Sewer Location
Wabash.

571

ENGINEERING
TRANSIT BOOK
363

F.B. 571

KEUFFEL & ESSER CO.

DRAWING MATERIALS
AND
SURVEYING INSTRUMENTS.

NEW YORK.

CHICAGO. SAN FRANCISCO. ST. LOUIS.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.
FOR SINGLE TRACK EXCAVATION

"Copyright, 1895, by Keuffel & Esser Co."

MICROFILMED DEC 14 1964

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

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

Sewers -

Alignment West of Sisson

" North of E Estrella Parte

" West " " "

Indexed to date Feb. 26 1918

Card " " " Mar 21 - 1918

73

25

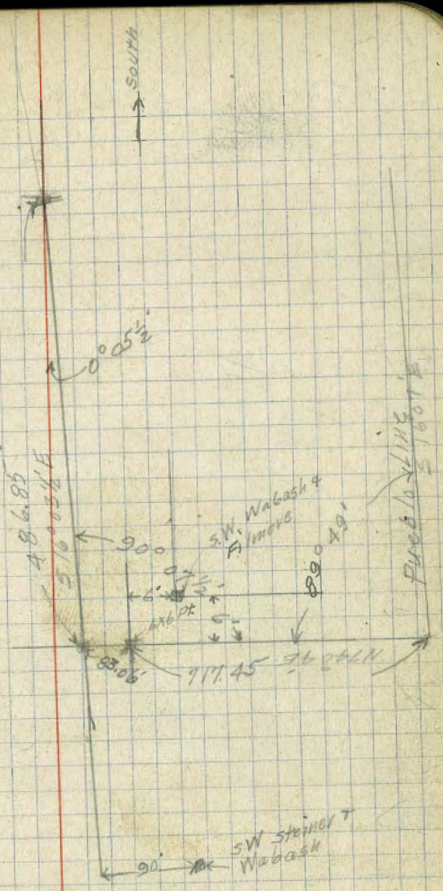
V5

Index

Wabash line Klauber - Lexington 1- 4-6

New location " " " 7-8

0+00 Wabash Inc - Page 1



Wabash Ave N.L. Klauber South -

20+77.9 P.O.T.

3955

16+82.4 P.O.T.

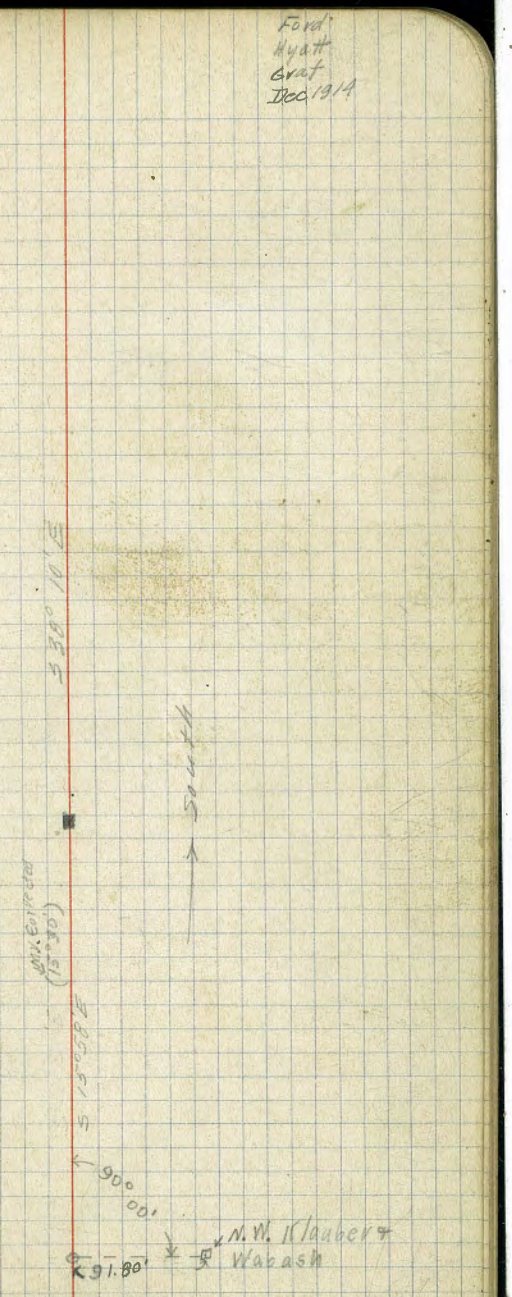
2790'

14+53.4 ΔL 22° 12'

13+67.1 P.O.T.

0+00

Ford
Hyatt
Grat
Dec 1914



Contd

41+49.9 ΔL 15° 23'

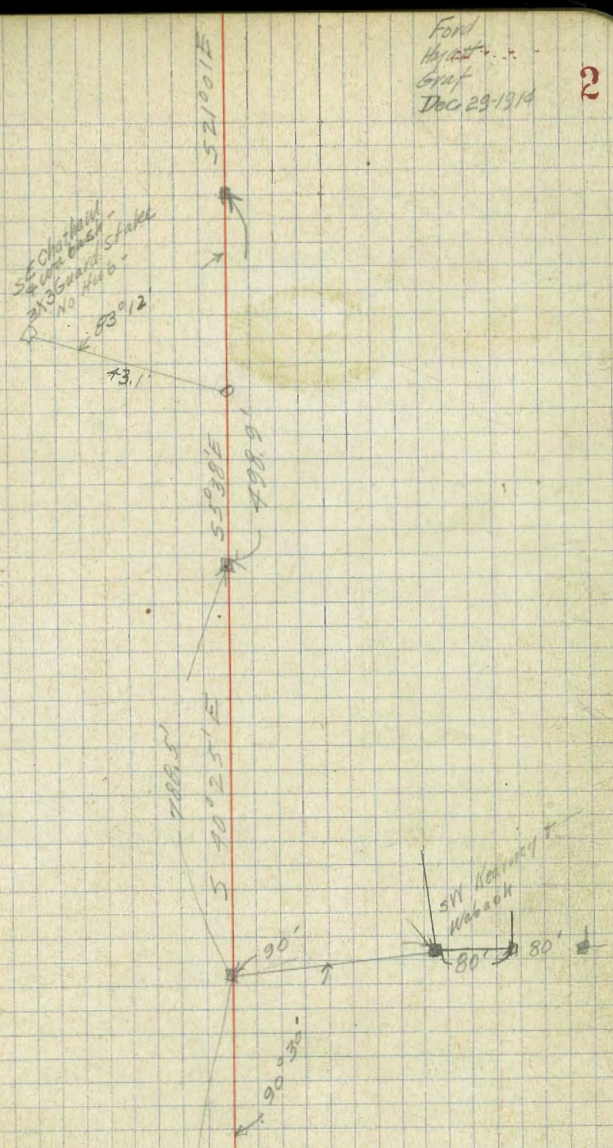
39 +37. P.O.T.

36+51.0 ΔR 34° 47' INT Wabash + Washington Lines

28+62.5 ΔL 2° 15'

Ford
Hyatt
Graf
Dec 29-1914

2



Cont'd

57+80.9 83.3

56+97.6 ΔL 15° 14'

55+09. ΔR 15° 31'

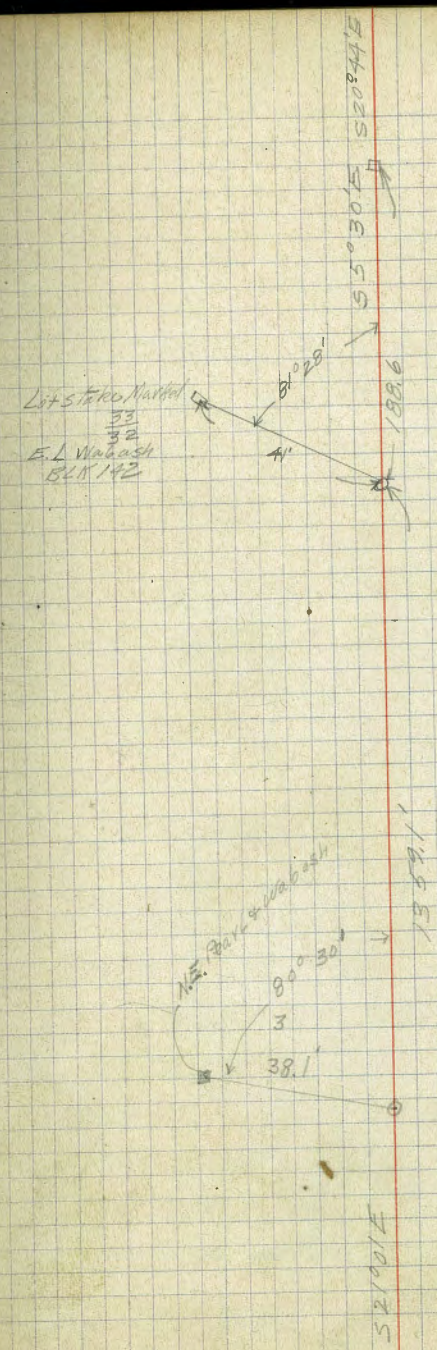
934.1

45+74.9 P.O.T. Pearl St

41.499

425

Ford
Hyatt
Grat
Dec 29 1914



Cont'd

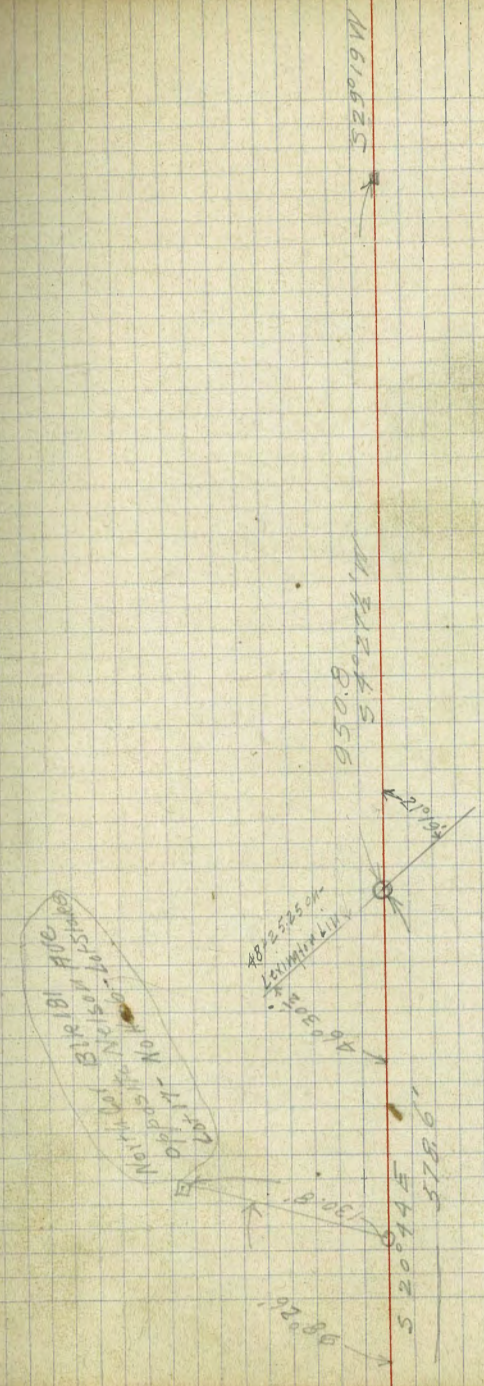
72+27 ΔR 24°51½'

62 + 76.2 ΔR 25°11½'

INT Lexington
+ Wabash Lines

495.3'
S21°10'E

57+80.9 P.O.T.



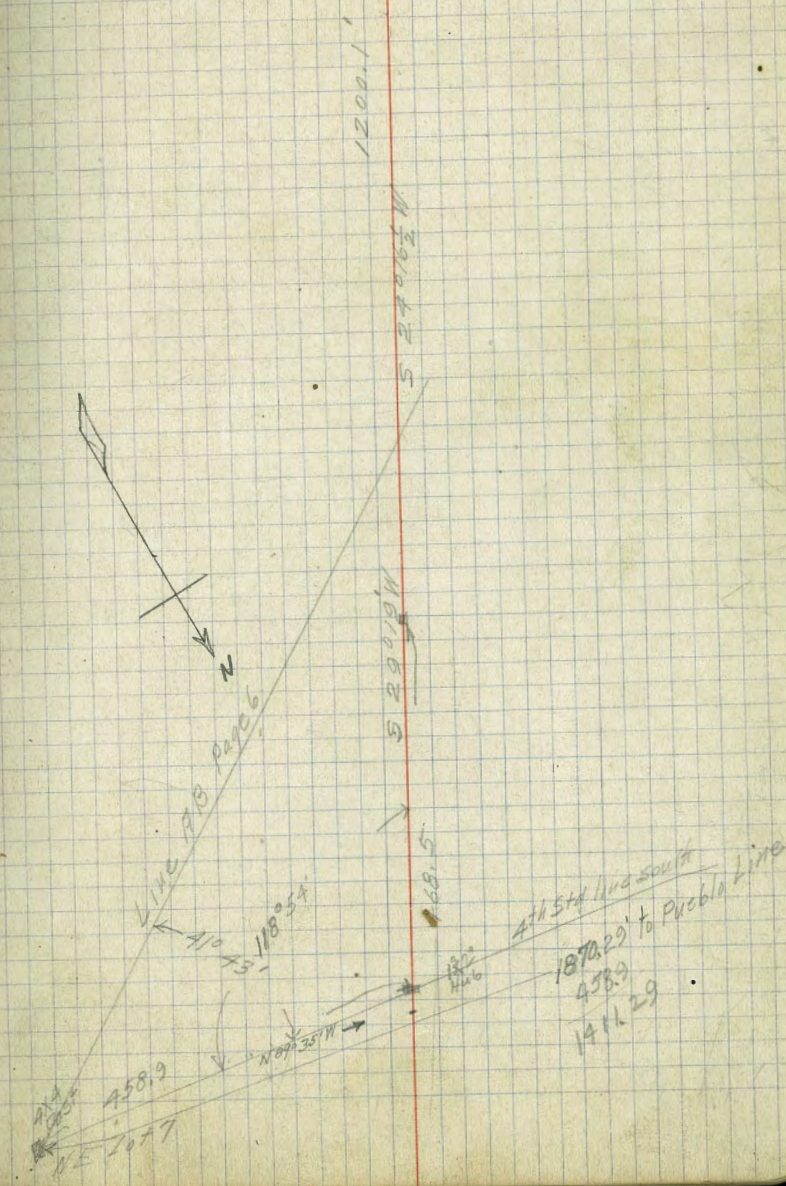
Ford
Hyatt
Graf
Dec 29-1914

87+00.

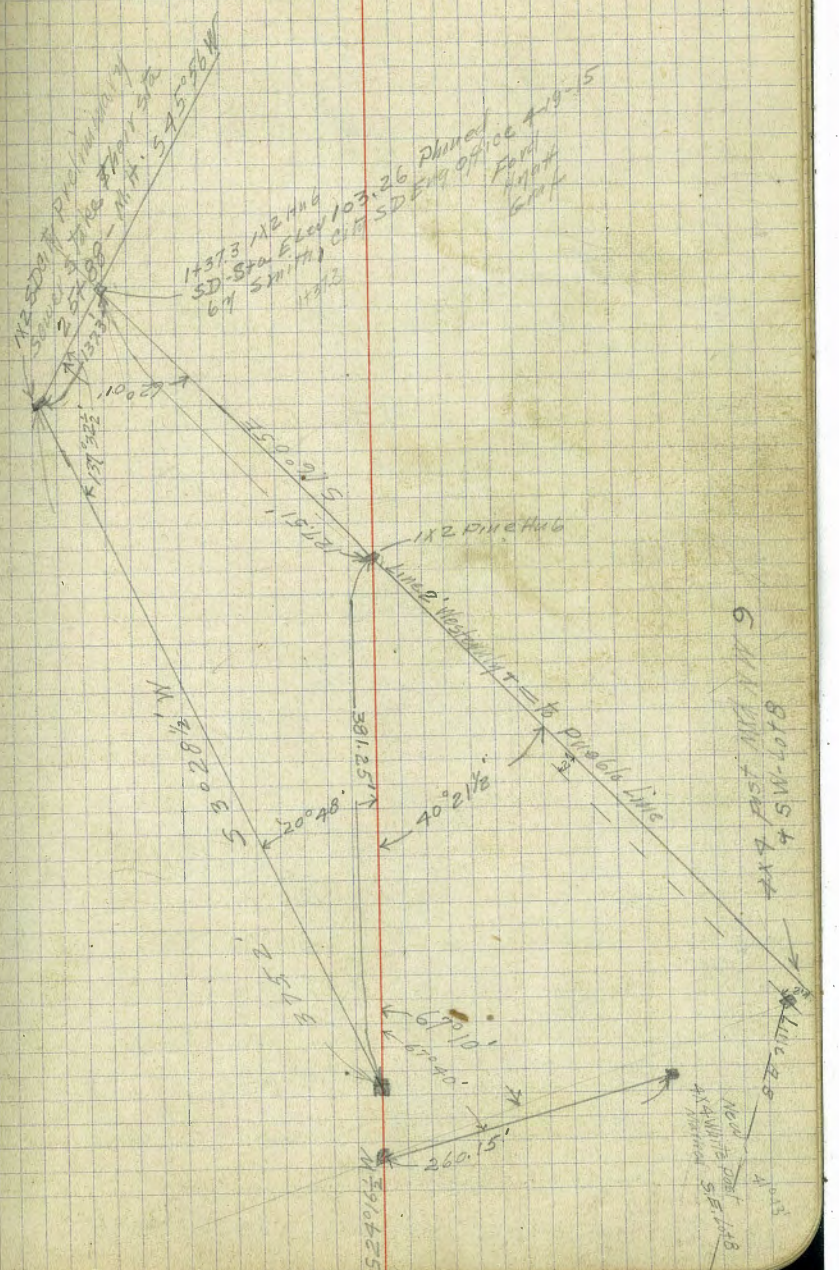
Mag Bearing S24°W Variation Allowed 15°30'

76+95.5 ΔL 5°02½'

72+30.4 POT - PI 4th Std Line South & This Line



92+70.8		1X2 Hub City of San Diego Marked 25+88. - MH
88+95.6	ΔL 20° 48'	
87+00	POT	



New Located Sewer
Wabash Ave

2x2 Hub
20+77.8
2x2 Hub
20+00 POT

PI This Line & 4th Std Line South

2x2 R&W Hub C Tack
16+09.4 . ΔL 12°21'

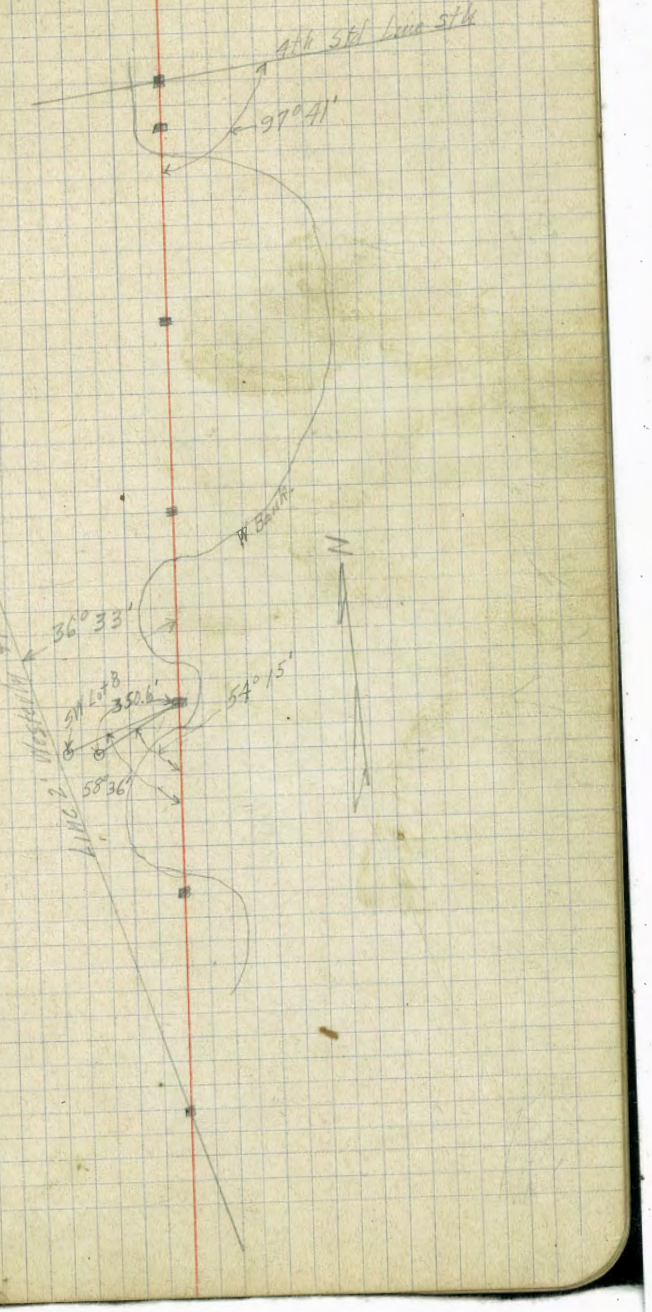
12+00 POT 2x2 R&W Hub C Tack

8+00 POT " "

4+00 POT " "

0+00 1x2 S.D. MH Stake 2' W of Pueblo Line

Ford Hunt Wright Aug 18 1916

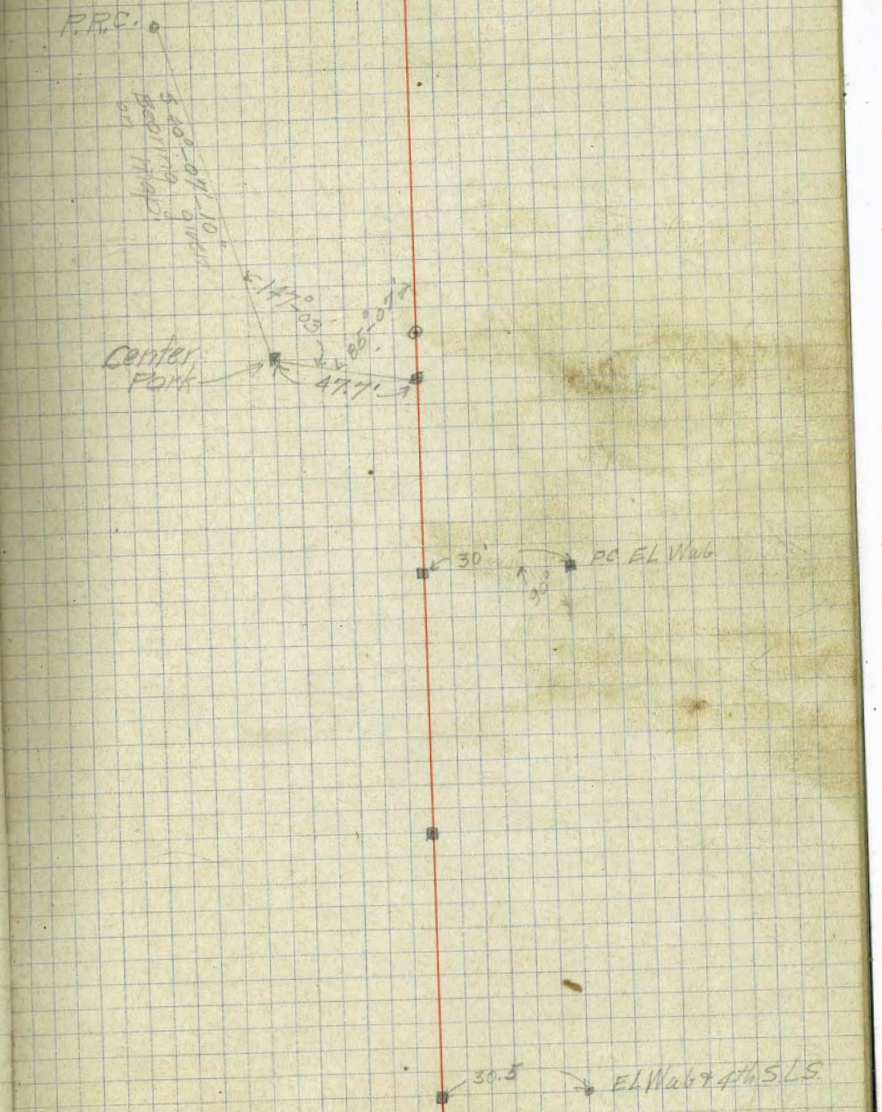


30+85.5 Old PI Old PI Flex Line
2X2
30+00

2X2
26+57.18 ΔL 20°08'

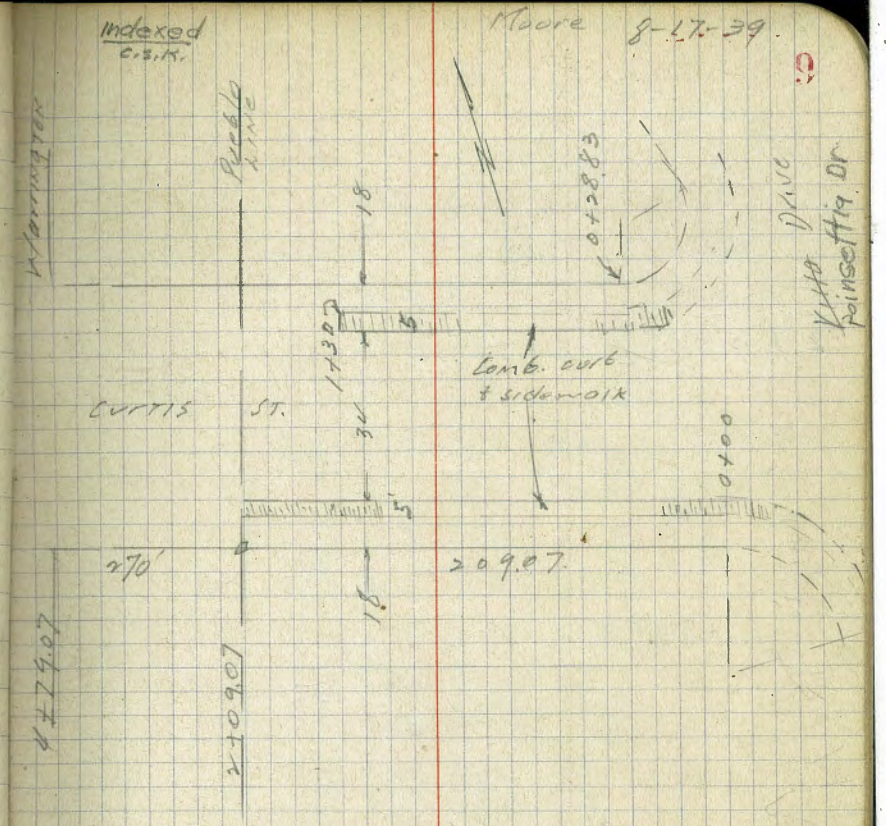
2X2
23+58.51 ΔR 24°11'

2X2
20+77.8 P.O.T. Page 1



X sec Curtis St. 70' wide
~~Kirtle Dr.~~ to Collier Park
Poinsettia to estab. grade

SEBP	2.68	153.03		150.35	Elliott Villa Dr.
TP	0.38	141.35	12.06	140.97	
	0+00				
S	cb		0.38		
	0+28.83				
S	cb		3.25		
"	gut		3.8		
C			3.1		
N	"		2.9		
"	cb		2.02		
	1+00				
N	gut in drive		9.80		
C			10.4		
S	"		11.3		
"	cb		10.55		
T.P.	0.84	129.69	12.50	128.85	
	1+30				
S	cb		1.93		
	gut		2.7		
C			0.9		
N	"		1.3		
N	end Top cb		0.86		



		129.69		
	1+50			
N			2.4	
C			3.4	
S	gut		4.7	
S	cb		3.89	
	2+09.07 = Pueblo line			
S			9.1	
S	cb dirt washed in over conc. cb		8.0	
S	Top of end		9.70	
C			8.4	
N			8.3	
	2+54.07			
N			12.4	
C			11.4	
S			11.7	
T.P.	1.34	118.81	12.22	117.47
	2+79.07			
S			1.7	
C			1.4	
N			3.5	
	3+04.07			
N			7.7	
C			2.5	
S			2.9	

		118.81		
	3+29.07			
S			4.5	
C			8.2	
N			16.2	
	+15		21.7	
	+75		27.6	
	3+54.07			
	-20		41.6	
N			26.4	
C			14.0	
S			11.8	
T.P.	0.21	106.43	12.39	106.42
	3+79.07			
S			5.5	
C			9.9	
N			28.1	
	+33 bor. canon		55.3	
	+44		46.1	
	4+04.07			
	-35		50.1	
	-26 bor. canon		56.3	
N			35.2	
C			17.4	
S			11.8	
T.P.	0.04	94.20	12.47	94.16

		94.20			
4+907					
S			7.7		
C			15.4		
N			33.1		
+24 bot CANON			47.1		
+35			37.5		
4+54.07					
-18			42.0		
-8 bot. CANON			50.3		
N			43.3		
C			25.6		
S			14.1		
T.P.	0.22	81.66	12.76	81.44	
T.P.	0.23	68.86	13.03	68.63	
4+79.07 Ely Warrington					
S			0.9		
C			11.3		
N bot CANON			25.4		
+15			18.0		
0+00 W4 Warrington					
N			23.4		
C bot. CANON			30.3		
S			27.0		

		68.86		
T.P.	0.10	56.08	12.88	55.98
T.P.	0.21	43.68	12.41	43.47
0+25				
S			9.9	
C			7.5	
N			2.6	
0+50				
N			5.7	
C			9.9	
S			12.8	
0+75				
S			14.5	
C			12.0	
N			7.5	
1+00				
N			10.7	
C			13.2	
S			17.0	
1+25				
S			19.4	
C			15.0	
N			14.5	
T.P.	045	31.79	12.34	31.34
1+50				
N			6.7	
C			5.5	
S			9.1	

		31.79			
1+75					
S			10.5		
C			8.5		
N			9.5		
2+00					
N			12.1		
C			10.7		
S			13.3		
T.P.	0.52	19.68	12.43	19.16	
2+25					
S			5.0		
C			2.4		
N			4.5		
2+50					
N			9.6		
C			10.1		
S			12.3		
2+75					
S			15.5		
C			16.7		
N			15.2		
T.P.	7.44	14.23	12.89	6.79	

	14.23	
3+00 Ely Workdeck		
N		12.8
C		12.5
S		11.7
0+00 W/y	"	
S		12.7
C		13.2
N		14.2
0+50		
N		13.8
C		12.8
S		12.1
0+75		
S		11.9
C		13.1
N		14.1
1+00		
N		14.3
C		12.0
S		6.6
1+25		
S		0.5
C		7.4
N		12.4

		14.73		
1+50				
N			9.2	
C			0.4	
S			+4.8	
T.P.	12.99	24.70	0.52	13.71
1+75				
S			+2.7	
C			5.8	
N			13.3	
2+00				
N.			4.1	
T.P.	12.98	38.43	1.75	25.45
C			6.6	
S			+3.0	
T.P.	12.55	50.76	0.27	38.21
2+25				
S			+4.8	
C			7.2	
N			15.9	
T.P.	14.66	43.04	0.38	50.38

43.04

2+50				
N				14.8
C				7.8
S				0.9
T.P.	5.63	68.29		0.38 64.66
2+75				
S				3.3
C				6.7
N				10.7
3+00 Fly Wells				
N				7.0
C				4.2
S				2.7
0+00 Mly "				
S				2.8
C.				3.3
N				4.4
0+50				
N				6.5
C				5.3
S				5.3
1+00				
S				10.2
C				9.9
N				9.5

		68.29			
	1+50				
N			14.7		
C			15.2		
S			15.7		
T.P.	0.26	55.44	13.09	55.20	
	1+75				
S			6.5		
C			5.1		
N			5.0		
	2+00				
N			12.8		
C			14.6		
S			17.3		
T.P.	0.03	42.86	12.63	42.83	
	2+25				
S			15.0		
C			14.0		
N			12.1		
T.P.	0.76	30.94	12.68	30.18	

30.94

2+55	
N	14.9
C	14.1
S	17.1
2+75	
S	20.5
C	20.4
N	20.0

3+00 = Pueblo Line E/L of Collier Park

N	23.8
C	24.2
S	23.7

Xsec of Browning 70' wide
Collier Park Ely to Line.
to Estab. grade

30.94 P.4

0+0 = Ely Collier Park

N			13.9
C			8.0
S			3.7
	0+25		
S			7.0
C			10.1
N			13.4
	0+50		
N			12.9
C			10.5
S			8.3
	0+75		
S			7.1
C			9.4
N			11.2
	1+00		
N			8.1
C			8.0
S			5.8
	1+25		
S			3.1
C			3.4

Indexed 30.94
C.S.K.

N			2.0	
T.P.	12.74	43.36	0.32	30.62
	1+50			
N			6.9	
C			7.8	
S			8.9	
	1+75			
S			1.6	
T.P.	13.05	56.06	0.35	43.01
C			11.0	
N			11.7	
	2+00			
N			5.5	
C			5.4	
S			7.9	
	2+25			
S			2.5	
C			2.5	
N			2.9	
T.P.	12.89	68.89	0.06	56.00
	2+50			
N			13.1	
C			12.7	
S			13.3	
	3+00 = Wly Wells			
S			9.3	
C			8.4	
N			8.2	

		68.89			
0+0 Ely Walk					
N			3.8		
C			5.0		
S			5.1		
0+25					
S			2.2		
C			2.7		
N			2.0		
T.P.	8.30	76.69	0.50	68.39	
0+50					
N			5.9		
C			7.2		
S			7.4		
0+75					
S			4.0		
C			4.3		
N			5.3		
1+00					
N			5.8		
C			4.2		
S			3.4		
1+25					
S			3.1		
C			5.2		
N			7.4		

		76.69			
1+55					
N			9.8		
C			7.1		
S			5.0		
1+75					
S			11.7		
C			13.3		
N			19.2		
T.P.	0.37	44.29	12.77	63.92	
2+00					
N			21.8		
C			10.9		
S			7.0		
2+15					
S			12.8		
T.P.	0.45	51.87	12.87	51.42	
2+25					
S			7.4		
C			13.5		
N			21.9		
T.P.	0.68	39.57	12.98	38.89	
2+50					
N			18.7		
C			11.2		
S			7.6		
T.P.	0.18	27.03	12.72	26.85	

		27.03			
	2+75				
S			3.7		
C			7.9		
N			12.9		
	3+00 W/y Worden				
N			18.9		
C			14.6		
S			9.8		
T.P.	545	19.77	12.7	14.32	
	0+00 Ely Worden				
S			10.7		
C			13.0		
N			13.6		
	0+25				
N			12.1		
C			12.5		
S			12.3		
	0+50				
S			12.3		
C			12.6		
N			11.3		
	0+75				
N			9.7		
C			11.6		

		19.77			
S			11.6		
	1+00				
S			11.2		
C			10.1		
N			10.2		
	1+25				
N			6.0		
C			5.5		
S			5.5		
T.P.	13.04	32.63	0.18	19.59	
	1+50				
S			11.4		
C			10.7		
N			14.9		
	1+75				
N			12.6		
C			3.7		
S			2.7		
T.P.	17.49	45.04	0.08	32.55	
	2+00				
S			10.8		
C			13.1		
N			13.0		
	2+25				
N			12.1		
C			14.5		
S			10.5		

		45.04		
2+50				
S			10.5	
C			16.4	
N			19.8	
2+75				
N			18.1	
C			17.1	
S			7.6	
3+00 W'ly Harrington				
S			3.7	
C			13.2	
N			15.4	
0+00 E'ly "				
N			11.2	
C			3.2	
S			+ 7.0	
T.P.	13.04	57.82	0.28	44.76
0+25				
S			0.2	
C			10.2	
N			21.7	
0+50				
− 25 N			19.5	
			17.1	
C			4.4	

		57.82		
S			+ 7.3	
T.P.	13.07	70.68	0.21	57.61
0+75				
S			+ 5.7	
C			4.7	
N			25.1	
+ 17 bot. canon			34.8	
+ 30			24	
1+00				
− 30			24	
− 17 bot. "			32.9	
N			21.0	
C			+ 1.0	
T.P.	12.90	83.21	0.37	70.31
S			+ 3	
T.P.	12.72	95.23	0.72	82.49
1+25				
S			0.8	
C			14.4	
N			43.6	
+ 15 bot. canon			55.2	
+ 35			42.3	
1+65				
− 40			37.5	
− 25 bot			49.5	
N			36.0	

		95.23		
C			16.1	
S			+ 4.8	
	2 + 00			
S			+ 8.3	
C			14.4	
N	bot. canon		45.1	
+ 30			25.1	
	2 + 30			
− 20			19.5	
N			37.5	
+ 5	bot. canon		41.6	
C			17.6	
S			+ 7.2	
	2 + 70 + Pueblo line			
S			+ 8.5	
C			12.5	
+ 22	bot. canon		37.1	
N			28.2	
+ 15			18.1	
T.P.	12.92	108.11	0.04	95.19
T.P.	12.05	120.04	0.12	107.99
T.P.	12.60	132.34	0.28	119.76
T.P.	12.24	144.31	0.29	132.07

144.31

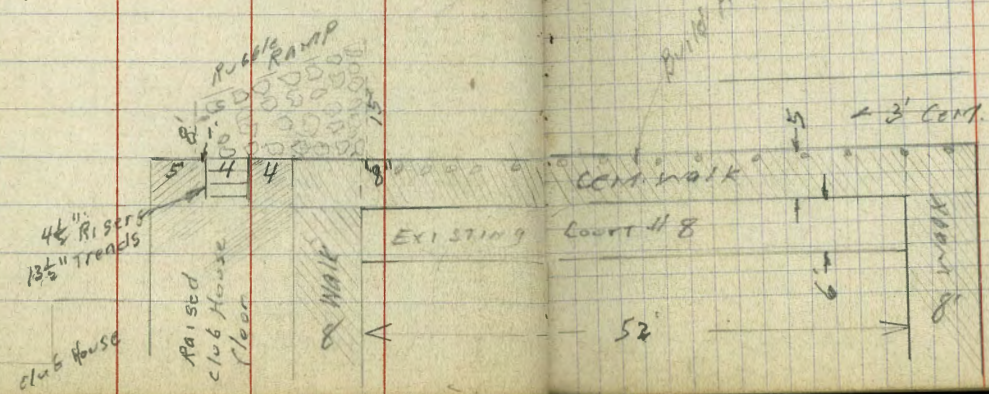
T.P.	11.12	153.81	1.62	142.69
check to Orig. B.M.		3.59	150.22	150.35
				0.13

check + 1 − on Mach.

Xsec for 8 New Shuffle
Bd. Cts. at La Jolla
Swim Cove

Moore
4-18-40.

Courts 6' wide
Cem. Gutters 3' "



INDEXED
EFB

R.P. ⊡ 2x2 Hub 0+80

0+77 N edge 5' walk

0+69 ℄ #16 CT.

0+03 S. edge Prop. #9 CT.

← 3' Cem. Gutter
0+00

0 + 60					
0 + 40					
0 + 25					
0 + 15					
0 + 03	S. edge #9 Ct.				
0 + 00					
T.P.	3.99	27.34	7.50	23.35	
BM. E. ob. at Swim Cove	3.19	30.85		27.66	BM.

Lt. or Wly. Baseline

21.74	22.14	22.64	23.34	
5.6	5.2	4.7	4.0	
80	60	30		
21.94	22.34	22.70	23.34	23.04
5.4	5.0	4.6	4.0	4.3
80	60	30	10	
21.94	21.84	22.74	23.34	
5.4	5.5	4.6	4.0	
80	60	30		
21.94	22.14	23.18	23.64	23.04	23.14	23.94
5.4	5.2	4.6	3.7	4.3	4.2	3.4
80	60	49	12	9	2	
22.98	22.90	23.05	22.79	23.04	23.14	20.30
4.36	4.44	4.29	4.4	4.3	4.2	3.4
77	68	60	59	30	5	
23.05		3.04	4.29	23.05	23.26	23.18
4.29		4.29	4.29	4.29	4.08	4.16
77		68	68	60	8	on cem.

To Prubble walk

Club House floor

27.34

Lt. of W/L

Base Line

0+77 N edge prop 5' walk

0+69 ℄ proposed #16 Ct.

21.74
5.6
80

24.14
5.2
60

23.14
11.5
30

23.40
40

22.64
5.7
80

22.09
5.3
60

23.14
4.5
30

23.40
4.0

27.3 ℄

Moore & McCabe

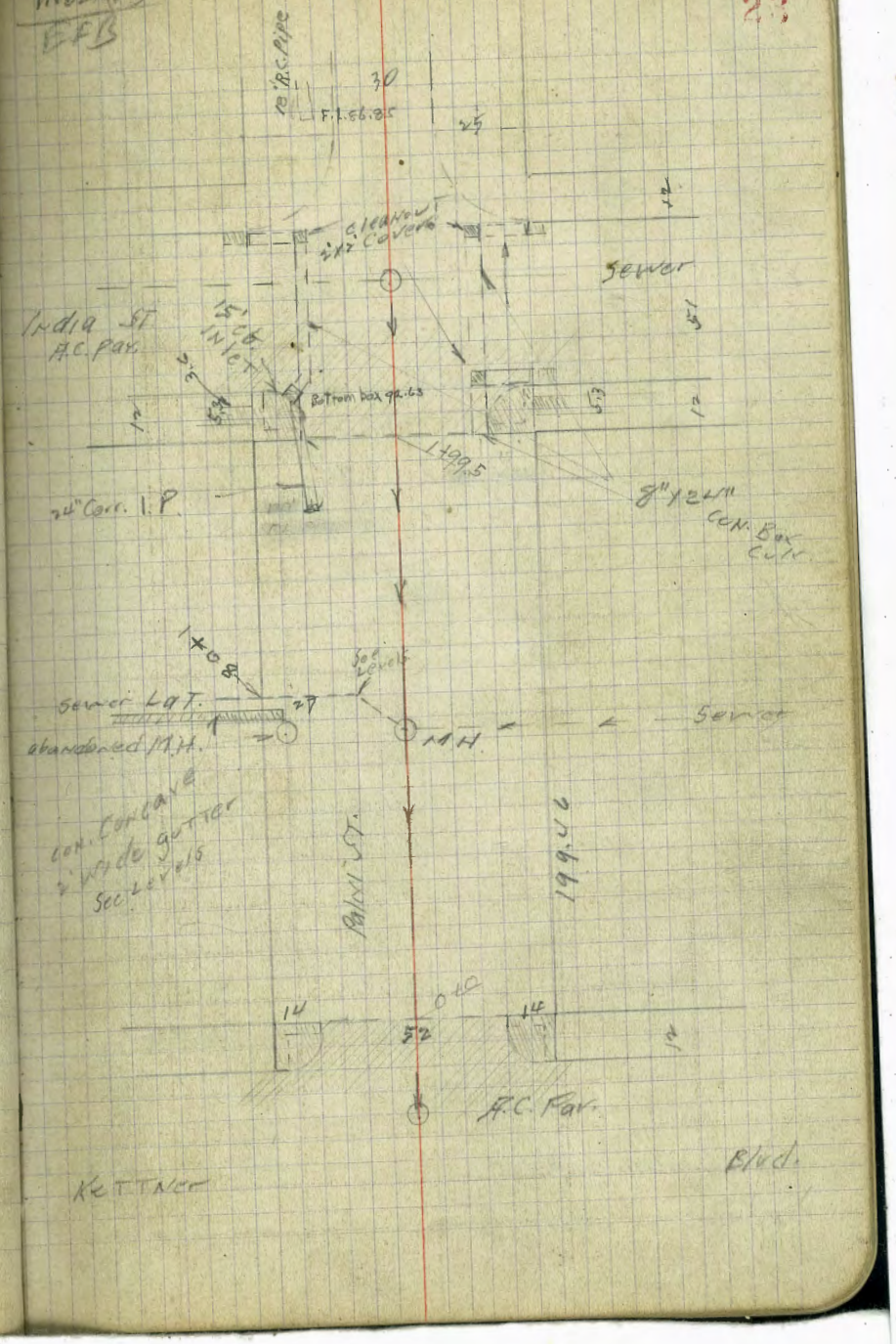
X Sec of Palm St 80' wide
Kettner to India 14' curbs
13' 1/4S

				Palm	
S.E. BM	12.44	69.93'		57.49	Ket.
		0-24.75 E 1/2 Ket.			
S	Pav		12.93	57.00	
C	"		12.47	57.31	
N	"		12.37	57.56	
		0-14 E cb Ket.			
N	cb		11.97	58.01	
"	gut		12.48	57.45	
cb	pav		12.58	57.35	
1/2	"		12.66	57.27	
C	"		12.75	57.18	
1/2	"		12.92	57.01	
gut	"		13.04	56.89	
cb			14.45	57.48	
S	gut.		1317	56.76	
		0-17 = S.M.H.			
RIM			12.44	57.19	
FL			17.29	52.64	
		0+00 E.L Ket.			
S		cor. Ket.	12.22	57.71	
cb			12.09	57.84	
gut	Pav		12.69	57.24	

Reduced and Plotted by H.M. Cole 6/13/40

INDEXED
EFS

23



69.93

1/4	Par		12.21	57.72
c	"		11.94	57.99
1/4	"		11.98	57.95
qu.	"		12.33	57.60
c6			11.57	58.36
N	Cor. Ret.		11.74	58.19
	0+05			
-12			11.5	58.4
-6			9.9	60.0
N			10.3	59.6
c6			11.4	58.5
+12			12.1	57.8
+5			12.1	57.8
+6			11.4	58.5
1/4			10.8	59.1
c			11.3	58.6
1/4			11.7	58.2
+10			11.7	58.2
c6			10.5	59.4
+4			7.1	62.8
S			7.3	62.6
+5			7.1	62.8
	0+07			
S+7	Date point			

69.93

0+75		
-5	3.5	66.4
S	3.4	66.5
+10	3.1	66.8
c6	4.7	63.7
+5	8.5	61.3
1/4	8.4	61.5
c	8.0	61.9
1/4	7.9	62.0
+8	8.3	61.6
+10	9.5	60.4
+12	9.5	60.4
c6	8.1	61.8
N	7.1	62.8
+7	7.1	62.8
+17	11.3	58.6
0+50		
-17	11.1	58.8
-12	10.7	59.2
N	3.7	66.2
c6	4.1	65.8
+1	6.9	63.0
+3	6.9	63.0
+5	4.3	65.6
1/4	3.9	66.0

69.93

C			9.7	66.2
1/4			3.8	66.1
+10			3.6	66.3
cb			2.6	67.3
+5		+	0.5	70.4
S			0.0	69.9
+5			1.2	68.7
T.P.	12.80	82.66	0.07	69.86
	0+63 wedge WK			
S	on Cent walk		11.26	71.40
+2.5	" " " IN ST.		11.33	71.33
	0+77 east edge wk			
S	walk		10.79	72.37
+2.6	" IN ST		10.36	72.30
+7			10.0	72.7
+cb			11.3	71.4
+3			12.2	70.5
1/4			12.1	70.6
C			12.2	70.5
1/4			12.2	70.5
+9			13.1	69.6
+10			16.3	66.4
+12			16.3	66.4

82.66

cb	12.7	70.0
N	11.9	70.8
+3	19.0	63.7
+12	22.7	60.0
+20	23.0	59.7
0+84		
-20	22.6	60.3
-12	21.6	61.3
-3	16.9	65.8
N	10.8	71.9
cb	11.6	71.1
+1	15.9	66.8
+3	16.0	66.7
+5	12.0	70.7
N 1/4	11.2	71.5
0+89 wedge cent walk		
S	7.72	74.94
+2.5 IN ST	7.77	74.89
0+91		
N 1/4	10.2	72.5
+8	10.9	71.8
+9	13.2	69.5
+11	13.2	69.5
+12	10.3	72.4
cb	10.2	72.5
N	9.0	73.7

82.66

N +7		15.6	67.1
+17		17.5	65.2
+20		17.5	65.2
0+95			
−12		15.0	67.7
−7		10.7	62.5
N		5.5	77.2
+13		8.0	74.7
C6		9.4	73.3
+1		11.4	71.3
+3		11.4	71.3
+5		10.0	72.7
N 1/4		9.8	72.9
0+98			
−5		4.7	78.5
N		5.3	77.4
+13		7.8	74.9
C6		9.2	73.5
+1		11.2	71.5
+3		11.2	71.5
+5		9.7	73.0
1/4		9.3	73.4
C		8.8	73.9
1/4		9.0	73.7
+12		8.8	73.9

82.66

C6	8.4	74.3
+3	7.8	74.9
+11.5 E edge walk	7.76	74.90
S ON CON. 11	7.67	75.04
0+99		
S +17 P.P.		
C M.H. RIM	8.99	73.67
" " FL to So.	17.47	65.24
" " " of Lot	17.74	64.92 from N.
1+05		
N FL	4.44	78.42
14.5 end gutter	4.71	77.95
1+08		
Δ Scribe Lot Top 4" P.P.	10.36	72.30
1+25		
−4 Top Conc. walk	+0.10	82.76 S. Cor. of 13 Stucco Bdy
−4 FL outlet 6" drain	0.63	82.03
−4	1.4	81.3
N	2.5	80.2
+13	6.0	76.7
C6	6.6	76.1
+1	7.1	75.6
+10	7.5	75.2
1/4	6.6	76.1
+7	5.5	77.2

		82.66		
c			5.5	77.2
1/4			4.4	78.3
cb			3.3	79.4
S			2.2	80.5
+5			1.9	80.8
T.P.	12.91	95.42	0.15	82.51
	1+42			
-5			11.8	83.6
S			12.1	83.3
cb			12.9	82.5
1/4			17.7	77.7
c			18.1	77.3
1/4			18.1	77.3
+2			18.1	77.3
+3			19.7	75.7
+5			19.7	75.7
+6			17.7	77.7
cb			17.5	77.9
N			13.4	82.0
+4			12.4	83.0
+4	S edge con Drive		10.03	85.39
+4	Top curb		9.64	85.78

95.42

1+67		
-3.7 W. Cor Stucco Bldg.		
-4.2 Con. Drive E edge	7.34	88.08
-3.7 Top 6" curb Bumper	5.89	89.53
-3.7	10.1	85.3
N	10.0	85.4
+7	13.0	82.4
cb	13.4	82.0
+5	13.6	81.8
+6	17.2	78.2
+11	17.2	78.2
1/4	12.7	82.7
c	12.6	82.8
1/4	13.1	82.3
cb	10.3	85.1
S	8.4	87.0
+5	7.3	88.1
1+70		
N +13.7 F.L. outlet	14.64	80.78 2' Corr. I.P.
1+78		
-5	5.5	89.9
S	6.2	89.2
cb	7.9	87.5
+5	9.8	85.6
1/4	6.4	89.0

95.42

c		6.4	89.0	
1/4		9.0	86.4	
c6		10.1	85.3	
N		7.8	87.6	
+3.7	against Stucco Bldg.	7.8	87.6	on ground
T.P.	10.48	10.04	7.82	92.56

1+97

-3.7 against a fence	4.9	98.1	
N	5.2	97.8	
c6	5.9	97.1	
1/4	5.4	97.6	
c	5.2	97.8	
1/4	5.0	98.0	
+9 ~ +10 c6 = 6.8	5.6	97.4	
c6 +1.5 P.P.		96.2	
S	5.4	97.6	
+5	5.7	97.3	

1+99.44 W/ Indiq ST

S Top Cor. Ret	4.69	98.35	
c6	5.28	97.76	
90T par.	5.41	97.63	
+1 F.L. of 8"x24" "outlet	6.82	96.22	
1/2 par	5.33	97.71	
c "	5.51	97.53	
1/4 "	5.76	97.28	

103.04

90T Par	4.14	96.90
c6	5.43	97.61
N Top Ret	5.23	97.81
center 15' c6 inlet		
Top curb	5.48	97.64
" grate	6.44	96.60
Bot. Box	10.41	92.63
F.L. of drains from across ST.	8.65	94.39
W/ c6 Indiq		
-5 c6	5.21	97.83
-5 90T	5.72	97.32
W/ c6.	5.36	97.68
N 90T	5.88	97.16
c6 Par.	5.90	97.14
1/4 "	5.44	97.60
c "	5.27	97.77
1/4 "	5.14	97.90
c6 "	5.24	97.78
" Top cleanout Cover	5.31	97.73
" FL. 8"x24" Box	6.51	96.53
S Top curb	4.98	98.06
S FL. Inlet 8"x24" "	6.04	97.00
+5 90T	5	98.0
+5 Top curb	4.95	98.09

10304

W 4 India = 1/4 = 12.75

S Par.	4.41	98.63	
c6 "	4.70	98.34	
1/4 "	4.92	98.12	
C "	4.95	98.09	
1/4 "	5.09	97.95	
c6 "	5.08	97.96	
N "	4.96	98.08	
E India 57			
N Par.	4.42	98.62	
c6	4.48	98.56	
1/4	4.49	98.55	
C	4.34	98.68	
1/4	4.25	98.79	
c6	4.03	99.01	
S	3.82	99.22	
NEBP Palm d India	3.83	99.21	99.30
			0.09

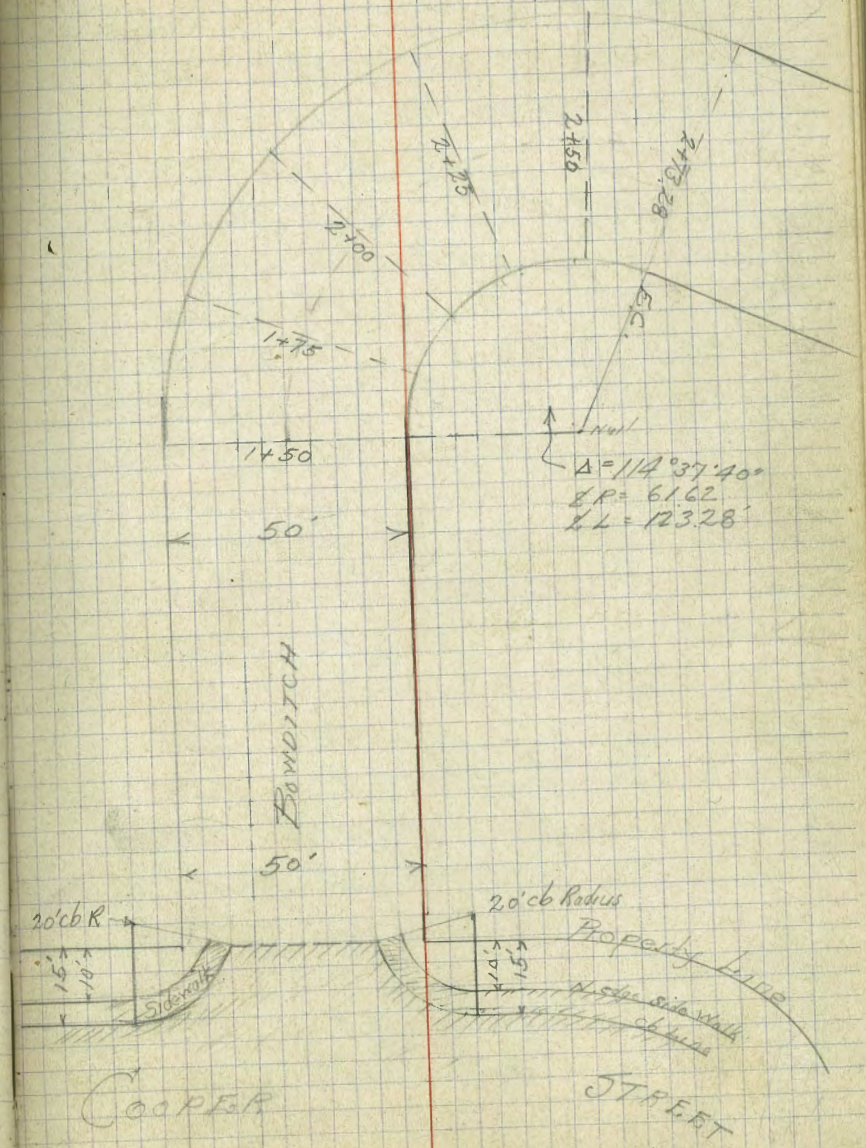
Walter Bliss
Isbell
Sept. 18-1940

Cross Section
Bowditch Street 50' Wide 10' cbs 7.5' 1/4s
Between Cooper and Nile Streets.

	2.89	302.27		299.38	N.E. BP Cooper & Boundary 12' C.T. Cooper
T.P.	2.09	298.85	5.51	296.76	N.L. Bowditch
	0 - 15' = N. cb. Cooper st.				
W-10' = cb B.C. Ret. on cb			1.76	297.09	
" " " " " Pav.			2.21	296.64	
W on Pav.			2.62	296.23	
cb " "			3.13	295.72	
1/4 " "			3.49	295.36	
℄ " "			3.80	295.05	
1/4 " "			4.14	294.71	
cb. " "			4.45	294.40	
E " "			4.83	294.02	
+10 " " at B.C. Ret.			5.19	293.66	
+10 on cb " " "			4.65	294.20	
	0+00 = N.L. Cooper				
E. 10			4.5	294.3	
E.			4.1	294.7	
+ 4' on Walk.			3.95	294.90	
+9 " cb.			4.02	294.83	
+9 " Gut. Paving.			4.50	294.35	
cb. on Pav.			4.47	294.38	
1/4 " "			4.13	294.72	
℄ " "			3.85	295.00	
1/4 " "			3.60	295.25	

Mad'r Plot on New Profile 9-19-40 C.B.H.

INDEXED
EFB



298.85

W. cb. Line on Paving.	3.60	295.25
" +1 on Gut of cb.	3.57	295.28
" +1 " top cb.	2.93	295.92
" +6 on W edge Side Walk.	2.77	296.08
W	2.2	296.6
0+06		
W-10	1.1	297.7
W	1.4	297.4
cb.	1.8	297.0
⅛	2.5	296.3
℄	2.6	296.2
¼	3.0	295.8
cb	3.2	295.6
E	3.6	295.2
+15'	4.7	294.1
0+35		
E-15'	5.5	293.3
E	4.1	294.7
cb.	4.2	294.6
¼	4.1	294.7
℄	3.9	294.9
¼	3.5	295.3
cb.	3.5	295.3
W	2.8	296.0
+10	2.1	296.7

298.85

0+70

W-10'	3.4	295.4
W	4.3	294.5
cb.	5.2	293.6
¼	4.9	293.9
℄	5.5	293.3
¼	5.5	293.3
cb.	5.9	292.9
E	6.3	292.5
+20	8.6	290.2
1+00		
E-25'	11.7	287.1
E	9.4	289.4
cb	8.8	290.0
⅛	8.1	290.7
℄	7.3	291.5
¼	6.3	292.5
cb.	6.4	292.4
W	5.7	293.1
+10	4.8	294.0

All Sections in Curve are Radial
1+50 = B.C. 87 & R - 61.62

W-10	7.1	291.7
W	8.0	290.8
cb.	9.1	289.7
¼	9.8	289.0
℄	10.6	288.2

		298.85		
E. 1/4			11.3	287.5
cb.			12.2	286.6
E			12.1	286.7
+20			15.0	283.8
TP	4.43	290.65	12.63	286.22
	1+75 = ℄ Stations in Curve.			
E. - 36.62' = R			11.3	279.3
E.			6.2	284.4
cb.			5.1	285.5
1/4			4.8	285.8
℄			4.4	286.2
1/4			4.1	286.5
cb.			3.7	286.9
W			3.3	287.3
+ 15'			2.4	288.2
	2+00			
W-20			7.5	283.1
W			7.1	283.5
cb.			7.6	283.0
1/4			7.8	282.8
℄			8.0	282.6
1/4			8.1	282.5
cb.			8.5	282.1
E.			9.6	281.0
+36.62 = R			11.3	279.3

	290.65		
T.P. 1.63	279.48	12.80	277.85
	2+25		
E.		1.4	278.1
cb.		2.3	277.2
1/4		2.5	277.0
℄		2.8	276.7
1/4		3.1	276.4
cb.		3.10	276.5
W		3.6	275.9
+25		4.2	275.3
	2+50		
W-		26.8	252.7
W		16.0	263.5
cb.		13.5	266.0
1/4		12.1	267.4
℄		11.3	268.2
1/4		10.3	269.2
cb.		7.9	271.6
E. = Rt. = South		5.4	274.1
	2+73.28 = E.O.	Please Check ℄ Length	
E.		9.6	269.9
cb.		12.7	266.8
1/4		15.3	264.2
℄		17.6	261.9

Bowditch P1.
X-Section.

		279.48		
4a			19.4	260.1
ab			24.2	255.3
W-North-Lt.			28.6	250.9
+30			40.3	239.2
TP	12 33	290.21	1.60	277.88
TP	12.58	302.46	0 33	289.88
Chk. NE BP. Boundary Cooper.			3.06	299.40

299.38 = BM.
.02 Error.

Walker
Bliss
Isbell
Sept. 18-40

CROSS SECTION ALLEY

Block 33 - Fairmount Add.

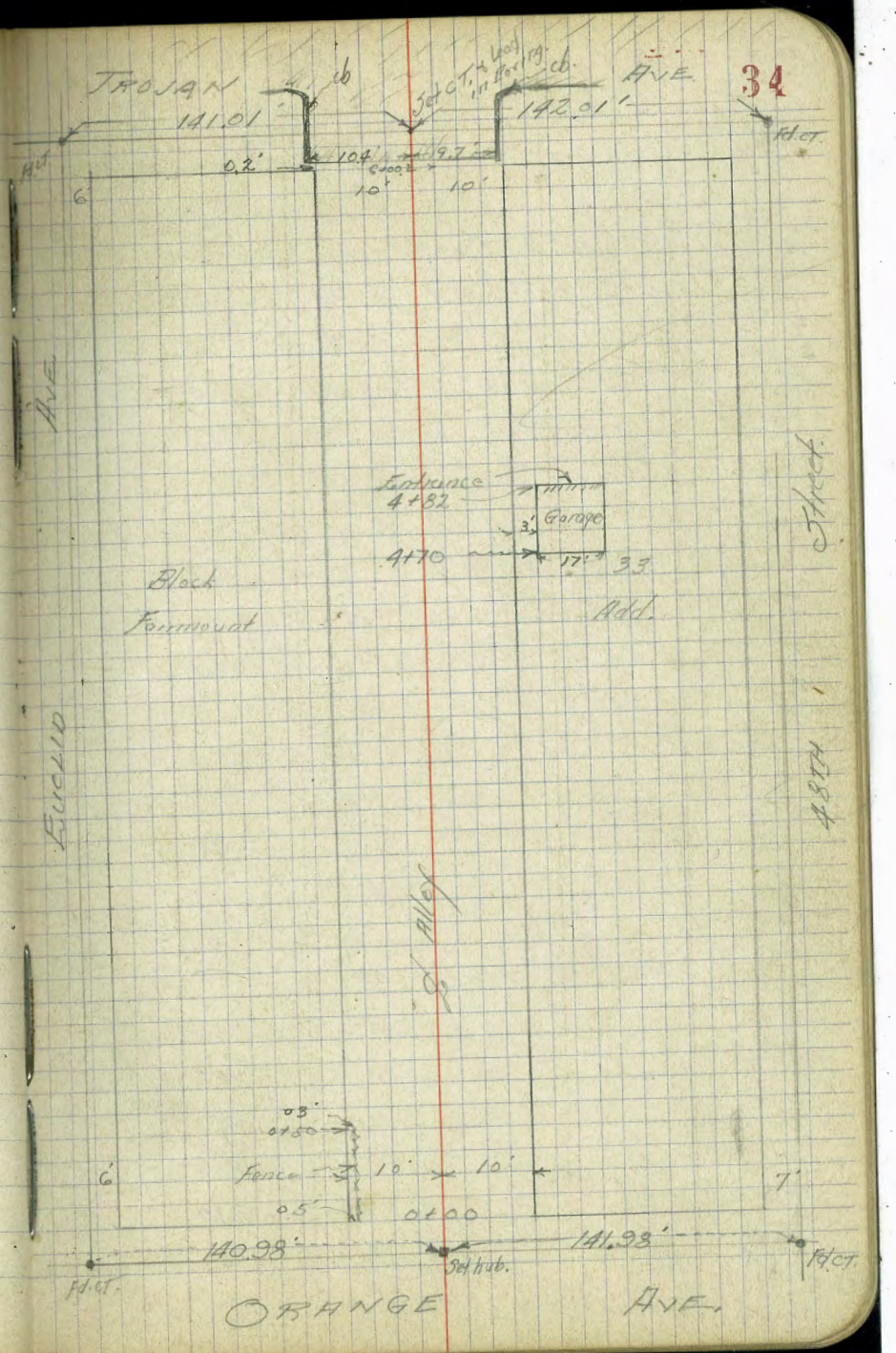
INDEXED
EFB

Between Euclid & 48th

From Orange to Trojan Ave.

	1.69	352.38		350.69	NW BP. Orange + Euclid.
	0 - 15 = N.cb. Orange				
W - 135' on Pos. E.L. Euclid.			3.49	348.89	
E + 135 " " ~~W.L. Orange~~ 48th St			9.27	343.11	
	0+00 = N.L. Orange Ave				
-5			5.4	347.0	
W			5.5	346.9	
+1			6.2	346.2	
+4			6.9	345.5	
℄			7.0	345.4	
E			7.0	345.4	
+5'			6.9	345.5	
T.P.	6.15	351.80	6.73	345.65	
	0+25				
E - 4' at house			5.8	346.0	
E			5.9	345.9	
℄			5.8	346.0	
+4			5.3	346.5	
+9.4 at Fence			5.1	346.7	
W			5.1	346.7	
+5			5.0	346.8	+
	0+50				
-5'			4.7	347.1	+
W			4.9	346.9	

Notes Red. & Plot. on Profile #
9-20-40 C.B.H.



351.80

℄		5.5	346.3
E.		5.3	346.5
+5'		5.6	346.2 +

0+50 = Beginning Fence on E. 0.1 in Alley. (A) ✓

0+59 = ℄ Garage on W Conc. Floor

W-2'		4.45	347.35 ✓

0+69 = Tel Pole on W. West edge 0.6 in Alley.

0+70 = Beginning Fence on W 0.2 in Alley (D) ✓

0+90 = Deadman on W 1.2' in Alley.

0+92 = " " " 1.2 " "

1+00 = End Fence (A) on E. 0.2 in Alley. ✓

1+00 = Beginning Fence (B) on E. 0.5' in Alley.

1+00 = End Fence on West (D) 0.1 in Alley ✓

1+00

-5'		5.0	346.8 +
E.		4.9	346.9
℄		4.9	346.9
W		4.6	347.2
+5		4.5	347.3 +

1+50 = End Fence (B) on E. 0.5' in Alley ✓

-10		4.4	347.4 +
W		4.3	347.5
+5'		4.1	347.7
℄		4.2	347.6
E.		4.7	347.1
+5		4.9	346.9 +

351.80

1+65

E-50'		5.0	346.8 +
E.		4.6	347.2
℄		4.2	347.6
W		4.3	347.5 ↓
+25		4.3	347.5 ↓

2+00 = Tel Pole on W 0.7' in Alley = W edge

-60		5.2	346.6 ↓
W		4.2	347.6
℄		4.4	347.4
E.		4.5	347.3
+15'		4.4	347.4 ↓

2+02.5 = Beginning Garage on W 1.0' in Alley

2+07.5 = ℄ Garage on West Concrete Floor: (Entrance = 347.7) 347.79 ✓

" " " on Floor = 4.01

2+15 = North end Garage on W 1.0' in Alley.

2+15 = Beginning Wire Fence on W 1.0' in Alley. (E) ✓

2+34.5 = end " " " " 1.4' " " (E) ✓

2+34.5 = Beginning Shed on W 1.4' in Alley. ✓

2+50.5 = End " " " 1.2 " " ✓

2+50.5 = Beginning Fence on W 1.2' in Alley. (F) ✓

2+70.5 = End " " " 1.0' in Alley. (F) ✓

2+50 = Beginning Fence on East 0.4' Back (G) ✓

3+00 = End " " " 0.1' Back (G) ✓

Alley Blk. 33
Fairmount Add.

		351.80		
	2+30			
E-15'			3.9	347.9
E			4.4	347.4
℄			4.3	347.5
+6			3.9	347.9
W			4.4	347.4
+10			4.5	347.3
	2+55			
-10'			4.5	347.3
W			4.3	347.5
+5			4.3	347.5
℄			4.6	347.2
+5'			4.7	347.1
E			4.5	347.3
+5			4.2	347.6
TP	3.23	350.81	4.22	347.58
	3+00			
-5			3.0	347.8
E			3.2	347.6
℄			3.6	347.2
W			4.0	346.8
+60'			5.0	345.8
3+37=℄ Tel Pole on West			0.5' in Alley = W. edge	
	3+50			
-40			5.4	345.4

Alley Blk. 33
Fairmount Add.

350.81

W	4.8	346.0
℄	4.2	346.6
E	3.9	346.9
+5	3.7	347.1

3+00 = Beginning Fence on East 0.1' Back } (H)
3+50 = End " " " 0.1' Back

3+50 = Beginning Fence on East 0.1' Back (I)
3+74 = ℄ in Fence " " 0.1' Back (I)
3+84 = End Fence " " 2.6' Back (I)

3+89 = ℄ Garage on E Conc. Floor

E-0.5 = Toe Conc. Apron	4.24	346.57
(?) E+2.0' = Garage Floor.	4.19	346.62

4+00 = Beginning Fence on E 0.4 in Alley (J)

-5'	4.4	346.4
E	4.1	346.7
℄	4.3	346.5
W	4.3	346.5
+25' W	5.2	345.6
+80 W	6.1	344.7

4+34 = End Fence on E 0.2' in Alley (J)
4+36 = ℄ Concrete Walk on E 0.3' in Alley
" on Walk. 4.97 345.84
4+42.5 = ℄ Garage on E 1.9' Back
E on Conc. Apron 5.10 345.71 Apron Broken
(?) E+1.9' on Conc. Floor. 4.90 345.91

Alley Block 33
Fairmount Add.

		350.81		
	4+50			
-95'		6.7	344.1	+
-60'		5.8	345.0	+
W		5.6	345.2	
℄		5.4	345.4	
E		5.2	345.6	
+5		5.2	345.6	+
	4+48 = Beginning Fence on E. 2' Back. (R)			✓
	4+70 = End " " " 2.7' (R)			✓
	4+70 = Tel. Pole on W. 0.8 in Alley = W edge			✓
	4+82 = Garage on E, North entrance			
E+3'	" " Floor	5.40	345.41	on N entrance ✓
T.P.	3.40	347.94 ✓	6.27	344.54
	4+89 = ℄ Dble. Garage on E. Conc. Floor.			
E.-46.7	on Conc. Floor	3.40	344.54	✓
	4+80			
-3' of	Garage	2.8	345.1	
E		3.1	344.8	
+5		2.8	345.1	
℄		3.1	344.8	
W		3.5	344.4	
+15		3.5	344.4	+
	5+00			
-70		4.0	343.9	+
W		4.1	343.8	

347.94

℄		4.2	343.7
E		4.1	343.8
E+3		4.0	343.9 +
E+6	"	5.0	342.9 +
E+50		6.2	341.7 +
E+145' on Mcb. 484		7.25	340.69 +
	5+02 = South edge Dble Garage on West.		
W-1.8 = on toe Conc. Apron.		3.82	344.12 ✓
W-5.5" Garage Floor.		3.19	344.75 ✓
	5+20 = N edge Dble. Garage on W		
W-1.7' toe Conc. Apron		4.04	343.90 ✓
W-5.5' on Garage Floor		3.22	344.72 ✓
	5+25		
-25'		6.5	341.4 +
E		5.0	342.9
+6		5.4	342.5
℄		5.2	342.7
+4		4.6	343.3
W		4.3	343.6
+20		3.7	344.2
	5+35 = ℄ Dble Garage on E. 0.3' in Alley		
E+0.3 on dirt Floor.		5.4	342.5 ✓
	5+40 = South end 8" Conc. Ret. Wall on E 0.5' in Alley		
on Ret Wall		5.22	342.72 ✓
	5+50		

347.94 Alley Block 33 Fairmount Add.

	5+50		
-20'		4.0	343.9
W		5.4	342.5
℄		5.6	342.3
+9.7 at Wall		5.4	342.5
+9.70' on top Conc. Wall		5.24	342.70
E.		7.0	340.9
+10		7.0	340.9
	5+75		
-10		5.6	342.3
E-0.17' on Ground		5.7	342.2
E-0.17' " Conc. Ret. Wall		5.33	342.61
E+0.5 " Wedge " "		5.33	343.61
E+0.5 " Ground at Wall		5.7	342.2
℄		5.6	342.3
W		5.7	342.2
+10		5.8	342.1
	6+00 ℄ = 0.2' North of Stone Trojan = South edge Paving		
W-0.4' on cb.		5.36	342.58
" -0.4 " Gut Paving		5.63	342.31
℄		5.92	342.02
+9.7' on Gutt at cb.		5.67	342.27
+9.7' " top cb.		5.41	342.53
	South cb Trojan		
E top cb Return Alley		5.52	342.42
" Gut on Pav		6.05	340.89

347.94

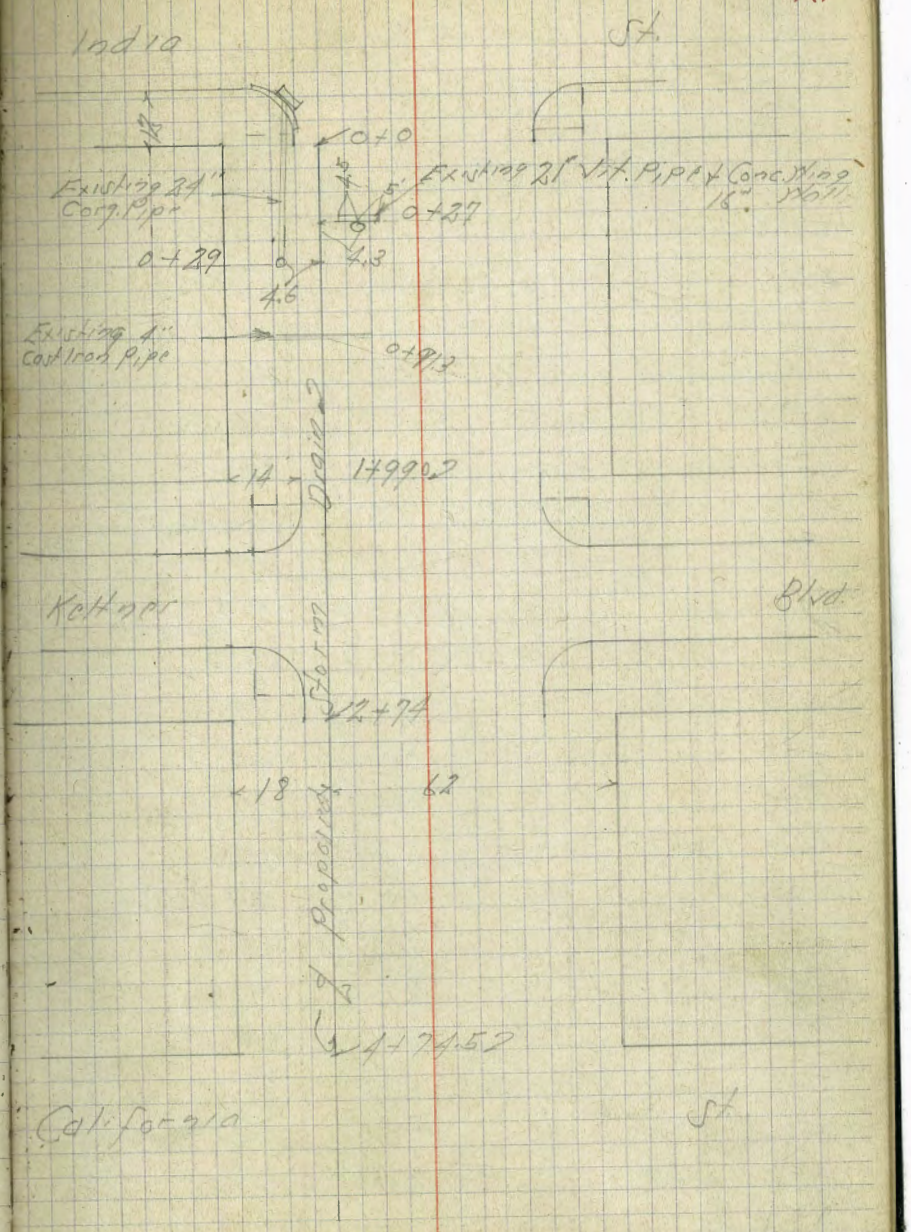
℄ on Pav.	6.04	341.90
W " "	5.97	341.97
W " cb. Return Alley	5.38	342.56
T.P. 6.94 352.98	2.80	345.14
Chk. Nail & B.B. Euclid & Orange	1.38	350.70

350.69 - BM
0.91 = Error.

Palm St Proposed Storm Drain
India St to California St.

Oct. 30-40
Sisson
Northern
W. Moore

BM	2.41	101.71 ~~101.95~~		99.30 ~~99.54~~	N.E. B.P. Palm & India
0+0 =	W.L. India on Paving		4.68	94.62	
+2			4.1	95.2	
+6			5.3	94.0	
+12			10.1	89.2	
+21			16.4	82.9	
TP	0.40	90.08 ~~90.32~~	12.03	89.68 ~~89.92~~	
+24			6.5	83.6	
+29			9.9	80.2	
+29	4.6 N = Outlet 24" Corg Pipe Flow Line		9.20	80.88	
+27	4.3 S = Outlet 21" Vit. Pipe Flow Line		12.28	77.80	
Top of 16" Conc Wing Wall			8.73	81.35	
+34			7.6	82.5	
+34	5' So		11.9	78.2	
+50			11.3	78.8	
TP	1.23	79.20 ~~79.44~~	12.11	77.97 ~~78.21~~	
+75			3.6	75.6	
+91.3 =	Existing 4" C.I. Pipe Top		6.01	73.19	
+96	Bot. Wash		7.5	71.7	
+96	4' S		5.7	73.5	
+96	4' N		4.5	74.7	
1+25			9.8	69.4	
1+25	2' N		12.7	66.5	
1+25	4' N		9.8	69.4	



		79.20			
		~~79.44~~		66.73	
TP	0.23	~~67.20~~ 66.96	12.47	~~66.99~~	
1+50			1.8	65.2	
1+50 4' N.			4.8	62.2	
1+50 4' N			1.1	65.9	
1+75 = Bot Wash			7.4	59.6	
1+75 3' S			5.3	61.7	
1+75 4' N			5.2	61.8	
1+91 = Bot Wash			10.2	56.8	
1+990 = Elk Horn on Pav			9.12	57.84	
2+36.75 = ℄ SDE Inc Dotrock on paving			9.46	57.50	
2+74.0 = W ℄ Kelham on Pav.			10.67	56.29	
3+0			12.8	53.8	
		55.34		54.58	
TP	0.76	~~55.58~~	12.38	~~54.82~~	
3+25			6.0	49.3	
3+50			10.3	45.0	
3+75			12.8	41.5	
		43.25		43.05	
TP	0.20	~~43.49~~	12.29	~~43.29~~	
4+0			5.7	37.6	
4+25			9.6	33.7	
4+50			11.9	31.4	
4+746 = E.L. Calif			14.3	29.0	
4+978 = ℄ Santa Fe top Rail			15.28	27.97	
BM			10.96	32.29 ~~32.53~~	SE Hail Pole Palmer Colo 32.30

Levels on Federal Blvd. Sub.

Miller NWBP	10.97	169.77		158.85	Market 45th
T.P.	10.94	175.15	7.56	162.21	
T.P.	12.96	186.99	1.12	174.03	
T.P.	17.99	196.49	3.49	183.50	
T.P.	3.00	199.44	0.05	196.44	
T.P.	8.73	196.43	11.74	187.70	
T.P.	13.09	208.79	0.73	195.70	
T.P.	11.16	219.55	0.40	208.39	
T.P.	10.83	229.69	0.69	218.86	
T.P.	7.87	235.10	2.41	227.28	
Ld. + C.T. E	Federal Blvd + 47th St.		7.05	228.05	
SW Cor T.P. Iron Pin Federal & 47th			5.20	229.90	

Moore
Osborne
Svelmoe
Brand

8-20-41.

Fed. Blvd Sub.

Ex. Line checked O.K

Levels on Fed. Blvd 47th to 49th

Baseline = N.L. of Sub.

						LT		BL	RT	
2 + 60						230.89 / 4.71 / 22		231.3 / 4.3	230.9 / 4.7 / 22.5	230.8 / 4.8 / 4.5
2 + 20						230.54 / 5.06 / 22		230.9 / 4.7	231.0 / 4.6 / 22.5	231.0 / 4.6 / 4.5
1 + 80						230.21 / 5.39 / 22		230.3 / 5.3	230.5 / 5.1 / 22.5	230.9 / 4.7 / 4.5
1 + 40						229.81 / 5.79 / 22		229.9 / 5.7	230.1 / 5.5 / 22.5	230.5 / 5.1 / 4.5
1 + 00						229.38 / 6.22 / 22		229.5 / 6.1	229.9 / 5.7 / 22.5	230.3 / 5.3 / 4.5
0 + 85						229.20 / 6.40 / 22		229.4 / 6.2	229.7 / 5.9 / 22.5	230.0 / 5.6 / 4.5
0 + 0 E.L. 47th = 30' E of ℄ 47th						228.30 / 7.30 / 22		228.3 / 7.3	228.7 / 6.9 / 22.5	228.9 / 6.7 / 4.5
℄ Ld. CT	7.55	235.60		228.05	47th Federal			235.60		

Con. So. edge Pav. Fed Blvd.

Levels on Fed. Blvd.

48th East to Pueblo Line
6' sdw. has not been graded

Station	Note	LT	B.L.		RT
5+00		231.04 4.56 / 22	229.5 6.1	229.2 6.4 / 12	229.2 6.4 / 24
4+70	E L 48th	231.12 4.48 / 22	229.8 5.8	229.6 6.0 / 12	229.4 6.2 / 24 = C6 Line on oil gut
4+45		231.17 4.43 / 22	230.0 5.6	229.5 6.1 / 22.5	229.1 6.5 / 45
4+20	W L 48th St	231.24 4.36 / 22	230.1 5.5	229.7 5.9 / 22.5	229.3 6.3 / 46
4		231.23 4.37 / 22	230.2 5.4	229.8 5.8 / 22.5	229.8 5.8 / 45
3+50		231.30 4.30 / 22	230.7 4.9	230.1 5.5 / 22.5	230.3 5.3 / 45
3+20		231.26 4.34 / 22	230.7 4.9	230.5 5.1 / 22.5	230.7 4.9 / 45
2+90		231.14 4.46 / 22	230.9 4.7	230.8 4.8 / 22.5	230.7 4.9 / 45

So. edge Conc. Pav. Fed. Blvd

235.60

235.60

Levels on Fed. Blvd

9+00				
8+50				
8+00				
7+50				
7+00				
TP	x 35	x 32.44	6.51	x 29.09
6+50				
6+00				
5+50				
		x 35.40		

Levels on Fed. Blvd

12 + 94.96	= EL 506	
12 + 45		
11 + 95		
11 + 75	EL 497.4	
11 + 45	" 497.4	
10 + 75	" 497.4	57
10 + 50		
10 + 00		
9 + 50		
		31.44

Levels on 49th
Fed. to Lyon

Center Curve to Lyon

2 + 20					
2 + 00					
1 + 60					
T.P.	4.86	217.68	12.72	212.82	
1 + 20					
1 + 00					
0 + 50					
E.C. = 0 + 00 = 20' S of S.L. Fed. Blvd.					
T.P. Top F.H. SE Cor	0.09	225.54	5.99	225.45	Fed. & 49th
		231.44			

LT: 208.1 / 9.6 / 209.3 / 8.4 / 210.1 / 7.4 / 212.1 / 5.6 / 214.4 / 11.1 / 215.7 / 9.8 / 219.6 / 6.1 / 222.7 / 2.4

℄: 208.5 / 9.2 / 209.3 / 8.4 / 210.0 / 7.7 / 211.9 / 5.8 / 217.68 / 214.0 / 11.1 / 215.9 / 9.6 / 219.5 / 6.0 / 222.9 / 2.6 / 225.54

RT = West: 209.1 / 8.6 / 209.2 / 8.2 / 210.0 / 7.7 / 212.2 / 5.6 / 214.3 / 11.2 / 215.7 / 9.8 / 219.2 / 6.3 / 223.2 / 2.3

Levels on Lyon
49th to 48th

2+55 = E.L. Duval

Note!
Duval not graded

2+05

1+65

1+45

1+25

T.P. 9.17 226.32 0.53 217.15

0+85 P.V.C.

0+42.5

0+0 = E.C. 20' W of W.L. of 49th St.

217.68

LT

221.6
4.7
25

220.8
5.5
25

220.3
6.0
25

219.9
6.4
25

219.3
7.3
25

217.1
0.6
25

213.1
4.6
25

210.0
7.7
25

℄

221.2
5.1

220.7
5.6

220.2
6.1

219.8
6.5

219.0
7.3

226.32

216.7
1.0

213.3
4.4

210.5
7.2

217.68

RT = North

221.2
4.9
25

220.5
5.8
25

220.7
5.6
25

220.2
6.1
25

218.8
7.5
25

216.0
1.7
25

213.2
4.5
25

210.2
7.5
25

Levels on Lyon

Part # 3 = E.C.

Part # 2

Part # 1

5 + 09.92 P.C. Curve in 3 equal parts

4 + 50

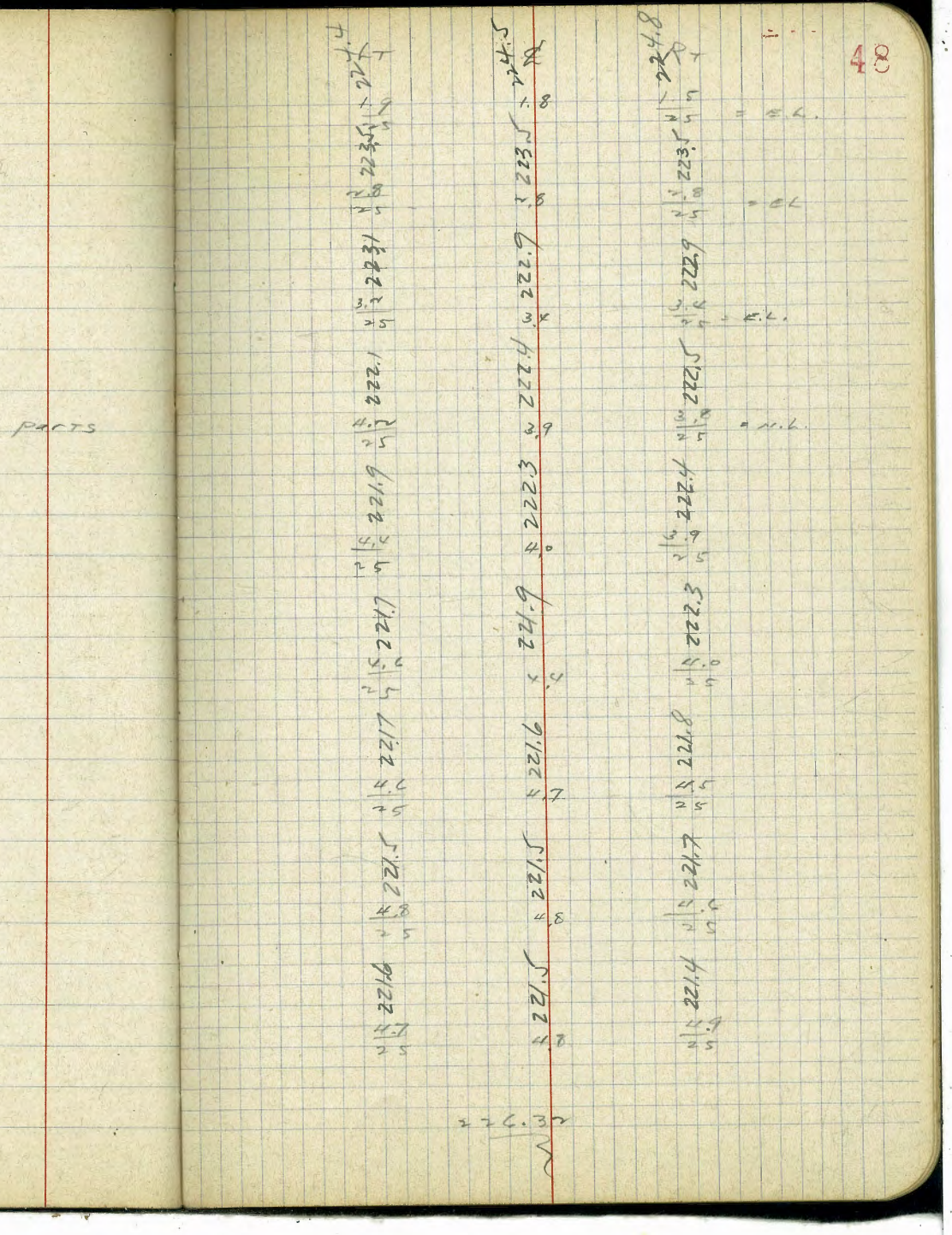
4 + 00

3 + 50

3 + 25

3 + 05 W. L. Duval

226.32



Levels on 48th St.
Lyon to Fed. Blvd.

check to iron pin P. 40. (T.P.)			2.72	229.92	229.90
1+64.92 = P.C. 20' S of S L Fed. Blvd.					
1+50					
1+00					
0+50					
0+0 = E.C. at Lyon					
T.P.	10.06	232.64	3.74	222.58	
		226.32			

Station	LT.	℄	RT - EC.
	229.2	229.0	229.3
1+64.92	3.4 / 25	3.6	3.3 / 25
	228.6	228.4	228.7
1+50	4.0 / 25	4.2	3.9 / 25
	227.5	227.2	227.6
1+00	5.1 / 25	5.4	5.0 / 25
	225.9	225.5	225.9
0+50	6.7 / 25	7.1	6.7 / 25
T.P.		232.64	

Levels on 30' alley
Beg. at Fed. Blvd.

Station	LT	℄	RT = [illegible]
0 + 50	227.3 / 5.3	226.9 / 5.7	227.5 / 5.1
2+00 = E.C. Curve	227.5 / 5.[illegible]	227.3 / 5.3	227.7 / 4.9
Center Curve	227.7 / 4.9	227.7 / 4.9	227.7 / 4.9
1+90 B.C.	227.8 / 4.8	227.8 / 4.8	227.9 / 4.7
1 + 50	228.2 / 4.4	228.1 / 4.5	228.2 / 4.2
1 + 00	229.2 / 3.4	229.0 / 3.6	229.2 / 3.4
0 + 50	229.6 / 3.0	229.6 / 3.0	230.5 / 2.1
0+00 P.C. S of Fed. Blvd.	230.2 / 2.4	230.1 / 2.5	230.5 / 2.1

232.64

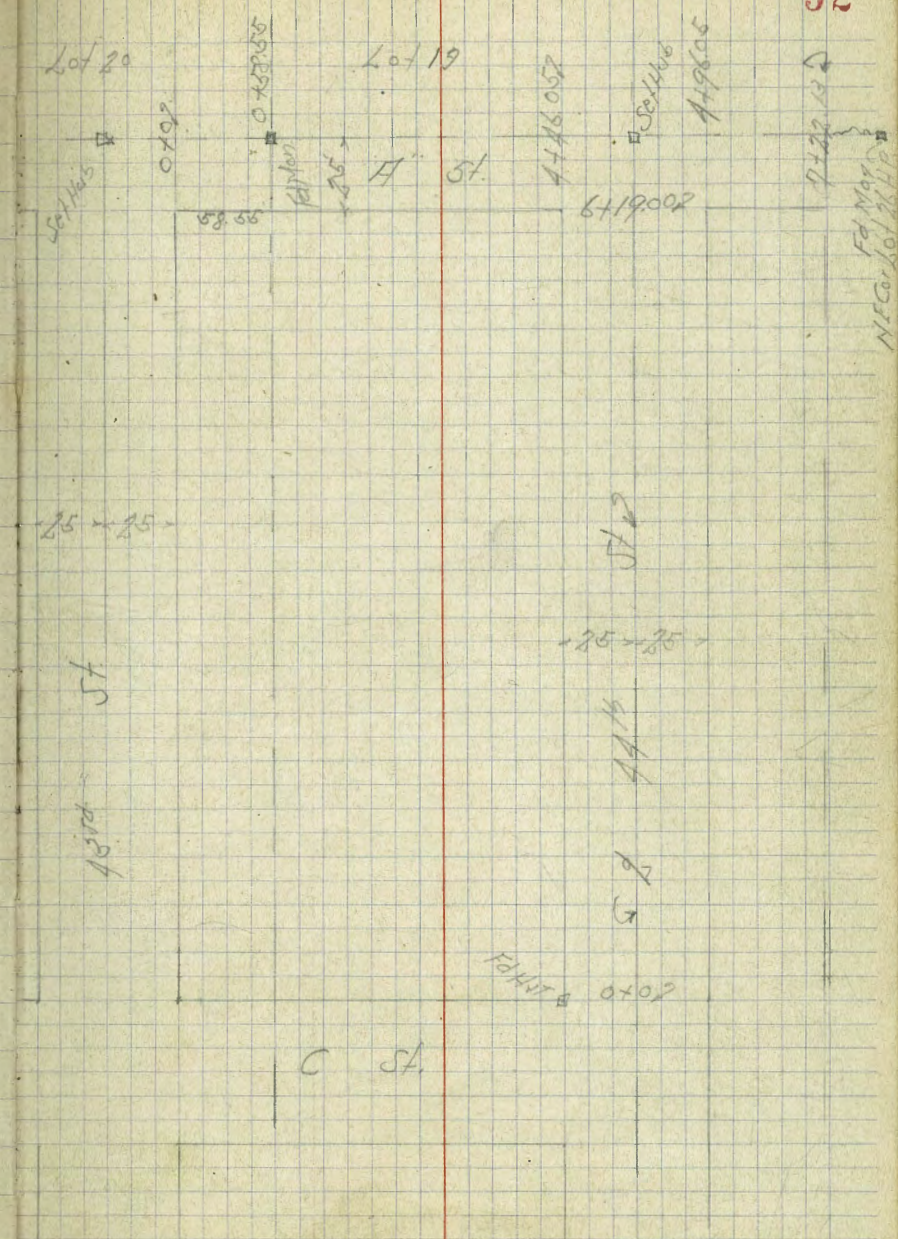
232.64

	E. edge Pav. on 47th				
2+40	E.L. 47th				
2+00					
T.P.	3.37	231.50	4.51	228.13	
1+50					
1+00					
		232.64			

Lt	℄	Rt
5.84 / 15 = Pav 225.66		5.24 / 15 = Pav 226.26
5.5 / 15 226.1	5.8 226.2	5.0 / 15 226.5
5.0 / 15 226.5	5.3 226.7	4.7 / 15 226.8
5.9 / 15 226.7	231.50 4.1 226.5	5.5 / 15 227.1
5.7 / 15 226.9	6.0 226.6	5.3 / 15 227.3
	232.64	

Cross Section 44th St.
C St to A St. And
A St 43rd to 44th St

Oct. 7. 41
Sisson
Hortsern
H Moore



Cross Section 44th St
C St to A St

2+50					
2+0					
1+94	17.5 Rt of ℄ = Ely Power Pole				
TP	4.74	197.76	1.10	193.02	
1+50					
1+0					
0+78	17.3 Lt of ℄ = Wly Tel Pole				
0+50					
0+0 = N.L. C St.					
BM	7.80	194.12		186.32	N.W. Prop Hub C St + 44th St FB # 598 Page 55

Red. 10-10-41 (W.)

Lt. W ℄ Rt. E

191.1	192.2	193.9	193.7	193.8	194.1	195.0	195.5	
6.7 / 3.5	5.6 / 2.5	3.9 / 10	4.1 / 6	4.0	3.7 / 10	2.8 / 15	2.3 / 25	
191.1	191.8	193.0	192.7	193.1	193.3	193.8	194.1	
6.7 / 3.5	6.0 / 2.5	4.8 / 11	5.1 / 7	4.7	4.5 / 10	4.0 / 12	3.7 / 25	
				197.76				
190.6	191.3	191.7	191.6	191.9	192.0	192.2	192.4	
3.5 / 3.5	2.9 / 2.5	2.4 / 10	2.5 / 7	2.2	2.1 / 10	1.9 / 12	1.7 / 25	
190.2	190.3	190.9	190.5	190.8	190.7	190.9	190.8	
3.9 / 3.5	3.8 / 2.5	3.2 / 10	3.6 / 8	3.3	3.4 / 10	3.2 / 12	3.3 / 25	
188.9	188.9	189.1	188.7	189.2	189.0	189.7	189.6	
5.2 / 3.5	5.2 / 2.5	5.0 / 12	5.4 / 10	4.9	5.1 / 11	4.4 / 15	4.5 / 25	
		186.3	186.2	186.3	186.7	188.2		
		7.8 / 2.5	7.9 / 10	7.8	7.4 / 10	5.9 / 2.5		
				194.12				

							Lt			℄		Rt	
4+75					182.5	183.0	183.4	184.6	184.9	185.3	186.0		
					5.0 / 35	4.5 / 25	4.1 / 15	2.9 / 8	2.6	2.2 / 10	1.5 / 25		
TP	1.95	187.48	12.23	185.53					187.48				
4+50					183.7	184.6	185.3	186.6	186.5	187.3	187.7	188.1	
					14.1 / 35	13.2 / 25	12.5 / 15	11.2 / 5	11.3	10.5 / 10	10.1 / 18	9.7 / 25	
4+48	16.8 Rt of ℄ = Ely Power Pole												
4+25					185.8	186.9	187.5	189.0	188.8	190.0	190.8	191.1	
					12.0 / 35	10.9 / 25	10.3 / 15	8.8 / 6	9.0	7.8 / 12	7.0 / 18	6.7 / 25	
4+0					187.5	188.4	189.2	190.7	190.4	192.1	192.8		
					10.3 / 35	9.4 / 25	8.6 / 15	7.1 / 4	7.4	5.7 / 15	5.0 / 25		
3+50						189.6	190.5	191.6	192.3	192.9	194.5		
						8.2 / 35	7.3 / 25	6.2 / 10	5.5	4.9 / 8	3.3 / 25		
3+0						190.6	191.6	193.2	193.4	194.0	195.3	196.0	
						7.2 / 35	6.2 / 25	4.6 / 10	4.4	3.8 / 10	2.5 / 18	1.8 / 25	
2+78	17.6 Lt of ℄ = Ely Tel Pole												
		197.76							197.76				

TP	0.19	163.99	11.82	163.80
TP	0.38	175.62	12.24	175.24
6+19.00 : S.L.A St.				
6+17	17.3 Rt o/℄: Ely Power Pole			
6+0				
5+85				
5+50				
5+0				
		18748		

Lt. ℄ Rt

175.7 11.8/25	175.7 11.8/20	175.1 12.4/15	175.8 11.7/5	175.7 11.8	175.0 12.5/10	174.3 13.2/25		
178.7 8.8/25	179.0 8.5/25	179.2 8.3/17	177.8 9.7/8	177.9 9.6	178.6 8.9/6	177.8 9.7/15	177.9 9.6/25	177.9 9.6/35
179.4 8.1/25	179.8 7.7/25	179.8 7.7/15	179.3 8.2/7	180.0 7.5	180.4 7.1/5	180.0 7.5/15	179.7 7.8/25	179.8 7.8/35
179.8 7.7/35	180.3 7.2/25	181.0 6.5/10	181.6 5.9	182.2 5.3/10	182.3 5.2/25	182.4 5.1/35		
181.9 5.6/25	182.5 5.0/25	182.9 4.6/15	183.7 3.8/10	183.9 3.6	184.4 3.1/10	184.7 2.8/25		

18748

Cross Section A St.
43rd St to 44th St

1+05					
0+90					
TP	3.62	157.70	9.91	154.08	
0+50					
0+0 = E.L. 43rd St					
BM			4.17	159.82	on ℄ Hub A St + 43rd St
0-25 = ℄					
0-50 = W.L. 43rd St.					
		163.99 Bt Ford			

Lt = H ℄ Rt = S

144.1	146.0	148.6	151.1	152.8	153.5	153.4	154.7	155.2
13.6	11.7	9.1	6.6	4.9	4.2	4.3	3.0	2.5
45 = Bot Wash	30 = Bot Wash	25	15		6	16	25	35
149.1	150.8	151.3	152.7	154.1	153.9	154.9	156.3	
8.6	6.9	5.4	5.0	3.6	3.8	2.8	1.4	
40	25	15		6	16	20	25	
			157.70					
152.3	152.8	154.0	155.3	155.8	155.8	157.0	157.6	
11.7	11.2	10.0	8.7	8.2	8.2	7.0	6.4	
40	25	10		5	16	20	25	
153.6	156.0	157.8	158.7	159.2	159.3	160.5	161.0	
10.4	8.0	6.2	5.3	4.8	4.7	3.5	3.0	
40	25	10		3	14	17	25	
154.0	155.9	158	159.7	159.8	160.3	161.4		
10.0	8.1	6.0	4.3	4.2	3.7	2.6		
40	25	10	3		10	25		
154.0	157.0	157.9	159.3	159.5	159.3	159.6		
10.0	7.0	6.1	4.7	4.5	4.7	4.4		
40	25	15	5		10	25		
				163.99				

						Lt										Rt		
2+15						155.4		156.3		156.9		158.4		159.2		159.0	159.0	159.9	160.1
						13.0 / 40		12.1 / 25		11.5 / 15		10.0 / 5		9.2		9.4 / 3	9.4 / 12	8.5 / 16	8.3 / 25
1+90							155.3		158.1		158.9		158.5		157.7		157.5	158.5	158.9
							13.1 / 40		10.3 / 25		9.5 / 10		9.9		10.7 / 3		10.9 / 12	9.9 / 16	9.5 / 25
TP	11.75	168.36	1.09	156.61									168.36						
1+65							153.4		155.2		155.6		155.5		155.0		155.1	156.5	156.5	156.6
							4.3 / 35		2.5 / 25		2.1 / 10		2.2		2.7 / 5		2.6 / 14	1.2 / 18	1.2 / 25	1.1 / 35
1+50							152.4		153.4		153.7		153.3		153.8		153.9	153.5	153.5	153.8
							5.3 / 35		4.3 / 25		4.0 / 10		4.4		3.9 / 5		3.8 / 15	4.2 / 20	4.2 / 25	3.9 / 35
1+25						151.0		151.6		151.4		149.7		149.7		152.2		153.1	153.1	153.9	154.9
						6.7 / 40		6.1 / 25		6.3 / 20		8.0 / 11		8.0 / 7		5.5		4.6 / 6	4.6 / 17	3.8 / 25	2.8 / 35
1+15						150.1	150.5		150.0		147.9		149.6		152.6		153.1	153.2	154.1	155.5
						7.6 / 40	7.2 / 25		7.7 / 20		9.8 / 15	8.0 / 10.5	8.1 / 10		5.1		4.6 / 6	4.5 / 15	3.6 / 25	2.2 / 35
		157.70													157.70					

A St							Lt.			℄		Rt.		
3+75						166.5		167.7	169.6	170.5	171.5	171.9	173.3	173.7
						12.5		11.3	9.4	8.5	7.5	7.1	5.7	5.3
						40		25	15		5	14	19	25
3+50					162.9		164.3		166.0	168.7	169.4	169.4	170.8	171.4
					16.1		14.7		13.0	10.3	9.6	9.6	8.2	7.6
					40		25		15		4	14	19	25
3+25					163.0		163.5		163.7	165.8	166.7	166.6	168.0	168.7
					16.0		15.5		15.3	13.2	12.3	12.4	11.0	10.3
					40		25		15		3	14	20	25
										179.00				
TP	11.43	179.00	0.79	167.57										
3+0						161.0		161.6	163.5	164.1	164.9	164.4	166.1	
						7.4		6.8	4.9	4.3	3.5	4.0	2.3	
						40		25	10		5	15	25	
2+75							158.1	159.6	161.4	162.2	162.4	162.8	164.3	
							10.3	8.8	7.0	6.2	6.0	5.6	4.1	
							40	25	10		3	12	25	
2+50					158.2		158.7	160.1	160.2	160.8	161.2	161.1	162.6	163.4
					10.2		9.7	8.3	8.2	7.6	7.2	7.3	5.8	5.0
					40		15	15	5		3	13	18	25
										168.36				
		168.36												

TP 5+10	11.71	190.57	0.14	178.86	
4+96.05 = E.L 44th St					
4+85		℄ - N.Y. Anchor Pole			
4+71.05 = ℄ 44th St					
BM			6.23	172.79	03 ℄ Hob 45th + 44th St
4+46.05 = W.L 44th St.					
4+25					
4+0					
		179.00			

178.3 / 0.7 / 4+0 / 174.0 / 5.0 / 10 / 167.7 / 11.2 / 30 / 166.4 / 11.4 / 15 / 167.0 / 12.0 / 10 / 166.4 / 12.6 / 10

172.5 / 2.5 / 25 / 172.7 / 5.5 / 25 / 166.0 / 13.0 / 10 / 166.0 / 10.5 / 25 / 169.2 / 9.8 / 25 / 168.7 / 10.2 / 25

174.4 / 4.6 / 15 / 171.5 / 7.5 / 20 / 167.4 / 11.6 / 25 / 168.5 / 10.6 / 25 / 169.2 / 9.8 / 25 / 168.7 / 10.2 / 25

172.9 / 5.1 / 5 / 170.2 / 8.8 / 14 / 170.3 / 8.7 / 10 / 172.5 / 6.6 / 10 / 170.8 / 8.7 / 15 / 170.0 / 9.0 / 15

174.1 / 1.9 / 5 / 173.5 / 5.5 / 5 / 172.8 / 6.2 / 5 / 173.5 / 5.5 / 5 / 173.3 / 6.7 / 5 / 172.1 / 6.9 / 5

174.7 / 1.3 / 10 / 174.6 / 1.4 / 10 / 174.1 / 1.9 / 8 / 174.2 / 4.8 / 55 / 174.0 / 5.0 / 15 / 173.6 / 5.4 / 15 / 172.7 / 6.3 / 5 / 173.2 / 5.8 / 11

174.1 / 1.9 / 25 / 174.1 / 1.6 / 25 / 174.1 / 1.6 / 25 / 174.2 / 4.8 / 55 / 175.3 / 3.7 / 18 / 174.9 / 4.1 / 18 / 174.4 / 4.6 / 18 / 175.1 / 3.9 / 25

177.2 / 1.8 / 55 / 175.8 / 3.2 / 55 / 175.8 / 3.2 / 55 / 175.8 / 3.2 / 55 / 175.5 / 3.5 / 55 / 175.5 / 3.5 / 55 / 175.1 / 3.9 / 55

179.00

A St.														
7+22.13							195.2 3.3 35	Lt 194.2 4.3 25	194.4 4.1 10	Lt 194.9 3.6	194.9 3.6 10	Rt 194.2 4.3 25	193.9 4.6 35	
7+0						192.0 6.5 35	192.5 6.0 25	193.0 5.5 15	192.7 5.8 5	194.0 4.5	194.4 4.1 15	193.5 5.0 25	193.1 5.4 35	
TP	8.43	198.47	0.53	190.04						198.47				
6+50							188.6 2.0 35	189.2 1.4 25	189.6 1.0 10	190.0 0.6	190.0 0.6 15	189.9 0.7 25	189.8 0.8 35	
6+0							187.0 3.6 35	185.6 5.0 25	186.0 4.6 15	185.9 4.7	186.4 4.2 15	186.4 4.2 25	186.1 4.5 35	
5+65							184.1 6.5 40	182.6 8.0 25	193.4 7.2 10	182.6 8.0	182.1 8.5 10	182.0 8.6 25	181.1 9.5 40	
5+35						181.1 9.5 35	179.7 10.9 30	180.4 10.2 25	181.1 9.5 16	178.3 12.3	176.6 14.0 12	175.8 14.8 25	177.2 13.4 40	
		190.57								190.57				

Rad. 10-10-41 (W.)

BM			6.23	190.51	N W Spk Floo. Pole C St + 43rd St 190.51
TP	3.03	196.74	3.62	193.71	
BM			10.99	186.34	N W Prop Hu C St + 44th St 186.32
TP	0.90	197.33	2.04	196.43	
		198.47			

Cross Section 54th St
Market St to Naranja St
Levels Next Page

Oct 8-41
Sisson
Northern
H Moore

						Lt = E	℄	Rt = W
1+32.56						11.27 15 119.82	11.13 119.96	11.38 15 119.71
1+07.56						10.16 15 120.93	10.04 121.05	10.23 15 120.76
0+82.56 = P.V.C.						8.47 15 122.62	8.32 122.77	8.54 15 122.55
0+50						5.86 15 125.23	5.72 125.37	5.85 15 125.24
0+0 = S.L. Market St.						1.88 15 = E Edge Paving 129.21	1.64 129.45	1.83 15 = W Edge Paving 129.26
BM	10.04	131.09		121.05	SWBP S St + 154th SW Cb of Bridge			

54th St

		Lt	℄	Rt
2+90	= N.L. Paving = S.L. S.D.+A. RR Right of Way	11.03 15 140.06	10.98 140.11	11.17 50 119.94
2+80	= ℄ S.D.+E. RR Track	9.80 100 = Top Rail 121.29	10.46 50 = Top Rail 140.63	10.90 15 Top Rail 140.19
		11.09 Top Rail 140.00	11.26 15 = Top Rail 119.83	11.58 50 = Top Rail 119.51
		12.10 100 = Top Rail 118.99		
2+70	= N.L. S.D.+A.E. RR Right of Way Sly Paving	11.06 15 140.03	10.88 140.41	11.08 140.01
2+40	= N.L. S St From	11.41 15 119.68	11.18 119.91	11.48 15 119.61
1+82.56	= E.V.C	11.90 15 119.19	11.80 119.29	12.00 15 119.09
1+57.56		11.84 15 = E Edge 119.25	11.72 119.37	11.99 15 = W Edge 119.10

	Lt	Σ	Rt
5+07.56 = F.V.C	5.22 15 125.87	5.00 126.09	5.21 15 125.88
4+82.56	6.94 15 124.15	6.74 124.35	6.96 15 124.13
4+57.56	8.31 15 122.78	8.18 122.91	8.36 15 122.73
4+32.56	9.21 15 121.88	9.05 122.04	9.23 15 121.86
4+07.56 P.V.C	9.63 15 = E Edge Pa 121.46	9.47 121.62	9.63 15 = W Edge Pa 121.46
3+30 = S.L. S St. From East	10.14 15 = Cb 120.95	10.78 15 = Gutter 120.31	10.58 120.51	10.77 15 = Gutter 120.32	10.14 15 = Cb 120.95
3+10 = S.L. Alley From W	10.36 15 = Cb 120.73	11.00 15 = Gutter 120.09	10.84 120.25	10.97 15 = Gutter 120.12	10.33 15 = Cb 120.76

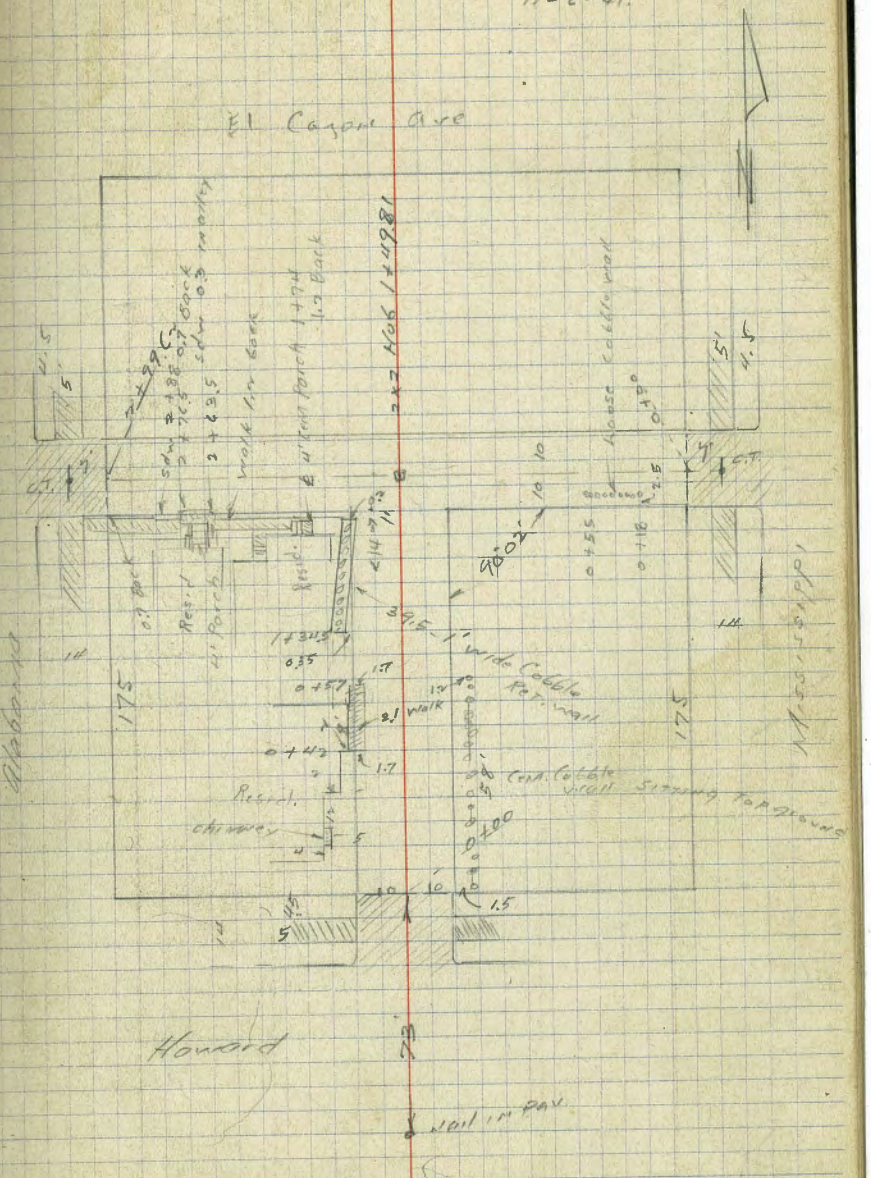
Indexed
LM

Reduced & Plotted 11-10-41
C.B.K.

Macro
Ford
Svd Mar
11-6-41.

Y Sec of alleys 20' wide
Blk 128 U.H.

NE'l Ct	3.77	3+2.93	319.16	Howard Mkr.
E & W alley				
0+14 w ck Mkr.				
S Pav		4.63	318.30	
C "		4.13	318.40	✓
N "		4.40	318.53	✓
0+00 = W.L. Mkr.				
W ck		3.65	319.28	✓
N Pav		4.03	318.90	✓
C "		4.37	318.56	✓
S "		4.43	318.70	✓
S ck		3.85	319.08	✓
0+18.				
S Lawn		4.3	318.6	
+ 7		4.6	318.3	
+ 3		5.1	317.8	
C		5.4	317.5	
+ 7		5.7	317.7	
N		4.3	318.6	
0+55				
N		6.4	316.5	
+ 7		7.3	315.6	



3.22.93

C		7.6	315.3
+7		7.4	315.5
+8		6.8	316.1
S		6.5	316.4

+1.2 Beg. Lath fence ✓

0+69

S +0.3 12" PP ✓

S −0.8 ∠ Lath fence

0+75

S		7.8	315.1
+3		8.8	314.1
C		9.1	313.8
+8		8.9	314.0
N		7.9	315.0

+0.7 Beg. wire fence ✓

0+82

S −2.6 End lath fence + N end Con Ret wall ✓

N −0.7 " wire " ✓

0+92

N −4.8	℄ 18' do gar.	9.6	313.3 ✓ dirt floor Level
N		10.0	312.9
C		10.7	312.2
S		10.1	312.8
+4		10.2	312.7 ✓

3.22.93

1+02

N −1.2 Beg. wire fence ✓

T.P.	1.32	311.~~48~~ 49	12.76	310.17 ~~310.16~~

1+08

−5	1.2	310.3

S −0.5 beg. Picket fence ✓

S	1.3	310.2
C	1.4	310.1
N	1.4	310.1
+5	1.5	310.0

1+32

N −1.3 end wire fence ✓

1+39

S −0.5 Cor. Picket fence ✓

1+39.81 = EL alley to So. ✓

N −19 ℄ Sin. gar.	2.4	309.1 dirt floor
N	3.2	308.3
C	3.3	308.2
S	3.2	308.3

1+49.81 = ℄ alley to So.

S	3.8	307.7
C	3.86	✓ 307.6 ? on 2x2 Hub
+2.5 ℄ 5 MH Rim ✓	3.8	307.7
N	3.6	307.9

311.~~48~~ .49

1+51			
N		3.7	307.8
N-4	Cor. 2' cem walk	3.05	308.44 ✓
N-4	ground	3.4	308.1
1+59.81	wl alley to So.		
N-4	cor S. edge 2' walk	3.56	307.93 ✓
N		3.8	307.7
C		4.2	307.3
S		4.4	307.1
+1 = N. end 1' cobble wall		2.49	309.00 Top ✓
"	" "	4.3	307.2 ground ✓
"	" "	5.2	306.3 Base
1+66			
S		4.9	306.6
C		4.7	306.8
N		3.8	307.7
+4	E. edge con apron	3.94	307.55 ✓
+6.6	" do gar.	3.83	307.66 cem fl. ✓
1+74			
S-1.2	ground	5.4	306.1
" "	℄ Top 4' Con. porch	4.14	307.35 ✓
1+77			
S-1.2	ground	5.5	306.0 ✓
" "	N. edge 2' con walk	5.37	306.12 parallel with alley ✓

311.~~48~~ .49

1+94		
N-6.6 wl do. gar	3.93	307.56 cem ✓
N-4 cr apron	4.56	306.93 " ✓
N	5.1	306.4
C	6.2	305.3
S	6.5	305.0
+1.2 N. edge cem walk	6.40	305.09 ✓
2+00		
S-1.2 N. edge walk	6.82	304.67 ✓
S	6.8	304.7
C	6.5	305.0
N	6.4	305.1
+5	6.4	305.1 ✗
2+11		
S+0.6 12" P.P. ✓		
2+15		
S-2.2 Eh. do. gar.	8.33	303.16 cem fl. ✓
S-1.2 N edge cem walk	7.86	303.63 ✓
S	7.6	303.9
C	7.3	304.2
N	7.2	304.3
+10	7.1	304.4 +
2+28		
N-5.8 ℄ Sin. gar	6.45	305.04 cem fl. ✓
N ground	7.5	304.0

.49
311.48

2+30		
S-1.2 N edge 2' cem walk	7.97	303 52 ✓
S-2.2 W.L. dor gar.	8.38	303.11 cem. ✓
2+31		
N-2.8 E. cor 2' cem walk	6.83	304 66 parallel alley ✓
N	7.6	303 9
+5	8.2	303 3
C	7.9	303.6
S	8.1	303.4
+1.2 N edge 2' walk	8.01	303 48 ✓
2+48		
S-1.2 N edge 2' "	8.48	303 01 ✓
S	8.6	302 9
+2	9.1	302.4
C	8.8	302.7
+8	8.9	302.6
N	8.4	303.1
+2.8 S. edge 2' cem. walk	7.36	304 13 ✓
2+63.5		
N-2.8 S edge 2' walk	7.85	303 64
N-0.4 ℄ 2' cem "	8.33	303.16 west end above walk
N	9.0	302.5
+2	9.6	301.9
C	9.7	301.8
+8	9.5	302.0
+9.7 ground	9.3	302 2
S on cem walk Beg. 0.3 in alley	9.00	302.49 ✓

.49
311.48

2+75		
N-1.6 Beg. Picket fence ✓		
2+76.5		
S W end walk	9.68	301.81 ✓ on in alley
2+80		
S-1.2 N edge walk	10.02	301.47 ✓
S	10.2	301.3
+3	10.7	300.8
C	10.6	300.9
+8	10.4	301.1
N	9.8	301.7
2+88		
S-0.7 N L cem. walk	10.55	300.94 ✓
2+93		
S-0.7 W L "	10.66	300.83 ✓
2+94		
N-1.7 end Picket fence ✓		
2+99.62 - E.L. alabama		
N cb	11.35	300.14 ✓
N Pav	11.62	299.87 ✓
C "	12.19	299.30 ✓
S "	12.15	299.34 ✓
S cb	12.05	299.44 ✓
E cb line alabama in west E.L.		
S Pav	12.97	298.52 ✓

		311.~~48~~ .49			
E cb ala. gutter					
N pav.			12.31	299.18 ✓	
T.P.	1.35	300.~~96~~ 97	11.87	299.~~61~~ .62	
check to BM. ala. & Howard	7' C.T. SW Cor.		10.86	290.~~10~~ .11	290.18
					0.08
Xsec of N & S alley					
2x2 Hub See p. 67	4.27	311.89 ✓ 90		307.62 ✓ 3	
0+0 – 1x N cb Howard					
W pav.			8.49	303.40 ✓	
E "			6.85	305.04 ✓	
0+00 N.L. Howard					
E cb			5.82	306.07 ✓	
E pav			6.18	305.71 ✓	
C "			7.26	304.63 ✓	
+5 "			7.62	304.27	
W "			7.51	304.38 ✓	
W			7.45	304.44 ✓	

Beg. Cobble wall, Cem plaster E – 1.5

first 5' " has been undermined ✓ by rain.

Base of wall = Top ground

✓ 311.89

0+20		
W Lawn	6.5	305.4
+2	6.7	305.2
C	6.5	305.4
E	5.6	306.3
+1.5 ground & Base wall	3.6	308.3 ✓
" Top Cobble wall	2.8	309.1 ✓
0+42		
–1.5 Top wall	2.7	309.2 ✓
–1.5 ground, Base	2.4	309.5
E	4.6	307.3
+2	5.3	306.6
C	5.9	306.0
+8.3 = Send Cem walk	6.02	305.87 ✓
W " "	5.95	305.94 ✓
0+42.7		
W + 1.7 F.L. drain	6.05	305.84 ✓ on Cem. walk
0+50		305.93 ✓
W – 0.5 = N end 8' porch	5.96	Beg. Lath fence 0.5 back
W	5.96	305.93
+1.7 edge walk	5.91	305.98
C	5.6	306.3
E	4.9	307.0
0+57		
W + 1.7 N. end walk	5.76	306.13 ✓

31.89

	0+58			
E – 1.7	N. end	Cobble wall	2.49	309.40 ✓
"	Base	"	3.6	308.3 ✓
E. L.	ground		4.4	307.5 ✓
E – 1.0	beg. Earth fence		✓	
	0+73			
E – 0.1	12" P.P.			
E – 1.3	end Earth fence.		✓	
	0+87			
W – 0.7	end Earth fence.		✓	
	0+88			
E – 5.6	E Cem apron		+ 1.90	313.79 ✓
E – 4.7	E. Sin gar.		+ 3.30	315.19 ✓ Cem. fl.
E – 5			3.8	308.1
E			3.8	308.1
+ 2			4.7	307.2
C			4.9	307.0
W			5.1	306.8
+ 3.7	E Sin gar.		5.10	306.79 ✓ " "
	0+96			
W – 5			5.6	306.3 ✓
W – 1			5.5	306.4
W – 0.3	beg. wire fence		2" Bd. Bulkhead under fence	✓
W – 0.3	Top 2" Bd. Bulk head		Wire	307.69 ✓

31.89

W		4.8	307.1
C		4.7	307.2
+ 2		4.5	307.4
E		4.0	307.9
	1+25		
E – 1.0		3.1	308.8
E – 0.9	beg. Picket fence	with loose Cobble Ret. wall on line	✓
E		3.7	308.2
C		4.0	307.9
W		3.9	308.0
+ 0.35	Top 2" Bd. wall	4.3	307.6 ✓ fence ✓
"	"	6.1	305.8
+ 1.0		6.9	305.0 ✓
	1+32		
E	S.M.H. R.M.	3.7	308.2 ✓
	1+34.5		
– 1.0		6.3	305.6 ✓ fence
– 1	Base ✓ Beg. of 1.0	6.0	305.9 Plastered Cobble wall ✓
– 0.35	Top Cobble wall	3.08	308.81 ✓ end of wood wall
W	ground	3.5	308.4
C		3.8	308.1
+ 6		3.7	308.2
E		3.3	308.6
+ 0.9	Top Loose Cobble wall	1.8	310.1 ✓ fence ✓
+ 1.0		1.7	310.2

311.89

	1+50 W		
+10		1.8	310.1 ✓
−0.9	Top Loose Cobble wall	1.8	310.14 Fence
E		3.1	308.8 ✓
+W		3.7	308.2 ✓
C		3.8	308.1
+2		3.7	308.2
W		3.4	308.5
W	Top Plastered Cobble wall	3.07	308.82 ✓
+1	Base " "	6.W	305.7 ✓
+3.5	SE Cor House	6.3	305.6 ✓
+10		6.6	305.3
	1+71		
E −0.7 W 1.2 W P/c			
	1+74	See P 47½ for E/	
W+0.2W N end of Plastered Cobble wall			
	1+74.5		
E − 5	✓	1.8	310.1
E −1 = Cor. Picket Fence		1.8	310.1
E	Base Loose Cobble wall	3.7	308.2

For 1+75 See E + W alley

Cross Section Palm St.
Kettner Blvd to India St.
Original Notes Page 23

July 5-44 Indexed
Sisson
Bliss
Osborne

0+62.6					
TP	12.59	81.35	0.36	68.76	
0+50					
0+25					
0+10					
0+0 = East Line Kettner					
0-12 = East Curb Line Kettner					
BM	11.63	69.12		57.49	S.E.B.P. Palm & Kettner

Lt = N ℄ Rt = S

73

77.5
0
71.34
10.01
37.4 = Hly Conc Landing Halt

81.35

65.8	66.49	66.45	65.67	66.4	66.8	69.5	
3.3	2.63	2.67	3.45	2.7	2.3	4.04	
40	26 = Hly Pav		26 = Sly Pav	28	35	40	

62.3	61.87	61.91	61.52	62.1	62.7	66.4	
6.8	7.25	7.21	7.60	7.0	6.4	2.7	
40	26 = Hly Pav		26 = Sly Pav	28	35	40	

60.6	59.7	59.17	59.44	59.14	59.6	60.1	64.3
8.5	9.4	9.95	9.68	9.98	9.5	9.0	4.8
40	37	26 = Hly Pav		26 = Sly Pav	28	36	40

58.23	58.37	57.76	58.06	57.48	57.87	57.69	58.8
10.89	10.75	11.36	11.06	11.64	11.25	11.43	10.3
40 = Ely Conc Halt	26 = Cb	26 = Gutter		26 = Gutter	26 = Cb	40 = Conc Halt	40 = Ground

58.03	57.49	57.37	57.19	56.91	56.78	57.49
11.09	11.63	11.75	11.93	12.21	12.34	11.63
40 = Cb	40 = Gutter	26		26	40 = Gutter	40 = Cb

69.12

Palm St

5.60
2.73
2.85

7.78
2.85
76.93 #26 out

gutter

1+13

1+07

1+0

+99 28.5 Rt of ℄ = Sty Power Pole

+98.5

+89

+77.5

0+75

81.35

Lt = N ℄ Rt = S

14.23

79.6	79.1	78.49	78.85	78.33	78.70	79.78
1.8	2.3	2.86	2.50	3.02	2.65	1.60
40	28	26 = Hly Pav		26	33	40 = Hly Paved Drive

76.9	76.0	75.77	76.11	75.49	75.2	75.8
4.5	5.4	5.58	5.24	5.86	6.2	5.6
40	33	26 = Hly Pav		26 = Sty Pav	30	40

wall 1.0 higher

74.90
6.45
37.4 = N Ely Landing + Conc Wall

74.97
6.41
37.4 = Hly Conc Landing

72.35
9.00
37.4 = Ely Conc Landing

70.6	70.65	71.14	70.32	71.1	72.19	72.22
10.8	10.70	10.21	10.98	10.3	9.16	9.13
40	26 = Hly Pav		26 = Sty Pav	28	37.4 on Wall	40 on Wall

81.35

Palm St.

BM			3.75	99.11	WF 8P Palm t India 99.80
1+44.5	WC & Ln. India				
1+99.5	WL India				
TP	9.62	102.91	0.27	93.29	
	281 Rt 0.7 = SL Tel Pole				
1+75					
1+54					
1+50					
1+40.5	WL Cor. Wall + #41 to pwall				
1+25	3.5 back to Dr. + Cor House				
1+30					
TP	12.78	93.51	0.57	80.98	
1+23					
		81.625			

88.13
2.3
90.43
3.85
82.58

4.70
85.73

5.40
85.03

7.6
82.83

1+54 Center of wall + 15.4 ± to Top wall
1+45 ± Dr.

Rt 5

75

97.64	97.04	96.53	92.00	92.42	92.20	97.83	98.04	
5.27	5.85	6.36	5.91	5.49	5.21	4.98	4.80	
40-26	40 = Gut	38 = Gut	26	26	0.0	26	40-66	
97.5	97.69	97.53	92.20	92.48	97.75	97.51	98.31	
5.4	5.27	5.38	5.91	5.42	5.16	5.10	4.66	
40	40 = Cor. Wall	26 = CL	= Gut		26 = Ln.	26.1 = Cor.	26 = Cor. Wall	
Gr. out								
	92.0	92.3	92.26	92.40	97.72	93.3	93.5	
	1.16	1.3	1.30	1.16	0.84	0.3	0.1	
	40	27	26		26	28	40	
	85.13							
	5.13							
	39.4 = SL + Cor. Wall Top							
86.34	86.33	86.29	86.41	86.45	86.66	878	82.7	
7.36	7.23	7.30	7.15	7.11	1.90	5.8	6.4	
40.5 = SL Cor. Wall	40 on Dr.	28	26		26	28	40	
83.62	82.9	82.7	81.89	82.40	81.95	82.7	82.52	
9.91	10.7	10.9	11.57	11.12	11.61	10.9	11.4	
45 = SW Cor. Wall	40 = NW Cor. Wall	28	26		26	28	40	
				93.56				
81.7	81.1	80.50	80.95	80.45	80.80	81.72		
+ 0.13	0.13	0.85	0.40	0.90	0.55	0.15		
40	28	28		26 = SL Pole	28 = Dr. Cor.	40 = EL Pole		
		81.35						

627 C.2
5780.9
4953

65¢

27
1408

ENGINEERING DEPARTMENT,
CITY OF EAST SAN DIEGO,
CALIFORNIA.

Subject ala Hammid
290.18 174 80.9
134.5
39.5

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44 2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

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

MADE IN GERMANY.