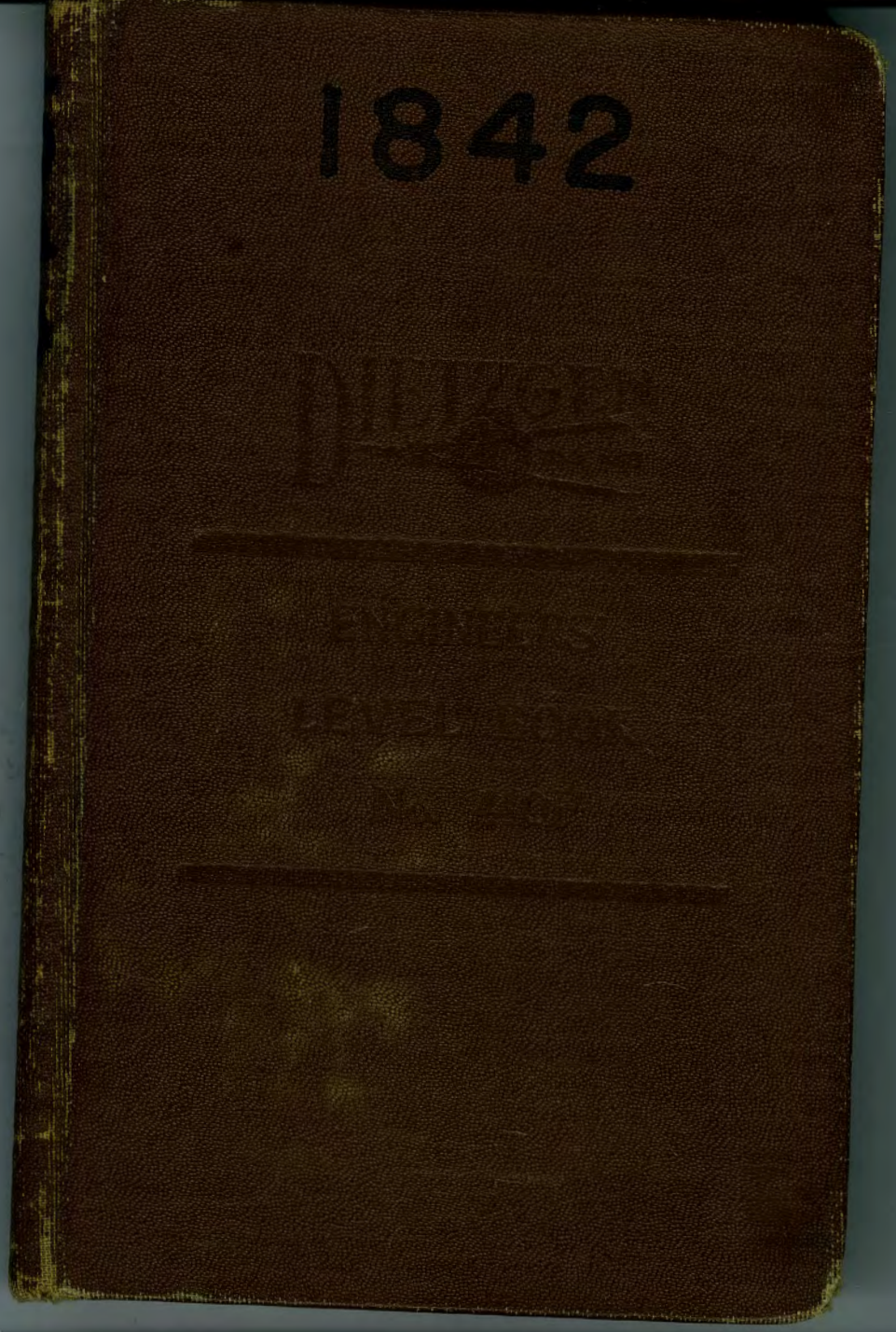

1842

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.

1842

130

CITY ENGINEER'S OFFICE

INDEXED

to page #72

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.

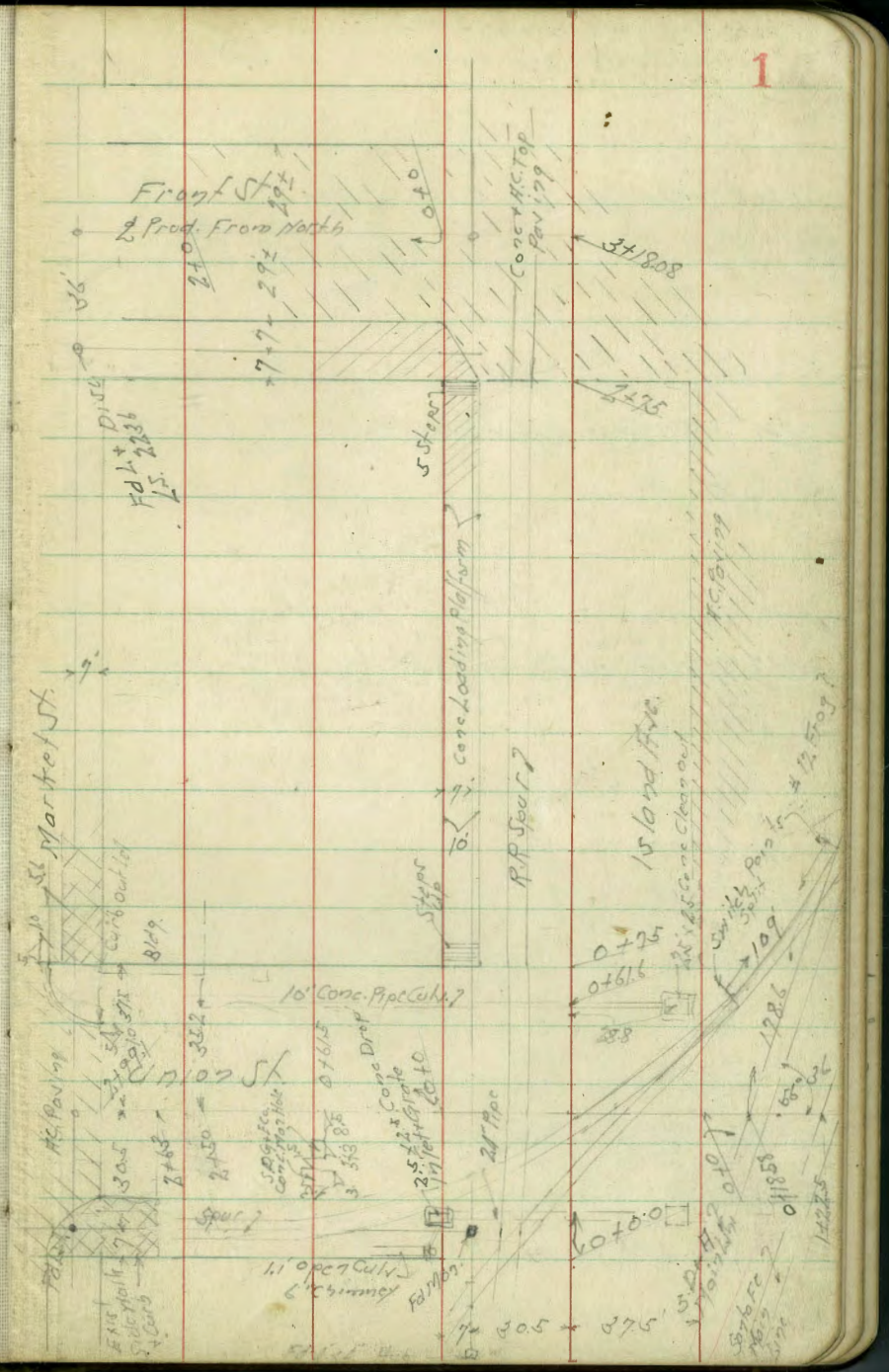
Cross Section Island Ave Union St & Front St. 1-7
" " M.V. Sewer Coverage 368+20 to M.H. 70 10-13
" " Alley Blk. 66 Normal Hgts 39-47
" " " " 3 Cullens Westland Ter 48
" " " " 5 Reeds Central 54
" Chesren St. Lisbon to Jamacha 63
Profile Prop. Drain S/o Commercial 22ND TO HARRISON 37
X-Sec. Alley Blk. 66, Normal Heights 39
X-Sec. Alley Blk. 3, Cullen's Westland Terrace 48
X-Sec. Alley Blk. 3, Cullen's Westland Terrace, from Ivy to Juniper, bet Commonwealth & Pentuckett 49
X-Sec. Alley Blk. 5 Reeds Central & 78 Powers 54
X-Section Chester St., Lisbon to Jamacha 63
X-Sec. Dove St., Spruce to Thorn 66

Cross Section Island Ave.
Union St to Front St
Also Union St & Front St North of Island Ave

Levels Next Page

March 31-48
Sisson
Smith
Allen
Solomon
No. 25001

4-1-48 - Notes Reduced Mhenry-



Cross Section Union St
15 and Hyc to 200' North
Sketch Page 1

0+61.5 = Opp. San Diego Gas + Elec Co. Man Holes on Left

0+36 = SW Conc. Apron on Rt.

0+17 = NW Conc. Apron on Rt.

0+10

0+02 = SW Conc Apron on Rt.

0+00 = NL Island Hyc

8M 4.36 15.29 10.93 SW BP Market + Union

Lt. W | ℄ | Rt. E

2

5.8 5.89 6.20 6.20 6.1 6.3 6.3 5.74 6.44

9.5 / 37.5 — 9.40 / 25.6 — Top of Rail — 9.09 / 18 — E 1/2 3+4 MH — 9.02 / 8.5 — E 1/2 3 MH 30 Feet — 9.1 — 9.0 / 12.5 — 9.0 / 25.4 — Ground — 9.55 / 25.4 — SW Conc Apron — 8.85 / 37.5 — Conc Apron & Bldg Floor

5.4 5.79 5.8 5.8 6.0 6.0 5.67 5.44

9.9 / 37.5 — 9.50 / 22.6 — Top of Rail — 9.5 / 12.5 — 9.5 — 9.3 / 12.5 — 9.3 / 25.4 — Ground — 9.62 / 25.4 — SW Conc Apron — 8.85 / 37.5 — SW Conc Apron

5.1 5.4 5.10 5.2 5.6 5.8 5.6 5.36 5.9

10.2 / 37.5 — Bot Found — 9.9 / 25 — 9.69 / 18.1 — Top of Rail — 9.7 / 12.5 — 9.7 — 9.5 / 12.5 — 9.8 / 25.5 — 9.93 / 25.6 — SW Conc Apron — 9.70 / 37.5 — SW Conc Apron

5.4 4.80 5.07

9.9 / 25.4 — Ground — 10.19 / 25.4 — SW Conc Apron — 9.45 / 37.5 — Conc Apron

5.3 4.97 5.08

10.0 / 25.4 — Ground — 10.32 / 25.4 — SW Conc Apron — 9.43 / 37.5 — SW Conc

15.29

Union St.

Cont Page 8

TP	9.20	14.60	9.89	5.40
1+70				
1+50				
1+30				
0+73				

1529

Lt. = W

Rt. = E

7.4	7.5	8.7	8.8	8.6	8.5	8.7	9.1	9.6
7.9 / 37.5	7.72 / 25.5 = Top Rail	6.6 / 22	6.5 / 12.5	6.7	6.8 / 12.5	6.6 / 25.6	6.3 / 37.5 = Ground	5.68 / 37.5 = W.W. Conc. Slab
7.2	7.10	7.6	7.7	7.9	7.9	7.9	7.9	0.47
8.1 / 37.5 = E.W. Bldg.	8.19 / 26.7 = Top Rail	7.7 / 12.5	7.8		7.6 / 12.5	7.4 / 25.5	7.5 = Ground	6.82 / 37.5 = W.W. Conc. Slab
6.4	6.39	7.0	7.0	7.3	7.0	6.9	7.9	
8.9 / 37.5 = E.W. Bldg.	8.90 / 26.7 = Top Rail	8.3 / 12.5	8.3	8.0 / 12.5	8.3 / 25.5	8.4 / 37.5 = Ground	8.10 / 37.5 = S.W.W. Conc. Slab	
			6.4	6.6	6.4	6.2	6.3	
			8.9	8.7 / 12.5	8.9 / 25.1 = Ground	8.77 / 25.1 = W.W. Conc. Apron	8.56 / 37.5 = W.W. Conc. Apron	

1529

Cross Section Island Ave
W.L. Union to East Curb Line of Front St.
Sketch Page 1

See also Page 73

	Lt. H	℄	Rt. S
0+61.6	5.69 10.91 39.2 – Top 10" Conc. Pipe Culvert	3.37 10.23 28.8 – Top Grate	7.0 – 3.13 13.90 17.75 28.8 – 2.25x2.25 Clear Box + Bottom 37.5 Lt. 52.1 10" Conc. Pipe
0+37.5 = ℄ Union St.	5.4 6.33 5.07 4.6 4.7 4.94 4.6 9.2 9.27 9.53 10.0 9.9 9.66 10.0 37.5 15 – Tops Rail 22 – Top NE Rail 12.5 21 – Top NE Rail 37.5		
0+21.1	5.51 5.29 4.86 9.09 9.31 9.74 30.5 – Top N Rail 17.7 – Top S Rail 9.74 – Top NE Rail		
0+12 = 2.5x2.5 Conc. Drop Inlet on Lt.	-.79 4.88 15.39 9.74 37.5 – Bottom Box 37.5 2.25x2.25 Grate		
0+0 = W.L. Union St.	4.30 4.9 5.08 5.01 5.1 4.9 5.10 4.3 10.30 9.7 9.59 9.55 9.4 9.7 9.50 10.3 22 – 5½ Lipped Conc. Gutter Flow Line 37.5 22 – Top N Rail 13.4 – Top S Rail 12.5 28.9 – Top N Rail 37.5		

14.60 St. Ford. 14.60

Island Ave

Lt. | Rt.

2+00

9.54 | 5.1 | 5.09 | 5.1 | 5.3 | 5.0 | 5.03 | 4.94
5.06 | 9.1 | 8.9 | 9.1 | 9.3 | 9.6 | 9.57 | 9.66
27.6 - Sh. Platform | 27.6 - Bay Platform | 14.5 - Tops Rail | 12.5 | | 12.5 | 32.7 - NH Elec Pole | 37.5 on Elec Pole

1+50

9.49 | 5.4 | 5.55 | 5.1 | 4.9 | 4.8 | 4.70 | 4.65
5.11 | 9.2 | 9.05 | 9.5 | 9.7 | 9.8 | 9.90 | 9.95
27.6 - Sh. Top Platform | 27.6 - Bay Platform | 14.5 - Tops Rail | 12.5 | | 12.5 | 32.7 - NH Elec Pole | 37.5 on Elec Pole

1+00 — 31 Rt of ℄ = NH Power Pole # B217

9.52 | 5.2 | 5.45 | 4.9 | 4.6 | 4.6 | 4.49 | 4.45
5.08 | 9.4 | 9.15 | 9.7 | 9.8 | 10.0 | 10.11 | 10.15
27.2 - Top Sh. Platform | 27.6 Bay Platform | 14.5 - Tops Rail | 12.5 | | 12.5 | 32.6 - NH Elec Pole | 37.5 on Elec Pole

0+93

5.26
9.34
21.1 - 9.3 x 1.3 x 1.3 Fuel Oil Vent Pipe at Top

0+75 - East Line Union St. to North

5.1 | 5.1 | 5.42 | 5.0 | 4.8 | 4.6 | 4.3
9.4 | 9.5 | 9.18 | 9.6 | 9.8 | 10.0 | 10.3
37.5 | 27.6 - Bay Platform | 14.5 - Tops Rail | 12.5 | | 12.5 | 37.5

1460

1460

Island Hic.

TP	9.52	15.73	8.89	6.21
3+49	= East Curb Line Front to North			
3+18.08	= ℄ Front St.			
2+89	= W Cb Line Front			
2+73	= W L Front (Also W ly Conc. x FC. Top Paving)			
2+50				

308 Rt of ℄ = N ly Power Pole P201

14.60

Lt = N ℄ Rt = S

6.92 6.32 6.28 6.03 5.77 5.39

7.18 8.28 8.32 8.57 8.83 9.21
37.5 18.6 = Top 50 Rail 12.5 12.5 37.5

6.82 6.19 6.19 6.01 5.98 5.69

7.78 8.41 8.41 8.55 8.62 8.91
37.5 18.4 = Top Gutter Rail 12.5 12.5 37.5

6.98 6.34 6.25 6.01 5.96 5.82 5.64 5.17

7.62 8.26 8.35 8.59 8.64 8.78 8.96 9.48
37.5 = Top Cb 37.5 = Gutter 27.6 14.6 = Top Rail 12.5 12.5 37.5

7.11 6.80 6.35 6.01 5.91 5.85 5.72 5.30

7.49 7.80 8.25 8.60 8.69 8.75 8.88 9.30
37.5 27.5 = Cb Top 27.5 = Gutter 14.6 = Top Rail 12.5 12.5 Bottom 37.5 Bottom

9.48 6.01 5.91 5.6 5.4 5.3 5.38 5.29

5.12 8.6 8.69 9.0 9.2 9.3 9.28 9.21
27.1 = Top 27.6 = Bot Platform 14.6 = Top Rail 12.5 12.5 = N ly F.C. Rail 37.5 = S ly F.C. Rail

14.60

Cross Section Front St
Island Ave to 200' North
Sketch Page 1

BM			5.52	11.97	SW. BP Market St. & 1st Ave 11.93
TP	4.85	17.19	3.09	12.64	
2+10					
1+50					
1+00					
0+50					
0+33 = S/L Walk & Curb on Rt					
0+00 = N/L Island					

15.73 81 Ford

Lt.=W ℄ Rt.=E 7

10.56	10.11	10.65	10.96	10.77	10.34	10.67
5.17 29'	5.62 29'=Gutter	5.08 15'	4.97	4.94 15'	5.52 29.8=Gutter	5.06 29.8=Cb
9.57	9.04	9.68	9.85	9.79	9.40	9.74
6.16 29.2=Cb	6.69 29.2=Gutter	6.05 15'	5.88	5.94 15'	6.33 30.2=Gutter	5.99 30.2=Cb
8.89	8.31	8.77	8.89	8.92	8.58	9.02
6.84 29.2'	7.42 29.2'=Gutter	6.96 15'	6.84	6.81 15'	7.15 30.5'=Gutter	6.71 30.5'=Cb
7.86	7.30	7.68	7.92	8.01	7.81	8.16
7.89 29.2'=Cb	8.43 29.2'=Gutter	8.05 15'	7.81	7.72 15'	7.92 31'=Gutter	7.57 31'=Cb
7.52	6.94	7.55	7.57	7.64	7.50	7.92
8.21 29.2'=Cb	8.79 29.2'=Gutter	8.38 15'	8.16	8.09 15'	8.23 31'=Gutter	7.81 31'=Cb

15.73 ✓

Cross Section Union St. Cont From Page 3

April 13-18

TP	4.41	10.02	1207	5.61	
3+15	= South Curb Line Marked				
2+991	= S.L. Market St. = S/y H.C. Paving				
2+76	27.5 Rt of ℄ = W/y Power Pole		4599		
2+62	= S/y Curb & Walk				
2+45					
2+35					
2+29	= N End Spur on ℄				
BM	6.75	17.68		10.93	SMBP Marked + Union

Lt: M ℄ Rt: E

10.94	10.45	10.68	11.17	11.36	11.40	11.50	11.49	10.55
6.74	7.23	7.00	6.51	6.32	6.20	6.18	6.19	7.13
37.2 ±Ch	37.2 ±Gutter		255 12.5		12.5	25.5	38.1 ±Curb	38.1
11.09	10.87	10.26	10.90	11.19	11.36	11.48	11.47	11.54	11.5
6.59	6.81	7.10	6.78	6.49	6.32	6.20	7.16	6.14	6.23
37.5 ±Walk	25.5 ±Ch	25.5 ±Gutter	12.5		12.5	24 ±Curb	25.2	25.2	38.4 ±W/y Bldg
							E/L & E/L Outlet		
10.60	10.35	9.8	9.0	9.9	10.0	9.5	10.8	11.0	
7.08	7.33	7.9	7.9	7.8	7.7	7.9	6.9	6.7	
37.8 ±Walk	25.9 ±Ch Top	25.9	12.5		12.5	23	29	35.3 ±W/y Bldg	
						10.89	12.66		
						7.19	5.02		
						36.9 ±Curb	40.2 ±Top of Steps		
						Top Concrete Step			
11.13	9.5	9.4	9.4	9.3	9.4	9.7	10.1	12.61	
6.55	8.2	8.3	8.3	8.4	8.3	8.0	26	5.07	
37.5 ±Footings	37.5	23	12.5		12.5		38.5	36.5 ±Platform	
±Concr. Floor									
8.6	7.6	7.71	9.3	9.3	9.2	9.2	9.1	12.59	
9.07	10.1	9.97	8.4	8.4	8.5	8.5	8.0	5.09	
36.2 ±Curb Top	36.7	27 ±Top Rail	22	12.5		12.5	36.4 ±Ground	36.4 ±W/y Top Landing Platform	
Open Drain									
				17.68					

Cross Section Union St Island Ave.
South to Santafe Main Line

Top Platform
1+10.00
Island Ave
Page 5

0.55 9.47

1+22.5 = NEly Rail of Santafe Main Line

1+0

0+50

0+18.58

0+0 : S.L. Island Ave.

0-05 = 8'x8' Clean out on Rt

10.02 Bl. Ford

Notes Reduced
4-19-48 - Murray.

Lt. E ℄ Rt. W

2.76

7.76 - Top NEly Rail Santafe Main Line

4.25 4.18 2.10 1.88 1.91 2.27 1.77 4.19

5.77 12.5 - Top NEly Santafe Main Line
5.84 11.5 - Top SWly Santafe
8.0 37.5
8.2 12.5
8.1
7.75 7.9 - Top NE Rail Santafe
8.3 12.5
7.73 34.5 - Top NE Rail Main Line

4.52 4.58 3.9 3.5 3.1 2.7 2.7 2.74 2.15

5.50 6.32 - Top NE Rail Santafe
5.44 38.8 - Top SWly Santafe
6.1 25
6.5 12.5
6.9
7.2 12.5
7.3 37.5
7.84 90 - Top NE Rail Santafe Eastbound
7.87 110 - Top NE Rail Santafe Westbound

4.2 4.60 4.70 4.3 4.32 4.1 5.60 3.3

5.8 37.5
5.42 33.3 - NEly Top Rail
5.32 24.3 - SWly Top Rail
5.7 12.5
5.20 5.0 - NEly Top Santafe
5.9 12.5
6.4 25
6.7 37.5

4.3 4.2 4.75 4.3 4.79 4.5 4.6 4.99 4.6

5.7 37.5
5.8 28
5.27 20.3 - NEly Top Rail
5.7 12.5
5.23 6.7 - SWly Top Rail
5.5
5.4 12.5
5.05 28.3 - NEly Top Santafe Main Line
5.4 37.5

4.64 3.65

6.38 27.3 - Top
13.47 27.3 - Top 8'x8' Clean out

10.02

M.V. Sewer

X. Sec. 368+20 to M.H. # 70

5/7/48

W.O. 60/62

Sammarmajor
McCoy
W Moore
Sherman

			Toe	℄	Toe	
370+00			7.1/15	6.7/7	3.9	6.8/7	6.9/11
369+50			7.5/15	7.5/8	3.6	6.6/7	6.9/11
369+00			7.6/15	7.4/7	4.9	7.8/7	7.9/15
+65			7.9/15	7.7/8	4.9	8.0/8	8.1/15
368+20			7.0/20	6.4/8	4.3	6.1/5	6.5/8

Const. Plans.

Stationing Same as on Sewer

B.M. in Headwall	4.72	78.00	—	73.28

sheet 1071 D

M.V. Sewer

1+60				
1+20				
T.P.	8.19	84.33	1.86	76.14
0+95				
M.H. 68 =0+00		7800		
370+57	Back line produced			
= 370+50	M.H. # 68			
		78.00		

11.3/20 11.4/8 9.1/4 9.0 9.1/4 12.0/9 12.2/20

11.2/20 11.0/10 8.6/4 8.2 Grd + M.H. Rim 8.2/4 12.5/10 12.5/20

84.33

3.6/15 3.3 5.0/11 6.7/25

6.4/15 6.3 6.0 6.0/15

6.4/15 6.4/8 3.6 Grd 5.5/6 . 15/58 .

M.V. Sewer

4+50	6.5/15	6.4/7	4.6/4	4.1	4.3/3	6.3/9	6.4/15
4+00	7.2/15	7.3/7	5.3/4	5.1	5.1/4	7.3/8	7.3/15
3+50	8.1/15	8.1/7	6.2/4	5.9	5.9/4	8.3/9	8.5/15
3+00	9.0/15	8.7/7	7.0/4	6.8	6.9/3	9.3/7	9.4/20
2+50	10.0/20	10.0/7	8.1/4	8.0	8.2/3	10.3/8	10.4/20
2+00	9.9/20	10.2/7	8.8/4	8.8	9.0/4	11.2/8	11.6/20

84.33

84.33

M.V. Sewer

℄

orig B.M.			11.05	73.28	73.28					
6+38	M.H #70					0.0	0.6/9	7.4/23	7.6/30	
6+00					0.6/18 Pav.	1.3/5	1.5	1.7/7	7.1/20	7.3/30
5+50					1.9/15	3.0/5	3.0	3.0/5	7.2/15	7.6/20
5+00					3.4/15	4.8/4	4.2/3	4.3	4.4/4	6.3/10	6.4/15
		8A33								

X-Sect. 20' Alley in Block 56 - City Hts.

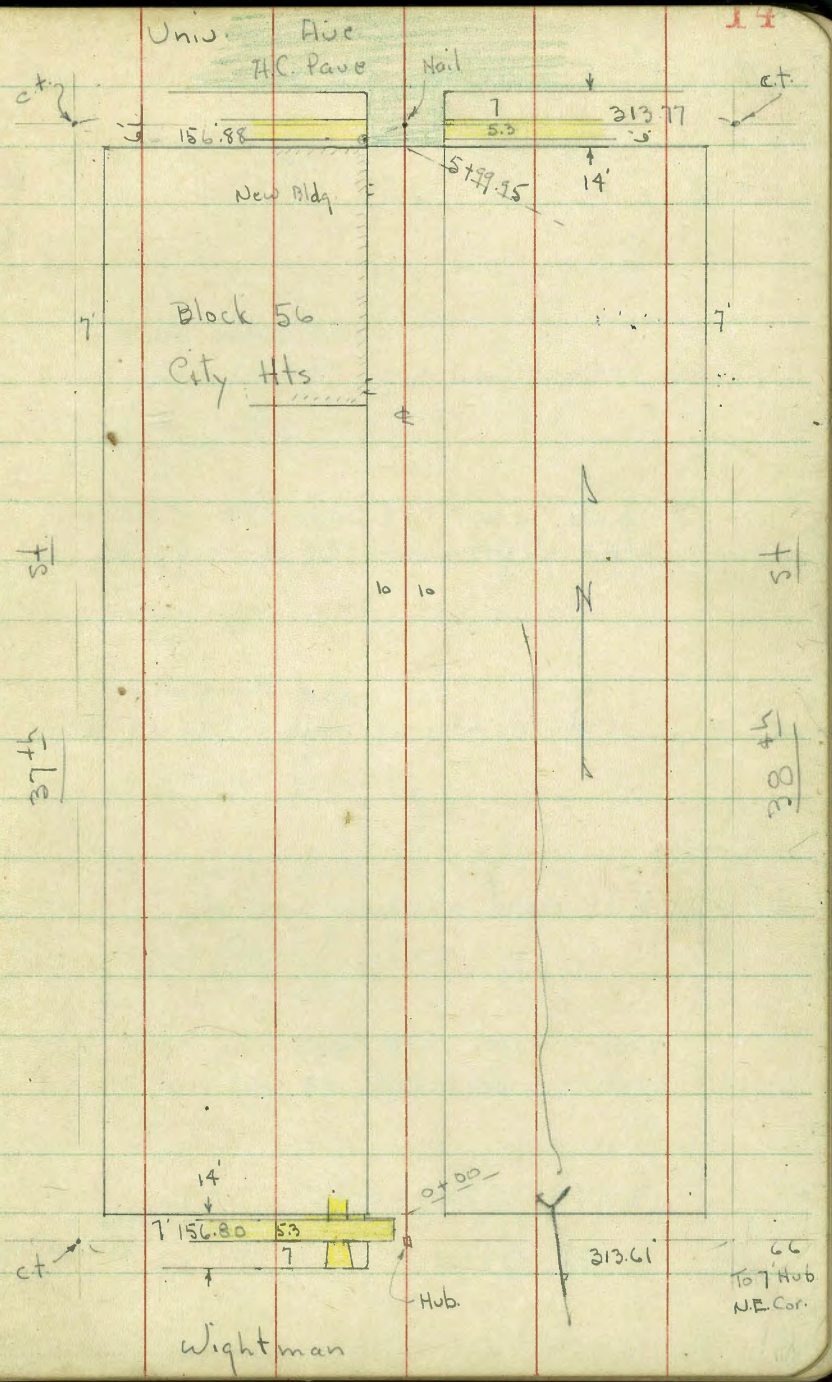
#2336

W.O. 25001

5-12-48

Osborne
Hardin
Worrell
Rorer

INDEXED
MAY 17 1948



X-Sect. 20' Alley in Blk. 86

Lt. = W ℄ Rt. = E

0 + 15'

329.87	329.8	329.6	330.0	326.3
4.05	4.1	4.3	3.9	7.6
10.1	10		10	20
walk				

0+13 - 9.8 Lt - end wall + 10.1 Lt - Beg. 2.5' Conc. walk along House

329.91	329.81	329.7
3.96	4.06	4.2
12.6	10.1	9.8 - Dirt
walk along House	edge walk	

0+00 = N.L. Wightman - 9.7 Lt. - Beg. 6" Conc. wall 1.5 High

329.79	331.11	329.6	329.1	329.2	328.5
4.08	2.76	4.3	4.8	4.7	5.4
10.5	9.9	9.9		10	20
edge at Solid walk	Top wall	Ground			

0 - 01.7 = end - N. edge of Walk - with 0.7 strip staping down

329.69	328.86
4.18	4.91
10	3
walk	Cor. Walk

328.72 ✓

0 - 07 - 3' Lt. = end of Walk

329.67	328.88	328.61
4.20	4.99	5.61
10	3	on Hub
end of Ret at walk	Cor. Walk	

0 - 14 = N. cb. - cb. + walk on W. only

332.15	331.6	329.62	329.2	328.3	327.8	328.9
1.72	2.3	4.25	4.5	5.6	6.1	9.0
50	50	10	10		10	50
Top	gut	Top 2 Rad.	gut			

333.87 ✓

3.91	333.87	9.45	329.96	NW. B.P. 21st & Wightman
0.59	339.41		338.82	

	Lt.	℄	Rt.
1+30			
1+24.5 - 9.1 Lt. = Ely. P. pole * P.H. 3815			
1+24 - 9.6 Lt. = ℄ 1.6 Conc. walk			
1+21.5 = end Bldg. + Conc. footing			
1+00			
0+75			
T.P 8.33 338.20 4.00 329.87 ✓			
0+54 - 10.6 Lt. = Beg. Basement footing to Court - Conc. wall along S. edge - 3.5 High			
0+50 - 10.4 Lt. = Sly. of 2' Conc walk - with 18" Rock			
0+38 - 10 Lt. = end walk			

Lt.	℄	Rt.
333.20	332.6	331.9 331.6 331.6 328.2
5.0	5.6	6.3 6.6 6.6 10.0
15	10	7 10 20
	332.57	332.52
	5.63	5.68
	12.6 at step.	9.6 = walk
330.66	330.66	331.9
7.54	7.54	6.3
10.6 ← footing → at Bldg.	9.8 edge	9.8 = ground
330.88	330.88	331.1 330.8 331.0 329.1
7.72	7.72	7.1 7.4 7.2 9.1
10.6 at Bldg.	9.8 edge Conc	7 10 20
	330.18	330.18 329.9 329.8 329.0 326.7
	8.06	8.06 8.3 8.4 9.2 11.5
	10.6 at Bldg.	9.9 edge Conc. 8 10 20
		338.20 ✓
329.88	329.88	
3.99	3.99	
10.6 at Bldg.	9.9 = Cor. footing	
330.95	330.63	330.1 329.8 328.2 322.8
2.92	3.24	3.8 4.1 5.7 11.5
13.9 at step.	10.4 walk	10 10 20
330.02	329.99	
3.85	3.88	
12.5 walk	10 Cor. walk	333.87

3+21 = ℄ Sing. Gar - on Lt. - Conc floor + apron

3+00

2+83 - 15' Lt. = ℄ Conc apron to Sing. Gar. - Conc floor

2+55.5 - 9.3 Rt. = end Conc apron

2+50

2+47 - 10.1 Rt. = N.W. Cor. Gar. opens to N. = Conc. apron

2+29 - 10.3 Rt. = S.W. Cor. Sing. Gar. - board floor.

T.P. 8.34 343.77 ✓ 2.77 335.43

2+25.5 - 9.3 Lt. = Ely. P pole # PH. 3835

2+00

1+60

	Lt	℄	Rt
	339.83 / 339.88		
	3.94 / 4.29		
	18.3 / 16.5		
	floor / apron		
	338.9	338.7	337.8	337.7	337.0	335.8
	4.9	5.1	6.0	6.1	6.8	8.4
	15	10		7	10	20
	338.63	338.25				
	5.14	5.52				
	17.2	18				
	floor					
					335.22	338.85
					8.56	9.32
					9.3 = Cor.	19.7 = Cor.
	337.2	336.8	336.2	336.0	335.7	335.9	335.28	338.98
	6.4	7.0	7.6	7.8	8.1	7.9	8.49	8.79
	15	10	4		5	7	9.3	18.8
							edge apron	
	335.19	335.7						
	8.58	8.1						
	10.1	10.1						
	Conc & floor	ground						
								338.6
								9.2
								10.3
								ground at Cor.
		343.77 ✓						
	335.6	335.3	334.7	334.2	333.8	333.5	331.6	
	2.6	2.9	3.5	4.0	4.4	4.7	6.6	
	15	10	7		10	15	20	
	339.5	339.1	333.2	332.8	332.6	329.7		
	3.7	4.1	5.0	5.4	5.6	8.5		
	15	10	6		10	20		
		338.20						

	Lt		℄		Rt.	
4+50	339.1 4.7 12.5 along House	339.2 4.6 10	338.9 4.9	338.6 5.2 10	337.3 6.5 15	
4+39.5 - 12.5 Lt. = Beg. House - Conc. found.	340.27 3.50 = floor 12.5	339.9 3.9 12.5 = ground				
4+31.5 = end - Gar. + apron on Lt.	340.09 3.68 11.8 floor	339.85 3.82 9.8 = apron			338.1 5.7 14.4 ground	338.56 5.21 14.4 floor
4+07.5 - 14.4 Rt. = ℄ Shed. - Conc. floor						
4+00	339.95 3.82 12 floor	339.78 4.03 10 = edge apron	339.1 4.7	338.7 5.1 10	337.3 6.5 20	
3+96 - Beg. 4 Car. Gar on Lt. - Conc. floor + apron	339.95 3.82 12 floor	339.78 4.03 10 = apron				
3+90 - 12.4 Rt. = ℄ Sing Gar. - Dirt floor. Conc. step + walk					338.7 5.1 12.4	
3+90 - 9.8 Lt. = N.E. Cor. Gar. + Apt. + 8.8 Lt. = Sly 4.5	340.71 3.06 1.5 walk	340.30 3.47 9.8 Top step = walk	339.53 4.24 9.8 floor Gar.	339.96 3.81 8.8 = step		338.1 5.7 12.5 floor
3+65 - 12.5 Rt. = ℄ Sing. Gar. - Dirt floor						
3+50		339.50 4.27 9.8 floor Gar.	339.1 4.7	338.6 5.2 10	337.2 6.4 20	
3+29.8 = ℄ Sewer M.H 4.98 338.79 on Rim	339.79 4.28 9.8 floor	339.2 4.4 9.8				
3+25 - 9.8 Lt. = S.E. Cor. 6 Gar. under Apt. House						
3+25 - 8.4 Lt. = Ely. P. pole # P.A. 3855						

343.77 ✓

	Lt.		#		Rt.
5+75	326.7 5.8 10 along Bldg.		326.6 5.9	326.9 5.6 10	327.5 5.0 15
5+50	329.1 8.4 10 along Bldg		328.3 8.2	328.3 8.2 6	326.2 6.3 10	326.5 6.0 15
5+25	322.2 10.1 10 along Bldg.		322.1 10.4	322.6 9.9 7	325.0 7.5 10	325.6 6.9 15
5+05	321.0 11.5 10 along Bldg.		320.2 12.3	320.7 11.8 10	320.9 11.6 20	
5+01.5 - 8.2 Lt. = Ely. Guy. Pole # 4980.57-H						
T.P. 11.93 352.51 ✓ 3.19 340.58			352.51 ✓			
4+85 = ± 7' opening in Conc. found. for Exit	339.95 4.32 10.7 Top Conc. in opening	339.2 4.4 10	339.2 4.4	339.1 4.7 10	338.8 5.0 20	
4+80 - 10' Lt. = S.E. Cor. Conc. found. to Const. Theatre - under	339.5 4.3 10 ground at Cor.					
4+75 - 12.6 Lt. = end. House	339.5 4.3 12.6 ground					
4+74.5 - 8.5 Lt. = Ely. P. pole # P.A. 3875						338.75 5.02 10.2 floor
4+68 - 10.2 Rt. = ± Sing. Gar. - Conc. floor			343.77 ✓			

100

348.1 = 5.11
33 9.62 =

Top Door
98.62
2.79
91.83
.01
91.82 = 5.11
8.43

Check BM. NW BP Univ. & 37th 0.43 352.08 - 352.09 ✓

1

5+13.99 = S. cb. Univ

In Poor Cond. - 10' Lt. = N.E. Cor. Bldg.

5+99.95 = S.L. Univ. = edge of Pk. Pave - Returns

5+79.9 = ℄ Sewer M.H. 5.19 347.32 on Rim

5+86.5 - 10' Lt. = ℄ 3' Doorway

4 ℄ Rt

348.69	348.81	347.86	347.69	347.69		347.42	347.73	346.63	346.95
3.82	4.10	4.65	4.82	4.82		5.09	4.78	5.88	5.56
50	50	10	10			10	10	50	50
Top	gut.	Top 2' Rad.	gut.			gut.	Top 2' Rad.	gut.	Top

388.13	347.86	347.98	
4.38	4.68	4.53	
9.7		10.2 = Top cb. + Pave	
Top cb. + Pave			

347.58
4.93
10.7
Top Conc. in Door.

352.51 ✓

Add outs from ℄ of Alley to show Topo. of Present waterway, Between Alley & 38th - See sketch P-H

1+60

1+40

1+00 - Rt. = end wall

0+50 - 68.5' Rt. = Beg. Rock Wall

Location See D. 1266 - P 72

0+24.7 - 86' Rt. = ℄ of inlet of 24" Conc. pipe - for

0+00 = N.L. Wightman

1.19 329.45 ✓ 4' Hub ℄ 328.26 P. 15

℄ Alley - Rt. : E. 21

326.0	318.0	316.0	315.8	317.8
3.4	11.4	13.4	13.6	12.1
40	58	67 ℄ wash	80	100

323.0	315.✓		320.6
6.5	14.3		8.9
50	67 ℄ wash		80

315.✓	314.9	314.✓	317.23
14.3	15.1	15.3	12.22
50	60 ℄ wash	70.2	70.2 Top wall

311.8	312.0	313.✓	316.29
17.6	17.4	16.2	13.16
50	60 in wash	64.5	68.5 Top wall

311.8	311.6	307.71	311.0
18.0	17.9	21.74	18.4
50	80	86. F.L. Pipe	90

329.45 ✓

2+90

T.P. 5.60 333.54 3.31 327.94'

2+60

2+40 - 67' Rt = ℄ 4' Dia. steel fish pond

Note: from 1+90 to 2+80 = Heavy Planting - fruit Trees - etc.

2+23.5 = Cross Picket fence - on Conc. base

2+10 - 66' Rt. = end Conc. slab

1+94 - 63' Rt = Beg. Conc. Slab - patio

T.P. 10.06 331.25 8.26 321.19

1+94 - 63.5 Rt = ℄ 14" Pepper

1+90 = Cross Picket fence

℄ Rt

328.9	326.3	320.1	320.6	327.1
4.6	7.2	13.4	12.9	6.4
50	60	85 ℄ Wash	92	105

333.54

327.9	319.6	319.9	320.0	321.6
3.8	11.7	11.8	11.3	9.7
50	70 Toe Terrace	76' ℄	86 Toe	90

318.8	318.9	319.80	320.2	320.20
12.9	12.9	11.45'	11.1	11.05
50 ground	65 ground	65 Top Conc.	77 =	77 Top-end wall

318.19
13.11
66
Top

318.95
12.30
82.5 = along wall

317.90
13.35'
63 = Top Conc.

317.83
13.42
82.5 = Conc. along wall

331.25

317.8	317.0	317.8	321.83
11.7	12.5	11.7	8.02
50	63 = ℄	82.5	82.5 Top Rock Wall Beg.

329.45

check T.P. - P.19		3.52	340.59	340.58
T.P.	7.13	344.11	0.51	336.98

Ground Rises from Here to Univ.

4+75 = Cross fence

4+61 - Sly. 2' Conc. Walk

4+58 - 42' Rt. = ℄ 18" Pepper

Looks Like the Place to Turn up to Alley.
Conc slab along S. side

4+50 = Cross fence on Rock & Conc. wall - 6"

T.P.	10.36	337.49	6.41	327.13

4+24 - 72' Rt. = ℄ 8" Pepper

4+20 = S. edge of 3' Wood foot bridge

4+08 - 82' Rt. = W.L. of 4' dia. Conc. fish pond.

4+00 - = Cross fence on Conc wall 12"

3+75 = S. edge of 3' Wood foot Bridge

3+35 -

Notes Reduced. S-25-08

℄ Rt.

331.5 — 6.0 — 30

325.6 — 7.9 — 40

329.0 — 8.5 — 50 — ℄ Wash

330.2 — 7.3 — 61 — along Conc. found. to Bldg.

329.57 — 7.92 — 57 = Low point

329.7 — 8.4 — 40

328.42 — 9.07 — 43 = Top wall

327.59 — 9.90 — 47 = edge slab

337.49

327.15 — 10.34 — 65

328.29 — 9.20 — 65 — Top wall

326.69 — 10.8 — 70

330.32 — 7.18 — 73 — end wall

330.2 — 3.3 — 61 — end Bridge Top

325.5 — 8.0 — 64

325.2 — 8.3 — 60 — ℄ wash

326.1 — 7.4 — 89

330.0 — 3.5 — 90 = Top end bridge

325.0 — 8.5 — 79 — ground

325.9 — 7.60 — 79 = Top wall

331.0 — 2.5 — 48 — end Bridge Top

323.6 — 9.9 — 66 — ℄ wash

329.1 — 4.4 — 85 = end Bridge = ground

328.3 — 5.2 — 55

322.3 — 11.2 — 60

333.54

321.8 — 11.7 — 70 — ℄ wash

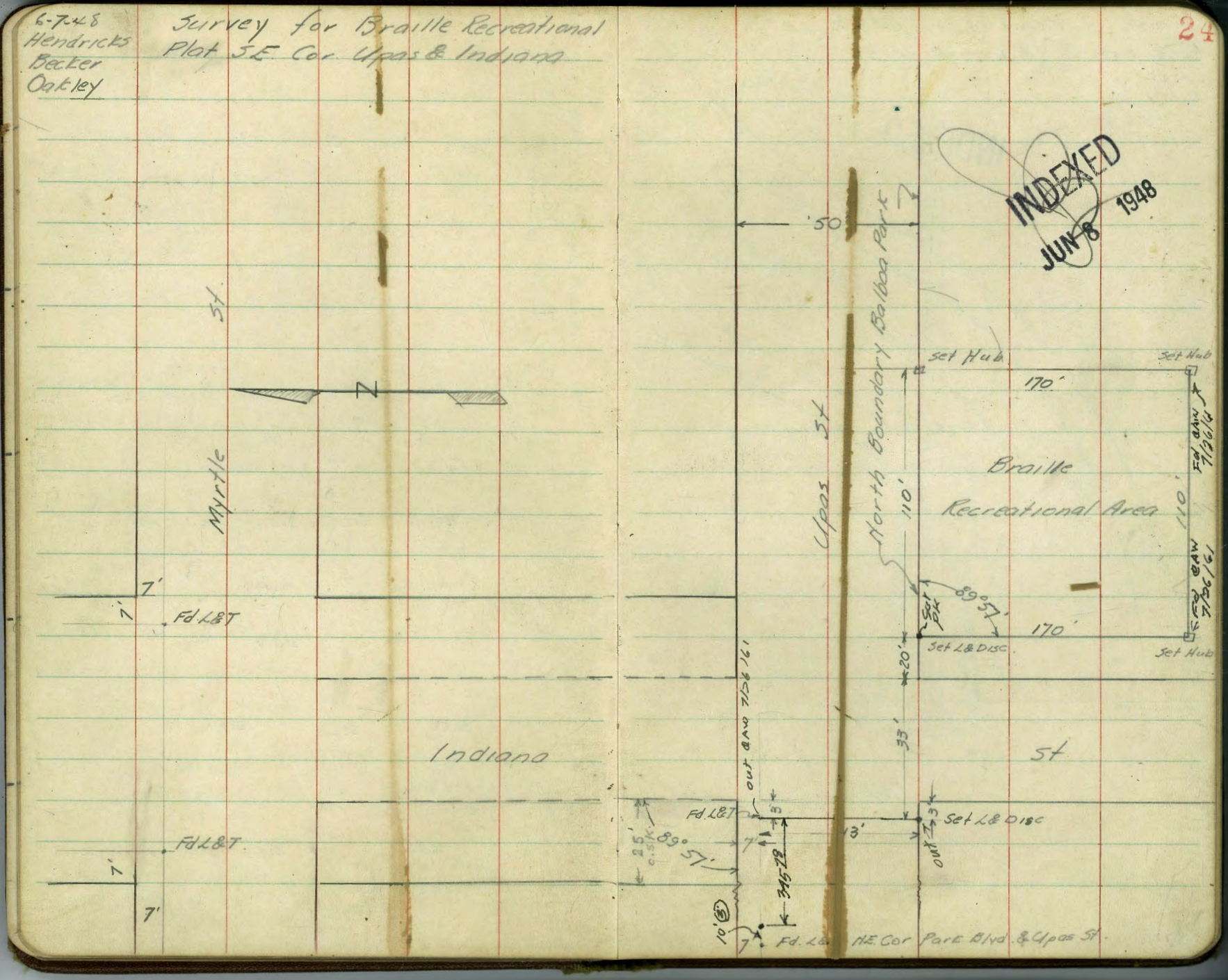
322.6 — 10.9 — 83

325.32 — 6.20 — 83 — Top Rock wall

6-7-48
Hendricks
Becker
Oakley

Survey for Braille Recreational
Plat SE Cor. Upas & Indiana

24



7-8-48 X Sect Alleys Block 44
Hendricks Normal Hts.
Roxer
Greer
WO 31496

INDEXED

Indexed
July 12, 1948
J.B.

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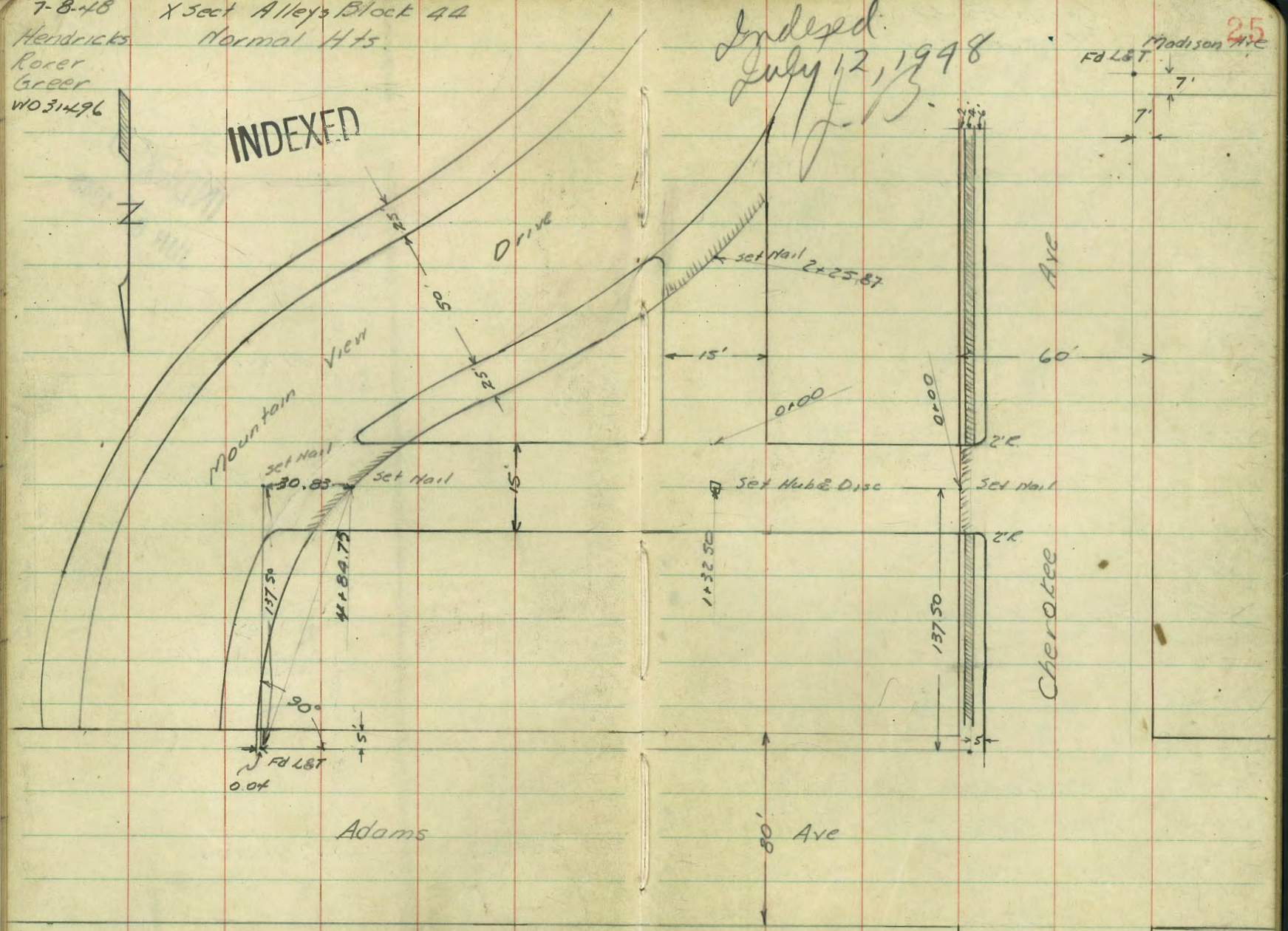


7-9-48
Hendricks
Roberts
Greer
Korer

Levels East & West Alley
Block 44 Normal Hts

0+25					
0+25	Beg Lath fence 6.9 Rt ℄				
0+00					
0-06					
0-12	East C6 Line Cherokee				
0-30	℄ Cherokee				
T.P.	1.24	389.34	5.33	388.10	
T.P.	329	393.43	5.80	390.14	
B.M.	316	395.94			392.78

389.34
TT

S.E.B.F. Adams & Mansfield

1+25 Beg Double Garage 18.3 Lt ℄

1+08 End Lath Fence 7.5 Lt ℄

1+24 Power Pole ℄ PA 3675 - 7.2 Rt ℄ (Backedge)

1+00

0+99 End Double Garage 17.7 Lt.

T.P. 2.95 384.16 8.13 381.27

0+78 Beg Double Garage 17.7 Lt. ℄

0+50

0+50 Power Pole ℄ P.A. 3651 7.2 Rt (Backedge

38934

381.26
2.90
18.3
FL.

381.5 381.0 381.1 380.7 380.6 381.0 381.1 381.6
2.7 3.2 3.1 3.5 3.6 3.2 3.1 3.6
17 12 7.5 3 4 7.5 10

382.4 381.5 381.0 381.1 381.2 381.3 381.7
1.8 2.7 3.2 3.1 3.0 2.9 3.5
18 7.5 4 382.73 4 7.5 10
1.43
17.7
FL

382.77 384.16
382.3 381.8 381.7 382.0 382.0 381.9
6.2 7.0 7.5 7.6 7.3 7.3 7.4
17.7 7.5 4 3 7.5 12
FL

383.8 383.6 383.4 383.7 382.8 382.4 382.9 382.9 383.1
5.5 5.7 5.9 6.6 6.5 6.9 6.4 6.4 6.3
12 7.5 5 3 2 4 7.5 13

38934

379.7	379.7	379.0	379.0	378.7	379.0	379.0	379.0	379.2	379.3	
4.5	4.5	5.2	5.2	5.5	5.3	5.2	5.2	4.9	4.8	
10	7.5	3		3	6	7.5	9.3	7.3	17.3	Ramp

380.28	380.01			
3.8	4.5			
9.2	7.3			Ramp

380.38	380.10			
3.8	4.0			
9.2	7.3			Ramp

379.34				
4.8				
9.1				

381.2	380.0	379.9	379.9	
3.0	4.2	4.3	4.8	
16	5	16.0	7.5	Hub

3795

1+65	
1+60	End Conc. Ramp 7.3 Lt.
1+51	End Fence Beg Conc Ramp to House 7.3 Lt.
1+44	Beg Board & Wire Fence 7.1 Lt.
1+40	Beg Conc. Ramp to House 9.1 Rt
1+32.5	℄ T Alley

3841.6

3841.6

3+44	℄ Single Garage on Lt.			
T.P.	3.61	380.28	7+49	376.67
2+00				
2+98	℄ Single Garage 17± Rt. Dirt Fl			
2+50				
2+42	Power Pole # PA 3695 74 Rt. ℄			
2+00				
1+89.6	End Conc. Ramp Bordered by 6" Conc Wall			

384.16

376.69 376.27
3± 4±
17± 14±
Fl. Ramp

380.28
376.0 377.2 376.7 376.8 376.6 376.3
6± 7± 7± 7± 7± 7±
18 7± 4 7± 7±
376.3

378.2 377.8 377.5 377.2 377.3 377.2 377.1 376.9
6± 6± 6± 7± 6± 7± 7± 7±
15 7± 5 4 4 7± 12
17± Fl.

379.2 378.5 378.0 379 377.8 378.1 378.0 377.6
5± 5± 6± 6± 6± 6± 6± 6±
18 7± 4 4 6 7± 12

378.2 379.19 378.67 379.20 379.13
6± 4± 5± 4± 5±
7? 7? 9± 9± 17?
Gr. Wall Ramp Wall Ramp & Wall

384.16

4+50	
4+49	End Board Fence 7.6 Rt &
4+42	℄ Single Garage 13.8 Lt
4+28	Beg Conc. Patio 8.1 Rt
4+00	
3+81	Anchor to Pole 6.2 Rt
3+78	Angle in Board Fence 7' Rt
3+73	Beg Board Fence 10.6 Rt
3+64 to 3+82	Corner Garage on Skew 6.1 Rt Dirt Fl
3+61	Power Pole No# 6.7 Rt &
3+50	

380.28

375.6 375.6 375.9 375.5 375.2 375.06

4.7 4.2 4.2 4.8 5.1 5.22

15 7.5 4 7.5 8.3

Patio

375.86

4.42

13.8

Fl

375.52

4.76

376.0 376.0 376.0 8.1

Patio 376.3

4.3 4.3 4.3 4.0

15 7.5 7.3

Fence

3+82

3+78

3+73

3+64

3+58

15'

7'

10.6'

℄ Alley

6.4'

17'

Detail for Location Gar.

4.4

Fl

376.2 376.6 376.3 376.3 376.5 375.9

4.1 3.7 4.0 4.0 3.8 4.4

15 7.5 3 7.5 16

380.28

4+86.8 Beg. Conc. C6 7.2 Lt ℄

4+84.73 Lt. Line Mountain View

4+81.7 Beg. Conc. C6 7 Rt.

4+62

4+64 Power Pole # JPA 3795 6 Lt ℄

4+52 End Patio & Cor. Gar. on Skew 8.1 Rt.

380.28

379.06 373.76 373.38 373.93 373.73

6.2 6.5 6.9 6.8.5 6.5.5

7.2 7.2 7.4.5 7.4.5

C6 6 G C6

~~375.6~~ 373.6

6.8

375.3 374.9 374.1 373.7 373.8 373.6 373.9 373.43 373.79

5.0 5.4 5.9 6.6 6.5 6.7 6.4 6.8.5 6.4.9

12 7.5 6 4 2 7 7.4 7.4

G C6

375.3 375.2 375.1 374.9 375.1 375.3 375.1

5.0 5.1 5.2 5.4 5.2 5.0 5.2

10 7.5 6 4 7.5 12

375.06

5.2.3

8.1

Patio & Gar. Fl.

380.28

Sta	+	H.I	−	Elev	B.M
B.M.			3.86	392.75	392.75
T.P.	4.56	396.61 / ~~395.61~~	3.47	392.05 / ~~391.05~~	
T.P.	6.43	395.52 / ~~394.52~~	3.45	389.09 / ~~388.09~~	
T.P.	5.71	392.54 / ~~391.54~~	0.77	386.83 / ~~385.83~~	
T.P.	7.70	387.60 / ~~386.60~~	0.86	379.90 / ~~378.90~~	
T.P.	6.76	380.76	2.48	374.00	
B.M.			5.46	371.02	370.87
T.P.	3.48	376.48	7.03	373.00	
T.P.	6.82	380.03	7.07	373.21	

5+39 ± ℄ Mountain View Taken on Arc.

5+12.5 ± W. Cb. Line Mountain View
Section Taken on Arc.

380.28

SEBP Adams & Mansfield

373.95	373.62	373.15	372.58	372.07
6 33	6 66	7 13	7 70	8 21
45	25		25	50

373.98	373.58	373.56	373.20	373.16	373.08	372.91	372.78	373.42	372.19	372.17
6 30	6 70	6 72	7 08	7 12	7 20	7 37	7 50	6 86	8 09	7 41
30	30	10 2	10 2	8		8 9	11 0	11 0	40	40
Cb	G	Cb	G	P.I.		P.I.	G	Cb	G	Cb

380.28

Levels North & South Alley
Block 44 Normal Hts

0+50			
0+34	Anchor to Pole 7.2 Rt.		
0+77	End Conc Ramp Beg 4 Con. Ret Wall 7.3 Lt.		
0+06	& Single Garage 7.9 Rt. Dirt Fl.		
0+01.6	Beg Conc Ramp around House 7.3 Lt.		
0+00	So. Line E & W. Alley		
B.M	5.08	384.64	379.56

379.1 5.5 15 7.4 Wall Gr
379.09 5.55 7.4
378.8 5.8 7.4
378.9 5.1 7.5
379.2 5.4 7.5
379.8 4.8 15

379.08 5.56 17
379.06 5.58 7.3

379.8 4.8 7.7

379.34 5.20 7.3

379.2 5.X 7.5
379.3 5.3
379.2 5.2 5
379.94 4.7 7.5

384.64 ℄ Hub int of T Alley

1+35 ℄ Single Gar 15' Rt Dirt Fl.

1+07.3 End Conc. Ramp 7.9 Lt ℄

1+02 Power Pole # A4667 7.5 Rt ℄

1+00

0+95.7 End Stucco Bldg Beg Conc. Ramp 7.85 Lt.

0+73 End Conc. Wall Beg Stucco House 7 Lt

0+53 Power Pole # JPA4675 7.9 Rt.

384 Cy

380.1
4±5
15

379.18 379.18
5±6 5±6
17 7?

379.26 379.29 379.0 379.1 378.9 379.5 380.5
5±8 5±5 5±6 5±5 5±7 5±1 4±
17 7? 7± 3 7± 18
Ramp

379.31 379.35
5±3 5±9
17 7±

379.01
5±5
7±
Wall

2+25.87± Haline Mountain View.

2+21.3 Beg. Con Cb. End Conc. Ret Wall on Lt.

2+01 Power Pole # PA 46556.2 Rt.

2+00

1+50

1+37.5 Beg. 6" Conc. Ret Wall 7± Lt. ℄

3846.4

379.13
5±

379.25 379.06 379.89 379.0 379.1 379.1 380.8 381.2
5± 5± 4± 5± 5± 5± 3± 3±
8± 8± 7± 7± 2 7± 13
Cb. G Wall Gr.

379.78 379.4 379.1 379.6 380.6 381.4 381.6
4± 5± 4? 5± 4± 3± 3±
7± 7± 3 4 7± 15
Wall Gr.

379.80 379.3 379.1 380.3 380.5
4± 5± 4? 4± 4±
7± 7± 7± 15
Wall Gr.

379.75
4±
7±

389.64

CK Starting Hub 5.08 379.56 379.56

2+56.0± Cb. Line Mountain View

2+29.9 Beg. Conc. Cb. on Rt.

38464

℄ Hub 1st T Piles P. 28

377.65 377.08 379.01 378.34 378.57 378.90 379.19 379.19 380.00 379.10 380.11 380.38

6.99 7.56 5.63 6.30 6.07 5.74 5.45 5.45 4.64 4.84 4.23 4.53 3.48

50 50 122 122 96 8.4 10.5 10.5 86 26 45 43

Cb. G Cb. G. Pt. P1 G Cb. G Cb G Cb

379.16 378.94 379.05 379.33 379.82

5.48 5.70 5.59 5.29 4.82

7.8 7.8 6.94 6.94

Cb. G G Cb.

384.64

℄ Profile of Prop. Drain - South of Commercial - from 22nd to Harrison

No sketch - See 5283-L and B 1504 P. 19

BM	6.52	55.54		49.02	NE. 24th & Commercial B 1504-39
	0.07	44.83	10.78	44.76	

Levels on Prop. Drain Bet. 22nd & Irving

0+00 = end of Box Culvert (inlet) = Sta 17+27.77 - B 1504 - 19

0+01.64 = Rng 37° 47' Lt. - Sta 17+29.41

F.L. Box - 5 x 5			14.16	30.67
0+07.9 = ℄ & ℄ of 6" C.I. Sewer along ℄ of Alley - on Conc. Piers				
Top of Pipe			7.55	37.28
0+12.2 - 2.5' Rt. = Near Cor of Conc. Pier				
Ground at Bottom of pier			13.4	31.4
0+35 - ℄			9.6	35.2
7' Rt. = ℄ Ditch			12.8	32.0
0+70 - ℄			8.9	35.9
9' Rt. = ℄ Ditch			12.2	32.6
1+00 - ℄			8.5	36.3
8' Rt. = ℄ Ditch			11.6	33.2

44.83

1+50 - ℄	8.1	36.7
4' Rt. = ℄ Ditch	9.4	35.4
1+69.40 = Rng 6° 22' Lt.		
℄ = ℄ Ditch	9.2	35.6
1+71 - 2' Lt. = Beg. Conc wing wall & Conc. apron across		
Top of Conc. apron	11.34	33.49
Top of wall = 19+06.42 B. 1504	3.09	41.74
1+78.64 = outlet of Box Culvert 5' High & 4' wide		
F.L. of Box	10.73	34.10
Top of Head wall - ℄	2.04	42.79 = end.
T.P. 6.24 51.00	0.07	44.76

Beg. Levels along ℄ of Prop Drain Bet Irving & Harrison.

0+00 = 0.3 Back of face of Headwall = 20+35.19 - Bo 1505 - Note: Top has been taken off box shown on P 20 & Wing & Headwalls made Higher

Top Headwall	7.14	43.86
Flow line of box	15.64	35.36

0+08 = end of apron & Wing walls

51.00

0+08 - ℄ on apron	15.77	35.23
2.6 Lt = top Wing wall end	8.87	42.13
7.1' Rt = Top wing wall - Beg.	9.04	41.96
0+12 = ℄ of old 36" Conc. pipe		
0+11 - 2.3 Rt. = ℄ Beg. 18" Conc. pipe		
0+24 - 5.3 Rt. = ℄ Beg. 36" Conc. pipe		
0+30 + ℄	9.4	41.6
8' Rt. = ℄ Ditch	12.4	38.6
0+55 = ℄ 16" C.I. Pipe - Conc - Rough support		
Top of pipe	10.24	40.76
0+60 - ℄ Ditch	11.2	39.8
0+94 - = 2' Lt. = end - ℄ 36" pipe - Cor. Iron - Conc. Slab Support		
1+00 - 4' Rt. = end ℄ 36" " " " "		
℄ = ℄ Ditch	13.2	37.8
1+04 - 1' Rt. = end ℄ 18" Cor. Iron pipe		
1+50 - ℄ Ditch	11.4	39.6
1+71 = ℄ of 36" Cor. Iron pipe - Line produced		
from outlet N. - 36" pipe		
18' Lt. along Line = F.L. of	9.58	41.42
2+00 - ℄ Ditch	10.8	40.2

51.00

2+50 - ℄ Ditch	9.6	41.4
3+00 = ℄ Ditch	8.5	42.5
3+33.31 = ℄ outlet of Box Culvert = 23+68.48 - B1504		
F.L. of Box (4.2' High x 4' wide)	9.52	41.48
Top of Box	4.55	46.45

W.O.?

9-16-48

7.0.

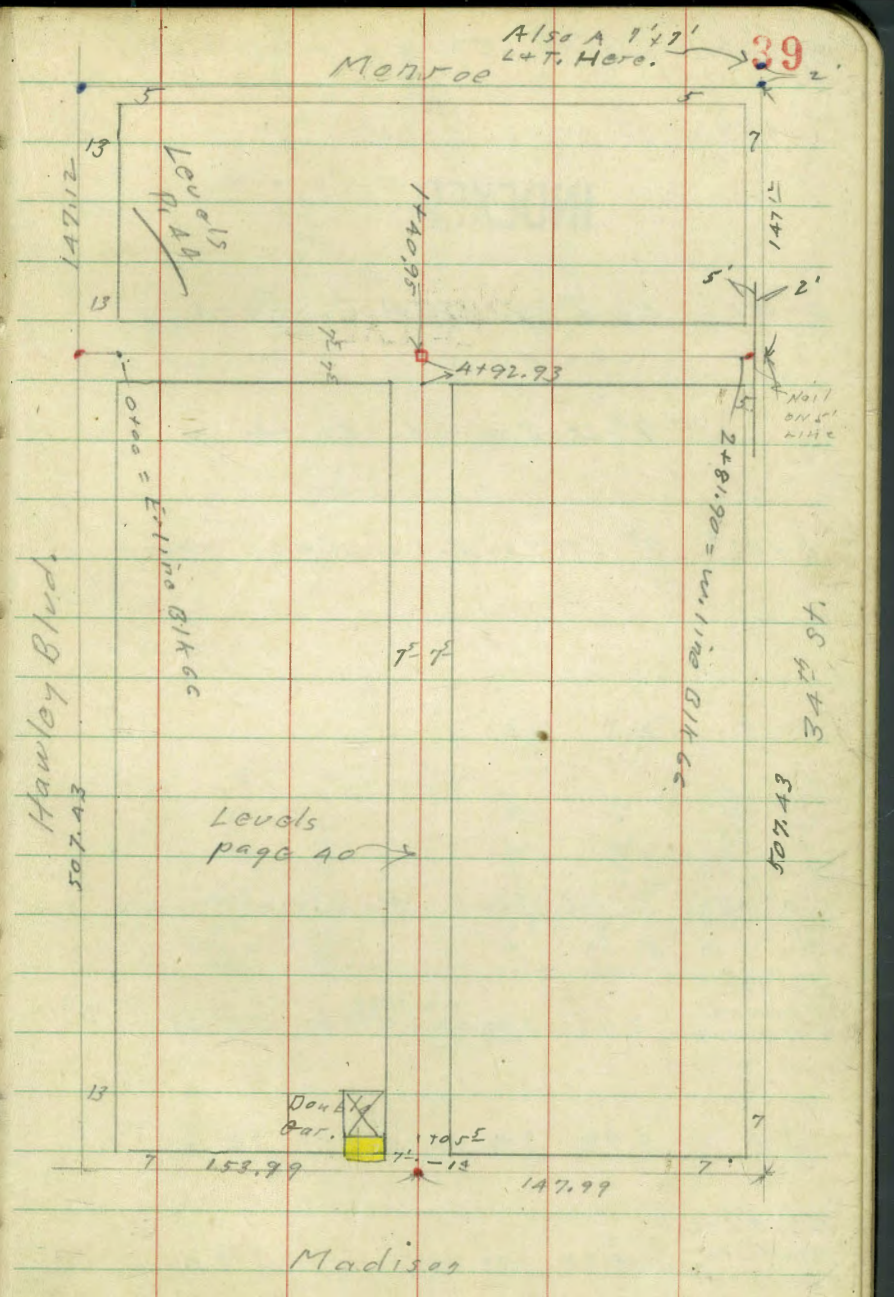
X-Sec. Alley Blk 66 Normal Hgts

10-15-48
W.O. 25001

Sommermeyer
Mc. Coy
Allen
Jones

INDEXED

● = Fd. Lgt.
● = set. Nail in Pave.
□ = " Hub.
All distances chained



N.+S. Alley Blk. 66 - Normal Hgts

0+00	7³ Rt. = End Cl.				
	INDEXED				
0-01	= End good A.C. Pave.				
	7³ Lt. = End Cl. on ~~Lt.~~				
	Runs N.+S.				
0-01⁴	7² Lt. = N.W. Cor. Conc. ramp.				
0-12	Cont.				
0-12	= S. cl. line Madison				
S.W. L+T. 13' Hawley 7' Madison	3.76	394.04	6.68	390.28	B.M. #1
T.P.	3.99	396.96	5.83	392.97	
N.E. 7' L+T. Madison + Wilson	4.98	398.80	—	393.82	

		389.5 / 4.5 / 7³ at ramp.	389.4 / 4.6	389.42 / 4.62 / 7³ cl. + Pav.		389.5 / 4.5 / 7⁵		
	7² on ramp	389.37 / 4.67 / 7² G	389.19 / 4.85	389.43 / 4.61 / 7³ cl. + Pav.				
	389.59 / 4.45 / 7²	389.62 / 4.42 / 7¹ Ramp						
				5.70 G. 100	5.35 100 cl.			
389.68 / 4.36 / 50 cl.	389.10 / 4.94 / 50	389.41 / 4.63 / 8⁵ Ctr. cl. Ret.	388.88 / 5.16 / 7⁵ G	388.79 / 5.25	388.71 / 5.33 / 7⁵ G	388.98 / 5.06 / 8⁵ Ctr. cl. Ret.	388.61 / 5.43 / 50 G	388.97 / 5.07 / 50 cl.
			394.04					

N. + S. Alley Blk. GG - Normal Hgts

INDEXED

3+75

3+66 20± Rt. = ℄ Gar. door
(slab runs to 0+99)
double Gar. - Conc. floor

3+53± 7± Rt. = start Conc. slab to

T.P.	4.06	395.95	2.15	391.89

0+50

0+20

0+05± also = N. W. cor. Gar. North Front
7± Lt. = S.W. cor. conc. ramp.

394.04

℄

391.2 / 1.8 / 25

391.5 / 4.5 / 75

4.7 391.3

391.6 / 4.1 / 75

391.55 / 4.14 / 75 slab

391.59 / 4.36 / 75 slab.

395.95

391.7 / 4.44 / 20± Gar. floor

391.4 / 2.6 / 50

391.4 / 2.6 / 75

391.5 2.5

391.3 / 2.7 / 75

390.9 / 3.1 / 50

391.3 / 2.7 / 75

391.00 3.0

391.0 / 3.0 / 75

391.4 / 2.6 / 17 ± doors

391.37 / 2.67 / 75 Ramp

394.04

N. & S. Alley Blk 66. - Normal Hgts

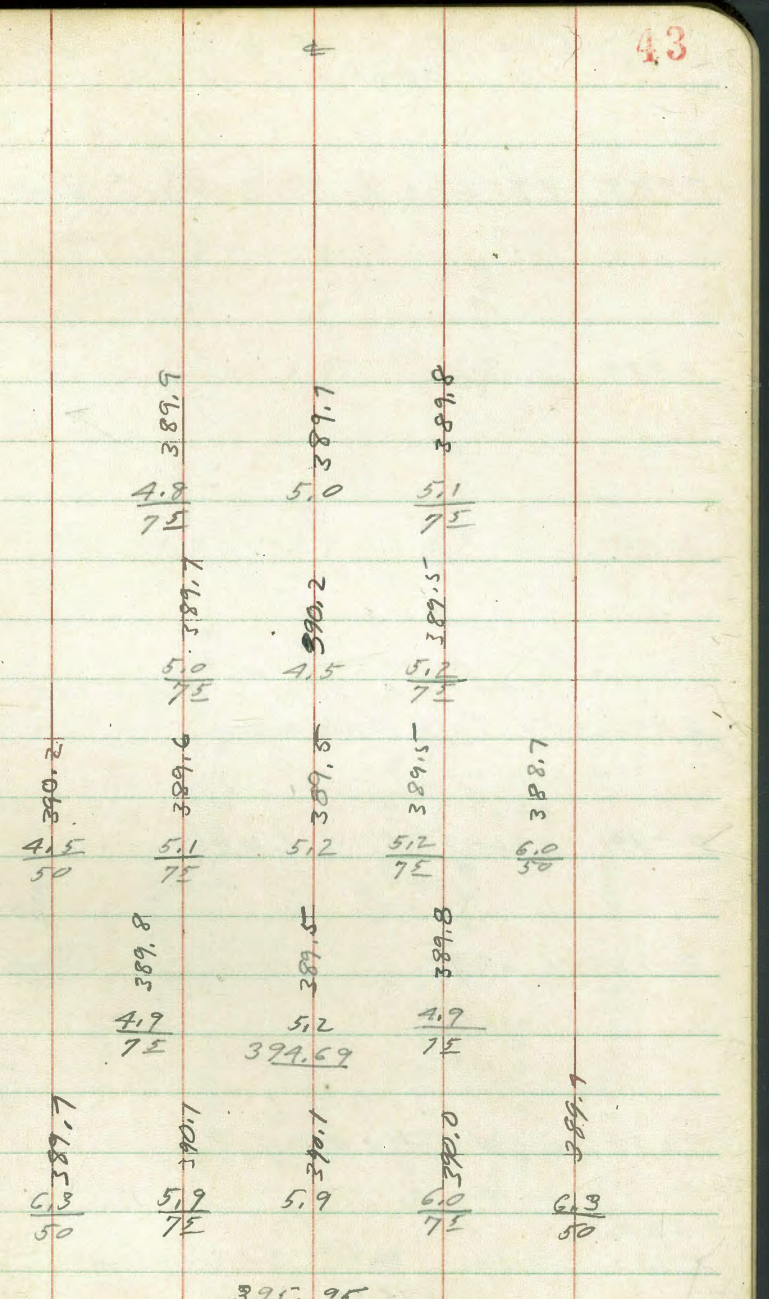
2+50						
2+15	18 Lt. = ℄ Sing. Gar. : Dirt Floor					
2+00						
1+50						
1+15						
0+99	8 Rt. = End Conc. Slab.					
		395.95				

℄

2+50		396.3	390.1	390.2		
		5.9 / 7 5	5.9	5.9 / 7 5		
2+15	18 Lt. = ℄ Sing. Gar. : Dirt Floor			390.3		
				5.7 / 18 Floor		
2+00		396.0	390.3	390.2	389.7	
		5.6 / 75	5.7	5.8 / 75	6.3 / 50	
1+50		396.3	390.6	390.5		
		5.1 / 75	5.4	5.5 / 75		
1+15		396.0	390.7	390.6	390.6	
		5.1 / 75	5.3	5.4 / 75	5.4 / 27 at Bldg	
0+99	8 Rt. = End Conc. Slab.				391.55	
					4.45 / 8 Conc. Slab	
		396.0	390.7	390.6		
		5.0 / 50	5.3	5.4 / 75		
		395.95				

. N. + S. Alley Blk. 66 N. Hgts.

4+92 93	N. Line - E. + W. Alley Blk 66.			
4+50				
4+00				
3+50				
T.P.	4.95	394.69	6.21	389.74
3+00				
		395.95		



E+W. Alley Blk 66 Normal Hgts
Sketch P-40

0+88 19' Lt. = ℄ Sing Gar. dirt floor

0+50

0+25

End A.C. Pav. - Poor. Cond
0+00 = W. line Hawley

0-10 7½ Rt, 7½ Lt } = End Curbs.

0-25 Cont.

0-25 = W. ol. Hawley

T. P. & Nail				
0-13	5.32	394.95	5.06	389.63
		394.69		

℄

391.3
3.7
19
Floor

391.2
3.8
7½

391.2
3.8

391.1
3.9
7½

391.3
3.7
7½

391.1
3.9

391.3
3.7
7½

390.2
4.8
7½

390.2
4.8

390.3
4.7
7½

389.92
5.03
7½
C.& Pav.

389.91
5.14
7½
Cr. & Pav.

389.46
5.49
100
Cr

389.14
5.81
100
C

389.40
5.55
100
C.

389.81
5.14
100
Cr

389.90
5.05
50
Cr

389.35
5.60
50
C

389.67
5.28
85
Ctr. of Ret.

389.21
5.74
7½
C.

389.26
5.69

389.26
5.69
7½
C

389.47
5.29
8
Ctr. Rat

389.48
5.47
50
C

Drive
50
C

394.95

E.+W. Alley

2+50

2+13 15^{2} Lt. = ℄ Sing. Gar. Conc. floor.

T.P. 3.97 392.88 6.04 388.91

2+00

1+48.45 = W. line N.+S. Alley

1+33.45 = E. line N.+S. Alley

1+00

394.95

4

388.5 388.3 388.4

4.4/75 4.6 4.5/75

389.33

3.55/15² Floor

392.88

389.3 389.0 388.8 389.0 388.9

5.7/50 6.0/75 6.2 6.0/75 6.1/50

389.6 389.5 389.8

5.1/75 5.5 5.2/75

389.9 389.8 390.0

5.1/75 5.2 5.0/75

390.4 390.4 390.3 390.0

4.4/50 4.6/75 4.7 4.7/75 5.0/50

394.95

E+W. Alley Blk. 86 Normal Hgts

N.W.B.R. Meade+34	7.15	391.42	6.59	−0.15 384.27	384.12
T.R.	4.22	390.86	6.62	386.64	
N.E. 745' L+T. 34th + Monroe	6.30	393.26	5.92	386.96	
2+93 Cont.					
2+93 E. ch. 34th					
2+83.40 = start ch. + walk 7½ R+ + 7½ L+.					
2+81 20 = E.L. 34th = start A.C. Pav.					

Normal Hgts benches do not check between them. See page 17

386.80	386.50	386.95		387.12	387.45	387.09	387.42
6.08	6.38	5.93		5.76	5.43	5.79	5.46
100	100	50		50	50	100	100
cl.	G	ac		G	ac	G	ac.
386.72	387.28	386.99	387.13		387.10	387.38	
6.16	5.60	5.89	5.75		5.78	5.50	
50	8½	7½			7½	8½	
G	C+r+v' Rad. pat	G			G	C+r+v' Rad Pat	
	387.52		387.46		387.58		
	5.36		5.42		5.30		
	7½		Pav.		7½		
	walk+ ch. + pave.				walk+ ch. + pave		
	387.73	387.72	387.51		387.71	387.9	
	5.15	5.16	5.37		5.17	5.0	
	7½	7½			7½	7½	
	Edge par.						

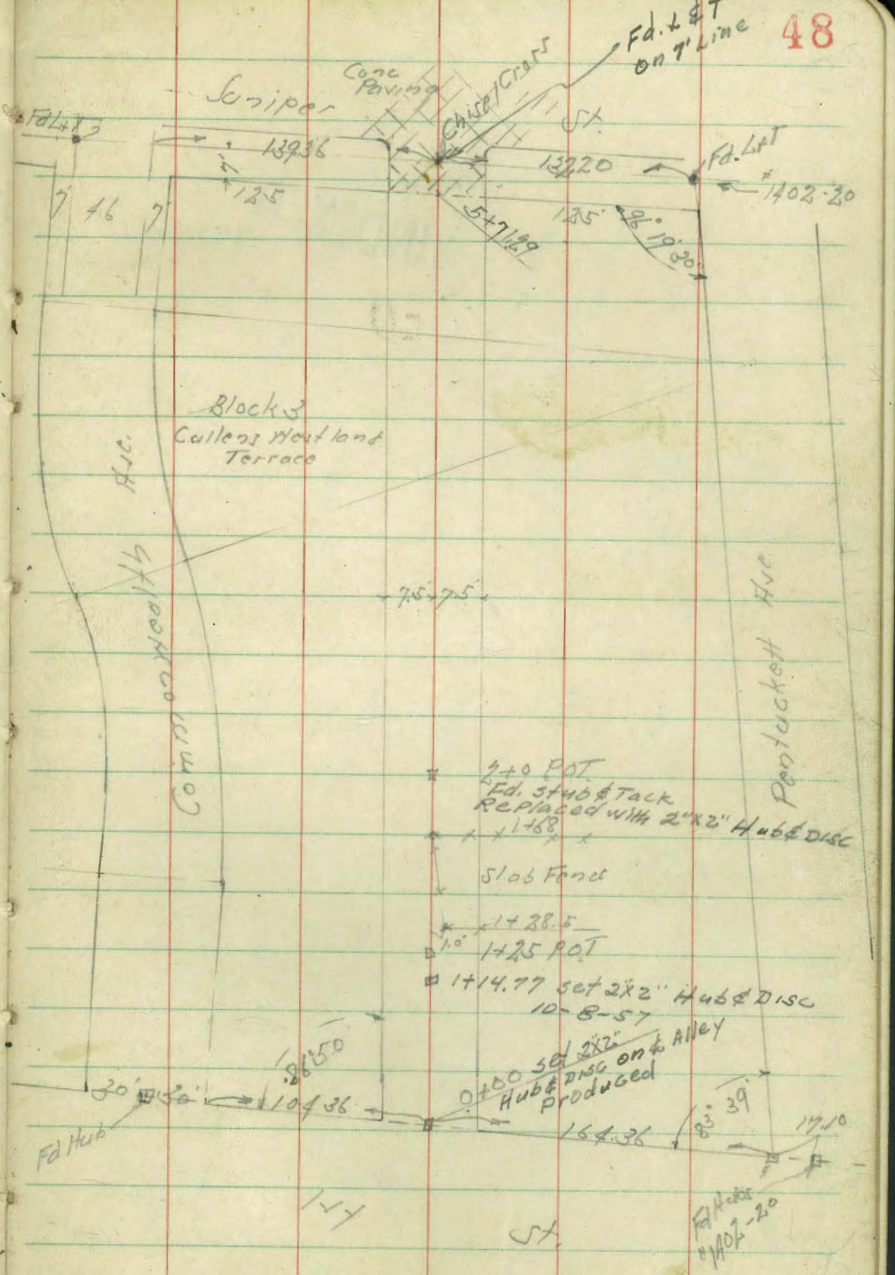
Alley Blk. 66 Normal Hgts.

orig. B.M. P. 40			4.64	+ 0.02 393.84	393.82
T.P.	5.52	398.48	3.83	392.96	
BM #1 - P40	6.50	396.79	5.21	390.29	390.28
T.P.	5.36	395.50	4.61	390.14	
T.P.	6.35	394.75	3.02	388.40	
		391.42			

Cross Section Alley Block 3 Cullen's Westland Terrace

Feb 7-49
Sisson
Smith
Decker
Barger
W.O. 25001

INDEXED
FEB 15 1949
WK



Cross Section Alley Block 3 Cullen's Westland Terrace
From Ivy to Juniper between Commonwealth & Pentucket

Lt=West Rt=East

TP	12.17	251.29	1.25	244.12	
+65					
+50					
+31					
0+0 = North Line of Ivy St.					
TP	0.66	245.87	12.61	244.71	
TP	1.57	257.32	18.04	255.75	
BM	2.36	268.79		266.93	SWBP Juniper & Commonwealth

INDEXED

	235.07	240.77	242.37	242.47	240.59	237.17
	19.6 / 20	16 / 7.5	6.0	2.9 / 4	4.8 / 7.5	8.2 / 20 = Bottom Marsh
19.8 / 27 = Bottom Marsh	230.07	237.27	237.77	237.17	235.17	
	15.3 / 20	8.1 / 7.5	7.6	8.2 / 7.5	10.2 / 20 = Bottom Marsh	
	224.57	230.57	230.97	232.17	231.17	232.87
	20.8 / 20 = Bottom Marsh	14.8 / 7.5	14.4	13.2 / 7.5	14.2 / 15	13.5 / 20
	227.47	221.37	220.27	223.17	227.17	
	17.9 / 20	24.0 / 7.5	25.1	22.2 / 7.5	18.4 / 16	

245.37

TP	9.03	272.48	2.28	263.45
2+0				
+75	4' Lt of ℄ = 2 12" Double Pepper Tree			
+69				
+50				
+20	6' Lt of ℄ = 2 15" Pow Pole # PH 2221			
1+17				
TP	10.50	265.73	1.06	255.23
0+87				
		256.29		

Lt.		℄		Rt.
261.43	264.63	261.14	263.03	264.93
4.1 / 20	4.1 / 7.5	4.27 / 07 Stub	2.6 / 7.5	2.8 / 20
260.63	260.53	259.23	257.13	258.43
5.1 / 20	5.2 / 7.5	6.5	8.6 / 7.5	7.3 / 20
260.33	259.53	256.33	253.93	254.63
5.5 / 20	7.2 / 7.5	9.4	11.8 / 7.5	11.1 / 20
254.73	256.73	255.73	251.73	247.23
11.0 / 20	9.0 / 7.5	10.0	14.0 / 7.5	18.5 / 20 Bottom Stairs
		265.73		
245.69	247.69	247.69	246.09	244.69
10.6 / 20	8.4 / 7.5	8.6	10.2 / 7.5	14.6 / 20 Bottom Stairs
		256.29		

+83

+71 8' Lt of ℄. NW wire Fence

+50

+33 6.9 Lt of ℄ & ⊥ 10" Power Pole # PP 2249

27 10

+97 7.5 Lt of ℄ = SW wire Fence

+95

+91

+76

27 50

272.48

⊥ 267.18
5.30
16.5
Garage Conc Floor

267.20
5.48
8.5 ⊥ NE Conc Apron

265.78
6.7
15

266.38
6.1
7.5

266.48
4.0

266.48
6.0
7.5

266.95
5.5
20

265.38
7.2
20

265.38
7.2
7.5

265.48
7.0

265.58
6.9
7.5

266.30
6.18
22 ⊥ NW Conc Apron

266.92
5.76
24.7 ⊥ Garage Conc Floor

265.18
7.30
7.8 ⊥ NE Conc Apron

265.18
7.3
7.5

264.98
7.7

265.28
7.2
7.5

264.93
7.55
11.4 ⊥ NW Edge Garage Floor Conc

264.80
7.68
7.5 ⊥ NW Conc Apron

264.78
7.70
11.2 ⊥ SW Edge Garage Floor Conc

264.59
7.89
7.5 ⊥ SW Conc Apron

263.28
9.2
20

263.48
9.0
7.5

263.58
8.9

263.53
8.9
7.5

263.48
8.5
15

272.48

+19

5+10 43 Lt of ℄ = ℄ 18" Euc. Tree

+96 7.2' Rt of ℄ - Nly High Board Fence

TP 607 27741 1.14 270.34

+72 6.4 Lt of ℄ = ℄ 12" Power Pole # PA 2281

+70 7.0 Rt ℄ = Sly High Board Fence

+46

+39 66 Lt of ℄ = Nly Lath Fence

+21 68 Lt of ℄ = Nly Wire + Sly Lath Fence

4+40 6.5' Lt of ℄ - Sly Wire Fence

272.48

Lt ℄ Rt

272.18
5.2 / 12.2 Nly Walk Conc

272.17 / 5.4 / 10.2 = ℄ Nly Conc Walk
272.41 / 5.0 / 3.5
272.51 / 4.9
272.51 / 4.9 / 3.5
272.71 / 4.70 / 10.7 = Nly Brick House

272.37 / 5.0 / 8.1 Nly Walk Conc

277.41

270.78 / 1.7 / 20
271.35 / 1.1 / 25
271.08 / 1.4
271.38 / 1.1 / 7.5
271.88 / 0.6 / 20

269.36 / 3.1 / 16.6 = ℄ Garage Box Floor
269.48 / 3.0 / 7.5
269.98 / 2.5
270.18 / 2.3 / 7.5
270.28 / 2.2 / 20

267.18 / 5.2 / 20
267.98 / 4.5 / 7.5
268.08 / 4.4
268.48 / 4.0 / 7.5
268.78 / 3.7 / 20

272.48

BM		11.00	266.41	S.W. BP. Juniper & Commonwealth 266.23
+81.29 = South Curb Line of Juniper St.				
+71.29 = S.L. Juniper St.				
+70				
5+50				

27741

Lt.	℄	Rt.
269.96	269.86	269.78
7.45	7.55	7.63
7.5 Conc Pav.	7.5 Conc Pav.	7.5 Conc Pav.
270.86	270.65	270.28	270.27	270.47
6.55	6.76	7.13	7.14	6.94
7.5 Curb	7.5 Gutter	7.5 Conc Pav.	7.6 Gutter	7.6 Curb
272.61	271.51	271.01	271.41	272.01	273.01
4.8	5.6	6.4	6.0	5.4	4.4
10	7.5		6.	7.5	10.
272.51	272.71	272.91	272.71	273.11
4.9	4.7	4.7	4.7	4.3
20	7.5		7.5	20

27741

X Sec Alley Block 5 Reeds Central ~~Park~~

& Block 78 Powers (All same alley)

D. Smith
W. Moore
J. Clark

WO # 31669

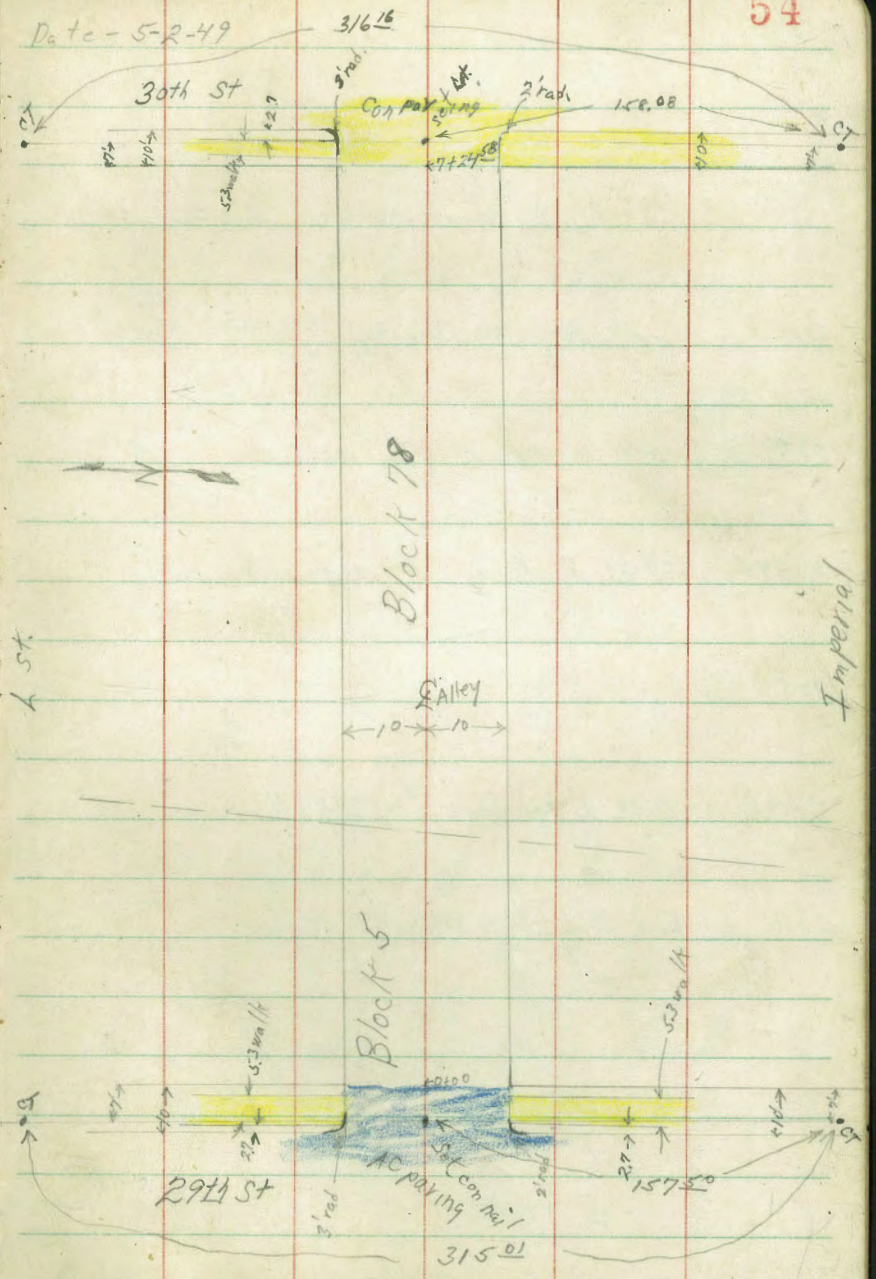
INDEXED
WK
MAY 3 1949

Tie Sheet 145

Subdiv. Maps 300 & 190 of R.S. 1153

See p. 65 for additional Notes

Date - 5-2-49



SEE ALSO NOTES ON PAGE 65

X Sec	Alley Block 78 Powers ~ S Reeds				
1+05	15 I Rt & double garage	dirt floor	5.5	74.24	
1+00	11 Lt & 3' con walk		5.45	74.39	
0+91	11 Rt Westerly of 2' con. walk		5.18	74.56	
0+54	8.9 Rt & Power Pole No Number				
0+50					
0+17.5	8.6 Lt & tel Pole #437727 H				
0+00	East line 29th St Edge AC paving				
0-10	East curb line 29th St.				
BM	769	7974	72.05	SW BP 29th & Imperial	

North Lt	℄	South Rt
74.42 / 5.33 / 20 on walk	74.29 / 5.45 / 16 4 a/4	74.3 / 5.4 / 10
74.3 / 5.4 / —	74.4 / 5.5 / 10	74.4 / 5.5 / 15
74.1 / 4.6 / 20	74.8 / 4.9 / 10	74.6 / 5.1 / —
74.6 / 5.1 / 10	74.8 / 4.9 / 15	
75.13 / 4.61 / 17 curb	74.84 / 4.20 / 9.7 Gutter	74.52 / 5.22 / —
74.66 / 5.08 / 10 gutter	74.80 / 4.24 / 10 curb	
75.47 / 4.37 / 50 Top curb	75.25 / 4.62 / 50 gutter	74.87 / 4.87 / 10 Top curb
74.49 / 5.25 / 10 gutter	74.33 / 5.41 / —	74.21 / 5.53 / 10 gutter
74.55 / 5.19 / 10 Top curb	73.57 / 6.17 / 50 gutter	74.01 / 5.73 / 50 Top curb

7974

			Lt	℄	Rt
	14.2 con floor	13.55 6.19			
1+83	10.2 Lt ℄ Single garage apron con	13.45 6.29			
1+76.5	8.6 Lt ℄ tel pole # 415687H				
1+76.5	8.8 Rt ℄ Power pole # A2926				
	14.0 Lt con floor	13.54 Floor 5.88			
1+74	13.6 Lt End con apron double garage	13.77 Apron 5.97			
	14.0 con floor	13.60 Floor 5.90			
1+56	13.6 Lt. Begin con apron Double garage	13.46 Apron 6.08			
1+55	10.2 Lt End 3' lath Fence				
1+50	9.8 Rt End wooden Shed dirt floor	13.8 5.9	14.1 5.6 20	13.9 5.8 10	14.0 5.7
1+25	9.8 Lt Begin Lath 3' Fence				13.8 5.9 9.8
1+19.5	10.3 Rt Begin wooden Shed dirt floor	14.3 5.4			
1+14	12.3 Lt ℄ double garage dirt floor	14.0 5.7			

7974

3+00					
2+98.5	8.6 Rt & Power Pole # A 2936				
2+95	10.4 Lt End wooden shed dirt floor			73.2 4.4	
2+74	9.2 Lt Begin wooden Shed			dirt 73.4 4.5	
2+72.5	8.5 Lt & tel pole # 434408 H				
2+55.5	10.3 Lt End 5' Board fence				
2+50					
TP1	3.95	77.64	6.05	73.69	1+98 2' Rt Rock
2+00					
1+92	10.3 Lt Begin 5' Board Fence				

Lt	℄	Rt
72.8 4.5 20	73.0 4.6 10	72.9 4.7
72.8 4.8 10	72.6 5.0 20	
73.6 4.0 20	73.2 4.7 10	73.4 4.2
73.0 4.6 10	73.0 4.5 20	
77.64		
73.4 6.4 20	73.6 6.3 10	73.7 6.0
73.3 6.4 10	74.2 5.5 20	
79.74		

		Lt	℄	Rt
3+74	8 Lt ℄ tel pole # 464012 H			
3+71	9 Lt End apron double garage con floor & apron	72.39 525 12 Floor	72.23 541 9 Apron	
3+62	8 Rt End wire fence begin 2 garages dirt floor	72.5 51 8		
3+50	10 Lt Begin double garage con floor & apron	72.43 521 12 Floor	72.18 546 10 Apron	72.6 50
3+48	8 Rt Begin wire fence			
3+41	9 Lt End wooden shed dirt floor			72.7 49 8
3+36	14 Lt ℄ not used double garage dirt floor			72.9 47 20
3+36	13 Rt ℄ 12" palm tree			
3+24	10 Lt Begin wooden shed dirt floor			
3+19	14 Lt ℄ Single garage dirt floor			

77 64

TP$_2$	499	7744	5^{1}9	72^{4}5	4752 3'Rt Rock
4755^{5}	14^{2} Rt $\mathcal{E}$ 11' con apron @ floor single garage				
4750	8^{2} Rt End 6' wood fence				
4747	10^{2} to floor 6^{2} Lt $\mathcal{E}$ 9' long con apron to single hinged in garage				
4718	8^{2} Rt End wire gate begin wood 6' fence				
4702	8^{2} Rt End wood 5' fence begin wire gate				
4701	7^{8} Rt $\mathcal{E}$ Power Pole #AR950				
4700					
3793^{5}	8^{5} Rt End 2 garages Begin wood 5' fence dirt floor			72.4 5^{2}	

7744

72.10 72.6.0
49^{4} 50^{4}
18^{5} Floor 14^{2} Apron

72.4 72.10 72.4 72.6
52^{3} 55^{4} 53 50
10^{4} Floor 6^{2} Apron 10

72.40 72.10
52^{4} 55^{4}
10^{4} Floor 6^{2} Apron

72.3 72.2 72.6 72.5 72.5
53 54 50 51 51
20 10 10 20

7764

		Lt.	℄	Rt
5+74	99 Rt End Board 5' Fence Begin picket 5' Fence			
5+75	10' Lt Begin 5' Board Fence ℄			
5+70	92 Lt ℄ single garage dirt floor		72.2 5.2	
5+50	92 Rt Begin 5' Board fence	72.0 5.4 20	72.1 5.3 10	72.3 5.4 72.2 5.2 10 72.2 5.2 20
5+39	12° Rt End 3 car garage apron + con floor	78.40 4.04 19 floor	72.70 4.74 12 apron	
5+27.5	5° Lt. ℄ tel pole # 453337H			
5+05	12' Rt. Begin 3 car garage apron + con floor	78.40 4.04 19 floor	72.70 4.74 12 apron	
5+00	8' Rt ℄ Power pole No Number	71.59 5.2 20	72.1 5.3 10.	72.5 4.9 72.4 5.2 10 72.4 5.0 20
5+00	95 Rt End picket 6' Fence			
4+64.5	94 Rt Begin picket 6' Fence			

77 44

		Lt	℄	Rt
6+42.5	9.5 Lt westerly begin Shack living unit dirt floor	72.9 4.5 dirt floor		
6+42.5	9.4 Lt End 5' board fence - ?			
6+42	9.3 Rt End 5' picket fence			
6+25	9.7 Rt Begin 5' picket fence			
6+25	8.3 Rt ℄ power pole # A2974			
6+24	9.4 Lt end of broken con 6" wall at fence base	72.7 4.7 9.4 footing	73.19 4.35 9.7 top	
6+19.5	15.6 Rt ℄ single garage dirt floor	72.2 4.5		
6+11	9.4 Rt End 5' picket fence			
6+03.5	9.4 Lt Begin broken con 6" wall at fence base	72.9 5.1 9.5 footing	73.24 4.20 4.5 top	
6+00				

72.4	72.4	72.5	72.4	72.5	
5.0	5.0	4.9	5.0	4.2	
15	10		10	14	

77.44

BM			3 83	74 95

NW BP 7497 30th & Imperial

7+34 58	West curb line 30th St			
7+24 58	West line 30th St	10 Rt East of Bldg 11 Rt curb		
TP 3	5 31	78 78	3 87	73 57
7+08 5	10 Lt End wire 4' Fence			
7+00				
6+84	11 Rt Begin Store Bldg			
6+75	8 Lt & tel pole # 453338 H			
6+74	10 Rt Westerly con loading ramp for Store			
6+50	9 Lt Begin 4' wire fence			
6+50	9 Lt Easterly end Shack dirt floor			

Lt 4 Rt

78.73 5 05 100 curb
78.16 5 67 100 gutter
74.50 4 64 50 curb
74.34 5 35 50 gutter
74.09 4 69 10 curb
73.65 5 13 10 gutter
74.14
73.70 5 08
73.75 5 03 11 gutter
74.22 4 55 11 curb
73.96 4 82 50 gutter
74.38 4 40 50 curb
74.28 4 58 100 gutter
74.55 4 23 100 curb

7430 4 48 10 curb
4 64 10 gutter
73.92 4 86
7431 4 32 11 gutter
4 26 11 curb 74.52

78 78

78.94 3 5 25
74.0 3 4 10
74.0 3 4
74.4 3 0 11 Bldg

74.85 2 85 11 Ramp

74.16 3 28 10 Ramp

73.3 4 4 25
73.0 4 4 15
73.0 4 4 58 dirt floor
73.0 4 4
73.2 4 2 10
73.4 4 0 25

77 44

Ref. 1681-32

Moore
Begg
Sisson

Xsec Chester ST.
Lisbon to Tamaqua
7-13-49 W.O. 25020

notes transcribed &
plotted Profile #3446
McClarren
7-19-49

1+60					
1+10	Graded Lot on Lt.				
+75					
+40					
0+00	St. Lisbon				
T.P.	12.28	274.64	1.23	262.36	
B.M. 2" Pipe Imperial & 69th	10.15	263.54		253.44	

Lt ℄ Rt 63

268.2	268.5	269.0	268.9	268.4
6.4 / 40	6.1 / 25	5.6	5.7 / 25	6.2 / 40
269.3	**271.3**	**271.4**	**270.6**	**268.3**
5.3 / 40	8.3 / 25	3.2	4.0 / 25	6.3 / 40
269.6	**271.0**	**271.4**	**270.3**	**267.5**
5.0 / 40	8.6 / 25	3.2	4.3 / 25	7.1 / 40
269.0	**268.9**	**269.6**	**270.4**	**268.1**
5.6 / 40	5.7 / 25	5.0	4.2 / 25	6.5 / 40
	267.0	**267.2**	**266.3**	
	7.6 / 25	7.4	8.3 / 25	

274.64

4+50.00 ℄ Jamacha

4+10

3+60

3+10

2+74 ℄ 3' Con. Walk on Rt.

2+55

T.P. 0.56 26.33 12.87 261.77

2+10

27.64

℄		℄		Rt
	253.9	253.3	252.8	
	8.4	9.0	9.5	
	25		25	
254.7	254.5	253.9	253.3	252.9
7.6	7.8	8.4	9.0	9.4
40	25		25	40
255.9	255.4	254.7	254.3	254.1
6.4	6.9	7.6	8.0	8.2
40	25		25	40
258.3	258.0	257.1	256.1	255.7
4.0	4.3	5.2	6.2	6.6
40	25		25	40
260.3	260.3	259.7	259.00	258.85
2.0	2.0	2.6	3.33	3.4
40	25		25	40
261.4	261.2	261.2	260.1	259.9
0.9	1.1	1.1	2.2	2.4
40	25		25	40

Con Walk

26.33

264.3	264.4	264.5	264.6	264.6
10.3	10.2	10.1	10.0	10.0
40	25		25	40

27.64

8-24-49
Hendricks
Roberts
Bunch
Gregory
W O # 31669

Additional Notes Alley Block 5
Reed's Central Park
Original Notes P54 this Book

INDEXED

3.71

℄ ℄ Alley 7+24.5.8 73.94 (73.92 P.C.)
W. Line 30th

7+54.58 ℄ Alley & ℄ 30th St. Sewer M.H.

5.18

4+39.4 ℄ Sewer M.H

5.24

1+64.3 ℄ Flush Box

0+00 = ℄ line 29th St.

TP	3.25	77.65	5.46	74.40
BM	7.81	79.56		72.05

L ℄ R+ 65

4.79 7.30
2 8/10 10.35
Rim F.L

7.66 6.49
3 9/10 9 1/6
Rim F.L

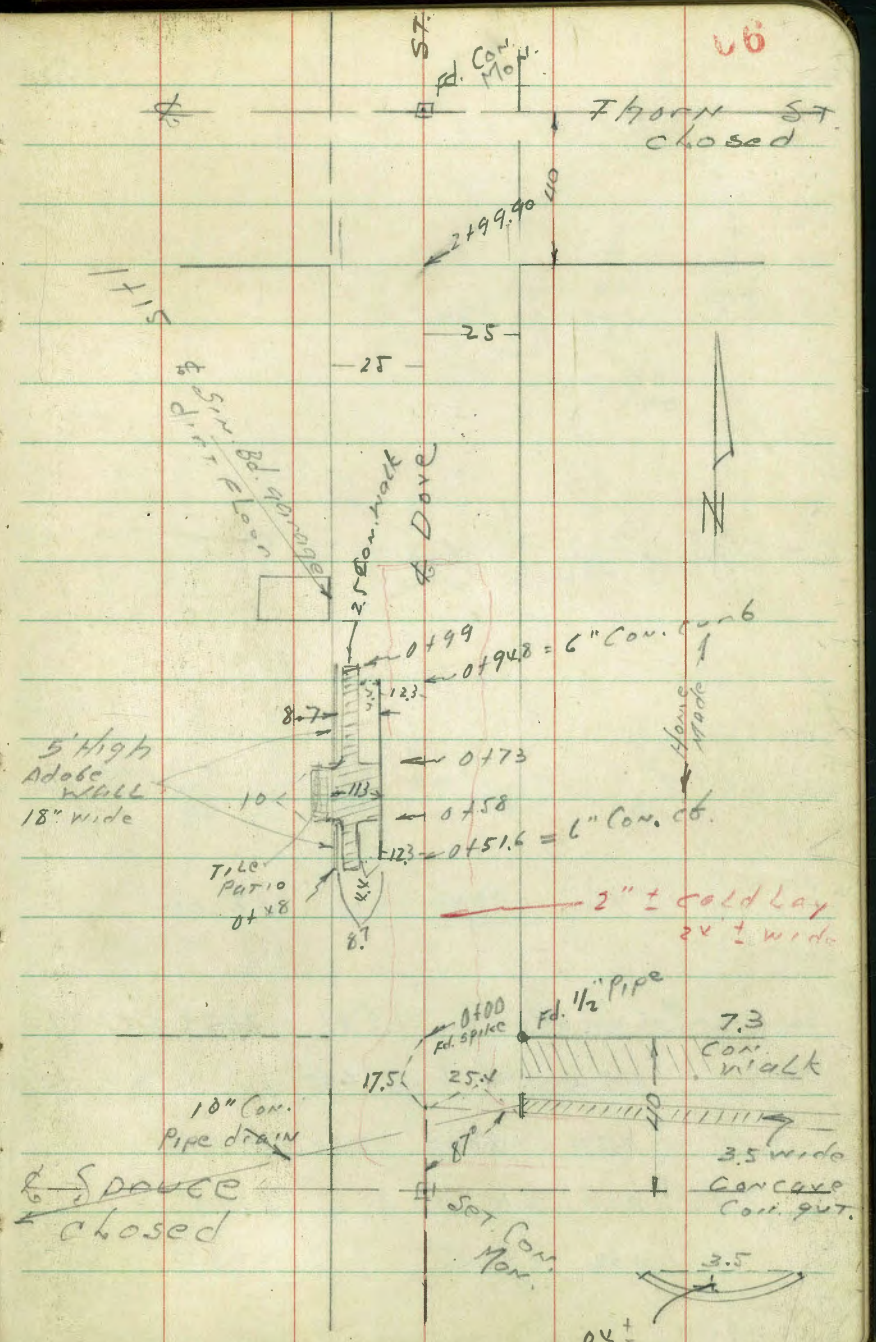
3.29 7.16
4 3/10 6 4/10
Rim F.L at East Edge M.H.

77.63

9-26-49
Moore
Shennon
D. Sisson

X sec Dove ST.
Spruce to Thorn
WO 25020

INDEXED
W.K.
OCT 17 1949



Dove St.

P. 69

0-15.8	Sec. & gut				
0-17.5	Sec. Taken on Sledge Gut.				
0-40 & Spruce			175.5 15.0 / 40	176.2 14.3 / 30	181.5 9.0 / 25
Nail PP P 8196	5.46	190.46	185.00		
check to & Con. Mon.		9.47	175.79	175.83 (-0.04)	
T.P.	0.76	185.76	13.00	185.00	Nail
T.P.	0.20	198.00	12.70	197.80	
T.P.	0.19	210.50	13.15	210.31	
B.M. SE. 7 C.T. Spruce and Curlew	0.34	223.46		223.12	

07

							181.81 8.65 / 25 Top	180.55 9.91 / 25.4 Fd. Inlet 10" Pipe	184.49 5.97 / 50
175.7 14.8 / 40	175.9 14.6 / 27	181.0 9.5 / 25	180.9 9.6 / 13	180.5 10.0 / 11	181.0 9.5	182.2 8.3 / 25	181.81 8.65 / 25.4 Conc.		184.9 5.6 / 50 Conc.
Bog. Picket Fence 21	3196 P Pole 19.5	181.2 9.3 / 13	180.7 9.8 / 11	181.1 9.4		182.9 7.6 / 25	186.6 3.9 / 60		

190.46

E.B. 927-34 & Mon. Dove & Thorn

P.P. P 3196 20' Lt 0-40

Pagestuck

0+65.5

0+51.6

0+48 21' LT end Picket fence

T.P. 4.48 183.99 10.95 179.51 Rock
~~4.45 183.96~~

0+08

0+05 22' RT Tel Guy P.P. 40720x H

0+00

0-7.3 S. edge con walk on RT
190.46

179.55 179.40 179.41 179.0 179.3
4.44 4.59 4.58 11.0 4.7
25 23.6 12.3 12.3
PAT 10

179.5 179.51 179.0 179.4 179.8 182.0 190.0 190.0 193.0
4.5 4.48 11.0 4.6 4.2 2.0 +6.0 +6.0 +9.0
21 12.3 12.3 17 25 27 33 35
OT WALL 06

183.99
~~+183.96~~

176.1 175.9 179.8 180.3 179.6 180.8 182.1 184.4 188.3
14.4 14.6 10.7 10.2 10.9 10.4 9.7 8.4 6.1 2.2
40 25 23 13 11 15 20 25 31

175.8 175.9 180.4 180.5 180.1 180.4 181.0 182.46 186.57
14.7 14.6 10.1 10.0 10.4 10.1 9.5 4.00 3.89
40 25 23 13 11 15 25 50
CON. CON.

175.9 175.9 180.5 180.6 180.1 180.6 181.0 182.26 186.41
14.6 14.6 10.0 9.9 10.4 9.9 9.5 4.0 4.05
40 25 23 13 11 15 25 50
CON

190.46

Station	Remarks	Lt					℄				Rt
2+30			13.6/35 (170.4)	11.5/30 (172.5)	8.3/25 (175.7)	6.9/23 (177.1)	6.0/8 (178.0)	5.2 (178.8)	2.4/20 (181.6)	0.0/25 (184.0)	+4.5/30 (188.5) +7.5/35 (191.5)
2+00		8.8/35 (175.2)	7.2/30 (176.8)	6.2/25 (177.8)	5.3/10 (178.7)	5.8/8 (178.2)	4.9 (179.1)	2.8/19 (181.2)	+0.5/25 (184.5)	+11.0/35 (195.0)	
1+50			5.2/35 (178.8)	4.5/25 (179.5)	4.5/13 (179.5)	5.8/12 (178.2)	4.9 (179.1)	4.7/16 (179.3)	+2.0/25 (186.0)	+11.0/28 (195.0)	+11.7/35 (195.7)
1+49	19.5 Lt P.P. P3250										
1+15	℄ gar.	dirt and Bot. door	4.6/25 (179.4)	5.0/13 (179.0)	5.5/12 (178.5)	5.0 (179.0)	5.0/18 (179.0)	0.0/25 (184.0)	+9.5/27 (193.5)	+11.0/35 (195.0)	
1+10	N end Cold Lay										
0+94.8			4.7/25 (179.3)	4.7/21 (179.3)	4.72/23 (179.27)	5.2/23 (178.8)	4.8 (179.2)	4.4/18 (179.6)	0.0/25 (184.0)	+9.5/27 (193.5)	+9.5/33 (193.5)

183.99

183.99

& thence Old Natural ground

3+14 19.5 Lt. #3298

2+99.9 56 Thence

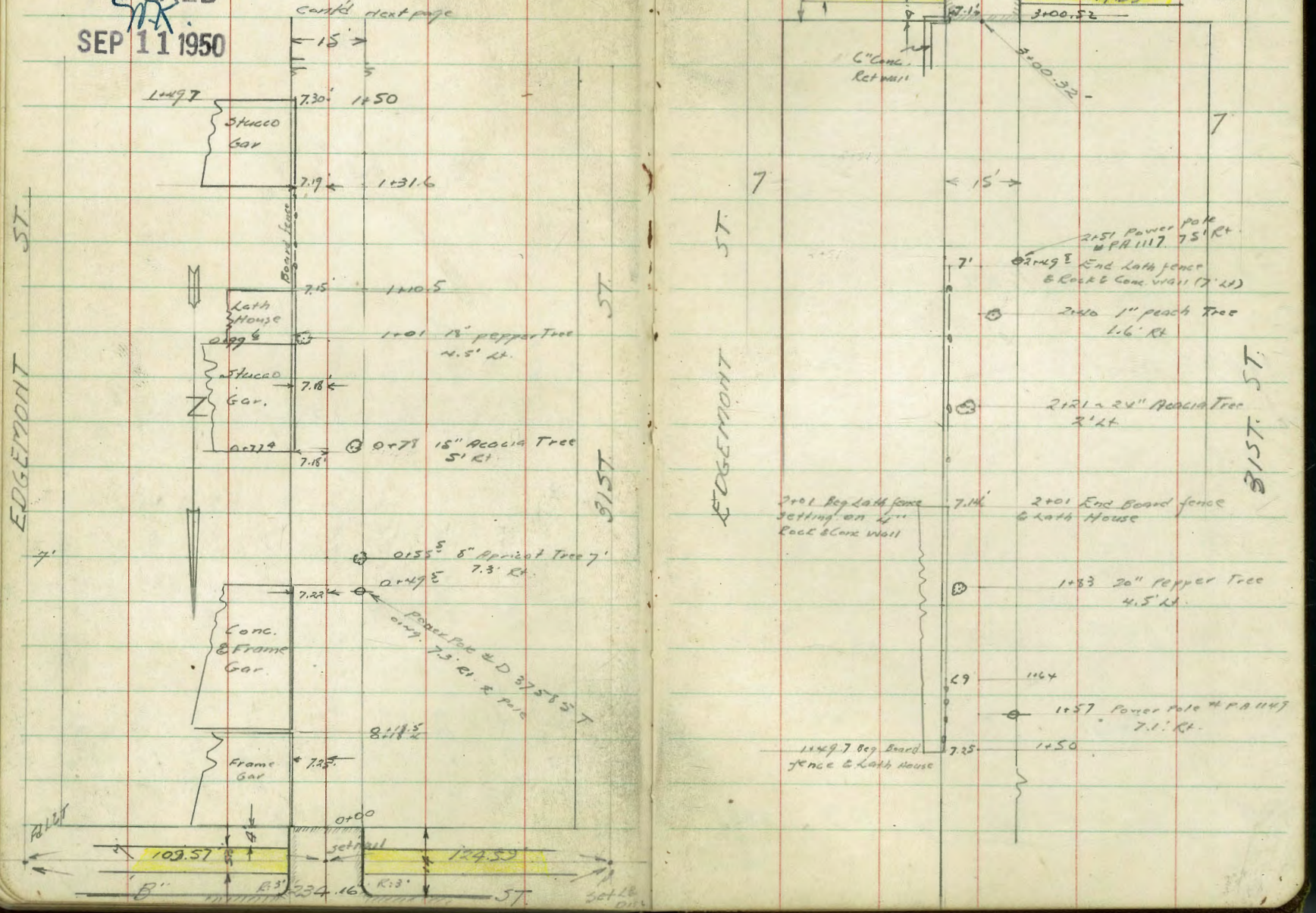
2+50

183.99

164.8	168.8	174.3	175.8	179.4	181.5	183.2	
19.2 / 5	15.2 / 25	9.7 / 10	8.2	1.6 / 7	2.5 / 25	0.8 / 35	
168.6	171.5	175.4	177.0	179.8	186.0	187.0	189.0
15.4 / 35	12.5 / 25	8.6 / 17	7.0	4.2 / 4	2.0 / 20	+3.0 / 25	+5.0 / 35
168.3	174.2	175.6	179.2	178.7	182.0	182.7	184.5	188.0	189.4
15.7 / 35	9.8 / 25	8.4 / 22	6.8 / 11	5.3	2.0 / 2	1.3 / 21	+0.5 / 25	+4.0 / 30	+5.4 / 35

183.99

Location of Encroachments in Alley Block 1 Treasure Hills



Roberts
Cota
Moore
Pullen
12-24-51
W.O. 31929

X-Section Island Ave.
Union to Front
For Quantities Only!
See pg. 1

73.

				Lt	℄	Rt
2+00	W.P.L. Front			6.4 27Σ	5.8	5.3 37Σ
1+50				5.7 27Σ	5.1	5.0 37Σ
1+00				6.5 27Σ	5.1	4.8 37Σ
0+50				5.5 27Σ	5.0	4.5 37Σ
0+00	E.P.L. Union			5.2 27Σ	5.0	4.3 37Σ
℄	Union			5.4 37Σ	4.9	4.5 37Σ
BM	(Used Direct Elevation Rod)	10.93	SWBP Union & Market			

Roberts
Cota
Moore
Moralez
11-20-53
WO#62356

X-Section Island Avenue
Front Ely. See pg. 1 this FB

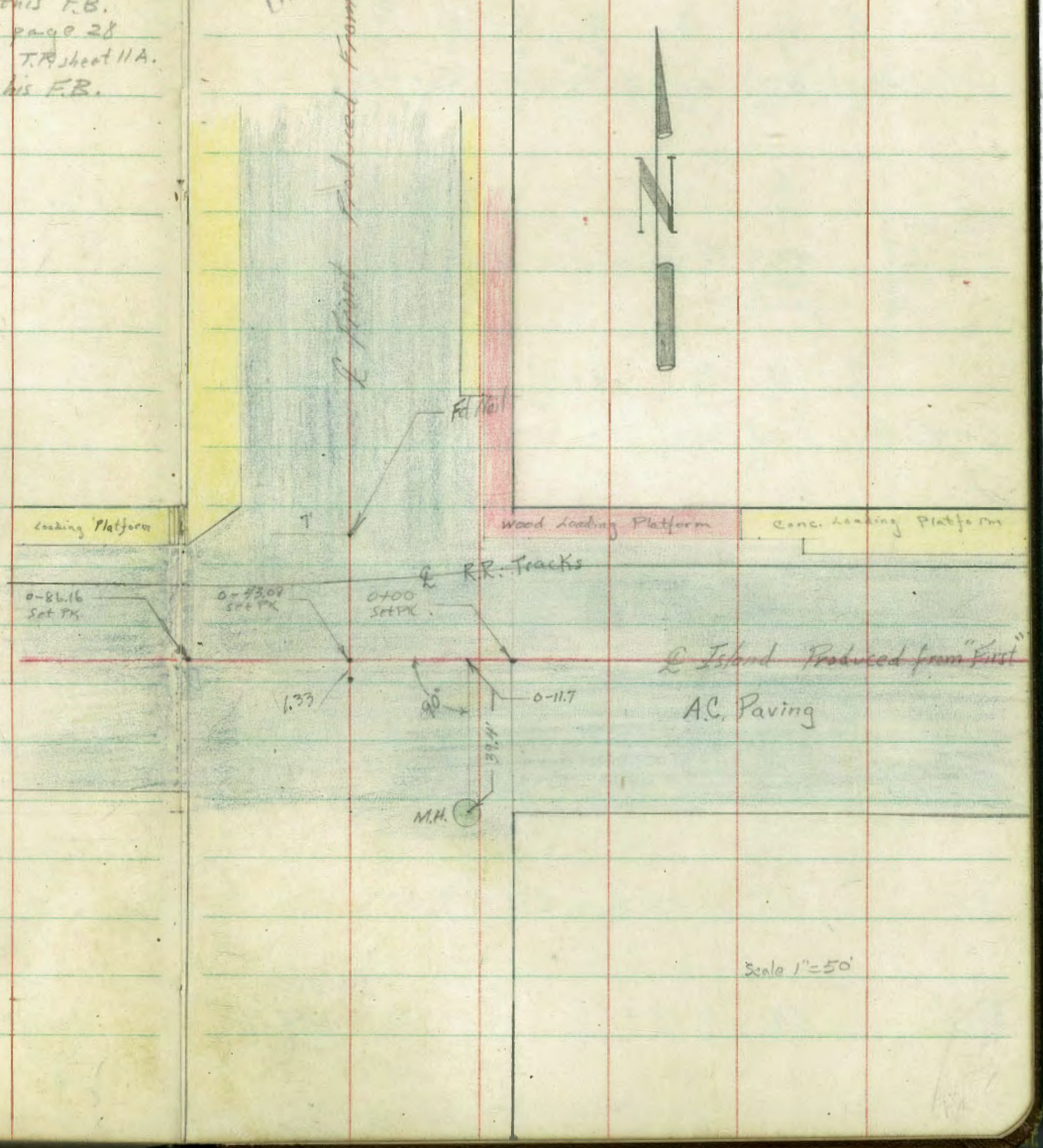
FB1039 (Harbor Work) pg 28 & 29

Note discrepancy shown on width of Front in FB1039; Page ONE this F.B. shows 86.16 as agrees with page 28 and not pg. 29 FB 1039 or T.R. sheet 11A. This survey uses page ONE this F.B.

INDEXED
NOV 23 1953

14

INDEXED
DEC 1953



Cont'd From Page 74

		Lt	℄	Rt
0+00	East Line Front Street	6.52 4.53 31	6.27 4.68 27	6.24 4.81 13 — 6.02 5.03 — 5.64 5.41 14 — 5.51 5.34 24 — 5.25 5.30 40
0-11.7	39.4' Rt to center MH			-0.05 11.10 39# INVERT — Riveted shut. Rim came off too. 39# Rim
0-43.08	℄ Front	6.80 4.25 40	6.07 4.98 238	6.13 4.90 13 — 6.02 5.03 — 5.71 5.14 11 — 5.71 5.34 26 — 5.52 5.53 40
0-72.16	West Curb line	5.91 4.14 40 CB	6.37 4.68 40 Gut	5.89 5.16 22 Paddle — 6.02 5.03 9 — 5.88 5.17 — 5.70 5.35 11 — 5.20 5.85 26 — 9.85 6.10 40
0-86.16	28.6' Rt to center P. Pole # P201 / West Line Front Street	7.01 3.98 40 Walk	6.25 4.30 30 CB	6.28 4.77 30 Gut — 5.92 5.13 22 — 5.24 5.11 11 — 5.20 5.25 — 5.64 5.41 11 — 5.20 5.35 26 — 5.27 5.78 40
T.P.	1.98 11.05 ✓	8.78	9.07 ✓	
BM	5.92 17.85 ✓	11.93 SWBP Market & First		

11.05 ✓

Cont'd From Page 75

Lt ℄ Rt

South ¼ Line Island — Elevations →

5.40	5.38	5.49	5.65	5.78	5.81	5.76	5.64	5.57	5.59
86.16	80	70	60	50	40	30	20	10	

West Line Front — East Line Front

South Line Island — Elevations →

5.27	5.25	5.02	5.28	5.49	5.60	5.52	5.37	5.47	5.75
86.16	80	70	60	50	40	30	20	10	

West Line Front — S.E. Corner Island's Front

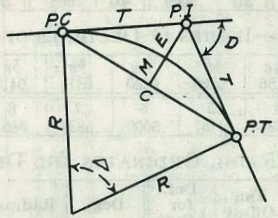
Check 5.92 11.93 N/ = 11.93

T.P. 7.86 17.85 N/ 1.07 9.98 ↓

	151		140	117		089	068	073		103
1+00	3.54		3.65	3.88		4.16	4.41	4.32		4.02
	28		11			10	15	22		40
0+71.8 28' Rt to center P. Pole # 165										
	116	086	127	154		174	127	105		126
0+50	4.06	4.25	4.32	4.51		4.81	5.08	5.00		4.79
	31	27	12			10	17	27		40

11.05 ↑ 11.05 ↑

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES



CURVE FORMULAS

Radius=R=$\frac{50}{\text{sin. } D/2}$(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′.

Table I.—Minutes in Decimals of a Degree.

1′	.0167	11′	.1833	21′	.3500	31′	.5167	41′	.6833	51′	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

Table II.—Inches in Decimals of a Foot.

1/16	3/32	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729

1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

Table III.—Radii, Ordinates and Deflections.

Deg.	Radius	Mid. Ord.	Tan Offset	Def. for 1 Foot	Deg.	Radius	Mid. Ord.	Tan Offset	Def. for 1 Foot
0° 10′	34377.5	.036	.145	0.05′	7°	819.02	1.528	6.105	2.10′
20	17188.8	.073	.291	0.10	20	781.84	1.600	6.395	2.20
30	11459.2	.109	.436	0.15	30	764.49	1.637	6.540	2.25
40	8594.42	.145	.582	0.20	40	747.89	1.673	6.685	2.30
50	6875.55	.182	.727	0.25					
					8	716.78	1.746	6.976	2.40
1	5729.65	.218	.873	0.30	20	688.16	1.819	7.266	2.50
10	4911.15	.255	1.018	0.35	30	674.69	1.855	7.411	2.55
20	4297.28	.291	1.164	0.40	40	661.74	1.892	7.556	2.60
30	3819.83	.327	1.309	0.45					
40	3437.87	.364	1.454	0.50	9	637.28	1.965	7.846	2.70
50	3125.36	.400	1.600	0.55	20	614.56	2.037	8.136	2.80
					30	603.80	2.074	8.281	2.85
2	2864.93	.436	1.745	0.60	40	593.42	2.110	8.426	2.90
10	2644.58	.473	1.891	0.65					
20	2455.70	.509	2.036	0.70	10	573.69	2.183	8.716	3.00
30	2292.01	.545	2.181	0.75	30	546.44	2.292	9.150	3.15
40	2148.79	.582	2.327	0.80	11	521.67	2.402	9.585	3.30
50	2022.41	.618	2.472	0.85	30	499.06	2.511	10.02	3.45
					12	478.34	2.620	10.45	3.60
3	1910.08	.655	2.618	0.90	30	459.28	2.730	10.89	3.75
10	1809.57	.691	2.763	0.95	13	441.68	2.839	11.32	3.90
20	1719.12	.727	2.908	1.00	30	425.40	2.949	11.75	4.05
30	1637.28	.764	3.054	1.05	14	410.28	3.058	12.18	4.20
40	1562.88	.800	3.199	1.10	30	396.20	3.168	12.62	4.35
50	1494.95	.836	3.345	1.15					
					15	383.07	3.277	13.05	4.50
4	1432.69	.873	3.490	1.20	30	370.78	3.387	13.49	4.65
10	1375.40	.909	3.635	1.25	16	359.27	3.496	13.92	4.80
20	1322.53	.945	3.718	1.30	30	348.45	3.606	14.35	4.95
30	1273.57	.982	3.926	1.35	17	338.27	3.716	14.78	5.10
40	1228.11	1.018	4.071	1.40	18	319.62	3.935	15.64	5.40
50	1185.78	1.055	4.217	1.45	19	302.94	4.155	16.51	5.70
5	1146.28	1.091	4.362	1.50	20	287.94	4.374	17.37	6.00
10	1109.33	1.127	4.507	1.55	21	274.37	4.594	18.22	6.30
20	1074.68	1.164	4.653	1.60	22	262.04	4.814	19.08	6.60
30	1042.14	1.200	4.798	1.65	23	250.79	5.035	19.94	6.90
40	1011.51	1.237	4.943	1.70	24	240.49	5.255	20.79	7.20
50	982.64	1.273	5.088	1.75					
					25	231.01	5.476	21.64	7.50
6	955.37	1.309	5.234	1.80	26	222.27	5.697	22.50	7.80
10	929.57	1.346	5.379	1.85	27	214.18	5.918	23.35	8.10
20	905.13	1.382	5.524	1.90	28	206.68	6.139	24.19	8.40
30	881.95	1.418	5.669	1.95	29	199.70	6.360	25.04	8.70
40	859.92	1.455	5.814	2.00	30	193.18	6.583	25.88	9.00

Note. Chord Deflection=2 times tangent deflection.

Table IV.—Tangents and Externals to a 1° Curve.

Central Angle	Tangent	External	Central Angle	Tangent	External	Central Angle	Tangent	External
1°	50.00	.22	11°	551.70	26.50	21°	1061.9	97.57
10′	58.34	.30	10′	560.11	27.31	10′	1070.6	99.16
20	66.67	.39	20	568.53	28.14	20	1079.2	100.75
30	75.01	.49	30	576.95	28.97	30	1087.8	102.35
40	83.34	.61	40	585.36	29.82	40	1096.4	103.97
50	91.68	.73	50	593.79	30.68	50	1105.1	105.60
2	100.01	.87	12	602.21	31.56	22	1113.7	107.24
10	108.35	1.02	10	610.64	32.45	10	1122.4	108.90
20	116.68	1.19	20	619.07	33.35	20	1131.0	110.57
30	125.02	1.36	30	627.50	34.26	30	1139.7	112.25
40	133.36	1.55	40	635.93	35.18	40	1148.4	113.95
50	141.70	1.75	50	644.37	36.12	50	1157.0	115.66
3	150.04	1.96	13	652.81	37.07	23	1165.7	117.38
10	158.38	2.19	10	661.25	38.03	10	1174.4	119.12
20	166.72	2.43	20	669.70	39.01	20	1183.1	120.87
30	175.06	2.67	30	678.15	39.99	30	1191.8	122.63
40	183.40	2.93	40	686.60	40.99	40	1200.5	124.41
50	191.74	3.21	50	695.06	42.00	50	1209.2	126.20
4	200.08	3.49	14	703.51	43.03	24	1217.9	128.00
10	208.43	3.79	10	711.97	44.07	10	1226.6	129.82
20	216.77	4.10	20	720.44	45.12	20	1235.3	131.65
30	225.12	4.42	30	728.90	46.18	30	1244.0	133.50
40	233.47	4.76	40	737.37	47.25	40	1252.8	135.35
50	241.81	5.10	50	745.85	48.34	50	1261.5	137.23
5	250.16	5.46	15	754.32	49.44	25	1270.2	139.11
10	258.51	5.83	10	762.80	50.55	10	1279.0	141.01
20	266.86	6.21	20	771.29	51.68	20	1287.7	142.93
30	275.21	6.61	30	779.77	52.89	30	1296.5	144.85
40	283.57	7.01	40	788.26	53.97	40	1305.3	146.79
50	291.92	7.43	50	796.75	55.13	50	1314.0	148.75
6	300.28	7.86	16	805.25	56.31	26	1322.8	150.71
10	308.64	8.31	10	813.75	57.50	10	1331.6	152.69
20	316.99	8.76	20	822.25	58.70	20	1340.4	154.69
30	325.35	9.23	30	830.76	59.91	30	1349.2	156.70
40	333.71	9.71	40	839.27	61.14	40	1358.0	158.72
50	342.08	10.20	50	847.78	62.38	50	1366.8	160.76
7	350.44	10.71	17	856.30	63.63	27	1375.6	162.81
10	358.81	11.22	10	864.82	64.90	10	1384.4	164.86
20	367.17	11.75	20	873.35	66.18	20	1393.2	166.95
30	375.54	12.29	30	881.88	67.47	30	1402.0	169.04
40	383.91	12.85	40	890.41	68.77	40	1410.9	171.15
50	392.28	13.41	50	898.95	70.09	50	1419.7	173.27
8	400.66	13.99	18	907.49	71.42	28	1428.6	175.41
10	409.03	14.58	10	916.03	72.76	10	1437.4	177.55
20	417.41	15.18	20	924.58	74.12	20	1446.3	179.72
30	425.79	15.80	30	933.13	75.49	30	1455.1	181.89
40	434.17	16.43	40	941.69	76.86	40	1464.0	184.08
50	442.55	17.07	50	950.25	78.26	50	1472.9	186.29
9	450.93	17.72	19	958.81	79.67	29	1481.8	188.51
10	459.32	18.38	10	967.38	81.09	10	1490.7	190.74
20	467.71	19.06	20	975.96	82.53	20	1499.6	192.99
30	476.10	19.75	30	984.53	83.97	30	1508.5	195.25
40	484.49	20.45	40	993.12	85.43	40	1517.4	197.53
50	492.88	21.16	50	1001.7	86.90	50	1526.3	199.82
10	501.28	21.89	20	1010.3	88.39	30	1535.3	202.12
10	509.68	22.62	10	1018.9	89.89	10	1544.2	204.44
20	518.08	23.38	20	1027.5	91.40	20	1553.1	206.77
30	526.48	24.14	30	1036.1	92.92	30	1562.1	209.12
40	534.89	24.91	40	1044.7	94.46	40	1571.0	211.48
50	543.29	25.70	50	1053.3	96.01	50	1580.0	213.86

39278

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10.5 PKing
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6' PKing
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333.54
6.41
327.13
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337.49
0.51
336.98
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344.11
3.52
340.89

86.16
14
72.16

12.34 / 10 x 6

P 1266-72

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.