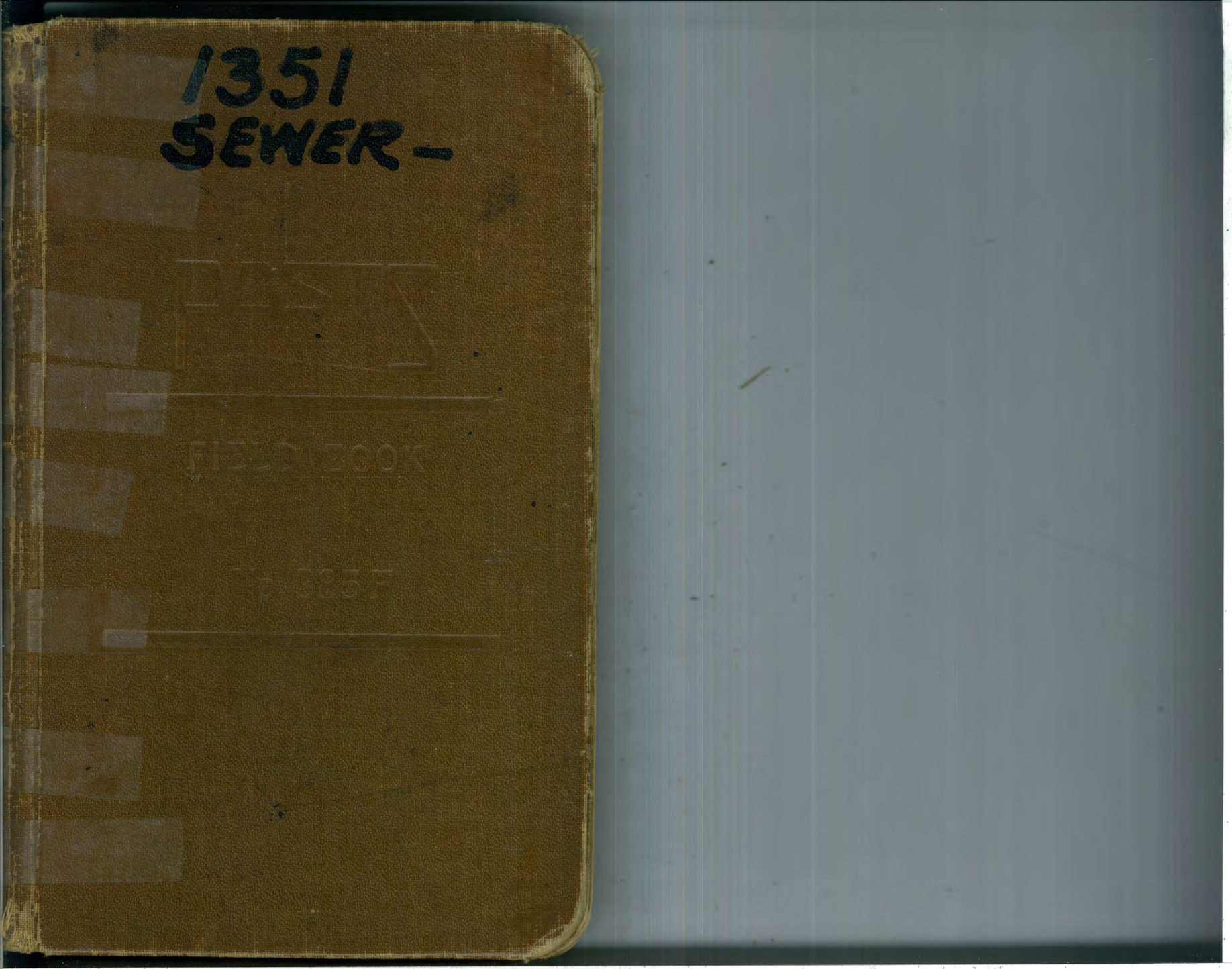
1351
SEWER -

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No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

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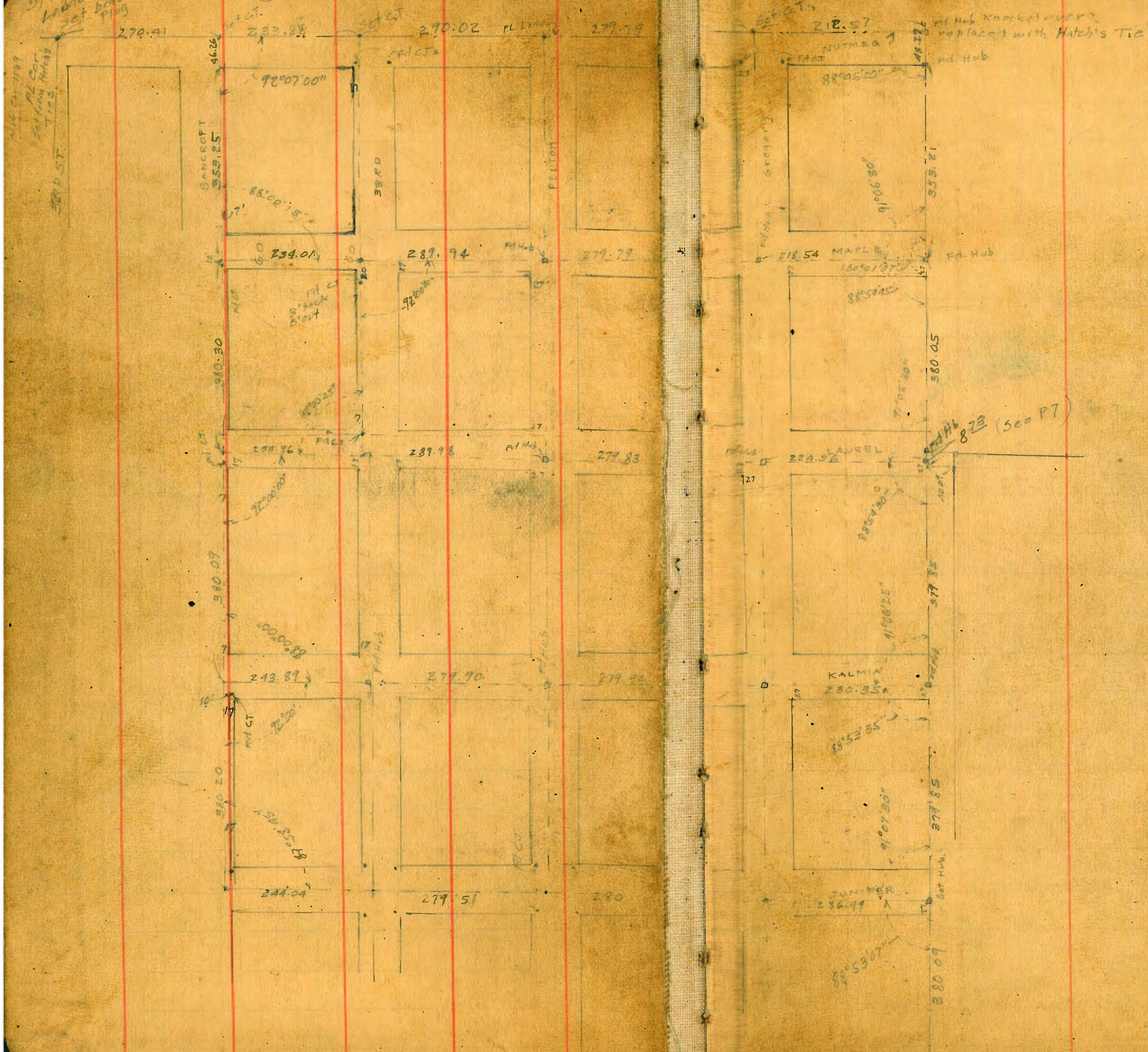
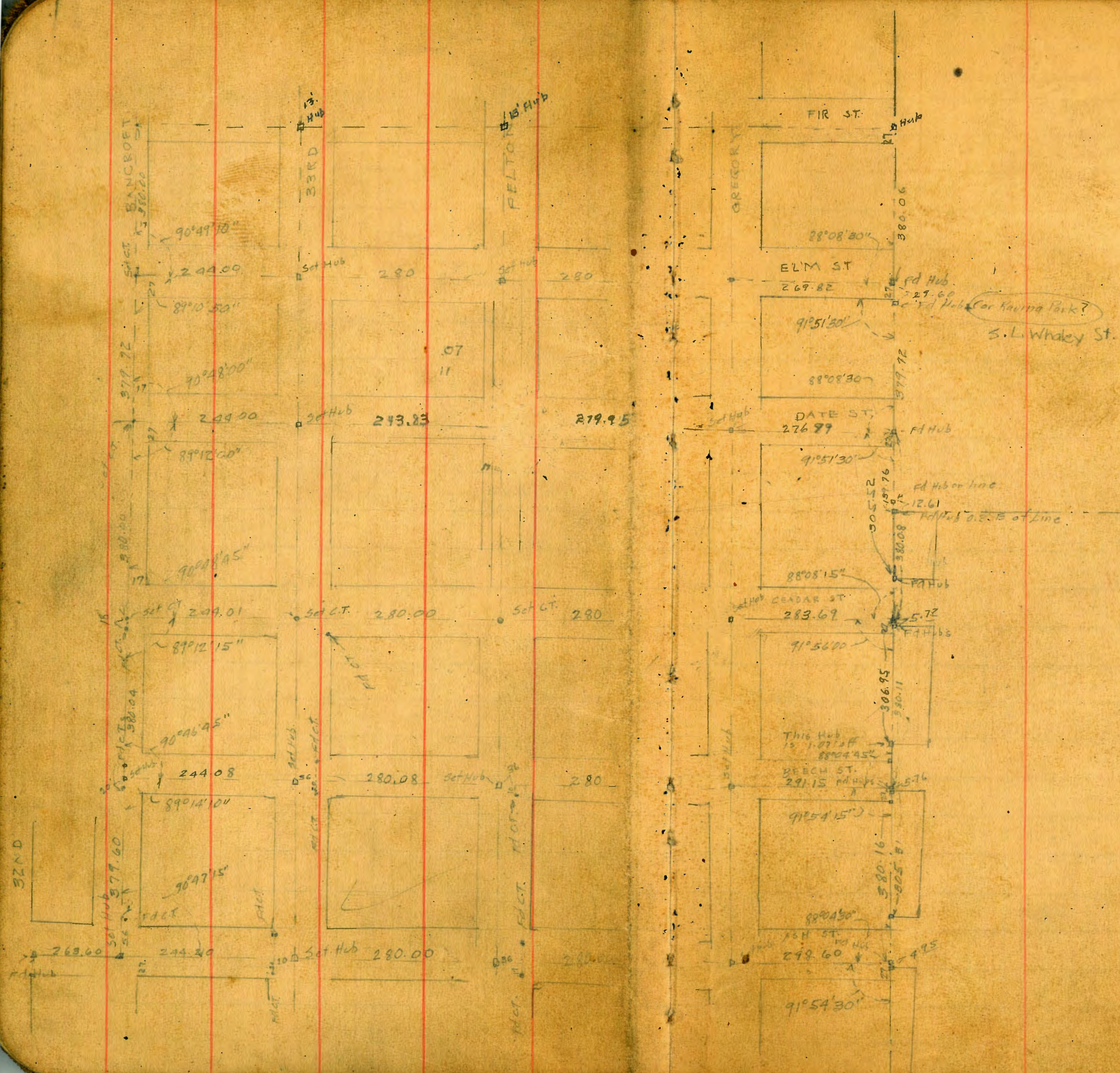
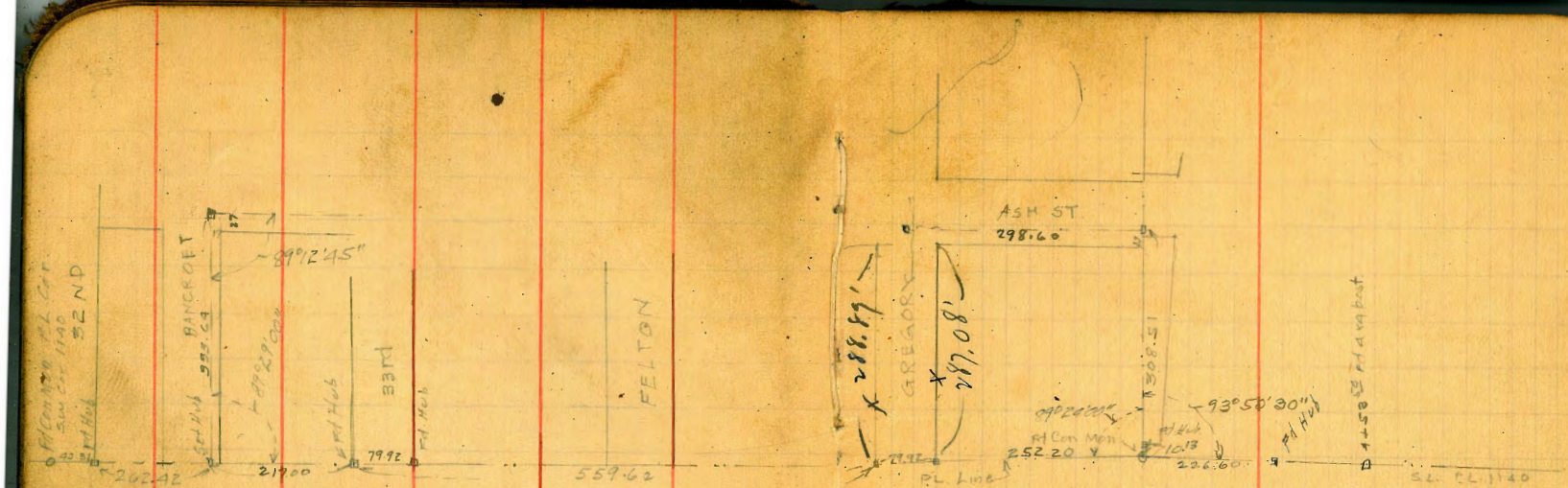
X Sec. Pepper Dr, Tuberose to Azalea Park 53

Survey for Sewers in Eastern Add




BANCROFT
380.24
92°01'30"
87°58'00"
244.10
279.68
280
FELTON
380.29
92°01'15"
87°58'45"
243.71
280.00
280.04
92°01'15"
87°59'00"
380.40
243.91
280
280.00
177°10'00"
Angle pt
FH Ct
FL Line
JONIPER
88°53'27"
91°07'15"
380.09
GREGORY
INT
242.48
88°52'00"
91°08'15"
380.16
HAWTHORN
248.55
88°51'35"
380.38
177°58'
88°08'50"
177°01'10"
St PL 1139
GRAPE
255.74
228.60
380.43
FIR
380.06
351.67
2


BANCROFT
33RD
FELTON
GREGORY
32ND
FIR ST.
ELM ST
DATE ST.
CEADAR ST
BEECH ST.
ASH ST.
Set Hub
Fd Hub
Set C.T.
Fd C.T.
Cor Kauring Park?
S. L. Whaley St.
Fd Hub on line
Fd Hub 0.8' E of Line
This Hub is 1.07' off
244.00
280
244.00
293.83
279.95
244.01
280.00
280
244.08
280.08
280
269.60
244.30
280.00
269.82
276.99
283.69
291.15
298.60
379.72
380.00
380.04
379.60
380.06
379.72
306.52
380.08
306.95
380.16
90°49'10"
89°10'50"
90°48'00"
89°12'00"
90°48'45"
89°12'15"
90°46'45"
89°14'00"
90°47'15"
88°08'30"
91°51'30"
88°08'30"
91°51'30"
88°05'15"
91°56'00"
88°04'45"
91°54'15"
88°04'30"
91°54'30"



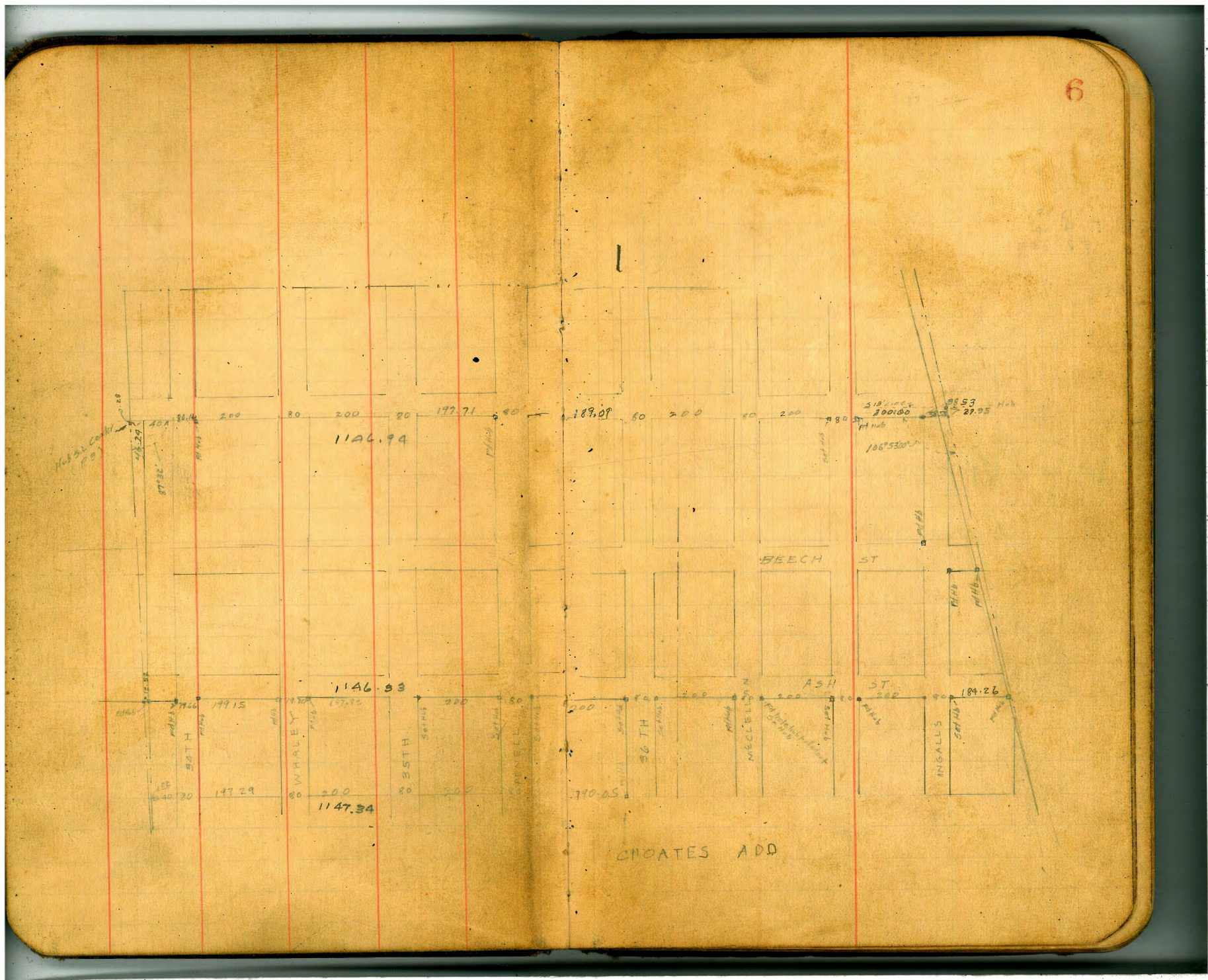
217.00
559.62
79.92
252.20
1108.74

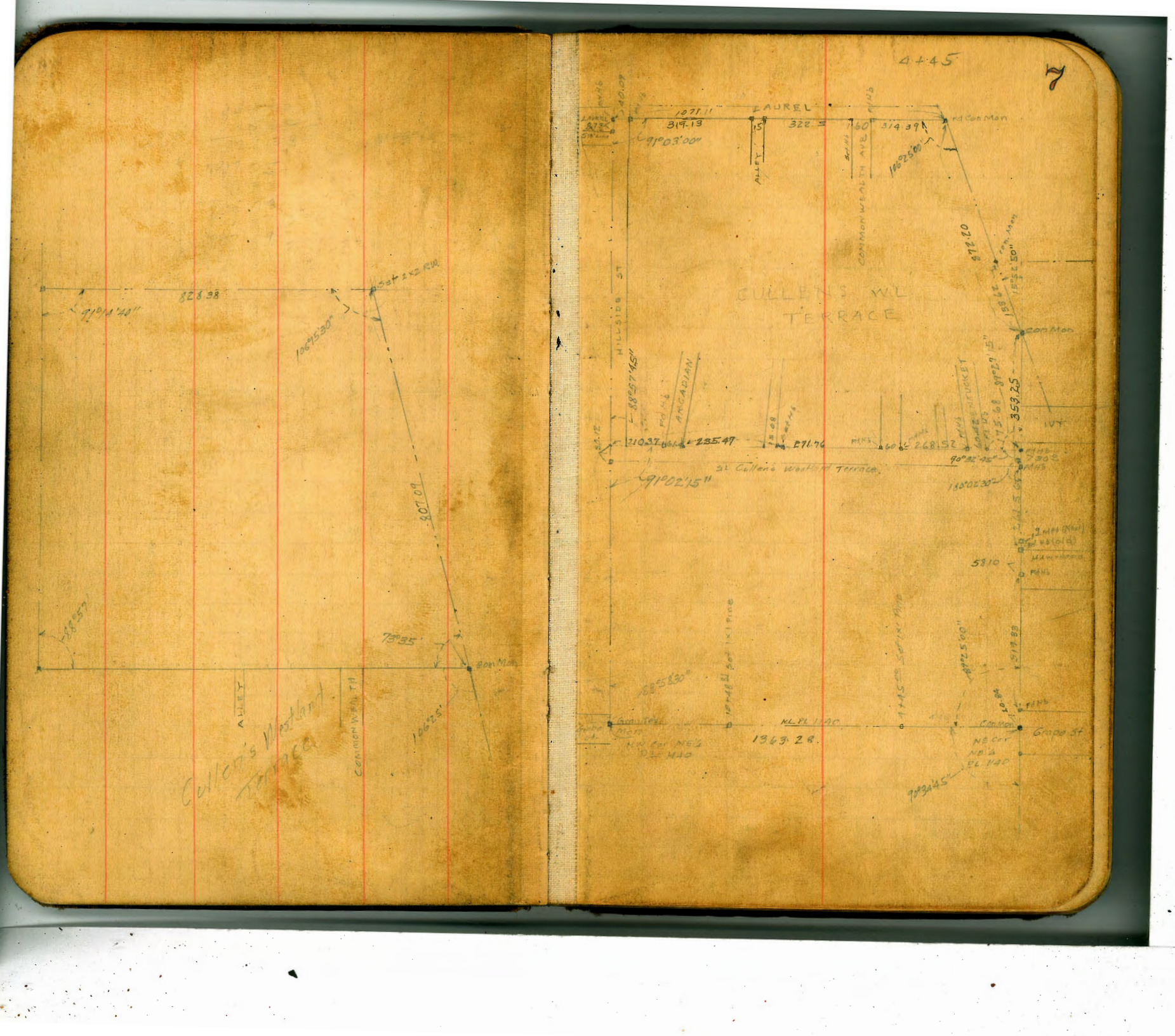
333.6
308.51
25.13

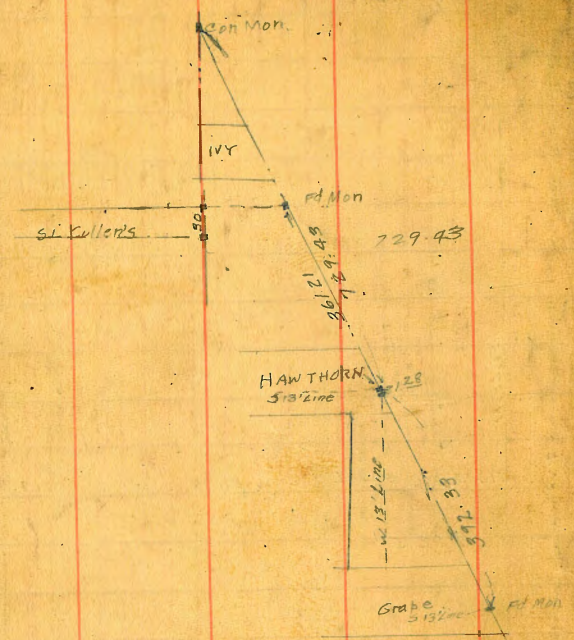
25.13 : 1108.74 = X : 25.60 X = 5.57

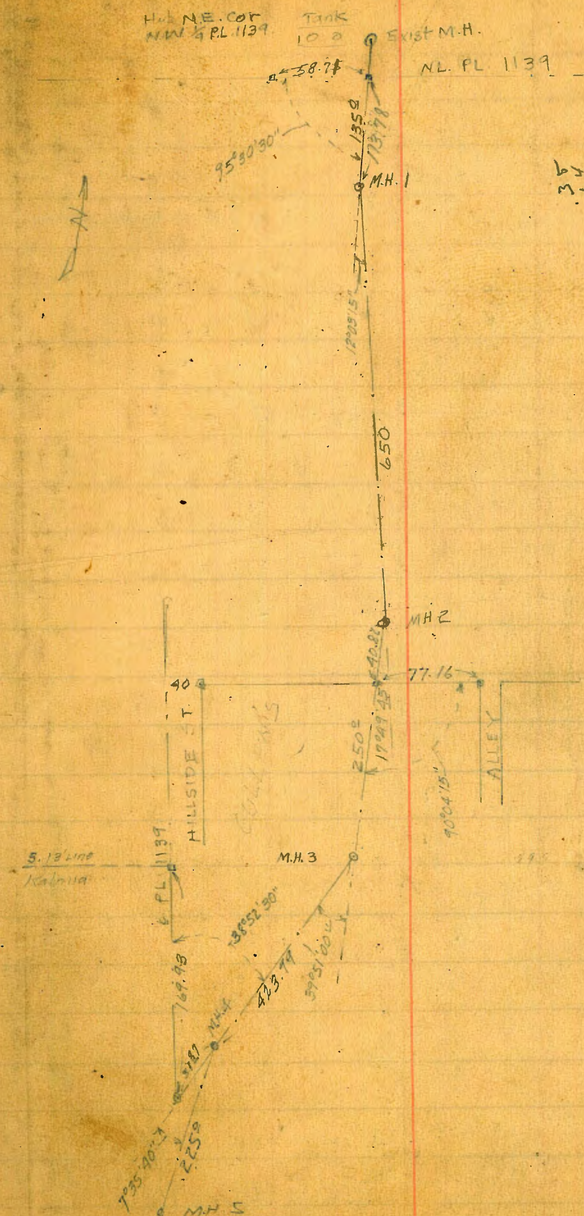
25.13 : 1108.74 = Y : 525.60 Y = 7.38

1+80.04
180.04
93°50'30"
See Page 21
M.H. 60
old Location
M.H. 60
New Location
Level notes
show 19.58'
403.36
See Page 71 for New
Location + Ties
M.H.
Stub 6+06.24
Existing M.H.
175° 50' 15"
1042.56
75°54'00"

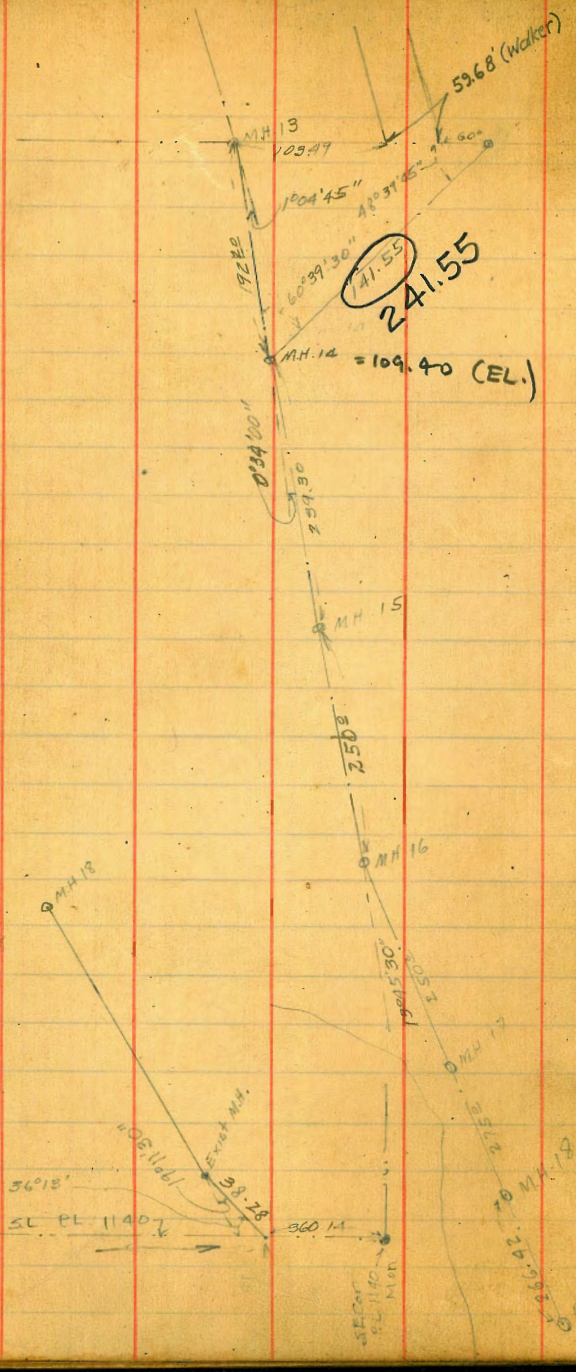

1146.94
1146.33
1147.34
197.71
189.09
199.15
197.29
197.32
190.05
184.26
BEECH ST
ASH ST
94TH
WHALEY
95TH
PENELL
96TH
MECLELLAN
INGALLS
CHOATES ADD


4445
7
LAUREL
1071.11
319.19
322.5
319.39
N Con Mon
91°03'00"
106°25'00"
ALLEY
COMMONWEALTH AVE
472.20
CULLEN'S W.L.
TERRACE
HILLSIDE ST
ARCADIAN
Con Mon
358.25
IVT
210.37
235.49
271.76
268.25
90°32'45"
St Cullens Westland Terrace.
91°02'15"
180°02'30"
5810
N 88°57'45" W
828.38
91°01'40"
106°53'30"
307.09
73°35'
Con Mon
ALLEY
COMMONWEALTH
Cullen's Westland Terrace
106°25'
88°58'30"
NL EL 1140
1363.28
Grape St
NE Cor NE¼ EL 1140
99°34'45"


Con Mon.
IVY
Fd Mon
729.43
HAWTHORN
S 13' Line
1.28
372.33
Grape
Fd Mon


N.E. Cor
NW ¼ PL 1139
Tank
Exist M.H.
N.L. PL 1139
58.7
M.H. 1
650
MH 2
77.16
40
HILLSIDE ST
ALLEY
M.H. 3
S. 13' Line
PL 1139
M.H. 5


M.H. 2
32.80' 50"
M.H. 5
89°37'30"
96.32
5 13' Line Juniper
DE. on S. 13' Line Juniper
Terrace
27.00
89°37'
M.H. 82
112.75
27.04
M.H. 83
E. Line Easton Hill
95.96
W. Line Westlands
DE
Ivy St
M.H. 6
8 13' Line Hawthorn
Elg. Line Eastern Ave
M.H. 7
Granite Mon
186.84
S.L. PL 11397
M.H. 8
M.H. 57
Mon
36.7.39
S.L. P.L. 11397
50°01'30"
170.19
150.64
M.H. 8
32°52'30" SOE
M.H. 9
M.H. 10
M.H. 11
M.H. 12
M.H. 13
103.49
WAILEY AVE
NL Thomas Ave
9


59.68' (Walker)
MH 13
109.49
100'45"
43°39'45"
60°39'30"
241.55
MH 14
= 109.40 (EL.)
MH 15
MH 16
MH 17
MH 18
EXIST M.H.
36°15'
SL EL 114.07
360.14
EXIST M.H.

SE BP to tie all reference stakes

Profile of Trunk line down Canon From Tank on Nutmeg East of Gregory to M.H. at Palo Alto & Pennel.

B.M	6 70	262.18		255.48	
T.P.	12.90	274.55	0 53	261.65	
T.P	1.55	264.39	11.71	262.84	
T.P	6 41	258.54	12 26	252.13	
0+00 = M.H. at Septic Tank					
0+06	M.H.		0 28	258.36	F.L. 248.5
0+06	grd.		1.1	257.4	
0+11			+0.5	259.0	
0+25			2.6	255.9	
0+38			4 8	253.7	
0+50			4 9	253.6	
0+68			5.1	253.4	
0+77	channel		8.7	249.8	
0+97	"		10 7	247.8	
1+06	"		12.0	246.5	
1+26			11.4	247.1	
1+35 = M.H. 1			11.79	246.75	
M.H. 1 to M.H. 2 0+00 = M.H. 1					
0+13			12.1	246.4	
T.P.	2.14	248.12	12.56	245.98	
0+39	channel		56	242.5	
0+50			4.2	243 9	
0+61			4.8	243.3	
0+74			6.2	241.9	
0+84	channel		8.3	239.8	
0+93			8.1	240.0	
1+09			8.0	240.1	

Alignment on P.8

7/11/29 London.

248.12

1+34		10.7	2374
1+39		10 2	237.9
1+50		10.0	238.1
1+76 channel		12 4	235.7
1+86		11.7	236.4
2+00		12 6	235.5
T.P. 1.26	237.56	11.82	236.30
2+09		2.9	234.7
2+17 channel		5.0	232.6
2+23		4.0	233.6
2+50		2 3	235.3
2+84		6.0	231.6
3+00 channel		8 8	228.8
3+10 "		8.6	229.0
3+36 "		9 6	228.0
3+45 channel		11 3	226.3
3+55		10.8	226.8
3+78		10 8	226.8
4+00		11.7	225.9
4+35		13.9	223.7
T.P. 0.58	225.16	12.98	224.58
4+50 channel		3.5	221.7
4+63 "		3.5	221.7
4+78		2.7	222,5
5+00		2 6	222.6

		225.16			
5+13			2.7	222.5	
5+50			4.9	220.3	
5+60	channel		6.6	218.6	
5+70	"		6.8	218.4	
5+72			5.7	219.5	
5+85			5.6	219.6	
6+00			7.4	217.8	
6+21	channel		8.9	216.3	
6+50 = MH 2			8.62	216.54	
MH 2 to MH 3			0+00 = MH 2		
0+12			9.2	216.0	
0+22	channel		11.2	214.0	
0+29	channel		11.3	213.9	
0+36	"		10.0	215.2	
0+50			10.6	214.6	
0+88			12.9	212.3	
T.P. 2.08		215.94	11.30	213.86	
0+90			4.6	211.3	
1+00	channel		4.6	211.3	
1+10			3.9	212.0	
1+19			3.8	212.1	
1+50			4.9	211.0	
1+87			5.4	210.5	
2+00			6.1	209.8	
2+50	1.38 = MH 3	209.66	7.66	208.28	

209.66

MH 3 to MH 4 0+00 = MH 3

0+24		1.5	208.2
0+50		3.2	206.5
0+63		4.5	205.2
0+73	channel	6.2	203.5
0+81		5.4	204.3
1+00		5.1	204.6
1+18		4.8	204.9
1+50		5.5	204.2
2+00		8.6	201.1
2+29		11.1	198.6
2+34	channel	11.8	197.9
2+38		11.3	198.4
2+50		11.2	198.5
2+76	channel	13.0	196.7
2+83		12.1	197.6
3+00		12.6	197.1
T.P. 2.08	198.95	12.79	196.87
3+13		2.3	196.6
3+35	channel	4.3	194.6
3+55	channel	4.5	194.4
3+61		3.5	195.4
4+00		6.2	192.7
4+08	channel	7.6	191.3
4+13	channel	7.4	191.5
4+19		5.2	193.7
4+23 II = MH 4		5.51	193.4d

MH 4 to MH 5 0+00 = MH 4

		198.95			
0+31			7.0	191.9	
0+46	channel		8.7	190.2	
0+59	channel		9.5	189.4	
0+64	"		8.6	190.3	
1+00	"		9.2	189.7	
1+40	"		9.9	189.0	
1+50	"		9.3	189.6	
1+76	"		9.4	189.5	
1+82			10.2	188.7	
1+92			9.1	189.8	
2+00			10.1	188.8	
2+13			7.1	191.8	
2+25	= MH 5		2.24	196.71	
1+95	- 16' Lt - N end Culvert under Juniper				36" Conc Pipe -
F.L			10.99	187.96	
top pipe			7.49	191.46	
MH 5	12.69	209.40		196.71	
T.P	12.50	221.21	0.69	208.71	
T.P	12.86	233.81	0.26	220.95	
T.P.	12.89	246.60	0.10	233.71	
T.P	11.12	257.40	0.32	246.28	
B.M			1.91	255.49	(255.48)

MH 5 to MH 6 0+00 = MH 5

MH 5	10.67	207.38	196.71
0+12			2.9 204.5
0+20 = N ab Juniper			2.75 204.65
0+20 gut			3.49 203.89
0+35 ± Rd way			2.83 204.55
0+49 50 Gutter			3.25 204.13
0+49 50 = Sob Juniper			2.25 205.13
0+61			3.4 204.0
0+80			14.8 182.6
T.P 0.65		195.10	12.93 194.45
0+85			
31' Lt S end culvert under Juniper (FL)			11.07 184.03
top of Pipe			7.50 187.60
1+00			4.0 191.1
1+18			5.5 189.6
1+75			14.1 181.0
T.P 0.79		182.83	13.06 182.04
2+00			3.2 179.6
2+23			4.5 178.3
2+37 channel			6.6 176.2
2+50 "			6.3 176.5
2+76 channel			7.2 175.6
2+87			5.6 177.2
3+00			6.0 176.8
3+32			6.6 176.2
3+50			7.6 175.2
4+00			10.2 172.6

		182.83		
4+20			11.6	171.2
4+31	channel		13.4	169.4
4+38	channel		13.3	169.5
4+43	"		11.0	171.8
4+50	"		11.1	171.7
4+80	"		9.5	173.3
5+00	"		9.9	172.9
5+50	"		13.2	169.6
T.P.	025	170.65	12.43	170.40
5+87			4.2	166.4
6+00	channel		7.5	163.1
6+50	"		8.1	162.5
6+70 = MH 6	channel		7.94	162.71
MH 6 to MH 7	0+00 = MH 6			
0+10	"		7.1	163.5
0+40	"		6.8	163.8
0+50	channel		9.8	160.8
T.P.	HH2	164.91	10.16	160.49
0+93	channel		5.5	159.4
1+00	"		2.9	162.0
1+11	"		3.2	161.7
1+22	channel		6.1	158.8
1+50	"		7.1	157.8
2+00	"		8.3	156.6
2+07	"		6.3	158.6
2+40 = MH 7			4.88	160.03

164.91

MH 7 to MH 8	0+00 = MH 7			
0+50			7.4	157.5
0+82			9.0	155.9
0+84	channel		10.7	154.2
0+86	"		11.1	153.8
0+88	"		8.8	156.1
1+00	"		8.8	156.1
1+50	"		9.4	155.5
1+63	"		7.9	157.0
1+76	"		8.1	156.8
2+00	"		9.8	155.1
2+50	"		13.9	151.0
T.P. 163		153.57	12.97	151.94
2+57			3.2	150.4
2+67	channel		5.4	148.2
2+73	channel		5.6	148.0
2+84	"		3.2	150.4
3+00	"		3.2	150.4
3+50	"		4.2	149.4
4+00	"		5.4	148.2
4+65 = MH 8	1.86	147.52	7.91	145.66
MH 8 to MH 9	0+00 = MH 8			
0+06			2.4	145.1
0+12	channel		4.2	143.3
0+17	channel		4.3	143.2
0+24			3.3	144.2

		14752		
0+31	channel		4.9	142.6
0+41	"		5.4	142.1
0+43			3.3	144.2
0+59			3.0	144.5
1+00			5.6	141.9
1+06			6.2	141.3
1+10	channel		7.9	139.6
1+15	channel		8.1	139.4
1+19			6.1	141.4
1+32			5.1	142.4
1+50			5.4	142.1
1+91			7.7	139.8
2+08	channel		10.6	136.9
2+16	channel		10.7	136.8
2+25			7.9	139.6
2+50			8.3	139.2
3+00			10.5	137.0
3+29			12.0	135.5
3+32	channel		13.7	133.8
3+37	"		13.8	133.7
3+40			11.9	135.6
3+61			11.3	136.2
4+00			13.3	134.2
T.P.	11.14	146.18	12.48	135.04
4+30			13.2	133.0

		14618		
4+81			15.7	130.5
4+85	channel		17.7	128.5
4+94	channel		18.3	127.9
4+97			14.2	132.0
5+08 = MH 9			13.08	133.10
MH 9 to MH 10 0+00 = MH 9				
0+15			11.8	134.4
0+50			11.6	134.6
0+73			10.9	135.3
1+00			11.9	134.3
1+10			11.3	134.9
1+30			7.4	138.8
1+60			4.8	141.4
2+14.24 = MH 10			6.27	139.91
MH 10 to MH 11 0+00 = MH 10				
0+50			9.1	137.1
0+63			9.2	137.0
1+00			11.8	134.4
1+10			12.6	133.6
1+16			16.3	129.9
1+18			14.2	132.0
T.P. 0.66		133.83	13.01	133.17
1+28.45 = MH 11			1.13	132.70

MH 11 to MH 12 0+00 = MH 11

133 83

0+35			3.3	130.5
0+48			5.4	128.4
0+59			5.8	128.0
0+72			7.3	126.5
0+90			13.8	120.0
T.P	2.70	124.75	11.78	122.05
1+08			6.0	118.8
1+10	channel		7.8	117.0
1+16	"		7.8	117.0
1+18			4.4	120.4
$1+41^{22}$	= MH 12		5.02	119.78

MH 12 to MH 13 0+00 = MH 12

0+22			5.0	119.8
0+33			6.2	118.6
0+50	channel		9.1	115.7
0+61	"		9.2	115.6
0+62			8.0	116.8
1+00			9.2	115.6
1+27			9.7	115.1
1+30	channel		11.6	113.2
1+50	"		13.0	111.8
1+67	"		13.3	111.5
1+70			10.6	114.2
2+00			10.2	114.6
2+20			9.0	115.8
$2+37^{50}$	1.71 = MH 13	116.59	9.87	114.88

MH 13 to MH 14 0+00 = MH 13

116.59

0+45			6.0	110.6
0+57	channel		9.2	107.4
0+60	"		9.5	107.1
0+62			6.0	110.6
1+00			6.5	110.1
1+24			5.3	111.3
1+50			5.0	111.6
1+61			5.0	111.6
$1+92^{20}$	= MH 14		7.19	109.40

MH 14 to MH 15 0+00 = MH 15

0+50			10.4	106.2
T.P 211		105.90	12.80	103.79
1+00			3.5	102.4
1+07	channel		6.3	99.6
1+22	channel		6.8	99.1
1+23			3.7	102.2
1+50			4.0	101.9
1+68			4.8	101.1
1+78	channel		8.2	97.7
1+90	channel		8.3	97.6
2+00			5.4	100.5
$2+39^{50}$	= MH 15		6.01	99.99

MH 15 to MH 16 0+00 = MH 15

0+50			7.9	98.0
0+71			8.8	97.1

15 – 16

10590

0+73	channel		11.3	94.6
0+82	channel		10.8	95.1
0+85			8.8	97.1
1+00			8.2	97.7
1+50			10.8	95.6
1+79			11.8	94.1
1+82	channel		14.5	91.4
2+07	"		14.4	91.5
2+12			12.7	93.2
2+50 = MH 16	2.24	95.65	12.49	93.41

MH 16 to MH 17 0+00 = MH 16

0+50			3.1	92.5
1+00			5.0	90.6
1+35			7.1	88.5
1+37	channel		10.3	85.3
1+45	channel		9.7	85.9
1+58	channel		10.7	84.9
1+57			8.0	87.6
1+70			9.5	86.1
2+00			9.9	85.7
2+41			10.9	84.7
2+50 = MH 17			10.66	85.05

MH 17 to MH 18 0+00 = MH 17

17

9565

0+08			9.8	85.8
0+42			11.1	84.5
0+46			12.8	82.8
0+78			13.5	82.1
0+82			12.1	83.5
1+00			12.9	82.7
T.P. 3.28		86.51	12.42	83.23
1+08			3.9	82.6
1+17			5.6	80.9
1+37			6.3	80.2
1+50			4.2	82.3
1+63			3.6	82.9
2+00			5.4	81.1
2+06			4.6	81.9
2+16			5.2	81.3
2+35			8.4	78.1
2+44			8.7	77.8
2+53	channel		12.5	74.0
2+75 = MH 18			12.31	74.20

MH 18 to Existing MH 0+00 = MH 18

0+50			13.0	73.5
T.P. 3.04		77.03	12.52	73.99
1+00	channel		4.1	72.9
1+50	"		4.5	72.5
1+80	"		6.0	71.0
2+00	"		5.2	71.8

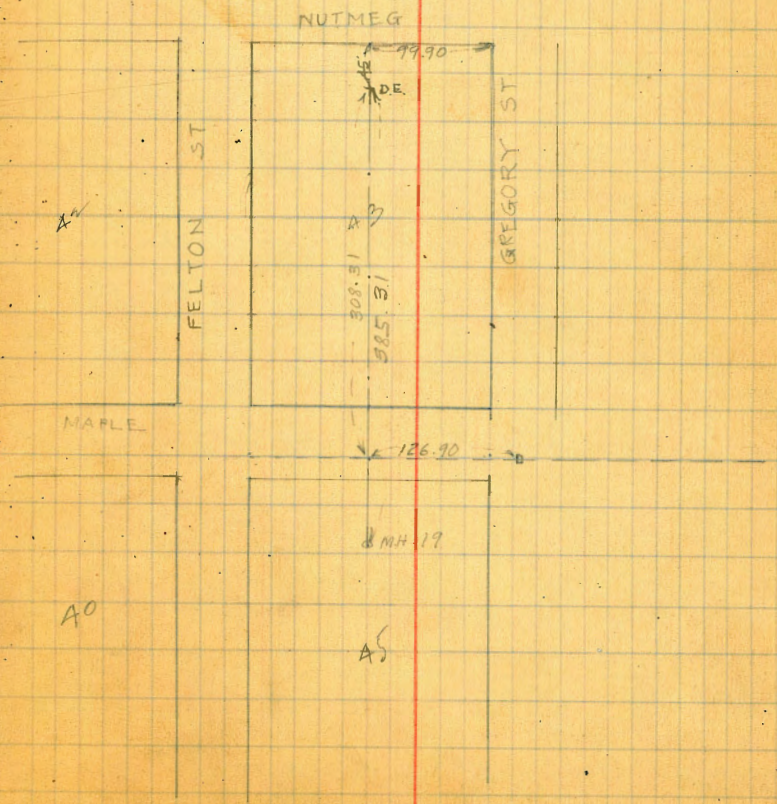
50 - 55
25 - 27 - 30

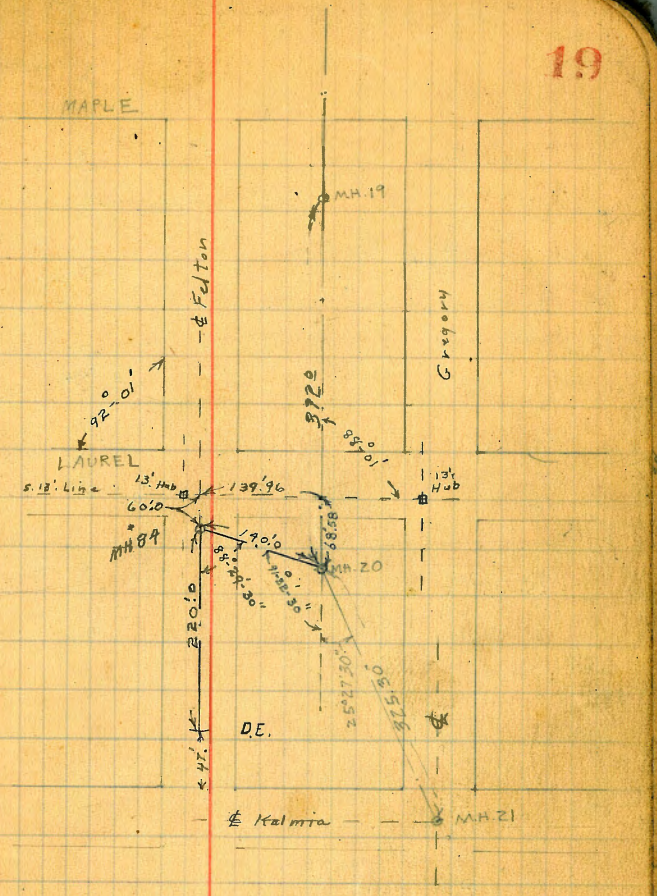
77.03

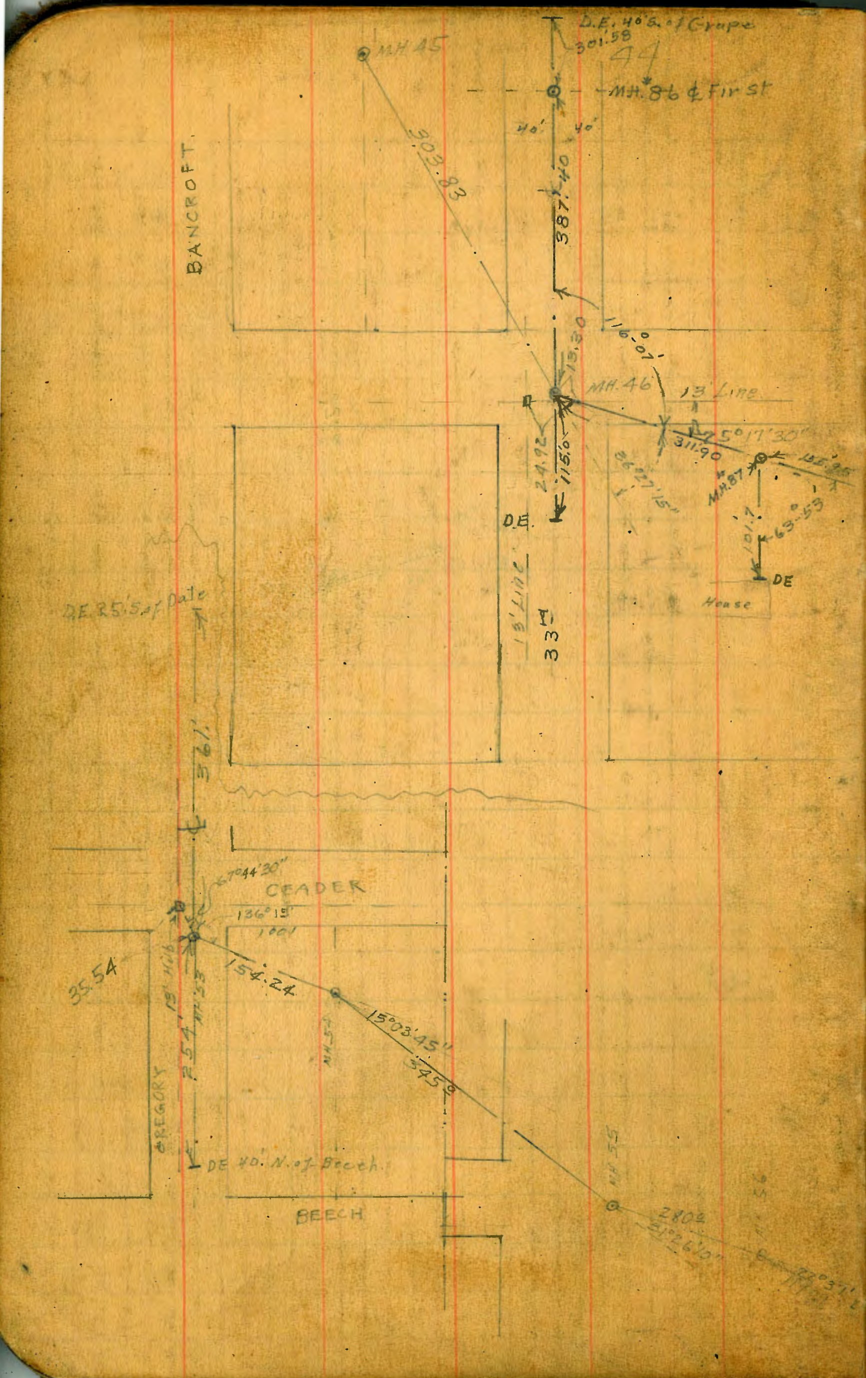
2+30 channel			5.2	71.8
2+66.2 - Exist MH		top	5.26	71.77 (Solid)
T.P.	8.56	79.70	5.89	71.14
T.P.	0.38	71.48	8.60	71.10
T.P.	1.36	66.76	6.08	65.40
T.P.	3.22	61.10	8.88	57.88
T.P.	4.66	57.39	8.37	52.73
BP Kiel B.M.			5.27	52.12 Lemon Grove 6.35th

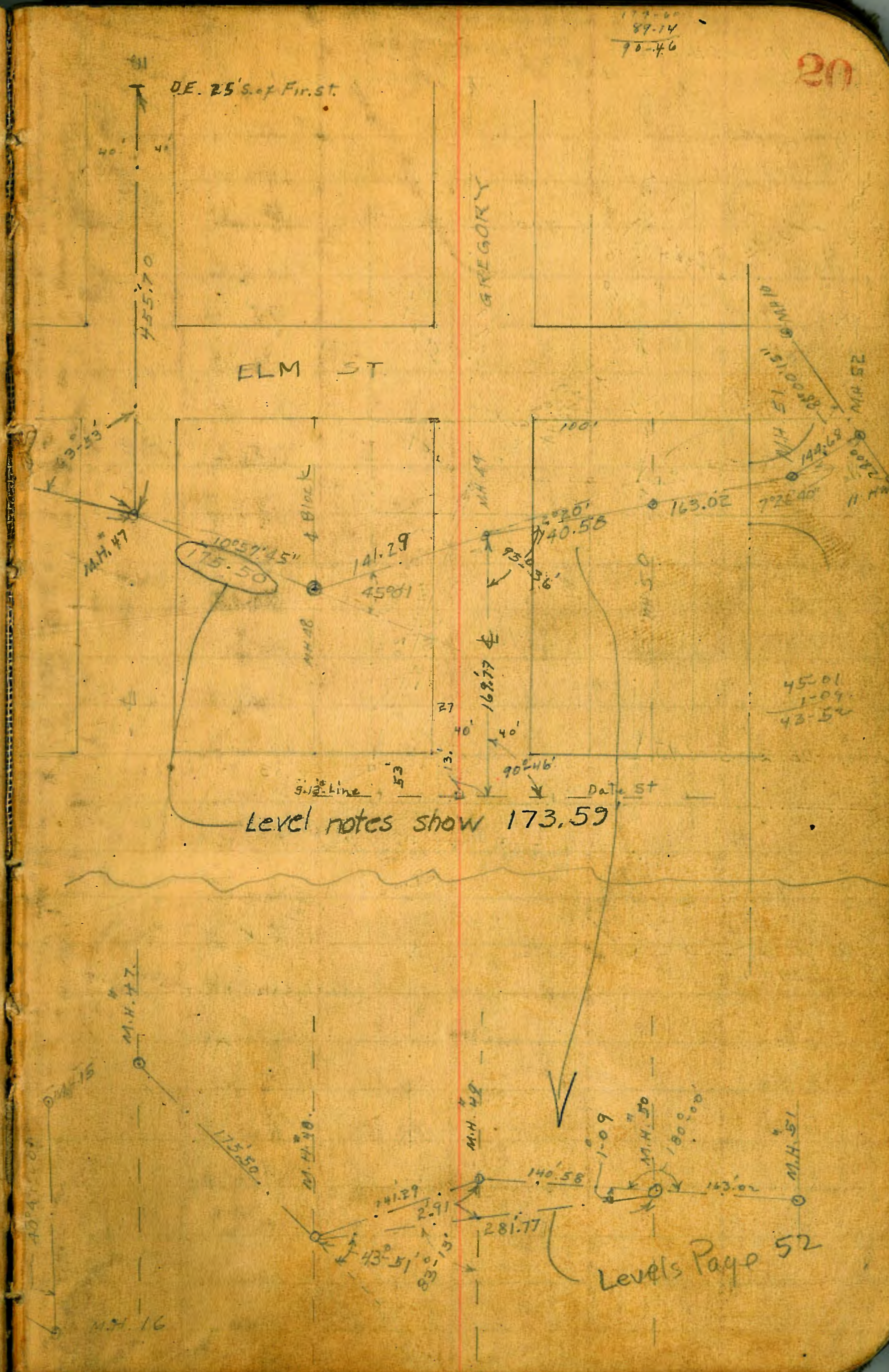
PLOTTED TO HERE

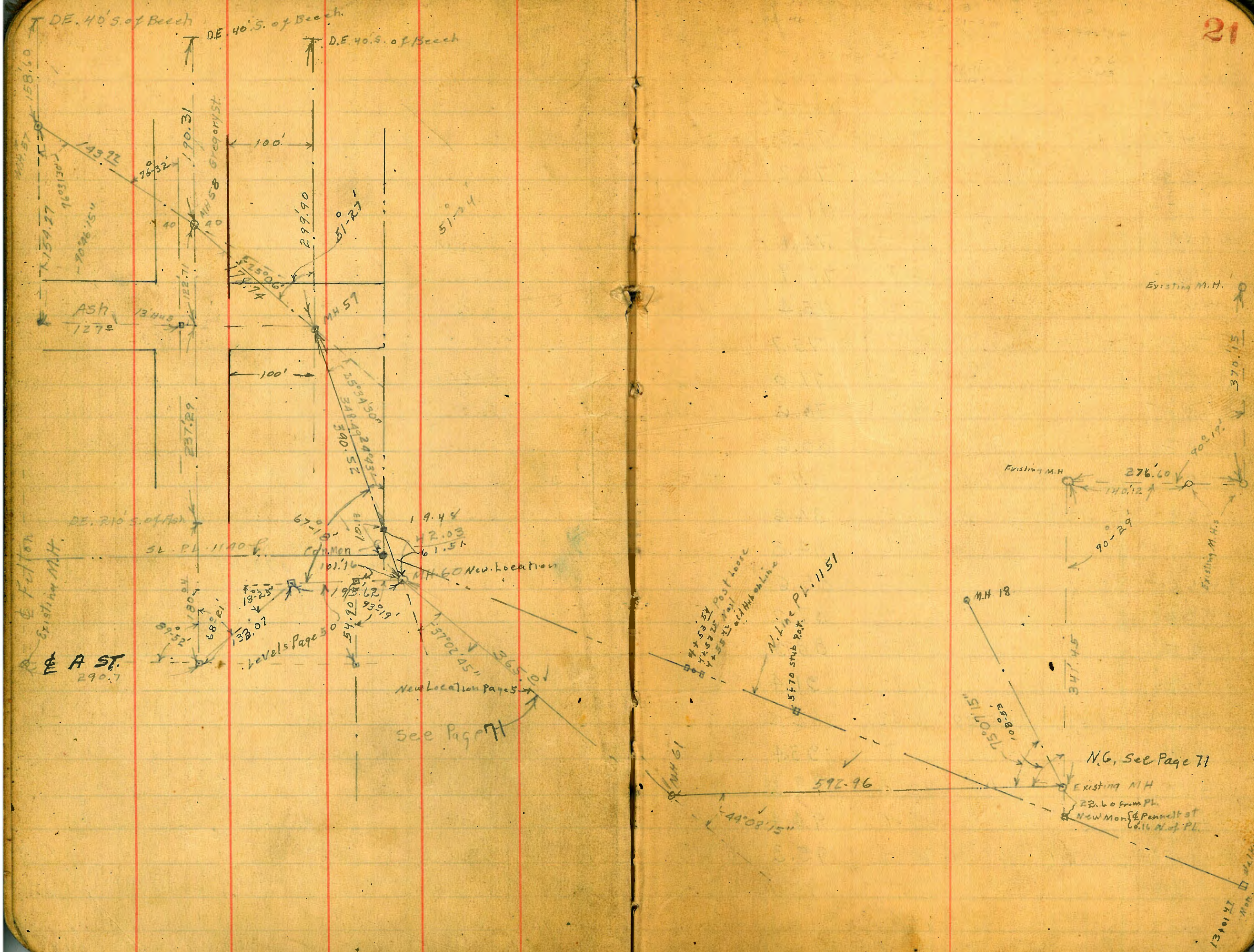
Grade 65° - 16" pipe




MAPLE
MH 19
℄ Fulton
Gregory
92.01'
LAUREL
5.18' Line
13' Hub
139.96'
60.0
MH 89
19.0.0
68.58'
MH 20
220.0'
D.E.
42'
℄ Kalmia
MH 21


D.E. 40' S. of Grape
301.58
M.H. 45
M.H. 86 ℄ First
BANCROFT
303.83
387.40
M.H. 46
13 Line
311.90
M.H. 87
D.E.
DE
House
13' Line
33
D.E. 25' S. of Dale
CEADER
136° 15'
100'
35.54
154.24
15°03'45"
GREGORY
DE 40' N. of Beech
BEECH
M.H. 55


D.E. 25' S. of First
455.70
GREGORY
ELM ST
M.H. 47
10°57'45"
175.50
141.29
45°01'
140.58
163.02
M.H. 51
M.H. 52
169.77 ℄
40'
Dale St
Level notes show 173.59
M.H. 47
M.H. 16
175.50
M.H. 48
M.H. 49
M.H. 50
M.H. 51
141.29
140.58
163.02
281.77
Levels Page 52


D.E. 40' S. of Beech
D.E. 40' S. of Beech
D.E. 40' S. of Beech
158.60
MH 57
143.92
76°32'
90°31'30"
90°26'15"
154.27
190.31
Gregory St.
MH 58
40
40
100'
299.90
51°27'
51°24'
122.71
25°06'
MH 57
Ash
127°
13.445
100'
25°34'30"
348.49
340.52
249.31
237.29
D.E. 210' S. of Ash
67°10'
19.48
42.03
61.51
SL. PL. 1140
MH 60 New Location
101.96
Existing M.H.
℄ Fulton
18.25
193.62
93°19'
54.90
133.07
Levels Page 50
℄ A ST.
290.7
37°02'45"
365.0
New Location Page 5
See Page 71
4+53.54 Post Loose
4+53.25 Nail
4+55.45 old Hub on Line
N. Line Pl. 1151
5+70 Stub R.R.
MH 61
592.96
44°08'15"
M.H 18
75°07'15"
N.G. See Page 71
Existing MH
New Mon. ℄ Pennsylt at 0.16 N. of PL.
347.45
Existing M.H.
276.60
140.12
90°19'
90°29'
370.15
Existing M.H.
Existing M.H.
13+01.41
Mon.

From Exist M.H. below #18 + 0 to M.H. 61.

Sewer line Profiles (P21)

Exist. M.H.	8.78	80.55		71.77
5+92.26 = Exist M.H.				
5+45	chl.		9.4	71.2
5+25	"		10.4	70.2
4+95	"		9.5	71.1
4+89			6.5	74.1
4+50			6.7	73.9
4+00			5.2	75.4
3+50			4.9	75.7
3+00			3.6	77.0
2+50			2.0	78.6
2+12			0.0	80.6
T.P.	12.59	93.11	0.03	80.52
2+00			9.5	84.6
1+90			8.3	84.8
1+50			7.5	85.6
1+30			5.9	87.2
1+25			4.8	88.3
1+00			1.7	91.4
T.P.	13.00	105.28	0.83	92.28
0+80			11.9	93.4
0+50			12.0	93.3
0+12	chl.		10.9	94.4
0+00 = M.H. 61			10.0	95.3

M.H 61. to M.H. 60

105.28

22

3+65 = M.H. 61			
3+10		6.3	99.0
2+60		3.3	102.0
2+40		0.7	104.6
T.P. 13.07	118.20	0.15	105.13
2+20		10.3	107.9
2+10		9.7	108.5
1+60		6.5	111.7
1+20		8.7	109.5
0+90 chl.		9.1	109.1
0+81		3.7	114.5
0+50		5.4	112.8
0+12		4.5	113.7
0+00 = M.H. 60	128.19	12.72 2.73	115.47

M.H 60 to M.H 59

3+90.52 = M.H. 60			
3+58		7.3	120.9
3+44		7.2	121.0
3+30 chl.		9.1	119.1
3+00 chl.		6.3	121.9
2+50 chl.		3.4	124.8
T.P. 12.93	140.40	0.72	127.47
2+00 chl.		11.3	129.1
1+50 chl.		7.9	132.5
1+00 chl.		4.5	135.9
T.P. 12.35	152.65	0.10	140.30
0+50		11.4	141.2

60 – 59

		152.65		
0+30			9.4	143.2
0+00 = MH 59			7.41	145.24
MH 59 to MH 58				
1+78.20 = MH 59				145.24
1+50			7.0	145.6
1+25			3.4	149.2
1+00			1.9	150.7
T.P.	12.38	163.89	1.14	151.51
0+90	"		12.9	152.0
0+65	"		10.0	154.9
0+50	"		8.6	156.3
0+30	"		5.9	159.0
0+00 = MH 58	11.07	174.30	0.66	163.23
MH 58 to MH 57				
1+43.22 = MH 58				163.23
1+23			8.6	165.7
1+00			8.5	165.8
0+80			7.5	166.8
0+50			0.7	173.6
T.P.	12.20	186.30	0.20	174.10
0+37			10.6	175.7
0+30			10.0	176.3
0+12			10.9	175.4
0+00 = M.H. 57			7.96	178.34
T.P.	12.95	199.13	0.12	186.18

199.13

T.P. 12.27	211.10	0.30		198.83
T.P. 10.71	220.69	1.14		209.96
T.P. 0.87	208.45	13.09		207.58
T.P. 0.16	195.97	12.64		195.81
T.P. 0.35	183.62	12.70		183.27
T.P. 0.26	170.92	12.96		170.66
MH 53 to MH 54 (R 20)				
0+00 = MH 53		1.20		169.72
+11		1.8		169.1
+22		2.7		168.2
+34		3.4		167.5
+45		6.5		164.4
+75		13.2		157.7
T.P. 0.93	158.97	12.88		158.04
0+87		7.2		151.8
+97		3.6		155.4
1+12		3.0		156.0
1+25		4.0		155.0
1+54.24		8.12		150.85
MH. 54 to MH 55				
0+00 = MH 54.				
0+05		10.9	1+59.24	148.1
+15		10.7	1+69.24	148.3
+20		10.9	1+74.24	148.1
+35		13.1	1+89.24	145.9
T.P. 0.25	146.53	12.71		146.28

54 – 55

146.53

0+45			3.6	142.9	1+99.24
+56			6.0	140.5	2+10
+62	ch'l.		9.7	136.8	2+16
+68			7.9	138.6	2+22
+85			8.6	137.9	2+39
+91			8.6	137.9	2+45
+97	ch'l.		12.3	134.2	2+51
1+05	ch'l.		12.8	133.7	2+59
+07			11.0	135.5	2+61
+35			11.0	135.5	2+89
T.P.	0.24	134.01	12.76	133.77	
1+75			3.2	130.8	3+29
+76	chl		5.8	128.2	3+30
2+01	chl.		8.4	125.6	3+55
2+03			5.8	128.2	3+57
+14			6.5	127.5	3+68
+25			8.1	125.9	3+79
+32			10.0	124.0	3+86
+75			6.4	127.6	4+29
3+15			10.0	124.0	4+69
T.P.	0.23	121.99	12.25	121.76	
3+45	=MH55		3.84	118.15	4+99.24

MH 55 to MH 56

121.99

0+00 = MH 55				
0+25			3.7	118.3
+50			6.3	115.7
+63			7.5	114.5
+80			7.3	114.7
1+00			10.9	111.1
+23			13.3	108.7
+40			13.2	108.8
+45			11.3	110.7
+50			11.4	110.6
+60			13.9	108.1
T.P. 0.30		109.91	12.38	109.61
1+73			5.2	104.7
+79	chl		8.6	101.3
+88	"		9.0	100.9
+92			6.5	103.4
2+00			7.2	102.7
+25			8.3	101.6
+50			9.8	100.1
MH 56 = 2+80.335		100.98	12.28	97.63

MH 56 to MH 16

0+00 = MH 56		
0+50	4.9	96.1
1+19.9 = MH 16	7.56	93.42

MH 10	0.75	140.66		139.91
MH 52 to MH 51			(P 20)	
1+44.68	= MH 52		6.3	134.4
1+36			5.6	135.1
1+32			9.4	131.3
1+21			6.8	133.9
0+00	12.07 = MH 51	150.35	2.38	138.28
1+03.27	= MH 51			
1+25			10.9	139.5
1+13			11.2	139.2
1+00			10.4	140.0
0+65			8.8	141.6
0+50			10.6	139.8
0+15			12.4	138.0
0+00 = MH 50			11.62	138.73
MH 50 to MH 49				
1+40.58	= MH 50			138.73
1+01			13.4	137.0
0+94			15.6	134.8
0+90			13.6	136.8
0+70			14.5	135.9
0+62			11.8	138.6
0+54			11.6	138.8
0+50			13.3	137.1
0+46			11.1	139.3
0+40			10.3	140.1
0+15			4.9	145.5
0+00	= MH 49		5.29	145.06

150.35

MH 49 to MH 48			
1+41.29 = MH 49			145.06
1+00		2.8	147.6
T.P 12.92	162.26	1.01	149.34
0+66		10.9	151.4
0+50		12.0	150.3
0+25		9.7	152.6
0+06		11.5	150.8
0+00 = MH 48		10.81	151.47
MH 48 to MH 47			
1+73.59 = MH 48			151.47
1+70		12.0	150.3
1+15		7.0	155.3
1+00		7.6	154.7
0+87 chl.		7.5	154.8
T.P 12.31	173.99	0.58	161.68
0+65		18.8	155.2
0+50		16.1	157.9
0+20		16.3	157.7
0+00 = MH 47		13.17	160.82
MH 47 to MH 46			
3+11.90 = MH 47			160.82
2+85		17.9	162.1
2+50		6.5	167.5
2+35		5.4	168.6
2+00		3.4	170.6
1+60		4.3	169.7

		47 – 46		
		173.99		
1+20			2.2	171.8
T.P.	12.80	186.71	0.08	173.91
1+07			12.3	174.4
0+90			9.7	177.0
0+70			4.1	182.6
T.P.	12.84	198.69	0.34	186.37
0+50			10.5	188.2
0+00	= MH 46		7.22	191.47
T.P.	12.37	211.01	0.05	198.64
T.P.	11.76	222.64	0.13	210.88
T.P.	11.49	234.04	0.09	222.55
B.M.			7.41	226.63
T.P.	12.61	246.52	0.13	233.91
T.P.	13.08	259.57	0.03	246.49
T.P.	13.04	272.50	0.11	259.46
T.P.	1.84	278.79	1.55	270.95
T.P.	0.79	279.38	0.20	276.59
T.P.	0.63	267.02	12.99	266.39
T.P.	0.62	254.62	13.02	254.00
T.P.	0.25	242.31	12.56	241.06

B.P. N.W. Bancroft & Sons.

See Book 1316 P 37

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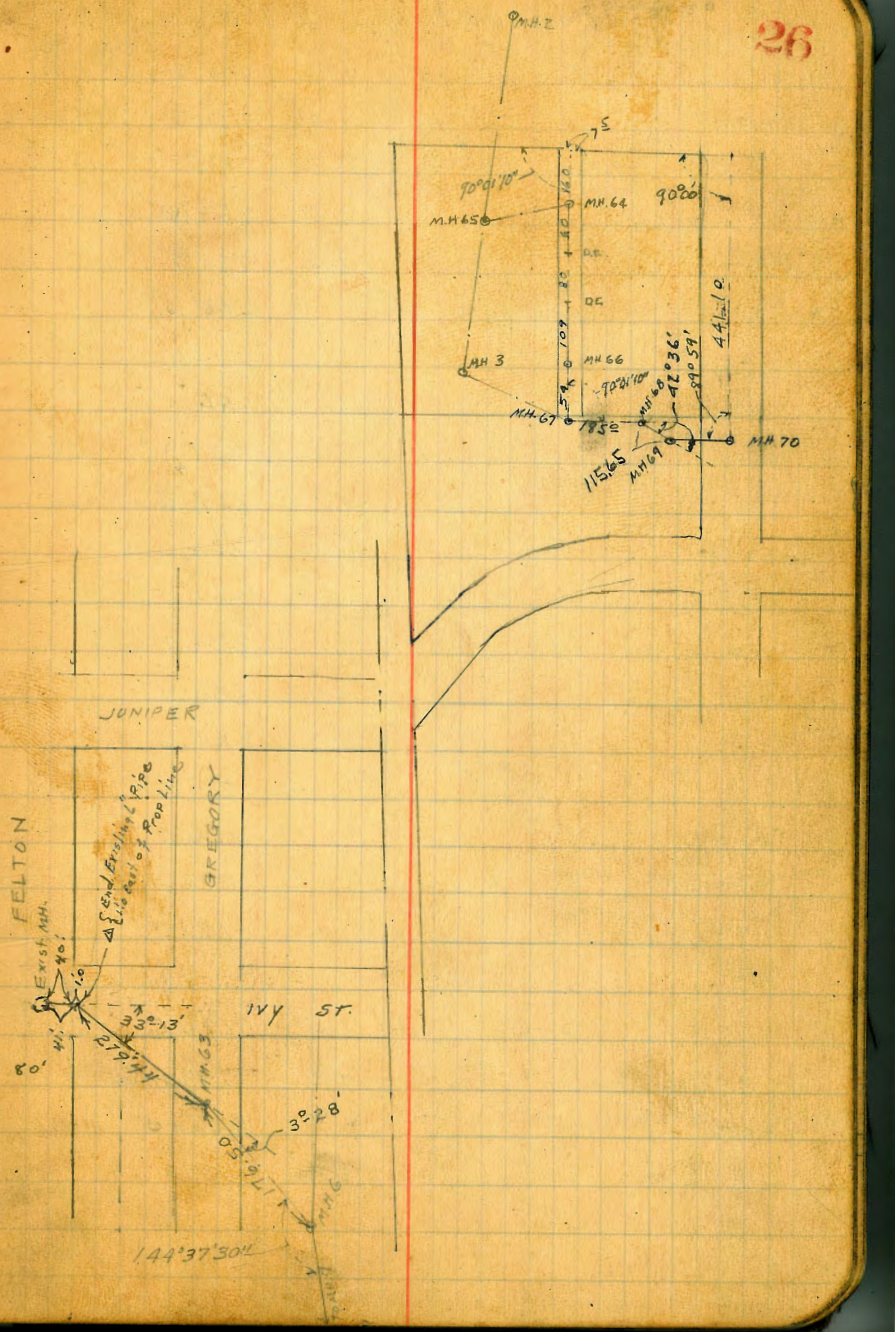
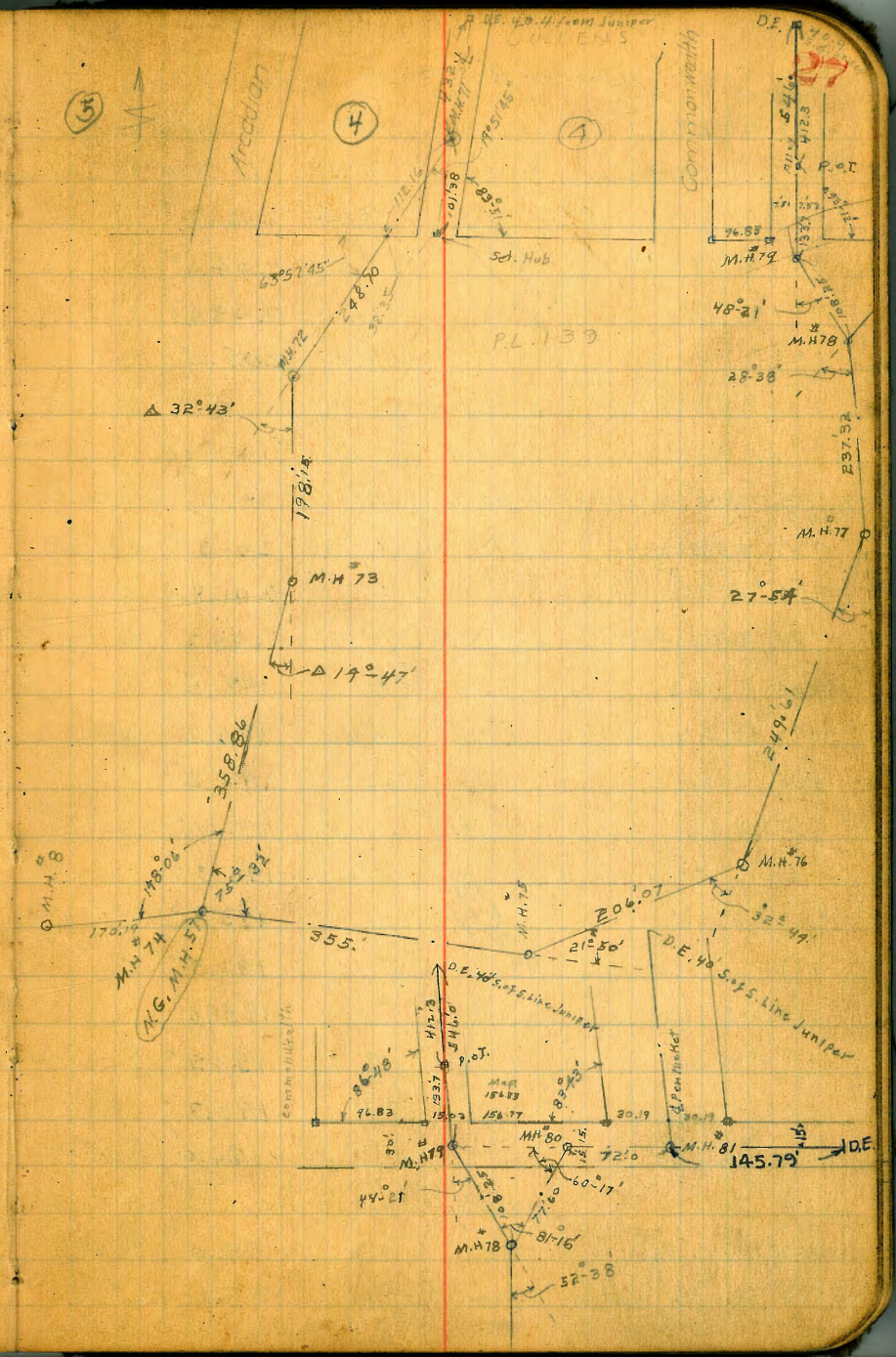


Prelim. Sewers : Alley Blk 4 — 11-29

Cullens Westland Terrace S. of Juniper

B.M. Bottle Pole	2.24	272.74		270.50	N.E. Juniper & Commonwealth
Set B.M.B.P.			6.31	266.43	S.W. Juniper & Commonwealth
T.P.	0.43	261.15	12.02	260.72	
00=D.E. 40' S. of S. Line Juniper			3.97	257.18	on slab
0+40			9.3	251.9	
0+70			13.2	248.0	
T.P.	0.17	248.15	13.17	247.98	
1+00			4.1	244.0	
+50			10.3	237.9	
+75			15.4	232.8	Wash
2+00			14.2	234.0	
T.P.	0.23	235.28	13.10	235.05	
12'E of 2+00 - Bottom Wash.			10.6	224.7	
2+35			4.6	231.3	
+60			4.7	230.6	
+80			9.4	225.9	
3+00			9.0	226.3	
+20			8.5	226.8	
+42			13.4	221.9	
T.P.	0.23	222.39	13.12	222.16	
+65			1.8	220.6	
+80			4.7	217.7	
4+00			6.4	216.0	
T.P.	0.64	210.59	12.44	209.95	

PLOTTED



Line from M.H. #72 S. on E. Alley

4132=		222.39			
00=M.H. #71			18.97	203.42	
0+4.	bottom Wash.		20.9	201.5	
0+25			16.2	206.2	
0+35			17.8	204.6	
0+70			12.8	209.6	
0+85			16.9	205.5	

PLOTTED

210.59

4+32=M.H. #71 Δ 19°-51'-45" Rt. 0+00			7.17	203.42	on stub
0+8	bottom Wash		9.3	201.3	
0+25			8.8	201.8	
0+35	Bottom wash		11.4	199.2	
0+60			12.1	198.5	
0+75	bottom wash.		16.4	194.2	
1+00			12.2	198.4	
T.P.	1.10	198.61	13.08	197.51	
1+22	Bottom wash		8.3	190.3	
1+42			4.7	193.9	
1+50			7.1	191.5	
1+56			5.0	193.6	
1+70			7.7	190.9	
1+85			7.9	190.7	
2+10	Wash		14.6	184.0	
T.P.	0.11	186.15	12.57	186.04	
2+38	Wash.		4.2	182.0	
2+48=M.H. #72	Δ 82°-43'	Lt. = 0+00	2.44	183.71	on Stub

PLOTTED

184.15

0+30	Wash		6.4	179.8	
0+50			4.9	181.3	
0+67			3.2	183.0	
1+00			8.8	177.4	
1+30	Wash		11.0	175.2	
T.P.	0.52	175.74	10.93	175.22	
1+57			1.0	174.7	
1+76	Wash		3.8	171.9	
1+85			1.9	173.8	
0+00=1798'15"=M.H. #73	Δ 14°-47'	Rt.	2.37	173.37	
0+17	Wash		7.1	168.6	
0+26			5.4	170.3	
0+48			5.9	169.8	
0+82	Wash		10.5	165.2	
0+95			9.0	166.7	
1+34	Wash.		12.3	163.4	
1+60			9.6	166.1	
2+00			12.3	163.4	
T.P.	0.75	163.70	12.79	162.95	
7'E. of	2+00	Wash	2.5	161.2	
2+30			3.0	160.7	
3+00			5.8	157.9	
10'E. of	3+00	Wash	7.7	156.0	
3+20			7.1	156.6	
3+58.86 M.H. #74			10.03	153.67	
T.P.			10.03	153.67	

PLOTTED

M.H 74 to M.H #8

T.P. Page 28	2.35	156.02		153.67
0+00 = M.H. #74			2.35	153.67 on stub
0+17			3.7	152.3
0+23	Wash		5.9	150.1
0+25			4.0	152.0
0+50			4.4	151.6
1+00			5.8	150.2
1+40			8.4	147.6
1+50	Wash		11.8	144.2
1+60			9.9	146.1
1+70.19	M.H. #8		10.36	145.66 = 145.66 Page 14 on stub

M.H 74 To 75

T.P. Page 28	12.65	166.32		153.67
0+00 = M.H. #74			12.65	153.67 on stub
0+7	Wash		14.4	151.9
0+13			12.6	153.7
0+53			10.3	156.0
0+64	Wash		11.9	154.4
0+72			10.1	156.2
1+00			8.0	158.3
1+50			3.8	162.5
1+80			3.6	162.7
35 of 1+80 =	Wash		4.8	161.5
2+00			0.7	165.6
T.P.	10.15	176.40	0.07	166.35

PLOTTED

176.40

2+35			8.3	168.1
2+86	Wash		9.6	166.8
3+00	Wash		9.1	167.3
3+35	Wash		7.0	169.4
3+55 M.H #75 Δ 21°-50' Lt. = 0+00			4.58	171.82 on stub
0+30	Wash		5.9	170.5
0+60			1.9	174.5
0+80	Wash		3.2	173.2
1+00			0.9	175.5
1+10	Wash		2.5	173.9
T.P.	11.46	187.81	0.05	176.35
1+50			6.8	181.0
1+72	Wash		8.5	179.3
2+06.07 M.H. #76 Δ 32°-44' Lt. = 0+00			5.03	182.78 on stub
0+15	Wash		6.8	181.0
0+25			4.6	183.2
0+38	Wash		6.5	181.3
0+60			1.7	186.1
0+90	Wash		3.6	184.2
1+10	"		2.1	185.7
T.P.	13.15	200.43	0.53	187.28
1+50			7.5	192.9
1+60			10.0	190.4
1+73	Wash		10.0	190.4
2+00	"		9.6	190.8
2+17			4.2	196.2

PLOTTED

200.43

2+30			5.9	194.5
2' W. of 2+30	Wash.		7.7	192.7
2+49.5 M.H.77	Δ 27°-54'	Lt. = 0+00	2.68	197.75
0+20			4.2	196.2
2' W. of 0+20	wash		5.2	195.2
0+35			2.4	198.0
0+44	wash		4.2	196.2
T.P.	12.48	212.74	0.17	200.26
0+75			9.9	202.8
1+00			11.2	201.5
3' E. of 1+00	Wash		12.3	200.4
1+18	"		10.8	201.9
1+23			8.4	204.3
1+50	Wash		7.2	205.5
1+80			5.6	207.1
2+00	Wash.		6.0	206.7
2+10	"		5.7	207.0
2+37.3 M.H.78	Δ 52°-38'	Lt. = 0+00	1.24	211.50 ow stub
T.P.	12.36	223.86	1.24	211.50 " "
0+5	Wash to N E		14.0	209.9
0+10			12.0	211.9
0+30	wash		13.2	210.7
0+50			8.8	215.1
2' W. of 0+50	wash		10.8	213.1
0+65	"		8.6	215.3
0+90			3.5	220.4

PLOTTED

223.86

30

0+95			4.7	219.2
1+08.5 M.H.79	& Alley & IVy Δ N. on & Alley		2.34	221.52 stub
0+08	Wash		5.8	218.1
0+16	"		5.2	218.7
T.P.	12.59	236.45	0.00	223.86
0+55			2.2	234.2
T.P.	12.39	248.70	0.14	236.31
0+75			7.2	241.5
0+93			4.0	244.7
T.P.	12.90	261.28	0.32	248.38
1+33.2	P.O.T.		5.62	255.66 stub
1+60			6.1	255.2
1+70			3.2	258.1
2+00			1.8	259.5
T.P.	12.94	274.11	0.11	261.17
2+15			12.6	261.5
2+50			11.0	263.1
3+00			9.3	264.8
3+50			8.0	266.1
4+00			6.6	267.5
4+50			4.6	269.5
5+10			1.5	272.6
5+46	D.E 40.4 S. of Juniper		1.96	272.75 stub
T.P.	2.78	273.30	3.59	270.52
chk BM. B.P.			6.86	266.44 = 266.43 S.W. Juniper & Commonwealth

PLOTTED

Prelim. Sewer & Pentucket. Miller Nov 29

274.11 H.I. Page 30

T.P.	0.92	270.95	4.08	270.03	
0+00 = 40' S. of Juniper		4+12.4	7.5	263.5	2+92.4
0+20		+32.4	6.0	265.0	3+12.4
0+30		+42.4	7.0	264.0	+22.4
0+40		+52.4	6.1	264.9	+32.4
0+70		+82.4	5.2	265.8	+62.4
1+00		5+12.4	3.7	267.3	+92.4
1+50		+62.4	1.5	269.5	4+42.4
2+00		6+12.4	0.8	270.2	+92.4
2+50		+62.4	0.9	270.1	5+42.4
3+00	7+12.4		2.2	268.8	+92.4
3+50	+62.4		4.4	266.6	6+42.4
4+00		8+12.4	7.8	263.2	+92.4
4+50		+62.4	11.4	259.6	7+42.4
5+00		9+12.4	13.3	257.7	+92.4
T.P.	0.09	257.87	13.17	257.78	8+41.4 on stub
5+49 M.H. #81	℄ {Pentucket & Ivy sts. = 0+00 W. on ℄ Ivy to M.H. #80.	9+61.4	1.28	256.59	Δ 96°-17' Rt.
0+7			1.6	256.3	+48.4
0+20	Wash		9.0	248.9	+61.4
0+35			12.8	245.1	+76.4
1' S. of 0+35	Wash		15.3	242.6	
T.P.	0.16	245.30	12.73	245.14	
0+46	Wash		6.1	239.2	+87.4
0+48	"		9.6	235.7	+89.4
0+53	"		13.0	232.3	+94.4
0+55			11.2	234.1	+96.4

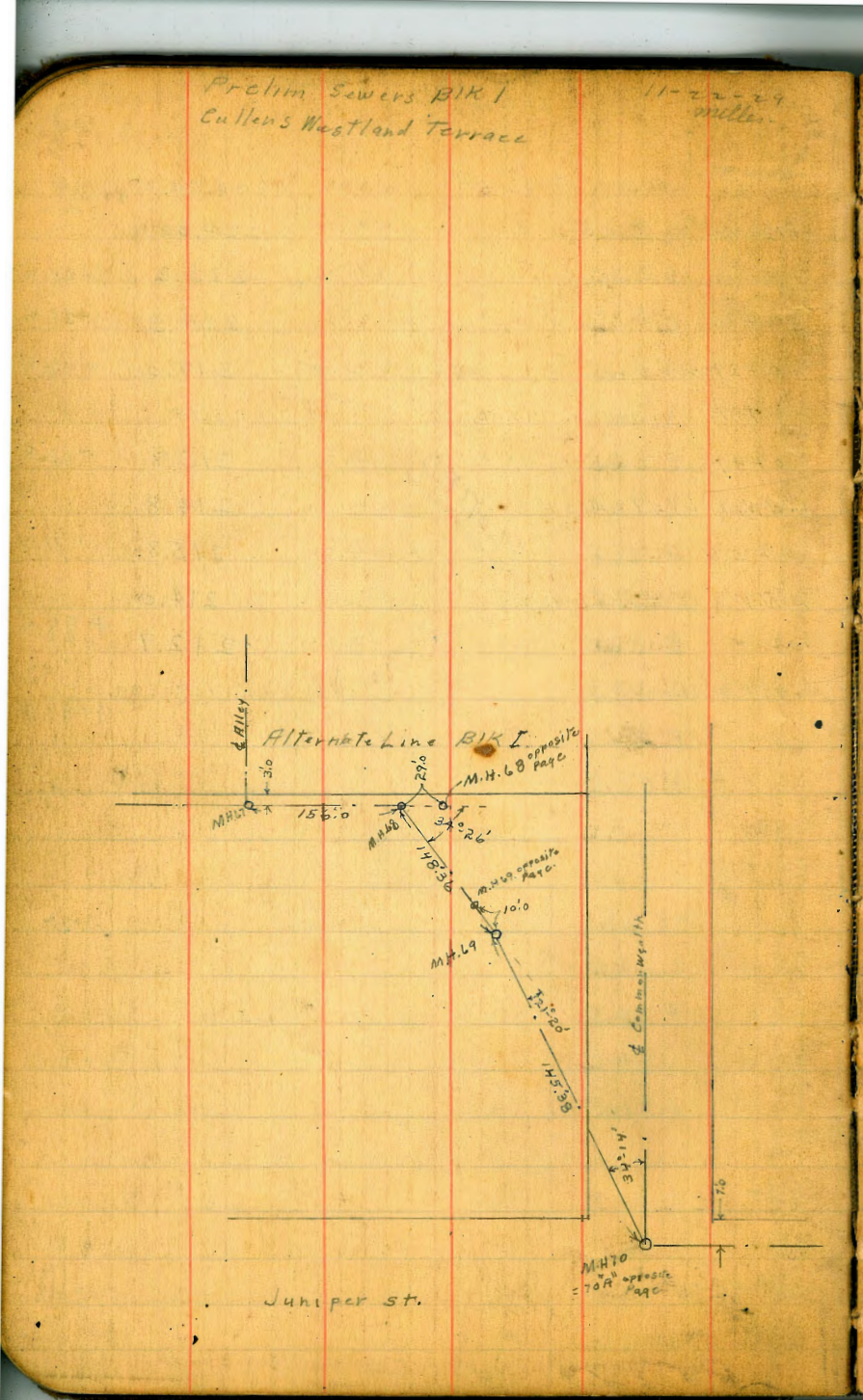
PLOTTED

245.30

T.P. 0.16 232.80	12.66	232.64	9+13.4 in wash on stub
0+72 = M.H. #80 Δ 60°-17'. Lt. = 0+00	8.80	224.00	
0+12	9.6	223.2	9+25.4
0+16	8.5	224.3	+29.4
0+29 Wash.	13.8	219.0	+42.4
T.P. 0.86 221.01	12.65	220.15	
0+49	5.2	215.8	+62.4
1' N.W. of 0+49 = Wash	6.2	214.8	
0+58	5.2	215.8	+71.4
2' N.W. of 0+58 = wash	7.0	214.0	
0+75	8.1	212.9	+88.4
0+77.60 = M.H. #78	9.51	211.50 = 211.50 (Page 30)	9+91.0

PLOTTED

Prelim Sewers Blk I
Cullen's Westland Terrace
11-2-29
Miller



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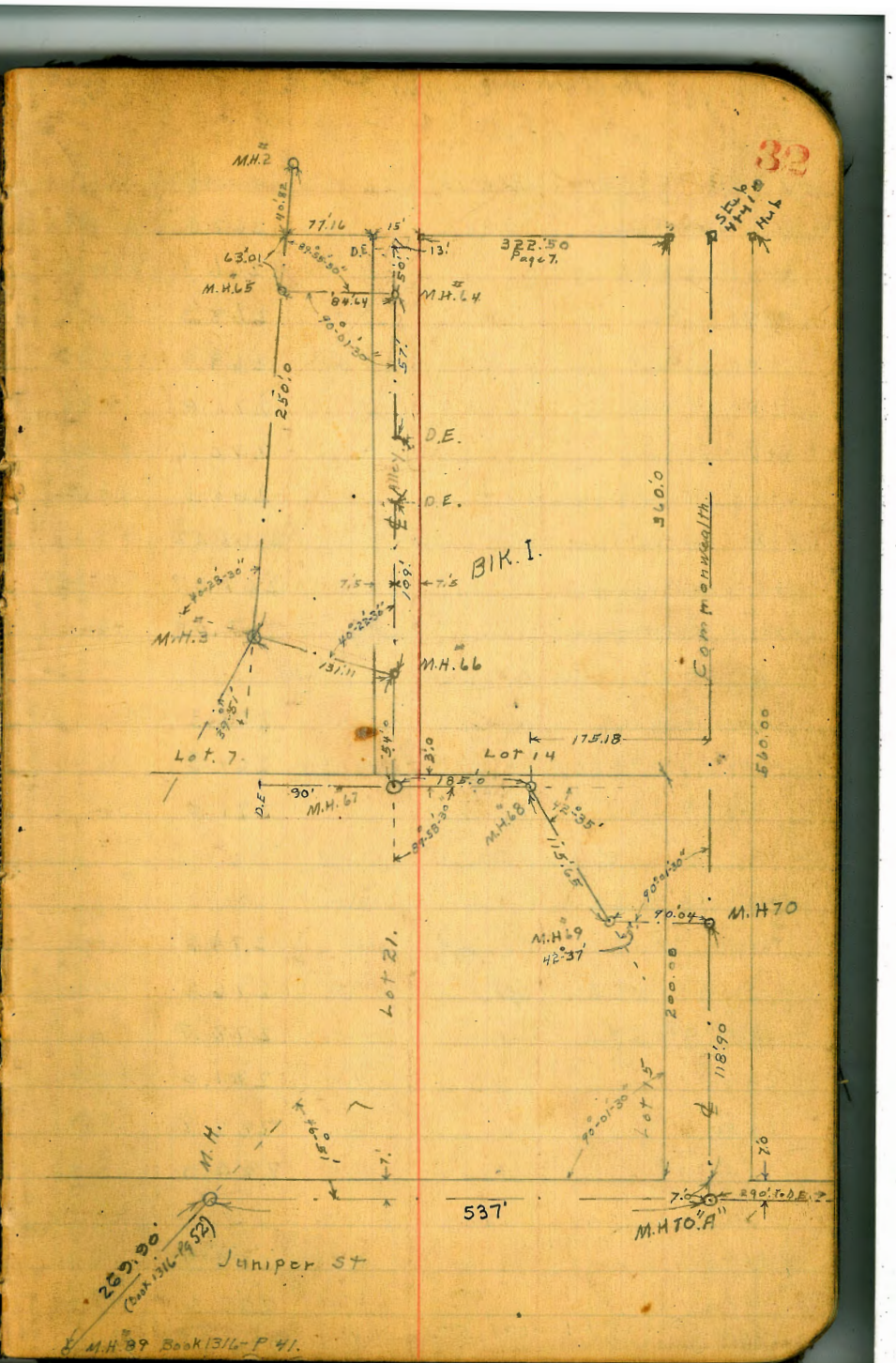


Sewers Blk. 1, Cullens Westland Terrace — Nov 29 — Miller

Line 7' S. N. Line Juniper

B.M. {2.90' E. of M.H. 70 "A"}	5.70	272.13		266.43	S.W. Juniper & Commonwealth
0+00 = D.E. {7' S. of N. Line Juniper}			9.7	262.4	2+90
0+40			6.0	266.1	2+50
0+70			3.8	268.3	2+20
1+00			2.2	269.9	1+90
1+50			1.1	271.0	1+40
2+00			2.0	270.1	0+90
2+60 = E. Line Commonwealth			4.0	268.1	0+30
2+67.20 ent. ab. return			4.01	268.12	0+22.9
2+67.20 gutter pavmt.			4.76	267.37	0+22.9
2+90 = M.H. 70 "A" pavmt = 0+00			5.04	267.09	0+00 9+35 See Bk 1316/52
N. on ℄ Commonwealth					
0+7 N. Line Juniper on pavmt.			4.8	267.3	9+28
0+50			2.6	269.5	+85
1+00			0.3	271.8	8+35
T.P.	13.02	284.96	0.19	271.94	
1+25.20 M.H. #70 = 0+00			11.99	272.97	8+09.1 on stub
0+50			10.1	274.9	+59.1
1+00			8.2	276.8	7+09.1
1+50			6.3	278.7	+59.1
2+00			4.0	281.0	6+09.1
2+50			2.2	282.8	+59.1
3+00			1.0	284.0	5+09.1
T.P.	5.67	289.67	0.96	284.00	
3+50			5.0	284.7	+59.1
4+00			4.4	285.3	4+09.1
4+41.10 {S. Line Laurel St., N. Line Cullens Westland Terrace}			3.74	285.93	3+68.0 stub

PLOTTED

Alternate Line Blk I.

272.13

0+00 = M.H. 70 = M.H. 70 "A" Main Line			5.04	267.09
0+8.2 N. Line Juniper pavmt			5.01	267.12
0+30			4.1	268.0
0+40			2.9	269.2
0+85			2.5	269.6
1+00			3.3	268.8
1+41			4.9	267.2
1+42			6.6	265.5
1+45.38 M.H. #69 = 0+00			7.00	265.13
T.P.	0.38	262.34	10.17	261.96
0+21			1.5	260.8
0+32			2.9	259.4
0+55			9.6	252.7
T.P.	0.14	249.53	12.95	249.39
0+65			2.7	246.8
1+18			12.1	237.4
1+20			13.0	236.5
T.P.	7.38	243.86	13.05	236.48
1+30			7.3	236.6
1+48.36 M.H. #68 (+5.6' E. of M.H. #67)			10.96	232.90 stub.

PLOTTED

Main Line Blk I.

0+00 = M.H. #70 & Commonwealth	2.01	274.98 ✓		272.97 ✓	stub
0+30 N line "			2.1	272.9	
0+31			4.5	270.5	
0+55			6.2	268.8	
0+57			7.3	267.7	
0+70			8.1	266.9	
0+75			9.3	265.7	
0+85			10.0	265.0	
0+87			11.1	263.9	
0+90.04 = M.H. #69 = 0+00			11.36	263.62	
0+9			13.8	261.2	
T.P.	0.38	262.34 ✓	13.02	261.96 ✓	
0+20			2.6	259.7	
0+35			7.5	254.8	
0+45			11.9	250.4	
0+58 cmt. wall			13.3	249.0	
T.P.	0.14	249.53 ✓	12.95	247.39 ✓	
0+60			3.5	246.0	
0+68			4.2	245.3	
0+78			3.1	246.4	
0+90			5.1	244.4	
1+15.65 M.H. #68 = 0+00			11.29	238.24	on stub
T.P.	7.38	243.86	13.05	236.48	
0+6			8.8	235.1	
0+29 = M.H. #64 Alternate Line			10.96	232.90	
0+55			6.5	237.4	

PLOTTED

243.86 ✓

1+00			6.4	237.5
1+35			6.1	237.8
1+60			7.5	236.4
1+85 M.H. #67 = 0+00 Line W. from M.H. #67			6.34	237.52
0+40			+ 0.5	244.4
0+65			+ 1.5	245.4
0+90 = D.E. W. of M.H. #67			1.0	242.9
T.P.	0.23	231.62 ✓	12.47	231.39 ✓
Line North from M.H. #67 = 0+00				
0+30			7.4	224.2
T.P.	0.48	219.47 ✓	12.63	218.99 ✓
0+54 M.H. #66 = 0+00			3.56	215.91 on stub
0+10 Wash			5.9	213.6
0+28			6.0	213.5
0+50			7.7	211.8
0+77			6.2	213.3
1+00			11.6	207.9
1+12 Wash			13.5	206.0
1+31.11 = M.H. #3			11.24	208.23 = 209.28
T.P.	7.66	223.91 ✓	3.22	216.25 ✓
Line from M.H. #65 to #64				
00 = M.H. #65			12.43	211.48
0+2 Wash			13.0	210.9
0+15			10.2	213.7
0+45			9.1	214.8
0+65 Wash			7.0	216.9
0+84.44 M.H. #64			2.97	220.94 ✓

PLOTTED

223.91

T.P.	12.80	236.59	0.12	223.79
Line in Alley Blk I.				
00 = D.E. 50' North of M.H. #64			0.3	223.6
0+16			6.7	217.2
0+30			10.9	213.0
0+45 Wash.			16.5	207.4
0+50 = M.H. #64 = 0+00			15.65	220.94
0+18 S			10.0	213.9
0+50 S			0.2	223.7
T.P.	7.96	244.45	0.10	236.49
0+57 D.E. Stub.		PLOTED	7.38	237.07
0+80 S			6.8	237.6
1+00 S			6.2	238.2
1+37 S. = D.E. Stub 109' N. of M.H. #66 = 0+00			7.05	237.40
0+25			7.5	236.9
T.P.	0.72	232.37	12.80	231.65
0+60			6.1	226.3
0+80			10.2	222.2
T.P.	1.17	221.31	12.23	220.14
1+03 Wash.			6.5	214.8
1+ 9. = M.H. #66			5.40	215.91

Prelim. Sewer in Blk 66 Eastern Add
+℄ Hillside St. See Plat Page 9 Left hand page
℄ Hillside ST.

Nov 29 Miller

B.M. M.H.#5	11.40	208.11		196.71	stub
24.4 N. of 0+00 = S. cmt. ch Juniper			1.86	206.25	
10' N " 0+00			2.0	206.1	
5' N " 0+00			3.8	204.3	
0+00 = DE ℄ Hillside St / S. 13° Line of Juniper			1.2	206.9	17+46.11
0+15			2.0	206.1	17+61
0+47			7.9	200.2	17+93
0+80			10.0	198.1	18+26
1+10			11.3	196.8	18+56
1+55			2.4	205.7	19+01
1+70			5.4	202.7	19+16
1+85		PLOTTED	6.2	201.9	19+31
2+15			9.1	199.0	19+61
2+60 Nash.			13.3	194.8	20+06
2+74.0 M.H.#83			10.68	197.43	20+20.15
T.P.	9.33	206.76	10.68	197.43	stub
3+00			7.2	199.6	20+46.11
3+30			5.2	201.6	+76.11
3+50			5.1	201.7	+96.11
3+70 DE			2.74	204.02	21+16.11 stub

Line from M.H.#83 N. to M.H.#82

0+00 = M.H.#83			9.33	197.43	
T.P.	0.38	193.95	13.19	193.57	
0+20			4.0	190.0	
0+37			12.5	191.5	
0+48			15.3	178.7	
T.P.	0.90	181.97	12.88	181.07	
0+52 E. Edge Wash			8.9	173.1	
0+58 W " "			8.9	173.1	
0+60		PLOTTED	7.6	174.4	
0+85			6.8	175.2	
1+12.5 = M.H.#82			5.50	176.47	stub
T.P.	0.63	173.64	8.96	173.01	
chk M.H.#6. stub			10.92	162.72	= 162.71 P.H

193.95

Prelim. Sewers from M.H. 20 to M.H. 84 — 12-7-29 mills

Plat Page 19

0+00 = BM. Hub	12.52	234.21		R 21.69	M.H. 20
0+25			12.5	221.7	
0+29 Wash			14.9	219.3	
0+35			11.9	222.3	
0+52			10.2	224.0	
1' N. of 0+52 Wash			11.1	223.1	
0+75			5.3	228.9	
1+00			2.0	232.2	
T.P.	12.08	245.61	0.68	233.53	
1+40 M.H. 84			7.54	238.07	stub
Line from M.H. 84 South.					
T. N. of M.H. 84 = Wash			9.1	236.5	
0+00 = M.H. 48			7.54	238.07	stub
T.P.	11.66	256.95	0.32	245.29	
0+20			11.2	245.8	
Set BM. SW. 13' Hub Felton + Laurel			1.95	255.00	
0+34			7.1	249.9	
0+60			1.7	255.3	
T.P.	13.23	269.58	0.60	256.35	
0+72			12.5	257.1	
1+00			10.3	259.3	
1+06			8.8	260.8	
1+30			6.6	263.0	
1+50			5.7	263.9	
1+75			2.4	267.2	
2+00			0.7	268.9	
2+20 D.E. 47' N. of Kalmia			0.2	269.4	

PLOTTED

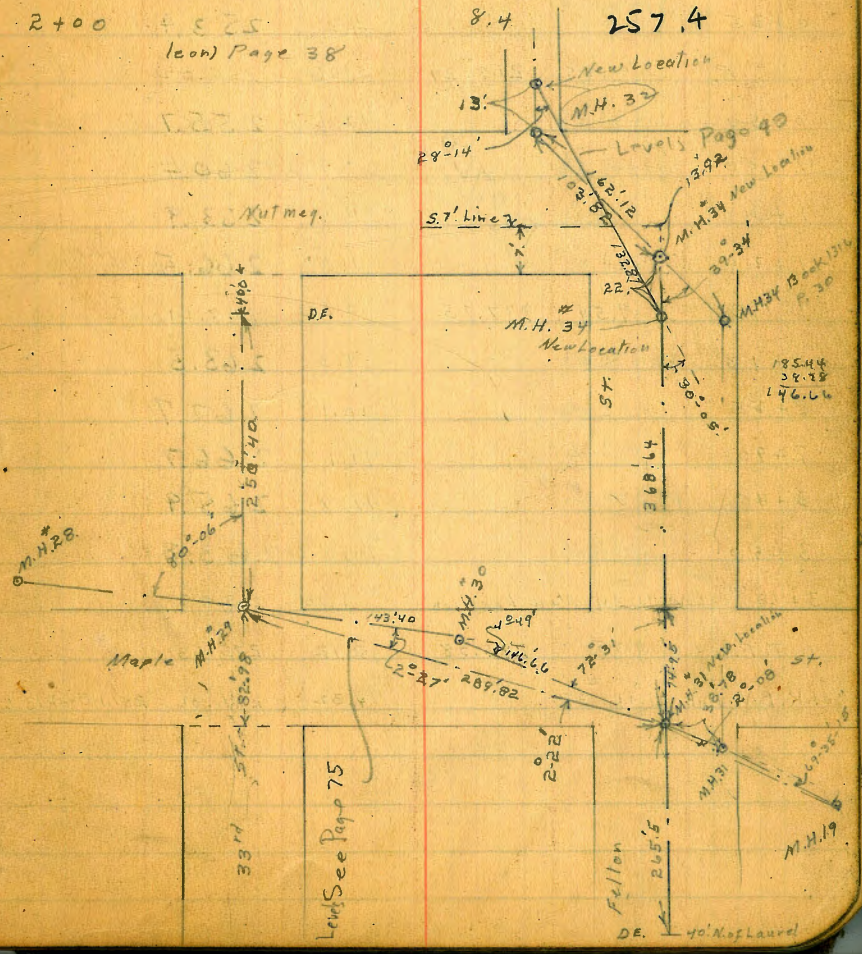
Line ℄ Felton St

37

BM	10.82	265.82		255.00 13' HHb opp. Page
00 = D.E. 40' N. of Laurel			5.8	260.0
0+50			5.3	260.5
1+00			5.9	259.9
1+30			6.6	259.2
1+60			6.0	259.8
1+90			6.6	259.2
2+00			8.4	257.4

PLOTTED

(con) Page 38



℄ Felton St (con)

265.82

2+23			12.5	253.3
T.P.	2.73	255.58	12.97	252.85
chk BM MH 30			0.14	255.44 = 255.44
2+65.50 M.H. 31	32+98.26 New Location	= 0+00	13.38	242.20
	℄ Felton from M.H. #31 to M.H. #34 New Location			
0+03	+95.26 Mash.		14.0	241.6
0+10	+88.26		13.8	241.8
0+35	32+63.26		2.2	253.4
T.P.	13.25	268.27	0.56	255.02
0+50	+48.26		12.6	255.7
1+00	31+98.26		7.9	260.4
1+40	+58.26	PLOTTED	4.4	263.9
1+70	+28.26		1.8	266.5
T.P.	9.54	277.75	0.06	268.21
2+13	30+85.26		9.3	268.5
2+65	+33.26		10.1	267.7
2+90	+08.26		11.1	266.7
3+40	29+58.26		11.9	265.9
3+50	29+51.67		14.0	263.8
3+68 LT = M.H. #34	New Location		1.80	275.95
T.P.	9.75	285.38	2.12	275.63
chk. BM. Hub	M.H. #32		4.32	281.06 = 281.1 Book 13/4

Line ℄ 33rd St Maple to Nutmeg

M.H. #29 to D.E.

BM.	10.54	304.62		294.08
00 = D.E. 40's 0's S. Line Nutmeg St			4.8	299.8
0+50			6.2	298.4
1+00		PLOTTED	8.4	296.2
1+50			12.4	292.2
T.P.	0.60	292.64	12.58	292.04
2+00			8.5	284.1
2+30			13.2	279.4
T.P.	0.23	279.69	13.18	279.46
2+50.40 = M.H. 29			12.1	267.6 = 267.6

Prelim Sewers. old line
12-12-29 Miller

& 33rd St. from D.E. 40' S. of Grape to M.H. #86 & Fir St

Plat Page 20.

S.W. 32nd & Grape

B.M.	1.75	278.71		276.96
T.R	1.76	267.90	12.57	266.14
D.E. 40' S. old line Grape			1.0	266.9
0+50			0.9	267.0
1+00			2.7	265.2
1+30			4.5	261.4
2+00			11.9	256.0
T.P.	0.20	254.92	13.18	254.72
2+50			4.9	250.0
2+85			8.1	246.8
301.58 M.H. #86 & Fir St. = 0+00 M.H. 86 to M.H. 46			8.60	246.32 stub.
0+15			9.2	245.7
0+35			14.0	240.9
T.P.	0.10	242.04	12.98	241.94
0+55			10.8	231.2
0+85			15.1	226.9
T.P.	0.03	228.91	13.16	228.88
1+10			13.8	215.1
1+50			19.0	209.9
1+70			12.6	216.3
2+00			10.2	218.7
2+26			12.7	216.2
T.P.	0.72	216.41	13.22	215.69
2+65			8.9	207.5
2+95			13.1	203.3
T.P.	0.34	203.64	13.09	203.32
3+55			12.2	191.5

PLOTTED

191.47

203.66

39

3+70 Wash		18.5	184.2
3+87 40' = M.H. #46		12.18	191.48 = 191.47
M.H. #46 S. to D.E.			
0+27		13.3	190.4
0+30 Wash		18.0	185.7
0+35 Wash		18.0	185.7
0+60 "		9.8	193.9
0+92		2.0	201.7
T.P.	18.09 216.41	0.34	203.32
1+15 D.E.		7.3	209.1

PLOTTED

Line from M.H. #87 S. to D.E.

Plat Page 20.

BM. Hub M.H. #47	13.13	173.95		160.82
80 = M.H. #87			13.3	169.62
T.P.	12.56	186.10	0.41	173.54
0+25			9.4	176.7
0+50			1.8	184.3
T.P.	13.17	198.89	0.38	185.72
0+75			3.9	195.0
T.P.	12.86	211.40	0.35	198.54
1+01.7 grounded at House			4.9	206.5
1+01.2 F.L. outlet Pipe from House			1.7	209.7

Prelim Sewers — 12-12-29 Miller

Line & Felton from M.H. 47 N. to D.E. 25' S. of Fir St. Plat Page 20

B.M. M.H. 47	13.13	173.95		160.82
4+55.70 = M.H. 47			13.13	160.82
4+30			11.1	162.9
T.P.	12.56	186.10	0.41	173.54
4+00			10.1	176.0
3+57			7.1	179.0
3+42			9.3	176.8
T.P.	13.17	198.89	0.38	185.72
3+35			7.3	191.6
T.P.	12.86	211.40	0.35	198.54
3+15			12.4	199.0
T.P.	12.62	223.95	0.07	211.33
2+85			11.5	212.5
2+60			6.3	217.7
T.P.	12.82	236.73	0.04	223.91
2+00			12.3	224.4
1+50			6.9	229.8
1+00			4.6	232.1
0+50			3.6	233.1
0+00 = D.E. 25' S. S. Line Fir St.			3.8	232.9
chk B.M. Mon S.W. Felton & Fir St			1.33	235.40 = 235.38

PLOTTED

Plat Page 20 — Prelim. Sewers — 12-13-29 Miller

40

and Gregory from M.H. 53 North To D.E. 25' S. of S. Line Date

0+00 = M.H. 53	12.65	182.37		149.72 Page 23
T.P.	12.96	195.00	0.13	182.24
0+32.95 = 9.13' Line Cedar			11.8	183.2
0+44			6.3	188.7
0+60			3.9	191.1
1+00			0.8	194.2
T.P.	12.41	206.86	0.55	194.45
1+30			9.5	197.4
1+40			12.6	194.3
1+75			1.3	205.6
T.P.	13.13	219.73	0.26	206.60
2+10			10.4	209.3
2+65			2.4	217.3
T.P.	12.07	231.67	0.13	219.60
3+20			7.4	224.3
3+35			6.3	225.4
3+41 DE 25' S. of Date St			7.2	224.5
T.P.	1.28	220.43	12.52	219.15
chk B.M. Mon N.W. Felton & Date			7.00	213.43 = 213.37

PLOTTED

Prelim Sewers 12-13-29 Miller

℄ Gregory St. From M.H. #53 S. to DE 40' N. of Beech
Plat Page 20.

0+00 = M.H #53	12.65	182.37		169.72 Page 23
0+9 Wash.			19.7	162.7
0+13			14.8	167.6
0+23			10.5	171.9
0+45			5.1	177.3
T.P.	12.76	195.00	0.13	182.24
0+85			3.2	191.8
T.P.	12.41	206.86	0.55	194.45
1+25			7.7	199.2
1+75			0.9	206.0
T.P.	13.13	219.73	0.26	206.60
2+20			7.8	211.9
2+54 = D.E. 40' N. of Beech St.			5.2	214.5

PLOTTED

Prelim Sewers 12-17-29 Miller

℄ Birch St. Federal Aid From M.H. #57 N. to DE 40 South of Cedar
Plat Page 21

BM Mon	10.28	212.27		201.99 & Ash.
00 = D.E. 40' S. of Cedar			6.7	205.6
0+30			11.3	201.0
T.P.	0.00	199.40	12.87	199.40
0+62			14.6	184.8
T.P.	0.12	186.53	12.99	186.41
0+95 Wash.			6.3	180.2
1+35			2.9	183.6
1+50			5.4	181.1
1+58 to M.H. #57			8.30	178.23 = 178.34 Leyden

PLOTTED

178.34

Prelim Sewers — 12-17-29 — Mill

℄ Gregory from M.H. #58 S. to D.E.
Plat Page 21

Louden. Page 23

BM 0+00 = M.H. #58	12.95	176.18		163.23
0+10 Wash			16.9	159.3
0+35.			8.5	167.7
T.P.	13.00	188.76	0.42	175.76
0+70			10.7	178.1
1+00			5.5	183.3
1+22.71 = 5.13' Line of Ash St.			2.0	186.8
T.P.	9.48	197.90	0.34	188.42
1+73			5.5	192.4
2+00			5.3	192.6
2+50		PLOTTED	3.3	194.6
2+80			2.5	195.4
3+00			3.4	194.5
3+30			5.5	192.4
3+60 = D.E.			8.9	189.0
T.P.	8.40	205.99	0.31	197.59
chk. on B.M. S.N. Felton Ash			3.89	207.10 = 201.99 + Loudens line is 0.11 above this B.M.

Plat Page 21 — Prelim. Sewers — 12-20-29 — Mill

On line 100 E. of E. line Gregory St
from M.H. #59 N. to D.E. 40' S. of Beech St.

42 Stub

0+00 BM M.H. #59	12.83	158.07		145.24
0+40			1.3	156.8
T.P.	13.20	171.11	0.16	157.91
0+60			8.1	163.0
T.P.	13.07	184.18	0.00	171.11
1+09			7.6	176.6
1+20			3.3	180.9
T.P.	12.96	197.09	0.05	184.13
1+60			9.8	187.3
2+06		HOT USED	5.0	192.1
2+50			0.0	197.1
T.P.	11.25	207.56	0.78	196.31
2+99.80 P.E. 40' S. of Beech			6.5	201.1
T.P.			0.91	206.65

Prelim. Sewers #4 12-20-29 mills

℄ Gregory St. from M.H. 58 N. to D.E. 40' S. of Beech St. Plat Page 21.

0+00 = M.H. 38 B.M.	13.24	176.47		163.23
0+5			10.4	166.1
T.P.	12.43	188.76	0.14	176.33
0+35			11.8	177.0
0+60			2.0	186.8
T.P.	12.51	201.17	0.10	188.66
1+00			6.2	195.0
1+25		PLOTTED	0.5	200.7
T.P.	12.77	213.93	0.01	201.16
1+70			3.3	210.6
1+80 31 D.E. 40' S. of Beech St.			0.8	213.1
chks T.P. Page 42			7.29	206.64 = 206.64

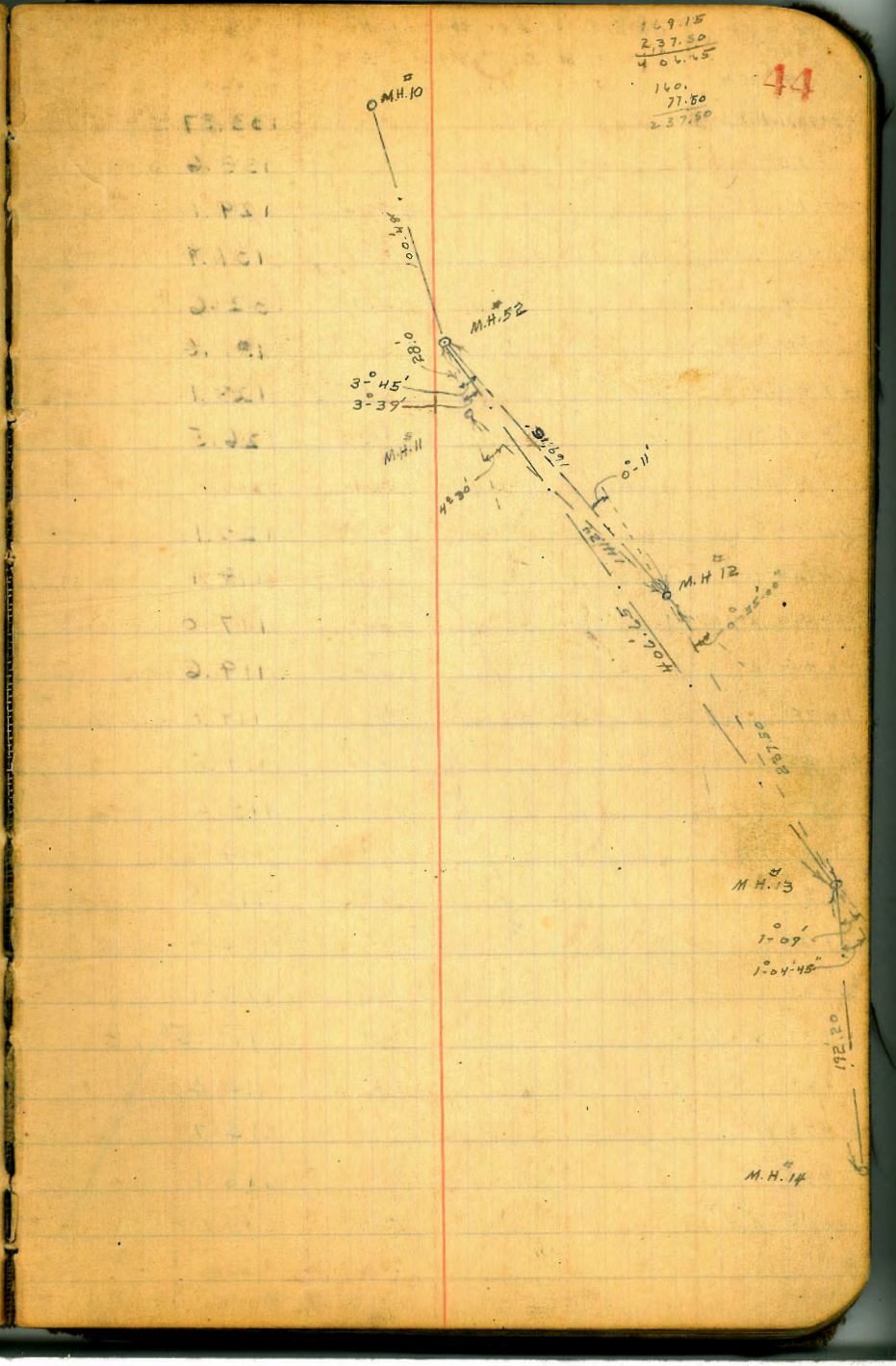
43

Prelim Sewers. From M.H. #12 to M.H. #52 — 12-20-29 Miller

B.M. M.H. #11	1.96	134.66		132.70
M.H. #52 B.M.			0.29	134.37
0+12			1.1	133.6
0+16			5.6	129.1
0+18			2.8	131.9
0+30			2.1	132.6
0+50			3.1	131.6
0+80			6.6	128.1
1+00			8.2	126.5
T.P.	1.68	123.88	12.46	122.20
1+17			3.8	120.1
1+35			4.8	119.1
1+40 Wash			6.9	117.0
1+45			4.3	119.6
1+49.16 M.H. #12			4.12	119.76 = 119.73

PLOTTED

Notes from M.H. #52 to M.H. #13 Page 45



169.15
237.50
406.65

160.
77.50
237.50

Prelim Sewers from M.H. #52 to M.H. #13

12-20-29 mills

B.M. M.H. #11	1.86	134.66		132.70
0+00 M.H. #52			0.29	133.37
0+12			1.1	133.6
0+16			5.6	129.1
0+18			2.8	131.9
0+30			2.1	132.6
0+50			3.1	131.6
0+80			6.6	128.1
1+00			8.2	126.5
T.P.	1.68	123.88	3.46	122.20
1+17			3.8	120.1
1+35			4.8	119.1
1+40 wash			6.9	117.0
1+45			4.3	119.6
1+70			4.1	119.8
1+85			4.4	119.5
2+20			8.5	115.4
1.5 N. of 2+20 wash.			9.3	114.6
2+30			7.1	116.8
2+95			9.0	114.9
3+00			10.8	113.1
3+35 Wash			12.4	111.5
3+37			9.5	114.4
3+70			9.2	114.7
3+85			7.8	116.1
4+06 to M.H. #13			8.99	114.89 = 114.88

NOT USED

Prelim Sewers from Existing M.H. @ Felton & Ivy to M.H. #63 thence to M.H. #6 Plat Page 26

1-2-30 Miller

B.M. B.F. Wall	0.21	255.69		255.48	S.E. Felton & Ivy Sts
T.P.	0.04	242.50	13.23	242.46	
Existing M.H. @ Felton & Ivy sts			17.59	224.91	
T.P.	0.15	229.99	12.66	229.84	
0+00	E. End Existing 6" C.I.P. pipe		7.11	222.88	outlet Flowline
0+00	11' E. of C. line Felton St.		8.0	222.00	Filled ground
T.P.	0.36	217.36	4.99	217.00	
0+17			3.2	214.2	Filled ground
T.P.	0.33	214.69	13.01	204.35	
0+40			5.3	199.4	Natural ground
0+55			5.3	199.2	" "
0+95			13.5	191.2	Wash.
T.P.	2.14	194.24	12.58	192.10	
1+25			6.3	187.9	Wash.
1+55			2.3	191.9	
2+00			4.2	190.0	
2+45			6.8	187.4	
2+79 44 = 0+00 M.H. #63 T.P.	0.02	181.63	12.63	181.61	stub
0+25			4.9	176.7	
0+32			6.4	175.2	Wash
0+34			5.2	176.4	
0+45			6.3	175.3	
0+50			10.4	171.2	Wash
0+60			7.5	174.1	
0+95			9.6	172.0	

ABANDONED LINE IN STREET

181.63

46

1+35			14.6	167.0
T.P.	1.37	169.98	13.02	168.61
1+57			4.9	165.1
1+70			7.9	162.1 Wash
1+76 50 M.H. #6			7.31	162.67 = 162.71

1-18-30 Prelim Sewers

Mills Line from M.H. 14 N.E. To S. Line Ravenna Park

		Plat Page		
0+00 = M.H. 14 B.M.	6.81	116.21		109.40
0+25			8.3	107.9
0+50			7.9	108.3
0+75			8.3	107.9
0+80 Wash			11.3	104.9
0+90			9.7	106.5
1+50			4.9	111.3
1+72		PLOTTED	3.8	112.4
1+73 Wash			6.1	110.1
T.P.	7.90	119.17	4.94	111.27
1+88 Wash			8.6	110.6
1+90			6.0	113.2
2+20			3.5	115.7
2+41.55 stub S. Line Ravenna Park			3.17	116.00
T.P.	4.59	115.78	7.98	111.19
chk M.H. 14			6.38	109.40

Prelim Sewers

Line from M.H. #60 to MH. 60 New Location to M.H. #61 New Location to M.H. Plat Page 5.

1-24-30 Mills

To Ex M.H. & Pennell St.

00 = M.H. #60 B.M.	1.88	117.35		115.47	
0+05 Wash			2.9		
0+19.58 = M.H. 60 New Location = 0+00			0.80	116.55	Δ 39°-53' Lt
sketch shows 19.48'					
0+30			4.4	113.0	
0+65			5.8	111.6	
1+10 Wash			9.3	108.1	
1+60			7.6	109.8	
2+15			10.9	106.5	
T.P.	0.01	104.50	12.86	104.49	
2+35			1.5	103.0	
2+85			4.1	100.4	
3+50			10.4	94.1	
4+03.34 = M.H. #61 New Location = 0+00			10.00	94.50	Δ 45°-05' Lt.
T.P.	0.13	91.67	12.96	91.54	
0+15 Wash			1.6	90.1	
0+70			1.7	90.0	
1+15			5.3	86.4	
1+33			4.4	87.3	
1+60			8.7	83.0	
2+00			10.4	81.3	
2+50			13.0	78.7	
T.P.	2.8±	81.26	13.23	78.44	
2+79.88 = stub on N. line RL. 11.51			3.41	77.85	
3+11.88 M.H.	22.60 N of P.L. = 0+00		3.70	77.56	Δ 43°-30'-30" Rt.
0+50			4.2	77.1	
1+00			4.7	76.6	

PLOTTED

81.26

48

1+40	5.5	75.8
1+55	7.1	74.2
1+95	7.3	74.0
2+05 W. side River	10.1	71.2
2+23	10.9	70.4
2+30	9.9	71.4
2+86 Existing M.H. ground	10.2	71.1
2+80 " " T.P. on rim	9.53	71.73 = 71.77 Page 22.

PLOTTED

Prelim Sewers
Bet. M.H. #32 & M.H. #34 New Location
at Nutmeg & Felton.
Plat Page 37.

2-28-30
Mills

B.M. M.H. #32 N. Line Nutmeg	0.95	282.01		281.06	old location
28+18.75					13' N. of M.H. #32 old location
0+00 = M.H. #32 New Location			10.07	271.94	
0+17	+35.75		1.0	281.0	
	+58.35				
0+39½ N. of Nutmeg			2.07	279.94	
0+39½ " gutter "		PLOTTED	2.9	279.1	
0+65	+83.75		3.3	278.7	
0+85	29+03.75		5.2	276.8	
1+00	+18.75		4.4	277.6	
T.P.	4.31	275.09	11.23	270.78	
29+51.62					22'S. of M.H. #34 old Location
1+32.87 M.H. #34 New Location & Felton			11.00	264.09	

Preliminary Sewer Levels
& Ivy east of Pentucket

Miller
3-19-30

49

	+	⊼	-	Elev.	
0+00	11.28	267.87		256.59	B.M.
0+21			11.0	256.9	
0+31			8.0	259.9	
0+70		PLOTTED	4.3	263.6	
1+00			2.7	265.2	
1+25			2.2	265.7	
1+45.79 Dead End			2.8	265.1	

Copied by H.C.M.
check + double check G.R.H. 3/20/30

Prelim Sewers

8-6-30
Miller
Sommermeyer
Pierce

from M.H. #60 West to & Gregory Produced South
Thence North Plat Page 21

New 00=M.H. 60 location	BM 13.25	129.80		116.55	Page 48.
0+15			10.1	119.7	
0+45			5.3	124.5	
10' N. of 0+45	In wash		11.2	118.6	
0+75	" "		5.2	124.6	
0+82	" "		4.4	125.4	
T.P.	12.83	142.17	0.46	129.34	
0+96			14.3	127.9	
2' S. of 0+96	In wash.		15.5	126.7	
1+31			6.6	135.6	
TP	13.27	152.92	2.52	139.65	
1+65			11.3	141.6	
7' S. of 1+65	In wash		14.4	138.5	
1+95 62 M.H.	60-00		8.70	144.22	on Hub
5' S of Ctr MH	In wash		11.4	141.5	
0+11	wash.		8.4	144.5	
0+25			5.0	147.9	
0+40	Wash.		4.5	148.4	
T.P.	12.88	164.77	1.03	151.89	
0+65			10.2	154.6	
5' N. of 0+65	In wash.		13.5	151.3	
0+88	" "		7.6	157.2	
T.P.	13.16	177.55	0.38	164.39	
1+10			12.4	165.2	
00=1+33 07 M.H.	& Ast & Gregory Produced		7.43	170.12	
0+15			7.4	170.2	

177.55

0+45				5.3	172.3
0+75				1.5	176.1
T.P.	13.27	190.86		0.16	177.39
1+00				11.3	179.6
1+35				7.1	183.8
1+65				4.1	186.8
1+80 ex D.E.	& Gregory 210' S. of Ash St		Page 42	1.9	189.0 ✓

Prelim Sewers

℄ A St. from M.H. ℄ Gregory West

Plat Page 21

8-7-30 Mills Sommermeyer Pierce

B.M. MH ℄ A St. ℄ Gregory	12.28	182.40		170.12	Page 50
0+35			6.7	175.7	
0+70			2.3	180.1	
T.P.	12.73	194.95	0.18	182.22	
1+00			10.0	185.0	
1+55			4.7	190.3	
2+00			5.4	189.6	
2+35			8.6	186.4	
2+90 ± Existing M.H. ℄ Felton			14.0	181.0	ground

Prelim. Sewers.

℄ 34th St from M.H. N. of A S. to DE

Plat Page 21

51

B.M. MH 60	12.70	129.25	116.55 New Location
T.P.	13.11	142.29	0.07 129.18
00=Hub M.H. 101.14 W. of M.H 60			13.19 129.10
0+03. Inwash			15.1 127.2
0+14.20 N. Line A St.			8.0 134.3
T.P.	12.21	154.39	0.11 142.18
0+54.20 ℄ A. St.			3.23 151.16 on Hub
T.P.	12.85	167.17	0.07 154.32
0+94.20 = S. Line A St.			2.7 164.5
T.P.	12.61	179.31	0.27 166.90
1+25			9.3 170.2
1+50			5.2 174.3
1+75			2.1 177.4
Chk M.H. ℄s. A+ Gregory			9.38 170.13=170.12
T.P.	9.90	188.77	0.64 178.87
2+10			8.0 180.8
2+44.20 ℄ E+W Alley			4.5 184.3
3+00			3.4 185.4
3+35			6.0 182.8

Relocation Preliminary Sewer Line
M.H. #48 to M.H. #50 Eliminating M.H #49
Page 20.

8-31
miller
Walker
Bliss

52

T.P. Stub M.H. #48 = 0+00	4.65	156.12		151.47	
0+05	Wash		6.1		
0+20			3.3		
0+50			5.2		
0+65			4.7		
0+87			6.3		
1+00			7.6		
1+25			9.8		
1+50			9.4		
1+65			11.1		
1+75			13.3		
T.P.	3.66	147.27	12.51	143.61	
1+88			8.1		
1+92	wash.		10.0		
2+12	"		11.3		
2+16			9.6		
2+25			9.8		
2+35			10.7		
2+37	Wash		13.0		
2+41			11.2		
2+50			10.5		
2+63			9.2		
2+75			9.7		
2+81.77. stub	M.H. #50		8.52	138.75 = 138.73	Page 25.

50 wide
10' cls
7.5 "4s

Pepper Drive X Sec. 10-30-30 Miller

Tuberose to Alhambra Park

B.M. S.W. P.C. Hub	9.95	288.63	278.68	Violet & Pepper

W. Line Tuberose on Curve

N. at N.W. Cor	5.4	283.2
cl	5.1	283.5
+1	5.4	283.2
1/4	5.5	283.1
℄	5.0	283.6
+2	4.8	283.8
3/4	5.4	283.2
cl	4.8	283.8
S. at S.W. Cor	4.8	283.8

26' W. on N. = 90° 00' from S.W. Cor

S. at S.W. cor	4.8	283.8
cl	4.5	284.1
+5	5.0	283.6
1/4	4.6	284.0
℄	4.3	284.3
1/4	4.8	283.8
+5	3.8	284.8
cl	3.6	285.0
N.	3.5	285.1

0+25 W

N	2.8	285.8
cl	3.2	285.4
+2	3.2	285.2
+4	4.1	284.5

Plotted 11/5-1930 GBH

288.63

1/4	3.8	284.8
℄	3.4	285.2
1/4	4.1	284.5
+2	4.2	284.4
+4	3.5	285.1
cl	3.6	2850
S	3.6	285.0

0+50 W.

S	3.0	285.6
cl	2.7	285.9
+3	2.7	285.9
+4	3.6	2850
1/4	3.5	285.1
℄	3.0	285.6
1/4	3.4	285.2
+5	2.4	286.2
cl	2.1	286.5
N	2.0	286.6

0+75 W

N	2.3	286.3
cl	2.3	286.3
+2	2.4	286.2
1/4	3.4	285.2
℄	2.9	2857
1/4	3.3	285.3
+3	3.1	285.5

288.63

0+75 W (cont)

+4	1.8	286.8
cb	2.0	286.6
S	2.4	286.2

1+00 W

S	2.2	286.4
cb	2.3	286.3
+3	2.3	286.3
+4	3.3	285.3
1/4	3.4	285.2
℄	2.8	285.8
1/4	3.3	285.3
cb	2.5	286.1
N	2.2	286.4

1+03.7

N. on ℄ cmt walk	2.2	286.4

1+25 W

N.	2.7	285.9
cb	2.8	285.8
1/4	3.2	285.4
℄	2.9	285.7
1/4	3.4	285.2
+3	3.3	285.3
+5	2.3	286.3
cb	2.4	286.2
S.	2.3	286.3

288.63 Pepper Dr. 54

1+50 W

S	2.4	285.8
cb	2.7	285.9
+2	2.7	285.9
+4	3.8	284.8
1/4	3.8	284.8
℄	3.3	285.3
1/4	3.7	284.9
+4	3.7	284.9
cb	3.0	285.6
N	3.0	285.6

1+75 W

N	3.5	285.1
cb	3.8	284.8
1/4	4.2	284.4
℄	3.7	284.9
1/4	4.3	284.3
+3	4.3	284.3
+5	3.5	285.1
cb	3.5	285.1
S	3.6	285.0

2+06 W

S	3.7	284.9
cb	3.6	285.0
+3	3.7	284.9
+5	4.7	283.9
1/5	4.7	283.9

288.63

2+06 W

℄	4.2	284.4
1.4	4.2	284.4
+3	4.8	283.8
cl	3.9	284.7
N	3.8	284.8
2+12 ℄ cmt. drive ons		
N	4.8	283.8
cl	4.9	283.7
1.4	5.0	283.6
℄	4.3	284.3
1.4	4.8	283.8
cl	4.3	284.3
S.	4.2	284.4
S +0.4 = N. end drive	4.20	284.43
2+40		
S.	4.4	284.2
+2	4.9	283.7
cl	4.9	283.7
+4	5.6	283.0
1.4	5.4	283.2
℄	4.9	283.7
4.4	5.4	283.2
+3	5.5	283.1
+4	4.5	284.1
cl	4.5	284.1
N	4.6	2840

288.63 Pepper Dr

55

2+55

N.	5.2	283.4
d.	5.3	283.3
+3	5.4	283.2
+5	5.8	2828
1.4	5.7	282.9
℄	5.2	283.4
1.4	5.7	282.9
+4	5.8	282.8
+5	5.5	283.1
cl	5.4	283.2
S.	5.4	283.2
2+75 W		
S.	4.9	283.7
cl	5.2	283.4
+2	5.3	283.3
+3	6.1	2825
1.4	4.9	2837
℄	5.4	2832
4.4	6.0	282.6
+4	6.0	282.6
+5	5.6	283.0
cl	5.5	283.1
N	5.4	283.2
2+96.5		
Acacia Tree 4" Diam	8.5 S. of N. Line	

288.63

3+00 W

N.	5.3	283 3
cl.	5.4	283 2
+2	5.4	283 2
+5	6.4	282 2
1/4	6.3	282 3
℄	5.8	282 8
1/4	6.4	282 2
+3	6.5	282.1
+5	6.1	282 5
cl	6.2	282 4
S.	6.0	282 6

3+07.5 W

Acacia Tree 4" Diam 8.5 S. of N. Line

3+20 W

Acacia Tree 3" Diam 8.5 S. of N. Line

3+50 W

S	7.0	281 6
cl	6.9	281.7
+5	7.3	281.3
1/4	7.1	281.5
℄	6.5	282 1
1/4	7.0	281 6
+3	6.9	281 7
+5	6 3	282 3
cl	6.1	282 5
N.	6.0	282 6

288.63

3+75 W.

Pepper Dr

56

N.	6.5	282.1
cl	6.6	2820
+3	6.7	281.9
+5	7.2	281.4
1/4	7.2	281.4
℄	6.8	281.8
1/4	7.3	281.3
+3	7.4	281.2
+5	6.8	2818
S.	6.9	281.7

4+08.64 = E. Line Violet.

S.	7.9	2807
cl	7.9	2807
1/4	8.3	2803
℄	7.6	2810
1/4	7.7	2809
cl	7.3	281.3
N.	7.0	281.6

T.P. 2.68 281.36 9.95 278.68

W. Line Violet

S. on P.C. 20' Rad curve	2.7	278.7
21.78 N. & P.I. 20' Rad curve	1.7	279.7 = S. Line Pepper
S+5	1.7	279.7
S+6	2.7	278.7
S. cl	2.7	278.7
1/4	2.5	278.9

281.36

2459
2295

℄	2.3	279.1
N. ¼	2.2	279.2
N. el Line Produced	2.4	279.0
N. Line = P.I. 50' Rad Curve	2.6	278.8
22.95 N.	1.9	279.5
45.90 N = P.C. 50' Rad. Curve	1.9	279.5
21.78 W. on S. Line = P.C. 20' Rad Curve on S. Sec at 90°00		
4.' N. of N. Line Produced East	2.5	278.9 on 50' Rad Curve
N. Line produced	2.7	278.7
el	2.8	278.6
+ 2	3.4	278.0
¼	3.0	278.4
℄	2.8	278.6
¼	3.3	278.1
+ 5	3.5	277.9
el	2.9	278.5
S. on E. C. 20' Rad. Curve	2.9	278.5
0+00 = 19.86 W. = P.C. 50' Rad Curve on N.		
S.	3.0	278.4
el	2.5	278.9
+ 2	2.5	278.9
+ 4	3.7	277.7
¼	3.4	278.0
℄	3.3	278.1
¼	3.5	277.9
+ 3	3.8	277.6
+ 5	3.2	278.2

281.36

Pepper Dr

57

el	3.2	278.2
N. on P.C. 50' Rad Curve	3.4	278.0
0+25 W		
N	4.4	277.0
el	3.8	277.6
+ 3	4.1	277.3
+ 5	4.4	277.0
¼	4.1	277.3
℄	3.8	277.6
¼	4.2	277.2
el	4.1	277.3
S	4.1	277.3
0+50 W.		
S.	4.5	276.9
el	4.4	277.0
+ 2	4.4	277.0
+ 3	4.8	276.6
¼	4.6	276.8
℄	4.3	277.1
¼	5.0	276.4
+ 3	4.4	277.0
el	4.4	277.0
N.	5.0	276.4

1+00 W.

N.	5.8	275.6
℄	5.6	275.8
+5	5.8	275.6
¼	6.3	275.1
℄	5.5	275.9
¼	5.7	275.7
+4	6.1	275.3
+5	5.3	276.1
℄	5.0	276.4
S.	5.1	276.3

1+40 65 W. = P.C. NL.A 212.74 } Δ = 30°-55° } 4-Parts

S.	6.4	275.0
℄	6.3	275.0
+2	6.5	274.9
+4	7.3	274.1
¼	7.0	274.4
℄	6.8	274.6
¼	7.5	273.9
+3	7.1	274.3
℄	7.1	274.3
N.	7.5	273.9

Sec # 1 Δ 7°-43'-45"

N-5	9.4	272.0
N.	9.0	272.4
℄	8.5	272.9
+6	8.2	273.2

¼	8.8	272.6
℄	8.4	273.0
¼	8.3	273.1
+4	8.6	272.8
+5	7.9	273.5
℄	7.9	273.5
S.	7.7	273.7

Sec # 2 Δ 15°-27'-30"

S	8.9	272.5
℄	10.0	271.4
+2	9.1	272.3
+3	9.9	271.5
¼	9.6	271.8
℄	9.7	271.7
+5	10.2	271.2
¼	9.9	271.5
℄	10.3	271.1
N	10.8	270.6
+5	11.2	270.2

Sec # 3 Δ = 23°-11°-15'

-5	12.1	269.3
N	11.7	269.7
℄	11.3	270.1
¼	11.1	270.3
℄	10.8	270.6
+3	10.6	270.8

Sec #3 (con)

S. 1/4			10.9	270.5	
+3			11.1	270.3	
+4			10.5	270.9	
el			10.3	270.1	
S.			10.3	270.1	
0+00 = Sec #4 = P.T.C. Δ 30°-55'					
S.			11.4	270.0	
el			11.6	269.8	
1/4			11.6	269.8	
℄			11.5	269.9	
1/4			11.9	269.5	
+5			11.7	269.7	
el			12.0	269.4	
N.			12.6	268.8	
+5			12.9	268.5	
T.P.	3.62	272.30	12.68	268.68	P.T. Hub N. Line

This curve divided 6. Parts N. Line Δ 6°00' R=3000'.

Sec #1 Δ 1°-00'

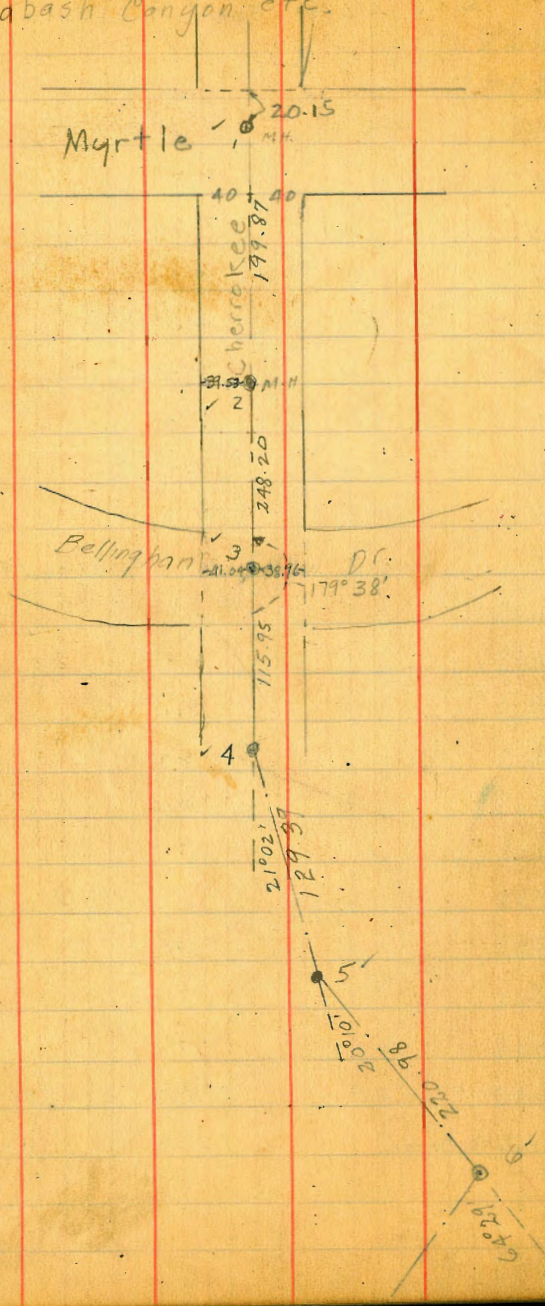
N-5		3.7	268.6
N		3.6	268.7
el		3.5	268.8
+3		3.4	268.9
1/4		3.6	268.7
℄		3.4	268.9
1/4		3.3	269.0
el		2.6	269.7

S		2.7	269.6
Sec #2	Δ 2°-00'		
S		3.6	268.7
el		3.7	268.6
1/4		3.8	268.5
+3		4.1	268.2
℄		3.7	268.6
1/4		3.7	268.6
+4		4.1	268.2
el		3.4	268.9
N		3.5	268.8
+5		3.7	268.6
Sec #3	Δ 3°-00'-30"		
-5		5.3	267.0
N		5.1	267.2
el		4.9	267.4
+2		5.4	266.9
1/4		4.9	267.4
+4		4.7	267.6
℄		5.0	267.3
1/4		4.9	267.4
el		4.7	267.6
S		5.0	267.3

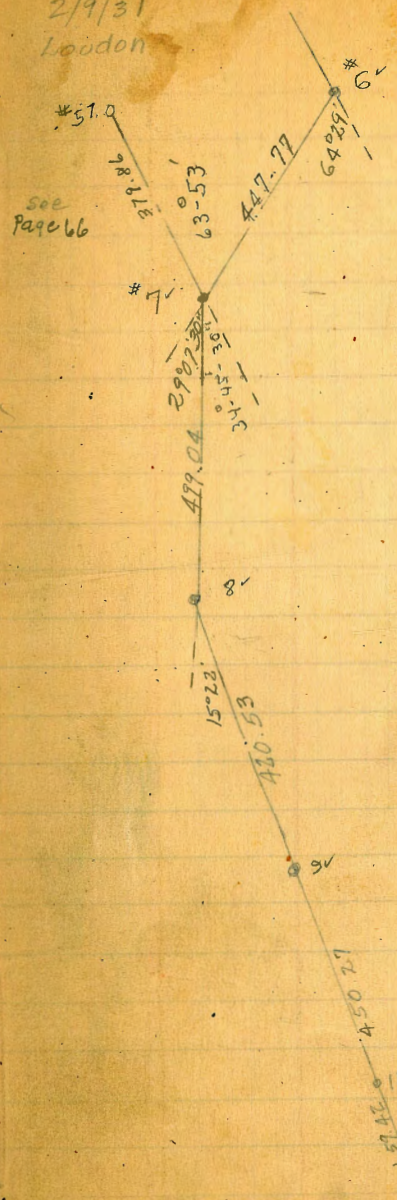
	272.30		
	Sec 4	Δ 4°-00'-30"	
S		6.2	266.1
℄		6.5	265.8
1/4		6.4	265.9
℄		6.4	265.9
+3		6.1	266.2
1/4		6.5	265.8
+4		6.8	265.5
+4		6.3	266.0
℄		6.3	266.0
N		6.9	265.4
+5		7.2	265.1
	Sec 5	Δ 5°-01'	
-5		9.1	263.2
N		8.6	263.7
℄		7.8	264.5
+1		7.6	264.7
+3		8.0	264.3
1/4		7.3	265.0
+5		7.1	265.2
℄		7.3	265.0
1/4		7.3	265.0
℄		7.5	264.8
S.		7.5	264.8

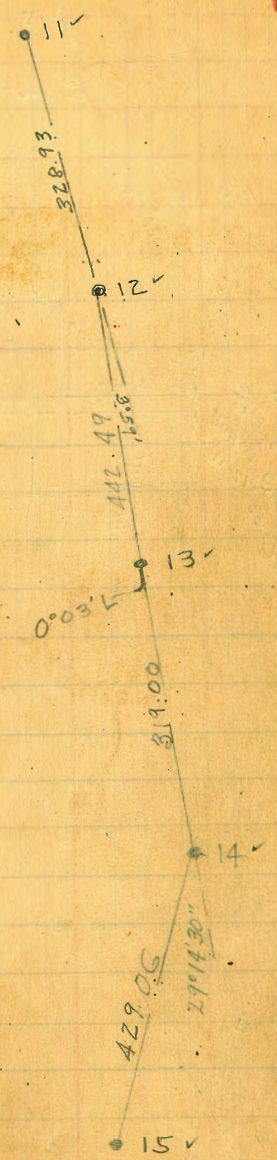
	272.30	Pepper Dr	60
	Sec 6 Δ 6°-01' = Azalea Park on N. Line		
S		7.4	264.9
℄		7.6	264.7
+6		7.7	264.6
1/4		8.0	264.3
℄		7.6	264.7
1/4		8.1	264.2
+5		8.4	263.9
+6		8.2	264.1
℄		8.5	263.8
N		9.2	263.1
N+5		9.5	262.8
	Sec 7 Δ 6°-15' = Azalea Park on S. Line		
-5		9.4	262.9
N		8.9	263.4
℄		8.1	264.2
+2		8.2	264.1
1/4		8.0	264.3
℄		7.7	264.6
1/4		8.0	264.3
+3		7.4	264.9
℄		7.4	264.9
S.		7.0	265.3
T.P.	10.58	281.01	1.87 270.43
Chk B.M. S.W. pc. Violet & Pepper.			2.33 278.68 ✓

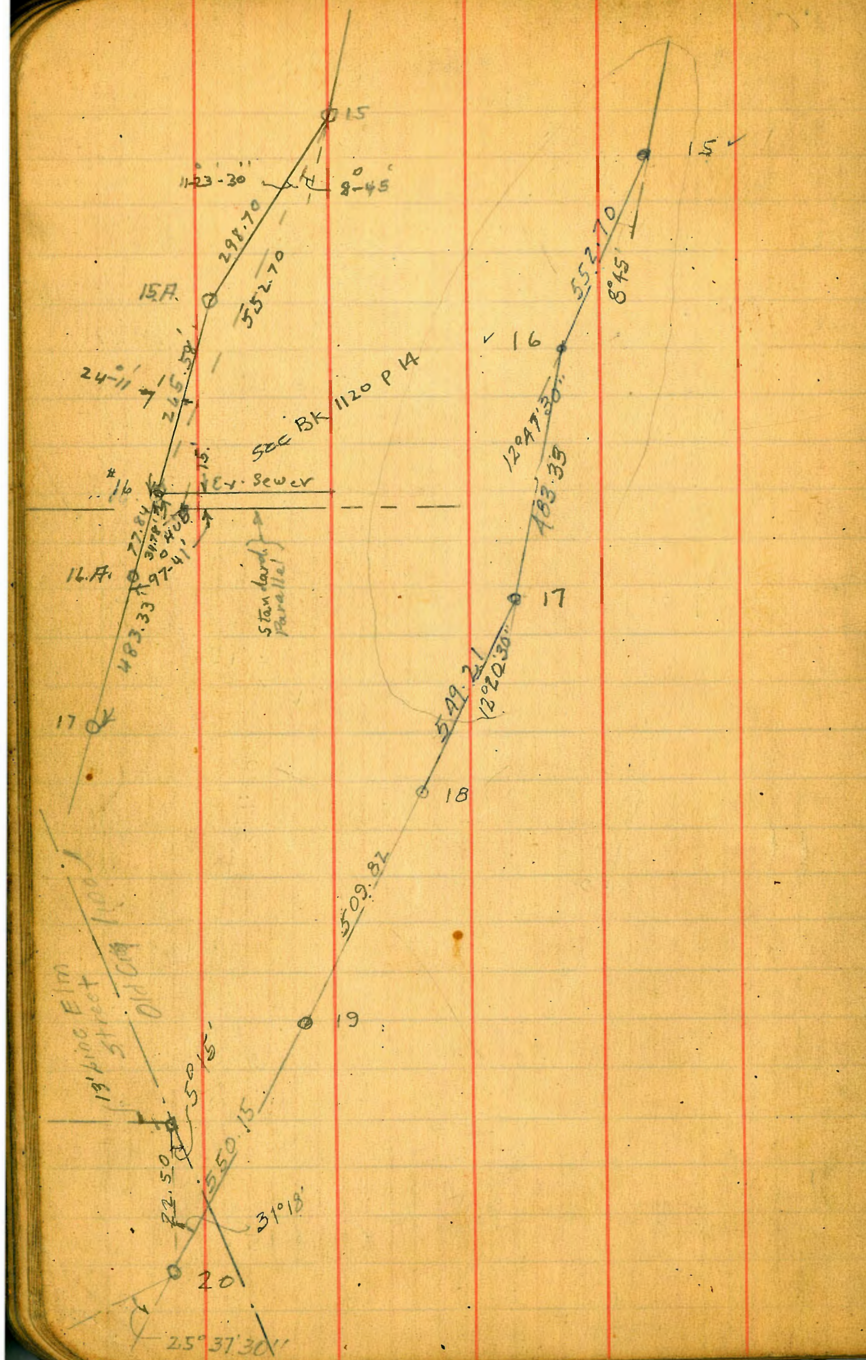
Location of Existing Sewer Manholes in Wabash Canyon etc.

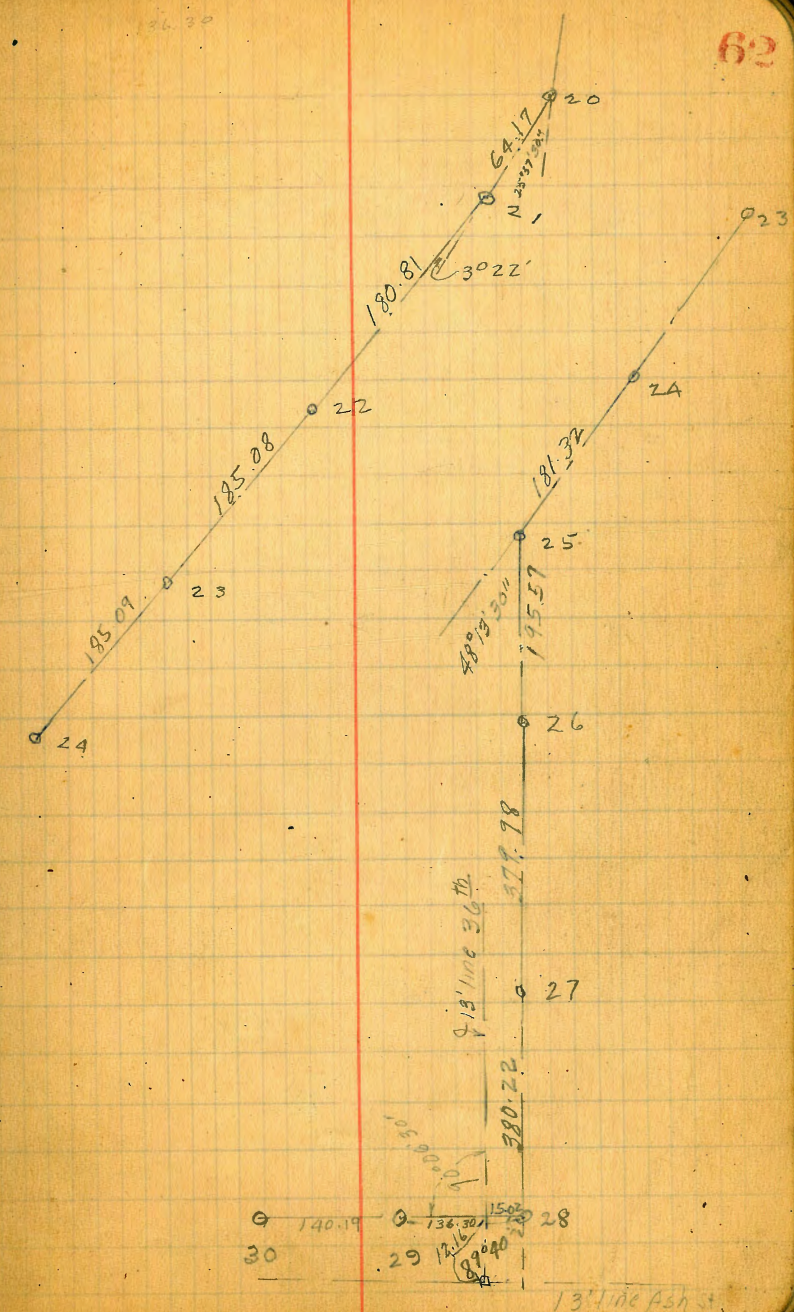


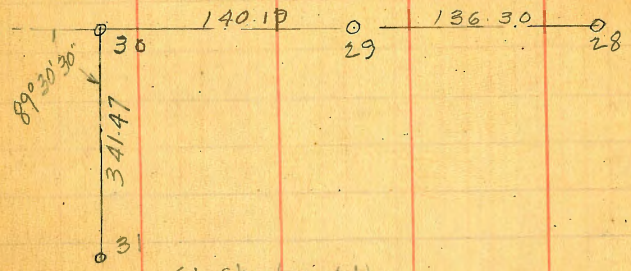
2/9/31
Loodon

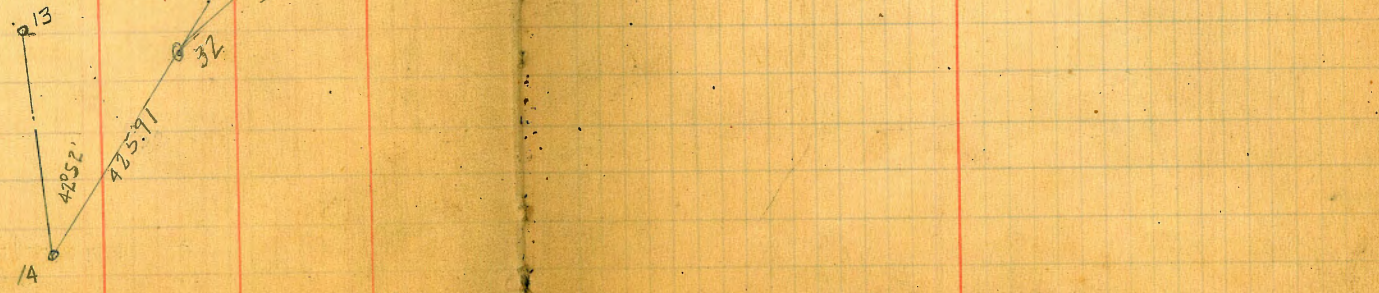


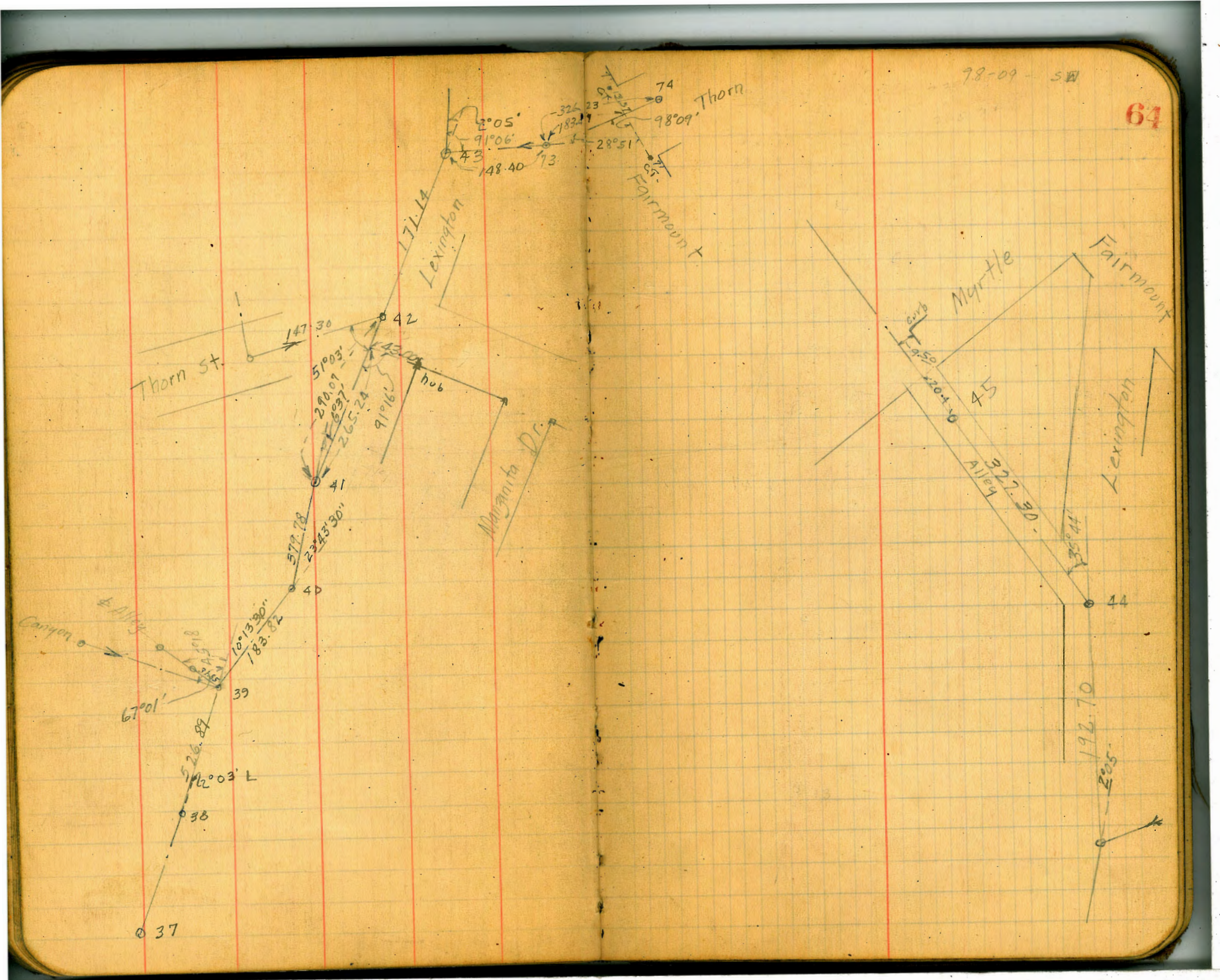


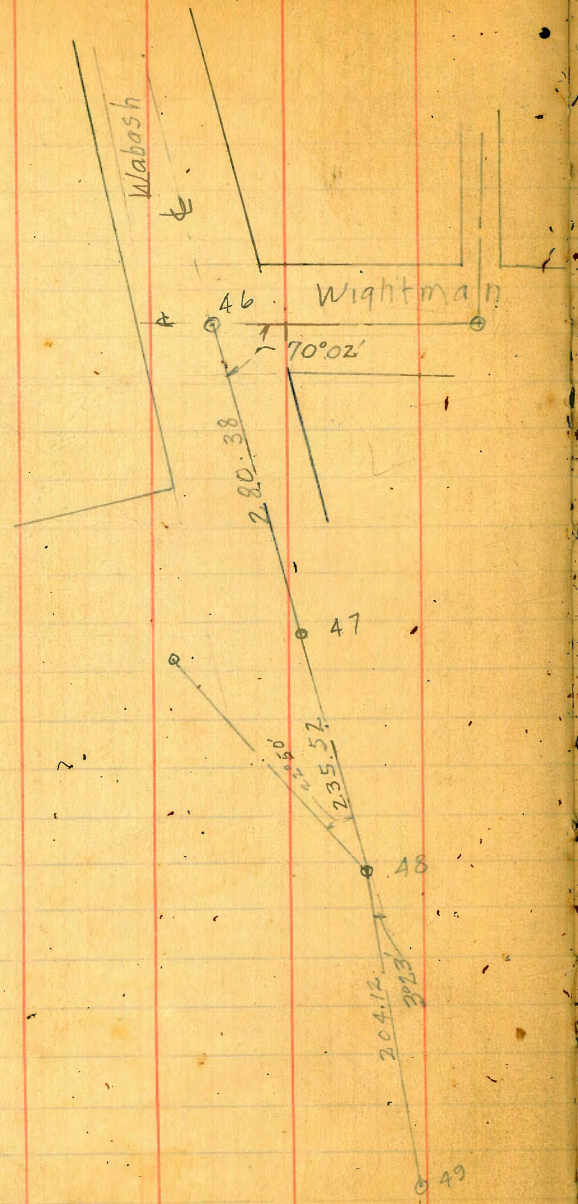

15
11-23-30''
8-45
298.70
552.70
15A.
24-11
245.58
Sec BK 1120 P 14
#16
Ex. Sewer
77.84
97-41'
16.A.
483.33
Standard Parallel
17
13' line Elm Street
Old City Line
50.15
22.50
550.15
31°18'
20
25° 37' 30''
15
552.70
8°45'
16
12°49'30''
483.33
17
549.21
12°20'30''
18
509.82
19

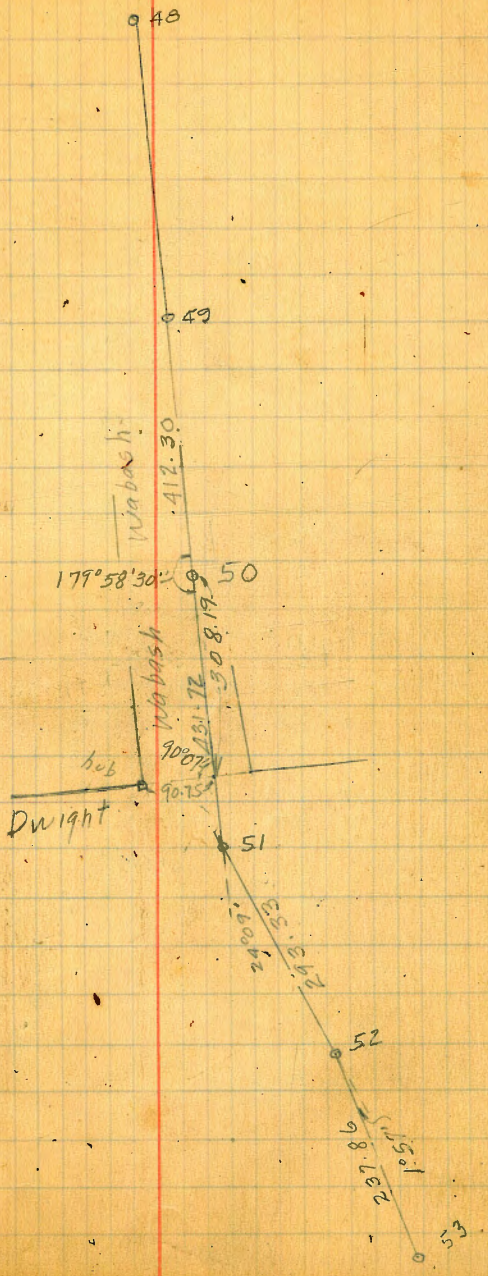

20
64.17
3°22'
180.81
22
185.08
23
185.09
24
23
24
181.32
25
48°19'30''
195.57
26
377.98
13' line 36th
27
380.22
28
140.19
136.30
30
29
89°40'
13' line Ash St.

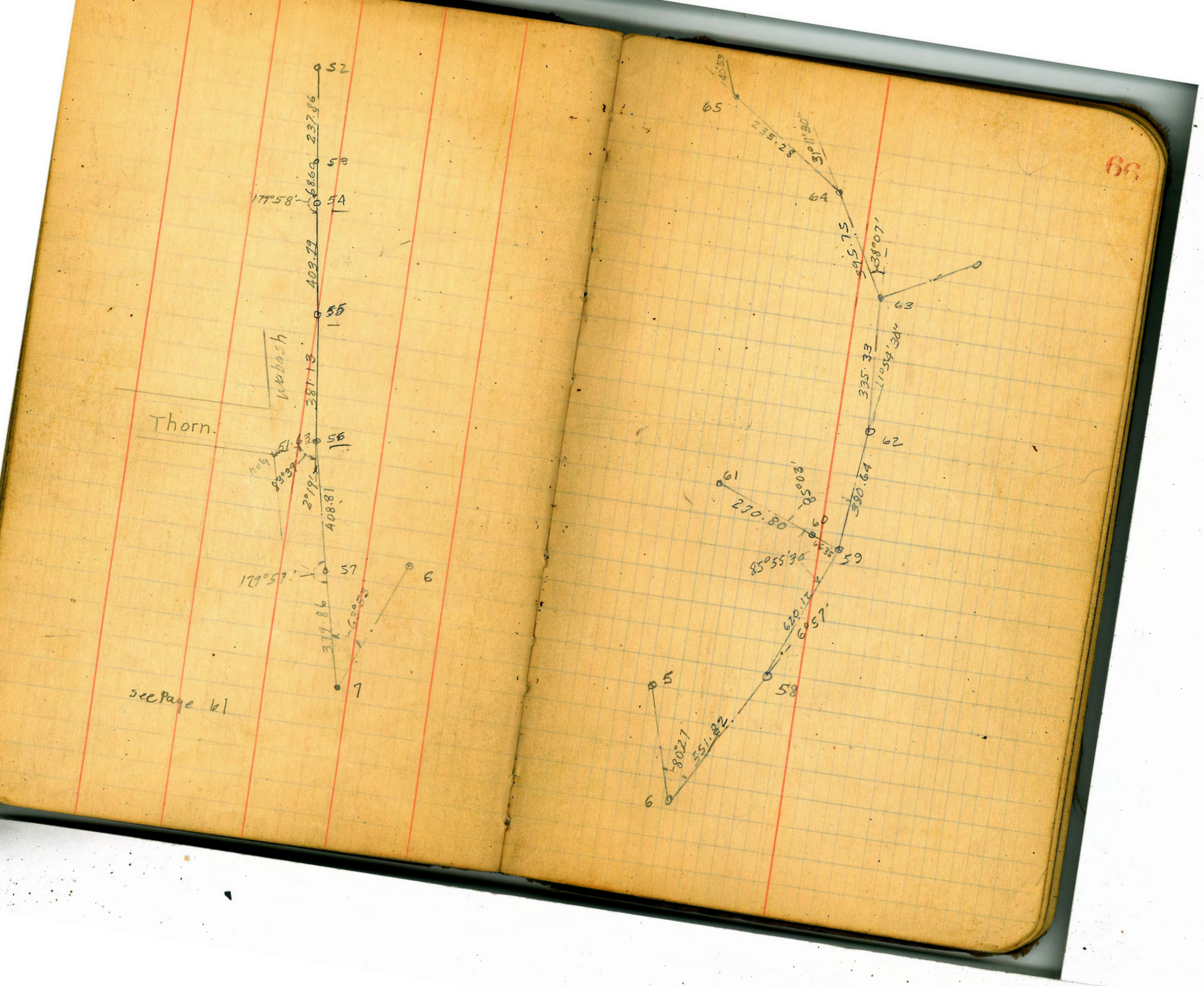

140.10
136.3.0
30
29
28
89°30'30"
341.47
31
S.L. Choates Add.

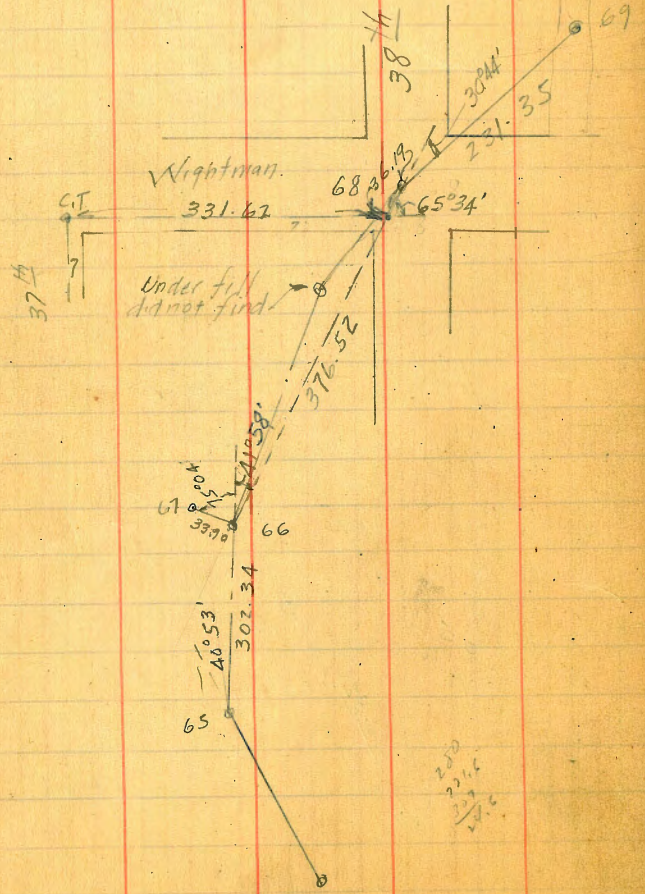

13
14
42052'
425.91
15°26'
530.84
32
33
87°52'
467.54
34
88°49'30"
431.90
Lexington
Hob
1.34
Central
83.10
35
12°42'
568.50
36
2°03'
234.67
37
16°04'30"
38°13'
119.44
191.00
38

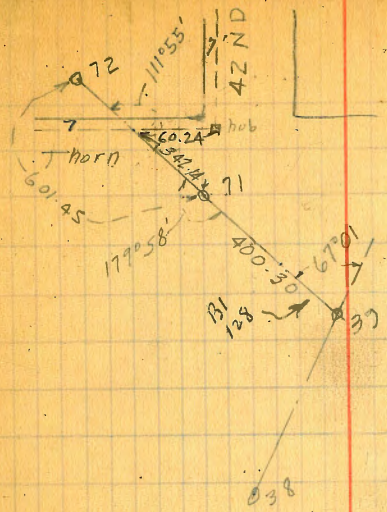

74
98°09'
Thorn
-326.23
1874
28°51'
65
Fairmont
2°05'
91°06'
43
48.40
73
171.14
Lexington
Thorn St.
147.30
42
5°03'
290.01
637'
265.24
91°16'
hub
41
Margarita Dr.
579.18
23°43'30"
40
Canyon
4 Alley
10°13'30"
183.82
67°01'
39
526.82
72°03' L
38
37
Myrtle
curb
49.50
204.40
45
322.30
Alley
Fairmont
Lexington
44
192.70
205.

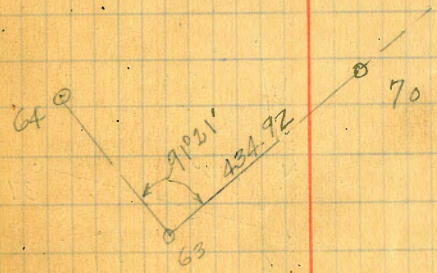

Wabash
Wightman
46
70°02'
280.38
47
235.57
48
204.12
49

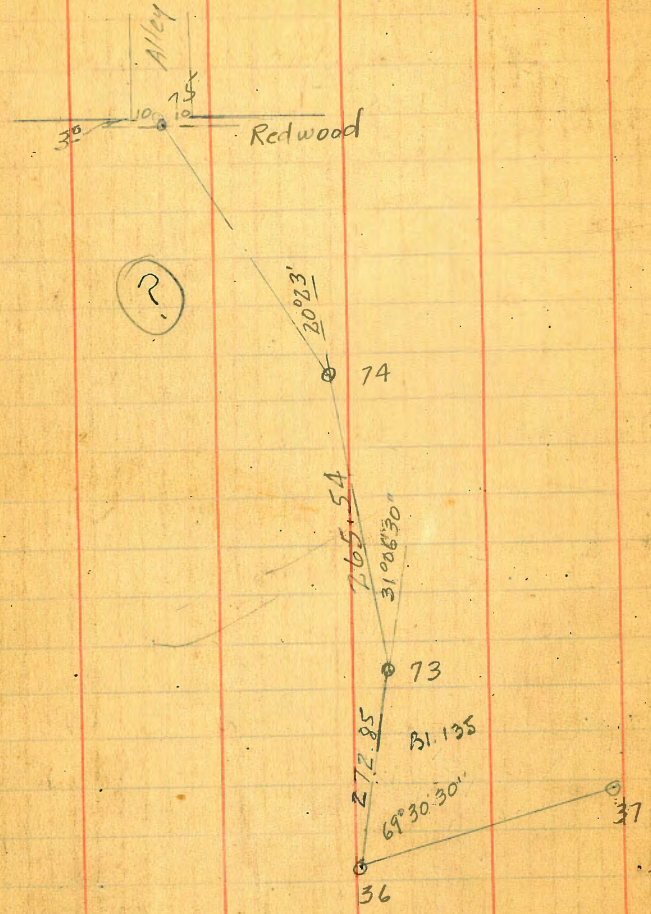

48
49
412.30
Wabash
179°58'30"
50
308.19
Wabash
90°07'
90°15'
Dwight
51
240.93
52
237.86
1°51'
53

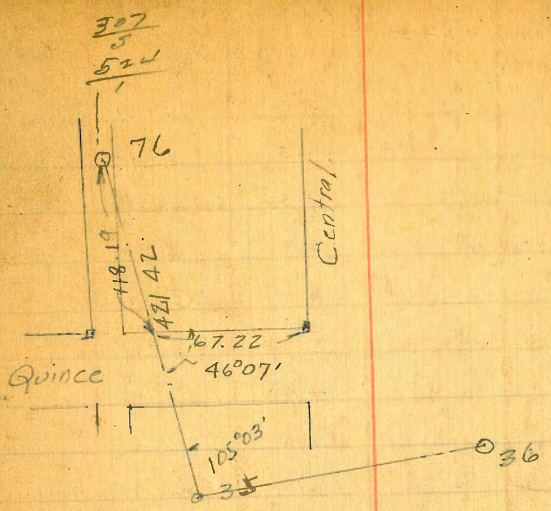

52
237.86
53
179°58'
54
403.77
55
381.13
Wabash
Thorn.
56
51.63
53°39'
2°19'
408.81
179°57'
57
379.86
6°30'
6
7
see Page 61
65
40°59'
235.28
31°11'30"
64
495.75
138°07'
63
335.33
110°54'30"
62
61
270.80
0°00'
60
0°53'
85°55'30"
59
330.64
630.12
6°57'
58
5
551.82
80°27'
6


69
38
Wrightman
331.62
68°36'
65°34'
C.T.
37
Under fill
did not find
376.52
67
66
65
302.34
40°53'


72
111°55'
42 N.D.
60.24
hob
horn
71
60.45
177°58'
400.30
67°01'
B1
128
39
38


64
70
91°21'
454.72
63


Alley
14
10
10
Redwood
?
200.23'
74
265.54
31°06'30"
73
272.85
Bl. 135
69°30'30"
37
36


307
5
5
76
Central
418.19
142.42
167.22
46°07'
Quince
105°03'
36

Relocation Main Line
From M.H. #52 South.

5-7-31.
Miller
Scrimgeour
Osborne

0+00 = M.H #32 B.M.	0.68	133.05		134.37	Page 44
0+24			2.5	132.6	
0+29			9.3	125.8	Wash
0+32			5.5	129.6	
0+45			4.4	130.7	
0+80			7.7	127.4	
1+07			11.1	124.0	
1+13			16.0	119.1	wash.
1+26			16.1	119.0	Wash.
1+28			12.0	125.1	
1+66.82 M.H #X.1 ℄ W Haley at P.C.		9-23-30" R.T.	6.67	128.38	on Hub
0+40			1.5	134.6	
T.P.	12.37	147.13	0.49	134.56	
0+80			9.0	138.1	
20' W. of 0+80			17.6	129.5	
1+20			14.1	143.0	
20' W. of 1+20			11.0	136.1	
1+60			1.0	146.1	
20' W. of 1+60			8.9	138.2	
1+85			1.2	145.9	
20' W. of 1+85			9.3	137.8	
2+10			0.2	146.9	
20' W. of 2+10			6.9	140.2	
2+25			3.3	143.8	
20' W. of 2+25			6.7	140.4	

Plotted

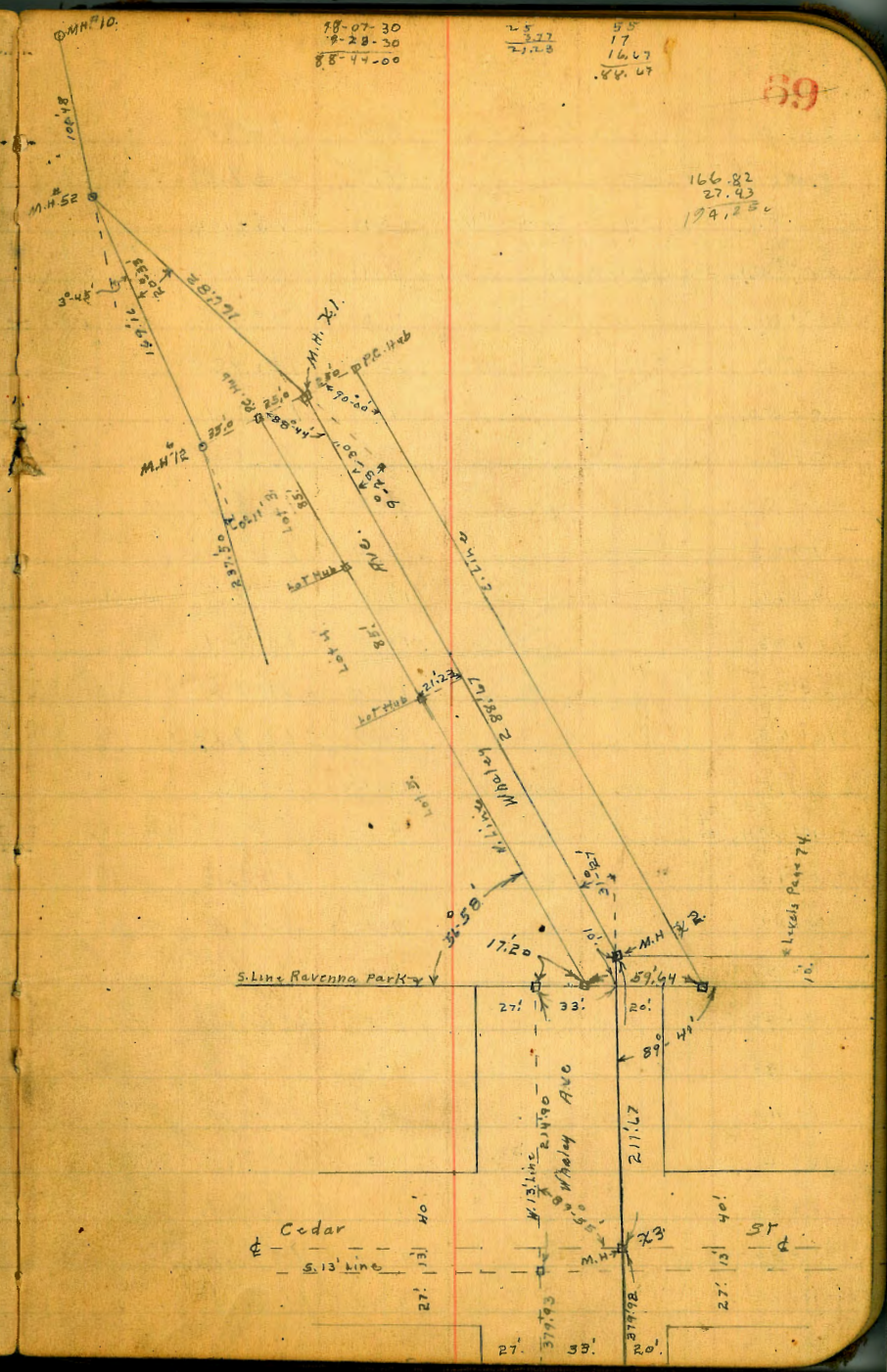
98-07-30
8-28-30
88-44-00

25
3.27
21.28

55
17
16.67
88.67

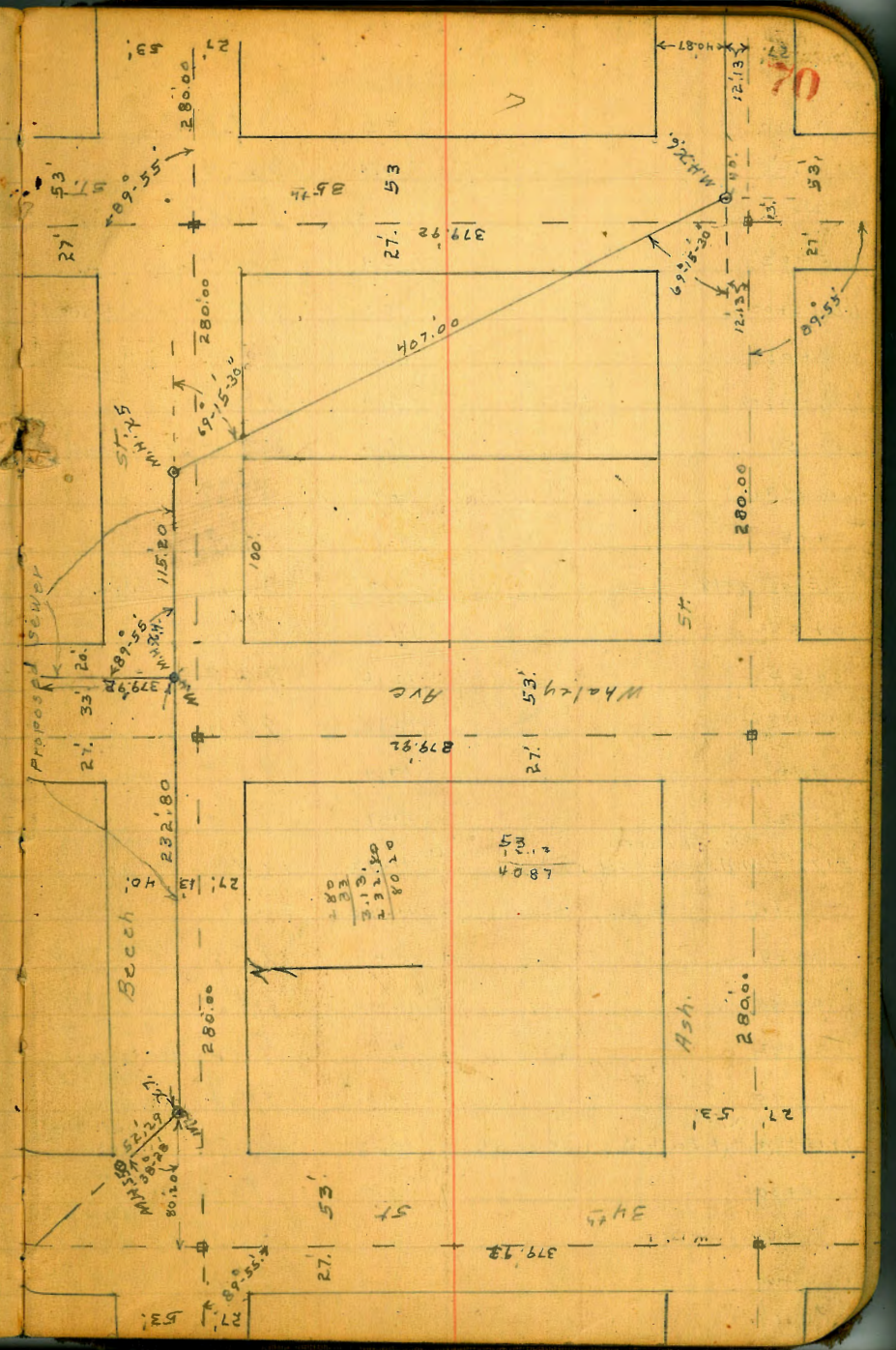
89

166.82
27.43
194.25



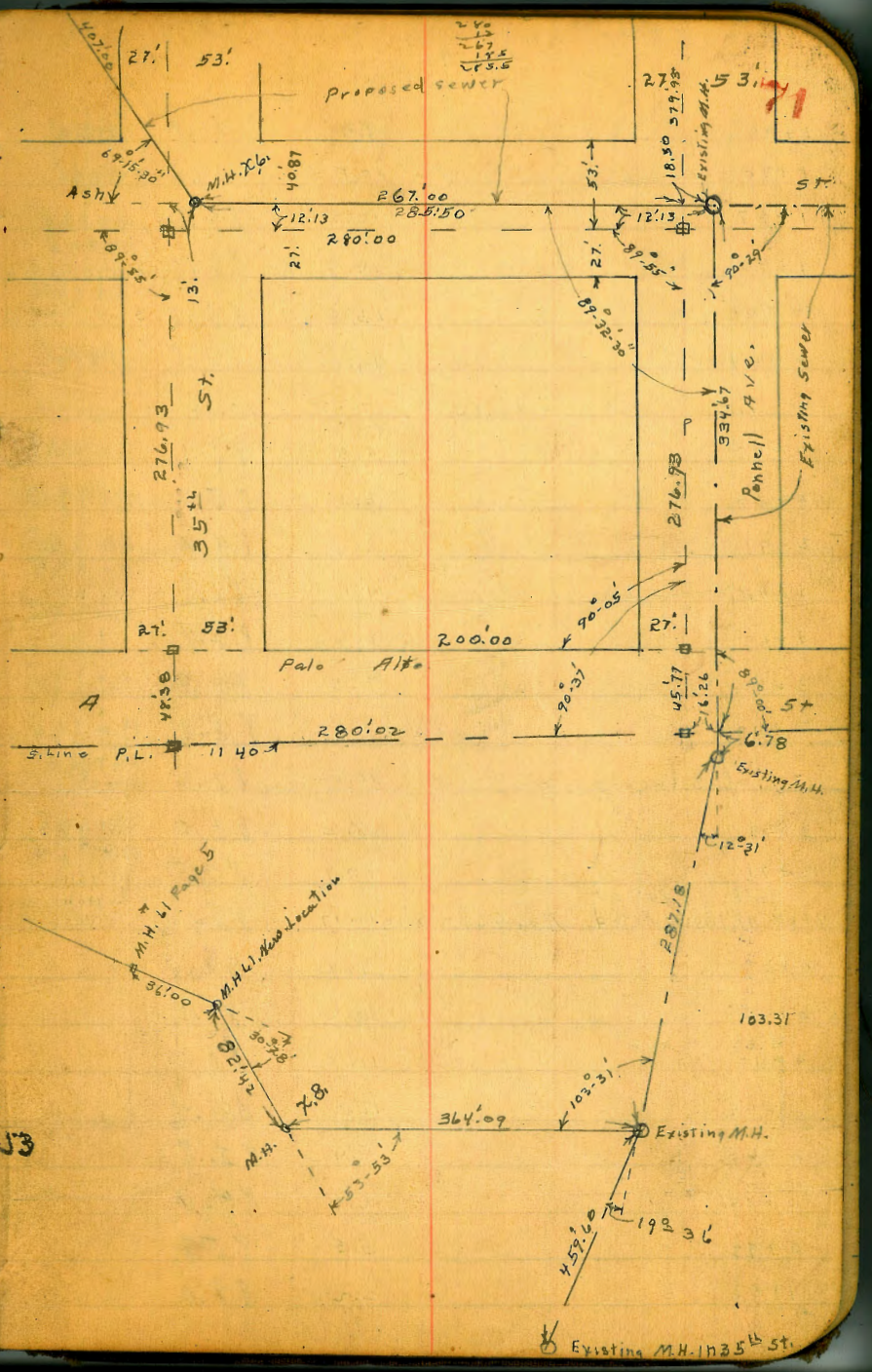
		147.13		
2+55			7.4	139.7
20' N. of 2+55			10.1	137.0
T.P.	0.34	134.36	13.11	134.02
x2	{10' N. of S. line Ravenna Park			
2+88 67 M.H.	{20' E. of ℄ Whaley in Chords Add		2.11	132.25
0+10			4.6	129.8
T.P.	0.05	121.91	12.50	121.86
0+50			1.8	120.1
0+80			7.5	114.4
1+00			13.2	108.7
1+23			15.4	106.5
1+26			17.2	104.7
1+33			17.3	104.6
1+37			14.0	107.9
1+65			14.7	107.2
T.P.	0.18	109.81	12.28	109.63
x3.				
2+11 41 M.H.	{℄ Cedar St. 20.6 of ℄ Whaley		4.22	105.59
0+40			6.8	103.0
0+44			9.4	100.4
0+51			9.2	100.6
0+53			7.0	102.8
0+90			6.6	103.2
1+40			8.8	101.0
1+44			12.5	97.3
1+53			11.7	98.1
1+59			9.1	100.7
1+85			4.7	105.1

Pin Head



			109.81		
2+10			5.5	104.3	
2+35			9.4	100.4	
2+70			11.8	98.0	
3+03			13.4	96.4	
1'E of 3+03			15.7	94.1	W. edge wash
3+05			15.7	94.1	" " "
1'W. of 3+05			13.5	96.3	
3+15			15.8	94.0	W. edge wash
1'W. of 3+15			14.1	95.7	
3+18			14.1	95.7	
5'E. of 3+18			16.0	93.8	W. edge wash
3+35			14.3	95.5	
3+55			12.6	97.2	
3+67			12.8	97.0	
3+70			14.4	95.4	℄ wash
3+72			12.7	97.1	
3+79.23 X.4. M.H.	℄ Beech 20'2.0% ℄ Whaley	Δ 90°-05' Lt.	11.92	97.89	7+84.33 on Hub.
T.P.	2.90	100.79	11.92	97.89	
0+34			5.4	95.4	8+18.3
0+40			7.0	93.8	8+24.3
0+42			9.1	91.7	8+26.3 W. edge wash
0+85			10.0	90.8	8+69.3 In Wash
1+15.20 X.5. M.H.	℄ Beech	Δ 69°-15'-30" Rt.	10.73	90.06	In wash 8+99.53 on Hub
0+30			10.8	90.0	9+29.5 In wash
0+68			12.1	88.7	9+67.5 S. edge wash
0+69			8.8	92.0	9+68.5

Plotted Hourly



		100.79			707.00		91.23		85.05
1+00			9.0	91.8	9+98.5	1+27		13.0	78.2	
1+50			10.5	90.3	10+49.5	T.P.	4.66	12.66	78.57	
1+87			12.2	88.6	10+86.5	1+51		4.4	78.8	
1+90			14.8	86.0	10+89.5 N. edge wash	1+53		7.8	75.4	Wash.
2+07			15.8	85.0	11+06.53 S " "	1+95		6.8	76.4	Wash.
2+09			14.0	86.8	11+08.5	2+27		8.7	74.5	wash
T.P.	2.87	91.23	12.43	88.36		2+30		4.9	76.3	
2+45			5.5	85.7	11+44.5	2+45		5.6	77.6	
2+80			6.1	85.1	11+79.53	2+85.50 Ex. M.H	12.13 N. of ℄ Ash. 18.50 E " ℄ Pennell	6.0	77.2	ground.
2+91			6.8	84.4	11+90.5	2+85.50 Ex M.H.		4.43	78.80	Top M.H
2+98			9.4	81.8	11+97.5 Wash	2+85.50 Ex M.H.		12.02	71.21	F.L. M.H.
3+10			8.8	82.4	12+09.5 21	T.P.	10.48	4.54	78.69	
3+12			7.3	83.9	12+11.5	chk. M.H. #17, Page 17.		4.12	85.05 ✓	
3+40			7.9	83.3	12+39.5					
T.E. of 3+40			10.0	81.2	12+39.5 Wash					
3+69			8.2	83.0	12+68.5					
3+76			10.7	80.5	12+75.5 Wash					
4+07 M.H.	X.6. ℄ 35.55 S. of ℄	Ash	Δ 69°-15'-30" Lt.	11.17	80.06	on Hub 1ft wash	13+06.53			
0+07				9.2	82.0					
0+25				10.0	81.2					
0+40				11.0	80.2					
0+62				10.8	80.4					
0+65				8.4	82.8					
0+75				6.8	84.4					
0+92				5.5	85.7					
1+06				2.2	89.0					

R/o Hwy 4 Hd

Sewer Line on ℄ Beech from M.H X.4.
20' E. of ℄ Whaley W. to New M.H X.7. to
M.H. #55

52.29 118.15

See Page 71

73

Plotted. Hough.

0+00 = X4 B.M. M.H Hub	12.25	110.64		97.89	℄ Beech 20' E. of ℄ Whaley	7+84.33 ✓
0+40			8.1	102.5		7+40.33
0+80			4.8	105.8		7+04.33
1+06			3.6	107.0		6+78.33
5' N. of 1+06			9.8	100.8	Wash	
1+18			8.0	102.6	Wash.	6+66.33
1+30			3.5	107.1		6+54.3
4' N. of 1+30			7.3	103.3	Wash	
1+45			0.7	109.9		6+39.3
T.P.	12.13	122.66	0.11	110.53		
1+70			8.8	113.9		6+14.3
1+90			8.3	114.4		5+94.3
2+20			3.2	119.5		5+64.3
6+00 2+32.80 M.H. X7	Δ 38°-28' Rt.		3.45	119.21	on Hub.	5+51.53 ✓
0+15			6.9	115.8		5+36.5
4' N. of 0+15			11.4	111.3		
0+27			7.3	115.4		5+24.5
0+29			10.2	112.5	Wash	5+22.5
0+33			7.1	115.6		5+18.5
0+52.29 M.H. #55			4.51	118.15 ✓	on Hub	4+99.24 ✓

Prelim Sewers from M.H. 61 New Location
Page 5. To Existing M.H.
Plat Page 71.

B.M. M.H. 61	1.53	96.03		94.50	New location Page 5
0+15			1.6	94.4	
10 N. of 0+15			5.5	90.5	
0+36 M.H.	Δ 30°-28'	Rt. 0+00	4.28	91.75	
3' N. of 0+36			8.0	88.0	
0+25			6.9	89.1	
8' E. of 0+25			10.7	85.3	
0+50			9.1	86.9	
T.P.	0.45	88.86	12.62	83.41	
0+82 M.H.	Δ 53°-53'	Lt. 0+00	1.23	82.63	on Hub
0+50			3.8	80.1	
1+00			6.0	77.9	
1+50			8.5	75.4	
2+00			11.5	72.4	
T.P.	2.87	74.93	11.80	72.06	
2+50			3.6	71.3	
2+83			5.0	69.9	
2+86			7.2	67.7	Wash
3+10			7.4	67.5	"
3+30			7.5	67.4	"
3+58			7.9	67.0	"
3+64 ground.			9.0	65.9	"
3+64 of Existing M.H.			8.25	66.68	Top of M.H. cover Tarred in

Plotted Hough

Prelim Sewers M.H. X2. East on line 10' N. of S. line Ravenna Park Plat Page 69.

5-15-31
Miller
Osborne
Semmelmeyer

74

00 = Hub B.M. M.H. X2	0.69	132.94		132.25	
0+30			5.1	127.8	
0+55			8.8	124.1	
T.P.	4.21	125.30	11.85	121.09	
0+85			7.5	117.8	
0+98			9.4	115.9	
1+00			13.0	112.3	Wash.
1+02			9.2	116.1	
1+20			4.3	121.0	

Plotted Hough

Prelim Sewers

5-29-31 mills

Relocation Line bet MH #29 + #31 Page 37.

00=BM MH #29	2.52	270.12		267.6	14 wash ✓
0+17 wash.			1.3	268.8	✓
0+45			5.9	264.2	✓
2' S. of 0+45 wash			6.2	263.9	—
0+90 Wash.			10.5	259.6	✓
1+13 "			12.3	257.8	✓
1+45			12.4	257.7	✓
T.P. ✓	0.84	258.52	12.44	257.68	—
12' N. of 1+45 Wash.			4.7	253.8	✓
1+85			3.2	255.3	✓
2+22			6.9	251.6	✓
10' N. of 2+22 wash			12.5	246.0	✓
2+55			13.0	245.5	✓
T.P. ✓	4.01	250.12	12.41	246.11	—
3' N. of 2+55 wash			6.8	243.3	✓
2+72			4.6	245.5	✓
2+89.87 M.H. #31 Page 37.			7.92	242.20	=242.20
2' N. of M.H. #31 wash			8.4	241.7	

Plotted 6-2-31 L.B.H.

For Tie M.H 49 & Gregory bet Dale + Elm

See Page 20

7-9-36
Miller
Walker
Bliss

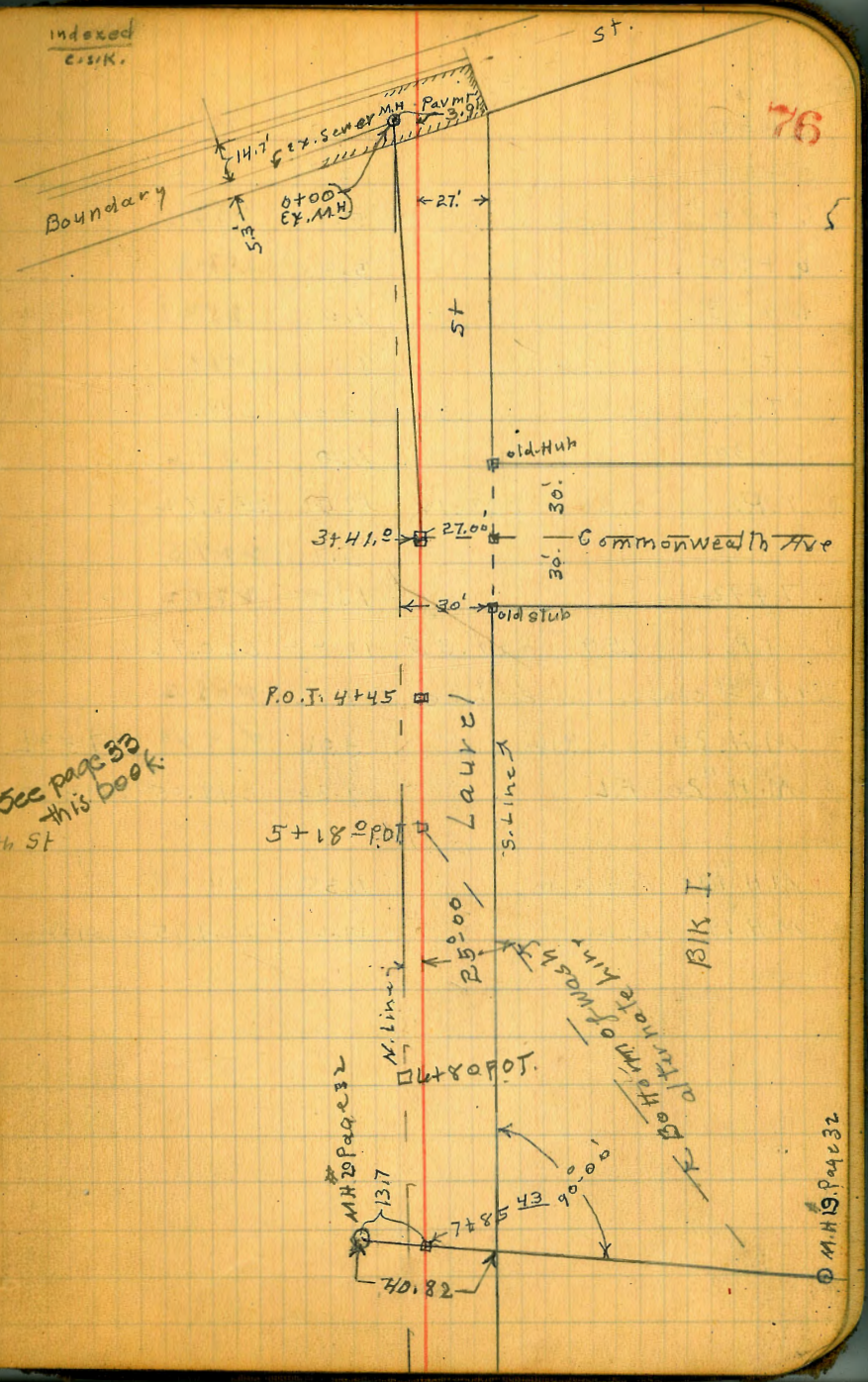
Prelim Sewer Laurel

from Ex M.H. in Boundary St W. to Connection with Ex Trunk Sewer

See Page 32-33 etc for Sewers in Blk I.

B.M. stub	7.48	293.41 ✓		285.93	Sta 4+41 to Page 33
0+00 Ex MH. in Boundary St			4.20	289.2	Top Rim
0+00 " " " " "			9.80	283.61	F. L.
0+5.3 W. edge Pav			3.93	289.58	
0+30			3.0	290.4	
0+40			2.0	291.4	
0+50			2.0	291.4	
1+00			3.7	289.7	
1+50			5.4	288.0	
2+00			6.3	287.1	
2+50			5.0	288.4	
3+00			5.8	287.6	
3+41 stub & Commonwealth			7.46	285.95	
27' S. of 3+41 = S. Line Laurel			7.48	285.93	stub & Commonwealth St
4+00			11.8	281.6	
4+13			12.4	280.6	
T.P.	0.00	280.43 ✓	12.98	280.43 ✓	
4+40			3.7	276.6	
4+71			12.0	268.4	
T.P.	0.40	268.65 ✓	12.38	268.05 ✓	
4+80			7.8	260.9 ✓	
T.P.	2.01	257.84	12.82	255.83	
5+05			10.0	247.8	
5+18.			9.8	248.0	

See page 33 this book.



		257.84				
5+50			12.3	245.5		
5+65			12.3	245.5		
6+00			5.8	252.0		
6+50			5.0	252.8		
6+93			7.0	250.8		
7+00			9.7	248.1		
T.P.	0.78	245.58	13.04	244.80		
7+30			11.0	246		
T.P.	0.36	233.18	12.76	232.82		
7+60			5.7	227.5		
7+72			13.0	220.2		
T.P.	1.59	222.35	12.42	220.76		
7+85 43	connection ex line.		7.2	215.2		
M.H. 20	Top. Rim		3.06	219.29	4753L.	
M.H. 20	F.L.		9.30	213.05	=212.95	Book 1389-16
M.H. 19	Top. Rim		11.35	211.00		
M.H. 19	F.L.		17.60	204.75	=204.78	Book 1389-16

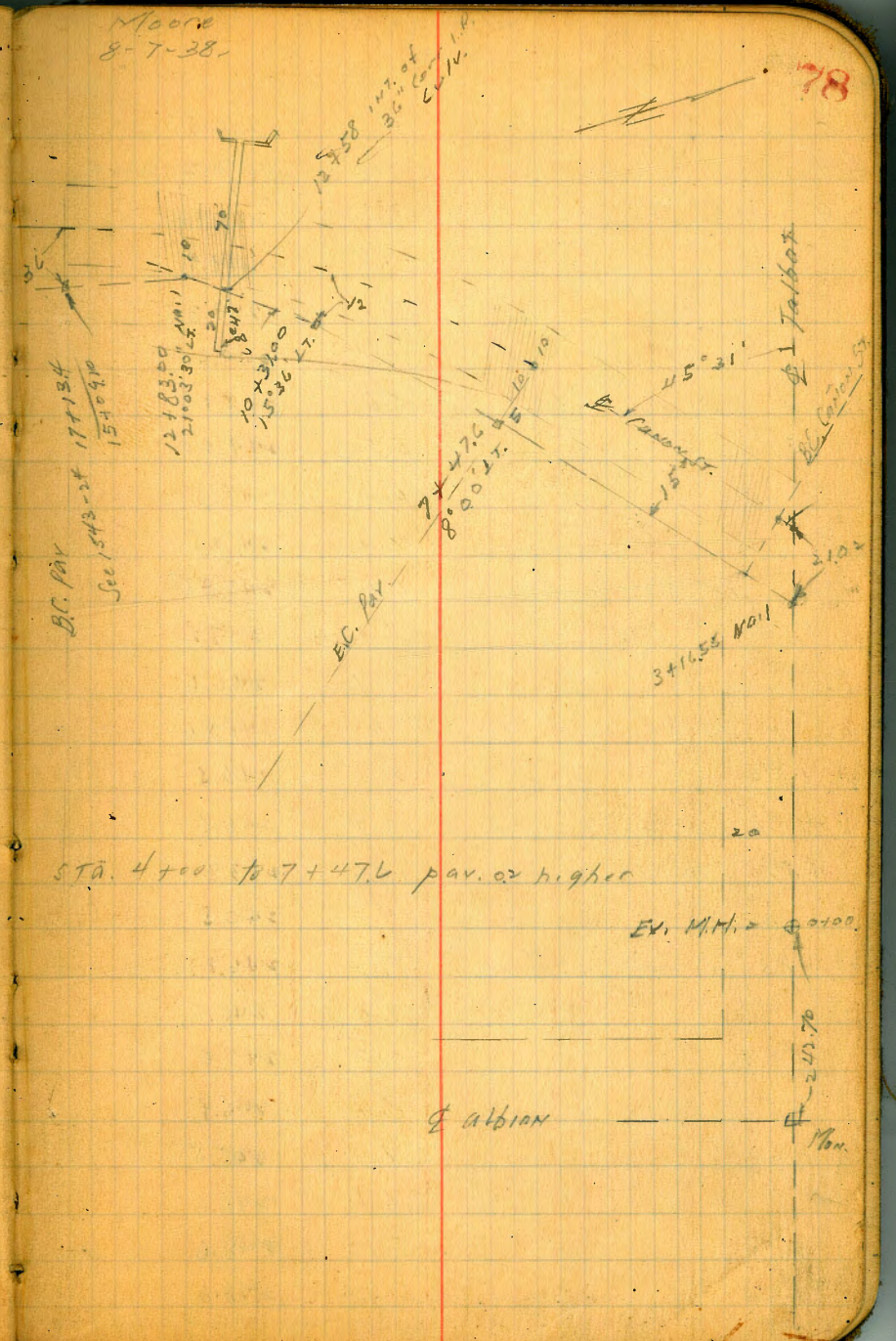
Indexed
C.S.K.

Proposed Sewer line on Talbot St.
Via Cañon St. to Carolina Blvd.

BM. & Mon		8.25	225.28	217.03	ALBION TALBOT
	0+00				
	RIM EX. M.H.		13.60	211.68	
	FL " "		20.80	204.48	
	0+50		10.8	214.5	
	1		7.8	217.5	
	+50		3.8	221.5	
T.P.		12.46	237.44	0.30	224.98
	2			10.8	226.6
	+25			8.5	228.9
	+57	PAV.		5.94	231.50
	3+16.55	" Δ 45°31' LT.		4.53	232.91
	+45	"		3.14	234.30
	4	5' S of Pav.		0.4	237.0
T.P.		13.08	250.19	0.33	237.11
	+50			10.4	239.8
	5			7.9	242.3
	+50			5.4	244.6
	6			3.7	246.5
	+50			2.1	248.1
	7			0.9	249.3
	+47.6	Δ 8°00' LT STUB		0.04	250.15
T.P.		4.35	254.50	0.04	250.15
	8			4.0	250.5
	8	10.5 Rt = pav.		3.47	250.83

Moore
8-7-38.

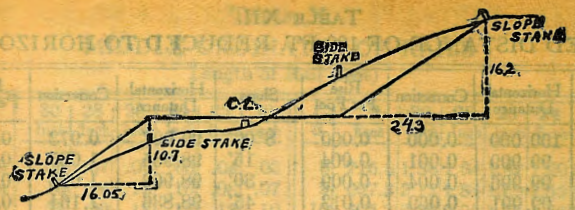
78



		254.50		
8+50			4.0	250.5
9			4.3	250.2
9	13.5 RT	pav	3.54	250.96
+50			4.6	249.9
10			5.2	249.3
10	7' RT	"	4.84	249.66
+31	△ 15°36' Lt.		5.60	248.90
+31	2 RT	"	5.50	249.00
+50			6.0	248.5
11			7.0	247.5
11	8 RT	"	6.65	247.85
+50			7.3	247.2
12			7.9	246.6
12	75 RT	"	7.64	246.86
+50		36" Conc. I.P.	8.0	246.5
+58	INT. Culv	grd.	7.9	246.6
+58	70 RT =	" F.L.	10.62	243.88
+58	20 Lt	" F.L.	14.00	240.5
12+83	△ 21°03'30" Lt.		7.73	246.77
13			7.8	246.7
+25			7.5	247.0
+50			8.6	245.9
+60			9.0	245.5
14			7.9	246.6
+50			5.9	248.6
+75			5.9	248.6

15		3.8	250.7
15+09.10 = 17+13.4	grd.	3.7	250.80 250.70

IMPROVED TABLES
AND
INFORMATION



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ 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

Computed by L. Leland Locke.