DIETZGEN

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.

1603

S.E.B.P. San Fernando
St—0.600
400' N.W.L. S.F. P.O. 666.8P+0.631

P.S. 514

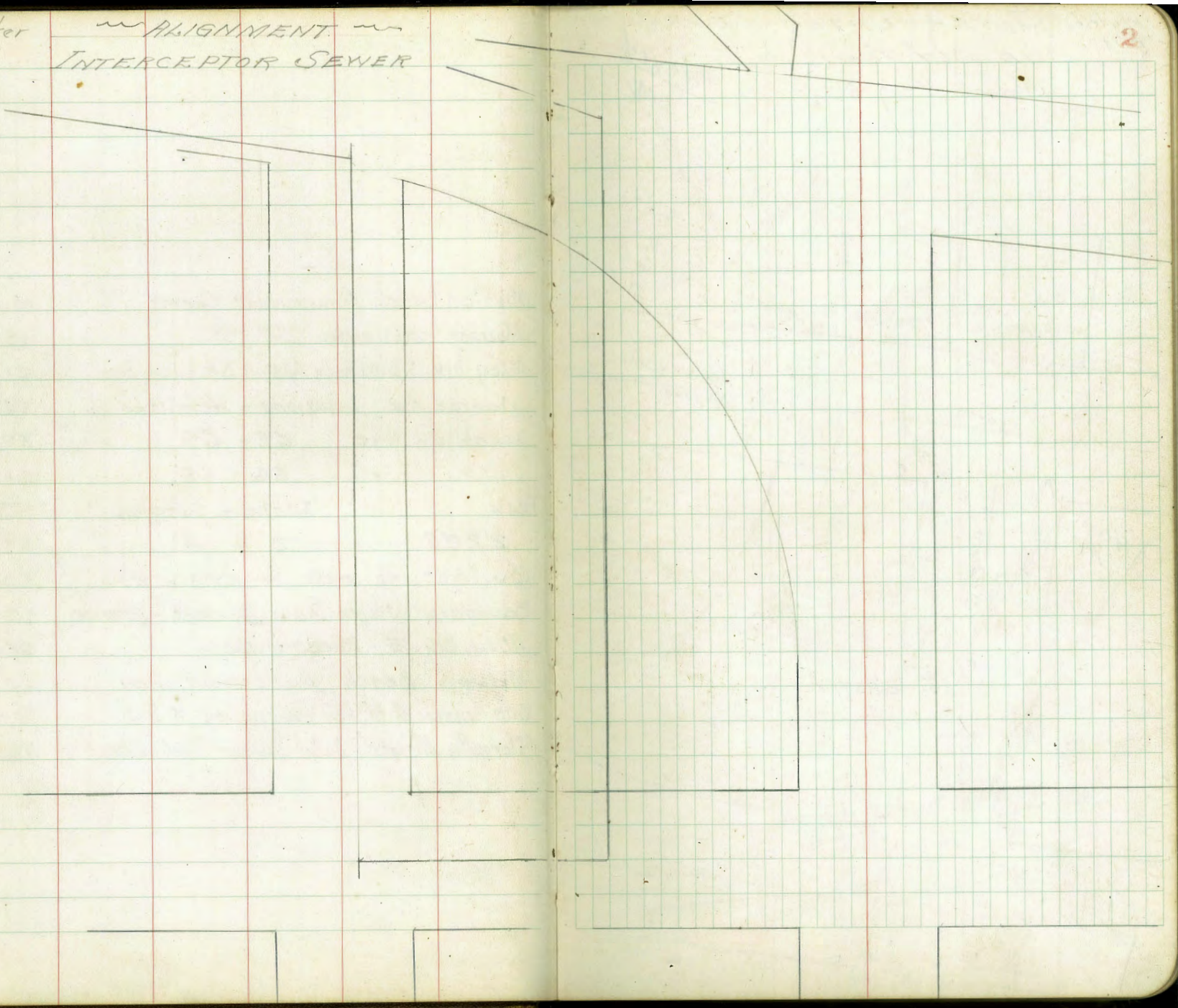
CITY ENGINEER'S OFFICE

The paper stock of this book is made 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.

Walker
Bliss

ALIGNMENT
INTERCEPTOR SEWER

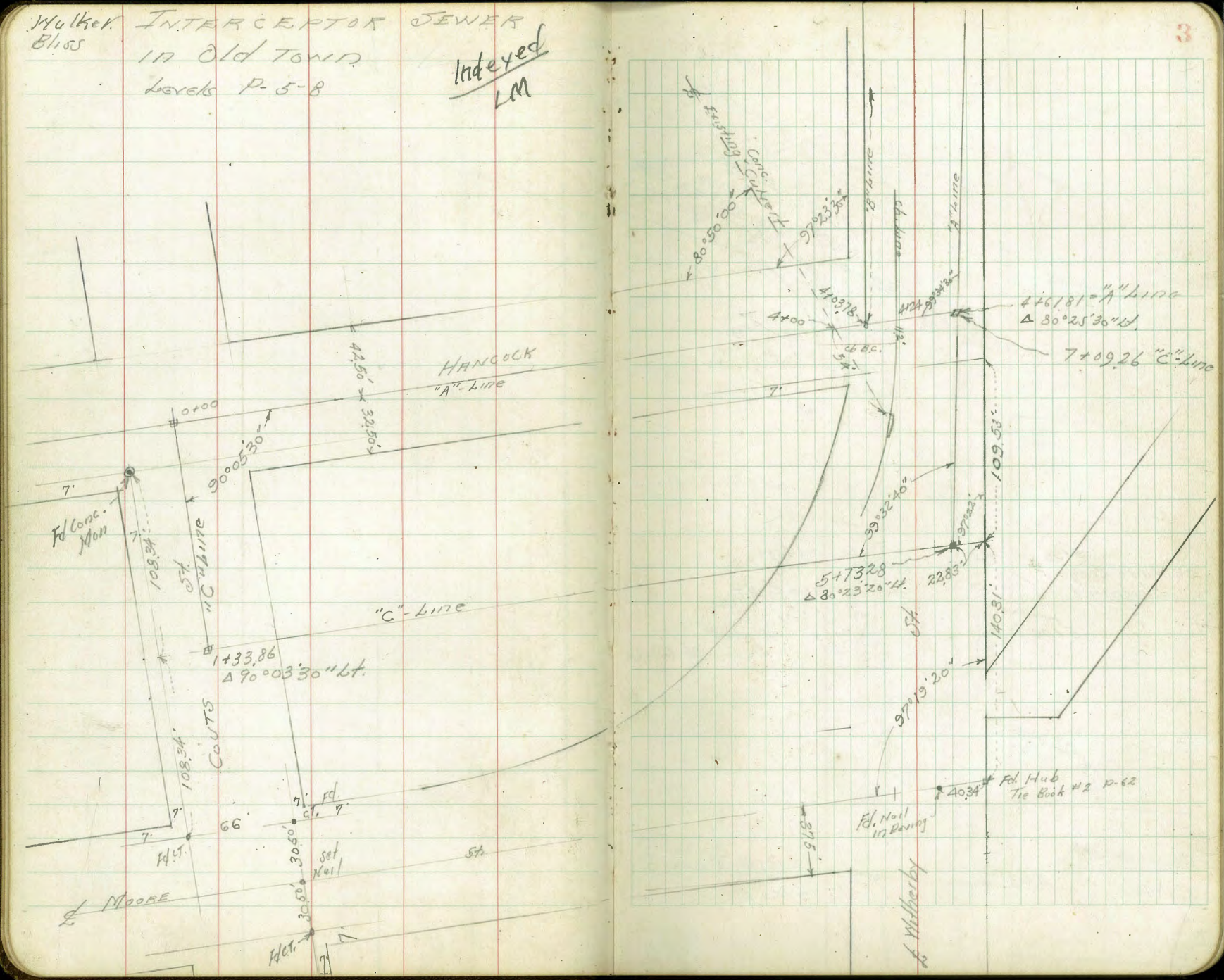


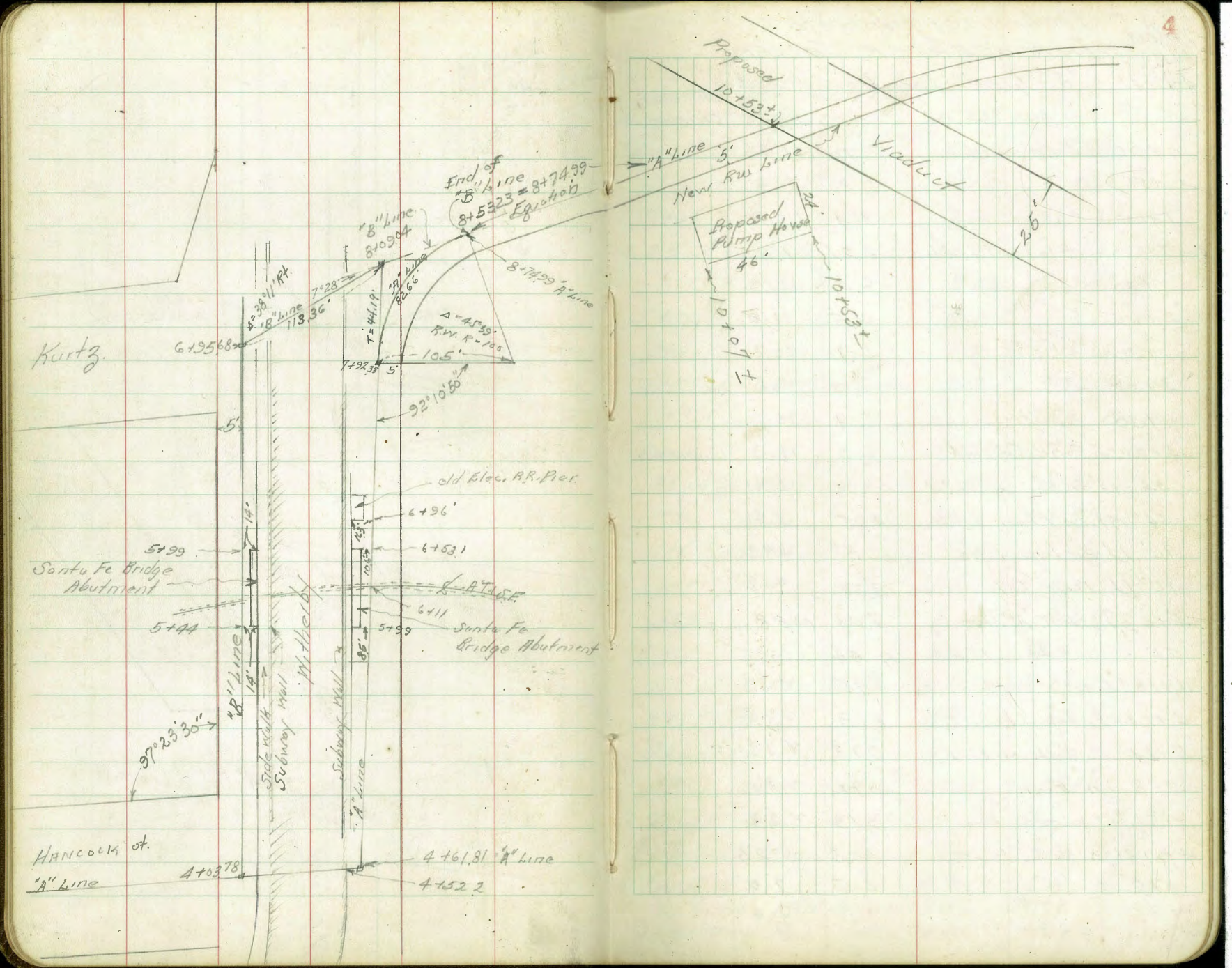
Walker Bliss

INTERCEPTOR SEWER IN OLD TOWN

Levels P-5-8

Indexed LM




Kurtz
End of "B" Line 8+74.99 = 8+53.23 Equation
"B" Line 8+09.04
8+74.99 "A" Line
7°28'
"B" Line 113.36'
T = 44.19'
82.6'
Δ = 45°39'
R.W. R = 100'
105'
7+92.35
5'
92°10'50"
6+95.68
5'
14'
5+99
Santa Fe Bridge Abutment
5+44
"B" Line
97°23'30"
Side walk
Subway Wall
Subway Wall
"A" Line
HANCOCK St.
"A" Line
4+03.78
old Elec. R.R. Pier
6+96'
6+83.1
℄ A.T. & S.F.
6+11
5+99
Santa Fe Bridge Abutment
4+61.81 "A" Line
4+52.2
Proposed 10+53.7
"A" Line
5'
New R.W. Line
Viaduct
Proposed Pump House
24'
46'
10+07
10+53.7
25'

Preliminary Levels

Walker
Bliss

INTERCEPTOR SEWER

4-19-41 "A"-Line Location P-3-4

			2.51	B.M. State chisled square in cb & Courts.
	11.55	14.06		
0+00 "A" Line on Stub.		2.70	11.36	
+50		2.8	11.3	
1+00		3.1	11.0	
T.P.	5.61	17.46	2.21	11.85
+50			6.3	11.2
2+00			6.5	11.0
+50			6.7	10.8
3+00			7.0	10.5
+50			6.7	10.8
4+00 = ℄ Conc. Culvert			6.2	11.3 Ground
54' Rt. on cb over Inlet			10.05	7.41
54' Rt. on Flow 30" Pipe			14.05	3.41
96' Lt. on top Pipe			12.53 2.70	4.93
96' Lt. Flow, Culv.			13.28	4.18
4+03.78 = P.O.T. "A" Line			7.08	10.38 on Hub.
T.P.	5.46	11.48	11.44	6.02
4+18 = E. edge Walk.			8.75	7.73
4+24 = E. top cb.			8.73	7.75
4+24 = E. Gut. on Pav.			9.13	7.35
+38 on Pav.			9.02	7.46
T52.2 = Wedge Pav.			9.19	7.29
4+61.81 = Δ 80°25'30" Lt.			5.23	6.25
+75			4.5	7.0
+85			7.1	4.4

Highway N.W. Pacific

(4+72) 10' Lt. on N cbd Subway Wall	8.94	7.54
" " " " Pav.	10.11	1.37
5+00	7.2	4.3
9.3' Lt. on Wall	12.50	-1.02
" " " Pav.	9.02	2.46
5+50	8.2	3.3
5+90	7.7	3.8
12.5' Lt. = Subway Wall Face	9.02 10.05	2.46 top Wall
" " on Pav.	19.07	-7.59 Fixing.
6+00	4.3	7.2
85' Lt. on Abutment AT+SF	3.17	8.31
6+06	1.6	9.9
+8.64 = NLY Rail	9.74	10.74
6+15	1.2	10.3
+23	3.7	7.8
6+53	3.0	8.5
10.6' Lt. on Wall Abut.	3.20	8.28
6+75	4.2	7.3
7+00	5.7	5.8
T.P. 2.18 9.86	3.80	7.68
(6+61.8 = E. Elec. Pole 1.8' Rt 1.6' Dia.)		
(7+00) 16.3' Lt. on Abutment	2.6	7.3 E.Y. Face
7+20 ℄	4.7	5.2
17' Lt. on Wall Subway =	7.46	2.40
17' " " Pav. " =	14.46	-4.60

	9.86±			
(7+20 Cont.)	23.5' Rt	7.4	2.5	Apparent Floor Hummer House Consolidated Air
7+50		5.7	4.2	
7+92.33 = Δ = B.C. Rt.		6.5	3.4	R. Proposed Pipe = 105'
18' Lt. on Subway Wall		7.43	2.43	
18' Lt. " " Por		11.40	1.54	at Wall
8+00		6.5	3.4	
+50		7.2	2.7	
+74.99 = E.C.		7.0	2.9	
37' Lt. NLY edge Por.		8.59	1.27	Radial to New R.W.
9+00		6.3	3.6	
+50		5.7	4.2	
9+65		7.7	2.2	
10+00		8.1	1.8	
T.P.	8.58	9.33 ✓	9.11	0.75 ✓
10+07± = ELY edge Proposed Pump House				
71' Lt. on NLY edge Por.		8.31	1.02	
50' Lt.		8.0	1.3	
℄		7.7	1.6	
25' Rt.		7.6	1.7	
50' Rt.		7.3	2.0	
10+53± = WLY edge Proposed Pump House				
50' Rt.		8.0	1.3	
25' Rt.		8.3	1.0	
℄		8.3	1.0	
50' Lt.		8.1	1.2	
72' Lt. on NLY edge Por.		8.59	0.74	

9.33↑

Chk. B.P. B.M.	8.29	1.04	NELY Cor. Witherby & Pacific
		1.01	- State Highway
		0.03	
South NLY end Subway Wall			Bet. Hunoods & Pacific
Chk. Brass Plug	6.86	2.47	
Elev. " " = ?			

Walker. Preliminary Levels. "B" Line
Bl 188 INTERCEPTOR SEWER
4-21-41 Location P-1

	3.27	13.65 ✓	10.38	El. Stake 4+0378 P-5
4+0378 "A" Line = 4+0378 "B" Line = This Line		3.27	10.38	on Hub.
4+24 = opposite NLY end Subway Wall				
13.5' Rt. on Wall		11.36	2.35	
13.5' Rt. on Walk.		12.33	1.32	
19.5' Rt. on cb.		12.38	1.27	
19.5 Rt. " Paving.		12.98	0.67	
6' Rt.		3.6	10.1	
℄		3.6	10.1	
4+33		4.3	9.4	
10.5 Lt. = ℄ Elec Pole		4.3	9.4	
4+50		6.3	7.4	
9' Rt.		7.0	7.7	
5+00		9.5	4.2	
14.0 Rt. on Wall Subway		11.18 3.63	2.47	
14' Rt. on Walk.		14.83	-1.18	
20' Rt. " cb.		14.86	-1.21	
20' Rt. " Paving.		18.38	-4.73	
5+34 = Toe Emb. ATSF.		9.8	3.9	
14' Rt. on Wall		11.16 4.63	2.49	
14' " " Walk.		15.81	-2.16	
20' Rt. on cb.		15.87	-2.22	
20' Rt. " Paving		21.17	-7.52	

13.65

(5+25) 8.5 Lt. = Elec Pole		
" 4 Rt. = Deadman.		
" 7 " = "		
5+44 = NLY edge ATSF Abutment.		
10' Rt. on ELY edge Wall	5.36	8.29
14' Rt. " WLY " "	5.36	8.29
5+45.5 = ℄ Signal Post.	4.2	9.5 Conc. Base
4.7 Rt. = ℄ " "	2.49	11.16
5+55.08 = NLY Bal Santa Fe	2.98	10.67
5+66 = ℄ upright Switch	3.5	10.2
2' Lt. ℄ "	3.0	10.7
5+71 = ℄ Signal Post	4.3	9.4
2.5' Rt. on "	2.3	11.4 Conc. Base
5+80	8.6	5.1 Santa Fe.
6+09 = SLY end Abutment	9.6	4.1
8.5 Rt. on Ground at Wall	9.6	4.1
9' Rt. " Wall ELY edge	5.41	8.24
14' Rt. " " WLY "	5.41	8.24
6+08 = Toe Santa Fe Wall = Top Subway Wall		
14' Rt. = WLY edge Wall	11.19	2.46
14' Rt. on Walk.	15.84	-2.19
20' Rt. " cb.	15.86	-2.21
20' Rt. " Paving on Ground	21.16	-7.50
(6+22) 3.5' Rt. = ELY edge	10.5	3.2 ELY. edge Elec. RR Pier
(6+34) 3.9 Rt. " "	10.2	3.5 Conc. Pier. Ground.
6+50	9.0	4.7

	* 13.65		
6+95.68 = Δ 38°11' Rt.	9.43	4.22	
14' Rt. on Wall	11.22	2.43	
14' Rt. " Walk	13.97	−0.32	
20' Rt. on CB	14.06	−0.41	
20' Rt. " Pav.	16.96	−3.31	
(7+14) = Tel Pole 3.0' Lt.	10.8	2.9	
(7+16) Tel. MH. 9.5' Lt	10.80	2.9	
7+19.2 on Wall	11.22	2.43	
7+19.2 " Walk.	13.57	0.08	
7+29.4 on CB	13.47	0.18	
7+29.4 " Paving	15.72	−2.07	
7+55.4 = Σ "	14.95	−1.30	
7+85.8 = W.L.Y edge Paving	13.87	−0.22	at Wall
7+85.8 on West Wall	11.17	2.48	Subtrop
8+09.04 = Δ 7°28' Rt.	10.97	2.68	
8+53.23 "B" Line = End.	10.7	3.0	
= 8+74.99 "A" Line			
Chk. BP end Wall on W	11.18	2.47	P-6
		247	
		0.00	

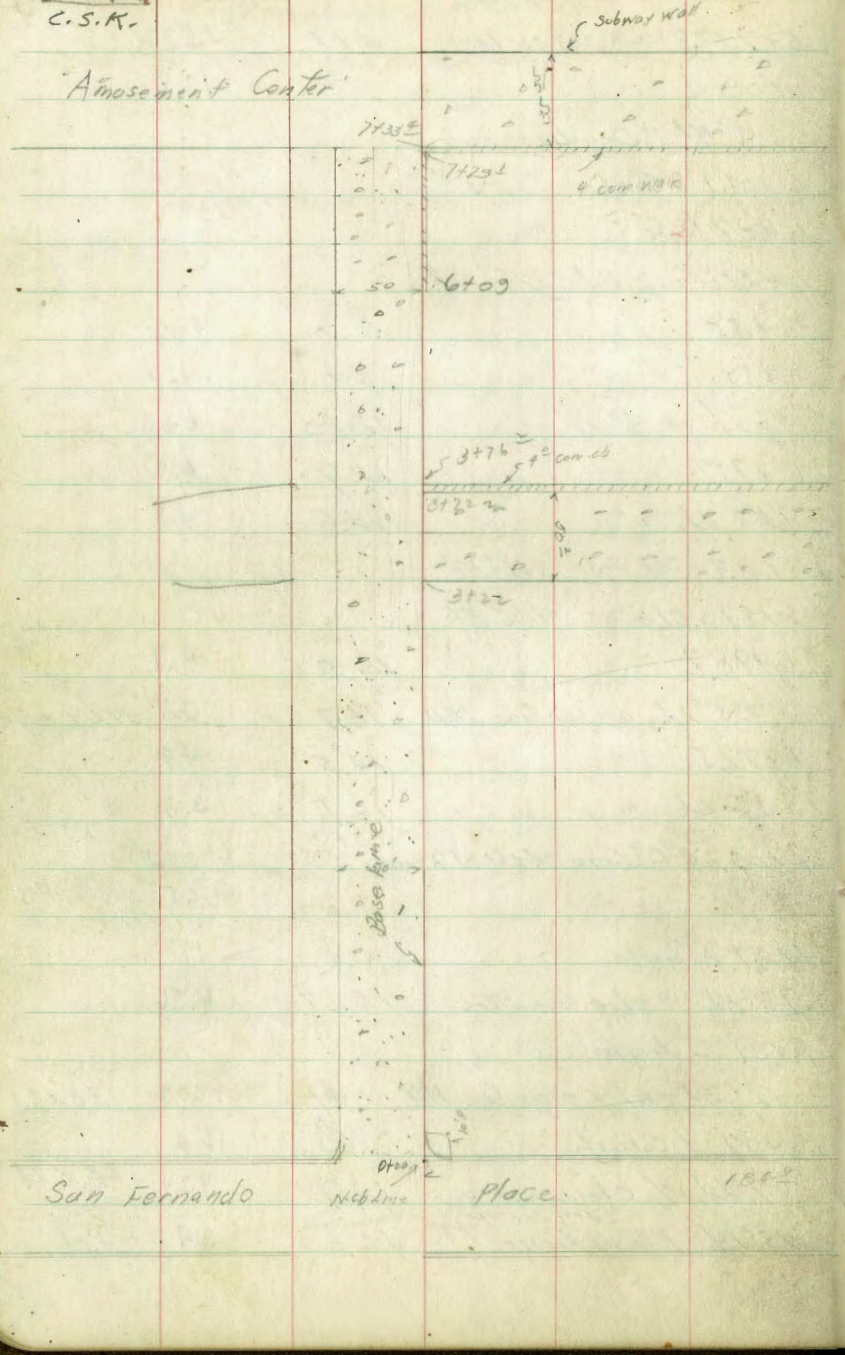
Walker. Preliminary Levels.
Bliss
5-21-41 Interceptor Sewer "C" Line
Location 19-3

	11.91	23.27	11.36	El. Stub 0+00 "A" Line P-5
0+00 "A" Line =0+00 "C" Line = this Line	11.91		11.36	on Stub.
+50	9.5		13.8	
0+82	7.1		16.2	
+88	4.6		18.7	
1+08	5.8		17.5	
+33.86 = Δ 90°03'30" Lt.	4.82		18.45	(2 of 4) on Stake
1+50	4.9		18.4	
2+00	5.0		18.3	
2+50	5.3		18.0	
3+00	5.3		18.0	
+50	5.3		18.0	
4+00	6.2		17.1	
+50	5.8		17.5	
+85	6.2		17.1	
+89 = ELY edge Walk.	7.87		15.40	
4+97.5 = " cb.	8.25		15.02	
T.P.	8.13	4.29 19.43	15.14	
4+97.5 = ELY Gut. Paving.	4.88		14.55	
5+14.5 on Pav.	4.79		14.64	
+29 " W edge Pav.	5.71		13.72	
5+35	6.3		13.1	
+42	3.0		16.1	
+50	3.6		15.8	

1943 9

5+73.28 = Δ 80°23'30" Lt.	4.11	15.32
6+00	5.6	13.8
8.5' Rt. = Deadman		
(6+06) 8.5' Rt. "		
(6+07) 8.5' " "		
(6+21) Guy Pole 8.5' Rt.		
6+35	6.8	12.6
+50	8.4	11.0
16' Lt. on Pav.	12.80	6.63
6+75	12.9	6.5
12.5' Lt. " "	14.6	4.8
6+83 = Tel Pole = 11' Rt.		
6+87 = Elec " 11.5' Rt.		
6+90.7	14.5	4.9
2.5' Lt. on Cor Gas MH	15.7	3.7 NLY edge
6+97.5	14.5	4.9
3.5' Lt. " " " "	16.1	3.3 " "
7+09.26 "C" Line = 4+61.81 "A" Line	13.17	6.26
		6.25 = Stake P-5 on Slope
(4+87 "A" Line		
9.8' Rt. W edge Gas MH.	12.87	6.56
6+91 "C" Line		
11' Rt. = ELY edge Gas MH	9.41	10.02 3.8'x3.8'
6+37 = ℄ Culvert.	7.4	12.0
7' Lt. = ℄ Cleanout Box 24" Conc. Pipe	10.19	9.24 2.5'x2.5'
13' Lt. Flow Line	16.0	3.4 at cb.

Indexed
C.S.K.



Sketch of Ground layout between N Line San Fernando Place and So Line Amusement Center Mission Beach W Line Mission Blvd and Pavement West

Areas between Base Line & West Line

0+00 to 3+22	4864 sq ft
3+76 to 6+29	21854
Sq. Ft.	70496

To surface above areas with 6" of material will require 1305 cu yds dirt.

W.R.J. 3-16-42

Bliss
Sommermeyer
G Farrow
7/16/41

	+	π ✓	−	Elev	
B.M.	7.69	7.09		−0.60	S.E. & P. Sou. Fernando Place & Mission Blvd
0+00 Paving			6.59	0.50	
10' East			6.61	0.48	
" "	Top Cb		6.08	1.01	
25' "	Paving		6.65	0.44	
" "	Top Cb		6.12	0.97	
50 "	Paving		6.74	0.35	
50 "	Top Cb		6.20	0.89	
50 " 10' North			6.2	0.9	
75 "	Paving		6.81	0.28	
" "	Top Cb		6.30	0.79	
" " 14' North			6.2	0.9	
100 "	Paving		6.95	0.14	
" "	Top Cb		6.40	0.69	
125 East	Paving		6.99	0.10	
" "	Top Cb		6.46	0.63	
150 "	Paving		7.05	0.04	
" "	Top Cb		6.52	0.57	
" " 10' North			6.5	0.6	
175 "	Paving		7.08	0.01	
" "	Top Cb		6.76	0.33	
185 East	W. Gutter Mission Blvd.		7.64	−0.55	
		0+25			
0+25			6.55	0.54	
" 25' East			5.7	0.4	

Plotted on Sta. X-Sec. paper.
7-18-1940 - C.B.H.

T.09

11

50' East		5.3	1.8
75 "		5.8	1.3
100 "		6.6	0.5
125 "		6.3	0.8
150 "		5.3	1.8
" "	9' South	5.3	1.8
" "	5 North	5.1	2.0
" "	10 "	3.4	3.7
168 East		4.8	2.3
172 "		6.1	1.0
176.8 "	Edge walk	6.75	0.34
186.8 "	Top Cb	7.0	0.09
" "	Gutter	7.56	− 0.47
	0+50		
0+00		6.55	0.54
15' East		5.1	2.0
25 "		5.4	1.7
50 "		4.4	2.7
50 "	3' North	3.8	3.3
75 "		4.9	2.2
" "	8 North	4.0	3.1
100 "		5.6	1.5
125 "		4.6	2.5
150 "		4.1	3.0
156 "		3.1	4.0
156 "	10' North	4.1	3.0

		7.09	
	0+50		
170 East		4.7	2.4
" "	5 North	5.1	2.0
178.75	East Edge Walk	6.69	0.40
188.75	" Topcb	6.96	0.13
" "	Gutter	7.55	−0.46
	0+75		
0+00	Paving	6.52	0.57
25	East	5.2	1.9
50	"	3.7	3.4
75	"	3.9	3.2
81	"	3.3	3.8
100	"	4.1	3.0
" "	10 South	4.0	2.7
" "	10 North	3.5	3.6
115	"	3.8	3.3
125	"	4.5	2.6
" "	15 North	4.3	2.8
150	"	4.5	2.6
" "	10 North	5.6	1.5
162	"	6.0	1.1
180.40	" Edge Walk	6.69	0.40
190.40	" Topcb	6.94	0.15
" "	Gutter	7.50	−0.41
T.P.	6.28	6.46	6.91	0.18

		6.46	
	1+00		
0+00		5.84	0.62
" 8'	East	9.7	1.8
25	"	9.7	1.8
50	"	9.7	1.8
75	"	3.2	3.3
83	"	2.3	4.2
100	"	1.7	4.8
125	"	4.6	1.9
150	"	5.3	1.2
181.2	" Edge Walk	6.04	0.42
190.6	" Topcb	6.30	0.16
"	Gutter	6.85	−0.39
	1+25		
0+00		5.79	0.67
10'	East	45	2.0
35	"	4.4	2.1
54	"	1.5	5.0
75	"	1.9	4.6
82	"	3.0	3.5
100	"	4.0	2.5
125	"	4.7	1.8
150	"	5.7	0.8
177.3	Edge Walk	6.03	0.43
188	" Topcb	6.24	0.42
"	Gutter	6.90	−0.44

T 646

150

Paving		5.73	0.73
15' East		5.0	1.5
35 "		3.0	3.5
50 "		1.5	5.0
62 "		1.7	4.8
75 "		3.1	3.4
85 "		5.1	1.4
90 "		5.1	1.4
100 "		3.6	2.9
100 "	6 North	3.5	3.0
125 "		4.6	1.9
150 "		5.4	1.1
169 ½ "	Edge walk	5.93	0.53
180.2	Top C6	6.17	0.39
" "	Gutter	6.80	−0.34

175

Paving		5.72	0.74
Ground otoo		5.1	1.4
25' East		4.6	1.9
30 "		3.6	2.9
45 "		3.5	3.0
" "	7 South	2.6	3.9
50 "		2.6	3.9
68 "		2.5	4.0
73 "		4.0	2.5

T 646

175

100 East		5.9	0.6
" "	10 South	5.5	1.0
" "	10 North	4.4	2.1
110 "		5.3	1.2
120 "		4.3	2.2
150 "		5.1	1.4
156 ½	Edge walk	5.92	0.68
168 "	Top C6	6.15	0.31
" "	"	6.78	−0.32

2 to 0

0 to 0 paving		5.68	0.78
" Ground		4.6	1.9
30 East		4.7	1.8
90 "		8.2	3.3
58 "		3.6	2.9
" "	7 South	2.4	4.1
75 "		5.2	1.3
" "	5 South	5.2	1.3
100 "		4.7	1.8
" "	10 North	4.2	2.3
125 "		5.2	1.3
149 ½	Edge walk	5.88	0.58
151 ½	Top C6	6.05	0.31
" "	Gutter	6.60	−0.14

↑ 6.46

2+25

0+00 8' West	5.5	1.0
0+00 Paving figured	5.74	0.72
0+00 Ground	3.8	2.7
30' East.	4.0	2.5
50 "	3.9	2.6
85 "	5.0	1.5
85 " 9' South	3.9	2.6
90 "	4.2	2.3
100 "	4.4	2.1
124 "	5.3	1.2
127± " Edge Walk	5.90	0.56
138± " Top C&	6.03	0.43
" Gutter	6.52	−0.06

2+50

0+00 paving	5.61	0.85
0+00 Ground	4.9	1.6
10' East	4.0	2.5
25 "	4.3	2.3
50 "	4.7	1.8
75 "	4.7	1.8
85 "	3.9	2.6
93 "	4.0	2.5
100 "	4.7	1.8
" " 5' North	5.0	1.5
" " 10 "	4.9	2.1

↑ 6.46

117 East Edge Walk	5.83	0.63
127.5± Top C&	5.99	0.47
" Gutter	6.48	−0.02

2+83

0+00 on paving	5.59	0.87
" 6' West	5.5	1.0
" 6 " 6' North	3.0	3.5
0+00 6' North	3.1	3.4
10' East	4.5	2.0
25 "	4.7	1.8
50 "	5.0	1.5
75 "	4.9	1.6
82 "	4.6	1.9
85 "	5.9	1.1
100 "	5.4	0.6
106 " Edge Walk	5.62	0.84
116.5± Top C&	5.92	0.54
" " " Gutter	6.38	0.08

3+06

0+00 paving figured	5.62	0.84
0+00 Ground.	2.6	3.9
" 6' West	5.1	1.4
" 8 North	5.1	1.4
18 East	4.2	2.3
50 "	5.0	1.5

6.45

75' East		4.8	1.7
90 "		5.2	1.3
100 "		5.7	0.8
101 Edge of Walk		5.56	0.90
111.5 Top cb		5.78	0.68
" " Gutter		6.31	0.15
			See Sketch
	3+72.5 Edge Paving.		
0+00		5.50	0.96
50' East		5.71	0.75
" " 5 South		5.1	1.4
75 "		5.78	0.68
" " 5' South		5.3	1.2
97.2 Top cb		5.30	1.16
" " Gutter	✓	5.87	0.59
T.P.	4.69 6.20	4.95	1.51
	3+72 ± N. Edge Paving See Sketch		
0+00		5.24	0.96
0+00 4' N. Edge Comcb		4.85	1.35
35' East		5.25	0.95
" 4' North Comcb		4.89	0.31
70 East		5.41	0.79
" 4' North		4.88	1.32
89.5 Int Comcb & Com Sidewalk		4.98	1.22
94.5 East Edge Walk & Top cb		5.19	1.01
" " Gutter See Sketch		5.50	0.70
104.5 W Gutter Mission Blvd		6.03	0.17

6.20

3+85

0+00 on Paving	5.18	1.02
7' East	4.6	1.6
20 "	5.3	0.9
50 "	5.3	0.9
75 "	5.5	0.7
89 "	5.6	0.6
89.5 " Edge Com Sidewalk	4.93	1.27
94.5 " Edge Pedestrian Walk	5.28	0.92
104.5 Top cb	5.50	0.70
104.5 " Gutter	5.98	0.22
	4+25	
0+00 Edge Paving	5.10	1.10
25' East	5.00	1.20
50 "	5.00	1.20
89 Ground	5.0	1.2
89.5 Edge Com Walk	4.88	1.32
94.5 " Ped "	5.22	0.98
TP 5.14	6.99 4.85	1.35
	4+75	
0+00 Paving	5.15	1.34
25' East	5.5	1.0
50 "	5.2	1.3
75 "	5.4	1.1
89 " Ground	5.2	1.3
89.5 " Edge Com Walk	5.10	1.39
94.5 " " Ped "	5.41	1.08
104.5 " Top cb	5.58	0.91
" " " Gutter Mission Blvd	6.03	0.40

5+00		
0+00 Edge Paving	5.19	1.30
Ground	5.2	1.3
25' East	5.8	0.7
50 "	5.7	0.8
75 "	5.6	0.9
89 "	5.5	1.0
89.5 " Edge Com Walk	5.07	1.42
94.5 " " Pedestrian Walk	5.41	1.08
104.5 " Top Cb	5.53	0.96
" " Gutter	6.07	0.42
5+50		
0+00 Paving	5.12	1.37
0+00 Ground	5.2	1.3
25' East	5.5	1.0
50 "	5.5	1.0
67 "	5.6	0.9
75 "	5.3	1.2
89 "	4.9	1.6
89.5 " Edge Com Walk	4.98	1.51
94.5 " " Ped "	5.32	1.17
104.5 " Top Cb	5.50	0.99
" Gutter	6.00	0.49
6+00		
0+00 Paving	4.89	1.60
0+00 Ground	4.9	1.6
5' East	4.3	2.2

10' East	5.2	1.3
25 "	5.0	1.5
50 "	5.0	1.5
75 "	5.0	1.5
89 "	5.10	1.39
89.5 " Edge Com Walk	5.10	1.39
94.5 " " Ped "	5.23	1.24
104.5 Top Cb	5.42	1.07
" Gutter	5.92	0.57
6+09 See Sketch		
0+00 Top Conc Gutter See Sketch	4.34	2.15
6+25		
0+00	4.84	1.65
4' East Top Conc Cb	4.13	2.36
10 "	4.2	2.3
25 "	4.6	1.9
50 "	4.3	1.6
70 "	4.5	2.0
75 "	4.0	2.5
89 "	4.6	1.9
89.5 " Com Walk	4.77	1.72
94.5 " Ped "	5.17	1.32
104.5 " Top Cb	5.34	1.15
" " Gutter	5.87	0.62

	6.49	6+50	
6+00		4.78	1.71
4' East		4.58	1.91
25 "		4.6	1.9
50 "		4.3	2.2
75 "		4.7	1.8
89 "		4.7	1.8
89.5 Com. Walk		4.55	1.94
94.5 "		5.14	1.35
104.5 " Top cb		5.28	1.21
" " Gutter		5.85	0.64
		6+75	
6+00 Paving		4.72	1.77
4' East		4.14	2.35
25 "		4.2	2.3
50 "		3.8	2.7
75 "		4.3	2.2
89.5 Ground		4.6	1.9
" " Edge Com walk		4.58	1.91
94.5 " Ped "		5.11	1.38
104.5 East Top		5.27	1.22
104.5 " Gutter		5.77	0.72
		7+29 Edge Com cb.	
0+00.		4.52	1.97
0+00 4.3 North Edge paving		4.52	1.92
4' East		4.04	2.45
" "	4.3 North	4.60	1.89

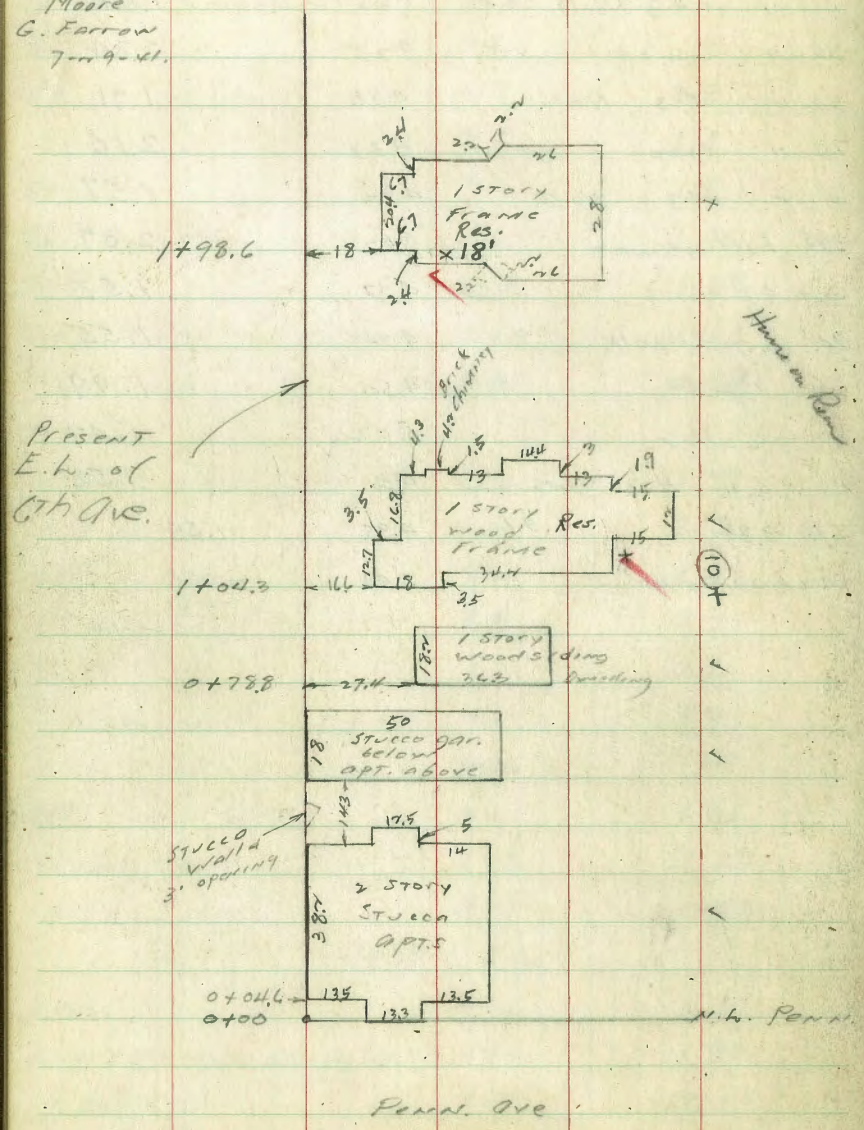
	6.49		
25' East		9.11	2.38
" "	4.3 North	4.65	1.84
50 "	Com cb	4.25	2.24
50 "	4.3 North	4.78	1.71
75 "	Com cb	4.83	2.16
" "	4.3 North.	4.92	1.57
89.5 East 1st Com walk		4.92	2.07
" "	4.3 North	4.37	1.52
94.5 Edge Ped Walk.		4.94	1.55
104.5 Top cb		4.50	1.99
" Gutter		5.02	1.47
" "	4.3 North	4.91	1.58
T.P. 3.37	4.91	4.95	1.54
Check starting BM		5.49	−0.58
			−0.60
			0.02 error

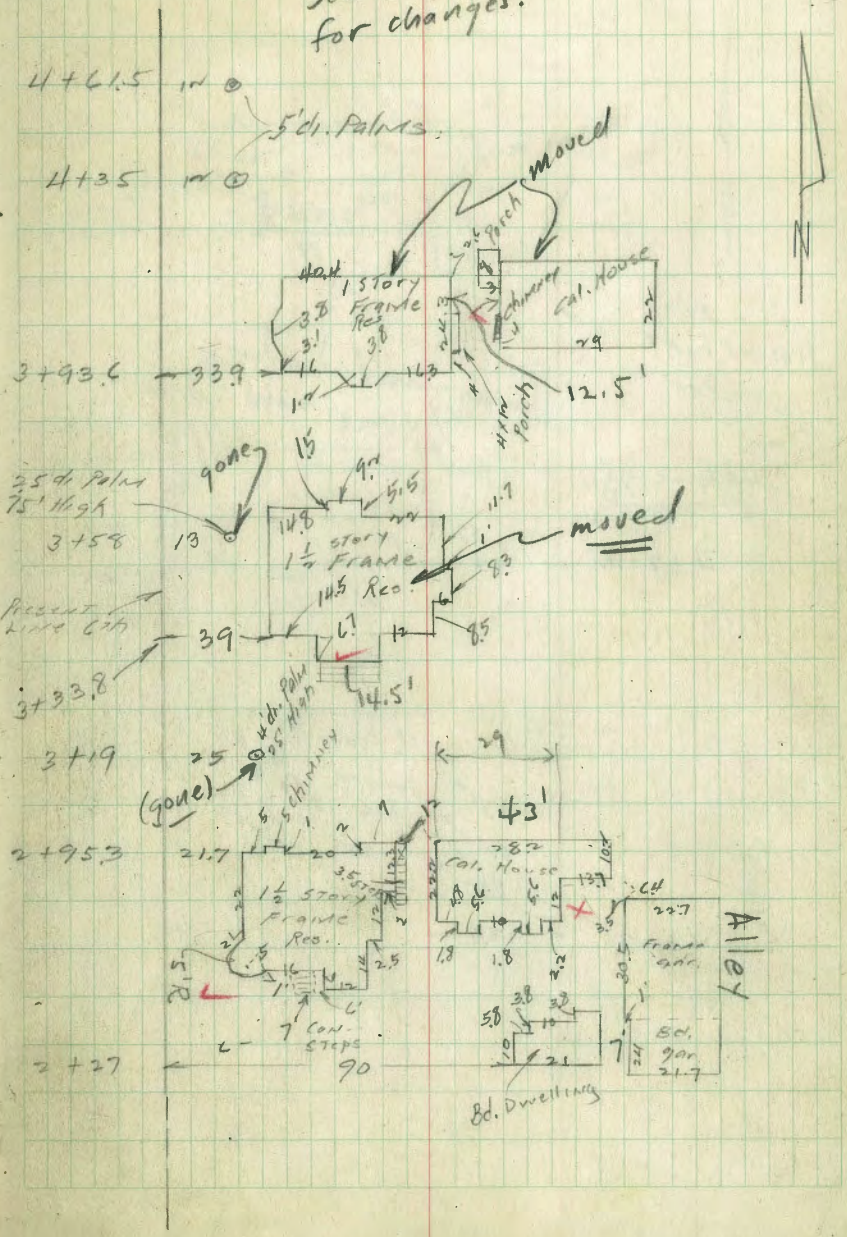
29.1
43
72.4

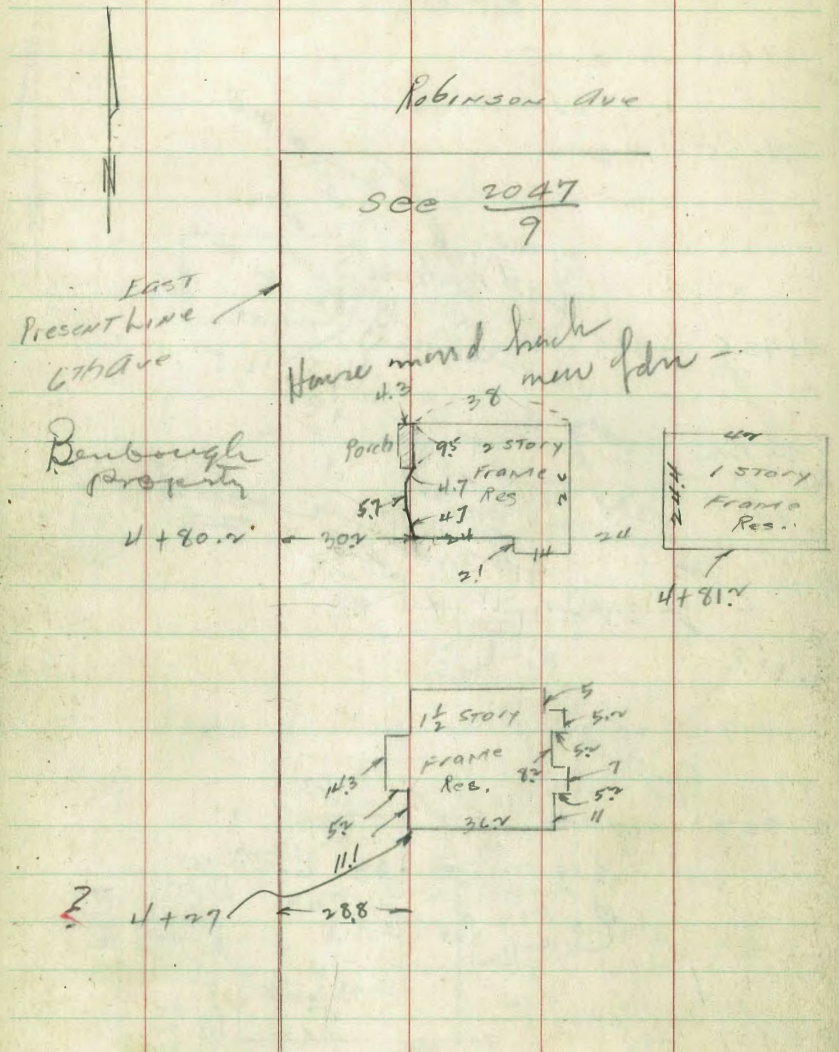
Indexed
LM

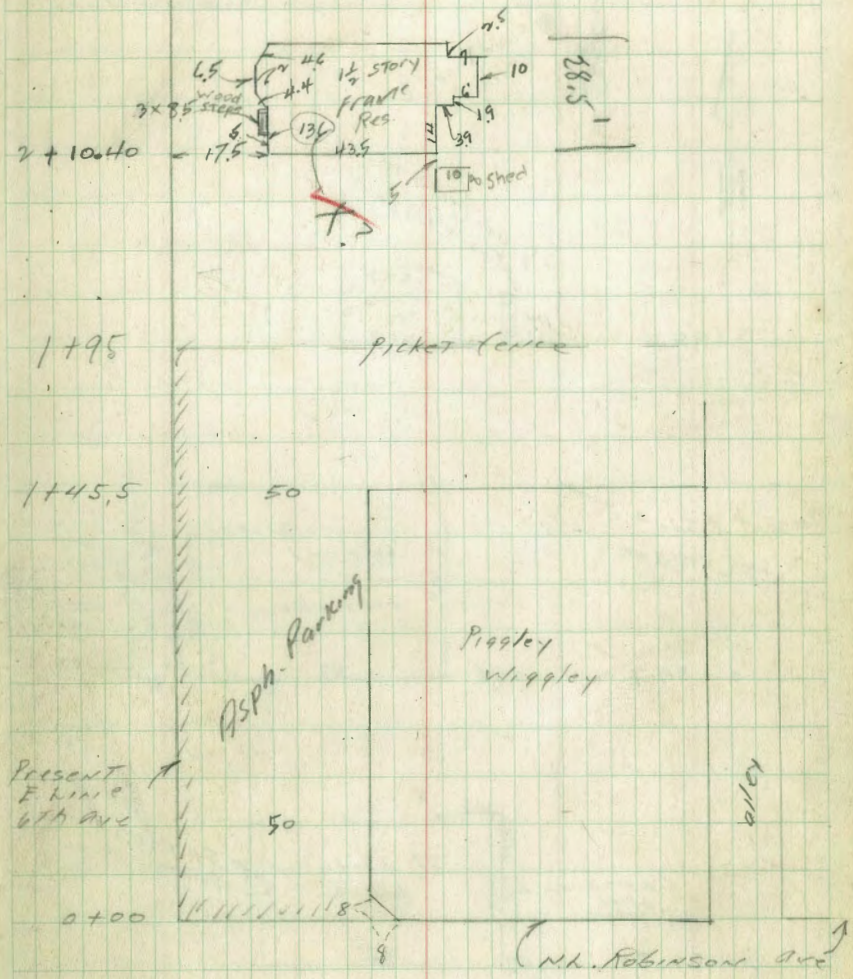
Note: See FB 2047/2 for changes.

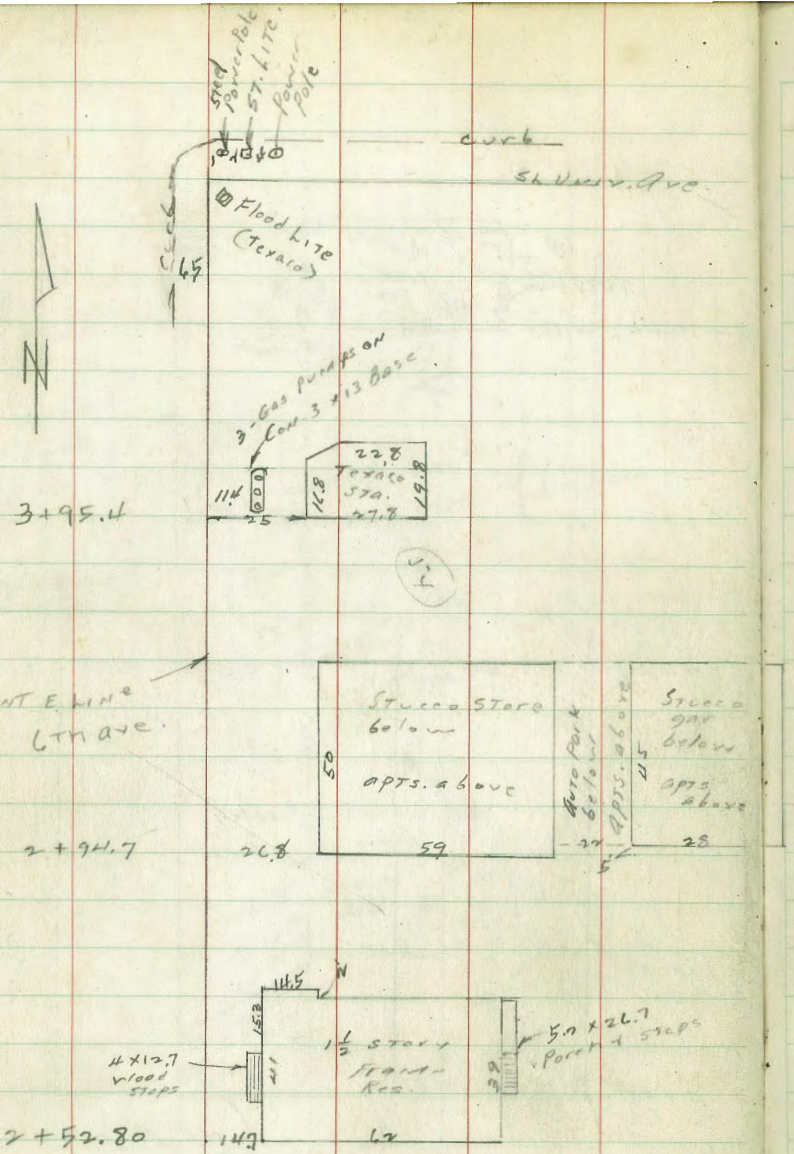
Location of Houses on E side of 6th Ave. Penn. Ave to Univ. Ave






Robinson Ave
Sec 2047
9
EAST
Present line
6th Ave
House moved back
new fdn.
Bamborough
property
Porch
2 story
Frame
Res
1 story
Frame
Res.
1½ story
Frame
Res.
4+80.2
4+81.2
4+27
28.8


1½ story
Frame
Res
Woodshed
2+10.40
1+95
Picket fence
1+45.5
50
50
Asph. parking
Piggley
Wiggley
Present
E line
6th Ave
0+00
(N.L. Robinson Ave

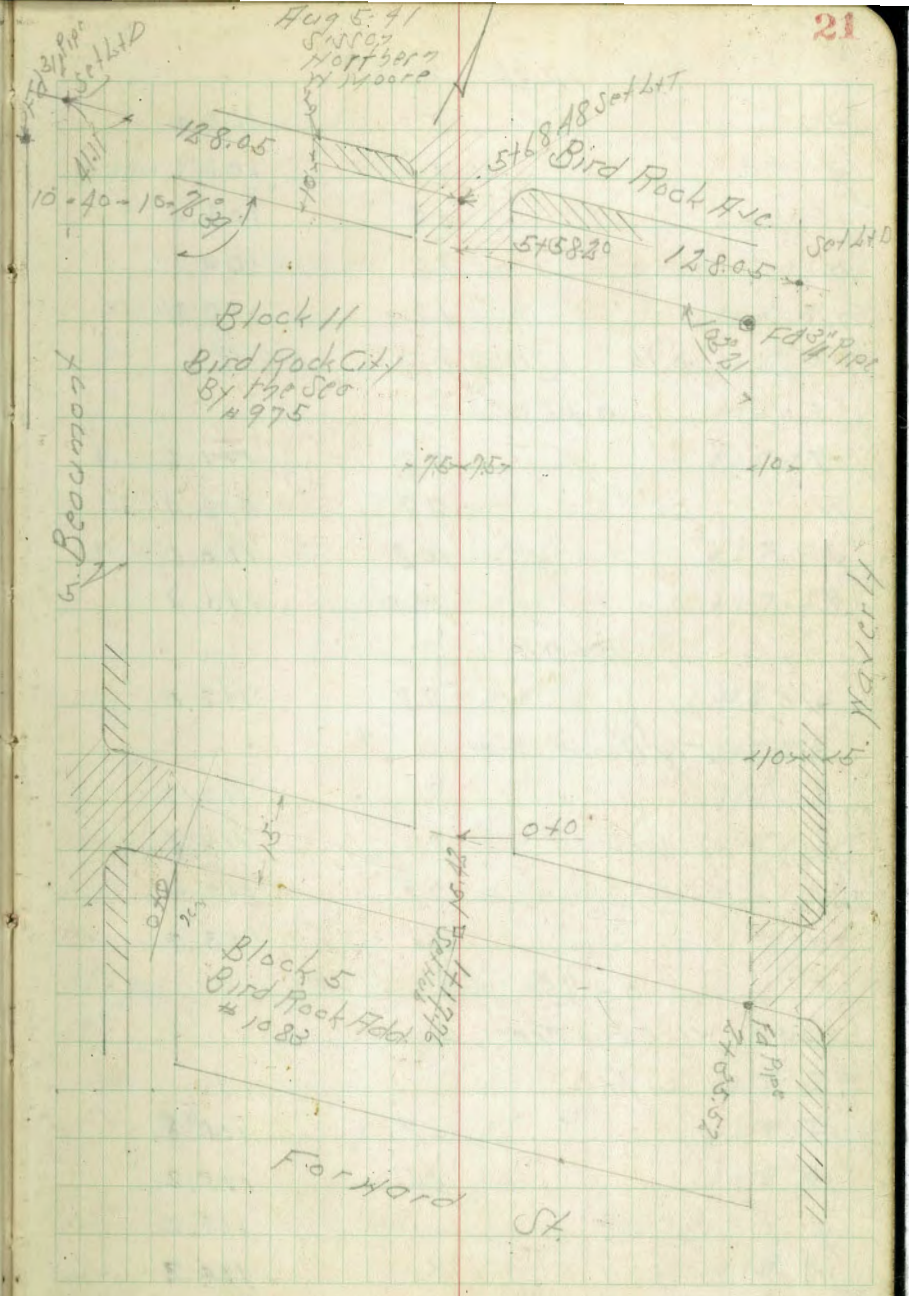

Stay
Power Pole
St. Lite
Power pole
curb
Sh Valley Ave.
Flood Lite
(Texaco)
Curb
65
N
3' Gas pumps on
Con. 3 x 13 Base
22.8
Texaco
Sta.
27.8
17.8
19.8
11'
25
3+95.4
V. L.
Present E. line
Lth ave.
Stucco Store
below
apts. above
50
59
Auto Park
below
apts. above
55
Stucco
Gar
below
apts
above
28
2+94.7
26.8
5'
14.5
N
15.8
1½ story
frame
Res.
4 x 12.7
wood
steps
11'
5.0 x 2.7
Porch & steps
3'
2+52.80
14.7
62

Cross Section Alleys Block 5 Bird Rock Add
And Block 11 Bird Rock City By The Sea
East & West Alley 54 Stationing

Indefinite LM

BM	5.88	77.68		71.80	SIBP La Jolla Blvd & Midway St
TP	12.25	88.99	0.94	76.74	
TP	11.92	100.37	0.54	88.45	
TP	11.73	111.36	0.74	99.63	
	0-15.42 = EC 6 Lines Beaumont				
N on Pavmg			6.46	104.90 ✓	
S " "			6.54	104.82 ✓	
S " "			6.66	104.70	
	0+0 = EL Beaumont on Dwg				
S Top Cb			5.82	105.54	
S Gutter on Pav.			5.93	105.43	
S " " "			6.08	105.28 ✓	
N Gutter " "			5.81	105.55 ✓	
N Top Cb			5.49	105.87 ✓	
	0+01.5				
S-0.5 - Wly Board Fence ✓					
	0+03				
-4 = Top Cat			3.4	109.0	
N			5.4	106.0	
S			5.6	105.8	
+5			5.1	106.0	
+6.5			6.30	108.4	
S			6.30	108.4	
	0+15				
S			1.6	109.8	

Plot 8-6-41 CPH



111.36

+3		5.0	108.4
℄		3.3	108.1
+6		3.0	108.4
N		2.2	109.1
+10		1.2	110.2 ✓
TP	10.16 120.77	0.75	110.61

0+50

-10		9.2	111.6 ✓
N		9.9	110.9
℄		10.2	110.6
S		10.0	110.8

0+75

-10		8.8	112.0
-10 = Ely Board Fence		✓	
S		8.6	112.2
℄		8.2	112.6
N		7.9	112.9
+10		7.1	113.7 ✓

0+85

S+8.3 = N'ly 5 Eucs Trees Avg. 8" Diam ✓

1+0

-10		5.0	115.8 ✓
N		5.6	115.2
℄		5.8	115.0
S		6.1	114.7
+10		6.5	114.3 ✓

120.77

1+03

S+3.5 = ℄ N 5 Eucs Trees ✓
Avg. 8" Diam

1+10.05 = N.L. N & S Alley ○○ Diag

-10		6.0	114.8 ✓
S		5.6	115.2
℄		5.5	115.3
N		5.1	115.7

1+22 Squared

N-10.0 = Sly Conc Apron		3.76	117.01 ✓
N-13.5 = ℄ Garage Conc Floor		3.18	117.59 ✓

1+25.47 = E.L. N & S Alley ○○ Diag.

N		4.4	116.4
℄		5.0	115.8
S		5.0	115.8
+10		5.1	115.7 ✓
BM		5.53	115.21 ○○ Hub & N & S Alley S.L. Fly Fence

1+29

N+7.5 = S N'ly Cypress Hedge ✓
3 N. 65 W
17.62

-10		3.1	117.7 ✓
S	✓	2.6	118.2
℄ = S ℄ 1/3' Cypress Hedge		2.4	118.4
TP	5.59 124.90	1.46	119.31
N		6.0	118.9
+4.4 = S N 1/2' Conc Walk		5.32	119.58 ✓

124.90

1+72

S +6.0 = ℄ 24" Euc Tree ✓

1+78

N -1.6 = S ℄ 1.8 Conc Walk 4.50 120.40 ✓

1+83

S +5.5 = ℄ 18" Euc Tree ✓

1+98

S +6.0 = ℄ 9" Euc Tree ✓

2+0

-1.3 = S ℄ 1.8 Conc Walk		3.25	121.65 ✓
N		3.4	121.5
℄		4.0	120.9
S		4.6	120.3
-1.0		4.7	120.2 ✓

2+11

S +6.5 = ℄ 12" Euc Tree ✓

2+20

S +7.5 = ℄ 26" Euc. Tree ✓

N -1.0 = S E ℄ 1.8 Conc Walk 2.28 122.62 ✓

2+28

-5.8 = N ℄ Stucco Garage		2.7	122.2
S		3.0	121.9
+7.0 = ℄ Dbl 14" Euc Tree ✓			
℄		2.7	122.2
N		2.3	122.6

124.90

2+35.52 = N ℄ Waverly Overlap

N Top Cb	2.59	122.31 ✓
N Gutter on Paving	2.83	122.07 ✓
℄ " "	3.14	121.76 ✓
S Gutter " "	2.98	121.92 ✓
S Top Cb	2.91	121.99 ✓
N Curb Line Waverly		
S on Paving	3.93	120.97 ✓
℄ " "	3.76	121.14 ✓
N " "	3.58	121.32 ✓

Cross Section N+S Alley Block 11
Bird Rock City By The Sea
Sta. Comp

BM	6.44	121.68		115.24	on Hub Page 22 1+17.96
		0+0 = N.L. E+W Alley on Disc			
E			5.3	116.4	
℄			5.8	115.9	
W			6.1	115.6	
		0+12			
E+0.1 = S.W.ly Garage					✓
		0+35			
-10			6.2	115.5	✓
W			5.0	116.7	
℄			4.8	116.9	
E			4.7	117.0	
+6.1 = N.W.ly Garage			4.7	117.0	✓
		0+70			
-10			4.6	117.1	✓
E			4.8	116.9	
℄			4.9	116.8	
W			5.4	116.3	
		1+0			
-10			6.4	115.3	✓
W			5.7	116.0	
℄			5.0	116.7	
E			4.7	117.0	
+10			4.1	117.6	✓
		1+36			
W = E.ly Power Pole			✓		

Reduced & Plotted 8-6-41 S.B.H.

		121.68			
		1+54			
-10			5.7	118.0	✓
E			4.3	117.4	
℄			5.0	116.7	
W			5.5	116.2	
+7.5 = S.E.ly Conc Floor			5.68	116.00	✓
		1+74			
W-2.1 = N.E.ly Conc Floor W'ly used as Garage			5.65	116.03	✓
= S.ly Wire Fence					✓
		2+0			
-10			5.8	115.9	
W			5.3	116.4	
℄			5.0	116.7	
E			4.4	117.3	
+10			3.8	117.9	
TP	4.17	120.90	4.95	116.73	
		2+40			
W-0.4 = N.ly wire Fence					✓
		2+42			
W+2.5 = E.ly Cypress Hedge			Road E+W		✓
		2+50			
-10			2.7	118.2	
E			3.5	117.4	
℄			4.1	116.8	
W			4.6	116.3	
+10			5.1	115.8	

	12090		
	3+00		
-10		5.3	115.6
W		4.5	116.4
℄		3.8	117.1
E		2.8	118.1
+10		2.1	118.8
	3+50		
-10		3.6	117.3
E		4.5	116.4
℄		5.0	115.9
W		5.9	115.0
+10		6.2	114.7
	4+00		
-10		7.7	113.2
W		7.2	113.7
℄		5.8	115.1
E		5.1	115.8
+10		4.3	116.6
	4+50		
-10		6.0	114.9
E		6.9	114.0
℄		7.5	113.4
W		8.3	112.6
+10		8.8	112.1

	12090		
	5+00		
-10		10.4	110.5
W		9.8	111.1
℄		9.3	111.6
E		8.3	112.6
+10		7.3	113.6
	5+45		
-10		8.8	112.2
E		9.6	111.3
℄		9.8	111.1
W		10.4	110.5
+10		11.2	109.7
TP	3.10	112.35	11.65 109.25
	5+58.20=SL Bird Rock Ave on Diag.		
W Top Cb		3.05	109.30
W Gutter on Pan		3.11	109.24
℄ " "		3.11	109.24
E Gutter " "		2.58	109.77
E Top Cb		2.06	110.29
	SCb Line Bird Rock Ave		
E on Pan		3.81	109.14
℄ " "		3.96	108.59
W " "		4.25	108.10
TP	0.42	101.00	11.77 100.58
TP	0.36	89.51	11.85 89.15
BM			10.49 79.07 SW BP La Jolla Blvd & Bird Rock Ave
			G.B 146 P 49 ——→ 79.06

Xsec of Monroe Ave 80' wide 14' Curbs 13' 1/2 S
Louisiana to Hamilton

Monroe Texas

SEBP 4.37 343.33' 338.96

0 - 20 = E c6 Louisiana

S curb			5.97	337.36
S	Pav		6.57	336.76
c6	"	Hole	6.59	336.74
1/4	"		6.49	336.84
c	"		6.39	336.94
1/4	"		6.24	337.09
c6	"		6.14	337.19
N	"		6.00	337.33
N c6			5.40	337.93

0 + 00 E L Louis

N c6			5.47	337.86
gut	Pav		5.95	337.38
1/4	"		5.87	337.46
c	"		5.81	337.52
1/4	"		6.09	337.24
gut	"		6.31	337.02
S c6			5.84	337.47

0 + 50

S c6		5.60	337.73
gut		6.1	337.2
1/4		5.9	337.4

Note Reduced and Plotted by * checked Tyler R. Yale 8/16/41

Indexed LM

Moore Osborne Switter Brand

8-15-41

See F.B. # 1747 pp. 1-12 10/30/46

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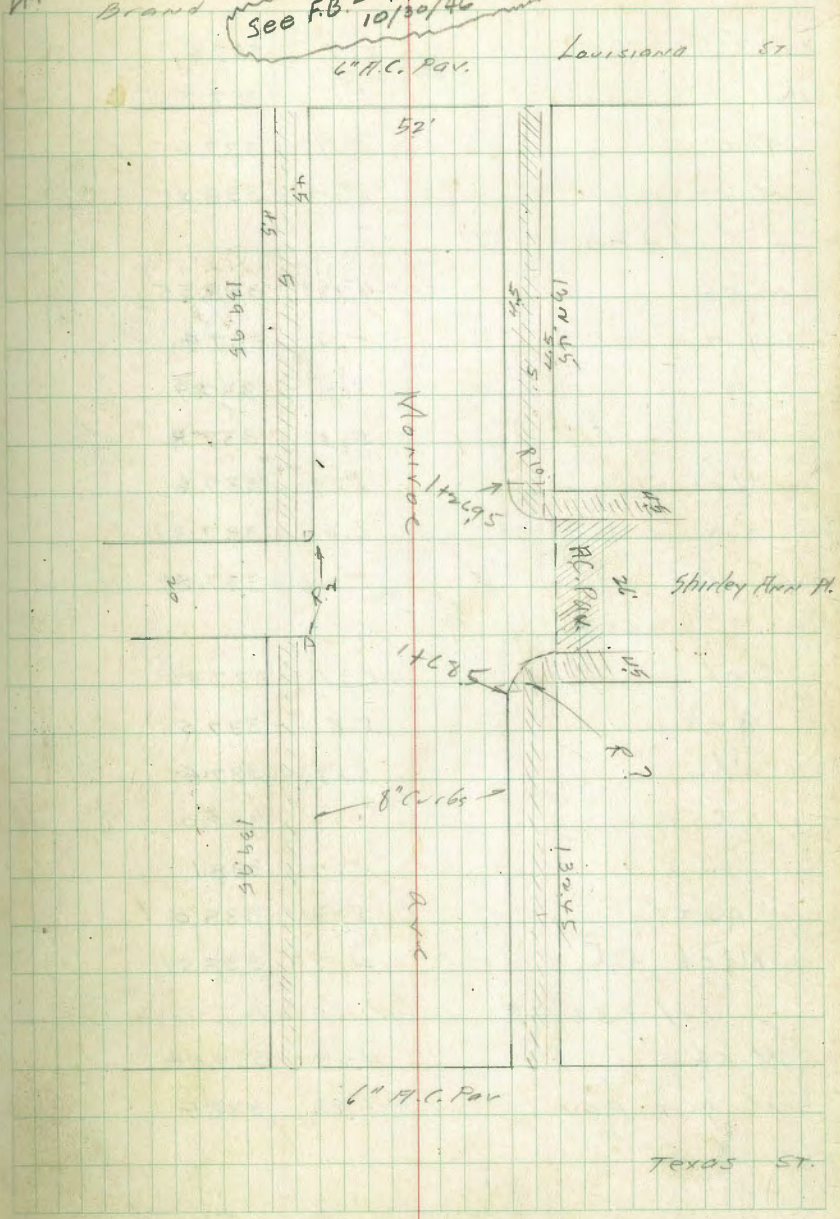
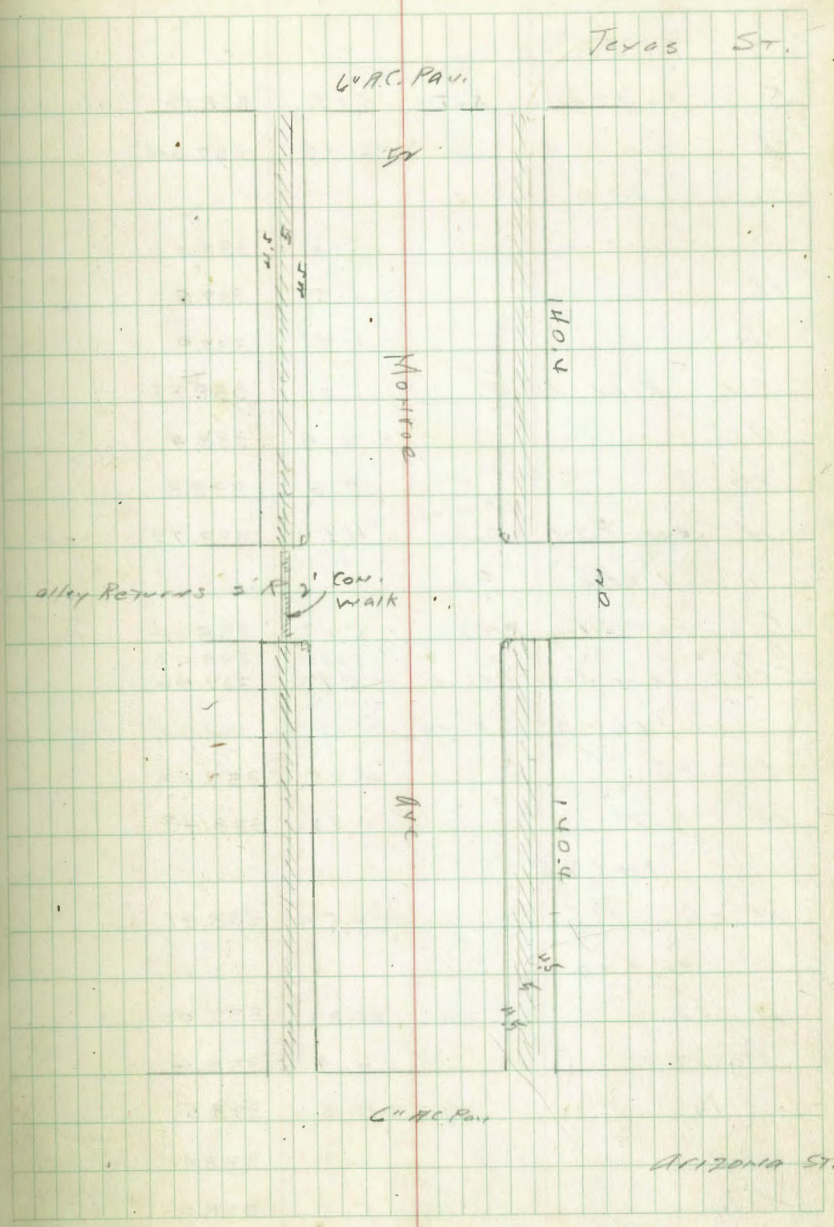
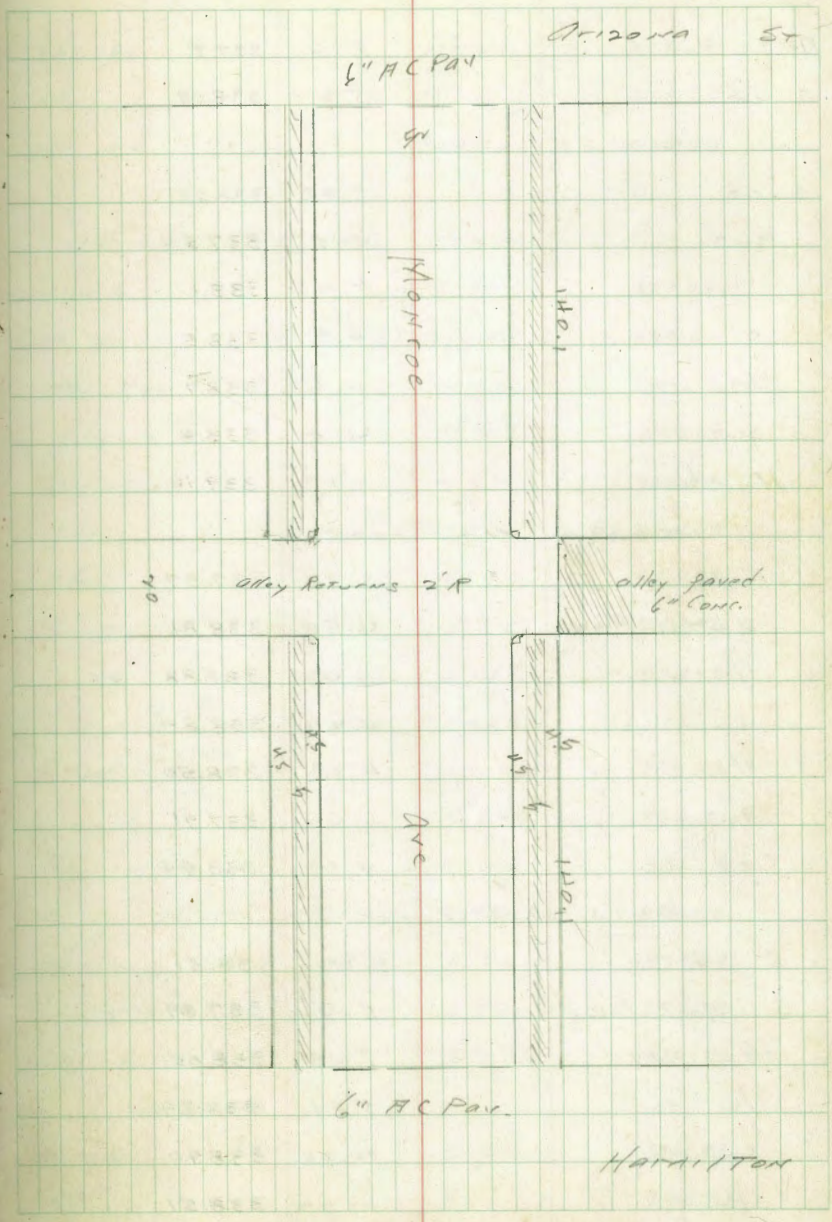


C	5.7	337.6
1/4	5.6	337.7
QUT	5.7	337.6
N c6	5.12	338.21
1+00		
N c6	4.78	338.55
QUT	5.4	337.9
1/4	5.4	337.9
C	5.5	337.8
1/4	5.7	337.6
QUT	6.0	337.3
S c6	5.44	337.89
1+26.95		
S c6	5.37	337.96
QUT	5.8	337.5
1/4	5.7	337.6
C	5.3	338.0
1/4	5.12	338.1
QUT	5.3	338.0
N c6 P.C.	4.79	338.54
1+36.95 w c6 Shirley Ann		
N c6	4.79	339.04
N QUT pav	4.83	338.50



		343.33		
	1+40.			
S	Top alley RET	5.16	338.17	also dirt
S6	" " "	5.49	337.84	
	1+50			
S		5.3	338.0	
C6		5.5	337.8	
1/4		5.4	337.9	
C	RIM M.H	5.01	338.32	
1/4		4.9	338.4	
C6		5.0	338.3	
N	on Pav. Shirley Ann	4.54	338.79	
	1+60			
S	Top alley RET.	5.79	338.04	
S+12	" " "	5.30	338.03	
SC6	on Cen Drive	5.87	337.46	
	1+67.95 E C6	Shirley Ann		
N	C6	4.25	339.08	
N	GUT	4.85	338.48	
	1+68.5			
N	C6 P.C. RETURN	4.5N	338.81	
	2+00			
N	C6	4.33	339.00	
	GUT	4.9	338.4	
	1/4	4.8	338.5	
	C	4.9	338.4	
	1/4	5.3	338.0	



qvT		5.4	337.7
S cb		5.24	338.09
	N +.50		
S cb		5.08	338.25
qvT		5.5	337.8
1/4		5.N	338.1
C		4.9	338.5
1/4		4.6	338.7
qvT		4.5	338.8
N cb		4.17	339.16
	N +99.9 W L Texas		
N cb		3.94	339.39
qvT	Pav.	4.5N	338.81
1/4	"	4.45	338.88
C	"	4.49	338.84
1/4	"	4.83	338.50
qvT	"	5.4N	337.91
S cb		4.89	338.44
	3+14 W cb Texas ST		
S cb		4.8N	338.51
S qvT	Pav.	5.4X	337.89
cb	Pav.	5.N8	338.05
1/4	"	5.04	338.29
C	"	4.93	338.40
1/4	"	4.8N	338.51

cb	Pav	4.24	338.69
N	"	4.48	338.85
N	cb	3.90	339.43
	O-14 E cb Texas		
N	cb	3.34	339.99
N	qvT	4.0N	339.31
cb	Pav	4.21	339.12
1/4	"	4.32	339.01
C	"	4.54	338.79
1/4	"	4.68	338.65
cb	"	4.90	338.43
S	qvT "	5.14	338.17
S	cb	4.38	338.95
	O+0 - EL Texas		
S	cb	4.24	339.09
S	qvT	4.8N	338.51
1/4	Pav.	4.20	339.13
C	"	3.97	339.36
1/4	"	3.84	339.49
qvT	"	3.95	339.38
N	cb	3.37	339.96
	O Y 50		
N	cb	2.47	340.86
qvT		3.0	340.33

		343.33		
1/4			2.8	340.5
C			3.1	340.2
1/4			3.6	339.7
QUT			4.1	339.2
S C6			3.79	340.04
T.P.	1+80	352.76	3.37	339.96
	1+00			
S C6			11.90	340.86
QUT			12.5	340.3
1/4			12.2	340.6
C			11.7	341.1
1/4			11.3	341.5
QUT			11.6	341.2
N C6			10.96	341.80
	1+40.4			
N Top alloy Ret.			9.96	342.80
N QUT			10.0	342.8
N C6 Top Conc			10.18	342.58
N C6 QUT			10.4	342.4
1/4			10.3	342.5
C			10.5	342.3
1/4			11.0	341.8
S QUT			11.9	340.9

	352.76	
S C6	11.34	341.42
S L. Top alloy Ret	10.94	341.82
S	11.0	341.76
1+60.4		
S Top C6	10.15	342.61
S QUT	10.2	342.6
S C6 Top Conc Ret	10.38	342.38
QUT	11.2	341.6
1/4	10.6	342.2
C	10.0	342.8
1/4	9.8	343.0
QUT	9.7	343.1
N C6 " " "	9.73	343.53
N L. " " "	8.99	343.77
N QUT,	9.2	343.6
2+00		
N C6	7.66	345.10
QUT	8.2	344.6
1/4	8.3	344.5
C	8.7	344.1
1/4	8.9	343.9
QUT	9.5	343.3
S C6	8.93	343.83
2+20		
S C6	8.14	344.62

QUT			8.5	344.3
1/4			7.8	345.0
C			7.6	345.2
1/4			7.3	345.5
QUT			7.2	345.6
N C6			6.71	346.05
	2 + 30			
N C6			5.38	346.88
QUT			6.5	346.3
1/4			6.7	346.1
C			6.8	346.0
1/4			7.1	345.7
QUT			7.7	345.1
S C6			7.20	345.56
	2 + 40			
S C6			6.18	346.58
QUT			6.4	346.4
1/4			6.2	346.6
C			6.0	346.8
1/4			5.8	347.0
QUT			5.7	347.1
N C6			5.04	347.72
	2 + 60			
N C6			2.91	349.85
QUT			3.7	349.1

1/4		4.1	348.7
C		4.2	348.6
1/4		4.5	348.3
QUT		4.9	347.9
S C6		4.28	348.48
T.P.	12.9x	364.38	1.3x 351.44
	3+00.8 = W L Grade Sta		
S C6		12.0x	352.36
QUT	Pav.	12.8C	351.52
1/4	"	12.17	352.21
C	"	11.89	352.69
1/4	"	11.45	352.93
QUT	"	11.31	353.07
N C6		10.50	353.88
	3+14.8 W C6 Grade Sta		
N L C6		10.38	354.00
" QUT		10.97	353.41
C6	Pav	10.99	353.39
1/4		10.85	353.53
C		11.05	353.33
1/4		11.51	352.87
C6		12.25	352.13
S L QUT		12.72	351.66
S L C6		12.11	352.27

0 - 14 E c6 Arizona			
SL c6		10.42	353.96
SL gvt		11.06	353.32
c6	Pav	11.00	353.38
1/4	"	10.48	353.90
C	"	9.92	354.44
1/4	"	9.69	354.69
c6	"	9.64	354.74
NL	gvt	9.35	355.03
NL	c6	8.82	355.54
0 + 00 EL Arizona			
N c6		8.80	355.58
gvt	Pav	9.58	354.80
1/4	"	9.31	355.07
C	"	9.42	354.94
1/4	"	10.11	354.27
gvt	"	10.97	353.41
S-6		10.32	354.06
0 + 20			
S c6		7.26	357.12
gvt		8.1	356.3
1/4		7.4	357.0
C		6.8	357.6
1/4		6.8	357.6
gvt		6.7	357.7
N c6		5.90	358.48

0 + 40		
N c6	3.22	361.16
gvt	4.1	360.3
1/4	4.2	360.2
C	4.1	360.1
1/4	4.7	359.7
gvt	5.3	359.1
S c6	4.42	359.96
0 + 50		
S c6	2.95	361.43
N c6	1.86	362.52
0 + 60		
N c6	0.57	363.81
gvt	1.4	363.0
1/4	1.7	362.7
C	1.6	362.8
1/4	2.1	362.3
gvt	2.6	361.8
S c6	1.56	362.82
T.P. 1247 376.48	0.37	364.01
0 + 70		
S c6	12.63	363.85
N c6	11.63	364.85

0+80		
N cb	10.5C	365.92
gut	11.5	365.0
1/4	11.5	365.0
c	11.4	365.1
1/4	11.9	364.6
gut	12.5	364.0
S cb	11.6~	364.86
1+00		
S cb in driveway	10.2~ → 366.24	9.7~ → 366.74
~~gut~~	—	
1/4	10.1	366.4
c	9.5	367.0
1/4	9.8	366.7
gut	9.7	366.8
N cb	8.5~	367.96
1+05		
N cb	8.76	368.22
S cb	9.30	367.18
1+40		
N L Top cb	6.18	370.30
N L " pav	6.18	370.30
N cb Ret.	6.57	369.91
gut	7.3	369.2
1/4	7.3	369.2

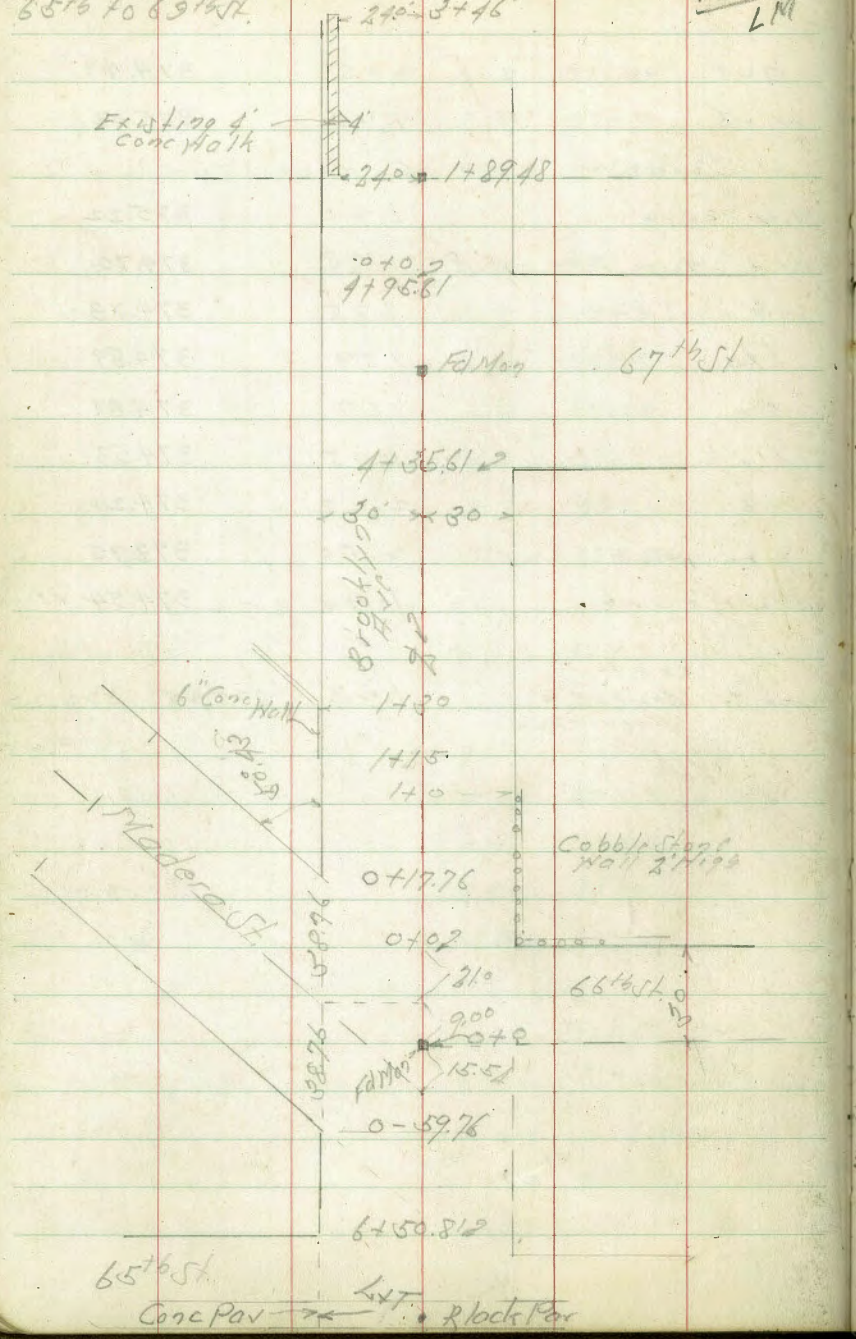
C	7.2	369.3
1/4	7.9	368.6
gut	8.3	368.2
S cb Ret	7.90	368.58
S L Top cb	7.5C	368.92
S L gut	7.9	368.6
1+50 ℄		
N.L. on end of alley pav.	6.21	370.27
1+60		
S L Top cb	6.57	369.91
S L dirt	7.6	368.9
S cb	6.7C	369.72
gut	7.5	369.0
1/4	6.9	369.6
c	6.4	370.1
1/4	6.5	370.0
gut	6.5	370.0
N cb	5.75	370.73
N L Pav.	5.74	370.74
N L curb	5.54	370.94
2+00		
N cb	4.5~	371.96
gut	5.1	371.4
1/4	5.0	371.5
c	5.0	371.5

1/4		5.3	371.2
gut		5.8	370.7
S c6		5.24	371.24
	2+41		
S c6		3.88	372.60
gut		4.5	372.0
1/4		4.0	372.5
c		3.7	372.8
1/4		3.8	372.7
gut		3.9	372.6
N c6		3.24	373.24
	2+75		
N c6		2.17	374.31
gut		2.9	373.6
1/4		2.7	373.8
c		2.8	373.7
1/4		3.1	373.4
gut		3.5	373.0
S c6		2.88	373.60
	3+00.N WL Hamilton		
S c6		1.97	374.51
gut Pav.		2.54	373.96
1/4	"	2.04	374.46
c	"	1.78	374.70
1/4	"	1.77	374.71

gut Pav.	2.05	374.43	
N c6	1.45	375.03	
3+20.N = N c6 Hamilton			
NL curb	1.26	375.22	
NL gut Pav	1.78	374.70	
c6 Pav	1.75	374.73	
1/4 "	1.59	374.89	
c "	1.67	374.81	
1/4 "	1.95	374.53	
c6 "	2.28	374.20	
SL gut "	2.53	373.95	
SL curb	1.94	374.54	VV
check to SEBP Monroe & Hamilton	1.23	375.25	375.20
			0.05

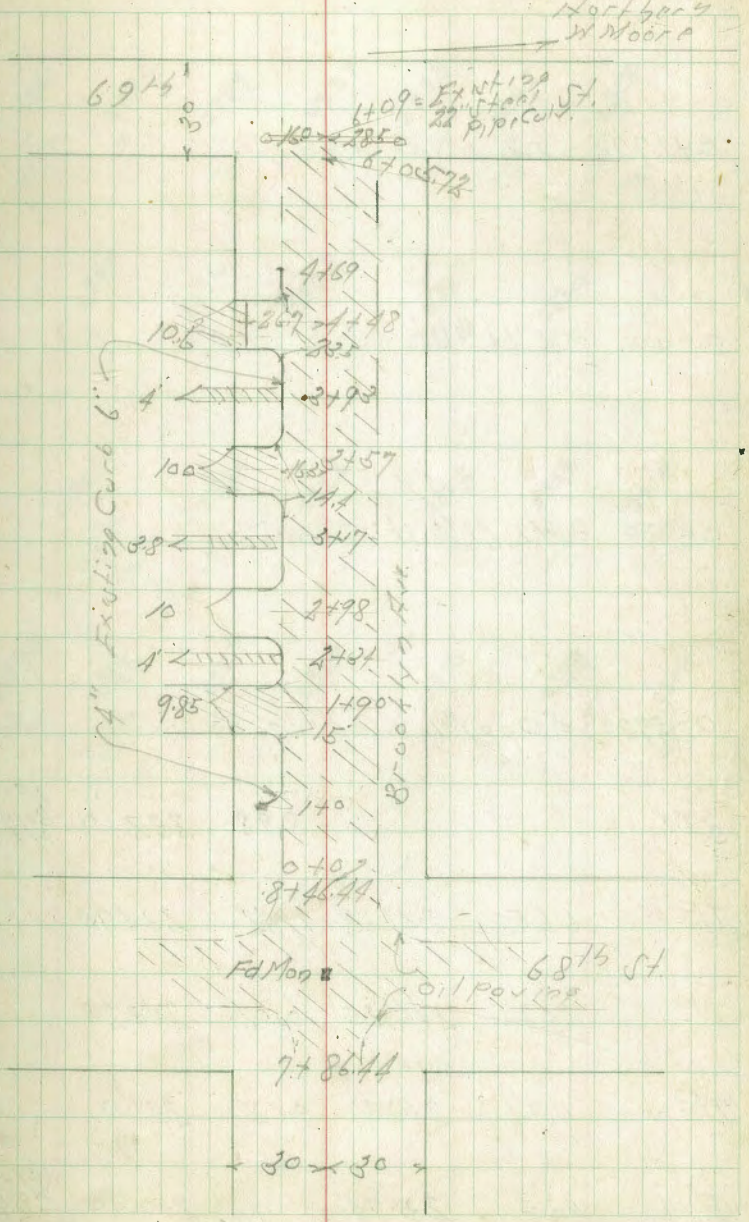
Cross Section Brooklyn Ave
65th to 69th St.

Indexed
LM



Sept. 19.4
Sisson
Northberg
W Moore

35



Cross Section Brooklyn Ave
66th St to 69th St.

0+17.76 = E.L. Madera on Lt.

0+0 = E.L. 66th St.

0-30 = W.L. 66th St From South

0-59.76 = Opp W.L. Madera on Lt.

BM			8.98	232.60	Mon. & Brooklyn W.L. 66th St
TP	6.65	241.58	11.42	234.93	
TP	3.07	246.35	0.02	243.28	
TP	11.74	243.30	0.18	231.56	
BM	1.84	231.74		230.40	Lt. T.W.L. Woodman 37th Imperial

Lt=N 0 Rt=S

234.7	233.1	232.6	233.9	233.7	233.3	234.5	235.0
6.9	8.5	9.0	7.7	7.9	8.3	7.1	6.6
40	30	20	10		10	20	30=Base of Wall

234.0	233.6	232.9	232.7	233.0
7.6	8.0	8.7	8.9	9.6
30	20		20	30=Base of Cobblestone

232.6	232.4	232.6	232.5	231.8	231.9	
9.0	9.2	9.0	9.1	9.8	9.7	
30=Bottom	20		20	30	40	

239.4	236.6	232.7	233.0	231.6	231.9	230.6
1.2	6.0	8.9	8.6	10.0	9.7	11.0
30	10	6		20=Bottom	30	50

241.58 ✓

1+50				
TP	11.79	264.03	0.08	252.24
1+30				
1+28	32' Lt of ℄ = Hly Pepper Tree			
1+15	= Hly Concr Wall on Lt			
1+0				
TP	11.38	252.32	0.64	240.94
0+94	23' Lt of ℄ = Hly Pepper Tree			
0+75				
0+63	21' Rt of ℄ = Sly Power Pole			
0+50				
		241.58		

Lt ℄ Rt

37

249.6	252.8	254.0	253.8	257.1	258.7	258.7	260.5
14.4	11.2	10.0	8.2	6.9	5.3	5.3	3.5
40	30	20	10		10	20	30

264.03 ✓

248.8	247.6	247.8	248.0	250.8	257.8	252.6	247.45
3.4	4.8	4.5	4.3	1.5	0.5	+0.3	+2.2
50=Flytop Wall	39	20	10		10	20	30

243.09
9.3
30 Top Wall

240.7	241.5	240.8	240.6	241.3	242.8	243.9	246.2
11.6	10.8	11.5	11.7	11.0	9.5	8.4	6.1
40	30	20	10		10	20	30=Flytop Wall

252.32 ✓

233.8	234.6	237.5		237.8	238.2	239.5	240.6
7.5	5.0	4.1		4.8	3.4	2.1	1.0
40	30	20			10	20	30=Base C Wall

233.0	233.1	234.4	235.7	235.2	235.2	236.4	237.8
8.6	8.5	7.2	5.9	6.4	6.4	5.2	3.8
40	30	20	10		10	20	30=Base C Wall

241.58 ✓

Brooklyn Ave

3+22	20.2' Rt of ℄ - Sty Power Pole			✓
3+0				
2+97	21.5 Lt of ℄ - Nly 12" Pepper Tree			✓
2+76	21.6 Lt of ℄ - Nly 14" Pepper Tree			✓
2+75				
2+50				
TP	11.77	287.02	0.16	275.25
2+25				
2+0				
TP	11.62	275.41	0.24	263.79
1+95	20.5' Rt of ℄ - Sty Power Pole			✓
1+75				
		264.03		

Lt ℄ Rt 38

285.2	285.4	285.6	285.6	285.3	284.6	284.4	283.9	283.7
1.8	1.6	1.4	1.4	1.7	2.4	2.6	3.1	3.3
10	30	20	10		10	20	30	40
283.1	283.1	283.2	283.9	283.8	283.7	283.4	283.9	282.5
3.0	3.9	3.8	3.1	3.2	3.3	3.6	3.1	4.5
40	30	20	10		10	20	30	40
278.3	278.9	279.2	279.9	279.9	279.9	280.1	280.6	
8.7	8.1	7.8	7.1	7.1	7.1	6.9	6.4	
40	30	20	10		10	20	30	
				287.02 ✓				
274.0	275.0	274.8	274.8	275.2	276.3	277.1	277.1	
1.4	0.4	0.6	0.6	0.2	+0.9	+1.7	+1.7	
40	30	20	10		10	20	30	
266.2	267.2	267.7	268.1	269.0	270.6	271.3	272.6	
9.3	8.3	7.7	7.3	6.4	4.8	4.1	3.8	
40	30	20	10		10	20	30	
				275.41 ✓				
259.4	260.9	262.4	263.8	265.7	266.5	266.2	267.0	
4.6	3.1	1.6	0.2	+1.7	+2.5	+2.2	+3.0	
40	30	20	10		10	20	30	
				264.03 ✓				

4+65.61	= ℄ 67th St			
BM		5.32	290.07	Mon. at Brooklyn & 67th St
4+35.61	= ℄ 67th St			
4+25	20.6 Rt of ℄ = Sty Power Pole			✓
4+18	20.5 Rt of ℄ = Nly 18" Peppertree			✓
4+0				
3+98	20.6 Lt of ℄ = Nly 18" Peppertree			✓
3+75				
3+58	21.4 Lt of ℄ = Nly 12" Peppertree			✓
3+50				
TP	8.67	295.39	0.20	286.82
3+25				
		287.02		

Lt ℄ Rt.

293.5	291.6	290.7	290.1	289.0	288.3	287.6
1.9	3.8	4.7	5.3	6.4	7.1	7.8
30	20	10		10	20	30
292.7	292.0	290.9	289.9	289.1	288.9	287.8	287.1
2.7	3.4	4.5	5.5	6.3	6.5	7.6	8.3
30	20	15		10	20	30	40
290.9	290.8	289.5	288.6	287.9	287.8	287.3	286.2
4.5	4.6	5.9	6.8	7.5	7.6	8.1	9.2
30	20	15		10	20	30	40
289.8	289.5	288.6	287.7	286.8	287.2	286.9	286.0
5.6	5.9	6.8	7.7	8.6	8.2	8.5	9.4
30	20	15		10	20	30	40
288.6	288.2	287.5	286.8	285.9	286.5	285.8	285.4
5.8	7.2	7.9	8.6	9.5	8.9	9.6	10.0
30	20	15		10	20	30	40
			295.39 ✓				
286.7	286.5	286.2	285.7	285.8	285.5	285.1	284.8
0.6	0.8	1.1	1.7	1.2	1.5	1.9	2.2
30	20	10		10	20	30	40
			287.02 ✓				

Brooklyn Ave

0+42

0+89 = El. Dd. Garage on Lt.

0+25 = Wly Dd. Garage on Lt.

0+13 21' Rt of Z - Sly Power Pole

TP	5.96	296.03	6.32	290.07

0+0

4+95.61 = EL. 67½ St.

4+89

4+83 = Z, 8.5 Conc Drive on Lt

295.39

Lt Z Rt

294.10
1.93
29.8 Lt Conc Walk

293.19
2.84
30 - Lt Garage Conc Floor

293.21
2.82
30 - Wly Garage Conc Floor

2931	2940	2910	2899	2906	2901	2883	2878
2.9	4.0	5.1	6.1	5.4	5.9	7.1	8.2
20	15		10	15	20	30	40

296.03

2942	2933	2919	2906	2893	2889	2887
1.8	3.1	4.5	4.8	6.1	6.5	6.7
30	20	15		10	20	30

2941	2930	2918	2904	2893	2881	2869
1.8	2.7	3.6	5.0	6.1	7.3	8.5
30	20	15		10	20	30

295.13
0.76
46 on Dr

274.02
1.37
30 - Conc Curb

295.39

TP	1.34	297.33	0.04	295.99
2+27				
2+00				
1+89.48	20.8 = Lt of Δ = Wty 18" Palmetto ✓ 21.9 Rt of Δ = Sty Pow Pole ✓			
1+50				
1+00				
0+78	21.6 Rt of Δ = Sty Power Pole ✓			
0+50				
		296.03		

Lt. Δ Rt.

296.2 +0.7 30	296.0 0.0 24 Sty Wall	295.3 0.7 20	294.4 1.6 14	292.7 3.3 10	292.2 3.8	291.7 4.3 10	291.3 4.7 20	290.3 5.7 30	290.0 6.0 40
296.0 0.0 30	295.83 0.17 24 Sty Wall	294.9 1.1 20	292.7 3.3 11	292.3 3.7	291.9 4.1 16	290.9 5.1 20	290.4 5.6 30	290.1 5.9 40	
	295.96 0.04 24.0 Conc Wall								
295.7 0.3 30	294.8 1.2 20	292.8 3.2 15	292.6 3.4	292.2 3.8 15	291.4 4.6 20	289.9 6.1 30	289.5 6.5 40		
295.7 0.3 30	294.7 1.3 20	293.0 3.0 14	292.5 3.5	291.9 4.1 11	290.6 5.4 20	289.3 6.7 30	288.0 8.0 40		
294.9 1.1 30	294.0 2.0 20	292.4 3.6 16	291.6 4.4	290.8 5.2 10	291.6 4.4 12	290.4 5.6 20	288.3 6.7 30	287.2 7.8 40	
			296.03 ✓						

Brooklyn Ave

5+49 20.3 Lt of ℄ = Hly 8" Acacia Tree ✓
5+28 20.2 Lt of ℄ = Hly 6" Acacia Tree ✓
5+0

4+81 22.3 Rt of ℄ = Sly Power Pole ✓

4+50

4+0

3+56 22.0' Rt of ℄ = Sly Power Pole ✓

3+46 21.3 Lt of ℄ = Hly 24" Palm Tree ✓

3+0

2+50

297.33

Lt.		℄		Rt
292.3	291.2	290.0	289.5	288.7	288.5	288.5	287.6	286.4
5.0	6.1	7.3	7.8	8.6	7.8	8.8	9.7	10.9
30	20	10		11	15	20	30	40
293.8	293.2	290.8	290.3	289.8	290.4	289.3	288.6	287.7
5.5	4.1	6.5	7.0	7.5	6.9	8.0	8.7	9.6
30	20	9		12	15	20	30	40
294.1	293.1	290.9	290.5	290.3	290.8	289.7	288.7	287.6
5.2	4.2	6.4	6.8	7.0	6.5	7.6	8.6	9.7
30	20	9		12	15	20	30	40
294.0	294.03	293.7	292.7	291.3	290.9	290.6	290.1	289.0	288.3
5.3	3.30	3.6	4.6	6.0	6.4	6.7	7.3	8.3	9.0
30	24-SY Conc Wall	20	12	9		15	20	30	40
295.0	294.86	294.1	293.1	291.7	291.4	290.7	290.2	289.5	288.7
5.7	2.47	6.2	4.2	5.6	5.9	6.6	7.1	7.8	8.6
30	24-SY Wall	20	12	10		15	20	30	40
296.2	295.67	294.9	292.6	292.0	291.4	290.6	289.9	289.2
1.1	1.66	2.4	4.7	5.3	5.9	6.7	7.4	8.1
30	24-SY Wall	20	10		10	20	30	40

297.33 ✓

6+83	19.4 Rt of ℄ = Sly 12" Tree	✓
6+62	19.9 Rt of ℄ = Sly 12" Tree	✓
6+50		
6+44	19.3 Rt of ℄ = Sly 10" Tree	✓
6+40		
6+26	18.7 Rt of ℄ = Sly 6" Tree	✓
6+11	22.5 Rt of ℄ = Sly Power Pole	✓
6+04		
6+0		
5+89	20.1 Lt of ℄ = Hly 6" Acacia Tree	✓
5+78	= ℄ 15" Conc Drive on Lt	
TP	2.74 291.08 8.99 288.34	
5+68	20.0 Lt of ℄ = Hly 6" Acacia Tree	✓
5+50		
	297.33	

Lt ℄ Rt

287.3	286.3	284.6	284.9	284.5	284.7	284.3	284.0
6.8	4.8	6.5	6.5	6.6	6.4	6.8	7.1
30	20	9		12	20	30	40

289.51
1.57
279.4 = Ext Conc Wall

290.34
0.74
279.4 = Int Conc Wall

289.6	288.3	287.1	287.0	286.2	286.7	286.1	285.4	284.6
1.5	2.8	4.0	4.1	4.9	4.4	5.0	5.7	6.5
30	20	10		11	15	20	30	40

291.07
0.01
30 = ℄ 7' Conc Drive

290.22
0.86
22 Brick Drive

288.98
2.00
8.7 = ℄ 15 Conc Drive

291.08 ✓

292.6	291.0	288.6	288.6	287.9	288.0	286.7	285.8
4.7	6.3	8.7	8.7	9.4	9.3	10.6	11.5
30	20	9		12	20	30	40

297.33 ✓

Brooklyn Ave

8+03

7+86.44 = W.L 68th St. 21.0' Lt of Δ = Mh Anchor P
21.8 Rt of Δ = Sh Power Pole

7+80 19.5' Rt of Δ = Sh 12" Tree

7+65 19.5' Rt of Δ = Sh 12" Tree

7+58 = Δ 3.5 Conc Walk on Rt

7+50 19.2 Rt of Δ = Sh 10" Tree

7+40 20.5 Lt = Mh 6" Tree

7+18 20' Lt = Mh 6" Tree

7+0

6+93 20' Lt of Δ = Mh 8" Tree

6+90 = Δ 7' Conc Drive on Rt

TP	1.35	285.72	6.71	284.37
		291.08		

Lt.		Δ		Rt.
281.2	280.4	279.9	279.4	278.7	278.2	277.7
4.5	5.3	5.8	6.3	7.0	7.5	8.0
30	20	10		10	20	30
282.0	282.2	281.6	280.4	280.4	279.6	280.5	280.1	279.5
5.7	5.5	5.1	5.3	5.3	6.1	5.3	5.7	6.3
30	20	15	11		11	13	20	30
				280.25		279.93		
				5.47		5.79		
				40 = Δ 3.5 Conc Walk		30 on Walk		
282.9	282.5	282.0	281.7	280.8	281.2	280.6	280.1	279.5
3.8	3.2	2.7	4.0	4.9	4.5	5.1	5.6	6.2
30	20	10		10	13	20	30	40
285.3	284.4	283.8	283.3	282.6	283.1	281.9	280.9	280.4
0.4	1.3	2.9	2.4	5.1	2.6	3.8	4.8	5.3
30	20	11		10	15	20	30	40
285.4	284.7	283.1	283.6	283.1	283.5	283.53	283.22
0.3	1.0	2.6	2.1	2.6	2.2	2.19	2.50
30	20	11		10	20	30 = Δ 7' Conc Drive on Rt	20 on St.
			285.72 ✓				

1+00	= W'ly 4' Cb on Lt.				
0+86	30' Lt of ℄ = E'ly Cobble Wall ✓				
0+50					
0+43	= ℄ 4' Conc Walk on Lt				
0+40	22½' Rt of ℄ = S'ly Power Pole ✓				
TP	5.25	284.77	6.20	279.52	on ℄ Mon Brooklyn 68+55 ft
0+70 8+46.44	= E. ℄ 68+55 ft.				
8+34					
8+16.44 = ℄	68+55 ft.				
BM			6.20	279.52	℄ Mon Brooklyn 68+55 ft
		285.72			

Lt ℄ Rt Sept 23-41 45

281.3	281.33	280.6	280.4	279.3	279.9	279.4	279.3
3.5	3.44	4.3	4.4	5.5	4.9	5.4	5.5
30	20=11½ Cb Conc	16=11½ Pav.		15=5½ Pav.	20	30	40
281.4	281.4	280.2	280.1	278.9	279.5	279.0	278.5
3.4	3.4	4.6	4.7	5.9	5.3	5.8	6.3
30=18.5 Cobble Wall	19	14=11½ Pav.		17=5½ Pav.	20	30	40
281.60							
3.17							
30=½ Conc							
			284.77 ✓				
281.2	281.2	280.0	279.6	278.5	278.7	278.6	
4.5	4.5	5.7	6.1	7.7	7.0	7.1	
30	20	13		15	20	30	
280.7	280.2	279.7	279.2	278.5	277.9	277.2	
5.0	5.5	6.0	6.5	7.2	7.8	8.5	
30	20	10		10	20	30	
281.7	281.1	280.5	279.9	279.4	278.9	278.4	
4.0	4.6	5.2	5.8	6.3	6.8	7.3	
30	20	10		10	20	30	
			285.72 ✓				

Brooklyn Ave

2+17

2+02

2+00

1+68 21.4 Rt of ℄ Sly Power Pole ✓

1+50

1+35

1+11 = ℄ 8" Conc Drive on Rt

284.77

Lt ℄ Rt

280.29 4.48 21 = 18" Conc Drive

280.23 4.54 10 on Dr.

280.23 4.54 21 = 18" Conc Wall

281.9 2.9 30

281.59 3.18 15.8 = CL

381.3 3.35 15.8 = 6" Hdr

380.9 3.9

379.9 4.9 16 = SN Pol

380.2 4.6 30

281.3 3.75 30

281.0 3.8 20

281.29 3.48 16 = CL

280.7 4.1 15 = 6" Hdr

280.5 4.3

279.5 5.3 15 = SN Pol

279.7 5.1 20

279.6 5.3 30

279.7 5.1 40

279.81 4.96 30 = 18" Conc Wall

279.86 4.91 40 on Wall

279.81 4.96 29.7 = 18" Conc Drive

279.62 5.15 40 on Dr.

284.77 ✓

3+40 = ℄ 10' Conc Drive 3.7' Conc Ribbon

3+28 19.8' Rt of ℄ = 5' Small Palm ✓

3+16

3+09 = CB EC on Lt

3+05 19.7' Rt of ℄ = 5' 6" Tree ↓

2+87.5 = CB BC on Lt

2+54 21.6' Rt of ℄ = 5' Power Pole ✓

2+50

2+46

28477

Lt ℄ Rt 47

280.02 279.77
4.25 5.00
30 : ℄ Conc Dr. 10 on Dr.

279.97 280.03
4.80 4.74
30 4 : ℄ 4' Conc Walk 40 on Walk

2833 282.55 281.8 281.4 280.3 280.5 280.1
1.5 2.22 3.0 3.4 4.5 4.3 4.7
30 16 = CB 16 = Gutter 15 : 5' Palm 20 30

282.7 282.46 281.9 281.5 280.5 280.9 280.5 280.2
2.1 2.31 2.9 3.3 4.3 3.9 4.3 4.6
30 16 = CB 16 = Gutter 15 = 5' Palm 20 30 40

282.1 281.92 281.5 281.3 280.6 280.8 280.5
2.7 2.85 3.3 3.5 4.2 4.0 4.3
30 16 = CB 16 = Gutter 15 = 5' Palm 20 30

280.45 280.25
4.32 4.52
31 : ℄ 10' Conc Dr. 40 on Dr.

28477 ✓

Brooklyn Ave

4+36

4+0

3+98 31.0' Rt of ℄ = Sly Power Pole ✓

3+91 19.3' Rt of ℄ = Sly 8" Tree ✓

3+83 = ℄ 1' Conc Walk on Rt

3+59 = ℄ 10.3 Conc Drive on Rt

TP 0.94 ℄81.85 3.86 ℄80.91

3+71 19.5' Rt of ℄ = Sly 18" Palm ✓

3+50

3+48 19.3 Rt of ℄ = Sly 8" Tree ✓

3+43 = ℄ Ly 4" CL Wly 6" CL on Lt ✓

℄84.77

Lt	℄	Rt
279.1 2.7 30	278.76 3.09 16=Curb	277.9 3.9 16=Gutter 277.3 4.5
281.1 0.7 30	280.23 1.63 16=CL	279.5 2.3 16=Gutter 279.1 2.7
282.4 2.4 30	281.89 2.88 16=CL	281.3 3.35 16=Gutter 280.8 4.0
282.39 2.38 16=4"CL to West	281.95 2.82 16=6"CL to East	281.4 3.4 16=Gutter ℄84.77 ✓

Rt			
276.2 5.6 15=Sly Pole	276.5 5.3 30	275.9 5.9 30	275.7 6.1 40
278.0 3.8 15=Sly Pole	278.3 3.5 30	278.0 3.8 30	276.8 5.0 40
279.04 2.81 29.5=℄ 1' Conc Walk		279.19 2.66 47 on Walk	
278.80 3.05 28.5=℄ 10.3' Conc Drive		279,61 2.24 40 on Dr.	
279.7 5.1 15=Sly Pole	279.9 4.9 30	279.8 5.0 30	280.0 4.8 40

℄81.85 ✓

5+60				
5+37	30.8 Rt of Δ = Sly Power Pole ✓			
5+34				
TP	0.09	271.42	10.52	271.33
5+15				
5+04	21.6 Lt of Δ = Mly 8" Olive Tree ✓			
5+0				
4+95	= Δ 8" Conifer on Rt			
4+82	18.5 Rt of Δ = Sly 6" Tree ✓			
	21.7 Lt of Δ = Mly 8" Olive Tree			
4+69	= Mly CB on Lt ✓			
		281.85		

Lt		Δ		Rt
272.0	271.4	269.5	269.3	268.4
+0.6	0.0	1.9	2.1	3.0
30	20	16=Mly Pav		18=Sly Pav ✓

268.9	267.9	267.3					
4.5	3.5	4.1					
20	30	40					

273.4	271.5	271.2	270.5	271.1	271.1	271.7	281.5
+3.0	+0.1	0.2	0.9	0.3	0.3	+0.3	1.9
60	16=Mly Pav		16=Sly Pav	20	30	Bottom Concrete	40

271.42 ✓

271.51	271.53
10.34	10.32
27.3=Δ Asphalt on Walk	40 on Walk

276.4	275.2	274.2	273.9	273.2	273.1	272.4	272.0
6.4	6.8	7.8	7.9	8.6	8.7	9.4	9.8
30	20	16=Mly Pav		18=Sly Pav	20	30	40

272.92	272.54	272.12
8.93	9.31	9.73
26.4=Δ 8" Conc Drive	30 on Dr. Brk	40 on Dr.

277.6	277.05	276.1	275.7	274.8	275.3	274.3	273.7
4.7	4.80	5.7	6.1	7.0	6.5	7.5	8.1
30	16=Mly CB	16=Gutter		16=Sly Pav	20	30	40

281.85 ✓

Brooklyn Ave.

BM			6.84	263.52	4" Pipe S/W. Box Culv. Imperial + 69th St. 2854
TP	0.65	259.86	12.21	259.21	

6+20.72 = ℄ 69th St.

6+13 = ℄ Ly Oil Paving

6+09 = Existing 22" Steel Pipe Culvert

6+05.72 = ℄ 69th St.

5+80

271.42

℄ ℄ RR

266.1	264.9	263.7	262.7	261.9	261.2	260.4	260.0	258.7
5.3	6.5	7.7	8.7	9.5	10.2	11.0	11.4	12.7
10	30	20	10		10	20	30	40

263.6	262.4	261.45	263.7	262.2	262.3	261.1	260.5	258.20 259.91
3.8	9.0	9.97	7.7	8.2	9.1	10.3	10.9	12.2 12.3
30	20	16: Flow Line	13: 15" RCP		10	22: 15" RCP	25	28.5: 15" RCP Flow Line

269.4	267.7	264.3	265.2	264.5	263.0	261.4	260.5	259.7
2.0	3.7	7.1	6.2	6.9	8.4	10.0	10.9	11.7
30	22	15	13: 15" RCP		18: 15" RCP	25	30	40

270.8	270.0	267.5	267.1	266.0	265.4	264.2	263.3
0.6	1.4	3.9	4.3	5.4	6.0	7.2	8.1
30	20	15: 15" RCP		13: 15" RCP	20	30	40

271.42 ✓

Cross Section Brooklyn Ave.
66th St to 65th St.

1+46	21' Lt of Z = S/y Power Pole			✓
1+30				
TP	11.53	26735	0.15	255.82
1+0				
0+70	20' Lt of Z = S/y Power Pole			✓
TP	12.20	25597	0.05	243.77
0+47				
0+30				
0+0 = N.L. 66th St From South				
BM	11.22	24382		232.60

Brooklyn Ave. N.L. 66th St Topo 36

Lt=S Z Rt=N

51

Sept 22-41

24.71	25.33	25.46	25.59	25.70	25.82	25.93	25.99	26.12
20.2	14.0	13.7	11.4	10.6	9.1	8.0	7.4	6.1
50	40	30	20	10		10	20	30

26735 ✓

23.02	24.47	24.96	25.19	25.31	25.43	25.48	25.54	25.64
25.8	14.3	6.4	4.1	2.9	1.7	1.2	0.6	+0.4
57	30	20	10		10	20	30	40

23.12	23.10	23.17	23.67	24.33	24.63	24.82	24.94	25.00
24.8	25.0	24.3	19.3	13.7	9.7	7.8	6.6	6.0
45	30	24	5		10	20	30	40

25597 ✓

23.18	23.15	23.21	23.19	23.33	23.66	23.96	24.25	24.50
15.0	12.3	11.7	11.9	10.5	7.3	4.3	1.3	+1.3
40	30	20	8		10	20	30	40

22.98	23.17	23.16	23.20	23.30	23.29	23.53	23.89	24.18
14.0	12.1	11.9	11.8	10.8	10.9	8.5	4.9	2.0
40	30	20	10		8	20	30	40

23.20	23.18	23.25	23.30	23.31		23.23	23.23	23.25
11.8	12.0	11.3	10.8	10.7		11.5	11.5	11.3
40	30	20	10			10	20	30

24382 ✓

3+43	21.3 Lt of ℄ = Sly Power Pole ✓			
3+0				
2+80				
2+51				
2+30	21 Lt of ℄ = Sly Power Pole ✓			
2+0				
TP	3.53	270.63	0.25	267.10
1+80				
		267.35		

Lt. ℄ Rt

262.1	262.9	263.3	263.2	263.4	263.7	264.2	265.0
8.5	7.7	7.3	7.4	7.2	6.9	6.4	5.6
10	30	20	10		10	20	30
264.4	264.8	265.0	264.8	265.0	264.6	265.0	266.9
6.7	5.8	5.6	5.8	5.6	6.0	5.6	3.7
10	30	20	10		10	20	30
264.2	265.1	265.6	266.5	267.4	267.8	267.7	268.3	270.50
6.4	5.5	5.0	4.1	3.2	2.8	2.9	2.3	0.13
10	30	20	10		10	20	30	31=Top Cable Rail
								32=Cable pivot
263.6	264.4	265.3	266.3	267.6	268.8	270.0	271.3	
7.0	6.2	5.3	4.3	3.0	1.8	0.6	+0.7	
10	30	20	10		10	20	30	30=Wire Fence
260.9	262.8	264.0	265.0	266.2	267.2	268.3	270.1	
9.7	7.8	6.6	5.6	4.4	3.4	2.3	0.5	
15	30	20	10		10	20	30	30=Wire Fence
				270.63 ←				
260.0	261.8	262.7	263.9	264.6	265.7	266.3	267.3	
7.4	5.5	4.6	3.4	2.7	1.6	1.0	0.0	
15	30	20	10		10	20	30	30=Wire Fence
				267.35 ✓				

Brooklyn Ave.

5+02	29.1 = Picket Fence Sct. ✓
5+0	
4+70	
4+47	28.5 Lt of Z = Ely Picket Fence ✓
4+45	
4+44	21.5 Lt of Z = Sly Power Pole ✓
4+0	
3+70	
3+45	

270.63

Lt			Z		Rt		
256.4	257.1	257.7	258.6	259.1	259.1	259.7	260.5
14.2	13.5	12.9	12.0	11.5	11.5	10.9	10.1
40	30	20	10		10	20	40
256.8	257.0	257.3	258.7	258.8	258.8	258.8	259.7	260.0
13.8	13.6	13.3	11.9	11.8	11.8	11.8	10.9	10.6
40	30	20	10		10	20	30	40
254.9	257.0	258.0	258.5	258.9	258.8	259.1	260.8	261.1
15.7	13.6	12.6	12.1	11.7	11.8	11.5	9.8	9.5
50	30	20	10		10	20	30	40
258.5	258.8	259.1	259.0	259.4	259.4	259.6	260.6	261.0
13.1	11.8	11.5	11.6	11.2	11.4	11.0	10.0	9.6
40	30	20	10		15	25	30	40
258.9	259.8	260.8	260.6	260.1	260.5	260.2	260.9	261.6	261.7
11.7	10.8	9.9	10.0	10.5	10.1	10.4	9.7	9.0	8.9
40	30	20	10		10	15	20	30	40
259.7	260.1	260.8	261.2	261.2	261.5	262.3	262.7	263.0
10.9	10.5	9.8	9.4	9.4	9.1	8.3	7.9	7.6
40	30	20	10		15	20	30	40

270.63 ✓

6+66 = ℄ Existing 22" Steel Pipe

TP	4.70	268.99	6.84	264.29

6+50.81 = E.L. 65'55' From N

6+35

6+07 292.4 Lt of ℄ = Wly Picket Fence

6+0

5+85

5+82 225.0 Lt of ℄ = Sly Power Pole ✓

5+40

270.63

6+	5+	4+
262.46	265.1	266.2
65	0.9	7.8
54	4.5	6.0
20	22" CMP	
	270.63	
266.6	266.6	266.8
7.4	7.4	8.3
7.5		7.3
	268.99 ✓	
268.0	265.07	266.5
1.0	0.99	2.5
1.8	2.23	6.0
	22" CMP	
	270.63	
264.1	264.1	265.8
6.5	6.5	4.8
4.0	6.0	2.3
265.3	265.4	266.4
5.3	5.4	4.4
1.8	8.4	1.5
267.1	267.1	
8.5	8.5	
6.0	4.0	
263.5	263.5	264.5
7.1	7.1	6.1
4.0	6.0	2.0
264.3	264.2	264.0
6.3	6.4	6.6
1.4		9
265.9	266.3	266.4
4.7	4.3	4.2
1.6	6.0	4.0
262.1	262.9	262.5
8.5	8.0	8.1
4.0	6.0	2.0
262.6	261.9	261.8
8.0	8.7	8.8
1.0	8	
261.4	262.8	263.5
9.2	7.8	7.1
1.1	1.5	6.0
263.8		
5.8		
4.0		
261.2	261.9	261.6
9.4	9.3	9.0
4.0	6.0	2.0
261.8	261.2	260.9
8.8	9.4	9.7
1.0	6.5	
260.6	261.9	263.0
10.0	8.7	7.6
1.2	1.5	6.0
263.0		
7.6		
4.0		
258.6	258.8	259.0
12.0	11.8	11.6
4.0	6.0	1.5
260.3	259.8	259.7
10.3	10.8	10.9
6.3		1.5
260.9	261.2	
9.7	9.4	
6.0	4.0	

270.63 ✓

Brooklyn Ave

BM			10.80	223.74	SE Top Hyd. Imperial + 65th St 223.64
TP	0.40	234.54	12.21	234.41	
TP	0.55	24635	11.54	24580	
TP	0.44	25734	11.89	257.10	
6+80.81 = ℄ 65th St on Paving					
BM			1.90	267.09	L+T ℄ Brooklyn ℄ 65th St
6+73 = Fl. Edge Block Paving					
		268.99			

L+T 2 R+ 55

Foot Bridge Brooklyn Ave & 45th St

	4.67	271.76		267.09	BM ℄ L+T
T.P	0.21	260.91	11.86	259.90	65th Brooklyn
TP	6.36	248.73	11.74	248.37	
40' W of W Line 66th St E End Foot Bridge Deck			12.78	235.98	
4+53 W of W.L 65th St W end Foot Bridge Deck			15.57	233.16	

Copied from paper by A.E.B
Oct 23-41

266.31 266.60 266.86 267.09 267.98 267.59 267.96
2.68 2.39 2.13 1.90 1.01 1.40 1.03
30 20 10 20 10 20 30

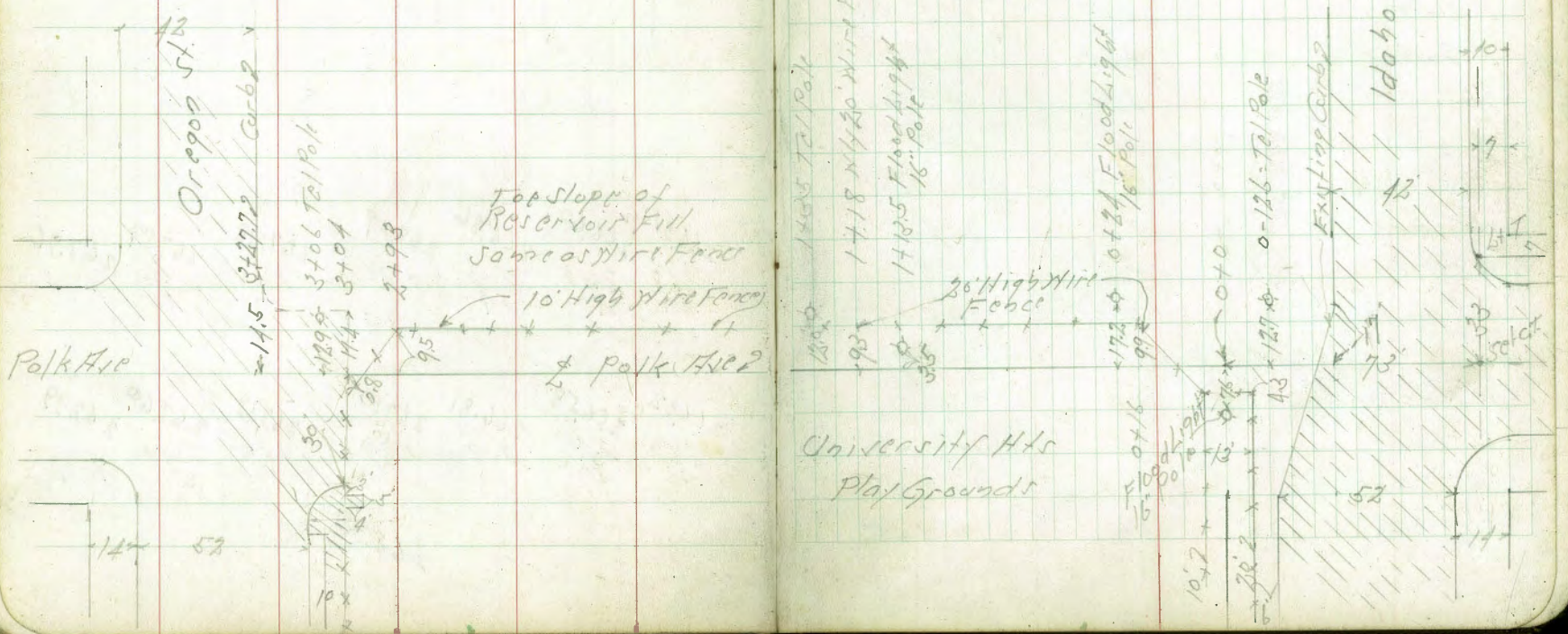
266.32 266.58 266.81 267.10 267.39 267.60 267.99
2.67 2.41 2.18 1.89 1.60 1.39 1.00
30 20 10 20 10 20 30 + Skew Str. P

268.99

Location of Improvements
Polk Ave Idaho to Oregon

INDEXED
EFB

Dec. 9-41
Sisson
W Moore
Svelmoe



Cross Section 22nd St B St to A St.

INDEXED
EFB
SWBP

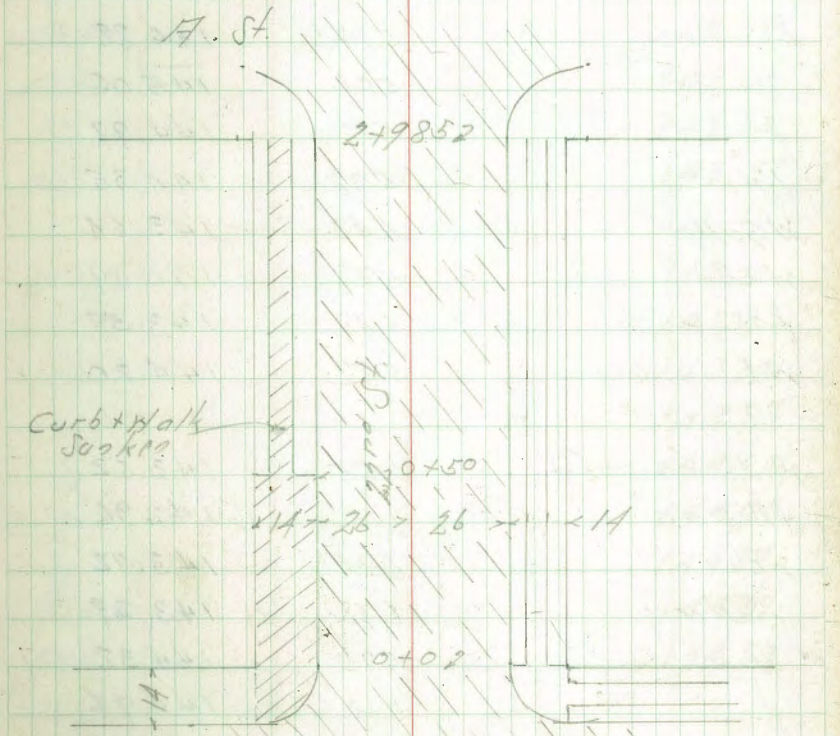
BM	465	150.07	145.42	B St & 22nd St
		0-14 = W Cb Line B St.		
W Top Cb		5.23	144.84	
W Gutter		5.84	144.23	
Cb		5.69	144.38	
¼		5.42	144.65	
℄		5.28	144.79	
¼		5.02	145.05	
Cb		4.86	145.21	
E Gutter		4.53	145.54	
E Cb		4.09	145.98	
		0+0 = W L. B St.		
E Cb Top		4.13	145.94	
E Gutter		4.83	145.24	
¼		4.82	145.25	
℄		4.95	145.12	
¼		5.26	144.81	
W Gutter		5.91	144.16	
W Cb Top		5.42	144.65	
W L on walk		5.00	145.07	
		0+14 = Break in Cb & Walk on W		
W L on walk		5.50	144.57	
W Cb		5.59	144.48	
W Gutter		6.09	143.98	
¼		5.42	144.65	

Red. Plot. Mobile 1533
Left 12-1/2-41

80' Wide
14 Cbs
12 Qtrs

Dec. 9-41
Sissons
W Moore
5 x 6 / mo

57



150.07		
℄	4.89	145.18
¼	4.81	145.26
E Gutter	4.97	145.10
E Cb Top	4.41	145.66
0+35		
E Cb	4.71	145.36
E Gutter	5.19	144.88
¼	5.01	145.06
℄	5.10	144.97
¼	5.72	144.35
W Gutter	6.43	143.64
W Cb	5.98	144.09
+0.8 on Walk	6.48	143.59
W L on Walk	5.87	144.20
0+50		
W L on Walk	6.55	143.52
+13.2 on	7.11	142.96
W Cb	6.35	143.72
Gutter	6.78	143.29
¼	5.75	144.32
℄	5.13	144.94
¼	5.03	145.04
E Gutter	5.27	144.80
E Cb	4.86	145.21

150.07		
0+75		
E Cb Top	5.30	144.77
Gutter	5.51	144.56
¼	5.32	144.75
℄	5.42	144.65
¼	5.95	144.12
Gutter	6.93	143.14
W Cb	6.46	143.61
+7 on Walk	6.75	143.32
W L on Ground	6.6	143.5
1+0		
W L on Ground	7.1	143.0
+7 on Walk	7.34	142.83
W Cb	6.73	143.34
Gutter	7.20	142.87
¼	6.07	144.00
℄	5.52	144.55
¼	5.48	144.59
Gutter	5.70	144.37
E Cb	5.54	144.53
1+25		
E Cb	5.08	144.99
Gutter	5.65	144.42
¼	5.60	144.47
℄	5.73	144.34

	150.07		
℄		6.11	143.96
W Gutter		6.97	143.10
WCb		6.48	143.59
+7 on Walk		6.32	143.75
WL on Ground		6.3	143.8
TP	5.28	149.39 5.96	144.11
	1+50		
WL on Ground		6.0	143.4
+7 on Walk		5.72	143.67
WCb		5.86	143.53
Gutter		6.37	143.02
℄		5.53	143.86
½		5.21	144.18
℄		5.02	144.37
Gutter		5.13	144.26
ECb		4.39	145.00
	1+75		
ECb		4.54	144.85
Gutter		5.30	144.09
℄		5.24	144.15
½		5.42	143.97
℄		5.84	143.55
Gutter		6.69	142.70
WCb		6.13	143.26
+7 on Walk		6.02	143.37
WL on Private Walk		5.9	143.5

	149.39		
	2+0		
WCb		6.30	143.09
Gutter		6.90	142.49
℄		6.05	143.34
½		5.62	143.77
℄		5.42	143.97
Gutter		5.46	143.93
ECb		4.67	144.72
	2+50		
ECb		5.07	144.32
Gutter		5.80	143.59
℄		5.79	143.60
½		6.05	143.34
℄		6.53	142.86
Gutter		7.38	142.01
WCb		6.88	142.51
	2+98.5 - Cb BC		
WCb		7.38	142.01
Gutter		7.86	141.53
℄		6.92	142.47
½		6.37	143.02
℄		6.12	143.27
Gutter		6.10	143.29
ECb		5.38	144.01

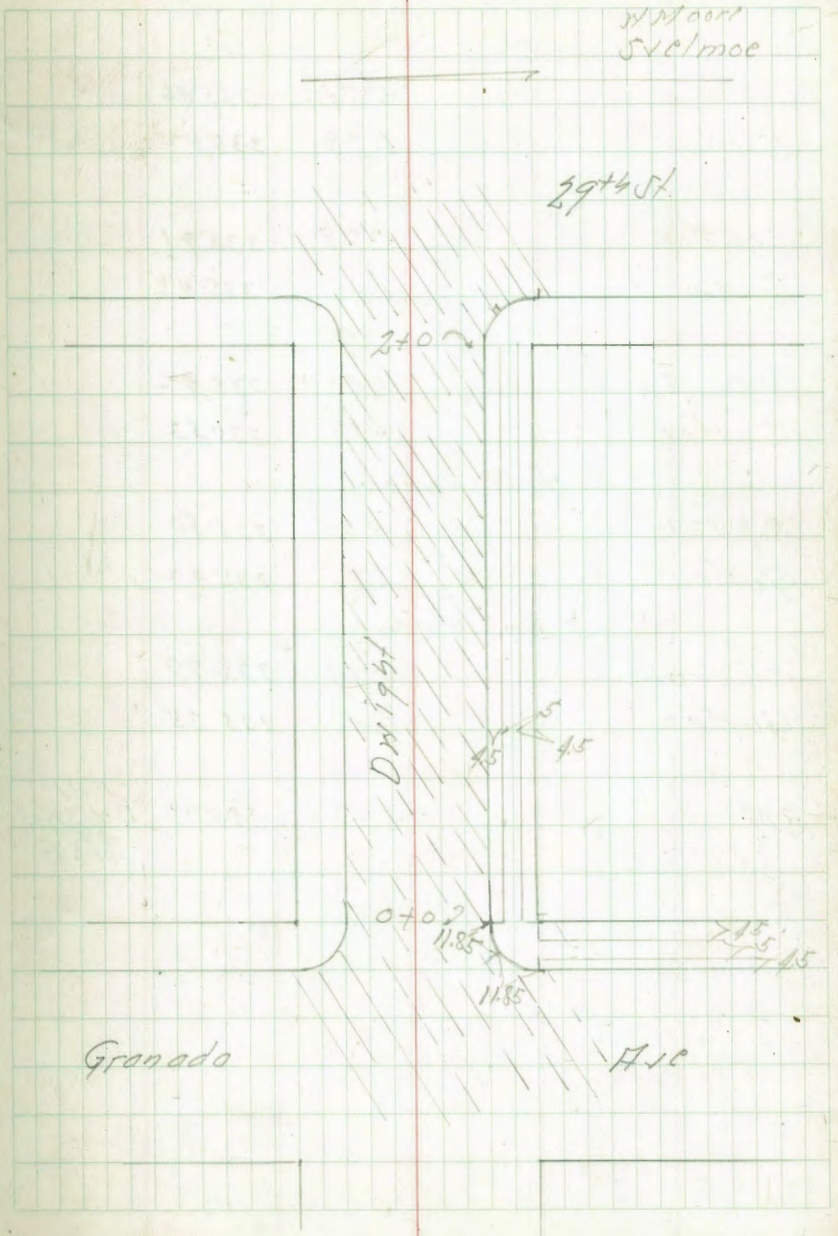
Dec. 9-41
Sinon

Dwight St. South Curb Levels
Granada Ave to 29th St.

INDEXED
EFB
S.W. B.P.
Dwight St
Granada

BM	6.15	341.70		335.55
	South End Curb Return			
Top Curb			6.20	335.7
Gutter			6.66	335.04
	℄ Return			
Top Curb			6.11	335.59
Gutter			6.54	335.16
	0+0 = E.L Granada			
Scb Top			6.10	335.60
Gutter			6.37	335.33
	0+25			
Scb Top			6.17	335.53
Gutter			6.32	335.38
	0+50			
Scb Top			6.11	335.59
Gutter			6.28	335.42
	0+75			
Scb Top			6.07	335.68
Gutter			6.23	335.47
	1+0			
Scb Top			5.98	335.72
Gutter			6.24	335.46
	1+25			
Scb Top			5.94	335.76
Gutter			6.25	335.45

p/c Head of Hill



	341.70		
	1+50		
SCb Top		5.84	335.86
Gutter		6.28	335.42
	1+75		
SCb Top		5.79	335.91
Gutter		6.25	335.45
	2+0 = M.L. 29.68		
S Cb Top		5.88	335.82
Gutter		6.17	335.53
	℄ Return		
Cb Top		5.80	335.90
Gutter		6.28	335.42
	S End Return		
Cb Top		5.93	335.77
Gutter		6.35	335.35
BM.		5.93	335.77

S.E. BP
Dn 12+1 X
335.89

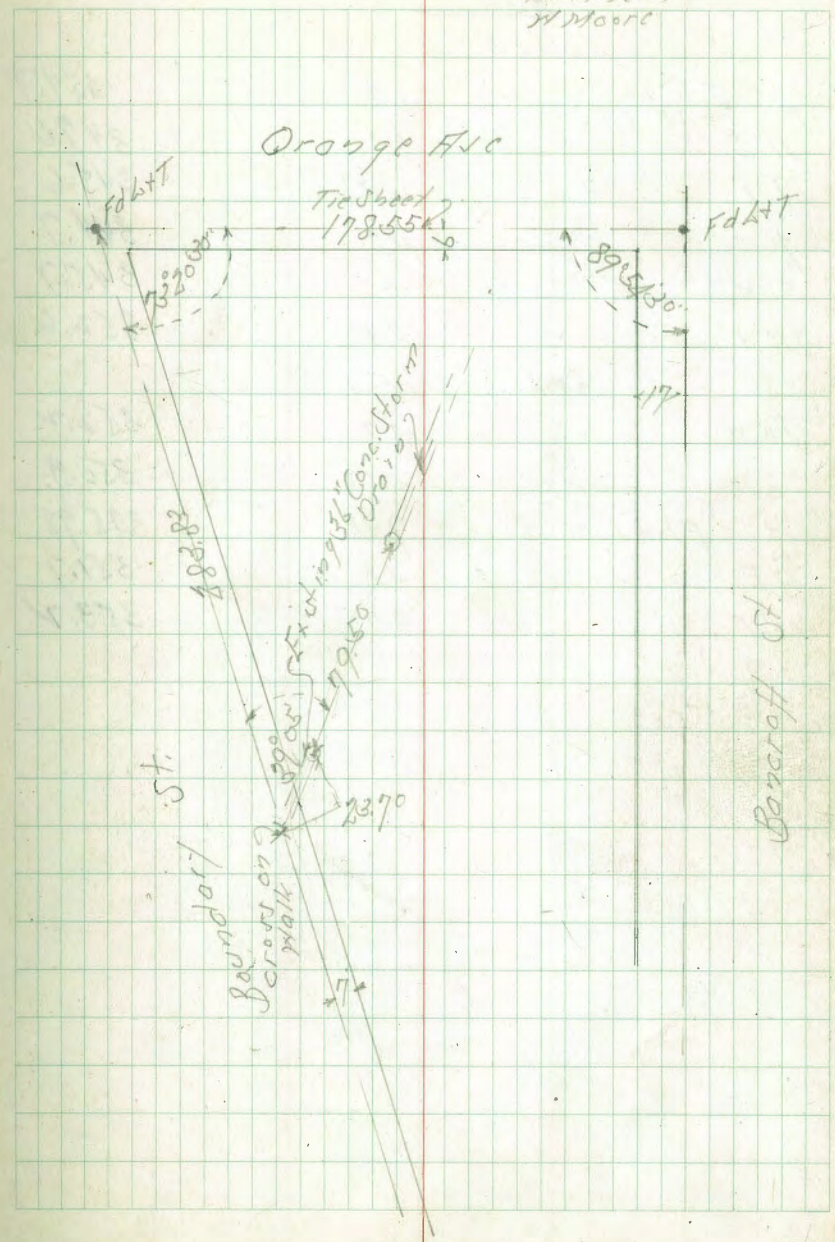
Indexed
Dec. 17-41
Sissom
Mortsen
W Moore

62

Proposed Storm Drain Between
Boundary - Bancroft & Orange Ave

BM	6.89	365.00		358.11	P.K. BP Orange & Bancroft
TP	5.18	355.90	12.28	352.72	
		0+00 = 6'S W. of Existing 36" Storm Drain			
12' E			5.3		350.6
"			6.8		349.1
8' W = Fly Conc. Walk			6.3		349.6
		0+06 = Fly 36" Conc. Storm Drain			
11' W			5.6		350.3
" = Flow Line 36" RCP			11.63		344.27
14' E			5.5		350.4
		0+30			
17' E			1.8		354.1
5' E			11.0		344.9
"			11.2		344.7
2' W			11.0		344.9
12' W			4.5		351.4
		0+55			
13' W			3.7		352.2
8' E			9.2		346.7
"			9.9		346.0
9' E			10.1		345.8
12' E			4.8		347.1
20' E			0.4		355.5

Read, Plotted 2/24/42 (W.)



	0+65		
20° E		1.2	354.7
11° E		6.3	349.6
9° E		10.3	345.6
℄		11.2	344.7
8° W		10.2	345.7
15° W		6.3	352.6
	0+85.5 = ℄ Road		
10° W		8.7	352.2
8° W		5.0	350.9
℄ = Flow Line		9.92	345.98
8° E		4.2	351.7
10° E		2.7	353.2

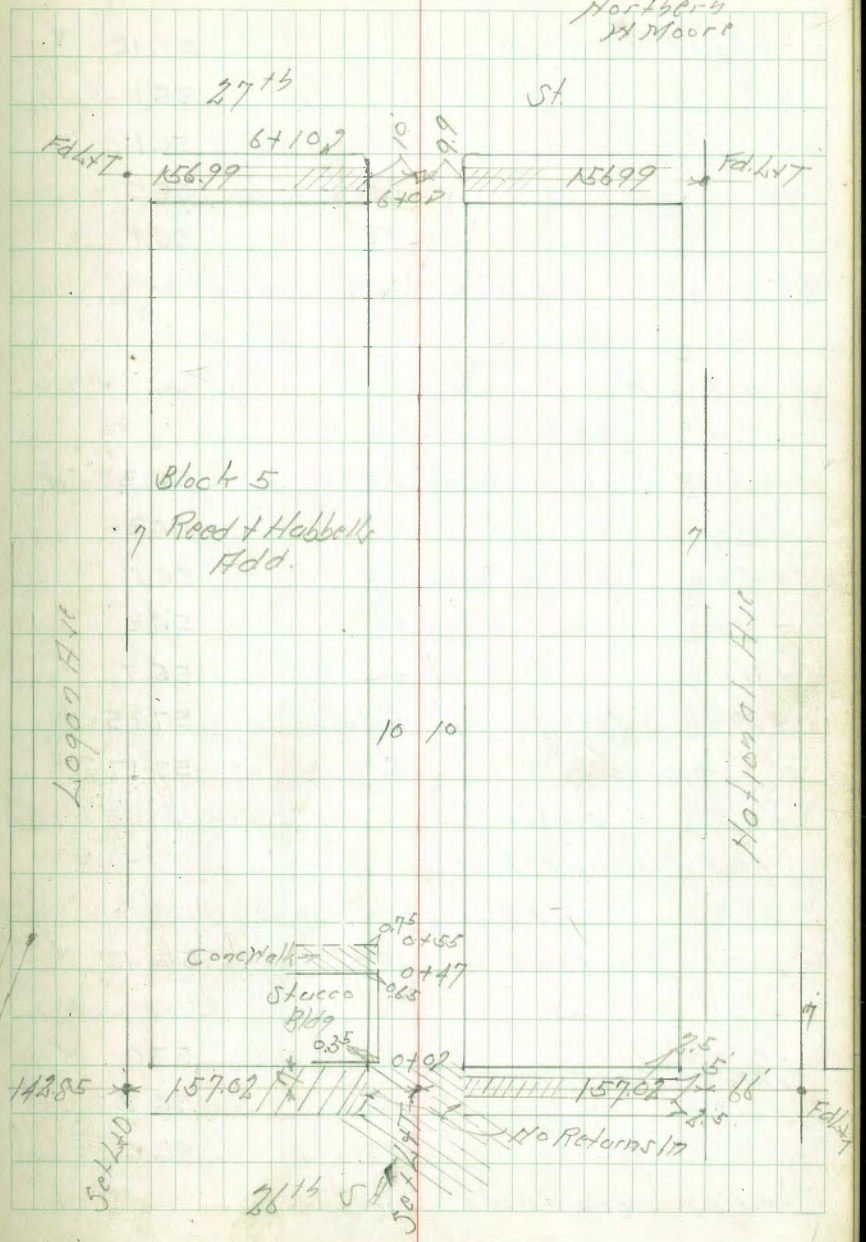
Cross Section Alley Block 5 Reed + Hubbell
From 26½ St to 27½ St. Between Logan + National

B.M.	8.90	58.86	49.96	N.E.B.P. National +26½ St.
0+10 = E Cb Line 26½ St.				
S on Paving		5.25	53.61	
℄ " "		5.02	53.84	
N " "		4.68	54.18	
0+0 = E L 26½ St.				
N on Conc Walk		3.77	55.09	
℄ on Paving		4.22	54.64	
S " "		4.33	54.53	
-0.35 = W ly Wire Fence				
0+02				
S = S ly Power Pole				
0+25				
S		0.3	55.6	
+3		3.9	55.0	
℄		3.7	55.2	
+1		3.4	55.5	
+9.4 = S ly Stucco Bldg		2.6	56.3	
0+45				
N+1.8 = N ly Tel Pole				
0+47				
N+0.65 = W ly Conc Steps		1.67	57.19	
0+51				
S-0.8 = E ly Wire Fence				
0+55				
N on E ly Conc Walk		1.73	57.13	

Indexed C.S.K.

Dec 17-41
S. Nason
Norther-y
M Moore

64



		58.86		
+0.75 = S/y Conc Walk		1.74	57.12	✓
+5		2.8	56.1	
⌀		2.8	56.1	
+6		3.4	55.5	
S		2.8	56.1	
TP	6.46	62.46	56.00	✓
	0+64			
N+0.9 = N/y Lot S Fence				✓
	0+75			
-0.5 = ⌀ 3' Conc Walk		6.08	56.38	✓
S		6.2	56.3	
+5		6.4	56.1	
⌀		6.0	56.5	
+8		5.8	56.7	
+8.9 = S/y 4' Conc Walk		5.31	57.15	✓
N on Walk		5.29	57.17	✓
	0+82			
S+0.4 = S/y Power Pole				✓
	0+97			
S-0.1 = ⌀ 7.6 Conc Slab		5.97	56.49	✓
	1+0			
N +1.1 = E/y Lot S Fence		5.5	57.0	✓
⌀		5.8	56.7	
S		5.9	56.6	
-0.1 = W/y Board Bldg				✓

	62.46		
	1+06		
N +1.0 = ⌀ Garage Dirt Floor	5.6	56.9	✓
	1+12		
N +1.0 = W/y Board Fence			✓
	1+21		
S +0.1 = ⌀ Garage Conc Floor	5.26	57.20	✓
	1+30		
N +1.1 = E/y Board Fence W/y S Shed			
	1+33		
S = ⌀ Garage Conc Floor	5.05	57.41	✓
+5	5.6	56.9	
⌀	5.3	57.2	
+5	5.2	57.3	
+8	4.6	57.9	
+8.9 = S/y Shed Conc Found.	4.04	57.42	✓
	1+44		
S = ⌀ Garage Dirt Floor	5.2	57.3	✓
	1+50		
N = E/y Shed Conc Found	4.08	58.38	✓
+1.8 = W/y Board Fence			✓
+2.9 = N/y Tel Pole			✓
⌀	5.0	57.5	
S = E/y Garage	4.9	57.6	✓
-1.1 = W/y Board Fence			✓

	62.46			
	1+78			
S-1.1 = E ly Board Fence				✓
	1+80			
S-5.0 = W ly Do. Garage Conc Floor		4.35	58.11	✓
N +0.9 = ℄ Conc Walk		3.92	58.54	✓
	1+99			
S-5.0 = E ly Do. Garage Conc Floor		4.30	58.16	✓
S+0.3 = S ly Power Pole				✓
	2+0			
S		4.3	58.2	
℄		4.4	58.1	
N		4.0	58.5	
	2+01			
S-0.4 = W ly Board Fence				⌋
	2+02			
N+1.7 = E ly Board Fence				✓
TP	5.00	63.26	4.20	58.26
N-2.5 = W ly Do. Garage Conc Floor			4.31	58.95 ✓
	2+09			
S-0.4 = E ly Board Fence				⌋
	2+19			
N-2.7 = E ly Do. Garage Conc Floor			4.55	58.71 ✓
S-2.0 = ℄ Garage Conc Floor			4.77	58.49 ✓
	2+21			
N+0.8 = W ly Shed				N

	63.26			
	2+38			
S-0.6 = W ly Shed				✓
	2+49			
N+1.1 = E ly Shed				✓
	2+50			
N			4.9	58.4
+2.4 = W ly Tel Pole				✓
℄			5.1	58.2
S			5.4	57.9
	2+55			
S-0.6 = ℄ Garage Dirt Floor			5.5	57.8 ✓
	2+60			
S-0.6 = W ly Board Fence				✓
	2+75			
S-0.6 = E ly Board Fence				✓
N+0.8 = W ly Picket Fence				✓
	2+83			
S-6.3 = ℄ Garage Dirt Floor			6.0	57.3 ✓
	2+89			
S-0.5 = W ly Board Fence				✓
	3+0			
S = S ly Power Pole			5.3	58.0 ✓
℄			5.3	58.0
N			5.3	58.0

63.26

3+17

N = ℄ 7.5 Conc Walk 5.16 58.10 ✓

N+2.5 = S ly 9' Conc Walk 5.42 57.84 ✓

3+27

S-0.8 = E ly Board Fence, W ly Shed ✓ ✓

3+35

N = ℄ 5' Conc Walk 5.29 57.97 ✓

N+3.6 = S ly 6' Conc Walk 5.46 57.80 ✓

3+43

N+0.4 = ℄ Garage Dirt Floor 5.4 57.9 ✓

3+47

S-0.7 = E ly Shed, W ly Board Fence ✓ ✓

3+49

N+2.8 = N ly Tel Pole ✓

3+50

N 5.2 58.1

℄ 5.2 58.1

S 5.2 58.1

3+60

N+0.2 = ℄ Do Garage Dirt Floor 5.3 58.0 ✓

3+70

N-0.2 = W ly Board Fence ✓

3+74

S-1.0 = E ly Board Fence

TP 5.18 63.39 5.05 58.21 ✓

63.39

3+88

S-16.3 = ℄ Do Garage Dirt Floor 6.1 57.3 ✓

4+0

-16.1 = W ly Do Garage Conc Floor 6.00 57.39

-1.1 = S ly Power

S 4.8 58.6

℄ 5.0 58.4

N 5.0 58.4

4+07

N+0.9 = E ly Board Fence, W ly Shed ✓ ✓

4+15

S-16.1 = E ly Do Garage Conc Floor 6.03 57.36

4+24

N+0.8 = E ly Shed ✓

4+25

S-0.7 = W ly Board Fence

4+50

N 5.3 58.2

℄ 4.9 58.5

℄ 4.8 58.6

S 4.7 58.7

4+64

N-1.5 = W ly 3 Car Garage Dirt Floor 5.2 58.2 ✓

4+76

S-1.5 = E ly Board Fence ✓

N+2.8 = N ly Tel Pole ✓

63.39

4+82

5-1.5 = ℄ Garage Dirt Floor	4.8	58.6	✓

4+90

5-1.4 = ℄ Garage Dirt Floor	4.8	58.6	✓

4+98

N-0.7 = Ely 3 Car Garage Dirt Floor	4.8	58.6	✓

5+70

S = Sly Power Pole	4.6	58.8	✓
℄	4.5	58.9	
+8.8 = Wly Do Garage Dirt Floor	4.6	58.8	✓
N	4.7	58.7	

5+93

N+1.5 = Wly Board Fence = Ely Do Garage Dirt Floor	4.3	59.1	✓

5+46

S-0.2 = Wly Picket Fence			✓

5+50

N	4.2	59.2	
+1.7 = Board Fence			
℄	4.2	59.2	
S	4.3	59.1	

5+68

S-0.3 = Ely Picket Fence			✓

5+75

-1.4 = Wly House	3.7	59.7	
S	3.9	59.5	

63.39

+5	4.6		58.8
℄	4.6		58.8
+5	4.5		58.9
N	3.9		59.5

5+97

N +2.3 = Nly Tel Pole				✓
TP 3.50	62.03	4.86	58.53	✓

6+10 = Nly 2.7 +57

N Top Cb = Ely Board Fence	3.76		58.27 ✓
+1.1 = Sly 0.6 Conc Wall	2.36		59.67 ✓
+5	4.2		57.8
℄ on Man Hole	4.30		57.83 ✓
+5	4.3		57.7
S Top Cb	4.35		57.78 ✓
S = Nly 0.6 Conc Wall	2.06		59.97

6+10 = N Cb Line 57 +57

S Top Cb	4.40			57.63 ✓
℄ on Ground	4.7			57.3
℄ Top Cb	3.93			58.10 ✓
TP 402	59.77	6.28	55.75	
BM		5.23	54.54	Nly 8" Hackberry 54.53

3/26/42
Blics Nors
Sommermyer T
Begg. Rod

Rex Section of Parking Area South of Amusement Center Mission Beach

BM	5.84	5.24	-0.60	SE BP San Fernando Place Mission Blvd
		0+25		
0+25 on Paving	* Note East Edge of Parking has been damaged	4.78	0.46	
" 25' East		4.6	0.6	
" 50 "		4.5	0.7	
" 75 "		4.4	0.8	
" 100 "		4.4	0.8	
" 125 "		4.6	0.6	
" 150 "		4.6	0.6	
" 176.8 "	Edge walk	4.88	0.36	
		0+50		
178.75	East Edge of walk	4.82	0.42	
150 "		4.6	0.6	
125 "		4.7	0.5	
100 "		4.6	0.6	
80 "		4.1	1.1	
70 "		4.6	0.6	
50 "		4.7	0.5	
25 "		4.6	0.6	
0+00	Ground	4.3	0.7	
" "	on Paving	4.69	0.55	
		1+00		
0+00	on Paving Grd Same	4.64	0.60	
25' East		4.5	0.7	

Red. + Plat. Roll 6274
3-30-42 QB.H.

Indexed
C.S.K.

T
5.24

50' East	4.7	0.5
75 "	4.6	0.6
100 "	4.2	1.0
125 "	4.6	0.6
150 "	4.8	0.4
175 "	4.5	0.6
180 "	4.4	0.8
181.2 Edge of walk	4.81	0.43
	1+50	
169.6 East Edge of walk	4.69	0.55
" " Ground	4.6	0.6
150 East	4.4	0.8
125 "	4.1	1.1
100 "	4.3	0.9
75 "	4.3	0.9
50 "	4.5	0.7
25 "	4.7	0.5
0+00 Grd	4.4	0.8
" " Paving	4.53	0.71
	2+00	
0+00 Grd	4.4	0.8
" " Paving	4.44	0.80
25' East	4.6	0.6
50 "	4.5	0.7
75 "	4.4	0.8
100 "	4.7	0.5

5.24

125' East	4.1	1.1
133 "	4.9	0.8
140.8 " Edge of Walk	4.63	0.61
2+50		
127.4 East Edge of Walk	4.58	0.66
105' East	4.0	1.2
100 "	4.2	1.0
90 "	4.7	0.5
75 "	4.7	0.5
50 "	4.5	0.7
25 "	4.3	0.9
0+00 on paving Grd Same	4.44	0.80
3+06		
0+00 on paving Grd Same	4.42	0.82
25' East	4.5	0.7
50 "	4.6	0.6
75 "	4.5	0.7
100 "	4.2	1.0
edge of Walk	4.32	0.92
T.P. 2.70	6.31 1.63	3.61
3+76		
94.5 East edge Ped Sidewalk	5.29	1.02
89.5 " Com. Sidewalk	5.05	1.21
75 "	4.8	1.5

6.31

50 East	5.0	0.8
25 "	5.0	0.8
5' "	5.0	0.8
0+00 on paving	5.31	1.00
3+85		
0+00	5.28	1.03
1' East	4.7	1.6
25 "	4.9	1.4
33 "	4.7	1.6
37 "	4.4	1.9
50 "	4.6	1.7
75 "	4.8	1.5
89.5 " Com Walk	5.03	1.28
94.5 " Ped "	5.36	0.95
4+25		
94.5	5.32	0.99
89.5	4.96	1.35
80 " East	4.2	2.1
75 " "	4.5	1.8
50 "	4.5	1.8
25 "	4.8	1.5
6' "	4.7	1.6
0+00 Com. Grd Same	5.22	1.09
4+75		
0+00 on con.	5.15	1.16
1' East	5.0	1.3

	631	
25' East	4.6	1.7
50' "	4.7	1.6
75' "	4.8	1.5
89. "	4.9	1.6
89.5 "	4.70	1.61
94.5 "	5.23	1.08
	5+00	
94.5 East		
89.5 "		
" " on Grd	4.8	1.5
75 East	5.0	1.3
50 "	4.6	1.7
25 "	4.5	1.8
15 "	4.3	2.0
0+00 Ground	5.0	1.3
0+00	5.03	1.28
	3+50	
0+00 on Con	4.98	1.33
" " Grd	4.8	1.5
10 East	4.7	1.6
15 "	4.3	2.0
25 "	4.4	1.9
50 "	4.2	2.1
75 "	4.3	2.0
87 "	4.5	1.8
94.5 " Pedwalk	5.13	1.18

	631	
	6+00	
94.5 East Pedwalk	5.05	
89.5 Com "		
" Ground	4.4	1.9
75 East	4.1	2.2
50 "	4.1	2.2
25 "	4.2	2.1
0+00 Grd	4.5	1.7
" " Com	4.75	1.56
	6+25	
0+00 on Com	4.66	1.65
3 East	4.2	2.1
4 East Com Walk	4.2	2.1
25 "	4.0	2.3
50 "	4.0	2.3
70 "	3.7	2.6
75 "	4.0	2.3
89.5 " Grd	4.3	2.0
" " Com Walk	4.63	1.68
94.5 Pedwalk	4.98	1.33
	6+50	
94.5 East	4.94	1.37
89.5 Grd "	4.4	1.9
" Walk	4.41	1.90
75 East	4.1	2.2
60 "	3.8	2.7
50	8.6	2.7

6.31

25 East		3.7	2.6
15 "		3.7	2.6
0+00 Con: Grd Some		4.62	
	6+75		
0+00 Con:		4.54	1.77
4 East Con:		4.0	2.3
22 "		3.5	2.8
25 "		3.4	2.9
50 "		3.6	2.7
70 "		3.6	2.7
75 "		3.8	2.5
89.5 Grd		4.3	2.0
" Con		4.42	1.89
94.5 " Wall		4.91	1.40
	7+23.5		
94.5 East Wall		4.77	1.54
89.5 "		4.24	2.07
75 "		4.0	2.3
50 "		3.8	2.5
25 "		3.6	2.7
10 "		3.6	2.7
4 "		3.9	2.4
0+00 On Con		4.41	1.90

Note on East 0+00 0.06 Higher
Orig Rod Man Held in Wrong Place

Moore
Hazard
Hoopes
5-28-42

McCall = 6.25 1/x5

x Sec Intersec. of San Antonia = 7.5 "

SWBP	3.07	7.67		4.60	McCall San Antonia
	20' w/y of w/y Line San Antonia				
S c6			1.75	6.82	
gut			2.06	5.61	
1/4			1.50	6.17	
c			1.39	6.28	
1/4			1.71	5.96	
gut			2.35	5.32	
N c6			1.70	5.97	
N L			0.8	6.9	
	W.L. S Ant.				
N L			2.1	6.6	
N c6			3.64	9.03	
gut			4.07	3.65	
1/4			3.65	9.02	
c			3.30.	9.27	
1/4			3.44	9.23	
gut			4.98	3.69	
S c6			3.43	9.22	
	W c6				
SL c6			3.76	9.21	
" gut			4.09	3.58	
c6 2 inc Fav			4.33	3.39	

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to Rascerans
Set City disc.

McCall

See C.S. 1203-45

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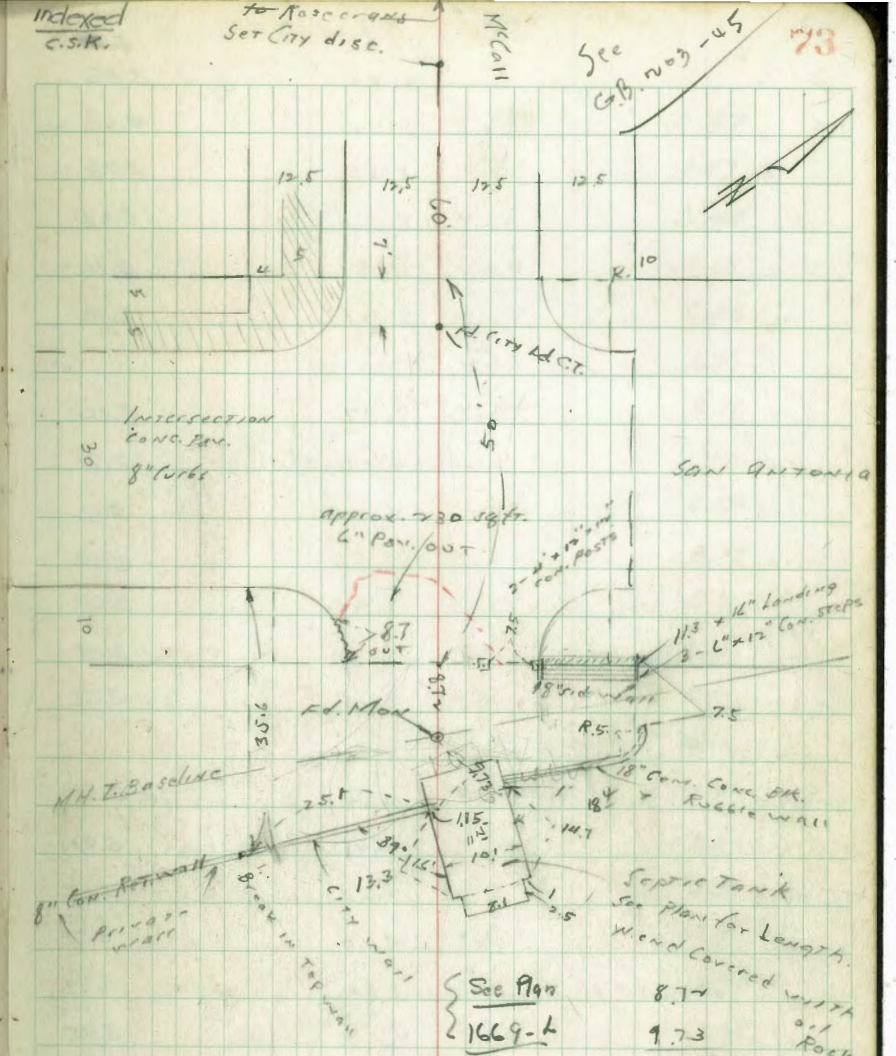

S 1/4	3.84	3.85
C	3.64	4.03
1/2	3.89	3.78
ch Pav.	4.60	8.07
Wh gut	4.51	3.16
" ch	3.71	3.96
W/4 1/4 S.A.		
W.h.	4.57	3.10
ch	4.76	2.91
1/2	4.05	3.62
C	3.84	3.83
1/4	3.99	3.58
ch	4.53	3.18
SL	4.11	3.56
E S.A.		
- 10	4.14	3.55
S.h.	4.46	3.81
ch	4.63	3.04
1/2	4.10	3.57
C on S.M.H.R.M	3.80	3.87
1/2	4.44	3.95
ch	4.88	2.79
W.h.	4.76	2.91
+ no dirt	6.4	1.5

E/4 1/4

W	5.10	2.57
ch	5.08	2.59
1/4	4.60	3.07
C	4.49	3.18
1/4	4.44	3.25
ch	4.91	2.76
SL	4.56	3.11
E/4 ch San Antonia		
- 40 ch	4.08	3.59
- 40 gut	4.50	3.17
- 20 ch	4.35	3.32
- 20 gut	4.77	2.90
SL ch Break in grade	4.47	3.20
SL ch	4.54	3.13
Sh gut	4.90	2.77
ch on dirt	4.9	2.8
1/4 " "	4.9	2.8
C " "	4.8	2.9
1/4 Pav.	5.19	2.98
ch " has been built up by St. Dept.	5.43	2.99
All gut	5.40	2.27
W h ch end	5.05	2.62
E/4 San A.		
All Top 16" Con Top Step	4.65	3.02
W ch	4.88	2.79

7.67

N	gut		5.42	2.25
N	1/4		5.45	2.22
C		dirt	6.6	1.1
C	+V		5.1	2.6
	1/4		5.2	2.5
CL		gone	5.1	2.6
S.L.			4.2	3.5

18.45 E/L of E.L San Antonio

Sec. on Line of Ret. Wall

S.L.	Top private wall		5.70	1.97
S.L.	" City "		7.60	0.07
S.L.	Sand Beach		11.2	-3.5
				and Septic
E	Top City wall		7.65	0.02 Tank
E	Beach		11.5	-3.8
+10	Top Tank & wall		7.65	0.02
"	Beach		10.8	-3.1
N	Top wall		7.17	0.50
N	Beach		10.4	-2.7

E edge Septic Tank

Top		7.64	0.03
Beach		11.8	-4.1

Notes Reduced - 5.29.82

Bliss
Sommer Myer
Begg
12/15/42

Field Check of Glorietta Heights

Sketch Not to Scale

Note. All Lots on outside Boundaries were chained and check very closely with Map.

Copy of Map filed in Work Order No. 27367. Sub. Abandoned. REC. 9-29-50

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T.P. 3661
424.75' E's

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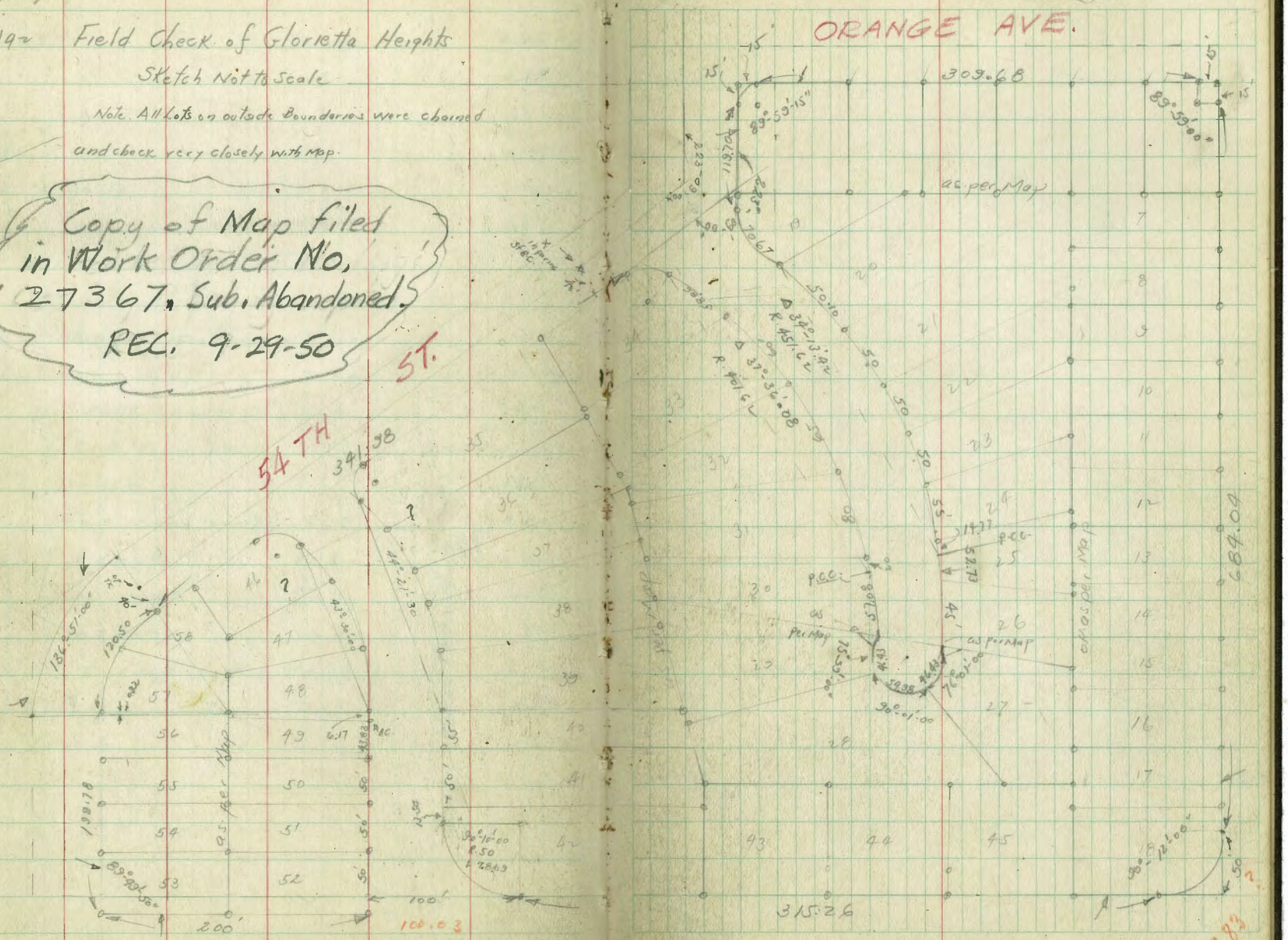
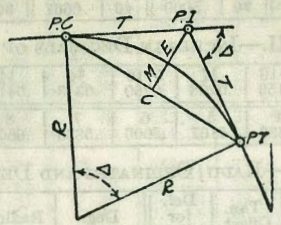


DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES



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 91.37. For from Table IV for 1° curve E=960.6 for 8° 20′=960.6÷8⅓=91.27 and from Table V correction=.10 or E=91.37 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 IV.—Tangents and Externals to a 1° Curve.

Central Angle	Tangent	External	Central Angle	Tangent	External	Central Angle	Tangent	External
91°	5830.5	2444.9	101°	6950.6	3278.1	111°	8336.7	4386.1
10′	5847.5	2457.1	10′	6971.3	3294.1	10′	8362.7	4407.6
20	5864.6	2469.3	20	6992.0	3310.1	20	8388.9	4429.2
30	5881.7	2481.5	30	7012.7	3326.1	30	8415.1	4450.9
40	5898.8	2493.8	40	7033.6	3342.3	40	8441.5	4472.7
50	5916.0	2506.1	50	7054.5	3358.5	50	8468.0	4494.6
92	5933.2	2518.5	102	7075.5	3374.9	112	8494.6	4516.6
10	5950.5	2531.0	10	7096.6	3391.2	10	8521.3	4538.8
20	5967.9	2543.5	20	7117.8	3407.7	20	8548.1	4561.1
30	5985.3	2556.0	30	7139.0	3424.3	30	8575.0	4583.4
40	6002.7	2568.6	40	7160.3	3440.9	40	8602.1	4606.0
50	6020.2	2581.3	50	7181.7	3457.6	50	8629.3	4628.6
93	6037.8	2594.0	103	7203.2	3474.4	113	8656.6	4651.3
10	6055.4	2606.8	10	7224.7	3491.3	10	8684.0	4674.2
20	6073.1	2619.7	20	7246.3	3508.2	20	8711.5	4697.2
30	6090.8	2632.6	30	7268.0	3525.2	30	8739.2	4720.3
40	6108.6	2645.5	40	7289.8	3542.4	40	8767.0	4743.6
50	6126.4	2658.5	50	7311.7	3559.6	50	8794.9	4766.9
94	6144.3	2671.6	104	7333.6	3576.8	114	8822.9	4790.4
10	6162.6	2684.7	10	7355.6	3594.2	10	8851.0	4814.1
20	6180.2	2697.9	20	7377.8	3611.7	20	8879.3	4837.8
30	6198.3	2711.2	30	7399.9	3629.2	30	8907.7	4861.7
40	6216.4	2724.5	40	7422.2	3646.8	40	8936.3	4885.7
50	6234.6	2737.9	50	7444.6	3664.5	50	8965.0	4909.9
95	6252.8	2751.3	105	7467.0	3682.3	115	8993.8	4934.1
10	6271.1	2764.8	10	7489.6	3700.2	10	9022.7	4958.6
20	6289.4	2778.3	20	7512.2	3718.2	20	9051.7	4983.1
30	6307.9	2792.0	30	7534.9	3736.2	30	9080.9	5007.8
40	6326.3	2805.6	40	7557.7	3754.4	40	9110.3	5032.6
50	6344.8	2819.4	50	7580.5	3772.6	50	9139.8	5057.6
96	6363.4	2833.2	106	7603.5	3791.0	116	9169.4	5082.7
10	6382.1	2847.0	10	7626.6	3809.4	10	9199.1	5107.9
20	6400.8	2861.0	20	7649.7	3827.9	20	9229.0	5133.3
30	6419.5	2875.0	30	7672.9	3846.5	30	9259.0	5158.8
40	6438.4	2889.0	40	7696.3	3865.2	40	9289.2	5184.5
50	6457.3	2903.1	50	7719.7	3884.0	50	9319.5	5210.3
97	6476.2	2917.3	107	7743.2	3902.9	117	9349.9	5236.2
10	6495.2	2931.6	10	7766.8	3921.9	10	9380.5	5262.3
20	6514.3	2945.9	20	7790.5	3940.9	20	9411.3	5288.6
30	6533.4	2960.3	30	7814.3	3960.1	30	9442.2	5315.0
40	6552.6	2974.7	40	7838.1	3979.4	40	9473.2	5341.5
50	6571.9	2989.2	50	7862.1	3998.7	50	9504.4	5368.2
98	6591.2	3003.8	108	7886.2	4018.2	118	9535.7	5395.1
10	6610.6	3018.4	10	7910.4	4037.8	10	9567.2	5422.1
20	6630.1	3033.1	20	7934.6	4057.4	20	9598.9	5449.2
30	6649.6	3047.9	30	7959.0	4077.2	30	9630.7	5476.5
40	6669.2	3062.8	40	7983.5	4097.1	40	9662.6	5504.0
50	6688.8	3077.7	50	8008.0	4117.0	50	9694.7	5531.7
99	6708.6	3092.7	109	8032.7	4137.1	119	9727.0	5559.4
10	6728.4	3107.7	10	8057.4	4157.3	10	9759.4	5587.4
20	6748.2	3122.9	20	8082.3	4177.5	20	9792.0	5615.5
30	6768.1	3138.1	30	8107.3	4197.9	30	9824.8	5643.8
40	6788.1	3153.3	40	8132.3	4218.4	40	9857.7	5672.3
50	6808.2	3168.7	50	8157.5	4239.0	50	9890.8	5700.9
100	6828.3	3184.1	110	8182.8	4259.7	120	9924.0	5729.7
10	6848.5	3199.6	10	8208.2	4280.5	10	9957.5	5758.6
20	6868.8	3215.1	20	8233.7	4301.4	20	9991.0	5787.7
30	6889.2	3230.8	30	8259.3	4322.4	30	10025.0	5817.0
40	6909.6	3246.5	40	8285.0	4343.6	40	10059.0	5846.5
50	6930.1	3262.3	50	8310.8	4364.8	50	10093.0	5876.1

Table V.—Corrections for Tangents and Externals.

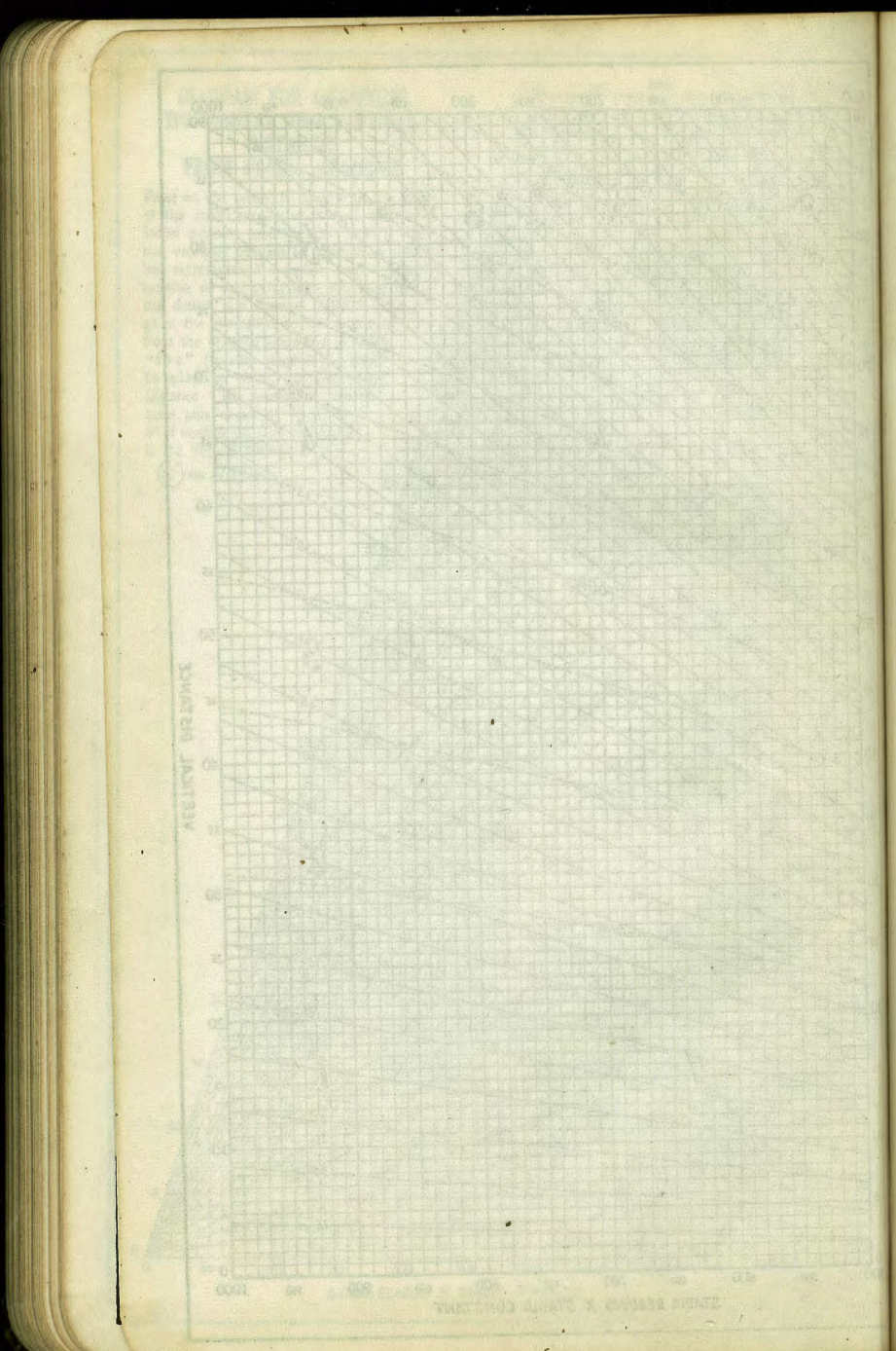
These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table IV) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

For Tangents Add

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.70	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

For Externals Add

Central Angle.	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.711	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.985	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32



1061
345
1406

1061
635
1696

524
469
055

524
432
092

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.