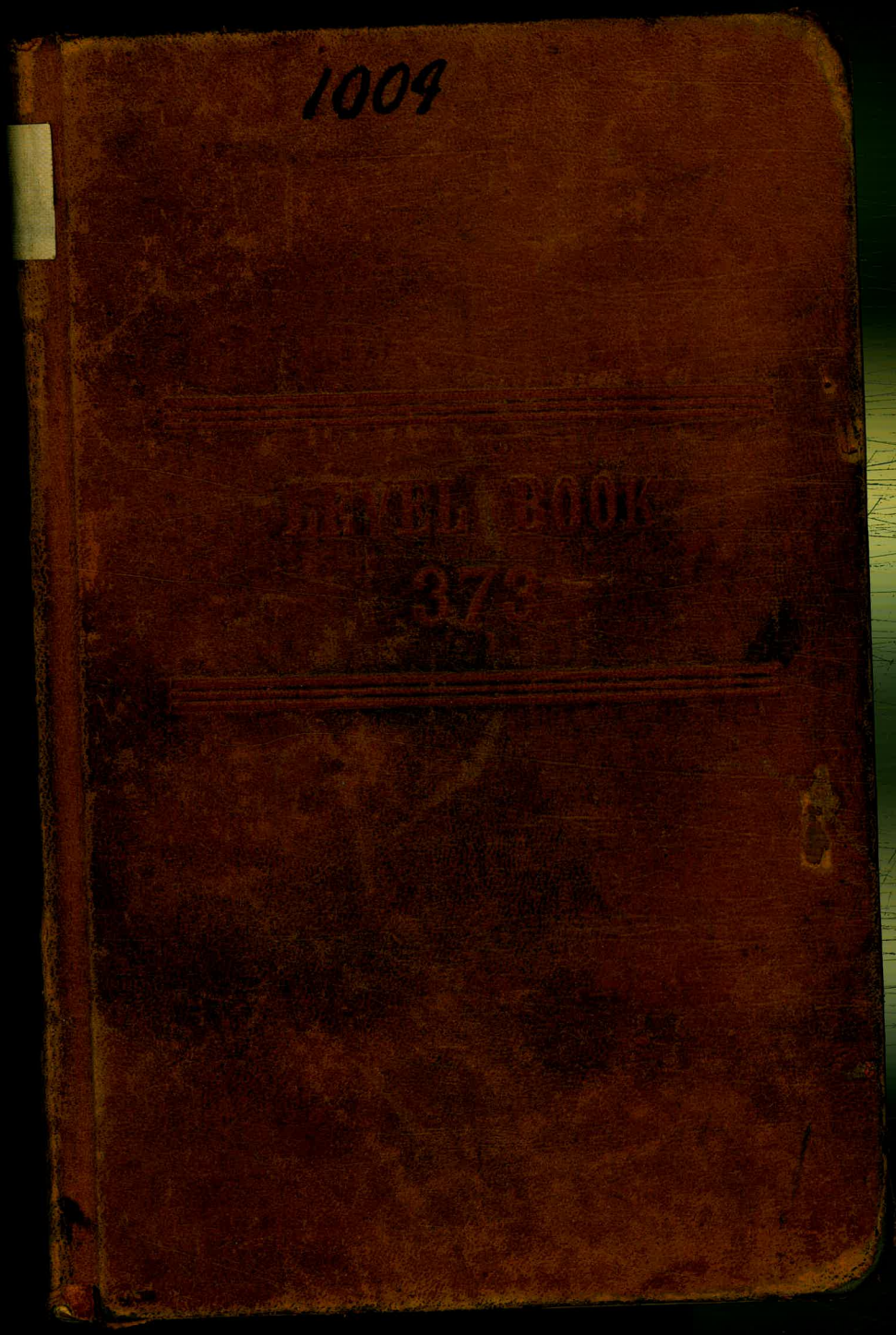

1009

Tables for Excavations and Embankments.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.

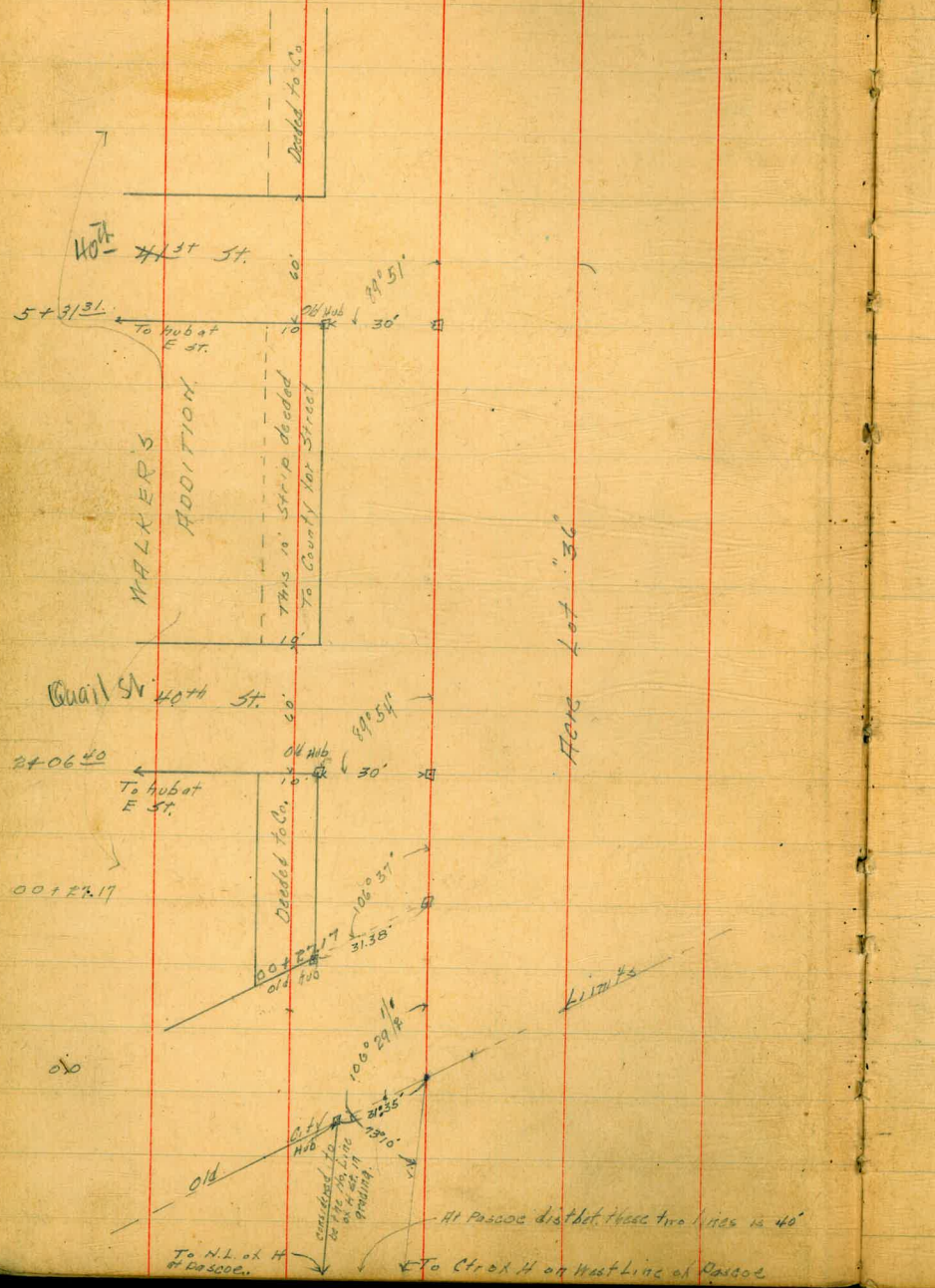
FOR SINGLE TRACK EXCAVATION.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

10/20/16
Gregori Meece Miller

Survey of Extension of H St from old City Limits East.
"A" Line



3+26.65

2+06.40
1+91
217.5

2+06.40
1+92
194.3

A Line

4.67
0.81

61

40 Acre Lot 34

40 Acre Lot 37

4"x4" hub with tack

13+11.40

41st ~~4"x4"~~ 5/8" 5/8"

11+81.40

old hub

10

30

Deeded to County for Street

10

90°00'00"

L 33 0.1 E

A 0°02' R.

20°02'03"

Set hub at N.E. cor Acre lot 36 + SE. cor Walker's add

34 37 35 36

Raven ~~4"x4"~~ 5/8"

9+57.20

old hub

10

Tobo bat E St.

60

89°56'

30'

Deeded to County for street

10'

Acre Lot 36

40th ~~4"x4"~~ 5/8"

5+31.31

old hub

To hub at E St.

60

89°51'

30'

A. Line

02

48+25 see page 40 for "B" line

45+27 ⊡ County Surveyor's hub

40 A Lot 32 | 40 A Lot 39

90°59' | Hub set

38+62.62 To hub Approx 1320 | To hub Approx 1320

40 A Lot 33 | 40 A Lot 38

32	39
33	38

40 A Lot 33 | 40 A Lot 38

90°01' | Hub Set

25+36.99 Approx 1320' to hub with C.T | To hub Approx 1320

13 25.43

40 A Lot 34 | 40 A Lot 37

33	38
34	37

71+75.30 — 1.6 ☐ 2×2 hub ~1.6' so. of line

70+69.38 — ⊙ set 1"x2" on line

68+44.34 — ☐ Hub .47' so. of line

65+13.2 — ☐ butt end of 4×4 post replaced

62+50.57 — ⊙ set Nail on line

58+51.42 — ☐ Hub Marked NW Cor N1/2 of NE1/4 of 1/4 Sec. 10.

~~Hub was 2.18' so. of line~~

8885

8860

8835

82+84.59 E.C.

82+29.55 P.I. 32°26' L

R = 200
S.T. = 58.17
L.C. 113.21

81+71.38 P.C.

79+14.69
Hub is 1.52 West

77+00 P.O.T.

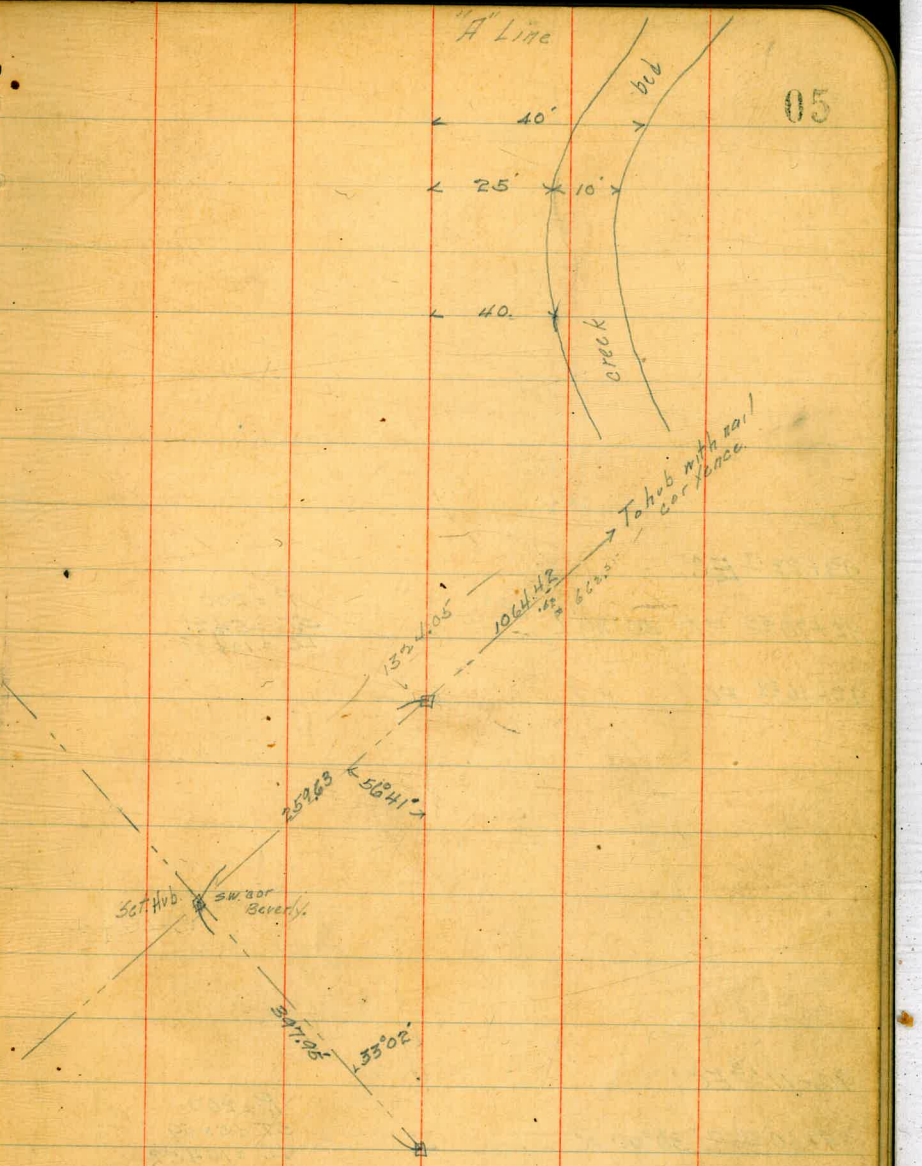
Revised Location

7H+85.41 E.C. = 7H+85.27 Old Location

7H+40.60 P.I. 33°02' R.

R = 160'
S.T. = 47.44
L.C = 92.25

73+93.16 P.C.



93+22.17 E.C.

92+70.50 P.I. 30°20' L

92+16.29 P.C.

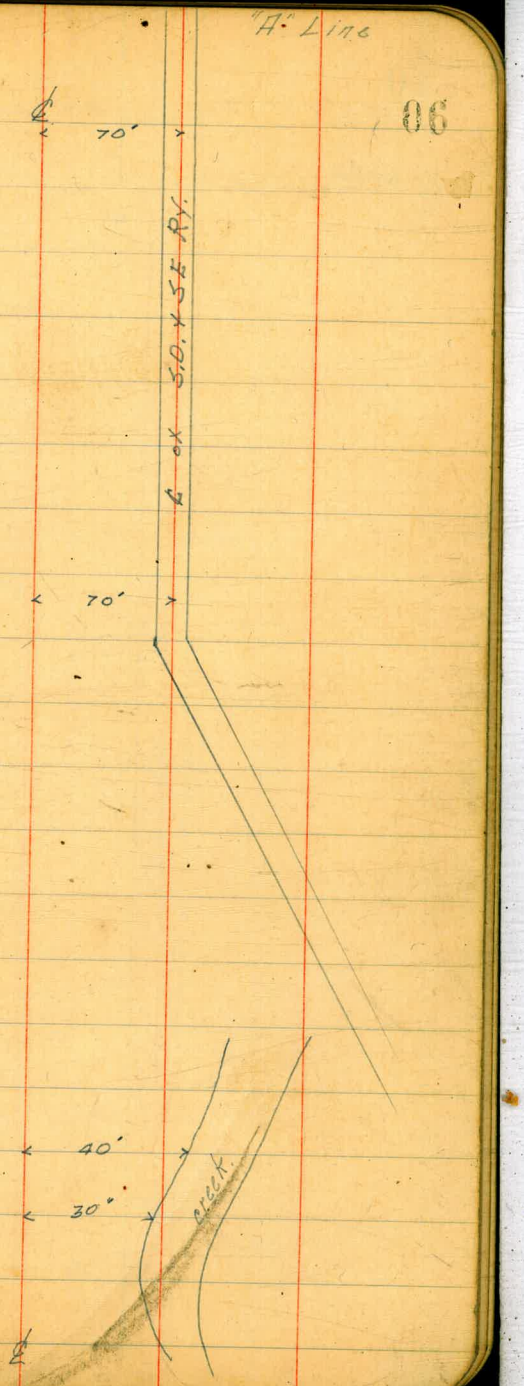
P = 200'
S.T. = 54.21
L.C. = 105.88

90+11.13 E.C.

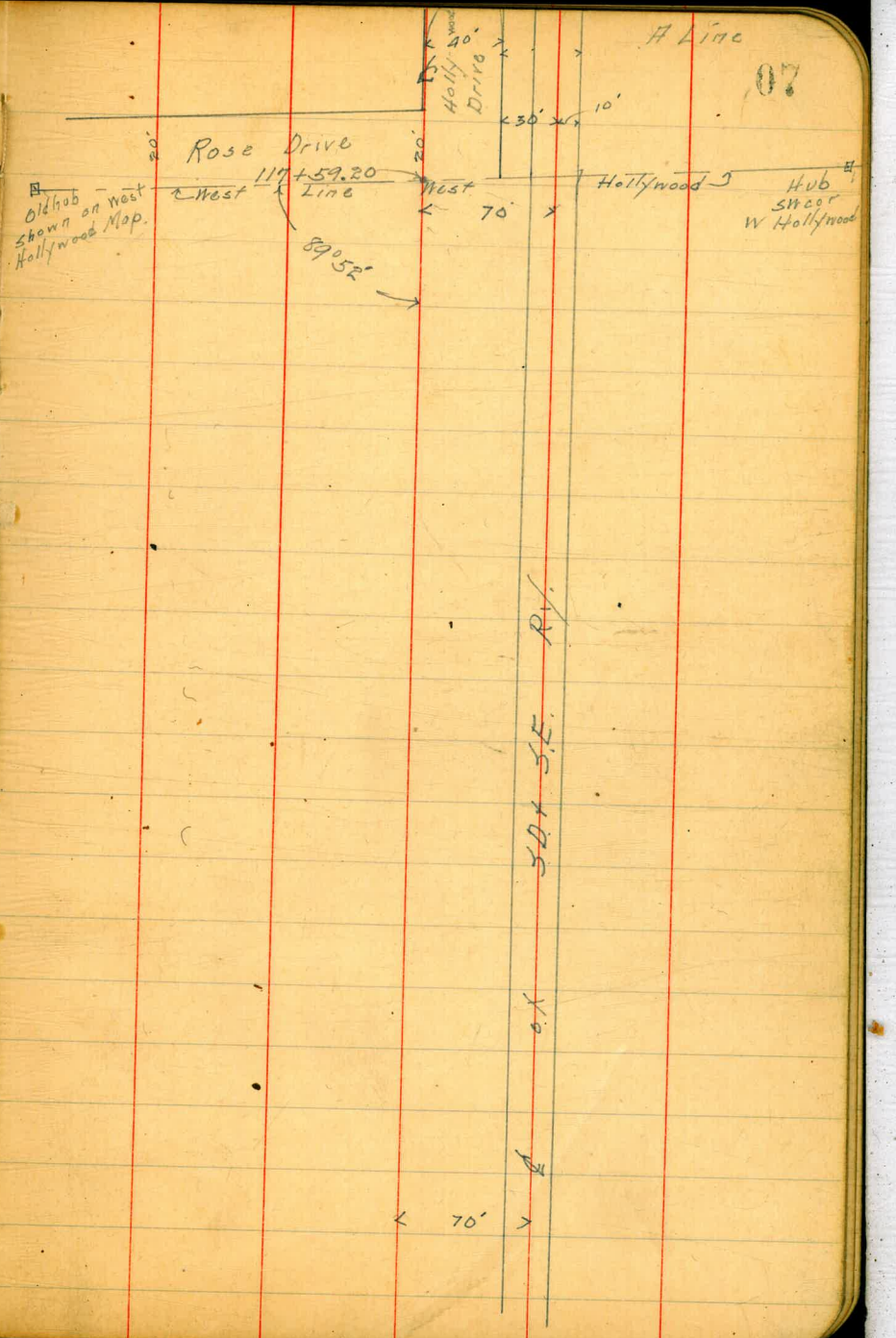
89+60.00 P.I. 30°00' R

89+06.41 P.C.

R = 200
S.T. = 53.59
L.C. = 104.72



117+59.20


A Line
07
40'
Hollywood Drive
30'
10'
20'
Rose Drive
117+59.20
℄ West
℄ West Line
West
Hollywood
Hub
Old hub shown on West Hollywood Map.
89°52'
70'
70'
S.P. S.E. R/W.

10/29/16 Gregory
Moore
Miller

LEVELS ON EXTENSION OF H ST. (80' wide)

From Old City Limits To West Hollywood

B.M.	12.18	115.76		103.58	15" tie hub SE. H & Merritt
T.P.	12.30	127.25	0.81	114.95	
T.P.	0.92	124.08	4.09	123.16	
T.P.	12.50	135.43	1.15	122.93	
T.P.	11.37	146.65	0.15	135.28	
T.P.	1.30	147.55	0.40	146.25	
		OLD EAST LINE OF CITY (on askew)			
S			7.6	140.0	
C			7.4	140.2	
N			7.7	139.9	
		24.2' E. on No. 00 E - 20			
N			10.9	136.7	
C			8.5	139.1	
S			7.6	140.0	
		25' E ox last Section			
S			7.4	140.2	
C			10.8	136.8	
N			13.1	134.5	
T.P.	0.69	135.20	13.04	134.51	

137.3 / 137.62 / 137.37 / 137.20 — 137.93 — 147.55 − 8.56 = 138.99 = 50' hub at boundary north — 138.82 = Nail on Boundary 9.45 170' No. ox H

H ST. ALIGN

Distances ox All sections xrom this on, given xrom the old city boundary on Center line ox 80' st.

100' E. ox boundary on ℄ 135.20

N			7.2	128.0
C			5.3	29.9
S			3.4	29.8
		165' E ditto		
S			11.1	24.1
C			13.1	122.1
T.P.	8.45	130.61	13.01	122.16
N			12.5	18.1

culvert required

approx 240' E = N.L. 40th St. xor levels No on 40th sec page 61

N			13.7	16.9
C			11.6	19.0
S			13.0	17.6
		260' E		
S			18.0	12.0
		approx 270' E = E.L. 40th St		
S			15.1	15.5
C			12.2	118.4

		130.61			
N			9.5	121.1	
		300' E			
N			9.0	21.6	
C			12.2	18.4	
S			12.9	17.7	
		375' E			should be small culvert here
S			17.2	13.4	
C			12.9	17.7	center graded about 15 wide
N			13.7	16.9	
		400' E			
N			13.8	16.8	
C			12.3	18.3	center graded 15' wide.
S			15.7	14.9	
		500' E			
S			4.5	26.1	
C			7.4	23.2	
N			5.8	24.8	
	approx 532' E = W.L. 41st St.				(for levels no. see page 61)
T.P.	10.35	137.04	3.92	126.69	hub NW 41st St.
N			9.4	127.6	

	137.04			
C		11.6	125.4	
S		9.9	27.1	
	approx 392' E = E.L. 41st St.			
S		8.0	29.0	
C.		8.6	28.4	
N		6.1	30.9	
	600' E			
N		5.7	31.3	
C		8.2	28.8	
S		7.5	29.5	
	660' E			
S		5.2	31.8	
	700' E			
S		7.1	29.9	
C		5.0	32.0	
N		4.7	32.3	
	740 E			
N		3.4	33.6	
C		4.1	32.9	
S		5.7	31.3	

		137.04		
		770 E		
S			5.9	131.1
		800 E		
S			3.0	134.0
C			2.2	134.8
N			1.2	135.8
T.P.	6.28	141.68 ✓	1.64	135.40 ✓
	(approx) 856 E = W.L. 42nd St			x or levels on 42nd St no ox H see page 62
N			2.0	39.7
C			4.9	36.8
S			6.3	35.4
	approx 916 E = EL. 42nd St.			
S			7.4	34.3
C			6.4	35.3
N			6.3	35.4
		1000 E		
N			10.3	31.4
C			9.7	32.0
S			9.9	131.8
T.P.	0.89	130.25 ✓	12.32	129.36 ✓

		130.25		
		1100 E		
S			3.8	126.5
C			2.8	127.5
N			2.4	127.9
	(approx) 1181 E = W.L. 43rd St.			x or levels no. see page 62
N			3.6	26.7
C			5.5	24.8
S			5.1	25.2
	approx 1241 E = E.L. 43rd St.			
S			8.7	21.6
C			6.4	23.9
N			6.1	24.2
		1300 E		
N			8.6	21.7
C			9.9	20.4
S			11.6	18.7 ✓
B.M.			8.25	122.0 ✓ nail in telegraph post 60 Sa of Sta 124+40
T.P.	5.84	123.70 ✓	12.39	117.86 ✓
		1360 E		
N			9.0	114.7 bottom small drain

		123.70			
		1400' E			
S			9.8	113.9	
C			8.9	114.8	drain needed
N			7.0	16.7	
		1450' E			
N			1.9	21.8	
C			5.5	18.2	
S			8.9	14.8	
		1500' E			
S			7.4	16.3	
C			6.0	17.7	
N			4.2	19.5	
		1525' E			
N			4.5	19.2	
C			5.7	18.0	
S			5.7	18.0	
		1550' E			
S			2.2	21.5	
C			3.1	20.6	
N			4.8	118.9	

		123.70			
		1600' E			
N			1.9	121.8	
T.P.	11.69	133.92	1.47	122.23	
C			9.1	24.8	
S			7.6	26.3	
		1650' E			
S			3.1	30.8	
		1700' E			
S			2.6	31.3	
C			4.3	29.6	
N			8.7	25.2	
		1750' E			
N			5.6	28.3	
C			3.2	30.7	
S			1.4	32.5	
		1800' E			
S			0.8	33.1	
C			2.4	31.5	
N			4.0	29.9	

		133.92			
		1875'E			
H			2.0	131.9	
C			0.3	33.6	
TP	4.12	137.09	0.95	132.97	
		1900'E			
N			6.6	30.5	
C			4.8	32.3	
S			2.7	34.4	
		1920'E			
N			4.4	32.7	
		1960'E			
C			3.4	33.7	
S			2.0	35.1	
		2000'E			
S			3.0	34.1	
C			3.6	33.5	
N			4.2	32.9	
		2100'E			
N			3.4	33.7	
C			5.2	131.9	
S		137.09	6.7	130.4	
		2140'E			
N			4.7	32.4	
		2200'E			
N			3.2	33.9	
C			4.7	32.4	
S			6.9	30.2	
		2240'E			
S			6.7	30.4	
C			3.9	33.2	
N			4.3	32.8	
		2270'E			
N			4.7	32.4	
C			5.2	31.9	
S			9.2	27.9	
		2300'E			
S			12.0	25.1	
C			8.8	28.3	
N			4.7	132.4	

		137.09			
		2330' E			
N			4.9	132.2	
		2350' E			
N			6.7	30.4	
C			11.5	25.6	
T.P.	8.46	133.49	12.06	125.03	
S			15.6	17.9	
		2400' E			
S			13.6	19.9	
C			15.9	17.6	Drain needed
N			8.6	24.9	
		2450' E			
N			11.9	21.6	
C			11.9	21.6	
S			11.1	22.4	
		2475' E			
N			14.0	19.5	
		2500' E			
S			7.3	26.2	
C			8.5	125.0	

N	133.49	10.1	123.4	
	2510' E			
N		6.6	26.9	
C		5.3	28.2	
S		5.3	28.2	
	2535' E			
S		2.6	30.9	
	2578' E = West end of X-graded St. 80' wide, 14' curbs.			
S cb.		5.8	27.7	
C		5.2	28.3	
N cb.		5.9	27.6	
	→ 2700' E ←		N.B.	
N cb		3.6	29.9	
C		3.2	30.3	
S cb		3.5	30.0	
	2800' E			
S cb		1.3	32.2	
C		1.2	32.3	
N cb		1.4	32.1	
B.M.		6.26	127.23	Nail in fence post 60' So. of Sta 25+00

		133.49		
T.P.	11.22	144.06	0.65	132.84
		2877' E = M.L. of a street to the south (graded)		
N cb.			10.5	133.6
C			10.1	34.0
S cb			10.2	33.9
		2937' E = E.L. of	above st.	
S cb.			9.0	35.1
C			9.1	35.0
N cb.			9.2	34.9
		3000' E		
N cb.			7.8	36.3
C			7.8	36.3
S cb.			7.8	36.3
		3100' E		
S cb			5.5	38.6
C			5.5	38.6
N cb.			5.6	38.5
		3200' E = East End of street graded 80' wide and West " " " of 80' st with 14' walk on south.		
N cb			3.4	40.7
C			3.2	140.9

		144.06		
So. Cb.			3.6	140.5
		3300' E		
S. cb.			1.4	42.7
C			1.3	42.8
N.			1.7	42.4
T.P.	11.42	154.87	0.63	143.43
		3400' E		
N			10.4	44.5
C			9.6	45.3
S cb.			9.9	45.0
		3500' E		
S cb			7.6	47.3
C			7.3	47.6
N			5.2	49.7
		3535 E		
N			3.8	51.1
T.P.	9.04	162.46	1.45	153.42
		3580' E		
N			8.3	154.2

		162.46			
		3610'E			
N			8.9	153.6	
C			12.2	150.3	
S cb.			12.9	149.6	
		3645'E			
N			4.9	57.6	
		3675'E			
N			6.0	56.5	
		3700'E			
S cb			10.9	51.6	
C			9.7	52.8	
N			4.6	57.9	
		3800'E			
N			3.2	59.3	
C			7.5	55.0	
S cb.			8.5	54.0	
		3860'E			
S cb			7.1	55.4	
C			6.2	56.3	
N			2.9	159.6	

Street graded half width thru. here center readings on graded portion

H St "A" Line 16

		162.46		
		3890'E = East End of half Street graded 40' / West " " Hall " graded 80' wide		
N cb		6.9	155.6	
C		6.8	55.7	
S cb		7.0	55.5	
		4000'E		
S cb.		5.2	57.3	
C		4.7	57.8	
N cb.		4.9	57.6	
		4100'E		
N cb.		2.7	59.8	
C		2.7	59.8	
S cb.		3.1	59.4	
B.M.		1.57	160.89	✓ 50' No. of Sta 4100 Peg in groove
		4200'E		
S cb		0.9	61.6	
C		1.0	61.5	
N. cb.		1.1	61.4	
		4300'E		
N cb		0.2	62.3	
C		0.1	162.4	

		162.46			
S cb			0.2	162.3	
		4350' E			
S cb.			1.6	60.9	
C			1.4	61.1	
N cb.			1.5	61.0	
		4400' E			
N cb.			4.2	58.3	
C			4.1	58.4	
S cb.			4.2	58.3	
		4495' E = End of Grading			
S cb.			9.4	53.1	
C			9.5	53.0	
N cb.			9.1	53.4	
T.P.	1.64	152.80	11.30	151.16	on hub Sta 45+27.1
		4600' E			
N			4.5	48.3	
C			5.3	47.5	
S			6.2	146.6	

			H	ST	"A"	Line
		152.80				
		4650' E				
S			9.6	143.2		
C			8.6	44.2		
N			8.0	44.8		
		4675' E				
S			9.7	43.1		
		4730' E				
N			9.6	43.2		
C			10.7	42.1		
S			12.5	40.3		
		4770' E				
S			10.3	42.5		
C			10.2	42.6		
N			9.5	43.3		
		4800' E				
N			8.1	44.7		
C			9.8	43.0		
S			10.2	42.6		
		4835' E				
S			10.6	142.2		

		152.8		
C			9.8	143.0
N			9.3	43.5
		4865'E		
N			11.6	41.2
C			11.3	41.5
S			8.1	44.7
		4900'E		
S			10.3	42.5
C			10.3	42.5
N			12.0	40.8
		4950'E		
N			13.6	39.2
C			11.9	40.9
S			10.8	42.0
		5000'E		
S			11.8	41.0
TP	0.64	140.86	12.58	140.22
C			2.8	38.1
N			4.0	136.9

		140.86		
		50.50'E		
N			8.8	132.1
C			8.1	32.8
S			5.3	35.6
		5100'E		
S			12.9	28.0
T.P.	0.10	128.19	12.77	128.09
C			2.0	26.2
N			2.9	25.3
		5140'E		
N			8.1	20.1
C			8.8	19.4
S			8.1	20.1
		5165'E		
S			10.7	17.5
C			11.1	17.1
N			14.4	13.8
		5175'E		
N			11.4	116.8

		128.19		
		5180' E		
C			13.1	115.1
S			13.9	14.3
		5190' E		
C			17.1	11.1
		5200 E		
C			12.9	15.3
		5210' E		
SI			14.3	13.9
C			12.9	15.3
N			11.4	16.8
		5220 E		
N			9.7	18.5
C			16.4	11.8
S			17.9	10.3
		5230' E		
S			14.1	14.1
C			12.9	15.3
N			9.3	118.9

		128.19		
		5265' E.		
C			12.7	115.5
S			13.9	14.3
		5272' E		
C			15.5	12.7
S			16.6	11.6
		5285' E		
S			13.4	14.8
C			11.3	16.9
N			9.9	18.3
		5295' E		
N			14.2	14.0
		5305' E		
N			9.9	18.3
C			10.4	17.8
S			12.7	15.5
		5330' E		
S			11.5	16.7
C			6.4	21.8
N			5.4	122.8

		128.19			
		5350' E			
N			4.9	123.3	
C			5.9	22.3	
S			9.6	18.6	
		5400' E			
S			1.3	26.9	
T.P.	13.08	140.26	1.01	127.18	
C			10.3	30.8	
N			8.6	31.7	
		5415' E			
N			5.4	34.9	
		5450' E			
N			1.7	38.6	
C			0.1	40.2	
S			1.6	38.7	
T.P.	12.73	152.12	0.87	139.39	
		5480' E			
S			7.1	45.0	
C			5.6	146.5	

		152.17			
		5500' E			
S			6.5	145.6	
C			3.7	48.4	
N			7.9	44.2	
		5525' E			
N			5.7	46.4	
		5600' E			
N			5.9	46.2	
C			6.0	46.1	
S			8.3	43.8	
		5625' E			
S			6.4	45.7	
C			3.5	48.6	
N			2.1	50.0	
T.P.	12.56	164.46	0.22	151.90	Rock N. 3' N. & 56+50
		5655' E			
N			10.3	54.2	
C			11.8	52.7	
S			14.0	150.5	

		164.46			
		5700 E			
S			5.4	159.1	
C			0.7	63.8	
T.P.	12.35	176.64	0.17	164.29	
N			11.3	65.3	
		5750' E			
N			2.6	74.0	
C			4.5	72.1	
S			9.8	66.8	
T.P.	12.80	189.24	0.20	176.44	
		5800' E			
S			10.9	78.3	
C			8.4	80.3	
N			8.0	81.2	
		5825' E			
N			5.2	84.0	
C			6.3	82.9	
S			6.1	83.1	
		5850' E			
S			1.7	187.5	

H St "A" Line

21

		189.24			
C			2.0	187.2	
N			3.7	85.5	
T.P.	4.97	192.38	1.83	187.41	on hub Sta 58+51.42
		5875' E			
S			1.8	90.6	
		5900' E			
~~N~~			8.3	84.1	
C			6.1	86.3	
S			1.8	90.6	
		5950' E			
S			8.6	83.8	
C			11.4	81.0	
T.P.	0.15	179.60	12.93	179.45	
N			0.7	78.9	
		6000' E			
N			5.9	73.7	
C			5.5	74.1	
S			4.0	75.6	
		6050' E			
S			6.5	173.1	

		179.60			
C			10.4	169.2	
N			13.4	66.2	
		6075' E			
S			7.7	61.9	
		6100' E			
N			16.6	63.0	
C			13.9	65.7	
S			11.0	68.6	
		6125' E			
S			12.4	67.2	
C			14.8	64.8	
N			18.1	61.5	
		6150' E			
N			16.7	62.9	
C			12.0	67.6	
S			13.6	66.0	
		6175' E			
S			12.0	67.6	
C			13.3	66.3	
N			15.8	163.8	
		179.60			
		6245' E			
N			15.3	164.3	
C			7.7	71.9	
S			2.0	77.6	
		6270' E			
S			4.4	75.2	
C			7.5	72.1	
N			14.7	64.9	
		6325' E			
N			17.8	61.8	
C			14.7	64.9	
S			12.6	67.0	
T.P.	0.84	167.64	12.80	166.80	
		6400' E			
S			9.4	58.2	
C			11.1	56.5	
N			14.4	53.2	
		6450' E			
N			17.7	49.9	
C			14.4	153.2	

		167.64		
S			13.6	154.0
T.P.	0.70	155.25	13.09	154.55
		6500' E		
S			7.0	148.3
C			7.1	48.2
N			8.0	47.3
		6550' E		
N			11.7	43.6
C			11.8	43.5
S			11.7	43.6
T.P.	2.43	145.22	12.96	142.29
		6600' E		
S			4.5	40.7
C			4.0	41.2
N			2.2	43.0
		6650' E		
N			2.5	42.7
C			3.1	41.8
S			4.0	141.2

		145.27			
		6700' E			
S			4.2	141.0	
C			3.8	41.4	
N			4.2	41.0	
B.M.			3.89	141.33	10" No. ox Sta 67+00 "pcg."
		6725' E			
N			11.3	33.9	
C			8.7	36.5	
S			6.0	39.2	
T.P.	0.23	132.68	12.77	132.45	
T.P.	3.25	123.21	12.72	119.96	
		6790' E			
S			5.7	17.5	
C			6.8	16.4	
N			11.9	11.3	
		6800' E			
N			9.6	13.6	
C			12.4	10.8	Drain needed
		6810' E			
C			11.2	112.0	

		123.21		
S			9.8	113.4
		6830' E		
S			11.8	11.4
C			10.8	12.4
N			6.2	17.0
		6845' E		
N			3.9	19.9
C			6.8	16.4
S			13.4	109.8
		6855' E		
S			9.7	13.5
		6860' E		
S			1.7	21.5
C			3.5	19.7
N			1.6	21.6
T.P.	12.86	135.72	0.35	122.86
		6880' E		
N			12.5	23.2
C			9.5	26.2
S			6.9	128.8

		135.72		
		6900' E		
S			4.0	131.7
C			5.3	30.4
N			8.3	27.4
		6920' E		
N			4.5	31.2
C			2.9	32.8
S			2.7	33.0
T.P.	10.01	145.40	0.33	135.39
		6940' E		
S			6.2	39.2
		6975' E		
S			5.7	39.7
C			4.8	40.6
N			4.9	40.5
		7000' E		
N			3.3	42.1
C			4.9	40.5
S			6.4	139.0

		145.40			
		7015'E			
S			7.0	138.4	
C			4.8	40.6	
N			2.0	43.4	
		7040'E			
N			3.4	42.0	
		7075'E			
N			4.0	41.4	
C			6.0	39.4	
S			9.7	35.7	
		7100'E			
S			11.9	33.5	
C			8.6	36.8	
N			5.9	39.5	
		7135'E			
N			11.9	33.5	
C			13.9	32.1	
T.P.	0.45	132.92	12.93	132.49	
S			6.9	126.0	

				H St	"A" Line
		132.97			25
		7165'E			
S			16.1	116.8	
C			10.2	22.7	
N			6.5	26.4	
T.P.	011	120.33	12.70	120.22	
B.M.			1.84	118.49	on hub Sta 71+75.20
		7180'E			
S			7.2	13.1	
C			3.3	17.0	
		7200'E			
N			4.9	15.4	
C			7.7	12.6	
S			10.6	109.7	
		7215'E			
C			12.0	108.3	Drain needed.
N			9.3	11.0	
		7230'E			
S			16.4	103.9	
		7240'E			
S			16.6	103.7	

		120.83		
C			10.6	109.7
N			5.0	15.3
		7255' E		
N			5.1	15.2
		7275' E		
N			8.1	12.2
T.P.	0.46	107.79	13.00	107.33
C			1.1	106.7
S			6.4	101.3
		7300' E		
S			6.5	101.3
C			4.0	103.8
N			0.3	107.5
		7325' E		
N			3.7	104.1
C			5.5	102.3
S			5.7	102.1
		7393.16 E = PC		
S			4.7	103.1
C			5.0	102.8

H St. "A" Line

26

		107.79		
N			4.6	103.2
		7439.28 E on Center Line		Taken Rt L's to tangent at Center of curve
N			2.9	104.9
C			3.9	103.9
S			4.1	103.7
		7485.41 = 7485.97 E = EC.		
S			4.3	103.5
C			3.6	104.2
N			2.6	105.2
T.P.	9.14	114.36	2.57	105.22
		7495' E		= bank of Creek bed.
N			9.1	105.3
C			10.5	103.9
S			10.7	103.7
		7495 S		
S			12.0	102.4
C			11.9	102.5
N			11.4	103.0
		7500' E		
N			11.5	102.9

		114.36			
C			11.9	102.5	
S			12.1	102.3	
		7525' E			
S			11.2	103.2	
C			10.5	103.9	
N			10.5	103.9	
		7550' E			
N			11.2	103.2	
C			11.5	102.9	
S			11.2	103.2	
		7575' E			
S			11.9	102.5	
C			11.0	103.4	
N			10.2	104.2	
		7600' E			
N			7.3	107.1	
C			10.1	104.3	
S			11.4	103.0	
		7625' E			
S			5.1	109.3	

		114.36			
C			5.4	109.0	
N			4.1	110.3	
T.P.	9.58	121.92 ✓	2.02	112.34 ✓	
		7665' E			
N			6.9	15.0	
C			8.4	13.5	
S			11.5	10.4	
		7700' E			
S			13.0	8.9	
C			8.3	13.6	
N			3.6	18.3	
		7750' E			
N			8.3	113.6	
C			14.7	107.2	
S			20.4	101.5	
		7765' E			
S			21.9	100.0	
C			17.0	104.9	
N			10.2	111.7	

		121.92			
		7800 E			
N			11.1	110.8	
T.P.	5.46	116.25 ✓	11.13	110.79 ✓	
C			13.5	102.8	
S			16.7	99.6	
		7850' E			
S			16.2	100.1	
C			11.4	104.9	
N			4.9	111.4	
		7900' E			
N			3.2	113.1	
C			10.8	105.5	
S			14.7	101.6	
		7950' E			
S			12.9	103.4	
C			8.9	107.4	
N			3.6	112.7	
		8000' E			
N			5.9	110.4	
C			8.8	107.5	

		116.25'			
S			10.5	105.8	
		8030' E			
S			9.6	106.7	
C			8.2	108.1	
N			5.0	111.3	
		8035' E			
N			3.2	103.1	West Side = road to Berry
		8060' E			
N			3.3	112.9	East Side = road to Berry
C			5.9	110.4	
S			8.0	108.3	
T.P	13.07	121.58 ✓	7.74	108.51 ✓	
		8103' E			
S			13.1	108.5	
C			12.9	108.7	
N			8.4 7.6	113.2 114.0	
		8128' E			
S			14.5	107.1	= East side road.
		8129' E			
S			10.8	110.8	top bank

		121.58			
B.M.			9.25	112.33 ✓	nails in pole 81+20 = 25' Sta.
		8171 38/60 E = P.C.			
N			2.8	118.8	
C			6.4	115.2	
S			10.2	11.4	
		8218' E	Rt L's to tangent on ℄		
S			9.2	12.4	
		8250' E	Rt L's to tangent on ℄		
S.			13.9	107.7	
C			5.1	16.5	
N			2.6	19.0	
		8284 59/60 E = E.C.			
N			1.6	20.0	
C			7.6	14.0	
S			15.3	106.3	
		8315' E			
S			16.1	105.5	
C			7.8	13.8	
N			.00	121.6	

		121.58			81+80 H. St. "A" Line 82+80 29
		8350' E			
N			3.5	118.1	
C			10.0	11.6	
S			16.3	105.3	
		8400' E			
S			16.4	105.2	
C			11.6	10.0	
N			5.8	15.8	
		8440' E			
C			9.8	11.8	
		8500' E			
N			5.6	15.0	
C			11.1	10.5	
S			15.9	105.7	
		8560' E			
S			15.9	105.7	
C			10.4	11.2	
N			1.7	19.9	
		8600' E			
N			1.9	19.7	

		121.58			
C			8.9	112.7	
S			15.7	105.9	
		8700' E			
S			14.8	106.8	
C			9.7	11.9	
N			1.9	19.7	
		8730' E			
N			2.0	19.6	
T.P.			4.81	116.77	
T.P.	1.60	110.11	13.07	108.51	
T.P.	5.93	105.75	10.29	99.82	
T.P.			10.85	94.90	to chk on Dodd sewer hub
	9.80	126.57		116.77	
		8750' E			
N			12.0	114.6	
C			16.4	110.2	
S			19.2	107.4	
		8785' E			
C			16.3	110.3	

		126.57			
		8800' E			
S			19.1	107.5	
C			14.0	12.6	
N			11.2	15.4	
		8825' E			
N			4.7	21.9	
C			14.7	11.9	
S			19.0	107.6	= West bank
		8830' E			
S			21.0	105.6	= creek
		8838' E			
S			18.0	108.6	= East bank
		8860' E			
S			18.4	108.2	
C			12.5	14.1	
N			3.1	23.5	
		8880' E			
N			3.9	22.7	
T.P.	8.88	124.07	11.38	115.19	Rock 88+75

		124.07			
C			8.5	115.6	
S			15.4	108.7	
		8885' E			
S			15.3	108.8	top bank
		8886' E			
S			18.8	105.3	creek bottom
		89+06 41' E = P.C.			
S			19.3	104.8	creek bottom
C			10.2	113.9	
N			3.1	21.0	
		89+25 on curve	rt L's to tangent.		
N			3.4	20.7	
C			10.6	13.5	
S			19.3	104.8	creek bottom
		89+58 37 = Ctr of Curve taken rt L's to tangent.			
S			15.1	109.0	
C			9.0	15.1	
N			3.3	20.8	
		90+11 13 = E.C.			
N			8.9	115.2	

		124.07			
C			11.5	112.6	
S			13.9	10.2	
		9035' E			
S			13.7	10.4	
C			11.2	12.9	
N			9.0	15.1	
		9050' E			
N			7.3	16.8	
C			10.3	13.8	
S			14.0	10.1	
		9100' E			
S			13.1	11.0	
C			12.0	12.1	
N			8.0	16.1	
		9120' E			
N			8.5	15.6	
C			12.0	12.1	
S			12.9	11.2	
		9130' E			
S			13.7	110.4	

		124.07			
		9150' E			
S			12.2	111.9	
C			10.5	13.6	
N			7.5	16.6	
		9200' E			
N			6.3	17.8	
C			9.7	14.4	
S			11.6	12.5	
		9216 29/50 = PC			
S			11.2	12.9	
C			9.8	14.3	
N			6.2	17.9	
		9269 23 = Ctr of Curve taken rt 1's to tangent			
N			6.0	18.1	
C			10.3	13.8	
S			11.6	12.5	
		9322 17' E = E.C			
S			11.4	12.7	
C			10.6	13.5	
N			9.9	114.2	

		124.07			
		9360' E			
N			9.5	114.6	
T.P.	8.46	122.36	10.17	113.90	
C			8.3	14.1	
S			9.4	13.0	
		9490' E			
S			9.5	12.9	
C			8.0	14.4	
N			7.6	14.8	
		9450' E			
N			8.3	14.1	
C			7.0	15.4	
S			8.8	13.6	
		9500' E			
S			7.1	15.3	
C			6.5	15.9	
N			7.7	14.7	
		9545' E			
N			6.7	15.7	
C			6.5	115.9	

		122.36			
S			7.3	115.1	
		9550' E			
C			9.2	13.2	
		9570' E			
C			9.1	13.3	
		9585' E			
C			6.2	16.2	
		9600' E			
S			5.9	16.5	
C			5.0	17.4	
N			6.4	16.0	
S		9635' E	7.4	15.0	
S		9650' E 9660' E	9.5	12.9	
N			6.0	16.4	
C			5.9	16.5	
S			9.5	12.9	
		9700 E			
S			8.0	14.4	
C			5.3	17.1	
N			5.0	117.4	

	122.36			
	9750' E			
N		3.8	118.6	
C		4.4	18.0	
S		4.8	17.6	= 1' above grd
	9800' E			
S		4.3	18.1	
C		3.7	18.7	
N		3.6	18.8	
	9850' E			
N		3.0	19.4	
C		3.3	19.1	
S		4.0	18.4	
	9900' E			
S		2.6	19.8	
C		2.6	19.8	
N		2.4	20.0	
	9950' E			
N		1.6	20.8	
C		1.5	20.9	
S		1.3	121.1	

		122.36			
B.M.	12.85	134.24	0.97	121.39	nails in pole 40'30.0 x Sta 9+50
		10000 E or Sta 100			
S			12.6	21.6	
C			13.2	21.0	
N			13.1	21.1	
		100+50	1"		
N			12.6	21.6	
C			12.6	21.6	
S			12.7	21.5	
		Sta 101			
S			12.0	22.2	
C			11.7	22.5	
N			11.3	22.9	
		101+50			
N			10.0	24.2	
C			10.4	23.8	
S			10.8	23.4	
		Sta 102			
S			10.0	24.2	
C			9.0	125.2	

				H ST	"A" Line
		134.2			34
N			7.4	126.8	
		102+50			
N			5.3	28.9	
C			7.0	27.2	
S			8.8	25.4	
		Sta 103			
S			7.0	27.2	
C			5.0	29.2	
N			3.1	31.1	
		103+50			
N			0.4	33.8	
C			2.4	31.8	
S			4.9	29.3	
		Sta 104			
S			3.5	30.7	
T.P.	13.05	146.38	0.91	133.33	
C			13.1	33.3	
N			11.1	35.3	
		104+50			
N			10.0	136.4	

		146.38			
C			12.0	134.4	
S			14.4	32.0	
	Sta. 105.				
S			13.7	32.7	
C			11.5	34.9	
N			9.0	37.4	
	Sta 105+50				
N			8.6	37.8	
C			11.0	35.4	
S			13.3	33.1	
	Sta 106				
S			12.4	34.0	
C			10.6	35.8	
N			7.8	38.6	
		106+50			
N			6.1	40.3	
C			8.6	37.8	
S			10.6	35.8	
	Sta 107				
S			9.5	136.9	

		146.38			
C			6.6	139.8	
N			4.3	42.1	
		107+50			
N			2.1	44.3	
C			4.7	41.7	
S			7.7	38.7	
	Sta 108				
S			6.1	40.3	
C			3.1	43.3	
T.P.	13.09	156.96	2.51	143.87	
N			10.9	46.1	
		108+50			
N			9.1	47.9	
C			13.2	43.8	
S			15.6	41.4	
	Sta 109				
S			13.7	43.3	
C			11.5	45.5	
N			7.4	149.6	

		156.96			
		109+25			
N			5.0	152.0	
C			8.8	48.2	
S			12.7	44.3	
		109+75			
S			9.9	47.1	
C			6.7	50.3	
T.P.	9.26	163.71 ✓	2.51	154.45 ✓	
N			6.4	57.3	
	Sta 110				
N			6.1	57.6	
C			12.4	51.3	
S			15.4	48.3	
		110+30			
S			14.1	49.6	
C			12.1	51.6	
N			8.0	55.7	
		110+60			
N			8.7	55.0	
C			11.0	152.7	

		163.71			
S			14.1	149.6	
		110+70			
N			9.9	53.8	
		110+80			
C			12.0	51.7	
		110+90			
S			19.0	44.7	
C			17.2	46.5	Drain needed
N			13.5	50.2	
	Sta 111				
N			15.0	48.7	
C			11.6	52.1	
S			13.8	49.9	
		111+15			
N			8 ✓	55.3	
		111+30			
S			13.1	50.6	
C			9.8	53.9	
N			7.3	156.1	

		163.71			
		111+60			
N			6.4	157.3	
C			7.4	56.3	
S			12.0	51.7	
	Sta 112				
S			8.4	55.3	
C			5.5	58.2	
N			4.9	58.8	
		112+50			
N			3.1	60.6	
C			4.8	58.9	
S			7.2	56.5	
	Sta 113				
S			7.4	56.3	
C			4.8	58.9	
N			2.4	61.3	
B.M.	13.03	171.82 ✓	4.92	158.79 ✓	nails in pole 40' Sta. of 113+50
		113+50			
N			10.0	61.8	
C			12.0	159.8	

H St. "A" Line

27

	171.82 ✓			
S		13.9	157.9	
	Sta 114			
S		13.5	58.3	
C		10.9	60.9	
N		8.1	63.7	
	Sta 114+50			
N		4.3	67.5	
C		9.0	62.8	
S		11.7	60.1	
	Sta 115			
S		10.0	61.8	
C		7.4	64 ↓ 69.4	
N		2.5	69.3	
	115+50			
N		7.4	69.4	
C		6.2	65.6	
S		9.1	62.7	
	Sta 116			
S		7.8	64.0	
C		5.2	166.6	

		171.82			
N			1.6	170.2	
	Sta	116+50			
N			2.6	69.2	
C			5.5	66.3	
S			8.2	63.6	
	Sta	117			
S			8.1	63.7	
C			5.6	66.2	
N			2.8	69.0	
	Sta	117+59.9 = M.L Hollywood			
N			3.2	68.6	
C			5.7	66.1	
S			7.9	63.9	
B.M.			7.94	63.88	Gas pipe SW. cor. West Hollywood
T.P.	0.01	159.30 ✓	12.53	159.29 ✓	
T.P.			12.71	146.59 ✓	to Sewer B.M. Sta 125 +0.03 on Line ox Hollywood

12/8/16 Gregory Moore Miller

"B" Line of Market St Extension

60+36.74 E.C.

59+80 P.I. Δ 46°00 R. Δ

59+16.33 P.C.

R = 150
ST. = 63.67
E = 12.95
L.C. = 120.43

52+.06.09

44+17 ○ nail on line

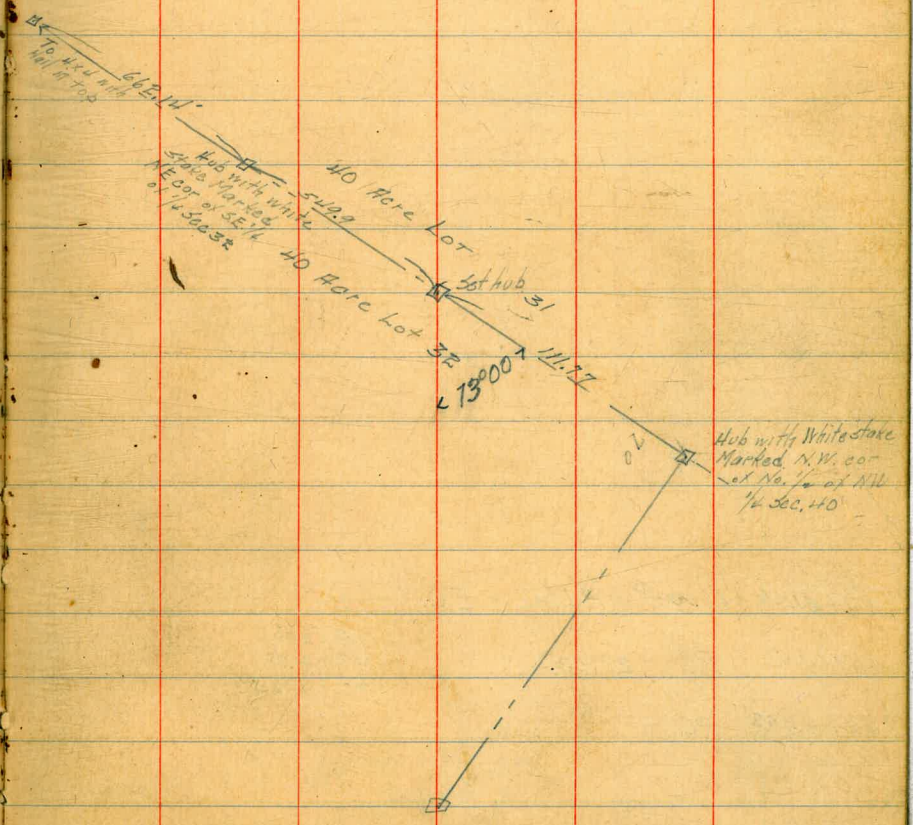
48+69.11 E.C.
on "A" Line see page 2
48+85 P.I. Δ 17°00' L.
47+80.46 P.C.

R = 300'
ST. = 44.84
E = 3.33
L.C. = 89.01

Market St "B" Line

40

66.67

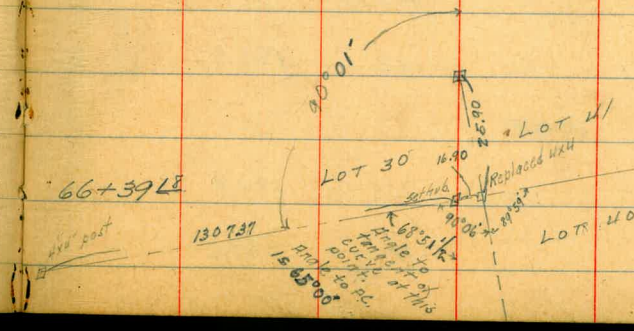


"H" Line
67+31.56 = 66+03.98 on "H" Line = E.C.

66+69.91 P.I. 28°53'L

66+05.53 P.C.

R = 250
T.T. = 64.38
LC = 126.03



12/16/16

LEVELS ON "B" LINE.

ON BM.	0.48	151.64		151.16	406 45+27
		47+80 16	P.C.		
S			9.0	142.6	
C			8.8	142.8	
N			7.8	143.8	
		48+24 66	Center Curve		
N			8.7	142.9	
C			9.0	142.6	
S			9.4	142.2	
		48+69 17	E.C.		
S			9.5	142.1	
C			10.1	141.5	
N			9.6	142.0	
		49+00			
N			10.7	140.9	
C			10.2	141.4	
S			9.3	142.3	
		49+50			
S			10.8	140.8	
C			12.0	139.6	

N			12.6	139.0	
T.P.	1.33	140.15	12.82	138.82	
		50+00			
N			4.7	135.5	
C			2.6	137.6	
S			3.5	136.7	
		50+50			
S			8.7	131.5	
C			7.4	132.8	
N			8.2	131.0	
		51+00			
N			12.9	127.3	
C			13.0	126.2	
S			15.4	124.8	
T.P.	0.20	127.98	12.37	127.78	
		51+35			
S			6.7	121.3	
C			3.2	124.8	
N			4.6	123.4	

		127.98			
		51+60			
N			7.8	120.2	
C			8.8	119.2	
S			10.8	117.2	
		51+65			
S			14.4	113.6	
		51+75			
S			10.4	117.6	
C			13.4	114.6	drain
N			9.4	117.6	
		51+80			
N			12.9	114.1	
		51+85			
N			8.7	118.3	
C			9.2	117.8	
		52+00			
N			7.3	119.7	
C			8.7	118.3	
S			9.7	117.3	

		52+20		
S			8.6	118.4
C			7.3	119.7
N			7.4	119.6
		52+50		
N			1.8	125.2
C			3.0	125.0
S			5.4	122.6
		53+00		
S			3.1	124.9
T.P.	11.01	138.73	0.26	127.72
C			8.8	129.9
N			6.0	132.7
		53+25		
N			3.3	135.4
		53+50		
N			3.2	135.5
C			8.2	130.5
S			17.5	121.2

		13873									
		53+60									
S			19.4	119.3							
		53+75									
S			14.5	124.2							
		54+00									
S			12.4	126.3							
C			10.1	128.6							
N			6.7	132.0							
		54+10									
S			15.4	123.3							
		54+20									
N			7.6	131.1							
C			10.1	128.6							
S		54+45	8.6	130.1							
		54+65									
N			4.3	134.4							
C			4.7	134.0							
S			6.8	131.9							
		55+00									
S			3.6	135.1							
C			1.7	137.5							

										"B" LINE	
N								1.0	137.7		44
T.P.		12.84		150.72				0.85	137.88		
				55+50							
N								8.0	142.7		
C								9.6	141.1		
S								11.6	139.1		
				56+00							
S								6.3	144.4		
C								5.1	145.6		
N								4.2	146.5		
T.P.		12.55		162.72				0.55	150.17		
				56+60							
N								11.9	150.8		
C								12.6	150.1		
S								11.7	151.0		
				57+00							
S								8.5	154.2		
C								9.8	152.9		
N								10.1	152.6		

		162.72		
		57+50		
N			7.2	155.5
C			6.4	156.3
S			2.7	160.0
		57+70		
C			4.9	157.8
T.P.	8.49	169.92	1.29	161.43
		58+00		
S			5.5	164.4
C			7.3	162.6
N			9.7	160.2
		58+35		
C			8.2	161.7
		58+60		
N			6.5	163.4
C			4.7	165.2
S			4.6	165.3
		59+00		
S			4.5	165.4
C			5.3	164.6

N		4.0	165.9
	59+16.33 PC		
N		3.5	166.4
C		4.4	165.5
S		4.4	165.5
	59+76.54 Center Curve		
S		4.2	165.7
C		4.8	165.1
N		5.8	164.1
	60+36.76 EC.		
N		10.1	159.8
C		8.0	161.9
S		5.7	164.2
	61+00		
S		5.4	164.5
C		8.2	161.7
N		10.1	159.8
	61+50		
N		10.6	159.3
C		8.5	161.4

		169.92		
S			5.1	164.8
		61+70		
S			4.1	165.8
		62+00		
S			7.2	162.7
C			10.2	159.7
N			13.1	156.8
T.P.	1.33	158.35	12.90	157.02
		62+50		
N			5.3	153.1
C			3.6	154.8
S			0.1	158.3
		63+00		
S			7.4	151.0
C			9.7	148.7
N			13.7	144.7
		63+35		
N			16.6	141.8
C			13.0	145.4
S			9.3	149.1

		63+38		
C			16.0	142.4
		63+45		
C			13.8	144.6
		63+60		
S			6.5	151.9
C			12.5	145.9
N			21.8	136.6
		64+00		
N			17.0	141.4
C			7.2	151.2
S			2.5	155.9
		64+50		
S			2.1	156.3
C			7.9	150.5
N			13.2	145.2
T.P.	7.21	155.33	10.23	148.12
		65+00		
N			11.5	143.8
C			5.2	150.1

S			0.0	155.3
		65+25		
S			1.4	153.9
C			6.1	149.2
N			11.7	143.6
		65+50		
N			10.4	144.9
C			5.4	149.9
S			1.0	154.3
		66+05 53	= PC.	
S			1.8	153.5
C			6.2	149.1
N			8.7	146.6
		66+68 54	= CC.	
N			12.0	143.3
C			11.1	144.2
S			10.2	145.1
T.P.	4.84	146.64	1303	142.30
		67+31 56	= EC = 66+03 98 on A Line	
S			6.1	140.5

C	5.4	141.2	
N	4.0	142.6	
T.P.	5.28	141.36	B.M. Sta 67.00 = 33

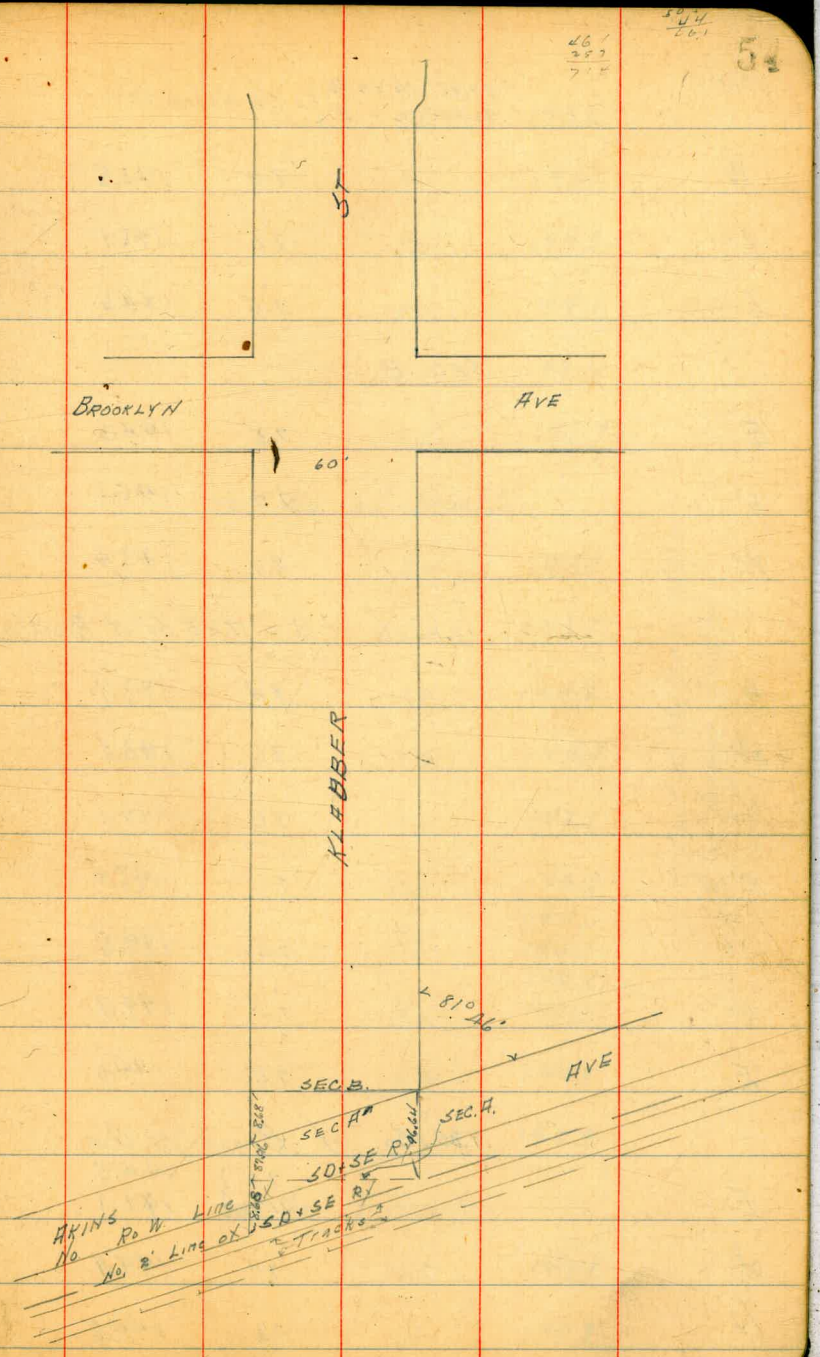
SEE P. 23

6477

10/23/16 Gregory Moore Miller.

LEVELS ON KLAUBER ST 60.' wide from S.D.+S.E.Ry Track to N.L. Brooklyn Ave.

B.M.	2.14	152.14		150.00 = assumed elev. P is above ground on cinch stone eastern corner of curb
No. Rail at West line of St.			2.87	149.27
" " East " " "			2.26	149.88
		No. 2' Line of Ry.		
W			4.1	148.0
C			3.0	149.1
E			3.8	148.3
		8.68 No. on W. 00 " E	= SEC. A	
E			3.8	148.3
C			3.4	148.7
W			8.4	143.7
		46.1' No of SEC. A =		
W			8.5	143.6
C			6.4	145.7
E			7.7	144.4
		71.4' No. of A		
E			7.5	144.6
C			7.0	145.1
W			8.5	143.6



87.96' No. on W } = N.L. AKINS AVE
96.64' " " E }

W		8.6	143.5
C		7.0	145.1
E		7.5	144.6
	SEC B.		
E		7.5	144.6
C		7.0	145.1
W		8.7	143.4
	12.4' No. of B. = 745 So. of Brooklyn Ave.		
W.		8.4	143.7
cb		8.6	143.5
1/4		8.0	144.1
C		7.1	145.0
1/4		7.6	144.5
cb		7.4	144.7
E		7.5	144.6
	735' So. of Brooklyn Ave.		
E		7.6 }	144.5
		11.0 }	141.1
cb		7.7	144.4
1/4		7.3	144.8

+4		8.5	143.6
C		8.4	143.7
+3		7.2	144.9
1/4		8.0	144.1
cb		8.5	143.6
W		8.4	143.7
	730' So. of Brooklyn		
W		8.4	143.7
cb		8.4	143.7
1/4		7.9	144.2
+6		7.3	144.7
+8		9.0	142.1
C		9.3	142.8
1/4		9.1	143.0
		7.6	144.5
+5		7.8	144.3
		11.0	141.1
cb		11.4	140.9
E		11.4	140.9
	725' So. of Brooklyn.		
E		11.0	141.1
cb		11.2	140.9

5' East of Center = approx. E of former bridge

1/4			11.0	141.1
C			9.7	142.4
+2			9.4	142.7
+3			7.3	144.8
1/4			7.8	144.3
ob			8.2	143.9
W.			8.3	143.8
		720 So. of Brook 1/11		
W			8.3	143.8
ob			8.3	143.8
1/4			7.9	144.2
			9.8	142.3
+5			11.2	140.9
+7			10.1	142.0
C			10.2	141.9
1/4			10.8	141.3
ob			11.0	141.1
E			11.1	141.0
		718' So		
E			11.1	141.0
ob			11.0	141.1

1/4			10.9	141.2
C			10.9	141.2
+4			11.6	140.5
1/4			11.8	140.3
+6			11.6	140.5
ob			10.4	141.7
+3			8.3	143.8
W			8.4	143.7
		713' So.		
W			12.2	139.9
ob			11.7	140.4
1/4			11.6	140.5
C			11.3	140.8
1/4			11.2	140.9
ob			11.4	140.7
E			11.4	140.7
		700 So.		
E			11.1	141.0
ob			11.6	140.5
1/4			11.4	140.7

C			11.2	140.7	
1/4			11.7	140.4	
cb			12.0	140.1	
W			12.0	140.1	
		685' So.			
W			11.9	140.2	
cb			11.5	140.6	
1/4			11.2	140.8	
C			10.9	141.2	
1/4			10.2	141.7	
cb			10.8	141.3	
E			9.5	142.6	
		670' So.			
E			8.7	143.4	
cb			8.3	143.8	
+5			7.1	145.0	
+7			9.0	143.1	
1/4			8.6	143.5	
C			8.7	143.4	
+1			7.2	144.9	

5' East of center = 8' of former bridge

1/4			11.2	140.9	
cb			11.3	140.8	
W			11.3	140.8	
		650' So.			
W			9.5	142.6	
cb			9.2	142.7	
1/4			8.9	143.2	
+4			8.5	143.6	
C			5.2	146.7	
1/4			5.0	147.1	
+2			5.3	146.8	
+6			7.8	144.3	
cb			8.1	143.0	
E			8.3	143.8	
		600' So			
E			7.6	144.5	
cb			2.6	149.5	
W			7.8	144.3	
		585' So			
W			7.2	144.7	

		152.14		
C			1.3	150.8
E			6.5	145.6
		580' So.		
E			4.7	147.4
C			0.9	151.2
W			5.8	145.3
		550' So.		
W			1.3	150.8
T.P.	12.85	164.57	0.42	151.72
C			10.0	154.6
E			8.6	156.0
		500' So.		
E			3.2	160.4
C			5.0	159.6
W			6.1	158.5
		450' So.		
W			0.5	164.1
T.P.	11.73	176.10	0.20	164.37
C			11.2	164.9
E			9.2	166.9

		400' So.		
E			5.9	170.2
C			6.9	169.2
W			7.0	169.1
		350' So.		
W			2.3	173.8
C			2.7	173.4
E			1.3	174.8
T.P.	12.64	187.92	0.82	175.28
		315' So.		
E			9.7	178.2
C			11.2	176.5
W			10.3	177.6
		300' So.		
W			8.9	179.0
C			10.1	177.8
E			8.0	179.9
		275' So.		
E			5.6	182.3
C			7.9	180.0

		187.02			
W			7.3	180.6	25
		250' So.			
W			5.1	182.8	
C			5.9	182.0	
E			3.9	184.0	50
		200' So			
E			0.2	187.7	
C			1.8	186.1	
W			0.8	187.1	
T.P.	12.65	200.22	0.35	187.57	50
		150' So.			
W			9.4	190.8	
C			10.4	189.8	
E			9.1	191.1	50
		100' So.			
E			6.3	193.9	
C			6.3	193.9	
W			5.7	194.5	
		50' So			
W			2.3	197.9	

KLAUBER

C			3.2	197.0
E			4.0	196.2
S.L. Brooklyn Ave 60' wide				
E			2.3	197.9
C			0.6	199.6
T.P.	5.33	204.12	1.43	198.79
W			3.7	200.4
Center Brooklyn				
W			2.3	201.8
C			3.2	200.9
E			5.4	198.7
N.L. Brooklyn				
E			4.6	199.5
C			2.1	202.0
W			1.0	203.1
T.P.			2.70	201.42 nail & tin pole SW Brooklyn & Klauber

Approximate levels on 40th St from H St No. to aid in laying grades on H St.

	130.61		
	N.L. H St.		
E		9.5	121.1
W		13.7	116.9
	50' No. of H		
W		12.6	118.0
	100' No. of H		
W		3.6	127.0
E		4.5	126.1
	200' No. of H.		
E		2.5	128.1
W		1.5	129.1
	250		
W		0.0	130.6
E		1.1	129.5

very little change further north for 300'

Approximate levels on 41st St from H St No. to aid in laying grades on H St

	137.04		
	N.L. H St		
W		9.4	127.6
E		6.1	130.9
	100' No.		
E		3.2	133.8
W		5.8	131.2
	200' No.		
W		6.2	130.8
E		2.0	135.0
	300' No.		
E		0.0	137.0
W		3.2	133.8

rises about 10' in next 200'

Approximate Levels on 42nd St
No. of H to aid in laying
grades on H St.

141.68
N.L. H St.

W			2.0	139.7
E			6.3	135.4
T.P.	1300	154.56	0.12	141.56
		100' No.		
W			12.1	142.5
E			16.1	138.5
		200' No.		
E			9.9	144.7
W			6.6	148.0
		300' No.		
W			4.2	150.2
E			6.0	148.6

W side is 4' higher in 300'

E - - 6' lower - -

Approximate level on 43rd & 5t
No. of H to aid in laying grades on H St (taken as 80' wide 40' on each side of 40 acre lot line)

130.25

N.L. H St.

W		3.6	126.7
E			
	100' No.		
E		6.0	124.3
W.		2.9	127.4
	200' No		
W		0.0	130.3
E		2.4	127.9
	300' No		
E		0.0	130.3
W		+2.6	132.9

Level for 300' No.

KLAUBER ST BRIDGE

Cromwell
Hayler
Suess

3-28-17

68

-	-0.02	149.25		149.27	Top of N	Rail W. St Line
			4.17	145.08	Road on	South
			4.28	144.97	Hub on	S. Bank
			2.85	146.40	Hub on	N Bank
			8.88	140.37	Bottom	

Made Floor of Bridge 146.00 Level

7/9/17 Gregory Moore Miller

Survey ox Road from 60' wide.
Market St Extension
to Connect with County
Road Survey to Lemon Grove.

11+07

10+87

10+65

10+50

9+50

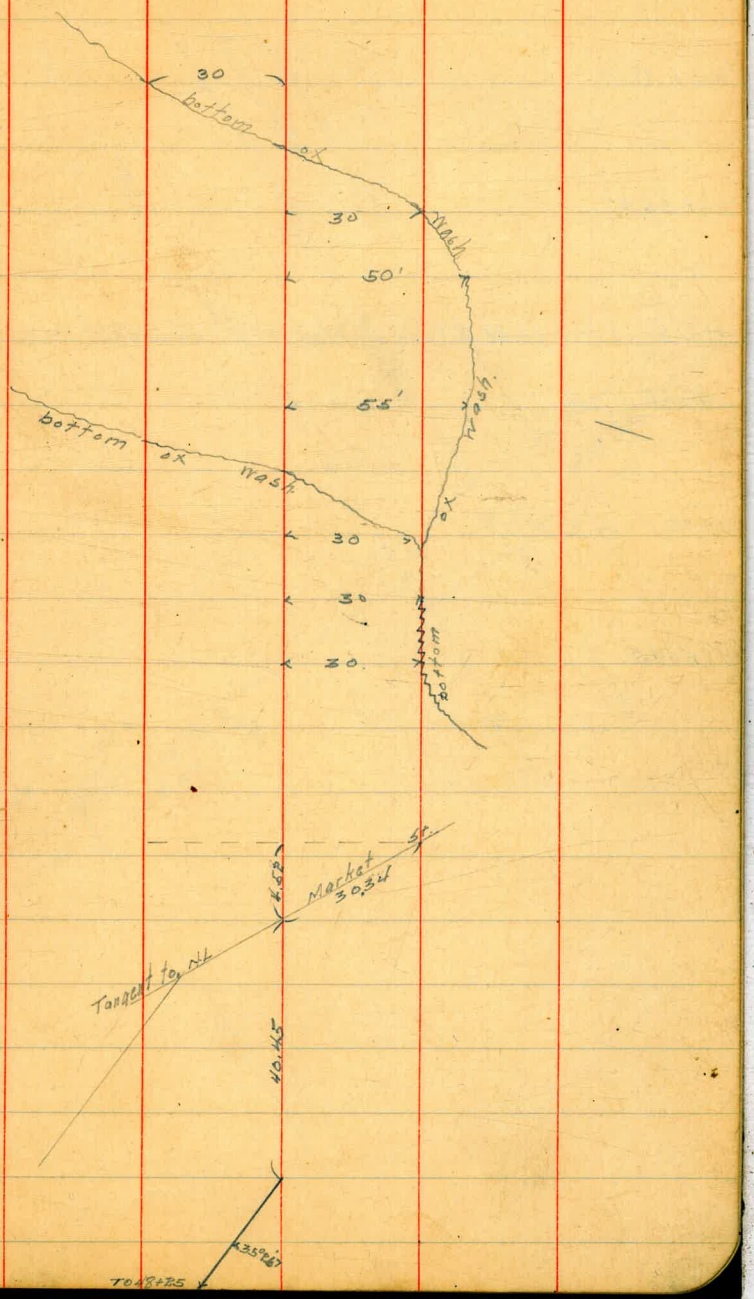
9+27

9+19

8+90

8+75

"B" Line
59+80 = 0.0 Δ 35°26' L



26+98.72

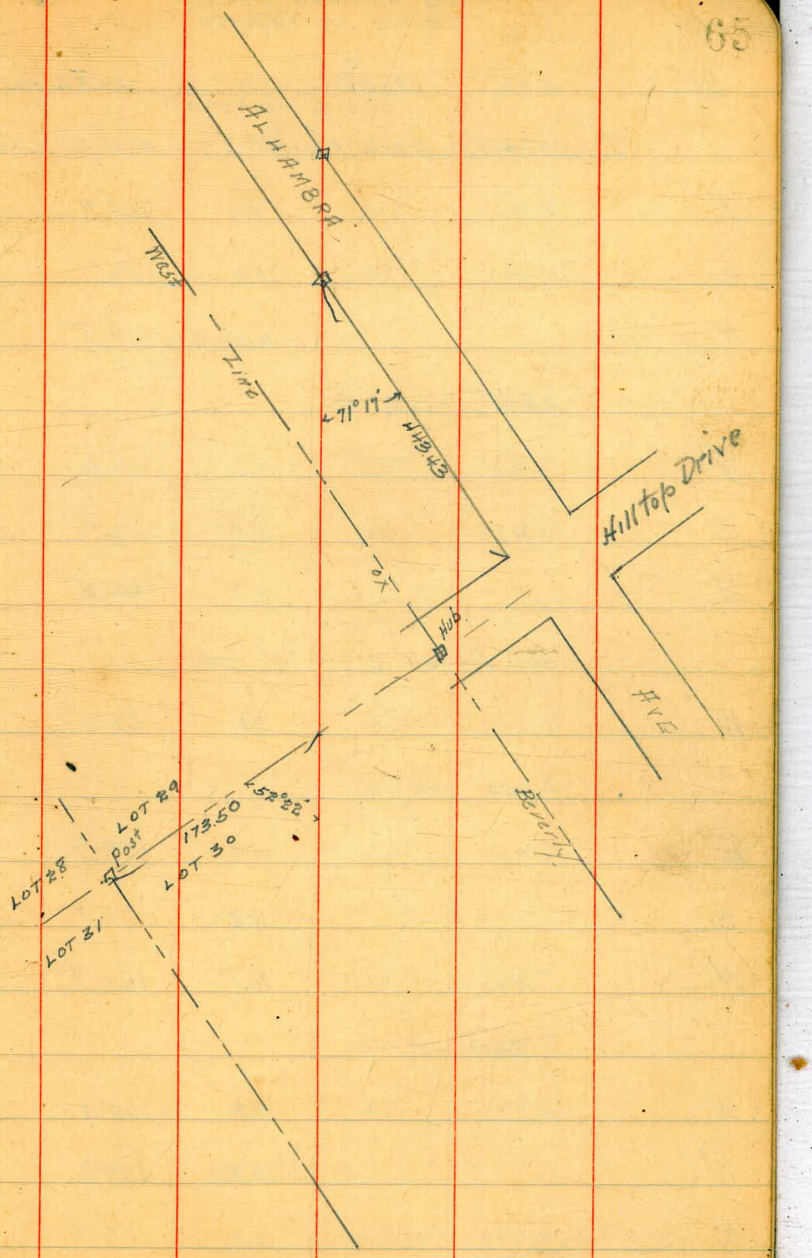
26+35.37

See Book 1012 page 67 for continuation of branch road

19+90 ' Δ

13+00 Δ 33°30½ R.

12+44.7



Levels on Road Survey
Shown on Page 64

B.M.	5.82	171.58 ✓		165.76 hub 59+80.
		00 ± ℄ Market St.		

Tangent on No. Line Market St. = 40.45 No. of 00

E			9.9	161.7
C			8.9	162.7
W			7.1	164.5
	45.97' No on ℄			
W			7.6	164.0
C			8.9	162.7
E			7.1	164.5
	70' No on ℄			
W			8.2	163.6
	100' No.			
E			11.9	159.7
C			11.5	160.1
W			10.8	160.8
	160' No.			
W			11.3	160.3
C			12.3	159.3
E			12.2	159.4

171.58

200' No

E		10.5	161.1
C		10.7	160.9
W		11.1	160.5
250' No.			
W		8.0	163.6
C		7.7	163.9
E		7.6	164.0
T.P.	xxx	xxx	
300' No			
E		3.4	168.2
C		4.0	167.6
W		4.1	167.5
350' No			
W		1.9	169.7
C		2.8	168.8
E		3.4	168.2
400' No.			
E		3.8	167.8
C		3.1	168.5

		171.58		
W			2.2	169.4
		450' No		
W			2.1	169.5
C			3.4	168.2
E			3.9	167.7
		500' No		
E			5.0	166.6
C			4.3	167.3
W			3.1	168.5
		550' No		
W			3.1	168.5
C			5.7	165.9
E			7.1	163.9
		600' No		
E			12.9	158.7
C			9.1	162.5
W			7.0	164.6
T.P.	1.82	161.73	11.67	159.91

		161.73		
		650 No		
W			0.5	161.2
C			4.0	157.7
E			7.8	153.9
		700' No		
E			10.7	151.0
C			6.9	154.8
W			3.2	158.5
		750' No		
W			2.7	159.0
C			6.2	155.5
E			11.3	150.4
		800' No		
E			14.7	147.0
C			8.8	152.9
W			5.4	156.3
		850' No		
W			9.8	151.9
T.P.	0.73	149.18	13.28	148.45
C			1.3	147.9

		149.18			
E			4.8	144.4	
		875' No.			
E			12.5	136.7	creek bott
		890' No			
E			12.4	136.8	creek bottom
C			2.8	146.4	
W			2.1	147.1	
		919' No.			
W			7.3	141.9	
C			9.1	140.1	
E			13.9	135.3	
		924' No			
W			11.0	138.2	
E			11.7	137.5	
		927' No.			
C			12.2	137.0	
		931' No.			
C			9.3	139.9	
W			6.1	143.1	

		149.18			
		950' No			
E			10.0	139.2	
C			8.4	140.8	
W			4.1	145.1	
		1000' No			
W			2.1	147.1	
C			6.5	142.7	
E			8.7	140.5	
		1058 No			
E			9.7	139.5	
C			7.7	141.5	
W			4.5	144.7	
		1065' No			
E			12.8	136.4	
		1070' No			
E			10.3	138.9	
		1087' No			
C			11.6	137.6	
		1090 No			
W			6.6	142.6	

		149.18		
		1092' No.		
C			9.3	139.9
		1107' No.		
W			11.1	138.1
C			6.7	142.5
E			5.8	143.4
		1117' No.		
W			8.8	140.4
		1150' No.		
E			1.9	147.3
C			4.1	145.1
W			4.6	144.6
T.P.	12.51	141.10	0.59	148.59
		1200' No.		
W			9.4	151.7
C			11.2	149.9
E			9.6	151.5
		1250' No.		
E			7.2	153.9
C			7.2	153.9

		161.10			
W			6.5	154.6	
		1300' No. △ E + W readings on split of △			
W			3.1	158.0	
C			2.7	158.4	
E			3.9	157.2	
BM.	12.55	171.02	2.63	158.47	Hub at 13+00
		1350' No.			
E			11.6	159.4	
C			10.7	160.3	
W			9.5	161.5	
		1400' No.			
W			6.9	164.1	
C			7.6	163.4	
E			8.8	162.2	
		1450' No.			
E			6.5	164.5	
C			6.9	164.1	
W			6.2	164.8	
		1470' No. on ℄			
E			4.3	166.7	

		171.0 ±		
		1500' No.		
W			4.7	166.3
C			5.2	165.8
E			5.2	165.8
		1520' No.		
W			3.8	167.2
		1550' No.		
E			4.1	166.9
C			4.0	167.0
W			2.2	168.8
		1585 No.		
E			2.8	168.2
		1600' No.		
W			2.3	168.7
C			3.8	167.2
E			4.3	166.7
		16+50		
E			4.2	166.8
C			3.5	167.5
W			3.1	167.9

		171.0 ±		
		1700		
W			3.2	167.8
C			4.4	166.6
E			4.9	166.1
		17+50		
E			4.5	166.5
C			3.4	167.6
W			3.2	167.8
		18+00		
W			3.3	167.7
C			3.4	167.6
E			3.8	167.2
		18+50		
E			5.0	166.0
C			4.2	166.8
W			3.3	167.7
		19+00		
W			2.6	168.4
C			4.6	166.4
E			4.8	166.2

		171.02			
		19+50			
E			5.3	165.7	
C			4.6	166.4	
W			3.4	167.6	
		19+90			
W			3.2	167.8	
		20+00			
W			5.4	165.6	
C			4.5	166.5	
E			5.2	165.8	
		20+25			
C			5.9	165.1	
		20+45			
E			5.9	165.1	
C			9.3	161.7	
TP.	2.36	160.39 ✓	12.99	158.03 ✓	
W.			1.4	159.0	
		20+75			
W			8.5	151.7	

		160.39			
		21+00			
W			11.7	148.7	
C			10.2	150.2	
E			1.5	158.9	
		21+15			
W			14.9	145.5	
		21+30			
W			17.6	142.8	bottom wash
		21+25			
W			14.5	145.9	
		21+39			
E			9.1	151.3	
C			17.8	142.6	bottom wash
W			13.6	146.8	
		21+44			
C			17.8	142.6	
		21+53			
C			14.7	145.7	
		21+90			
E			17.1	143.3	

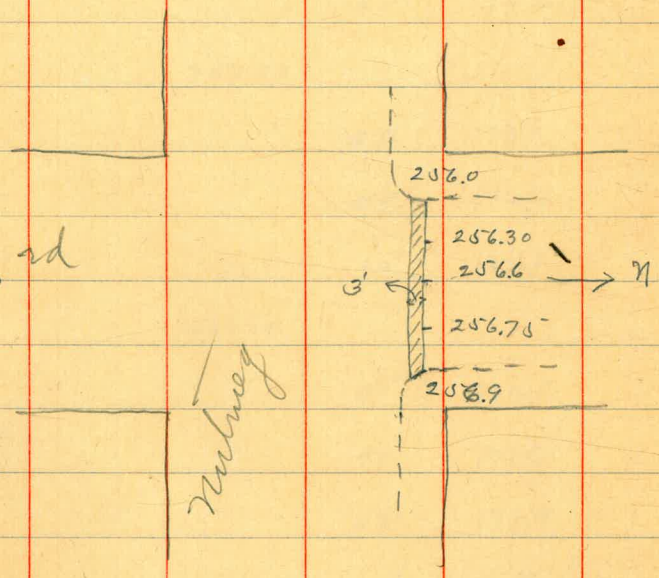
		160.39			
		22+00			
W			6.1	154.3	
C			12.7	147.7	
E			19.8	140.6	bottom
		22+05			
E			19.8	140.6	
		22+15			
E			16.7	143.7	
		22+30			
E			15.7	144.7	
C			7.8	152.6	
T.P	12.67	172.99	0.07	160.32	
W			10.5	162.5	
		22+50			
W			5.9	167.1	
		22+65			
W			3.5	167.5	
C			6.5	166.5	
E			17.6	155.4	

		172.99			
		22+95			
E			6.1	166.9	
		23+00			
E			5.3	167.7	
C			3.0	170.0	
W			0.2	172.8	
T.P.	5.77	178.60	0.16	172.83	
		23+50			
W			3.8	174.8	
C			5.5	173.1	
E			8.1	170.5	
		24+00			
E			8.1	170.5	
C			6.4	172.2	
W			5.1	173.5	
		24+30			
W			3.5	175.1	
		24+50			
W			4.5	174.1	
C			5.8	172.8	

		178.60			
E			7.3	171.3	
		25+00			
E			7.1	171.5	
C			5.7	172.9	
W			4.4	174.2	
		25+50			
W			5.0	173.6	
C			5.9	172.7	
E			6.5	172.1	
		26+00			
E			9.1	169.5	
C			7.0	171.6	
W			4.7	173.9	
		26+35.37 on ℄ = W.L. Alhambra Arc			
W			4.4	174.2	= W.L. Alhambra
C			6.5	172.1	= " "
E			9.3	169.3	= W.L. Alhambra
chk TP.			1.42	177.18	

Cross walk at 3rd and Nutmeg Oct. 17/17 Childs, Evans, Moore 74

B.M.		H.I. 261.49	256.04	N.W. cor 3rd & Nutmeg
	5.45			
	256.75	256.6	256.30	
	4.74	4.89	5.19	



11/23/73 Gregory Levels 5 5-x 2 ox Plaza Del Norte

	0.42	68.44			
	(1096-51) 1.79	57.39	12.84	68.02	
322 book for former notes				55.60	
2+58.64 = P.C.			3.1	54.3	
3			4.3	53.1	
+50			5.7	51.7	
+71.71 = P.R.C.			6.1	51.3	
4			7.1	50.3	
+50			8.7	48.7	
+97.81 = E.C.			9.9	47.5	
5			10.0	47.4	
+50			10.8	46.6	
+65.81 P.C.			11.1	46.3	
6			12.1	45.3	
T.P.	0.83	46.50	11.72	45.67	
+50			2.7	43.8	
+72.19 E.C.			3.5	43.0	
7			4.9	41.6	
+42.19 = P.C.			6.8	39.7	
+50			7.1	39.4	
+90			9.5	37.0	✓

Plotted Nov 24 1973 See L 1383 · H.C.B.

10.38 2.15 51.60 10.38 20.67 22.26 +0

		46.50			
8			11.7	34.8	
T.P.	-0.06	34.82	11.62	34.88	
+15			5.9	28.9	
+28			11.4	23.4	
+50			11.1	23.7	20' N = 10.6 higher
+58.23 = E.C.			10.9	23.9	
+69			8.2	26.6	
+76			10.2	24.6	
9+00.73 = P.C.			11.2	23.6	10' N = 6.6 higher
+18 = sewer pipe			9.86	24.96	Top of 6" CI.
+25			8.7	26.1	
+32			10.1	24.7	
+50			9.8	25.0	10' N = 2' higher
+55			9.7	25.1	
+57			12.7	22.1	
+70			14.8	20.0	
+82			13.5	21.3	
+86			10.4	24.4	
10			11.4	23.4	
+05.85 = E.C. = End of 2" line			11.8	23.0	✓

4" line

		34.8		
T.P.	6.32	29.14	12.00	22.82
10+45.85 = P.C.			8.0	21.1
11			9.5	19.6
+10			9.6	19.5
+35			6.0	23.1
+55			10.3	18.8
12			11.4	17.7
+13.5 = E C			11.2	17.9
+50			11.0	18.1
+65			10.7	18.4
+67			12.5	16.6
+69			10.7	18.4
+76			10.5	18.6
+76.2			12.9	16.2
+78			13.0	16.1
+79			10.5	18.6
+90			10.5	18.6
+96			13.0	16.1
13			10.0	19.1
+05.87 = P.C.			10.2	18.9

2" line.

		29.14		
+50			9.5	19.6
T.P.	9.33	28.70	9.77	19.37
14+04.04 = E.C.			7.1	21.6
14+31.54 = P.C.			6.1	22.6
+50			5.4	23.3
15			3.0	25.7
+18.61 = 10° E o x L o x Vista			2.1	26.60
			0.78	27.92 on BM

2" line.

11/23/23 Gregory Levels 20' W of EL of Neptune Pl. Xfrom 10'S of ℄ of Westbourne to 10'S. of ℄ of Bonair

	9.63	34.47	25.34	BM on steps.	
	10.29	44.53	0.73	34.24	
	5.00	37.23	12.30	32.23	
	6+74.5				
0+00=10'S of ℄ Westbourne			13.50	23.7	
+10	6+64.5		14.50	22.7	
+27	6+47.5		13.00	24.2	
+35	6+39.5		7.4	29.8	
+70	6+04.5		6.5	30.7	
+99	5+75.5		5.8	31.4	
1+07	5+67.5		9.2	28.0	
+15	5+59.5		5.9	31.3	
+60	5+14.5		5.6	31.6	
2	4+74.5		5.3	31.9	
+50	4+24.5		5.3	31.9	
3	3+74.5		5.2	32.0	
	3+35.0				
+39.5=10'S of ℄ of Nautilus			5.2	32.0	
4	2+74.5		4.4	32.8	
+50	2+24.5		3.8	33.4	
5	1+74.5		3.1	34.1	
+56	1+18.5		2.9	34.3	

37.23

+80	0+94.5	8.7	28.5	339.5 295 44.5 67.45
6	0+74.5	9.7	27.5	
+30	0+44.5	8.9	28.3	
+60	0+14.5	9.5	27.7	
+74.5=10'S. of ℄ of Bonair		10.9	26.3	27° from profile

Plotted Nov 24 1923
See L 1383
JH.RB.

~70'
NS

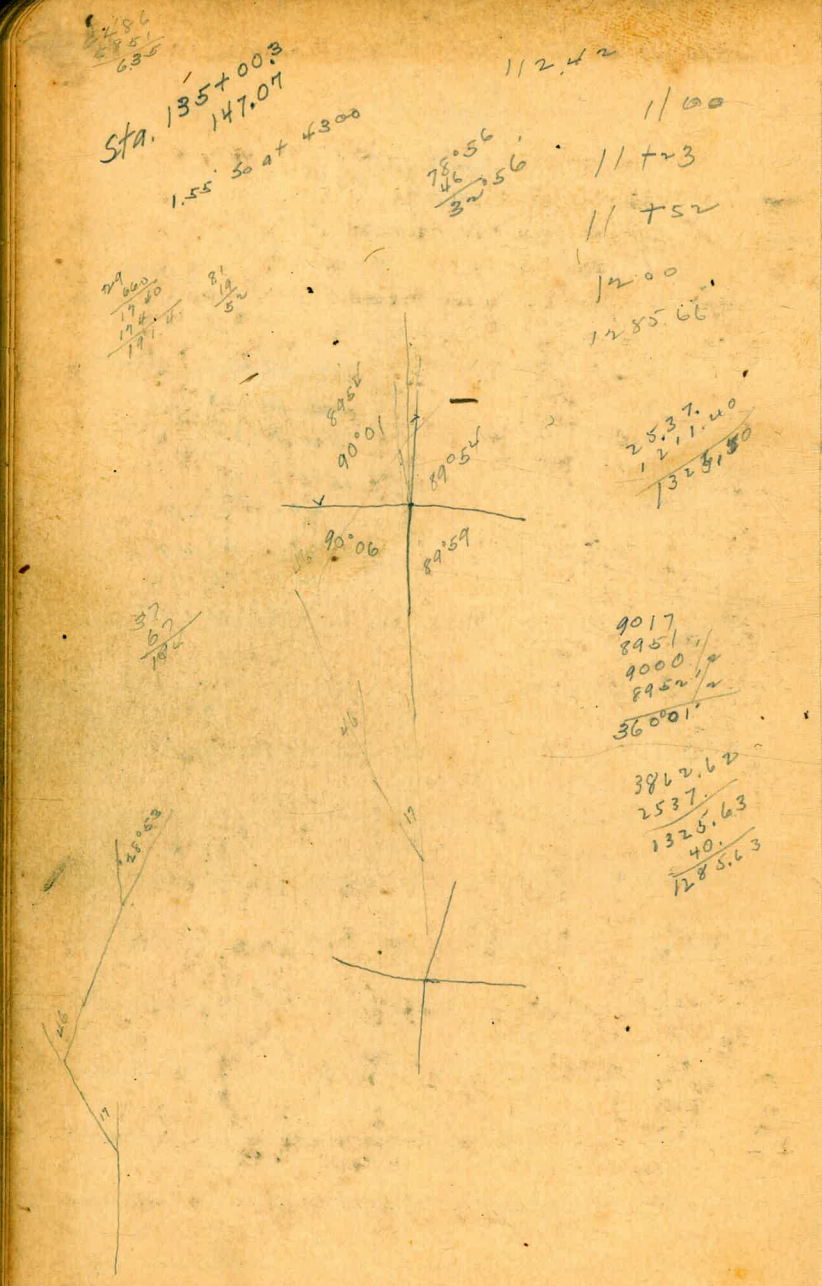
9:27 11.0 W 11.7
931 6.1 W

947 1:2 C
932 9.3 C

1061 12.8 E
1070 10.3 E
1087 11.6 C bottom
1092 9.3 C

1117 8.8 W

~~1470 E 4.3~~
1520 W 3.8
1585 E 2.8
2025 C 5.9
2111 W 14.9
2120 W 17.6
2125 W 14.5



DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.