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.

1815

CITY ENGINEER'S OFFICE

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to page # 74

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.

48 Curb Levels East Side Columbia 100' N Broadway

49 " " North " Broadway 100' E Columbia

74 Alley Blk 13 - Ocean Beach Park. X-Sec.

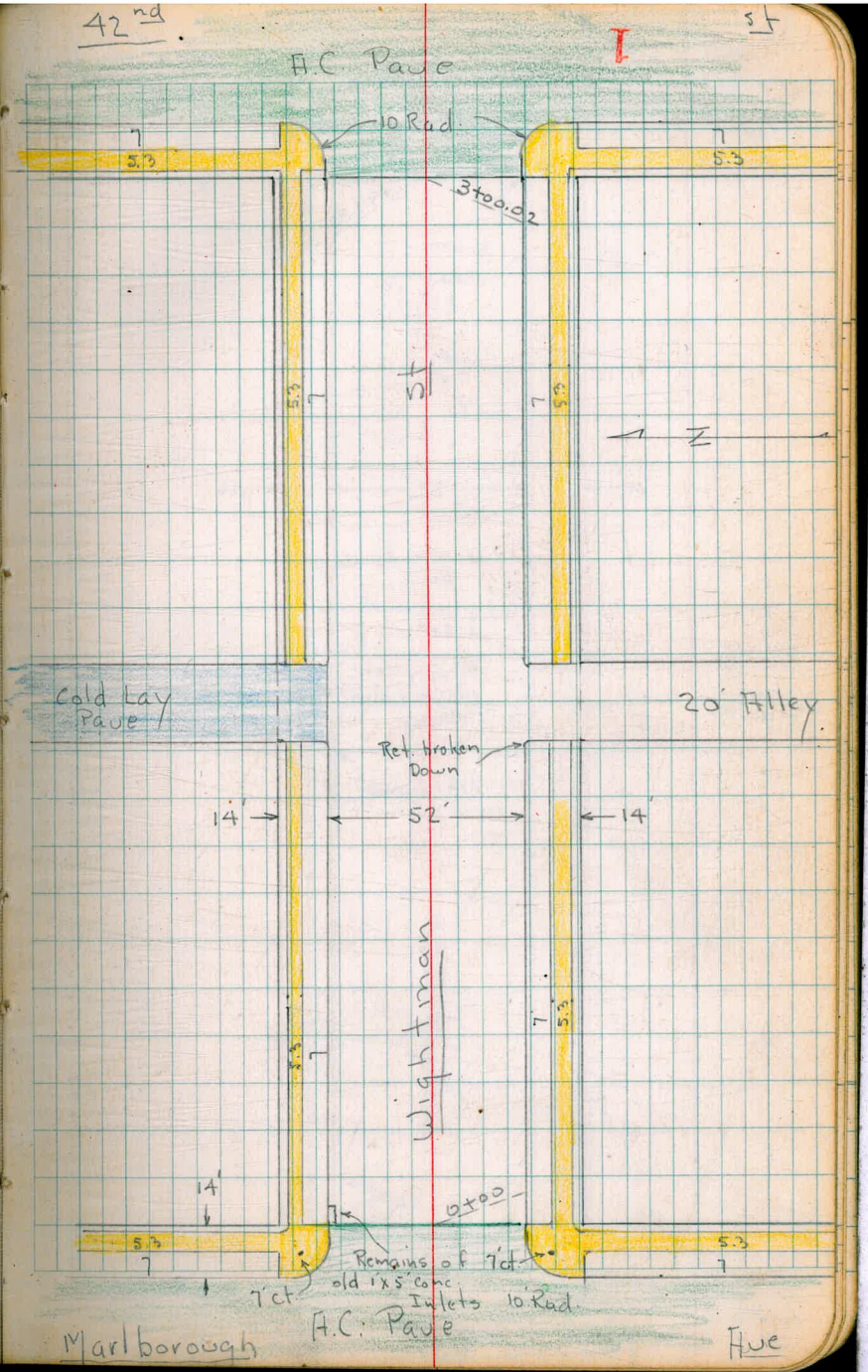
X-Sect. Wightman st.
from Marlborough to Fairmount.

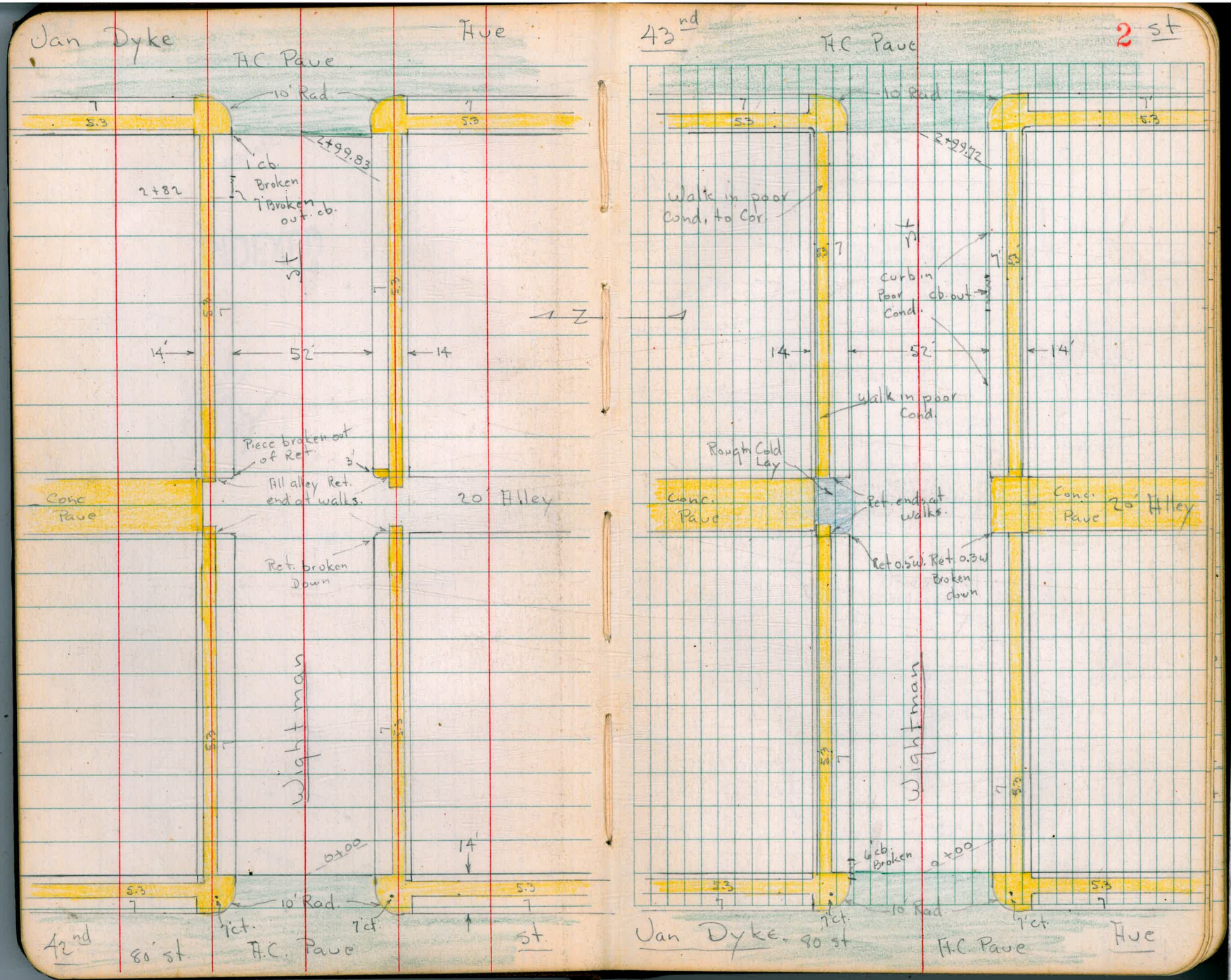
1927
W.O. 31459

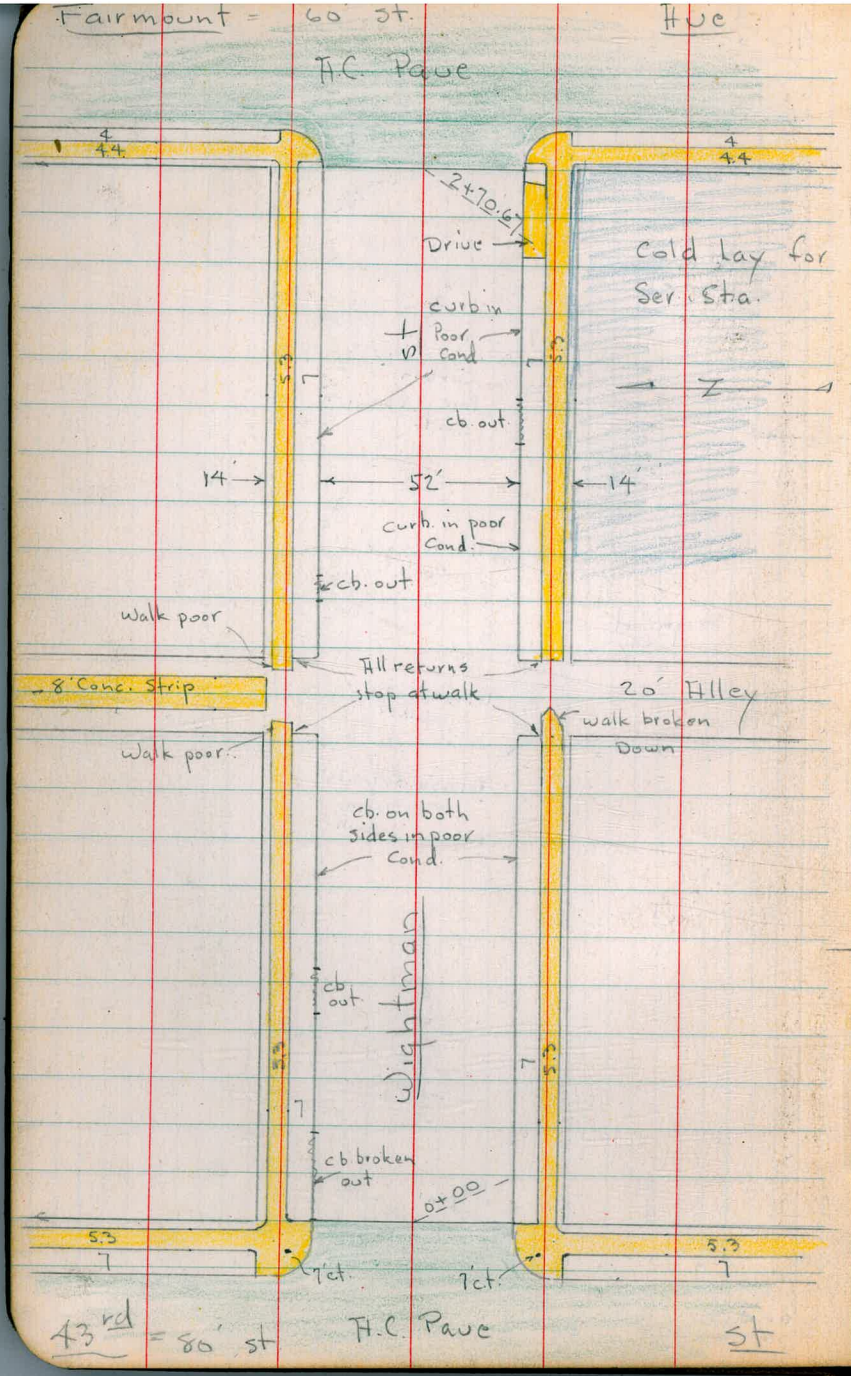
12-9-47
Osborne
Hardin
Smith
Worrell

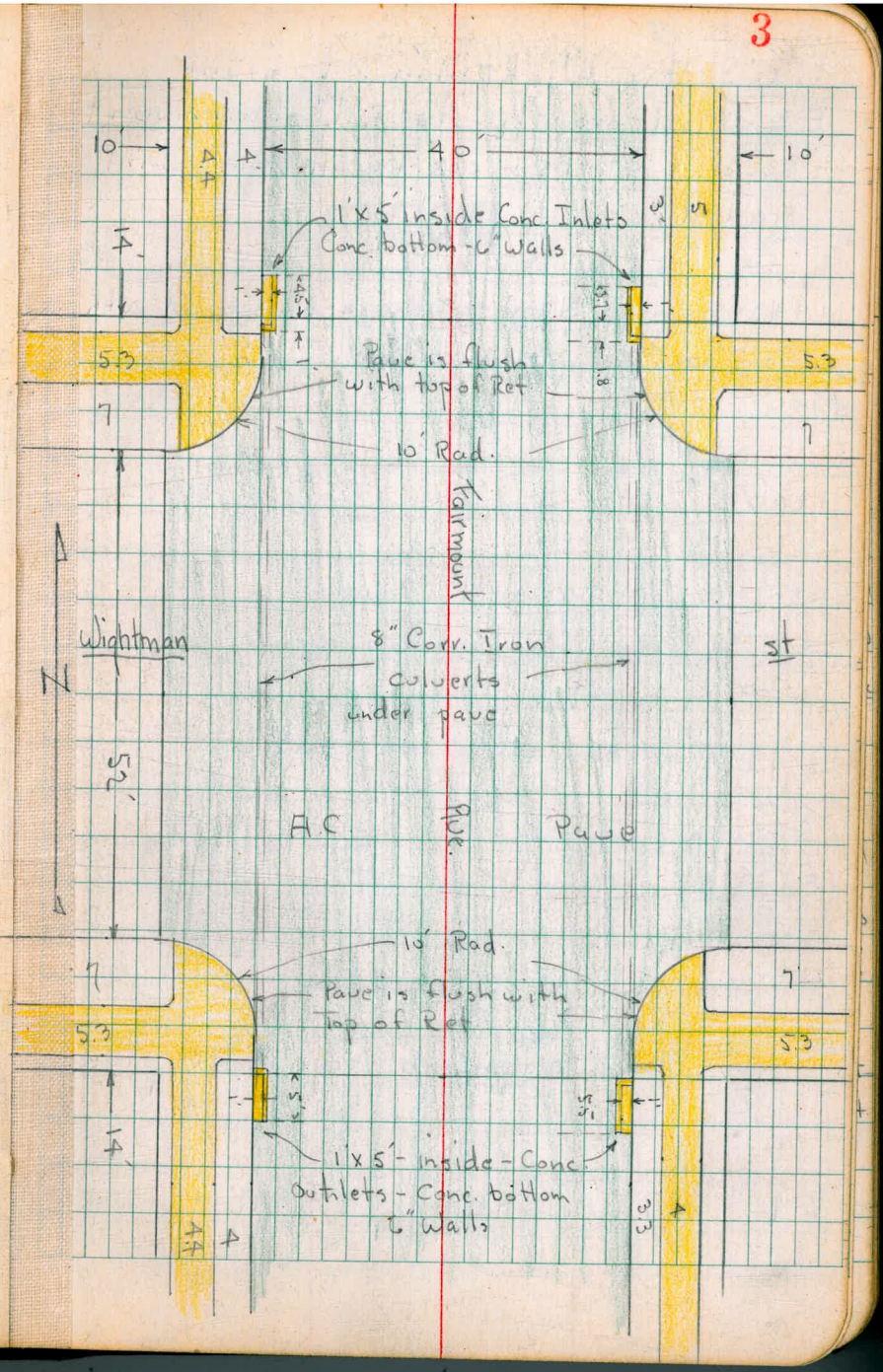
INDEXED

Indexed




Van Dyke
Hue
A.C Pave
10' Rad
7
5.3
1 cb.
2+99.83
2+82
Broken
7' Broken out cb.
14'
52'
14
Piece broken out of Ret.
All alley Ret. end at walks.
Conc Pave
20' Alley
Ret. broken Down
Lightman
0+00
14'
7 ict.
42nd
80' st.
A.C. Pave
st.
43rd
2 st
2+99.72
Walk in poor Cond. to Cor.
Curb in Poor Cond.
cb. out
Walk in poor Cond.
Rough Cold Lay
Ret. end at walks.
Ret. o.s.w.
Ret. 0.3w Broken down
6' cb. Broken
Van Dyke
80 st


Fairmount = 60' st.
Ave
A.C. Pave
4
4.4
2+70.6
Drive
curb in
Poor Cond
cb. out
14'
52'
14'
curb in poor Cond.
cb. out
walk poor
8' Conc. Strip
All returns stop at walk
20' Alley
walk broken Down
walk poor
cb. on both sides in poor Cond.
Wightman
cb. out
cb broken out
0+00
7'ct.
7'ct.
5.3
7
A.C. Pave
43rd = 80' st
st
Cold lay for Ser. Sta.
Z


10'
4'
40'
10'
1'x5' Inside Conc. Inlets Conc. bottom - 6" walls
Pave is flush with top of Ret
10' Rad.
Fairmount
Wightman
8" Corr. Iron Culverts under pave
st
N
A.C. Pave
10' Rad.
Pave is flush with top of Ret
1'x5' - inside - Conc Outlets - Conc. bottom 6" walls
5.3
7

X-Sect. - Wightman st. from E.L. Marlborough to E.L. Fairmount. 80' St. - 14' cbs. - cbs. + walks in - Dirt graded.

INDEXED

1+40 = W.L. 20' Alley - Alley on N. is paved with Cold Lay out to N. cb. Line.

1+00

0+67 = ℄ Conc. Dr. on Lt. 8' wide

0+60

0+35

0+00 = E.L. Marlborough - edge of H.C. pave.

BM. 7.78 354.87 347.09 Nw. Marb. + Wight.

Lt. = N. ℄ Rt. = S. 4

Indexed 92

350.47 4.40 50 edge ck.

350.00 4.87 40 Top + gut. - Pave end Rct.

349.79 5.08 26 Top 2' Rad.

349.2 5.7 26 gut

349.2 5.7 13

349.4 5.5

349.3 5.6 13

348.9 6.0 24 gut.

349.13 5.74 26 Top 2' Rad.

349.35 5.52 31 Brk.

349.39 5.48 40 Top + gut end Rct

348.77 6.10 33 walk

347.98 6.89 259 Dr.

347.18 5.69 25.8 Top

348.6 6.3 25.8 gut.

348.6 6.3 13

348.8 6.1

348.5 6.4 13

348.1 6.8 26 gut.

348.17 6.15 26 Top

348.57 6.30 25.9 Top

347.8 7.1 25.9 gut.

348.1 6.8 13

348.1 6.8

347.8 7.1 13

347.4 7.5 26 gut.

348.07 6.80 26 Top

348.15 6.72 26 top

347.4 7.5 26 gut

347.7 7.2 13

347.9 7.0

347.6 7.3 13

347.1 7.8 26 gut.

347.69 7.18 26 Top

347.61 7.26 259 Top

346.93 7.94 25.9 gut

347.11 7.76 13

347.24 7.63

346.99 7.88 13

348.6 8.25 25.9 gut.

347.05 7.82 25.9 Top.

354.87

Check BM 4.86 357.50 2.23 352.64

NW. B.P. 42nd & Wightman 352.57 Book

3+00.02 = W.L. 42nd - edge of A.C. Pave

2+80

2+63 = ℄ 9' Conc. Dr. on Lt.

2+40

2+13 = ℄ 9' Conc. Dr. on Rt. - poor Cond.

2+12 = Brk. in cb. on Lt.

2+00 = 1.5' E. of ℄ of 9' Conc. Dr. on Lt.

1+89 = Brk. in cb. on Rt.

1+60 = E.L. Filley

1+50 = ℄ Filley

Lt. ℄ Rt.

352.55 2.32 26 Top

351.87 3.00 26 gut

352.05 2.82 13

352.10 2.77

351.85 3.02 13

351.57 3.30 25.8 gut

357.02 2.85 25.8 Top

352.18 2.69 26 Top

351.7 3.2 26 gut

351.8 3.1 13

351.9 3.0

351.6 3.3 13

351.1 3.8 26 gut

351.69 3.18 26 Top

352.06 2.81 33 walk

351.49 3.38 259 Dr.

351.51 3.36 26 Top

350.9 4.0 26 gut

351.10 3.9 13

351.0 3.7

350.8 4.1 13

350.4 4.5 25.9 gut

351.07 3.80 259 Top

349.99 4.88 259 Dr.

350.77 4.10 33 walk

351.15 3.72 26 Top

351.02 3.85 33 walk

350.29 4.58 26 Dr.

350.4 4.5 13

350.4 4.5

350.7 4.7 13

349.9 5.0 26 gut

350.52 4.35 26 Top

350.37 4.50 26 Top

350.63 4.24 50 on c.l.

350.27 4.60 40 Top end

350.21 4.66 40 gut

350.19 4.69 26 Top 1 Rad.

349.6 5.3 26 gut

349.6 5.3 13

349.7 5.2

349.6 5.3 13

349.3 5.6 26 gut

349.74 5.13 26 Top 2 Rad.

349.93 4.94 40 Top+gut end.

351.45 3.42 80 on c.l.

349.31 4.56 50

349.80 4.99 40

349.72 5.65 26 edge CL Pave

349.9 5.5 13

349.5 5.4

349.5 5.4 13

349.7 5.7 26

349.9 5.5 40

350.16 4.43 80

354.87

0+73 = ℄ 7' Dirt Dr. on Lt. - 2- 2' Conc. strips out to 26.2 Lt. (cb. broken out.)

0+60

0+50 = ℄ 10' Dirt Dr. on Rt. - cb. broken out.

0+38 = ℄ 8' Dirt Dr. on Lt. - cb. broken out.

0+20

86' E. = E.L. 42nd = 0+00 ahead.

66' E. = E. cb. - cross gut.

353.16
4.34
120
Top

40' E. = ℄

14' E = W. cb. 42nd - cross gut.

352.93 352.37
4.57 5.13
100 100
Top gut

Rt 6

353.45 352.90 Lt. ℄
4.05 4.60
33 26.2
walk end of Conc. strips

353.32 352.6 352.9 353.1 352.7 352.2 352.94
4.18 49 4.6 4.4 4.8 5.3 4.56
25.8 25.8 13 13 26 24
gut Top

353.01
352.2
5.3
26
Dirt-Dr.
4.49
33
walk

353.37
4.13
33
walk

352.60
4.90
25.8
Dr - Bottom of cb.

353.02 352.3 352.5 352.7 352.4 351.9 352.55
4.48 5.2 5.0 4.8 5.1 5.6 4.95
25.8 25.8 13 13 26 26
Top gut. gut. Top

352.89 352.23 352.31 352.36 352.22 351.87 352.55
4.61 5.27 5.19 5.14 5.28 5.63 4.95
25.8 25.8 13 13 26 26
Top gut gut. Top

352.60 352.98 352.44 352.86 352.31 352.22 352.06 351.94 351.84 351.77 351.80 352.43 351.39 351.95
4.90 4.52 5.96 4.64 5.19 5.29 5.44 5.56 5.66 5.73 5.70 5.07 6.11 5.88
100 65 65 40 40 26 13 13 26 40 40 65 65
gut Top gut Top gut gut. Top gut. Top

353.21 352.96 352.78 352.64 352.50 352.39 352.34 352.03
4.29 4.54 4.72 4.86 5.00 5.11 5.16 5.47
100 65 40 26 26 40 65

352.64 352.05 352.60 352.03 351.90 351.68 351.72 351.52 351.54 351.34 352.07 351.02 351.68
4.86 5.45 4.90 5.47 5.60 5.82 5.78 5.98 5.96 6.16 5.43 6.48 5.86
65 65 40 40 26 13 13 26 40 40 65 65
Top gut Top gut gut. Top gut. Top

357.50

1+60 = E.L. Alley

1+59 = Beg. walk on Lt. - poor cond.

1+56.3 = Beg. walk on Rt. - poor Cond. to Alley line

1+50 = ℄ Alley

1+44.2 = end of walk on Rt.

1+43.2 = end of walk on Lt.

into alley but in poor Cond.

Note Ret. on Rt. broken down & walks extend

1+40 = W.L. 20' Alley - Conc. pave in Alley to N.

1+31 = Brk. in cb. on Rt.

1+11 = Brk. in cb. on Rt.

T.P. 578 359.05 423 353.27

1+00

Lt ℄ Rt

354.28 354.05 353.96
4.77 5.00 5.09
65 38.1 38.1
edge Conc. edge walk

353.80 353.60 353.58 353.2 353.2 353.3 353.3 352.9 353.49 353.69 353.69
5.25 5.45 5.47 5.8 5.8 5.7 5.7 6.1 5.56 5.41 5.36
32.8 32.8 26 26 13 13 26 26 33 38.3
edge walk end Ret. Top 1' Rad gut. Top 1' Rad. end Ret walk

353.85 353.80
5.20 5.25
38.1 32.8
Beg. walk

353.92 353.98
5.63 5.57
33 38.3
end walk

354.05 353.75 353.4 353.2 353.2 353.1 352.9 353.4
5.02 5.30 5.6 5.8 5.8 5.9 6.1 5.6
65 38.3 26 13 13 26 40
edge Conc.

353.19 353.20
5.86 5.85
33 38.3
end walk

353.92 353.60
5.13 5.45
38.3 33
end walk

edge Pave

354.32 353.91 353.77 353.61 353.1 353.3 353.3 353.1 352.6 353.08 353.42 353.43
4.73 5.14 5.33 5.44 5.9 5.7 5.7 5.9 6.4 5.97 5.63 5.62
65 38.3 33 25.8 25.8 13 13 26 26 33 38.3
walk end of Ret. Top i Rad gut. gut. end ret walk

Top - i Rad. Ret. - broken down

edge of Conc. Pave

353.25
5.80
26
Top

352.97
6.08
26
Top

359.05

353.43 352.8 353.1 353.2 352.9 352.3 352.98
4.07 4.7 4.4 4.3 4.6 5.2 4.52
25.9 25.9 13 13 26 26
Top gut. gut. Top

357.50

14' ℄ = w. cb. = cross gut.

354.79 354.32
4.26 4.73
100 100
Top gut

Rods on W.L. .6 W. of W.L. at s. cb.

2+99.83 = W.L. Van Dyke - edge of A.C. Pave

2+89 - end broken cb. on Lt.

2+82 - Beg. cb. broken on Lt.

2+80

2+62 = ℄ 9' Conc. Dr. on Lt.

2+40 = ℄ 11' New Conc. Dr. on Rt.

2+16 = ℄ 10' Dr. on Rt. - Dr. sect. in cb. - Dirt to walk

2+00

1+96 = ℄ 10' Dirt Dr. on Lt. - cb. broken out.

1+65 - Brk. in cb. on Lt.

Lt. ℄ Rt. 8

354.73	354.15	354.62	354.09	353.93	353.85	353.82	353.70	353.65	353.56	354.44	353.17	353.67
4.32	4.90	4.43	4.96	5.12	5.20	5.23	5.35	5.40	5.49	4.91	5.88	5.38
65	65	40	40	26	13		13	26	40	40	65	65
Top	gut	Top	gut						gut	Top	gut	Top

354.53	353.87	354.07	354.20	353.99	353.67	354.11
4.52	5.18	4.98	4.85	5.06	5.38	4.94
25.8	25.8	13		13	26	26
Top	gut				gut.	Top

354.39	353.7	354.0	354.0	353.8	353.4	353.88
4.66	5.3	5.0	5.0	5.2	5.6	5.17
25.9	25.9	13		13	26	26
Top	gut				gut	Top

353.47	353.73
4.58	5.32
33	25.9
walk	Dr.

354.17	353.6	353.7	353.7	353.4	353.15	353.74
4.88	5.4	5.3	5.3	5.6	5.90	5.31
25.9	25.9	13		13	26	33
Top	gut				Dr.	walk

353.09	353.69
5.96	5.36
2-	33
on Dr.	walk
Sect	

354.20	353.8	353.6	353.5	353.6	353.7	353.72	354.18	353.8
4.85	5.2	5.4	5.5	5.4	5.8	5.33	4.87	5.2
33	26	13		13	26	26	33	26
walk	in Dr.				gut	Top	walk	Dr. - dirt

359.05

T.P.	4.77	358.88	4.94	354.11
1+00				

0+93 = ℄ 14' Conc. Dr. on Lt.
0+80 = ℄ 1' broken cb on Lt.
(note: - extra Conc. slab poured in gut.
0+60 = 2' W. of ℄ of 9' Conc. Dr. on Rt.
0+48 = ℄ 2' Broken cb. on Rt.
0+45 = End. broken cb. on Lt.
0+25 = Beg. cb. broken on Lt.
0+20
0+19 = ℄ 1.5' broken cb on Rt.

End cb broken 0+2.5' Pave

80' E. = E.L. Van Dyke = 0+00 ahead = edge of AC.

check B.M.	N.W. Van Dyke	4.40	354.65 ✓	354.61

66' E. = E. cb. = Cross gut.

			354.99	354.45
			4.06	4.60
			100	100
			Top	gut

40' E. = ℄

Lt. ℄ Rt.

354.23	353.8	353.9	353.9	353.8	353.3	353.91
4.82	5.2	5.1	5.1	5.2	5.7	5.14
25.9	25.9	13		13	26	26
Top	gut				gut	Top

354.35	353.800
4.70	5.17
33	25.9
walk	Dr.

354.33	353.7	354.0	354.1		353.9	353.63	353.98
4.72	5.3	5.0	4.9		5.1	5.42	5.07
26	26	13			13	26	33
Top	gut					on conc. slab in Dr.	walk

354.47	353.8	354.1	354.1	353.9	353.6	354.14
4.58	5.2	4.9	4.9	5.1	5.4	4.91
25.9	25.9	13		13	26	26
Top	gut				gut	Top

354.62	354.04	354.14	354.24	354.13	353.69	354.17
4.43	5.01	4.91	4.81	4.92	5.36	4.88
25.8	25.8	13		13	26	26
Top	gut				gut	Top

354.93	354.29	354.69	354.14	354.03	353.84	353.85	353.69	353.67	353.56	354.19	353.30	353.77
4.12	4.76	4.36	4.91	5.02	5.21	5.20	5.36	5.38	5.49	4.86	5.85	5.28
65	65	40	40	26	13		13	26	40	40	65	65
Top	gut	Top	gut						gut	Top	gut	Top

355.25	355.06	354.94	354.82	354.58		354.42	354.31	353.95
3.80	3.99	4.11	4.23	4.47		4.63	4.74	5.10
100	65	40	26			26	40	65

359.05

2+40

2+34 = End cb broken out on Rt. - cb. in poor Cond. ahead.

2+21 = Beg. cb. broken out on Rt.

2+15 = Brk. in cb. on Lt.

2+00

1+60 = E.L. Alley = Beg walk on Lt in poor Cond. 354.63 4.25 65

1+50 = ℄ Alley

Line - out.

1+44 = end of walk on Lt. - poor cond. from Alley

Ret. on Rt. is 0.3' W. of line

+out to cb. on Rt. - Alley Ret. on Lt. is 0.5 W. of line

1+40 = W.L. Alley - Conc. pave on Lt. to line out 4.21 65 354.67

1+35 = end Broken cb. on Lt.

1+25 = Beg broken cb. on Lt.

1+15 = Brk. in cb. on Rt.

	Lt.			℄	Rt.		
353.54	353.1	353.3	353.4	353.2	352.9	353.41	
5.34	5.8	5.6	5.5	5.7	6.0	5.47	
25.8	25.8	13		13	26.2	26.2	
Top	gut				gut	Top	
353.61							
5.27							
25.8							
Top							
353.80	353.3	353.4	353.4	353.3	353.0	353.47	
5.08	5.6	5.5	5.5	5.6	5.9	5.41	
25.8	25.8	13		13	26.1	26.1	
Top	gut.				gut.	Top	
354.28	354.11	354.08	353.92	353.5	353.7	353.7	353.7	353.35	353.58	353.92	353.66	354.00	353.84	354.06
4.60	4.77	4.80	4.96	5.4	5.2	5.2	5.2	5.53	5.30	5.06	5.22	4.88	5.04	3.82
39	38.3	33	25.8	25.8	13		13	25.8	25.8	33	33	40	40	60
edge Conc.	walk	↑ end Ret	Top	gut.				gut = Top 1' edge Conc.		Top	gut	Top	gut.	
			1' Rad.					Rad.						
354.33	354.00	353.6	353.7	353.9	353.8	353.34	353.82	354.91
4.55	4.88	5.3	5.2	5.0	5.1	5.54	5.06	3.97
65	39	26	13		13	25.8	40	60
	edge Conc.					edge of Conc		
354.18	354.00							
4.70	4.88							
38.3	33							
	end walk							
354.42	354.37	354.30	354.02	353.6	353.7	353.9	353.8	353.25	353.69	354.01	353.60	354.11	353.81
4.46	4.51	4.58	4.86	5.3	5.2	5.0	5.1	5.63	5.19	4.87	5.18	4.77	5.07
39	38.3	33	26	26	13		13	25.8	25.8	33	33	40	40
edge Conc. Pave	walk	end Ret edge of walk.	Top 1' Rad. Ret	gut.				edge of Conc. pave	Top 1' Rad.	Top	gut	Top	gut
												353.14	
												5.09	
												26	
												Top	

358.88

poor Cond.

Beg. cb on Lt. - broken out + cb. on Rt. = in

80' E. = E.L. 43rd = 0+00 ahead = edge of H.C. Pave

66' E. = E. cb.

40' E. = ℄

14' E. = W. cb. = Cross gut.

2+99.72 = W.L. 43rd = edge of H.C. pave

Check BM. 4.67 358.36 5.19 353.69 NW. 43rd 353.57

2+80

2+68 = Brk.in cb. on Rt.

Lt. ℄ Rt.

353.72		353.36		353.45		353.50			353.35		353.18		353.38
4.64		5.00		4.91		4.86			5.01		5.18		4.98
25.7		25.7		13					13		25.9		25.9
Top		gut.									gut.		Top.

354.22	353.64	353.78	353.30	353.26	353.17	353.15	353.13	353.05	352.83	353.37	352.67	353.15
4.14	4.72	4.58	5.06	5.10	5.19	5.21	5.23	5.31	5.53	4.99	5.69	5.21
65	65	40	40	26	13		13	26	40	40	65	65
Top	gut.	Top	gut.						gut.	Top	gut.	Top

354.22	353.83	353.70	353.47	353.42	353.40	353.34
4.14	4.53	4.66	4.89	4.94	4.96	5.02
65	40	26		26	40	65

353.94	353.28	353.62	353.18	353.08	352.96	352.89	352.84	352.78	352.72	353.18	352.[illegible]	352.95
4.42	5.08	4.74	5.18	5.28	5.40	5.47	5.52	5.58	5.64	5.18	5.85	5.41
65	65	40	40	26	13		13	26	40	40	65	65
Top	gut.	Top	gut.						gut.	Top	gut	Top

353.47	353.13	353.04	353.06	353.01	352.89	353.22
4.89	5.23	5.32	5.30	5.35	5.47	5.14
25.7	25.7	13		13	25.9	25.9
Top	gut.				gut.	Top

358.36

353.42	352.9	353.2	353.0	352.9	352.8	353.22	353.10
5.46	6.0	5.7	5.9	6.0	6.1	5.66	5.78
25.7	25.7	13		13	26.3	26.3	26.2
Top	gut.				gut.	Top	Top

358.88

(dip sect.)

1+30.6 = W. side of 8' Conc. strip in Alley on Lt.

1+

1+27.2 = end of walk on Lt.

Ret. on Lt. = 0.4 W. of Line - Ret on Rt. = 0.5 W. of Line of walk - both sides

1+25 = W.L. 20' Alley - Returns stop at outside

T.P.	5.07	359.05	4.38	353.98

1+00

0+86 = Brk. in cb. on Rt.

0+76.5 = end cb. out on Lt. - Beg. poor cond.

0+60 = 3' W. of ℄ of 9' Conc. Dr. on Rt.

0+58.5 = Beg. cb. broken out on Lt.

0+57 = Brk. in cb. on Rt. - Between Drives

0+52 = ℄ 9' Conc. Dr. on Rt.

0+35.5 = end cb. out on Lt. - beg. poor cond.

0+20

Lt ℄ Rt

12

354.68 / 4.37 / 65 — 354.33 / 4.72 / 39.7 = edge Conc.

354.58 / 4.47 / 38.1 walk — 354.39 / 4.66 / 32.8 end walk

354.65	354.50	354.37	353.8	354.2	354.0	353.9	353.4	353.80	354.09	354.10
4.40	4.55	4.68	5.2	4.8	5.0	5.1	5.6	5.25	4.96	4.98
38.1	32.8	25.7	25.7	13		13	26.1	26.1	33.2	38.6
walk	end ret. at walk	Top 1' Rad.	gut.				gut.	Top 1' Rad.	end of Ret at walk	walk

359.05

354.30	354.21	353.7	354.0	354.3	353.8	353.6	353.84	353.95
3.98	4.15	4.7	4.4	4.4	4.6	4.8	4.52	4.41
33	25.8	25.8	13		13	26.2	26.2	33.2
walk	Top	gut.				gut.	Top	walk

354.04 / 4.32 / 26 / Top

354.15	353.94	353.5	353.7	353.8	353.6	353.46	355.04
4.21	4.42	4.9	4.7	4.6	4.8	4.96	33.2
32.9	25.7	25.7	13		13	26 in Dr.	33
walk	approx Top	gut.					walk

353.68 / 4.68 / 26 / Top — 352.25 / 5.11 / 26.2 Dr. — 353.79 / 4.57 / 33.2 walk

353.91	353.77	353.3	353.5	353.4	353.4	353.0	353.49	353.59
4.45	4.59	5.1	4.9	5.0	5.0	5.4	4.87	4.79
33	25.8	25.8	13		13	26	26	33
walk	approx Top	gut.				gut.	Top	walk

358.36

2+04 = end cb. out on Rt.

1+99 = ℄ 10' Conc. Dr. on Lt.

1+96 = Beg. cb. broken out on Rt.

1+80

1+67 = Brk. in cb on Lt.

1+65 = end broken cb. on Lt.

1+58 - Beg. cb. broken out on Lt.

1+57 = Brk. in cb on Rt.

of walk

1+45 = E.L. Alley - Both returns stop at outside

1+44.5 - 5.5 Rt = ℄ M.H. 4.73 on Rim

1+40.8 = Beg. walk on Lt. - poor cond. to alley

1+38.6 = E. side of Conc. strip on Lt.

1+35 = ℄ Alley

1+32.3 = end of walk on Rt - Covered by dirt + Broken down from Alley line

Lt. ℄ Rt.

355.00	354.34											
4.05	4.71											
33	25.7											
walk	Dr.											
		354.85	354.7	354.3	354.3	354.1	353.9		354.31		354.42	
		4.20	4.8	4.7	4.7	4.9	5.1		4.74		4.63	
		25.9	25.9	13		13	26.2		26.2		38.2	
		Top	gut.				gut		Top		walk	
354.93												
4.12												
25.7												
Top												
											354.39	
											4.66	
											26.1	
											Top	
354.76	354.81	354.58	354.1	354.1	354.1	354.0	353.7	354.16	354.29		354.34	
4.29	4.24	4.47	4.9	4.9	4.9	5.0	5.3	4.89	4.76		4.71	
38.3	33	25.8	25.8	13		13	25.9	25.9	33		38.3	
	walk	Top	gut.				gut.	Top	end of		walk	
	+ end of Ret.	i Rod.						i Rod.	Retat			
		354.70		354.81					walk			
		4.35		4.24								
		38.3		33								
		- end walk										
354.70	354.53											
4.35	4.52											
6.5	39.7											
	edge Conc.											
354.48	354.19	353.9	354.1	354.1			353.9	353.6	354.4			
4.57	4.86	5.1	4.8	4.9			5.1	5.4	4.6			
6.5	39.7	26	13				13	26	40			
	edge Conc.										353.68	
											5.37	
											34.7	
											end walk	

359.05

Location of Inlets.

10' E = W. cb. - See sketch P. 3 for actual

Rods on ℄ of Returns (prop. to prop.

Check BM 4.83 360.15 3.73 355.32 355.33 (NW. Fairmont)

2+70.67 = W.L. Fairmount - edge of A.C. Pave

2+62.5 = Top of cb. at E. edge of Dr. on Rt.

2+60 - in Dr. on Rt.

2+50

2+34 = in Dr. on Rt.

2+32 = Top of cb. at W. edge of Conc. Dr. to Ser. Sta. on Rt.

2+20

Lt. ℄ Rt.

354.78	355.41	354.55	354.41	355.31	355.14	355.07	355.03	354.85	354.77	354.82	353.78	353.81	354.59	353.93
5.37	4.74	5.60	5.74	4.84	5.03	5.08	5.12	5.30	5.38	5.33	6.37	6.34	5.56	6.22
65	65	45	40	40	26	13		13	26	40	40	45	65	65
gut.	Top	F.L.	F.L. inlet	Top						Top	F.L. outlet.	F.L.	Top	gut.

N.W. Ret. 355.25 4.90 ℄ Top + pave

354.77 5.38 S.W. Ret ℄ Top + pave

360.15 ✓

355.09	354.88	354.93	354.91	354.65	354.46	354.76
3.96	4.17	4.12	4.14	4.40	4.59	4.29
25.6	25.6	13		13	26	26
Top	gut.				gut.	Top

				354.24	354.86	354.75
				4.81	4.19	4.30
				26.1	33.3	26.1
				Dr.	walk	Top

355.06	354.6	354.9	354.8	354.4	354.20	354.76
3.99	4.4	4.1	4.2	4.6	4.85	4.29
25.7	25.7	13		13	26.1	33.3
Top	gut.				Dr.	walk

					354.15	354.72	
					4.90	4.33	354.71
					26.1	33.2	4.33
					Dr.	walk	26.1
							Top

354.49	354.6	354.7	354.6	354.3	354.0	354.446	354.62
4.13	4.4	4.3	4.4	4.7	5.0	4.59	4.43
25.7	25.7	13		13	26.2	26.2	33.2
Top	gut.				gut.	Top	walk

359.05

12-11-47 - 7.0.

Rest in another Book

60' E. = E.L. of Fairmount = edge of F.C. Pave

Rods on ℄ of Rets.

50' E. = E. cb.

30' E. = ℄ Fairmount

Lt. ℄ Rt.

355.40	355.25	355.10	355.15	354.86	354.68	354.97
4.75	4.90	5.05	5.00	5.29	5.47	5.18
25.8	25.8	13		13	26.2	26.2
Top	gut				gut	Top

355.45 — N.E. Ret. 4.70 ℄ Top + pave

354.89 — 5.26 ℄ Top + pave — S.E. Ret

355.05 — 5.10 — 65 — gut.

355.57	354.61	354.55	355.41	355.38	355.18	355.12	354.94	354.87	354.94	354.02	354.06	354.74	354.08
4.58	5.54	5.60	4.74	4.77	4.97	5.03	5.21	5.28	5.21	6.13	6.09	5.41	6.07
65	45	40	40	26	13		13	26	40	40	45.5	65	65
Top	F.L.	F.L.	Top						Top	F.L.	F.L.	Top	gut
		Inlet								outlet			

355.67	355.52	355.45	355.24	355.03	354.95	354.73
4.48	4.63	4.70	4.91	5.12	5.20	5.42
65	40	26		26	40	65

360 .15

X-Sect. 20' Alley in Blk. 5 - Mt. View

1976

W.O. 31459
25001

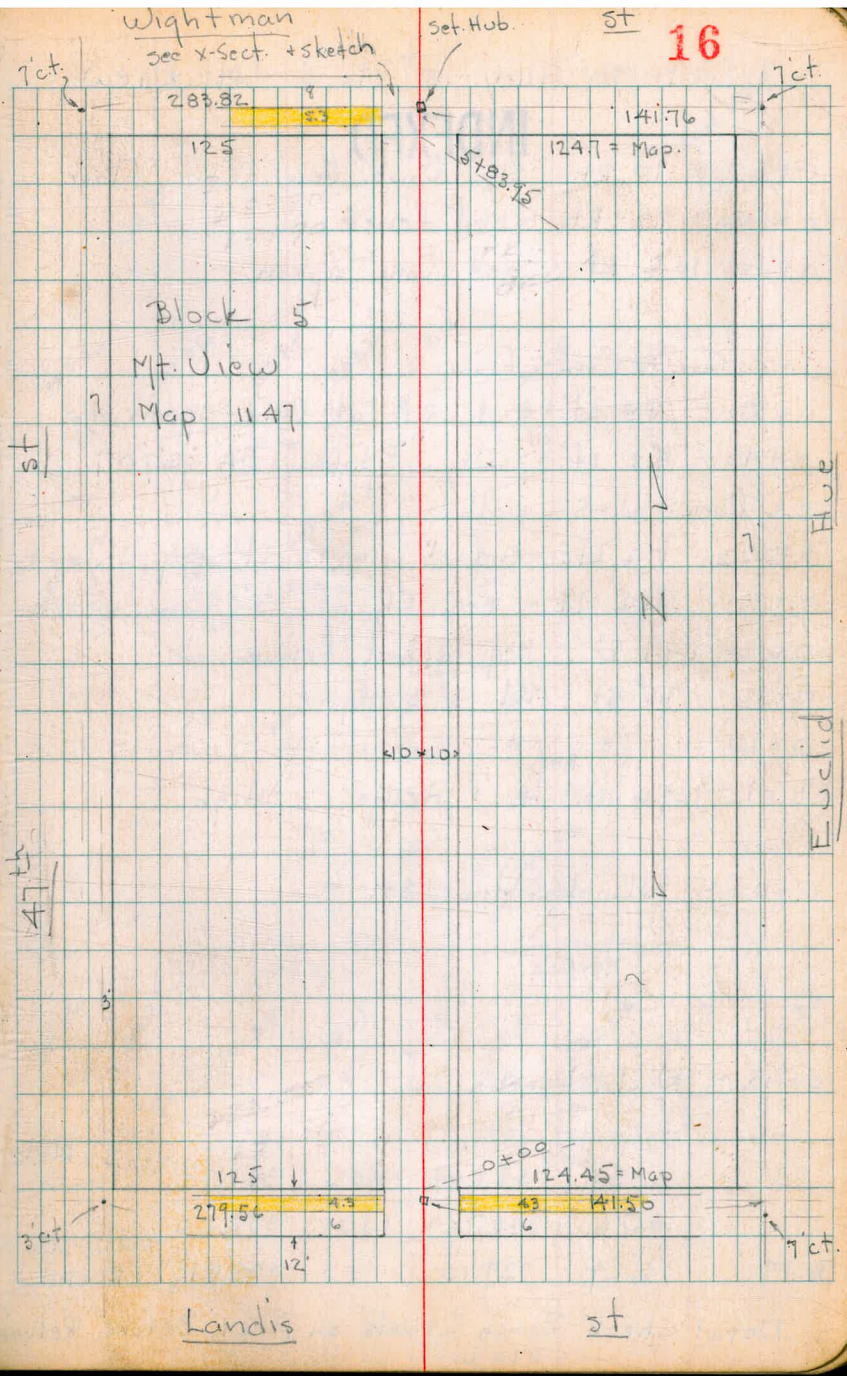
INDEXED

1-5-48
Osborne
Hardin
Worrell

Indexed

Note LANDIS B.M's ave .10 ± Higher than Wightman - LANDIS Use Here.

Notes Reduced 1-21-48 Wheevy



X-Sect. 20' Alley in Blk. 5 - Mt. View

INDEXED

0+68 - 10' Rt. = Sly. Doub. Gar. - Conc. floor
0+68 - 9.2 Rt. = end fence
0+60 - 10.6 Rt = end Conc. apron

Sing. Gar - Conc. floor
0+50 - 12' Lt. = end walk at Conc. apron to
0+40 - 9.8 Lt. = Wly. Pipole # P.A. 3707
22 Conc. N. + S. walk
0+36.5 - 11.2 Lt. = end porch + 12' Lt. = Beg Ely. of
0+30 - 11.2 Lt. = Beg. Ely. of 3' Conc. porch
0+16 - 9.1 Rt. = Beg picket fence
0+16 - 9.6' Rt. = end ℄ Hedge
0+10
0+01 - 9.6 Rt. = Beg ℄ 1' Hedge - 3' High

0+00 = N.L. Landis St.

0-12 = N. cb. Landis

	6 34	348.04	5.06	341.70	N. 3' Nub Landis
	8.76	346.76	1.10	338.00	
B.M.	6.29	339.10		332.81	N.W.P.P. Dwight + Euclid

Note: Check Bench Levels on P. 21 Before Reducing
0.10 Diff.

17

Lt. = W. ℄ Rt. = E.

344.46
3.58
10
floor

343.31
4.73
10.6

343.50
4.54
14.2
floor
Gar.

343.36
4.68
12
walk

343.24
4.80
10.6
Cor. apron

343.2
4.8
10

343.2
4.8

343.6
44
10

343.5
4.5
15

343.22
4.82
14.2
floor
House

343.11
4.93
11.2
Top conc.

343.04
5.00
11.2
edge porch + walk

342.8
5.2
10

342.7
5.3

343.1
4.9
10

342.9
5.1
15

342.10
5.94
10.2
Top + gut.
end Ret.

342.3
5.7

342.48
5.56
10
Top + gut.
end ret.

341.36
6.68
45
Top

340.7
7.3
45
gut

341.85
6.19
10
2' Top
2' Rad.

341.1
6.9
10
gut

341.5
6.5

341.6
6.4
10
gut

342.24
5.80
10
Top
2' Rad.

342.3
5.7
50
gut

342.80
5.16
50
Top

348.04

2+00

1+95 = ℄ Sing. Gar. on Rt. - Conc. floor + apron
1+82 - Nly. Gar. + apron

1+63 = Sly. Doub. Gar. on Lt. - Conc. floor + apron

1+50 - House on Rt.

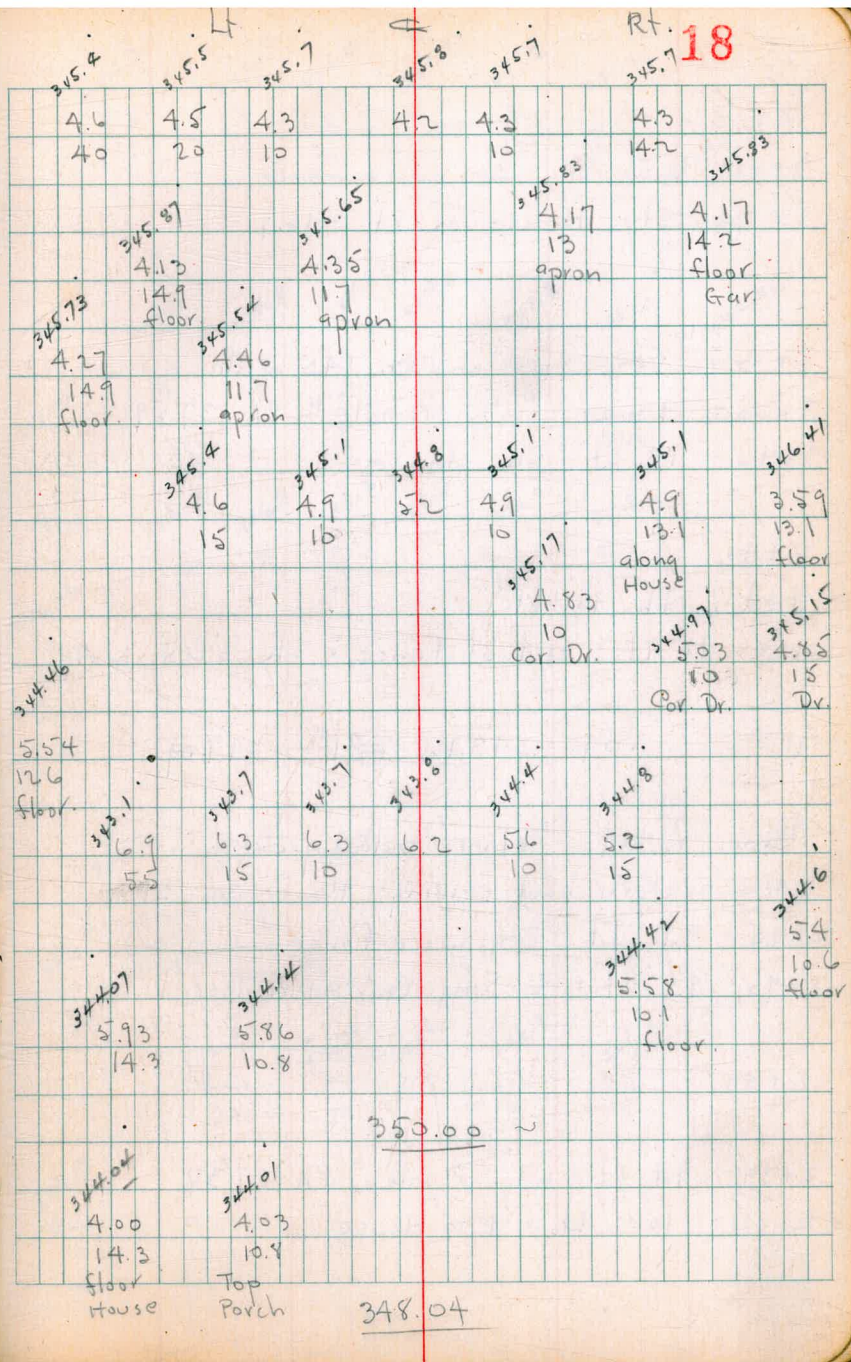
1+46.5 - 10' Rt. = Nly Conc. Dr.
1+34 - 10' Rt. = Sly. Conc. Dr. to Gar. in rear.
1+33 - 9.7 Lt. = Wly. P. pole ≈ P.A. 3721
1+27 - 12.6 Lt. = ℄ Sing. Gar. - Conc. floor

1+00

0+89 - 10.6 Rt. = ℄ Sing. Gar. - dirt floor
0+83 - 10.1 Rt = Nly. Gar.
0+82.5 - 10.8 Lt. = Nly. Conc. porch

T.P.	6.42	350.00	4.46	343.58

0+73 - 10.8' Lt. = Sly. 35' Conc. porch to House



4+00 - 9' Lt. = fence
3+85 - 9.5' Lt. = Beg wire fence
3+74 = Sly. House on Rt. - 16.7

3+70 - Sly. Conc. slab on Rt. 4.5' wide
3+60 - 9.9' Lt. = Wly. P. pole # PA 3759
3+46 - 14' Lt. = Sly. House

3+40
shed with toilet
3+28 - 9.9 Lt. = end of fence + Sly. of 5' Wood

T.P. 1.07 348.16 2.91 347.09

Conc. found. - floor - below ground.
3+00 - Very low ceiling House on Lt. -
2+95 - 9.1 Lt. = Beg wire fence
2+90 - 9.8' Lt. = ℄ Sing. Grar. - Dirtfloor.

2+50

2+34 - 9.4' Lt = Wly. P. pole # PA 3737
2+26 - 10.2 Lt. = ℄ 15' House

Lt. ℄ Rt.

342.7 5.5 15
342.3 5.9 10
341.4 6.8 6
341.2 7.0
341.3 6.9 10
341.2 7.0 16.7 along House
343.12 5.04 16.7 floor

344.6 3.6 14
344.8 3.4 10
344.3 3.9 6
344.0 4.2
343.8 4.4 10
343.61 4.55 12.4 Conc. slab.
342.96 5.20 20 on slab

347.76 0.90 14 floor
346.3 1.9 15
346.8 1.4 10
346.3 1.9 6
346.1 2.1
346.0 2.2 10
344.2 4.0 30

346.86 1.30 9.9 floor shed

348.16

346.70 3.30 15.3 floor House
346.95 3.05 15.3 along House = Top conc. found.
347.2 2.8 10
347.1 2.9
347.3 2.7 10
346.7 3.3 17.6 along House
348.24 1.76 17.6 floor

346.4 2.6 9.8

346.0 4.0 30
346.0 4.0 10
346.1 3.9
346.3 3.7 10
346.3 3.7 15

346.13 3.87 10.2 floor
345.9 4.1 10.2 ground

350.00

T.P.	5.32	345.21	8.27	339.89	Hub. -7' = 5+90.95

5+45 - 32' Rt. = ℄ Small House
5+41 10' Lt. - end fence
5+30 = Drainage problem

5+17 - 14.9' Rt. = ℄ Sing. Gar. - dirt floor - unused.
5+09 - 9.9' Lt. = Beg. wire fence

5+00

4+90 - 10.3 Lt. = ℄ House
4+82 - 9.3 Lt. = Wly. P pole # P.A. 3783
4+84 - 10.2 Lt. = end fence
4+70 = Sly. House on Rt. - 12.6

4+65 = ℄ Sing. Gar. on Rt. - Conc. floor + apron

4+53 - 12.6' Rt. = ℄ 11' Shed - Toilet Conc. floor +

4+40 - cuts show low drainage along Euclid.
4+24.5 - 11' Lt. = ℄ 2' Conc. walk
4+23 - 10' Lt. = fence
4+12 - 14.1 Rt. = Sly. Small House

338.6 / 9.6 / 15 — 338.1 / 10.1 / 10 — 337.8 / 10.4 — 337.7 / 10.5 / 10 — 337.4 / 10.8 / 15 — 337.1 / 11.1 / 32 ground — 338.61 / 9.55 / 32 floor
337.1 / 11.1 / 40 Low spot.
337.4 / 10.8 / 149 floor.

338.34 / 9.82 / 10.3 floor — 338.0 / 10.2 / 10.3 ground — 339.2 / 9.0 / 40 — 338.1 / 10.1 / 15 — 337.9 / 10.3 / 10 — 337.8 / 10.4 — 337.7 / 10.5 / 10 — 337.6 / 10.6 / 12.4 along House - Conc. found.

338.1 / 10.1 / 15 — 338.2 / 10.0 / 10 — 338.0 / 10.2 — 338.0 / 10.2 / 10 — 338.0 / 10.2 / 12.6 ground — 338.31 / 9.85 / 12.6 floor

338.04 / 10.12 / 9.2 apron — 338.06 / 10.10 / 18.4 floor

338.3 / 9.9 / 11 ground — 338.76 / 9.40 / 11 floor

340.34 / 7.82 / 11 walk — 339.6 / 8.6 / 15 — 339.8 / 8.4 / 10 — 339.3 / 8.9 / 6 — 339.0 / 9.2 — 338.9 / 9.3 / 10 — 338.4 / 9.8 / 15 — 337.6 / 10.6 / 50 — 335.4 / 12.8 / 130

340.0 / 8.2 / 14.1 ground — 340.30 / 7.86 / 14.1 floor

348.16

				cont	P. 22
check B.M.			4.46	341.10	NW B.P. Chamaune
T.P. = B.M.	1.35	345.56	5.74	344.21	SW Cor. Rot. 46th
Set B.M.			4.71	345.24	SW. Tct. Mendo + Landis
T.P.	13.16	349.95	7.19	336.79	
set BM.			6.86	337.12	3' Hub + Alley Blk. C
	2.29	343.98		341.69	3' Hub. Blk. 5

Start Bench Levels for All Alleys - along Landis

check. Starting B.M.			6.07	332.81	332.81
	0.88	338.88	8.38	338.00	
	4.69	346.38	9.96	341.69	3' Hub. Blk. 5
	11.76	351.65	5.89	339.89	
check BM	6.07	345.78	5.50	339.71	SW B.P. Rudd + Wightman

See Wightman Sections - for cb on Lt.

5+83.95 = S.L. Wightman - wall ends at cb.

fence

5+67 - 10.2 Lt. = Beg. 6" Conc. wall - for picket

5+60

5+46 - 12.6' Lt. = ± 24" x 18" Vent in Conc. Foundation to House

Lt. ℄ Rt

341.00 = Book

339.61 = our Elev - 010 Lower. from Wightman Levels

340.68	340.1	340.0		340.0
4.56	5.1	5.2		5.2
9.9	9.9			10
Top cb. + Top wall	Cut			

340.60	339.8
4.64	5.4
10.2	10.2

Top wall

	339.1	339.1	338.5	338.3	338.6
	6.1	6.1	6.7	6.9	6.6
	12.6	10		10	15

340.84	339.38	338.9
4.40	5.86	6.3
12.6	12.6	12.6
Top-Conc. found.	Bottom of Vent.	ground

345.24

X-Sect. 20' Alley in Block 6

1-6-48
Osborne
Hardin
Worrell

1976

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25001

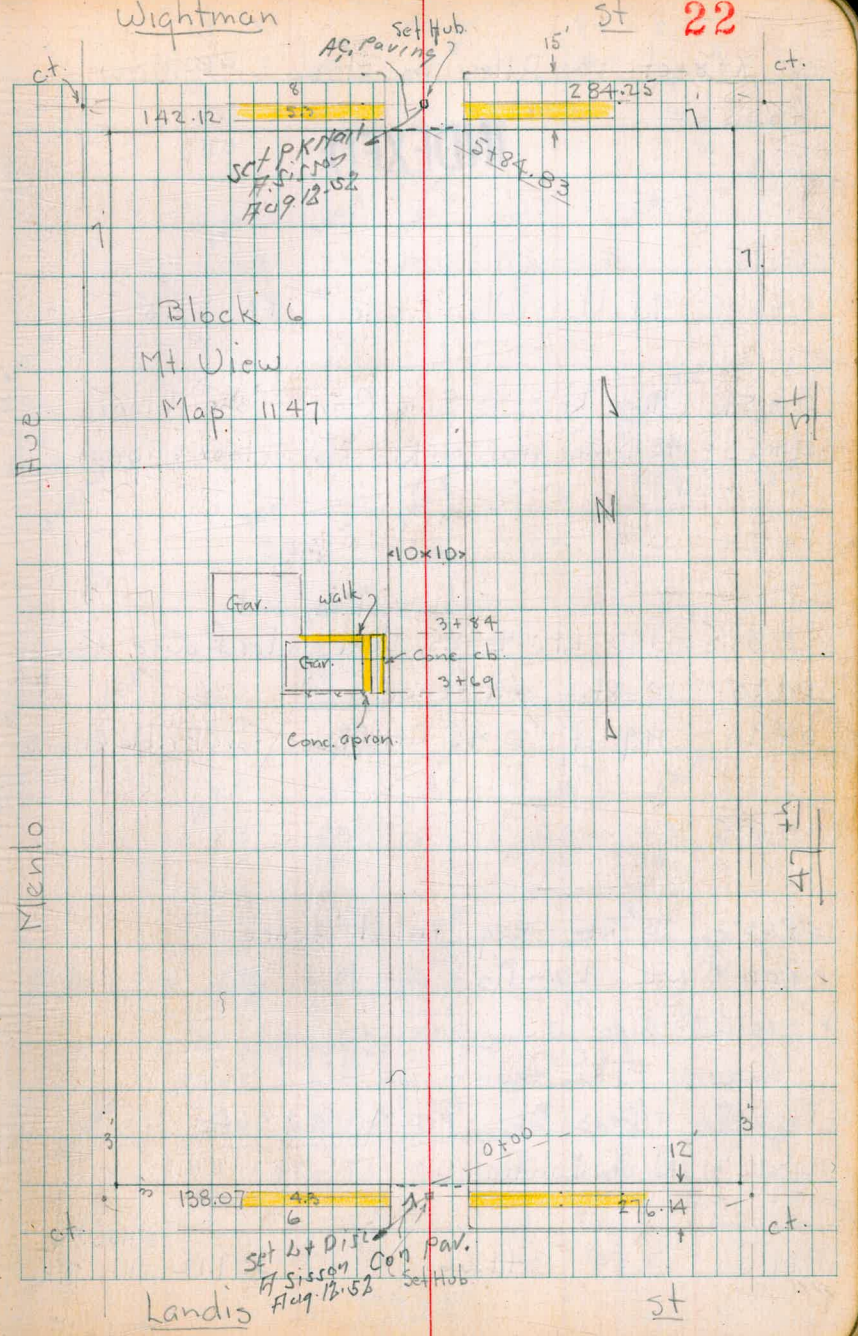
INDEXED

Indexed

This ties in the two circuits
0.10 High at SW. Euclid + Wightman - P. 21
Note: checks 0.09 High on Wightman Levels

		Wightman			our elev. Wightman Levels
check B.M.	N.W. B.P.	45 ± th	3.97	347.48	347.39
T.P.	6.44	351.45	3.87	345.01	
B.M. - B.P.	N.W. 45 ± th		5.78	343.10	
T.P.	7.08	348.88	3.76	341.80	
T.P.		345.56			
		from P. 21			

Wightman St 22



X-Sect. 20' Alley in Block 6 - Mt. View

INDEXED

1+00

0+75

0+60 - 9.1' Lt. = Wly. P. pole # P.A. 371.8'

0+54 - 9.6' Lt. = ℄ Sing. Gar. - Conc. floor

0+53 = ℄ Sing. Gar. on Rt. = Conc. floor + apron

0+50

0+38.8 - 11.3 Lt. = ℄ 2.5' Vent under House - Conc. curb around

0+30 - 10' Rt. = end fence

0+20 = 9.9 Lt. = ℄ 45' Conc. base for Brick Chimney

0+15

0+00 - 10' Rt. = Beg. Picket fence

0+00 - N.L. Landis - Conc. Pave ends 0.45. of Sh.

✓ = checks O.K.

See P. 75 for Add. - W.M. - etc.

Actual Elev. shown on New shots.

checked - 9-13-51 7.0. Used same Datum.

0-12 = N. cb. Landis

B.M.	7.54	344.66	337.12	3' Hub ℄ Alley Blk. 6 P. 21

Lt. = W. ℄ ✓ Rt. = E. 23

339.5 5.2 50 | 340.5 4.2 10 | 341.0 3.7 | 341.4 3.3 10 | 341.7 3.0 15

340.3 4.4 15 | 340.9 3.8 10 | 340.6 4.1 | 341.2 3.5 10 | 341.4 3.3 15

340.10 4.56 9.6 floor | 340.1 4.6 10 | 340.3 4.4 | 340.8 3.9 10 | 340.17 3.94 12.7 apron | 340.95 3.71 13.7 floor

340. 4.5 15

339.7 5.0 | 340.02 4.64 11.3 Bottom = dirt Top = conc. cb.

339.34 5.32 Bottom of slab | 339.82 4.82 9.9 Top conc.

339.4 5.3 11.5 along House | 339.4 5.3 10 | 339.4 5.3 | 340.3 4.4 10 | 340.4 4.3 15

337 337.97 6.29 gut conc. | 337.97 6.69 9.8 Top + gut. end Ret. | 338.0 337.36 = conc. 6.7 conc. o.t.s. | 338.33 6.43 10 Top + gut. end Ret. | 338.2 6.63 10 gut | 337.71 conc.

337.44 7.22 50 Top | 336.7 8.0 50 gut. | 337.80 6.86 10 Top 2' Rad. | 337.1 7.6 10 gut | 337.1 7.6 | 337.2 7.5 10 gut | 338.01 6.65 10 Top 2' Rad. | 337.7 7.0 50 gut | 338.37 6.29 50 Top

344.66

3+00 - 9.8 Rt. = Beg. wire fence - and sect.

2+94.5 9.8 Rt. = End House

2+94 = ℄ Sing. Gar. on Lt. - Conc. floor + apron slab by side door of House

2+88 - 5' Rt. = ℄ 5' average - rough Conc. Gar. - opens to W.

2+73 - 10.1 Lt. = end Conc. slab. - along Conc.

2+65.5 - 10.1 Rt. = Beg. Frame House - Conc. found.

2+64 - 10.5 Rt. = ℄ 3' Conc. walk

2+55 - 10.5 Lt. = Beg. Conc slab. by House

2+50

2+27 = ℄ Sing. Gar. on Lt. - Conc floor + apron

T.P.	6.91	349.07	2.50	342.16

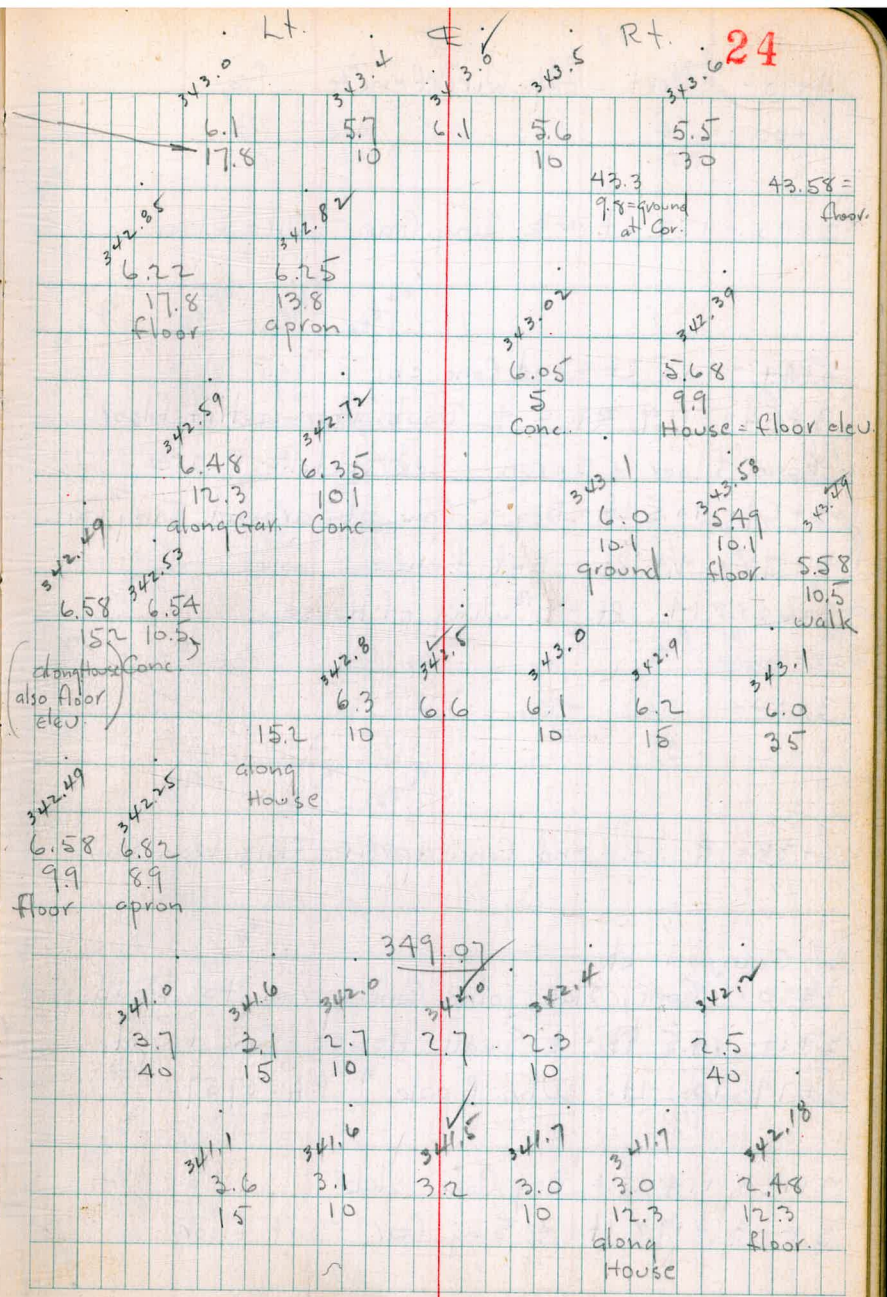
2+00

1+90 - 8.8' Lt. = Wly. P. pole # P.A 3737

1+50 = ℄ House on Rt.

1+20 - 10.1' Rt. = end fence

1+10 - 9.9' Rt. = Beg. Lath fence



4+10 - 9.6 Rt. = Beg Wire fence
4+00

3+90 - 17.2 Lt. = ℄ Sing. Gar. - Dirt floor

3+84 - 10.5 Lt. = end Conc. cb.
3+84 - 11.9 Rt. = ℄ Doub. Gar. - dirt floor - Conc. floor + Apron - See sketch - P. 22
3+69 - 10.5 Lt. = Beg 6" Conc. cb around Sing Gar.
3+72 - 9.4 Rt. = End. fence
3+60 - 14' Rt. = ℄ "B" Wing of House

3+50 -

3+38 - 9' Lt. = end Conc. apron - flare from Gar.

Gar. on Lt.
3+20 - Conc. slab joins Conc. apron to Doub
3+19 - 14.5 Rt. = ℄ Small House - Conc found.
3+19 - 10' Lt. = Wly P. pole # P.A. 37.57

3+12 - 11.4 Lt. = Beg Conc. slab
3+02 - 17.8' Lt. = ℄ Sing. Gar. - Dirt floor

Lt. ℄ Rt

343.3 5.8 15
344.1 5.0 10
344.4 5.0
344.0 5.1 10
344.5 4.6 25

343.8 5.3 17.2 floor
343.45 5.62 17.2 on walk
343.78 5.29 17.2 end cb.
343.47 5.60 13.6 end apron
343.86 5.21 10.5 Top cb.
344.3 4.8 11.9 floor

343.48 5.59 15.7 floor Gar.
343.49 5.58 13.6 apron
343.72 5.35 10.5 Top cb.
343.9 5.2 14 ground
345.05 4.02 14 floor

342.8 6.3 40
343.2 5.9 15
343.4 5.7 10
343.6 5.5
343.7 5.4 10
343.9 5.2 15

343.29 5.78 18.1 floor
343.44 5.83 13 Brk.
343.62 5.45 9 Conc.

343.31 5.76 18.1 floor Gar.
343.54 5.53 10.2 end slab
343.62 5.45 9.1 apron
343.6 5.5 14.5 ground
344.39 4.78 14.5 floor

342.9 6.2 17.8 floor
343.27 5.80 16.4 Conc.
343.57 5.50 11.4 Conc.

349.07

Conc. found.

5+30 = ℄ Near wing of House -on Lt.

5+23 - 9.9 Rt = Beg. picket fence

T.P. 5.85 350.69 4.23 344.84 = 5+91.83 Hub

5+20 - 9.6 Lt. = Beg wire fence
5+14 = ℄ Sing. Gar. on Lt. - Conc. floor + apron
5+13 - 13.6 Rt. = ℄ Sing. Gar. wood. floor.
5+04 - 9.2 Rt. = end wire fence
5+00

4+97 - 16' Lt. = ℄ 3' Conc. tile walk
4+90 - 16.5 Lt. = ℄ Sing. Gar. - dirt floor
4+78 - 9.7 Lt = ℄ 6' Chicken shed.
4+62 - 9.5 Lt. - Wly. P. pole # PA37 77

4+60 - House on Lt.

4+40 - 10.9' Lt. - Nly + Ely. of 2' Conc. walk - end on diag.

4+28 - 15.8 Lt. = ℄ Sing Gar. - Conc. floor

4+25

Lt. ℄ Rt

346.0 346.7 346.7 347.3 346.7

4.7 4.0 4.0 3.4 4.0
11.3 11.3 10 10 15
floor. along House

350.69

345.45 345.54 347.26
3.42 3.53 1.81
26.4 20.4 13.6
floor. apron floor

345.4 346.1 346.0 346.6 347.1
3.7 3.0 3.1 2.5 2.0
30 10 10 15

345.70
3.37
16
walk

345.4
3.7
16.5
floor

345.67 345.1 345.3 345.2 345.5 345.7
3.40 4.0 3.8 3.9 3.6 3.4
2.6 12.6 10 10 15
floor along House

344.50 344.71
4.57 4.36
159 109
walk end. Cor.

343.87
5.20
15.8
floor

343.9 344.3 344.2 344.6 344.9
5.2 4.8 4.7 4.5 4.2
15 10 10 15

349.07

Should be 0.10 Higher

	Mento + Wightman		Wightman
check B.M. - N.W. 7' ct.	7.93	342.76	342.65

Levels

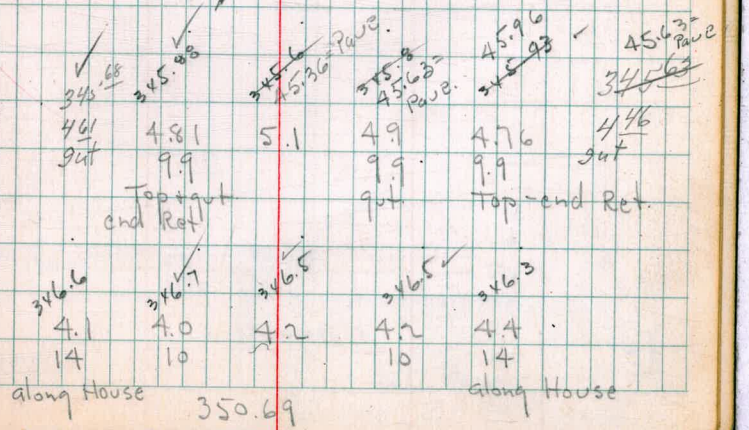
See Wightman Sections for cbs.

5+84.83 = S.L. Wightman - 9.9 Lt. / 9.9 Rt. = end fence
= edge of A.C. pave

5+70

Lt. ℄ Rt

checked Elev. shown on Lt. curb.



350.69

X-Sect. 20' Alley in Block 7 Mt. View

1-7-48

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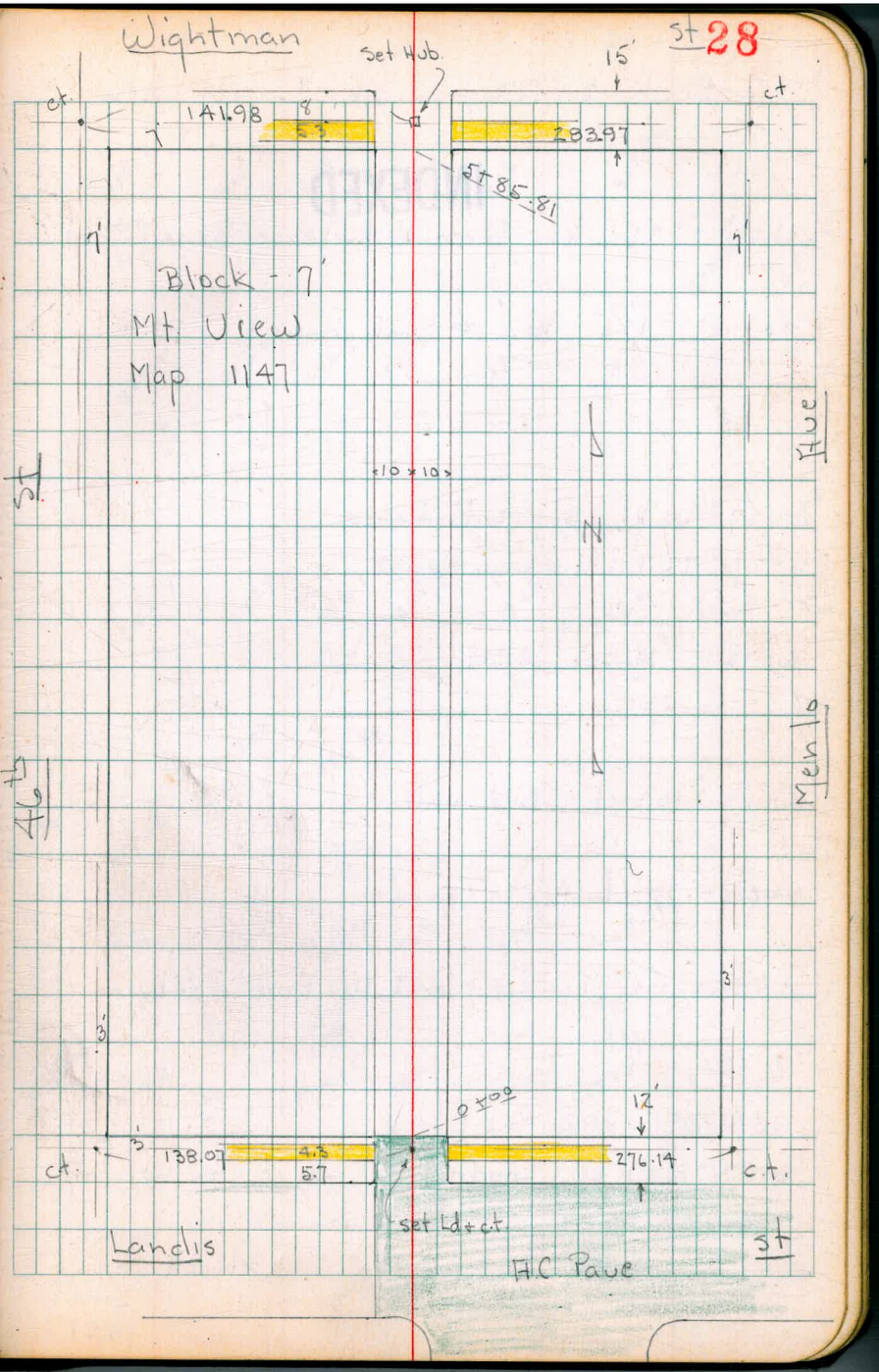
25001

INDEXED

7.0.

Indexed



X-Sect. 20' Alley in Blk - 7 - Mt. View

INDEXED

0+65 - 9.6 Rt.= fence & ℄ loose brick in yard.

0+50 - 11.5 Rt.= ℄ Small House

0+35

0+27 - 10' Rt. = Beg. Lath fence

0+27 = 12.7 Rt.= Nly. House

0+15 - House on Rt.

0+09 - 10.2 Lt.= End wall

0+00 - 10' Lt. = Beg. 6" Conc. wall

0+00 = N.L. Landis = end AC. Pave & Returns

Alley

0-12 = N. ch. Landis = AC. Pave to W.L. of

5.42 350.66 345.24 Sw. Cor. Menlo & Landis P. 21

Lt.= W. ℄ Rt.= E. 29

345.8 4.9 15

345.7 5.0 10

344.4 6.3 7

344.0 6.7

343.43 7.23 9.6 edge of

343.36 7.30 15 on Brick

344.0 6.7 11.5 ground

344.55 6.11 11.5 floor

347.2 3.5 15

347.0 3.7 10

346.1 4.6 7

345.8 4.9

345.4 5.3 10

344.7 6.0 20

346.0 4.7 12.7 ground

347.03 3.63 12.7 floor

347.7 3.0 15

347.7 3.0 10

346.1 4.6 7

345.8 4.9

346.3 4.4 10

346.4 4.3 12.8 along House

347.08 2.78 10.2 Top

346.80 3.68 10.2 Bottom = footing

347.76 2.90 10 Top wall

345.06 5.60 10 Bottom

345.24 5.42 10 Top

345.04 5.62 10 gut

344.81 5.85

344.87 5.79 10 gut.

344.92 5.72 10 Top

345.30 5.36 50 Top

344.8 5.9 gut

345.00 5.66 10 Top 2 Rad.

344.45 6.21 10 gut

344.30 6.36

344.17 6.49 10 gut

344.72 5.94 10 Top 2 Rad.

342.73 7.93 50 gut

343.32 7.34 50 Top

350.66

Conc. floor 54.7

2+18 = ℄ Sing. Gar. on Rt. - Gravel Dr.

2+00

1+95 - 11.7 Rt. = ℄ Small House - wood found.

1+93 - 11.7 Lt = Ely. P pole # PA 3733

1+78 - 16.5 Lt = ℄ Sing. Gar. - dirt floor

1+60

1+55 - 16.5 Lt. = ℄ Sing. Gar. - dirt floor

1+30

1+28 - 11.6 Rt = ℄ Sing Gar. - dirt floor

TP.	3.96	345.84	8.78	341.88

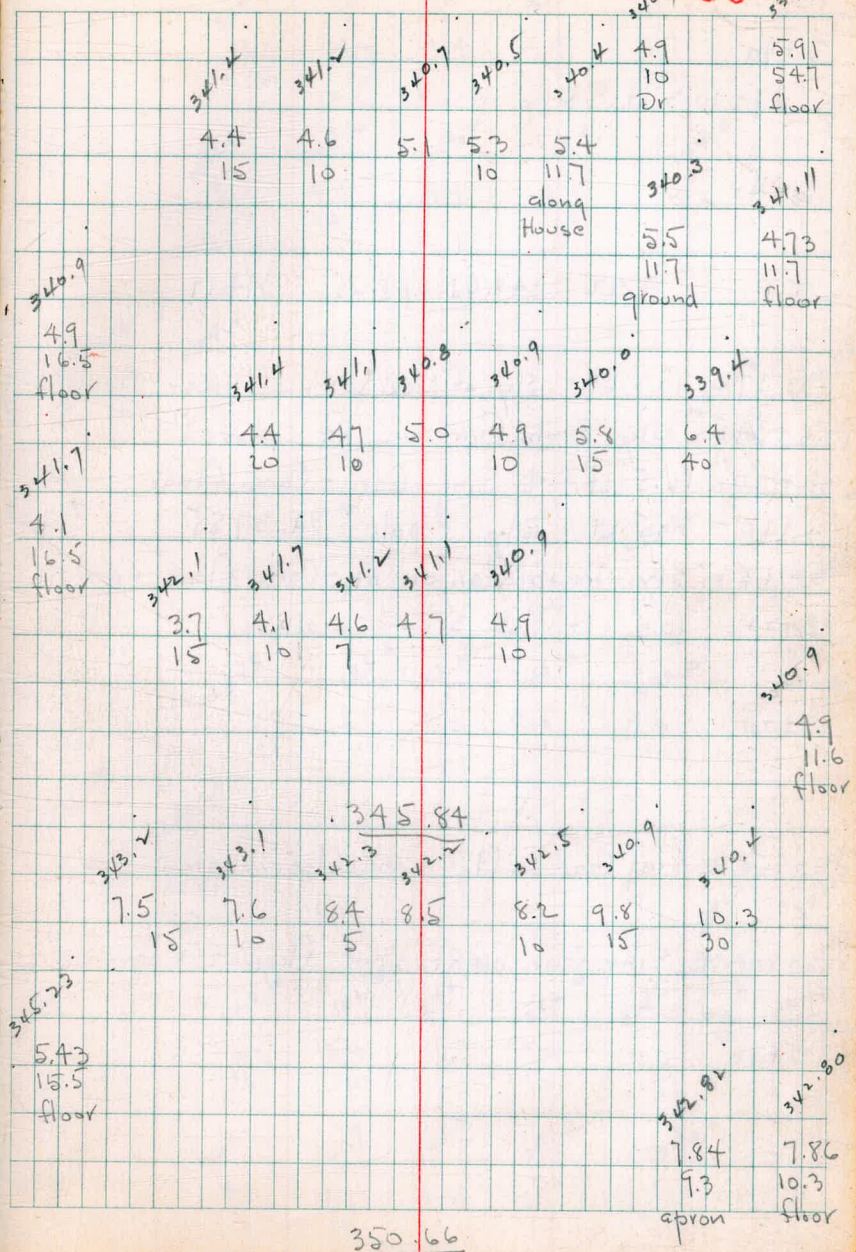
1+00

0+80 - 15.5' Lt. = ℄ Sing. Gar. - Conc. floor

0+78 = ℄ Sing. Gar. on Rt. - Conc floor + apron

0+68 - 11' Lt. = Wly. P. pole # JPA 3711

Lt. ℄ Rt



3+70

3+57 - 10.3 Lt. = Nly. House

3+40

T.P. 4.42 348.61 1.65 344.19

3+37 - 10.3 Lt. = Sly. of Near wing of House - wood found.

3+34.5 = Nly. Doub. Gar. on Rt.

3+27 - 16.5 Lt. = ℄ Sing. Gar. - Conc. floor

3+20 - 10.5 Lt. = Ely. P. pole # P.A. 3755

3+11.5 = Sly. Doub. Gar. on Rt. - Conc. floor + apron

3+10 - 10.5 Rt. - ℄ 3' Conc. walk

3+00

2+95 = ℄ Sing. Gar. on Lt. - Conc. floor + apron

2+80 = ℄ Sing. Gar. on Rt. Conc. floor - 2-2' for Dr. Conc. strips

2+70

2+40

Lt. ℄ Rt.

344.6 344.6 344.4 344.2 344.2 343.9

4.0 4.0 4.2 4.4 4.4 4.7

10.3 15 10 10 20

ground

344.6 344.6 344.2 344.3 344.0

4.0 4.0 4.4 4.3 4.6

10.3 10 10 20

along House

348.61

346.21 344.42 344.08 344.05

+0.37 1.4 1.76 1.79

10.3 10.3 10.2 11.1

floor ground apron floor

344.38

1.46

16.5

floor

343.91 343.92 343.94

1.93 1.92 1.90

10.5 11.3 10.5

apron floor walk

343.5 343.3 343.0 343.3 343.0

2.3 2.5 2.8 2.5 2.8

15 10 10 40

343.54 343.21

2.30 2.63

14.5 14.5

floor apron

342.56 342.52

3.28 3.32

11.5 28.5

end Dr. floor

342.6 342.4 342.3 342.4 342.2

3.2 3.4 3.5 3.4 3.6

15 10 10 15

341.8 341.7 341.4 341.3 340.8

4.0 4.1 4.4 4.5 4.9

15 10 10 40

345.84

5+42 = ℄ Sing. Gar. on Rt. - Conc. floor + apron

5+30

5+16 - 17' Rt. = ℄ Sing. Gar. - Conc. floor

5+00 = ℄ House on Lt.

4+80 = ℄ Sing. Gar. on Rt. - Conc floor + apron

4+57 - 10.2 Lt. = Ely. P. pole # P.A. 3777

4+50

4+32 - 10' Rt. = ℄ 5' Conc. walk

4+27 = ℄ Doub. Gar. on Lt. - Conc. floor + apron

4+18 - 10.2 Rt. = ℄ Stucco Court. - Conc. found.

wood found.

4+00 - House on Lt. - 10.4' Rt. = ℄ 3' Conc. walk

3+94 - 9.5 Lt. = Ely. of 8" Acacia

on Rt.

3+90 = ℄ Sing. Gar. - Conc. floor + apron

3+85.5 = ℄ Sewer M.H. 4.22 on Rim

Lt. ℄ Rt.

3x3.4 5.2 15 floor

3x3.0 5.6 10 floor

342.8 5.8 floor

3x3.4 5.2 10 floor

3x3.6 5.0 15 floor

343.48 5.13 11.4 apron

343.42 5.19 14 floor

343.99 4.62 15.5 floor

343.4 5.2 15.5 along House

343.3 5.3 10 floor

343.2 5.4 floor

343.4 5.2 10 floor

343.14 5.47 14 apron

343.3 5.3 20 floor

343.23 5.38 17 floor

343.32 5.39 17 floor

343.7 4.9 20 floor

343.5 5.1 10 floor

343.4 5.2 floor

343.6 5.0 10 floor

342.7 5.9 20 floor

344.01 4.60 16 floor

343.83 4.78 14 apron

344.01 4.60 10 walk

343.63 4.98 20 walk

344.2 4.4 10.2 ground

344.39 3.22 10.2 floor

345.95 2.66 11.4 floor

343.9 4.7 11.4 along House

343.9 4.7 10 floor

343.9 4.7 floor

344.1 4.5 10 floor

344.12 4.49 10.4 walk

343.84 4.77 20.4 walk

344.09 4.52 10.2 apron

344.36 4.25 15.7 floor

348.61

Should be 0.10 Higher

Menlo + Wightman

Check B.M - N.W. 7' ct. 4.85 342.74 342.65 = Wightman Levels

See Wightman Sections for obs.

5+85.81 = S.L. Wightman + 8' Lt. - end Ely. Hedge

T. P. 5.69 347.59 6.71 341.90 = Hub ℄ + T line

5+70

5+50 - 11.5' Rt. = ± 6.5 Conc. walk

5+47 - 6.1' Beg Lt. = Ely. of 4' Hedge - 6' High

Lt. ℄ Rt.

341.86 342.4 342.78

343.98 343.44 343.80

4.73 5.2 4.81

9.9 9.9 10

Top end Ret 5.0 gut. Top + gut. end Ret

347.59

343.0 342.6 342.6 343.1 343.1

5.6 6.0 6.0 5.5 5.5

15 10 10 10.6

along House

343.61

5.00

11.5

Walk

348.61

X-Sect. 20' Alley in Block 8 - Mt. View

1-8-48

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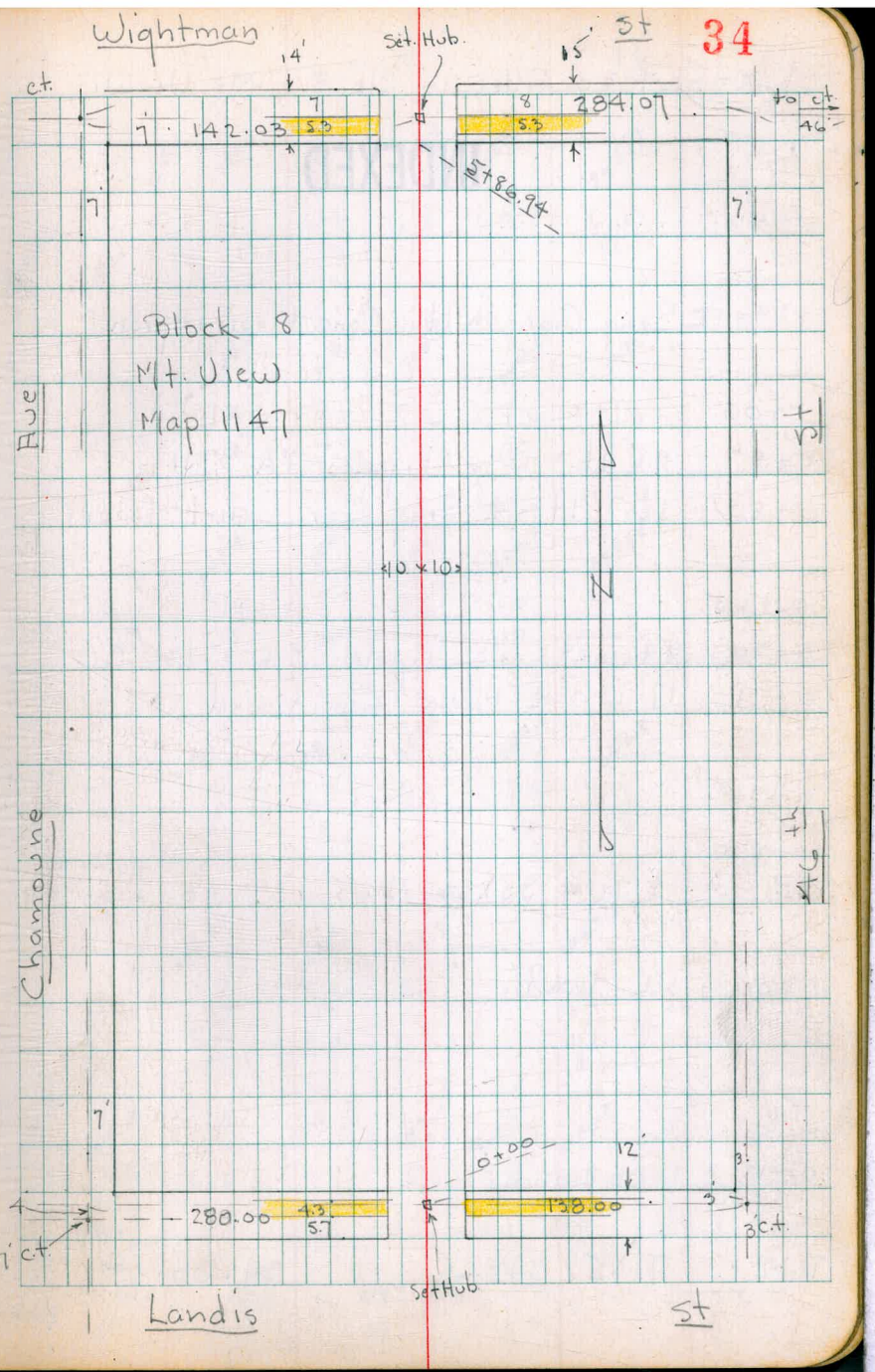
25001

7.0.

INDEXED

Indexed

Notes Reduced 1-22-48 Wherry -



X-Sect 20' Alley in Blk 8 - Mt. View.

INDEXED

1+50

1+29 = ℄ Sing Gar.-on Lt - Conc. floor + apron

1+00

0+87 - 9.6 Lt. = Wly. P.pole ☒ P.A. 3711

0+80 - 15.7 Lt. = ℄ Sing. Gar. - dirt floor

0+60

0+30 - 9.4 Lt = Wly P.pole ☒ P.A. 3703

0+21 - 17' Lt. = ℄ House - Conc. found.

0+15

T.P	8.76	351.66	5.75	342.90	= Hub = ℄ + 3' Line
0+00 = N.L. Landis					
0-12 = N.cb Landis					
B.M.	7.65	348.65		341.00	NW.P.B. Chamoune + Landis = Book Elev.

Lt. ℄ Rt

	344.6	344.6	345.3	344.9	345.5	345.7
	7.1	7.1	6.4	6.8	6.7	6.0
	15	11	10		10	15
344.46	344.31					
7.20	7.35					
13.2	10.7					
floor	apron					
	344.1	344.3	344.6	344.5	344.5	344.5
	7.6	7.4	7.1	7.2	7.2	7.2
	30	15	10		10	14
						along House
344.1						
7.6						
15.7						
floor						
	343.9		344.0	344.2	344.7	344.7
	7.8		7.7	7.5	7.0	7.3
	15		10		10	16.2
345.13	343.9					along House
6.43	7.8					
17	17					
floor	ground					
		343.8	344.0	343.8	344.5	344.9
		7.9	7.7	7.9	7.2	6.8
		15	10		10	15

351.66

		343.60	343.4	343.5		344.36		
		5.05	5.2	5.1		4.29		
		10	10			10.2		
		Top	gut			Top + gut		
		end Ret				end Ret		
342.76	342.0	343.49	342.7	343.1	343.2	344.05	343.8	344.70
5.89	6.6	5.16	5.9	5.5	5.4	4.60	4.8	3.95
45'	45'	10	10		10	10	50	50
Top	gut	Top	gut		gut	Top	gut	Top
		2' Rad				2' Rad.		

348.65

3+00 - Low House on Lt.

2+92 - 10.4' Rt. = Beg. Conc. apron to Doub. Gar.
T.P. 6.96 355.64 2.98 348.68

2+87 - 10' Lt. = Wly. P. pole # P.A. 3751
2+86 - 8.7' Rt. = end fence
2+77 - 13.7 Lt. = ℄ Small House

2+70 - 8.6 Rt. = fence
2+65 - 10.2' Lt. = ℄ 5' Conc. slab.

2+56 - 23.2 Lt. = ℄ Sing. Gar. - Conc. floor
2+44 - 25.5 Lt. = ℄ Sing. Gar. - Conc. floor
2+36 - 9.2' Rt. = Beg board. fence

2+30 = ℄ Sing. Gar. on Lt. - Conc. floor + apron

2+00 = House on Rt. - Conc. found.

1+95 - 10' Lt. = ℄ 18" Conc. strip.
1+90 - 10' Lt. = ℄ 18" Conc. strip for Dr. to Gar-way back
1+87 - 9.6 Lt. = Wly. P. pole # P.A. 3731
1+78 = ℄ Sing. Gar. on Lt. - Conc. floor + apron

Lt. ℄ Rt.

347.55 347.0 347.8 348.6 348.9 349.2 349.48
8.09 8.6 7.8 7.0 6.7 6.4 6.16
37.8 37.8 15 10 10 10.4
floor ground apron

349.43 350.79
6.21 4.85
10.4 19.3
Cor. apron floor

355.64

349.13 347.0
2.53 4.7
13.7 13.7
floor ground

346.7 347.9 348.2 348.5 348.6
5.0 3.8 3.5 3.2 3.1
15 10 10 15

346.61
5.05
10.2
Conc.

345.99
5.67
23.2
floor

345.71
5.95
25.5
floor

345.98 345.98 346.2 346.4 347.3 347.6
5.68 5.68 5.5 4.8 4.4 4.1
17 14.5 10 10 15
floor

345.57 345.7 345.7 345.8 346.4 347.1
6.09 6.0 6.0 5.9 5.3 4.6
10.9 10.9 10 10 15
floor along House

345.16
6.50
10
Conc.

345.03
6.63
10
Conc.

344.97 344.78
6.69 6.88
18.2 10.5
floor apron

351.66

4+50

4+45 - 17.4 Rt. = ℄ Sing. Gar. — Conc. floor
4+39 - 10.6 Lt. = Sly 2.5 Conc. slab along House
4+36.5 - 9.6 Rt. = end Conc. wall + fence

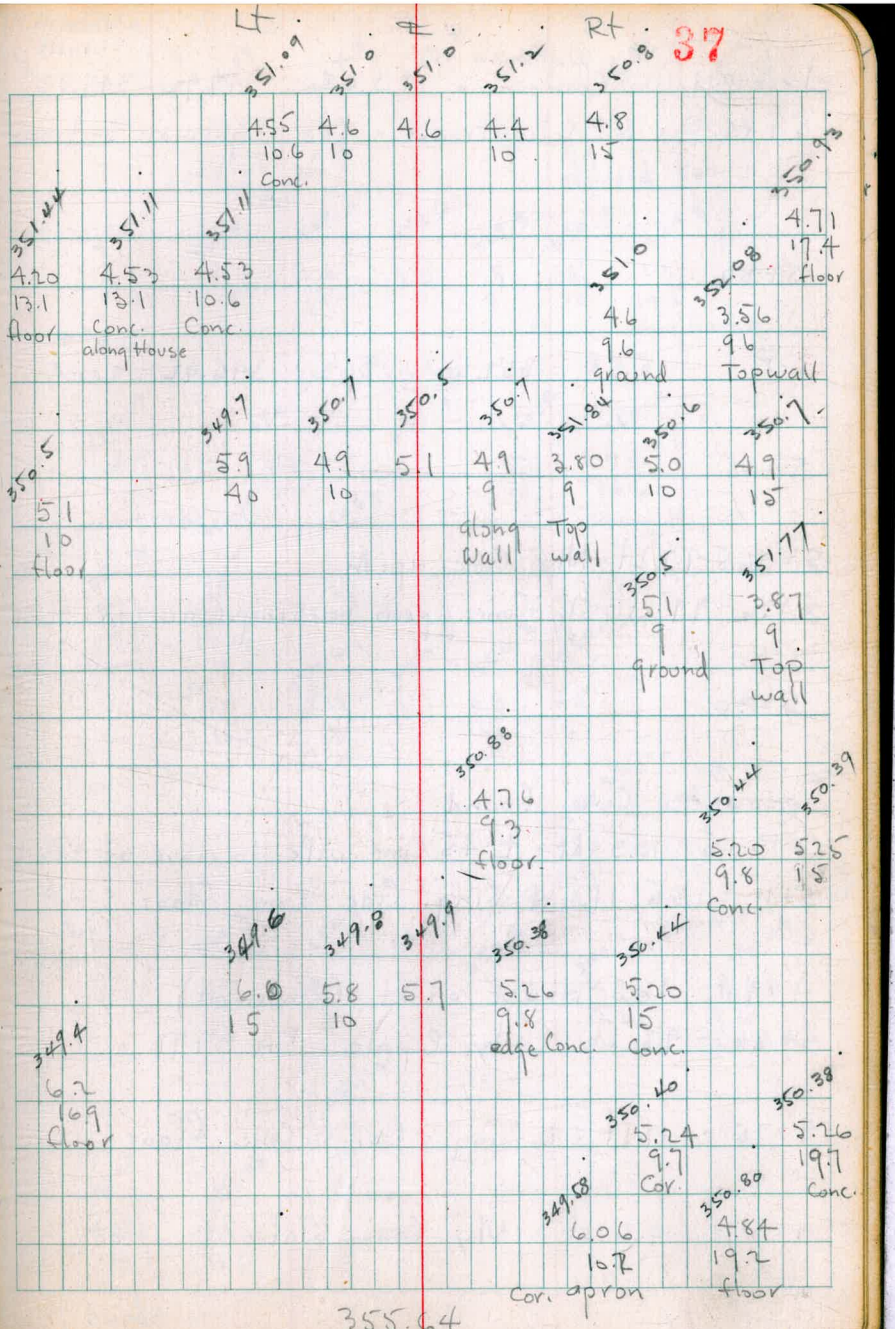
4+00

3+93 - 10' Lt. = ℄ Sing. Gar - dirt floor
fence
3+87 - 9' Rt. = Beg. 6" Conc. wall = base for board
3+86 - 9.4 Lt. = Wly. P. pole ℄ P.A. 3771
3+83.5 - 9.6 Rt. = Nly. Gar.
S. to Conc. slab.
3+63.5 - 9.3 Rt. = Sly. 3 car Gar. - Conc. floor - opens
3+62 - 9.8 Rt. = Wly. Conc. slab.

3+50

3+46 - 16.9 Lt. = ℄ Sing. Gar. - dirt floor
3+40 - 9.7 Rt. = Sly. Large Conc. slab. - Courtyard.

3+11 - 10.2 Rt. = Nly. Conc. apron



355.64

				Wightman Levels
check BM. - NW. Chamoune +	Wightman 3.68	347.92		347.93

5+86.94 = SL. Wightman - See Wightman Sections for curbs.

5+80

T.P. 5.58 351.60 9.62 346.02 = Hub ℄ + 7' Line

5+65

5+56.5 9.7 Lt. = Nly. Conc. apron

5+36 - 9.9 Lt. = Sly. Conc. apron to Sing. Gar. - Conc. floor

5+30

House - Conc. found.

5+21.5 - 10.3 Rt. = ℄ 4.5 Conc. walk to door of Small

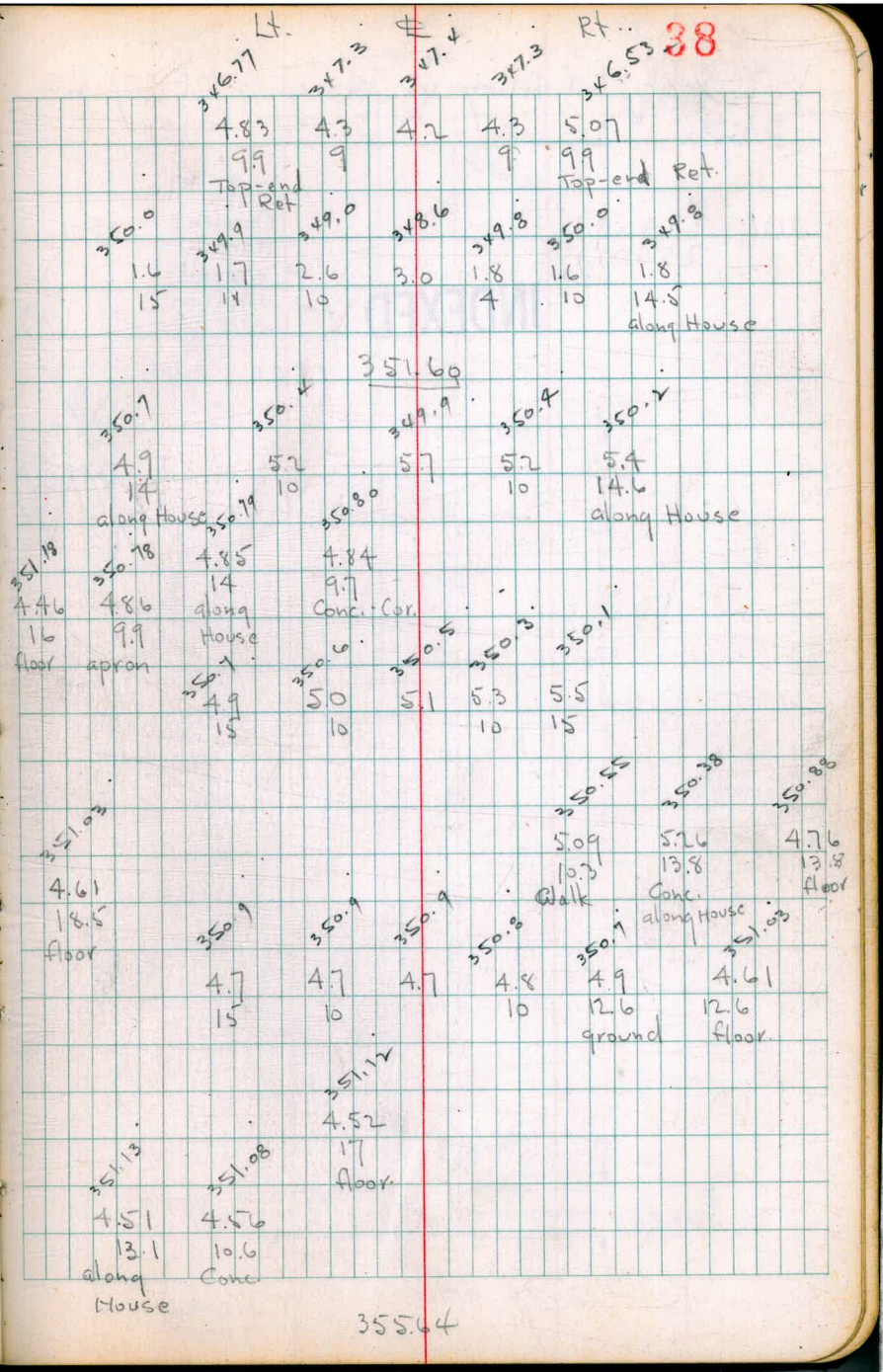
5+11 - 18.5 Lt. = ℄ Sing. Gar. - Conc. floor

4+90 - Low House on Rt. (Condemed)

4+86 - 9.8 Lt. = Wly. P. pole = P.A. 3791

4+75 - 17' Lt. = ℄ Sing. Gar. - Conc. floor

4+57 - 10.6 Lt. = Nly. Conc. slab.



X-Sect. 20' Alley in Block 9 - City Hts Annex # 1

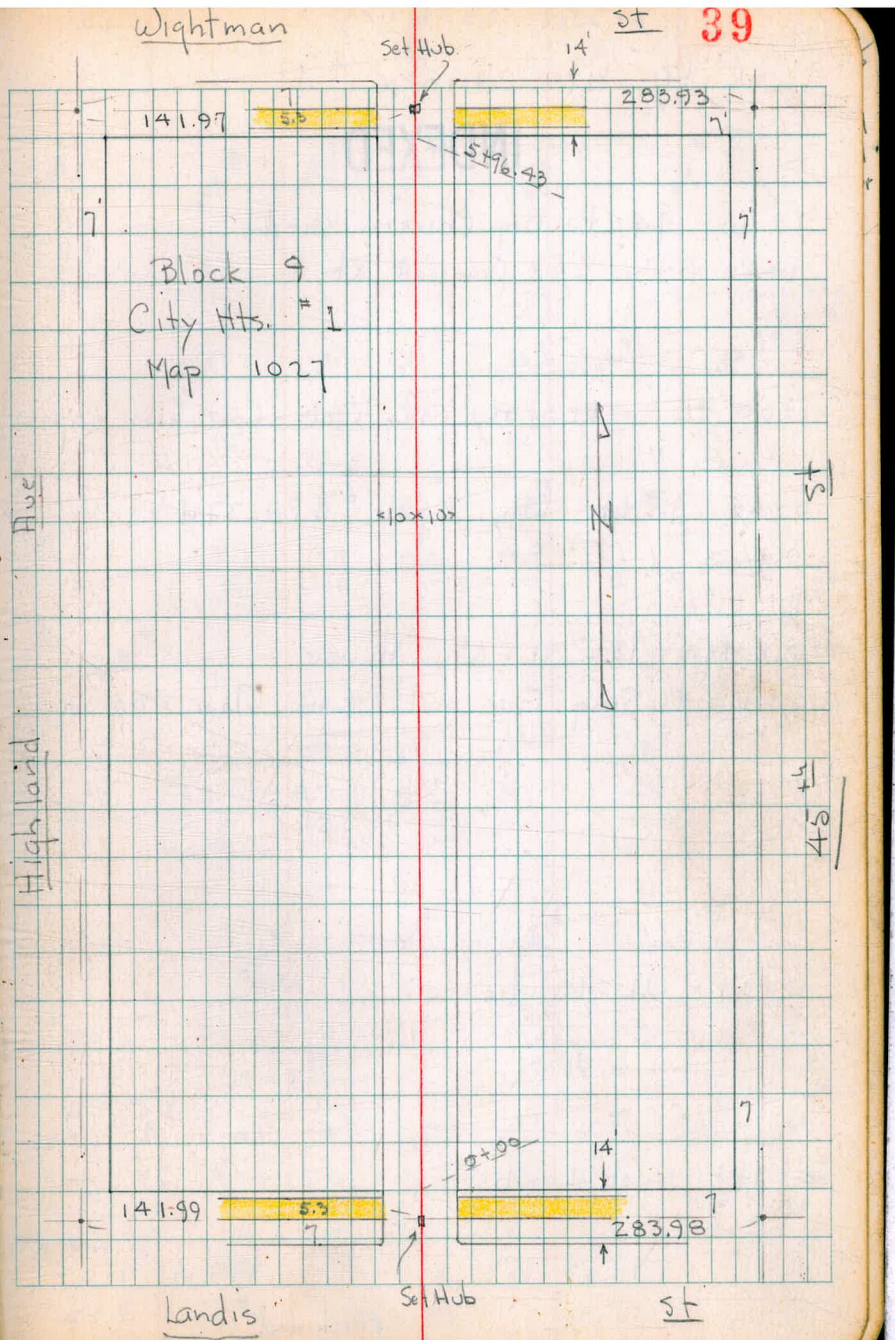
1-8-47

W.O. 31459
25001

Osborne
Hardin
Worrell
Johnson

INDEXED

Indexed



X-Sect. 20 Alley
City Hts. Annex #1

INDEXED

1+70 - 9.4 Lt. = Beg. Chicken shed.
1+50 - Sly. Sing Gar. on Rt.

1+00 - Rt. = Sly. Sing. Gar. - Conc. floor + apron

0+65 - 9.5 Lt. = Wly. P. pole # J.P.H. 3711
0+60

0+48.5 - 13.6 Rt. = Nly. House
0+41 = ℄ Sing. Gar. on Lt. - Conc. floor + apron

0+20

0+00 = N.L. Landis

0-14 = N. cb. Landis

10.63 353.73 343.10 B.P. NW. 45th + Landis P. 22

check and → 0.10 Higher than Wightman

Lt. = W. ℄ Rt. = E

349.9 / 4.7 / 9.4 / floor — 349.4 / 4.3 / 15 — 349.1 / 4.6 / 10 — 348.8 / 4.9 — 348.6 / 5.1 / 10.3 / floor — 346.8 / 6.9 / 40 - shows Low ground.

349.5 / 4.2 / 15 — 349.3 / 4.4 / 10 — 349.1 / 4.6 — 348.9 / 4.8 / 10 — 348.97 / 4.76 / 10.3 / apron — 348.98 / 4.75 / 14.4 / floor

350.1 / 3.6 / 15 — 349.8 / 3.9 / 10 — 349.3 / 4.4 — 348.9 / 4.8 / 10 — 348.6 / 5.1 / 15

349.87 / 3.86 / 13.4 / floor — 349.59 / 4.14 / 10.2 / aprom — 348.8 / 4.9 / 13.6 / ground. — 349.83 / 3.90 / 13.6 / floor

350.4 / 3.3 / 11.7 / along House — 349.5 / 4.2 / 10 — 349.2 / 4.5 — 349.0 / 4.7 / 10 — 348.9 / 4.8 / 13.8 / along House

348.85 / 4.88 / 9.9 / Top + gut end Ret. — 348.5 / 5.2 — 348.05 / 5.68 / 9.8 / Top + gut. end of Ret.

349.72 / 4.01 / 40 / Top — 349.2 / 4.5 / 40 / gut. — 348.73 / 5.00 / 10 / Top 2' Rad. — 348.1 / 5.6 / 10 / gut — 347.7 / 6.0 — 347.3 / 6.4 / 10 / gut — 347.80 / 5.93 / 10 / Top 2' Rad. — 346.1 / 7.6 / 40 / gut. — 346.68 / 7.05 / 40 / Top

353.73

4+22 - 11.9 Rt. = ℄ House

4+00

3+96 - 9.6 Lt. = Wly. P. pole # J.P.A. 3767

3+91 - 16.8 Lt. = ℄ Sing. Gar. - Conc. floor

3+50

3+36 - 12.8 Lt. = ℄ Sing. Gar. - Conc. floor

3+10 - Lt. = ℄ Sing. Gar. - Conc. floor + apron

3+00 = Sly. Sing. Gar. - on Rt. - Conc floor + apron

2+96 - 9.3 Lt. = Wly. p. pole # D 37415T

2+55 - 13' Lt. = ℄ Sing. Gar. - Conc. floor

2+50

2+28 - 9.6' Rt. = ℄ 7' Conc. Slab - 7' long

2+04 = ℄ Sing. Gar. on Lt. - Conc. floor + apron

T.P. 4.96 353.86 4.83 348.90

2+00

1+97 - 9' Lt. = Wly. P. pole # J.P.A. 3733

1+93 - 9.6 Lt. = end shed.

1+78 - 24.4 Rt. = ℄ House

Lt. ℄ Rt

	349.8	349.2	348.9	349.0	348.7	349.1	349.95
	4.1	4.7	5.0	4.9	5.2	4.8	3.91
	15	10		10	15	11.9	11.9
350.02						ground	floor
3.84	349.4	349.2	348.8	348.9	348.0		
16.8	4.5	4.7	5.1	5.0	5.9		
floor	15	10		10	45		
349.06	348.85	349.19					
4.80	5.01	4.67					
16.2	13.8	12.8					
floor	apron	floor					
	348.7	348.8	348.6	348.6	347.9	347.9	347.97
	5.2	5.1	5.3	5.3	6.0	5.94	5.89
	15	10		10	13	13.5	15.5
348.90						apron	floor
4.96	348.9	348.8	348.7	348.6	348.3	347.8	
13	5.0	5.1	5.2	5.3	5.6	6.1	
floor	15	10		10	13	30	
349.10	348.85						348.70
4.76	5.01						5.16
14	10.5						9.6
floor	apron						Conc.
			353.86				
	348.8	348.9	348.8	348.6			
	4.9	4.8	4.9	5.1			
	15	10		10			
348.8							
4.9					347.4	347.83	
9.6					6.3	5.90	
floor			353.73		24.4	24.4	
					ground	floor	

should be 0.10 High

check B.M. - N.W.B.P. Wightman 45th + 6.55 347.50 347.39 =

for curbs.

5+96.43 = S.L. Wightman - See Wightman Sections

T.P.	5.55	354.05	5.36	348.50

5+80

5+52 - 13' Lt. = ℄ Sing. Gar. Conc. floor

5+40

5+34 - 12.2' Lt. = ℄ House

5+00

4+97 - 9.4 Lt = Wly P. pole # JPA 3783

4+90 - 21.2 Rt. = ℄ Sing. Gar. - Conc. floor

4+87 - 10.5 Lt. = ℄ shed - dirt floor

4+62.5 - 9.5' Lt. = ℄ 2' Conc. walk

4+60

4+30

Wightman Levels.

Lt. ℄ Rt.

349.12	348.9	349.2		348.86
4.74	5.0	4.7		5.00
10	10			9.9
Top end Ret	gut.			Top + gut end ret.

354.05

350.0	349.7	349.9	349.7	350.3
3.9	4.2	4.0	4.2	3.6
13.8 along House	10		10	13.5 = along House

350.23				
3.63		350.0	349.9	349.9	349.7
13 floor		3.9	4.0	4.0	4.2
		10		10	15

350.98	350.2				
2.88	3.7				
12.2 floor	12.2 ground	349.7	349.7	349.6	349.6	349.7
		4.2	4.2	4.3	4.3	4.2
		15	10		10	15

349.45	349.6				349.70
4.41	4.3				4.16
9.5 walk	10.5 floor				21.2 floor
	349.5	349.6	349.5	349.3	348.8
	4.4	4.3	4.4	4.6	5.1
	15	10		10	20

350.0	349.6	349.4	349.4	349.0
3.9	4.3	4.5	4.5	4.9
15	10		10	11.9 along House

353.86

Grid Layout for Topo. of Wash Bldg. in City Shops

Scale - 1" = 10'

N 148.18

N 144.0 E 55.8 1'x1' Lid Gas Tank

Elev. 52.06 = Bottom of Tank

1" 1½"

N 141.3

N 140.9

A.C. Pave

25

4'

N 129

6" Gate Valve Stand

Conc. Slab

N 125

Steel Grate over Drain

0.8

0.5

1'x1' Iron Lid to Sump. 0.7 Deep

2.2 N 110.5

6" Pipe - 12' High for chain Hoist.

1.1

2.8

N 100

E 44

N 85.1

R = 1.5

R = 2.9

Conc. Air & water Stand.

Not to scale

Gas & water inlets

Conc. Slab.

Nail

N 147

31.06

E 55.2

Vent Pipes from Gas Tank - To Top of Roof

Bldg.

Grate over Drain

5.1

3'-4"

1'

3.4

31.0

25

Cross

E 30.3

AC. Pave

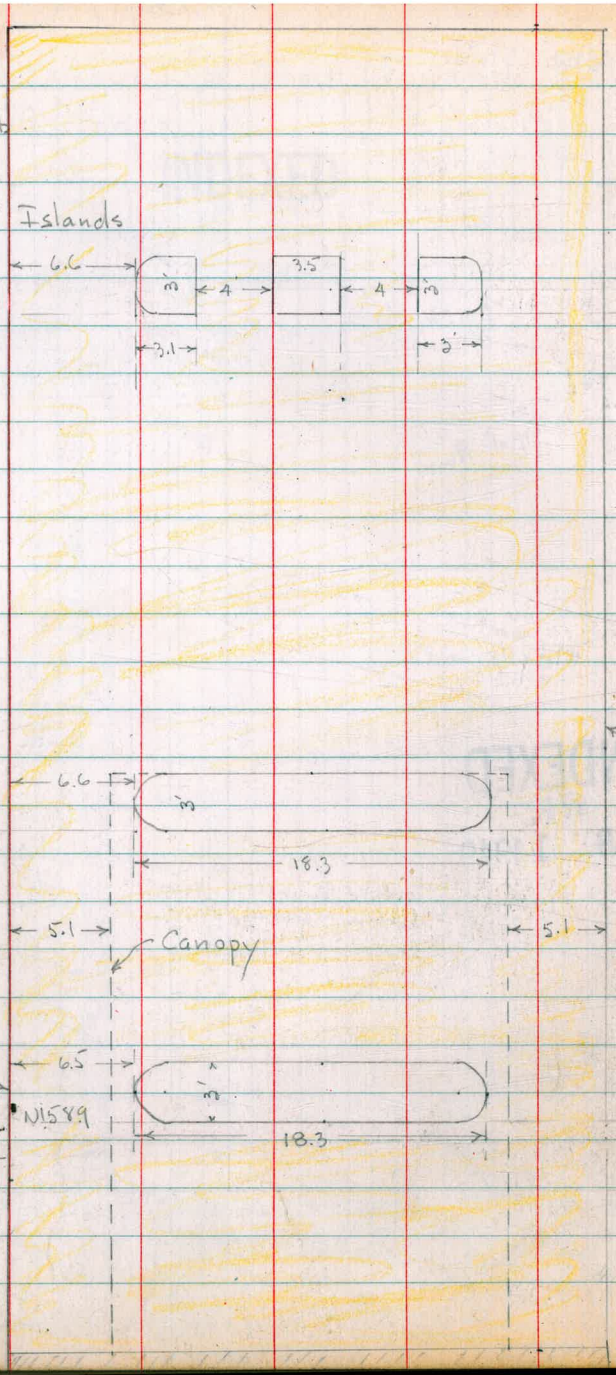
Conc Slab.

N

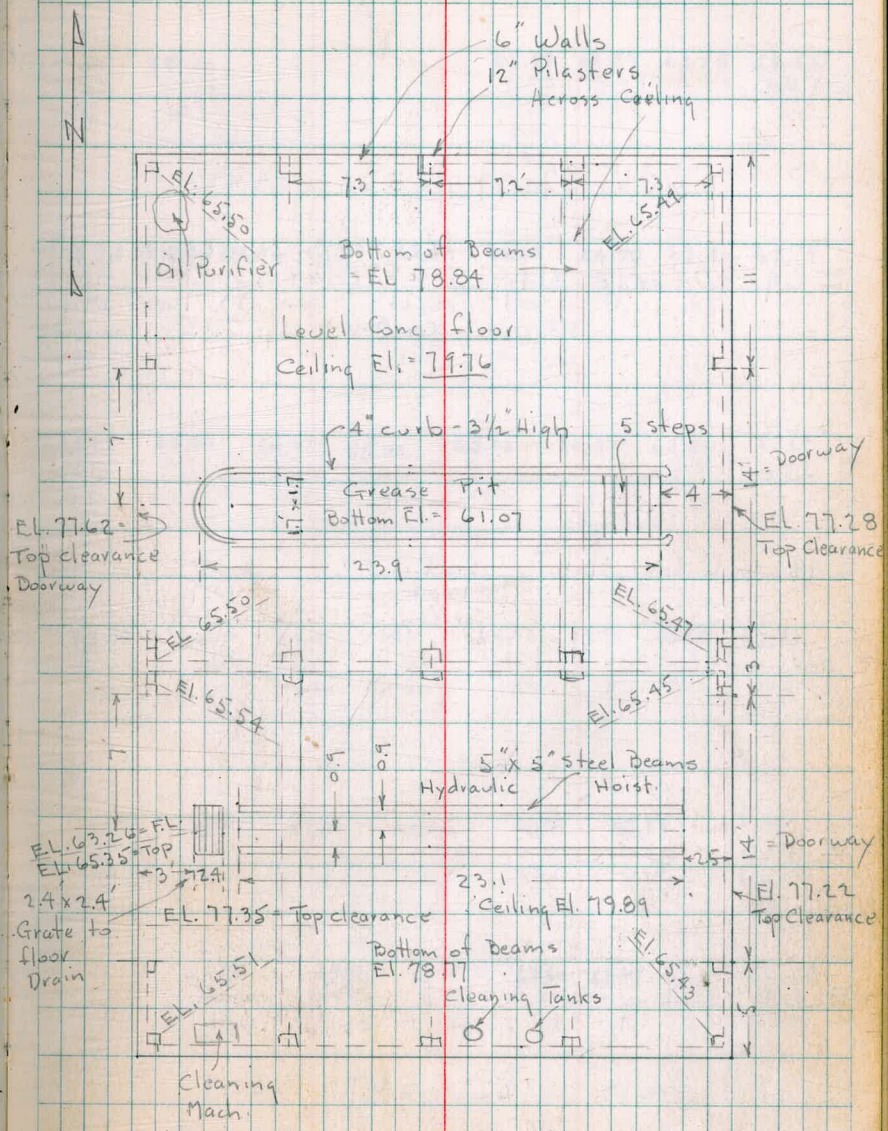
25

50

Detail of Conc. Slab N. of Bldg. + Gas Pump Islands



Detail of inside of Bldg.



2851 11-1-48

W.O. 60127 7.0

E 80

T.P. 6.35 70.77 5.24 64.42

E 69 = W. edge Bldg

65.07 65.12 65.35 65.40 65.45
4.59 4.54 4.31 4.26 4.21
210 200 180 160 147
Cor. Conc. Slab. edge Conc. Cor Bldg on Conc.

E 60

5.13
216

E 44 - W.L. Conc. Slab. 5.61 N 10.0 = Cor Conc. 5.40 N 40.9 Cor. Conc.

E 40

E 20

E 0.0 = along Drive

4.33 69.66 5.67 65.33
0.77 71.09 70.23

Northings 45

65.44 65.46
5.33 5.31
155 147
along Bldg

65.57 64.89 63.78 63.95
5.20 5.88 6.99 6.82
100 95 80 60
along Bldg

70.77

65.31 65.48 65.51 65.49 65.49 65.49 64.70 63.86 63.79
4.15 4.18 4.15 4.17 4.17 4.17 4.96 5.80 5.87
141.3 136 122 119 105 100 95 80 60
edge Conc. Drwy Drwy =Cor. Bldg. on Conc.

64.62 64.90 64.93 65.00 65.02 64.97 63.80 63.61
5.04 4.76 4.73 4.66 4.64 4.69 5.86 6.05
200 180 160 140 120 100 80 60
edge Conc.

63.96 64.10 64.10 64.01 64.03 63.91 63.68 63.51
5.10 5.56 5.56 5.65 5.63 5.75 5.98 6.15
200 180 160 140 120 100 80 60

63.88 63.71 63.71 63.66 63.55 63.38 63.47
5.18 5.95 5.95 6.00 6.11 6.28 6.19
180 160 140 120 100 80 60

64.13 63.91 63.75 63.60 63.49 63.37 63.29
5.53 5.75 5.91 6.06 6.17 6.29 6.37
180 160 140 120 100 80 N60

69.66

002

E 103

65.33	65.32	65.37	65.34	65.31	64.77	64.03	64.06
4.60	4.61	4.56	4.59	4.62	5.16	5.90	5.87
155	147	141.5	120	100	95	80	60
		edge Conc.		edge Conc.			

E 100

65.14	65.40	65.42	65.43	65.45	65.43	64.91
4.79	4.53	4.51	4.50	4.48	4.50	5.02
216	155	147	141.5	136	122	119.6
Cor. Conc.	edge Conc.	on Conc.	edge Conc. E+W.		Drwy.	F.L.

65.41	65.43	65.42	64.20	65.37	65.43	64.80	64.0	64.0
4.52	4.50	4.51	5.73	4.56	4.50	5.13	5.93	5.93
119.6	119	105	104.6	104.6	100	95	80	60
Top Grate	Drwy.		F.L.	Top Grate	= Cor. Bldg			

T.P. 5.51 69.93 6.35 64.42

69.93

63.58
7.19
80.9 = Top Grate = Bottom filled with grease

E 84.8 - N 80.9 = ℄ of 34 x 22 Grate to inlet (34 E+W)

70.77

Additional Levels for Wash Bldg.
in City Shops

Roberts
W. Moore
Clark
Gregory
12-9-48

INDEXED

E 125					
E 115					
E 105					
E 95					
E 85					
E 75					
BM	5.51	70.82	65.31	Chisel Cross N100 & 103E See pg. 46 this F.B.	

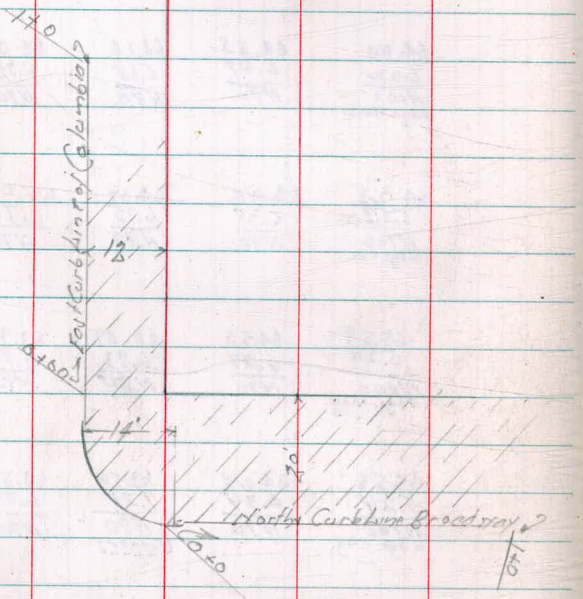
64.38 6.44 N100 Edge Conc.	64.26 6.56 N90	64.21 6.61 N80	64.18 6.64 N70	64.21 6.61 N60	64.31 6.51 N50
64.80 6.02 N100 Edge Conc.	64.35 6.47 N90	64.14 6.68 N80	64.07 6.75 N70	64.09 6.73 N60	63.15 6.67 N50
64.23 5.59 N100 Edge Conc.	64.44 6.38 N90	64.07 6.75 N80	64.04 6.78 N70	64.02 6.80 N60	64.12 6.70 N50
65.58 5.24 N100 Edge. Bldg.	64.53 6.29 N90	63.89 6.93 N80	63.92 6.90 N70	64.00 6.82 N60	63.95 6.87 N50
65.58 5.24 N100 Edge Bldg.	64.48 6.34 N90	63.58 7.24 N80 (Grate)	63.83 6.99 N70	63.88 6.94 N60	63.89 6.93 N50
65.52 5.30 N100 Edge. Bldg.	64.47 6.35 N90	63.86 6.96 N80	63.67 7.15 N70	63.76 7.06 N60	63.87 6.95 N50

70.82

Cross Section East Curb Columbia
Broadway to 100' North

170

These curbs are in to practically
Established Grade BJ and [illegible]



166

150

125

070 = N.L. Broadway

BM	7.17	23.36		1619	SW BF Broadway & Columbia

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

48

E.C. Columbia

18.82	19.46		19.72
4.54 Cut	3.90		3.64 12 = EL
18.39	19.00		19.54
4.97 Cut	4.31 CL		3.79 12 = EL
18.25	18.90		19.20
5.11 Cut	4.41 CL		4.14 12 = EL
18.01	18.65		18.78
5.35 Cut	4.71 CL		4.12 12 = EL
17.82	18.41		18.69
5.54 Cut	4.95 CL		4.87 12 = EL

23.36

Cross Section North Curb Broadway
Columbia 20+00' East

INDEXED

140

175

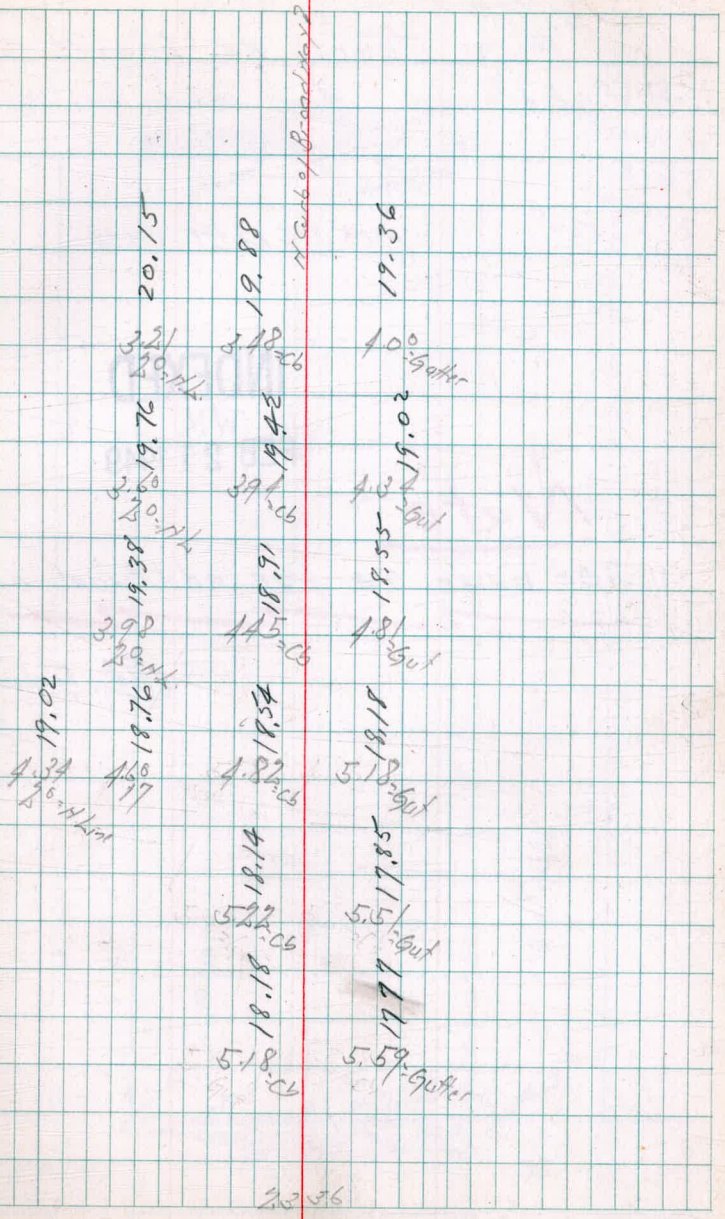
150

125

070 = FL-Columbia

Return

23+36



X-Sect. Alley Block 13
Ocean Beach Park
From Ebers to Sunset Cliffs
between Muir and Voltaire

Roberts
W. Moore
Clark
2-17-49
W.O. 2500

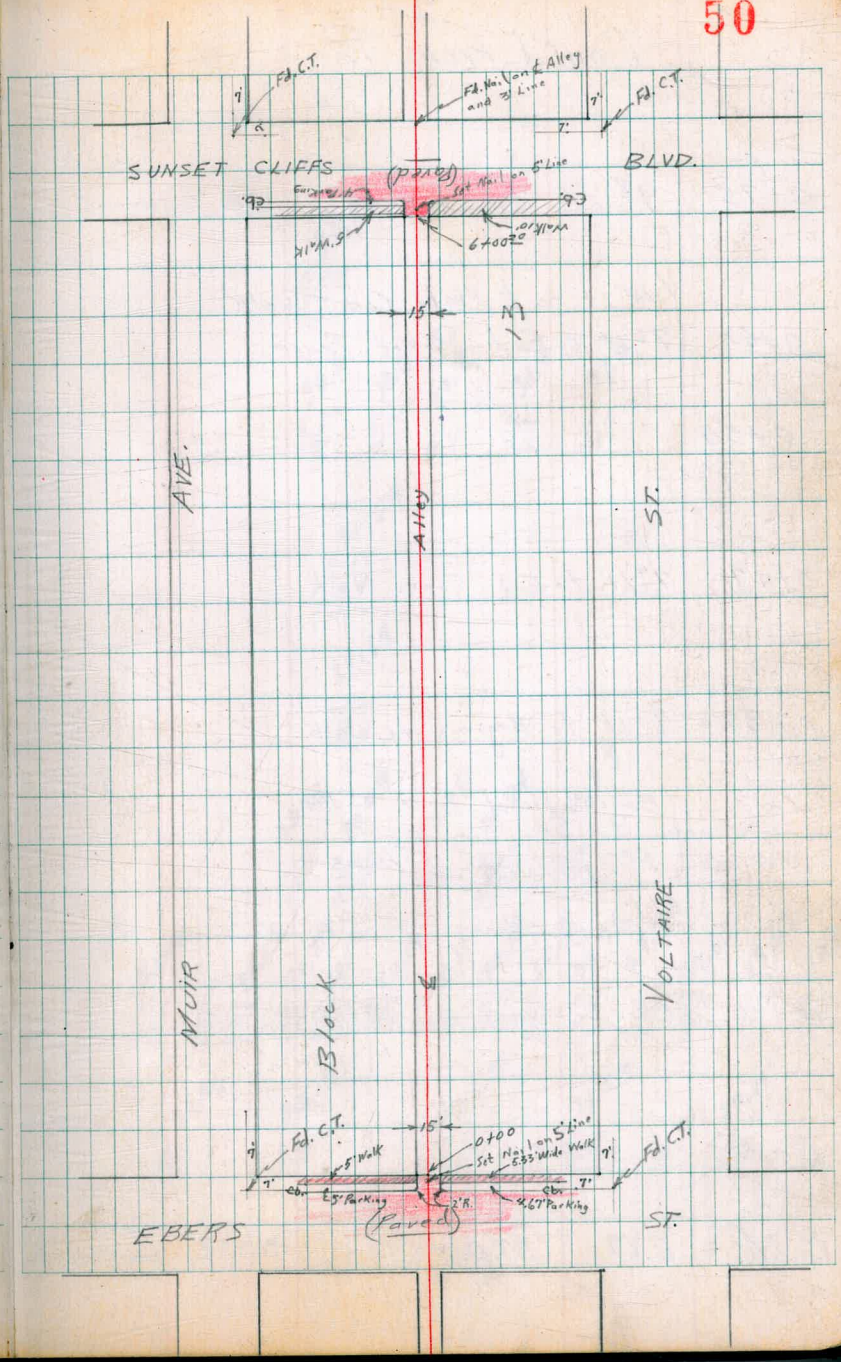
T.P. 696
T.P. 13, FB 1251, 1338

INDEXED
WK
FEB 21 1949

Note

See page 7A for additional notes

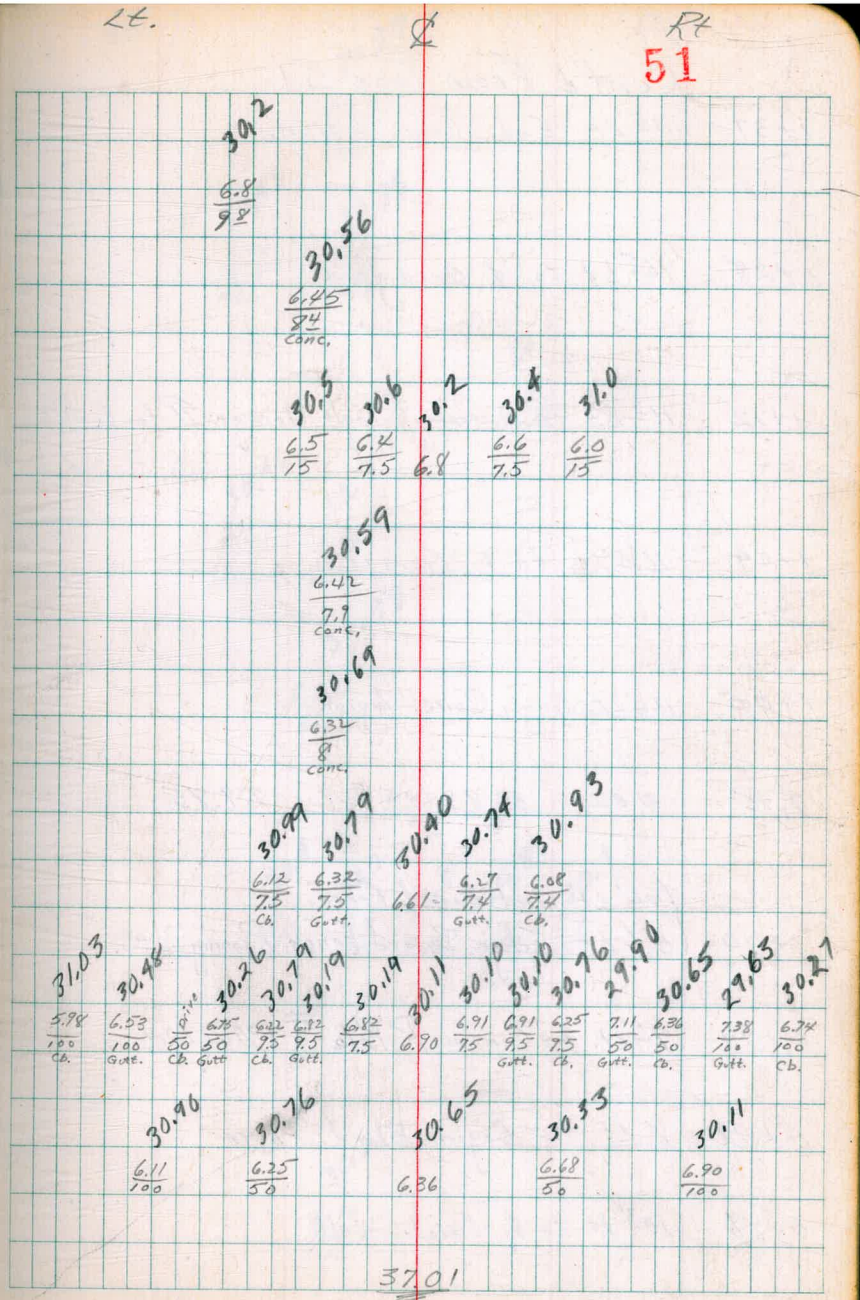
CRD 5/4/50



Cont'd From Page 50

0+75	9.8' Lt. to Center Double Garage			
0+62	8.4' Lt. to 2' Wide Conc. Walk 7.2' Lt. to End Picket Fence			
0+50				
0+47	7.9' Lt to End Conc. Walk			
0+39	8.0' Lt to Begin Conc. Walk.			
0+00	Begin Picket Fence 8.1' Lt. Prop. Line Ebers			
0-10	Curb Line on Ebers			
0-30	℄ Ebers St.			
BM	6.89	37.01	30.12	SW BP Voltaire and Ebers

Reduced for Easement



Cont'd From Page 51

1+37	11.5' Lt End. Conc. Apron.			
1+28	16.5' Lt to ℄ Garage			
1+12	11.2' Rt to Openning Single Garage ⊥ to ℄ Alley			
1+09	16.5' Lt to ℄ Garage			
1+05	11.6' Lt. Begin Conc. Apron			
T.P.	4.02	33.87	7.16	29.85
1+00	8.6' Lt. End Board Fence 5.2' Lt Edge Board Fence Running N & S.			
0+99	9'-Lt. to Center P. Pole # PA 4724			
0+92	8' Lt to Begin Board Fence			
0+88	10.3' Lt to ℄ 1' wide Walk			

37.01

Lt. ℄ Rt.

30.31
3.59
11.5
Conc.

30.43
3.44
16.5
Floor

30.35
3.57
11.5
Conc

30.3
3.6
11.2

30.46
3.41
16.5
Floor

30.37
3.50
11.6
Conc.

30.39
3.48
11.6
Conc.

33.87

30.4 30.0 29.8 29.8 30.1
6.6/15 7.0/7.5 7.2 7.2/7.5 6.9/15

30.21
6.80
10.3
Conc.

37.01

Cont'd From Page 52

2+19	18½' Lt to W. End Double Garage
2+01	6.7' Lt to Center P. Pole # P.A. 4734
	18½' Lt to E. End Double Garage
2+00	7.8' Lt End Board Fence
1+94	12½' Rt ℄ Single Garage
1+90	7.8' Lt to Begin Board Fence
1+86½	15½' Lt to End 3 Car Garage
1+62	15½' Lt to Begin Three Car Garage
1+50	
1+44	12½' Lt to ℄ Single Garage

33.87

Lt. ℄ Rt 53

29.15 29.08
4.72 / 18.4 Floor
4.79 / 12.2 Conc.

29.19 29.19
4.68 / 18.5 Floor
4.68 / 12½ Conc.

29.4 29.2 28.9 29.3 29.1
4.5 / 15
4.7 / 7.5
5.0
4.6 / 7.5
4.8 / 15

29.0
4.9 / 12½

29.59
4.34 / 15½ Conc.

29.59
4.29 / 16 Conc.

29.9 29.8 29.5 29.7 30.1
4.0 / 15
4.1 / 7.5
4.4
4.2 / 7.5
3.8 / 15

29.8
4.1 / 12.9

33.87

Cont'd From Page 53

2+94.5 17.8' Rt. to W. End Double Garage & Begin Board Fence

2+87. 7.6' Lt to Begin Board Fence

2+81 13.4' Lt to ℄ Single Garage

2+77 18'-Rt E. End Double Garage

2+67 12.3' Lt. to ℄ Single Garage

2+55 12.2' Lt to ℄ Single Garage

2+50

2+43.5 8' Lt to W. End Porch (Bottom step)

2+34 9.8' Lt to E. End Porch

33.87

Lt. ℄ Rt.

28.17 5.70 / 16.6 conc.

28.22 5.65 / 17.8 Floor

28.57 5.50 / 13.4 Floor

28.27 5.60 / 12.3 conc.

28.22 5.63 / 16.7 conc.

28.33 5.54 / 18.1 Floor

28.28 5.59 / 12.3 Floor

28.17 5.70 / 5.8 conc.

28.3 5.6 / 12.2

28.4 5.5 / 15

28.4 5.5 / 7.5

28.2 5.7

28.1 5.5 / 7.5

28.6 5.3 / 15

28.45 5.42 / 8 conc.

28.3 5.6 / 8

30.19 3.08 / 7.8 conc.

28.1 5.2 / 7.8

33.87

Cont'd From Page 54

3+70	7.8' Rt to ℄ Single Garage			
3+51				
T.P.	4.52	32.27	6.12	27.75
3+50	7.2' Lt End of Picket & Begin Wire Fence			
3+45	7.8' Rt to Edge Single Garage ℙ to ℄ Alley			
3+29	7.2' Lt Begin Picket Fence 7.1' Lt. w. Edge Apron			
3+18.5	13.1' Lt to ℄ Single Garage			
3+11.5	7.1' Lt End Board Fence & E. Edge Apron			
3+01	6.1' Lt to Center P. Pole # PA 4750			
3+00				

33.87

Lt. ℄ Rt.

27.3
5.0
7.8

27.1
4.6
15

27.5
4.8
7.5

27.9
4.9

27.8
4.5
7.5

32.27

27.1
6.2
7.2

27.70
6.7
7.7
conc.

28.13
5.74
13.1
Floor

27.85
6.02
7.7
conc.

28.1
5.8
15

28.0
5.9
7.5

27.85
6.02
M.H.

27.9
6.0
7.5

28.2
5.7
15

33.87

Cont'd From Page 55

4+61 72' Rt Begin Board Fence

4+55 15± Lt to E. Edge Double Garage

4+50 13± Rt to ℄ Double Garage

4+45 8± Lt End Board Fence

4+43 6± Rt End Wire Fence

4+25 { 8½' Lt End Board Fence 8± Begin Board Fence
{ 7± Rt End Board Fence Begin Wire Fence

4+06± 78' Lt Begin Board Fence

4+00 76' Rt End Wire Fence Begin Board Fence

3+95± 172' Lt to ℄ Single Garage

3+90± 8' Lt End Wire Fence

3+86 6± Lt to Center P. Pole # PA 4760

3+75 78' Rt Begin Wire Fence

32.27

Lt. ℄ Rt.

27.63 27.38

4.64 / 15.4 Floor

4.89 / 12.3 conc.

27.4 27.3 27.0 27.2 27.54

4.9 / 15

5.0 / 7.5 5.3

5.1 / 7.5

4.73 / 13.5 conc.

27.2 27.2 27.1 27.6 27.6

5.1 / 15

5.1 / 7.5 5.2

4.7 / 7.5

4.7 / 15

27.51

4.76 / 17.2 conc.

32.27

Cont'd From Page 56

5+21.5	7.2' Lt Begin Board Fence
5+15.5	6.9' Rt Begin Board Fence
5+10	10.3' Lt ℄ Double Garage
5+06	12' Rt to ℄ Single Garage
5+06	6.7' Lt to Center P. Pole #PA4776
4+99	8.3' Rt End Board Fence
4+97	7.2' Lt. End Board Fence
4+87	7.2' Lt Begin Board Fence
4+76.5	10.7' Lt. to ℄ 3' Wide Conc. Walk
4+70	15.4' Lt W. Edge ~~Double~~ Garage

32.27

Lt. ℄ Rt.

26.9
5.4
10.3

27.3
4.95
12.2
Floor

27.2
5.1
7.5

27.0
5.3
7.5

27.0
5.3

27.0
5.3
7.3

27.5
4.74
10.7
conc.

27.62
4.65
15.4
Floor

27.37
4.90
12.3
conc.

32.27

Cont'd From Page 57

6+00.20 Prop. Line on Sunset Cliffs

5+77 { 8.6 to Bldg.
8.1' Rt to Edge Sidewalk continvation of Apron

5+71.5 9.8' Lt to Cor. Single Garage .TP to ℄ Alley

5+57 13.6' Rt ℄ Single Garage

T.P. 4.50 31.37 5.40 26.87

5+51.5 6.8' Rt End Board Fence

5+50

5+49.5 7.5' Lt. End Board Fence

5+43 7.4' Rt End Apron

5+34 7.4 Rt Begin Apron on Foundation of Dwelling

32.27

26.98
11.39
8.7
Conc.

27.60
11.37
9.8
Conc.

26.79
11.58
8.8
Conc.

26.95
11.42
13.6
Floor

31.37

27.3
5.0
15

27.0
5.3
7.5

26.7
5.6

26.9
5.4
7.5

26.90
5.37
7.4
Conc.

26.91
5.36
7.4
Conc.

32.27

Cont'd From Page 58

Check		5.73	25.64 = 25.62
6+30.20	℄ Sunset Cliffs		
6+10.20	Curb Line on Sunset Cliffs		
6+00.40	Pav. Edge.		

31.37

Lt. ℄ Rt. 59

SWBP Sunset Cliffs & Voltaire

25.93			26.19					26.01					
5.44			5.18					5.36					
50			M.H.					50					
26.20	25.96	26.47	25.82	25.85	25.82	25.86	25.81	26.51	25.62	26.35			
5.17	5.91	4.90	5.35	5.52	5.55	5.57	5.56	4.86	5.78	6.02			
50	50	9.5	9.5	7.5		7.5	9.5	9.5	50	50			
Cb.	Gutt.	Cb.	Gutt				Gutt	Cb.	Gutt.	Cb.			
	26.73		26.55		26.23		26.52		26.79				
	4.67		4.82		5.14		4.85		4.58		Bldg.		
	7.5		7.5				7.46		7.46		8.6		
	Cb.		Gutt				Gutt		Cb.				

31.37

Lot 31 Blk 3 Orangewood

D. Smith
W. Moore
J. Clark
F. Acuna

Levels for Drainage

Rear 4375-44th St

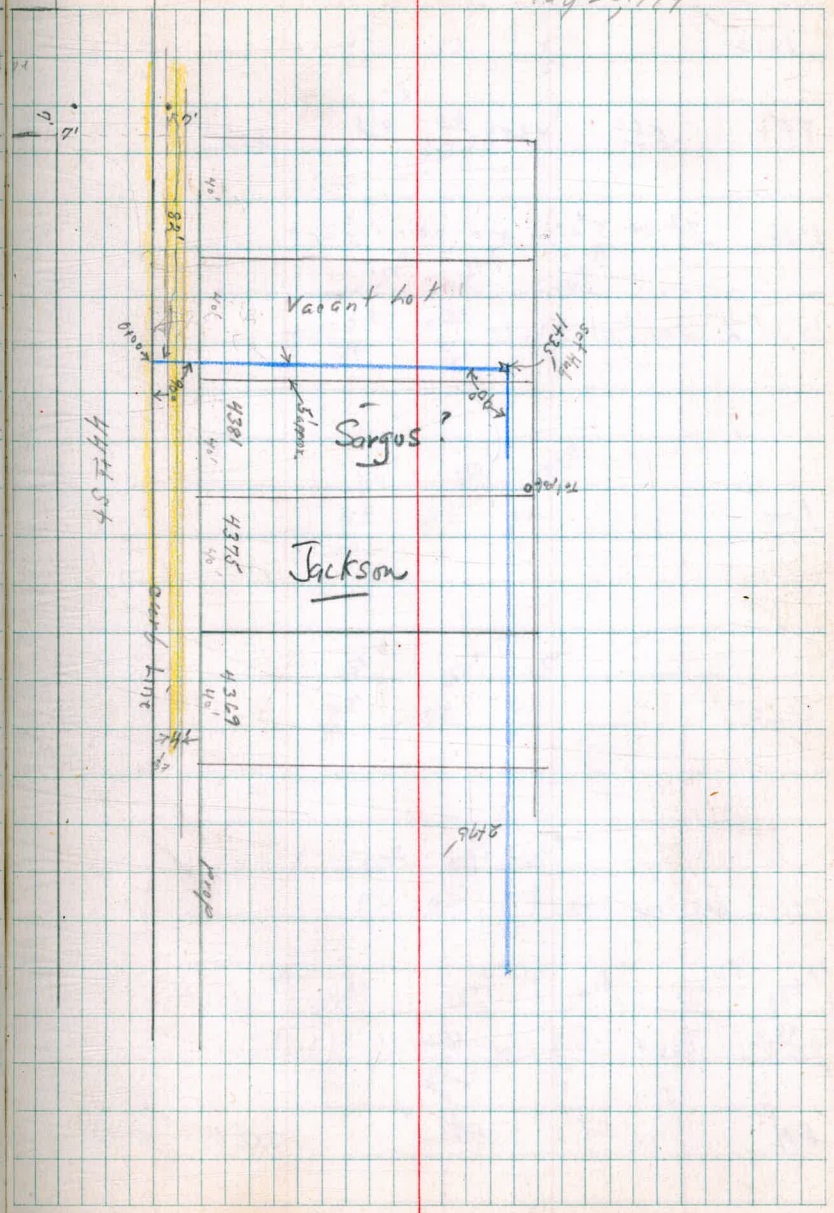
Meade Ave

INDEXED
WK
MAY 26 1949

WO #21001

May 25 1949

60

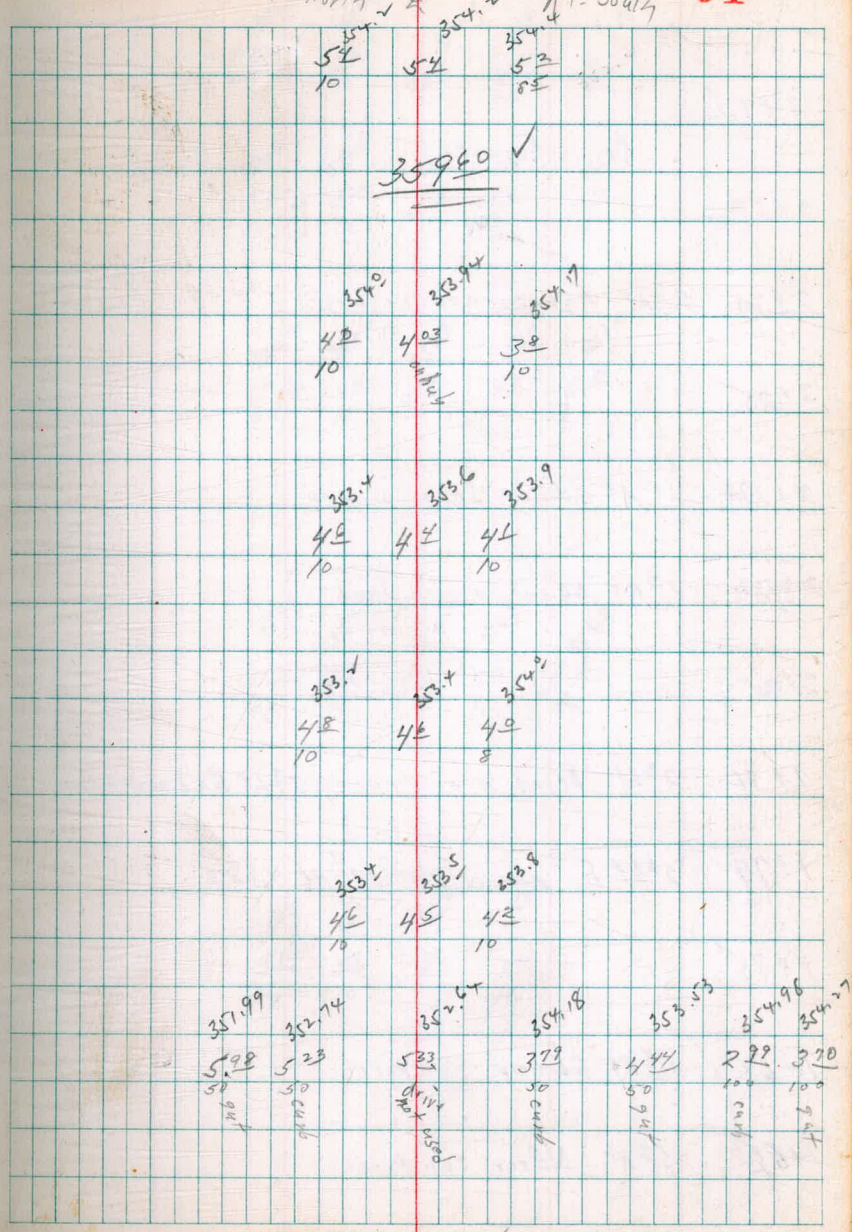


Levels for Drainage of Rear 4375 - 44th St

1+50					
TP	5.66	359.60	4.03	353.94	
1+36	3 ft 4 ft 5' high wire & wood fence				
1+35	Lt. split of angle				
1+00					
0+50					
0+10	East prop 44th St				
0+00	East curb Line 44th St.				
BM	5.59	357.97 ✓		352.40	N.W. B.F. 44th & Meade

Lt = North ✓ Rt = South

61



2+75	
2+50	
2+30	2° Lt End wire fence begin 5' Rick+ Fence
2+25	
2+195	1° Rt SE cor Shed wooden
2+125	1° Rt NE cor wooden Shed
2+00	
1+81	2° Lt Begin wire fence 3° Lt End wire fence Shift
1+79	2° Lt ℄ power pole # pc 4383
1+75	
1+68	5½ Rt SE cor con porch
1+62	5½ Rt NE cor con porch

Lt ℄ Rt

354.9	354.8	354.5	355.1	355.1
47	48	52	46	45
20	10		10	20
354.6	354.5	353.9	353.8	353.9
59	54	52	58	57
10	10		10	20
354.4	354.7	353.8	353.7	353.6
52	54	58	59	60
20	10		10	30
354.3	354.3	354.0	353.9	353.8
53	53	56	57	58
20	10		10	20
354.0	353.8	354.2	354.2	
56	58	54	54	
20	10		10	

359 60

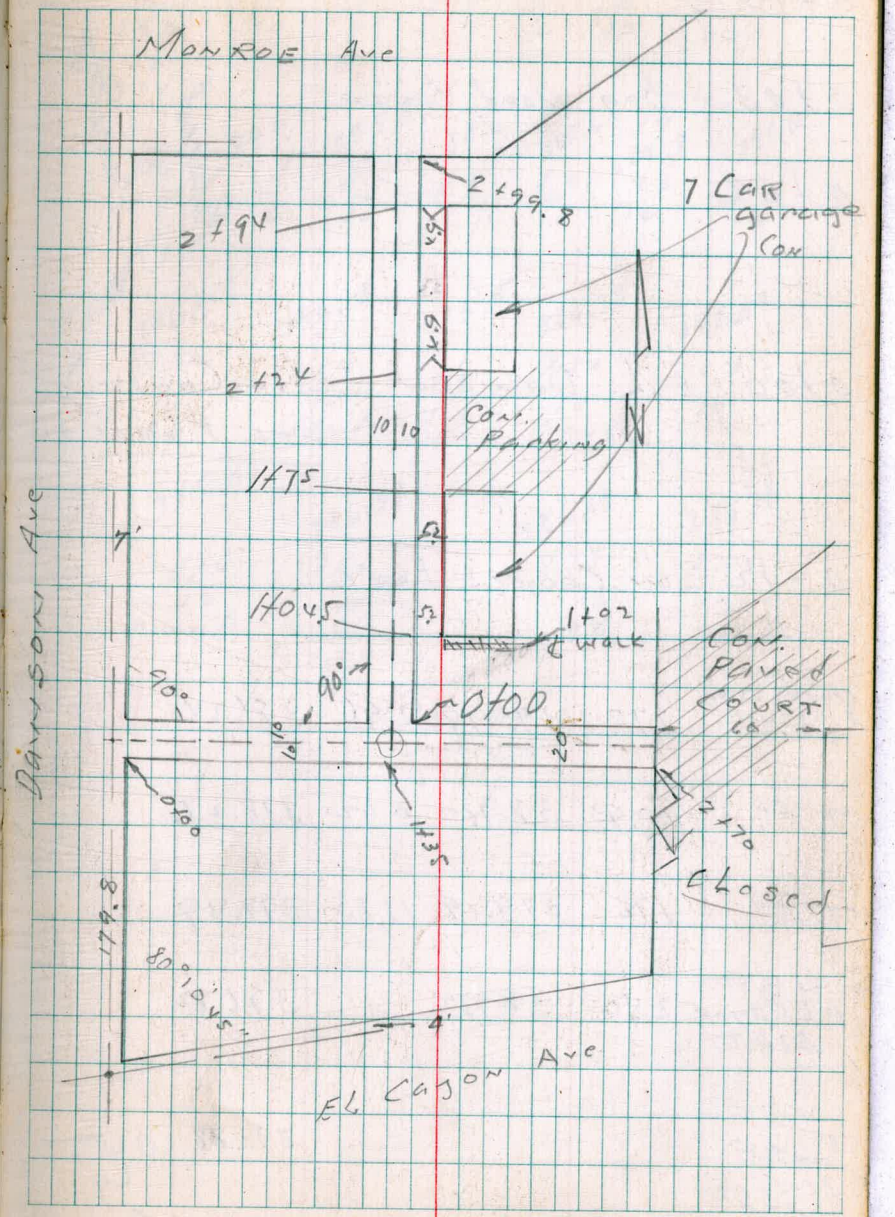
X sec Alleys
Blk 1 Alhambra Park

Moore
Begg
Shonnard

W.O. 25020

7-11-49

Ref. 1633-61



0+16

0+03 Beg. Wood fence

Balanced by J. Barnett

0+02

0+00 E. L. Dawson (under Const.)
See Plan

0-12 on Crown's Feet

T.P. Chisel Cut S. Return 0-12	7.75	393.99	2.96	386.24	Use to BM.
T.P.	10.93	389.20	0.92	378.27	
T.P.	1.70	379.19	11.83	377.49	
SWBP El Cajon 51ST	2.50	389.32		386.82	
SWBP El Cajon and 580				393.88	OUT by STATE

389.7 Lt
4.3
13.2
5 Edge Drive

389.3
4.7
10

388.4
5.6
C

388.3
7

388.4
5.6
C

390.2
3.8
10

390.4
3.6
20

Fence
10

381.1
6.3
12

385.8
8.2
10

385.9
8.1

385.6
8.4
8

389.1
4.3
10

390.0
4.0
20

387.2
6.8
13.2

386.41
7.52
10
C6

386.15
7.84
10
crown ft.

385.5
8.5
Sub.
gr.

386.15
7.84
10
crown ft.

386.32
7.67
10

Sedalia Elkhart Cor. Ltr.

385.83
8.16
12
crown ft.

386.31
7.62
10
C6

386.24
7.75
10
C6

385.74
8.25
12
Crown ft.

393.99

1+47 SW Cor. Bd + Bar. Dwelling

1+45 E.L alley to N.

1+35 E alley to N

1+25 W.L alley to N.

0+87

0+55

0+50

0+26.5 End fence

393.99

House

10.8

391.5 2.5 / 10

391.8 2.2

392.1 1.9 / 10

392.3 1.7 / 13

391.6 2.4 / 10 0+00 to North

391.89 2.10 M.H. RIM

392.1 1.9 / 10

392.3 1.7 / 13 x Motel

391.6 2.4 / 10

391.6 2.4

392.0 2.0 / 10

392.1 1.9 / 13 Motel

391.0

S.E. Cor. gar. / 12

391.2 3.0 / 10

391.5 2.8

391.7 2.5 / 10

2.3 / 13 ← Motel

S.W. Cor. garage / 12

W. entrance

390.6 2.4 / 13.7 S. Edge Dr

390.4 3.6 / 10

390.4 3.6

391.0 3.0 / 10

390.0 4.0 / 13.7 S edge Dr

389.8 4.2 / 10

389.4 4.6

389.5 4.5 / 5

390.5 3.5 / 10

fence / 10

390.6

3.4 / 13

N.W. Cor. Motel

393.99

L & P 66

2+70 = Wedge of Paved Court

2+59 CTR 18' Cabin

2+40

2+35 CTR 12' Cabin

2+15 CTR 12' Cabin

1+95 CTR 12' Cabin

1+70 CTR of 14' Cabin

1+65 S.E. Cor. Bd + Batt House

1+57 NE Cor Stucco Motel

393.99

393.20 — 0.79 / 10 Conc.

393.16 — 0.83 Conc.

393.09 — 0.90 / 10 Conc.

392.5 — 1.5 / 20

392.7 — 1.3 / 10

392.6 — 1.4

392.8 — 1.2 / 10

Cabin / 10.6

392.0 — 2.0 / 20

392.2 — 1.8 / 10

392.5 — 1.5

392.6 — 1.4 / 10

Cabin / 10.6

391.7 — 2.3 / 20

391.8 — 2.2 / 10

392.0 — 2.0

392.2 — 1.8 / 10

Cabin / 10.6

House / 10.8

Motel / 13

393.99

Xsec of N+S alley
Sketch P.C3

1+00 Offsets to CTR of Poles

0+75

0+50 Beg. Wood fence

0+34

0+14 11.8 R. NW Cor Cabin

0+00 = N.L. E+W alley Elev. P.C5

T.P 4.42 395.96 2.45 391.54

393.99

L ℄ R 67

389.8 389.8 P.I. 390.4 390.4
C.7 / 20 — 6.2 / 12 — A 44°41' — 5.6 / 10 — 5.6

390.0 390.0 390.8 390.6 390.7 390.7
6.0 / 20 — 6.0 / 12 — 5.2 / 10 — 5.4 — 5.3 / 10 — 5.3 / 20

390.3 390.2 390.6 390.3 390.5
5.7 / 20 — Fence / 11.2 — 5.8 / 10 — 5.4 — 5.7 / 10 — 5.5 / 20

390.3 390.4 390.6 390.9 390.9
5.7 / 20 — 5.6 / 10 — 5.4 — 5.4 / 10 — 5.1 / 20

391.0 390.9 391.0 391.0 391.3
5.0 / 20 — 5.1 / 10 — 5.0 — 5.0 / 10 — 4.7 / 20

395.96

2+24

1+99.5 C+R Con. Curb Park

2+00 end fence on Lt

1+75 10.2 Lt to fence

1+39.7 10.8 Lt. to fence

1+04.5 Beg. 7' Con gar.

1+02 ℄ of 5' Con Walk

39596

℄ ℄ ℄ ℄ ℄ ℄ ℄

390.5 390.6 391.0 391.2 391.5 391.99 Surface gar. Rt.
5.5 5.4 5.0 4.8 4.5 3.97
20 10 10 14.9

390.3 390.3 390.8 391.1 391.6 391.95
5.7 5.7 5.2 4.9 4.4 4.01
20 12 10 10 15.1 Con. Park Lot

PP
Fence PA. 4x8'
10.2 8.8

390.1 390.2 390.8 391.2 391.6 391.91
5.9 5.8 Fence 5.2 4.8 4.4 4.05 = Mini Con
20 11 10.2 10 10 15.2 gar.

389.9 389.9 390.5 391.1 391.5 391.91
6.1 6.1 5.5 4.9 4.5 4.05
20 12 10 10 15.2 Con. ℄ Gar. Ft

389.1 389.8 390.4 390.6 391.0 391.90
6.3 6.2 5.6 5.4 5.0 4.06 Sur Con gar.
20 12 10 10 15.2 Con. gar. Ft.

391.36
4.60
15.2
Walk.

39596

Check to Orig. B.M.			0.1 ✓	386.8 ✓	386.8 ✓ 0.0 ✓
T.P.	13.5	386.96	11.00	373.81	
T.P.	0.75	384.81	10.3 ✓	384.06	
T.P.	2.82	394.40	✓.38	391.58	

3+11.8 5 C6 Monroe

2+99.8 S.L. Monroe See PLAN

2+94

2+82 P.P.J.P.A. 4491 8.5 LT

2+59

2+50 Beg. Picket Fence

395.9 ✓

390.0
5.96
12 crown ft

390.36
5.60
12 crown ft.

End Fence 10

390.61
5.35
10
C6

390.24
5.72
10
crown ft

390.1
5.9

390.56
5.40
10
crown ft

390.99
4.97
10
C6

391.2
4.8
20

391.4
4.6
10

391.8
4.2

391.9
4.1
10

392.04
3.92
14.9 — N.W. Cor. 7 Garage

Fence 19

390.1
5.3
20

390.9
5.1
10

391.4
4.6

391.7
4.3
10

392.01
3.95
14.9 99 ft.

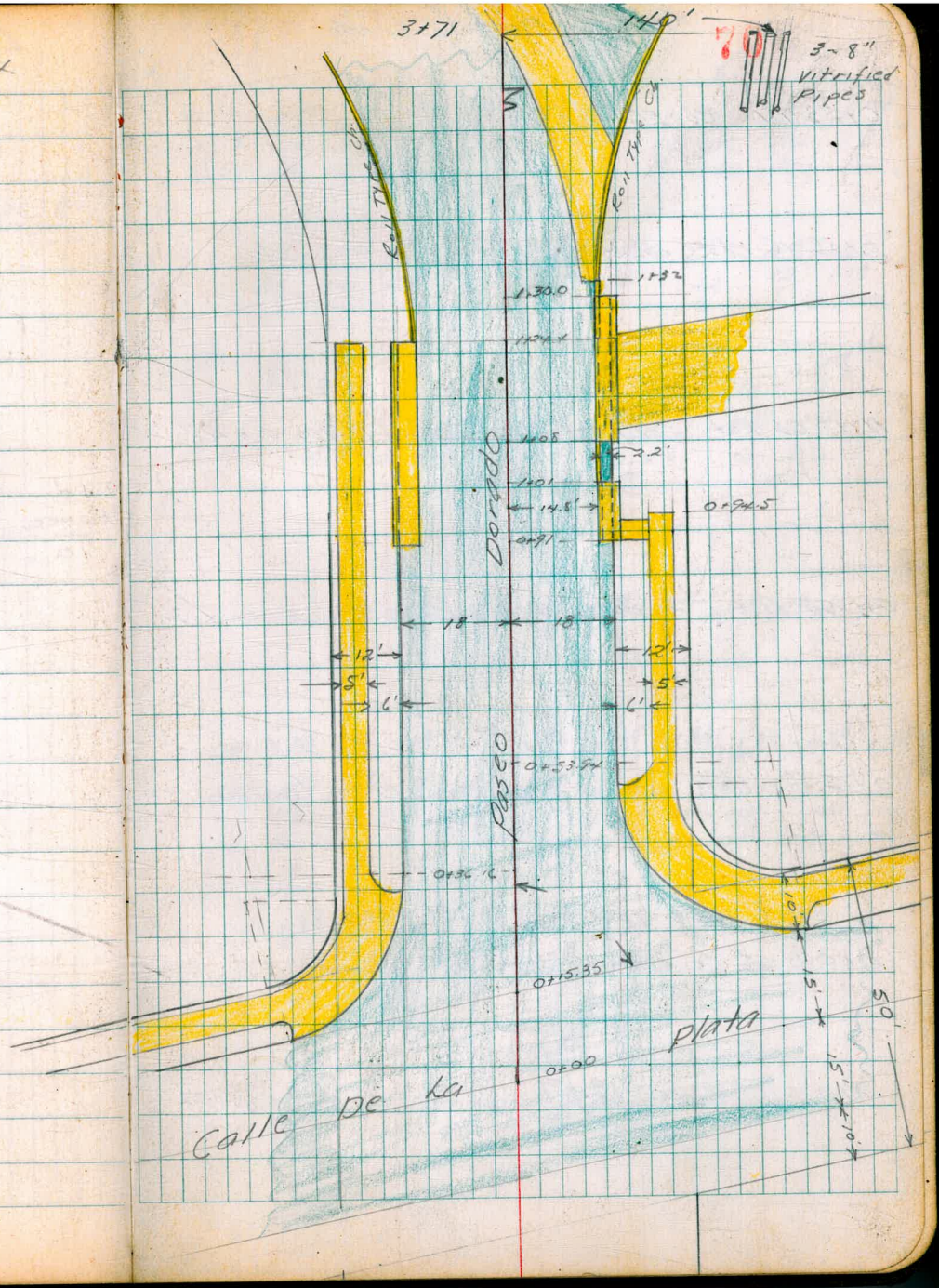
Fence 10.1

395.96

9-21-49
Hendricks
Roberts
Greer
Bunch
WO# 25020

X Sect Paseo Dorado
Calle De La Plata to West

INDEXED
W.K.
SEP 22 1949



Levels Paseo Dorado

0+53.94 Cb. EC on Rt.

0+36.16 Cb EC on Lt.

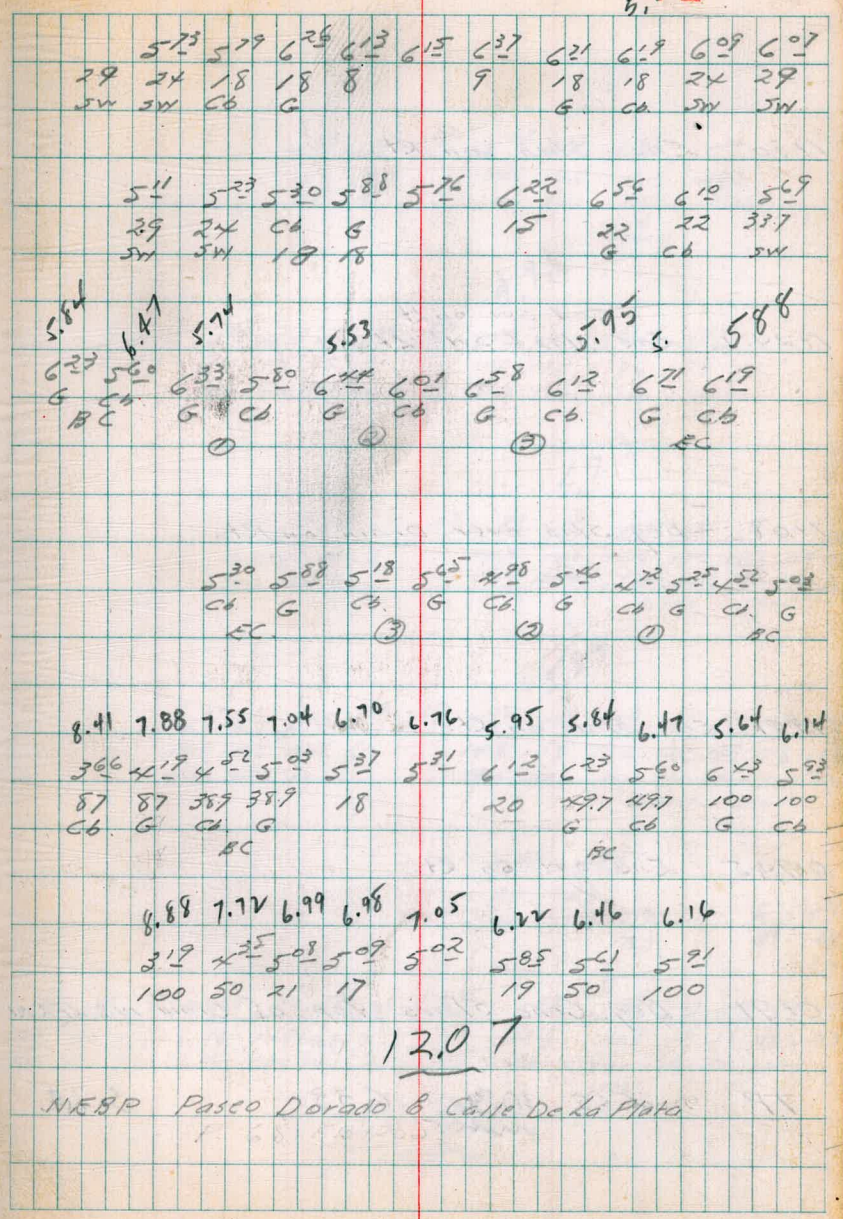
NW Cb Rct. 4 parts BC on La Plata L=48'

SW Cb Rct 4 parts BC on Calle De La Plata L=36'

0+15.35 West Cb Line Calle De La Plata (Parallel to La Plata)

0+00 E Calle De La Plata (Parallel to La Plata)

BM 4.20 12.07 7.67



Contd.

1+30 End Slab on Rt.

End SW on Lt.

1+24.4 End Slab & SW Lt

1+08 Beg. Slab over Drain on Rt.

1+01 End Slab on Rt.

0+94.5 End. SW on Rt.

0+91 Beg. Conc. Slabs top of Drain 14.8' LT & RT

TP. 4.62 10.36 6.33 5.74

72

4.39 4.73 4.62 5.22 5.10 6.98 5.30
15.9 13.2 14.6 14.6 16.6 18.6
CB G Pav Slab Drain & Drain Slab

A.96

5.48 5.40 4.64 4.63 4.72 4.67 5.40 5.24 5.31 3.95
29 24 19 15 15 14.6 14.6 18.6 33
SW Slab Slab Slab Pav. Slab Slab Slab Drive.

5.73

4.70 4.69 5.09 4.77 4.78 5.59 5.13 5.62 6.21 6.38 5.83 5.20
10.6 14.8 19.8 8 14.8 14.8 (15.6 15.6 17.8 17.8 19.6
Slab Slab Pav Pav. Slab Top Btm) (Btm Top) Slab
Drain Drain

5.28

4.71 4.67 5.20 4.81 4.82 5.49 5.08 5.43 6.19 6.26 5.68 5.06
18.6 14.8 14.8 6 14.8 14.8 15.6 15.6 17.8 17.8 18.6
Slab Slab Pav Pav. Slab Top Btm (Btm Top) Slab
Drain Drain

5.46 5.34
24 29
SW SW

5.22 5.37
29 24
SW

5.13

4.74 4.83 4.59 4.99 5.65 4.62 5.39 4.89 4.83 5.56 4.98 6.03 5.46 5.07 5.07
29 24 18.6 18 18 14.8 14.8 7 14.8 14.8 18 18 18.6 21.3
SW SW Slab CB G Slab Pav. Pav. Top Slab G CB Slab

10.36

Contd.

BM	10.36	270	7.66

3+71 ℄ Oorado Projected
Outlet 7" 8" Vitrified Pipes 140° Rt.

1+50 ℄ Projected

℄ 73

Starting Brg.

11°
140

5.81 6.18

4.50 4.78 4.56 4.55 4.55 4.8
192 185 10 21 22
Cb G Fox Cb

10.36

Alley Blk 13 Ocean Beach Park

5/4/50

Sommermeyer
Begg
Allen
Sherman

W.O. 31892

Original notes on P. 50 - 58

Top ob. 0+00 - 7.4 Lt. for check 3.27 30.94 (30.93)

2+71 13.5 Rt. = end same

2+49 13.5 Rt. = start double Gar. Conc. floor no apron.

1+00 7.4 Rt. = end same

0+16 7.3 Rt. = start Conc. slab in back of fire station

T.P.	3.60	34.21	5.14	30.61
SW B.P. Voltaire + Ebers	5.63	35.75	—	30.12

Reduced 5-5-50 P.K.S.

29.93
5.28
13.5
Gar. floor

28.92
5.29
13.5
Gar. floor

29.71
4.50
7.4
on slab

29.88
4.33
16.4
on slab

30.61
3.60
7.3
on slab

34.21

39.81
3.40
15.5
on slab at Bldg

Hdd. Elev. + Location of changes in Data in Alley - Block 6 - Mt. View.
See Orig. X-Sect - P. 23
5635 9-13-51 — 7.0.
W.O. 31889

3+71 - 8.5' Rt. = ℄ W.M.
3+50 - 8.8' Lt. = ℄ W.M.
3+07 - 9.4' Lt. = ℄ W.M.
3+02 - 8.8' Rt. = ℄ W.M.
2+75 - 9' Rt. = ℄ W.M.
2+63 - 8.6' Lt. = ℄ W.M.
2+39 - 8.9' Rt. = ℄ W.M.
2+33 - 7' Lt. = ℄ W.M.
1+76 - 9.6' Rt. = ℄ W.M.
1+70 - 6.7' Lt. = ℄ W.M.
1+60 - 9' Rt. = ℄ W.M.
1+40 - 10.1 Lt. = ℄ W.M.
1+12 - 9.4' Lt. = ℄ W.M.
0+77 - 9.2' Rt. = ℄ W.M.
0+57 - 7.8' Lt. = ℄ W.M.
0+55 - 8.1' Lt. = ℄ W.M.
0+24 - 8.3' Rt. = ℄ W.M.
0+03 - 10' Rt. = end wall

0+00 - 10' Rt. = Beg. 6" Conc. wall
Actual Elev. shown.

Lt. ℄ Rt. 75

42.31
8.8
pipe

42.18
9.4 = pipe

43.00
8.5 = pipe

42.45
8.8 = pipe

42.75
9 = pipe

41.62
8.6 = pipe

41.68
8.9 = pipe

41.65
7 = Pipe

41.00
9.6
pipe

40.65
6.7
pipe

41.11
9 = pipe

40.30
10.1
Pipe

40.19
9.4
Pipe

40.70
9.2
Pipe

39.63
7.8
Pipe

39.67
8.1 = pipe

39.44 = Top Pipe in Meter
8.3

40.11
10 = Top

39.81
10
Bottom
of wall
at end.

40.20
10
Top wall

5+60 - 9' Rt. = ℄ W.M.

5+44 - 8.4' Lt. = ℄ W.M.
4+99 - 8.5' Rt. = ℄ W.M.
4+95 - 7.5' Lt. = ℄ W.M.
4+77 - 8.1' Lt. = ℄ W.M.
4+64 - 8.8' Rt. = ℄ W.M.
4+38 - 9.6' Lt. = ℄ W.M.
4+10 - 9.8' Lt. = ℄ W.M.

Lt. ℄ Rt.

46.36
9=pipe

45.79
8.4=pipe

45.75
8.5
pipe

44.93
7.5=pipe

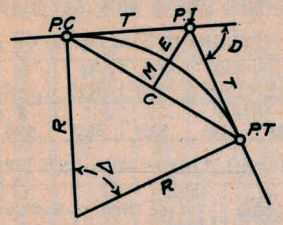
44.62
8.1=pipe

44.51
8.8
pipe

43.63
9.6=pipe

42.67
9.8=pipe

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=Rtan$\frac{\Delta}{2}$ (3) Length of Curve=L=100$\frac{\Delta}{D}$ (4)

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

External=E=Ttan$\frac{\Delta}{4}$ (7)=R ÷ cos.$\frac{\Delta}{2}$—R(8)=Rexsec$\frac{\Delta}{2}$(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÷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÷(2 x 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′.

Tank
Rack
High + wide - doors
4 - cars inside

502
633
269

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.

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