Grade - 133 - Book.

S.E Portion.

SEWERS.

FIELD BOOK

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THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

IRVING PARK STATION

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MICROFILMED

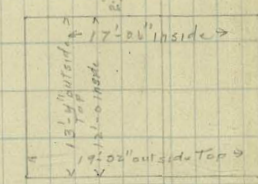
APR 8 1965

W. Line

E. Line

E. Line

10'



5.26
3.43
8.69
4.72
3.97
4.28
8.25

-2.25
10.50
4.38
+6.12

8.22
1.12
9.35

-2.75
11.00
4.69
+6.31

+4.00
4.25
4.69
-0.44

Sewer Cons. East of 32nd St

Outlet 16"

BM	3.20	8.46		5.26		
00 = Pump House			12.09	-3.63	+14.30	
+ 25			4.61	3.85	-14.22	
0+50			4.26	4.20	-14.17	
+ 75			4.46	4.00	-14.11	
1+00			4.51	3.95	-14.05	
+ 25			4.46	4.00	-13.98	
1+50			4.43	4.03	-13.92	
			4.35	4.11	-13.86	
2+00			4.17	4.29	-13.80	
			4.21	4.25	-13.73	
+ 50			4.07	4.39	-13.67	
			4.11	4.35	-13.61	
3+00			4.15	4.31	-13.55	
			4.12	4.34	-13.48	
+ 50			4.01	4.45	-13.42	
			3.63	4.83	13.36	
4+00			3.75	4.71	-13.30	
M.H.		7.92				
4+34 ∠ 50°-36' L			2.83	5.09	-13.24	
4+50			2.78	5.14	-13.17	
			3.84	4.08	-13.11	
5+00			4.35	3.57	-13.05	
			4.54	3.38	-12.98	
+ 50			4.74	3.18	-12.92	
			4.80	3.12	-12.86	
6+00			4.79	3.13	-12.80	
M.H.		5.26 = BM				
6+35.5 ∠ 32°-32' L		4.89 RESET				
1931		10.15 = X - Walker	3.26	4.66	-12.71	
6+50			4.23	3.69	-12.64	
			3.00	2.92	-12.62	
7+00			5.28	2.64	-12.56	
			5.55	2.37	-12.50	
+ 50			6.01	1.91	-12.43	
			6.01	1.91	-12.36	
8+00			7.66	+0.26	-12.30	
			8.56	-0.64	-12.23	
+ 50			7.62	+0.30	-12.17	
			6.98	+0.94	-12.11	
9+00			3.95	+3.97	-12.05	
M.H.						
9+19.5 ∠ 54.44'-40'			3.53	+4.39	-12.00	
9+50			5.03	2.89	-11.94	
			5.84	2.08	-11.87	
10+00 T.P.	5.50	5.74	7.68	+0.24	-11.81	
			5.77	-0.03	-11.75	
+ 50			6.39	-0.65	-11.69	
+ 75			6.81	-1.07	-11.63	

1

7.92
2.66
5.26 B.M. B.P. in base of S.D. & A.-A.R. Elev. Xing Signal at 32nd St

+10.67
+18.08 moved 3.79 +14.33 +18.02
+18.37
+18.11
+18.00
+17.98 Moved +17.96
+17.95
+17.97
+18.09
+17.98
+18.06
+17.96
+17.86
+17.82
+17.87
+18.19
+18.01

5.26
2.96
8.22
3.67
4.54
0.85
5.39

+18.33 → New 3.70 4.76 -13.24 +18.00

+18.31	3.08	5.14	-13.17	+18.31
+17.19	4.09	4.12	-13.11	+17.23
+16.62	4.61	3.60	-13.05	+16.25
+16.36	4.84	3.37	-12.99	+16.35
+16.10	5.03	3.18	-12.92	+16.10
+15.98 — OK	5.09	3.12	-12.86	+15.98
+15.93	5.08	3.13	+12.80	+15.93
+17.37	3.53	4.68	-12.71	+17.37
+16.37	4.50	3.71	-12.68	+16.39
+15.54	5.39	2.82	-12.62	+15.44
+15.20	5.53	2.68	-12.56	+15.24
+14.87	5.83	2.34	-12.50	+14.85
+14.34	6.32	1.89	-12.43	+14.32
+14.27	6.40	1.81	-12.36	+14.17
+12.56	7.93	0.28	-12.30	+12.58
+11.59	7.86	0.35	-12.17	+12.52
+13.05	4.51	8.58	-12.11	+12.99
+16.02	1.36	4.03	-12.05	+16.08
+16.39	1.03	4.36	-12.00	+16.36
+14.83	2.46	2.93	-11.94	+14.87
+13.95	3.26	2.13	-11.87	+14.00
+12.05	5.09	0.30	-11.81	+12.31
+11.72	5.37	+0.02	-11.75	+11.77
+11.04	6.01	-0.62	-11.69	+11.01
+10.56	6.41	-1.02	-11.63	+10.61

10.15 = X - Walker
12.71
27.86
5.44
4.79
22.83
5.33
+1.427

2227 2265 783 +14.87 22.51 838 +14.13 2238 1055 +11.53 2226 939 1.293
2258 538 +X.30 2245 998 +12.53 2232 982 +12.50 2220 614 +1.606
5.39

16" Line

		5.74				5.39				
11+00		6.48	-0.74	-11.57	+10.83					
		6.02	-0.28	-11.51	+11.23		6.09	-0.70	-11.57	+10.87
+50		5.95	-0.21	-11.45	+11.24		5.62	-0.28	-11.51	+11.28
		6.50	-0.76	-11.39	+10.63		5.53	-0.14	-11.45	+11.31
12+00		5.73	+0.01	-11.33	+11.34		6.15	-0.76	-11.39	+10.63
		4.61	1.13	-11.27	+12.40		5.35	+0.04	-11.33	+11.38
+50		4.23	1.51	-11.21	+12.72		4.28	1.18	-11.27	+12.40
		4.24	1.50	-11.15	+12.65		3.84	1.55	-11.21	
13+00		3.53	2.21	-11.09	+13.30					
M.H.										
13+40.48 ∠ 11°09' R		2.94	2.80	-11.00	+13.80					
		2.54	3.20	-10.94	+14.14				4.25	
13+90.4		0.24	5.50	-10.84	+14.38	1.42			-0.91	
		2.43	3.31	-10.81	+14.12	2.05				
14+40.4		4.56	1.18	-10.75	+11.93	3.47				
		8.99	-1.25	-10.68	+9.43	3.27				
14+90.4		8.20	-2.46	-10.62	+8.16	-0.80				
		8.10	-2.36	-10.55	+8.19	3.64				
15+40.4		8.24	-2.50	-10.49	+7.99	3.34				
M.H.		8.12	-2.38	-10.42	+8.04				24.2	
15+90.4		7.80	-2.06	-10.36	+8.30					
51.44		6.74	-1.00	-10.31	+9.31					
16+41.8 T.P.		6.88	-1.14	-10.25	+9.11					
		6.64	-0.90	-10.19	+9.29					
16+93.2		5.66	+0.08	-10.13	+10.21					
		2.45	3.29	-10.07	+13.36					
17+44.2		1.28	4.46	-10.01	+14.47					
		5.64	+0.10	-9.95	+10.05					
17+96.2		7.24	-1.50	-9.89	+8.39					
D.M.H.	4.79	7.49	-1.75	-9.83	+8.98	+3.34				
18+47.6		7.17	-2.38	-9.77	+7.39 Main Line		13.17		-9.83	
(48.23)		6.12	-1.47	-9.70	+8.23 ✓		7.38	-4.04	-9.77	+5.73
18+95.82		6.18	-1.39	-9.63	+8.24 ✓		4.79	-1.45	-9.70	+8.25
		6.86	-2.07	-9.56	+7.49 ✓		5.58	-2.24	-9.64	+7.40
19+44.84		6.62	-1.83	-9.50	+7.67 ✓		4.75	-1.41	-9.57	+8.16
		5.84	-1.05	-9.43	+8.38 ✓		4.78	-1.44	-9.50	+8.06
19+92.24		5.62	-0.83	-9.36	+8.53 ✓		4.41	-1.07	-9.44	+8.37
		6.03	-1.24	-9.30	+8.06 ✓		4.87	-1.53	-9.37	+7.84
20+40.48		4.40	+0.39	-9.23	+9.62 ✓		3.74	-0.40	-9.30	+8.90
MH	4.34	5.28	-0.49	-9.17	+8.68 ✓		3.08	+0.26	-9.24	+9.50
N. Line Filbert 20+88.70		5.40	-1.06	-9.10	+8.04 ✓		12.51	-9.17	-9.17	
21+13.7		5.25	-0.91	-9.01	+8.10 ✓					
21+38.7		5.08	-0.74	-8.91	+8.17					
21+63.7		4.57	-0.23	-8.82	+8.59					
21+88.7		5.22	-0.88	-8.73	+7.85					
22+13.7		5.14	-0.80	-8.64	+7.84					
22+38.7 MH E. Alley & Main				-8.55						

16" Line

M.H. ℄ Alley	2.92	4.34		1.42	-6.00	+5.34
22+38 7 S. of Main (25.4)			5.00	-0.66	-8.55	+7.89
22+64 1			4.97	-0.63	-8.48	+7.85
22+89 5			4.94	-0.60	-8.42	+7.82
23+14 9			4.76	-0.42	-8.35	+7.93
23+40.3			4.76	-0.42	-8.29	+7.87
23+65 7			4.23	0.11	-8.23	+8.34
23+91 1			4.34	0.00	-8.16	+8.16
24+16 5	N Pav		2.30	2.04	-8.10	+10.14
	B.M. 4.00	5.42	1.93	1.42 Main Siva		
24+41 9			3.03	2.39	-8.04	+10.43
24+67 3			6.08	-0.66	-7.97	+7.31
24+92 7			5.80	-0.38	-7.91	+7.53
25+18 1			5.59	-0.17	-7.85	+7.68
25+43 5			5.38	+0.04	-7.79	+7.83
25+68 9			5.30	+0.12	-7.72	+7.84
25+94 3			4.92	+0.50	-7.66	+8.16
M.H. ℄ Alley 26+19 8 N. of Main (25')			5.09	+0.33	-7.60	+7.93
26+44 8			4.55	+0.87	-7.53	+8.40
26+69 8			4.61	+0.81	-7.47	+8.29
26+94 8			4.44	+0.98	-7.41	+8.39
27+19 8			4.05	+1.37	-7.34	+8.71
27+44 8			3.43	1.99	-7.28	+9.27
27+69 8			3.59	1.83	-7.22	+9.05
27+94 8			4.14	1.28	-7.16	+8.44
28+19 8			2.32	+3.10	-7.09	+10.19
28+44 8			6.26	-0.84	-7.03	+6.19
28+69 8 T.P.	5.12	8.03	2.51	+2.91	-6.97	+9.88

2.92
5.00
4.34
-0.66

17.5

6.12
2.08
8.20

4.72
+0.70 = +0.71 P

1.42
2.37
3.79

11.99
-8.20

10.30
1.51
11.81
3.79
-8.02

#1
6.12
1.17
-4.95
F.L. -8.12
+3.17

#2
12.72
3.79
8.93
2.81
-6.12
0.75
-5.37
F.L. -8.08
+2.71

#3
-6.12
0.68
-5.44
-8.07
+2.63

-6.14
1.17
-4.95

		16" Line				
		8.03				
28+94.8			5.09	2.94	-6.91	+9.85
29+19.8			4.71	3.32	-6.85	+10.17
29+44.8			4.66	3.37	-6.78	+10.15
29+69.8			4.90	3.13	-6.72	+9.85
29+94.8			5.34	2.69	-6.66	+9.35
M.H. & Alley No. 8						
30+20 Dalbergia 90°00 Δ 5.74	T.P.	8.90	4.87	3.16	-6.60	+9.76
30						
30+50			5.92	2.98	-6.54	+9.52
30+80			5.72	3.18	-6.47	+9.65
31+10			5.53	3.37	-6.40	+9.77
31+40			6.92	1.98	-6.33	+8.31
31+70			5.00	3.90	-6.26	+10.16
32+00			4.84	4.06	-6.20	+10.26
32+30			4.90	4.00	-6.13	+10.13
32+60			4.95	3.95	-6.06	+10.01
32+90			5.10	3.80	-5.99	+9.79
33+20			9.69	-0.79	-5.92	+5.13
33+50 M.H.			5.15	3.75	-5.85	+9.60
30						
33+80			5.48	3.42	-5.76	+9.18
34+10			5.48	3.42	-5.68	+9.10
34+40			5.38	3.52	-5.60	+9.12
34+70			5.95	2.95	-5.52	+8.47
35+00			5.85	3.05	-5.44	+8.49
35+30	T.P. 5.15	8.47	5.58	3.32	-5.35	+8.67
35+60			5.13	3.34	-5.24	+8.61
35+90			5.65	2.82	-5.19	+8.01
36+20			5.60	2.87	-5.11	+7.98
36+50			4.53	3.94	-5.03	+8.97
36+80 M.H. & Thor Δ 90°00			4.56	3.91	-4.95	~~+8.86~~

		8.47	16" Line 14" "				
36+80 MH 38'	℄ Thor + Alley N. of Delbergia		4.17	4.30	-4.95	+9.25	
37+18			4.95	3.52	-4.85	+8.37	
37+56			5.36	3.11	-4.76	+7.87	
37+94			4.93	3.54	-4.66	+8.20	
38+32			4.74	3.73	-4.57	+8.30	
38+70			4.37	4.10	-4.47	+8.57	
39+08			4.45	4.02	-4.38	+8.40	
39+46			4.53	3.94	-4.28	+8.22	
39+84			4.46	4.01	-4.19	+8.20	
40+22			4.25	4.22	-4.09	+8.31	
40+60 MH. 38	℄ Thor + Alley N. of Cottonwood LP.	12.42 16.70	4.19	4.28	-4.00	+8.28	
40+98			12.10	4.60	-3.91	+8.51	
41+36			11.98	4.72	-3.81	+8.53	
41+74			12.00	4.70	-3.72	+8.42	
42+12			11.70	5.00	-3.62	+8.62	
42+50 MH. 32.9	℄ Thor + Birch	4.60 9.75	11.55	5.15	-3.53	+8.68	End 16" Line Start 14" Line
42+82.9 MH 30.66	△ = 0+32.9		4.44	5.31	-3.44	+8.75	
0+63.56			4.54	5.21	-3.37	+8.58	
0+94.22			4.35	5.40	-3.29	+8.69	
1+24.88			4.32	5.43	-3.21	+8.64	
1+55.54			4.46	5.29	-3.14	+8.43	
1+86.20			4.52	5.23	-3.06	+8.29	
2+16.86			4.53	5.22	-2.99	+8.21	
2+47.52			4.31	5.44	-2.91	+8.35	
2+78.2	MH ℄ Alley BlkC.		4.33	5.42	-2.83	+8.25	

			9.75	14" Lime		
2+78.2 MH ℄ Alley Blk C.			4.33	5.42	-2.83	+8.25
3+11 95			4.55	5.20	-2.75	+7.95
3+45 20			4.49	5.26	-2.67	+7.93
3+79 45			4.90	4.85	-2.58	+7.43
4+13 20			4.78	4.97	-2.50	+7.47
4+46 95			4.64	5.11	-2.41	+7.52
4+80 70			4.64	5.11	-2.33	+7.44
5+14 45			4.75	5.00	-2.24	+7.24
5+48 MH ℄ 37"St			4.40	5.35	-2.16	+7.51
T.P. 6.97		N 11° 37" 54" E 11.84	4.88	4.87		
5+82 26			5.94	5.86	-2.08	+7.94
6+16 32			5.88	5.96	-1.99	+7.95
6+50 75			5.93	5.91	-1.90	+7.81
6+84 44			5.62	6.22	-1.82	+8.04
					-1.25	+7.48
7+18 MH ℄ Beta			5.61	6.23	-1.74	+7.97
7+56 5			5.37	6.47	-1.60	+8.07
7+94 5			4.96	6.88	-1.45	+8.33
8+32 5			4.57	7.27	-1.30	+8.57
8+70 5			4.23	7.61	-1.15	+8.76
9+08 MH ℄ Alley N ℄ Beta		Δ 90°-0'-14" E. in Alley Blk H12-H19.	4.29	7.55	-1.00	+8.55
9+41 5			3.64	8.16	-0.92	+9.08
9+74 5			3.72	8.12	-0.83	+8.95
10+07 5			3.88	7.96	-0.75	+8.71
10+40 5			3.71	8.13	-0.67	+8.80
10+73 5			3.64	8.20	-0.58	+8.78
11+06 5			3.44	8.40	-0.50	+8.90
11+39 5			3.13	8.71	-0.41	+9.12

14" Line
Ein Alleys Blks 412-419
11.84

11+72 5			3.02	8.82	-0.33		+9.15		
12+05 5			3.07	8.77	-0.25		+9.02		
12+38 5 33 MH.			2.56	9.28	-0.17		+9.45		
12+71 5			3.03	8.81	-0.09		+8.90		
13+04 5	T.P. 3.93	13.17	2.60	9.24	0.00		+9.24		
13+37 5			3.90	9.27	+0.08		+9.19		
13+70 5			3.38	9.79	+0.16		+9.63		
14+03 5			3.57	9.60	+0.24		+9.36		
14+36 5			3.64	9.53	+0.32		+9.21		
14+69 5			3.54	9.63	+0.40		+9.23		
15+02 5			3.09	10.08	+0.48		+9.60		
15+35 5			3.02	10.15	+0.56		+9.59		
15+68 5 33 MH ℄ 38th St 7.78		17.77	3.18	9.99	+0.65		+9.34		
16+01			7.47	10.30	0.73	0.87	+9.43	+ 9.57 ✓	
16+34			6.87	10.90	0.81	1.09	+9.81	+ 10.09 ✓	
16+67			6.47	11.30	0.89	1.31	+9.99	+ 10.41 ✓	
17+00			6.50	11.27	0.98	1.53	+9.74	+ 10.29 ✓	
17+33			6.37	11.40	1.06	1.75	+9.65	+ 10.34 ✓	
17+66			5.98	11.79	1.14	1.97	+9.82	+ 10.65 ✓	
17+99			5.65	12.12	1.22	2.19	+9.93	+ 10.90 ✓	
18+32			5.20	12.57	1.30	2.41	+10.16	+ 11.27 ✓	
18+65			5.15	12.62	1.38	2.63	+9.99	+ 11.24 ✓	
18+98 M.H.			4.90	12.87	1.47	2.85	+10.02	+ 11.40 ✓	
19+31			4.52	13.25	1.55	3.07	+10.18	+ 11.70 ✓	
19+64			4.35	13.42	1.63	3.29	+10.13	+ 11.79 ✓	
19+97			4.20	13.57	1.72	3.51	+10.06	+ 11.85 ✓	

Not changed

original

13.17
2.11
11.06

B.P. 11.06 SE Alpha + 38"

14" Line

17.77

11+7	20+30			3.53	14.24	1.80	3.13	+10.51		+ 12.44 ✓
12+0	20+63			3.27	14.50	1.88	3.95	+10.55		+ 12.62 ✓
12+4	20+94			3.12	14.65	1.97	4.17	+10.48		+ 12.68 ✓
12+7	21+29			2.90	14.87	2.05	4.39	+10.48		+ 12.82 ✓
13+1	21+62			2.77	15.00	2.13	4.61	+10.39		+ 12.87 ✓
13+	21+95			2.47	15.30	2.21	4.83	+10.47		+ 13.09 ✓
	90°Δ on 14" Line	T.P. 3.85	19.43	2.19	15.58	7.00	7.00	+ 8.68	SPUR	+ 8.68
13+	22+28 MH ℄ 39th 31.67			3.75	15.68	2.30	5.05	+10.63	14" Line	+ 13.39 ✓
14+	22+59 67			4.40	15.03	2.38	5.13	+ 9.90		+ 12.65 ✓
14+	22+91 33			4.31	15.12	2.46	5.21	+ 9.91		+ 12.66 ✓
14+	23+23			4.21	15.22	2.54	5.29	+ 9.93		+ 12.68 ✓
15+	23+54 67			3.61	15.82	2.62	5.37	+10.45		+ 13.20 ✓
15+	23+86 33			4.40	15.03	2.70	5.45	+ 9.58		+12.33 ✓
						8.00	8.00	+ 6.89	SPUR	+ 6.49
15+	24+18 ΔMH ℄ Alpha 31.67			4.54	14.89	2.77	5.52	+ 9.37	14" Line	+ 12.12 ✓
16+	24+49 67			4.02	15.41	2.85	5.60	+ 9.81		+ 12.56 ✓
16+	24+81 33			3.69	15.74	2.93	5.68	+10.06		+ 12.81 ✓
16+	25+13 00			3.81	15.62	3.01	5.76	9.86		+ 12.61 ✓
17+	25+44 67			3.67	15.76	3.09	5.84	+ 9.92		+ 12.67 ✓
17+	25+76 33 ℄ 39th & Alley W. of Alpha	T.P. 5.55	20.54	4.44	14.99	3.17	5.92	+ 9.07		+ 11.82
						3.25	6.00	+ 8.25	14" Line	+ 11.00
17+	26+08 00 33 DMH Δ 90° on 14" Line			6.29	14.25	7.00		+ 7.25	14" "	+ 7.25
17+	26+41			5.75	14.79	7.20		+ 7.59		
18+	26+74			6.50	14.04	7.40		+ 6.64		
18+	27+07			7.34	13.20	7.60		+ 5.60		
18+	27+40			7.60	12.94	7.80		+ 5.14		
19+	27+73			6.70	13.84	8.00		+ 5.84		
19+	28+06			5.61	14.93	8.20		+ 6.73		
19+	28+39			5.17	15.37	8.40		+ 6.97		

Not changed

Original

14.24
1.67
15.91
9.7
6.2

		14" Line				
		20.54				
28+72			4.90	15.64	8.60	+7.04
29+05			4.73	15.81	8.80	+7.01
29+38 MH			4.43	16.11	9.00	+7.11
29+71			4.80	15.74	9.10	+6.64
30+04			4.48	16.06	9.20	+6.86
30+37			4.45	16.09	9.30	+6.79
30+70			4.28	16.26	9.40	+6.86
31+03			4.16	16.38	9.50	+6.88
31+36			4.24	16.30	9.60	+6.70
31+69			3.54	17.00	9.70	+7.30
32+02			3.39	17.15	9.80	+7.35
32+35			2.83	17.71	9.90	+7.81
90° Δ in 14" Line						
32+68 MH. ℄ 40° T.P. 6.71		25.64	1.61	18.93	10.00	+8.93
31.67						
32+99 67			5.68	19.96	10.14	+9.82
33+31 33			5.60	20.04	10.28	+9.76
33+63			7.50	18.14	10.42	+7.72
33+94 67			7.76	17.88	10.56	+7.32
34+26 33			7.47	18.17	10.70	+7.47
90° Δ in 14" Line						
34+58 MH. ℄ 40+Z			6.95	18.69	10.84	+7.85
33						
34+91			6.83	18.81	10.98	+7.83
35+24			6.71	18.93	11.13	+7.80
35+57			5.80	19.84	11.27	+8.57
35+90			4.64	21.00	11.42	+9.58
36+23			4.17	21.47	11.56	+9.91
36+56			4.06	21.58	11.71	+9.87
36+89			4.13	21.51	11.85	+9.66

		25.64								
37+22			3.73	21.91	12.00	+9.91				
37+55			3.44	22.00	12.15	+9.85				
37+88 M.H. T.P. 5.02		27.15	3.51	22.13	12.30	+9.83				
33										
38+21			5.38	21.77	12.44	+9.33				
38+54			4.48	22.67	12.59	+10.08				12.72
										1.83
38+87			4.50	22.65	12.73	+9.92				14.55
39+20			4.41	22.74	12.88	+9.86				
39+53			4.22	22.93	13.02	+9.91				
39+86			4.47	22.68	13.17	+9.51				
40+19			4.10	23.05	13.31	+9.74				
40+52			4.01	23.14	13.46	+9.68				
40+85			3.81	23.34	13.60	+9.74				
90° Δ 14" Line										
41+18 MH ℄ 41st & Z T.P. 3.58		28.25	2.48	24.67	13.74	+10.93				
31.67										
41+49 67			5.06	23.19	13.88	+9.31				
41+81 33			4.90	23.35	14.02	+9.33				
42+13			4.42	23.83	14.16	+9.67				
42+44 67			4.43	23.82	14.30	+9.52				
42+76 33			4.52	23.73	14.44	+9.29				
43+08 MH ℄ 41st Alley			4.60	23.65	14.57	+9.08				
46.9										
43+54 9			4.79	23.46	14.78	+8.68				
44+01 8			5.55	22.70	15.00	+7.70				
44+48 7			14.55	13.70	15.20	−1.50				
MH ℄ Boston										
44+95 6			4.79	23.46	15.40	+8.06	6.22	29.68	23.46	15.40 +8.06
38										
45+33 6			5.25	23.00	15.60	+7.40 ✓		6.80	22.88	15.60 +7.28
45+71 6			5.15	23.10	15.80	+7.30 ✓		6.85	22.83	15.80 +7.03
46+09 6			4.98	23.27	16.00	+7.27 ✓		6.47	23.21	16.00 +7.21

← change in line

187.66 = 197.6 Plan

		28.25					29.68		4.97 / 24.79	3.63 / 26.04	11
46+47 6			3.95	24.30	16.20	+8.10		5.64	24.04	16.20	+7.84
M.H. ℄ Alley											
46+85	T.P. 5.96	30.67	3.54	24.71	16.40	+8.31		5.36	24.32	16.40	+7.92
47+23			5.92	24.75	16.60	+8.15		5.22	24.46	16.60	+7.86
47+61			5.88	24.79	16.80	+8.00		5.08	24.60	16.80	+7.80
47+99			5.76	24.91	17.00	+7.91		5.02	24.66	17.00	+7.66
48+37			5.55	25.12	17.20	+7.92		4.90	24.78	17.20	+7.58
48+75			5.84	24.83	17.40	+7.43		5.01	24.67	17.40	+7.27
49+13			5.56	25.11	17.60	+7.51		4.58	25.10	17.60	+7.50
49+51			4.77	25.90	17.80	+8.10		3.85	25.83	17.80	+8.03
49+89			4.82	25.85	18.00	+7.85		3.87	25.81	18.00	+7.81
50+27			4.61	26.06	18.20	+7.86		3.76	25.92	18.20	+7.72
150' S. of S Line National											
50+65 M.H. ℄ Alley			4.81	25.86	18.40	+7.46	OK	21.00	+ 4.86	18.40	
41.7											
✓			4.46	26.21	18.59	+7.62	OK				
✓			4.31	26.36	18.78	+7.58	O.K.				
✓			3.44	27.23 ✓	18.97	+8.26	OK				
T.P.	9.86	37.83	2.70	27.97							
		gone	5.30	32.43 ~~32.53~~	19.16	gone +13.37	+13.27				
✓		gone	~~4.81~~	32.41 ~~33.02~~	19.35	gone +13.67	+13.06				
✓			3.28	34.55	19.54	+15.01	OK				
✓			7.93	29.90	19.72	+10.22	OK				
	T.P.				23.50						
=DMH @ 39°-10' L 12.72		41.25	9.40	28.43	19.90	+8.53		8 333.8 / 41.7		23.50	+4.93
					26.00	+4.01					
00.= DMH ℄ Alley			11.24	30.01	24.00	+6.01					
5-49.18											
+49 18			12.18	29.07	24.40	+4.67					
+98 36			11.92	29.33	24.80	4.53					
1+47 54	T.P. 10.63	40.42	11.46	29.79	25.20	+4.59					
1+96 22			8.96	31.46	25.60	+5.86					
2+45 90 MH ℄ Logan			7.91	32.51	26.00	+6.51					

change in line

		40.42				
2+45 90 M.H. ℄ Logan			7.91	32.51	26.00	6.51
~~5-48.8~~ 5-47.00						
2+94 7			6.68	33.74	26.90	+6.84
3+43 5			6.97	33.45	27.80	+5.65
3+92 3			3.85	36.57	28.70	+7.87
4+41 1			2.19	38.23	29.60	+8.63
		46.68	4.40	36.02		
4+89 9 MH △ 30°-37' R			10.67	chk 36.01	30.5	+5.51
6-46.07						
5+35 92			7.93	38.75	31.42	+7.33
5+82 04			8.62	38.06	32.34	+5.72
6+28 10			7.20	39.48	33.25	+6.23
6+74 17			8.11	38.57	34.16	+4.41
7+20 24			6.17	40.51	35.08	+5.43
					36.00	+5.04
7+66 3 D.M.H. = 00			5.64	41.04	38.00	+3.04
+50			2.02	44.66	39.24	+5.42
	T.P. 11.96	57.36	1.28	45.40		
1+00			11.33	46.03	40.48	+5.55
+50			12.12	45.24	41.72	+3.52
2+00			9.65	47.71	42.96	+4.75
+50			8.70	48.66	44.20	+4.46
3+00 = MH			7.14	50.22	45.44	+4.78
+50			4.96	52.40	46.68	+5.72
4+00			4.12	53.24	47.92	+5.32
+50			1.45	55.91	49.16	+6.75
5+00 T.P.	12.45	68.56	1.25	56.11	50.40	+5.71
+50			11.62	56.94	51.64	+5.30
6+00 M.H.			10.78	57.78	52.88	+4.90

Continued in Book 1186 Page 27

Sewer Cons. from ℄ Una
E Thru Blks 162 + 161

				Page 14			
00= MH 3+80 Page 14	6.08	12.25	6.17	6.17	-0.50	+6.67	5 | 230 / 46
+55			5.30	6.95	-0.26	+7.21	
1+10			4.97	7.28	-0.02	+7.30	
1+65			4.44	7.81	+0.22	+7.59	
2+20			4.21	8.04	+0.46	+7.58	
2+75			4.68	7.57	+0.70	+6.87	
3+30 MH			4.56	7.69	+0.95	+6.74	
3+85			4.79	7.46	+1.19	+6.27	
4+40			5.28	6.97	+1.43	+5.54	
4+95			3.91	8.34	+1.67	+6.67	
5+50			4.66	7.59	+1.91	+5.68	
6+05	T.P. 4.85	12.72	4.38	7.87	+2.15	+5.72	
M.H. ℄ Vista 6+60 46.(5 pts)			5.55	7.17	+2.40	+4.77	
7+06			6.54	6.18	+2.62	+3.56	
7+52			6.81	5.91	+2.84	+3.07	
7+98			5.56	7.16	+3.06	+4.10	
8+44			4.49	8.23	+3.28	+4.95	
~~9+90~~ DE			3.13	9.59	+3.50	6.09	
8+90							

Sewer Cons. ℄ Una from ℄ Blks 202-203 to ℄ Blks 162 & 163

12,34

00=MH 13+87.1 Page 15		2.73	9.61	-3.85	+ 13.46
0+47.5		3.43	8.91	-3.44	+ 12.35
0+95		3.83	8.51	-3.02	+ 11.53
1+42.5		4.48	7.86	-2.60	+ 10.46
1+90		5.05	7.29	-2.18	+ 9.47
2+37		5.44	6.90	-1.76	+ 8.66
2+85		5.65	6.69	-1.34	+ 8.03
3+32		5.96	6.38	-0.92	+ 7.30
℄ Una 3+80 MH		6.17	6.17	-0.50	+ 6.67
Sewer Cons W. from ℄ Una Thru Blks 163+164					
00=MH 3+80 above		6.17	6.17	-0.50	+ 6.67
+48.5		7.26	5.08	-0.29	+ 5.37
+97		7.60	4.74	-0.08	+ 4.82
1+45		7.50	4.84	+0.13	+ 4.71
1+94		7.58	4.76	+0.34	+ 4.42
2+42.5	T.P 12.4 17.03	7.52	4.82	+0.55	+ 4.27
2+91		11.69	5.34	+0.77	+ 4.57
3+40 MH 53,33 7 Pts		10.88	6.15	+1.0	+ 5.15
3+93		8.30	8.73	+2.25	+ 6.48
4+46		8.06	8.97	+3.50	+ 5.47
5+00		5.49	11.54	+4.75	+ 6.79
5+53		4.57	12.46	+6.00	+ 6.46
6+06		3.97	13.06	+7.25	+ 5.81
M.H. ℄ Thor 6+60 47.5 4 Pts		2.12	14.91	8.50	+ 6.41
7+07		2.06	14.97	+8.87	+ 6.10
7+55		1.47	15.56	+9.25	+ 6.31
8+02		0.89	16.14	+9.62	+ 6.52
8+50 DE		1.60	16.07	10.0	+ 6.03

Sewer Cons. 8" Sheet #7 (Pr) #11

Allevs 201-202 Silver Gate Park 8"

17.03 Page 14
8.71
8.32
2.21
10.53

18+47.60 DM.H 16" Lin.		10.53								
00 Page 2 8 Pts			12.96	-2.43	-7.30	+4.87				11.3
0+47.5			8.60	+1.93	-7.18	+9.11			10.81	2.2
0+95.00			1.96	+8.57 ✓	-7.06	+15.63			2.1	13.5
1+42.50			1.79	8.74	-6.94	+15.68		3.34		10.5
1+90.0			1.57	8.96 ✓	-6.82	+15.78				-3.0
2+37.5			2.24	8.29 ✓	-6.70	+14.99				
2+8.5			1.88	8.65 ✓	-6.58	+15.23 ✓				
3+32.5			1.93	8.60 ✓	-6.46	+15.06 ✓				
3+80.10 M.H. 48.3 7 Pts			2.60	7.93 ✓	-6.34	+14.27				
4+28.3			3.74	6.79 ✓	-6.22	+13.01 ✓				
4+76.4			3.09	7.44 ✓	-6.10	+13.54 ✓				
5+24.9			2.66	7.87 ✓	-5.98	+13.85 ✓				
5+73.2			2.21	8.32 ✓	-5.86	+14.18 ✓				
6+21.5			2.08	8.45 ✓	-5.74	+14.19 ✓				
6+69.8 MH ℄ Thor			1.67	8.86 ✓	-5.62	+14.48 ✓				
7+18.1 55.6 Pts			1.48	9.05	-5.50	+14.55	0.12 Difference in B.M.s old BM 12 Low Level N.G. (13.48)	4.30	9.18	-5.37 +14.55
7+73.1			1.21	9.32	-5.36	+14.68		4.01	9.47	-5.25 +14.72
8+28.1 T.P.	4.12	13.58	1.07	9.46	-5.22	+14.68		3.87	9.61	-5.12 +14.73
8+83.1			3.95	9.63	-5.09	+14.72		3.70	9.78	-4.99 +14.77
9+38.1			4.48	9.10	-4.95	+14.03		4.22	9.26	-4.87 +14.13
9+93.1 M.H.			4.47	9.11	-4.81	+13.92		4.21	9.27	-4.74 +14.01
10+48.1 55.6 Pts			4.22	9.36	-4.67	+14.03		3.96	9.52	-4.61 +14.13

MH Page 15		13.58					13.48			
10+48 ⊥ 55' 6 PTS			4.22	9.36	−4.67	+14.03	3.96	9.52	−4.61	+14.13
11+03 ⊥			4.44	9.14	−4.54	+13.68	4.18	9.30	−4.49	+13.79
11+58 ⊥			3.95	9.63	−4.40	+14.03	3.69	9.79	−4.36	+14.15
12+13 ⊥			3.84	9.74	−4.27	+14.01	3.57	9.91	−4.23	+14.14
12+68 ⊥			3.37	10.21	−4.13	+14.34	3.11	10.37	−4.11	+14.48
13+23 ⊥			2.95	10.63	−3.99	+14.62	2.69	10.79	−3.98	+14.77
M.H. & Una, 13+78 ⊥ 55' 6 PTS	7.17	16.87	4.00	9.70 Page 14 9.58	−3.85	+13.555	3.78	9.70	−3.86	+13.55
14+33 ⊥			6.19	10.68	−3.71	+14.39				
14+88 ⊥			5.75	11.12	−3.57	+14.69				
15+43 ⊥			4.93	11.94	−3.44	+15.38				
15+98 ⊥			4.38	12.49	−3.30	+15.79				
16+53 ⊥			4.27	12.60	−3.16	+15.76				
M.H. 17+08 ⊥ 55' 6 PTS			5.20	11.67	−3.02	+14.69				
17+63 ⊥			5.16	11.71	−2.89	+14.60				
18+18 ⊥			4.14	12.73	−2.75	+15.48				
18+73 ⊥			5.75	11.12	−2.61	+13.73				
19+28 ⊥			7.61	9.26	−2.48	+11.74				
19+83 ⊥	4.53 / 4.76 / 4.27		8.60	8.27	−2.34	+10.61				
M.H. & Vesta 20+38 ⊥ 55' 6 PTS	T.P. 6.19	14.79	8.27	8.10	−2.20	+10.80				
20+93 ⊥			6.05	8.74	−2.06	+10.80				
21+48 ⊥			5.91	8.88	−1.92	+10.80				
22+03 ⊥			5.59	9.20	−1.78	+10.98				
22+58 ⊥			5.33	9.46	−1.65	+11.11				
23+13 ⊥			5.11	9.68	−1.51	+11.19				
M.H. 23+68 ⊥			4.77	10.02	−1.375	+11.39				

8.60
9.33
17.93
1.91
16.02
4.27
20.29
3.46
16.83
20.29
3.62
16.67

New spk S.W. Vesta & Main
old spk S.W. Vesta & Main
This spk flush with Pole

M.H. Page 16		14.79				
23+68 ⊥ 55' 6 pls			4.77	10.02	-1.37	+11.39
24+23 ⊥			3.62	11.17	-1.23	+12.40
24+78 ⊥			3.54	11.25	-1.10	+12.35
25+33 ⊥			3.13	11.66	-0.96	+12.62
25+88 ⊥	T.P 4.66	17.13	2.32	12.47	-0.83	+13.30
26+43 ⊥			4.27	12.86	-0.69	+13.55
M.H. & Woden 24+98 ⊥	M.H.		3.81	13.32	-0.55	+13.87

8" Sewer & Woden from M.H above To & Alleys Blks 255-256

17.13

0.0 = M.H 26+98 above			3.81	13.32	-0.55	+13.87
0+47.6			2.82	14.31	-0.44	+14.75
95.2			3.42	13.71	-0.32	+14.03
1+42.8			4.10	13.03	-0.20	+13.23
1+90.4			8.42	8.71	-0.08	+8.78
2+38.0			4.37	12.76	+0.04	+12.72
2+85.6			6.20	10.93	+0.16	+10.77
3+33.3 & Alley Bet Main & Filbert			8.31	8.82	+0.28	+8.54
3+81.0 47.4	M.H. T.P. 7.04	14.76	9.41	7.72	+0.40	+7.32
4+28.4			6.68	8.08	+0.52	+7.56
4+76.2			5.83	8.93	+0.64	+8.29
5+23.8			4.74	10.02	+0.76	+9.26
5+71.4 & Main			4.60	10.16	+0.88	+9.28
6+19.0			4.40	10.36	+1.00	+9.36
6+64.6			4.05	10.71	+1.12	+9.59
7+14.2 & Alley Bet. Main + Dalbergia			3.67	11.09	+1.24	+9.85
7+62.0 MH			3.33	11.43	+1.35	+10.08

12.72
1.20
11.52

8 (38 ⊥) 47.6 .75 895/12

17.13
4.14
12.99 B.P.N.W. Woden + Main

17.13
2.58
14.55 3 P.K.N.W. Woden + Main

Sewer Construction & Alley Blk 210.

from W. Woden W. to D.E.

& Alley Bet Filbert & Main					
00=M.H.	T.P. Page 17 9.84	17.56		7.72	+0.40
+50			7.10	10.46	+4.70
1+00 Blk			3.41	14.15	+9.00
+50			0.37	17.19	+9.25
2+00			1.17	16.39	9.50
+50			3.87	13.69	9.75
3+00 MH			3.67	13.89	10.00
+50	T.P. 6.89	20.59	3.84	13.70	10.25
4+00			6.59	14.00	10.50
+50			5.19	15.40	10.75
5+00			4.86	15.73	11.00
+50			4.71	15.88	11.25
6+00 D.E. E. of Vesta			5.30	15.29	11.50

+7.32
+5.76
+5.15
+7.94
+6.89
+3.94
+3.89
+3.45
+3.50
+4.65
+4.73
+4.63
+3.79

18.6
4.3

20.59
14.63
3.96

14.63
5.325
21.955
6.265
15.690 B.P.N.W. Main & Vesta.

Sewer Construction

Thru Blks 214-213-212-211

BM	3.45	4.87		1.42	SW Main & Spk Sieva	
D.E. 14' W of Siva: 1+40			6.53	-1.66	-5.00	+3.34
1+05			6.04	-1.17	-5.25	+4.08
0+70			5.72	-0.85	-5.50	+4.65
0+35			5.54	-0.67	-5.75	+5.08
D 0+00 M.H. ℄ Siva			5.53	-0.66	-8.55 / -6.0	+5.34
+28.33			5.19	-0.32	-5.84	+5.52
+56.67 T.P.	5.14	4.82	5.19	-0.32	-5.67	+5.35
+85.00			5.22	-0.40	-5.50	+5.10
1+13 33			5.47	-0.65	-5.34	+4.69
1+41 67			5.26	-0.44	-5.17	+4.73
1+70 00			4.97	-0.15	-5.00	+4.85
1+98 33			5.04	-0.22	-4.84	+4.62
2+26 67			4.87	-0.05	-4.67	+4.62
2+55 00			5.12	-0.30	-4.50	+4.20
2+83 33			5.03	-0.21	-4.34	+4.13
3+11 67			4.73	+0.09	-4.17	+4.26
3+40 MH (26.66)			5.14	-0.32	-4.0	+3.68
3+66 67			4.62	+0.20	-3.50	+3.70
3+93 33			3.89	+0.93	-3.00	+3.93
4+20			2.49	2.33	-2.50	+4.83
	TP — 12.62	16.14	1.30	3.52		
4+46 67			12.51	3.63	-2.00	+5.63
4+73 33			11.22	4.92	-1.50	+6.42
5+00			10.44	5.70	-1.00	+6.70
5+26 66			10.56	5.58	-0.50	+6.08
5+53 33			10.51	5.63	0.00	+5.63
5+80			10.41	5.73	+0.50	+5.23

5.87
-1.00

5.99
0.77
5.22
5.65
.57

5.67
5.22
-0.45

5.66
-0.66
5.00

6.00
-1.00

BMs 114113-112 — 111

16.14

6+06 (6)		8.71	7.43	+1.00
6+33 (33)		8.20	7.94	+1.50
6+60 MH & Thor (30)		7.76	8.38	+2.0
6+90		6.80	9.34	2.15
7+20		5.15	10.99	2.30
7+50		4.50	11.64	2.46
7+80		4.24	11.90	2.61
8+10		4.27	11.87	2.76
8+40		3.58	12.56	2.92
8+70		3.18	12.96	3.07
9+00		3.51	12.63	3.22
9+30		2.90	13.24	3.38
9+60		2.00	14.14	3.55
9+90 M.H. T.P. 3.64 (58)	18.23	1.55	14.59	3.57
10+45		2.35	15.88	4.90
11+00		2.11	16.12	4.29
11+55		3.15	15.08	4.57
12+10		3.75	14.48	4.81
12+65		4.20	14.03	5.17
13+20 MH & 4na (50)		5.76	12.47	5.43
13+70		5.76	12.47	5.70
14+20		7.16	11.07	5.96
14+70		7.05	11.18	6.22
15+20		6.74	11.49	6.50
15+70		6.97	11.26	6.75
16+20 M.H		7.32	10.91	7.00

+6.73
+6.74 Marked Road 6.74
+6.38
+7.19
+8.69
+9.18
+9.29
+9.11
+9.64
+9.89
+9.41
+9.86
+10.59
+10.87
+11.88
+11.85
+10.51
+9.62
+8.89
+7.04
+6.77
+5.11
+4.96
+4.99
+4.51
+3.91

Bilks 114-113-112-111

18.23

16+20 MH T.P. (48.33)	6.14	17.05	7.32	10.91	7.00	+3.91
16+68 33			5.70	11.35	7.25	+4.10
17+16 67			6.04	11.01	7.50	+3.51
17+65			5.33	11.72	7.75	+3.97
18+13 33			4.65	12.40	8.00	+4.40
18+61 67			4.71	12.34	8.25	+4.09
19+10 D.E.			3.98	13.07	8.50	+4.57

17.05
1.40
15.65

Grd. Book 197-17

Spike in SE Pole 39th & Gamma = 51.76
9.70
61.46 = π

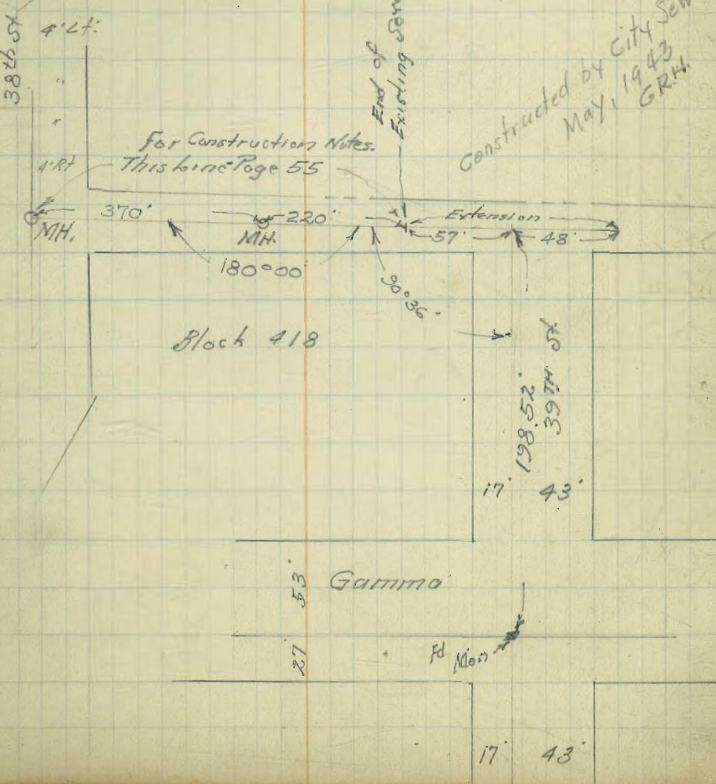
Walker
Osborne
5-19-43

Extension of Sewer Block 418

Arlington Subdivision

Station		61.46	Elev. Stakes	Elev. Flow line	Cuts	offsets
5+90 Page 55			Flow	50.00 P.55		
=0+00	Chk. Flow	11.45	50.01	50.01		
+25		5.34	56.12	50.38	+5.74	
+50		5.08	56.38	50.76	+5.62	
+75		4.65	56.81	51.14	+5.67	
1+05=DE	5' E EL. 39th st.	4.21	57.25	51.58	+5.67	
2+05	Profile Elev	3.8	57.7			

1.5%



BM Mon 22.59 / 13.07 / 7.52 Main + Division

Sewer Construction

Alley Blk 257.

10.34 Page 27

2.3 / 26.5

00 MH. & Yama			4.14	6.20	3.00	+3.20
+42.5			4.51	5.83	3.10	+2.73
+95			5.00	5.34	3.20	+2.14
1+42.5			5.04	5.30	3.30	+2.00
1+90			5.14	5.20	3.40	+1.80
2+37.5			5.94	4.40	3.50	+0.90
2+85			6.04	4.26	3.60	+0.66
3+32.5			4.38	5.96	3.70	+2.26
	T.P.	12.36	22.63	0.07	10.27	
3+80 M.H. 52.5				12.09	10.54	3.80 +6.74
4+32.5				6.88	15.75	8.35 +7.40
4+85	T.P.	9.93	28.78	3.78	18.85	12.90 +5.95
5+37.5				5.43	23.35	17.45 +5.90
5+90 P.E.				1.90	26.88	22.00 +4.88

Sewer Construction Thru

Alleys Blks 251-252-253-254

BM.	4.15	5.57		1.42	Spk. S.W. Main & Siva	
H10W of ℄ Siva = DE			4.47	1.10	-5.00	+6.10
B+69			4.14	1.43	-5.26	+6.69
3+28			4.14	1.43	-5.52	+6.95
2+87			4.24	1.33	-5.78	+7.11
2+46			4.22	1.35	-6.04	+7.39
2+05			4.41	0.96	-6.30	+7.26
1+64			4.77	0.80	-6.56	+7.36
1+23			5.07	0.50	-6.82	+7.32
0+82			4.77	0.80	-7.08	+7.88
0+41 N			4.61	0.96	-7.34 ↑	+8.30
00 = D.M.H. ℄ Siva			4.86	0.71	-7.6 -6.0 ↓	+8.31 +6.71
+38			4.83	0.74	-5.80	+6.54
+76			4.57	1.00	-5.60	+6.60
1+14			4.87	0.70	-5.40	+6.10
1+52			4.13	1.44	-5.20	+6.64
1+90			3.69	1.88	-5.00	+6.88
2+28 T.P.	8.52	10.25	3.84	1.73	-4.80	+6.53
2+66			8.52	1.73	-4.60	+6.33
3+04			8.71	1.54	-4.40	+5.94
3+42			8.77	1.48	-4.20	+5.68
3+80 MH.			8.71	1.54	-4.00	+5.54

BKS 251-252-253-254

		10.25				
3+80 M.H. 85			8.71	1.54	-4.00	+5.54
4+15			8.88	1.37	-2.94	+4.31
4+50			7.42	2.83	-1.88	+4.71
4+85			5.25	5.00	-0.82	+5.82
5+20			4.25	6.00	+0.25	+5.75
5+55			3.02	7.23	+1.31	+5.92
5+90			0.80	9.45	+2.37	+7.08
6+25			0.67	9.58	+3.43	+6.15
6+60 M.H. ℄ Thor T.P. 10.17 41.25		19.10	1.32	8.93	+4.50	+4.43
7+01 25			9.18	9.92	5.00	+4.92
7+42 50			7.98	11.12	5.50	+5.62
+83 75			7.98	11.12	6.00	+5.12
8+25			7.38	11.72	6.50	+5.22
+66 25			6.83	12.27	7.00	+5.27
9+07 50			5.57	13.53	7.50	+6.03
+48 75			4.01	15.09	8.00	+7.09
9+90 M.H. 41.25			3.48	15.62	8.50	+7.12
10+31 25			2.59	16.51	8.70	+7.81
10+72 50			1.93	17.17	8.90	+8.27
11+13 75			1.19	17.91	9.10	+8.81
11+55			1.52	17.58	9.30	+8.28
11+96 25			1.73	17.37	9.50	+7.87
12+37 50	T.P. 3.11	20.19	2.02	17.08	9.70	+7.38
12+78 75			3.85	16.34	9.90	+6.44
13+20 M.H. ℄ Una			4.09	16.10	10.11	+5.99
		H.I.	gr Read.	gr El	F.L.	

		20,19				
13+20 M.H. ℄ Una			4.09	16.10	10.11	+5.99
13+70			3.49	16.70	10.35	+6.35
14+20			4.84	15.35	10.59	+4.76
14+70			4.17	16.02	10.84	+5.18
15+20			4.47	15.72	11.08	+4.64
15+70			4.10	16.09	11.32	+4.77
16+20 M.H. 48.33			4.44	15.75	11.57	+4.18
+68 33			4.62	15.57	11.81	+3.76
17+16 67			4.64	15,55	12.05	+3.50
17+65			3.41	16.78	12.29	+4.49
18+13 33	TP 4.51	21,85	2.85	17.34	12.53	+4.81
+61 67			4.77	17.08	12.77	+4.31
19+10 DE Wolfvista			3.30	18.55	13.00	+5.55

21.85 − 6.20 = 15.65 // 15.69

BlK 255

Bet Main & Dalbergia Woden West

B.M.	5.01	20.70		15.69	N.W. Vector & Main		
5+90 W. ℄ Woden: DE			2.63	18.07	13.00		+5.07
5+46 67 W			4.35	16.35	12.00		+4.35
5+03 33 W			6.67	14.03	11.00		+3.03
4+60 · B+K			7.31	13.39	10.00		+3.39
4+13 33			7.01	13.69	9.67		+4.02
3+66 67			6.91	13.79	9.33		+4.46
3+20 M.H.			6.32	14.38	9.00		+5.38
2+80			5.22	15.48	8.75		+6.73
2+40			4.43	16.27	8.50		+7.77
2+00 T.P.	0.27	16.30	4.67	16.03	8.25		+7.78
1+60			0.66	15.64	8.00		+7.64
1+20			0.79	15.51	7.75		+7.76
0+80			1.05	15.25	7.50		+7.75
0+40			2.90	13.40	7.25		+6.15
0+00 = D MH ℄ Woden S			4.86	11.44 = 11.43 Page 17	7.0 1.35	+4.44	+10.08
+41 25			2.14	14.16	1.45		+12.71
+82 50			1.86	14.44	1.55		+12.89
1+23 75			4.65	11.65	1.65		+10.00
1+65			7.78	8.52	1.76		+6.76
2+06 25			12.15	4.15	1.86		+2.29
2+47 50			12.83	3.47	1.96		+1.51
2+88 75			12.76	3.54	2.06		+1.38
3+30 M.H			12.43	3.87	2.17		+1.70

BlK 256

BIK 256 8" Line

		16.30				
3+30 MH.			12.43	3.87	2.17	+1.70
3+71 25			12.00	4.30	2.27	+2.03
4+12 50			11.84	4.46	2.38	+2.08
4+53 75 T.P.	5.63	10.34	11.59	4.71	2.48	+2.23
4+95			5.48	4.86	2.58	+2.28
5+36 25			5.06	5.28	2.69	+2.59
5+77 50			4.75	5.59	2.80	+2.79
6+18 75			4.62	5.72	2.90	+2.82
Δ 8" 6+60 MH ℄ Yama T.P. 6.40 50.06		12.60	4.14	6.20	3.0	+3.20
7+10			6.43	6.17	3.12	+3.05
7+60			6.70	5.90	3.25	+2.65
8+10			6.58	6.02	3.37	+2.65
8+60			2.81	9.79	3.50	+6.29
9+10			6.28	6.32	3.62	+2.70
9+60			6.15	6.45	3.75	+2.70
10+10			5.98	6.62	3.87	+2.75
10+60 2 M.H. Δ ℄ Yama T.P. 6.04		12.95	5.69	6.91	4.00	+2.91
℄ Alley (44.4) 11+04.7			5.53	7.42	4.11	+3.31
11+49.1			5.33	7.62	4.22	+3.40
11+93.5			5.15	7.80	4.33	+3.47
12+37.8 MH ℄ Collonwood Δ T.P.			4.47	8.48	4.44	+4.04

BIK 256

N.C. on Yama

For BIK 25.7 ℄ Yama E to D.E. see page 22

Alley Blk 260 & 259

17.09

580' W of Yama: D.E.		4.51	12.58	7.50	+5.08
5+41 27 W		3.68	13.41	7.17	+6.24
4+93 33 W		4.25	12.84	6.83	+6.01
4+45 W		7.63	9.46	6.50	+2.96
	13.32				
3+96 67		2.21	11.11	6.17	+4.94
3+48 33 |		1.42	11.90	5.83	+6.07
3+00 MH V		2.61	10.71	5.50	+5.21
2+50		4.27	9.05	5.25	+3.80
2+00		6.01	7.31	5.00	+2.31
1+50		6.95	6.37	4.75	+1.62
1+00		7.00	6.32	4.50	+1.82
0+50		6.53	6.79	4.25	+2.54
=10+60.3 P27					
00 MH & Yama		6.41	6.91	4.00	+2.91
0+42.5		5.33	7.97	4.25	3.72
0+85		5.76	7.54	4.50	+3.04
1+27.5		4.86	8.44	4.75	+3.69
✓	12.95 P27				
1+70 MH & Alley		4.12	8.83	5.00	+3.83
0+35' S		4.15	8.80	5.20	+3.60
0+70 S - D.E.		5.75	7.20	5.40	+1.80
0+46.67 N		4.60	8.35	5.27	+3.08
0+93.33 N		4.42	8.53	5.54	+2.99
1+40' N: DE		4.05	8.90	5.80	+3.10

11 11
5.98
17.09

8.83
4.47
13.30
6.47
1.84

6.41
6.41
12.82

Alleys 261-262-

		27.26				
00=D.E. E of Una			6.94	20.32	13.50	+6.82
+51.5 +48			7.96	19.30	12.59	+6.71
1+03 +96			8.73	18.53	11.68	+6.85
1+54.5 1+44			9.75	17.51	10.76	+6.75
2+06 1+92		20.73	4.52	16.21	9.84	+6.37
2+57.61 MH. 2+40			5.95	14.78	8.92	+5.86
2+87.6 MH: 9+02.39 Below 9.68		22.26	6.11	14.62 12.58 P.28	8.0	+6.62
00=D E W of Wodan			2.97	19.29	13.50	+5.79
+50			2.98	19.28	13.25	+6.03
1+00			3.60	18.66	13.00	+5.66
1+50			4.43	17.83	12.75	+5.08
2+00			4.55	17.71	12.50	+5.21
+50			3.67	18.59	12.25	+6.34
3+00 MH			3.80	18.46	12.00	+6.46
+50			3.98	18.28	11.77	+6.51
4+00			3.96	18.30	11.52	+6.78
+50	T.P. 2.70	20.73	4.23	18.03	11.30	+6.73
5+00			2.63	18.10	11.07	+7.03
+50			2.73	18.00	10.83	+7.17
6+00=MH. ℄ Vesta			3.13	17.60	10.60	+7.00
6+50.4			3.63	17.10	10.17	+6.93
7+00.80			3.72	17.01	9.73	+7.28
7+51 20			4.86	15.87	9.30	+6.57
8+01 60			5.70	15.03	8.87	+6.16
8+52			6.36	14.37	8.43	+5.94
9+02 39 MH. Δ			6.11	14.62	8.00	+6.62

Not Right

30' short

= 2+57.61 above
= 2+87.61 "

16.21
11.05
27.26

13.47
8.85
22.26

12.58
9.68
22.26

18.04
2.76
20.82
15.69
5.13
ok

18.07
2.75

20.77
2.26
18.03

Alley Blk 263

27.26 (P.29)

00 = DE W of Ung			4.60	22.66	18.00	+4.66
+ 48.33			3.97	23.29	17.67	+5.62
+96 67			2.70	24.56	17.33	+7.23
1+45			1.43	25.83	17.00	+8.83
1+93.33			0.86	26.40	16.67	+9.73
2+41 67			1.18	26.08	16.33	+9.75
2+90 M.H.			3.23	24.03	16.00	+8.03
	0.12	20.82	6.56	20.70		
3+40			0.76	20.06	13.17	+6.89
3+90			4.76	16.06	10.33	+5.73
4+40			8.15	12.67	7.50	+5.17
4+90			11.09	9.73	+4.67	+5.06
	T.P. 5.65	13.49	12.98	7.84		
5+40			16.26	7.23	+1.83	+5.40
Connection with 16" Line 5+90 DMH & Thor.			9.56	3.83	-1.00	+4.83

9.97
3.46
13.39
9.56
13 3.83

13.49
8.93
4.56

8.93
4.46
13.39

Blks 265 - 266

00 DMH. & Sirve con 16" Pipe	T.P. 3.73	6.89		3.16	-5.50	+8.66
+36			3.89	3.00	-5.25	+8.25
+72			4.22	2.67	-5.00	+7.67
1+08			4.63	2.26	-4.75	+7.01
1+44			4.57	2.32	-4.50	+6.82
1+80			5.07	1.82	-4.25	+6.07
2+16			4.84	2.09	-4.00	+6.09
2+52			5.34	1.53	-3.75	+5.28
2+88			4.77	2.12	-3.50	+5.62
3+24			4.60	2.29	-3.25	+5.54
3+60 M.H.			5.43	1.46	-3.00	+4.46

con Page 31

689

36.0 M.H			5.43	1.46	-3.00	+4.46
3+99			6.13	0.76	-2.75	+3.51
4+34			5.74	1.15	-2.50	+3.65
4+77			3.82	3.07	-2.75	+5.32
	TP. 6.38	11.90	1.37	5.52		
5+16			4.49	7.41	-2.00	+9.41
5+55			1.36	10.54	-1.75	+12.29
5+94			2.03	9.87	-1.50	+11.37
6+33			4.16	7.74	-1.25	+8.99
6+72			5.93	5.97	-1.00	+6.97
7+11			6.67	5.23	-0.75	+5.98
7+50 DE	40' W of Rigel		6.37	5.53	-0.5	+6.03

Alley N. of Cottonwood

BMs B--
16.70 Page 5

BM. & Thor					-4.00	+8.28
+40			12.58	4.12	-3.33	+7.45
+80			13.08	3.62	-2.47	+6.29
1+20 BrK			11.05	5.65	-2.00	+7.65
1+60			2.16	14.55	+8.00	+6.55
	TP 10.98	27.27	0.41	16.29		
12+00 DE			1.55	25.72	+18.00	+7.72

Blks 191-190-189
Hiway N. of Cottonwood

page 5

DM.H & Thor	5.15	9.43		4.28	-4.00	+ 8.28
+35			5.25	4.18	-3.84	+8.02
+70			5.19	4.24	-3.67	+7.91
1+05			4.91	4.52	-3.50	+8.02
1+40			5.20	4.23	-3.34	+7.57
1+75			5.16	4.27	-3.17	+7.44
2+10			5.01	4.42	-3.00	+7.42
2+45			5.00	4.43	-2.83	+7.26
2+80			4.58	4.85	-2.66	+7.51
3+15			4.53	4.90	-2.49	+7.39
3+50 M.H. (37)			4.46	4.97	-2.32	+7.29
3+87			7.00	2.43	-2.14	+4.57
4+24			4.76	4.67	-1.96	+6.63
4+61			4.79	4.64	-1.77	+6.41
4+98			5.25	4.18	-1.58	+5.76
5+35			5.58	3.85	-1.40	+5.25
5+72			5.27	4.16	-1.22	+5.38
6+09 T.P.	12.88	16.11	6.20	3.23	-1.04	+4.27
6+46			12.95	3.16	-0.86	+4.02
6+83			13.32	2.79	-0.68	+3.47
M.H. 30' W of 5+x a 7+20 (36)			12.54	3.53	-0.50	+4.03
7+56			12.80	3.31	-0.21	+3.52
7+92			10.03	6.08	+0.08	+6.00
8+28			5.93	10.18	+0.37	+9.81
8+64			2.39	13.72	+0.66	+13.06
9+00			1.14	14.97	+0.95	+14.02

12.88
-5.43
-6.11

Alleys Blks 191 - 190 - 198

16.11

9+36			0.98	15.13	1.24	+13.89
9+72			2.45	13.66	1.53	+12.13
10+08			3.91	12.20	1.81	+10.39
10+44			4.90	9.21	2.09	+8.12 +7.12
10+80 MH			11.07	5.04	2.37	+2.67
11+20			11.10	5.01	2.68	+2.33
11+60 Brk			6.48	9.63	3.00	+6.63
12+10	T.P. 8.89	24.93	0.07	16.04	8.50	+7.54
12+60 Brk			5.80	19.13	14.00	+5.13
13+10			4.60	20.33	14.25	+6.08
13+60			3.65	21.28	14.50	+6.78
14+10 110' W of Rigel			4.44	20.49	14.75	+5.74
14+60 DE			7.46	17.48	15.00	+2.48

Sewer Cors from M.H. ℄ Thor + Birch

S.E. on ℄ Birch to M.H. Δ + across Blks B-293 + 262
To M.H. ℄ Alley in Blk 262 Page 29

✓ 00 = M.H. ℄ Thor + Birch	3.58	8.73		5.15	-3.53	+8.68	Page 5		Elev. Stub. 0+30³ Page 37 = 5.31		
									4.10 +		
+34.5			3.85	4.88	-3.37	+8.25			9.41 = π		
+69.0			3.80	4.93	-3.21	+8.14					
1+03.5			4.11	4.62	-3.05	+7.67					
1+38			4.30	4.43	-2.89	+7.32	9.41	4.95	4.46	-2.89	+7.35
1+72.5			4.30	4.43	-2.73	+7.16		4.95	4.46	-2.73	+7.19
2+07			4.57	4.16	-2.58	+6.74	RE Checked on Account of Water	5.20	4.21	-2.58	+6.79
2+41.5			4.66	4.07	-2.42	+6.49		5.38	4.03	-2.42	+6.45
✓ 2+76			4.75	3.98	-2.26	+6.24		5.51	3.90	-2.26	+6.16
3+10.5 MH ℄ Birch Δ 34°33' R (33.6)			4.58	4.15	-2.10	+6.25		5.51	3.90	-2.10	+6.00
3+44.1			4.64	4.09	-1.94	+6.03					
3+77.7			4.36	4.37	-1.78	+6.15					
4+11.3			5.42	3.31	-1.62	+4.93					
4+44.9			5.60	3.13	-1.46	+4.59					
4+78.5			6.01	2.72	-1.30	+4.03					
5+12.1			5.93	2.80	-1.14	+3.94					
5+45.7			6.29	2.44	-0.98	+3.42					
5+79.3 T.P.	10.81	13.39	6.15	2.58	-0.84	+3.42					
6+12.9			7.52	5.87	-0.66	+6.53					
6+46.5 M.H. ℄ Alley Blk B (47.85)			7.84	5.55	-0.50	+6.05					
6+94.3			5.37	8.02	-0.08	+8.10					
7+42.1 T.P.	8.21	16.45	5.15	8.24	+0.34	+7.90 = +7.93 gone					
7+89.9			10.42	6.03	+0.76	+5.27					
8+37.7			9.64	6.81	+1.17	+5.64					
8+85.5			10.28	6.17	1.59	+4.58					
9+33.5 MH ℄ Cottonwood			8.30	8.15	2.00	+6.15					

		16.45					
9+33.5 (47.85) MH			8.30	8.15	2.00	+6.15	
9+81.3			7.84	8.61	3.00	+5.61	
10+29.1			7.66	8.79	4.00	+4.79	
10+76.2			6.94	9.51	5.00	+4.51	
11+24.2			5.70	10.75	6.00	+4.75	8.10
11+72.5			4.03	12.42	7.00	+5.42	
12+20.5 = M.H. 9+02.39 Page 29				14.62	8.00	+6.62	
		Alley Blk B 13.39 Page 34					
00 = M.H. & Alley & Birch			7.84	5.55	-10.50	+6.05	31.38 / 5.65 / 25.73 = 25.72
+45			9.22	+4.17	0.00	+4.17	
+90 BrK (42.5)			4.15	9.24	+0.50 (4.87)	+8.74	
1+32.5 T.P.	11.35	24.04	0.70	12.69	5.37	+7.32	
1+75			5.72	18.32	10.25	+8.07	
2+17.5 T.P.	9.57	31.38	2.23	21.81	15.12	+6.69	
2+60 BrK (33.4)			4.18	27.20	20.00	+7.20	
2+93.6			2.94	28.44	23.00	+5.44	
3+27.24			2.68	28.70	26.00	+2.70	

Sewer Construction
Alleys 293 - 294 & 295
13.39 Page 34

00 = M.H. ℄ Alley Blk B			7.84	5.55	- 0.50	+6.05
+50			5.13	8.26	+1.25	+7.01 +6.88 } gone
1+00			5.70	7.69	+3.00	+4.69 +4.66 } gone
+50 T.P.	11.90	22.52	2.77	10.62	+4.75	+5.87
2+00 = Brk			7.82	14.70	+6.50	+8.20
2+45			7.31	15.21	7.26	+7.95
2+90			5.28	17.24	8.02	+9.22
3+35			5.22	17.30	8.78	+8.52
3+80 MH			8.36	14.16	9.54	+4.62
53.8	4+50.4		9.96	12.56	10.32	+2.24
4+33.8	1+00.8		6.37	16.15	11.10	+5.05
4+87.6	1+51.2		3.86	18.66	11.88	+6.78
5+41.4	2+01.6		3.88	18.64	12.66	+5.98
5+95.2	2+52.0		3.16	19.36	13.44	+5.92
6+49.0	3+02.4		1.96	20.56	14.22	+6.34
7+02.8 M.H. ℄ Vesta T.P.	7.76	28.63	1.65	20.87	15.00	+5.87
55						
7+57.8			6.76	21.87	15.50	+6.37
8+12.8			5.81	22.82	16.00	+6.82
8+67.8			5.98	22.65	16.50	+6.15
9+22.8			4.64	23.99	17.00	+6.99
9+77.8			4.23	24.40	17.50	+6.90
10+32.8 MH			4.15	24.48	18.00	+6.48
10+87.8			4.33	24.30	18.32	+5.98
11+42.8			4.00	24.63	18.64	+5.99
11+97.8			4.03	24.60	18.96	+5.64
12+52.8			3.72	24.91	19.28	+5.63
13+07.8			2.37	26.26	19.60	+6.66
13+62.8 M.H. ℄ Woden			1.41	27.22	19.91	+7.31

Not Right of plan 30 Short

Alley 295

28.63

13+62 50.7 MH dw. to TP. 4.71	31.43	1.41	27.22	19.91		+7.31
14+13 5		4.64	26.77	20.20		+6.57
14+64 5		5.45	25.98	20.50		+5.48
15+14 9		4.90	26.53	20.80		+5.73
15+65 6		3.06	28.37	21.10		+7.27
16+16 3		1.97	29.46	21.40		+8.06
16+67 0		0.43	31.00	21.70		+9.30
17+17 8 D.E. E. of wooden		1.50	29.93	22.00		+7.93

Alleys Blks C-302-301-300 & Etta St

17.70

Raised 0.83

2+78.2 00 = MH. 16" Linx & Blk C. Page 6		12.31	5.39	-2.00		+7.39	9.67	Rods
+30 2		12.40	5.30	-1.80		+7.10		436
+60 4		12.62	5.08	-1.60		+6.68		457
+90 9		12.72	4.98	-1.40		+6.38		467
1+21 2		12.80	4.90	-1.20		+6.10		476
1+51 5		12.40	4.90	-1.00		+5.90		473
1+82 0		13.03	4.67	-0.80		+5.47		498
2+12 3		13.03	4.67	-0.60		+5.27		498
2+42 7 MH. 35		12.74	4.96	-0.40		+5.36		469
2+77.7		12.96	5.44	-0.05		+5.49		430
3+12 7		12.12	5.58	+0.30		+5.28		1322
3+47 7		11.08	6.62	+0.65		+5.97		1215
3+82.7 Blk		2.16	15.54	+1.00		14.54		325

Same

T.P. 12.74 18.83 3.58 6.09

31.

Bm. 35.40 Alpha

Re-checked on Account of Water in Alley - Walker

Grades	Rods			
-2.00				
-1.80	436	5.31	-1.80	+7.11
-1.60	457	5.10	-1.60	+6.70
-1.40	467	5.00	-1.40	+6.40
-1.20	476	4.91	-1.20	+6.11
-1.00	473	4.94	-1.00	+5.94
-0.80	498	4.69	-0.80	+5.49
-0.60	498	4.69	-0.60	+5.29
-0.40	469	4.98	-0.40	+5.38
-0.05	430	5.37	-0.05	+5.42
+0.30	1322	5.61	+0.30	+5.31
+0.65	1215	6.68	+0.65	+6.03
+1.00	325	15.58	+1.00	+14.58

1106
452 -
1358
874 -
484 - TP
283 +
9.67 = X

		17.70					⊼				
3+82.7 BPK 45.2			2.16	15.54	+1.00	+14.54	1883				
4+27.9			0.05	17.65	+6.75	+10.90		1.16	17.67	6.75	+10.92
4+73.0 MH ℄ Una St			0.62	17.08	+12.50	+4.58					
47.1 T.P. on ch 6.71		24.47	+0.06	17.76							
5+20.1			5.15	19.32	13.07	+6.25					
5+69.2			4.95	19.52	13.64	+5.88					
6+14.4			4.63	19.84	14.21	+5.23					
6+61.5			4.12	20.35	14.78	+5.57					
7+08.6			2.78	21.69	15.35	+6.34					
7+55.8			2.55	21.92	15.92	+6.00					
8+03 M.H. 47.1	8.15	31.06	1.56	22.91	16.50	+6.41					
8+50.1			8.66	22.40	17.07	+5.33					
8+97.2			7.86	23.20	17.64	+5.56					
9+44.4			7.16	23.90	18.21	+5.69					
9+91.5			6.89	24.17	18.78	+5.39					
10+38.6			6.31	24.75	19.35	+5.40					
10+85.8			5.29	25.77	19.92	+5.85					
11+33 MH ℄ Vesta 47.1			4.84	26.22	20.50	~~+5.92~~ +5.72 6' South					
11+80.1			3.37	27.69	21.42	+6.27					
12+27.2			2.16	28.90	22.35	+6.55					
12+74.4			0.85	30.21	23.28	+6.93					
13+21.5 T.P. 10.48		41.37	0.17	30.89	24.21	+6.68					
13+68.6			9.68	31.69	25.14	+6.55					
14+15.8			8.89	32.48	26.07	+6.41					
14+63 M.H.			8.53	32.84	27.00	+5.84					

4/17

14+63 MH. 47 1					27.00	+5.84
15+10 1			5.04	33.33	27.50	+5.83
15+57 2			7.13	34.14	28.00	+6.14
16+04 4			7.13	34.14	28.50	+5.64
16+51 5			7.12	34.25	29.00	+5.25
16+98 6			6.35	35.07	29.50	+5.57
17+45 8			6.36	35.01	30.00	+5.01
17+93 MH. ℄ Woodin 46.33			4.81	36.56	30.50	+6.06
18+39 23			4.46	36.91	30.75	+6.16
18+85 67			4.16	37.21	31.00	+6.21
19+32			4.08	37.29	31.25	+6.04
19+78 33			4.39	36.98	31.50	+5.48
20+24 67			4.37	37.00	31.75	+5.25
20+71 MH. TP ℄ 39th St 4/3 52		4.18	3.53	37.84	32.00	+5.84
21+23			2.99	39.19		+6.19
21+75			1.67	40.51		+6.51
22+27			1.38	40.80	35.0	+5.80
22+79			0.96	41.22	36.0	+5.22
23+31 D.E. ℄ E 1a St			0.70	41.48	37.00	+4.48
℄ 39th St						
00=20+71 MH above			4.34	37.84	32.00	+5.84
+54			3.14	39.04	33.20	+5.84
1+08			1.84	40.34	34.20	+5.94
1+62	1.61	5.18	0.61	41.57	35.60	+5.97
2+16			11.52	42.66	36.80	+5.86
2+70 D.E.			11.08	43.10	38.00	+5.10

Ch. B.M.

54.18 Ch B.M. est 42/10/26

39.94
50.92
31
55.01
50.30

5039 BP School Math & E 42/10/26

E. on Vesta & Delta from MH 11+33 P. 38

6' South

11+33 =	12.52					
00 = M.H. ℄ Vesta Page 38		38.74		26.22	20.50	+5.72
+55			11.47	27.27	21.33	+5.94
1+10			10.33	28.41	22.17	+6.24
1+65 M.H. ℄ Vesta Delta			9.14	29.60	23.00	+6.60
51.6 2+16			7.50	31.24	25.50	+5.74
2+68			4.97	33.77	28.00	+5.77
3+19			2.43	36.31	30.50	+5.81
	TP 11.90	49.96	0.68	38.06		
3+71			10.56	39.40	33.00	+6.40
4+23 M.H. ℄ Alley Spur			9.34	40.62	35.50	+5.12
51 4+74			8.38	41.58	36.28	+5.30
5+25			7.09	42.87	37.07	+5.80
5+76			5.80	44.16	37.85	+6.31
6+27			4.63	45.33	38.64	+6.69
6+78			4.02	45.94	39.42	+6.52
7+29			3.93	46.03	40.22	+5.81
7+80 M.H. ℄ 39th St			3.26	46.70	41.00	+5.70
55 8+35			2.28	47.68	42.37	+5.31
8+90			0.92	49.04	43.75	+5.29
	12.29	62.03	0.22	49.74		
9+45			11.75	50.28	45.12	+5.16
10+00			10.43	51.60	46.50	+5.10
10+55			8.93	53.10	47.87	+5.23
11+10 MH			6.80	55.23	49.25	+5.98
11+65			4.36	57.67	50.62	+7.05
12+20			2.98	59.05	52.00	+7.05
12+75			1.40	60.63	53.37	+7.26
	TP 13.22	74.60	0.65	61.38		
13+30			12.41	62.19	54.75	+7.44

Delta St
74.60

13+85	11.88	62.72	56.12	+6.60
14+40 M.H. ℄ 40th 50	11.10	63.50	57.50	+6.00
14+90	10.18	64.42	58.39	+6.03
15+40	9.34	65.26	59.28	+5.98
15+90	8.57	66.03	60.17	+5.86
16+40	8.37	66.23	61.06	+5.17
16+90	7.71	66.89	61.95	+4.94
17+40 M.H. 48.33	6.18	68.42	62.84	+5.58
17+88 33	4.51	70.09	63.70	+6.39
18+36 67	3.47	71.13	64.56	+6.57
18+85	3.04	71.56	65.42	+6.14
19+33 33	2.20	72.40	66.28	+6.12
19+81 67	1.49	73.11	67.14	+5.97
20+30 D.E.	0.19	74.49	68.00	+6.49

Blk B Edendale & Blks 304 & 305

00 = MH. ¢ 37th	3.44	10.99		7.55	-1.00	+8.55						
+36			2.88	8.11	-0.90	+9.01						
+72			3.47	7.52	-0.80	+8.32						
1+08			3.69	7.30	-0.70	+8.00						
1+44			3.64	7.35	-0.60	+7.95						
1+80			3.87	7.12	-0.50	+7.62						
2+16			3.97	7.02	-0.40	+7.42						
2+52			3.92	7.07	-0.30	+7.37						
2+88			4.34	6.65	-0.20	+6.85						
3+24			4.38	6.61	-0.10	+6.71						
3+60 MH 35			4.46	6.53	0.00	+6.53	427	10.80		6.53	0.00	+6.53
3+95			4.66	6.33	0.11	+6.22 ✓			4.47	6.33	0.11	+6.22
4+30			5.05	5.94	0.23	5.71 ✓			4.86	5.94	0.23	+5.71
4+65			4.94	6.05	0.34	5.71 ✓	This slake run over		4.86	5.94	0.34	+5.60
5+00			4.80	6.19	0.46	5.73 ✓			4.61	6.19	0.46	+5.73
5+35			4.82	6.17	0.57	+5.60 ✓			4.63	6.17	0.57	+5.60
5+70			4.62	6.37	0.69	+5.68 ✓			4.43	6.37	0.69	+5.68
6+05			4.95	6.04	0.80	+5.24 ✓	(This slak was skipped on original Marking)		4.76	6.04	0.80	+5.24
6+40			7.11	3.88	0.92	+2.96 ✓			6.92	3.88	0.92	+2.96
6+75			10.30	0.69	1.03	-0.34 ✓			10.11	0.69	1.03	-0.34
Now = 7+01 location intersection ℄ Alleys					1.11							
7+10 MH. △ ¢ Alley Blk 304			7.73	3.26	~~1.14~~	+2.12 ✓ -0.33			7.54	3.26	1.14	+2.12

dist.

Measured 701

Alley bet. Acacia + Birch sts.

Pr. ⑤ Shout 6

From Blk 304 West

Above M.H. 7+10 △ ¢ Alley Blk 304

= 0+00 6 = 46.67		11.57	10.79	0.78	1.11	-0.33						
+46.7			5.73	5.84	3.09	+2.75						
T.P.	11.59	22.95	0.21	11.36								
+93.3			10.62	12.33	5.07	+7.26						

Page 42

Elev. Stub. sta. 7+10 = 3.26

8.31

11.57 = ⊼

0.21

11.36 = T.P.

11.59

22.95 = P.

Walker

Alley Cont.
Bet. Acacia + Birch
Blk. 304

1+40.01		22.95	8.02	14.93	7.05	+7.88
+86.68			5.49	17.46	9.03	+8.43
2+33.35			7.70	15.25	11.04	+4.24
2+80 = M.H. ℄ Siva 8-42.5			4.79	18.16	13.00	+5.16
3+22.5			2.49	20.46	13.27	+7.19
+65.0			1.22	21.73	13.54	+8.19
4+07.5			0.55	22.40	13.81	+8.59
T.P.	4.09	26.49	0.55	22.40		
+50			3.55	22.94	14.08	+8.86
+92.5			3.12	23.37	14.35	+9.02
5+35			3.12	23.37	14.62	+8.75
+77.5			3.44	23.05	14.89	+8.16
6+20 = M.H. Blk. 305 6-53.33			4.98	21.51	15.16	+6.35
6+73.33			6.29	20.20	15.50	+4.70
7+26.66			5.47	21.02	15.84	+5.18
+79.99			6.50	19.99	16.18	+3.81
8+33.32			6.70	19.79	16.52	+3.27
+96.65			4.06	22.43	16.86	+5.57
9+40 = MH ℄ Rigel + Alley 6-40			3.18	23.31	17.20	+6.11
T.P. 6.82		30.13	3.18	23.31		
9+80			6.52	23.61	17.36	+6.25
10+20			6.47	23.66	17.53	+6.13
10+60			6.48	23.65	17.69	+5.96
11+00			5.85	24.28	17.86	+6.42
11+40			5.39	24.74	18.02	+6.72
11+80 = ℄ M.H. Blk. 306 1-43			7.89	22.24	18.18	+4.06
12+23			11.21	18.92	18.36	+0.56
12+35 = 1st Pier con.			11.99	18.14	18.41	-0.27

22.95 = π
0.55 −
22.40 = TP
4.09 +
26.49 = π
3.18 −
Elev Stub ℄ Rigel = 23.31 = TP
6.82 +
30.13 = π
11.99 −
18.14 = TP

18.18
4.54
22.72

18.92
3.84
22.76

4.54
18.22

3.89
55
4.44
18.32

MH			18.18	
43'N 12			18.36	+0.36
1st Pier	4.62	18.14	18.41	-0.27
2 Pier	6.10	16.66	18.46	-1.80
3	8.17	14.57	18.51	-3.94
4	6.58	16.17	18.56	-2.39
12 C.C.I.	5.37	17.37	18.61	-1.24
48	1.44	21.33	18.81	+2.52

3.46
55
4.01 18.75 0.6 Low

Alley Cont.

bet. Acacia + Birch

Blk. 304

T.P. 680		1199	1814			
12+47 = 2nd Con. Pier	24.94	8.28	16.66	18.16	− 1.80	18.14 = TP
						680 +
+59 = 3rd Con. Pier		10.37	14.57	18.51	− 3.94	24.94 = ⊼
						890 −
+71 = 4th Con. Pier		8.77	16.17	18.56	− 2.39	24.04 = TP
12+83		7.57	17.37	18.61	− 1.24	4.33
13+31.5		3.61	21.33	18.81	+ 2.52	28.37
		3.71	21.23			5.07
13+80 = D.E. SL. Boston bet. Birch + Acacia		4.15	20.79	19.00	+ 2.23	23.30
14+09 = DE				19.12	+ 1.67	23.31 = Elev
						0.01 ✓ stub

RIGEL st. 6"

From ℄ Alley bet. BIRCH + Acacia sts. to ℄ Acacia + Alley Produced thence East thru. Blk. 9. to D.E.

9+40 ℄ M.H. Rigel st. Page 43						
= 0+00	34.13			17.20		Sta. 9+40 page 43. Elev stub = 23.31
4-48.42				17		10.82 +
0+48.42		8.77	25.36	18.90	+ 6.46	34.13 = ⊼
0+96.84		7.52	26.61	20.60	+ 6.01	146 −
1+45.27		6.65	27.48	22.30	+ 5.48	32.67 = TP
				17		691 +
1+93.7 = ℄ M.H. int. Acacia + Alley		5.09	29.04	24.00	+ 5.04	39.58 = ⊼
6-50						11.05 −
2+43.7		4.93	29.20	24.75	+ 4.45	Sta 2+60 page 56 = Elev stub NE = 28.53 = ✓
+93.7		5.33	28.80	25.49	+ 3.31	
3+43.7		3.62	30.51	26.24	+ 4.27	
+93.7		2.52	31.61	26.98	+ 4.63	
4+43.7		1.41	32.72	27.73	+ 4.99	
T.P. 691	39.58	1.46	32.67			
4+93.7 = ℄ M.H. Blk. 9		6.09	33.49	28.47	+ 5.02	
5-54						
5+47.7		4.25	35.33	29.28	+ 6.05	
6+01.7		4.37	35.21	30.08	+ 5.13	
+55.7		3.66	35.92	30.89	+ 5.03	
7+09.7		3.06	36.52	31.69	+ 4.83	
7+63.7 = DE.		2.35	37.23	32.50	+ 4.73	
+73.7 = DE = 40' W. WL 36th		1.94	37.64	32.65	+ 4.99	

190.7

Delta Spur M.H. Sta. 4+23 = 0+00 to 39th
Stood on 0+00 Thru DIKE "Arlington" Thence East on Epsilon 38.06.

4+23 = 0+00	907	4713	6.50	40.63	35.50	+5.13
0+46			5.77	41.36	35.79	+5.64
0+90			4.90	42.43	35.93	+6.50
1+38			4.89	42.98	36.15	+6.09
1+84			6.40	40.93	36.36	+4.57
2+30 = MH 41.14			6.39	40.74	36.58	+4.16
2+77.14			6.71	40.42	36.76	+3.66
3+24.28	T.P. 6.85	49.13	4.85 / 7.18	42.28 / 41.95	36.94	+5.01
3+71.44			6.47	42.86	37.13	+5.73
4+18.56			5.49	43.64	37.31	+6.33
4+65.7 = MH E 39th			5.43	43.90	37.50	+6.40
5+06.95			5.61	43.57	37.75	+5.77
5+48.40 MH & Epsilon			5.66	43.47	38.00	+5.47
5+98.40			4.41	44.72	38.72	+6.00
6+48.40			3.53	45.60	39.44	+6.16
6+98.40			2.49	46.64	40.16	+6.48
7+48.40			1.83	47.30	40.88	+6.42
7+98.40			1.54	47.59	41.60	+5.99
8+48.40 MH			1.35	47.78	41.73	+5.46
8+58.0 9+06.40	T.P. 6.39	5488	1.03 / 0.64	48.10 / 48.49	43.16	+4.94
9+64.40			5.57	49.31	44.00	+5.31
10+14.40			5.06	49.81	44.83	+4.99
10+80.40			3.44	51.46	45.67	+5.79
11+38.40 = DE			2.01	52.87	46.50	+6.37
	CH BM 5039		4.59	50.74		
	School House					

39th ST
Epsilon to Delta
49.13 π

46.57.00	5.73	+3.9°	37.50	+6.40	
5.75	4.95	44.18	38.12	+6.06	
"	4.94	44.19	38.75	+5.44	
"	4.39	44.74	39.37	+5.37	
5+10 = DE	3.97	45.16	40.00	+5.16	

Walker

Sewer Construction From point 40' West 40+54 on ℄ Gamma (= O.E.) West to ℄ 39th thence South to ℄ Alley Blk 417 thence West thru. Blk 417 bet. Gamma + Delta thence North to ℄ 38th + Beta thence West to ℄ 37th + Beta = Station 26+29.3 = Sta. 718.5 Page 6
(Plan Sheet 3 + 6) Profile Sheet 4

40' West WL 40th St = 0+00 = OE (3-50)	86.38	5.05	81.33	70.50		+10.83
+50		3.50	81.88	69.33		+13.55
1+00		6.57	79.81	68.16		+11.65
1+50 = Dr ℄ (3-46.67 T.P. 1.22)	74.55	13.05 (13.05)	73.33 (79.33)	67.00		+ 6.33
+96.67		6.39	68.16	63.50		+4.66
2+43.34		9.95	64.60	60.00		+4.60
2+90 = ℄ MH (4-50 T.P. 1.43)	63.41	11.95 (12.57)	62.60 (61.98)	56.50		+ 6.10
3+40		4.08	59.33	54.75		+4.58
+90		5.97	57.44	53.00		+4.44
4+40		7.61	55.80	51.75		+4.55
+90		9.36	54.05	49.50		+4.55
5+40		10.90	52.51	47.75		+4.76
5+90 = MH ℄ Gamma (4-42.45 T.P. 2.60)	+39th 54.13	11.88 (11.88)	51.53 (51.53)	46.00		+5.53
6+37.45		3.70	50.43	45.75		+5.18
+84.90		4.28	49.85	44.50		+5.35
7+32.35		4.55	49.58	43.75		+5.83
7+79.80 = MH ℄ 39th + Alley (6-47.5)		5.05	49.08	43.00		+6.08
8+27.3		5.47	48.66	42.50		+6.16
8+74.8		6.20	47.93	42.00		+5.93
9+22.3		6.53	47.60	41.50		+6.10
9+69.8		6.84	47.29	41.00		+6.29
10+17.3		7.50	46.63	40.50		+6.13
10+64.5 = MH 3.85 W ℄ 38th (6-47.23)		8.62	45.51	40.00		+5.51
11+12.03		8.98	45.15	38.66		+6.49
+59.26		9.97	44.16	37.33		+6.83

Cont. on Page 53

1+40 Page 41 = BM = MH ℄ 40th + Delta

63.50
12.54 +
76.04
0.25 -
75.79 = T.P.
10.59 +
86.38 = π
1.80 -
73.33 = T.P.
1.22 +
74.55 = π
1.57 -
61.98 = T.P.
1.43 +
63.41 = π
1.88 -
51.53 = T.P.
2.60 +
54.13 = π

Walker

Alley Bet. Boston & Newton Aves.

From a Point on Main Line West 590'
(See profile #9)

B.M. on stub at sta. 46+85.6 = ℄ R.R.	9.61	↑				
46+85.6 on Main Line		33.93		24.32		
= 0+00			9.61	24.32	16.40	+7.92
+45.71			10.89	23.04	16.98	+6.06
+91.42			9.45	24.48	17.57	+6.91
1+37.13			9.40	24.53	18.15	+6.38
+82.84			9.45	24.48	18.74	+5.74
2+28.55			9.67	24.26	19.32	+4.94
+74.26			9.88	24.05	19.91	+4.14
3+20 = M.H.			9.97	23.96	20.50	+3.46
+65			5.67	28.26	21.42	+6.84
4+10			2.86	31.07	22.33	+8.74
+55			2.41	31.52	23.25	+8.27
5+00			1.58	32.35	24.16	+8.19
+45			0.43	33.50	25.08	+8.42
T.P.	12.32	45.82	0.43	33.50		
5+90 = D.E.			10.97	34.85	26.00	+8.85
T.P.	12.30	58.21	0.11	45.71		
T.P.	11.43	68.24	1.40	56.81		
			2.84	65.40	40th + Natl.	
			2.91	65.33 =	B.M. SW top Hydr.	
				0.07		

See Plan 6
Profile - 5

Alley Bet. Alpha + Z sts.

From ℄ 39th st. 1250' West

26+08 Page 8						
= 0+00		19.01	4.80	14.21	3.25	+10.96
+50			5.42	13.59	3.47	+10.12
1+00			6.88	12.13	3.69	+8.44
T.P.	6.69	16.20	9.50	9.51		
+50			5.92	10.28	3.91	+6.37
2+00			10.37	5.83	4.13	+1.70

38th + Alpha
S.W. B.M.

11.06
+ 5.90
16.96
− 1.04
15.92
3.09
19.01

Walker Alley Bet. ALPHA + Z Sts
Cont.

		↑ 16.70				
2+50			9.97	6.23	4.35	+1.88
3+00			5.84	7.36	4.57	+2.79
+50			1.72	14.18	4.79	+9.69
T.P.	5.54	21.56	0.18	16.02		
4+00=MH.			5.68	15.88	5.0	+10.88
4+50			6.95	14.61	5.38	+9.23
5+00			7.05	14.51	5.75	+8.76
5+50			6.49	15.07	6.13	+8.94
6+00			6.74	14.82	6.50	+8.32
+50			5.83	15.73	6.88	+8.85
7+00			6.92	14.64	7.26	+7.38
+50			8.21	13.35	7.63	+5.72
8+00=MH.			8.25	13.31	8.00	+5.31
+50			5.35	16.21	8.37	+7.84
T.P.	2.11	30.32	3.21	18.15		
9+00			3.57	14.40	8.75	+5.65
T.P.	5.10	32.58	2.84	17.48		
+50			5.62	16.96	9.12	+7.84
10+00			6.63	15.95	9.51	+6.44
+50			11.27	11.31	9.88	+1.43
11+00=MH			15.67	16.96	10.25	+6.71
T.P.	3.25	13.37	12.51	20.07		
+50			5.0	18.37	11.63	+6.74
12+00			2.77	20.55	13.42	+7.13
12+50=DE.			2.67	20.65	15.00	+5.65
T.P.	1.75	14.97	1.31	20.22		
T.P.			3.88	11.09	Unknown	
				11.06		
				0.03		

Sewer Const Alpha Street Walker
From ℄ 39th St. East 590'
(Profile sh. 5)

B.M. 38th ALPHA 8.60	19.66		11.06		
DMH ℄ 39th = 0+00 (7-51.43)		4.79	14.87	8.00	+6.87
+51.43		4.66	15.00	8.23	+6.77
1+02.86		4.94	14.72	8.46	+6.26
+54.3		5.32	14.34	8.69	+5.65
2+05.7		4.91	14.75	8.92	+5.83
+57.16		4.60	15.06	9.15	+5.91
3+08.6		4.16	15.50	9.38	+6.12
3+60 = M.H.		4.25	15.41	9.60	+5.81
3+10		3.63	16.03	10.80	+5.23
4+60 = Brk.		2.97	16.69	12.00	+4.69
T.P. 12.69	29.36	2.97	16.69		
5+03.33		7.73	21.63	16.00	+5.63
5+46.7		2.47	26.89	20.00	+6.89
5+90 = DE		0.77	28.59	24.00	+4.59 = Chk. Ground (Profile)

Z St. from a Point 40' East EL 38th to 6" line ℄ 39th St.

40' E EL 38th = 0+00 = DE (6-48.33)	38.83	1.39	37.44	31.50	+5.94
0+48.33		2.27	36.56	30.06	+6.50
+96.66		3.48	35.35	28.62	+6.73
1+45		4.27	34.56	27.18	+7.38
1+93.32		5.58	33.25	25.74	+7.51
2+41.66		8.49	30.34	24.30	+6.04
2+90 = MH (6-50.3)		10.10	28.73	22.88	+5.85
3+40		11.25	27.58	21.40	+6.18
3+90		11.41	27.42	19.92	+7.50

cont. Page 50

38th
11.06 = B.M. St. Alpha
12.44 +
23.50
0.04 −
23.46
12.50 +
35.96 =
1.26 −
34.70
4.13
38.83 = π

Z st. Cont from Page 49 Walker

4+40		38.83	12.70	26.13	18.44	+ 7.69
T.P.	1.26	27.39	12.70	26.13		
4+90			2.30	25.09	16.96	+ 8.13
5+40			4.97	22.42	15.48	+ 6.94
5+90 = DMH ℄ 39th			8.94	18.45	14.00 10.00	+ 4.45

39th St + NWly Across Blks.

422 + 423

From Alley bet. Alpha + Z sts to Alley bet. National + Newton Aves. (See Profile 8)

℄ 39th st + Alley Bet Alpha + Z st.

= 0+00		19.37	5.21	14.16	3.25	+ 10.91
+40			5.35	14.02	3.67	+ 10.35
+80			10.68	8.69	4.09	+ 4.60
1+20 = Brk			10.28	9.09	4.50	+ 4.59
1+55			1.63	17.74	7.25	+ 10.49
T.P.	11.99	30.48	0.88	18.49		
1+90 = DMH ℄ Z st. = sta 5+90 above			12.05	18.43	14.00 10.00	+ 4.45 ✓ 0.02
2+37.45			9.91	20.57	10.50	+ 10.07
2+84.90			5.39	25.09	11.00	+ 14.09
3+32.35			6.27	24.21	11.50	+ 12.71
3+79.80	∠20°37'		9.47	21.01	12.00 18.00	+ 9.01
8-50.9	= DMH Alley bet Z st + Boston					
4+30.7			3.56	26.92	20.65	+ 6.27
T.P.						
4+81.6			0.00	30.48	23.30	+ 7.18
T.P.	13.12	43.60	0.00	30.48		
5+32.5			5.56	38.04	25.95	+ 12.09
5+83.4			8.42	35.18	28.60	+ 6.58
6+34.3			5.56	38.04	31.25	+ 6.79
6+85.2			3.85	39.75	33.90	+ 5.85
T.P.	12.67	54.08	1.19	42.41		
7+36.1			8.83	45.25	36.55	+ 8.70

Cont Page 51

4.82
11.03
15.85

38.83
12.70
26.13
1.26
27.39 = π
9.65 −
17.74
1.63
19.37 = π

+ 8.45

10.00
10.41
20.41

1.30
19.11

3.25
15.85
19.10

1.30
17.80

10.40
8.70

19.37
0.88 −
18.49
11.99 +
30.48 = π
0.00 −
30.48
13.12 +
43.60 = π
1.19 −
42.41
11.67 +
54.08 − π

5.06

14.04
2.67
+10.37

9.06 10.04
4.09
+5.95

19.10
10.85
8.25
3.88
12.13
4.50
7.63
.55
7.08

8.25
4.50
+3.75

2.99
4.88
6.86

12.13
2.09
10.04
4.09
5.95

Walker

39th st NWLY Cont. From Page 50

7+87.0 = DMH & Alley Bet Newton & Boston (9+48.69)	Δ 9°02' L	~~54.08~~ 57.02	10.92 ~~8.98~~	46.10 Stake Shifted ~~45.10~~	57.02 10.92 46.10 39.20 } 40.60	+ 6.90 + ~~5.90~~	+ 5.50 + ~~4.50~~	54.08
8+35.69		57.02	11.49	45.53	43.09	+ 2.44		T.P. 0.80 −
8+84.39			8.54	48.48	45.58	+ 2.90	Δ 9°2' = 45.10 = Elev stub	53.28
9+33.09	12.79	69.43	3.88 0.38	53.14 56.64	48.07	+ 5.07	11.92 + 57.02 0.38 −	12.89 + 66.17
9+81.78			7.70	61.73	50.56	+ 11.17	56.64 = T.P. 12.79 +	0.69 T.P. 65.48
10+30.49			6.33	63.10	53.05	+ 10.05	69.43 = π 0.11 −	12.51 + 77.99
10+79.19			10.72	58.71	55.54	+ 3.47	69.32 = T.P.	− 0.18 T.P. 77.81
11+27.9			4.35	65.08	58.03	+ 7.05	12.02 +	6.0 + 83.81
11+76.58			2.69 2.09	66.74 67.34	60.51	+ 6.23	See page 52 for 81.34 = π	7.30
12+25.2 = MH & Alley Bet natl. + Newton Ave.					63.00	+ 4.34	Rodman, Held rod on ℄ insted offset see Sta 225.26 page 52 for correction	Chk. on 38th natl. 76.51 = 76.58 = BM + 0.07

{From 39th st 430' East See Page 55}

Alley Bet. Boston Ave. + Z st.

From ℄ 39th st West 590' (Profile 8 Plan 2)

block 421 Duncans Addition

3+79.8 Page 50 = 0+00 = ℄ 39th DMH 2-50		33.38			12.00 18.00	+ 9.01	Sta. 379.8 Page 50 BM on Stub of Δ +3.01	21.01 12.37 + 33.38 = π
0+50 T.P.			7.15	26.23	19.50	+ 6.73		0.27 − 33.11 = T.P.
1+00 = Brk. 3-46.66	T.P. 12.54	45.65	6.13 0.27	27.25 33.11	21.00	+ 6.25		12.54 + 45.65 = π
1+46.66			11.52	34.13	27.67	+ 6.46		0.07 − 45.58 = T.P.
1+93.33 T.P.	12.09	57.67	6.11 0.07	39.54 45.58	34.33	+ 5.21		12.09 + 57.67 = π
2+40 = Brk 2-50			12.20	45.47	41.00	+ 4.47		− 0.12 57.55 = T.P.
2+90 T.P.	12.69	70.24	2.71 0.12	54.96 57.55	49.50	+ 5.46		12.69 + 70.24 = π
3+40 = MH 3-50			7.61	62.63	58.00	+ 4.63		0.02 − 70.22 = T.P.
3+90 T.P.	2.24	72.46	2.19 0.02	68.05 70.22	58.60	+ 9.45		2.24 + 72.46 = π
4+40			1.89	70.57	59.20	+ 11.37		13.14 − 59.32 = T.P.
4+90			1.35	71.11	59.80	+ 11.31		0.60 + 59.92
5+40			5.76	66.70	60.40	+ 6.30		12.69 − 47.23 = T.P.
5+90 = DE = 40' E.E.L 38th st.			8.67	63.79	61.00	+ 2.79	Chk on 0+00 on Z st. Page 49 = Elev. DE = 37.44	3.01 + 50.24 − 12.82 37.42 − 0.02

Alley Bet. Boston & Newton Aves.
From 38th to 39th St. (Profile 9 Pl. Sheet 2)

B.M. S.E. B.P. 38th + Nat'l.	2.70	⊼ 79.28	R	76.58		
40' East EL 38th St. = 0+00 = DE			5.38	73.90	69.50	+ 4.40
4-48.63	T.P. 0.54	74.44	5.38	73.90		
0+48.63			2.45	71.99	67.62	+ 4.37
+ 97.24			2.95	71.49	65.75	+ 5.74
1+45.87			4.84	69.60	63.87	+ 5.73
1+94.5 = DMH			7.63	66.81	62.00 / 58.50	+ 4.81
4-42.5						
2+37			8.84	65.60	57.12	+ 8.48
+ 79.5			8.91	65.53	55.75	+ 9.78
3+22.0			11.59	62.85	54.37	+ 8.48
	T.P. 0.06	61.31	13.19	61.25		
+ 64.5 = Brk.			2.48	58.83	53.00	+ 5.83
4+04.5			9.18	52.13	46.10	+ 6.03
4+44.5 = DMH = Sta. 7+87 page 51			15.14	46.17	39.20	✓ 0.07 + 6.90 + 5.50
2-37.74						
4+82.24			17.04	44.27	39.85	+ 4.42
5+20 = DE = 40' W 39th St.			9.07	52.24	40.50	+ 11.74

+ 8.31

38th + Nat'l.
76.58 = B.M.
2.70 +
79.28
5.38
73.90 = T.P.
0.54 +
74.44 = ⊼
13.19 −
61.25 = T.P.
0.06
61.31
15.14
46.10 = 46.17 = ✓ on Station 7+87 p. 51

Alley Bet. Newton + Nat'l. Aves.
From 38th to 39th St. (Profile 9 Sheet 2)

40' E EL 38th St. = 0+00 = DE.	⊼ From page 51	81.34	3.45	77.89	74.00	+ 3.89
3-41.75						
+ 41.75			1.89	79.45	72.67	+ 6.78
+ 83.5			3.64	77.70	71.33	+ 6.37
1+25.26 = Brk.			5.38	75.96	70.00	+ 5.96
2-50						
1+75.26			9.59	71.75	66.50	+ 5.25
2+25.26 = MH = Sta. 12+25.2 page 51			13.18	68.16	63.00	+ 5.16
6-49.12						
2+74.38			10.12	71.22	64.83	+ 6.39
3+23.51			5.55	75.79	66.66	+ 9.13
3+72.63			3.21	78.13	68.50	+ 9.63
4+21.76			2.51	78.83	70.33	+ 8.50

cont. on opposite page

Continuation of Alley bet. Newton + Nat'l.

⊼ 81.34

4+70.88 — 2.12 — 79.22 — 72.16 — + 7.06
1.64 — 79.70 — 74.00 — 5.70
5+20 = DE = 40' W. WL 39th St.

H.I. from page 51 = 81.34
1.31 −
80.03 = T.P.
3.94 +
83.97
7.44 −
76.53
76.58 = B.M. 38th + Nat'l.
+ 0.05 ✓

Cont. from page 46

12+06.5	54.13	10.56	43.57	36.00	+7.57		54.13 = π
+53.73		11.60	42.53	34.66	+7.87		13.26
13+00.96		13.26	40.87	33.33	+7.54		40.87 = TP
T.P. 1.29	42.16	13.26	40.87				1.29 +
13+48.2 = M.H. of △ Blk. 417		4.15	38.01	32.00	+6.01		42.16 = π
3-47.66							12.53 -
13+95.86		7.07	35.09	24.66	+10.43		29.63 = TP
14+43.52		9.65	32.51	17.33	+15.18		1.63 +
T.P.	19.32						31.26 = π
14+91.2 = M.H. EL 38th st + Alley △		1.69	17.63	10.00	+7.63		12.81 -
2-35.5							10.45 = TP
15+26.7		4.55	14.77	8.50	+6.27		0.87 +
15+62.2 = A.M.H 38th st + Alley produced		6.34	12.98	7.00 4.00	+5.98	+8.98	19.32 = π
5-43.42							9.79
16+05.62		8.18	11.14	3.80	+7.34		9.53 = TP
+49.04		8.43	10.89	3.60	+7.29		3.30 +
+92.46		8.58	10.74	3.40	+7.34		12.83 = π
17+35.88		8.71	10.61	3.20	+7.41		For Ck. see page 54
17+79.3 = M.H. Bet Gamma + Beta on 38th		9.07	10.25	3.00	+7.25		
4-47.5							
18+26.8		9.25	10.07	2.75	+7.32		
+74.3		9.36	9.96	2.50	+7.46		
19+21.8		9.42	9.90	2.25	+7.65		
19+69.3 = M.H. ℄ Beta + 38th		9.79	9.53	2.00	+7.53		
7-47.14 T.P. 3.30	12.83	9.79	9.53				
20+16.44		3.30	9.53	1.72	+7.81		
+63.58		3.80	9.03	1.44	+7.59		
21+10.73		4.39	8.44	1.15	+7.29		
+57.87		4.46	8.37	0.87	+7.50		
22+05.01		4.73	8.10	0.58	+7.52		
+52.16		4.83	8.00	0.29	+7.71		
22+99.3 M.H = bet. 38th + 37th on Beta		4.95	7.88	0.00	+7.88		

Cont. on page 54

cont. from page 53

7-47.14

				El.		
23+46.44	12.83	4.93	7.90	-0.18	+8.08	
+93.58		5.17	7.66	-0.36	+8.02	
24+40.73		5.66	7.17	-0.54	+7.71	
24+87.87		5.71	7.12	-0.72	+7.84	
25+35.01		6.05	6.78	-0.90	+7.68	
25+82.16		6.68	6.15	-1.08	+7.23	
26+29.3 = D.M.H. ℄ 37th Beta = Sta. 7+16 = page 6				-1.25		

Alley N.E. of Acacia

From 38th St. & ℄ Alley produced to

A point 328' West (= DE)

15+62.2 = Page 53 = 0+00 = DNH	19.32	6.34	12.98	4.00 (7.00)	+8.98	+5.98
7-46.86 +46.87		6.49	12.83	4.21	+8.62	
+93.73		6.94	12.38	4.42	+7.96	
1+40.59		10.38	8.94	4.64	+4.30	
1+87.45		11.02	8.30	4.85	+3.45	
2+34.3		11.37	7.95	5.07	+2.88	
2+81.15		11.66	7.66	5.29	+2.37	
3+28 = DE		11.87	7.45	5.50	+1.95	

12.83 = π
3.30 −
9.53
4.97 +
14.50
13.45 −
11.05
11.06 = BM
+0.01 38th + Alpha

6.15
5.13
1.28
1.28
1.53

Alley Bet Gamma + Beta Sts.
From ℄ 38th St. East 590' (Profile 4 Sheet 6)

17+79.3 Page 53		23.48					
8-46.25 = 0+00					3.00	For Cut See Page 53	
+46.25			12.88	10.60	3.50	+7.10	
+92.5			12.79	10.69	4.00	+6.69	
1+38.75			12.65	10.83	4.50	+6.33	
+85.0			12.68	10.80	5.00	+5.80	
2+31.25			12.09	11.39	5.50	+5.89	
2+77.5			11.84	11.64	6.00	+5.64	
3+23.75			11.45	12.03	6.50	+5.53	
3+70 = M.H.			8.84	14.64	7.00	+7.64	
4-42.5 4+12.5			1.77	21.71	16.75	+4.96	
T.P.	12.95	36.29	0.14	23.34			
4+55			2.72	33.57	26.50	+7.07	
T.P.	12.71	48.75	0.25	36.04			
4+97.5			7.23	41.52	36.25	+5.27	
T.P.	10.78	58.88	0.65	48.10			
5+40 = Brk			7.67	51.21	46.00	+5.21	
5+90 = DE = 40' W.W.L. 39th St.			3.70	55.18	50.00	+5.18 → Note: Line Extended 5-19-43 See Page 21	

17+79.3 Page 53
10.25 = Elev M.H. Stub
13.23 +
23.48 = ⊼
0.14 −
23.34 = T.P.
12.95 +
36.29 = ⊼
0.25 −
36.04 = T.P.
12.71 +
48.75 = ⊼
0.65 −
48.10 = T.P.
10.78 +
58.88 = ⊼
7.35
51.53 = Elev. stub Sta 5+90 Page 46

Alley Bet. Boston Ave & Z Sts. (Profile 8 Sheet 2)
From ℄ 39th St to a Point 430' East = DE

(From 39th St 590' West See Page 51)

Station 3+79.8 Page 50 = M.H. & 39th St. = 0+00		25.94	4.93	21.01	12.00	+9.01	
0+47.78			7.24	18.70	12.19	+5.98	+6.51
+95.56			9.02	16.92	12.38	+3.48	+4.54
1+43.34			8.95	16.99	12.57	+2.83	+4.42
+91.12			8.56	17.38	12.76	+2.50	+4.62
2+38.9			8.08	17.86	12.95	+2.26	+4.91
+86.68			7.75	18.19	13.14	+1.87	+5.05
3+34.46			7.73	18.21	13.32	+1.17	+4.89
3+82.23 = DE			7.24	18.70	13.50	+0.93	5.20

Elev. D M.H. stub Sta. 3+79.8 Page 50 — 21.01
4.93 +
25.94 = ⊼
1.73 −
24.21

Chk. on Stub. 3+32.35 Page 50 Elev. = 24.21
0.00

4+30 = DE this Leftout.

Siva St.

From ℄ Alley Bet. Acacia + Birch Sts to ℄ Acacia (Profile 5 sheet 6)

2+80 Page 43 = 0+00	A.I. From below 30.35	12.22	18.13	13.00	+ 5.13	
+ 47.5		8.98	21.37	14.50	+ 6.87	
+ 95.0		7.66	22.69	16.00	+ 6.69	
1+42.5		7.26	23.09	17.50	+ 5.59	
1+90 = MH ℄ Acacia St.		4.77	25.58	19.00	+ 6.58	

30.35
12.22 −
18.13 = TP
1.06 +
19.19
9.59 −
9.60 = TP
1.97 +
11.57
8.31
3.26 = ✓ on stub
sta. 7+10 Page 42

Acacia St.

From DE. 70'S East ℄ Siva St to " " 190' N.W. ℄ Siva St. (Profile 5 sheet 6)

70'S East ℄ Siva St = 0+00	28.46	3.36	25.10	20.00	+ 5.10	
0+35		3.20	25.26	19.50	+ 5.76	
+ 70 = 1+90 = above MH.		2.88	25.58	19.00	+ 6.58	
1+17.5		3.15	25.31	20.00	+ 5.31	
+ 65.0		1.67	26.79	21.00	+ 5.79	
2+12.5 TP	2.09 30.35	0.72 0.20	27.74 28.26	22.00	+ 5.74	
+ 60.0 = DE 190' N.West of ℄ Siva St.		1.85	28.50	23.00	+ 5.50	

Page 42 Elev. Stub at sta. 7+10 = 3.26
12.97 +
16.23 = ⊼
0.27 −
15.96 = TP
12.50 +
28.46 = ⊼
0.20 −
28.26 = TP
2.09 +
30.35 = ⊼
12.22 −
18.13 = TP

Line across Blks. 5 & 8 Bet Alley North of Boston & Alley South of National Ave
From existing M.H. in Blk 5 to M.H. 126.5 East EL 34th in Blk 8, thence East to D.E. approximately 40 West WL 36th st. {Profile 17 Sheet 5}

existing M.H. at Alley bet. Natl. + Newton = 0+00	4.14	10.96	8.24	2.72	1.09 ~~2.00~~	
5-43.86 T.P.	8.47	18.60	00.83	10.13		
+43.86			5.33	13.27	2.30	+10.97
+87.72			7.17	11.43	2.60	+8.83
1+31.58			13.98	4.62	2.90	+1.72 –
+75.44			9.73	8.87	3.20	+5.67 – P.C.
2+19.30 = MH. & Newton △			4.06	14.54	3.50	+11.04
4-47.5						
+66.8			6.57	12.03	3.87	+8.16
3+14.3			6.40	12.20	4.25	+7.95
+61.8			2.80	15.80	4.62	+11.18
T.P.	9.34	20.37	7.57	11.03		
4+09.3 = MH & Alley 126.5 E EL 34th			12.34	8.03	5.00	+3.03
2-37.6						
+46.9			12.02	8.35	5.25	+3.10
4+84.5 = Blk.			12.60	7.77	5.50	+2.27
3-53.33 T.P.	12.47	32.47	0.37	20.00		
5+37.83			11.20	21.27	10.67	+10.60
+91.16			6.36	26.11	15.84	+10.27
6+44.5 = MH West of 35th			4.52	27.95	21.00	+6.95
5-53.3						
+97.8			2.90	29.57	22.40	+7.17
7+51.10			2.65	29.82	23.80	+6.02
8+04.4			0.74	31.73	25.20	+6.53
T.P.	11.21	42.94	0.74	31.73		
8+57.7			8.58	34.36	26.60	+7.76
9+11 = M.H. & 35th			9.19	33.75	28.00	+5.75
6-48.92						
9+59.92			7.57	35.37	29.00	+6.37
10+08.84			7.66	35.28	30.00	+5.28
+57.76			6.33	36.61	31.00	+5.61
11+06.68			4.38	38.56	32.00	+6.56
11+55.6			3.42	39.52	33.00	+6.52

Cont Page 58

10.36
6.47
3.95
0.55
+3.40

3.54
6.82 = B.M.
10.36 = π
9.81
0.55

+0.72 Flow line must be lowered

B.P.S.E. Cor 35th & Natl. = 6.82
4.14 +
10.96 = π
0.83 –
10.13 = T.P.
8.47 +
18.60 = π
7.57 –
11.03 = T.P.
9.34 +
20.37 = π
0.37 –
20.00 = T.P.
12.47 +
32.47 = π
0.74
31.73 = T.P.
11.21 +
42.94 = π

Cont. from page 57

		42.94				
12+04.5 = M.H. 293.5 E 35th		2.71	40.23	34.00	+6.23	
6-49.42						
+53.92		1.55	41.39	35.17	+6.22	
13+03.34		0.88	42.06	36.34	+5.72	
T.P. 6.79	48.85	0.88	42.06			
+52.76		5.93	42.92	37.51	+5.41	
14+02.18		4.72	44.13	38.68	+5.45	
14+51.6		2.98	45.87	39.84	+6.03	
15+01 = D.E. West of 36th		1.02	47.83	41.00	+6.83	

H.I. From Page 57 = 42.94
0.88 −
42.06 = T.P.
6.79 +
48.85 = π
11.24
37.61
37.64
+0.03

Alley Bet. Alpha + Z sts.

From a point on Canyon line bet. 36th + 37th sts.
2' West of Edendale
to a D. End. 290' East {Profile 6 Plan - 6}

4+20.9 Page 59	12.86	19.99		7.13		
= 0+00					1.75	+4.02
2-50						
+50			12.84	7.15	2.62	+4.53
1+00 = Brk.			7.33	12.68	3.50	+9.15
4-47.5						
+47.5			2.38	17.61	6.62	+10.99
+95.0	T.P. 7.06	26.12	0.93	19.06	9.75	+9.31
2+42.5			5.56	20.56	12.87	+7.69
2+90 = D.E. West of 37th st.			4.85	21.27	16.00	+5.27

8" line

CANYON LINE

From a point on Alley 2' W of Edendale to Drop M.H. in Blk. 4 Emerson Heights 135' East EL 36th St. {profile 6 / Plan 5}

3+60 Page 42		12.56				
= 0+00			12.65	-0.09	0.00	
9-46.77						
+46.77			5.36	7.20	0.19	+7.01
+93.54			5.26	7.30	0.38	+6.92
1+40.31			5.50	7.06	0.57	+6.49
+87.08			9.92	2.64	0.77	+1.87
2+33.84			6.58	5.98	0.96	+5.02
2+80.60			5.80	6.76	1.15	+5.61
3+27.37			6.78	5.78	1.35	+4.43
+74.18			6.84	5.72	1.55	+4.17
4+20.9 = M.H. Alley bet. Alpha + Z st. Δ 5°07' L			6.79	5.77	1.75	+4.02
4-44.78						
4+65.67			6.04	6.52	1.94	+4.58
5+10.45			5.69	6.87	2.13	+4.74
+55.22	T.P. 8.95	16.08	5.43	7.13	2.32	+4.81
6+00 = Brk.			8.47	7.61	2.50	+5.11
3-52.67						
6+52.67			7.63	8.45	3.00	+5.45
7+05.33			7.18	8.90	3.50	+5.40
7+58 = M.H. Alley bet. Z st. + Boston Δ 6°07' L			6.46	9.62	4.00	+5.62
6-50.79						
8+08.79			6.01	10.07	5.00	+5.07 ✓
+59.58			4.75	11.33	6.00	+5.33 ✓
9+10.38			4.26	11.82	7.00	+4.82 ✓
+61.17			3.57	12.51	8.00	+4.51 ✓
10+11.96			1.96	14.12	9.00	+5.12 ✓
10+62.76 =	T.P. M.H. Blk. 4 115.97' W ℄ Emerson St.		0.47	15.61	10.00	+5.61 ✓
2-35.76		29.71				
10+98.52			13.35	16.36	11.50	+4.86
11+34.28 = D.M.H. 135' E. EL 36th St.			4.74	24.97	13.00	+11.97 Main Line

B.M. 11.06 38th & Alpha 59
3.16
14.22
6.41
7.81
4.75
12.56

1.06
12.29
13.35

Line 135'E 36th + North of Boston Ave

29.71

24.56 NNL Boston = DE = 135'E & L 36th St.					
= 0+00	2.21	27.50	17.50	+10.00	
0+50 = ℄ DMH = 11734 28 page 59 5-33	4.74	24.97	17.00 / 13.00	+7.97	+11.97 Mainline
1+63	0.81	28.90	13.65	+15.35	
1+56	7.40	22.31	14.30	+8.01	
2+09	9.53	20.18	14.95	+5.23 v	
+62	8.22	21.49	15.60	+5.89 v	
3+15 = ℄ MH 41.45 25	4.45	25.26	16.25	+9.01 v	
3+61.25	3.48	26.03	16.81	+9.22 v	
4+07.5	3.95	25.76	17.37	+8.39 v	
+53.25	4.46	25.25	17.93	+7.32	
T.P. 12.26 41.72	0.75				
5+00 = DMH 135'E & L 36th St. 14.1 Emerson Hgts.	2.96	28.96	18.50 / 23.00	+10.46 Mainline	+5.96
+45	11.41	29.81	24.00	+5.81	
+90 = DE South Nat. 135'E & L 36th St. 37.39	7.95	33.27	25.00	+8.25	
53.91 E of 5+00 Above = DMH	14.11	23.28	Main 19.00 / Sprinkle 20.50	+4.28 Mainline	+2.78
+35	12.50	24.89	19.50	+5.39	
+70	11.20	26.19	20.00	+6.19	
1+00 41.20	6.74	34.43	30.50	+3.93	
1+53.2 = Existing Sewer	3.15	38.07	31.00	+7.07	
chk on old stub	3.20	34.02	31.00	+7.02 = +6.98	

28.96 + 8.43 = 37.39

12.74 + 1.37 = 14.11

℄ Gamma St. From a point 40' E.E.L. 40th to a D.E. 190' E of 42nd St. {See profile 14 Plan - 3}

PAGE 41

MH. 14+40 = Elev. stub = 63.50

40' E.E.L. 40th st.		95.52				
= 0+00			7.16	88.36	76.50	+11.86
6-48.33						
+48.33			8.22	87.30	76.25	+11.05
+96.66			8.47	87.05	76.00	+11.05
1+45			7.40	88.12	75.75	+12.37
1+93.32			6.61	88.91	75.50	+13.41
2+41.65			7.68	87.84	75.25	+12.59
2+90 = MH			10.27	85.25	75.00	+10.25
4-40						
3+30			11.77	83.75	74.25	+9.50
+70			12.81	82.71	73.50	+9.21
T.P.	0.88	83.59	12.81	82.71		
4+10			2.26	81.33	72.75	+8.58
4+50 = Brk.			4.66	78.93	72.00	+6.93
3-46.67						
4+96.67			8.06	75.53	71.67	+3.86
5+43.33			9.27	74.32	71.34	+2.98
5+90 = MH ℄ 41st			9.22	74.37	71.00	+3.37
7-48.57						
6+38.57			9.10	74.49	70.82	+3.67
6+87.15			8.50	75.09	70.64	+4.45
7+35.72			8.34	75.25	70.46	+4.79
7+84.30			8.48	75.11	70.28	+4.83
8+32.87			9.13	74.46	70.09	+~~3.37~~ 4.37
8+81.45			8.64	74.95	69.90	+5.05
9+30 = MH.			8.58	75.01	69.71	+5.30
7-45.71						
9+75.71			7.80	75.79	69.54	+6.25
T.P.	6.74	82.53	7.80	75.79		
10+21.42			5.31	77.22	69.37	+7.85
10+67.13			5.00	77.53	69.20	+8.33
11+12.84			5.52	77.01	69.03	+7.98

12.88 +
76.38
0.02
76.36 = T.P.
12.77 +
89.13
0.61 -
88.52 = T.P.
7.00
95.52 = π
12.81 -
82.71 = T.P.
0.88
83.59 = π
7.80 -
75.79 = T.P.
6.74 +
82.53

Cont. on Page 62

Cont from Page 61

H.I. From Page 61 = 82.53 = π
For Chk. See lower right Page 63

	82.53				
11+58.55		5.85	76.68	68.85	+7.83
12+04.28		4.27	78.26	68.67	+9.59
12+50 = DMH ℄ 42nd st. 4-47.5		1.72	80.81	68.50 } 74.00	+12.31
12+97.5		1.98	80.55	74.25	+6.30
13+45		2.27	80.26	74.50	+5.76
+92.5		2.77	79.76	74.75	+5.01
14+40 = DE 190' E ℄ 42nd		2.80	79.73	75.00	+4.73

+6.81

Blks 498-499-500-Dougherty's Sub. And 42nd st. From a point on Alley bet Eta + Epsilon sts to ℄ Gamma + 42nd

(Profile 14 Sheet 3-4)

Elev. stub at 0+00 Page 63 = 45.58
3.62 +
49.20 = π
3.62 −
45.58 = T.P.
12.41
57.99 = π

For Chk. See Page 63

Alley bet Eta + Epsilon st. Blk. 498 = 0+00 4-50	49.20	12.50	36.70	32.00	+4.70
0+50		11.37	37.83	32.50	+5.33
1+00		10.75	38.45	33.00	+5.45
+50		10.61	38.59	33.50	+5.09
2+00 = MH ℄ Epsilon st. 4-50.07		9.55	39.65	34.00	+5.65
2+50.07		9.94	39.26	34.50	+4.76
3+00.14		9.33	39.87	35.00	+4.87
+50.22		8.60	40.60	35.50	+5.10
4+00.30 = MH at Alley @ 34°07' L 4-49.42		5.82	43.38	36.00	+7.38
4+49.72		6.44	42.76	37.00	+5.76
+99.15		4.32	44.88	38.00	+6.88
5+48.57		4.38	44.82	39.00	+5.82
5+98 = MH ℄ Delta st. 4-49.3 T.P. 12.41	57.99	3.62	45.58	40.00	+5.58
6+47.3		3.62 9.42	45.58 48.57	43.62	+4.95

Continued on Page 63

Cont. from Page 62

6+96.6		57.99	4.14	53.85	47.25	+ 6.60		57.99
T.P. 11.69			0.34	57.65				0.34
7+45.9		69.34	10.71	58.63	50.87	+ 7.76		57.65
7+95.2 = MH △ 74°14' L			2.92	66.42	54.50	+ 11.92		11.69 +
6-47.65								69.34 = π
8+42.85			8.29	61.05	54.92	+ 6.13		1.07 −
+90.50			10.77	58.57	55.34	+ 3.23		68.27 = T.P.
9+38.15			11.27	58.07	55.76	+ 2.31		13.01 +
9+85.8			10.71	58.63	56.17	+ 2.46		81.28 = π
10+33.45			9.15	60.19	56.59	+ 3.60	Page 62 Elev. Stub at 12+50 =	0.46
10+81.10 = MH ℄ 42nd + Alley △ 90° R			7.49	61.85	57.00	+ 4.85		80.82
4-47.42								80.81
11+28.52			3.90	65.44	59.87	+ 5.57		0.01
T.P. 13.01		81.28	1.07	68.27				
+75.94			10.99	70.29	62.75	+ 7.54		
12+23.36			4.64	76.64	65.62	+ 11.02		
			0.46	80.82				
12+70.8 = ℄ MH ℄ 42nd + Gamma St = 12+50 Page 62					68.50 } 74.00	+ 12.32 ✓ 0.01	+ 6.82 ✓ 0.01	

℄ DELTA St. {Profile 14 / Plan 3}

From a point 3' West Cty limits W for 930'

5+98 − Page 62							H.I. From Page 62 =	82.53
= 0+00 = MH		57.55	11.97	45.58	40.00	+ 5.58		12.96 −
3-46.67								69.57 = T.P.
0+46.67			8.20	49.35	45.67	+ 3.68		0.62 +
+93.34			0.23	57.32	51.34	+ 5.98		70.19
T.P.	12.17	69.49	0.23	57.32				13.23 −
1+40 = Brk.			6.47	63.02	57.00	+ 6.02		56.96 = T.P.
4-50								0.59 +
1+90			1.85	67.64	57.69	+ 9.95		57.55 = π
2+40			0.69	68.80	58.39	+ 10.41		0.23 −
T.P.	8.41	77.21	0.69	68.80				57.32 = T.P.
+90			7.51	69.70	59.08	+ 10.62		12.17 +
3+40 = MH ℄ 42nd			6.70	70.51	59.78	+ 10.73		69.49 = π
6-50								0.69 −
3+90			6.11	71.10	60.47	+ 10.63		68.80 = T.P.
4+40			6.65	70.56	61.17	+ 9.39		8.41 +
							See Page 64 for chk.	77.21 = π

Cont. on Page 64

Cont. from Page 63

℄ DELTA St.

4+90	77.21	6.10	71.11	61.87	+9.24
5+40		5.73	71.48	62.56	+8.92
5+90		7.60	69.61	63.25	+6.36
6+40 = MH		7.31	69.90	63.96	+5.94
6-48.33 6+88.33		5.84	71.37	64.63	+6.74
7+36.66		6.37	70.84	65.30	+5.54
+84.99		7.16	70.05	65.98	+4.07
8+33.33		7.03	70.18	66.65	+3.53
+81.66		5.01	72.20	67.32	+4.88
9+30 = DE. East 41st on Delta St.		2.39	74.82	68.00	+6.82

H.I. From Page 63 = 77.21 = X
2.07 -
75.14 = T.P.
0.60 +
75.74
12.20
63.54
Elev stub at sta. 1440 Page 41 = 63.50
0.04 ✓

EPSILON St.

From a Point near City Limits - West

Profile 14 Sheet 3 of 4

Elev stub at 0+00 Page 63 = 45.58
6.58 +
52.16

75' East Sta. 2+00 Page 62 = 0+00 = DE	52.16	2.65	49.51	43.00	+6.51
+25 = Brk.		6.40	45.76	37.00	+8.76
+75 = M.H. ℄ Epsilon = 2+00 Page 62		12.51	39.65	34.00	+5.65
1+25 = Brk.		11.18	40.98	36.50	+4.48
1+85 = DE		1.74	50.42	43.50	+6.92

42nd St.
From ℄ Nordicia to ℄ EPSILON {Profile 14 Sheet 4}

℄ Nordica + 42nd		32.76				
= 0 + 00 (3 = 51.63)			12.46	20.30	15.74	+ 4.56
+ 51.63			10.37	22.39	16.16	+ 6.23
1+03.86			10.53	22.23	16.58	+ 5.65
1 + 54.80 = MH. ℄ Alley (3 - 55)			10.30	22.46	17.00	+ 5.46
2 + 09.9			9.41	23.35	18.67	+ 4.68
+ 64.9			7.80	24.96	20.34	+ 4.62
3 + 19.9 = MH. ℄ Eta st. (4 - 47.55)			4.73	28.03	22.00	+ 6.03
3 + 67.45		44.78	4.41	28.35	24.12	+ 4.23
4 + 15.0 T.P.			12.85	31.86	26.25	+ 5.61
+ 62.55			9.24	35.47	28.37	+ 7.10
5 + 10.10 = MH. ℄ Alley (4 - 47.53)			5.43	39.28	30.50	+ 8.78
5 + 57.63			1.36	43.35	32.62	10.73
6 + 05.15			0.10	44.61	34.75	+ 9.86
6 + 52.68			1.42	43.29	36.87	+ 6.42
7 + 00.20 = MH ℄ Epsilon st + 42nd st.			0.56	44.15	39.00	+ 5.15

44.15
0.56
44.71
12.85
31.86
0.90
32.76

Alley bet. Eta + EPSILON St. {Profile 14 Sheet 4}
From ℄ 42nd East 430'

℄ 42nd bet Eta + Epsilon						
= 0 + 00 = MH. (6 - 44.56)		48.73	9.45	39.28	30.50	+ 8.78
0 + 44.56			11.33	37.40	30.75	+ 6.65
+ 89.12 T.P.	5.55	53.44	2.44 (0.84)	46.29 (47.89)	31.00	+ 15.29
1 + 33.68			2.86	50.58	31.25	+ 19.33
1 + 78.24			7.90	45.54	31.50	+ 14.04
2 + 22.80	7.65	49.47	11.62 / 9.75	41.82 / 39.72	31.75	+ 7.97
2 + 67.40 = MH. (1 - 52.6)			12.79	36.68	32.00	+ 4.68 ✓ 0.02
3 + 20 = Brk.			8.23	41.24	37.00	+ 4.24

Elev stub at sta 0+00 Page 62 = 36.70
12.03 +
48.73 = T
0.84 -
47.89 = T.P.
5.55 +
53.44 = T
11.62 -
41.82 = T.P.
7.65 +
49.47

Cont. on Page 66

Cont. From PAGE 65
Alley bet. Eta + Epsilon
From ℄ 42nd East 430'

3+50	49.47	1.38	48.09	43.00	+5.09	
T.P. 11.09	59.18	1.38	48.09			
3+80 = Brk.		4.83	54.35	49.00	+5.35	
4+10		2.67	56.51	49.25	+7.26	
4+40 = DE		2.49	56.69	49.50	+7.19	

49.47 = π
1.38 −
48.09 = T.P.
11.09 +
59.18 = π
8.79
50.39
+ on Sta. 1+85 Page 64 = 50.42
+0.03

EPSILON St.

From ℄ 42nd St. 140' East. + West 1250' {Profile 15 Sheet 4}

℄ 42nd + Epsilon	5.61	56.03		50.42 D.E. P.64.	43.50	+ 6.92
= 0+00 = MH. Sta. 7+00² Page 65			11.88	44.15	39.00	+5.15
+30			12.80	43.23	39.50	+3.73
+60 = Brk.			10.31	45.72	40.00	+5.72
1+00			7.03	49.00	43.00	+6.00
1+40 = D.E. East of 42nd			3.89	52.14	46.00	+6.14

EPSILON St West of 42nd

0+00 = MH. Sta. 7+00² Page 65	56.03	56.03	11.88	44.15	39.00	+5.15
2-40						
+40			7.67	48.36	42.50	+5.86
+80 = Brk.			2.66	53.37	46.00	+7.37
5-50 T.P. 8.31		63.91	0.13	55.90		
1+30			5.17	58.74	46.23	+12.51
1+80			3.25	60.66	46.47	+14.19
2+30			2.59	61.32	46.70	+14.62
2+80			2.76	61.15	46.94	+14.21
3+30 = M.H.			4.29	59.62	47.17	+12.45
.7 = 47.14						
3+77.14			6.78	57.13	47.39	+9.74
4+24.28			8.15	55.76	47.61	+8.15
+71.42			10.13	53.78	47.84	+5.94
5+18.57			12.53	51.38	48.06	+3.32

Cont. on PAGE 67

Cont. From Page 66

EPSILON St.

TP	8.30	63.91 59.13	13.08	50.83		
5+65.7			11.07	48.06	48.28	-0.22
6+12.85			8.84	50.29	48.51	+1.78
6+60 = MH. ℄ 41st St. 6-50			3.55	55.58	48.73	+6.85
7+10			3.66	55.47	48.96	+6.51
+60			2.98	56.15	49.20	+6.95
8+10			4.00	55.13	49.43	+5.70
+60			4.13	55.06	49.67	+5.33
9+10			4.48	54.65	49.91	+4.74
9+60 = MH. 6-48.33			2.75	56.38	50.14	+6.24
10+08.33			2.26	56.87	50.37	+6.50
+56.66			2.51	56.62	50.60	+6.02
11+04.99 T.P.	0.70	57.57	2.26	56.87	50.82	+6.05
11+53.32			0.37	57.20	51.05	+6.15
12+01.65			1.52	56.05	51.27	+4.78
12+50 = DE 40' E EL 40th			2.46	55.11	51.50	+3.61
			[illegible]	50.27	[illegible] BM. Balboa	Sched

Marine View Ave E & W from M.H. ℄ 40th St

00 = MH ℄ 40th St					36.50	
+43.5 W						
+87.0						
1+30.5						
1+74.0 ℄ N & S Allen 31K15 (44.4)					39.00	
2+18.4						
2+62.8						
3+07.2						
3+51.5 D.E.					40.00	

Marine View E. of 40th

00 M.H. & 40th	36.50
+ 47.5	
+ 95.6	
1+43.5 M.H. & Alley Blk 16	45.00
38.83	
1+82 33	
2+21. 17	
2+60 Brk	55.00
43.4	
3+03. 4	
3+46 8	
3+90 7	
4+33 5 MH & Alley Blk	
40 17 N.H.	62.75
4+73 5 Brk	65.00
50	
5+23 5	
5+73 5	
6+23 5	
6+73 5 DE	66.00

Alley Blk 16 N.H

M.H. & Marine	
00 View Ave.	45.00
+40	45.20
+80	45.40
1+20	45.60
1+40	45.80
2+00	46.00
2+40	46.20

℄ ETTA from ℄ 42nd W. 190'

	10.87	38.90		28.03 (Page 65)		
00=MH ℄ 42nd St				28.03	22.00	+ 6.03
+47.5			11.85	27.05	23.88	+ 3.17
+95.			6.78	32.12	25.75	+ 6.37
1+42.5			1.88	37.02	27.63	+ 9.39
1+90 D.E.			4.00	34.90	29.50	+ 5.40

Alley Blk 7 N. H

00=M H ℄ 42nd St	12.44	34.90		Page 65 22.46	17.00	+ 5.46
+40			12.26	22.64	17.67	+ 4.97 ✓
+80			11.43	23.47	18.33	+ 5.14 ✓
1+20 Brk			9.87	25.03	19.00	+ 6.03 ✓
1+60			7.63	27.27	21.75	+ 5.52 ✓
2+00			4.87	30.03	24.50	+ 5.53 ✓
2+40	T.P. 11.56	44.65	1.81	33.09	27.25	+ 5.84 ✓
2+80 MH 44.2			9.50	35.15	30.00	+ 5.15 ✓
3+24 2			6.31	38.34	31.42	+ 6.92 ✓
3+68 4			4.86	39.79	32.84	+ 7.95 ✓
4+12 6			3.95	40.70	34.26	+ 6.44 ✓
4+56 7 40 △ 17°-48' L			3.81	40.84	35.68	+ 5.16 ✓
4+96 7			3.32	41.33	37.00	+ 4.33 ✓

℄ Nordica ℄ 42nd E. to ℄ Alley Blk 11

00=M.H ℄ 42nd St	9.87	30.17		20 20.30 Page 65	15.74	+ 4.56
+42.5			7.23	22.94	15.93	+ 7.01
+85.			7.42	22.75	16.12	+ 6.63
1+27 E			6.80	23.37	16.31	+ 7.06
M.H Alley Blk 11 1+70			4.72	25.45	16.50	+ 8.75

Con Page 69

1+70 M.H. & Nordica 50	30.17	4.72	25.45	16.50	+8.95
2+20		6.54	23.63	16.75	+6.88
2+70		9.84	20.33	17.00	+3.33
3+20		10.12	20.05	17.25	+2.80
3+70 Brk 35		7.97	22.20	17.50	+4.70
4+05		6.00	24.17	18.00	+6.17
4+40 M.H. & E+W Alley 40		6.53	23.64	18.50	+5.14
4+80		6.05	24.12	19.67	+4.45
5+20		5.63	24.54	20.84	+3.70
5+60 DE		2.91	27.26	22.00	+5.26

E+W Alley Brk 11 N.H. #2

00 M.H. 4+40 above CTP 6.13	30.36	6.57	23.69	18.50	+5.14
+49.8		6.12	24.24	18.71	+5.53
+99.6		6.24	24.12	18.92	+5.20
1+49.4 ✓		6.06	24.30	19.13	+5.17
1+99.2 ✓		5.70	24.66	19.35	+5.31
2+49		5.32	25.04	19.56	+5.48
2+98.5		5.08	25.28	19.78	+5.50
3+48 # MH & N-S Alley.		4.81	25.55	20.00	+5.55
3+98 5				19.84	
4+48 # M.H. Alley E+W S				20.00	

100 Shorter than plan

N & S. Alley E. End Blk 11 N.H 2

30.36 Pc

00=D.E. 110's of N.H. & E+W Alley			3.53	26.89	21.00	+5.89
+55			4.30	26.04	20.80	+5.56
1+10=M.H. & E+W Alley 30			4.81	25.55	20.00	+5.55
1+40			4.54	25.82	20.37	+5.45
2+10			5.28	25.08	20.75	+4.33
2+60			4.05	26.31	21.12	+5.19
3+10 DE in Nordica St			00	30.36	21.50	+8.86

42nd from M.H. & Nordica S. Thence Thru Blk 10, N.H. 2

00=M.H. & 42nd						
+Nordica	6.81	27.11		20.30 page 65	15.74	+4.56
+40			4.50	22.61	15.94	+6.67
+80			4.61	22.50	16.14	+6.36
1+20			4.51	22.60	16.34	+6.26
1+40 MH 45.25			4.30	22.81	16.54	+6.27
2+05 25			4.65	22.46	16.78	+5.68
2+50 5			5.17	22.00	17.02	+4.98
2+95 75			5.09	22.02	17.26	+4.76
3+41 M.H. & Collonwood 34.45			5.39	21.72	17.50	+4.22
3+75 55			4.36	22.75	18.25	+4.50
4+10 Brk T.P. 35	8.73	34.39	1.45	25.66	19.00	+6.66
4+45			4.93	29.46	23.00	+2.46
4+80 MH			2.13	32.26	27.00	+5.26

	Cont. 71	℄ Collonwood W To DE E. of 41st 34.39				
4+80 = M.H. (47.8)			2.23	32.26	27.00	+ 5.26
5+27			0.35	34.04	27.25	+ 6.79
5+75			0.68	33.71	27.50	+ 6.21
6+23			1.05	33.34	27.75	+ 5.59
6+71			1.01	33.38	28.00	+ 5.38
7+19			0.33	34.06	28.25	+ 5.81
7+66 DE E of 41st.			0.43	33.96	28.50	+ 5.46
		S. on Collonwood 34.39				
00 = M.H						
2+41½ Page 71			12.67	21.72	17.50	+ 4.22
+45			12.23	22.16	17.82	+ 4.34
+90			12.10	22.29	18.15	+ 4.14
1+35			11.27	23.12	18.47 33	+ 4.65
1+80 = BrK (36.42)			8.61	25.78	18.80	+ 6.98
2+16			4.94	29.45	22.40	+ 7.05
	T.P. 12.87	46.65	0.61	33.78		
2+52 M.H (47.14)			11.65	35.00	26.00	+ 9.00
	T.P. 8.94	50.17	5.42	41.23		
3+20. DE N. of Division			2.87	47.30	36.00	+ 11.30

8" Line ℄ Cottonwood 39th St East

Continued from Page 27

13.22

12+37.5	MH ℄ Cottonwood			5.00	8.22	4.44	+3.78
40.7							
12+78.5				4.75	8.47	4.54	+3.93
13+19.2				4.46	8.76	4.65	+4.11
13+59.2				4.13	9.09	4.75	+4.34
14+00.7	MH ℄ Osborn			4.20	9.02	4.85	+4.17
40.7							
14+41.4				3.83	9.39	4.95	+4.44
14+82.1				3.54	9.68	5.05	+4.63
15+22.2	T.P. 5.86		16.00	3.08	10.14	5.15	+4.99
15+63.4	MH ℄ Alley			4.95	11.05	5.25	+5.80
41.2							
16+04.8				4.86	11.14	5.56	+5.58
16+46.6				4.76	11.24	5.87	+5.37
16+87.2				4.40	11.60	6.18	+5.42
17+28.4				4.06	11.94	6.49	+5.45
17+69.6				3.71	12.29	6.80	+5.49
18+10.8				3.22	12.78	7.11	+5.67
18+52.6				5.36	10.64	7.42	+3.22
	T.P. on Sta. 18+52 7.76		18.40.	5.36	10.64		
18+93.2	MH ℄ Alley △ 35°08'			5.77	12.63	7.72	+4.91
					1.0 CY		
19+39.26				5.65	12.75	8.06	+4.69
19+85.33				4.85	13.55	8.40	+5.15
20+31.40	X ℄ Cottonwood 36° 00'			4.71	13.69	8.74	+4.95
20+77.5	MH ℄ 40th △ 57° 14'L			3.79	14.61	9.09	+5.52
.45							
21+22.5				4.03	14.37	9.29	+5.08
21+67.5				3.76	14.64	9.49	+5.15
	T.P. 5.81		20.45	3.76	14.64		
22+12.5				5.74	14.74	9.69	+5.05
22+57.5				5.47	14.98	9.89	+5.09
23+02.5				5.22	15.23	10.09	+5.14

Page 27

20.45

23+47.6 MH. ℄ 40th + Nordica			4.08	16.37	10.29	+6.08
T.P. Nails in Pole " 573 "		21.68	4.50	15.95		
6-46.67 23+94.97			5.70	15.98	10.49	+5.49
24+40.94			5.61	16.07	10.69	+5.38
+87.61			5.53	16.15	11.91	+4.24
25+34.28			5.40	16.28	11.11	+5.17
+80.95			5.11	16.57	11.32	+5.25
26+27.6 = MH.			5.08	16.60	11.53	+5.07
6-48.03 +75.63			4.99	16.69	11.74	+4.95
27+23.66			4.10	17.58	11.95	+5.63
+71.49			4.23	17.45	12.16	+5.29
28+19.72			4.13	17.55	12.38	+5.17
+67.75			3.80	17.88	12.60	+5.28
29+15.8 = MH ℄ 41st + Nordica			3.48	18.20	12.81	+5.39
7-47.14 T.P. 7.37		25.40	3.65	18.03		
29+62.94			6.92	18.48	13.03	+5.45
30+10.08			6.43	18.97	13.25	+5.72
30+57.22			6.33	19.07	13.48	+5.59
31+04.36			6.03	19.37	13.70	+5.67
+51.5			5.56	19.84	13.92	+5.92
31+98.64			5.03	20.37	14.15	+6.22
32+45.8 = ℄ M.H.			4.83	20.57	14.37	+6.20
7-47.26 32+93.06			5.06	20.34	14.57	+5.77
33+40.32			4.50	20.90	14.77	+6.13
33+87.58			3.91	21.49	14.97	+6.52
34+34.84			3.75	21.65	15.16	+6.49
34+[illegible]			3.67	21.73	15.35	+6.38
35+29.36			2.74	22.66	15.55	+7.11
35+76.6 ℄ M.H. 42nd + Nordica			9.65	15.75	15.75	= ✓ on Flow Line

Alley Bet. Earle + 40th
From ℄ Cottonwood to Birch St. Sheet 4 Profile 13

18+93.2 Page 73 = 0+00 = ℄ Cottonwood + Alley M.H.	11.15	23.78		12.63 see Sta. 18+93.2 Page 73	7.72	
6-40						
+40			13.40	10.38	8.02	+2.36
+80			9.79	13.99	8.32	+5.67
1+20			10.37	13.41	8.62	+4.79
+60			10.33	13.45	8.92	+4.53
2+00			10.05	13.73	9.21	+4.52
2+40 = MH.			9.51	14.27	9.50	+4.77
+80			8.22	15.56	11.00	+4.56
3+20			6.07	17.71	12.50	+5.21
+60 = Brk.			3.32	20.46	14.00	+6.46
T.P.	3.41	26.16	1.03	22.75		
4+00 = D.E. Approx. 40'S. S.L. Birch			1.04	25.12	18.00	+7.12

26.16
10.21
15.95
15.95 = B.M. Nail 17 Pole
0.00
Nordica + 40th

Alley Bet. Osborne + Earle St.
From ℄ Cottonwood to Birch St.

15+63.6 Page 73 = 0+00 = MH. ℄ Cottonwood + Alley		16.13	5.08	11.05	5.25	+5.80
+40			5.59	10.54	5.71	+4.83
+80			5.21	10.92	6.17	+4.75
1+20			4.96	11.17	6.63	+4.54
+60			4.88	11.25	7.09	+4.16
2+00			4.15	11.98	7.55	+4.43
+40 = MH.			2.55	13.58	8.00	+5.58
T.P.	12.81	28.75	0.19	15.94		
+80			11.30	17.45	13.00	+4.45
3+20			5.68	23.07	18.00	+5.07
T.P.	3.22	31.41	0.56	28.19		
3+60			2.54	28.87	23.00	+5.87
T.P.	3.41	33.62	1.20	30.21		
4+00			1.66	31.96	28.00	+3.96

Page 73
M.H. Stub. at Sta. 18+93.2 = 12.63
3.50 +
16.13 = TP
5.08
11.05
16.13
0.19 −
15.94 = TP
12.81 +
28.75
0.56 −
28.19 = TP
3.22 +
31.41
1.20 −
30.21 = TP
3.41 +
33.62
11.73 −
21.89 = TP
0.40
22.29
11.24 −
Page 73
Sta. 15+63.6
Chk. on MH Stub = 11.05

Birch St. From ℄ Alley West of Osborne St
East 390'
{Profile 13 sheet - 3}

38.33

M.H. ℄ Alley West of Osborne = 0+00		7.30	31.03	25.00	+6.03
3-46.67 0+46.67		7.74	30.59	25.33	+5.26
+93.34		7.82	30.51	25.67	+4.84
1+40 = Brk.		7.30	31.03	26.00	+5.03
+90		4.33	34.00	27.70	+6.30
2+40		2.18	36.15	29.40	+6.75
+90		0.97	37.36	31.10	+6.26
T.P. 4.34	41.70	0.97	37.36		
3+40		3.43	38.27	32.80	+5.47
3+90 = D.E.		1.77	39.93	34.50	+5.43

38.33
0.97 −
37.36 = T.P.
4.34 +
41.70 = ⊼
9.73 −
31.97
Chk Elev DE 4+00 Bottom of Page 73 = 31.96
0.01

Alley West of Osborne St. {Profile 13 sheet 3}
From ℄ Cottonwood to ℄ Birch St.

M.H. ℄ Cottonwood = Sta. 1237 Page 73 = 0+00	13.92	5.74	8.18	4.44	+3.74 (0.04) Probably disturbed
4-50 +50		5.29	8.63	4.95	+3.68
1+00		4.75	9.17	5.47	+3.70
+50		4.27	9.65	5.98	+3.67
2+00 = Brk.		2.97	10.95	6.50	+4.45
2-31 +31		1.68	12.24	7.92	+4.32
T.P. 12.73	25.88	0.77	13.15		
2+62 = M.H. ℄ Alley's		11.40	14.48	9.35	+5.13
3-46 3+08		9.26	16.62	11.57	+5.05
3+54		7.71	18.17	13.78	+4.39
4+00 = Brk.		4.41	21.47	16.00	+5.47
2-40 4+40		0.41	25.47	20.50	+4.97
T.P. 12.86	38.33	0.41	25.47		
4+80 = M.H. ℄ Birch = 0+00 at top of Page		7.30	31.03	25.00	+6.03

3.78 Page 73

Elev. Stub. Sta. 1563 Page 73 = 11.05
2.87 +
13.92 = ⊼
0.77 −
13.15 = T.P.
12.73 +
25.88 = ⊼
0.41
25.47 = T.P.
12.86
38.33

This HI transfered to top of page

Alley Bet. Birch + Cottonwood Sts {Profile 13 sheet 3}
From Alley West of Osborne St. NWLY 100'

M.H. ℄ Alleys oppsite this Column = 0+00	25.88	11.40	14.48	9.35	+5.13
+30		11.67	14.21	9.67	+4.54
+60 = Brk.		10.01	15.87	10.00	+5.87
1+00 = DE		1.83	24.05	17.00	+7.05

Cottonwood St. From ℄ 40th St.
Easterly 550' {Profile 12 / Sheet 3}

Sta. 20+77.5 Page 73 = 0+00	20.09	5.49	14.60	9.09	+ 5.51 chk. 0.01
6-45					
+45		5.46	14.63	9.30	+ 5.33
+90		5.16	14.93	9.51	+ 5.42
1+35		5.01	15.08	9.73	+ 5.35
+80		4.59	15.50	9.95	+ 5.55
2+25		4.26	15.83	10.17	+ 5.66
+70 = MH.		4.19	15.90	10.38	+ 5.52
3-43.33					
3+13.33		4.34	15.75	10.59	+ 5.16
3+56.66		4.33	15.76	10.80	+ 4.96
4+00 = Brk		3.92	16.17	11.00	+ 5.17
+50		2.78	17.31	12.77	+ 4.54
5+00		0.77	19.32	14.54	+ 4.78
T.P. 5.60	24.92	0.77	19.32		
+50 = D.E. West of 41st St.		3.60	21.32	16.30	+ 5.02

41st St. From ℄ Nordica to ℄ ETA St.

29+15.8 Page 74 = 0+00	30.89			12.81	
+40		11.79	19.10	12.98	+ 6.12
+80		11.60	19.29	13.15	+ 6.14
1+20		13.83	17.06	13.32	+ 3.74
1+60 = Brk.		12.03	18.86	13.50	+ 5.36
2+00		10.36	20.53	14.87	+ 5.66
+40		6.99	23.90	16.25	+ 7.65
T.P. 7.93	38.52	0.30	30.59		
+80		7.18	31.34	17.62	+ 13.72
3+20 = DMH ℄ 41st + Eta		1.34	37.18	19.00 } 27.00	+ 18.18

B.M. Nail in Pole 40th + Nordica Elev = 15.95
4.14
20.09 = π
0.77
19.32 = T.P.
5.60
24.92 = π
6.72
18.20
Sta. 29+15.8 Elev Stub. Page 74 = 18.20
0.00

Sta. 29+15.8 MH ℄ 41st Nordica. Elev Stub = 18.20
12.69 +
30.89 = π
0.30 −
30.59 = T.P.
7.93 +
38.52 = π

+ 10.18

ETA - St.

From ℄ 41st East 390' + West 390'

			Rod. Ground		I. G.	Cut
3+20 Page 77 = ℄ 41st + Eta =		38.52 = HI. from Page 77				
= 0+00 = DMH S-48.75			6.76	31.76	19.00	
+ 48.75			10.86	27.66	19.25	+ 12.51
+ 97.5 TP	5.78	31.39	12.71	25.81	19.50	+ 8.16
1+46.25			6.36	25.23	19.75	+ 5.48
+ 95.00			6.67	24.92	20.00	+ 4.92
2+43.75			7.92	23.67	20.25	+ 3.42
2+92.50			8.59	23.00	20.50	+ 2.50
3+41.25			7.97	23.62	20.75	+ 2.87
3+90 = D.E. East ℄ 41st st.			5.34	26.25	21.00	+ 5.25

Eta. St. from ℄ 41st 390' West.

℄ 41st + Eta = 0+00 = DMH S-50		24.41			19.00 / 22.00	
+ 50			4.37	40.04	28.25	+ 11.79
1+00			9.94	34.47	29.50	+ 4.97
1+50			12.61	31.80	30.75	+ 1.05
2+00 = Brk. 4-47.5			4.11	40.30	32.00	+ 8.30
+ 47.5			0.35	44.06	34.00	+ 10.06
+ 95.00 TP	5.13	39.19	0.35	44.06		
			4.76	41.43	36.00	+ 8.43
3+42.5			3.42	45.77	38.00	+ 7.77
3+90 = D.E. W ℄ 41st st.			1.75	47.44	40.00	+ 7.44

3.65 2 = T
1.71
25.81 = TP
5.78 +
31.59 = T
13.39

Sta. 0+00 Stg. b. M.E. 41st Nicollet = 18.20

Sta. 3+20 Page 77
Elev. Stub DMH ℄ 41st Eta. = 37.16
7.23
44.41 = T
0.35
44.06 = TP
5.13
49.19 = T
1.20
Bk. 00 above Stub 37.18

℄ Osborn St

℄ Cottonwood South to Alley S. of Marin View

13.04

00 MH ℄ Cottonwood ℄ Osborn	13.04	22.06		9.02	4.85	+4.17
+39			12.43	9.63	5.04	+4.59
+78			12.40	9.66	5.23	+4.43
1+17			12.40	9.66	5.41	+4.25
1+37 MH ℄ Alley (40)			13.08	8.98	5.60	+3.38
1+97			12.12	9.94	5.80	+4.14
2+37			10.12	11.94	6.00	+5.94
					6.20	7.78
2+79 DMH 45.6			8.08	13.98	10.00	+3.98
3+27.6	T.P.	12.67	34.47	1.73 / 0.06	20.33 / 22.00	11.60 +8.73
3+68				8.72	25.95	13.20 +12.75
4+13.8				5.62	29.65	14.80 +14.25
4+59.4				4.41	30.26	16.40 +13.86
5+05 MH S of Marin View Ave 40				5.00	29.67	18.00 +11.67
5+45 BrK 56.8				4.27	30.40	19.00 / 3.5 +11.40
6+01.8				3.62	31.05	22.50 +8.55
6+58.6 MH ℄ N+S Alley 51.7				2.77	31.90	26.00 +5.90
7+10.3				2.00	32.67	27.50 +5.17
7+62	T.P.	10.15	44.68	0.14	34.53	29.00 +5.53
8+13.2				7.73	36.95	30.50 +6.45
8+65.4				6.13	38.55	32.00 +6.55
9+17.1				5.34	39.34	33.50 +5.84
9+68.8				4.63	40.05	35.00 +5.05
10+20.4 MH ΔL 37.6				3.48	41.20	36.50 +4.70
10+58.0 MH. 57.5				4.00	40.68	37.00 +3.68
11+15.5				1.30	43.38	38.00 +5.38
11+73 D.E				0.97	43.71	39.00 +4.71

Page 73

34.47 Page 79.

00=6+58 M.H Page 79	2.77	31.90	26.00
+45	3.75	30.92	26.25
+90=DE	5.07	29.60	24.50

Alley But Cottonwood Marine View

Osborn East

00=1+57 =M.H. Page 79	5.60
+50	5.90
1+00	6.20
+50	6.50
2+00	6.80
+50	7.10
3+00	7.40
+50	7.70
4+00=M.H. 52 55	8.00
4+52 55	15.25
5+05 1 MH 57 45 A L	22.50
5+62 55	31.75
6+20 00 B.K 30	41.00
6+50 D.E	41.50

+5.90

+4.67

+3.10

IMPROVED TABLES AND INFORMATION

540

529

8.66 9.26

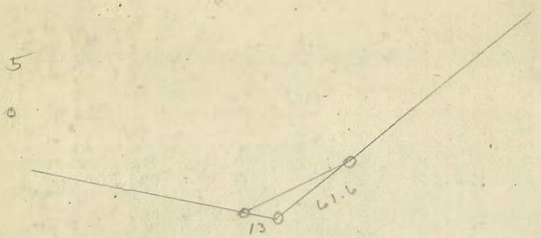
8.64

6

9.00

61.5

13.0



750
690
60

26.66
26.66
53.33
80.00
4
32.

1.499
5.55
20.54

4)174
43.5

444
4
177.6

9.27
.54
9.81

53
144
197
6
203

641
340
981

4)174.5
44.4
170.5
214.9
259.3
304.7
348.1

3)143.5
47.8
47.8
95.6
47.9
143.5

174
444
2184
2648
3072
44.7
351.5

174
177.4
351.4

6)290
48.33

1208
132
1340

3.46

9.57
.06
951

1820