1711

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6+(20—16)÷2 or 2 ft. added to 30.6 =32.6. For slopes of 1 on 1½ see inside of back cover.

1711

CITY ENGINEER'S OFFICE

This Field Book is manufactured of a High Grade 50% Rag Paper having a WATER RESISTING SURFACE, and is sewed with Bing Special Enamel Waterproof thread.

Made in U. S. A.

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X-Sect. of 15' Alley in Block 21 Lexington Park.

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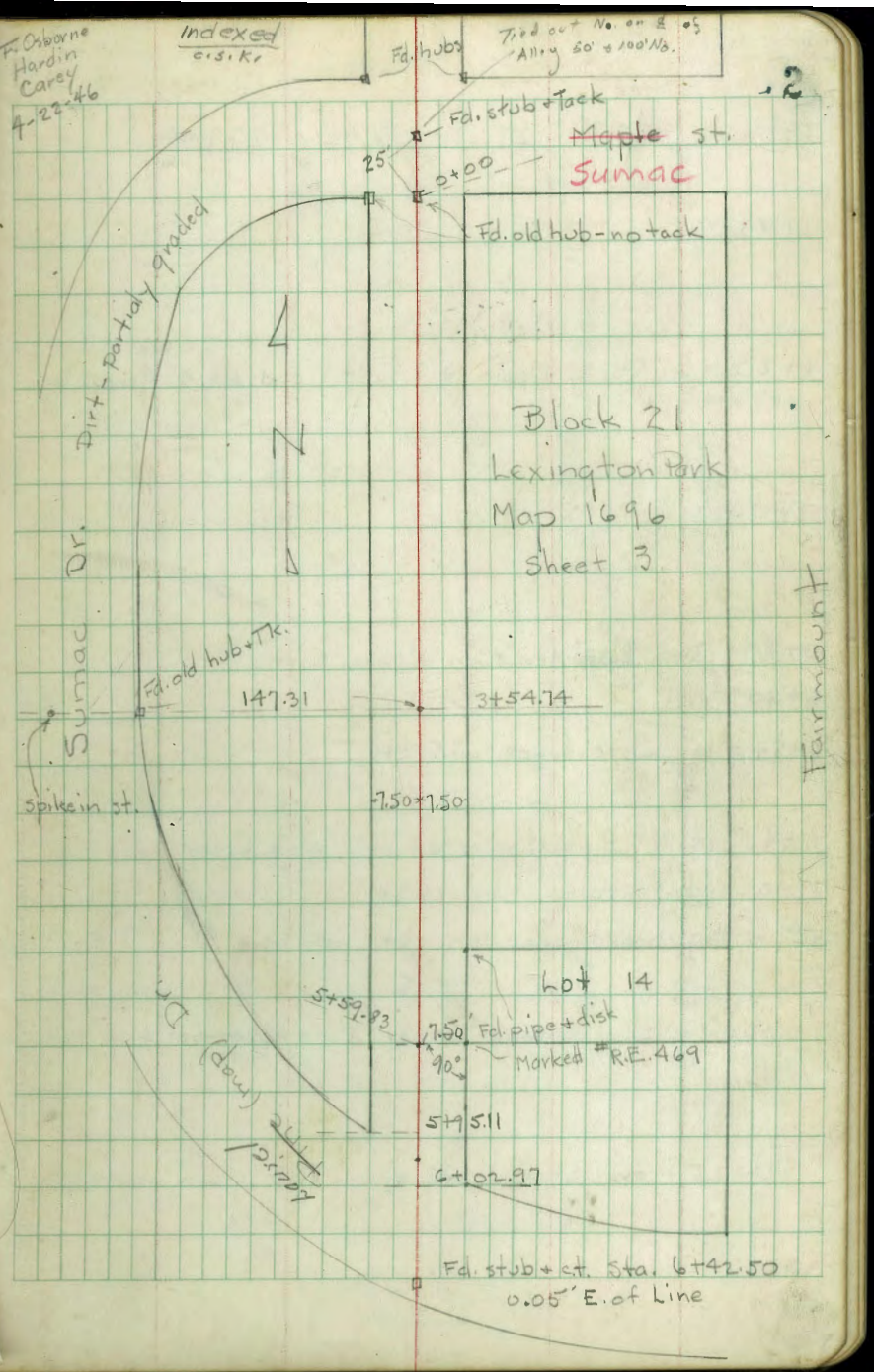
	1.40	287.90	10.44	286.50	
	1.63	296.94	6.17	295.31	
B.M. Quince + Fairmount	4.29	301.48		297.19	S.E.B.P.



T.P. 2.27 281.71 8.46 279.44

1+50

1+20 = 6.1 Rt. = ℄ P. pole & 7.3 Rt. = end of 4" Conc. cb. + fence

1+00

0+80 - Beg. Board fence on 4" Conc. Curb.
0+80 = end " " 7.4 Lt.
0+54 - beg. wire fence 7.5 Lt.

0+45 = ℄ Single garage on Lt. dirt floor
0+40 = end fence - 7.4 Lt.
0+22 - Beg. board fence on Lt. on line

0+00 = ℄ Sumac Dr. or Pine Dr. - per map 1696

0-25 - on stub. - may be an elev. given in 1628

Lt	℄	Rt.
79.4 8.5 7.5	79.3 8.6	79.1 8.8 7.5
		78.8 9.1 20
		80.18 7.72 7.3 = Top E. edge cb.
80.5 7.4 7.5	80.3 7.6	80.5 7.4 7.5
		80.4 7.5 15
		80.85 7.05 7.6 = Top E. edge cb.
81.8 6.1 12 ± floor of garage	81.7 6.2 7.5	80.9 7.0
80.8 7.1 7.5		80.6 7.3 15
82.3 5.6 7.5	81.9 6.0	82.2 5.7 7.5
		81.3 6.7 15
	281.76 6.14	

287.90

3+84 – 5.2′ Rt. = " " " " – s. end.

3+58 – 4.9′ Rt. ℄ of 3′ Hedge – N. end.

3+50

3+00

2+80 – 6′ Rt. = ℄ P. pole + 6.8 Rt. = end of slat fence

2+46 = ℄ Single gararge on Lt. – dirt floor

2+40 – 6.8 Rt. beg. slat fence

2+00

1
0+70 = ℄ Double gararge on Rt. – dirt floor

1
0+68 = ℄ of Double gararge on Lt. – Dirt floor

Lt. ℄ Rt.

75.0 6.7 7.5 | 75.0 6.7 | 74.9 6.8 7.5 | 74.9 6.8 5.5

76.5 5.2 7.5 | 76.3 5.4 | 76.2 5.5 7.5 | 76.9 5.8 5.5

Floor gar. = 2.0

78.2 3.5 | 77.6 4.1 7.5 | 77.3 4.4 | 77.3 4.4 7.5 | 77.3 4.4 5.5

78.6 3.1 7.5 | 78.2 3.5 | 78.2 3.5 7.5 | 77.8 3.9 5.5

76.8 2.9 10.4 = floor gararge

79.3 2.4 10 = floor.

281.71

5+75

5+60

5+59.6 - 7.6 Lt. = " " " " " " " " " "

5+20 - 7.6 Lt. = W. edge of 3" pipe 4' high - set in Conc.

5+15

5+00 - 5.6 Rt. = ℄ P. pole

4+80 = S. end Conc. slab on Rt. = Driveway to gar. set way back

4+68 - 7.1 Rt. = end picket fence

4+42 = N. end Conc. slab on Rt.

4+39 - 7.1 Rt. = end of board + begin picket fence

T.P. 2.27 274.59 9.39 272.32

4+01 - 6.2 Rt. = ℄ P. pole

4+00 - 6.2 Rt. = beg. board fence

70.1 69.9 68.3 68.1 68.4 69.5 69.5

4.5 4.7 6.3 6 6.2 5.1 5.1
12 7.5 4 5 4 7.5 5

70.1 69.7 69.1 69.3

4.5 4.9 5.2 5.3
7.5 7.5 5

70.1 70.1 69.8 69.5

4.5 4.5 4.8 5.1
7.5 7.5 5

71.2 71.1 71.19 70.6

3.4 3.5 3.30 3.40 4.0
7.5 7.2 S.E. Cor. Slab 5 on conc. on ground

72.3 72.3 72.72 72.34

2.3 2.3 2.37 2.25 on conc.
7.5 7.1 N.E. Cor. Conc. Slab 19 = N.W. Cor. Slab - side of house

274.59

73.5 73.3 73.6 73.6

8.2 8.4 8.1 8.1
7.5 5

281.71

Alley Blk. 21

6+42.50 - on stub. to check elev. if any.

6+09.04 = Approx. cb. line

6+02.97 = S.L. Sumac on E.L. Alley

5+95.11 = S.L. Sumac on W.L. Alley

5+91

Lt. ℄ Rt

264.79

9.80

264.85

B 1335 P 64

	65.6	65.3	65.4	65.3	65.4	
	9.0 / 15	9.3 / 7.5	9.2	9.3 / 7.5	9.2 / 15	
67.0	67.0	66.0	65.5	65.5	65.3	
7.6 / 12		8.6 / 7.5	9.1	9.1 / 7.5	9.3 / 15	
70.1	69.0	66.6	66.2	66.1	66.0	
4.5 / 12	5.6 / 7.5	8.0 / 5	8.4	8.5 / 7.5	8.6 / 15	
70.3	69.0	67.0	66.5	66.7	69.8	69.8
4.3 / 12	5.6 / 7.5	7.6 / 5	8.1	7.9 / 6	4.7 / 7.5	4.8 / 15

274.59

Cross Section Alleys Block 18 & 19
Lexington Park
Levels next page

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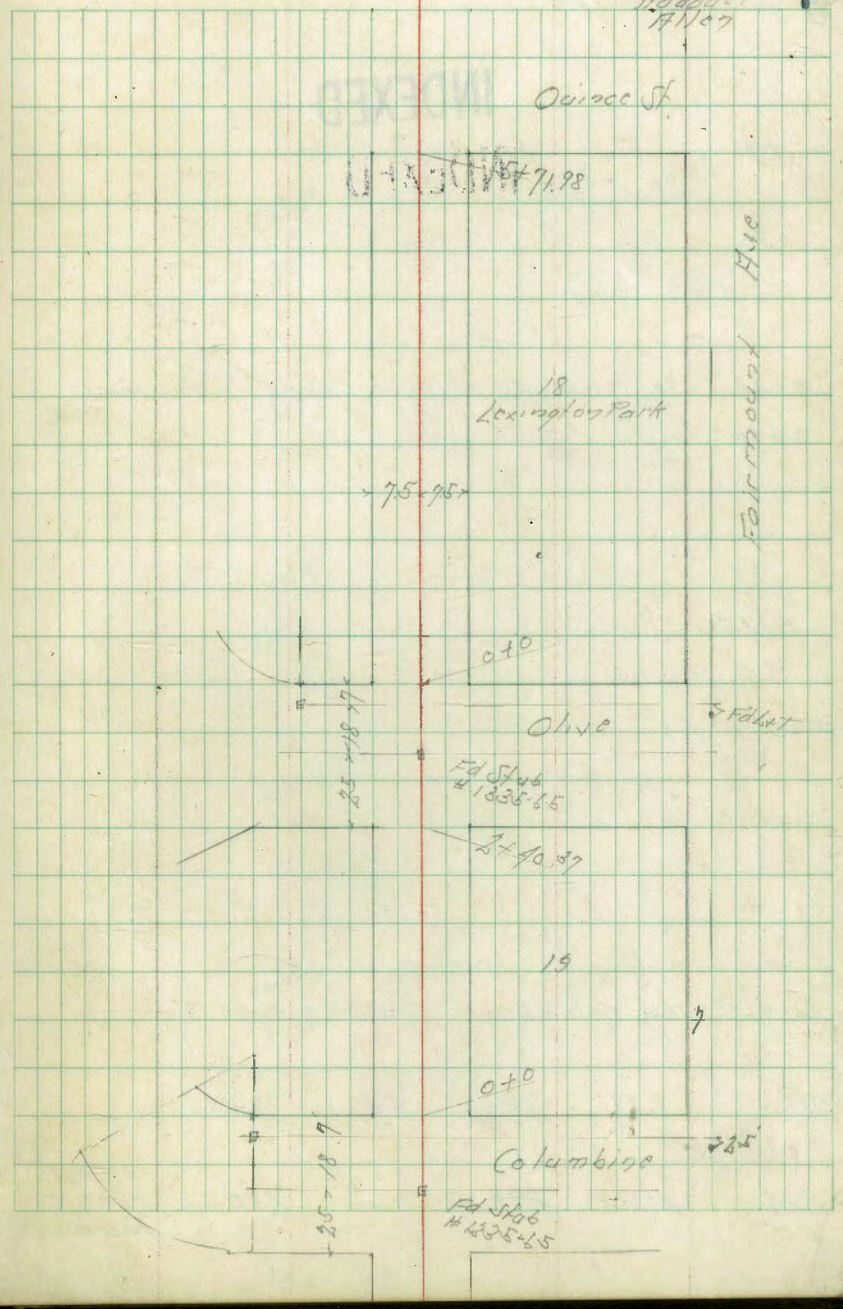
C.S.K.

April 26-16
Sisson
Wright
Waddell
Allen



Cross Section Alley Block 19 Lexington Park
From Columbine to Olive West of Fairmount.
Sketch Page 7

+91	7' Lt of ℄ = Nly Wire Fence				
+80					
0+74	7.1 Lt of ℄ = Nly Picket Fence + Sly Wire Fence				
0+50					
0+45					
0+30					
0+0	= N.L. Columbine		7.3 Lt of ℄ = Picket Fence		
TP	8.22	293.36	5.37	285.14	
BM	10.34	290.51		280.17	NW BP Maple + Fairmount

Lt: W ℄ Rt: E

288.9 / 4.5 / 7.5 — 288.6 / 4.8 — 288.9 / 4.5 / 7.8 = Base Conc Wall — 290.61 / 2.75 / 7.8 = Sly + Top 8 Base Wall

288.1 / 5.3 / 7.5 — 287.6 / 5.8 — 288.1 / 5.3 / 7.5 — 288.0 / 5.4 / 2.0

288.12 / 5.24 / 7.3 = Garage Conc Floor — 287.81 / 5.55 / 5.2 = Ely Conc Apron

287.43 / 5.93 / 7.3 = Ely Conc Walk 2.6

286.2 / 7.1 / 7.5 — 286.0 / 7.4 — 286.0 / 7.4 / 7.5

293.36

Station	Notes	Lt: W		℄		Rt: E
1+91		290.5 / 2.9 : Lt El. Gar. Dirt Floor				
+80		290.4 / 3.0 / 8.8 : Lt El. Gar. Dirt Floor				
+62	5.3 Lt of ℄ = Nly Wire Fence					
+60					291.0 / 2.1 / 8 = Base Conc. Wall	292.30 / 1.06 / 8 = N. Conc. Wall
+59	6' Lt of ℄ = Nly 10" Euc. Tree					
+52	6' Lt of ℄ = Nly 10" Euc. Tree					
1+50	5.2 Lt of ℄ = Sly Wire Fence		290.8 / 2.6 / 7.5	290.7 / 2.7	291.2 / 2.2 / 7.5	292.33 / 1.03 / 7.8 = Top Conc. Wall
+40	6.6' Lt of ℄ = Wly Power Pole					
1+25		289.9 / 3.5 / 20	290.3 / 3.1 / 7.5	290.3 / 3.1	290.6 / 2.8 / 7.5	292.08 / 1.28 / 7.7 = Top Conc. Wall
1+0		289.3 / 4.1 / 20	289.4 / 4.0 / 7.5	289.3 / 4.1	289.6 / 3.8 / 7.5	291.20 / 2.16 / 7.8 = Top Conc. Wall

293.36

TP	6.47	297.02	2.81	290.55	on Z Stub Olive & Alley
2+40.37	= SL Olive				
+21					
2+0					
		293.36			

Lt. W Z Rt. E

290.8
2.6
7.5

290.9
2.5

291.1
2.3
7.5

292.09
1.27
10.2: Fly Hours
6.7: Fly Hd 8' Conc Landing

291.0
2.4
6.7: Base Conc Land

291.0
2.4

291.0
2.4

290.6
2.8
7.5

290.9
2.5

291.0
2.4
7.5

291.8
1.6
20

293.36

Cross Section Alley Block 18
Lexington Park
Sketch Page 7

indexed
C.S.K.

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Station	Notes	Lt: W	Lt: W	℄	Rt: E	Rt: E	Rt: E
1+85		291.7 / 5.3 / 20	292.0 / 5.0 / 7.5	292.0 / 5.0	292.3 / 4.7 / 7.5	293.2 / 5.8 / 20	
1+50		290.2 / 5.8 / 20	291.3 / 5.7 / 7.5	291.5 / 5.5	292.1 / 4.9 / 7.5	292.5 / 4.5 / 9	293.1 / 5.9 / 20
1+10		289.9 / 7.1 / 20	291.1 / 5.9 / 7.5	291.2 / 5.8	291.6 / 5.4 / 7.5	292.2 / 4.8 / 10	292.5 / 4.5 / 20
0+81	76 Lt of ℄: W'ly Power Pole	291.2 / 5.8 / 20	292.1 / 4.9 / 7.5	292.3 / 4.7	292.8 / 4.2 / 7.5	293.5 / 3.5 / 10	
0+50		291.3 / 5.7 / 20	291.9 / 5.1 / 7.5	291.9 / 5.1	292.3 / 4.7 / 7.5	293.7 / 3.3 / 9.5	
0+0	N.L. Olive	290.7 / 6.3 / 20	291.2 / 5.8 / 7.5	291.4 / 5.6	291.8 / 5.2 / 7.5		

297.02 St. Ford

297.02

Sta.					
3+40					
+32	7.5 Lt of ℄ = Sly Fence				
3+0					
2+80					
TP	5.58	301.20	1.40	295.62	
+51	6.9 Lt of ℄ = Nly Power Pole				
2+50					
2+30					
2+0					

297.02

Lt		℄	Rt	
295.37 / 5.83 / 7.5	295.28 / 5.92 / 6.5 = Lt Edg Conc Apron	296.2 / 5.0	296.2 / 5.0 / 7.5	297.19 / 4.01 / 33.7 = ℄ + Wly Gar. Conc Floor
295.8 / 5.4 / 20	295.9 / 5.3 / 7.5	295.8 / 5.4	295.9 / 5.3 / 7.5	296.0 / 5.2 / 20
	295.7 / 5.50 / 12 = ℄ + Ely Do Gar. Conc Floor	301.20		
294.7 / 2.3 / 20	295.1 / 1.9 / 7.5	294.9 / 2.1	295.1 / 1.9 / 7.5	295.5 / 1.5 / 20
294.2 / 2.8 / 20	294.4 / 2.6 / 7.5	294.3 / 2.7	294.5 / 2.5 / 7.5	295.4 / 1.6 / 20
292.8 / 4.2 / 20	292.9 / 4.1 / 7.5	292.5 / 4.5	292.9 / 4.1 / 7.5	293.6 / 3.4 / 20

297.02

Sta.	B.S.	H.I.	F.S.	Elev.	Remarks
BM			5.94	297.23	SE BP. Quince & Fairmount 297.19
5+72.0 = SL Quince	7.5 Lt of ℄ = Ely Cxt "Clothes Post"				
5+35					
5+0					
TP	6.29	303.17	4.32	296.88	
+92	6.8 Lt of ℄ = Wly Power Pole				
+59					
+50	7.7 Lt of ℄ = Picket Fence				
+21	7.2 Rt of ℄ = Nly Fence				
+11	7.2 Rt of ℄ = Sly Fence				
4+02					
+96	8.1 Lt of ℄ = Nly Fence				
	8.2 Lt of ℄ = Fence				
3+71	7.2 Lt of ℄ = Nly Power Pole				

301.20

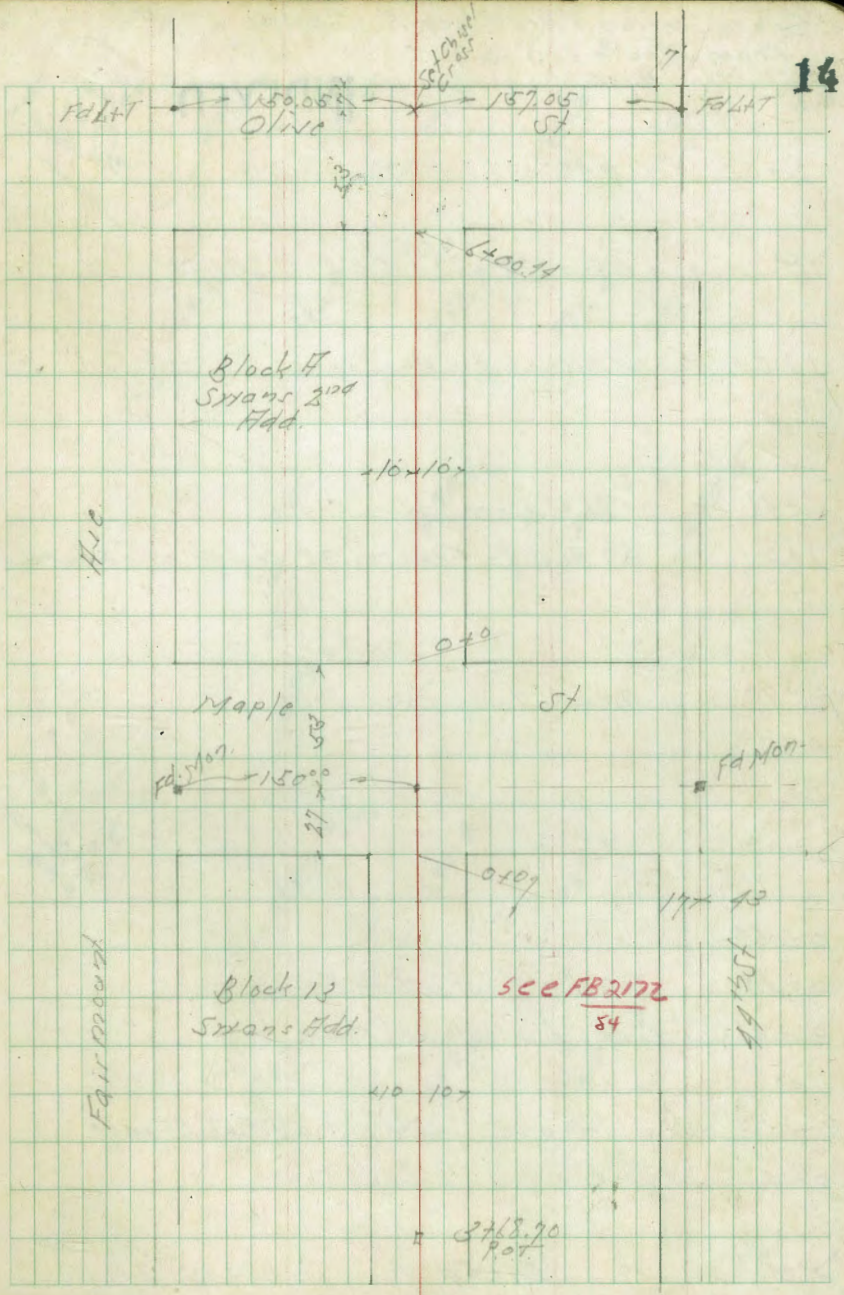
Lt = W		℄	Rt = E	
	297.9 / 5.3 / 7.5	298.1 / 5.1	298.4 / 4.8 / 7.5	
	297.3 / 5.9 / 7.5	297.5 / 5.7	297.7 / 5.5 / 7.5	297.9 / 5.3 / 20
297.23 / 5.94 / 7.5 = Lt Garage Conc Floor	297.10 / 6.10 / 7.8 Lt Ely Conc Apron	297.2 / 6.0	297.3 / 5.9 / 7.5	297.3 / 5.9 / 20
		303.17		
296.55 / 4.65 / 7.6 = Lt Ely Garage Conc Floor	296.43 / 4.77 / 8.3 Lt Ely Conc Apron 116			
296.2 / 5.0 / 20	296.4 / 4.8 / 7.5	296.3 / 4.9	296.5 / 4.7 / 7.5	296.9 / 4.3 / 20
296.3 / 4.9 / 8.5 Lt Ely Garage Dirt Floor	296.2 / 5.0 / 7.5	296.5 / 4.7	296.6 / 4.6 / 7.5	296.8 / 4.4 / 20
	296.3 / 4.9 / 7.5	296.2 / 5.0	296.4 / 4.8 / 7.5	

301.20

Cross Section Alley Block 14 Swans 2nd Add
Std Alley Block 13 Swans Add.

Indexed
C.S.Kr

INDEXED



Cross Section Alley Block "A" Sisson 2nd Add
From Maple to Olive
Sketch Page 14

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see also Pg 57 this Book

2+0	9.4 Lt of ℄ = Wly Power Pole				
TP	6.03	297.52	0.05	291.49	
1+50	10.4 Rt of ℄ = Nly Fence				
+46	9.9 Lt of ℄ = Nly Wire Fence				
1+0	9.9 Rt of ℄ = Fence 9.5 Lt of ℄ = Wire Fence				
0+90	9.3 Lt of ℄ = Nly Power Pole				
0+72					
0+50					
0+48	9.9 Lt of ℄ = Sly Wire Fence				
0+31	9.8 Lt of ℄ = Nly Picket Fence				
0+0	= N.L. Maple 10.2 Lt of ℄ = Sly Picket Fence				
0-4	10 Rt of ℄ = Sly Lath Fence				
BM	11.37	291.54		280.17	NW BP Maple + Fairmount

Reduced J. Barrett 4-19-49
McClarren 5-5-49

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April 27-46
Sisson
Wright
Waddel
Allen

Lt W		℄		Rt E
290.9	291.4	291.5	291.8	292.0
6.6 / 20	6.1 / 10	6.0	5.7 / 10	5.5 / 20
		297.52		
290.2	290.4	290.7	291.2	291.4
1.3 / 20	1.1 / 10	0.8	0.3 / 10	0.1 / 20
	289.9	290.1	290.1	290.5
	1.6 / 10	1.4	1.4 / 10	1.0 / 20
	289.68			
	1.86 / 9.9 = Lt Ely Conc. [illegible]			
	288.7	288.4	288.6	
	2.8 / 10	3.1	2.9 / 10	
	287.1	287.2	287.3	
	4.4 / 10	4.3	4.2 / 10 = Base [illegible] Cobble [illegible]	
		291.54		

Station	Notes	Lt = W (20)	(10)	℄	(10)	Rt = E (20)
4+0	9.7 Lt of ℄ = Wly Power Pole	293.0 / 4.5 / 20	293.3 / 4.2 / 10	293.3 / 4.2	293.7 / 3.8 / 10	293.7 / 3.8 / 20
3+50		292.7 / 4.8 / 20	292.8 / 4.7 / 10	293.0 / 4.5	293.3 / 4.2 / 10	293.5 / 4.0 / 20
3+12		292.5 / 5.0 / 12.6 Lt: ℄ Garage Dirt Floor				
3+0			292.5 / 5.0 / 10	292.5 / 5.0	292.9 / 4.6 / 10	293.0 / 4.5 / 20
+86	10.6 Lt of ℄ = Nly Wire Fence					
2+68					292.50 / 5.04 / 11.4 Rt: Wly Conc Apron	292.56 / 4.96 / 12 Rt: ℄ Garage Conc Floor
2+50			292.0 / 5.5 / 10	291.9 / 5.6	292.2 / 5.3 / 10	
2+44	10.8 Lt of ℄ = Sly Wire Fence					

297.52

297.52

BM					
6+00.44					
5+75	9.7 Lt of ℄ = Wly Power Pole				
5+50					
5+46					
5+0	9.2 Lt of ℄ = Wly Power Pole				
4+94					
TP	6.43	300.51	3.44	294.08	
4+50					

297.52

Lt = W   ℄   Rt = E

295.6 4.9/10 — 295.0 5.5 Check Sewer — 295.2 5.3/10

295.0 5.5/20 — 294.8 5.7/10 — 294.3 6.2 — 294.6 5.9/10 — 294.7 5.8/20

294.78 6.73 14.4 Lt Garage Conc Floor — 294.64 5.87 12.4 Lt Ely Conc Apron

294.4 6.1/20 — 294.2 6.4/10 — 293.8 6.7 — 294.1 6.4/10 — 294.3 6.2/20

294.20 6.31 14.5 Lt Ely Gar Conc Floor — 294.16 6.35 11 Lt Ely Conc Apron — 300.51

293.6 6.9/20 — 293.7 6.8/10 — 293.6 3.9 — 294.2 6.3/10 — 294.2 6.3/20

297.52

31

Cross Section Alley Block 13 Swan's Add
From Maple South
Sketch Page 14

April 29 46
Sisson
Haddad
Allen

Station	Note	Lt. E		℄		Rt. W
2+0		283.3 / 7.9 / 20	283.1 / 8.1 / 10	283.2 / 8.0	282.7 / 8.5 / 10	282.4 / 8.8 / 20
1+50		284.5 / 6.7 / 20	283.9 / 7.3 / 10	283.7 / 7.5	283.3 / 7.9 / 10	283.0 / 8.2 / 20
1+0		285.4 / 5.8 / 20	285.0 / 6.2 / 10	284.8 / 6.4	284.3 / 6.9 / 10	283.8 / 7.4 / 20
0+50		286.5 / 4.7 / 20	286.0 / 5.2 / 10	285.5 / 5.7	285.4 / 5.8 / 10	284.9 / 6.3 / 20
0+04	9' Rt of ℄ = Wly Anchor					
0+0	= S.L. Maple	286.8 / 4.4 / 20	286.5 / 4.7 / 10	286.4 / 4.8	285.8 / 5.4 / 10	285.8 / 5.4 / 20

Note: Fd. no change

Reduced
McClarren
5-5-49

BM 11.06 291.23 280.17 N.W.B.P. Maple & Fairmount

291.23

	Slope Continues down				
4+30		no change			
4+0	good				
TP	0.20	269.90	12.96	269.70	
3+75					
3+68.70	POT		7.02		on Stub
3+50					
3+0					
TP	0.36	282.66	8.93	282.30	
2+50					
		291.23			

Lt: E				℄	Rt: W	
	252.4 / 17.5 / 20	252.5 / 17.4 / 10	249.2 / 20.7 / 6	252.6 / 17.3	257.4 / 12.5 / 10	260.5 / 9.4 / 20
266.5 / 3.4 / 20	265.2 / 4.7 / 15	263.7 / 6.2 / 10	263.0 / 6.9 / 6	265.6 / 4.3	268.8 / 1.1 / 10	269.8 / 0.1 / 15
				269.90		
		276.2 / 6.5 / 20	275.5 / 7.2 / 10	274.5 / 8.2	274.9 / 7.8 / 10	275.5 / 7.2 / 20
		278.9 / 4.7 / 20	277.5 / 5.2 / 10	277.4 / 5.5	277.2 / 5.5 / 10	277.1 / 5.6 / 20
		280.5 / 2.2 / 10	280.2 / 2.5 / 10	280.2 / 2.5	279.7 / 3.0 / 10	279.4 / 3.3 / 20
				282.66		
		282.0 / 9.2 / 20	281.8 / 9.4 / 10	281.6 / 9.6	281.2 / 10.0 / 10	281.0 / 10.2 / 20

Cross Section Laurel St Fairmount to Sumac
Sumac Dr. Laurel St to Fairmount Ave.
Alignment & Sketch 1335-63

indexed
C.S.K.

May 6-46
Sisson
Waddell
Allen

Lt = S | ℄ | Rt = N

Station	Notes									
2+0		6.4/25	5.4/25	4.9/22	4.8/15	4.8	4.6/15	4.5/19	4.0/21	3.7/25
+50		4.3/25	4.8/20	5.2/18	5.2/15	4.8	4.7/15	4.0/25		
+36	20.6 Lt of ℄ = Sly Power Pole									
+14	21.7 Lt of ℄ = Sly Anchor Pole									
1+0		4.2/25	4.8/21	5.4/18	5.4/15	5.2	5.3/15	4.8/19	2.9/25	
0+50		5.1/25	5.2/20	5.9/19	5.8/15	5.5	5.9/15	5.3/19	4.8/23	4.0/25
0-0	= B.C. Rt. = N.L. Fairmount	5.6/25	6.8/21	6.6/15	6.3	6.3/15	5.8/16	4.7/26		
0-20	= W Cb Line Fairmount to North = Wly Paving	6.63/25	6.40/25	6.34/15	6.23	5.97/15	5.93/14.5 Gutter	5.85/24.5 = Stub	5.41/30 (gut)	4.87/30 = Cb
B.M.	8.25 270.18 261.93 SE Cor Meter Box 1335-62				270.18					

Laural St + Sumac Drive

+25	14.2 Rt of ℄ = Ely Power + Tel pole				
4+05	= Conc Steps + Walk on Rt				
+82					
+68	31.4 Lt of ℄ - Wly Power Pole				
+50					
TP	5.87	272.74	2.81	267.37	
3+35	14.6 Rt of ℄ - S Ely Anchor Pole				
2+98.28	= P.RC Lt				
2+50					
		270.18			

Lt				℄		Rt		
5.1/35	5.4/25	4.8/15		4.4	4.40/5.4 = Wl/Oil Pav	4.10/9 = Bot 3 Conc Steps	2.30/12 = Top Steps	2.2/15, 1.2/25
6.0/35, 5.1/25	5.7/20	5.4/15		4.6	4.60/4 = Wl/Oil Pav	4.50/8.3 = S Wl/Conc Drive	2.00/15 on Conc Dr Wl	2.51/25 on Conc Dr
8.1/50	6.2/25	5.6/15		5.2	5.15/6.5 = Edge Oil Pav	3.84/15 on Oil Pav	3.07/25 on Oil Pav	
				272.74				
5.2/50	3.8/25	3.3/15		3.0	2.82/10 = S Wl/Oil Pav	1.45/15 on Oil Pav	0.63/25 on Oil Pav	
6.0/35, 3.9/25	3.8/23	4.4/20	4.3/15	3.8	3.8/12	3.4/15	3.0/25	
8.1/35	6.4/25	4.9/18	4.7/15	4.3	4.3/15	3.7/25		
				270.18				

Station					Lt = W				℄				Rt = E
6+50					11.3/35	8.5/25	6.4/15	5.9/13	5.6	5.5/8	3.6/15	2.9/25	
6+0					12.2/35	10.1/25	8.3/15	7.6/13	7.2	7.2/7	5.2/12	5.0/15	4.2/25
+55.24	BC Rt				14.4/35	12.1/25	8.8/15		8.2	8.0/8	6.2/13	6.1/15	5.2/25
TP	8.39	278.76	2.37	270.37					278.76				
5+0					9.8/35	6.3/25	5.4/21	3.7/15	2.9	3.0/7	1.0/12	0.3/25	
4+71.24	FC				8.1/43	5.5/25	4.0/15		3.36 on slab	3.6/7	1.4/13	1.2/15	0.7/25
4+34					9.34/64 ± to Garage Conc Floor	8.8/50	6.0/25	4.6/15	4.0	4.1/9	2.0/15	1.3/25	
		272.74							272.74				

8+82.08				
8+39.86				
TP	11.03	287.70	2.09	276.67
7+97.64 = BC. Rt				
+50				
+25.73 EC				
7+0				
		278.76		

Lt				℄				Rt
	8.1/35	7.6/25	7.4/15	8.1	8.1/9	7.2/11	7.0/15	7.1/25
13.1/35	12.2/25	11.2/15	10.7/11	10.6	10.4/10	9.5/12	9.4/15	8.3/25
				287.70				
8.9/35	7.2/25	5.6/15	5.6/11	3.4	3.3/11	2.7/13	2.7/15	1.6/25
11.1/35	8.6/25	6.5/15	4.0/9	4.2	4.25/11 = w/ oil pav	4.0/15 on oil	2.9/25	
11.0/35	8.2/25	5.9/15	4.3/10	4.5	4.65/9 = w/ oil pav	4.20/15 on oil	2.30/25 on oil paving	
12.8/35	8.5/25	6.2/15	5.0/11	4.8	4.8/10	2.8/15	2.1/25	
				278.76				

Station	Notes	Lt.			℄	Rt.			
10+59.33	17.4 Rt of ℄ = Sly Power Pole; = W.L. Fairmount = Wly Curbs & Paving	7.1 / 25	7.38 / 15 = Cb Top	7.93 / 15 = Gutter	8.16	8.65 / 15 = Gutter		8.05 / 15 = Cb Top	7.1 / 25
10+30		6.3 / 25	6.3 / 15	7.2 / 14	7.1	6.9 / 9	6.1 / 15	6.0 / 25	
10+0		5.5 / 25	5.3 / 15	6.0 / 14	5.8	5.9 / 9	5.3 / 12	5.2 / 15	4.7 / 24.6 = N'ly Lt Conc Walk
9+80		4.6 / 25	4.3 / 15	5.0 / 14	5.0	5.1 / 9	4.6 / 11	4.5 / 15	4.7 / 25
9+50		4.2 / 25	4.2 / 15	4.7 / 13	5.3	5.3 / 11	4.8 / 15	4.9 / 25	4.8 / 29.6 = N'ly Garage Dirt Floor
9+24.29	= E.C. = W.L. Alley; 14' Rt of ℄ = Sly Power Pole	5.0 / 25	5.1 / 15	5.4 / 13	6.1	6.0 / 10	5.3 / 12	5.2 / 15	5.1 / 25

287.70

287.70

BM		7.42	280.27	N.W. BP Maple + Fairmount 280.17

10+79.33 = West Curb Line Fairmount

10+69.33 = Cb BC. Rt + Lt

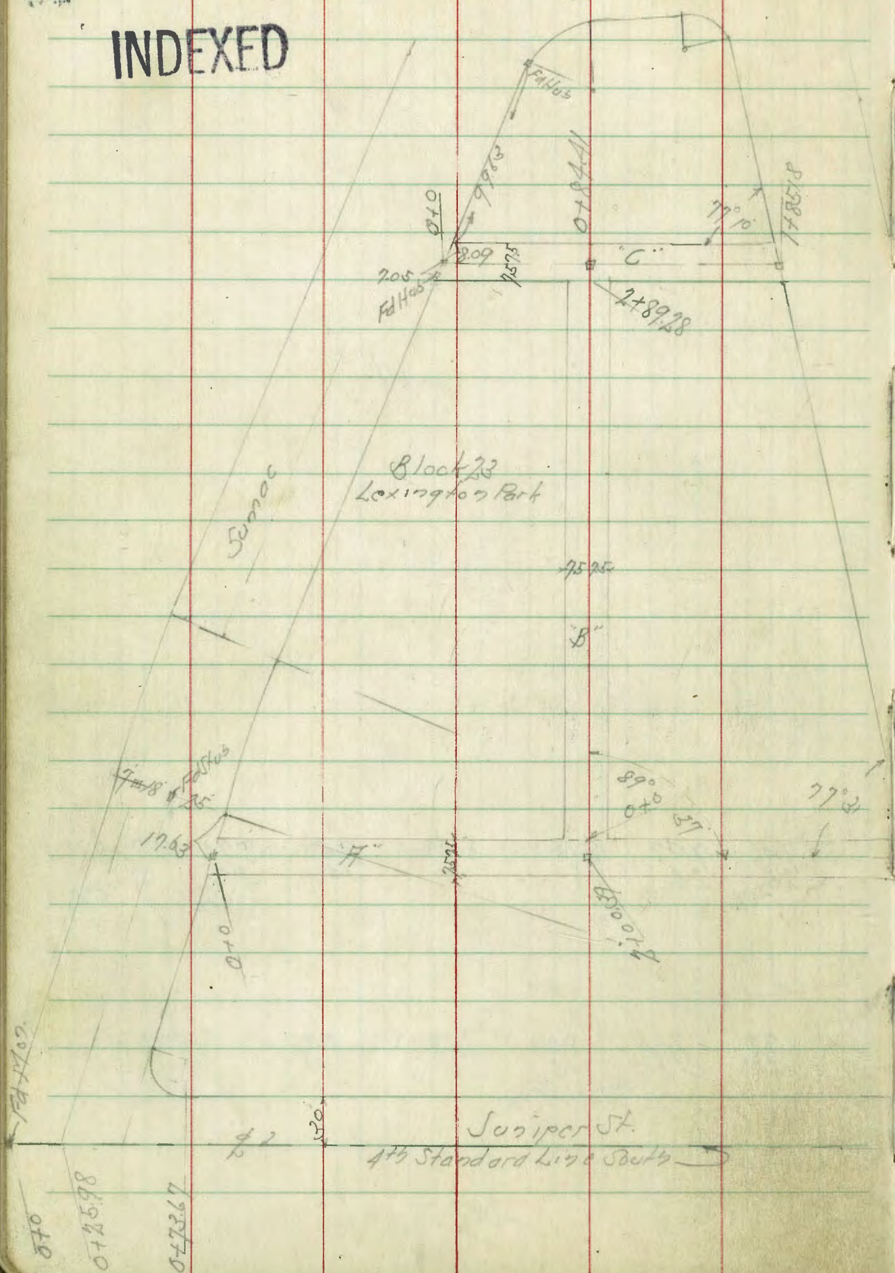
287.70

Lt. ℄ Rt

7.46 / 25 = Cb	7.97 / 25 = Gutter	8.16 / 15	8.40	8.60 / 15	8.71 / 25 = Gutter	8.18 / 25 = Cb
7.2 / 25	7.48 / 15 = Cb Top	8.09 / 15 = Gutter	8.28	8.58 / 15 = Gutter	8.10 / 15 = Cb Top	8.0 / 25

287.70

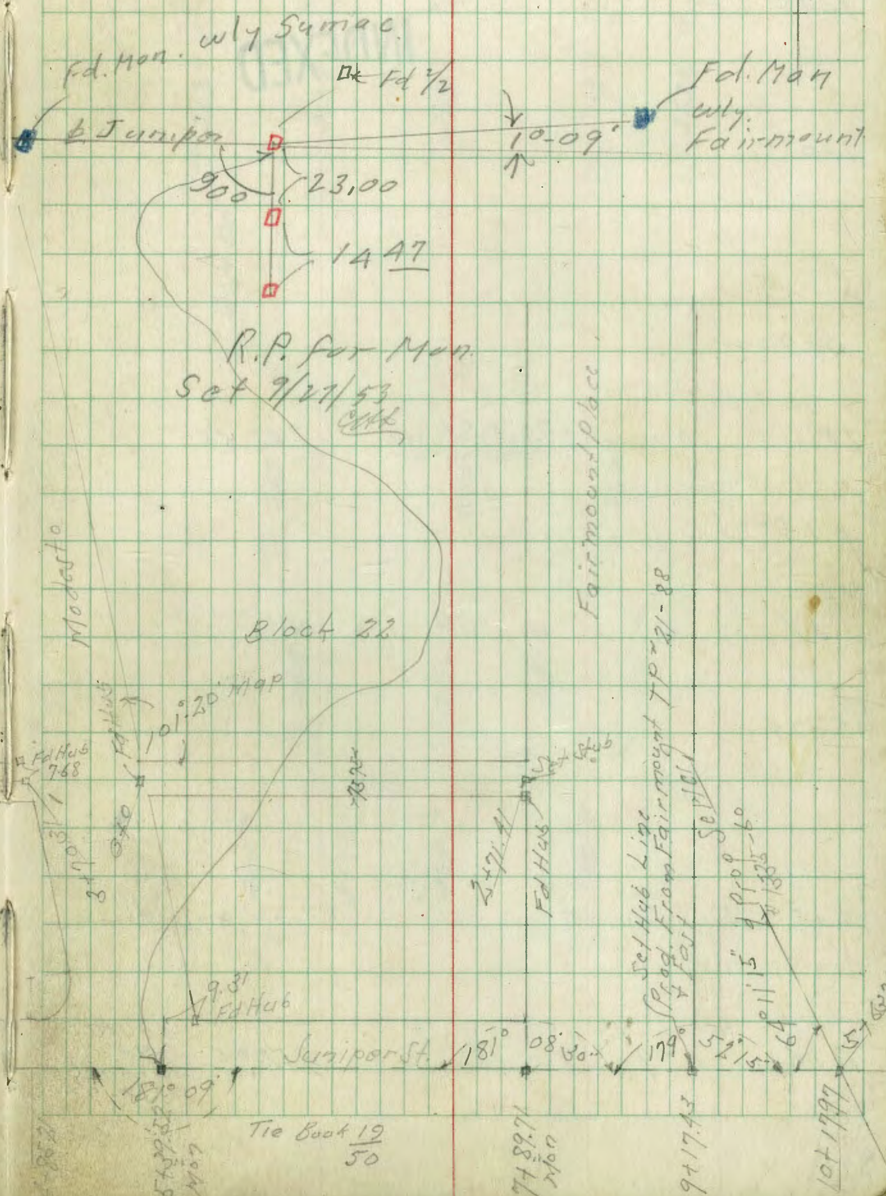
Cross Section Alleys Block 23 Lexington Park
Also Juniper St. Sumac to Fairmount Place



Indexed
C.S.K.

Plotted on T.P. Sheet 3500
11-1-46-McQ.

May 13-46
Sisson
Weddell
Allen



Cross Section Alley "A" Block 23 Lexington Park

CS Sketch Page 26

1+50					
1+0					
0+90					
TP	10.10	272.55	1.39	262.45	
0+50					
0+14					
0+0 = EL Same				Taken on Diagonal	
BM	11.79	263.84		252.05	on Stub 1+93.76 Same [illegible] 6335-75

Lt. N ℄ Rt. S

266.4 6.2/2.0 — 266.3 6.3/7.5 — 266.2 6.4 — 265.8 6.8/7.5 — 265.6 7.0/20

263.9 8.7/20 — 263.7 8.9/7.5 — 263.7 8.9 — 263.7 8.9/7.5 — 263.6 9.0/20

264.50 8.05/9.4 S.E. Cor. House on Floor

272.55

259.8 1.0/7.5 — 259.5 — 260.0 8/7.5

255.6 8.2/7.6 — 256.0 7.8 — 257.0 6.8/7.5 — 257.6 7.5 S. H. Garage Dirt Floor

253.7 10.1/7.8 — 254.5 9.3 — 254.7 9.1 — 255.7 8.1/7.8

263.84

3+70.31 = M.L. Modesto — Taken on Diagonal

3+35

3+0

2+80

2+50

2+07.89 = E.L. M&S Alley "B"

2+00.89 = ℄ Alley "B" — 5.31 — on Hub

1792.89 = M.L. M&S Alley "B"

27255

Lt

Rt

27255

Cross Section Alley "B" Block 23 Lexington Park

Sketch Page 26

INDEXED

1+55				
TP	4.97	275.26	2.26	270.29
1+50				
1+0				
0+92				
0+50				
0+0 = N.L. Alley "A"				

272.55 Bl. Ford

Indexed C.S.R.

L = W | Rt = E

271.13 — 4.13, 5.3 = NW Cor House on Floor

269.6 (3.0 / 2.0)	269.9 (2.7 / 7.5)	275.26 — 269.9 (2.7)	270.2 (2.1 / 7.5)	270.5 (2.1 / 2.0)
	269.2 (3.4 / 7.5)	269.1 (3.5)	269.3 (3.3 / 7.5)	269.6 (3.0 / 2.0)
	269.15 (3.40 / 8.4 = El. Do Garage Conc Floor)			
268.19 (4.36 / 10.7 = El. Conc Slab)	268.3 (4.3 / 7.5)	268.3 (4.3)	268.6 (4.0 / 7.5)	269.0 (3.6 / 2.0)
	267.5 (5.1 / 7.5)	267.5 (5.1)	267.6 (5.0 / 7.5)	

272.55

o7 ℄ Hub

2+96.78 = ℄ Alley C   5.23

2+89.28 - S.L. Alley "C"

2+45

2+0

1+97

27526

2+89.28		4.6 / 7.5 270.7	4.9 270.4	5.0 / 7.5 270.3	
2+45	5.0 / 2.0 270.3	4.6 / 7.5 270.7	4.6 270.7	4.4 / 7.5 270.9	4.3 / 2.0 271.0
2+0	5.5 / 2.0 269.8	5.0 / 7.5 270.3	4.8 270.5	4.6 / 7.5 270.7	4.3 / 2.0 271.0
1+97	4.35 270.91				

14 = N.E. Cor. Hse on Flood

27526

Cross Section Alley "C" Block 23
Lexington Park
Sketch Page 26

BM	13.44	261.82	on Water Box 1335.68 261.93
1+85.18 = W.L. Modesto	Taken on Diagonal		
1+40			
1+0			
0+91.91 = E.L. Alley "B"			
0+76.91 = W.L. Alley "B"			
0+40			
0+0 = E.L. Sumac	Taken on Diagonal		

INDEXED

275.26 Rt Ford

Station	Lt = N		℄	Rt = S	
1+85.18		261.9 (13.4 / 7.7)	261.8 (13.5)	262.1 (13.2 / 7.7)	
1+40	265.9 (9.4 / 20)	266.3 (9.0 / 7.5)	266.4 (8.9)	266.7 (8.6 / 7.5)	266.7 (8.6 / 20)
1+0	268.8 (6.5 / 20)	269.4 (5.9 / 7.5)	269.9 (5.4)	270.1 (5.2 / 7.5)	270.3 (5.0 / 20)
0+91.91	269.0 (6.3 / 20)	269.6 (5.7 / 7.5)	269.8 (5.5)	270.2 (5.1 / 7.5)	
0+76.91	270.3 (5.0 / 20)	270.5 (4.8 / 7.5)	270.6 (4.7)	270.7 (4.6 / 7.5)	
0+40	270.0 (5.3 / 20)	269.8 (5.5 / 7.5)	269.8 (5.5)	269.7 (5.6 / 7.5)	269.8 (5.5 / 20)
0+0		265.2 (10.1 / 8.1)	264.9 (10.47 on stub)	264.7 (10.6 / 8.1)	

275.26

Cross Section on Juniper St.
Sumac St to Fairmount Place
Sketch Page 26

Indexed
C.S.K.

INDEXED

1+0					
0+73.67 = BC on Lt					
0+56					
0+51.96 = E.L. Sumac to North					
0+25.98 = ℄ Sumac to North					
0+10	4.5 Lt of ℄ = N'ly Power Pole				
0+0	= W.L. Sumac to North				
BM	12.75	265.59		252.84	Hub No. ? Juniper Sumac #1335-74

See FB 2222 / 53

May 15-46
Sisson
Haddad
Allen

Lt. N				℄		Rt. S
261.51 4.08 / 46.5 = S/W House 1st Floor	260.1 5.5 / 30	259.1 6.5 / 24	259.2 6.4 / 15	259.4 6.2	259.5 6.1 / 15	259.4 6.2 / 30
259.3 6.2 / 30 = Picket Fence	258.0 7.6 / 24	257.9 7.7 / 15	259.2 6.4	259.6 6.0 / 15	259.9 5.7 / 30	
258.2 7.4 / 30	256.5 9.1 / 25	257.3 8.3 / 15	258.8 6.8	259.6 6.0 / 15	260.1 5.5 / 30	
255.9 9.7 / 30	256.1 9.5 / 25	257.4 8.2 / 15	258.8 6.8	259.4 6.2 / 15	260.1 5.5 / 30	
255.3 10.3 / 30	256.1 9.5 / 15	256.9 8.7	258.0 7.6 / 15	258.8 6.8 / 30 = Wire Fence		
251.2 14.4 / 30	252.1 13.5 / 15	252.84 12.75 on Mon	253.4 12.2 / 15	254.0 11.6 / 30		

265.59

Juniper St

Station	Notes
3+37	6' Lt of ℄ = Nly Power Pole
3+0	
2+50	
2+0	
1+60	5' Lt of ℄ = Nly Power Pole
1+57	30.5 Lt of ℄ = Ely Stucco Wall
1+50	
1+29	29.5 Lt of ℄ = Nly Stucco Wall
1+25	
1+12	

265.59

Lt — ℄ — Rt

Station	Lt				℄	Rt			
3+0		264.0 (1.6 / 30)	263.2 (2.4 / 23)	262.9 (2.7 / 15)	262.8 (2.8)	261.9 (3.7 / 15)	261.6 (4.0 / 30)	260.1 (5.5 / 50)	
2+50		262.9 (2.7 / 30)	262.5 (3.1 / 24)	262.2 (3.4 / 15)	261.6 (4.0)	261.0 (4.6 / 15)	260.0 (5.6 / 30)	257.9 (7.7 / 50)	
2+0	262.8 (2.8 / 30)	262.7 (2.9 / 27)	261.7 (3.9 / 23)	261.8 (3.8 / 15)	261.8 (3.8)	261.3 (4.3 / 15)	260.5 (5.1 / 30)	258.8 (6.8 / 50)	
1+50	263.64 (1.95 / 55 = Sly Stucco House on Flor)	261.2 (4.4 / 30)	260.4 (5.2 / 24)	260.3 (5.3 / 15)	260.7 (4.9)	260.0 (5.6 / 15)	259.5 (6.1 / 30)	259.52 (6.07 / 61 = Nly Cor Stucco House on Flor)	
1+25						257.08 (8.51 / 73 = Nly Conc Slab for Garage)			
1+12			260.29 (5.30 / 32 = Sly ℄ of Conc Walk)						

265.59

Juniper St.

Station				
5+0				
4+85.21 = B.C. on Lt				
TP	7.80	262.17	11.22	254.37
4+50				
4+0				
3+65				
3+50				

265.59

Lt ℄ Rt

Station									
5+0		255.4 (6.8 / 30)	255.9 (6.3 / 15)	255.7 (6.5 / 7)	253.8 (8.4)	252.7 (9.5 / 15)	251.9 (10.3 / 30)	251.47 (10.70 / 30; H 248.2 Conc Drwy)	249.54 (12.63 / 50 Conc Drwy)
4+85.21	256.8 (5.4 / 30)	255.8 (6.4 / 25)	256.0 (6.2 / 15)	256.2 (6.0 / 6)	255.1 (7.1)	253.7 (8.5 / 15)	253.0 (9.2 / 30)	251.3 (10.9 / 50)	
TP					262.17				
4+50	259.9 (5.7 / 30)	260.0 (5.6 / 26)	258.0 (7.6 / 22)	258.0 (7.6 / 15)	257.8 (7.8)	256.6 (9.0 / 15)	255.6 (10.0 / 30)	254.0 (11.6 / 50)	
4+0	264.1 (1.5 / 30)	263.6 (2.0 / 25)	262.0 (3.6 / 22)	262.1 (3.5 / 15)	261.8 (3.8 / 8)	262.3 (3.3)	261.4 (4.2 / 15)	260.8 (4.8 / 30)	260.3 (5.3 / 50)
3+65		265.6 (0.0 / 30)	264.6 (1.0 / 22)	264.6 (1.0 / 15)	264.4 (1.2)	263.5 (2.1 / 15)	263.1 (2.5 / 30)	262.29 (3.30 / 45 = Hyd Cor House on Floor)	
3+50		265.6 (0.0 / 30)	264.5 (1.1 / 23)	264.5 (1.1 / 15)	264.2 (1.4)	264.0 (1.6 / 15)	263.0 (2.6 / 26)	262.1 (3.5 / 50)	

265.59

Juniper St

			℄		
10+17.97 = 5+68.70		Prop. Sewer	6.40	171.91	on Stub
TP	1.36	128.81	12.03	176.95	
For Check			5.34	182.64	on Stub 7774.01 : A 188.79 #1335-61
10+0			9.8		
TP	0.32	188.98	12.88	188.66	
9+50			11		
TP	0.14	201.54	12.59	201.40	
9+17.43 = FL Fairmount Place			2.83		on Hub
TP	0.47	213.99	12.68	213.52	
9+0			8.9		
TP	0.65	226.20	12.68	225.55	
8+50			8.8		
TP	0.86	238.23	12.94	237.37	
8+0			6.6		
7+89.71 =)(L Fairmount Place					
TP	1.02	250.81	12.88	249.29	
7+50					
		262.17			

Δ	℄	Pt
242.7	243.9	
175	64	
33	30	
252.2	244.8	
100	56	
30	15	
253.4		
80		
15		
255.6	246.13	
66	4.18 on Hub	
	250.81	
255.5	246.4	
67	3.9	
15	15	
255.4	246.4	
68	3.9	
30	20	
256.2	246.5	
55	1.8	
22	22	
256.7		
55		
30		
256.7	249.1	
55	1.4	
30	20	
256.2		
50		
262.17		

Cross Section South Alley Block 22
Lexington Park Modesto to Fairmount Place
Sketch page 26

INDEXED

Sta.	BS	HI	FS	Elev.	
2+0					
TP	0.47	239.92	12.68	239.45	
1+75					
1+50					
TP	0.10	252.13	12.44	252.03	
1+0					
0+50					
0+0 = FL Modesto					
BM	11.82	264.47		252.65	Mon Sumpport Modesto 1335-74

May 16·46
Sisson
Ofenstein
Waddel
Allen

Lt = N

indexed
c.s.k.

Rt = S

Lt 20	Lt 7.5	℄	Rt 7.5	Rt 20
231.6 (8.5 / 20)	234.4 (5.5 / 7.5)	236.4 (3.5)	237.7 (2.2 / 7.5)	238.9 (1.0 / 20) Graded Area
237.2 (14.9 / 20)	240.0 (12.1 / 7.5)	239.92 — 242.3 (9.8)	243.9 (8.2 / 7.5)	246.9 (5.2 / 15 = Toe of Fill)
244.0 (8.1 / 20)	246.6 (5.5 / 7.5)	248.3 (3.8)	249.1 (3.0 / 7.5)	253.1 (+1.0 / 20)
252.7 (11.8 / 20)	253.8 (10.7 / 7.5)	252.13 — 254.6 (9.9)	255.4 (9.1 / 7.5)	255.7 (8.8 / 20)
256.9 (7.6 / 20)	257.7 (6.8 / 7.5)	258.1 (6.4)	258.3 (6.2 / 7.5)	258.6 (5.9 / 20)
	260.3 (4.2 / 7.5)	260.19 (4.28 on Hub)	260.3 (4.2 / 7.5)	
		264.47		

2+71.41 = W.L. Fairmount Place				
TP	1.22	228.53	12.61	227.31
2+35				
		239.92		

Lt. N		℄		Rt. S
212.6	217.1	219.80	221.8	224.4
15.9 / 20	11.4 / 7.5	8.73 on stake	6.7 / 7.5	4.1 / 20
221.3	226.0	228.53 / 228.2	230.1	236.0
18.6 / 20	13.9 / 7.5	11.7	9.8 / 7.5	3.9 / 20 top of fill

239.92

Proposed Sewer - Fairmount Ave.
Home Ave. to Laurel St.

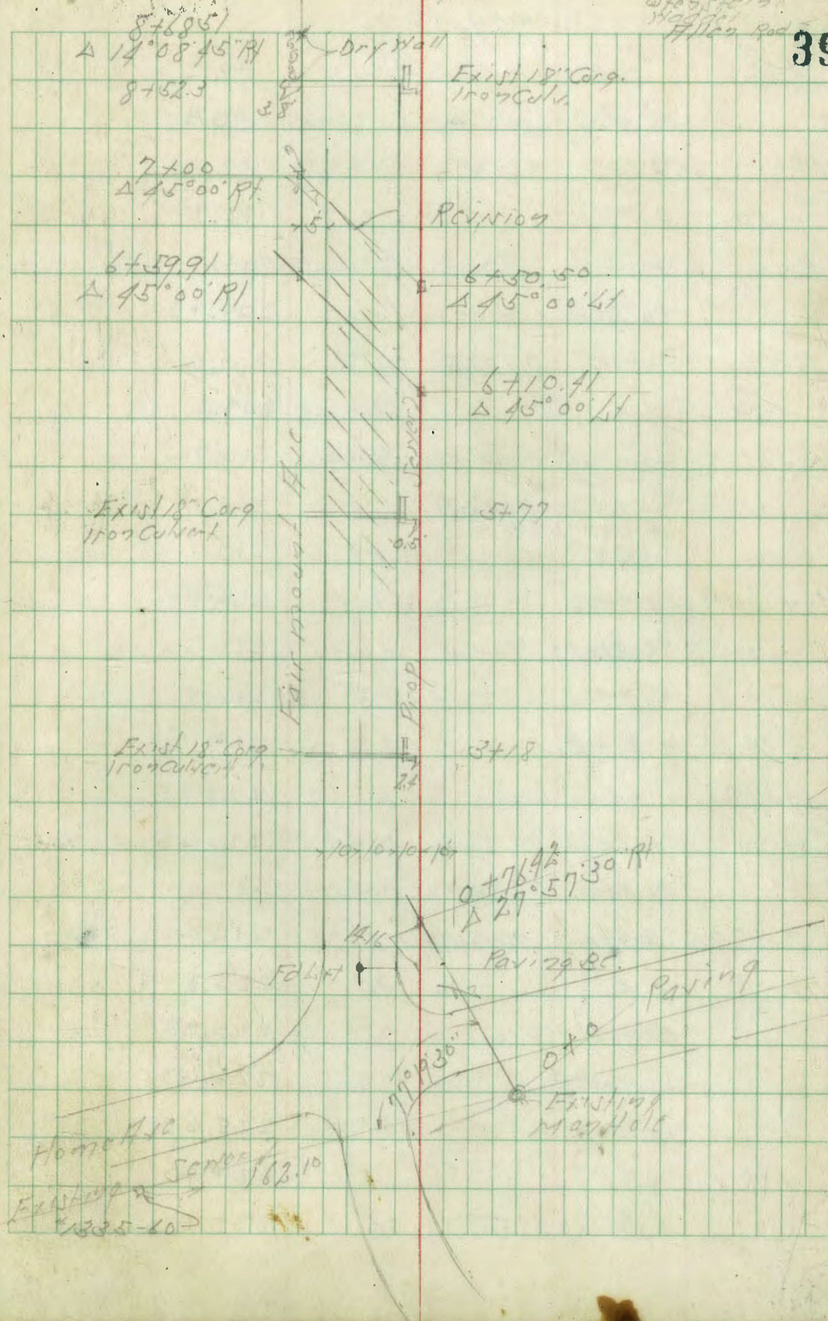
INDEXED

BM	12.79	160.84		148.05	B.P. Fly Cor. Box Culvert Fairmount + Home Ave
0+0	= Existing M.H.		10.74	150.10	on Rim
+11	= Edge oil Paving		10.12	150.72	
+65	= Edge "	"	6.96	153.88	
+76.42	Δ 27°57'30" Rt		5.51	155.33	on Stub
1+0			3.6	157.2	
"	10' Lt = Edge Conc Pav		2.95	157.89	
+21			1.7	159.1	
TP	12.19	172.90	0.13	160.71	
+23			11.8	161.1	
+50			9.3	163.6	
2+0			3.8	169.1	
"	10' Lt of ℄ = Edge Pav		3.17	169.73	
TP	12.98	185.70	0.18	172.72	
+50			11.0	174.7	
3+0			4.8	180.9	
"	10' Lt of ℄ = Edge Pav		4.55	181.15	
+18	24' Lt of ℄ = Fly Wing Wall		2.28	183.42	on Top
"	6.5 Lt of ℄ = Fly 18" Corg. Iron Culv.		4.84	180.86	Flow Line
+25			1.9	183.8	
+26	= Bottom 3 Side Ditch		3.5	182.2	
+38	= "	" "	2.3	183.4	
+39			0.5	185.2	
TP	12.43	197.94	0.19	185.51	
+50			11.2	186.7	

indexed
C.S.K.

Con't Page 41

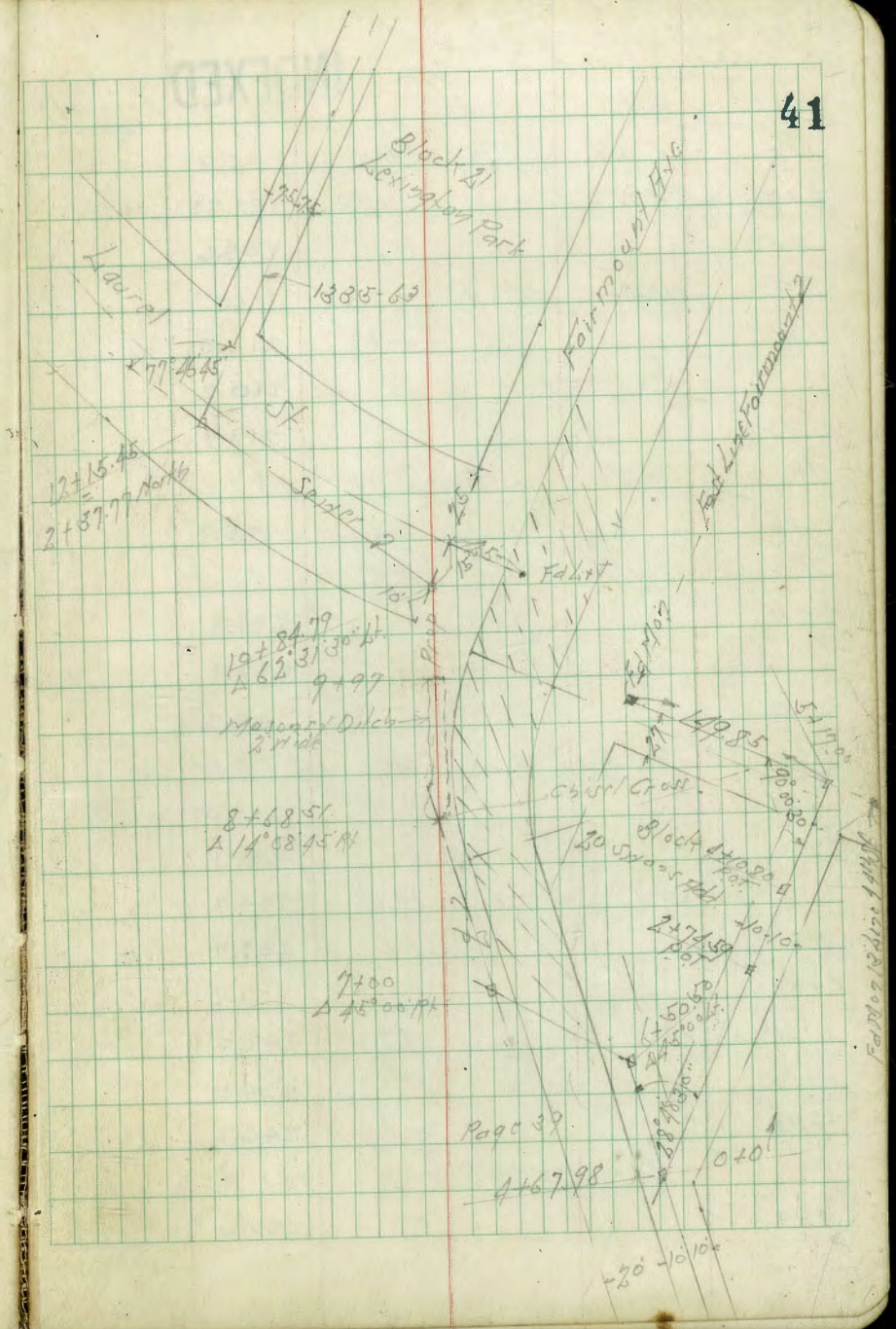
May 20-46
Sisson
Offenstein
Haggar
Allen Rod



		197.94			
4+0			5.7	192.2	
"	10' Lt of ℄ = Edge Pav.		4.60	193.3	
TP	12.65	210.49	0.10	197.84	
+50			12.8	197.7	
5+0			6.8	203.7	
"	10' Lt of ℄ = Edge Pav		6.06	204.43	
TP	11.87	222.08	0.58	210.21	
+50			12.3	209.8	
+77	0.5' Lt of ℄ Elv H Wall		9.34	212.74	
"	44 Lt " " = Elv 18" Corg. Iron Culvert		12.29	209.79	Flow Line
6+0			4.0	218.1	
+10.41	Δ 45°00' Lt		3.69	218.40	on Hub
"	8' Rt of ℄ = Top Cut		+1.5	223.6	
+13			5.3	216.8	
+24.45	= Edge Paving		3.96	218.12	
+52.83	= "	"	1.53	220.55	
+59.91	Δ 45°00' Rt		0.43	221.65	on Stab
TP	11.98	233.63	0.43	221.65	
+59.91	15' Lt of ℄ on Fill Slope		22.2	211.4	
7+0			8.3	225.3	
"	5.3 Rt of ℄ = Edge		7.88	225.75	
"	1' Lt of ℄		7.0	226.63	
"	15' Lt " "		8.0	225.63	
+18			6.2	227.4	
"	4' Lt of ℄ = Top Cut		0.5	233.1	

		233.63			
7+50			2.5	231.1	
"	4' Lt of ℄ = Top Cut		+2.4	236.0	
TP	12.95	246.46	0.12	233.51	
8+0			8.7	237.5	
"	5.3 Rt of ℄ Edge Paving		9.43	237.03	
"	7' Lt " "		9.1	237.4	
"	15' Lt " " on Fill Slope		12.0	234.5	
+25	27' Lt of ℄ = ℄ Pow Pole				
+50			3.7	242.8	
"	7' Lt of ℄		11.8	234.7	
"	15' " "		15.7	230.8	
+52.3	38' Lt of ℄ = Elv 18" Corg Iron Culv		8.17	238.29	Flow Line
+68.51	Δ 14°08'45" Rt		1.42	245.04	Cross
"	1' Lt = Bottom Wash		3.4	243.1	
"	6' Lt		3.1	243.4	
TP	12.39	258.40	0.45	246.01	
9+0	= Bottom 2' Masonry Open Ditch		10.67	247.43	
"	4.2 Rt of ℄ = Edge Pav		10.07	248.33	
"	6' Lt of ℄ Top Cut		+1.8	260.2	
+50	= Elv + Bottom 2' Masonry Ditch		4.7	253.7	
"	3' Lt of ℄		4.7	253.7	
"	6' Lt of ℄ = Top Cut		+5.7	264.1	
TP	10.17	268.51	0.06	258.34	
+97	= Elv Masonry Ditch		9.88	258.63	
10+0			9.8	258.7	

		268.51			
10+0	6' Rt of ℄ - Edge Pav		9.11	259.40	
"	5.5 Lt "		0.0	268.5	
+50			5.7	262.8	
"	9' Lt of ℄		5.2	263.3	
+71	4.8 Rt of ℄ = ℄ Pave & Pole				
+84.79	62° 31' 30" Lt		5.05	263.46	on Stub
11+0			4.6	263.9	
+50			3.9	264.6	
12+0			3.7	264.8	
+15.45			3.71	264.80	269.85
2+37.79 to Nork					1335-64
	Level Revision		6+10.41	to 7+00	on Stub
BM	9.56	22796		218.40	6+10.41
6+50.5	Δ 15°00'		13.69	224.67 / 13.69	on Stub
"	6 Rt of ℄ - Top Cut		+5.8	233.8 / +5.8	
+65.4	Edge Paving		5.30	222.60 / 5.30	
+93.7	" "		2.85	225.11 / 2.85	
7+0	Δ 45°00'		2.08	225.88	on Stub



Proposed Sewer Alley Block 20 Swans Add.
Fair mount Ave to Laurel St.
Sketch Page 41

INDEXED

BM	0.20	218.60		218.40	on Stub 6+10.41 Page 40
TP	4.57	211.54	11.63	206.97	
0+0	= 4+67.98		11.79	199.75	on Stub
+50			5.9	205.6	
TP	11.98	223.49	0.03	211.51	
1+0			4.2	212.3	
"	50' Rt of ℄		13.3	210.2	
+23			4.6	218.9	
TP	12.50	235.09	0.90	222.59	
+50			9.4	225.7	
TP	12.37	246.87	0.59	234.50	
2+0			9.0	237.9	
"	50' Rt of ℄		14.2	232.7	
+50			1.7	245.2	
TP	9.75	256.19	0.43	246.44	
+74.59	Pat		7.12	249.07	on Stub
3+0			5.1	251.1	
"	50' Rt of ℄		12.0	244.2	
+50			2.3	253.9	
4+0			5.0	251.2	
"	27' Rt of ℄		14.2	242.0	
+33			6.2	250.0	
+40			10.1	246.1	
TP	0.64	244.47	12.36	243.83	
+80			7.9	236.6	

indexed
C.S.K.

May 24-46
S. Wong
of Carlstein
Waddel
Allen

244.47

5+0			11.3	233.2	
TP	6.60	239.76	11.31	233.16	
+17	= 13' Line Laurel St.		9.79	229.97	on Stub

INDEXED

xsec of Grape St. = 12' curbs 75' wide
12.75 1/4 S

29th to 30th St. W.O. # 1035

Rush!

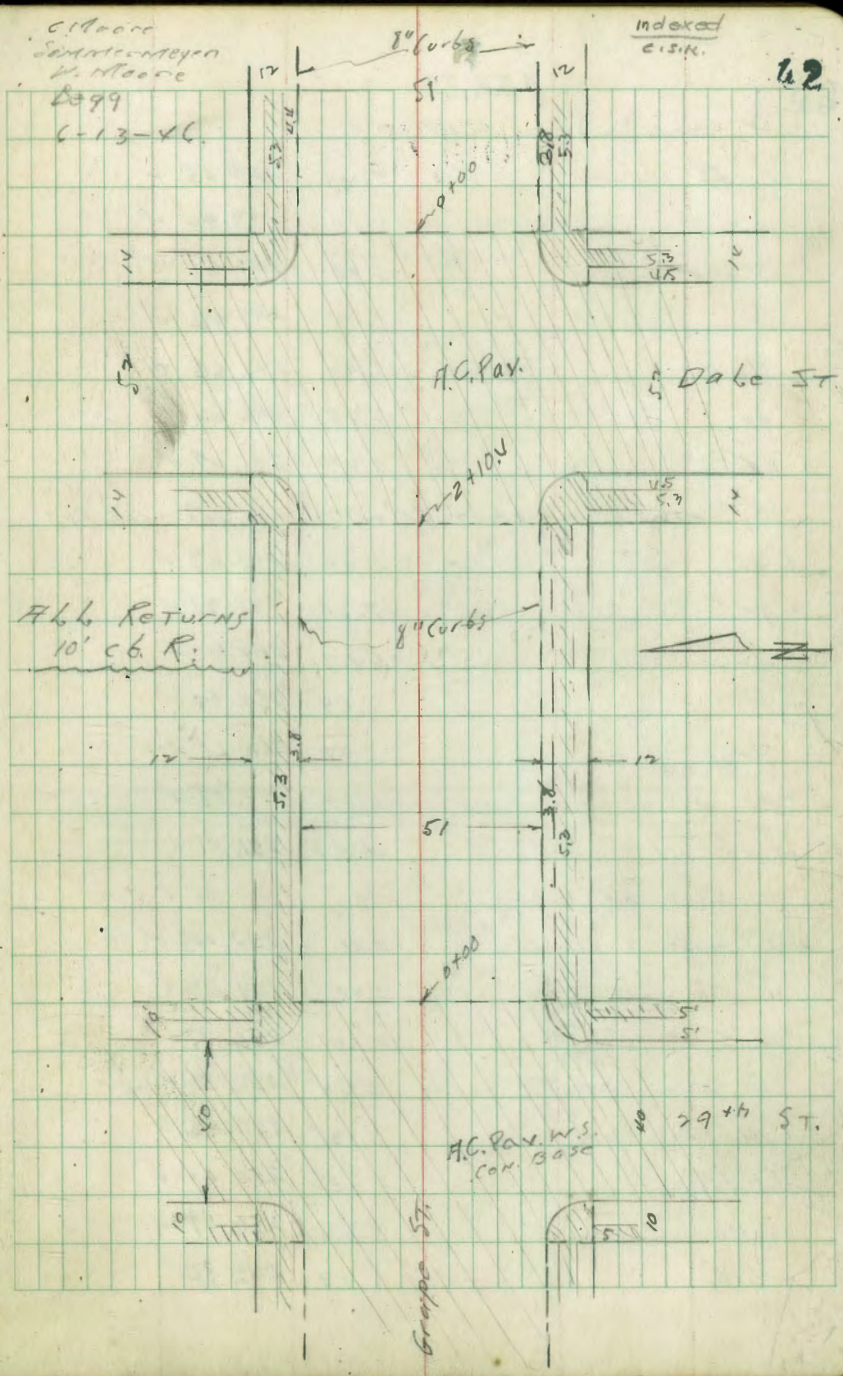
SW BP.	0.55	275.57 ✓		275.02	Grape and 30th
T.P.	0.71	263.34 ✓	12.94 ✓	262.63 ✓	
T.P.	2.54	255.59 ✓	10.29	253.05 ✓	
Fd. BP. out. only Ld. in hole	N.W. Cor. of 29th x Grape		4.57	251.02 ✓	Curb bulged up 250.92 ✓ 0.10

W.L. of 29th — 95'

N c6	12.45	243.14 ✓
gr	12.98	242.61 ✓
1/4	12.65	242.94 ✓
c	12.72	242.86 ✓
1/4	13.38	242.21 ✓
gr	14.26	241.33 ✓
S c6	13.67 ✓	241.97 ✓

W.L. 29th — 50'

S c6	10.31	245.28 ✓
gr	10.90	244.69 ✓
1/4	9.90	245.69 ✓
c	9.10	246.49 ✓
1/4	9.04	246.55 ✓
gr	9.27	246.32 ✓
N c6	8.75	246.84 ✓



255.59

W.L. 29th - 10'

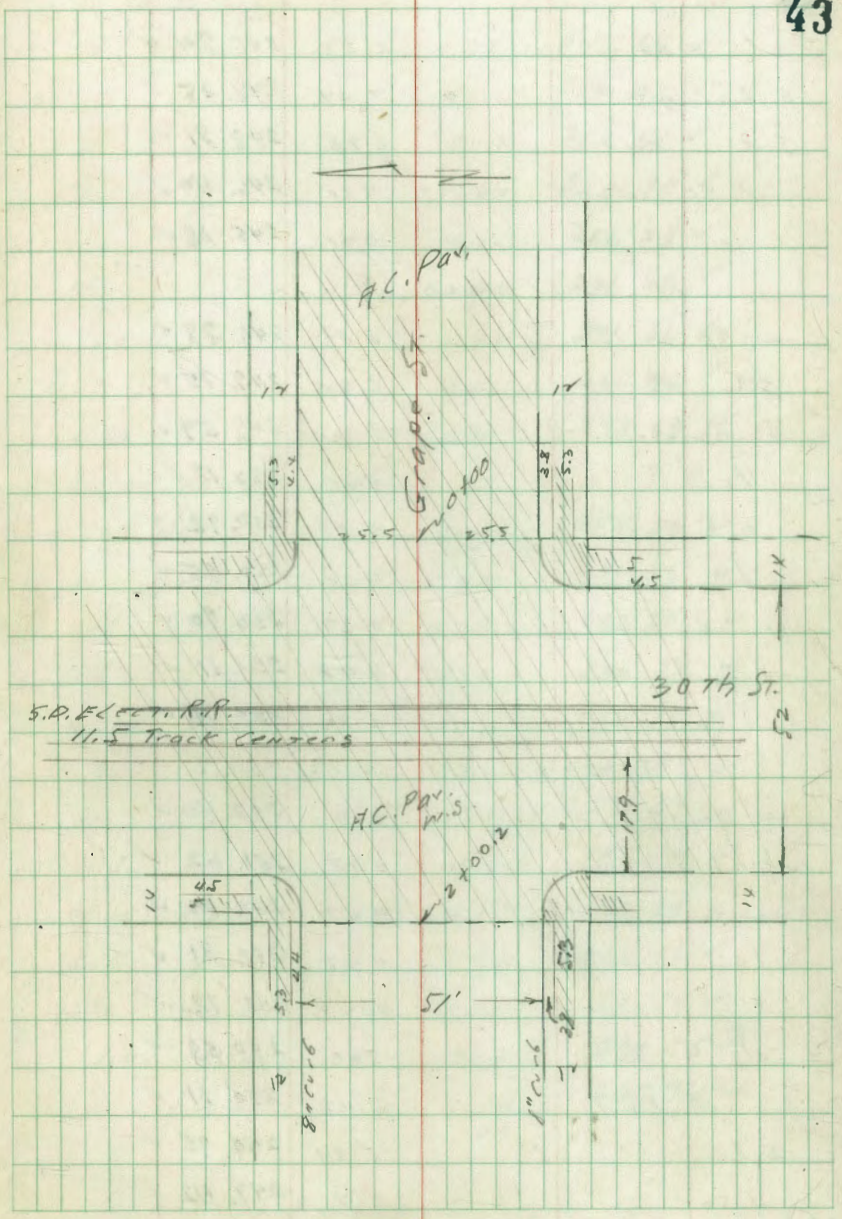
N c6	5.44	250.15 ✓
q r	6.15	249.44 ✓
1/4	5.98	249.61 ✓
c	6.17	249.42 ✓
1/4	6.93	248.66 ✓
q r	7.93	247.66 ✓
S c6	7.52	248.07 ✓

W.L. 29th = 60' wide, 10' c6's 10' 1/4's

S c6	6.92	248.67 ✓
q r	7.38	248.21 ✓
1/4	6.19	249.40 ✓
c	5.59	250.00 ✓
1/4	5.38	250.21 ✓
q r	5.57	250.02 ✓
N c6	4.58	251.01 ✓

W c6 29th

W.L. - 50 curb	3.11	252.48 ✓
" " q r.	3.71	251.88 ✓
W.L. curb	4.62	250.97 ✓
W.L. q r.	5.28	250.31 ✓
N c6 Pav.	5.13	250.46 ✓
1/4 "	4.98	250.61 ✓
c "	5.20	250.39 ✓
1/4 "	5.79	249.80 ✓



255.59

S c6 Pax	6.85	248.74 ✓
S.L. 97	7.3x	248.25 ✓
S.L. curb	6.78	248.81 ✓
+50 curb	9.10	246.49 ✓
" 97.	9.71	245.88 ✓
W 1/4 of 29th		
- 50	8.81	246.78 ✓
S.L.	6.4x	249.15 ✓
S c6 Line	6.00	249.59 ✓
1/4	5.41	250.18 ✓
c	4.87	250.72 ✓
1/4	4.6x	250.95 ✓
N c6. Line	4.69	250.90 ✓
N.L.	4.48	251.11 ✓
+50	2.8x	252.75 ✓
℄ 29th St.		
- 50	2.19	253.40 ✓
N L	3.97	251.62 ✓
N.c6. Line	4.29	251.30 ✓
1/4	4.28	251.31 ✓
c	4.47	251.12 ✓
1/4	5.0c	250.53 ✓
S .c6. Line	5.48	250.11 ✓
S.L.	5.84	249.75 ✓
+50	8.17	247.42 ✓

257.59

E 1/4 29th

- 50	7.9x	247.65 ✓
S.L.	5.51	250.08 ✓
S c6 Line	5.18	250.41 ✓
1/4	4.84	250.75 ✓
c	4.31	251.28 ✓
1/4	3.99	251.60 ✓
N c6. Line	3.93	251.66 ✓
N.L.	3.63	251.96 ✓
+50	1.90	253.69 ✓
E c6. of 29th		
- 50 c6	1.0x	254.55 ✓
" 97	1.83	253.76 ✓
N L curb	2.75	252.84 ✓
" 97	3.36	252.23 ✓
N c6 Pax	3.63	251.96 ✓
1/4	3.7x	251.87 ✓
c	4.1x	251.47 ✓
1/4	4.5x	251.05 ✓
S c6 Pax	5.16	250.43 ✓
S.L. 97.	5.58	250.01 ✓
S.L. curb	4.75	250.84 ✓
+50 curb	7.0x	248.55 ✓
" 97	7.83	247.76 ✓

Grade 57

25.5.59

0+00 = E.L. 7gth = Pav. edge

S c6			4.09	250.90 ✓
gT			5.16	250.43 ✓
1/4			4.30	251.3 ✓
C			3.8 ✓	251.77 ✓
1/4			3.45	252.14 ✓
gT			3.45	252.14 ✓
N c6			2.66	252.93 ✓
	0+10			
N c6			2.03	253.56 ✓
gT	d.c.t. Roadway now		3.0	252.6 ✓
1/4			2.9	252.7 ✓
C			3.7	252.4 ✓
1/4			3.8	251.8 ✓
gT			4.6	251.0 ✓
S c6			4.0 ✓	251.55 ✓
T.P.	12.60	266.50 ✓	1.69	253.90 ✓
	0+50			
S c6.			12.1 ✓	254.36 ✓
gT			12.8	253.7 ✓
1/4			12.0	254.5 ✓
C			11.3	255.2 ✓
1/4			11.0	255.5 ✓

266.50

Grape St.

N gT	10.9	255.60 ✓
N c6	10.2 ✓	256.26 ✓
0+88		
N c6	7.70	258.80 ✓
gT	8.4	258.1 ✓
1/4	8.0	258.5 ✓
C	8.2 ✓	258.3 ✓
1/4	9.3	257.2 ✓
gT	9.9	256.6 ✓
S c6	9.60	256.90 ✓
1+10		
S c6	8.09	258.41 ✓
gT	8.4 ✓	258.1 ✓
1/4	7.8	258.7 ✓
C	6.7	259.8 ✓
1/4	6.4	260.1 ✓
gT	6.8	259.7 ✓
N c6	6.27	260.23 ✓
1+50		
N c6	3.57	262.93 ✓
gT	4.1	262.4 ✓
1/4	3.4	263.1 ✓
C	3.6	262.9 ✓
1/4	4.7	261.8 ✓
gT	5.7	260.8 ✓
S c6	5.0 C	261.44 ✓

		266.50		
1 + 96.4				
S cb			1.58	264.92 ✓
gt			2.1	264.4 ✓
1/4			1.4	265.1 ✓
c			0.7	265.8 ✓
1/4			0.8	265.7 ✓
gt			1.0	265.5 ✓
N cb			0.36	266.14 ✓
T.P.	6.93	272.41 ✓	1.02	265.48 ✓
2 + 00.4 (10.4) = W.L. Dale St. Pav. edge — 80' wide, 14' curbs, 13' 1/4s				
N cb			5.33	267.08 ✓
gt			6.09	266.32 ✓
1/4			5.90	266.51 ✓
c			6.07	266.34 ✓
1/4			6.36	266.05 ✓
gt			6.93	265.48 ✓
S cb			6.43	265.98 ✓
W cb. Dale				
−50 curb			8.88	263.53 ✓
" gt			9.38	263.03 ✓
S.L. curb			6.39	266.02 ✓
" gt			6.91	265.50 ✓
S cb line Pav.			6.53	265.88 ✓

272.41		Grade
S 1/4	5.85	266.56 ✓
c	5.48	266.93 ✓
N 1/4	5.43	266.98 ✓
N cb line Pav.	5.64	266.77 ✓
N.L. gt	5.82	266.59 ✓
N.L. curb	5.30	267.11 ✓
+50 curb	4.24	268.17 ✓
" gt	4.77	267.64 ✓
W 1/4 Dale		
−50	3.77	268.64 ✓
N.L.	4.80	267.61 ✓
cb.	4.95	267.46 ✓
1/4	4.92	267.49 ✓
c	5.08	267.33 ✓
1/4	5.30	267.11 ✓
cb.	5.66	266.75 ✓
S.L.	5.88	266.53 ✓
+50	8.39	264.02 ✓
℄ Dale		
−50	7.72	264.69 ✓
S.L.	5.27	267.14 ✓
cb	5.03	267.38 ✓
1/4	4.85	267.56 ✓
c	4.71	267.70 ✓
1/4	4.50	267.91 ✓

N c6	4.30	268.11 ✓	
N.L.	4.16	268.25 ✓	
+ 50	3.04	269.37 ✓	
E 1/4 Dale			
- 50	2.85	269.56 ✓	
N L	4.03	268.38 ✓	
N c6 Line	4.25	268.16 ✓	
1/4	4.40	268.01 ✓	
C	4.54	267.87 ✓	
1/4	4.68	267.73 ✓	
S c6 Line	4.88	267.53 ✓	
S.L.	5.10	267.31 ✓	
+ 50	7.61	264.80 ✓	
E c6 Dale			
- 50 c6	6.88	265.53 ✓	
- 50 gr	7.64	264.77 ✓	
S.L. c6	4.42	267.99 ✓	
S L gr	5.25	267.16 ✓	
check to S.E. B.P. Grape & Dale	Curb Bulged out	4.40	268.01	267.95 0.06 High
S.L. c6 Line, pav.	5.03	267.38 ✓	
S 1/4	4.83	267.58 ✓	
C	4.64	267.77 ✓	
N 1/4	4.50	267.91 ✓	

N c6 Line, Pav	4.34	268.08 ✓
N.L. gr	4.17	268.29 ✓
N. L c6	3.36	269.05 ✓
+ 50 c6	2.23	270.18 ✓
" gr	3.00	269.41 ✓
0+00 = E.L. Dale ST. Pav. edge		
N c6	3.32	269.09 ✓
gr	4.16	268.25 ✓
1/4	4.17	268.24 ✓
C	4.33	268.08 ✓
1/4	4.63	267.78 ✓
gr.	5.02	267.39 ✓
S c6	4.34	268.07 ✓
0+14 dirt Roadway now		
S c6	3.91	268.45 ✓
gr	4.7	267.7 ✓
1/4	4.0	268.4 ✓
C	3.6	268.8 ✓
1/4	3.5	268.9 ✓
gr.	3.8	268.6 ✓
N c6	2.92	269.49 ✓
0+50		
N c6	1.66	270.75 ✓
gr	2.7	269.7 ✓
1/4	2.3	270.1 ✓

		272.41		
C			2.2	270.2 ✓
S ¼			2.9	269.5 ✓
9T			3.5	268.9 ✓
S c6			2.71	269.70 ✓
T.P.	8.17	279.69 ✓	0.89	271.52 ✓
0+85				
S c6			8.70	270.99 ✓
9T.			9.6	270.1 ✓
¼			8.8	270.9 ✓
C			8.3	271.4 ✓
¼			8.4	271.3 ✓
9T.			8.6	271.1 ✓
N c6.			7.69	272.00 ✓
1+15				
N c6			6.70	272.99 ✓
9T			7.6	272.19 ✓
¼			7.2	272.5 ✓
C			7.3	272.4 ✓
¼			7.9	271.8 ✓
9T			8.3	271.4 ✓
S c6			7.68	272.01 ✓
1+50				
S c6.			6.45	273.25 ✓

	279.69	Grade
S 9T.	7.2	272.5 ✓
¼	6.5	273.2 ✓
C	6.0	273.7 ✓
¼	6.1	273.6 ✓
9T	6.5	273.2 ✓
N c6	5.41	274.28 ✓
1+86 ✓		
N c6	4.18	275.51 ✓
9T	5.1	274.6 ✓
¼	4.7	275.0 ✓
C	4.7	275.0 ✓
¼	5.2	274.5 ✓
9T	5.7	274.0 ✓
S c6	5.12	274.57 ✓
2+00 ✓ = W. L. 30th = Pav. edge.		80' wide 14 curbs 13 ¼s
S c6	4.65	275.04 ✓
9T	5.17	274.52 ✓
¼	4.57	275.12 ✓
C	4.23	275.46 ✓
¼	4.23	275.46 ✓
9T	4.38	275.31 ✓
N c6	3.73	275.96 ✓
W. c6. 30th		
N - 50 curb	3.08	276.61 ✓
" " 9T.	3.67	276.02 ✓

N.L. curb	3.71	275.98 ✓
" gr.	4.28	275.41 ✓
N c6 Line Pav.	4.14	275.55 ✓
1/4	3.93	275.76 ✓
C	4.00	275.69 ✓
1/4	4.33	275.36 ✓
S c6 Line Pav	4.78	274.91 ✓
S.L. curb	4.71	274.98 ✓
" gr	5.07	274.62 ✓
+ 50 curb	5.84	273.85 ✓
" gr	6.32	273.37 ✓
W 1/4 30th		
- 50	5.42	274.23 ✓
S.L.	4.40	275.29 ✓
c6. Line	4.19	275.50 ✓
1/4	4.03	275.66 ✓
C	3.86	275.83 ✓
1/4	3.72	275.97 ✓
c6 Line	3.55	276.14 ✓
N.L.	3.40	276.23 ✓
+ 50	2.88	276.81 ✓
W. rail of W. Track		
- 50	2.75	276.94 ✓
N.L.	3.38	276.31 ✓
C	3.83	276.86 ✓

S.L.	4.78	275.41 ✓
+ 50	5.40	274.29 ✓
E. rail of W Track		
- 50	5.41	274.28 ✓
S.L.	4.30	275.39 ✓
C	3.83	275.86 ✓
N.L.	3.36	276.33 ✓
+ 50	2.76	276.93 ✓
W. rail of E Track		
- 50	2.77	276.92 ✓
N.L.	3.32	276.37 ✓
C	3.75	275.94 ✓
S.L.	4.19	275.50 ✓
+ 50	5.26	274.43 ✓
E. rail of E. Track		
- 50	5.27	274.42 ✓
S.L.	4.19	275.50 ✓
C	3.77	275.92 ✓
N.L.	3.33	276.36 ✓
+ 50	2.74	276.95 ✓
E 1/4 30th		
- 50	2.88	276.81 ✓
N.L.	3.50	276.19 ✓
N c6 Line	3.56	276.13 ✓
N 1/4	3.68	276.01 ✓

C	3.74	275.90	✓
S 1/4	3.85	275.84	✓
S cb Line	4.01	275.68	✓
S.L.	4.17	275.52	✓
+50	5.34	274.35	✓
E. cb of 30+A			
-50 curb	4.85	274.84	✓
" gt	5.58	274.11	✓
S.L. curb	3.62	276.07	✓
" gt	4.44	275.25	✓
S cb, Line par	4.10	275.59	✓
1/4	3.76	275.93	✓
C	3.55	276.14	✓
1/4	3.57	276.12	✓
N cb Line par.	3.69	276.00	✓
N.L. gt	3.73	275.96	✓
N.L. curb	3.08	276.61	✓
N.L. curb Break in curb	3.18	276.51	✓
+50 gt	3.16	276.53	✓
" curb	2.46	277.25	
0+00 = E.L. 30+A			
N. cb	3.17	276.52	✓
N. gt	3.88	275.81	✓
1/4	3.58	276.11	✓
C	3.43	276.26	✓

S. 1/4	3.70	275.99	✓
gt	4.15	275.54	✓
S. curb	3.63	276.06	✓
T.P. orig. B.M. SWBP 5.77 280.78	4.68	275.01	30+A ✓ Grape 275.02 / 0.01
0+14			
S. curb	4.98	275.80	✓
gt	5.42	275.36	✓
1/4	4.87	275.91	✓
C	4.58	276.20	✓
1/4	4.67	276.11	✓
N. gt in drive	5.13	275.65	✓
0+30			
N. gt. in drive	5.40	275.38	✓
1/4	4.90	275.88	✓
C	4.78	276.00	✓
1/4	5.14	275.64	✓
gt	5.72	275.06	✓
S. curb	5.38	275.40	✓
0+50			
S. curb	5.70	275.08	✓
gt	6.13	274.65	✓
1/4	5.49	275.29	✓
C	5.16	275.62	✓

280.78

N ¼	5.22	275.56 ✓
gr	5.55	275.23 ✓
N curb	4.88	275.90 ✓
1+02		
N curb	5.66	275.12 ✓
gr	6.33	274.45 ✓
¼	6.06	274.72 ✓
C	6.03	274.75 ✓
¼	6.41	274.37 ✓
gr	7.09	273.69 ✓
S curb	6.67	274.11 ✓
orig. BM.	5.77	275.01 ✓ 275.02

9-14-55 - Roberts - W.O.# 31035

0+00 = EL. 29½ St.

0+00 to 0+55 on Lt bad curb.

1+56 to 1+66 on Rt bad Curb

1+89 to 2+10.4 on Lt bad Curb

2+10.4 = West Line Dale

0+00 = East Line Dale

N.E. Corner Dale & Grape Walk in bad shape. Also S.E. Corner.)

0+35 to 0+41 on Rt bad curb

0+57 to 0+61 on Lt bad Curb

0+59 on Lt bad bump in walk. ¢ 8" wide

0+87 to 0+90 on Rt bad Curb

1+44 to 2+00.2 on Rt bad curb.

1+87 to 2+00.2 on Lt bad Curb.

2+00.2 = West Line 30th St.

INDEXED

City Heights

X-Sect. 20' Alley in Blk. 33 Univ. Hts. +0 E.
Closed Thru School Prop. + 25' Lot opened for Dr.
See sketch P 60

1+07 - ℄ Sing. Gar. on Lt. Conc. floor
1+07 - ℄ Sing. Gar on Rt. Conc. floor + apron

1+02 - 10.5 Rt. = end Conc. curb
1+00 - 9.5 Lt. = end oil pave

and is foundation for back of Gar. - Dr. to Wilson St.

0+94 - 10.9 Rt. = ℄ Sing. Gar. Dirt floor - Conc. curb Cont.
0+88 = end of fence on Rt. at edge of Gar.
0+65 - 8.9 Lt. = ℄ P. pole
0+50 - Beg. slat fence back of curb. on Rt.

0+35 - 14.6 Rt. = ℄ Med. frame House

0+20

0+02 - 10' Rt. = W. side 6" Conc. curb
0+02 - 3' Lt. - ℄ Gas Co. Gutte Cover
0+00 - 10' Lt. = edge of oil pave for Ser. Sta. lot - joins cb.
0+00 = N.L. Univ. Ave = edge A.C. pave

Alley Ret. on Rt. broken + Leaning out
0-14 = N. cb. Line Univ. Ave.

BM.	4.67	366.22	361.55	N.W. B.P. 35th + Univ.

7-19-46
Osborne
McCoy
Hardin
Waddell

Indexed C.S.M.

Lt = W. ℄ Rt. E. 52

Notes Reduced 7-27-46 rrhenry

362.50
3.72
12 = floor

361.86
4.36
10.5
apron

361.56
4.76
13.7
Floor

362.24
3.98 = Top cb.
10.5

362.24
3.8
2.0
on pave

362.27
4.0
9.5
Cor. pave

362.24
4.0

362.33
3.9
10

362.27
3.95
10.9 = Top cb.
+ floor

361.5
4.3
2.0
on pave

361.6
4.6
9.7 = edge of pave
+ Dirt

361.5
4.7

361.7
4.5
10

362.08
4.14
10.2 = Top cb

362.55
3.67
14.6
Floor
House

361.2
5.0
10

361.33
4.9

361.33
4.9
10
ground

361.75
4.47
10
Top cb

360.87
5.35
3
on Cover

360.98
5.24
9.9
Top cb. end Ret

360.99
5.23
9.9
gut on pave

360.76
5.46

361.11
5.11
9.8
gut.

360.99
5.23
9.8
Top cb. - broken face down

361.46
4.76
10
Top 4" curb.

360.93
5.79
5.0
gut.

360.56
5.66
10
Top cb.
2' Rad Ret.

360.37
5.95
10
gut

360.26
5.96

360.35
5.87
10
gut.

360.10
5.55
10
Top cb

360.17
6.05
5.0
gut

366.22

4+00 - 84 Lt. = ℄ P pole

3+50

3+01 - 92 Lt. = ℄ P. pole

3+00

2+50

I.P.	8.81	373.46	1.57	364.65

2+17 - 10.4 Lt. = end pickett fence

2+17 - 10' high wire fence for school grounds E & W. 14' Rt. = N.&S. fence

2+00

1+83 - 8.8 Lt. = ℄ P. pole + 9.8' Lt. = Beg. pickett fence

1+74.89 = N.L. of 25' opening to E.

1+62.39 = ℄ to E.	3.48	362.74	on Hub.

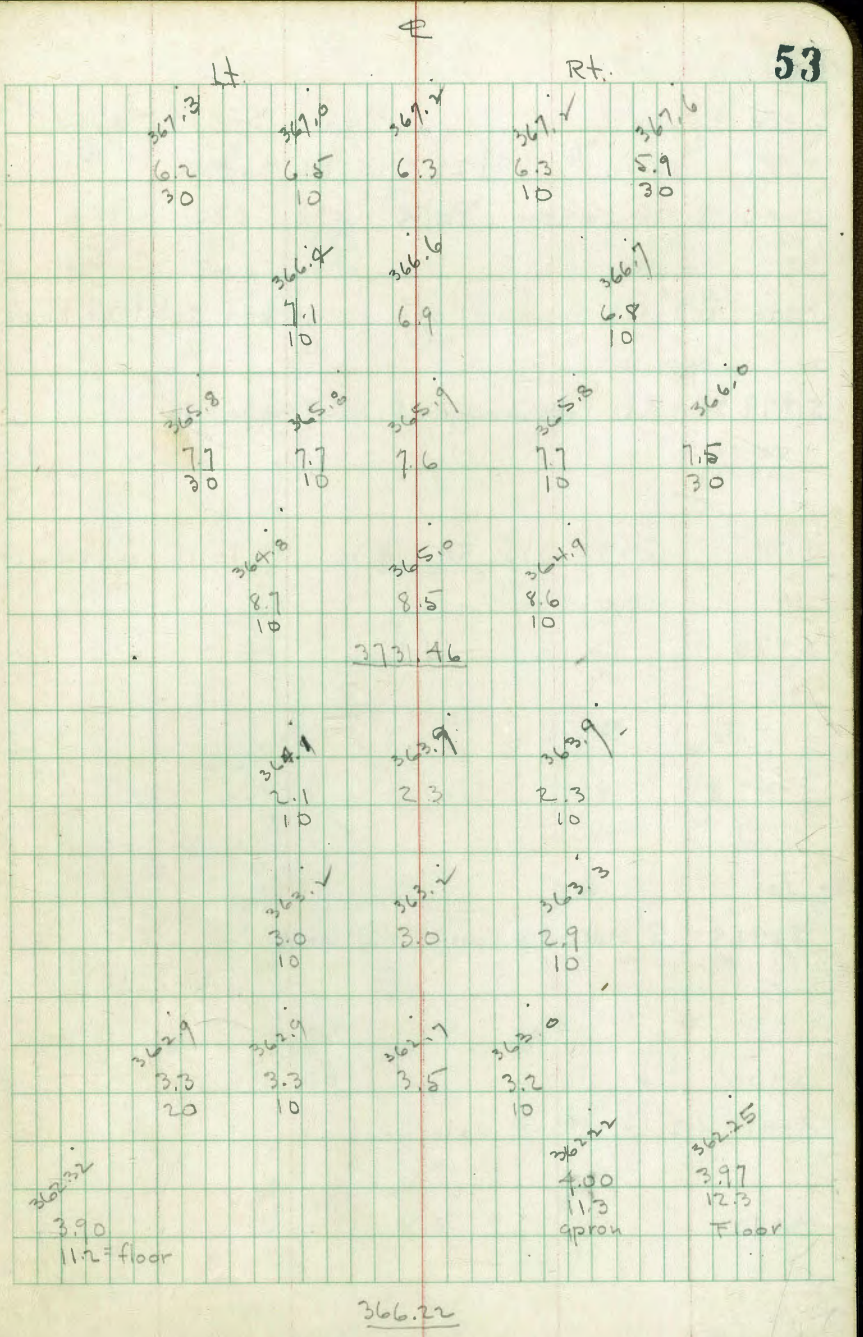
1+55 - 9.8' Lt. = end fence

1+49.90 = S.L. 25' opening to E.

1+36 - 10.4 Lt. = beg. Lath fence

1+27 - ℄ Sing. on Rt. Conc. floor + apron

1+20 - 11.2 Lt. = ℄ Doub. Gar. - Conc. floor



Check B.M.			9.75	361.54	361.55
T.P.	1.81	371.29	6.11	369.48	

6+06.08 = S. cb Line Polk

Note: Ret. are approx. 1' off - checked split of block and is app. o.k.

5+99.58 = S.L. Polk. ± edge of A.C pave

T.P.	5.43	375.59	3.30	370.16	end Ret on Lt.

5+70

5+47.4

5+41.4 = S. side of 6' Conc. E.t.W. walk

5+00

4+98 - 8.8 Lt. = ℄ P. pole

4+50

Lt. ℄ Rt.

369.84 370.06 369.67 369.61 369.63 370.01 369.40

5.75 5.53 5.92 5.98 5.96 5.58 6.19
50 8.5 8.5 10.9 10.9 50
gut. Top cb. gut gut Top cb. gut
2' Rad Ret.

370.16 370.01 369.96 370.12 370.29

5.43 5.58 5.63 5.47 5.30
8.5 8.5 10.9 10.9
Top cb. gut gut Top cb.
end Ret

375.59

370.1 370.0 369.6

3.4 3.5 3.9
10 10

369.66 369.81 369.88 369.8

3.80 3.65 3.58 3.7
10 walk 10 walk 10 ground

370.15 369.57 369.72 369.89 369.87 369.6

3.31 3.89 3.74 3.62 3.59 3.9
20 10 8.2 = angle in walk 10 10
edge walk walk ground

369.3 368.6 368.6 368.8 369.0

4.2 4.9 4.9 4.7 4.5
30 10 10 30

367.9 368.0 368.0

5.6 5.5 5.5
10 10

373.46

Levels on 25' lot opened for Pub. Drive To Wilson from 15' Alley - See sketch P. 60

INDEVER

1+419 = W. edge of 5.3' Conc Side walk - Left in for Dr.

1+40.04 = W.L. Wilson St - 133 Lt. = end High fence

1+00 - ℄ House on Rt

0+69 - 15.4 Rt. = ℄ Med. House

0+65

0+58 - 12.4 Rt. = end Lath fence

0+20

0+03 - 13.3 Lt. = Beg. 10' Wire fence to school grounds

0+03 - 12' Rt. = beg. lath fence

0+00 = E.L. of 15' N&S. Alley

B.M. 5.89 368.63 362.74 on ℄ Hub 1+62.39

P. 53

℄ of 25' lot

Lt. = N

Rt. = S

363.35
5.28
12.5 on walk

363.10
5.53
on walk

362.84
5.79
12.5 on walk

363.4
5.2
12.5

363.9
5.6

362.9
5.7
12.5

363.5
5.1
12.5

363.2
5.4

363.1
5.5
12.5

364.78
3.85
15 - floor elev

364.36
4.27
15.4 - floor elev.

363.7
4.9

363.8
5.4

363.2
5.4
12.5

362.6
6.0
15

363.7
4.9
12.5

363.6
5.0

363.2
5.4
12.5

363.4
5.2
12.5

363.2
5.4

363.1
5.5
12.5

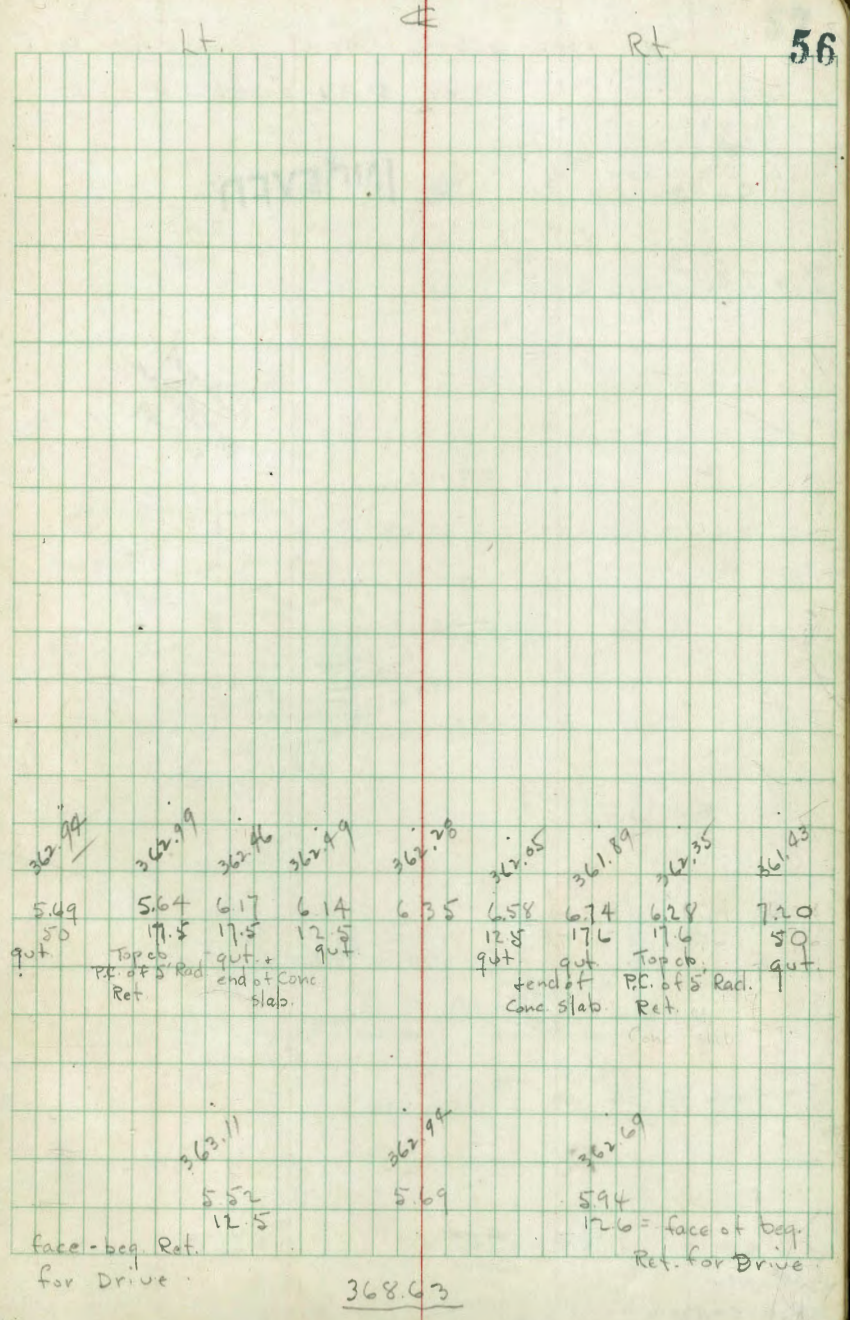
368.63

check Starting B.M. N.W. Wilson & Unw.			3.97	361.53	361.55
check B.M.	5.28	365.50	4.99	360.51	360.61
T.P.			8.41	360.22	

1+54.04 = W. cb. line of Wilson

1+49.05 = opp. P.C.'s of 5' Rad Ret. in curbs for Drive. Same cuts as below

1+47.2 = E edge of walk + Beg solid Conc slab for Drive - inside curbs



Re- ½ sec Abbey Blk 13 Swan's Add.

See P 14 and 18

Moore
Begg
Sherman
D. Sisson
4-18-49

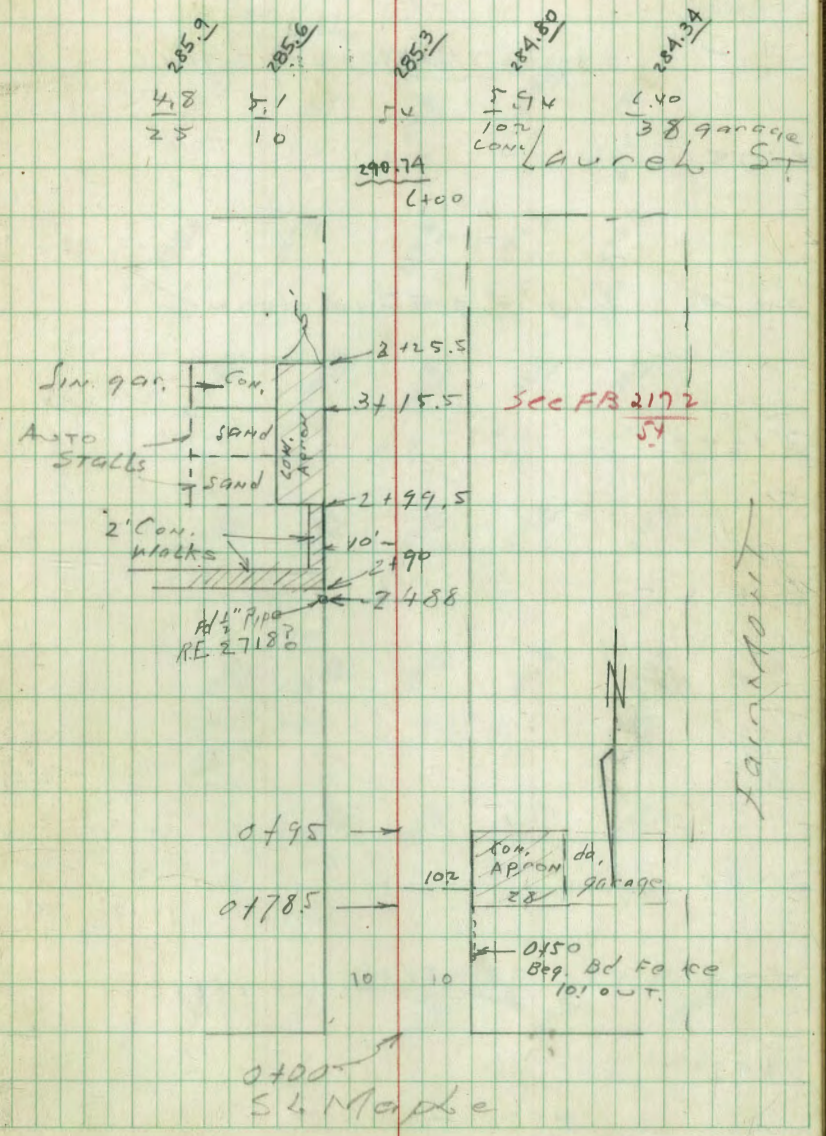
INDEXED

0+78.5

Reduced
McClenen
5-5-49

NW BP 10.57 290.74 280.17
Maple
Fairmont

Lt = E ℄ Rt 57



BLK 13 Swians

T.P.	0.45	~~259.90~~ 259.20	12.90	258.75
4+00				
T.P.	0.99	271.65	12.01	270.66
3+75				
3+50	Slight ground change			
3+25.5				
3+15.5				
2+99.5				
2+90				
TP	4.51	282.67	12.58	278.16
0+95				
		290.74		

Lt. ℄ Rt.

See Pg 59

271.65

Lt		℄		Rt
276.2 / 4.5 / 25	275.1 / 2.4 / 10	274.5 / 8.2	274.8 / 7.9 / 10	275.5 / 7.2 / 25
278.0 / 4.7 / 25	277.2 / 5.5 / 10	277.4 / 5.3	277.2 / 5.5 / 10	277.0 / 5.7 / 25
280.65 / 2.0 / 15 Con	279.53 / 3.14 / 10 Con	278.8 / 3.9	278.6 / 4.1 / 10	278.4 / 4.3 / 25
280.68 / 1.99 / 15 Con	279.87 / 2.80 / 10 Con	279.2 / 3.5	279.0 / 3.7 / 10	278.6 / 4.1 / 25
280.67 / 2.00 / 15 Con	280.46 / 2.21 / 10 Con	280.0 / 2.7	279.4 / 3.3 / 10	279.2 / 3.5 / 25
	280.80 / 1.87 / 10 Con.	280.4 / 2.3	279.7 / 3.0 / 10	279.4 / 3.3 / 25

282.67

Lt		℄		Rt
285.6 / 5.1 / 25	285.3 / 5.4 / 10	285.0 / 5.7	284.47 / 6.27 / 10.2 Con. Apron	284.36 / 6.38 / 38

290.74

BLK 13 Swans

C [illegible] ¢ Laurel

5+75				
T.P.	0.85	225.78	10.97	224.93
5+60				
5+45				
T.P.	1.04	235.90	12.61	234.86
5+29				
5+04				
4+81				
T.P.	0.35	247.47	12.08	247.12
4+50				
		259.20		

Lt 217.4 8.4/30 — 211.9 13.9/20 Wash — 215.9 9.9/10 — ¢ 219.3 6.5 — 223.4 2.4/10 — 223.8 +2.0/20 Rt

223.1 2.7/20 — 219.2 6.6/10 — 214.4 11.4/3 ← — 214.3 11.5 Wash — 218.8 7.0/10 — 222.8 3.0/20

225.78

228.2 7.7/20 — 224.1 11.8/10 — 221.1 14.8 — 219.0 16.9/10 — 216.4 19.5/12 Wash — 220.0 15.9/20

233.4 2.5/20 — 230.6 5.3/10 — 228.3 7.6 — 225.4 10.5/10 — 218.9 17.0/14 — 217.2 18.7/20 — 220.7 15.2/30

Main wash From N.W.

235.90

239.6 7.9/20 — 238.3 9.7/10 — 235.8 11.7 — 230.5 17.0/10 — 225.1 22.4/20

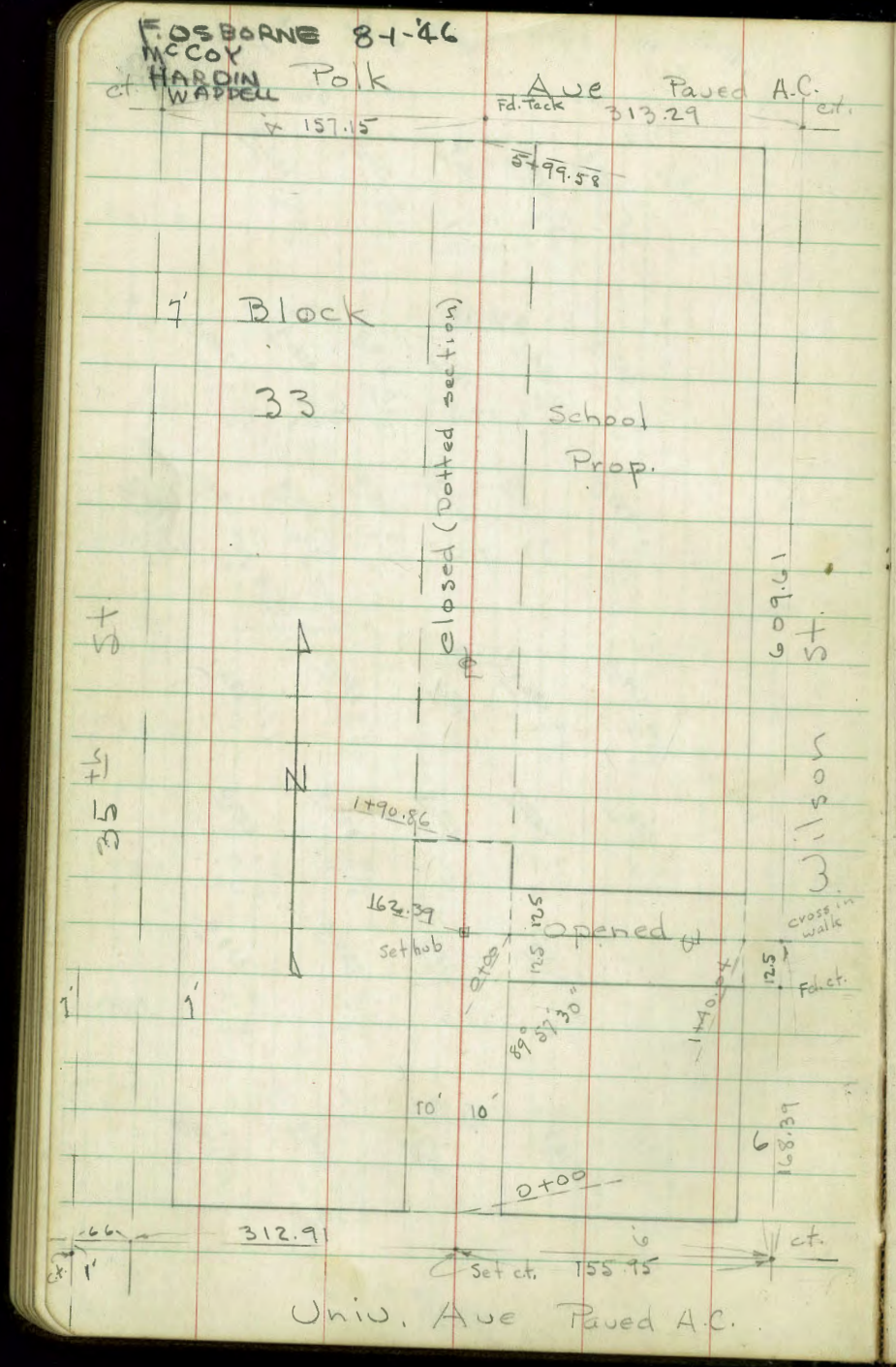
244.1 3.4/20 — 240.0 7.5/10 — 233.9 13.6 — 226.5 21.0/10 — 230.0 17.5/20

243.2 4.3/20 — 238.0 9.5/10 — 233.9 13.6 — 235.4 12.1/10 — 239.4 8.1/20

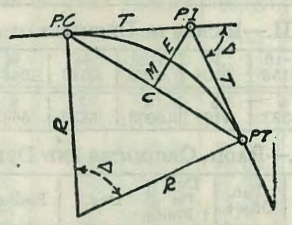
247.47

241.7 17.5/20 — 238.7 20.5/10 — 245.3 13.9 — 248.4 10.8/10 — 254.8 4.4/20

259.20



DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES



CURVE FORMULAS

Radius=R=$\frac{50}{\sin. D/2}$ (1) Degree of Curve=D and sin. $\frac{D}{2}=\frac{50}{R}$ (2)

Tangent=T=R tan $\frac{\Delta}{2}$ (3) Length of Curve=L=$100\frac{\Delta}{D}$ (4)

Middle ordinate=M=R(1—cos. $\frac{\Delta}{2}$) (5)=R vers $\frac{\Delta}{2}$ (6)

External=E=T tan $\frac{\Delta}{4}$ (7)=R ÷ cos. $\frac{\Delta}{2}$—R (8)=R exsec $\frac{\Delta}{2}$ (9)

Long Chord=C=2 R sin. $\frac{\Delta}{2}$ (10) Δ=Central Angle

EXPLANATION AND USE OF TABLES

Stations.—Given P. I.=Sta. 161+60.35 to find Sta. of P. C. and P. T. Δ=62° 10′ D=8° 20′. From Table IV for 1° curve T=3454.1 and ÷8⅓=414.49 ft. From Table V correction=.36 or T=414.85 ft. P. C.=Sta. P.I.—T=157 +45.50. Also from (4) L=746.00 and P. T.=Sta. P. C.+L=164+91.50.

Offsets.—Tangent offsets vary (approximately) directly with D and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft.=7.27 ft. Distance=158—Sta. P. C.=54.50, hence offset=7.27 $(54.50 \div 100)^2$=2.16 ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus $(54.50)^2 \div (2 \times 688.26)$=2.16 ft.

Deflections.—Deflection angle=½ D for 100 ft., ¼ D for 50 ft., etc. For c ft.=(in minutes) .3 x C x D° or=defl. for 1 ft. from Table III x C. For Sta. 158 of above curve=.3 x 54.5 x 8⅓=136.2′ or 2° 16.2′, or=2.50 x 54.5=136.2′ from Table III. For Sta. 159 deflection angle=2° 16.2′ +8° 20′ ÷2=6° 26.2′, etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 115.37. For from Table IV for 1° curve E=960.6 for 8° 20′=960.6 ÷8⅓=115.27 and from Table V correction=.10 or E=115.37 ft. Or suppose Δ=32° and E is measured and found to be 42 ft. What is D? From Table IV E=230.9 and ÷42=5.5 or D=5° 30′.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9+(20—16)÷2 or 2 ft. added to 41.9 =43.9. For slopes of 1 on 1 see inside of front cover.