
2+13 S.			3.68	296.94	295.3
CK B.M.			4.62	296.00 = 296.00	

7/2/50

68.

CO ₂	3811 Winona
G ₁₄	3805 Wightman
C ₃₀	4955 "
FO ₄	3728 50 th

SPIKE IN P.P. "P4955" 2+01 10' LT.
LOCATED MAIN & STRIK'D METER
@ 2+13 S. "4965" WIGHTMAN

C₁₆

7/10/57

SHOREY
SMITH
O'BRIEN

AUBURN DRIVE
 ONTARIO TO SKY TERMINUS
 (5) GRDS FOR 6" WATER

July 22, 1956
 BRATTY
 34

69

TP	4.00	255.25		251.25					
1+14	6" Wye City		4.1	251.2	2470	C42		257.0	Elev Ground line & pipe
1+50			4.2	251.1	2464	C43		43	
1+87.5			4.2	251.1	2432	C79		44	
2+00			4.4	250.9	2432	C77		43	
			4.5	250.8	2432	C76		43	
2+50			5.2	250.1	2431	C70		50	
3+00			5.4	249.9	2430	C69		52	
3+50			6.3	249.0	2430	C62		56	
3+75			6.7	248.6	2430	C56		60	
4+00			7.2	248.1	242.5	C56		64	
4+00	2.09	250.30	7.04	248.21				64	
4+50			3.7	246.6	241.5	C51		36	
5+00			5.1	245.2	240.5	C47		52	
5+50			6.6	243.7	239.4	C43		65	
5+57.5	F.H. TEE		6.8	243.5	239.3	C42		68	
	(5) F.H. TEE		5.6	244.7	243.1	C16, C52			
6+00			8.0	242.3	238.4	C39		80	
6+50			9.6	240.7	237.4	C33		95	
7+00			9.2	241.1	236.8	C43		94	
7+00	2.47	243.46	7.31	240.99				90	
7+50			2.9	240.6	236.3	C43		31	

W. R. Jew. M.H. F.B. 821 pg. 21.

257.0 Elev Ground line & pipe

AUBURN DR
(Cont'd.)

7/22/54

70.

243.46

8+00		3.5	240.0	235.7	C13	72
8+50		5.5	238.0	235.2	C28	48
9+00		7.7	235.8	232.6	C32	72
9+50		8.7	234.8	231.0	C38	92
9+75		7.6	235.9	231.0	C49	82
10+00		6.7	236.8	232.4	C11	72
10+12 ²	2" B.O.	6.3	237.2	233.2	C10	68
OK TBM		4.98	238.48	= 238.47	Neil in P. Hole	

WAT. METS

2+59 W	N. 250.30	1.7	248.6	249.7	F1-	5015 Auburn
3+32 W		2.1	248.2	247.9	C03	5021
4+10 W		3.5	246.8	246.0	C08	5029
4+80 E		3.8	246.5	244.7	C13	5035
4+82 W		5.9	242.4	244.6	F02	?
5+45 E		5.7	244.6	243.3	C13	5044
5+45 W		7.5	242.8	243.2	F06	5043
5+60 W	No EXIST. MET!	7.9	242.4	243.2	F08	?
5+84 W		8.2	242.1	242.7	F06	5049
6+70 W	No EXIST. MET!	9.2	241.1	-	C00	?
7+31 E	(243.46)	7.9	240.6	-	C00	5068
7+40 W		3.5	240.0	-	C00	5067
8+15 E		3.2	240.3	-	C02	5074
8+64 W		6.2	237.3	-	F05	5079
9+81 E		9.3	234.2	-	C02	5096

No EXIST. GPD

LANTANA DRIVE
 DWIGHT ST. 51/2 350' FT.
 (5) GROS for 6" AC WATER

July 22 1934
 Beatty
 Hooley
 H. H. Hall
 Alexander

71

TBM	574	327.97	322.23				
0+80			6.20 321.77	317.6 317.9	085 C42	321.71 6.26	Elev. Ground line & pipe
0+82.95 x PT			6.28 321.69	317.5 317.8	829 C41	6.30	
1+00			6.9 321.1	315.5 315.1	C56	7.0	
1+25			7.2 320.8	313.4 313.2	C74	7.3	
1+50			7.7 320.3	311.3	C90	8.3	
1+75			8.7 319.3	309.2 309.3	C101	9.4	
2+00			10.4 317.6	307.0 307.4	C106	11.9	
TD 1" WP prep. Cor. 0+00	316.65		11.32 316.65				
2+50			3.9 312.8	301.0 301.6	C118	5.4	
3+00			10.9 305.8	295.2 295.8	C108	9.4	
TD 0.23	303.72		13.16 303.49	292.0 293.0	C109	0.5	
3+25			1.3 302.4	291.6 292.5	C103	1.0	
3+29.71 B.C.			1.8 301.9	289.8 290.7	C93	4.2	
3+50			4.6 299.1	287.6	C84		
3+75			7.7 296.0	285.3	C76	+75 $\frac{7.2}{2}$	
4+00			10.8 292.9			10.5	
4+15 End Work			12.5 291.2	283.8	C74	12.5	
TD 0.12	290.48		13.36 290.36				
3+95 F.H. TEE			293.6	285.7	C79		
(5) F.H.			288.3	288.9	F06 C26		
1+40 Sly			323.3	315.2	C81		2959 Lantana
4+15 Ely			288.7	289.0	C07		
			11.33 279.15 = 279.12				F.B. 875 Pg. 12

WILSON AVE.
COLLIER TO ALLEY NOR OF ADAMS
⑤ GRD.S FOR 6" A.C. WATER

JULY 26 1954

72

BM	6.01	396.08	390.07	(Gone) (Curb used) JE BR WILSON & ADAMS		
6+15		5.76	390.32	387.0	C33	390.48 ¹ Elev. Pavt. & pipe 388
6+00		5.76	390.32	387.0	C33	90.50 388
5+50		5.58	390.50	387.2	C33	90.67 381
5+00		5.23	390.85	387.4	C35	91.03 385
4+50		5.13	390.95	387.6	C33	91.11 492
4+00		5.03	391.05	387.8	C33	91.18 490
3+50		4.86	391.22	387.9	C33	91.38 490
3+00		4.70	391.38	388.0	C34	91.53 455
2+50		4.56	391.52	388.2	C33	91.67 441
2+00		4.26	391.82	388.4	C30	91.96 412
1+50		4.05	392.03	388.6	C34	92.17 391
1+00		3.97	392.11	388.8	C33	92.23 385
0+50		3.93	392.15	388.9	C33	92.26 382
0+45 Gv. By City		3.60	392.48	389.0	C35	92.55 353
CK BM	6.01		390.07			

All marked
C33 on ⑤

39TH ST.
MADISON TO NOR. TERMINUS
③ GRDS FOR 6" A.C. WATER

JULY 27, 1954

BEATTY
SHOREY
MARTELL
ALEXANDER

73

BM.		1.69	371.65	369.96		
					NWLY B.R. 40 TH & MADISON	
0+45	6" Wye (City)	5.26	366.39	362.7	C37	366.44 5.21 Elev. Pout & pipe
0+50	6" G.V. (City)	5.32	366.33	362.7	C36	66.39 5.26
1+00		5.53	366.12	362.4	C37	66.21 5.42
1+50		5.95	365.70	362.1	C36	65.77 5.88
2+00		6.11	365.54	361.9	C36	64.67 6.28
2+50		6.37	365.28	361.8	C35	65.46 6.19
3+00		6.53	365.12	361.7	C34	65.19 6.26
3+50		6.82	364.83	361.3 361.6	C32 C35	64.89 6.26
3+75		6.95	364.70	361.0 361.6	C31 C36	64.65 7.00
4+00		6.96	364.69	361.0	C37	64.66 6.99
4+30 ²⁶	2" B.O.	7.40	364.25	360.5	C38	64.23 7.42
OK. BM.		1.69	369.96			

39TH ST.
 MONROE AVE TO EL CAJON BLVD.
 (5) GRD. 3 FOR 6" A.C. WAT.

July 27 1954

CRAFT
 WOODLEY
 MARTELL
 ALEXANDER

74

B.M.	0.16	374.66	374.50	SW. Cor B.P. 38 TH & MONROE			
0+60	Existing 6" G.V. (not visible)	4.85	369.81	366.2	C36	369.89 - Elev. Point & pipe 4.77	
0+67	F.H. TEE (City)	4.78	369.88	366.3	C36	70.06 4.60	
0+72	Begin WORK	4.73	369.93	366.4	C35	70.11 4.55	
1+00		4.28	370.38	366.8	C36	70.55 4.11	
1+50		3.29	371.37	367.6	C37	71.49 3.17	
2+00		2.54	372.12	368.4	C37	72.36 2.30	
2+50		1.97	372.69	369.2	C35	72.92 1.74	
3+00		2.06	372.60	369.0	C36	72.82 1.54	
3+50		2.47	372.19	368.5	C37	72.19 2.29	
4+00	2.24	373.28	2.92	371.74	368.0	C37	71.88 2.78
4+50		2.76	371.22	367.5	C33	71.39 2.59	
5+00		3.33	370.65	367.0	C37	70.85 3.13	
5+50		3.78	370.20	366.5	C37	70.39 3.59	
6+00		4.28	369.70	366.0	C37	69.91 4.27	
6+50 ^{60.88}		4.74	369.24	365.6	C36	69.48 4.50	
6+60	Existing 6" G.V. (Not visible.)	4.81	369.17	365.5	C37	69.37 4.61	
7+00 ^{40.88}	" (Not visible)"	5.26	368.52	365.0	C35	68.76 5.22	
7+50		5.49	368.49	365.0	C35	68.75 5.23	
CK B.M.		4.36	369.62	= 369.75	RD NW Cor 39 TH & MEAD		

new grade

15+50 361.3
15+75 257.0
16+00 255.0
16+25 255.6
16+75 261.0

40+25 330.1
+75 332.0
41+25 337.3

22+50

46
17
—
29

BE 3-8282
OD = 1.17 or 1.2

314.74
7.07
307.67

0+62 = 308.0 By Centre

24+47 = 282.66

24+30 = 282.3

24+10 = 282.1

~~23~~+82 = 282.1

23+73 = 282.0

23+22 = 281.0

23+00 = 280.3

22+75 = 280.17

22+50 = 280.3

0+~~80~~+25 = 306.4

1+50 = 308.3

2+00 ~~back~~ upgrade = 311.5

8134
117
017

100 - 25 = 75
125 - 25 = 100
100 - 25 = 75

39TH ST.
Cont'd

7/27/52

75

373.98

8+00		5.66	368.32	364.8	C35	368.56 3.22 C	
8+50		5.88	368.10	364.5	C36	68.34 3.24 C	
9+00		6.14	367.84	364.3	C35	68.12 3.26 C	
9+50		6.33	367.65	364.0	C37	67.96 3.22 C	
IP 10+00	4.31	371.80	6.49	367.49	363.8	C32	67.83 3.15 C
10+50		4.41	367.39	363.7	C37	67.66 3.14 C	
11+00		4.63	367.17	363.5	C32	67.46 3.34 C	
11+50		4.89	366.91	363.4	C35	67.22 4.58 C	
12+00		5.04	366.76	363.2	C36	67.05 4.25 C	
12+50		5.27	366.53	363.1	C34	66.84 4.26 C	
13+00		5.44	366.36	362.9	C34	66.68 3.72 C	
⁴³ 13+ 38		5.63	366.17	362.8	C34	66.41 3.39 C	
⁴⁸ 13+ 43	Existing 6"GV (Not visible)	5.66	366.14	362.8	C33	66.32 3.28 C	
IP	4.10	371.73	4.17	367.63			
CK BM		3.88	367.85	= 367.72	BP 3rd Cor 39 TH & EL CAJON		

ALLEY BLK 5
 EAST OF 47TH; NOR. OF THORN.
 (5) GRDS FOR 6" A.C. WAT.

7/27/54
 BETTY
 SHOREY
 MARTELL
 ALEXANDER

76

BM	8.54	341.35		332.81		B.P. NW COR EUCLID & DWIGHT	
IP	0.04	328.34	13.05	328.30		Conc curb in front of Tele bldg	
0+80	End of Existing 6" A.C.		1.2	327.1	323.4	C37	16
0+85			1.2	327.1	323.1	C40	16
1+00			2.2	326.1	322.3	C38	23
1+50			4.4	323.9	319.6	C43	50
2+00			6.7	321.6	316.9	C47	66
2+50			9.2	319.1	314.2	C49	93
3+00			11.5	316.8	311.6	C52	118
IP	0.22	315.47	13.09	315.25			
3+50			3.1	312.4	308.3	C41	28
4+00			6.2	309.3	304.1	C52	59
4+50			11.8	303.7	299.9	C38	112
IP	0.12	302.29	13.30	302.17			
5+00			1.8	300.5	295.7	C48	27
5+50	(5) LT		6.7	295.6	291.2	C42	45
6+00	1 1/4° Bend		10.5	291.8	287.1	C47	119
IP	0.35	289.32	13.32	288.97			
6+25			2.7	286.6	281.1	C55	35
6+50			11.9	277.4	273.2	C42	128
IP	0.19	276.24	13.27	276.05			
IP	0.44	263.39	13.29	262.95	257.4	C48	30
7+100			1.2	262.2			2

ALLEY BLK. 5
(Cont'd)

7/27/52

77

263.39

7+25 6" G.V. (City) 8.5 254.9 251.9 C30 93

7+30 6"x6" Cross (City) (hole) 250.81

CK TBM 4.77 258.62 = 258.60 Spice RP #4725

WATER METERS

0+89 W 322.34 2.0 324.3 326.5 F03

1+54 W 4.8 323.5 323.0 C05

2+00 W 6.6 321.7 320.6 C1

2+38 W 8.3 320.0 318.6 C14

3+07 W 12.6 315.7 314.9 C08

3+32 E 315.47 2.0 313.5 313.6 F01

3+97 W 5.5 310.0 308.2 C18 ✓

4+83 W 11.6 303.9 300.8 C31 ✓

5+02 W 302.29 0.2 302.1 299.2 C29 ✓

5+25 W No existing Met
(Bets says leave
it out.)

78

FINIS

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

25 + 64 88
 28 85
 25 91 73

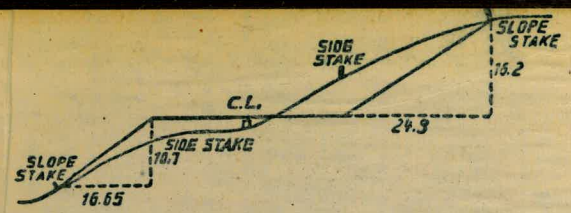
25 + 91 73
 1 + 13 04 6.9

27 + 04 77 1.3

30 + 50 17 8.2

27 + 54 94

7.1
 1.25
 3.01
 11.36



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

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

L.H. Cat. Standpipe
is about ready
for filling. We
should check found-
ation before and
after.

WB

+ Hydrant at College
& Univ. Had to
remove & reinstall
twice. ?

Robertson - housekeeping

465.67 22.50

465.71 Top belt 25.0

26-5 5/8" 28.0

belt circle 31.0

82-15-

55-50-30 1.24

26-24-30 26.27

27-25

31-82-15

55-50-30

29-55-15-

54-50

27-25

71- 7-15

99-57 10-17

170-57 17-32

9-00

47-40

17-30

90

107 30

71-30

3+25-N = 3+13 N-4619

3+65-N 3+84 N 4625

~~3+95-N~~

4+40-N 4+47-N 4637

4+60-S 4+64 S 4632

4+78 S 4+87 S 4636

5+00 N 5+02 N 4641

5+30 N 5+36 N 4653

5+48-S 5+52 S 4644

6+25-S 6+27 SW

6+25

0+90-W = 0+89 W

1+50-W = 1+54 W

2+90 W = 2+00 W

3+10 W = 3+28 W

3+40 E = 3+07 W

3+90 W = 3+32 E

4+90 W = 4+83 W

5+00 W = 5+02 W

5+75 W = 5+26 W N/M

164.32
 + 5.02
 169.34
 13.20
 156.14
 0.22
 156.36
 13.36
 143.00
 .02
 143.02 N.
 7.27
 135.75 SET ~~FW~~

143.02 N.
 1.61
 141.41 P
 7.49
 148.90
 0.53
 148.37

11 + 60
 10 + 03
 1.57

13

Alley BIK 5
 FB 861

12 38th 882

4+33 - E 3811 WINOHO 293.8
 4+04 E 3805 WINOHO 294.5
 2+57 S 4955 WINOHO 296.8
 1+85 - S 3728 56 293.3

2+57 - 18' FR & PIPE

18

2 1/2

20 1/2

12

10 1/2

284.1
 7.2
 277.9

States ^{Hutch}
2 Madrone St
Sullivan.

OTAY - 819
MADRONE - 811
" 824
SULLIVAN - 824

8-30
875

8+95 E 4124	8+93
9+08 E 4124	9+15
9+45 W 4135	9+40
9+55 E 4142	9+58
9+65 W 4141	9+68
10+08 E 4148	10+08
10+15 W 4149	10+15
10+42 W 4151	10+42?
10+65 W 4159	10+67
10+90 E 4156	10+86
11+20 W 4163	11+20
11+40 E 4164	11+34
11+60 W 4171	11+66
11+75 E 4172	11+80
12+00 W	12+00?
12+32 E 4178	12+34
12+70 W 4189	12+71

4000

1+10-E 4004	-	1+10?
1+40 E ?		1+40?
1+70 E		1+72
2+05-E 4020		2+06
2+30 W-4027		2+25-
2+60 E-4028		2+61
3+35 W 4040		3+27
3+35 E 4041		3+31
3+98 E 4052		3+94
4+25 W 4053		4+25
4+50 E 4062		4+48
5+28 E 4070		5+28
5+50 E 4072		5+46
5+90 E 4078		5+85
6+48 E 4875		6+41
6+52 W 4871		6+52
6+77 W 4848		6+75
6+77 W 4863		6+76
6+78 E 4095		6+78
7+18 E 4804		7+20
7+18 W 4862		7+20
7+18 W		7+21
7+48 E		7+56
7+80 W 4818		7+81
7+95 E 4112		7+92
8+20 W 4115		8+20
8+40 E 4120		8+38
8+70 W 4125		8+73

Martens ~~8~~
 Congress, about
 1 1/2 feet high high

1+75 -	5093
2+20 -	5087
2+50 -	5081
2+98 -	5095
3+47 -	5067
4+12	5059
4+57	5051
4+82	5049
5+00	5045
5+71	5037
6+00	5025
6+43	5019
7+00	5011
9+00	4985
9+43	4977
10+07	4971
10+41	4965
11+19	4951
11+63	4943
12+11	4937-4935
12+71	4929-4927
13+00	4919
13+46	4909
14+03	4903

~~2165~~ W 5015 # 2+59
3+35 W 5021 W 3+32
4+14 W 5029 W 4+10
4+80 W 5035 E 4+80
5+48 E 5044 E 4+82
5+45 W 5042 W 5+45
5+60 W 5049 W 5+60 No MET
~~5+80~~ W 5049 W 5+84
6+70 W 5061 W 6+70 No MET
7+30 E 5068 E 7+31
7+48 W 5067 W 7+40
8+15 E 5074 E 8+15
8+63 W 5079 W 8+64
9+80 E 5094 E 9+81

N.W.B.P. 40th of Madison F.B. 1370-34 369.96
S.W.B.P. 38th of Monroe 374.50
N.W.B.P. 39th of Meade F.B. 1767-12 319.75
S.W.B.P. 39th of El Cañon 367.72
B.M. Book says out