

SEWERAGE GRADES

11th ST.

2

F.B. 650

650

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	2½	21	49	41	95½
2	4½	22	51½	42	98
3	7	23	53½	43	100½
4	9½	24	56	44	102½
5	11½	25	58½	45	105
6	14	26	60½	46	107½
7	16½	27	63	47	109½
8	18½	28	65½	48	112
9	21	29	67½	49	114½
10	23½	30	70	50	116½
11	25½	31	72½	51	119
12	28	32	74½	52	121½
13	30½	33	77	53	123½
14	32½	34	79½	54	126
15	35	35	81½	55	128½
16	37½	36	84	56	130½
17	39½	37	86½	57	133
18	42	38	88½	58	135½
19	44½	39	91	59	137½
20	46½	40	93½	60	140

PUBLISHED BY

EDWARD DENNY & CO.

DRAWING PAPER & MATERIAL, MATHEMATICAL INSTRUMENTS, ETC.,
STATIONERS AND PRINTERS,

SAN FRANCISCO, 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.
°		°		°		°	
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

650

MICROFILMED

DEC 14 1964

INDEX

Street	Location	Page
11th	N of 2 Sts	1--9
12th	Curve ^{to} main line	13
11th	Connection to main	49

11th
 12th
 13th
 14th
 15th
 16th

11 1/2 St - 100 ft

Sta	Elev	Grade	Cur	
1	15.37	8.50	6.87	6' 10 1/2
+25	13.69	9.04	6.65	6' 7 1/2
+50	16.13	9.57	6.56	6' 6 3/4
+75	16.36	10.11	6.25	6' 3
2	16.73	10.65	6.08	6' 1
+25	17.27	11.19	6.08	6' 1
+50	17.71	11.72	5.99	5' 11 1/8
+75	18.58	12.26	6.32	6' 3 1/8
3	19.26	12.80	6.46	6' 5 1/2
+25	19.82	13.33	6.49	6' 5 1/8
+50	20.17	13.87	6.30	6' 3 1/8
+75	20.32	14.41	5.93	5' 11 1/8
4	21.06	14.95	6.11	6' 3 1/8
+20	21.67	15.38	6.29	6' 3 1/2
+40	22.10	15.81	6.29	6' 3 1/2
+60	22.42	16.24	6.18	6' 2 1/8
+80	22.89	16.67	6.22	6' 2 1/2
5+05	23.15	17.20	5.95	5' 11 1/8
+30	23.74	17.74	6.00	6' 0
+55	24.23	18.28	5.95	5' 11 3/8

x 1/2

2.1491

11 1/2 St Curve from 24x6 800 ft

Sta	Grade	Elev	Sub	
0	2.75	13.69	12.93	24x6 800 ft
+14	4.47	15.39	10.52	12.41 1/8 199
+20	5.74	14.98	9.20	9 2 3/8
+26	6.68	14.96	8.28	8 3 1/4
+32	7.59	15.16	7.57	7 6 7/8
+38=1	8.60	15.29	6.59	6 9 1/2

S. Line N. St.

21.6 21.00

K. St.

N. Line N. St.

11 21 - Nov 2

Sta	Elev	Lead	Cu	
5780	24.73	18.81	5.92	5 11
6705	24.99	19.35	5.64	5 7 ³ / ₄
+30	25.29	19.89	5.40	5 4 ³ / ₄
+55	25.77	20.43	5.34	5 4 ¹ / ₈
+80	25.79	20.96	4.83	4 10
7405	26.32	21.50	4.83	4 10
+30	27.06	22.04	5.02	5 6 ¹ / ₄
+55	27.83	22.57	5.26	5 3 ³ / ₈
+80	28.55	23.11	5.44	5 5 ¹ / ₄
8	29.86	23.54	5.32	
+20	29.47	23.97	5.50	
+40	29.69	24.40	5.29	
+60	30.01	24.88	5.19	
+85	30.92	25.37	5.55	
9+10	31.52	25.91	5.61	
+35	32.18	26.44	5.74	
+60	32.66	26.98	5.58	
+85	32.86	27.52	5.34	
10+10	33.69	28.05	5.64	
+35	34.30	28.59	5.71	

21791
1411

S. Linneg. St.

J. St.

W. Linneg. St.

Lead
29.50 29.00

11th St - N 1/2

Sta	Elev	Grad	Dist		
10+60	34.24	29.13	5.11		
+85	34.93	29.67	5.26		
11+10	35.66	30.20	5.46		
+35	36.14	30.74	5.40		
+60	36.60	31.28	5.32		
+80	36.93	31.71	5.22		
12	37.37	32.14	5.23	5' 2 3/4	
+20	37.89	32.57	5.32		
+40	38.04	33.00	5.04		
+65	38.33	33.42	4.91	4' 10 1/4	
+90	38.85	33.83	5.02	5' 0 1/4	
13+15	40.24	34.25	5.99	5' 11 1/8	
+40	41.00	34.67	6.33	6' 4	
+65	41.33	35.08	6.25	6' 3	
+90	41.31	35.50	5.81	5' 9 3/4	
14+15	41.53	35.92	5.61	5' 7 1/8	
+40	42.34	36.33	6.01	6' 0 1/4	
+65	42.10	36.75	5.35	5' 4 1/4	
+90	42.34	37.17	5.19	5' 2 1/4	
15+10	42.39	37.58	4.81	4' 9 3/4	

1841.2

20111229

S. Line D. St.

Grade

37.8. 37.3

D St

N. Line D. St.

11th St - Mob I

Sta	Elv	Grad	Cur		
15+40	41.80	38.00	4.80	4' 9 ³ / ₄	X
+65	43.65	38.25	5.40	5' 4 ³ / ₄	
+90	44.81	38.50	6.31	6' 3 ³ / ₄	
16+15	44.45	38.75	5.70	5' 8 ³ / ₄	
+40	44.69	39.00	5.69	5' 8 ¹ / ₄	
+65	44.96	39.25	5.71	5' 8 ¹ / ₂	
+90	45.11	39.50	5.61	5' 7 ¹ / ₈	
17+15	45.35	39.75	5.60	5' 7 ¹ / ₄	
+40	44.94	40.00	4.94	4' 11 ¹ / ₈	
+65	45.23	40.25	4.98	4' 11 ³ / ₄	
+90	44.81	40.50	4.31	4' 3 ³ / ₄	
18+15	44.99	40.75	4.24	4' 2 ⁷ / ₈	
+40	45.22	41.00	4.22	4' 2 ⁵ / ₈	
+65	46.25	41.25	5.00	5' 0 ⁰ / ₈	
+90	45.84	41.50	4.34	4' 4 ¹ / ₈	
19+15	46.44	41.75	4.69	4' 8 ¹ / ₄	
+40	47.72	42.00	5.72	5' 8 ⁵ / ₈	X
+60	48.17	42.42	5.75	5' 9	X
+80	48.56	42.84	5.72	5' 8 ³ / ₈	
20+00	49.54	43.26	5.28	5' 3 ¹ / ₄	

2001.00001

2105.2

S. Lim H St.

H S1-

NY H S1-

Sewer connection per. 2nd

S7 bsr-

bsr

Grade
44.3 43.8

4.18
42.158
46.66
43.480
2.86

47.80
47.22
0.08

Grade
48.3 47.8

11th St - West

Sta	Elev	grad	cut
20+20	48.86	48.68	5.18 5' 2/4
+45	49.74	44.21	5.53 5' 6 3/8
+70	50.14	44.74	5.40 5' 1 3/4
+95	50.39	45.26	5.13 5' 1 1/8
21+20	50.49	45.74	4.70 4' 8 3/4
+115	50.82	46.32	4.50 4' 6
+170	51.06	46.84	4.22 4' 3 5/8
+195	51.44	47.37	4.07 4' 0 7/8
22+20	51.93	47.89	4.04 4' 0 1/2
+145	52.51	48.42	4.09 4' 1 1/8
+170	53.34	48.95	4.39 4' 4 3/4
+195	54.36	49.47	4.89 4' 10 3/4
23+20	54.86	50.09	4.86 4' 10 3/4
+140	55.63	50.42	5.21 5' 2 1/2
+160		50.84	
+180	56.17	51.26	4.91 4' 10 3/4
24	55.92	51.68	4.24 4' 2 3/4
+25	56.71	52.21	4.50 4' 6"
+50	57.42	52.74	4.68 4' 8 1/4
+75	58.04	53.26	4.78 4' 9 3/4

11th St21.052
11.11

S. L. F. St.

St

11th St
$$\begin{array}{r} 55.63 \\ \text{grad } 575.00 \\ \hline 63 \\ \hline 55.5 - 55.0 \end{array} \quad 15/8$$

11th St - Prof 2

Sta	Elv	Grad	cm	
25-	58.74	59.79	4.95	4' 11 ³ / ₄
+25	58.75	54.32	4.43	4' 5 ¹ / ₄
+50	59.59	54.84	4.75	4' 9
+75	60.17	55.37	4.80	4' 9 ³ / ₄
26	60.58	55.89	4.69	4' 8 ¹ / ₄
+25	61.86	56.42	4.94	4' 11 ¹ / ₄
+50	62.18	56.95	5.23	5' 2 ³ / ₄
+75	62.80	57.47	5.33	5' 4
27	63.81	58.07	5.81	5' 9 ³ / ₄
+20	64.32	58.39	5.93	5' 11 ¹ / ₄
+40	64.50	58.78	5.72	5' 8 ¹ / ₂
+60	64.70	59.17	5.53	5' 6 ³ / ₄
+80	64.63	59.57	5.06	5' 0 ³ / ₄
28+05	65.39	60.05	5.34	5' 4 ¹ / ₄
+30	65.41	60.54	4.87	4' 10 ¹ / ₂
+55	65.62	61.03	4.59	4' 7 ¹ / ₄
+80	65.79	61.52	4.27	4' 3 ¹ / ₄
29+05	66.27	62.01	4.26	4' 3 ¹ / ₄
+30	67.10	62.50	4.80	4' 7 ¹ / ₄
+55	67.94	62.99	4.85	4' 10 ¹ / ₄

$$\frac{2.103.2}{1.146}$$

x

x

19565/100

Grad: $\frac{3.4}{6.8.5}$
 17 E St. 4.0
 E St.
 17 E St.

11th St - No 2

Sta	Elv	Grad	Dist	Angle
29+80	69.70	63.48	5.22	5' 2 ³ / ₄ "
30+05	69.21	63.97	5.24	5' 2 ¹ / ₄ "
+30	69.45	64.46	5.39	5' 4 ³ / ₄ "
+55	70.23	64.94	5.29	5' 3 ¹ / ₂ "
+80	70.70	65.43	5.27	5' 3 ¹ / ₄ "
31+	70.83	65.82	5.01	5' 0 ¹ / ₄ "
+20	71.66	66.22	5.44	5' 5 ¹ / ₄ "
+40	71.53	66.61	4.92	4' 11"
+60	72.61	67.00	5.61	5' 7 ³ / ₄ "
+85	72.78	67.42	5.36	5' 4 ³ / ₄ "
32+10	72.96	67.85	5.11	5' 1 ⁹ / ₄ "
+35	73.01	68.27	4.74	4' 8 ¹ / ₄ "
+60	73.43	68.69	4.74	4' 8 ¹ / ₄ "
+85	74.12	69.11	5.01	5' 0 ¹ / ₄ "
33+10	74.43	69.54	4.89	4' 10 ³ / ₄ "
+35	74.54	69.96	4.58	4' 7"
+60	74.87	70.38	4.49	4' 5 ¹ / ₄ "
+85	75.30	70.80	4.50	4' 6"
34+10	75.78	71.23	4.55	4' 6 ⁵ / ₄ "
+35	76.61	71.65	4.86	4' 10 ³ / ₄ "

1.9587100

x

x

169111105

S L S St

Grade
71.8 71.3

S St

N 2 S St

11[#] 81-Not J

Sta	Elv	Bad	cm	
34+60	77.28	72.07	5.21	5' 2 1/2"
+80	77.75	72.41	5.34	5' 4 1/4"
35-	78.51	72.75	5.76	5' 9 1/8"
+20	79.21	73.09	6.11	6' 1 3/4"
+40	80.59	73.43	7.16	7' 1 1/4"
+65	80.97	73.85	7.12	7' 1 1/2"
+90	81.27	74.27	7.00	7' 0"
36+15	81.59	74.69	6.90	6' 10 3/4"
+40	81.62	75.12	6.50	6' 6"
+65	81.57	75.54	6.03	6' 0 3/4"
+90	82.62	75.96	6.66	6' 8"
37+15	82.12	76.38	5.74	5' 8 1/4"
+40	82.45	76.81	5.64	5' 7 5/8"
+65	82.56	77.23	5.33	5' 4"
+90	83.00	77.65	5.35	5' 4 1/4"
38+15	82.38	77.07	5.31	5' 3 3/4"
+40	84.22	78.50	5.72	5' 8 5/8"
+60	84.48	78.63	5.85	5' 10 1/4"
+80	84.88	78.76	6.10	6' 1 1/4"
39-	84.42	78.89	5.53	5' 6 1/4"

1691110

x

SIC

Grade
78.0 77.5

C SI-

17 C SI-

SIC SI-

Grade
84.5 84.0 ✓

B SI-

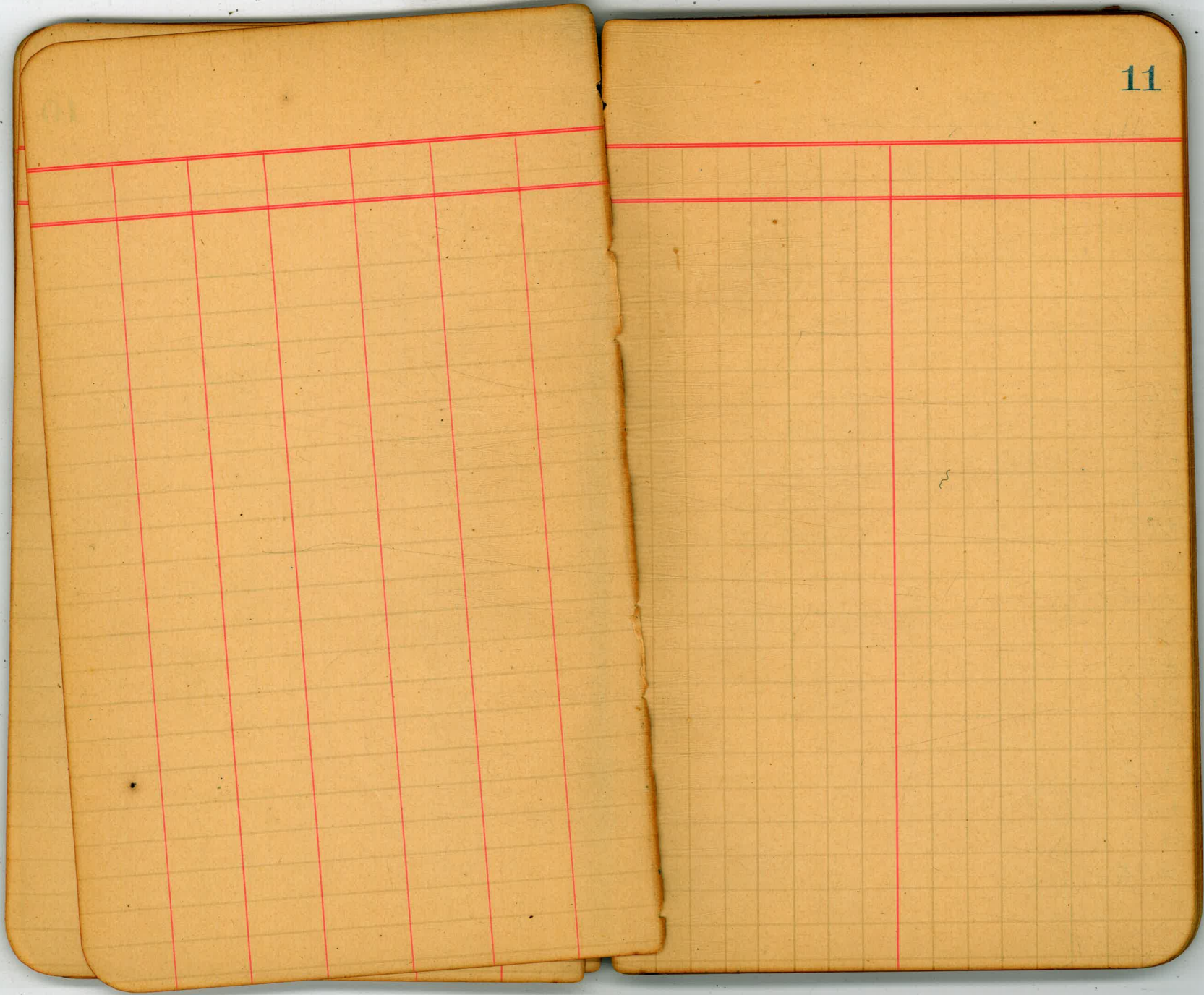
11th St - Vol 2

Sta	Elv	Grade	cut		
39+20	84.76	79.03	5.73	5' 9 ³ / ₄	
+45	85.63	79.19	6.44	6' 5 ¹ / ₄	
+70	85.72	79.35	6.37	6' 4 ¹ / ₂	
+95	86.33	79.52	6.81	6' 9 ³ / ₄	
40+20	86.72	79.68	7.04	7' 0 ¹ / ₂	
+45	86.51	79.85	6.66	6' 8	
+70	86.71	80.01	6.70	6' 8 ³ / ₄	
+95	86.15	80.18	5.97	5' 11 ³ / ₄	
41+20	86.36	80.34	6.02	6' 1 ¹ / ₄	
+45	85.85	80.51	5.34	5' 4 ¹ / ₈	
+70	86.24	80.67	5.57	5' 6 ¹ / ₄	
+95	86.80	80.83	5.97	5' 11 ³ / ₄	
42+20	86.74	81.00	5.74	5' 8 ¹ / ₄	x
Total length of pipe 417.63					

N2 B11

Grade
S2 A St - West bank of C. S. - 86.0

The image shows an open notebook with two pages. The pages are a light brown or tan color. The left page is ruled with a grid of red lines, forming a table with 6 columns and 10 rows. The right page is also ruled with a grid of red lines, forming a table with 2 columns and 10 rows. The number '10' is printed in the top right corner of the right page. The notebook is placed on a white surface.



12th St - N. of I

Sta Elev Road cut

0
+10
+20
+30
+40
+50
+56
+74
+99
1+20
+45
+70
+95
2+20
+45
+70
+95
3+20
+35

12

first 18
Last Sta 14

St K St

12th A curve main line to D29

Sta	Elev	Grade	cm-		
0	10.30	3.26	7.05	7	3/8
20	9.66	3.67	5.99	5	11 7/8
30	9.79	3.88	5.91	5	10 7/8
40	10.11	4.19	6.02	6	1/4
45 = 1+7	10.18	4.20	5.98	5	11 3/4

B.M.	6.13	13.53	4.40
0		3.23	10.30
+20		5.87	9.66
+30		5.74	9.79
+40		5.92	10.11
+45 = 1		5.35	10.18

Moore 10-5-41.
Rand
Svelmoe

14

54"
Proposed STORM DRAIN
Pacific & Rosecrans

□ = 2x2 RVI Hubs Set

Corner Denton
Auto Ct.

Indexed
LM

90°

5+25 Rosecrans

4+45.23
Δ = 24°48' LT.

WAL 4+30.28

INT. ROW Pacific

See STATE PLAN for CURB RETURNS
AND CHAC. PAV.

W.L. Pacific
FUTURE CURB

54" Proposed drain

Proposed
94" drain

0+06 = Large Chisel Cross
on side Con. SUMP
14" below TOP

78" drain

-5.0
-14.21

1/2 CONC. WALL
NO STEEL RE-IR.

E.L. Pacific

91°
30'
Δ =
CURB R =

FUTURE CURB

Sty Rosecrans
2+10

2+0480
Δ = 71°40' RT.

CONSULT WA

19 □ Traffic
519. LT.
this curb to be by STATE
water in. ST.
3+030 Δ = 21°13' LT.

1+98.48
1+71.10
1+2963

Rosecrans

Proposed

Δ = 98°13'
CURB R = 30

FUTURE CURB

54"

0+000
SUMP

Congress

HWY

72'
76'

Rosecrans storm drain

Corr. Iron Bldg.
2.3 IN STREET

N.L. Bldg.

514 Rosecrans
Q 54" drain

7.7 11+26

A Tile wall 10+90

5 10

P.P.
7.7 10+51

MOORE

AUTO COURT

7.7 10+84 P.P. 8475

16"

300

60'



Tile wall

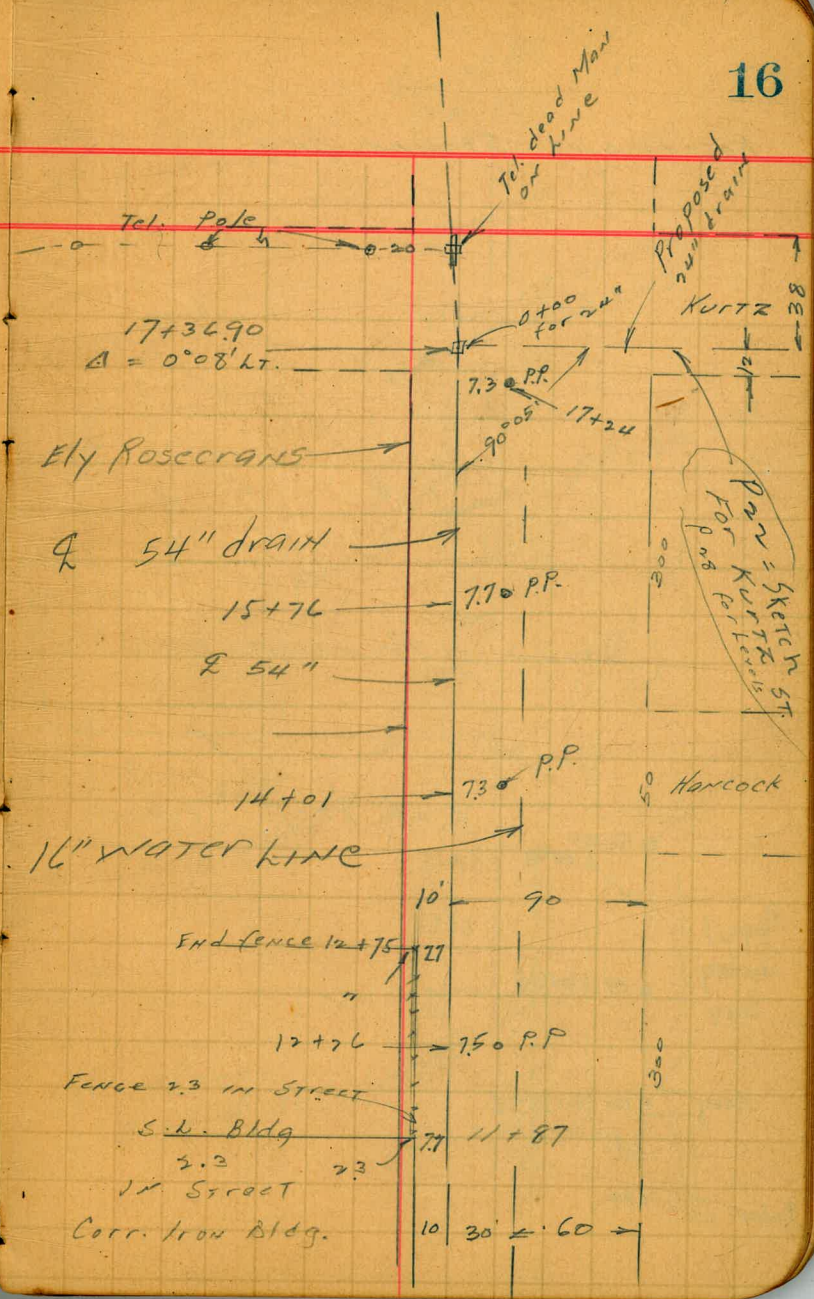
P.P.
7.7 10+027

JEFFERSON

10

90

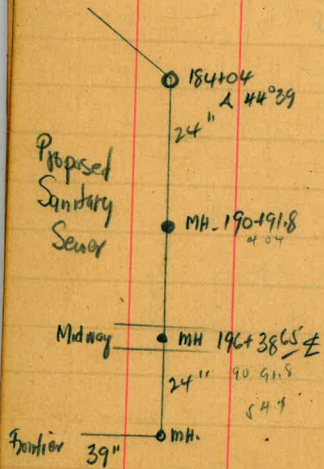
Rosecrans Storm Drain



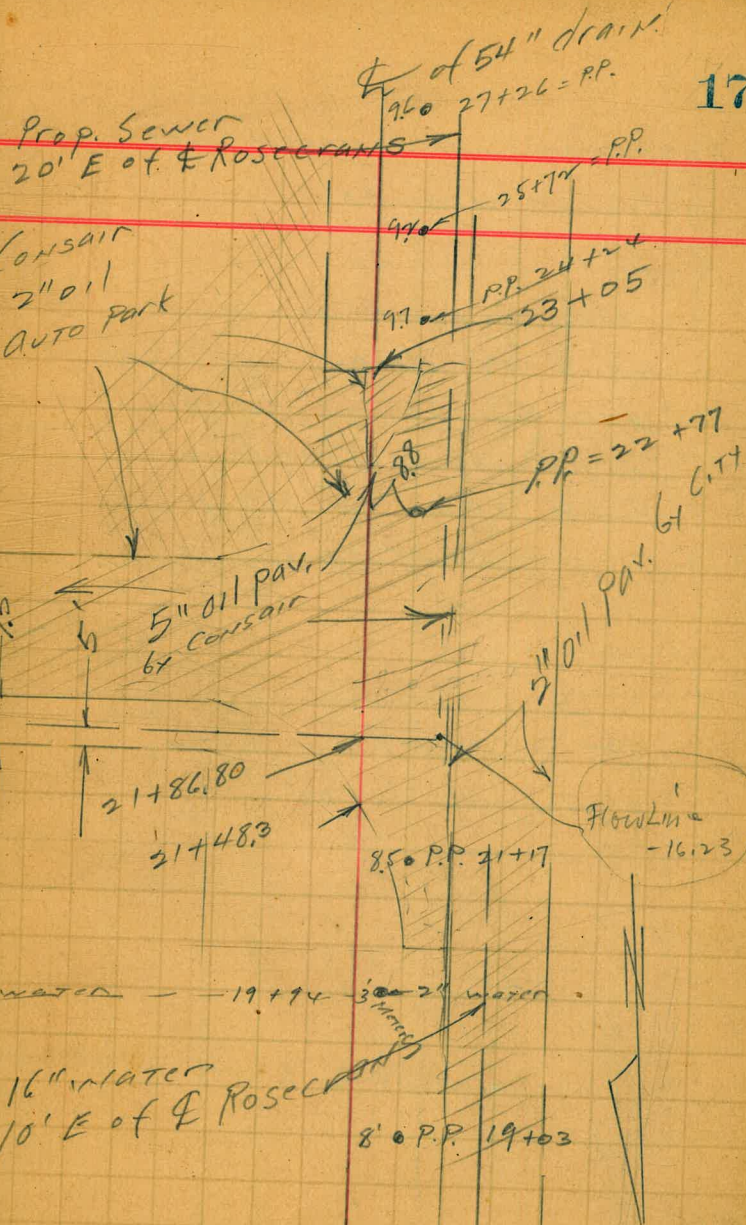
Rosecrans Storm drain

(Consair St) Frontier St.

℄ of Prop. Sewer



687.8



45.5

9.5

21+86.80
21+48.3

8.50 P.P. 21+17

3" water - 19+74

16" water 10' E of ℄ Rosecrans

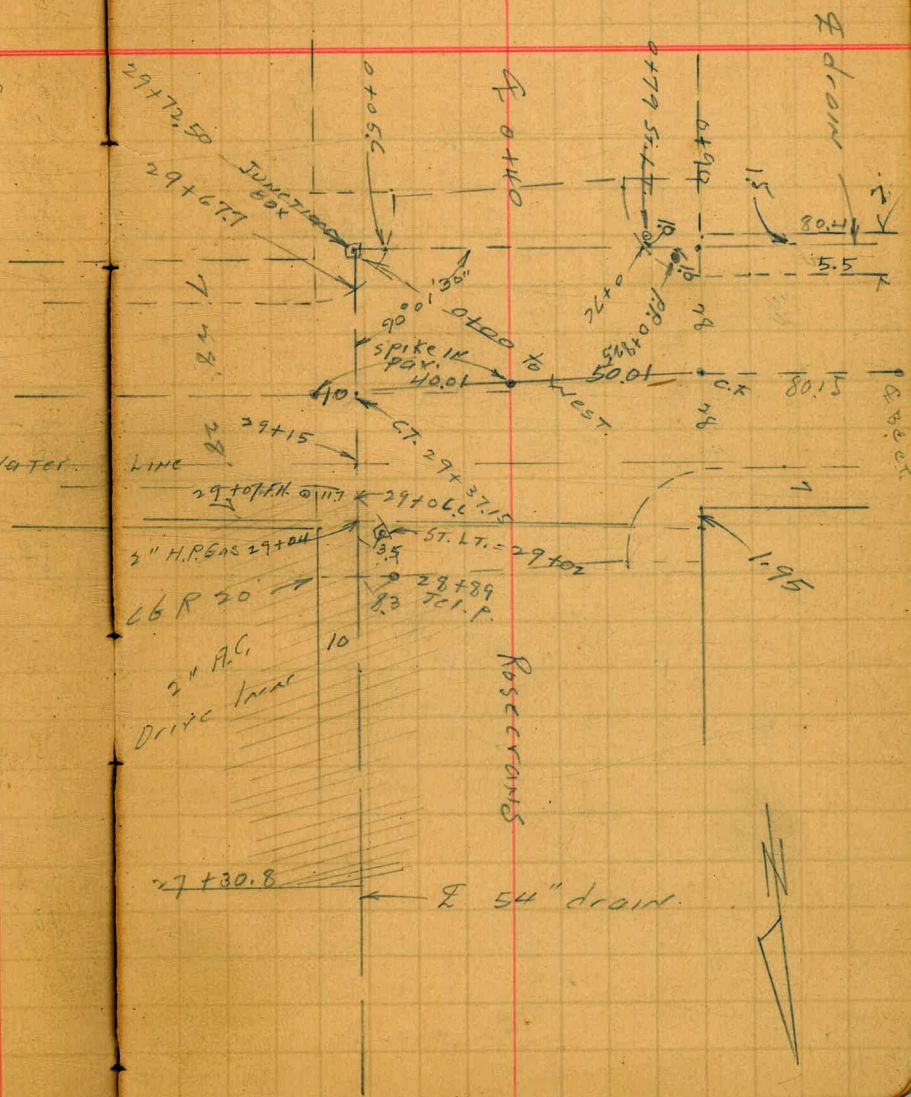
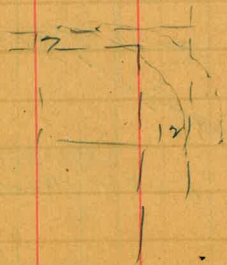
8'0 P.P. 19+03

Rosecrans and Ingraham
Storm drains

Note!

These Returns are now
20' R, 7' cbs on Ingraham
and 20' cbs on Rosecrans.
See Rosecrans Profile and
find that on Rosecrans,
Ingraham
to EAST

→ curbs have been
changed to 10'



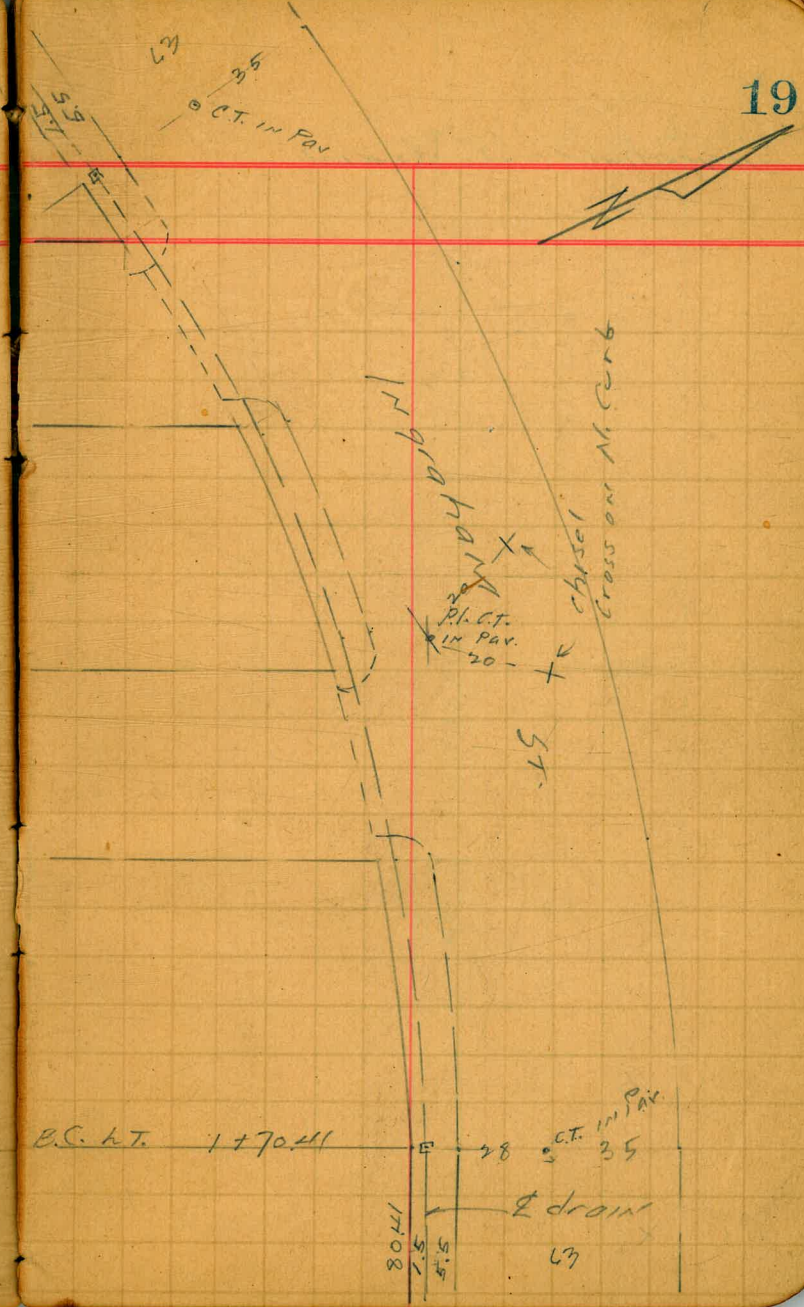
Ingraham St. drain

Riley

E.C. 7+75.29
Fd. old K 105

GAINES

$A = 355.5 \times 1.20$
 $R = 96.6 \times 1.50$
 $T = 31.2 \times 1.8$
 $V = 10.0 \times 1.8$



Ingraham St. drain

Ed. old RPS

Ed. Id. C.T.

20

BC&L

35

Ingraham



987.89

1.5

5.5

C3

25

E.C.

7475.09

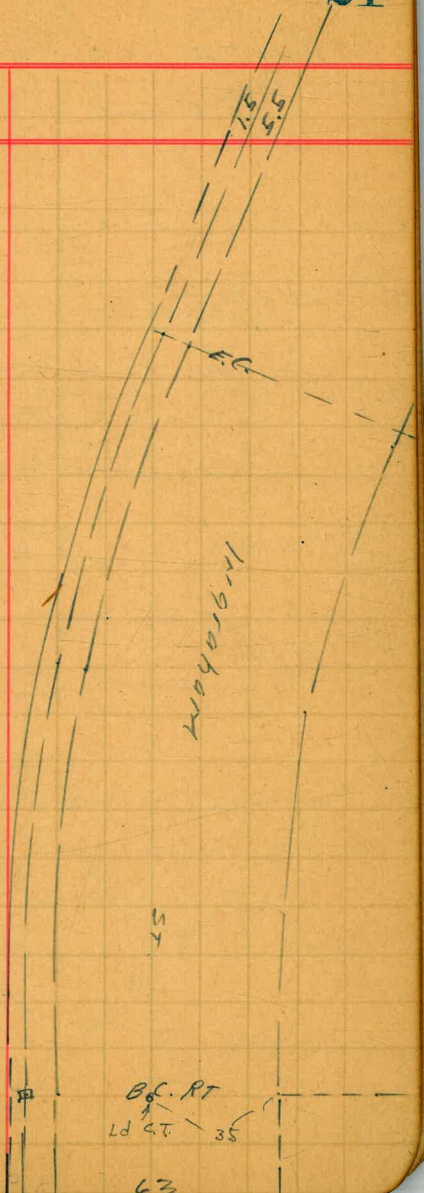
Ed. old RPS.

35

Ed. C.T.

Ingraham St. Locat

21



Fd. old R.P.'s

B.C. RT
Ld 35

L3

KURTZ St. drain

Rosecrans wly to Riley

7+90

38

W

22

Riley

7+40

50

300



4+40

50

Games

3+90

KURTZ

300

38.

12

1732.90
0008.47
0490

90°05' for Kurtz St. drain

90

Rosecrans

5 1/2" drain

10

Ground + Pav.
 Levels on 54" Proposed drain

		Rosecrans + Pacific		
	+	Hl.	-	Et.
NEBP	5.66	10.48 ✓		4.64
				Brass Plug in Curb San Diego + Taylor Sts.
0+00	ground	SUMP	5.3	5.0
+50			5.1	5.2
1			4.9	5.4
1+27.63	Medge	Pav.	5.14	5.14
2	Rosecrans	Pav.	4.74	5.54
1+98.48	Sedge	Pav.	5.09	5.19
2+04.80	Δ	71°40' RT	4.76	5.52 in next Hub
1+50			5.1	5.2
3+03.04	Δ	91°13' LT	5.19	5.09 " " "

Notes Ref. 10-9-91. 66

	10.28			
3+19.9		4.90	5.38	Top 6" Curb that is to be changed
3+19.9		5.56	4.72	Gutter edge 6" H.C. Pav.
3+59		5.01	5.27	Pav. in gutter at Island
3+59.66		4.53	5.75	curb " " "
3+66.66		4.37	5.91	H.C. Pav. " " 2 Row Pacific
3+77.66		4.47	5.81	curb " " "
3+78		4.97	5.31	Pav. in gutter at " "
4+16.7		5.48	4.80	edge of 6" H.C. Pav.
4+16.7		4.78	5.50	Top 6" curb that is to be changed
4+30.28		5.3	5.0	wh. Row Pacific. Beg. 4" H.C. Pav. to oil 570 Drive

1028

T.P. 3.83 8.95 ✓ 5.16 5.17 = El. of oil Pav.

²⁴⁴
on Hub Δ 24°48' LT. STA. 4+45.33

4+57 3.8 5.2

end of oil Pav. to oil STA.

5 4.0 5.0

+50 4.0 5.0

6 4.1 4.9

+50 4.8 4.2

7 4.9 4.1

+50 5.1 3.9

8 5.4 3.6

+50 5.1 3.9

9 5.4 3.6

8.95

✓

T.P. 3.17 7.54 4.58 4.37

9+50 4.3 3.2

10 4.5 3.0

7.50 4.3 3.2

11 4.3 3.2

4.50 4.3 3.2

12 4.3 3.2

+50 4.6 2.9

13 4.7 2.8

+50 5.6 1.9

14 5.4 2.1

7.54 ✓

T.P. 3.04 6.35 ✓ 4.73 3.31

14+50 4.3 2.1

15 4.6 1.8

+50 4.7 1.7

16 4.6 1.8

+50 4.4 2.0

17 3.9 2.5

17+36.90 = A 0°08'17" 4.5 1.9

T.P. 4.59 6.44 ✓ 4.50 3.85

17+50 4.6 1.8

Contd. P. 30

= JUNCTION of Route 57 drain

nail in pole, 73 RT. of 17+50

Levels on Kurtz St 24" drain

Rosecrans w/ly Skerch Pan

	7.91	6.76	✓	3.85	✓
0 + 00 = 17 + 36.90		4.9		1.9	
0 + 20		4.0		2.8	
0 + 40		3.9		2.9	
0 + 60		4.1		2.7	
0 + 90		4.4		2.9	
1 + 00		4.4		2.9	
+ 50		4.3		2.5	
✓		4.5		2.3	
7.P	7.22	6.36	✓	4.64	4.14
7 + 50		4.7		1.7	

rail in pole 7.3 R7 2 + 17 + 24

on 54" Line on Rosecrans

E. edge 4" oil Pav.

oil Pav

w. " " " "

W. L. Rosecrans

		✓		
		6.36		
3			5.4	1.0
3 + 50			5.4	1.0
3 + 90	EL GAINES		5.1	1.3
4 + 40	W.K. "		5.0	1.9
5			4.5	1.9
+ 50			4.4	2.0
6			4.7	1.7
+ 50			4.8	1.6
7			4.9	1.5
7 + 40	EL RILEY		4.9	1.5
7 + 90	W.K. "		4.8	1.6

for more levels to west see
 latest spec of Kurtz St. and
 interpolate existing time.

Rosecrans drain levels (cont. p. 27)

		6.44		
18			4.6	1.8
+50			4.6	1.8
19			4.8	1.6
+50			4.7	1.7
20			4.6	1.8
+50			5.0	1.9
21			5.0	1.9
+01			2.7	3.7
TP	210	596	7.58	3.86
21+483			2.10	3.86

TOP Consair Gill

leg. 5" ^{oil} n.c. fair Consair job

	5.96 ✓		
21 + 86.30	2.26		3.70
22	2.19		3.77
+ 50	2.01		3.92
23	2.26		3.70
+ 05	2.25		3.71
+ 36	2.4		3.6
+ 20	4.8		1.2
24	4.8		1.2
+ 50	4.6		1.9
25	5.1		0.9
+ 50	4.1		1.9

on new Pav. Int. of prop. sewer line
on FRONTIER ST

" " "

" " "

" " "

on S. edge 5" Pav

excl. Conserve fill

5.96 ✓

H.I.
~~5.96~~

5.67

9+37.15

Par.

5.70

0.47

E. Ingraham
to South

9+47.7

gutter

Par.

5.71

-0.04

✓

"

Top Curb

5.8

0.52

/

9+72.50 JUNCTION

5.1

0.6

✓ to
Ingraham
drainBeg. of H.C. Pav. of Drive in Sandwich
standIngraham
BP Reservoirs

5.03

0.6

0.53

" = gutter Par.

5.66

0.01

Ed. Ld. City Pueblo
Col.

34

Triple
Box CULV.

G+88.7L

19

85

11.7

Conc.
Wall

curb 20 | 20 | 55

ST. RT. L+48.5
Tel. P. G+37.5
E drain

5+89.97 EC

C6T = 88.93

A = 7°35' RT

C6 R = 3944.25

drain R = 3938.75

11 L = 177.59

15
Wichita
St.

4+47 ST. LT
4+57 Guy
pole

4+12.38 PRC

55

Triple Box CULV.



0 + 6.50 = Δ 90° LT.

0 + 50 TOP N curb

0 + 56 gut Pav.

0 + 78 Δ Ingraham Pav.

0 + 00 gutter Pav.

0 + 00 Top cb. Se Side Ingraham

B.M.

Brass Plug

5.48

8.68

3.00

A drain

1.12

7.5

1.17

7.51

0.93

8.25

0.92

7.76

0.36

8.31

1.10

7.58

8.68 ✓

S. end Top sidewalk of Temple Box Club. W. PT. Loma Blvd.

Ingraham
 Blvd.

LT.

3

1 50

7 + 30.30 BC LT

4

17 64 END cb. OUT

17 50

17 33 beg. cb. OUT

17 00

8.78

← 5.5 →

9.07	16.	2
Pay.		
4.12	4.80	5.3
4.56	3.88	3.4

3.32	4.09	4.1
5.36	4.64	4.6

3.03	3.73	3.8
5.65	4.95	4.9

2.38	3.02	3.2
6.35	5.66	5.5

1.36		1.6
7.34	drive	7.1

0.69	1.38	1.68
7.99	7.30	7.0

8.68 ✓
4

5+46 END Curb OUT

5

4+74 beg. of Curb OUT

4+57 END Curb OUT

4+12.38 PRC.

4+05 beg. curb OUT

4

3+50

8.68

90T	cb	Σ
5.80	6.57	6.3
2.88	2.14	2.4

5.99		5.9
2.74	cb. out	2.8

6.17	6.76	7.0
2.54	LSN	1.7

6.86		6.9
1.84	cb. out	1.8

6.61	7.28	6.9
2.07	1.40	1.8

5.88	6.01	6.1
3.39	2.67	2.6

8.68

	gvt	cb	\$
FL outlet ✓ ✓	11.99	-3.31	

FL inlet Box Culv.	11.57	-2.89	
--------------------	-------	-------	--

6+88.76 = connection to Box Culv.			
-----------------------------------	--	--	--

6 + 50			
--------	--	--	--

5+89.97 EC			
------------	--	--	--

828

gvt	cb	\$
-----	----	----

4.21	4.86	5.1
4.47	3.87	3.5

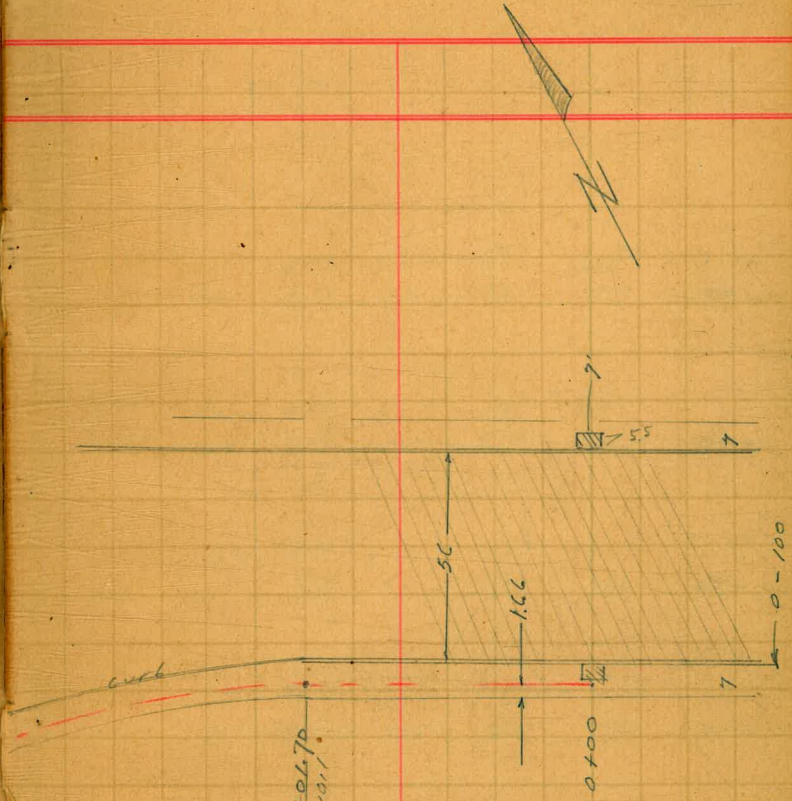
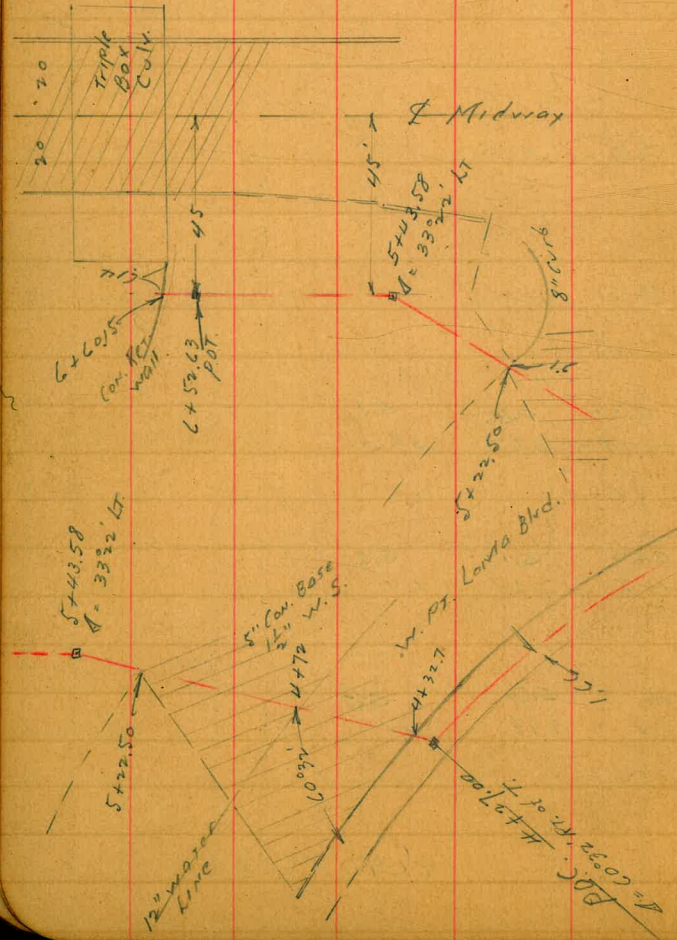
4.50	5.17	5.5
4.18	3.51	3.1

5.06	5.69	5.5
3.64	2.99	3.1

828

Levels for proposed drain
Midway at W. Pr. Loma Blvd.

Moore
3-12-43.



$\Delta = 27^{\circ} 23' 30''$ LT
 $R = 685$

E.C. Lt. / +0670
wall.

B.C. # 127.00
 $\Delta = 60^{\circ} 32'$ of Δ

Levels on Midway Pav.

S. of W. P. Lanta Blvd.

0+00

1.13	0.35	0.82	0.92	0.77	0.41	1.16
8.36	9.14	8.67	8.57	8.74	9.07	8.33

0+25

1.04	0.41	0.70	0.82	0.71	0.42	drive
8.45	9.08	8.79	8.67	8.78	9.07	

0+50

1.04	0.36	0.71	0.76	0.58	0.41	0.99
8.25	9.13	8.78	8.73	8.91	9.08	8.50

0+75

1/2 sec of Roadway
on Pav. on Midway

1.03	0.35	0.68	0.82	0.59	0.43	0.97
8.46	9.14	8.86	8.67	8.90	9.04	8.54

0+100

1.05	0.38	0.69	0.85	0.67	0.45	drive
8.24	9.11	8.80	8.64	8.84	9.04	8.5
28	28	14		14	28	
06	9.07				9.07	06

B.M. B.P. 6.49 9.49

3.00 wly end
Triple Box Cul.

9.49

LT.

RT.

← E Midway

Levels of Prop drain

1.66 N of SL of Midway

11+00

1+21.3 Lamp 2.7 RT

1+59.8 P.P. 2.3 RT.

1+50

1+01.7

0+50

0+33 Lamp 2.6 RT.

0+15.6 P.P. 2.6 RT.

0+00

9.49

LT

±

RT.

3.19

3.09

2.50

6.3

6.20

4.99

26

9.07

2.49

7.0

1.79

1.80

1.14

7.7

7.69

8.35

26

9.07

1.8

7.9

1.13

8.36

Top Con. Slab
5.5 x 7

9.49

4+32.7 Beg. Pav

4+32.7 Top curb

4+27 P.O.C. @ 60° 30' Rt of T. 5706

4+00

3+59 P.P. 2.6 Rt

3+50

3+24 Lamp 2.5 Rt.

3+00

4+50

5.15

4.34 = gut Pav.

5.79

3.70 Top Curb

6.9

2.6

6.4

3.1

5.2

4.3

4.8

4.7

4.0

5.5

9.49
Σ

5.70

3.79
66

5.07

4.40
gut

4.66

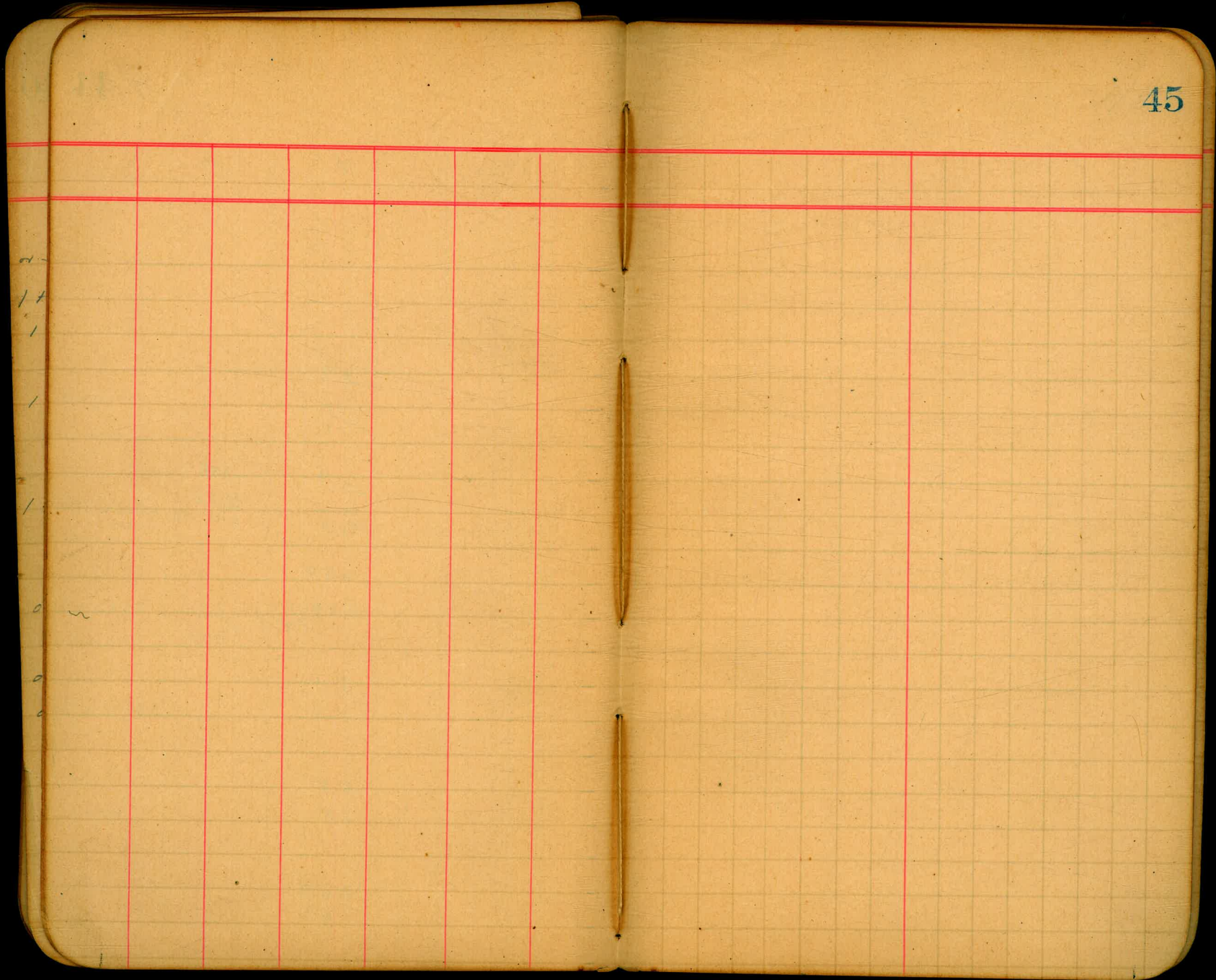
4.83
66

4.01

5.48
gut.

	Lt	Rt	Rt
5+50		6.3	
		3.2	
5+43.58 Δ 33" w/ Lt		6.3	
		3.2	
5+75 3' Rt P.P.			
5+77.5 end Pav.		6.43	7.00
		3.06 Pav	2.48
			1.6 Top End CURB RETURN
5		9.07	
		2.44 Pav	
4+77 Int. 17" water line		6.72	
		2.77 Pav	
4+50		6.02	
		3.47 Pav	
		9.49	
		<u>7</u>	

	LT	£	PT.
6+70		-3.7 13.4 Mud	
6+60.5		-2.7 12.4 Mud	-3.26 12.75 6" FL. OUTLET CULV.
6+60.5	6" Top Ret. wall.	2.90 6.59	TOP 6" ^{CON} RET WALL
6+52.63		5.1 4.4	
6+00		5.7 3.8	
		9.49 7	



11 St. connection with

Munier

Sta + HI - Elev

Bm	4.54	20.49		15.95
0			4.81	15.64
+14			5.10	15.39
+20			5.51	14.98
+26			5.53	14.96
+32			5.33	15.16
298-1			5.20	15.29

1388 ft of 24' pipe
950 " " 18 " "

LS 22.36
 3963
 2565
 1388
 7563
 6673
 950
 99
 25
 74 43 50
 3441
 29 09
 1000 x 8
 76
 600288
 41700336
 76036 x 8
 1736.90
 3 + 5966
 3 + 6666
 3 + 7766
 18.12
 18.12
 18.12

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