

400
LEVEL
F.B.287

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

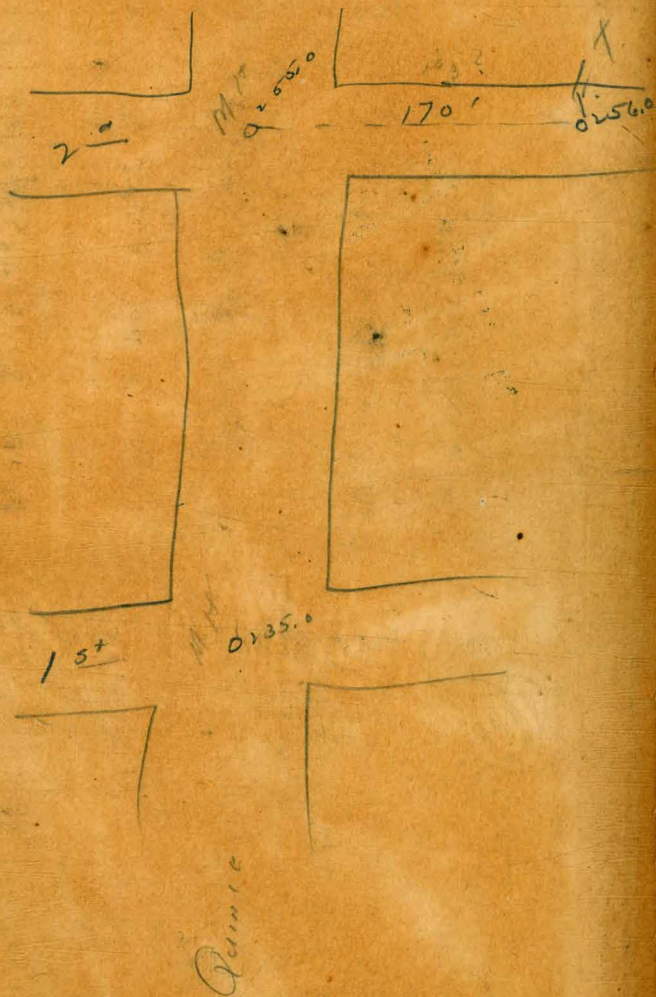
MINUTES	LKS.	MINUTES	LKS.	MINUTES	LKS.
1	2 1/4	21	49	41	95 2/3
2	4 1/2	22	51 1/3	42	98
3	6 3/4	23	53 2/3	43	100 1/3
4	9	24	56	44	102 2/3
5	11 1/3	25	58 1/3	45	105
6	13 1/2	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/2	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/2	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 2/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

Return to City Engineers Office
City Hall, San Diego, Cal.

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07



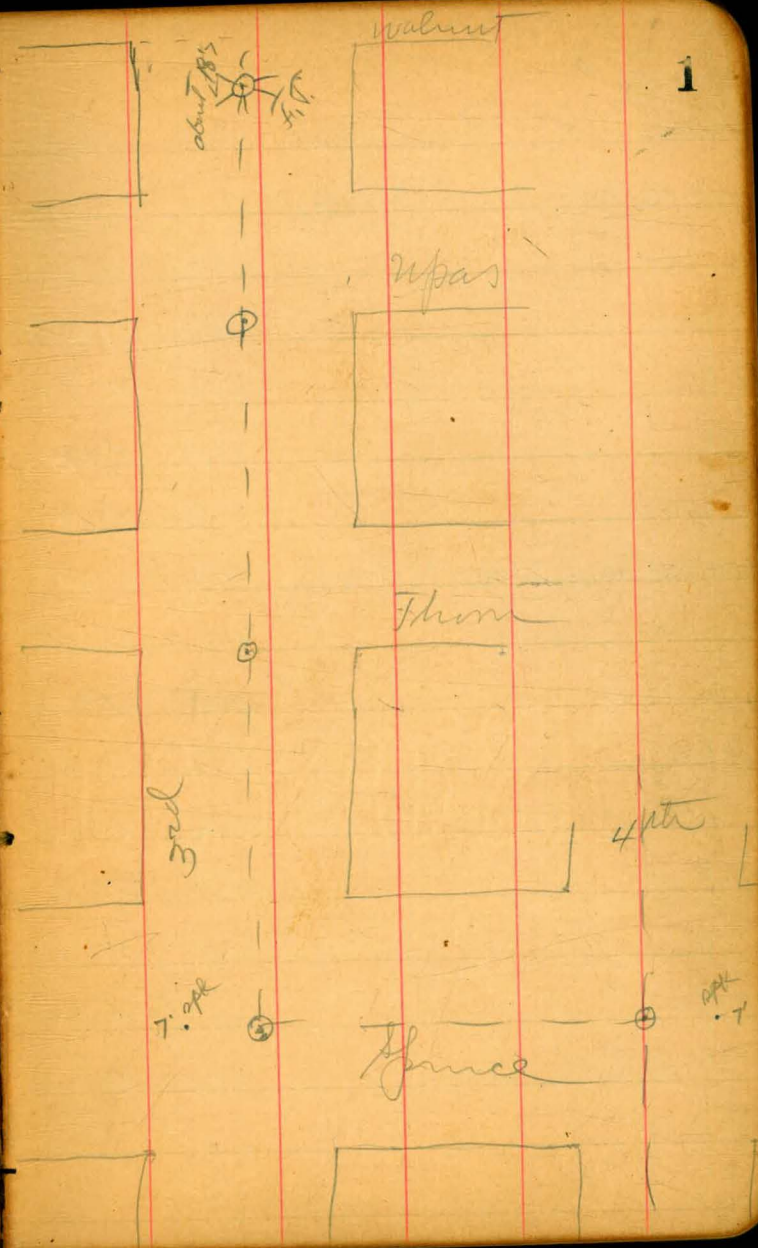
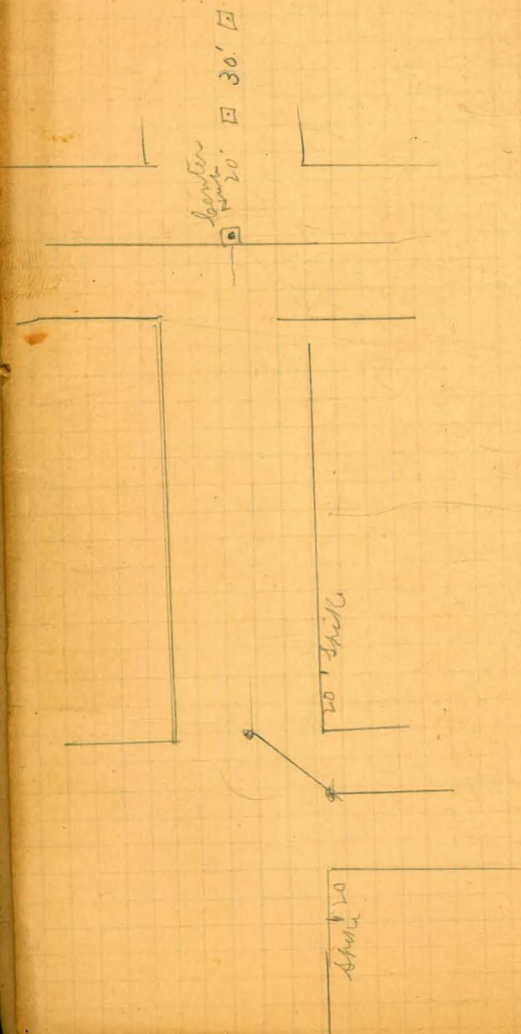
29 St.

268.11 NE Cor. of - til Pale. (Redwood)

277.03 NE " " " " (Shore)

Bm 247.23 Top of hill at center of
R W + 1st

268.11 NE 2 + RW



3rd St. & Spruce St. Sewer

2

B.M. 75.5
H.S. Cor
Thompson
Sp. 10.00
278.02

Sta	POSTED	H.I.	Rod	Grade	at	0.94	278.96	
0+00	M.H. Center 1st	277.53		267.3	✓			
+50			5.5	272.0	✓	4.2		
1+00			4.8	272.7	✓	4.4		
+50			4.8	272.7	✓	4.0		
2+00			4.1	273.4	✓	4.2		
+50			3.9	273.6	✓	3.9		
+80.6	M.H. Center 3rd Spruce	274.7	2.8	270.0	✓	4.7	6.66	2770.3
3+00			8.1	275.6	✓	5.4		
+50			6.4	277.3		6.5		
4+00			5.8	277.9	✓	6.5		
+50			5.2	278.5	✓	6.5		
5+00			4.7	279.0	✓	6.4		
+50			4.1	279.6	✓	6.4		
6+00			3.5	280.2	✓	6.5		
+21.4	M.H. 2nd Spruce	280.6	3.1	274.0	✓	6.6		

267.54 267.78 268.26
11.42 11.18 10.70
280.46

POSTED

Sta.	H.I.	Rod	Ground	Grade	Out				
6+50		2.8	280.9	274.30✓	6.6	277.03 8.90 285.93	274.00 1.93	274.30 11.63✓	274.82 11.11
7+00		2.5	281.2	274.82✓	6.4	275.35 10.50✓	275.87 1.06✓		
+50		2.2	281.5	275.35✓	6.2	277.39 2.04 283.32	276.40 10.71	276.92 10.19	
8+00		1.7	282.0	275.87✓	6.1	275.83 11.26 287.09	277.45 9.66	7.86	
+50		1.3	282.4	276.40✓	6.0				
9+00		0.9	282.8	276.92✓	5.9				
+50		0.56	283.1	277.45✓	5.7	5.44	288.57	0.36	283.13
10+00	M.H. Soline yfao	4.8	283.8	278.00	5.8	280.46 7.87 288.33	13.07 10.01	278.32 9.48	278.85
+50		4.7	283.9	278.41	5.5	279.28 9.05	279.72 9.61✓	280.00 8.33	
11+00		4.3	284.3	278.85✓	5.5				
+50		3.7	284.9	279.28✓	5.6				
12+00		3.1	285.5	279.72✓	5.8				
+32	F.I. about 180 ft walnut.	2.9	285.7	280.0	5.7				

POSTED

I 1st Street & Palm
Note - stakes on 4' offset from Palm

0+00	M.H. Front & Palm	238.09		
+50		10.4	237.69	
1+00	8"	6.1	237.08	
+50		2.3	235.8	
2+00		0.7	235.28	
+38.5	M.H. Center Palm	0.7	235.28	
+95.8	M.H. center Palm	3.6	240.5	250.15
3+00		3.3	240.5	
3+50		2.6	240.5	
4+00		2.9	240.5	
4+50	8"	4.4	245.8	
5+00		5.0	245.15	
+50		5.1	245.20	
6+00		6.0	244.15	
+36.6	M.H. Center of 9' lane	4.007	243.86	247.93
+50		4.25	243.8	
7+00	6"	6.61	241.3	

from 1st to Front
Jan. 13, 1907

214.53	300	192-3	0.71	258.09	257.38
214.5	95		242.16	254.10	234.50
			5.74	10.10	13.67
217.36	10.3		247.90		
			233.91	233.62	233.32
222.07	11.3		13.99	14.28	16.93
			1.70		
224.08	11.7		246.20	246.20	
			4.05		
227.49	210.0		250.25		
			0.35		
230.0	7.4		247.60	233.00	230.00
				14.00	17.60
233.0	12.6		292	250.5	247.25
233.03	13.9	0.36	268.47		268.13
233.38	13.8	0.88	256.77	10.38	256.09
233.60	12.5	0.25	247.06	10.16	246.81
233.91	11.9		235.00	235.08	235.37
			12.06	11.98	11.69
234.71	11.0		247.23	234.50	242.16
			2.31	15.24	4.90
234.50	10.5		240.94	233.91	234.50
			242.35	15.44	15.93
234.80	9.3		16.34	10.15	10.6
			11.0	11.0	
235.00	8.9	0.20	247.93		13.20
235.08	8.1				247.23
235.37	6.0				

(Builds 4
Evans
Barker

247.93

Red

B.M. 242.16 810.00 ~~Redwood~~
Cut Apr in Elec. Pole.
247.02 m.

5

7+50		9.90	238.03	235.67	2.4	235.67	235.96	236.26	236.55
8+50		9.32	238.61	236.26	2.2	11.39	11.10	10.80	10.51
9+00		6.60	241.05	236.53	4.8				
+50		5.40	242.5	236.85	5.7				
+77.6	MA S. line Redwood	5.63	242.50	237.0	5.3				
10+00	25-15-9	9.5	242.04	237.47	4.6	4.36	25159		Bm 247.23
+50		8.3	243.20	238.51	4.8	5.72			
11+0		7.3	244.3	239.55	4.8				
+50		6.0	245.6	240.59	5.0				
12+0		5.3	246.3	241.65	4.7	24216 5.92 24808.41			
+50		4.6	247.0	242.67	4.3	0.57 24751.12	245.00	245.42	
13+0		2.9	248.7	243.71	5.0	6.9 25445.12	9.45	9.03	
13+50		1.2	250.4	244.75	5.7		24594	8.51	
+59.3	Hi H. S. Spruce	1.0	250.6	245.00	5.6				
14+0	25774	6.0	251.74	245.42	6.3	7.08	25774	0.93	T. 250.66
+50		5.55	252.20	245.94	6.3	24216 10.37 25226.3	24697 11.34		
15+0		4.85	252.9	246.77	6.4	6.57 24596 TP 12.25	24699 12.25		
+50		4.4	253.34	246.99	6.35	258.21			

268.11 2E.24 RW

POSTED

263.21 - BM 30' in Pole N.W. 2nd & Quince

1st

Quince Pole

St

Quince

St

→

20' 0 FT

70'

Quince Pole
N.W. 2nd & Quince
St.

St

Sewer on 2nd St from M.H. in Ctr of Quince
to a point 170' So. to Flush Tank.

Sta	Rod	Ground	Grade	±
0-MH Ctr Quince	5.16	263.59	✓ 255.0	+8.59
+50	5.54	263.21	✓ 255.29	7.92
1	6.05	262.70	✓ 255.59	7.11
+50	6.30	262.45	✓ 255.88	+6.57
+70 FT.	6.45	262.30	✓ 256.0	+6.3

Sewer in Quince St from M.H. in Ctr 1st St
to M.H. in Ctr. of 2nd St

Sta	Rod	Ground	Grade	±
0-M.H. Ctr 2 nd St	5.16	263.59	255.00	+8.59
+50	3.77	264.98	✓ 251.43	+13.55
1	5.80	262.95	✓ 247.86	+15.09
+50	10.03	258.72	✓ 244.28	+14.44
2	7.30	252.31	✓ 240.71	+11.60
+50	13.70	245.91	✓ 237.14	+8.77

+80 M.H. Ctr. 1st

235.00

8

$\begin{array}{r} 2.09 \\ 4.16 \\ \hline 267.27 \\ \hline 1.67 \\ 265.70 \\ \hline 5.90 \\ 42271.60 \end{array}$	$\begin{array}{r} 270.90 \\ \hline 255.00 \\ 261.27 \\ \hline 256.53 \\ ① 10.84 \\ \hline 258.06 \\ ② 9.21 \\ \hline 259.58 \\ ③ 7.79 \\ \hline 260.86 \\ ④ 6.41 \\ \hline 262.49 \\ ⑤ 9.11 \end{array}$	$\begin{array}{r} 263.21 \\ \hline 255.76 \\ ⑥ 11.61 \\ \hline 257.59 \\ ⑦ 10.08 \\ \hline 258.82 \\ ⑧ 8.55 \\ \hline 260.19 \\ ⑨ 7.18 \\ \hline 261.72 \\ ⑩ 5.61 \\ \hline 263.55 \\ ⑪ 8.35 \end{array}$	$\begin{array}{r} 263.21 \\ 163.21 \\ \hline 263.21 \\ 163.21 \\ \hline 263.21 \\ 163.21 \\ \hline 263.21 \\ 163.21 \\ \hline 263.21 \\ 163.21 \\ \hline 263.21 \\ 163.21 \end{array}$
$\begin{array}{r} 8.11 \\ 263.21 \\ 5.76 \\ \hline 268.97 \\ 9.36 \end{array}$	$\begin{array}{r} 268.97 \\ 11.75 \\ \hline 268.97 \\ 10.98 \\ \hline 268.97 \\ 8.55 \end{array}$	$\begin{array}{r} 268.97 \\ 10.22 \\ \hline 268.97 \\ 8.55 \end{array}$	$\begin{array}{r} 268.97 \\ 9.76 \\ \hline 268.97 \\ 9.76 \end{array}$
$\begin{array}{r} 8.20 \\ 278.24 \end{array}$	$\begin{array}{r} 278.24 \\ 5.91 \end{array}$	$\begin{array}{r} 278.24 \\ 269.99 \end{array}$	$\begin{array}{r} 278.24 \\ 269.99 \end{array}$

2nd St. Sewer.

Sta.	Pod	Ground	Grade	Cut
1400	4.75	273.49	266.81	6.68
+50	4.33	273.91	267.21	6.70
2	4.03	274.21	267.62	6.59
+50	3.85	274.39	268.02	6.37
3	3.67	274.57	268.42	6.15
+50	3.40	274.84	268.83	6.01
12100 M.H.S.L. Thorn	3.35	274.89	269.07	5.82
+50	3.02	275.22	269.47	5.75
1	2.16	276.10	269.88	6.22
+50	1.65	276.59	270.28	6.31
2	1.16	277.10	270.69	6.41
+50	6.34	277.68	271.09	6.59
3	5.90	278.12	271.49	6.63
+50	5.30	278.72	271.90	6.82
121400 M.H.S.L. Ups	5.12	278.90	272.14	6.76
+50	4.64	279.38	272.55	6.83
1	4.34	279.68	272.95	6.73

277.03
176
278.79
266.81
11.98
267.21
11.58

267.82
11.17
268.02
10.77
268.42
10.37
268.83
9.96

269.47
11.32
269.07
9.72

269.47 269.88 270.28 270.69 271.09 271.49
12.19 11.78 11.38 10.97 10.57 10.17

271.90 272.14 272.22
9.76 9.52 9.44

9.0
1.2
272.51
11.79
279.38
272
284.30
272.95
11.35

6.92 266.02 11.6 277.10

9

X section albatross

J.P. 0.33 H.I. 251.25 250.92

N. line walnut

E line	3.7	247.6
	3.8	247.5
	4.1	247.2
	4.4	246.9
	4.8	246.5
	5.3	246.0
White	7.5	243.8

POSTED

25' N

White	5.0	246.3
	4.7	246.6
	4.5	246.8
	4.4	246.9
	4.0	247.3
	3.6	247.7
E line	3.5	247.8

Walnut to Brooks

Jan 7. 1908

Chilts
Barber
Colbath

12

50' N

E line	3.3	248.0
	3.4	247.9
	3.9	247.4
	4.0	247.3
	3.9	247.4
	4.5	246.8
White	4.4	246.9

75' N

White	3.9	247.4
	3.7	247.6
	3.7	247.6
	3.7	247.6
	3.5	247.8
	3.3	248.0
E line	2.9	248.4

25125
100' 27

Elise

2.6 248.7

3.0 248.3

3.1 248.2

c

3.2 248.1

3.2 248.1

3.4 247.9

White

3.3 248.0

125' 27

White

3.4 247.9

3.3 248.0

3.2 248.1

c

3.0 248.3

3.0 248.3

2.6 248.7

Elise

2.5 248.8

13

150' 27

Elise

2.5 248.8

2.8 248.5

3.0 248.3

c

3.1 248.2

3.3 248.0

3.4 247.9

White

3.5 247.8

175' 27

White

3.8 247.5

3.0 247.8

3.0 247.8

c

3.3 248.0

3.1 248.2

3.0 248.3

2.8 248.5

200' N

blue	3.1	248.2
	3.0	248.3
	3.0	248.3
c	3.0	248.3
	3.2	248.1
	3.6	247.7
white	3.7	247.4

220' N

white	3.9	247.4
	3.5	247.8
	3.3	248.0
c	3.2	248.1
	3.4	247.9
	3.5	247.8
blue	3.5	247.8

250' N

blue	4.2	247.1
	4.0	247.3
	3.8	247.5
c	3.8	247.5
	3.6	247.7
	3.7	247.6
white	3.9	247.4

275' N

white	5.1	246.2
	4.8	246.5
	4.6	246.7
c	5.1	246.2
	5.2	246.1
	5.6	245.7
blue	5.6	245.7

257.25

15

300' 27

Elvis

8.4 242.9

10.0 241.3

12.2 239.1

C

10.7 240.6

9.0 242.3

8.4 242.9

W. Lino

8.9 242.4

J.P. bare board of fence. 4.31 246.94

POSTED

levels on sidewalk on west side of albatross
north of walnut.

Sta. H.T. Rod Elev.
J.P. 0.50 251.40 250.90

sidewalk in (gro. curb)
West side

75' north	3.8	247.6
100 "	3.7	247.7
125 "	3.5	247.9
150 "	3.6	247.8
175 "	3.75	247.65

no sidewalk in East side

300' north	8.3	247.9
------------	-----	-------

Cross Section of National Ave. E. St.
w. l. dist to City Line 50' wide

SW Top Hyd	0.15	65.55	1	65.40	National #2044
T.P.	0.09	52.98	12.66	54.89	
T.P.	1.32	41.35	12.95	40.03	

$$w_1 z \quad 4/10^4 = 0 + 0.0$$

17

angle at bridge
replaced 1940

offsets to inside edge
of floor guard rail

Pile Bridge

LINE

~~Hub = STAR~~ 0 + 82.40

CITY

Five produced

Na' 60402

52' paved

~~1770-1771~~

11.35

NL + 8	8.8	34.6
+10	8.4	33.0
+15	8.5	34.9
C	8.6	34.8
+10	8.6	34.8
+15	8.8	34.6
+25 = SL	8.8	34.6

50'E

SL	9.8	31.6
+10	10.1	31.3
+15	10.0	31.4
C	9.9	31.5
+10	9.7	31.7
+15	10.4	31.0
+18	9.7	31.7
+25 = NL	10.1	31.3

75'E

NL	11.3	30.1
----	------	------

11.35

18

+10	10.7	30.7
+11	12.9	48.5
+15	12.8	28.6
+16	12.8	48.6
+17	11.0	30.4
C	11.1	30.3
+10	11.2	30.4
+15	11.2	30.4
+23	11.0	30.4
+25 = SL	11.4	30.0

T.P.	22.8	34.0	11.6	49.74
------	------	------	------	-------

100'E

S	4.4	47.6
+3	3.4	48.6
+10	3.3	48.7
+15	3.0	47.0
C	2.7	49.3
+5	2.7	49.3
+10	3.7	48.3

C +15	4.2	27.8
+15 = N/L	4.9	27.1
175' E		
N/L	4.9	27.1
+10	4.9	27.1
+15	4.9	27.1
+20	4.8	27.2
C	4.0	28.0
+10	4.0	28.0
+15	4.3	27.7
+20	4.6	27.4
+15 = SL	5.1	26.9
150' E		
SL	5.1	26.9
+5	4.7	27.3
+10	4.6	27.4
+15	4.6	27.4
C	4.6	27.4

+10	5.0	27.0
+15	4.9	27.1
+25 = N/L	5.2	26.8
200' E		
N/L	5.3	26.7
+10	5.1	26.9
+15	5.3	26.7
C	4.9	27.1
+10	4.8	27.2
+15	5.0	27.0
+25 = SL	5.4	26.6
240' E		
SL	5.4	26.6
+10	5.7	26.3
+15	5.8	26.2
C	6.2	25.8
+10	5.7	26.3
+15	5.5	26.5

C + 25 = NL

850' E

NL	5.4	76.6
+10	5.2	76.8
+15	5.5	76.5
+23	5.7	76.3
C	5.8	76.2
+10	8.6	73.4
+15	9.8	72.2
+23	10.0	72.0
+25 = S	8.6	73.4
	5.2	76.8

25' E

ST	9.5	74.5
+10	10.5	71.8
+15	10.0	72.0
C	7.4	74.6
+1	6.0	76.0
+10	5.2	76.4

+15

+25 = NL

175

NL

+10

+15

C

+10

+15

+25 ST

282.4 E = cut + 1/2 in 100 ft angle

ST

+10

+15 Top header

C

+9.4 ✓ ✓

+15

NL

5.4 76.6

5.2 76.8

5.4 76.6

5.2 76.8

5.1 76.9

4.9 77.1

5.1 76.9

7.5 74.5

10.1 71.9

10.3 71.7

6.1 75.9

4.1 77.71

4.5 77.5

4.40 77.6

4.9 77.1

5.4 76.6

over for bridge spec.

32.02

Wend Bridge top floor

4.25

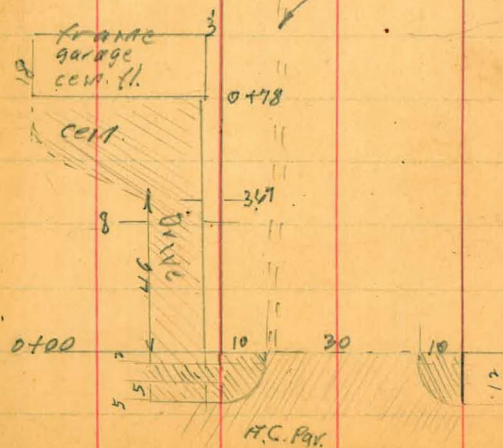
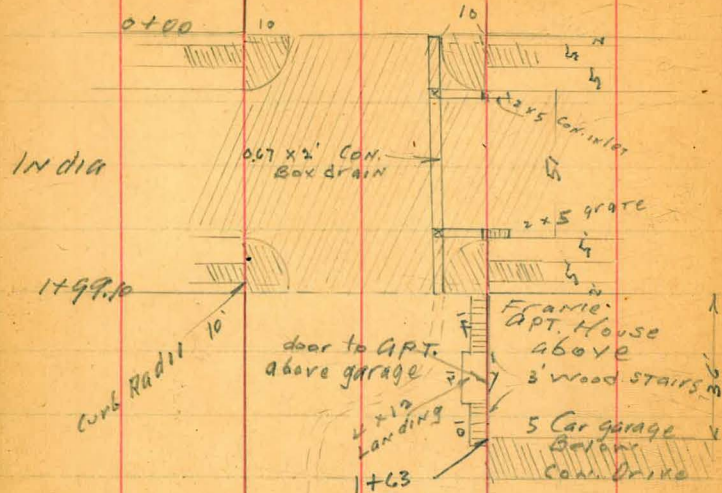
47.77

E ✓ ✓ ✓ ✓

4.38

47.64

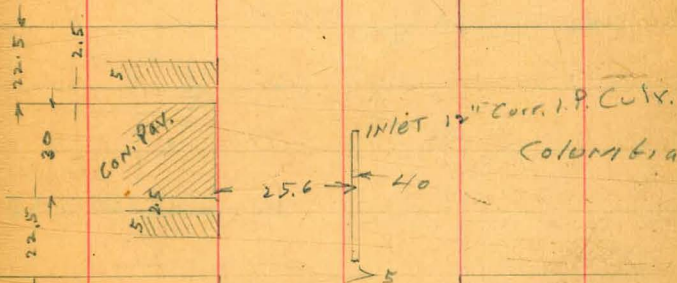
Xsec of Upas St. 50' wide
Kettner to Union 10' cbs
7.5' 1/4



INDEXED
EFB

Moore
Osborne
Hale
Isbell 8-19-20

22



Union

50

С. 456

State

1+9971

3d + 3AT House 1475

564

Cross Sec. UPAS St. 50' wide
Kettner To Union 10' 005
75 1/4

24

SEBP 6.05 45.63

T.P. 12.45 53.35 4.93 40.70

0-10 E of KCT.

N cb cent 13.10 40.25

N qt pav 13.71 39.64

C " 13.59 39.76

S " 13.48 39.87

S cb cent 12.79 40.56

0+0 = E.L. Kct. Blvd.

S cent. sdw 12.59 40.76

cb top cent. 12.47 40.88

qt. pav 13.16 40.19

C " 12.69 40.66

qt " 13.27 40.08

cb cent. 12.41 40.74

N " 12.85 40.50

Kettner

VINE

Reduced + Plotted by H.D.C.
Profile 2202, 867

0+05

-11.67

-3.47

N

+7

cb

+2 2 011 907

1/4

C

1/4

+2

cb

S 3' picket fence

1+25

S 3' fence in ST 0.5

cb

+1.6 P.P.

+3

12.38

12.53

10.4

9.4

10.8

11.4

11.1

11.0

10.9

10.9

7.7

8.0

6.4

5.8

6.0

40.97

40.82

42.8

44.0

42.6

42.0

42.3

42.4

42.5

42.5

45.7

45.4

47.0

47.6

47.4

0.5 in
ST.

18

53.35

+5	7.1	463
1/4	7.2	462
c	7.6	458
1/6	7.4	460
+6 4' oil GT	7.4	460
cb	7.0	464
+1	6.2	472
N	6.5	469
+3.67	11.42	4193
+11.67	11.40	4195
o + 26		
new car frame res. d.	S - 3.6	
o + 62		
NE cor.	S - 3.6	
3' Picket fence	S + 0.3	
o + 65		
cb	9.80	4355
- 15 on cent. Dr		
- 3.67 edge "	9.57	4378

53.35

25

-1	8.6	448
N	4.7	487
+1	3.1	503
cb	2.0	514
11 4' oil GT	2.2	512
1/4	1.6	518
c	1.9	515
1/4	2.0	514
cb	1.8	516
+9 23 cent walk	2.16	5119
S	2.15	5120
o + 69		
	2.0	514
6	1.5	519
o + 69.1		
+0.2 NW Cor frame	0.9	52.5 below
	1.4	52.0

53.35

0+75

E gar Cem Kl. 0.81 52.54 5+0.2

T.P. 13.01 65.81 0.55 52.80

0+78

S 13.3 52.5

cb 12.8 53.0

1/4 13.1 52.7

c 12.8 53.0

1/4 12.7 53.1

+6 E 4' oil gut. 13.0 52.8

cb 12.4 53.4

+3 15.5 50.3

N 14.6 51.2

+3.67 edge Cem drn 20.85 44.96

+15 gar fl. 20.81 45.00

65.81

26

0+79

S 13.1 52.7

cb 12.8 53.0

0+79.4

S 11.8 54.0

cb 12.6 53.2

0+84

Ston E gar. cem. 11.61 54.20

0+88

S 11.7 54.1

cb 11.6 54.2

0+88.4

S 10.8 55.0

cb 11.6 54.2

0+92

Ston E gar. cem. 10.74 55.07

0+96

S 10.8 55.0

65.81

+3	cb	10.8	550
1/1	1/10	11.1	547
c	c	10.7	551
1/1	1/4	10.5	553
+0	+6 & 4' oil/gut.	10.6	552
cb	cb	9.9	559
+1	+7	11.2	546
N	N	17.5	483
+3	+3 SE Cor gar.	21.2	446
+1	+15	21.5	443

0+97

2 Story

N	S + 0.2 NE Cor + gar.	10.7	551
c		10.7	551
N	1+00		
c	S	8.4	574
cb		9.4	564

1+03

S-0.8

NW Cor board + BAT.
House

7.8

dirt fl.
58.0 garage
below

65.81

27

1+14		
-13	11.8	540
-12	8.4	574
11	8.3	575
cb	7.6	582
1.5 & oil gut.	8.3	575
1/4	8.0	578
c	8.2	576
1/4	8.2	576
cb	7.8	580
S 2 gar. dirt	6.6	592
S-0.8		
NE Cor. Bd + BAT	3.1	627
S	3.7	619
+2	5.1	607
cb	5.7	601
1+40		
S-10	0.4	654

65.81

S	0.8	65.0
+3	2.8	63.0
cb	3.2	62.6
1/4	3.7	62.1
c	3.8	62.0
1/4	4.0	61.8
+5 E 4' oil gut	4.6	61.2
cb	4.0	61.8
N	5.1	60.7
+15	5.6	60.2
1+44		
S-5	0.7	65.1
S	0.7	65.1
cb	2.3	63.5
1+63		
-20	2.8	63.0
N	2.0	63.8
cb	1.2	64.6

65.81

28

1/4 E 0' oil gut	1.1	64.7
c	+0.7	66.5
1/4	+1.0	66.8
cb	0.0	65.8
S NW Cor ^{APT.} HOUSE	0.6	65.2
+10 gar. fl	0.61	65.20
T.P. 12.31	77.83	0.29
1+80		
S AGAINST ^{CEM.} foundation	9.1	68.7
+8	8.2	69.6
cb	6.9	70.9
+3 E 5' Cor. gut.	8.0	69.8
+6	7.2	70.4
1/4	6.1	71.7
c	5.0	72.8
1/4	6.2	71.6

77.83

c6	7.0	708
N	9.9	679
+20	11.6	662
1+92		
-15	2.3	755
N	2.7	751
c6	1.4	764
1/4	1.5	763
+c	+1.8	796
+1/4	+2.5	803
+4	0.5	773
+5.5	5' CON. & spillway	1.3 765
c6	0.6	772
+3	1.0	768
S	CEM. against fd.	7.2 756

T.P. 12.09 87.17 2.75 75.08

87.17

29

1+99		
S	CEM. against fd.	7.7 795
+3		7.7 795
+4		5.4 818
c6		5.4 818
+1	FL. outlet drain	6.70 80.47 0.67 x 2'
+3	P.P. guy	5.1 827
1/4		5.1 827
c		5.4 818
1/4		5.5 817
c6		6.2 810
+3		8.1 791
N		8.7 785
+7		7.8 794
1+99.10 W L India		
N	Con. CEM. Ret.	5.07 8210
c6	"	5.30 8187
gt Pav.		6.02 8115

87.17

1/4 Pav.	5.50	8167
c "	5.34	8183
1/4 "	5.33	8184
gut top Hd wall	5.31	8186
cb cem.	5.30	8197
S cor. Ret.	4.82	8235
W cb India		
- 5 cb	4.98	8219
- 5 gut on approx	5.32	8185
S cb & gut	5.00	8217 Top Hd wall
cb Pav	5.14	8201
1/4 "	4.92	8225
c "	4.81	8236
1/4 "	4.93	8224
c.b "	5.34	8183
N cb	5.44	8173
N gut Pav.	5.80	8137
	5.48	8169
+ 10 cb gut.	5.84	8133

87.17

30

0-12 E cb India			
N cb	3.20	8397	
N gut	4.02	8315	
cb Pav	3.77	8340	
1/4 "	3.45	8372	
c "	3.37	8380	
1/4 "	3.40	8377	
cb "	3.46	8371	
S cb. pav. & wall	3.19	8398	
S inlet 2.67x2	4.42	8275	
+ 5 cb	3.16	8401	
+ 5 approx inlet	4.02	8315	
BM Curb			
SEBP upac & India	3.19	8398	83.93
0 to EL India ST.			
S cor Ret.	2.95	8422	
cb & Hd wall	3.10	8407	

87.17

06 + 1 FL. inlet	4.36	8281 ^{drain} 0.5712
1/4 pav.	3.12	8405
c	3.13	8404
1/4	3.29	8388
PT.	3.59	8358
06 COM.	3.22	8395
N Cor. Ret.	2.94	8423
0 + 10		
N	2.8	844
06	1.9	853
+2	2.6	846
1/4	2.4	848
c	2.5	847
1/4	2.5	847
06	2.5	847
5	2.8	844

T.P. 12.56 99.67 0.00 87.11

99.67

31

0 + 47		
5 - 10	14.5	852
5	14.7	850
+7	14.1	856
06	11.6	881
+1.5 P.P.		
1/4	10.2	895
+2	10.8	889
c	10.9	888
1/4	10.8	889
+5	10.9	888
06	9.4	901
+2	8.5	912
+9	8.4	913
N	13.0	867
+2	15.7	840
+15	15.8	839

99.67

0+90

-20

13.0

867

-1

9.4

903

N

4.7

950

+1

2.0

977

+8

1.7

980

c6

2.9

968

+20

4.3

954

1/4

4.2

955

c

4.0

957

+4

4.1

956

1/4

+ 0.5

100.2

c6

5.7

940

+6

8.0

917

+8

11.0

887

5

11.6

881

+20

12.5

872

99.67

32

1400

-20

4.0

937

5

4.6

951

c6

0.0

997

+4

+5.5

1052

1/4

+5.0

1047

+4

+3.1

1028

+5

-2.6

971

c

2.7

970

1/4

2.7

970

+6

2.4

973

c6

1.3

984

+3

0.2

995

N

0.3

994

+3

+2.0

1017

+10

2.4

973

+20

3.4

963

T.P.

13.07 112.33

0.36

9931

112.33

1405

-3	8.9	1034
N	11.7	1006
+7	11.9	1004
cb	12.9	994
+2	14.0	983
1/2	14.3	980
C	14.5	978
+3	14.6	979
+5	7.7	1046
1/2	7.6	1047
cb	4.7	1076
+4	4.1	1082
5	14.6	979
+20	17.2	951

1410

5	2.6	1097
cb	4.0	1083

112.33

33

1425

5	0.0	1123
cb	1.3	1110
1/2	3.6	1087
+2	4.2	1081
+4	11.2	1011
C	11.2	1011
1/2	11.0	1013
+5	10.8	1015
cb	9.6	1027
+2	8.8	1035
+9	8.9	1034
N	7.7	1046

1452

-9.5 E gar. cent.	5.1	107.22
N & 12' Cent. apron	5.1	107.21 Level 4
cb	5.4	106.9 ON N.H.
1/2	6.0	106.3

112.33

C	4.6	1057
+4	4.7	1056
+4.5	0.7	1116
1/4	0.0	1123
cb	+3.0	1153
5	+3.9	1162

1+58

N Cor Cem. Ret. Wall 5.2 107.21 Bot.

" " " + 0.50 112.83 Top

1+75

5	+7.0	1193
cb	+6.3	1186
1/4	+2.4	1147
+4	+1.3	1136
+5	3.4	1089
C	3.4	1089
1/4	3.4	1089
+6	3.2	1091

112.33

34

cb	1.8	1105
+1	1.2	1111
N	1.0	1113

1+76

N Top of bot. Step 0.03 112.30 367 W. d.

T.P. 12.95 124.91 0.37 111.96

2+00.14 W L Columbia St.

N ^{Cem} Top Ret. Wall 9.65 11526

N 9.7 115.2

+7 10.0 1149

cb 12.2 1127

1/4 12.5 1124

C 12.8 1121

+1 9.8 1151

1/4 5.7 1192

cb 3.4 1215

124,91

5

1.8

1231

W.L. +14

5 + 12.2 P. Pole

W.L. +17

5

+ 1.3

1262

cb

+ 0.3

1252

1/4

2.7

1222

c

9.2

1157

1/4

10.4

1145

cb

10.6

1143

+4

10.6

1143

+6

9.6

1153

x/

9.8

1151

W.L. +20

c

9.2

1157

1/4

7.1

1178

cb

5.2

1197

5

2.8

1221

124,91

35

W cb

5

2.7

1222

cb

5.0

1199

1/4

7.1

1178

c

8.7

1162

1/4

9.5

1154

cb

10.2

1147

N

ToPend cb

9.89

11502 cent.

N

Pav. cent.

10.46

11445

W cb + 13

c

7.8

1171

1/4

6.1

1188

cb

4.4

1205

5

1.8

1231

E Columbia

N

on end Pav

9.55

11536

cb

9.2

1157

1/4

8.7

1162

124.91

C	7.4	1175
+3	2.1	1228
1/4	0.2	1247
+5	+2.2	1271
cb	+2.7	1276
S	+5.2	1301
E curv		
S	+4.6	1315
cb	+6.0	1309
1/4	+2.2	1271
+6	2.0	1229
C	8.1	1168
1/4	7.8	1171
cb	8.5	1164
N gut. par.	9.60	11531
N TOP END cb	8.95	11596

124.91

36

F.L. 12" Corr. 1.8 ps	9.72	115.19 INLET
" " " "	12.60	112631 OUTLET
E cb + 13		
N-1 F. Hyd.		
0 + 00 E.L. Columbia ST		
N	7.2	1177
cb	4.7	1182
1/4	5.8	1191
C	6.2	1187
+3	+4.4	1293
1/4	+5.7	1306
cb	+7.7	1326
S	+9.3	1342
0 + 25		
S	+12.1	1370
cb	+10.6	1355
1/4	+7.2	1321
+5	+6.5	1314

124.91

36

c	2.2	1227
+v	6.8	1205
1/4	3.9	1210
cb	2.2	1205
N	4.8	1201
+10	5.6	1193
0+50		
-10	3.0	1219
N	1.3	1236
cb	1.7	1232
1/4	0.1	1248
+5	1.2	1237
T.P.	13.05 137.71	0.25 124.66
c	7.7	130.0
1/4	2.9	1348
cb	0.0	1377
S	+1.9	1396
0+57		
S+12 P.P.		

137.71

37

0+75		
S	+4.7	1424
cb	+2.8	1405
1/4	+0.9	1386
c	8.2	1295
+v	11.1	1266
1/4	10.5	1272
cb	10.6	1271
N	10.5	1272
+10	11.8	1259
1+00		
N=1	4.26	133.45
Top bot. stop		
N	5.2	1325
cb	6.4	1313
1/4	6.9	1308
+4	9.0	1287
c	6.7	1310
+4	+7.2	1449

Wood
stopSW. Cor
fr. house

137.71

1/4	+ 8.0	1457
c6	+ 9.8	1475
S-1 NW Cor. ^{conv.} BIK Wall	+ 11.8	1495
S-1 Top wall	+ 21.3	1590
1+30		
S-1 Top wall	+ 17.5	1552
S-1	+ 15.9	153.6 ground
c6	+ 14.9	1526
1/4	+ 12.7	1504
+4	+ 11.5	1492
c	0.1	1376
+4	2.0	1357
1/4	1.5	1362
c6	0.9	1368
N	0.2	137.5
+ 0.2 ^{W.L.} cem walk	0.03	137.68
+ 0.3 SE Cor fronte house		
T.P. 1246	149.66	0.51 137.20

149.66

38

1+50		
N	9.3	1404
c6	9.9	1398
1/4	10.6	1391
+3	12.0	1377
c	9.9	1398
+5	+ 1.7	1514
1/4	+ 2.5	1522
c6	+ 5.2	1549
S	+ 7.0	1567
+1 Top wall	+ 8.6	1583
1+75		
-1 Top wall	+ 11.4	1611
S	+ 10.0	1597
+7	+ 9.6	1593
c6	+ 8.2	1579
1/4	+ 5.7	1554
c	4.5	1452

149.66

+	+5	8.0	1411
	1/4	4.0	1437
	cb	5.6	1441
	N	4.9	1448
+	+ 1.2 SW Cor. Bd. & Bar House		
cb	1 + 97		
+	N + 20" EL OUTLET 1. P. ^{20"} _{EL}	+ 0.70	15036
+	T.P.	14.84	16234 0.21 14945
+	1 + 99.71 W.L. STATE to No.		
	N - 0.4 ^{SE} Cor house	12.8	149.5 g.d.
N	N	13.8	1485
	cb	12.2	1501
N	1/4	11.9	1504
	c	9.6	1527
	1/4	4.2	1581
-	cb	0.8	1615
-	S	+ 0.3	1626

16734

39

S	+ 1 TOP WALL	+ 0.6	1629
	2 + 15.71 = W.L. STATE to So.		
S		+ 1.0	1633
cb		+ 0.7	1630
1/4		+ 0.3	1626
c		0.3	1620
1/4		2.3	1600
cb		3.6	1587
N		6.0	1563
+ 15		10.0	1523

T.P. 635 167.34 1.33 161.01

2 + 22.21 W.L. STATE to So.

- 15	12.9	1545
N	8.7	1587
cb	6.4	1610
1/4	5.4	1620

167.36

+	C	5.1	162.3
1	1/4	4.5	162.9
0	+5 E grate	5.76	161.60
	cb	4.7	162.7
+	5 Top cb	4.47	162.89
cb	5 gut	5.30	162.06
+	2+37.21 E STATE ST.		
N	-10 pav	2.90	164.46
+	5 "	4.80	162.56
+	cb "	5.46	161.90
	1/4 "	5.36	162.00
^	C "	5.22	162.14
	1/4 "	5.21	162.15
N	+3.5 " gut	5.16	162.20
	+3.5 Top curb	4.67	162.69
	cb	5.2	162.2
-	1/	5.0	162.4

167.36

40

2+44.71			
N	Top curb	4.60	162.76
N	Wedge pav	5.07	162.29
	check to curb P.C.	4.77	162.59
	1546-63		162.64
			0.05

See for Xsec of UPAS

STATE to UNION

Cross Section State St.
Vine to Upas

BM	9.79	123.94	No Good 2	114.15
BM	11.65	124.79		113.14
TP	12.05	136.53	0.31	124.48
TP	11.62	147.86	0.29	136.24

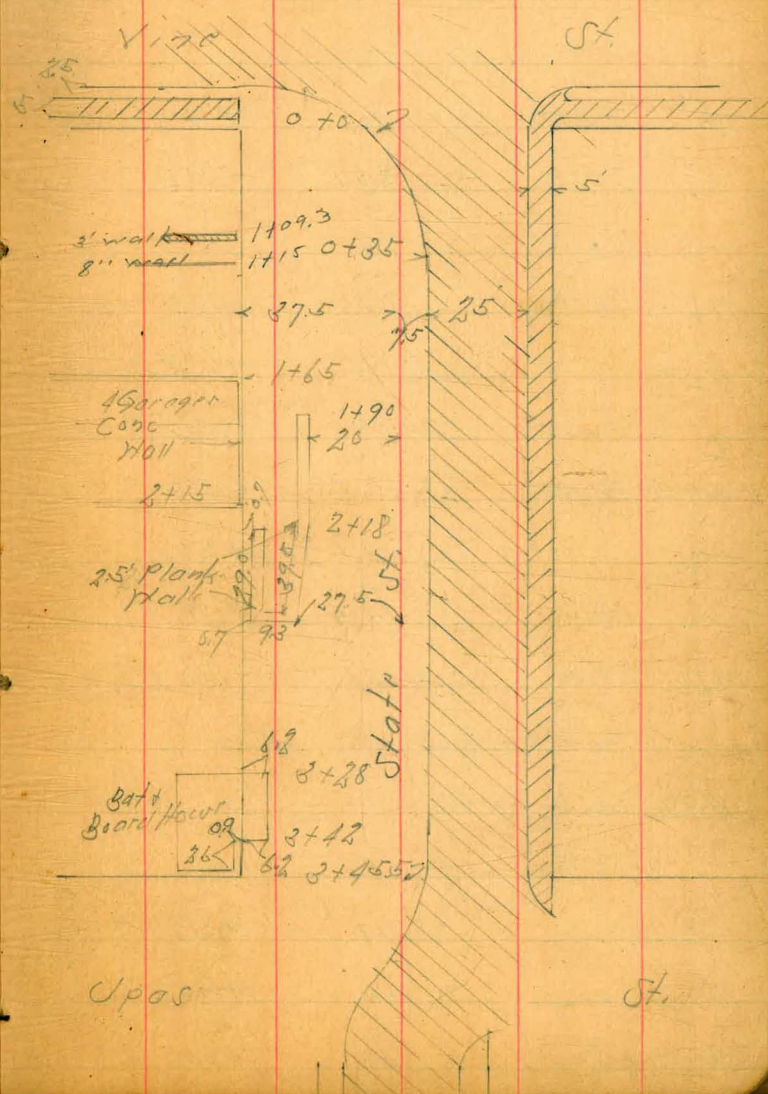
0-10 = 5 Cb Vine

-30 = Top Cb	9.95	137.91
-30 = Gut	10.58	137.28
Y.L. = End Cb	5.52	142.34
Gutter	6.12	141.74
+10 on Pav	4.74	143.12
+20 " "	3.49	144.37
+30 " "	2.62	145.24
4 " "	2.13	145.73
+10 " "	1.60	146.26
+32.5 " "	0.64	147.22
E.L. " "	0.14	147.72
TP	9.95	156.36
	1.45	146.11

Reduced 1-10-41 Lobdell

70' wide INDEXED
EFB

Nov. 13-40
S. W. 71 41
North Green
W. Moore



158.36

0+0 = S.L. 4.170

F	8.2	148.2
+5 = Cb	8.37	147.99
+5 = Gut	8.91	147.45
+20 on Pav	9.15	147.21
+30 " "	9.47	146.89
L " "	9.83	146.53
+9.5 = Edge	10.50	145.86
+25	12.5	143.9
H	13.5	142.9
+10	15.1	141.3

0+01

H + 9.8 = H/L Pav on Pav

0+02

-10	11.1	145.3
H	13.9	145.5
+5	12.1	144.3

156.36

+20	11.7	144.7
+30 = Edge Pav	10.20	146.16
L 07	9.67	146.69
+7.5 " "	9.37	146.99
+20 " "	9.00	147.36
+32.5 = Gut	8.85	147.51
+32.5 = Cb Top	8.30	148.06
F	8.2	148.2

0+25

F	7.5	148.9
+5 = Cb Top	7.54	148.82
+5 = Gut on Pav	8.08	148.28
+17.5	7.89	148.52
+31.4 = Edge	7.77	148.59
L	9.5	146.9
+10	11.2	145.2
+25	11.9	144.5

15636

+27	10.5	145.9	0+30
Y	9.7	146.7	10.25 of
+10	9.7	146.7	W/L =
			Top Pole
	0+35 = Pav to EC		
-10	9.6	146.8	
Y	9.6	146.8	
+10	9.8	146.6	
+12	11.7	144.7	
+33	10.5	145.9	
L	8.7	147.7	
+3	7.3	149.1	
+7.5 = Edge Pav	7.29	149.07	
+20 on "	7.94	148.92	
+32.5 = Gut	7.75	148.61	
+32.5 = CB Top	7.19	149.17	
F	7.2	149.2	

15636

	0+75		
F	5.8	150.6	✓
+5 = CB to Drive	6.34	150.02	
+17.5 on Pav	6.00	150.36	
+30 = Edge	5.89	150.47	
+35	5.9	150.5	
L	8.0	148.4	
+2	10.0	146.4	
+15	11.4	145.0	
+25	7.1	145.3	
+30	10.0	146.4	
Y	9.9	146.5	✓
+10	9.9	146.6	
	0+97		
Y +11.4 = W/L Pav Pole			

156.36

1+08

-10	9.6	146.8
W	9.6	146.8
+15	11.0	148.4
+34	10.0	146.4
L	8.0	148.4
+5	4.8	151.6
+7.5 = Edgr Pav	4.80	151.6
+20 on "	4.86	151.50
+32.5 = Gut "	5.25	151.11
+32.5 = cbTop	4.65	151.71
E	4.60	151.76
1+28		
E	4.2	152.2
+5 = cb 75 Driv	4.61	151.75
+17.5	4.25	152.11
+30 = Edgr Pav	4.13	152.23

156.36

L	7.2	149.2
+4	9.8	146.6
+17	10.7	145.7
+33 = Top Plank Steps	11.0	143.4
W = 22.5 Cor = Wall	13.56	142.80
+10	13.5	142.9
1+48		
-10	13.8	142.6
W	13.8	142.6
+8.5 = Top 25 Plank Steps	10.15	146.21
+34	9.6	146.8
L	7.5	148.9
+6	3.5	152.9
+7.5 = Edgr Pav	3.37	152.99
+20 on "	3.45	152.91
+32.5 = Gut	3.75	152.61
+33.5 = cbTop	3.27	153.09

15636

F 3.3 153.1

1+65

F 2.7 153.7

+5 = C6 120 riv 3.15 153.21

+17.5 2.85 153.51

+30 = Edgr Par 2.75 153.61

+32 2.8 153.6

2 7.0 149.4

+3 9.3 147.1

+21 9.6 146.8

+27 = 1/4 Pow Pole

H = Fly Top Gorog 19.3 137.1

1+85

-10 27.6 128.8

-1 27.6 128.8

H = Fly Top Gor. 19.3 137.1

+2 20.2 136.2

15636

+17 9.2 147.2

+35 8.7 147.7

2 6.5 149.9

+6 2.0 159.4

+17.5 = Edgr Par 1.95 159.41

+20 2.05 159.31

+32.5 = Gv 2.40 153.96

+32.5 = C6 Top 1.85 154.51

F 1.8 154.6

TP 9.10 164.47 0.99 155.27

2+15

F 8.9 155.6

+5 = C6 Top 8.94 155.53

+5 = Gv 9.44 155.03

+17.5 9.08 155.39

+35 = Edgr Par 9.00 155.47

+33 9.0 155.5

164.47

L	14.3	150.2
+3	15.9	148.6
+24	16.9	147.6
+31	24.5	140.0
N = Top Concave	27.8	136.7
71	35.5	129.0
+10	35.5	129.0
2+40		
-10	27.3	137.2
N	27.5	137.0
+4	27.3	137.2
+12	20.7	143.8
+17	20.5	144.0
20	17.0	147.5
+31	15.6	148.9
L	12.2	152.3
+6	8.2	156.3

164.47

+7.5 = Edge Pk	8.15	156.32
+20	8.22	156.25
+32.5 = Gut	8.52	155.95
+32.5	7.96	156.31
F	7.9	156.6
2+66		
F	6.6	157.9
+5 = Cb Top	6.76	157.71
+5 = Gut	7.30	157.17
+17.5	6.91	157.56
+30 = Edge Pk	6.85	157.62
+32	6.9	157.6
L	8.2	156.2
+25	22.0	142.5
+27.2 = Wly Pk or Pole		
N	25.0	139.5
+10	31.0	133.5

164.47

3+0

-15	30.6	133.9
W	22.3	141.2
+10	20.1	144.4
+33	10.4	154.1
L	7.8	156.7
+6	4.7	159.8
+7.5 = Edge Pav	4.67	159.80
+20	4.81	159.66
+32.5 = Gut	5.19	159.28
+32.5 = Cb Top	4.67	159.80
F	4.6	159.9

3+28

F	2.7	161.8
+5 = Cb Top	2.70	161.77
+5 = Gut	2.22	161.25
+17.5	2.90	161.57

164.47

+30 = Edge Pav	2.82	161.65
+34	2.8	161.7
L	4.8	159.7
+8	9.3	155.2
+31.3 = 11.5 ft Cor House	15.6	148.9
W	16.6	147.9
+15	21.6	142.9

3+45.5 = 11.5 ft Cor

W	14.6	150.0
+5	14.5	150.0
+20	6.1	158.4
+27	5.4	159.1
L	2.0	162.5
+6.8 = Edge Pav	2.10	162.37
+20 0.7	2.12	162.35
+34.3 = Gut	2.15	162.32
+34.3 Cb Top	1.52	162.95

164.47

E	1.5	163.0	
NECB B.C. upas	1.80	168.67	Pog 140 162.64

See p 41.

Add'l. Notes on STATE ST.

P. 44

Top of 3.18 151.17
 E.C.B. STATE
and
147.99 SLVING

1409.3

W - 0.3 L 3' New Cont. walk 4.54 146.63

1415

W - 0.7 Top 8" Cont. walk 4.17 147.00

Indexed
C.S.K.

Levels on Intersections
of State & Upas

W.L. State = Baseline
to North =

P. & V

Top Curve 14.96 160.95 147.99

T.P. 5.00 163.97 1.98 158.97

UPAS
NE. & STATE C.B. P. & V 1.30 164.67 162.67

0+10 - S.L. UPAS

W 1.4 162.6

W + 22.5 - W.C.B. to So. 0.92 163.05

0+10

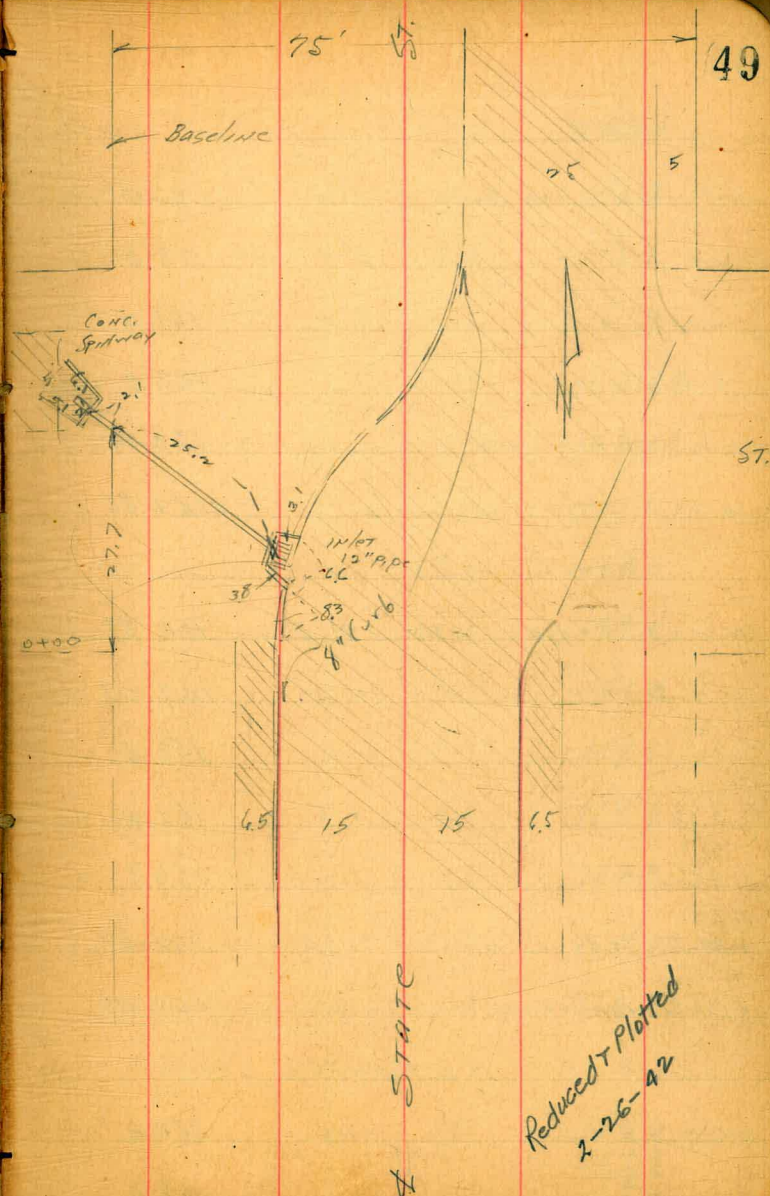
W 2.1 161.9

hd. wall
+ 22.5 IN KT 1.30 162.67

+ 22.5 100% GRATE 2.21 161.76

Moore
Road
Hazard
2-25-42

UPAS



Reduced & Plotted
2-26-42

163.97

0+17

W1 - 20 Top Bank	7.0	157.0
W1 " "	5.4	158.6
+10	3.0	161.0
+22.5	1.5	162.5
+26.3 Top curb	1.38	162.59
+26.3 W. gutter	2.11	161.86

0+23

W - 25 s. edge oil pav.	19.10	144.87
W - 5 " " "	14.70	149.27
W	11.6	152.4
+13	2.6	161.4
+22.5	1.2	162.8
+30.5 Top curb	1.30	162.67
+30.5 W. gutter	1.91	162.06

0+31.5 E oil pav. to West

W - 25	19.4	144.6
W - 7 on end Spillway	15.4	148.6

163.97

50

W - 1	14.4	149.6
W	17.3	151.7
+10	5.9	158.1
+22.5	2.1	161.9
+34.5 W 26	1.29	162.68
+34.5 W. gutter	1.79	162.18

0+40

W - 25 on oil pav	19.0	145.0
W - 5 " " "	14.7	149.3
W	12.6	151.4
+15	6.3	157.7
+22.5	4.1	159.9
+31	1.7	162.3
+39.7 Top curb	1.20	162.77
+39.7 gutter	1.64	162.33

0+50 = NW VPA E

W	14.1	149.9
+17	6.1	157.9
+22.5	5.3	158.7
+32	2.3	161.7
+43 Top curb	1.10	162.87

+	HI.	-
6.55	148.89	
		3.8
		145.1
		4.3
		144.6
		4.9
		144.0
		5.5
		143.4

147.34

End Cb.

Edge Pav. So.

E

Edge Pav. No.

w

w

+

+

+

+

w-

w-

w

+13

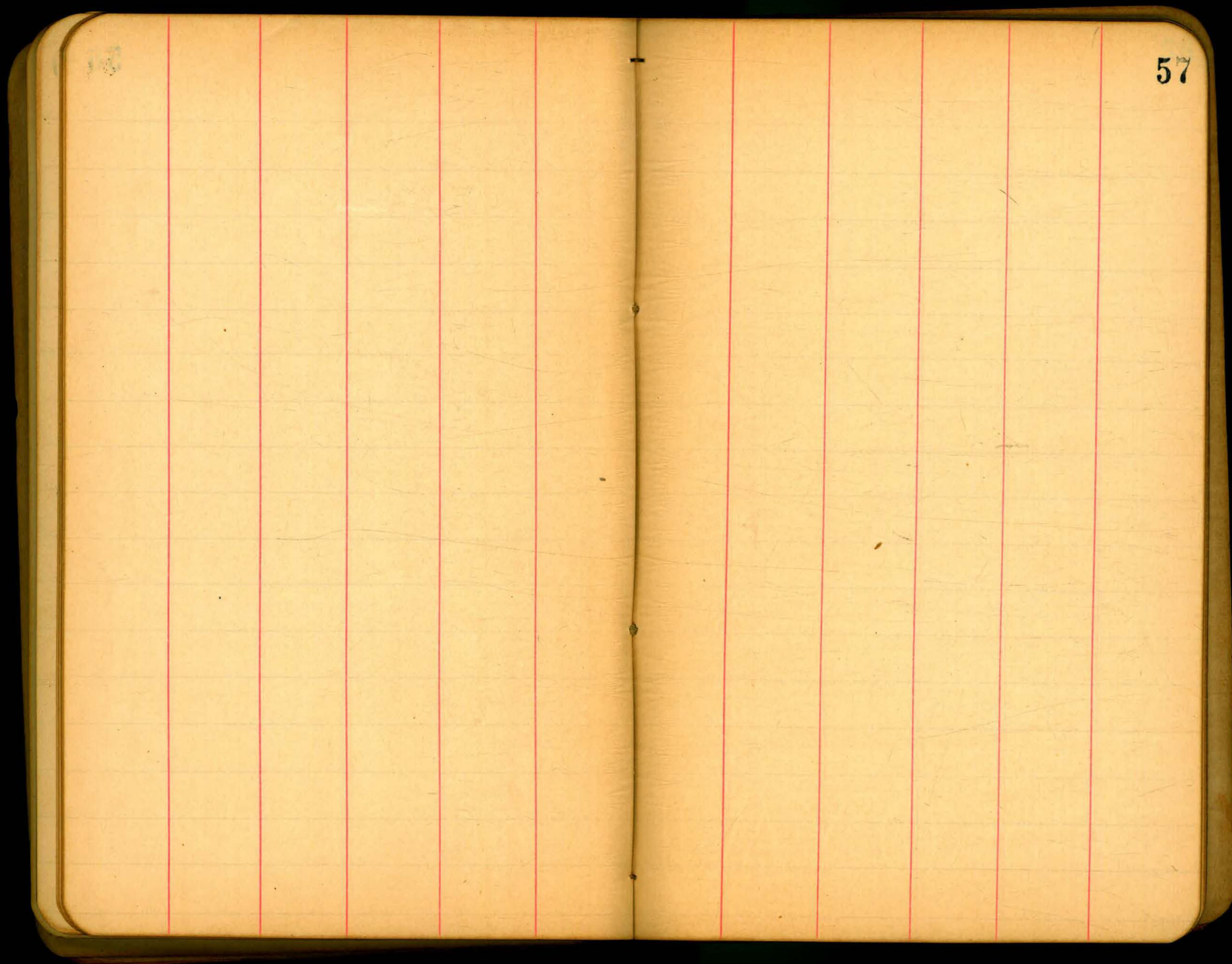
+

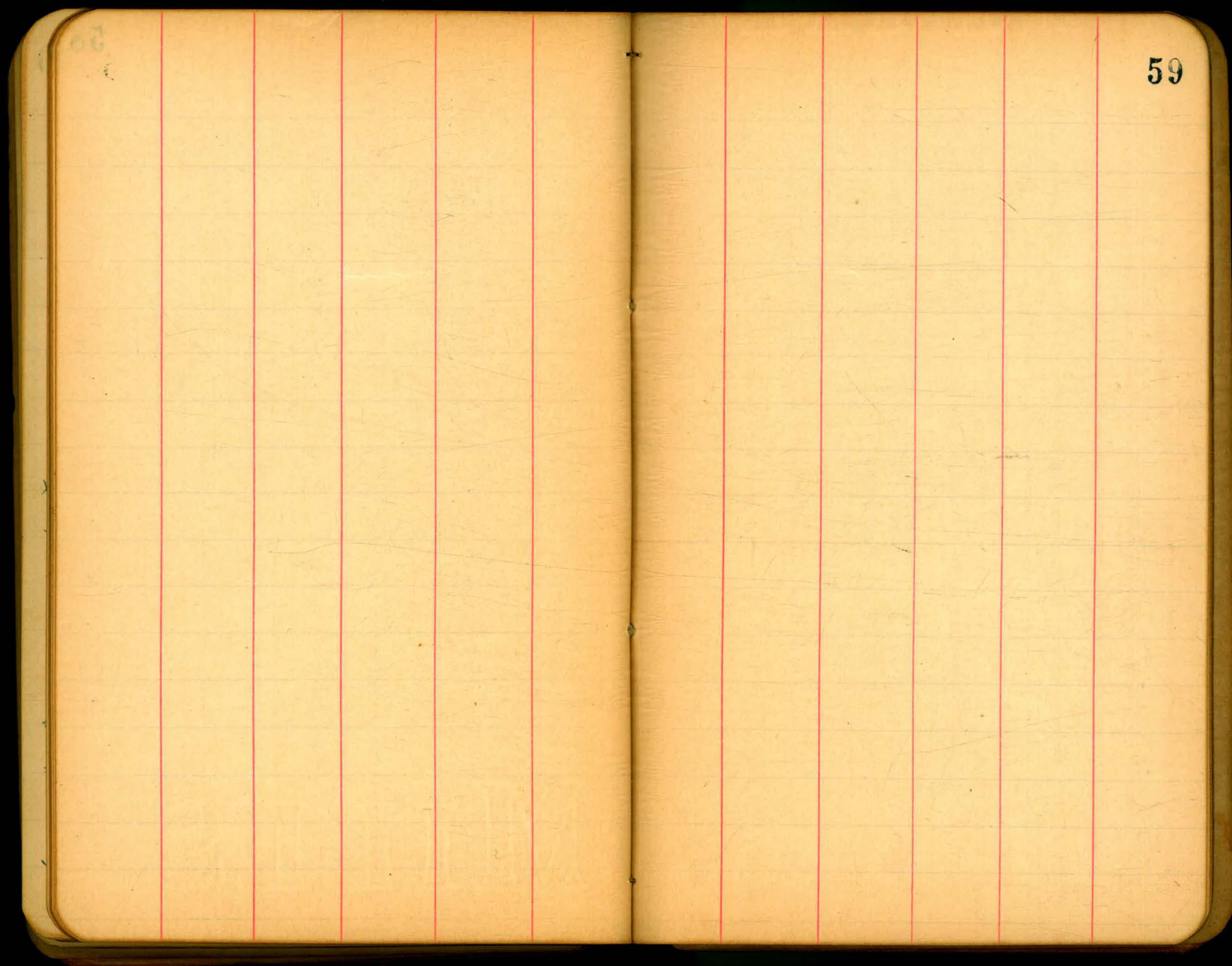
+30.9

+30.9

w-

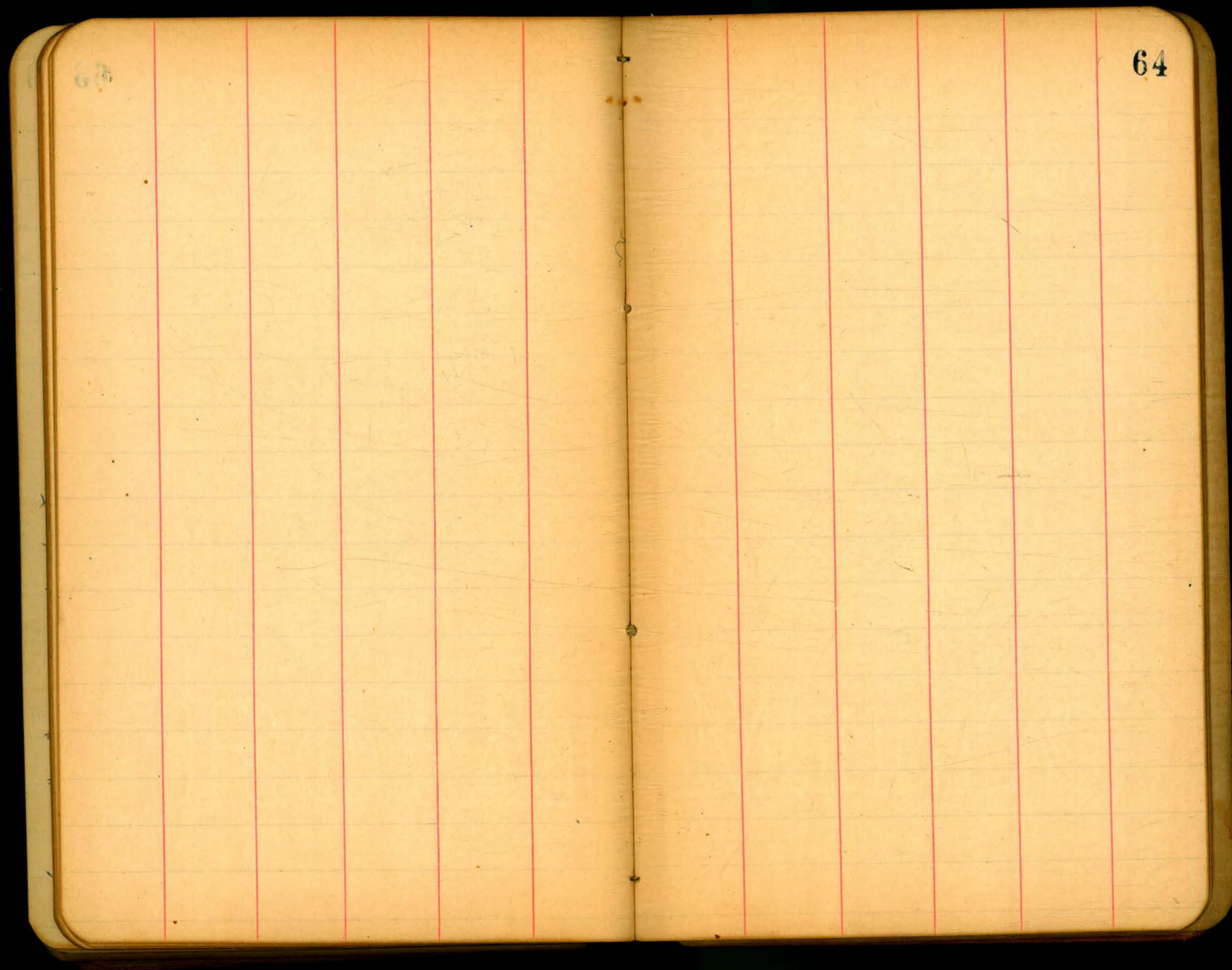
w-





62

63



64

68

Section of lot at 6th & B -
for Excavation 4/24/77
(Watch
Donner
Smery)

POSTED

4.74 62.64

57.90

EE. Ch. 1884
30' W. of NW
Cor. 8-10

South line

E

7.3

55.3

10

7.3

55.3

20

7.6

55.0

30

7.6

55.0

40

7.7

54.9

50

7.8

54.8

60 W.

8.0

54.6

30' N.

W

7.7

54.9

10

7.9

54.7

20

7.9

54.7

30

7.7

54.9

40

7.7

54.9

50

7.5

55.1

60

7.5

55.1

Survey Date -

1.95
97.4
1.21

70

62.64

40' N.

15

7.3

55.3

10

7.4

55.2

20

7.5

55.1

30

7.6

55.0

40

7.8

54.8

50

7.9

54.7

W

7.7

54.9

30' N.

W

8.2

54.4

10

8.0

54.6

20

8.0

54.6

30

7.9

54.7

40

7.7

54.9

50

7.5

55.1

E

7.3

55.3

60' N.

E	7.4	55.2
10	7.7	54.9
20	7.8	54.8
30	8.0	54.6
40	8.1	54.5
50	8.1	54.5
W	8.2	54.4

70' N.

W	8.2	54.4
10	8.2	54.4
20	8.0	54.6
30	8.0	54.6
40	7.8	54.8
50	7.5	55.1
E	7.3	55.3

80' N.

E	7.8	54.8
10	8.0	54.6
20	8.4	54.2
30	8.8	53.8
40	8.0	54.6
50	8.2	54.4
W	8.1	54.5

90' N.

W	8.3	54.3
10	8.1	54.5
20	8.4	54.2
30	9.6	53.0
40	9.7	52.9
50	9.9	52.7
E	9.6	53.0

100' N.

E	7.8	54.8
10	7.9	54.7
20	8.3	54.3
30	8.5	54.1
40	8.1	54.5
50	8.3	54.3
W	8.3	54.3

110' N.

W	8.4	54.2
10	8.3	54.1
20	8.2	54.4
30	7.6	55.0
40	7.1	55.5
50	6.4	56.2
E	5.4	57.2

120' N.

E	2.7	59.9
10	3.8	58.8
20	4.9	57.7
30	5.5	57.1
40	5.9	56.7
50	6.6	56.0
W	7.6	55.0

130' N.

W	3.8	58.8
10	3.3	59.3
20	3.1	59.5
30	2.8	59.8
40	2.3	60.3
50	2.2	60.4
E	1.8	60.8

POSTED

140' N

E	1.6	61.0
10	2.0	60.6
20	2.1	60.5
30	1.8	60.8
40	2.3	60.3
50	2.6	60.0
W	3.3	59.3

150' N. - N h. hot.

W	2.8	59.8
10	1.4	61.2
20	0.8	61.8
30	0.3	62.3
40	+0.2	62.8
50	+0.4	63.0
E	+0.6	63.2

68

74

5

w
w
+
+
+
+
+
w
w
w
+
+
+ 3
+ 3
w
w

I

Sta

	Red	Ground	Grade	Cut
--	-----	--------	-------	-----

W 0 = Ctr Ditch	2.30	39.6	19.60	20.0
+40			19.83	
W +50	2.20	39.7	19.89	19.8
+1	2.90	39.0	20.17	18.8
+ +42.5 A	3.50	38.4	20.46	17.9
+60			20.52	
+ 2	4.60	37.3	20.75	16.5
+45			21.01	
+ +50	5.70	36.2	21.04	15.2
+73.35 A	6.10	35.8	21.17	14.6
+90			21.29	
W 3 + 21.35 at Ells Hall	7.20	34.7	21.45	13.2

0.5763%

30

1.85 41.85

40.00

43.80 M.

19.83	20.17
23.97	23.63

42.19	14.4	20.52	21.01	21.29
21.67		21.18	20.90	

W 0 = CH
+ 40
+ 50

+ 1

+ 495
+ 60

+ 2
+ 45
+ 50

+ 73.31
+ 90
3 + 21.35

W

W

+

+

+ 30

+ 30

W

W

21.59 H.H.

1968 approx

42.43 H.H. 23.29
7.69

34.74 TP = 19.14
4.42

39.16 H.H. 12.71

26.45

5

21.45 Grade at CH

19.60 G at Sewer Connection

19.35
25

19.59

41.00 23.29
2.43

42.43 H.H. 19.14
7.69 19.60 = G Bottom Ditch

34.74 TP 12.71
4.42

39.16 H.H. 26.45 Basement floor
5

21.45 G at CH of Hall

213.67
6.28
277.39 - 171 Sp Km Pole N.E. 39 Spruce

268.51 N.E. Cor 2nd + Redwood Sp. Pole

V 247.03 7th of June at 1st + Redwood 8.20

277.03 N.E. Cor Sp. 2nd + 1st

277.34 280.00 N.E. Cor 2nd + 1st

242.16 181m Pole SW Redwood 1.2

Return to City Engineers Office
City Hall, San Diego, Cal.

10.36 242.16 2.80
7.99
285.32
288.87
9.41
285.22
5.47
275.85
11.26
63.48 287.11

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		Degrees.
	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	