

1350

No. 3507

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ENGINEERING DEPARTMENT,
CITY OF SAN DIEGO,
CALIFORNIA.

Our Leather Bound Engineers Note Books are carried in the following rulings:

- No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.
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THE FREDERICK POST CO.
ENGINEERING and DRAFTING SUPPLIES
IRVING PARK STATION
CHICAGO, ILL.

This included to pp 44 6/20/20 HH

National Ave. Extension	8-14
" " Alley 245 University Hts	20
" " " 262 Pacific Beach	24
Reed Ave. Bayard to Allison	28
Oliver	29
Proposed Storm Drain ^{lot 28-29} Blk 245 U.H	32

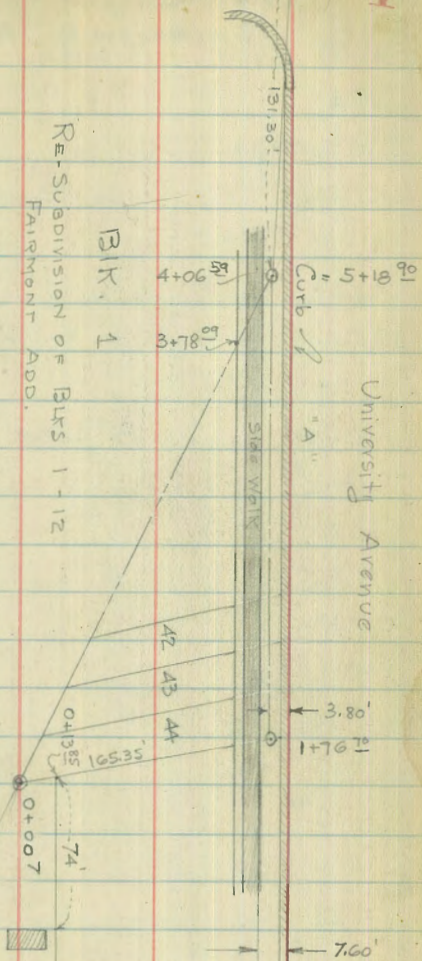
Alley Blk 174 S.D. L.T. Co. Add ✓	} 40
from Marcy to Sampson	
Alley Blk 6 Citterdens	15

Existing M.H. 5+37.89

1

RE-SUBDIVISION OF BLKS 1-12
FAIRMONT ADD.

BLK. 1



SEWER LEVELS IN BIK. ①
 Resubdivision of BIKs 1-12
 FAIRMONT ADD.

Maeger, Clavert }
 Bailey Brooks } May 28th 1929

2

STA	+	H.I.	-	Elev.	STA	+	H.I.	-	Elev.
					5+18 ^{90"} "A" = 4+06 ^{50"} "B" Line			5.1	344.6
SW. B.P. Univ. & Estrella				326.68	4+50 "B" Line			5.8	343.9
	12.42	339.10			5+37 ^{80"} "B" " Top Manhole			7.87	341.81
T.P. Floor Elev. House			0.46	338.64	Flow Line			7.535	339.27
	6.45	345.09 ✓			3+78 ^{90"} "B" Line			3.0	346.7
+75 West Side of House on Ground			8.50	336.59	+50			2.5	347.2
+40			4.5	340.6	T.P.			1.80	347.88
0+00	"A" Line		1.24	343.85 ✓		4.99	352.87 ✓		
+13 ^{85"}			1.2	343.9	3+00 "B" Line			5.2	347.7
T.P.			1.92	343.17	2+50 "B" "			4.7	348.2
	4.03	347.20 ✓			2+00 "B" "			5.0	347.9
0+64 ^{35"}			3.1	344.1	1+50 "B" "			5.0	347.9
1+14 ^{85"}			3.3	343.9	1+00 "B" "			5.4	347.5
+64 Top Bank			4.3	342.9	0+50 "B" "			7.1	345.8
Bott. "			10.8	336.4	0+00 "A & B" "			8.99	343.88
+76 ^{70"}			11.7	335.5					
2+00			9.8	337.4					
+50			6.3	340.9					
3+00 T.P.			3.23	343.97					
	5.71	349.68 ✓							
+50			4.0	345.7					
4+00			4.3	345.4					
+50			5.2	344.5					
5+00			4.6	345.1					

X-Section of Lot 32, Gilcher Tract, and
Water Line to El Cajon Blvd.

STA	+	H.I.	-	Elev.	STA	+	H.I.	-	Elev.
NE. Fire Hydrant				469.59					
	0.50	470.09	✓						

0+00 Base Line

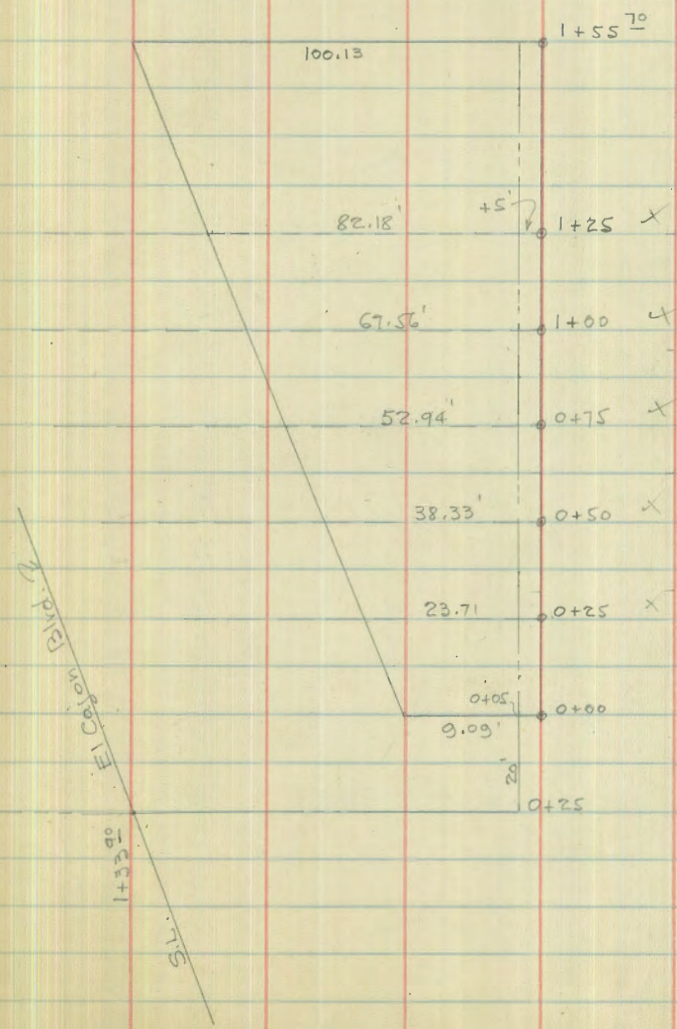
0'		5.1
5'		5.1
9.09'		4.9
20'		4.7
40'		4.6
60'		4.4
80'		4.2
100'		4.2

0+25 Base Line

0'		5.5
5'		5.7
15'		5.8
23.71'		5.3
40'		4.8
60'		4.6
80'		4.3
100'		4.3

0+50 Base Line

0'		5.8
5'		5.8
20'		5.6



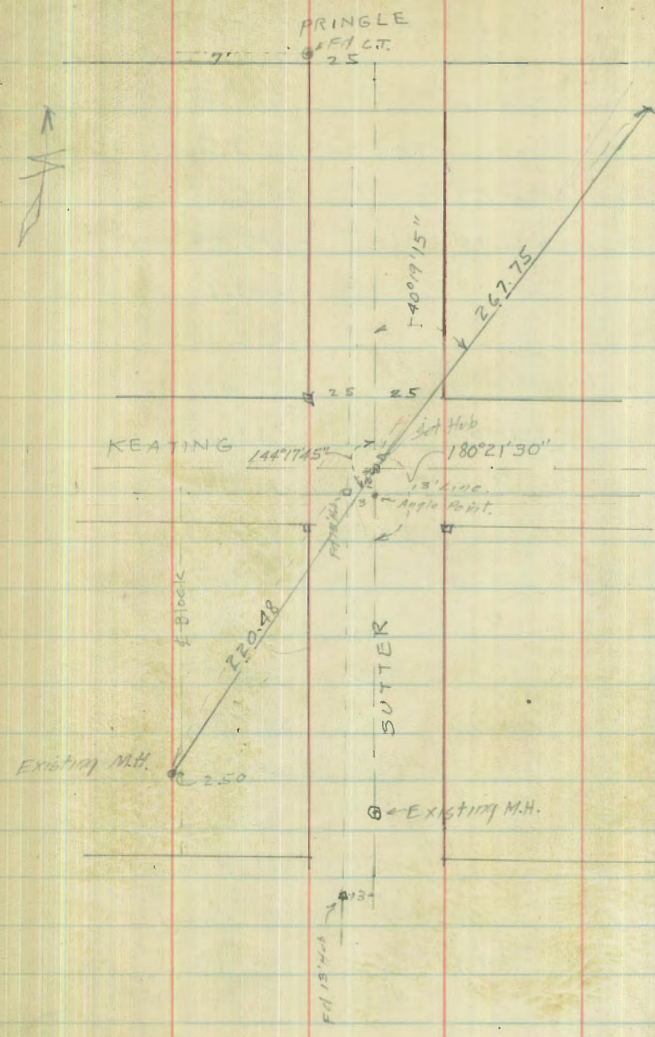
STA	+	H.I.	-	Elev.	STA	+	H.I.	-	Elev.
38.33			5.4			1+00	Base line		
60'			5.4		0'			7.3	
70'			5.4		5'			7.5	
80'			5.1		10'			7.6	
90'			5.0		20'			7.5	
100'			4.8		30'			7.4	
	0+75	Base Line			40'			7.5	
0'			6.2		50'			7.3	
5'			6.3		60'			7.4	
10'			6.4		67.56			7.2	
20'			6.4		70'			7.5	
30'			6.3		80'			7.3	
40'			6.2		90'			7.0	
50'			6.15		100'			7.0	
5v.94			6.0		110'			7.0	
60'			6.0		120'			6.6	
70'			6.3		130'			6.5	
80'			6.4		140'			6.4	
90'			6.2		150'			6.4	
100'			6.2			1+25	Base Line		
110'			6.1		0'			8.4	
120'			5.6		5'			8.5	
130'			5.3		10'			8.4	
140'			5.3		20'			8.5	
					30'			8.6	

STA	+	H.I.	-	Elev.	STA	+	H.I.	-	Elev.
40'			8.4		100.13			8.7	
50'			8.4		110'			8.6	
60'			8.3		120'			8.2	
70'			8.4		130'			7.7	
80'			8.0		140'			7.5	
8v.18'			7.9		150'			7.4	
90'			7.9						
100'			7.6						
110'			7.5		0+25			4.6	20' W. of E.L. 60th
120'			7.5		0+50			4.2	
130'			7.4		0+75			4.3	
140'			7.2		1+00			4.1	
150'			7.1		1+33 ⁹⁰			4.43	S.L. El Cajon Pavement
	1+55 ⁷⁰	Base Line			⊥			3.89	El Cajon Blvd.
0'			9.8						
5'			9.7						
10'			9.7						
20'			9.7						
30'			9.8						
40'			9.9						
50'			9.6						
60'			9.4						
70'			9.3						
80'			9.1						
90'			9.0						

Survey for Sewer Easement in Middle
Town Add

8/20/27 Loudon.

6



Profile of Sewer Line shown on

P. 6. 8/23/47 Loudon.

0+00 = D.E. Northby from E. of E. 250 ft.

+ H.I. -

SPNW

Pringle & N.H.

BM	3.38	268.45		265.07
0-21			10.9	257.6
T.P.	1.06	256.63	12.88	255.57
0+00	0.15	243.99	12.99	243.84
0+08			2.3	243.7
0+13			5.7	238.3
+26			13.1	230.9
T.P.	0.05	231.15	12.89	231.10
+41			7.0	224.2
+54			11.1	220.1
T.P.	0.46	218.61	13.00	218.15
+66			2.7	215.9
+79			7.2	211.4
T.P.	0.95	206.65	12.91	205.80
1+04			1.9	204.8
+14			6.7	200.0
+34			13.1	193.6
+45			14.4	192.3
T.P.	0.48	194.11	13.02	193.63
+52			4.2	199.9
+87			11.0	193.1
T.P.	0.26	181.46	12.91	181.20
2+05			3.6	177.9
+36			7.3	172.2
+55			11.8	169.7
+64			7.8	171.7

2+67.25			10.7	170.8
0+00				
T.P.	9.19	189.85	0.80	180.66
BM			0.88	188.97
BM-	0.88	189.85		188.97
T.P.	0.26	177.10	13.01	176.84
0+25			12.0	165.1
T.P.	0.28	164.34	13.04	164.06
0+55			4.1	160.2
+90			9.7	154.6
T.P.	1.36	152.76	12.94	151.40
1+35			1.5	151.3
+70			7.1	145.7
2+10			12.9	139.9
T.P.	0.34	144.39	8.71	144.05
2+20 ⁴⁸			6.38	139.01
			16.29	128.10

= E. Sutter = Kahing.

Hub N.W.
Sutter = Kahing
(188.77)

= Existing M.H. top.

F.L.

7-25-24 National Ave Ext. Paving Levels
 J.C. Bliss South edge paving - EL Encima de San
 Diebert Diego to City Limits
 Rauner

B.M.	S.W. Nails	Madrone + 63rd		344.48
	5.11		↑	Elev
	12.58	357.06		
T.P.			0.11	356.95
	12.80	369.75		
T.P.			0.16	369.59
	110.42	380.01		
T.P.	Top iron section pin for square corner		0.73	379.28
	3.10	382.38		
T.P.			4.86	377.52
	12.21	389.73		
T.P.			0.00	389.73
	5.09	394.82		
B.M.E			5.07	389.75
T.P.			0.40	394.42
	112.30	406.72		
T.P.			1.08	405.64
	11.82	417.46		
B.M.			6.50	410.96
T.P.			0.06	417.40
	5.91	423.11		
T.P.			12.60	410.51
	0.33	410.84		
T.P.			12.82	398.02
	0.21	398.23		

Bress Plug Middle National Ave Ext. Paving at Woodman Ave.

Bress Plug Middle National Ave Ext. Paving Opposite
 Gate Valve in Pipe Line Sta 148+57. See plans for
 Improvements - about 60' Beyond EL Encima de San
 Diego

Sta	+ T	-	Elev
	398.23		
T.P.		13.10	385.13
	1.17	386.30	
T.P.		0.50	385.80
	12.56	398.36	
T.P.		0.40	397.96
	12.89	410.85	
T.P.		0.17	410.68
	13.09	423.77	
T.P.		0.00	423.77
	12.91	436.68	
T.P.		0.00	436.68
	12.76	449.44	
T.P.		0.26	449.78
	13.19	462.37	
T.P.		0.35	462.02
	3.62	465.64	
T.P.		11.70	453.94
	3.79	457.73	
		6.28	451.45
	4.70	456.17	
B.M.		6.17	450.00

B.P. Intersection of National Ave Extension & City Limits
Boundary Line.

Radius distance given in curve data is
always to southerly edge of paving

π 463.17⁵

10

B.M. B.P. & Nat. Ave. Ext + City Limits - Page 9

450.00

+ 6.39

π 456.39

0+00 = Intersection South edge Paving + City Limits Line

0+00	6.3	450.1	3
+ 50	6.1	450.3	4
1+00	5.8	450.6	5
+ 50	5.6	450.8	6
2+00	5.3	451.1	7
+ 50	5.1	451.3	8
3+00	4.8	451.6	9
+ 50	4.7	451.7	10
4+00	4.5	451.9	11
+ 50	4.3	452.1	12
5+00	3.9	452.5	13
+ 50	3.5	452.9	14
6+00	3.4	453.0	15
+ 50	3.4	453.0	16 = E.C. = 0+00
T.P.	2.94	453.47	0+38.85 = S.C. 42.2° 16' - Rad 990 - 12 parts - chords 32.27

+ 9.70

π 443.17⁵

6+90.35 = B.C. - A 27° 18' - Rad 990 - 10 Parts - Chords 29.50

1	9.9	453.2	1
1	9.7	453.4	2
2	7.5	453.6	3

3

4

5

6

7

8

9

10

11

12

13

14

15

16 = E.C. = 0+00

0+38.85 = S.C. 42.2° 16' - Rad 990 - 12 parts - chords 32.27

1

1

T.P.

40.37

9.3

9.2

8.9

8.4

7.8

7.1

6.3

5.5

4.6

3.8

3.1

2.5

1.8

1.2

0.9

0.8

0.8

π 443.17⁶

453.8

454.0

454.2

454.7

455.4

456.0

456.8

457.6

458.5

459.3

460.0

460.6

461.3

461.9

462.2

462.3

0.37 462.80⁷⁸

π 463.17⁵

7	40	459.1
8	46	458.5
9	54	457.7
10	62	456.9
11	6.9	456.2
12 = E.C. = 0700	76	455.5
+50	8.8	454.3
+100	9.9	453.2
+50	11.1	452.0
2400	12.1	451.0
+50	13.3	449.8
T.P.	13.10	450.07 ⁵
0.08	π 450.15 ³	
3400	1.5	448.6
+50	2.4	447.7
4405.27 = B.C. 462°10' Rad. 310' - 10 Parts - Chords 33.60	3.3	446.8
1	4.1	446.0
2	4.8	445.3
3	5.5	444.6
4	6.2	443.9
5	6.9	443.2
6	7.8	442.3
7	8.8	441.3
8	10.0	440.1

π 450.15³

11

9	11.3	438.8
10 = E.C. = 0700	12.9	437.2
T.P.	13.05	437.17 ⁸
+0.19		
	π 437.31 ²⁷	
0750	2.7	434.6
+80	4.0	433.3
+10	5.7	431.6
1458.35 = B.C. A 52°18' Rad. 240' - 8 Parts - Chords - 27.36	8.5	428.8
1	9.7	427.6
2	11.0	426.3
3	12.5	424.8
T.P.	12.85	424.46 ²
0.59		
	π 425.05 ¹	
4	1.5	423.5
5	2.8	422.2
6	4.1	420.9
7	5.2	419.8
8 = E.C. = 0700	6.1	418.9
0755.15 = B.C. 438°06' Rad. 310' - 8 Parts - Chords 25.85	8.0	417.0
1	9.3	415.7
2	10.4	414.6

$\pi 425.05^1$

3	11.6	413.4
4	12.9	412.1
T.P.		13.06 411.99 ⁵
0.11		
	$\pi 412.10^{06}$	
5	1.0	411.1
6	2.5	409.6
7	3.7	408.4
8 = E.C. = 0+00	4.8	407.3
+50	7.2	404.9
1+00	9.8	402.3
1+4763 = B.C. $\Delta 89.24'$ Radius 140 - 8 Parts - Chords 27.13		
	12.6	399.5
T.P.		12.88 = 399.22 ¹⁸
+1.29		

$\pi 400.51^{47}$

1	2.2	398.3
2	3.7	396.8
3	5.1	395.4
4	6.5	394.0
5	7.7	392.8
6	9.0	391.5
7	10.4	390.1
8 = F.C. = 0+00	11.8	388.7

$\pi 400.51^{47}$

12

T.P.		12.79 387.72 ⁶⁸
	+0.80	
		$\pi 388.52^{48}$
0+50	1.8	386.7
1+00	3.9	384.6
+50	6.0	382.5
+75	6.9	381.6
2+00	7.5	381.0
2+52.25 = B.C. $\Delta 86.17'$ Rad 210 - 10 Parts - Chords 31.58		
	8.4	380.1
1	8.8	379.7
2	8.8	379.7
3	8.4	380.1
4	8.2	380.3
5	7.6	380.9
6	7.0	381.5
7	6.1	382.4
8	4.8	383.7
9	3.8	384.7
10 = E.C. = 0+00	1.9	386.6
T.P.		12.0 387.32 ²⁸
		$\pi 397.96$
	12.68	$\pi 400.00$
0+40.60 = B.C. $\Delta 30.13'$ Rad. 690 - 10 Parts - Chords 36.33		
	11.6	388.3
1	9.6	390.3

299.16
T 400.00

T 422.76

13

2	7.4	392.5
3	5.2	394.7
4	3.0	396.9
5	0.9	399.0
T.P.	0.07	399.93 ^{.39}

2	4.6	418.1
3	5.0	417.7
T.P.		5.30 417.46 ²
	1.61	
T	419.07 ³	

11.61

T 411.54

6	10.1	401.4
7	7.9	403.6
8	5.6	405.9
9	3.5	408.0
10 = E.C. = 0 + 00	1.3	410.2
T.P.	0.00	411.54 ⁰

4	1.9	417.1
5	2.5	416.5
6	3.1	415.9
7	4.0	415.0
8 = E.C. = 0 + 00	4.7	414.3
0 + 50	6.0	413.0
1400	7.1	411.9
1747.44	8.2	410.8

+11.22

T 422.76

0 + 50	9.6	413.1
1400	7.2	415.5
+ 50	5.6	417.1
2 + 00	5.00	417.7
+ 50	4.6	418.1
3 + 00	4.6	418.1
+ 35	4.5	418.2
3 + 69 = B.C. 489'51" - Rad = 160 - 8 Parts - Chords 31.30	4.4	418.3
1	4.5	418.2

→ Opposite Water Gate about 68' East of E.L.
Encino de San Diego - See Plans for Improvements

B.M. B.P. In paving opposite Water Gate 812 410.95

T.P. 11.63 407.42

0.01 407.43

11.22 396.21

1.28 397.49

B.M. B.P. In paving at Weed man 7.70 389.79

12.71 384.78

0.26 385.62

12.69 372.93

Sta	+	π	-	Elev
				372.93
	0.47	373.40		
			12.58	360.82
	7.52	368.34		
			13.06	355.28
	0.60	355.88		
B.M., S.W. Nails 63rd + Madrone			11.38	344.50
			Correct	344.48

10-29-29 X-section Alley Block 6-Crittenden
 J.C. Bliss Addition - 20' wide
 Lynn Drebert Univ. to Robinson - Between 7th & 8th
 Chuck Roubert

T 289.37

15

B.M.N.W.B.P. 8 th + University	284.38	E	7.2	282.2	
4.99	T 289.37		1+04		
5 L. University = +100 = Existing paving		8' Garage 1.5' Back EL. Dirt Floor	6.9	282.5 ✓	
W Tpcb } Flush	4.80		1+14		
G	4.88	284.57	8' Garage 1.5' Back EL. Dirt Floor	7.4	282.0 ✓
E	4.76	284.49		1+25	
G			E	7.6	281.8
E Tpcb } Flush	4.76	284.61	E	7.5	281.9
	0+25		W	7.5	281.9
E	6.2	283.2		1+50	
E	5.7	283.7	W	7.6	281.8
W	5.8	283.6	E	7.7	281.7
	0+44		E	7.7	281.7
8' Garage 1' Back EL. Wood Floor	5.8	283.4 ✓		1+75	
	0+50		E	8.0	281.4
W	6.3	283.1	E	8.1	281.3
E	6.7	282.7	W	7.9	281.5
E	6.6	282.8		1+88	
	0+75		8' Concrete Garage open 4' in Alley front EL.	8.06	281.31 -
E	6.9	282.5	Floor of Garage at E.W.	7.67	281.70 ✓
E	6.8	282.6		2+00	
W	6.7	282.7	W	8.0	281.4
	1+00		E	8.4	281.0
W	7.3	282.1	E	8.1	281.3
E	7.3	282.1			

Plotted 10/30/29 C.B.H.

T 289.37

2+00

± 8' Concrete Garage Apron 1.5' in Alley front. 8.05

281.32 ✓

→ Floor of " 2' Back E.L. 7.92

281.45 ✓

T.P.

8.34 281.03

+3.52

T 284.55

2+09

± 8' Garage 1.5' Back E.L. Concrete floor 3.06

281.49 ✓

2+25

E 3.7

280.8

± 4.0

280.5

W 4.1

280.4

2+33

± 8' Garage 2' Back W.h. Dirt floor 3.9

280.6 ✓

2+50

W 3.8

280.7

± 4.2

280.3

E 4.0

280.5

2+52

± 8' Garage 4' Back W.h. Dirt floor 4.7

279.8 ✓

2+63

± 8' Garage 2' Back W.h. Dirt floor 3.9

280.6 ✓

2+75

E 4.4

280.1

± 4.4

280.1

W 4.4

280.3

T 284.55

2+76

± 8' Garage 3' Back W.h. Concrete floor 4.00

280.55 ✓

2+98

± 8' Garage at E.L. Dirt floor 4.8

279.7 ✓

3+00

W 4.2

280.3

± 4.7

279.8

E 4.7

279.8

3+25

E 5.2

279.3

± 5.1

279.4

W 4.9

279.6

3+37

± 8' Garage 0.5' in Alley front W.h. Concrete floor 4.88

279.67 ✓

3+50

W-± 1/2' Garage 0.5' in Alley front W.h. Dirt floor 5.3

279.2 ✓

± 5.5

279.0

E 5.2

279.3

3+67

± 15' Concrete Garage Apron 1.5' in Alley front E.L.

North end 6.00 278.55

South 6.09 278.46

3+75

E 6.1 278.4

± 6.0 278.5

W 5.7 278.8

16

T 284.55

3188

⊕ B. Garage at El. Dirt Floor 6.3 278.2 ✓

4100

W 6.5 278.0

⊕ 6.9 277.6

E 6.3 278.2

4102

Beginning of Wall on El. Top Wall 6.32 278.23 ✓

4125

E Top wall 6.24 278.31

" Base " 7.3 277.2

⊕ 8.0 276.5

W 7.4 277.1

4142.5 - Break in Grade of Wall

W 7.8 276.7

⊕ 8.8 275.7

E Base Wall 8.3 276.2

" Top " 6.43 278.12

4145 = M.L. Robinson - Existing paving

E Top Wall 7.76 276.79

G 8.73 275.82

⊕ 8.94 275.61

T.P. 8.19 276.36

4139

T 280.75

T 280.75

17

G

4.78 275.97

W Typo

4.69 276.06

B.M. N.W. B.P. 8th & Robinson

5.79 274.96

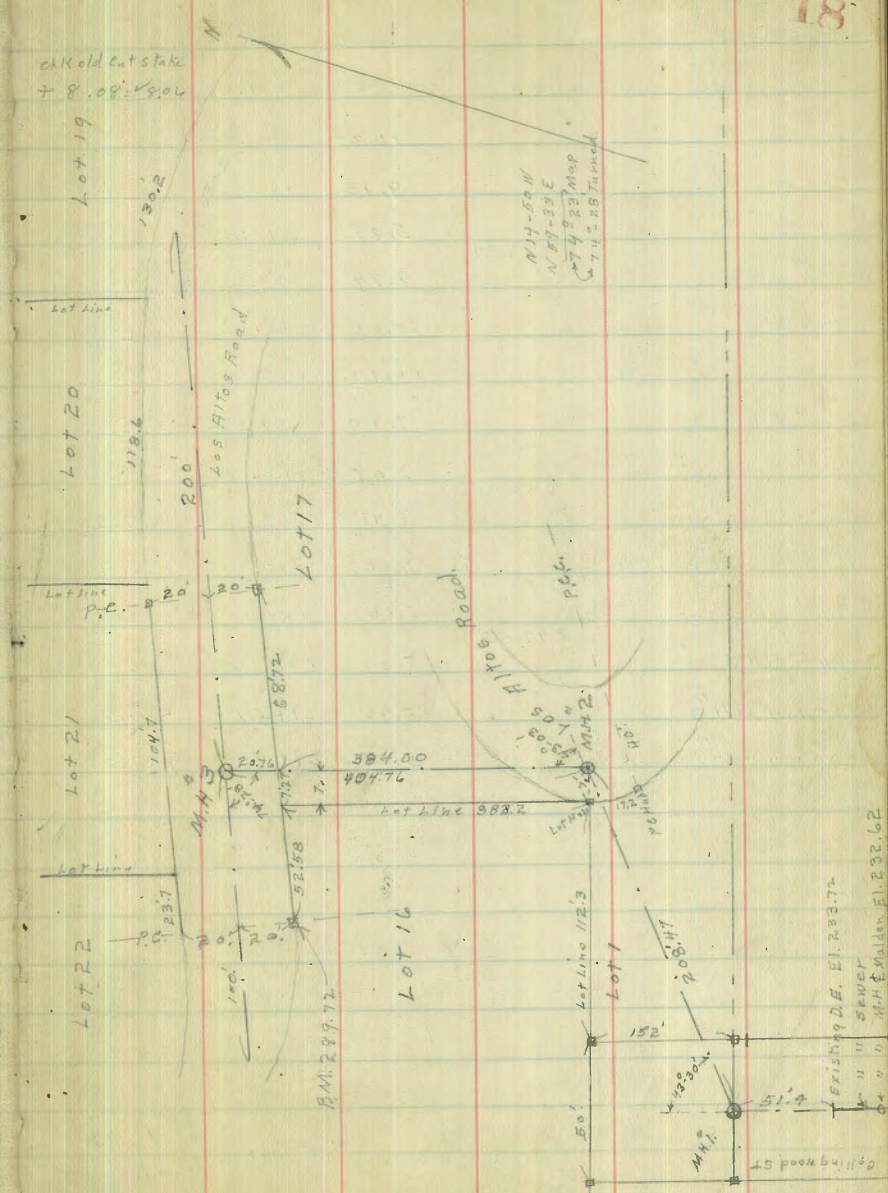
Corrected 274.95

Sewer in Soledad Terrace
For Miss. H.O. Sessions

11-19-27
Miller

Location & Profile & Construction Page 19.

BM. F.L.M.H. 19.98	R52.60	232.62	241.80	240.5
00=Stake at Ex DE.	0+00	10.80	241.80	240.5
0+51.4=MH 1	+51.4	12.1	240.5	240.5
0+35	+84.4	12.2	240.14	240.14
0+25	+86.4	10.4	242.2	242.2
0+50	+01.4	10.60	242.0	242.0
1+00	+51.4	9.30	243.3	243.3
1+50	2+01.4	6.1	246.5	246.5
T.P.	12.44	264.27	0.78	251.83
1+08 1/2 MH 2	+59.87	11.8	252.5	252.5
0+50	3+09.87	10.7	253.6	253.6
1+00	+59.87	11.1	253.2	253.2
1+50	4+09.87	7.7	256.6	256.6
2+00	+59.87	2.3	262.0	262.0
T.P.	12.91	276.95	0.23	264.04
2+50	5+09.87	7.5	269.4	269.4
3+00	+59.87	1.1	275.8	275.8
T.P.	12.37	289.15	0.17	276.78
3+50	6+09.87	6.9	282.2	282.2
T.P.	8.98	297.55	0.58	288.57
3+93	+52.87	7.6	290.0	290.0
4+04 1/2 MH 3	+64.63	5.3	292.2	292.2
50' N. of M.H. 3	4	5.4	292.1	292.1
100' " " " " 3	3	4.6	293.0	293.0
50' E. of M.H. 3	2	5.8	291.7	291.7
100' " " " " 3	1	5.7	291.8	291.8
150' " " " " 3	0	4.9	292.6	292.6
200' " " " " 3	0	4.5	293.0	293.0



Sewer Construction Soledad Terrace

H.I.
252.60

Grade

19

Station	H.I.	Grade	Grade	Grade	Notes	
00 = Existing DE		10.80	241.80	233.72	+8.08	↳ Collingwood ST
0+51.4 = 0100		11.56	241.04	234.23	+6.81 ✓	M.H. 5. line Soledad Terrace Add.
0+50		10.30	242.30	37.28	+5.02 ✓	
1+00		9.13	243.47	40.37	+3.10	
1+50		5.49	247.11	43.42	+3.69	
2+08 ^{HT} M.H. 3 ¹⁰⁰⁰	264.27	9.94	254.33	247.00	+7.33 ✓	
0+50		10.05	254.22	48.67	+5.55	
1+00		10.72	253.55	50.33	+3.22	
1+50 Brk		7.20	257.07	252.00	+5.07	
2+00 B.H.	276.95	2.09	262.18	58.66	+3.52	
2+50		7.41	269.54	65.32	+4.22	
3+00	289.15	1.16	275.79	71.98	+3.81	
3+50	297.55	7.16	281.99	78.65	+3.34	
4+04 [#] 24 M.H. 3		5.39	292.16	286.00	+6.16	
0+50 E. 4 M.H. 3 [#]		5.98	291.57	286.50	+5.07	
1+00 " " " 3 [#]		5.75	291.80	287.00	+4.80	

Walker
1401 8155
Drebert
Mothorn
2-8-30

CROSS SECTION 20' Alley's Blk 245 Univ. Hts.
From St. MYRTLE St. to Exist. Existing 100' wall Upas.
AND From West line North and South Alley
to End of Alley East of HERBERT St.

NW 5P
UPAS
4 HERBERT

	8.34	298.29	289.95
T.P	4.45	297.66	293.21

0+10 = 5 cb. Line Myrtle St.

M Gut. on Pav.	8.75	288.91
L " "	8.38	289.28
F " "	8.04	289.62

0+00 = St. Myrtle

E top cb.	7.16	290.50 ✓
E Gut. on Pav.	7.61	290.05 ✓
L " "	8.07	289.59 ✓
M " " "	7.95	289.71 ✓
M top cb.	7.83	289.83 ✓

0+05

Plotted 2-10-30 C.B.H.

M	5.2	292.4
+3	5.2	292.4
+4	6.8	290.8
L	7.8	289.8
+4	7.5	290.1
E	6.6	291.0

0+25

E	6.2	291.4
L	6.1	291.5
+5	5.8	291.8
M	5.1	292.5

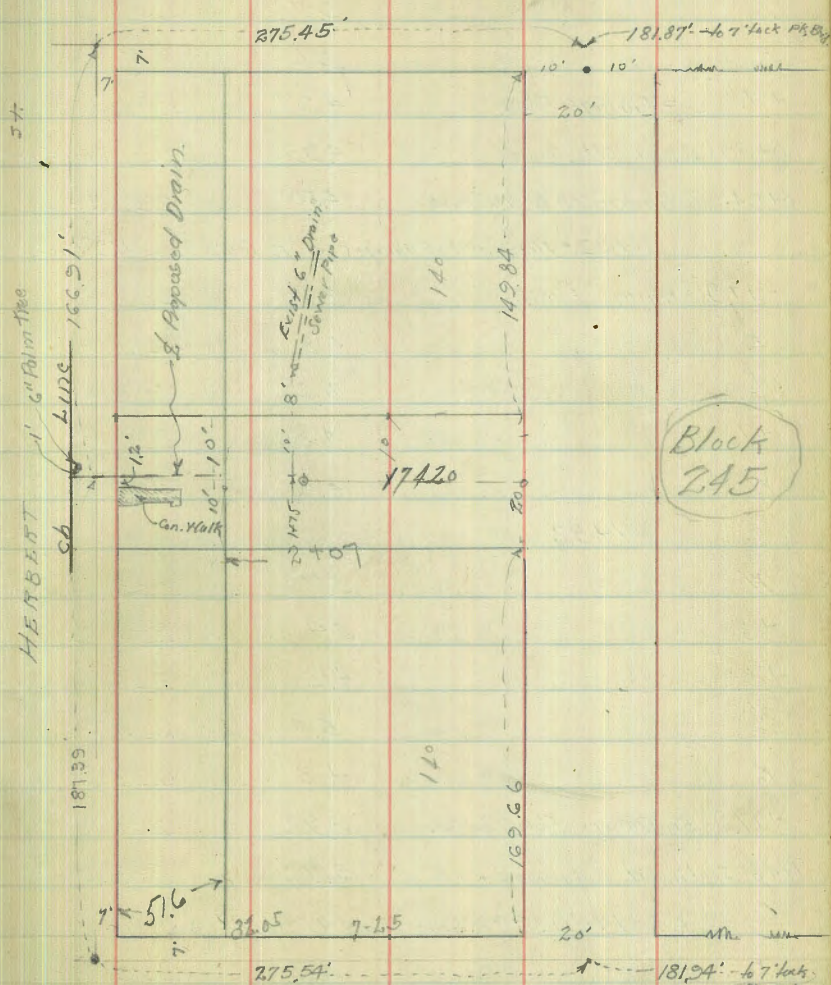
0+76 = 1/2 Dble. Garage on E. Con Floor. 7.6 Back

Closing on Myrt 10'
Herbert St closing 10'
Upas " " 30.49 = Herbert.
293.60 Park

20

MYRTLE

St.



Block
245

UPAS

St.

W	4.8	292.8
+5'	5.2	292.4
L	5.7	291.9
E	5.6	292.0
+7.6' = Garage Floor	4.97	292.69 ✓
0+89 = S. end Dble. Garage on floor	4.95	292.71 on East ✓
0+94 = L Garage on E 7.6' Back.	4.50	292.16 ✓
1+02 = North end 5 Garages on E. Gen Floor 17.5' Back. ✓		
-17.9' = Garage Floor	3.80	293.86 ✓
E	4.8	292.8
L	5.2	292.4
+7	4.8	292.8
W	4.9	292.7
1+32		
W	3.7	293.9
+3	3.4	294.2
+5	4.2	293.4
L	5.0	292.6
E	4.3	293.3
+17.9 on Garage Floor on Gen.	3.72	293.94 ✓
1+48 = South end 5 Garages on E	3.72	293.94 ✓
1+49.84 = N. line East + West Alley ↓		
E	4.2	293.4
L	5.0	292.6
W	4.3	293.3
1+69.84 = North end 4 Garages on W. 0.2' in Alley ✓		

W+0.2' - 60	4.48	293.18 ✓
L	5.2	292.4
E	4.2	293.4
2+05 = S. end 4 Garages on W. Gen Floor on line ✓		
E	4.1	293.5
L	5.0	292.6
+8' = on Lip Apron	4.63	293.03
W " Garage Floor	4.50	293.16 ✓
2+40 = Beginning Exist. Porch		
W on Por.	4.52	293.14
L " "	4.79	292.87
+8.8 on Por. = Ice Apron	4.31	293.35
2+65		
E+0.7 = Ice Apron on Por.	4.22	293.44
L on Porch	4.73	292.93
W " "	4.63	293.03
2+90		
W on Por.	4.59	293.07
L " "	4.63	293.03
E " "	4.05	293.61
3+15		
E " "	4.03	293.63
L " "	4.50	293.16
W " "	4.35	293.31
3+29.5 = N. L. UPAS		
W on Ob.	3.85	294.81 ✓

M on Apr.	4.02	293.64 ✓
L " "	4.40	293.26 ✓
E " "	3.95	293.71 ✓
E top cb.	3.70	293.96 ✓

Cross Section East & West Alley ^{30'} Wide

0+00 = N.W. North & South Alley

TP	2.29	295.60	4.45	293.81
N			2.3	293.3
L			2.5	293.1
S of Garage East Entrance			2.4	293.2 ✓
0+19 = East end of 3 Garages on South Con Floor on Line				
S on Garage Floor			3.93	292.17 ✓
L			3.2	292.4
N			3.1	292.5
0+50 = End Above 3 Garages on South = Beginning Dble Garage on South Con Floor				
N			4.0	291.6
L			4.3	291.3
+9.8 = Garage Floor of 3 Garages			3.52	292.08 ✓
0+50 = East end Dble Garage on South Con Floor			3.89	291.71
			Ref Floor = 4.60	291.00
0+60 = 1/2 Dble Garage on N. Con Floor. N. East. S. W. use Alley N. East. Road.				
0+68 = West end Dble Garage on South				
-1' = Garage Floor			3.90	291.70 ✓
S			4.2	291.4
L			4.5	291.1
N			3.8	291.8
+1' on Garage Floor			4.60	291.0 ✓

1408 = East end of 4 Garages on N. Con. Floor. With Con. Apron Approachs		
-1.2 = Garage Floor	4.90	290.70 ✓
N+0.8 = toe Apron	5.22	290.38 ✓
L	5.0	290.6
S	4.9	290.7
1+09 = East end Dble Garage on South. With Con. Apron Con. Floors.		
S on Floor Garage	4.99	290.61 ✓
+0.4 = toe Apron	5.12	290.48 ✓
1+26 = West end Above Garage		
S on Floor	4.99	290.61 ✓
+0.4 = toe Apron	5.18	290.42 ✓
1+32 = East end Dble Garage on South Con Floor		
S-1.3' on Floor	4.95	290.65 ✓
S-0.25 = toe Apron	5.28	290.32 ✓
S	5.5	290.1
L	5.6	290.0
+9.5 = toe Apron to 4 Garages	5.33	290.27
N+1.3 = Garage Floor	4.95	290.65
1+44 = End Above 4 Garages on N. Con Floor With Con. Apron		
N-1.3 on Garage Floor	4.95	290.65 ✓
N+0.5 = toe Apron	5.28	290.32 ✓
1+49 = West end Dble Garage on South		
N+0.4 = toe Apron	5.30	290.30 ✓
L	5.7	289.9
S	5.4	290.2
+0.4 = toe Apron	5.30	290.30 ✓

S+1.3 = Garage Floor. 4.95 290.65 ✓
 5.9 289.7 ✓
 +6.0 = 1/2 Dble. Garage on N 0.5' Back dirt Floor.
 +7.5 = 1/2 Exst Drain on N 8' Back

S 5.6 290.0
 L 5.7 289.9
 +6 5.9 289.7
 N 6.7 288.9
 +8 = Floor Line 6" Drain Swwer pipe ^{Surface} 7.83 287.77

+9.8 = 1/2 Garage on South Con Floor With Con. Apron.
 S+1.5 = 1/2 Apron. 4.70 290.90 ✓
 +3.7 = Garage Floor. 4.41 291.19 ✓

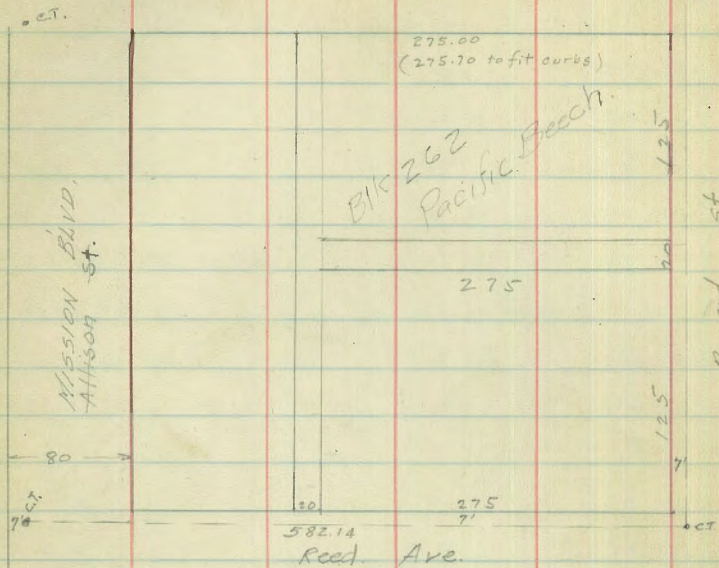
2+0.7 = End. Alley
 -5 5.4 290.2
 N 5.4 290.2
 L 4.9 290.7
 S 4.8 290.8
 +2' on Con. Walk. 4.42 291.18

Above Sta. 2+07 Levels For Drain & Alley Produced West.
 =0+00 4.9 290.7
 +2.5 5.2 290.4
 +4.7 5.6 290.0
 + = East edge Walk 7.46 288.14
 +61.6' = top of curb 7.67 287.93
 +61.6' = Gut. on Pav. 8.50 287.10
 T.P. 6.55 293.55 8.60 287.00

cht. on NW. 82

3.60 282.95 ✓

3/4/30 London



Thomas

275.00
(275.70 to fit curbs)

Bk 262
Pacific Beach

275

582.14
Reed Ave.

Bayard St.

X sec Alleys Bk 262 Pacific Beach

24

X-S Alley 20' wide

SP NE
MSO Bk 262 Pacific

B.M.	6.23	4.31	-1.92
T.P.	3.44	3.29	4.46
0+00 = H.L. Reed			
WL		4.0	-07
±		3.5	-02
EL		3.5	-02
0+25			
SE		5.1	-18
EL		5.0	-17
±		5.0	-17
WL		5.1	-18
SW		4.9	-16
0+50			
SW		4.8	-15
WL		4.8	-15
±		4.3	-10
EL		5.0	-17
SE		5.0	-17
0+75			
SE		4.8	-15
EL		4.8	-15
±		4.4	-11
WL		4.2	-09
SW		4.1	-08

Plotted 3-8-30
C.B.M.

3.29

1+00
 5W 3.7 -04
 WL 3.8 -05
 † 4.1 -03
 EL 4.2 -09
 SE 4.1 -03

1+25
 5E 4.2 -09
 EL 4.0 -07
 † 3.4 -01
 WL 3.2 01
 SW 2.9 04

1+35 = † E-W Alley
 MH. on † FL 7.91 -362
 Top 2.39 10

1+45
 SW 2.7 06
 WL 2.9 04
 † 3.6 -03
 EL 3.9 -06
 SE 3.9 -06

1+70
 SE 3.5 -02
 EL 3.6 -03
 † 3.9 -06
 WL 3.1 02

1+70 3.29

5W 3.0 03

1+95
 5W 3.5 -02
 WL 3.4 -01

† 3.5 -02
 EL 3.3 00

SE 3.3 00
 2+20

5E 3.4 -01
 EL 2.2 11

† 2.5 08
 WL 1.6 17

SW 1.9 13

1+17^E = † shed 13' west earth floor
 2.9 04 ✓

1+57 = † shed 14' west
 *T.P. 5.45 6.36 2.38 0.91
 2.6 07 ✓

2+45
 SW 3.1 32

WL 3.0 33
 † 3.2 31

EL 3.5 28
 SE 3.4 29

2+61		636	E-W Alley 20' Wide				
SE		2.9	3.4	XTP	5.87	6.78	0.91
EL		2.6	3.7	2+75	= E.L. of N-S Alley.		
±		2.6	3.7	SN	7.4		-0.6
WL		2.8	3.5	NL	7.4		-0.6
5W		2.9	3.4	±	7.6		-0.8
2+70 = S.L. Thomas				S.L.	7.5		-0.7
WL top eb		3.01	3.35	5S	7.5		-0.7
WL gut		3.10	3.26	2+50			
± Paw		3.37	2.99	5S	7.4		-0.6
EL gut		3.01	3.35 ✓	SL	7.4		-0.6
EL top eb		2.78	3.58 ✓	±	7.3		-0.5
2+90 = S eb Thomas				NL	7.5		-0.7
EL top eb		2.87	3.49 ✓	SN	7.5		-0.7
EL gut		3.45	2.91 ✓	2+25 = ^{earth floor.} ± shed 0.7 N	7.3		-0.5 ✓
± paw		3.60	2.76 ✓	2+25			
WL gut		3.62	2.74	NL	7.3		-0.5
WL top eb		3.15	3.21	±	7.3		-0.5
				SL	7.4		-0.6
				5S	7.1		-0.3
				2+00			
				5S	7.1		-0.3
				S.L.	7.2		-0.4
				±	6.9		-0.1
				N.L.	6.6		0.2

Plotted 3-8-30
CCH

678

1+75			
N.L.	5.5	13	
±	6.0	08	
S.L.	6.3	05	
SS	6.6	02	
1+68 = ± garage	6.8.N. 5.03	175	✓
1+58 = ± Single garage	35 North wood floor		
	4.47	231	✓
1+50			
SS	5.7	11	
S.L.	5.5	13	
±	5.3	15	
N.L.	5.1	17	
1+25			
N.L.	4.3	25	
+3	4.3	25	
+5	4.7	21	
±	4.7	21	
S.L.	5.0	18	
1+00			
S.L.	3.9	29	
±	2.6	42	
+7	3.6	32	
N.L.	3.4	34	

0+75 678

N.L.	3.0	38	
±	2.9	39	
S.L.	2.5	43	
0+50			
S.L.	2.4	44	
±	2.1	47	
+5	2.6	42	
N.L.	2.5	43	
0+25			
N.L.	2.2	46	
+5	2.2	46	
±	1.8	50	
S.L.	1.8	50	
0+00 = WL Bayard			
S.L. top eb	1.37	541	✓
S.L. gut	1.64	514	✓
± Pav	1.88	490	✓
N.L. gut	1.60	518	✓
N.L. top eb	1.35	543	✓
0-10 = W eb Bayard			
N.L. top eb	1.18	560	✓
N.L. gut	2.00	478	✓
±	2.06	472	✓
S.L. gut	2.06	472	✓
S.L. top eb	1.52	526	✓

Shots on Reed Ave from
Bayard to Allison
(Reed not paved)

28

SE BP
Bayard & Thomas

*TP 2.93 3.84 0.91
B.M 577 -1.93

B.M 3.40 7.28 5.88

0+00 = WL Bayard.

Neb 4.50 4.78

Nest 5.20 4.08

± pad 5.09 4.19

Spt 5.60 3.68

Seb 5.03 4.25

1+00

Seb 6.92 2.36

± 6.9 2.4

Neb 6.52 2.76

1+25 = FL Alley.

Neb 7.08 2.20

± 7.4 1.9

Seb 7.23 2.05

1+40 = WL Alley.

Neb 7.41 1.87

± 7.7 1.6

Seb 7.58 1.70

2+00

Seb 8.73 0.55

± 8.8 0.5

Neb 8.44 0.84

Plotted 3-6-30
CBH

3/5/30 Loudon.

2 + 13 = end of eb walk on North.

9.28

Neb	8.43	085
3+00		
N.L.	9.7	-06
±	9.8	-05
Seb	9.48	-020
4+00		
Seb	10.06	-078
±	10.3	-10
N.L.	10.2	-09

A+04^E = end eb walk on South.

Seb	10.29	-081
A+45		
N.L.	9.7	-04
±	10.0	-07
S.L.	9.9	-06

5+00 on S = 5+02 on N = EL Allison.

Sgt	8.47	081
± pav	8.53	075
N get	8.74	054
Neb	8.12	1.14

Shots on * of Alley Between Reed and Oliver

9.28

29

0-10 = Feb Allison get	9.70	-042
0-10 top eb	9.06	022
0+00 = EL - Allison	8.9	03
0+50	10.2	-09
0+84	10.2	-09
0+87	11.2	-19
0+96	11.0	-17
0+97 = beg. of Pav.	10.47	-119
2+00	10.08	-080
3+00	8.95	033
3+62 = WL N-S Alley	8.05	123
3+69 ^E = ± " "	8.00	128
3+77 = EL " "	7.61	167

Shots on Oliver from Bayard to Allison

Oliver - Paved
T.P. 1.52 5.35 5.45 3.83

0+00 = WL Bayard.		
Neb	1.54	381
get	2.08	327
get	2.22	313
Seb	1.67	368
1+25 = EL Alley.		
Seb	3.93	142
get	4.47	088
get	4.34	101
Neb	3.95	140

oliver.

5.35

1+40 = WL Alley.

Neb	4.28	1 07
gut	4.75	0 60
gut	4.86	0 49
Seb	4.36	0 99

2+10

Seb	5.58	- 0 23
gut	6.22	- 0 87
gut	6.15	- 0 80
Neb	5.54	- 0 19

3+00

Neb	6.22	- 0 87
gut	6.84	- 1 49
gut	6.90	- 1 55
Seb	6.22	- 0 87

A+04 = end of impts.

Seb	7.04	- 1 69
gut	7.68	- 2 33
gut	7.59	- 2 24
Neb	6.98	- 1 63

A+35

N.L.	7.4	- 2 1
S.L.	7.9	- 2 6

oliver

5.35

5+01⁵ = EL Allison

30

Seb	6.08	- 0 73
gut	6.52	- 1 17
+	6.36	- 0 99
Ngut	6.44	- 1 09
Neb	5.79	- 0 44

Shots on + Alley between Oliver and Pacific.

0-10 = Ecb Allison	7.31	- 1 96
0-10 to bet	6.73	- 1 38
0+00 = EL Allison	6.7	- 1 4

0+14	7.3	- 2 0
0+18	8.4	- 3 1
0+58	8.5	- 3 2
0+65	7.4	- 2 1

0+87 = begin of Alley Pav. 7.23 - 1 88

2+00 6.25 - 0 99

3+00 5.46 0 11

3+61⁶ = WL N-s Alley 4.88 0 47

3+69¹ = + " " 4.78 0 57

3+76⁶ = EL " " 4.35 1 00

Elevs. on tolet S.E. Allison & Pacific.

FL. 1027 - 4.92

gutter 8.07

to bet 7.25

5.35

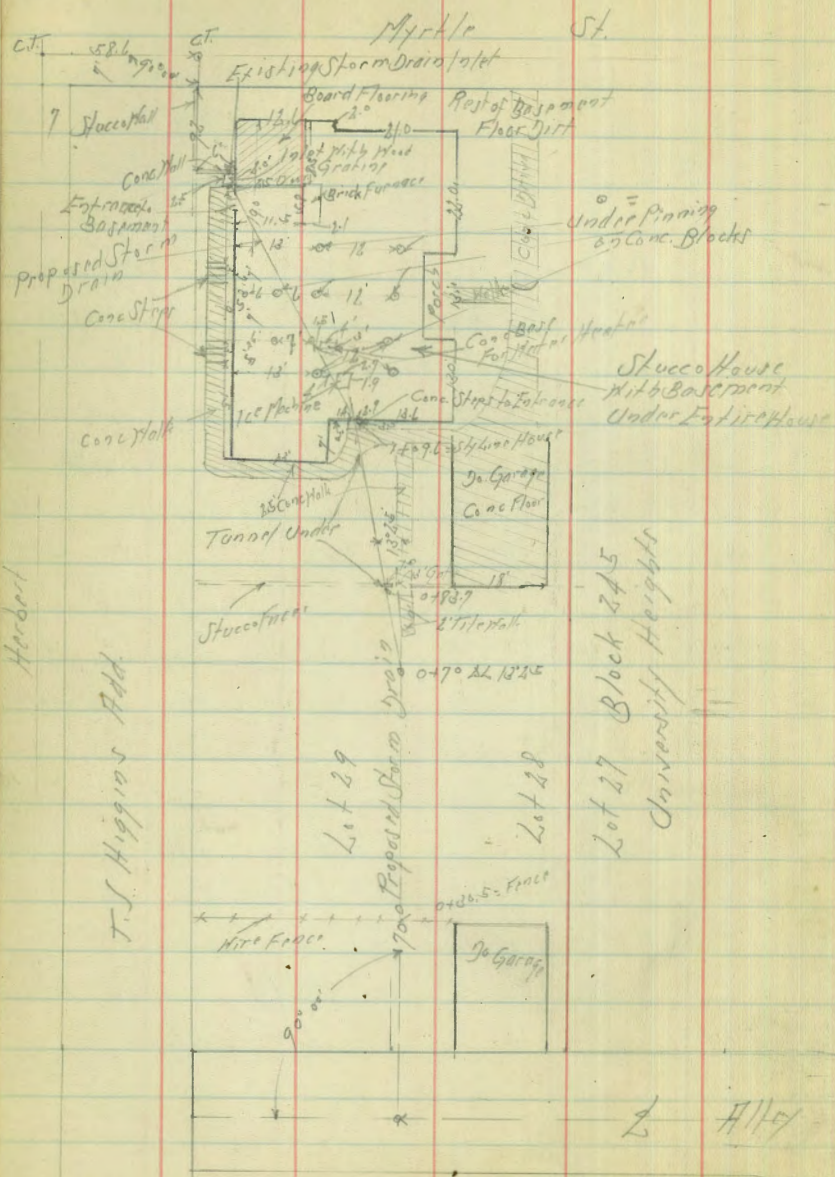
Nqt Pacific opp. inlet 7.79

Neb " " " 7.13

Elevs on Inlet NE Allison & Pacific

FL.			10.21	-4.86	
tutter			8.23		
top eb			7.24		
T.P.	3.20	3.65	4.90	0.45	
B.M.			5.57	-1.92	BP NE Pacific & Allison
T.P.	9.62	8.62	4.65	-1.00	
B.M.			2.74	5.88	SE Payard & Thomas

Proposed Storm Drain
 Across Lots 28 & 29 Blk 245 Univ Heights



Herbert

T.S. Higgins Add.

Lot 29

Lot 28

Lot 27 Block 245
 University Heights

1117

See next Page for Details

University Heights
 Block 245

See Page 20 For
 Alley Cross Section

17420

8-12-36
 S. S. 07
 22 B. 111
 No. 111
 00-689 32

North & South Alley

20
 10
 10

Levels on Proposed Storm Drain
 Across Lots 28 + 29 B/L 245 Univ. Hgts.

312.30

33

BM	6.54	290.49		289.95	W.P.P. up 1/100
TP	1.68	291.96	6.25	290.61	
0.40 - E.W. Alley			2.0	289.9	
+30			3.8	288.1	
+55 adj. Patb			6.0	285.9	
+70 A.L. 13.25			8.0	283.9	
+74.5 - Sph. Tile Walk			8.16	283.7	
+83.7 - on Tile Walk - Stone Floor			8.45	283.4	
+85			8.1	283.1	
+88.8 - Sly Edge Conc. Walk			8.96	282.9	
+89.6 - Sly Edge of House on top of steps			9.75	284.1	
on House Floor at floor entrance			9.25	284.6	
TP	1.58	284.50	9.00	286.95	
on Grating of lot N.W. Cor. of House			8.96	275.74	
Flow line of Pipe leaving lot			11.54	272.96	
on Conc. Walk Entrance to front			8.38	276.12	
TP	4.78	280.90	8.38	276.12 274.54	
on Conc. Base for Furnace			4.90	276.0	
on Conc. Base for Water Heater			4.03	276.87	
Ground Sly Endowment			3.6	277.3	
Ground Center "			5.0	275.9	
on Floor of N.W. Cor.			4.1	276.8	

Survey & Levels for Drainage
at N.W. Pt. Loma Blvd & Bacon St.

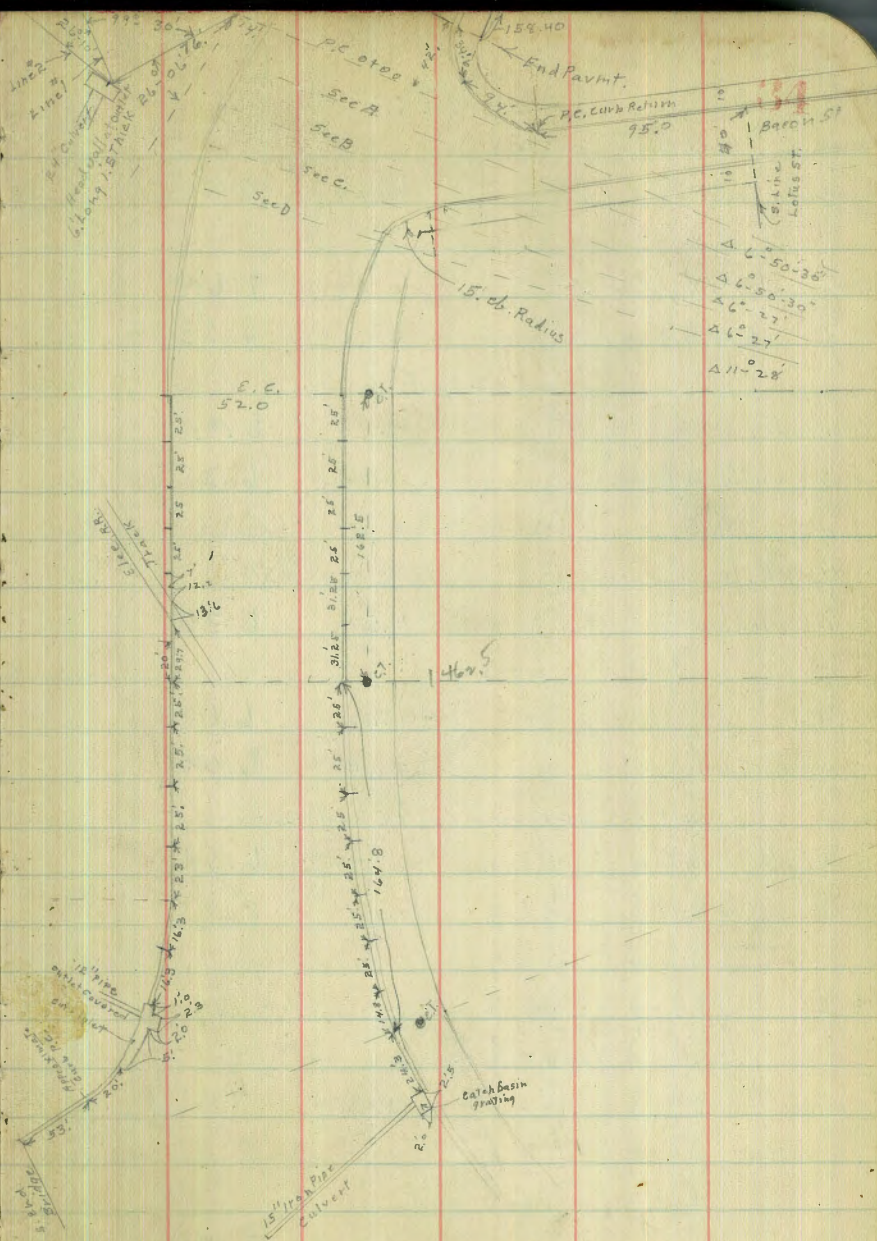
4/14/20
miller

Curb & Gutter Levels on Bacon St

N.E. Bacon
& Voltaire

B.M. B.P.	3.57	13.09 ✓	7.52
+00 = N. Line Lotus St			
E. ch.		4.34	8.75
E. gutter		5.09	8.00
W. "		5.49	7.40
W. ch.		5.03	8.06
+25' N			
W. ch.		5.14	7.91
W. gutter		5.82	7.27
E. "		5.28	7.81
E. ch.		4.60	8.49
+50' N			
E. ch.		4.83	8.26
E. gutter		5.45	8.64
W. "		5.95	7.14
W. ch.		5.35	7.74
+87'			
W. ch.		5.55	7.54
W. gutter		6.20	6.89
E. "		5.74	7.35
E. ch.		5.70	7.99
+95' P.C. el. Return on E.			
E. ch.		5.19	7.90
E. gutter		5.79	7.30

sections separate from Here North



13.09
1+20 N. on W.

W. cl. Busted

W. gutter 6.38 6.71

1+42 N. on W.

W. cl. 5.95 7.64

W. gutter 6.56 6.53

1+73

W. cl. 6.15 6.94

W. gutter 6.74 6.35

2+00

No curb in drive

W. gutter 6.89 6.20

2+20

W. cl. 6.40 6.69

W. gutter 7.05 6.04

2+43 approx P.C. 15' Rad. Ret

W. cl. 6.55 6.54

W. gutter 7.14 5.95

E. cl. + gutter ground Curve to E.
+95 = P.C. Page 34
1+18 E on Curve

E. cl. 5.48 7.61

E. gutter 6.07 7.02

1+42 on Curve

E. cl. 5.58 7.51

E. gutter 6.28 6.81

13.09
1+65 E on Curve

35

E. cl. 5.77 7.32

E. gutter 6.39 6.70

1+89 on Curve = S. Line W. PT. Loma Blvd.

E. cl. 5.97 7.12

E. gutter 6.51 6.58

2+06 E on Curve

S. cl. 6.16 6.93

W. gutter 6.73 6.36

T.P. 4.29 11.55 ✓ 5.83 7.26

2+23.6 E. End Pavmt E. Curb Return

S. cl. 4.83 6.72

S. gutter 5.37 6.18

11.55 ✓

7 see Intersection Bacon & W. PT. Loma Blvd

E. End Pavmt 43' E. of P.C. 0+00 on S. cl. W. PT. Loma Blvd
S. curb chks. Tr. Pts N. cl. does Not. 51' Rad W

S. cl. 4.83 6.72

gutter 5.37 6.18

+13 = 14 5.02 6.53

+26 = 4 4.87 6.68

+39 = 14 5.14 6.41

+51 = gutter 5.56 5.99

E. cl. 5.05 6.50

+52 = E. cl. line 5.0 6.55

11.55

P.C. 0+00

1.5 S. of N. cl. line = N. cl.	4.96	6.59
N. gutter	5.44	6.11
"4	5.04	6.49
±	4.82	6.73
"4	4.82	6.73
S. cl. line	4.81	6.74
+14' S. line on pavmt.	4.85	6.70

See A. Δ 6°50' - 30"

S. line	4.63	6.92
S. cl. line	4.71	6.84
"4	4.77	6.78
±	4.84	6.71
"4	4.94	6.57
+11.5 = N. gutter	5.18	6.37
+11.5 = N. cl.	4.95	6.60

See B. Δ 13°41'

1.1 S. of N. cl. line & Elec Track	4.95	6.60
"4	4.84	6.71
±	4.73	6.82
"4	4.71	6.84
S. cl. line	4.64	6.91
S. line	4.70	6.85

on Pavmt
No Curb

W. line
N. cl. line
"4
±
"4
+12 = gutter
+12 = cl.
gutter
s. cl. at P.C. cl. Ret.

11.55

Sec C. A 20°08'

W. line	5.29	6.26
N. cl. line	5.05	6.50
"4	4.97	6.58
±	4.91	6.64
"4	5.12	6.43
+12 = gutter	5.21	6.34
+12 = cl.	4.81	6.74

See D

0.8 S. of N. cl. line = N. cl.	5.01	6.54
gutter	5.80	5.75
"4	5.32	6.23
±	5.17	6.38
"4	5.33	6.22
gutter	5.72	5.83
s. cl. at P.C. cl. Ret.	5.02	6.53

0+00 = E. C.
Curbs OK. From Here West

S. cl.	5.69	5.86
gutter	6.40	5.15
"4	6.04	5.51
±	5.85	5.70
"4	6.15	5.40
gutter	6.50	5.05
N. cl.	5.86	5.69

36

11.55
0+25 W.

N. cl	6.12	5.43
N gutter	6.80	4.75
S. "	6.79	4.76
S. cl	6.75	5.40

0+50

S. cl	6.60	4.95
S. gutter	7.19	4.36
N. "	7.13	4.42
N. cl	6.43	5.12

0+75

N. cl	6.68	4.87
N gutter	7.42	4.13
S. "	7.49	4.06
S. cl.	6.88	4.67

T.P.	3.79	7.51	7.83	3.72
------	------	------	------	------

1+00

S. cl	2.92	4.59
S. gutter	3.60	3.91
N. "	3.75	3.76
N. cl curb Buckled	2.98	4.53

1+07 End curb curb cut for Track

N. cl.	3.73	3.78
N gutter	4.29	3.22

37

7.51
1+19.2

N. cl. Lincoln E. Rail	4.05	3.46
------------------------	------	------

1+32.8

N. cl. Lincoln on W. Rail	4.36	3.15
---------------------------	------	------

S. gutter	4.29	3.22
-----------	------	------

S. cl.	3.73	3.78
--------	------	------

1+42.5

N. gutter	4.46	3.05
-----------	------	------

N. cl. E. End.	3.83	3.68
----------------	------	------

1+62.5 P.C. on E. = 0+00

N. cl	4.04	3.47
-------	------	------

N. gutter	4.71	2.80
-----------	------	------

S. "	4.76	2.75
------	------	------

S. cl.	4.20	3.31
--------	------	------

Around Curve to S.W.

0+25

S. cl	4.55	2.96
-------	------	------

gutter	5.13	2.38
--------	------	------

0+50

S. cl	4.86	2.65
-------	------	------

gutter	5.49	2.02
--------	------	------

0+75

S. cl	5.22	2.29
-------	------	------

gutter	5.84	1.67
--------	------	------

7.51

1+00

S. ch	5.55	1.96
gutter	6.11	1.40

1+25

S. ch	5.99	1.52
gutter	6.49	1.02

1+50

S. ch	6.40	1.11
gutter	6.82	0.69

1+64⁸ P.C.C.

S. ch	6.54	0.97
gutter	7.02	0.49

1+89' N. End Catch Basin

S. ch	6.53	0.98
gutter on grating.	7.33	0.18

Levels along N. Curb

0+00 = 1+62⁵ P.C.

0+25 N.

N. ch	4.28	3.23
gutter	5.02	2.49

0+50

N. ch	4.54	2.97
gutter	5.31	2.20

0+75

N. ch	4.80	2.71
gutter	5.53	1.98

7.51

0+98. Apparent P.C. Curb

38

N. ch	5.05	2.46
gutter	5.75	1.76

1+14.3

N. ch	5.09	2.42
gutter	5.83	1.68

1+30⁴ E. End. curb inlet

N. ch	5.25	2.26
gutter lip at inlet	6.18	1.33

1+31⁶

grating of d. inlet	6.24	1.27
---------------------	------	------

T.P.	9.22	11.48	5.25	2.26
------	------	-------	------	------

ch original 3M.

1.97	9.51 = 9.52
------	-------------

Profile Levels for Drainage from
Head wall at outlet of 24" Pipe toward Slough
Plat Page 34

9.32

39

B.M.	1.97	11.49 ✓	9.52 -		9.32		
T.P.	2.02	9.32	4.67	7.30	01002 outlet at Headwall	8.82	0.50 Top headwall
		Line 1			" " "	12.65	- 3.33 F.L. Pipe ground at end of Pipe
00-outlet at Headwall			8.82	0.50 Top headwall	" " "	10.0	- 0.7
" " "			12.65	- 3.33 F.L. Pipe	0+15	9.9	- 0.6
" " "			10.0	- 0.7 Ground at end of Pipe	0+30	8.1	1.2
0+15			8.2	1.1	0+60	9.0	0.3
4 N. of 0+15 in present ditch			10.2	- 0.9	0+65	11.0	- 1.7
0+50 " " "			10.6	- 1.3	1+00	11.6	- 2.3
0+73 " " "			11.3	- 2.0	1+60	12.1	- 2.8
0+83			9.6	- 0.3	1+67	12.9	- 3.6 in borrow pit
4 S. of 0+83 in ditch			11.3	- 2.0			
1+00			9.1	0.2			
9 S. of 1+00 Top Bank			9.1	0.2			
15 " " 1+00 in ditch			11.8	- 2.5			
1+17			8.6	0.7			
17 S. of 1+17 Top Bank			9.0	0.3			
23 " " 1+17 in ditch			11.9	- 2.6			
1+35			8.7	0.6			
1+41			11.9	- 2.6			
2+00			12.5	- 3.2			
2+80			13.6	- 4.3			

8087
952
4039

Flood
Paved
Sampson
4/1/20

X sec Alley 174
S.D. & T. Co. Add.
Sampson & Marcey bet Logan & Kearney

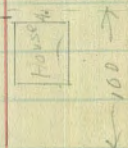
20' wide

Marcey Paved

30.30'

N.

S.



Sampson Paved

Conrad Bley
will give the water drain
on east side of road ending
at 100 About 0+985 Alley to Logan

40

B.M. N.W. B.P. 0.70 72.23 71.53 Kearney 9521/5000

0+10 = E. Co. Sampson

N.L.	5.26	66.97
±	5.46	66.77
S.L.	5.62	66.61

0+100 = E.L. Sampson

S. Co	4.82	67.41
Print	4.91	67.32
± print	4.96	67.27
N.L. Print	4.69	67.54
N.L. Co.	4.49	67.74

Plotted 6-9-30
C.B.H.

0+20

N	6.3	65.9
±	6.8	65.4
S.L. ^{boards} fence in Alley 97	7.5'	64.7

0+65 = ± Garage on N 1.3 Back

S.	8.0	64.2
±	7.9	64.4
N	7.3	64.9
Garage dirt floor	7.3	64.9

T.P. 4.39 68.71 7.51 64.12

0+98 proposed drain to Logan

0+100 = S.L. Alley

S.L.	4.8	63.9
450 South	5.0	63.7

1+00 south 4.8 63.9
 1+42 south 5.1 63.6
 1+56 @ Logan 5.60 63.11
 1+56 @ other Logan 4.18 62.53

1+00
 N. 4.9 63.8
 E 4.8 63.9
 S. 4.7 64.0

1+48

E dirt floor Garage 0.1 Back of S.F.
 S. 5.3 63.4
 E 5.0 63.7
 N. 5.2 63.5

1+45 - E dirt floor Garage
 0.40 Back of N.L.

Floor 5.1 63.6

1+72 E dirt floor

Garage on N 0.8 in Alley
 N+0.8 floor of Garage 5.1 63.6
 E 5.1 63.6
 S. 5.2 63.5

2+10 E double Garage on

S. Cement floor Cement Apron 18' long Main Alley
 Garage 0.5 Back
 S.L. - 0.5 Floor level 5.25 63.66

S.L. 5.12 63.59
 4.6 edge of Apron 5.26 63.45
 E 4.8 63.9
 N.L. 4.7 64.0

2+56 E Garage on N.
 N.L. - 0.5 dirt floor 3.3 65.4

N.L. 3.4 65.3
 E 3.7 65.0
 S.L. 4.0 64.7

This station is also E of Screen Porch on House to S.
 9' wide E 0.2 in Alley

2+72 E ^{Double} Garage on N
 Cmt floor 3.17 65.54

2+95

N.L. +1.0 Board fence 10. in Alley 3.7 65.0
 E 3.9 64.8

S.L. on Cmt Slab 7' long 1.8 in Alley 4.03 64.68
 T.P. 3.30 68.50 3.51 65.20

3+39 E double garage on N

S. 4.5 64.0
 E 4.2 64.3
 N.L. 3.9 64.6
 - 2.5 Cmt Foot of Garage 3.50 65.00

3+57 E Cmt floor Garage on N

3.60 64.90
 N 4.1 64.4

+
68.50

☼	4.5	64.0
S.	4.3	64.2
3 + 75' ☼ Cent floor Garage on N		
S.	4.7	63.8
☼	4.5	64.0
N on edges of Apron on line 4.10		
+ 2 floor level	3.78	64.72
4425		

N.	4.7	63.8
☼	4.6	63.9
S.	4.5	64.0

4 + 31.75 S.L. of Mt. Marcey

Top Ch.	4.65	63.85
Print	4.74	63.76
☼ dirt	4.6	63.9
N.L.	4.7	63.8

4 + 47.50 ☼ Alley of Mt. Marcey

Also Cent Garage on N 0.5 Back

Floor	4.58	63.92
N.L.	4.70	63.80
☼	5.00	63.50

4 + 53.25 = N.L. of Mt. Marcey

N.L. Ch.	4.39	64.11
Print Ch.	4.65	63.85

W gutter Marcey

42

N.	5.38	63.12
☼	5.54	62.96
S.	5.72	62.78
T.P.	6.32	67.52
B.M.	7.80	61.20
	3.03	64.49

Hogan &
Sambson

This is
London

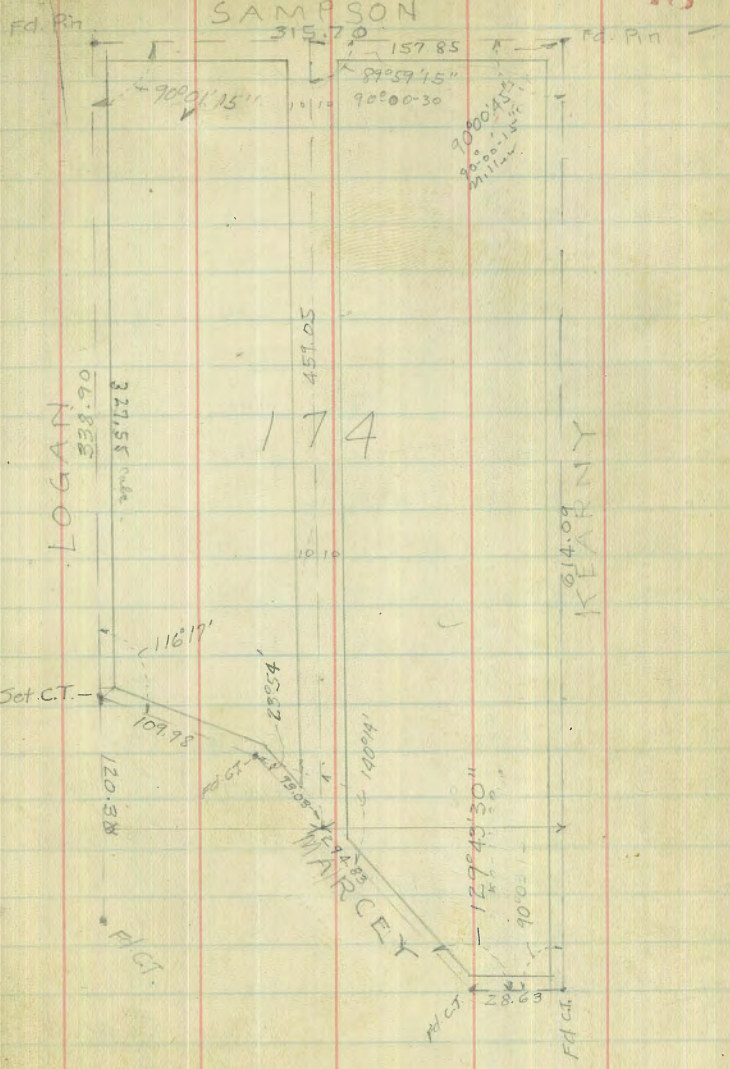
Survey Block 174 S.D.
Land & Town

43

90-01-15
89-47-45
0 1-30
8-45
90-00-30

2 | 515.86
157.93

453.
00027
4077
906
.13137
7
20



60' wide
10' c/s
10' 1/4 s.

Sutter St X See at 1 Bis St

8-15-30
Miller
Sommer may
M^c Hugh

N.W. Sutter
& Jackdaw

B.M.	1.40	263.40		262.00
T.P.	6.74	258.01	12.13	251.27
		65' E. of E. line 1 bis		258.01
N. cl			3.72	52.49
gutter			4.38	53.63
"			3.97	54.04
⊕			3.86	54.15
"			4.01	54.00
gutter			4.40	53.61
S. cl.			3.73	54.28
		30' E. of E. line 1 bis		
S. cl			5.56	52.25
gutter			6.14	51.87
"			5.70	52.31
⊕			5.52	52.49
"			5.66	52.35
gutter			6.07	51.94
N. cl.			5.45	52.56
		E. line 1 bis {		
		60' wide		
		10' c/s		
		10' 1/4 s		
N. cl			6.90	51.11
gutter			7.46	50.55
"			7.04	50.97
⊕			6.87	51.14
"			7.14	50.83
gutter			7.67	50.34
S. cl.			7.14	50.87

258.01

E. cl. 1 bis

258.01

44

"			1.4	7.60	50.41
⊕				7.28	50.78
"			1.4	7.41	50.60
N. cl. line				7.71	50.30
N. line gutter				7.42	50.39
" " curb. cl.				6.93	51.08
+ 50' N curb				5.26	52.75
+ 50' N gutter				5.98	52.03
+ 102 ⁷⁵ N curb. cl.				2.97	55.04
+ 102 ⁷⁵ N gutter				3.60	54.41
			3.7 W. of E. cl. = W. End good	walk on S.	
S. gutter. incl. iv. No curb			8.28	49.78	
+ 2.5 W. = Wedge W. end Walk			7.39	50.42	
+ 7.5 W. = S " " " "			7.52	50.49	
S. line on curb. drive			7.52	50.49	
			E. 1/4 1 bis		
102 ⁷⁵ N. of N. line Sutter			3.28	54.78	
50' " " " "			5.80	52.21	
" " " "			7.68	50.33	
N. cl			7.95	50.06	
"			7.76	50.45	
⊕			7.60	50.61	
"			7.96	50.05	
gutter			8.54	49.47	
S. cl.			7.98	50.03	
S. Line Walk N.G.			7.7		

258.01
 ♀ 1bis st.

S.	7.8	51.0
S. el	8.43	49.58
gutter	8.96	49.05
"	8.29	49.77
♀ on M.H.	7.85	50.16
"	8.11	49.90
N. el	8.27	49.74
N. line	7.82	50.19
50' N	5.79	52.77
102.75 N	3.34	54.67

W. " 1bis

102.75 N. of Sutter	3.70	54.31
50' " " "	6.22	51.79
N	8.38	49.63
N. el	8.74	49.27
"	8.55	49.46
♀	8.33	49.68
"	8.81	49.20
gutter	9.55	48.46
S. el	9.00	49.01
S. line	8.5	49.5

W. el. of 1bis

S. line	8.4	49.2
S. el	9.40	48.61
gutter	10.11	47.90
"	9.32	48.69

258.01

Sutter St

♀	8.75	49.26
"	8.88	49.17
N. el	9.22	48.79
N. line gutter	9.16	48.85
N. line = N. End emt. el + walk	8.73	49.28
50' N. W. edge pavmt.	6.87	51.71
102.75 N. gutter	4.33	53.68
102.75 N. S. End W. emt. el.	3.76	54.25
5 W. of W. el. = E. line emt. walk to N.		

No walk or curb from here to 102.75 North

103.15 N. = S. End emt. walk	3.68	54.33
102.75 N. dirt	2.9	55.10
70' N	5.5	52.5
50' N	6.7	51.3
N. line on N. End. emt. Return	8.54	49.49

oo = W. line / Bis = W. edge emt. walk

102.15 N. = send W. edge emt. walk	3.58	54.43
102.75 dirt	3.1	54.9
70' N	5.2	52.8
50' N	6.9	51.1
N. line cor Return	8.43	49.58
N. el	8.86	49.15
gutter	9.50	48.51
"	9.32	48.69
♀	9.14	48.87
"	9.74	48.27
gutter	10.73	47.28

45

258.01

00 W. Line 1 bis (20w)

s. el.	9.55	48.45
s. line	9.3	48.7
+ 11. on Form board garage floor 0+0.5' W.	8.74	249.23
s. Line	9.7	48.3
s. el.	9.61	48.40
gutter	11.11	46.90
"	9.90	48.11
⊕	9.29	48.77
"	9.48	48.53
gutter	9.69	48.32
N. el.	8.96	49.05

0+07.5 W.

N. el.	9.00	49.01
gutter	9.77	48.24
"	9.52	48.49
⊕	9.33	48.68
"	9.94	48.07
+ 5	10.61	47.40
+ 8, on N.E. Cor Catch Basin	11.40	46.61
gutter s.e. " " "	11.57	46.44
s. el.	9.63	48.38
s. line	9.7	48.3

0+10.5 ⊕ ^{2.5' X} 2.5' Catch Basin on N.

s. d. line F.L. Catch Basin	15.00	43.0
N. el. " F.L. " "	9.84	48.17
" " " Top " "	12.46	48.55

258.01

0+12.5 W

s. line	10.0	48.0
s. el.	9.61	48.40
gutter SW. Cor. Catch Basin	11.51	46.50
+ 2, N.W. " " "	11.35	46.66
+ 5	10.50	47.51
"	9.92	48.09
⊕	9.39	48.62
"	9.57	48.42
gutter	9.79	48.24
N. el.	9.04	48.97

0+15 W

N. el.	9.04	48.97
gutter	9.75	48.26
"	9.55	48.46
⊕	9.37	48.64
"	9.87	48.14
gutter	10.95	47.06
s. el.	9.57	48.44
s. line	9.8	48.2

0+20 W

s. line	9.8	48.2
s. el.	9.50	48.51
gutter	10.52	47.49
"	9.66	48.35
⊕	9.33	48.68
"	9.49	48.52

Sutter St

46

Floortobe
Level345
11.55
15.00

258.01

0+20W(eon)

gutter	9.65	48.05
N. cl.	9.03	48.98

0+50 W.

N. cl.	8.32	49.69
gutter	8.96	49.05
"	8.67	49.30
♀	8.59	49.42
"	8.88	49.13
gutter	9.39	48.62
S. cl.	8.75	49.26
+ 2.35 = N. edge walk	8.77	49.24
+ 7.35 = S. " "	8.55	49.56
S. line.	8.5	49.5

Walk OK from Herz West.

0+75 W

S. cl.	8.00	50.01
gutter	8.59	49.22
"	8.04	49.97
♀	7.71	50.30
"	7.83	50.18
gutter	8.10	49.91
N. cl.	7.48	50.53

258.01

1+05 W.

N. cl.	6.12	51.84
gutter	6.69	51.37
"	6.27	51.74
♀	6.17	51.82
"	6.38	51.63
gutter	6.86	51.15
S. cl.	6.32	51.69

1+50 W

S. cl.	3.35	54.66
gutter	3.99	54.02
"	3.47	54.54
♀	3.25	54.76
"	3.45	54.56
gutter	3.87	54.12
N. cl.	3.30	54.71
T.P.	8.08	363.38
chk. BM.	1.38	263.38

Sutter St

47

Gutter levels N. side Landis
Marlborough to 42nd St

10416-30
mills.

347.33

48

BM.	4.25	347.33	343.08	N.M. Landis + Marlborough	40' S	5.47
E. el. line Marlborough		5.09			45' S	5.75
7' E.		4.90			52' S = S. el. line	5.81
9' 3 E		4.92		Profile	S. line Landis	5.88
14' 8 = E. line Marlborough		4.91	342.72	342.34		

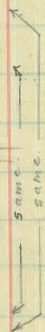
Rake from E. line Marlborough El. 342.42 to W.

Line 42nd St El. 341.90

Rake N. gutter from E. line Marlborough

El. 342.42 to W. Line 42nd St El. 341.90

W. line 42 nd St, parmt. to W.	5.43	341.90	341.85	Profile
W " " " " to E	5.47	341.86		
5' E	5.52			
10' E	5.58			
14' E = W. el. line 42 nd gutter	5.53			
W. gutter of 42 nd St.				
N. line Landis	5.39			
5' S	5.45			
10' S	5.51			
00 = 14' S = N. el. of Landis	5.53			
4' W. of above	5.58			
5' S	5.54			
4' W. of above	5.59			
10' S	5.53			
15' S	5.54			
16' S s. side expan. joint.	5.51			
20' S	5.57			
26' S	5.55			
30' S	5.60			
35' S	5.63			



0+00 = W. Line 42 nd	135' W	0.03 High
+10	0.02 High	
20' W	0.02 High	138' W 0.01 "
22' W	0.00	140' W 0.03 "
30' W	0.00	145' W 0.00
35' W	0.01 low.	150' W 0.02 High
40' W	0.01 "	155' W 0.01 High
45' W	0.00	160' W 0.02 "
50' W	0.00	170' W 0.02 "
55' W	0.02 High	175' W 0.02 "
62' W	0.04 "	180' W 0.00
68' W	0.03 "	190' W 0.00
75' W	0.00	195' W 0.01 low
80' W	0.02 High	200' W 0.01 low
90' W	0.00	205' W 0.00
100' W	0.02 High	211' W 0.03 Low
110' W	0.00	220' W 0.03 "
120' W	0.02 High	230' W 0.01 "
125' W	0.04 High	239' W 0.02 "
130' W	0.05 High	240' W 0.00

N. Gutter Landis
Bet. Marlborough & 42nd

347.34

49

245' W 0.01 Low
250' W 0.00
260' W 0.01 Low
270' W 0.02 "
275' W 0.04 "
280' W 0.02 "
285' W 0.02 "
290' W 0.00
295' W 0.01 High

300' W = E. Line Marlborough.

10-17-30

N & S. Gutter on E. cb. Line Marlborough

at Landis

B.M. 30' North of N. line Landis	4.26	347.34	343.04	N.W. Landis & Marlborough
20' North.			4.92	
10' "			4.97	
N. line Landis			4.95	
5' S. South			5.00	
8' S.			4.99	
12' S.			5.11	
14' S. = N. cb. line			5.10	
27' " = N. 1/4			5.18	
40' S = ϕ			5.26	
53' S = S. 1/4			5.33	
46' S = S. cb. line			5.47	

71' S. 5.44
76' S. 5.46
80' S. = S. line Landis 5.60

S. Gutter line Landis

e. gutter line Marlborough.	5.47	
5' East	5.42	
10' "	5.39	
14' " = E. line Marlborough.	5.35	341.99
W. line 42 nd pav. mt. to W	5.68	341.66
" " " " " E	5.73	341.61
5' E. of W. line	5.75	
10' " " "	5.79	
14' " " " = W. gutter line 42 nd	5.82	

Rake South Gutter line Landis from W. line

42nd St. E. 341.66 to E. line Marlborough E. 341.99

00 = W. line 42 nd St.	45' W	0.02 High
5' W.	75' W	0.04 "
10' W	85' W	0.02 "
20' W.	90' W	0.02 "
30' W	95' W	0.01 Low
35' W	100' W	0.02 High
50' W	105' W	0.02 "
55' W	110' W	0.03 "

S. gutter line Landis (con)

347.34

50

115' W	0.01 High
120' W	0.02 High
130' W	0.02 "
135' W	0.04 "
140' W	0.03 "
150' W	0.04 "
155' W	0.04 "
140' W	0.04 "
165' W	0.08 "
170' W	0.07 "
180' W	0.05 "
185' W	0.01 "
190' W	0.00
200' W	0.02 low
210' W	0.04 "
215' W	0.07 "
225' W	0.03 "
235' W	0.06 low
240' W	0.03 "
250' W	0.02 "
260' W	0.01 "
265' W	0.04 "
275' W	0.04 "
280' W	0.03 "
290' W	0.02 "
295' W	0.01 low

1/2/31 Loudon.

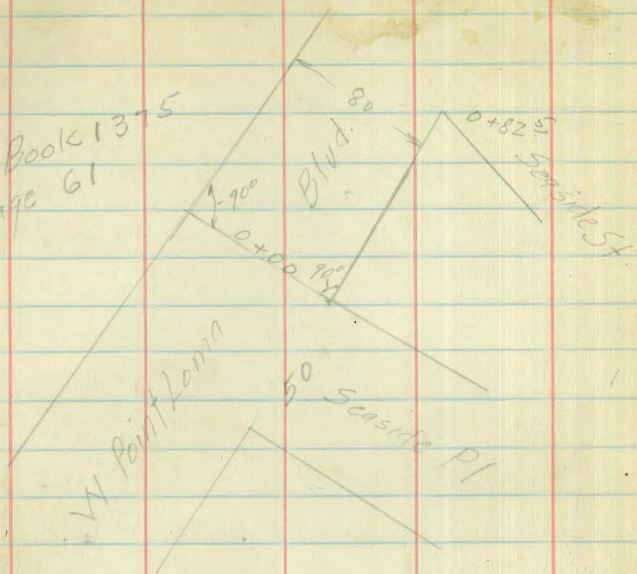
Ⓟ Sec of Fill on W. Point Lonna
Blvd N of Seaside Place.

0+00 = E.L. Seaside Pl.

51

Nail in Pit
Book 1375
p 57

See Book 1375
Page 61



T.P.	153	29.19	27.66
HON		6.5	22.7
N.L.		3.3	25.9
cb		3.54	25.7
qvt		4.22	25.0
1/4		3.72	25.5
1/4		3.38	25.8
1/4		3.28	25.9
cb Pav		3.58	25.6
+3 qvt		3.57	25.7
+3 top cb		2.97	26.2
S.L.		2.12	27.0
55		1.9	27.3
75		2.7	26.5
0+05			
75		6.4	22.8
35		3.8	25.4
S.L.		3.5	25.7
cb		3.7	25.7
1/4		3.2	26.0
1/4		3.4	25.8
1/4		3.6	25.6
cb		4.3	24.9
N.L.		3.0	26.2
40N		6.1	23.1

0+08

40N	7.3	21.9
20N	4.7	24.5
N.L.	3.2	26.0
+10	5.2	24.0
eb	5.1	24.1
1/4	3.9	25.3
±	3.3	25.9
1/4	3.2	26.0
eb	4.0	25.2
+6	3.4	25.8
SL	5.0	24.2
95	7.1	22.1

0+13

SL	7.2	22.0
+5	7.1	22.1
+12	4.3	24.9
eb	4.3	24.9
1/4	3.8	25.4
±	3.8	25.4
1/4	4.3	24.9
eb	5.9	23.3
+4	6.6	22.6
+11	5.8	23.4
N.L.	6.7	22.5
40N	11.8	17.4

0+24

40N	21.1	8.1
7N	15.3	13.9
N.L.	11.3	7.9
+5	8.7	20.5
eb	8.8	20.4
1/4	7.6	21.6
±	6.6	22.6
1/4	6.2	23.0
+3	6.9	22.3
eb	6.5	22.7
+7	8.7	20.5
SL	7.8	21.4

0+31

SL	11.4	17.8
+7	11.6	17.6
+12	9.2	20.0
eb	9.1	20.1
1/4	8.3	20.5
±	8.9	20.3
1/4	9.6	19.6
eb	10.3	18.9
+9	10.8	18.4
N.L.	13.1	16.1
52N	21.0	8.2
40N	25.7	3.5

D+36		29.19	
HON		28.8	0.4
14N		24.4	4.8
NL		14.8	14.4
+5		12.2	17.0
cb		11.8	17.4
+1		11.1	18.1
1/4		11.3	17.9
4		10.8	18.4
1/4		10.1	19.1
+6		9.8	19.4
cb		10.9	18.3
+3		10.8	18.4
+7		12.6	16.6
S.L.		14.2	15.0
D+42			
S.L.		17.7	11.5
+6		16.7	12.5
+12		12.4	16.8
cb		12.3	16.9
1/4		11.9	17.3
4		13.1	16.1
1/4		12.9	16.3
+12		12.9	16.3
T.P.	1.52	18.00	12.71
cb			16.48
		2.6	15.4

D+42		18.00	
+10		2.6	15.4
NL		5.3	12.7
16N		16.4	7.6
25N		17.7	0.3
40N		18.2	-0.2
D+50			
HON		19.3	-1.3
20N		18.2	-0.2
NL		7.5	10.5
1/4		4.9	13.1
cb		5.2	12.8
+2		4.1	13.9
1/4		3.9	14.1
+5		4.5	13.5
4		4.3	13.7
1/4		3.3	14.7
+8		2.9	15.1
cb		3.6	14.4
+3		3.8	14.2
+6		5.0	13.0
+8		7.9	10.1
S.L.		8.4	9.6
65		9.0	9.0

0+51	1800		
6S		14.3	3.7
SL		10.5	7.5
+6		8.6	9.4
+8		5.2	12.8
+11		3.9	14.1
cb		3.7	14.3
+2		3.0	15.0
1/4		3.6	14.6
1/2		4.5	13.5
+8		4.6	13.4
1/4		4.0	14.0
+11		4.3	13.7
cb		5.3	12.7
+10		5.0	13.2
NL		7.6	10.4
20N		18.3	9.7
HON		19.3	-1.3

0+55	1800		
10S		15.2	2.8
SL		11.6	6.4
+4		8.8	9.2
+9		5.3	12.7
cb		4.9	13.1
+6		4.4	13.6
1/4		4.4	13.6
1/2		5.4	12.6
1/4		5.4	12.6
+11		5.7	12.3
cb		6.1	11.9
+7		6.3	11.7
NL		9.4	8.6
15N		19.6	-1.6
20N		21.3	-3.3
	0+60		
20N		21.2	-3.2
13N		20.6	-2.6
NL		11.5	6.5
+4		10.0	8.0
+9		7.6	10.4
cb		7.4	10.6
+7		6.7	11.3
1/2		6.6	11.4
1/2		6.3	11.7

0+60 1800

S/A	5.7	12.3
cb	6.0	12.0
+5	6.1	11.9
S.L.	11.7	6.3
8.5	17.0	1.0
13.5	17.5	0.5

0+61

13.5	20.9	-2.9
S.L.	11.7	6.3
+9	6.2	11.8
cb	6.0	12.0
1/4	5.8	12.2
⊕	6.3	11.7
1/4	6.8	11.2
+L	6.8	11.2
cb	7.5	10.5
+5	7.7	10.3
+10	10.2	7.8
N.L.	11.6	6.4
13N	20.7	-2.7
20N	21.2	-3.2

0+70 1800

15.5	23.3	-5.3
S.L.	13.4	4.6
+9	7.5	10.5
cb	7.5	10.5
1/4	7.0	11.0
⊕	7.6	10.4
1/4	8.3	9.7
+10	8.8	9.2
cb	9.4	8.6
+7	10.2	7.8
N.L.	14.3	3.7
11N	21.0	-3.0
15N	21.9	-3.9

0+82⁵

15N	22.3	-4.3
7N	21.2	-3.2
N.L.	16.0	2.0
+11	7.3	8.7
cb	9.2	8.8
1/4	9.2	8.8
⊕	8.5	9.5
1/4	7.8	10.2
cb	8.5	9.5
+5	8.6	9.4
S.L.	14.6	3.4
8N	19.5	-1.5

0+90 1800

10S	22.1	-4.1
SL	17.4	0.6
cb	9.2	8.8
+2	8.6	9.4
1/4	8.5	9.5
±	9.0	9.0
1/4	9.4	8.6
cb	9.6	8.4
NL	16.4	1.6
8N	20.7	-2.7
15N	22.2	-4.2

0+98

10N	22.0	-4.0
4N	21.0	-3.0
NL	19.3	-1.3
+5	16.7	1.3
cb	9.9	8.1
1/4	9.8	8.2
±	9.1	8.9
+7	9.1	8.9
1/4	9.4	8.6
+4	10.0	8.0
cb	13.5	4.5
SL	20.4	-2.4
11S	23.4	-5.4

1+0A 1800

11S	22.5	-4.5
SL	20.7	-2.7
cb	16.7	1.3
+7	13.9	4.1
1/4	13.1	4.9
±	9.7	8.3
+10	10.0	8.0
1/4	10.7	7.3
cb	12.6	5.4
+7	17.1	0.9
NL	20.9	-2.9
10N	22.2	-4.2

1+15

10N	22.6	-4.6
NL	22.4	-4.4
+6	22.0	-4.0
cb	20.1	-2.1
1/4	17.4	0.6
+5	16.7	1.3
±	16.5	1.5
1/4	17.8	0.2
cb	20.0	-2.0
+7	21.5	-3.5
SL	22.0	-4.0

1+30 18.00

S.L.		22.1	-5.1
eb		21.9	-3.9
1/4		21.3	-3.1
¢		21.0	-3.0
1/4		21.9	-3.9
eb		22.6	-4.6
N.L.		22.8	-4.6
T.P.	12.80	30.22	0.58
TP rail to Polc		2.56	27.66

Walker
Bliss
Dobson
Northern
4.20.3)

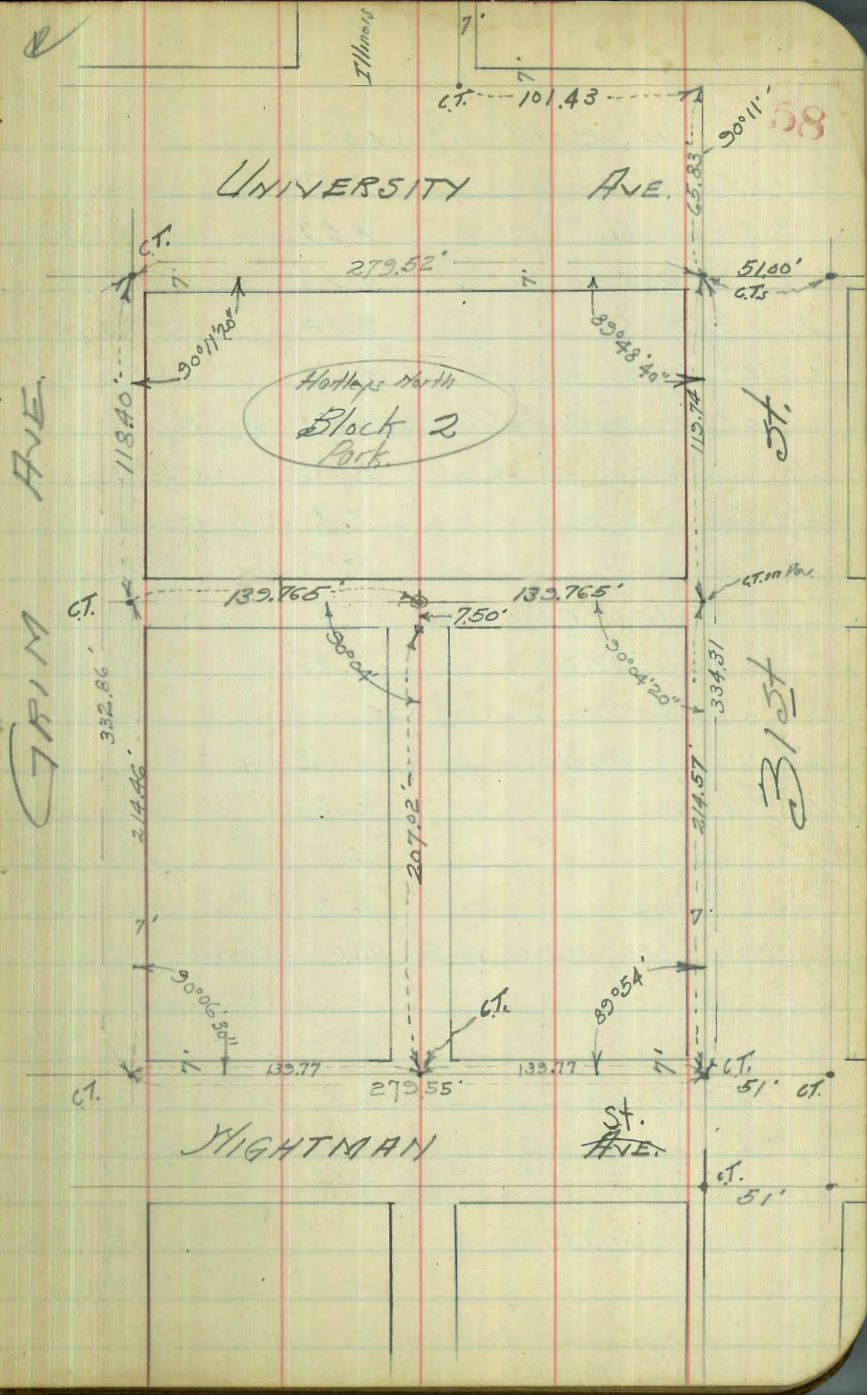
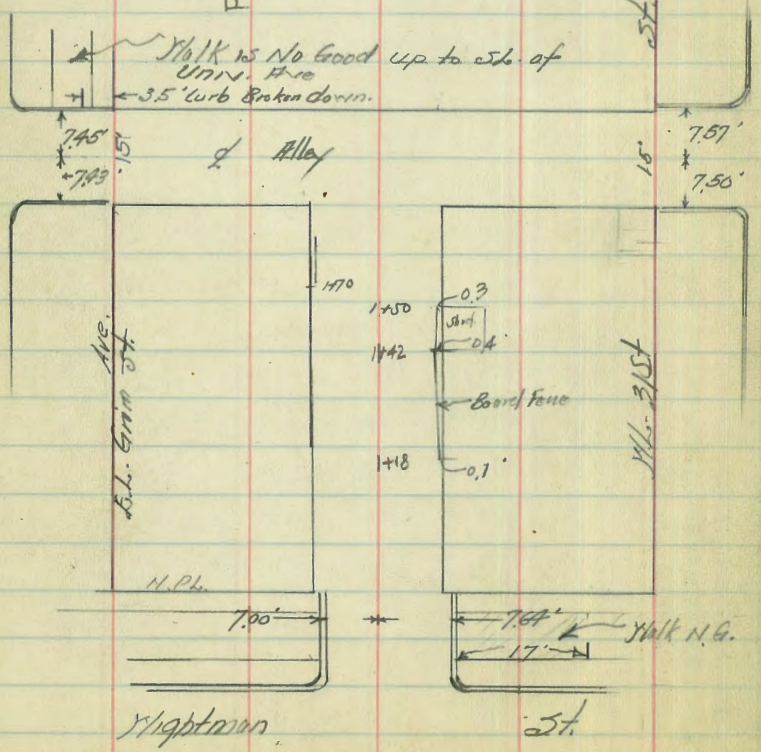
ROSS SECTION 15' T'-Alley.
IN HARTLEY'S NORTH PARK
Bet Univ. Ave and Nightman
Bet. Grim and 31st Sts.

4.99 356.69 351.64
8.71 360.45 4.89 351.74

H.C. Line Nightman St.

E. on Cb	8.75	351.70 ✓
" " Pr.	2.15	351.30 ✓
L. " "	2.21	351.24 ✓
M. " "	2.24	351.21 ✓
" " Cb	8.68	351.77 ✓

Plotted 4/22-31
M.B.



St.

N.H. Hightman = 0+00

N	+0.5' on top of	8.50	351.95
"	+0.5 " " Pav.	8.67	351.78
L	" " "	8.96	351.49
E	" " "	8.73	351.72
	+0.14 " " L	8.62	351.83
	0+13 = South end Con. Wall on West		✓
E		7.1	353.4
L		7.7	352.8
N		7.1	353.4
"	on Footing = Bottom of Wall	7.3	353.2
"	top of Wall	3.45	357.00
	0+30 Wall is 0.25' in Alley on West		
N	on top of Wall	3.12	357.33
	Face Con. Wall		
N	top of Ground	6.6	353.9
L		6.6	353.9
E		6.4	354.1
	0+40 = N end of Con. Wall on West		✓
E		6.3	354.2
L		6.4	354.1
	+7.25 = East Face Wall on Ground	6.1	354.4
	+7.25 " " " Bottom	6.5	354.0
	Rod on Floor = 5.93		354.52
	0+45 = Garage on West. Con. Floor. 17' Back.		
	0+75		
N		5.8	354.7
L		5.7	354.8
E		5.9	354.6

Rod Floor = 5.80

354.65

59

	0+58 = Garage on East 0.7' Back. on East side of Ent. Con Floor.		
	1+07 = Garage on East 3.5' Back. Con Floor. 31st St Ent.		✓
	-3.5 on Con Floor.	5.77	354.68
	E	5.6	354.9
	L	5.0	355.5
	N	5.0	355.5
	1+07 = South edge Pble. Garage on West 3.2' Back. Con Floor		✓
	N - 3.2' on Floor	4.89	355.56
	1+22 = Head Above Garage Ent. 3.5' Back. Con Floor		✓
	N - 2.5' on Con Floor	4.93	355.52
	N	5.0	355.5
	L	4.8	355.7
	+7.4' at Board Fence	5.1	355.4
	1+50 = Head Shed on East.		✓
	E + 0.3 at shed on Ground.	5.0	355.5
	L	4.9	355.6
	N	5.0	355.5
	1+70 beginning Fence on N 0.5' in Alley		✓
	N + 0.5 at Fence	4.6	355.9
	L	4.6	355.9
	E	5.0	355.5
	2+00.02 = S.L. East + West Alley		
	E	4.6	355.9
	L on Hub.	4.60	355.85
	770' at Fence	4.4	356.0
	T.P. 4.27 360.123	4.60	355.85

360.12 - T from P. 59
 Cross Section East + West Alley
 Sketch P-58

E. cb. line	Grim	Alt
South top cb.	5.95	354.57
S on Porch	5.98	354.14
L " "	5.86	354.26
N " "	5.69	354.43
" " cb.	5.17	354.95

E. L. Grim Alt = 0+00

N top of Walk	5.25	354.87
N + 0.05 on top cb.	5.06	355.06
N " Por.	5.26	354.86
L " "	5.36	354.76
+7.93 " "	5.40	354.72
+7.93 " cb.	5.23	354.89

0+25

S	4.8	355.3
L	4.6	355.5
N	4.5	355.6

0+50

N	4.3	355.8
L	4.5	355.6
S	4.5	355.6

0+82 = L Garage on North dirt Floor 4.1' Back

S	4.2	355.9
L	4.3	355.8
N	4.2	355.9
+4.1' at Garage	4.0	356.1

360.16

60

1+00

N	4.1	356.0
L	4.2	355.9
S	4.3	355.8

1+25.27 = M.H. of North + South Alley

S	3.9	356.2
L	2.1	356.0
N	3.9	356.2

1+32.76 = L North + South Alley = L M.H.

N	4.0	356.1
L on ground	4.0	356.1

L " Rim M.H.

L " Floor " "

S	4.3	355.8
---	-----	-------

1+40.27 = S.L. of North + South Alley

S	4.3	355.8
---	-----	-------

L	4.2	355.9
---	-----	-------

N	3.9	356.2
---	-----	-------

1+50 = L Garage on South 31st St. Ent. 3.4' Back

N	3.9	356.2
---	-----	-------

L	4.1	356.0
---	-----	-------

S	4.0	356.1
---	-----	-------

+3.4' at Garage	4.0	356.1
-----------------	-----	-------

1+75

S	4.0	356.1
---	-----	-------

L	3.7	356.4
---	-----	-------

N		3.2	356.9
	2+00		
N		3.2	356.9
L		3.2	356.9
S		3.7	356.4
	2+25		
S		3.6	356.5
L		3.3	356.8
N		2.9	357.2
	2+50		
N		3.2	356.9
L		3.5	356.6
S		3.3	356.8
	2+65 B = H.L. 31st St.		
S top cb.		4.47	355.65
S " Pav.		4.47	355.65
L on Paring		4.70	355.42
+7.57' = Ncb on Pav		4.43	355.69
N top cb.		4.33	355.73
	NY cb.		
N top cb.		4.46	355.66
" " Pav.		4.88	355.24
L " "		5.03	355.09
S " "		5.10	355.02
S top cb.		4.57	355.55
TP	6.51 361.99	4.64	355.48

chk. N.W. B.P. Univ. + Illinois

4.03

357.96

357.98 = BM

0.02 = Error

First st Walnut X Sec. Intersection of First + Walnut
 61.5 wide 89' wide
 10' chs 14' chs
 H.I. 6 Rdw 13' 1/2
 10.4 1/4

6-31
 Miller
 Walker
 Bliss
 Drebert

273.07

(C)

B.M. B.P. 0.98 283.85 282.87

T.P. 2.10 273.07 12.88 270.97

50' N. of N. line Walnut

E. emt. ch 2.28 270.79

gutter pavmt. 3.07 270.00

1/4 " 2.82 270.25

1/4 " 2.80 270.27

1/4 " 3.14 269.91

gutter " 3.96 269.11

W. emt. ch 3.39 269.68

25' N. of N. line Walnut = RC. 39.1 Rad. Return on W.

W. emt. ch. 3.82 269.25

gutter pavmt. 4.29 268.78

1/4 " 3.58 269.49

1/4 " 3.21 269.86

1/4 " 3.22 269.85

gutter " 3.47 269.60

E. emt. ch 2.70 270.37

18.22 N. of N. line Walnut - RC. 22.22 Prop Rad on W.

E. emt. ch 2.85 270.22

gutter pavmt. 3.59 269.48

1/4 " 3.33 269.74

1/4 " 3.32 269.75

1/4 " 3.67 269.38

gutter " 4.48 268.59

W. emt. ch 3.95 269.02

N.W. Cor 2nd
 + Walnut

+ 8' = W. = W. edge emt. walk

3.75 269.32

62

W.

3.8 269.3

W-5

5' N. of N. line Walnut.

4.4 268.7

1/4

4.0 268.1

+ 2' = W. edge emt. walk

3.99 269.08

ch

4.24 268.83

gutter pavmt. at N.W. cor catch Basin inlet.

4.74 268.31

+ 3' " " NE " " " "

4.70 268.37

1/4 "

3.85 269.22

1/4 "

3.51 269.56

1/4 "

3.46 269.61

+ 7.5' " " N.W. cor catch Basin inlet.

3.79 269.28

gutter " " NE " " " "

3.86 269.21

E. ch.

3.05 270.02

N. Line Walnut.

E. emt. ch - pavmt + S.E. Cor E. B. inlet

3.13 269.94

+ 3' " " S.W. " " " "

3.14 269.93

1/4 "

3.42 269.65

1/4 "

3.64 269.41

1/4 "

3.92 269.15

+ 7.5' " at S.E. Cor E. B. inlet.

4.35 268.72

emt. ch - " + S.W. " " " "

4.30 268.77

+ 8' W. edge emt. walk to N.

4.03 269.04

W. Inside Cor. Ret.

3.99 269.08

+ 5.

4.4 268.7

+ 22.2

5.3 267.8

273.07

4.5 of N. line Walnut = N. Edge cmt. walk

W-20.22 = P.C. Property Radius	5.28	267.79
W.	4.08	268.99

11.5 S. of N. line Walnut

11.5 W. of W. line Tree 30" diam.

22' " " " Telephone Pole 12" diam.

14.5 of N. line Walnut = N. cl.

6.4 W. of E. line First. cmt. cl	8.23	264.84
" " " " gutter pavnt	8.72	264.35

29.1 W. = P.C. 39.1 Rad. cl. Ret. on curb 6.05 267.02

" " " " " gutter pavnt 6.94 266.13

20.22 W. cmt. cl. N.G. 5.44 267.63

" " gutter pavnt 6.45 266.62

5.5 W. = cmt. cl. N.G. 4.47 268.60

5.5 W. = pavnt. at N.W. Cor. C.B. outlet. 5.77 267.30

W. = cmt. cl. 4.17 268.90

W. = pavnt at NE Cor. C.B. outlet. 4.39 268.68

Wet line on pavnt 4.35 268.72

1/4 " " 4.21 268.86

1/4 " " 4.00 269.07

1/4 " " 3.71 269.36

E. cl. " 3.40 269.67

E. line = NW Cor. C.B. inlet - pavnt + curb 3.16 269.91

+5.5 = cmt. cl 2.83 270.24

+5.5 gutter pavnt N.E. Cor. C.B. inlet. 3.34 269.73

+15. cmt. cl 2.23 270.84

+15. gutter Pavnt. 2.70 270.37

First + Walnut.

273.07

1.3 S. of N. cl.

1.3 W. of W. cl. = center cleanout with C.I. cover 24" x 24"

3.5 of N. cl

E-15' 2.59 270.48

E-5.5 pavnt. S.E. Cor C.B. inlet 3.37 269.70

E. line " S.W. " " " " 3.12 269.95

cl. on pavnt. 3.43 269.64

1/4 " " 3.74 269.33

1/4 " " 4.04 269.03

1/4 " " 4.25 268.82

cl. " " 4.37 268.70

W. line at S.E. Cor. C.B. outlet. 4.44 268.63

+5.5 pavnt. at S.W. Cor. C.B. " 5.70 267.51

+20.22 6.41 266.66

+29.1 6.85 266.22

+64. 8.61 264.46

6.5 of N. cl.

W-64' 8.48 264.59

W-29.1 6.71 266.36

W-20.22 6.28 266.79

W-5.5 5.43 267.64

W. 4.69 268.38

cl. 4.45 268.62

1/4 4.28 268.79

1/4 4.09 268.98

1/4 3.77 269.30

E. cl. 3.39 269.68

63

273.07

6' S. of N. d. (con)

E. line	3.08	269.99
+ 5.5	3.03	270.04
+ 15'	2.44	270.63
13' S. of N. d. = N. 14		
E-15'	2.10	270.97
E-5.5	2.70	270.37
E	2.89	270.18
d	3.33	269.74
14	3.79	269.28
E	4.20	268.87
14	4.48	268.59
d	4.64	268.41
W.	4.86	268.21
+ 5.5	5.19	267.88
+ 22' 22	6.04	267.03
+ 29.1	6.50	266.57
+ 64'	8.31	264.76

E. Walnut.

W-64'	7.87	265.20
W-29.1	6.34	266.73
W-22' 22	5.97	267.10
W-5.5	5.39	267.68
W	5.21	267.86
d	4.98	268.09
14	4.67	268.40
E	4.23	268.84

273.07

First. of Walnut.

14	3.74	269.63
d	3.27	269.80
E	2.80	270.27
+ 5.5	2.54	270.53
+ 15'	1.90	271.17

2.5 N. of N. line Walnut.

8.5 E. of E. line First. St. = Elec. Pole 15" diam.

64

X Sec. S. E. Cor First & Walnut

273.07

5 curb line Walnut.

25.5 E. line First St. to S. on ent. cl.	4.10	268.97
" " " " " gutter pavmt.	4.57	268.50
E-22' ent. cl.	3.96	269.11
E-22' pavmt.	4.63	268.44
E.-10 ent. cl.	5.10	267.97
E-10 pavmt.	5.50	267.57
E. ent. cl.	5.77	267.30
E. pavmt.	6.15	266.92
14' W. = E. cl. line on pavmt.	6.11	266.96
4.67 S. of N. cl. = N. edge walk.		
12.4 W. of E. line gutter pavmt.	6.38	266.69
12.3 " " " " " ent. cl. on curve.	5.80	267.27
E.	5.51	267.56
+14.6 walk o.k. to W.	4.50	268.57
+18.5	3.81	269.26
+24.5 walk o.k. to E.	3.91	269.16
10' S. of N. cl. = S. edge ent. walk		
E-24.5 walk o.k. to E.	3.91	269.16
E-18.5	3.98	269.09
E-14.6 walk o.k. to W.	4.49	268.58
E.	5.32	267.75
+14 W. = ent. cl.	5.79	267.29
+14 W. = gutter pavmt.	6.51	266.56

6-11-31
Miller
Walker
Bliss
Drebert.

273.07

14' S. of S. cl. = S. line Walnut.

(C.R.)

65

14' W. of E. line First St. = gutter pavmt	6.63	266.44
14 " " " " " = ent. cl.	5.83	267.24
E. line on inside Cor. Return	5.13	267.94
+25	3.9	269.2
20' S. of S. line Walnut.		
4.67 E. of E. cl. = W. edge walk	6.48	266.59
E. ent. cl.	6.58	266.49
E. gutter pavmt.	7.48	265.59
Set B.M. B.P.	2.95	270.12
T.P.	13.02	283.99
chk. Original B.M.	2.10	270.97
	1.12	282.87

N. E. Cor.

First & Walnut.

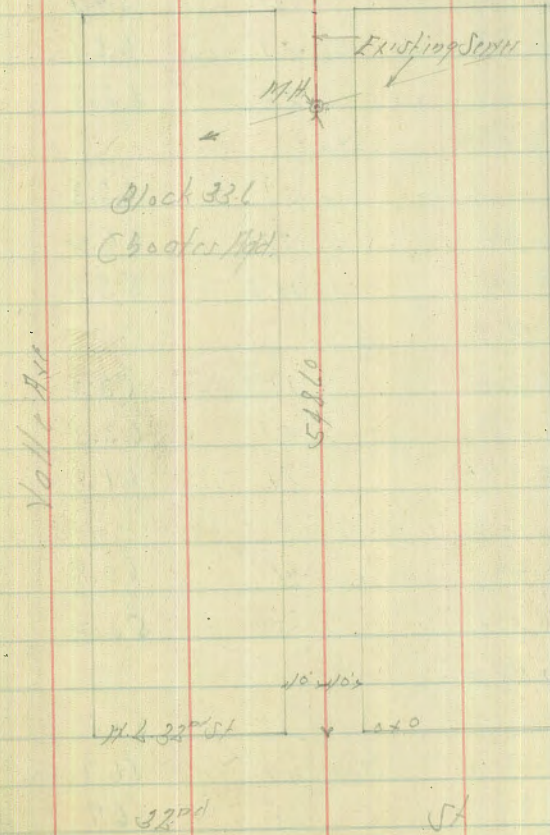
5' S. of S. line Walnut.

1.7 E. of E. cl. = F. H.

Proposed Sewer Block 336 Choate Afd.
 From 32nd to 31st St.
 Between Ocean View Blvd. + York Ave

BM	9.60	58.21	48.61	N.W. BP Woodmont 3rd
TP	11.62	58.44 68.48	139	54.82 60.33 60.37 S.W. Top Lid Woodmont 3rd
BM			811	60.70
	N.L. 32nd St			
N.L. Alley Top Cb		11.77	56.67	
↓		11.0	57.4	
	15 ft of N.L. 32nd			
↓		8.5	59.9	
11 ft of Top Exc.		6.9	61.5	
18 " " Bot. "		11.3	57.1	
	50 ft			
20 ft - Bot Exc.		12.1	56.3	
5 ft - Top "		4.7	63.7	
↓		4.9	63.5	
	100 ft			
↓		3.2	65.2	
5 ft - Top Exc.		2.5	64.9	
25 ft - Bot. "		13.1	55.3	
	150 ft			
30 ft - Bot Exc.		13.7	54.7	
12 " - Top "		0.8	67.6	
↓		1.8	66.6	
	170 ft			
↓		1.2	67.2	

7-11-31
 Board
 Street
 66
 Part 1



68.44
68.48

	200'H		
2		2.0	66.4
18'H = Top Exc.		1.3	67.1
33'H = Bot "		13.3	55.1
	240'H		
35'H = Bot. Exc		14.1	54.3
21'H = Top "		2.3	66.1
2		2.7	65.7
	248'H		
2		3.1	65.3
72'H = Top Exc.		2.2	66.2
85'H = Bot "		15.3	53.1
	300'H		
85'H = Bot Exc		15.2	53.2
75'H = Top "		5.1	63.3
2		6.6	61.8
	310'H		
2		7.6	60.8
75'H = Top Exc		15.2	53.2
	350'H		
50'S		11.7	56.7
2		11.7	56.7
50'H		11.5	56.9
TP	0.83	56.53 56.57	55.70 55.74
	380'H		
2		8.6	52.9

56.53
~~56.57~~

67

	400'H		
50'S		2.3	54.2
2		6.0	50.5
50'H		2.0	54.5
	425'H		
2		8.2	48.3
	450'H		
2		12.1	44.4
	475'H		
50'S		10.2	46.3
2		13.6	42.9
50'H		12.4	44.1
TP	0.02	43.78 43.82	43.75 43.79
	485'H		
2		3.5	40.3
	490'H		
2		1.8	42.0
	500'H		
2		2.1	41.2
	520'H		
20'S		10.4	33.4
2		1.5	39.3
24'H		0.9	42.9

43.78

~~43.82~~

54261 = Existing Man Hole

L on MH Box	12.08	31.7
Flap Line	19.18	24.60
TP 830	49.99	41.69
	50.03	41.73
BM 1	137	48.62
		48.66

NW 3 P
 0000244000
 43.81
 48.61

15' wide X Sec. Alley BIK. 17 Normal Hts

9-25-31
Miller
Walter
Bliss
Sisson
SE Copley
#34th

BM. B.P. 6.62 398.80 392.18

12' N. of S. Line Copley = S. d.
HI 398.80

W. emt. ch	6.14	392.66
W gutter pavmt.	6.47	392.33
± " "	6.44	392.36
E " "	6.49	392.31
E. emt. ch.	6.09	392.71

00 = S. Line Copley

E. Line + 0.15	emt. ch.	5.65	393.15
" " "	pavmt	5.81	392.99
± " "	"	6.12	392.68
W. " "	"	5.94	392.86
W. " "	emt. ch.	5.78	392.92

4'.5

W	5.0	393.8
E	5.5	393.3
E	5.0	393.8

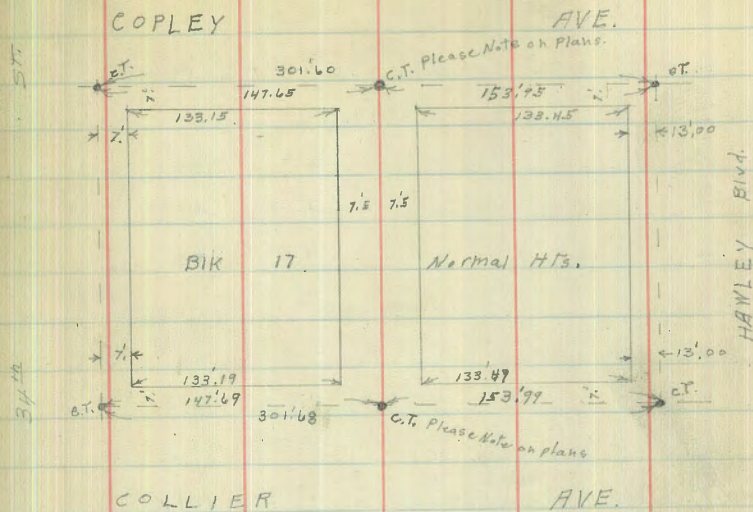
10'.5

E	4.7	394.1
±	4.9	393.9
W	4.6	394.2

23'.5

W	4.4	394.4
±	4.5	394.3
E	4.6	394.2

Plotted FEB 9-30-31



	398.80	
	33.5	
E	4.1	394.7
±	4.0	394.8
W	4.0	394.8

From S. Line Copley to 31'.5. Cypress Hedge. W. edge Trees

on E. Line Alley

43'.5. Garage on E. emt. floor 4.1 Back

E-4.1 floor 4.1 394.7

From 50'.5. To 150'.5. Cypress Hedge on E.

W. edge Trees. 0.5 in. Alley.

398.80

70'S.

W	4.0	94.8
E	4.1	94.7
E	4.4	94.4

100'S

E	4.6	94.2
E	4.2	94.6
W	4.1	94.7

150'S

W	4.0	94.8
E	4.0	94.8
+5	4.5	94.3
T.P.	4.67	399.15
E	4.32	394.48

200'S

E	5.1	94.1
E	4.8	94.4
W	4.7	94.5

245'S.

W	4.9	94.3
E	5.0	94.2
E	5.0	94.2

270'S.

E	4.5	94.7
E	4.6	94.6
W	5.0	94.2

399.15

287'S

W	5.1	94.1
E	5.0	94.2
E	4.7	94.5

310'S.

E	4.8	94.4
E	4.5	94.7
W	4.4	94.8

340'S

W	4.5	94.7
E	4.8	94.4
E	4.7	94.5

362'E. garage on E. cnt. floor H.S. Back

E-4.5 floor	4.14	95.01
E	4.8	94.4
E	5.0	94.2
W	4.6	94.6

400'S

W	4.4	94.8
+5	4.9	94.3
E	4.9	94.3
E	4.7	94.5

435'S

E	4.4	94.6
E	4.8	94.4
W	4.6	94.6

Hilley BIK. 17-Normal Hts

70

399.15

465'.3

W	4.6	94.6
+5	5.0	94.2
±	5.1	94.1
E	5.1	94.1

485'.5

E	4.7	94.5
±	4.7	94.5
W	4.3	94.9

493.5 Fence on E. line

500'.5 Fence on E. 0.2 in Alley

W	4.4	94.8
±	4.5	94.7
E	4.3	94.9

520'.5 garage on W. dirt floor 0.7 Back
520'.5 Fence on E. 0.4 in Alley

+E	4.5	94.7
±	4.6	94.6
W	4.7	94.5
+0.7 floor	4.7	94.5

542'.5 { Fence on E. 0.4 in Alley.
garage on W. dirt floor 0.5 Back

W-0.5	4.6	94.6
W	4.6	94.6
±	4.8	94.4
E	4.7	94.5

560'.5 Fence on E. 0.2 in Alley.

E	4.3	94.9
±	4.4	94.8
W	4.5	94.7

399.15

Alley BIK 0.7 Normal Hts

570'.5 Fence on E. 0.2 in Alley

W	5.2	94.0
±	5.2	94.0
+3	5.2	94.0
+5	4.8	94.4
E	4.9	94.3

580'.5 S. End. Fence on E. 0.4 in Alley

E	5.3	93.9
+2.5	5.3	93.9
+3	5.7	93.5
±	5.6	93.6
W	5.5	93.7

589'.5

W	5.5	93.7
±	5.8	92.4
+3	6.0	93.2
+5	5.6	93.6
E	5.6	93.6

597'.5

E	6.0	93.2
+2	6.9	92.3
±	7.1	92.1
+6	7.1	92.1
W	6.4	92.4

71

399.15

600.3 = N. Line. Collier

W.	cont. ch	7.12	92.03
W.	paymt.	7.24	91.91
±	"	7.41	91.74
+7.18 =	"	7.21	91.94
+7.18	cont. ch	7.00	92.15

12' S. of N. Line = N. ch. of Collier

E. ch.		7.45	91.20	
E. gutter paymt.		8.07	91.08	
±	" "	8.07	91.08	
W	" "	8.11	91.04	
W. ch.		7.62	91.53	
T.P.	376	378.24	4.67	394.48
chk. original BM.			4.87	372.17

15' wide.

X Sec E+W. Alleg BIK 44 Normal HTs

7-25-31
Miller
Walker
Bliss
Sisson

s.e. Adams
& Cherokee

B.M. B.R. 1.69 387.47 385.78

12' N. of E. line = c. el. Cherokee

H.I. 389.47

N. cont. el. 2.04 385.43

N. gutter parmt. 2.47 385.00

♀ " " 2.47 385.00

S. " " 2.54 384.93

S. cont. el. 2.22 385.25

oo = E. line Cherokee

S. cont. el. 1.86 385.61

S. parmt. 1.98 385.49

♀ " 2.00 385.47

N " 1.71 385.26

N. cont. el. 1.65 385.82

10' E

N 2.7 384.8

♀ 2.7 84.8

+6 2.8 84.7

S 3.6 83.9

+5 3.7 83.8

40' E

-5 4.7 82.8

S 4.8 82.7

+2 4.5 83.0

♀ 4.5 83.0

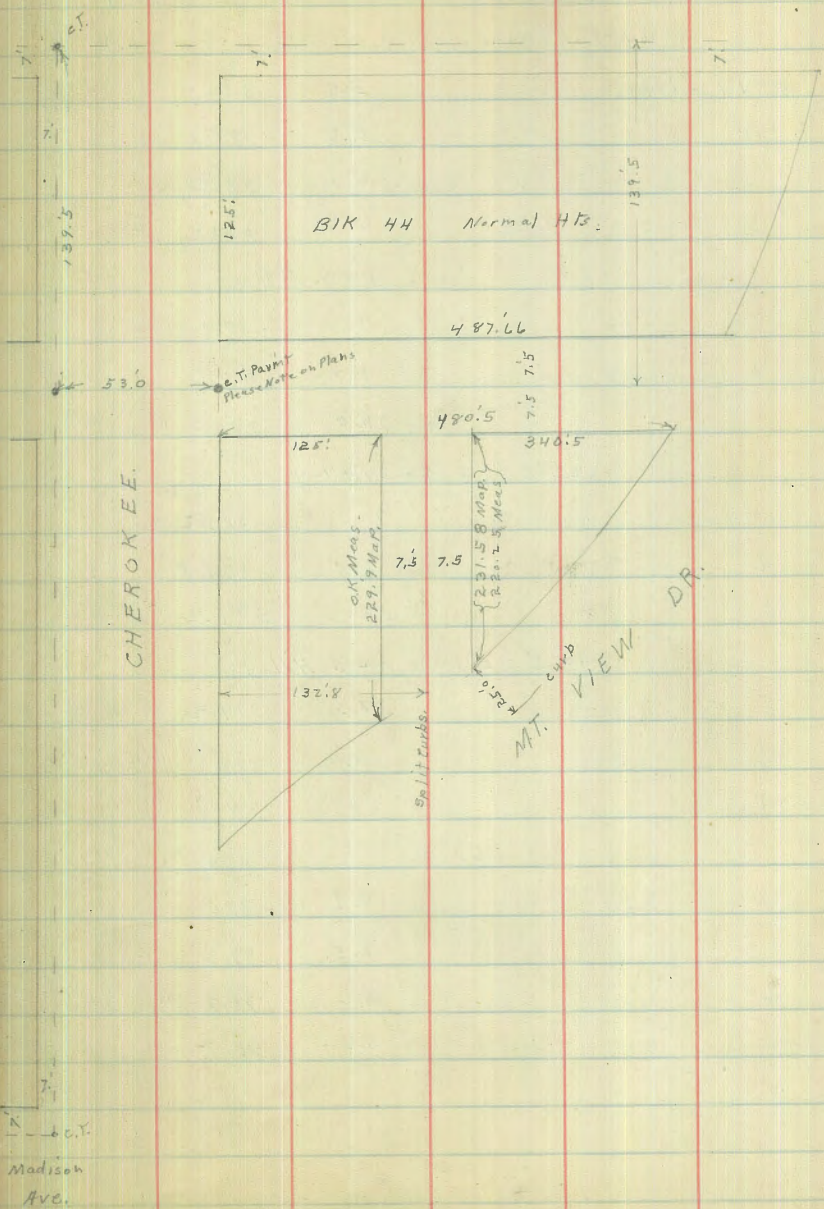
+4 4.5 83.0

N 4.0 82.5

Plotted A.E.B. 9-30-31

ADAMS AVE

73



387.47

From 50'.E. to 87'.E. Fence on N. 0.5 in Alley

94'.E. garage on N. dirt floor 1.1 Back

N-1.1 floor 5.4 381.7

N 5.8 381.7

Φ 6.2 381.3

S 6.3 381.2

125'.E = W. Line N+S, Alley

S 7.6 379.9

Φ 7.7 379.8

N 7.0 380.5

132'.E = Φ N+S, Alley

N 7.3 380.2

Φ 7.7 379.8

S 8.3 379.2

140'.E = E. Line N+S, Alley

S 8.3 379.2

Φ 8.0 379.5

N 7.5 380.0

160'.E.

N 7.9 79.6

+2 8.5 79.0

Φ 8.6 78.9

S 8.6 78.9

387.47

185'.E

Alley BIK 44 Normal H Ts.

74

S 9.9 77.6

+2 9.4 78.1

Φ 9.6 77.9

N 9.0 78.5

207'.E = garage on N. dirt floor 8' Back

N-8 floor 8.6 78.9

N 9.5 78.0

Φ 10.1 77.4

S 10.2 77.3

235'.E.

S 10.8 76.7

Φ 10.3 77.2

N 10.2 77.3

266'.E.

N 10.4 77.1

Φ. M.H. Rim 10.8 76.7

S 11.1 76.4

298'.E. garage on S dirt floor 10' Back

S-10 floor 12.0 75.5

S 11.6 75.9

Φ 11.4 76.1

+6 11.1 76.4

N 10.5 77.0

387.47

330' E.

N.		11.0	76.5
⊥		11.4	76.1
S.		11.4	75.9
	342' E garage on N. cnt. floor	9.3	Back.
S		11.6	75.9
⊥		11.6	75.9
N on ground.		11.6	75.9
T.P.	4.30	11.43	376.04
+ 0.5 - S. end cnt. & Prou		5.05	376.29 Buried
+ 9.3 floor		3.82	376.52
	356' E garage on N. wood floor	11.3	Backs
N-11.3 floor		4.4	75.9
	390' E		
N		4.6	75.7
⊥		4.8	75.5
S.		4.9	75.4
	405' E garage on S. cnt. floor	5.1	Back
S-5.1 floor		5.2	75.1
S		5.2	75.1
⊥		4.9	75.4
N.		4.7	75.6
	420' E		
N		5.1	75.2
⊥		5.1	75.2
S		5.2	75.1

Alley BIK 44 Normal Hts.

380.34

435' E.

75

S		5.3	75.0
⊥		4.8	75.5
N		5.2	75.1
	444' E garage on N. dirt floor 2' 1' Back		
N-2' floor		5.3	75.0
N/		5.3	75.0
⊥		5.2	75.1
S.		5.3	75.0
	477' E		
S.		6.2	74.1
⊥		6.2	74.1
N		6.0	74.3
	487.9 E. on N. } W. End. cl. & Pavmt. W. Line Mt. View Ave		
	420.8 E " 3		
N. cnt. cl.		6.49	373.85
N. pavmt.		6.75	373.59
⊥ "		7.09	373.25
S "		7.20	373.14
S. cnt. cl.		6.84	373.50
	25' E. of W. Line = W. cl. Mt. View Ave		
S. cnt. cl.		7.02	373.32
S. pavmt.		7.65	372.69
⊥ "		7.43	372.91
N. "		7.31	373.03
N. cnt. cl.		6.90	373.44

π 380.34 Page 75

70'.5

00 = S. Line E. + W. Alley #1 = 380.34

W.	0.4	379.9
φ	1.1	379.2
E.	1.1	379.2
T.P.	4.75	384.38
	0.71	379.63

6'.5. garage on W. dirt floor 0.4 Back.

z	5.6	78.8
φ	5.5	78.9
W	5.0	79.4
+0.4. floor	5.0	79.4

40'.5

W.	6.2	78.2
φ	6.0	78.4
E	6.1	78.3

47'.5

E	6.5	77.9
+2	5.7	78.7
φ	5.4	79.0
+4	5.4	79.0
W	6.2	78.2

55'.5

W.	5.7	78.7
φ	6.2	78.2
E.	6.3	78.1

Plotted AFE B 9-30-31

E	5.5	78.9
φ	5.5	78.9
W	5.3	79.1

129'.5 garage on E. ent. floor 23.4 Back

W	4.6	79.8
φ	4.9	79.5
+6.2 W. edge	4.98	79.40
E.	5.05	79.33
+23.4 floor	5.93	79.45

134'.5. garage on W. dirt floor 7.7 Back

W + 7.7 floor	4.2	80.2
---------------	-----	------

150'.5

E	5.1	79.3
φ	4.9	79.5
W	4.3	80.1

125'.5

W.	3.4	81.0
+4	4.7	79.7
φ	5.0	79.4
E	5.1	79.3

200'.5

E	5.2	79.2
φ	4.9	79.5
+3	4.7	79.2
+4	3.9	80.5
W.	3.0	81.4

76

384.38
220.255,

W	4.3	80.1
rs	5.0	79.4
ϕ	5.2	79.2
E. dirt	4.5	79.9

220.255 on E }
229.9 " " W } N. Line Mt View Dr.

E. cont. cl	5.27	79.11
E. pavmt	5.45	78.93
ϕ "	5.44	78.94
W "	5.10	79.28
W. cont. cl.	4.60	79.78

25' S. of N. Line = X. ch. Mt. View Dr.

W. cont. cl	4.56	79.82
W. pavmt.	5.40	78.98
ϕ "	5.64	78.74
E "	6.06	78.32
E. cont. cl.	5.52	78.86

T.P. 9.34 389.01 4.75 379.63

chk original BM. 3.23 385.78 = 385.78

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope $1\frac{1}{2}$ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body

IMPROVED TABLES AND INFORMATION

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius. The distance from a point on the tangent to given tangent (or external) by dividing tangent (or external) opposite A by Degree of curve with a given L may be found add correction found in column of corrections any other degree, divide by degree of curve and To find Tangent and External for curve of

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope $1\frac{1}{2}$ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE No. 9.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections.

Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

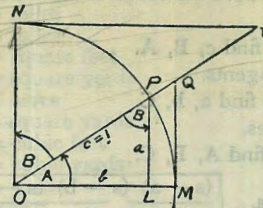


TABLE II
TRIGONOMETRIC FORMULÆ.

$$\angle A = \angle MOP \quad \angle B = \angle PON = \angle OPL$$

$$R = OB = c = 1$$

$$\sin A = \frac{a}{c} = \frac{a}{1} = a = \cos B = LP$$

$$\cos A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$$

$$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$$

$$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$$

$$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$$

$$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$$

$$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B \#$$

$$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$$

$$\text{exsec } A = PQ = \text{coexsec } B$$

$$\text{coexsec } A = PT = \text{exsec } B$$

$$\sin \frac{1}{2} A = \sqrt{\frac{1 - \cos A}{2}} \quad \cos \frac{1}{2} A = \sqrt{\frac{1 + \cos A}{2}}$$

$$\sin 2A = 2 \sin A \cos A \quad \cos 2A = \cos^2 A - \sin^2 A$$

$$\text{Law of Sines} \quad \frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

$$\text{Law of Cosines} \quad c^2 = a^2 + b^2 - 2ab \cos C$$

$$\text{Law of Tangents} \quad \frac{a+b}{a-b} = \frac{\tan \frac{1}{2}(A+B)}{\tan \frac{1}{2}(A-B)}$$

169 16
169 80
33950

TABLE X.
MIDDLE ORDINATES OF RAILS
Length of Rail (feet)

C	R	30	28	26	24	22	20	C	R	30	28	26	24	22	20
o /	Feet	Inch	Inch	Inch	Inch	Inch	Inch	o	Feet	Inch	Inch	Inch	Inch	Inch	Inch
0-20	17189	.08	.07	.06	.05	.04	.03	8	716.8	1.88	1.64	1.42	1.20	1.01	.84
0-40	8594	.16	.14	.12	.10	.08	.07	9	637.3	2.12	1.84	1.60	1.35	1.14	.94
1-0	5730	.24	.20	.18	.15	.13	.10	10	573.7	2.36	2.05	1.78	1.50	1.27	1.04
1-20	4297	.31	.27	.23	.20	.17	.13	11	521.7	2.59	2.26	1.95	1.65	1.39	1.15
1-40	3438	.39	.34	.29	.25	.21	.17	12	478.3	3.83	2.47	2.15	1.81	1.54	1.26
2-0	2865	.47	.41	.35	.30	.25	.20	13	441.7	3.05	2.66	2.30	1.96	1.66	1.36
2-20	2456	.55	.48	.41	.35	.29	.23	14	410.3	3.30	2.87	2.48	2.10	1.78	1.46
2-40	2149	.63	.55	.47	.40	.33	.27	15	383.1	3.54	3.08	2.68	2.26	1.91	1.57
3-0	1910	.71	.62	.53	.45	.38	.31	16	359.3	3.76	3.28	2.83	2.40	2.04	1.67
3-20	1719	.78	.68	.59	.50	.42	.35	17	338.3	4.00	3.48	3.02	2.57	2.16	1.78
3-40	1563	.86	.75	.65	.55	.46	.38	18	319.6	4.21	3.67	3.18	2.70	2.28	1.87
4-0	1433	.94	.82	.71	.60	.50	.42	19	302.9	4.45	3.89	3.36	2.86	2.41	1.98
4-20	1323	1.02	.89	.77	.65	.55	.45	20	287.9	4.70	4.09	3.55	3.00	2.54	2.09
4-40	1228	1.10	.96	.83	.70	.59	.48	22	262.0	5.16	4.44	3.84	3.30	2.80	2.29
5	1146	1.18	1.03	.89	.75	.63	.52	24	240.5	5.64	4.92	4.20	3.59	3.04	2.50
6	955.3	1.41	1.23	1.06	.90	.76	.62	26	222.3	6.07	5.29	4.58	3.88	3.29	2.70
7	819.0	1.65	1.44	1.24	1.05	.89	.73								

TABLE XI.
SHORT RADIUS CURVES

Radius Feet	Chord Feet	Central Angle	Deflection Angle	Deflection for 1 Foot
35	10	16-26	8-13	49.3
45	10	12-46	6-23	38.3
50	15	17-16	8-38	34.5
60	15	14-22	7-11	28.8
75	15	11-30	5-45	23.0
100	20	11-30	5-45	17.3
120	20	9-34	4-47	14.3
150	20	7-39	3-49	11.5
190	25	7-32	3-46	9.15
200	25	7-10	3-35	8.6
225	25	6-25	3-12	7.7
240	25	5-58	2-59	7.2
250	25	5-44	2-52	6.9
275	25	5-12	2-36	6.2
288	50	9-58	4-59	6.0
300	50	9-32	4-46	5.7
350	50	8-12	4-06	4.9
376	50	7-40	3-50	4.6
400	50	7-10	3-35	4.3
410	50	7-00	3-30	4.2

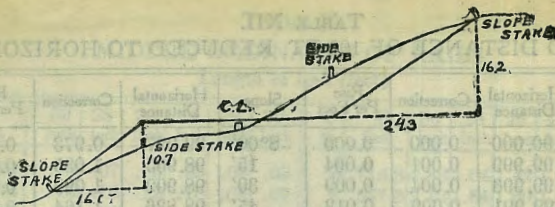
To find length of curve divide angle from P. C. to P. T. by central angle of chord, and multiply by length of chord.

TABLE XII.
INCLINED DISTANCE OF 100 FT. REDUCED TO HORIZONTAL

Slope	Horizontal Distance	Correction	Rise Per Foot	Slope	Horizontal Distance	Correction	Rise Per Foot
0°00'	100.000	0.000	0.000	8°00'	99.027	0.973	0.139
15'	99.999	0.001	0.004	15'	98.965	1.035	0.143
30'	99.996	0.004	0.009	30'	98.902	1.098	0.148
45'	99.991	0.009	0.013	45'	98.836	1.164	0.152
1 00	99.985	0.015	0.017	9 00	98.769	1.231	0.156
15	99.976	0.024	0.022	15	98.700	1.300	0.161
30	99.966	0.034	0.026	30	98.629	1.371	0.165
45	99.953	0.047	0.031	45	98.556	1.444	0.169
2 00	99.939	0.061	0.035	10 00	98.481	1.519	0.174
15	99.923	0.077	0.039	15	98.404	1.596	0.178
30	99.905	0.095	0.044	30	98.325	1.675	0.182
45	99.885	0.115	0.048	45	98.245	1.755	0.187
3 00	99.863	0.137	0.052	11 00	98.163	1.837	0.191
15	99.839	0.161	0.057	15	98.079	1.921	0.195
30	99.813	0.187	0.061	30	97.992	2.008	0.199
45	99.786	0.214	0.065	45	97.905	2.095	0.204
4 00	99.756	0.244	0.070	12 00	97.815	2.185	0.208
15	99.725	0.275	0.074	15	97.723	2.277	0.212
30	99.692	0.308	0.078	30	97.630	2.370	0.216
45	99.657	0.343	0.083	45	97.534	2.466	0.221
5 00	99.619	0.381	0.087	13 00	97.437	2.563	0.225
15	99.580	0.420	0.092	15	97.338	2.662	0.229
30	99.540	0.460	0.096	30	97.237	2.763	0.233
45	99.497	0.503	0.100	45	97.134	2.866	0.238
6 00	99.452	0.548	0.105	14 00	97.030	2.970	0.242
15	99.406	0.594	0.109	15	96.923	3.077	0.246
30	99.357	0.643	0.113	30	96.815	3.185	0.250
45	99.307	0.693	0.118	45	96.705	3.295	0.255
7 00	99.255	0.745	0.122	15 00	96.593	3.407	0.259
15	99.200	0.800	0.126	15	96.479	3.521	0.263
30	99.144	0.856	0.131	30	96.363	3.637	0.267
45	99.087	0.913	0.135	45	96.246	3.754	0.271

TABLE XIII.
MINUTES IN DECIMALS OF A DEGREE.

0 30"	.00833	10 30"	.17500	20 30"	.34167	30 10"	.50833	40 30"	.67500	50 10"	.84167
1 00	.01667	11 00	.18833	21 00	.35000	31 00	.51667	41 00	.68333	51 00	.85000
20	.02500	30	.19167	30	.35833	30	.52500	30	.69167	30	.85833
2 00	.03333	12 00	.20000	22 00	.36667	32 00	.53333	42 00	.70000	52 00	.86667
30	.04167	30	.20833	30	.37500	30	.54167	30	.70833	30	.87500
3 00	.05000	13 00	.21667	23 00	.38333	33 00	.55000	43 00	.71667	53 00	.88333
30	.05833	30	.22500	30	.39167	30	.55833	30	.72500	30	.89167
4 00	.06667	14 00	.23333	24 00	.40000	34 00	.56667	44 00	.73333	54 00	.90000
30	.07500	30	.24167	30	.40833	30	.57500	30	.74167	30	.90833
5 00	.08333	15 00	.25000	25 00	.41667	35 00	.58333	45 00	.75000	55 00	.91667
30	.09167	30	.25833	30	.42500	30	.59167	30	.75833	30	.92500
6 00	.10000	16 00	.26667	26 00	.43333	36 00	.60000	46 00	.76667	56 00	.93333
30	.10833	30	.27500	30	.44167	30	.60833	30	.77500	30	.94167
7 00	.11667	17 00	.28333	27 00	.45000	37 00	.61667	47 00	.78333	57 00	.95000
30	.12500	30	.29167	30	.45833	30	.62500	30	.79167	30	.95833
8 00	.13333	18 00	.30000	28 00	.46667	38 00	.63333	48 00	.80000	58 00	.96667
30	.14167	30	.30833	30	.47500	30	.64167	30	.80833	30	.97500
9 00	.15000	19 00	.31667	29 00	.48333	39 00	.65000	49 00	.81667	59 00	.98333
30	.15833	30	.32500	30	.49167	30	.65833	30	.82500	30	.99167
10 00	.16667	20 00	.33333	30 00	.50000	40 00	.66667	50 00	.83333	60 00	1.00000



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

SLOPE 1 1/4 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.

450.00
 6.37
 456.37
 2.94
 453.43
 9.68
 463.11
 0.39
 462.72
 0.35
 463.07
 13.10
 449.97
 0.08
 450.05
 6.09
 443.96
 450.05
 13.05
 437.00
 0.19
 437.19
 12.87
 424.32
 0.59
 424.91
 13.06
 411.85
 0.11
 411.96
 12.89
 399.08
 12.9
 400.37
 12.99
 387.38

388.38
 3.92
 384.50
 275.45
 6.61
 269.45

T- 147.44-PC

8-31.30-EC-489°51'-R.S.E.

T- 36.9-PC

10-36-33-EC-Δ 30°13'-R.S.E. 690'

T- 40.60-PC

10-31.58-EC-Δ 86°17'-R.S.E. 210'

T- 252.25-PC

8-27.13-EC-489°24'-R.S.E. 140'

T- 147.03-PC

8-25.85-EC-438°00'-R.S.E. 310'

T- 55.15-PC

8-27-36-EC-452°18'-R.S.E. 240'

T- 158.35-PC

10-33.60-EC-Δ 62°10'-R.S.E. 310'

T- 405.27-PC

12-32.27-Δ 22.16-R.S.E. 990'

T- 38.80-PC

16-29.50-EC-Δ 22.18-R.S.E. 990'

T- 702.35

690.35

139765
27930
14
26533

134.77
78
132.27
CITY OF SAN DIEGO

338.64

+ 6.45

345.09 ✓

- 1.92

343.17 ✓

+ 4.08

347.25 ✓

- 3.23

343.97 ✓

+ 5.71

349.68 ✓

- 1.80

347.88 ✓

+ 4.99

352.87 ✓

8.99

343.88

199765
30

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147.44

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27525
12

27845
16

27243

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8 44 55

11.4

17.4

8.62

444.07

499

ENGINEERING DEPARTMENT
CITY OF SAN DIEGO
CALIFORNIA