

981

F.B. 981

400

LEVEL

END



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

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         |

472 954  
" " 57

Book 981

N. 56  
14713  
8-47

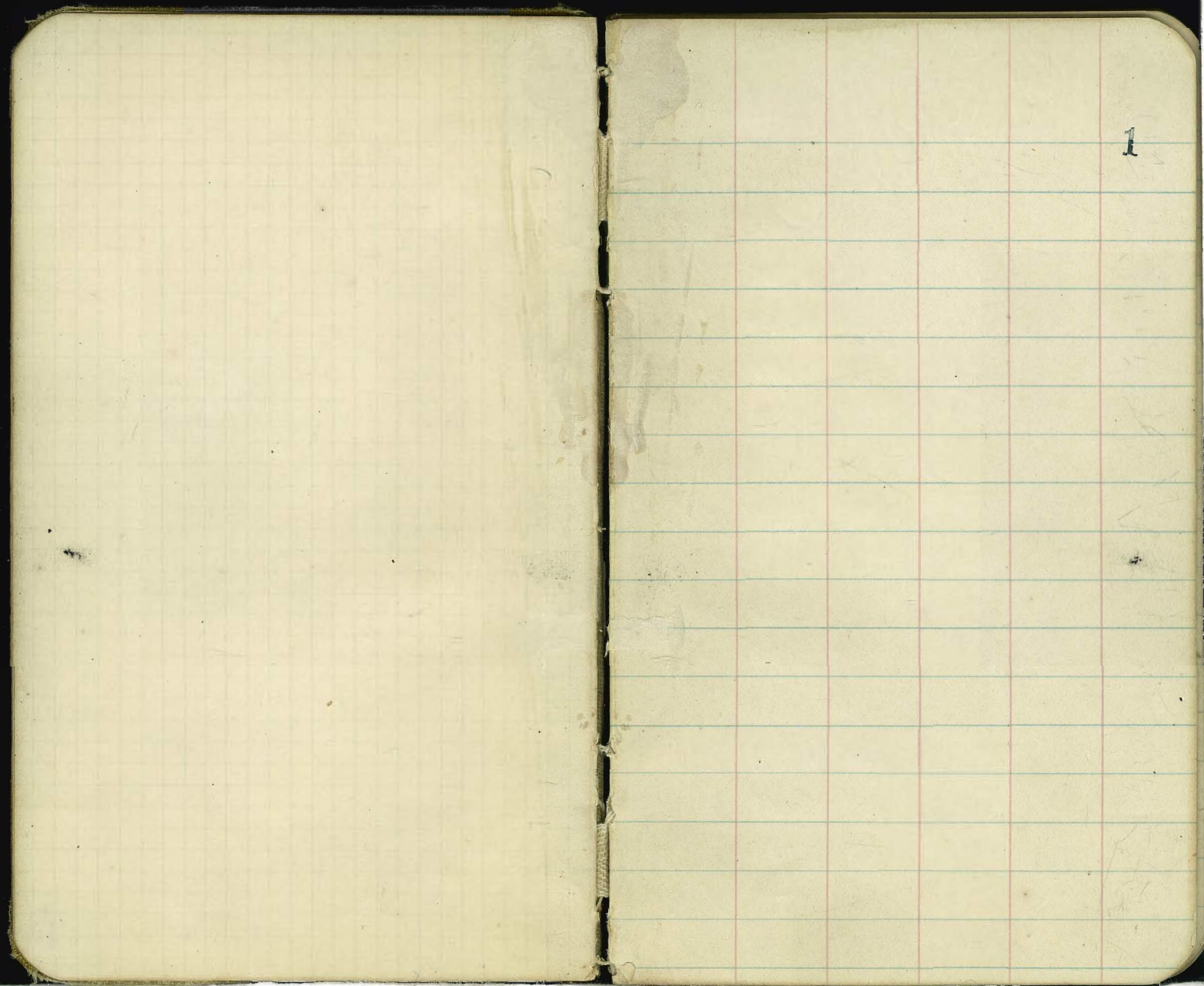


INDEX.

|  |    |
|--|----|
| Alley between Hayes & Johnson, from Vermont West                                       | 77 |
| Ampudia St. from Ft Stockton Drive North 75'   | 45 |
| Arista St from 100' N of Pine to 257' S of Ft Stockton                                 | 10 |
| " Ft Stockton to Pine (not used)   | 35 |
| " Pine to Cherry   | 48 |
| Arista Court   | 38 |
| Barnett Ave Hancock to Witherby  | 25 |
| Brickyard Canyon Serris  | 2  |
| Block 226 Middletown   | 24 |
| Canyon Line from Ft Stockton bet. Arista and Conde to Ampudia near Cherry              | 31 |
| Canyon Line Change from pt near Conde to old City Pump Plant Mission Valley (See p 10) | 34 |
| Canyon Line from pt on Arista 273' S of Ft Stockton to old Pump Plant Mission Valley   | 10 |
| Chestnut St - Witherby to Hortensia  | 22 |
| Chestnut St - From 20' N to 160' S of Jackson  | 28 |
| Conde St. - From 85' N of Pine to 71' S of Ft Stockton thence 375' to Canyon Line      | 15 |
| Conde St. - From canyon line to Chestnut   | 17 |
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| Ft Stockton Dr. - Ampudia to Arista  | 15 |
| Ft Stockton Dr. - 50' W. of Arista to Conde in canyon                                  | 18 |
| Ft. Stockton Dr. prod. W. - Arista to Conde  | 35 |
| Hancock St - Hortensia to Barnett Ave  | 25 |
| Juan St - Triggs to Harney + Blk #64 Old Town  | 29 |
| Juan St - Trias to Hortensia   | 46 |
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| Mason St. AT+SFRy R of W to Jefferson  | 42 |
| Mason St. Jefferson to Congress  | 44 |
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|  |    |
|--|----|
| Polk St - Grade for Gate Box at Univ. Hts. Res | 79 |
| Presidio Ridge Serris (not used)               | 36 |
| San Diego Ave - Wallace to Mason               | 39 |
| " " " Taylor to Wallace                        | 40 |
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| Sunset Blvd. Witherby to Hortensia             | 20 |
| Wallace St. Santa Fe R. of W. to San Diego Ave | 39 |
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| " " Rosecrans to 185' West                     | 26 |
| " " From 35' N to 160' S of Wallace St         | 27 |
| " " Taylor to 35' N of Wallace                 | 30 |
| Witherby St + La Jolla Ave Intersection        | 23 |

ENGINEERING DEPARTMENT,  
CITY OF CALIFORNIA,  
SAN DIEGO.





Brick Yard Canon Sewer

Upas up canon ground grade

Aug 4-1913

West  
Moore  
Devine

2

|                                     |       |        |        |        |  |       |
|-------------------------------------|-------|--------|--------|--------|--|-------|
| MH 2+45 <sup>s</sup>                | 4.09  | 122.91 | 118.82 |        |  |       |
| 1+00 MH 140' E of Upas              | 4.75  | 127.91 | 117.51 | 105.25 | Actual flow as constructed.<br>cell. Cr. |       |
| +50                                 |       | 8.21   | 114.70 | 107.22 | 7.5 ✓                                    |       |
| 1+00                                |       | 4.90   | 118.01 | 109.19 | 8.8 ✓                                    |       |
| +50                                 |       | 3.38   | 119.53 | 111.16 | 8.3 ✓                                    |       |
| 2+00                                |       | 3.13   | 119.78 | 113.13 | 6.6 ✓                                    |       |
| 2+45 <sup>s</sup> MH & Eagle Tr.    | 4.09  | 118.82 | 115.00 |        | 3.8 ✓                                    |       |
| 19' 24" L                           | 10.18 | 129.00 |        |        |  |       |
| 3+00                                |       | 9.18   | 119.82 | 116.58 | 3.2 ✓                                    |       |
| +50                                 | 5     | 7.28   | 121.72 | 118.04 | 3.7 ✓                                    |       |
| 4+00                                |       | 5.80   | 123.20 | 119.50 | 3.7 ✓                                    |       |
| 4+18 <sup>s</sup> MH 140' E. Falcon | 3.70  | 125.30 | 120.00 |        | 5.3 ✓                                    |       |
| 18' 40" R.                          |       |        |        |        |  |       |
| 4+50                                |       | 0.26   | 128.74 | 120.74 | 7.8 ✓                                    |       |
| 5+00                                |       | 2.47   | 126.53 | 122.40 | 4.1 ✓                                    |       |
| +50 TR. 140'                        | 12.63 | 139.83 | 1.80   | 127.20 | 123.16                                   | 3.3 ✓ |
| 6+00                                |       | 10.73  | 128.90 | 125.32 | 3.6 ✓                                    |       |
| 6+56 <sup>s</sup> MH & Falcon St.   | 7.49  | 132.34 | 127.00 |        | 5.3 ✓                                    |       |
| 14' 42" L                           |       |        |        |        |  |       |

Profile Sheet A2



139.83

|                    |                             |        |       |        |        |       |
|--------------------|-----------------------------|--------|-------|--------|--------|-------|
| 7+00               |                             |        | 3.93  | 135.90 | 128.42 | 7.5 ✓ |
| +50                | TR Hub.                     |        | 1.32  | 138.51 | 130.07 | 8.4 ✓ |
|                    | 9.81                        | 148.32 |       |        |        |       |
| 8+00               |                             |        | 8.6   | 139.7  | 131.72 | 8.0 ✓ |
| 8+38 <sup>s</sup>  | -MH-172'L (7)               |        | 9.07  | 139.25 | 133.00 | 6.3 ✓ |
| 8+50               |                             |        | 8.3   | 140.0  | 133.25 | 6.7 - |
| 9+00               |                             |        | 9.9   | 138.4  | 134.30 | 4.1 ✓ |
| +50                |                             |        | 9.4   | 138.9  | 135.36 | 3.5 ✓ |
| 10+00              |                             |        | 6.30  | 142.02 | 136.41 | 5.6 - |
| 10+15 <sup>s</sup> | MH- & Goldfisch             |        | 5.20  | 143.12 | 136.73 | 6.4 ✓ |
|                    | 49°27'R                     |        |       |        |        |       |
| 10+50              | TR Hub.                     |        | 3.97  | 144.95 | 137.46 | 7.4 ✓ |
|                    | 10.72                       | 155.67 |       |        |        |       |
| 11+00              |                             |        | 11.6  | 144.1  | 138.51 | 5.6 ✓ |
| 11+50              |                             |        | 10.14 | 145.53 | 139.57 | 6.0 ✓ |
| 11+70 <sup>s</sup> | D.M.H. & Brooks + Goldfisch |        | 7.85  | 147.82 | 140.00 | 7.8 ✓ |
|                    | D.M.H. -38°29'L             |        |       | 147.00 |        | 5.8   |



|                   | 155.67                  |       | 1420°  |        |             |
|-------------------|-------------------------|-------|--------|--------|-------------|
| 12+00             |                         | 5.0   | 150.67 | 143.35 | 7.3 ✓       |
| +50               |                         | 4.63  | 151.04 | 145.60 | 5.4 ✓       |
| 13+00             |                         | 3.82  | 151.85 | 147.85 | 4.0 ✓       |
| +50               | 10.36 162.21            | 6.14  | 156.07 | 150.10 | 6.0 ✓       |
| 14+00             |                         | 5.5   | 156.7  | 152.35 | 4.3 Not day |
| 14+32             | MH & Alley bet          | 4.38  | 157.83 | 153.00 | 4.8 "       |
| Brooks + Miss 107 |                         |       |        | 153.00 |             |
| = 7+838           | 12.32 170.15            |       |        |        |             |
| 7+50              |                         | 11.47 | 158.68 | 154.22 | 4.5 "       |
| 7+00              |                         | 10.86 | 159.29 | 156.02 | 3.3 ✓       |
| 6+73              | MH Junction at the line | 9.20  | 160.95 | 157.00 | 4.0 ✓       |
| 52+49 1/2         |                         |       |        |        |             |
| +50               |                         | 6.0   | 164.2  | 159.18 | 5.1 ✓       |
| 6+00              | TP Hub                  | 2.25  | 167.90 | 163.77 | 4.1 ✓       |
|                   | 13.06 180.76            |       |        |        |             |
| 5+50              |                         | 8.14  | 172.82 | 167.43 | 4.4         |
| 5+00              | TP Hub                  | 4.18  | 176.78 | 173.18 | 3.7         |
|                   | 11.87 188.65            |       |        |        |             |
| 4+50              |                         | 5.70  | 182.95 | 177.73 | 5.2         |
|                   |                         | 0.95  | 187.70 |        |             |
| 4+00              | T.P. track              | 10.38 | 190.07 | 182.38 | 7.7         |
|                   | 12.75 200.45            |       |        |        |             |
| 3+50              |                         | 6.42  | 194.03 | 187.03 | 7.0         |

B 482 756.



247.52  
 4.72  
 252.24

200.45

|                     |      |        |        |        |      |
|---------------------|------|--------|--------|--------|------|
| 3+00 T.P. Hub.      | 1.43 | 199.02 | 191.68 | 7.3    |      |
| 12.38 211.40        |      |        |        |        |      |
| 2+50                | 10.5 | 200.9  | 196.34 | 4.6    |      |
| 2+00                | 7.17 | 204.23 | 201.00 | 3.2    |      |
| 1+57 MH-54°56'R.    | 2.07 | 209.33 | 205.00 | 4.3    |      |
| 12.34 221.67        |      |        |        |        |      |
| 1+00 T.P. Hub. brk. | 2.04 | 219.63 | 212.62 | 7.0    |      |
| T.P. brk. 11.79     |      | 231.42 | 0.53   | 230.89 |      |
| 0+50 11.36          | 7.15 | 235.10 | 226.31 | 8.8    | 15.8 |
| T.P. brk. 10.71     |      | 252.02 | 0.94   | 241.31 |      |
| 0+00 = MH & Jackdaw | 5.21 | 246.71 | 240.00 | 6.81   | 2.8  |
| N of Brooks         |      |        |        |        |      |



|       |               |        |        |        |        |
|-------|---------------|--------|--------|--------|--------|
| 0+00  | M.H. Junction |        | 160.95 | 157.00 |        |
| =6+70 | -88°46'R      |        |        |        |        |
|       | 11.31         | 172.26 |        |        |        |
| 0+50  |               |        | 8.65   | 163.61 | 158.86 |
|       |               |        |        |        | 4.7    |
| 1+00  |               |        | 6.30   | 165.96 | 160.72 |
|       |               |        |        |        | 5.2    |
| +50   |               |        | 7.06   | 165.20 | 162.58 |
|       |               |        |        |        | 2.6    |
| 1+88  | M.H. TP 406   |        | 3.26   | 169.00 | 164.00 |
|       |               |        |        |        | 5.0    |
| =0+00 | -30°44'L      |        |        |        |        |
|       | 11.44         | 180.44 |        |        |        |
| +50   |               |        | 8.7    | 171.7  | 166.86 |
|       |               |        |        |        | 4.8    |
| 1+00  | 5             |        | 6.66   | 173.78 | 169.72 |
|       |               |        |        |        | 4.1    |
| +50   |               |        | 4.87   | 175.57 | 172.58 |
|       |               |        |        |        | 3.0    |
| 2+00  | TP Hub        |        | 1.35   | 179.09 | 175.44 |
|       |               |        |        |        | 3.7    |
| +50   | 12.70         | 191.79 | 10.7   | 181.1  | 178.30 |
|       |               |        |        |        | 2.8    |
| 3+00  |               |        | 6.2    | 185.6  | 181.16 |
|       |               |        |        |        | 4.4    |
| +50   |               |        | 4.24   | 187.55 | 184.02 |
|       |               |        |        |        | 3.5    |
| TPack |               |        | 2.13   | 189.66 |        |
| 4+00  | 13.12         | 202.78 | 8.2    | 194.6  | 186.88 |
|       |               |        |        |        | 7.7    |
| +50   |               |        | 6.33   | 196.45 | 189.74 |
|       |               |        |        |        | 6.9    |
| 5+00  |               |        | 4.70   | 198.08 | 192.60 |
|       |               |        |        |        | 5.5    |

B+12 P55



215.00  
1025  
337.35  
4.35  
200.90

|                         |                 |                     |      |        |        |
|-------------------------|-----------------|---------------------|------|--------|--------|
|                         |                 | 202.78              |      | 175.44 |        |
| 450                     |                 |                     |      |        |        |
| 5+60 = MH               | TP. 11.6        | - Jet of Canon line | 1.41 | 201.37 | 196.00 |
|                         |                 |                     |      |        | 5.4    |
| = 2+56 1/2              |                 | from Sutter St.     |      |        | 196.00 |
| 54'00" R.               | 12.62           | 213.99              |      |        |        |
| 2+00                    |                 |                     | 6.67 | 207.32 | 201.71 |
|                         |                 |                     |      |        | 5.6    |
| 1+50                    |                 |                     | 3.8  | 210.2  | 206.81 |
|                         |                 |                     |      |        | 3.4    |
| 1+00                    | TP. rock.       |                     | 0.82 | 213.17 | 211.91 |
|                         | 11.70           | 224.87              |      |        | 3.1    |
| 0+60                    | TP. rock. 11.76 |                     | 9.9  | 215.00 | 216.00 |
|                         |                 |                     | 11.2 | 223.73 |        |
| 0+50                    | 12.04           | 235.77              |      |        | 4.9    |
|                         |                 |                     | 9.0  | 226.80 | 220.50 |
|                         |                 |                     |      |        | 6.3    |
| 0+100 = MH              | TP. 12.03       | 246.20              | 1.60 | 234.17 |        |
|                         | 8.40            | 254.25              | 1.35 | 245.85 |        |
| bet Goldsmith & Jackson |                 |                     | 2.25 | 244.70 | 243.00 |
|                         |                 |                     |      |        | 5.7    |
|                         |                 | 254.25              |      |        |        |
| Profile 00              |                 |                     | 5.6  | 248.7  |        |
| +14                     | Apron PL        |                     | 5.9  | 248.5  |        |
| +25                     |                 |                     | 11.6 | 242.7  |        |
| +33                     |                 |                     | 16.6 | 237.7  |        |
| +38                     |                 |                     | 21.6 | 232.7  |        |
| +50                     |                 |                     |      | 226.8  |        |
| +60                     |                 |                     |      | 222.0  |        |



5+60 = M.H. Junction. 261.37 196.00 5.4  
 31.02 12.90 214.27

6+00 6.3 208.0 202.40 5.6

T.P. rock 1.11 213.76  
 +50. 12.87 226.03 11.05 214.98 210.40 4.6

7+00 T.P. Hub. 6.22 219.81 218.40 1.4

+50 = D.E. 12.81 232.12 1.86 230.26 226.40 3.9

D.E. at 7+50

8+10 234.40

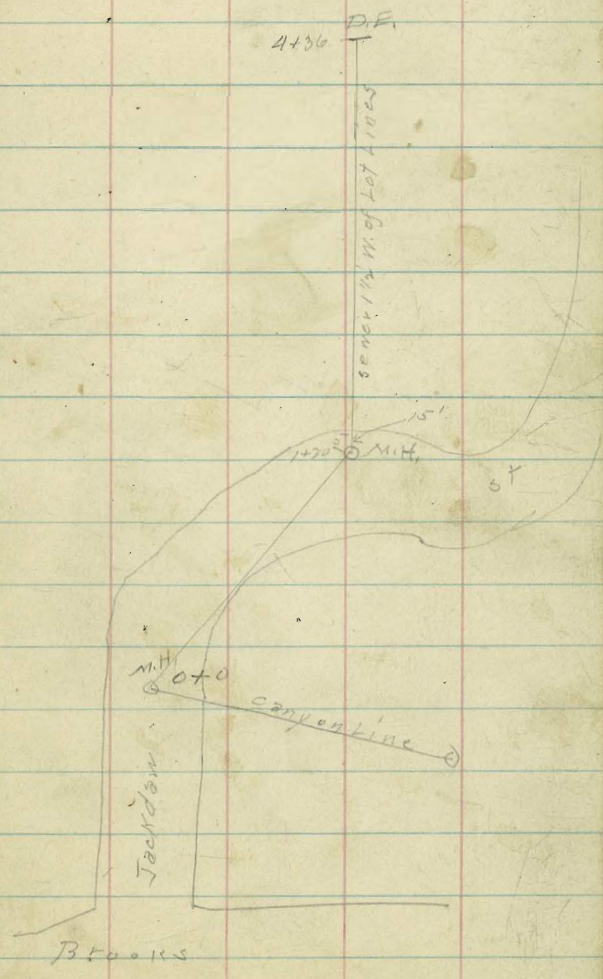
8+10 236.00

See Book 355 P. 47, 48 + 49  
 for new lines.



247.52  
 4.61  
 252.13  
 40.00  
 212

|           |        |        |      |        |        |     |
|-----------|--------|--------|------|--------|--------|-----|
| B.M.      | 12.80  | 247.70 |      | 235.10 |        |     |
| T.P.      | 11.05  | 258.57 | 0.38 | 247.52 |        |     |
| 0+0 M.H.  |        |        |      | 240.00 | 6.8    |     |
| +50       |        |        | 9.90 | 248.67 | 242.0  | 6.7 |
| 1+0       |        |        | 9.1  | 249.5  | 244.0  | 5.5 |
| 1+20.5    | M.H. ? |        | 9.1  | 249.5  | 244.82 | 4.7 |
| 50        |        |        | 6.1  | 252.5  | 246.00 | 6.5 |
| 2+0       | ↳      |        | 6.01 | 252.56 | 248.00 | 4.6 |
| +50       |        |        | 4.9  | 253.7  | 250.00 | 3.7 |
| 3+0 break |        |        | 0.81 | 259.76 | 252.00 | 5.8 |
| T.P.      | 10.99  | 268.75 | 0.81 | 259.76 |        |     |
| +50       |        |        | 6.6  | 262.1  | 255.31 | 6.8 |
| 4+0       |        |        | 3.5  | 265.9  | 258.62 | 6.6 |
| 4+36 D.F. |        |        | 2.57 | 266.18 | 261.00 | 5.2 |





B/v/ Preliminary Sewer on  
 Arista St. from 100' N. of  
 N.L. ex Pine to 257' S. of 51. of  
 Ft Stockton thence down  
 Canon N.W.  
 See Book 969-3 for Ties etc

24563

10900  
 75 76  
 10900

10

|                                      |      |        |         |                                      |                  |        |        |                    |        |
|--------------------------------------|------|--------|---------|--------------------------------------|------------------|--------|--------|--------------------|--------|
|                                      | 1.22 | 268.28 | 267.06  | NE. Trine<br>4 Ft Stock              | 5                | 3.9    | 241.7  | 10+70.29<br>or Mon |        |
| T.P.                                 | 0.81 | 257.05 | 256.24  |                                      | +20              | 4.1    | 241.5  | Contd Page 35      |        |
| 0+00 = 4 Arista 100' N. of N.L. Pine | 6.14 | 250.91 | on stub | +50                                  | 6.2              | 239.4  |        |                    |        |
| +50                                  |      | 8.8    | 248.3   | +80                                  | 7.3              | 238.3  |        |                    |        |
| +90                                  |      | 10.7   | 246.4   | 6<br>0463.63 =<br>6+59.92<br>Page 32 | 7.0              | 239.6  |        |                    |        |
| 1                                    |      | 11.9   | 245.2   | 6+96.29                              | +25              | 7.3    | 238.3  |                    |        |
| +25 = 6 ex Pine                      | 1.53 | 245.63 | 244.10  | 7+21.29<br>or Mon                    | +50              | 9.3    | 236.3  |                    |        |
| +30                                  |      | 0.8    | 244.8   | 7+26.29                              | T.P. 0.24        | 233.0  | 12.87  |                    | 232.76 |
| +50                                  |      | 2.4    | 243.2   | 7+46.29                              | +80              | 2.2    | 230.8  |                    |        |
| 2                                    |      | 4.6    | 241.0   | 7+96.29                              | 7                | 10.2   | 222.8  |                    |        |
| +50                                  |      | 6.2    | 239.4   | 8+46.29                              | +2.0             | 11.8   | 221.2  |                    |        |
| 3                                    |      | 7.6    | 238.0   | 8+96.29                              | +35              | 13.4   | 219.6  |                    |        |
| +30                                  |      | 6.9    | 238.7   | 9+26.29                              | +57 A 101' 60' R | 11.83  | 221.17 | on stub            |        |
| +50                                  |      | 5.4    | 240.2   | 9+46.29                              | T.P. 0.99        | 221.22 | 12.77  | 220.23             |        |
| +70                                  |      | 4.5    | 241.1   | 9+66.29                              | +77              | 13.5   | 207.7  |                    |        |
| 4                                    |      | 4.3    | 241.3   | 9+96.29                              | T.P. 0.26        | 208.75 | 12.73  | 208.49             |        |
| +50                                  |      | 4.5    | 241.1   | 10+46.29                             | 8.               | 14.9   | 195.9  |                    |        |



70575

|      |      |                     |       |                     |
|------|------|---------------------|-------|---------------------|
| T.P. | 0.34 | 196.22 <sup>✓</sup> | 1287  | 195.88 <sup>✓</sup> |
| 8+15 |      |                     | 10.4  | 185.8 creek         |
| T.P. | 0.63 | 183.85 <sup>✓</sup> | 13.00 | 183.22 <sup>✓</sup> |
| +50  |      |                     | 5.6   | 178.3 creek         |
| +62  |      |                     | 7.6   | 176.3 ✓             |
| +72  |      |                     | 4.2   | 179.7               |
| +85  |      |                     | 6.5   | 177.4               |
| 9    |      |                     | 13.1  | 170.8 creek         |
| T.P. | 1.18 | 172.42 <sup>✓</sup> | 12.61 | 171.24 <sup>✓</sup> |
| +40  |      |                     | 6.4   | 166.0               |
| +50  |      |                     | 9.2   | 163.2               |
| +65  |      |                     | 13.0  | 159.4 creek         |
| T.P. | 0.37 | 160.04 <sup>✓</sup> | 12.75 | 159.67 <sup>✓</sup> |
| 10   |      |                     | 5.9   | 154.1 creek         |
| +25  |      |                     | 9.5   | 150.5               |
| +50  |      |                     | 13.4  | 146.6 creek         |
| T.P. | 1.28 | 148.72 <sup>✓</sup> | 12.60 | 147.44 <sup>✓</sup> |
| +75  |      |                     | 1.8   | 146.9               |

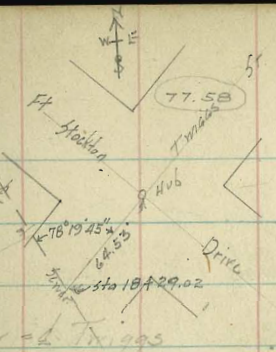
11

|  |      |                     |       |                        |
|--|------|---------------------|-------|------------------------|
| 11+00                                      |      |                     | 5.1   | 143.6                  |
| +14.31 = 2 Conds                           |      |                     | 8.4   | 140.3                  |
| +50  |      |                     | 13.3  | 135.4                  |
| T.P.                                       | 0.25 | 136.34 <sup>✓</sup> | 12.63 | 136.09 <sup>✓</sup>    |
| +62  |      |                     | 4.8   | 131.5                  |
| +74  |      |                     | 8.2   | 128.1 creek            |
| +80  |      |                     | 4.3   | 132.0                  |
| +94 = hvd. str. 6+773 on Conds<br>St. Line |      |                     |       | 4+52.56                |
| 12   |      |                     | 8.7   | 127.6 4+58.56          |
| +13  |      |                     | 13.2  | 123.1 4+71.56<br>creek |
| +18  |      |                     | 13.5  | 122.8 4+76.56          |
| +43  |      |                     | 10.6  | 125.7 4+81.56          |
| +50  |      |                     | 12.2  | 124.1 5+00.56          |
| +65  |      |                     | 12.5  | 123.8 5+23.56          |
| +88  |      |                     | 15.5  | 120.8 5+46.56          |
| T.P.                                       | 0.16 | 123.66 <sup>✓</sup> | 12.84 | 123.50 <sup>✓</sup>    |
| 13   |      |                     | 8.0   | 115.7 5+58.56          |
| +13  |      |                     | 8.7   | 115.0 5+71.56          |
| +28  |      |                     | 0.5   | 123.2 5+96.56          |



|                   |      |        |       |        |                  |
|-------------------|------|--------|-------|--------|------------------|
|                   |      | 123.66 |       |        |                  |
| +50               |      |        | 8.3   | 115.4  | 6+08.56          |
| T.P.              | 1.50 | 113.06 | 12.40 | 111.26 |                  |
| +68               |      |        | 5.7   | 107.9  | 6+26.56          |
| 14                |      |        | 5.3   | 107.8  | 6+58.56          |
| +13               |      |        | 3.1   | 110.0  | 6+71.56          |
| +50               |      |        | 6.1   | 107.0  | 7+08.56          |
| +11.3 = L. Harnox |      |        | 8.6   | 104.5  | 7+29.86          |
| 15                |      |        | 13.2  | 99.9   | 7+58.76          |
| T.P.              | 0.46 | 100.43 | 13.09 | 99.97  |                  |
| +30               |      |        | 9.8   | 90.6   | 7+88.56          |
| +45               |      |        | 5.8   | 94.6   | 8+03.56          |
| +50               |      |        | 6.3   | 99.1   | 8+08.56          |
| +65               |      |        | 8.6   | 91.8   | 8+23.56          |
| T.P.              | 1.45 | 89.02  | 12.86 | 87.57  |                  |
| 16                |      |        | 5.7   | 83.3   | 8+58.56<br>creek |
| +50               |      |        | 1.30  | 87.7   | 9+08.56          |
| +80               |      |        | 2.9   | 86.1   | 9+38.56          |
| 17                |      |        | 5.7   | 83.3   | 9+58.56          |
| T.P.              | 1.31 | 77.58  | 12.75 | 76.27  |                  |

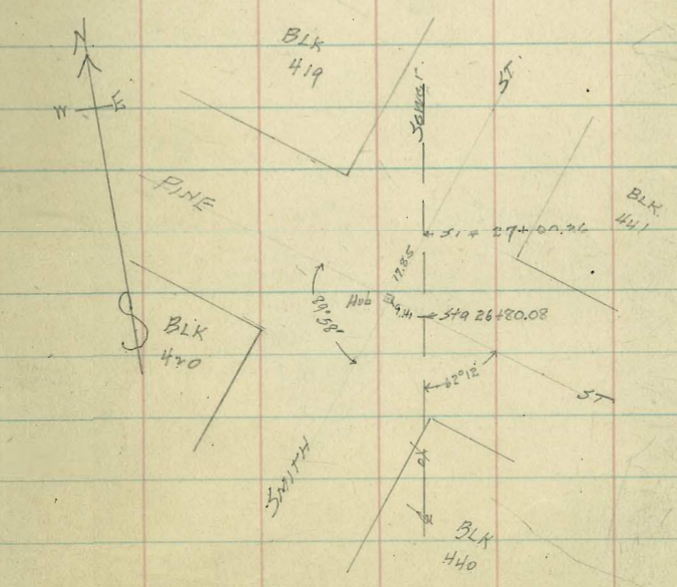
|                    |      |  |  |  |  |       |       |                    |
|--------------------|------|--|--|--|--|-------|-------|--------------------|
|                    |      |  |  |  |  |       |       | 12                 |
| +50                |      |  |  |  |  | 7.6   | 75.0  | 10+09.56           |
| +75                |      |  |  |  |  | 4.6   | 73.0  | 10+33.56           |
| 18                 |      |  |  |  |  | 8.6   | 69.0  | 10+58.56           |
| +29.0 = L. Tr. gas |      |  |  |  |  | 11.64 | 66.0  | 10+87.58           |
| +50                |      |  |  |  |  | 13.3  | 64.3  | 10+08.56           |
| T.P.               | 0.17 |  |  |  |  | 64.76 | 12.99 | 64.59              |
| +65                |      |  |  |  |  | 3.2   | 61.4  | 11+23.56           |
| 19                 |      |  |  |  |  | 7.2   | 57.6  | 11+58.56           |
| +06.0              |      |  |  |  |  | 7.7   | 57.1  | 11+64.56           |
| +14.0              |      |  |  |  |  | 11.8  | 53.0  | 11+72.56           |
| +22.0              |      |  |  |  |  | 14.1  | 50.7  | 11+90.56<br>creek  |
| T.P.               | 0.15 |  |  |  |  | 52.04 | 12.89 | 51.89              |
| +50                |      |  |  |  |  | 2.8   | 49.2  | 12+08.56<br>creek  |
| 20                 |      |  |  |  |  | 7.9   | 44.1  | 12+58.56           |
| +15                |      |  |  |  |  | 10.2  | 41.8  | 12+73.56           |
| +50                |      |  |  |  |  | 11.7  | 40.3  | 13+08.56           |
| T.P.               | 0.37 |  |  |  |  | 39.35 | 13.06 | 38.98              |
| 20+75. Δ 14054 P   |      |  |  |  |  | 1.07  | 38.3  | 13+58.56<br>38.28' |
|                    |      |  |  |  |  |       |       | Change See Page 34 |



These stations used in plotting (EAT. 11-2-24)



|    |                                  |       |       |             |                               |
|----|----------------------------------|-------|-------|-------------|-------------------------------|
|    |                                  | 39.35 |       |             |                               |
| 40 | +86.5 = Center of 14" water main | 3.5   | 35.9  | Top of pipe | +50                           |
| 41 |                                  | 3.7   | 35.7  | creek       | +70                           |
|    | +50                              | 6.5   | 32.9  |             | 26+80.08 = Pine St.           |
| 42 |                                  | 9.8   | 29.6  |             | +50                           |
|    | +50                              | 12.8  | 26.6  |             | +65                           |
|    | T.P. 1.44                        | 28.04 | 12.75 | 26.60       | +70                           |
| 43 |                                  | 4.0   | 29.0  | creek       | 28                            |
|    | +12                              | 1.1   | 26.9  |             | on Wall of old Pumping Plant. |
|    | +50                              | 4.8   | 23.2  |             |                               |
| 44 |                                  | 8.4   | 19.6  |             |                               |
|    | +36                              | 11.8  | 16.2  | creek       |                               |
|    | +66 $\Delta$ 35°32' P            | 11.89 | 16.1  | on stub     |                               |
|    | T.P. 1.23                        | 16.26 | 13.01 | 15.03       |                               |
| 45 |                                  | 1.6   | 14.7  |             |                               |
|    | +50                              | 3.9   | 12.4  |             |                               |
|    | +60                              | 3.2   | 13.1  |             |                               |
| 46 |                                  | 4.4   | 11.9  |             |                               |
|    | +12 = center of Road approx      | 4.8   | 11.8  |             |                               |





5/12/21

Gregory  
Moore  
Miller

Sewer Levels on 4<sup>th</sup> of  
Pine St from 235<sup>th</sup> E  
to 4<sup>th</sup> of Arista St to  
4 ✓ ✓ ✓ ✓

|   |       |          |                    |
|---|-------|----------|--------------------|
| on stub   | 10.51 | 261.62 ✓ | 250.91 ✓ (page 10) |
|   | 11.63 | 263.49 ✓ | 0.56 260.26 ✓      |
| Sta 1+25 page 10<br>= 0+00 = 4 <sup>th</sup> Arista |       | 19.39    | 244.10 ✓           |
| +50   |       | 13.7     | 249.8 ✓            |
|   |       | 6.7      | 256.8              |
| +50   |       | 3.8      | 259.7              |
| ✓   |       | 2.2      | 261.3              |
| +35   |       | 0.83     | 262.7 on stub      |

Sewer Levels on Pine St from 4<sup>th</sup> of  
Arista to 235<sup>th</sup> W

253.50 from page 15

|   |      |                |
|---|------|----------------|
| Sta 1+25 page 10<br>= 0+00 = 4 <sup>th</sup> Arista | 9.40 | 244.1          |
| +50   | 11.6 | 241.9          |
|   | 12.6 | 240.7          |
| +50   | 12.0 | 241.5          |
| ?   | 8.0  | 245.5          |
| +35   | 3.32 | 250.18 on stub |
| TP  | 6.15 | 247.40 ✓       |



5/12/11  
Gregory Moore Miller  
Sewer Levels & of  
Ft Stockton Drive  
from & of Ampudia to  
Arista

|                        |       |        |                 |
|------------------------|-------|--------|-----------------|
| on 11/5                | 12.58 | 263.49 | 25091 (page 10) |
| 0+00 = & of Ampudia    |       | 7.2    | 256.3           |
| +24                    |       | 7.4    | 256.1           |
| +46                    |       | 6.3    | 257.2           |
| +50                    |       | 8.2    | 255.3           |
| 1                      |       | 10.6   | 252.9           |
| +50                    |       | 13.0   | 250.5           |
| T.P.                   | 2.97  | 253.50 | 14.96 250.50    |
| 2                      |       | 5.2    | 250.3           |
| +50                    |       | 6.5    | 247.0           |
| 3                      |       | 8.8    | 244.7           |
| +50 = Sta 4+95 page 10 |       | 12.57  | 240.20          |

5/12/11  
Gregory Moore Miller  
Sewer Levels  
& of Conde from  
80' N. of Pine St to  
71.5' of Ft Stockton thence  
SW to Junction with Canon  
Linas

|                          |        |        |                       |
|--------------------------|--------|--------|-----------------------|
| 10.50                    | 257.90 | 247.40 | T.P. 27 page 14       |
| 0+00 = 80' N. of Pine St |        | 4.1    | 253.8 = Edge of block |
| +50                      |        | 7.6    | 250.3                 |
| 1+05 = & of Pine         |        | 11.10  | 246.8 on 11/10        |
| T.P.                     | 0.66   | 245.16 | 13.10 244.30          |
| 1+50                     |        | 1.9    | 243.6                 |
| 2                        |        | 6.2    | 239.3                 |
| +23                      |        | 8.7    | 236.8                 |
| T.P.                     | 1.01   | 233.36 | 13.11 232.35          |
| +50                      |        | 3.2    | 230.2                 |
| 3                        |        | 12.2   | 221.0                 |
| T.P.                     | 0.30   | 220.77 | 12.59 220.47          |
| +50                      |        | 6.8    | 214.0                 |
| T.P.                     | 0.03   | 208.08 | 12.72 208.05          |
| 4+10                     |        | 1.9    | 206.2                 |
| +35                      |        | 10.6   | 197.5                 |
| T.P.                     | 0.06   | 195.21 | 12.93 195.15          |



19521

|                       |      |        |        |                    |
|-----------------------|------|--------|--------|--------------------|
| 4+50                  |      | 1.4    | 193.8  |                    |
| +55 = 4 Ft. Station   |      | 4.75   | 190.9  | on stub            |
| T.P.                  | 0.01 | 182.49 | 17.73  | 182.48             |
| +75                   |      | 4.6    | 177.9  |                    |
| +79                   |      | 8.8    | 173.7  |                    |
| T.P.                  | 0.49 | 170.17 | 12.81  | 169.68             |
| 5                     |      | 10.2   | 159.8  |                    |
| T.P.                  | 0.59 | 157.81 | 12.93  | 157.84             |
| +26 $\Delta$ 50°30' P |      | 10.08  | 147.73 | 3+01.26<br>on stub |
| +50                   |      | 12.30  | 145.5  | 3+25.26            |
| T.P.                  | 0.62 | 145.37 | 13.06  | 144.75             |
| +95 $\Delta$ 33°00' L |      | 5.49   | 139.9  | 3+70.26<br>on stub |
| 6+30                  |      | 12.0   | 133.7  | 4+05.26            |
| T.P.                  | 1.49 | 138.10 | 11.92  | 133.43             |
| 6+42                  |      | 8.8    | 129.3  | 4+17.26            |
| +55                   |      | 11.2   | 126.9  | 4+30.26            |
| +64                   |      | 13.6   | 124.5  | 4+39.26<br>on stub |
| +66                   |      | 8.8    | 129.3  | 4+41.26            |

These sta. were used in plotting profile CAT 11-10-24  
 See page 18

16

6+77.3 =  
11+94 page 11

8.95 129.1

4+52.56  
on stub

Cont'd Page 11







5/13

Gregory  
Miller  
show

Sewer Levels on 2  
Ft. Stockton from  
50' W. of W.L. Frister, Mast  
to G. Conde in Canon

50°30'  
27°23'20"  
126°30'  
4057'30"  
10°21'05"

|                               |      |        |       |        |                        |       |        |                |
|-------------------------------|------|--------|-------|--------|------------------------|-------|--------|----------------|
|                               |      |        |       |        | 2+85                   | 0.2   | 168.7  |                |
|                               | 1.14 | 222.07 |       | 240.93 | 2+92.90                | 3.81  | 165.1  | on stub ✓      |
|                               |      |        |       |        | 32                     | 5.2   | 163.7  |                |
| 0+00 = 50' W. of W.L. Frister |      |        | 11.9  | 230.2  |                        |       |        |                |
| T.P.                          | 0.69 | 220.01 | 12.75 | 229.32 | +40                    | 10.3  | 158.6  |                |
| +50                           |      |        | 8.3   | 221.7  | T.P.                   | 12.8  | 159.8  | 12.83 156.56 ✓ |
| T.P.                          | 0.56 | 217.53 | 13.05 | 216.96 | +70                    | 4.7   | 153.1  |                |
| +75                           |      |        | 7.7   | 214.8  | +76                    | 4.3   | 153.5  |                |
| +90                           |      |        | 9.1   | 208.7  | +90                    | 7.8   | 150.0  |                |
| T.P.                          | 0.43 | 205.35 | 12.60 | 204.92 | 3+01.26                |       |        |                |
| 1                             |      |        | 4.8   | 200.6  | 2+01.26 = 5+26 page 16 | 10.13 | 149.71 | = 73           |
| T.P.                          | 0.14 | 193.06 | 12.43 | 192.92 | = 4 Conde              |       |        |                |
| +15                           |      |        | 5.1   | 188.0  | 1°26'30" R             |       |        |                |
| +45                           |      |        | 11.5  | 181.6  |                        |       |        |                |
| T.P.                          | 1.25 | 181.50 | 12.81 | 180.25 |                        |       |        |                |
| +40                           |      |        | 9.5   | 172.0  |                        |       |        |                |
| +60                           |      |        | 8.4   | 173.1  |                        |       |        |                |
| +70                           |      |        | 11.6  | 169.9  |                        |       |        |                |
| T.P.                          | 0.29 | 168.89 | 12.90 | 168.60 |                        |       |        |                |

Plotted  
11-12-24  
CAT

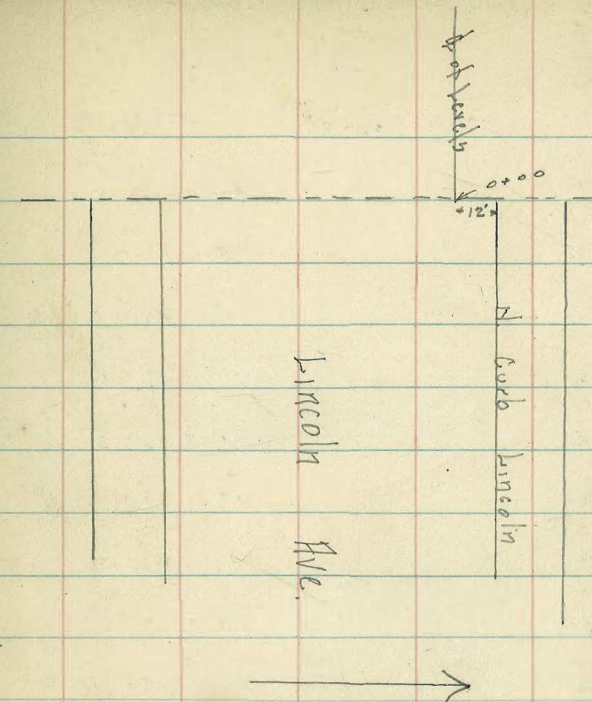
Cont'd. Page 16



4/21/24 Gregory Levels for Culvert  
on End of Lincoln

|  | 180  | 293.86 | 292.06 | 50x 5W<br>Lincoln St |
|--|------|--------|--------|----------------------|
|  | 1.22 | 282.03 | 130.5  | 280.51               |
| 0+00                                   |      |        | 3.6    | 278.4                |
| +17                                    |      |        | 4.7    | 277.3                |
| +30                                    |      |        | 11.0   | 271.0                |
| +39                                    |      |        | 12.8   | 269.2                |
| +50                                    |      |        | 17.2   | 264.8                |
| +53 = opposite end of present pipe     |      |        | 18.1   | 263.9                |
| +57                                    |      |        | 22.0   | 260.0                |
| on <sup>N</sup> curb at End of Lincoln |      |        | 3.96   | 278.07               |

19





5/23/24 Gregory Levels & Sunsat Blvd  
 from 6 of Witherby to  
 6 of Hortensia

|               |     |       |        |                         |                   |      |       |
|---------------|-----|-------|--------|-------------------------|-------------------|------|-------|
| 6 of Witherby | 189 | 2229  | 261.22 | NE Witherby<br>& Sunsat | +32               | 2.6  | 235.6 |
| 20+00         |     |       | 1.6    |                         | +42               | 7.5  | 230.7 |
| +25           |     |       | 1.0    |                         | +50 = 6 Hortensia | 11.1 | 227.1 |
| +40           |     |       | 0.7    |                         |                   |      |       |
| +65           |     |       | 2.3    |                         |                   |      |       |
| +85           |     |       | 4.4    |                         |                   |      |       |
| +92           |     |       | 4.7    |                         |                   |      |       |
| 1             |     |       | 6.7    |                         |                   |      |       |
| +40           |     |       | 7.7    |                         |                   |      |       |
| +21           |     |       | 7.1    |                         |                   |      |       |
| +60           |     |       | 10.4   |                         |                   |      |       |
| T.P.          | 015 | 25020 | 12.86  |                         |                   |      |       |
| 2             |     |       | 1.2    |                         |                   |      |       |
| +50           |     |       | 4.1    |                         |                   |      |       |
| 3             |     |       | 6.5    |                         |                   |      |       |
| +10           |     |       | 7.3    |                         |                   |      |       |
| +45           |     |       | 12.0   |                         |                   |      |       |
| T.P.          | 084 | 23823 | 12.81  |                         |                   |      |       |

Plotted on Sewer  
 Profile sheet 5-27-24  
 CAT

Make 5.0  
 deep here

4' is deep  
 enough here



5/23/24

Levels on  $\frac{1}{2}$  of Whitman  
from  $\frac{1}{2}$  of Witherby to  
 $\frac{1}{2}$  of Hortensia  
This st. is graded on  $N\frac{1}{2}$

|                              |      |        |       |   |
|------------------------------|------|--------|-------|---|
|                              | 120  | 2622   | 26102 |   |
| $\frac{1}{2}$ Witherby       |      |        |       |   |
| +000                         |      | 5.9    | 256.3 |   |
| +10                          |      | 5.5    | 256.7 |   |
| +25 = $\frac{1}{2}$ Witherby |      | 6.3    | 256.9 | 8'5" sections<br>pieces of<br>Witherby<br>for elevs<br>at |
| +60                          |      | 11.0   | 251.2 | 8'5" = 4' lower   |
| T.P.                         | 0.34 | 249.64 | 12.92 | 249.30  |
| 1                            |      | 3.8    | 245.8 | 8'5" = 3.6<br>Lower                                       |
| +50                          |      | 10.8   | 238.8 | 8'5" =<br>4' Lower  |
| T.P.                         | 0.23 | 237.17 | 12.70 | 236.94  |
| +90                          |      | 3.8    | 233.4 | 8'5"<br>5.6 Lower   |
| 2                            |      | 7.1    | 230.1 | 8'3"<br>5.9 Lower   |
| T.P.                         | 00.~ | 224.24 | 12.95 | 224.22  |
| +30                          |      | 1.7    | 222.5 | 8'5"<br>4.6 Lower   |
| +45                          |      | 5.6    | 218.6 | 8'5"<br>2.6 Lower   |
| +65                          |      | 13.1   | 211.1 |   |
| T.P.                         | 0.10 | 211.57 | 12.77 | 211.47  |
| +85                          |      | 11.5   | 200.1 |   |
| T.P.                         | 0.61 | 199.58 | 12.60 | 198.97  |

199.58

21

|     |      |       |
|-----|------|-------|
| +87 | 3.5  | 196.1 |
| +97 | 7.2  | 192.2 |
| 3   | 6.8  | 192.8 |
| +18 | 13.8 | 185.8 |
| +19 | 17.9 | 181.7 |
| +25 | 18.0 | 181.6 |
| +30 | 15.6 | 184.0 |
| +50 | 6.3  | 193.3 |

Plotted on Sewer  
Profile Sheet #1  
5-27-24



5/20/24

Levels of Chesnut  
of Witherby to of Hortensis

|                        |      |        |        |       |
|------------------------|------|--------|--------|-------|
|                        | 1.05 | 262.07 | 261.02 |       |
| TP                     | 0.49 | 250.61 | 254.12 |       |
| of Witherby<br>= 0.400 |      |        | 1.5    | 253.1 |
| +14                    |      |        | 2.3    | 252.3 |
| +16                    |      |        | 1.7    | 252.9 |
| +18 ok                 |      |        | 1.2    | 253.4 |
| +40                    |      |        | 3.4    | 251.2 |
| +50                    |      |        | 5.5    | 249.1 |
| +57                    |      |        | 5.8    | 248.8 |
| +75                    |      |        | 8.0    | 246.6 |
| +84                    |      |        | 11.5   | 243.1 |
| TP                     | 0.13 | 242.36 | 242.17 |       |
| +89                    |      |        | 10.4   | 231.9 |
| +94                    |      |        | 11.8   | 230.5 |
| +100                   |      |        | 9.0    | 233.3 |
| +05                    |      |        | 9.8    | 232.5 |
| +45                    |      |        | 7.8    | 234.5 |
| +30                    |      |        | 14.5   | 237.8 |

Drops in  
wash here5' S  
5' lower  
1' S  
9' ✓  
3' S  
6.0' ✓

22

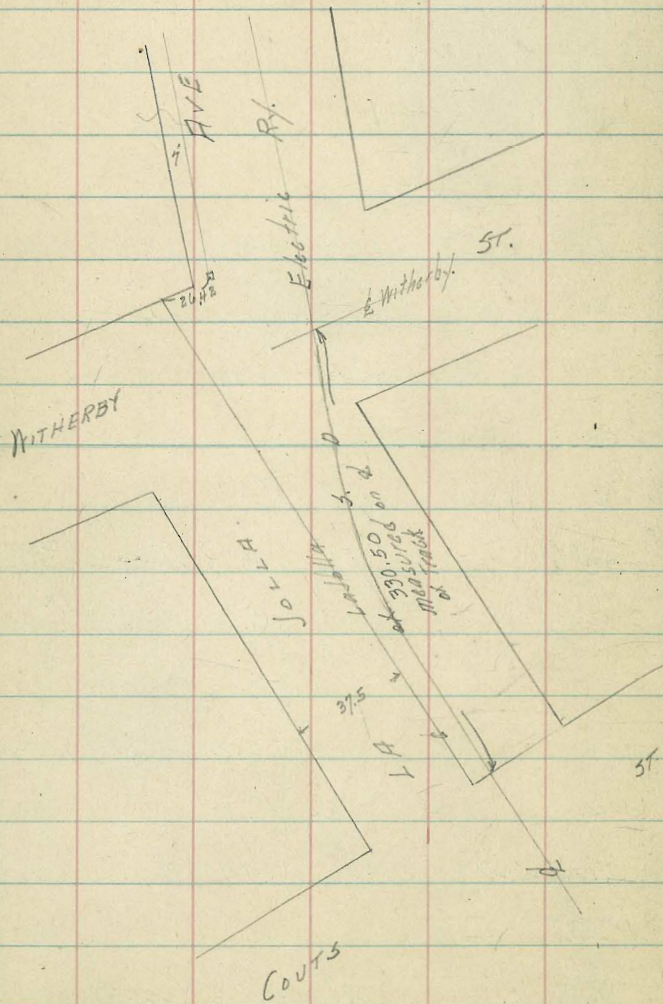
|     |       |        |       |        |
|-----|-------|--------|-------|--------|
| TP  | 0.90  | 230.16 | 13.0  | 229.26 |
| +41 |       |        | 6.7   | 223.5  |
| +45 |       |        | 9.7   | 220.5  |
| +67 |       |        | 14.1  | 216.1  |
| +80 |       |        | 10.1  | 220.1  |
| +90 |       |        | 12.0  | 218.2  |
| TP  | 0.60  | 217.50 | 12.96 | 217.20 |
| +20 |       |        | 3.6   | 214.2  |
| +36 |       |        | 9.1   | 208.7  |
| +42 |       |        | 13.7  | 204.1  |
| +48 |       |        | 15.5  | 202.3  |
| +50 |       |        | 13.6  | 204.2  |
| +70 |       |        | 10.4  | 207.4  |
| +90 |       |        | 4.7   | 213.1  |
| TP  | 12.08 | 229.78 | 0.10  | 217.70 |
| +20 |       |        | 4.9   | 224.9  |
| TP  | 11.38 | 240.91 | 0.26  | 229.53 |
| +40 |       |        | 7.7   | 233.3  |
| +50 |       |        | 4.7   | 236.2  |

crosses  
wash from  
N. here



5/23/24 Gregory. Sewer Measurements  
La Jolla & Witherby STs

23



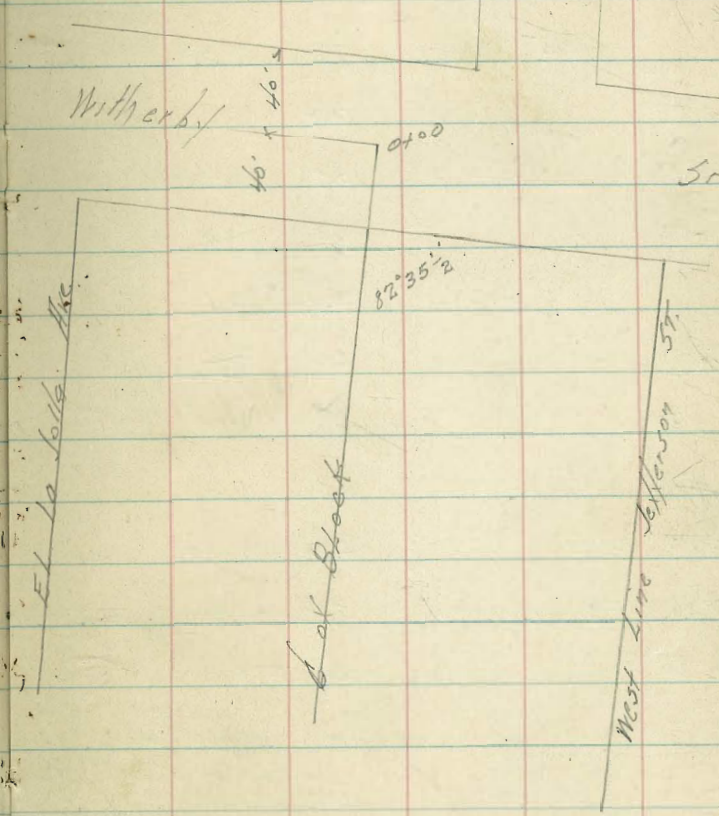


5/23/24 Gregory Levels on E of  
Block between La Jolla  
and Jefferson from E of  
Withersby to 469.34' S

|                             |       |        |      |        |
|-----------------------------|-------|--------|------|--------|
|                             | 1278  | 82.68  |      | 69.90  |
|                             | 1279  | 95.39  | 0.08 | 82.60  |
| E of Withersby<br>20 to 100 | 12.69 | 107.62 | 0.46 | 92.93  |
| +40                         |       |        | 11.1 | 96.5   |
| +70                         |       |        | 10.1 | 97.5   |
| 1                           |       |        | 9.1  | 98.5   |
| +40                         |       |        | 7.3  | 100.3  |
| +70                         |       |        | 6.1  | 101.5  |
| 2                           |       |        | 4.4  | 103.2  |
| +70                         |       |        | 3.2  | 104.4  |
| +20                         |       |        | 2.3  | 105.3  |
| T.P.                        | 5.33  | 112.27 | 0.68 | 106.94 |
| +45                         |       |        | 5.3  | 107.0  |
| +55                         |       |        | 3.9  | 108.4  |
| +69.34                      |       |        | 3.4  | 108.9  |

La Jolla - Withersby  
Curbline

Profile plotted - Old Town Sewers  
CAT 5.26.34





5/23/21  
 Levels on C of  
 Hancock St. from  
 C of Hortensia to  
 3.53, ex S. Edge of Tide St  
 Paring thence East to  
 C of Witherby

|                    |       |       |            |
|--------------------|-------|-------|------------|
| 6 Hortensia        | 6.75  | 17.29 | 10.54      |
| 2000               |       | 2.2   | 15.1       |
| +50                |       | 3.9   | 13.4       |
| +75                |       | 4.3   | 13.0       |
| 1                  |       | 5.2   | 12.1       |
| +15'               |       | 6.2   | 11.1       |
| +50                |       | 6.6   | 10.7       |
| +59.0 Hedge paring |       | 6.30  | 11.0       |
| +92.5 ✓            |       | 5.63  | 11.66      |
| +96.4 = Δ          |       | 5.4   | 11.9       |
| 2 +50              |       | 3.4   | 13.9       |
| 3                  |       | 1.4   | 15.9       |
| T.P.               | 11.10 | 27.56 | 0.83 16.46 |
| +50                |       | 10.3  | 17.3       |
| +75                |       | 9.7   | 17.9       |
| 4                  |       | 8.9   | 18.7       |
| +45                |       | 7.5   | 20.1       |

Mon Hancock  
 + Witherby

+50  
 +52.6 = d Witherby  
 6.6 21.0  
 6.4 21.2

Plotted on Lower Profile Sheet  
 5-27-24



2/29/24 Sewer Levels on <sup>Moore</sup>  
 Whitman 5' N of E from E of  
 Rosecrans St 185' West

26

|                    | 2.80 | 11.52<br><del>11.46</del> | 8.72<br><del>8.66</del> | Top Hydt.<br>Taylor &<br>Whitman |
|--------------------|------|---------------------------|-------------------------|----------------------------------|
| E Rosecrans St     |      | 5.2                       | 6.3                     | .                                |
| + 25 - W Rosecrans |      | 5.0                       | 6.5                     |                                  |
| + 60               |      | 5.0                       | 6.5                     |                                  |
| + 80               |      | 4.9                       | 6.6                     |                                  |
| 1 -                |      | 5.1                       | 6.4                     |                                  |
| + 70               |      | 5.7                       | 5.8                     |                                  |
| + 60               |      | 5.0                       | 6.5                     |                                  |
| + 85               |      | 5.2                       | 6.3                     |                                  |



5/29/24

Gregory Sewer Levels &  
 WHITMAN ST - 50' ST.  
 From 35' N. of NL Washington St.  
 To 160' S - SL. Wallace

197.5  
 197.0

|                                       |       |       |      |       |
|---------------------------------------|-------|-------|------|-------|
|                                       | 2.68  | 11.40 | 8.72 |       |
| 35' N. of NL Washington Wallace 20+00 | 12.22 | 23.33 | 0.29 | 11.11 |
| +25                                   |       |       | 12.8 | 10.5  |
| +47                                   |       |       | 10.2 | 12.1  |
| +52                                   |       |       | 8.6  | 14.7  |
| +72.5 Wallace                         |       |       | 6.0  | 17.3  |
| +82.5                                 |       |       | 5.2  | 18.1  |
| +85                                   |       |       | 5.0  | 18.5  |
| +102.5                                |       |       | 4.0  | 19.3  |
| T.P.                                  | 1291  | 3600  | 1.3  | 22.0  |
| +30                                   |       |       | 0.24 | 23.09 |
| +50                                   |       |       | 10.8 | 25.2  |
| +75                                   |       |       | 7.3  | 28.7  |
| T.P.                                  | 1285  | 48.62 | 3.0  | 33.0  |
| 2                                     |       |       | 0.23 | 35.77 |
| +15                                   |       |       | 10.4 | 38.2  |
|                                       |       |       | 6.6  | 42.0  |

Top of  
 Taylor &  
 Whitman

+40 67.5 3.1 45.5  
 +70 197.5 +0.7 49.3

Water Main is apparently 8' E of C  
 of Whitman but is 2' feet under  
 ground

- See Page 30 -  
 Plot of Sewer Profile Sheet



5/29/24 Gregory Sewer Levels  
 @ Chasnut  
 from 20' N. of N.L. of Jackson  
 To 160' S - SL - -

|                          |       |       |      |       |                              |                               |     |       |      |       |
|--------------------------|-------|-------|------|-------|------------------------------|-------------------------------|-----|-------|------|-------|
| 20' N. of N.L.<br>= 0+00 | 12.63 | 18.67 |      | 6.04  | More NE<br>Chasnut to Taylor | +75                           |     | 9.1   | 59.1 |       |
| +08.0                    |       |       | 7.1  | 11.6  |                              | 2                             |     | 3.9   | 64.3 |       |
| +14.0                    |       |       | 6.9  | 11.8  |                              | T.P.                          | 900 | 76.09 | 1.09 | 67.09 |
| +28                      |       |       | 4.7  | 14.0  |                              | +22                           |     | 6.5   | 69.6 |       |
| T.P.                     | 12.01 | 30.36 | 0.32 | 18.35 |                              | +30 = 160' S. of N.L. Jackson |     | 5.6   | 70.5 |       |
| +41                      |       |       | 8.2  | 22.2  |                              |                               |     |       |      |       |
| +57                      |       |       | 8.3  | 22.1  |                              |                               |     |       |      |       |
| +65                      |       |       | 2.7  | 27.7  |                              |                               |     |       |      |       |
| +69                      |       |       | 0.8  | 27.6  |                              |                               |     |       |      |       |
| T.P.                     | 12.72 | 43.02 | 0.06 | 30.30 |                              |                               |     |       |      |       |
| +83                      |       |       | 11.7 | 31.3  |                              |                               |     |       |      |       |
| 1                        |       |       | 5.4  | 37.6  |                              |                               |     |       |      |       |
| T.P.                     | 12.60 | 55.33 | 0.29 | 42.73 |                              |                               |     |       |      |       |
| +38                      |       |       | 5.4  | 49.9  |                              |                               |     |       |      |       |
| +50                      |       |       | 2.5  | 52.8  |                              |                               |     |       |      |       |
| +61                      |       |       | 0.6  | 54.7  |                              |                               |     |       |      |       |
| T.P.                     | 13.13 | 68.18 | 0.28 | 55.05 |                              |                               |     |       |      |       |

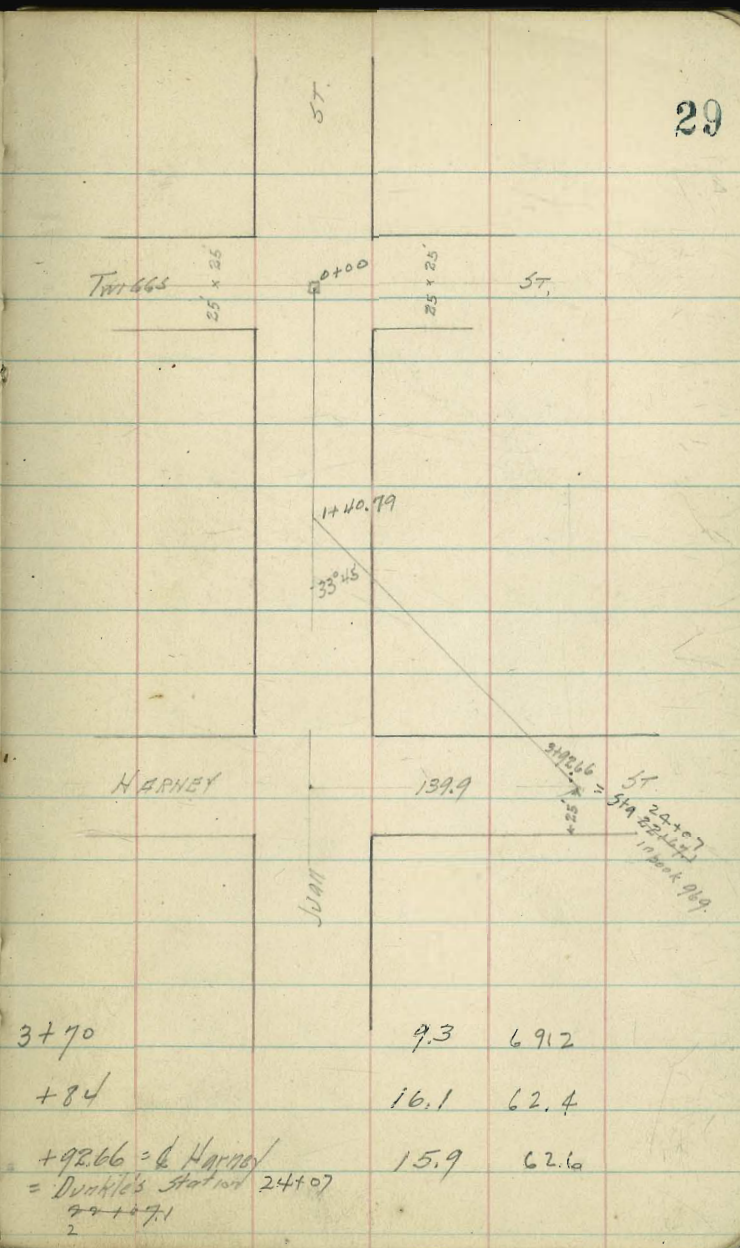
Sewer Profile Sheet 11



5/20/21 Gregory Sewer Levels & Juan St  
 9th thru blk 464 Old Town  
 from & Twigg's

|                       |       |       |       |                              |
|-----------------------|-------|-------|-------|------------------------------|
| 1/2 Twigg's<br>= 0+00 | 13.23 | 61.51 | 48.28 | Center Mon<br>Juan & Twigg's |
|                       |       |       | 13.4  | 48.1 (See Bk 1003 p 57)      |
| +50                   |       |       | 10.9  | 50.6                         |
| 1                     |       |       | 8.3   | 53.2                         |
| +40.79 = Δ 33°45' L   |       |       | 6.6   | 54.9                         |
| +65                   |       |       | 5.6   | 55.9                         |
| +76                   |       |       | 1.3   | 60.2                         |
| T.P.                  | 12.77 | 73.96 | 0.32  | 61.19                        |
| +85                   |       |       | 9.5   | 64.5                         |
| 2+10                  |       |       | 7.5   | 66.5                         |
| +50                   |       |       | 4.5   | 69.5                         |
| 3                     |       |       | 0.4   | 73.6                         |
| T.P.                  | 4.82  | 78.50 | 0.28  | 73.68                        |
| +15                   |       |       | 2.7   | 75.8                         |
| +20                   |       |       | 0.0   | 78.5                         |
| +22                   |       |       | 0.1   | 78.4                         |
| +46                   |       |       | 10.0  | 68.5                         |
| +60                   |       |       | 6.8   | 71.7                         |

Plotted on Sewer Profile Sheet 9  
 6-6-21





6/19/14  
Moore

Sewer Levels of Whitman  
Taylor to 35' N of NL of Wallace St

|                               | 582 | 14.54 | 8.72 | Top of Hydt<br>Taylor-Whitman | 450' S                     | 7.9 | 6.6  |
|-------------------------------|-----|-------|------|-------------------------------|----------------------------|-----|------|
| S. Edge of paving             |     |       |      |                               |                            |     |      |
| 40' N of St. of Taylor = 0.00 |     |       | 8.07 | 6.4                           | 500' ✓                     | 4.5 | 10.0 |
| 15' S                         |     |       | 8.5  | 6.0                           | 505' = 35' N of NL Wallace | 4.0 | 10.5 |
| 18' ✓                         |     |       | 8.9  | 5.6                           |                            |     |      |
| 40' S = St. of Taylor         |     |       | 9.1  | 5.4                           |                            |     |      |
| 100' S                        |     |       | 9.2  | 5.3                           |                            |     |      |
| 150' ✓                        |     |       | 9.5  | 5.0                           |                            |     |      |
| 200' ✓                        |     |       | 9.6  | 4.9                           |                            |     |      |
| 215' ✓                        |     |       | 9.0  | 5.5                           |                            |     |      |
| 230' ✓                        |     |       | 8.6  | 5.9                           |                            |     |      |
| 250' ✓                        |     |       | 9.0  | 5.5                           |                            |     |      |
| 260' ✓                        |     |       | 9.2  | 5.3                           |                            |     |      |
| 300' ✓                        |     |       | 8.4  | 6.1                           |                            |     |      |
| 350' ✓                        |     |       | 8.5  | 6.0                           |                            |     |      |
| 375' ✓                        |     |       | 8.9  | 5.6                           |                            |     |      |
| 400' ✓                        |     |       | 9.1  | 5.4                           |                            |     |      |
| 415' ✓                        |     |       | 9.3  | 5.2                           |                            |     |      |
| 420' ✓                        |     |       | 8.6  | 5.9                           |                            |     |      |

See Page 27  
Ditto

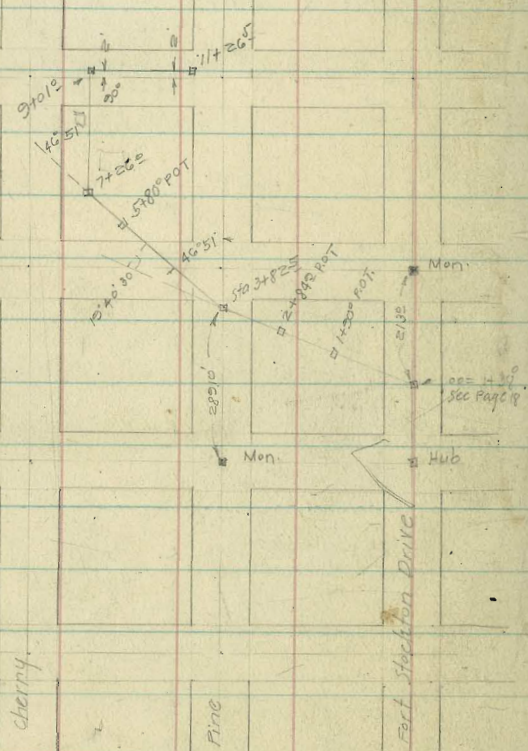


TIOS

Ampudia

Arista

Conde



Darrin Stech  
Kellie

31

|      | +     | -      |  |
|------|-------|--------|--|
|      | 2.66  | 269.72 | 267.06 NE Cor TIOS<br>@ Fort Stanton         |
|      | 1.95  | 258.99 | 12.68 257.04                                 |
|      | 1.40  | 247.54 | 12.85 246.14                                 |
|      | 0.60  | 235.11 | 13.03 234.51                                 |
|      | 0.32  | 222.82 | 12.61 222.50                                 |
|      | 0.17  | 210.17 | 12.82 210.00                                 |
|      | 2.06  | 199.81 | 12.42 197.75                                 |
|      | 0.76  | 187.97 | 12.60 187.21                                 |
|      | 9.24  | 184.28 | 12.93 175.04                                 |
|      |       |        | Hub 2  |
|      |       |        | 0+00 = 1+38 Gregory Sec Page 18 11.45 172.83 |
|      | 0+10  |        | 3.6 180.7                                    |
| #    | 11.60 | 192.43 | 1.45 182.83                                  |
| 0+70 |       |        | 10.1 184.3                                   |
| 0+90 |       |        | 1.8 192.6                                    |
| 1+00 |       |        | 3.3 191.1                                    |
| #    | 10.92 | 204.66 | 0.69 193.79                                  |
| #    | 11.84 | 215.97 | 0.53 204.13                                  |
| 1+50 |       |        | 7.0 207.0                                    |

Plotted  
11-12-24  
CAT



|                 | +         | π        | -     |          |
|-----------------|-----------|----------|-------|----------|
|                 |           | 215.97   |       |          |
| 1+65            |           |          | 3.0   | 213      |
| #               | 12.69     | 228.18 ✓ | 0.48  | 215.49 ✓ |
| 1+69            |           |          | 9.5   | 218.7    |
| 1+90° P.O.T     |           |          | 5.5   | 222.7    |
| 2+00            |           |          | 3.6   | 224.6    |
| 2+06            |           |          | 2.1   | 226.1    |
| 2+12            |           |          | 4.0   | 224.2    |
| #               | 12.58     | 240.71 ✓ | 0.25  | 228.13 ✓ |
| +50             |           |          | 11.3  | 229.4    |
| 2+84° P.O.T     |           |          | 6.61  | 234.10   |
| 3+00            |           |          | 5.1   | 235.6    |
| #               | 12.64     | 252.50 ✓ | 0.85  | 239.86 ✓ |
| 3+50            |           |          | 12.3  | 240.2    |
| 3+82° AR @ Pine |           |          | 10.08 | 242.42   |
| 4+00            |           |          | 9.1   | 243.4    |
| 4+50            |           |          | 7.5   | 245.0    |
| (4+66.58)       | 43° 09' R |          |       | 6+59.92  |
| 5+00            |           |          | 0.8   | 151.7    |
| #               | 2.63      | 262.13 ✓ | 0.00  | 252.50 ✓ |

Cont'd. Page 10

|                               | +     | π        | -    |          |
|-------------------------------|-------|----------|------|----------|
|                               |       | 262.13   |      |          |
| 5+50                          |       |          | 4.6  | 257.5    |
| 5+82° P.O.T                   |       |          | 2.73 | 259.40   |
| 6+00                          |       |          | 4.2  | 257.9    |
| 6+50                          |       |          | 8.9  | 253.2    |
| #                             | 1.30  | 250.54 ✓ | 2.89 | 249.24 ✓ |
| 7+00                          |       |          | 3.5  | 247.0    |
| 7+26° AR @ 46051              |       |          | 5.75 | 244.79   |
| 7+50                          |       |          | 5.0  | 245.0    |
| 7+90 Edge of private driveway |       |          | 4.38 | 246.16   |
| 8+00 On Concrete              |       |          | 4.10 | 246.4    |
| #                             | 9.38  | 255.55 ✓ | 4.37 | 246.17 ✓ |
| 8+16 On Concrete: Edge Drive  |       |          | 8.70 | 246.85   |
| 8+35 " " " "                  |       |          | 8.02 | 247.53   |
| 8+50 On Drive                 |       |          | 7.53 | 248.02   |
| 8+74 = W. Ampudia             |       |          | 6.18 | 249.37   |
| 9+0 R On Pavement             |       |          | 4.71 | 250.84   |
| 9+01 = E. of Ampudia          |       |          | 1.78 | 253.77   |
| 9+50 On Pavement              |       |          |      | 1476.5   |
| #                             | 10.69 | 266.16 ✓ | 0.08 | 255.97 ✓ |



|         | +                    | ∏           | -               |        |
|---------|----------------------|-------------|-----------------|--------|
|         |                      | 266.16      |                 |        |
| 10+00   | On Pavement          | 9.48        | 256.68          | 1+26.5 |
| 10+50   | "                    | 6.53        | 259.63          | 0+76.5 |
| 11+00   | "                    | 3.48        | 262.68          | 0+26.5 |
| 11+26.5 | N.E.P.L. of Pine St. |             | 264.19          | 0+00   |
| #.      | 2.80                 | 266.99      | 1.97            | 264.19 |
|         |                      | Check: 9.92 | 257.07 = 257.04 |        |
|         |                      | See Page 31 |                 |        |

Stationing used on  
profiles GAT

ENGINEERING DEPARTMENT,  
CITY OF SAN DIEGO,  
CALIFORNIA.



Dunnan.  
Steck  
Kelly,  
Sep 1922.

34

|                                      | +     | ∟     | -     |   |
|--------------------------------------|-------|-------|-------|---|
|                                      | 12.88 | 33.58 | 20.70 | Hub Mission Valley Line 133+98.                 |
| (10+58.56)<br>29+00                  |       |       | 10.6  | 23.0  |
| (16+08.56)<br>23+50                  |       |       | 9.3   | 24.3  |
| (15+58.56)<br>23+00                  |       |       | 6.5   | 27.1  |
| (15+33.56)<br>22+75                  |       |       | 4.7   | 28.9  |
| (15+08.56)<br>22+50                  |       |       | 5.2   | 28.4  |
| (14+58.56)<br>22+00                  |       |       | 2.6   | 31.0  |
| #                                    | 12.89 | 44.47 | 2.00  | 31.58   |
| (14+08.56)<br>21+50                  |       |       | 10.8  | 33.7  |
| (13+73.56)<br>21+15                  |       |       | 6.0   | 38.5  |
| (13+58.56)<br>21+00                  |       |       | 7.8   | 36.7  |
| (13+33.56)<br>20+75.° End of Change. |       |       | 6.02  | 38.45 = 38.28 Bob<br>See if this check with Bob |

Plotted  
11-12-22  
GAT

1+35+97 Mission Valley Line.

24+48° - 133+91° Mission Valley line. Alt 2° 29'

20+75° - Alt 11° 25'

11+34° See Plot in back of book, 969 also page 12 this book.

front?



11/13/24  
 Sewer Levels 1' E of & of Arista = 2' W of & of  
 6' Easement from & of Fort Stockton Drive  
 produced West from Arista Drive to  
 230' N of & of Ft Stock

|      |       |        |                                      |
|------|-------|--------|--------------------------------------|
| 1.44 | 24237 | 240.93 | Max of ex<br>Arista &<br>Ft Stockton |
| 1.0  |       |        |                                      |
| 1.2  |       |        |                                      |
| 1.0  |       |        |                                      |
| 1.5  |       |        |                                      |
| 3.2  |       |        |                                      |
| 4.1  |       |        |                                      |
| 3.8  |       |        |                                      |
| 2.6  |       |        |                                      |

Used levels on 981-10

11/13/24  
 Sewer Levels on & of  
 Ft Stockton Drive produced West  
 from 1' E of WL of 6' Easement to  
 76' W.

|      |       |          |          |
|------|-------|----------|----------|
| 1.44 | 24237 | 240.93   | alt Man/ |
| 1.0  | 241.4 | 10470.29 | Page 10  |
| 1.2  | 241.4 | 10475.29 |          |
| 4.5  | 237.9 | 11495.29 |          |
| 7.6  | 234.8 | 11413.29 |          |
| 9.5  | 232.9 | 11430.29 |          |
| 12.2 | 230.2 | 11446.29 |          |

35

0 + 00 Page 18







196.03

|         |          |           |      |         |
|---------|----------|-----------|------|---------|
| + 25    |          |           | 11.7 |         |
| + 33    |          |           | 8.1  |         |
| + 40    |          |           | 6.1  |         |
| + 52    |          |           | 1.0  |         |
| T.P.    | 1298     | 20858     | 0.23 | 19580   |
| + 70    |          |           | 8.2  |         |
| + 85    |          |           | 5.0  |         |
| T.P.    | 12.51    | 221.03    | 0.06 | 208.52  |
| 3+13    |          |           | 5.5  |         |
| + 25    |          |           | 1.8  |         |
| T.P.    | 12.69    | 233.44    | 0.28 | 220.75  |
| + 40    |          |           | 11.3 |         |
| + 48.99 | $\Delta$ | 23° 53' R | 9.17 | en pipe |
| + 60    |          |           | 8.2  |         |
| + 71    |          |           | 8.2  |         |
| + 76    |          |           | 9.4  |         |
| + 82    |          |           | 9.1  |         |
| + 89    |          |           | 10.8 |         |

37

|               |      |               |      |             |
|---------------|------|---------------|------|-------------|
| 4             |      |               | 11.0 |             |
| + 17          |      |               | 8.1  |             |
| + 29          |      |               | 7.3  |             |
| + 34          |      |               | 7.0  |             |
| TP            | 1212 | 24509         | 0.47 | 232.97      |
| + 51          |      |               | 8.7  |             |
| + 63.15 $\pm$ | =    | CL Arista P/. | 8.9  | 736.2       |
|               |      |               | 4.12 | 240.97 = 93 |

Man  
Ct. Area



Sawyer Levels & of Arista Court to E  
 Moore of Arista Drive  
 ii) iii) iv) v)

|   |      |        | #1401                             |
|---|------|--------|-----------------------------------|
|   | 1.74 | 242.67 | 240.93 Arista Court Sd            |
| 00 = NE end of Arista Court                                     | 7.54 | 235.13 | on stub                           |
| + 3666 = P.C. @ 81° or Lt                                       | 7.60 | 235.07 | ✓ ✓                               |
| + 6318 #L = 106.08  | 8.0  | 234.7  |                                   |
| + 8970  | 8.0  | 234.7  |                                   |
| 1 + 1627  | 7.1  | 235.6  |                                   |
| + 4274 = E.C. = Nail  | 5.6  | 237.1  | on paving                         |
| 2 + 1027  | 2.10 | 240.6  | ✓ ✓                               |
| + 2174 } = E Arista Drive to S.<br>} = M.H.A. 89° 23' RH (Nail) | 1.60 | 241.1  | ✓ ✓                               |
| + 8174 D.E. = Nail  | 5.0  | 237.7  | ✓ ✓                               |
| E Arista Drive & Arista Court<br>@ 67° 26' 00"                  |      |        |                                   |
| X = 231.74 @ S. on Sta. 1437 E.C.                               |      |        |                                   |
|   | 5.14 | 246.37 | # 2701<br>240.93 Arista E. street |
| 2nd rd = End of side road E. Arista Drive<br>Flamingo           | 8.90 | 237.47 |                                   |

Plotted  
 1-23-57  
 CAT



12/8/24  
 Groppey

Levels on E of Wallace St  
 from 47'E of d. of Santa Fe track  
 To San Diego thence S.

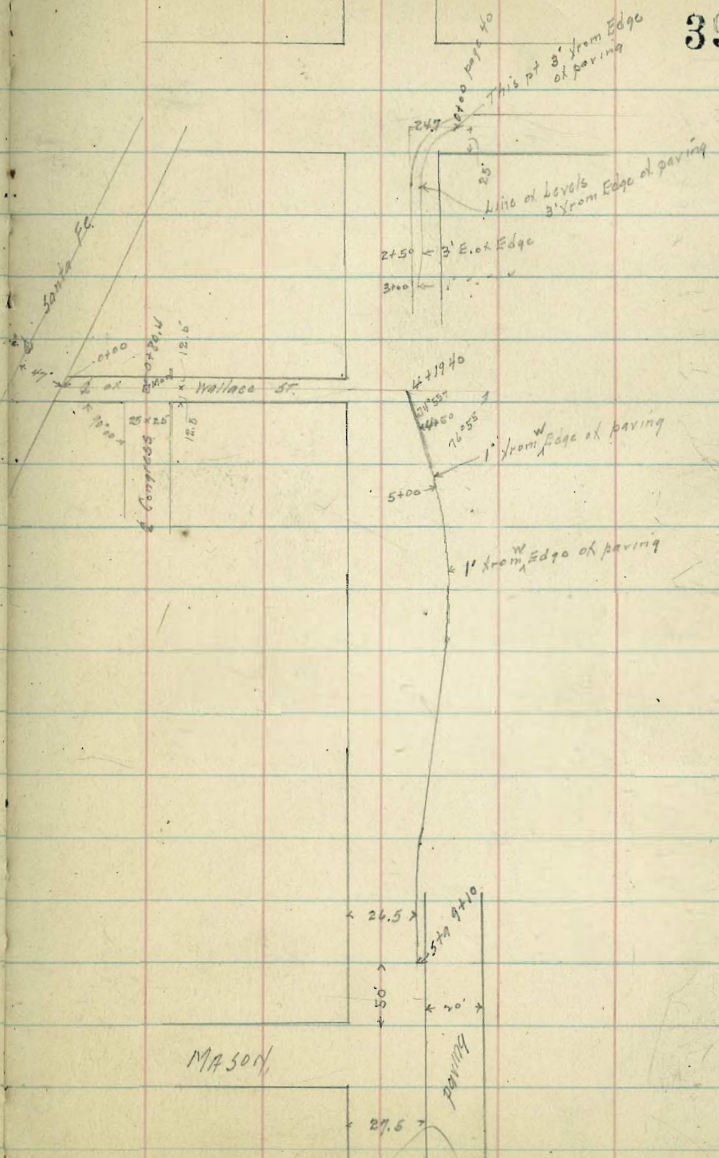
13.01 from page 40

47' from Santa Fe  
 E of Wallace  
 = 0100

|         |                       |       |       |       |         |
|---------|-----------------------|-------|-------|-------|---------|
|         |                       |       | 12.86 | 0.15  | on stub |
| + 50    |                       |       | 12.2  | 0.8   |         |
| 1       |                       |       | 11.7  | 1.3   |         |
| + 50    |                       |       | 11.3  | 1.7   |         |
| 2       |                       |       | 10.7  | 2.3   |         |
| + 50    |                       |       | 9.8   | 3.2   |         |
| 3       |                       |       | 8.7   | 4.3   |         |
| TP.     | 12.53                 | 16.93 | 8.51  | 4.50  |         |
| + 50    | crosses fence.        |       | 10.6  | 6.3   |         |
| + 75    |                       |       | 9.1   | 7.8   |         |
| + 89    |                       |       | 8.4   | 8.5   |         |
| + 90    |                       |       | 6.8   | 10.1  |         |
| 4       |                       |       | 6.7   | 10.2  |         |
| + 19.40 | = 1' from Edge paving |       | 5.35  | 11.58 | on stub |
| + 50    |                       |       | 5.2   | 11.7  |         |
| 5       |                       |       | 4.6   | 12.3  |         |

Continued on page 41

39



Plotted 1-2-21-  
 GAT

MASON



12/19/24

Sewer Levels 3' from East Edge  
of paving on San Diego Ave  
S. of Taylor  
see sketch page 39

|                            |       |       |      |      | Top of<br>Wentman<br>Taylor |
|----------------------------|-------|-------|------|------|-----------------------------|
| 25' N. of S. L. Taylor     | 0.61  | 1     |      |      | 8.66                        |
| + 24' E. of E. Edge paving | 9.27  |       |      |      |                             |
| = 0+00                     | 10.14 | 13.01 | 6.40 | 2.87 |                             |
| two on curve               |       |       | 10.0 |      |                             |
| + 40                       |       |       | 9.6  |      |                             |
| + 60 E.C. approx           |       |       | 9.1  |      |                             |
| 1                          |       |       | 8.3  |      |                             |
| + 50                       |       |       | 7.3  |      |                             |
| ✓                          |       |       | 6.5  |      |                             |
| + 50 = 3' E of Edge paving |       |       | 5.6  |      |                             |
| 3 = 1' ✓ ✓ ✓ ✓             |       |       | 4.8  |      |                             |
| + 50 = 1' ✓ ✓ ✓ ✓          |       |       | 4.0  |      |                             |
| 4 = 1' ✓ ✓ ✓ ✓             |       |       | 3.1  |      |                             |
| + 50 = 3' ✓ ✓ ✓ ✓ on curve |       |       | 2.2  |      |                             |
| 5 = 3' ✓ ✓ ✓ ✓             |       |       | 1.0  |      |                             |



1693

continued from page 39

|           |           |     |       |      |
|-----------|-----------|-----|-------|------|
|           | + 50      |     | 3.7   | 13.7 |
| 25<br>= 0 | 6         |     | 2.9   | 14.0 |
|           | + 50      |     | 1.8   | 15.1 |
|           | 7         |     | 0.9   | 16.0 |
|           | T.P.      | 256 | 1947  | 0.02 |
|           | + 50      |     | 2.4   | 17.1 |
|           | 8         |     | 1.7   | 17.8 |
|           | + 50      |     | 1.0   | 18.5 |
|           | 9         |     | 0.0   | 19.5 |
|           | + 10 = DE |     | + 0.3 | 19.8 |

41



12/18/27

Sewer Levels &  
Mason St.  
from 47 East of & of Santa Fe R.  
To & Jefferson  
thence S on & Jefferson

|  |       |       |      |       |               |
|--|-------|-------|------|-------|---------------|
|  | 10.57 | 11.35 |      | 0.78  | nails in pole |
| ↳ Mason<br>47 <sup>th</sup> East Santa Fe<br>20100 |       |       | 3.8  | 7.6   |               |
| T.P.   | 12.61 | 23.35 | 0.61 | 10.74 |               |
| +39  |       |       | 11.8 | 11.6  |               |
| +48  |       |       | 10.4 | 13.0  |               |
| 1  |       |       | 6.4  | 17.0  |               |
| +25  |       |       | 4.4  | 19.0  |               |
| +35  |       |       | 3.2  | 20.2  |               |
| +45  |       |       | 2.4  | 21.0  |               |
| +66 = 6 Mason 190 <sup>th</sup> R                  |       |       | 1.8  | 21.6  |               |
| v  |       |       | 1.9  | 21.5  |               |
| +32 = N. wall adobe house                          |       |       | 0.2  | 23.2  |               |

Plotted 1-5-24  
CAT

232  
166  
66

68

66

42



12/13/24

Sewer Levels 14' E. of W.L.  
of San Diego Ave  
from 2 Harney to  
120 North

11.79 23.37 11.58 5/10/40 39

3.10 23.82 2.65 20.72

11.92 35.14 0.60 23.22

2 Harney  
4000

5.1 30.04

+ 26

5.3 29.84

+ 50

5.4 29.7

1

5.2 29.9

+ 20 DE

5.4 29.7

Plotted  
SAT



12/18/21

Sewer Levels  
to Mason from 50' E of E.L. Jefferson  
To & Congress

43.37 H<sub>2</sub>O from page 43

|                          |      |       |      |       |
|--------------------------|------|-------|------|-------|
| 50' E. of E.L. Jefferson | 5.42 | 24.07 | 47.2 | 18.65 |
| 20+00                    |      | 3.0   | 21.1 |       |
| +05.0                    |      | 2.7   | 21.4 |       |
| +15.0                    |      | 3.9   | 20.2 |       |
| +50                      |      | 4.0   | 20.1 |       |
| 1                        |      | 4.1   | 20.0 |       |
| +50                      |      | 4.8   | 19.3 |       |
| 2                        |      | 4.9   | 19.2 |       |
| +75                      |      | 5.2   | 18.9 |       |
| +50                      |      | 5.8   | 18.3 |       |
| +62                      |      | 6.7   | 17.4 |       |
| +75 to Congress          |      | 6.0   | 18.1 |       |



12/19/24

Sewer Levels  
 from Center of Fort Stockton  
 + Ampudia  
 To 1' W. of N.E. Cor of said intersection  
 thence N. 75' on a line 1' W. of  
 E. L. of Ampudia

|   |   |        |       | NE. Ft Stock     |
|---|---|--------|-------|------------------|
| 1+                                      | 146                                       | 268.51 |       | 267.06 + Trias   |
| TP                                      | 4.85                                      | 262.36 | 11.00 | 257.51           |
| ctr. of Ampudia<br>+ Ft. Stock<br>sotoa |   |        | 5.70  | 256.66 on paving |
| 0+23.5                                  |   |        | 5.49  | 256.87 - -       |
| 0+23.532                                |   |        | 4.83  | 257.53           |
| 0+34.7                                  | nd 1' W. of E.L. Ampudia<br>N.W. Ft Stock |        | 4.7   | 257.66           |
| 0+60                                    |   |        | 4.1   | 258.26           |
| 1+09.7                                  |   |        | 2.8   | 257.22           |

Plotted  
 1-23-24  
 CAT



12/9/24

Sewer Levels on & June 3<sup>rd</sup>  
 from & of Trias  
 To 275' East. or to a pt.  
 50' W. x W.L. of Horton's

|                                     |      |        |        |                         |
|-------------------------------------|------|--------|--------|-------------------------|
|                                     | 1.02 | 26204  | 261.02 | NE Sunset<br>+ Witherby |
|                                     | 0.39 | 249.85 | 1258   | 249.46                  |
|                                     | 0.36 | 237.27 | 1294   | 236.91                  |
|                                     | 0.53 | 225.39 | 12.41  | 224.86                  |
| 50' W. x W.L.<br>Horton's<br>= 2000 |      |        | 11.1   | 214.3                   |
| TP                                  | 0.41 | 212.85 | 1295   | 212.44                  |
| +25                                 |      |        | 1.9    | 211.0                   |
| +75                                 |      |        | 8.5    | 204.4                   |
| TP                                  | 0.17 | 200.32 | 12.72  | 200.13                  |
| 1+25                                |      |        | 1.3    | 199.0                   |
| 1+75                                |      |        | 5.7    | 194.6                   |
| 2+25                                |      |        | 8.8    | 191.5                   |
| 2+75 = 6 Trias                      |      |        | 10.9   | 189.4                   |

Plotted, erased & replotted  
 by CAT 1-20-24

46



Moore Sewer Levels & Pine St 11/17/47  
 & Trias to Hrista

| ON BM Pine + Tripod 19948  | 273.40 | 263.92 |
|----------------------------|--------|--------|
| E. of Trias = 00           | 3.0    |        |
| 25' W of Trias             | 3.1    |        |
| 50' W                      | 3.0    |        |
| 100' ✓                     | 3.3    |        |
| 150' ✓                     | 4.0    |        |
| 200' ✓                     | 4.7    |        |
| 250' ✓                     | 5.4    |        |
| 300' ✓                     | 6.1    |        |
| 325' ✓ el. Tripod 19       | 7.5    |        |
| 350' ✓ E. Edge bearing     | 9.05   |        |
| 375' ✓ W. ✓ with Tripod 19 | 9.40   |        |
| 400' ✓                     | 10.0   |        |
| 425' ✓                     | 11.3   |        |
| 440' ✓                     | 12.0   |        |
| 450' ✓                     | 10.4   |        |
| 475' ✓                     | 11.2   |        |
| 500' ✓                     | 13.0   |        |

This line also in 1105-69  
 Also abandoned.

| T.P.                                      | 2.10 | 262.57 | 1293  | 260.47        |
|---|------|--------|-------|---------------|
| 525' W                                    |      |        | 3.1   |               |
| 550' ✓                                    |      |        | 4.1   |               |
| 575' ✓                                    |      |        | 4.2   |               |
| 600' ✓                                    |      |        | 6.0   |               |
| 625' ✓                                    |      |        | 9.1   |               |
| 650' ✓                                    |      |        | 13.3  |               |
| T.P.                                      | 0.93 | 250.79 | 12.7' | 249.86        |
| 675' ✓                                    |      |        | 4.0   |               |
| 700' ✓                                    |      |        | 6.0   |               |
| 725' ✓                                    |      |        | 6.8   |               |
| 750' ✓                                    |      |        | 7.8   |               |
| 761' W. 5/11 2225 on table<br>see page 31 |      |        | 8.24  | 242.35 242.02 |

Nicks P.V.



1/27/15 Sewer Levels @ Pine from E Arista 247' W  
 millu also on E Arista from @ Pine 202' N.

| BM.        | 9.35 | 253.45  | 244.10 | ctr. Men. Arista @ Pine | Arista   | 253.45 |        |                      |
|------------|------|---------|--------|-------------------------|----------|--------|--------|----------------------|
|            |      | Pine ST |        |                         |          |        |        | 48                   |
| 00-@Arista |      | 8.6     | 244.9  |                         | 00-@Pine | 8.6    | 244.9  |                      |
| +35        |      | 10.0    | 243.5  |                         | +35      | 7.1    | 246.4  |                      |
| +69        |      | 11.2    | 242.3  |                         | +60      | 6.3    | 247.2  |                      |
| +75        |      | 12.0    | 241.5  |                         | +100     | 3.9    | 249.6  | (247.0) 0+61.37=0+00 |
| +100       |      | 12.8    | 240.7  |                         | +20      | 3.5    | 250.0  | 0+58.63              |
| +35        |      | 12.4    | 241.1  |                         | T.P      | 9.52   | 261.99 | 0.98 252.47          |
| +70        |      | 10.7    | 242.8  |                         | +60      | 7.3    | 254.7  | 0+98.63              |
| +200       |      | 8.0     | 245.5  |                         | +95      | 3.1    | 258.9  | 1+33.63              |
| +47        |      | 2.1     | 251.4  |                         | +202     | 3.1    | 258.9  | 1+40.63              |

Plotted 1-28-15



Lewis  
Notes.

Sewer Levels from M.H. #13 Presidio Hills to M.H. 244 Sta 11+94 M. Line 49  
in Conde St.

"A" Line

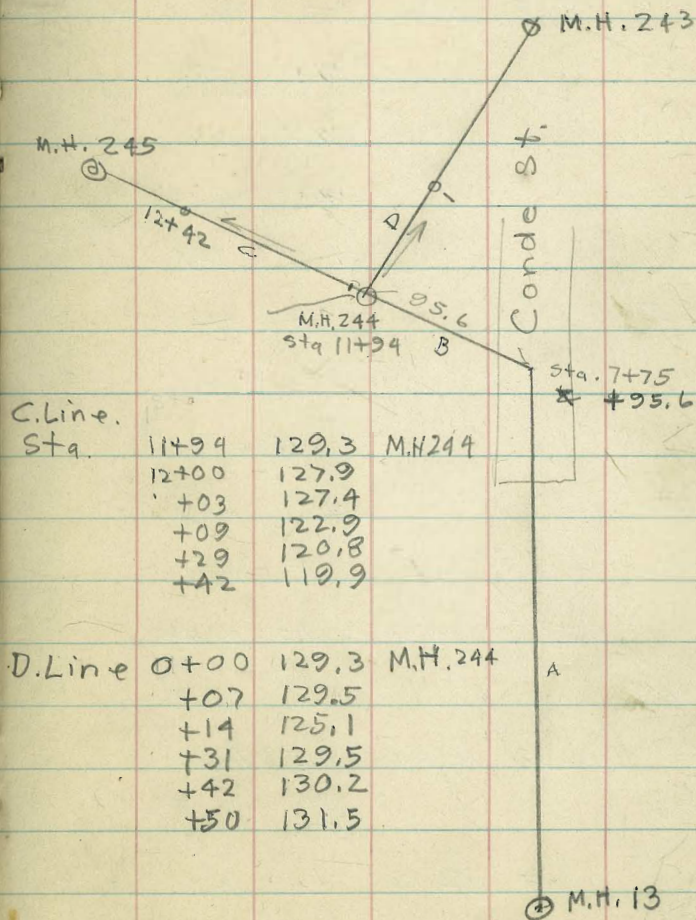
| Sta                | Ground |
|--------------------|--------|
| 4+51 <sup>32</sup> | 197    |
| 5+00               | 193.8  |
| +30                | 192.6  |
| +50                | 189.6  |
| +67                | 188.3  |
| +84                | 180.4  |
| +88                | 182.6  |
| 6+00               | 182.6  |
| 6+20               | 183.4  |
| +50                | 179.9  |
| +73                | 176.5  |
| 7+00               | 169.9  |
| +20                | 162.6  |
| +50                | 153.3  |
| +65                | 146.6  |
| +69                | 143.0  |
| +75                | 138.3  |

M.H. #13

"B" Line

| Sta. M.H. |       |
|-----------|-------|
| 0+06      | 129.3 |
| +19       | 132.0 |
| +27       | 133.0 |
| +27       | 130.1 |
| +38       | 131.1 |
| +43       | 133.0 |
| +48       | 132.5 |
| +52       | 132.7 |
| +55       | 136.1 |
| +60       | 137.0 |
| +71       | 135.5 |
| +95.6     | 138.3 |

M.H. 244



C. Line.

| Sta.  |       | M.H. 244 |
|-------|-------|----------|
| 11+94 | 129.3 |          |
| 12+00 | 127.9 |          |
| +03   | 127.4 |          |
| +09   | 122.9 |          |
| +29   | 120.8 |          |
| +42   | 119.9 |          |

D. Line

|      |       | M.H. 244 |
|------|-------|----------|
| 0+00 | 129.3 |          |
| +07  | 129.5 |          |
| +14  | 125.1 |          |
| +31  | 129.5 |          |
| +42  | 130.2 |          |
| +50  | 131.5 |          |



59-28  
- Walker  
Rep. 1/1/04  
Shelby

Preliminary Levels for Sewer  
& TWIGGS St.  
From MH #110 to Exist. Sewer  
South of Presidio Drive

|                     |      |        |        | Elev. cut<br>Stub 0-25<br>Grade Book 132 |
|---------------------|------|--------|--------|--|
| & MH #110<br>= 0400 | 1172 | 106.11 | 94.39  |  |
| +04                 |      | 19.5   | 86.5   |  |
| +10                 |      | 19.5   | 86.5   |  |
| +25                 |      | 14.8   | 91.3   |  |
| +55                 |      | 11.5   | 94.7   |  |
| +80                 |      | 4.1    | 102.0  |  |
| TR                  | 1173 | 117.79 | 0.05   | 106.06                                   |
| +85                 |      | 11.3   | 106.5  |  |
| +96                 |      | 8.1    | 109.7  |  |
| TR                  | 1222 | 129.28 | 0.73   | 117.06                                   |
| 1+44                |      | 8.5    | 120.8  |  |
| TR                  | 1288 | 141.81 | 0.35   | 128.93                                   |
| 1+92                |      | 11.0   | 130.8  |  |
| TR                  | 1305 | 154.03 | 0.83   | 140.98                                   |
| 2+40                |      | 12.7   | 141.3  |  |
|                     |      | 11.88  | 147.15 |  |

on 2 stubs  
at 1st location  
S.E. of Twigg  
Produced

154.03

50

955 163.12 046 153.57 on Rock  
Flow Line  
Chk. on DITH #7 13.59 149.53  
149.50 - Floor  
0.03 = Error.  
N.W. corner of Way + Presidio Drive  
left 8.14 Top Fire Hydrant 121 161.91



59-28  
- Make  
- Rep  
- Show

8 MM

= 040

+ 04

+ 10

+ 25

+ 54

+ 80

TR

+ 85

+ 90

TR

1-

7-

1

7

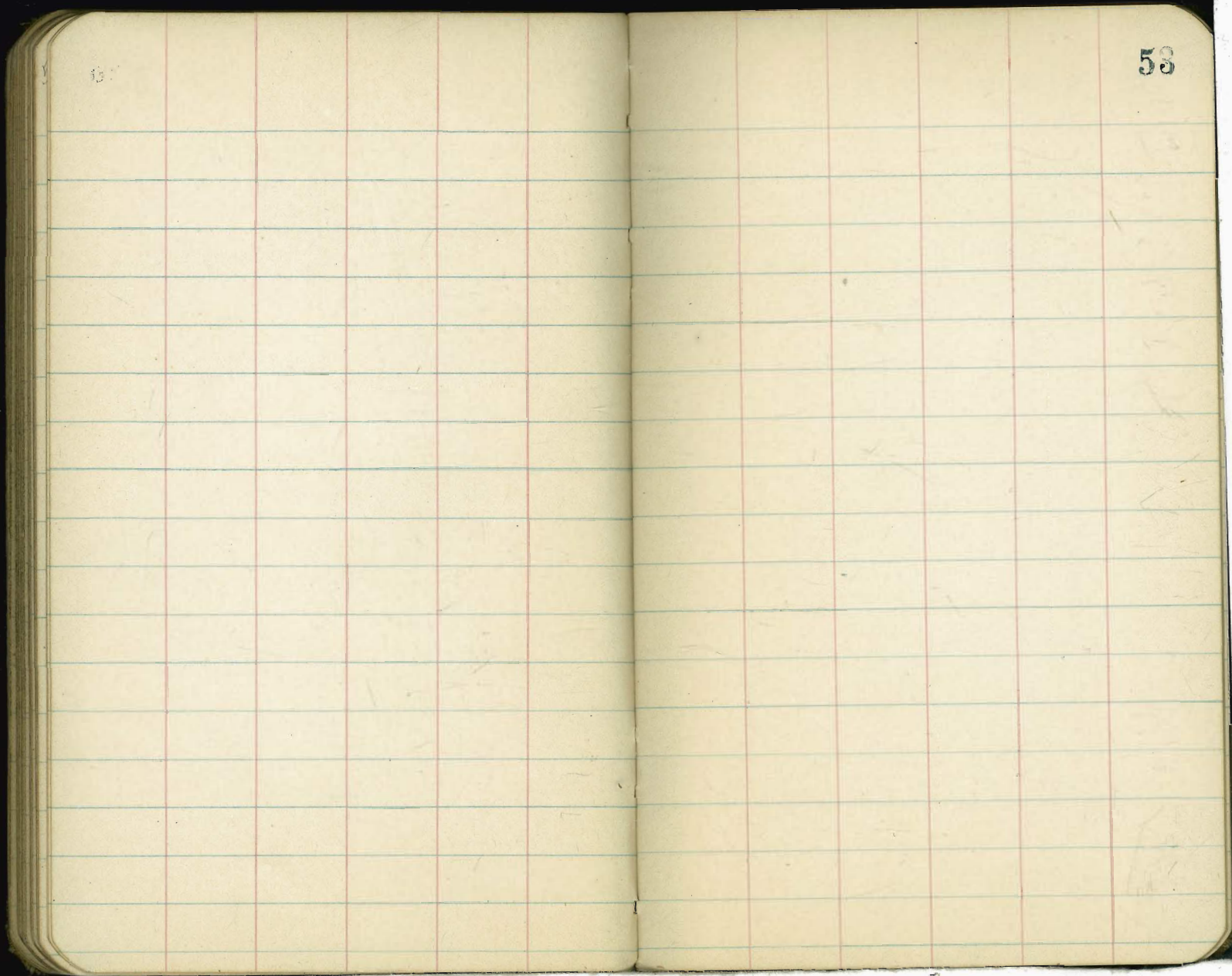
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51



52

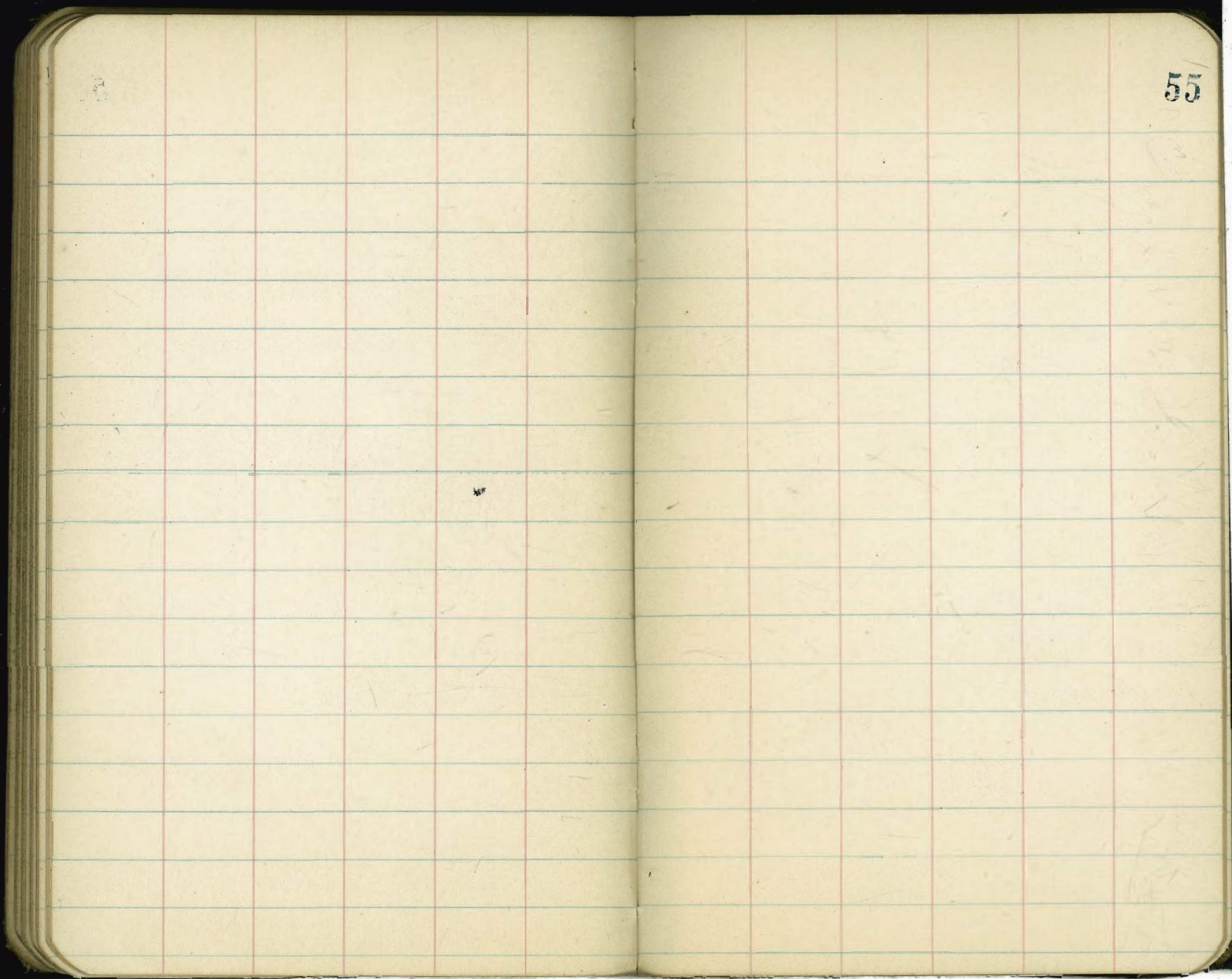






54



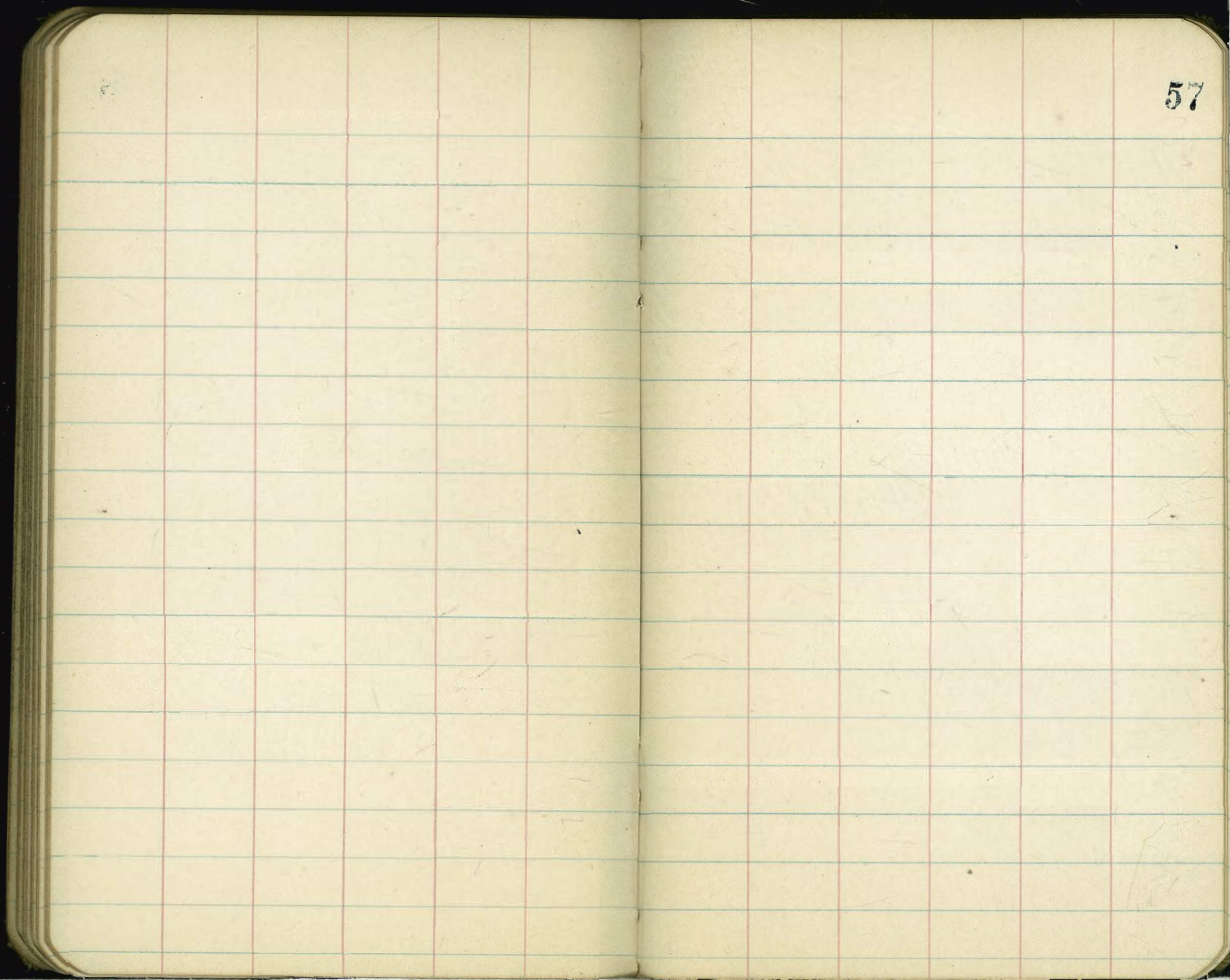


55



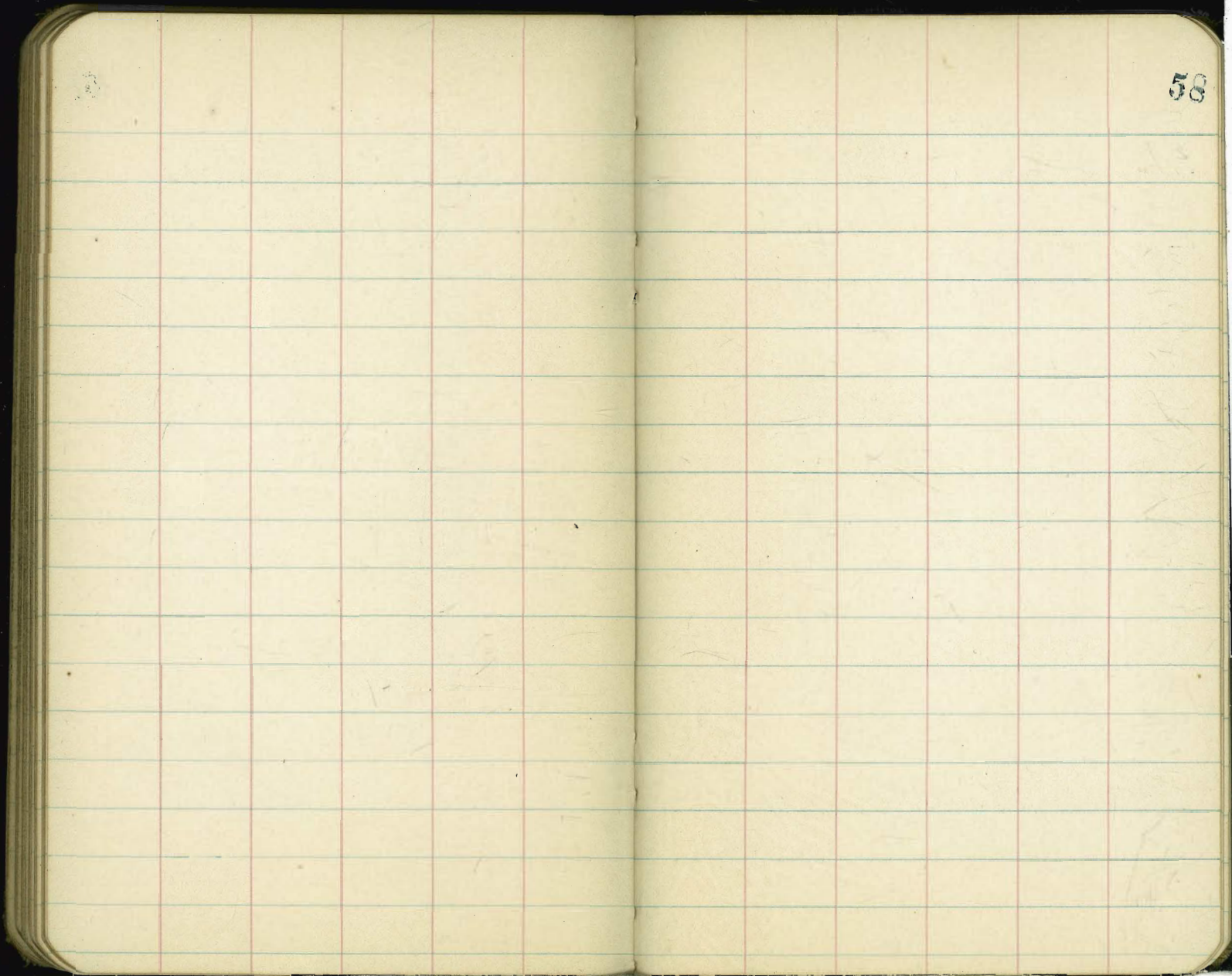






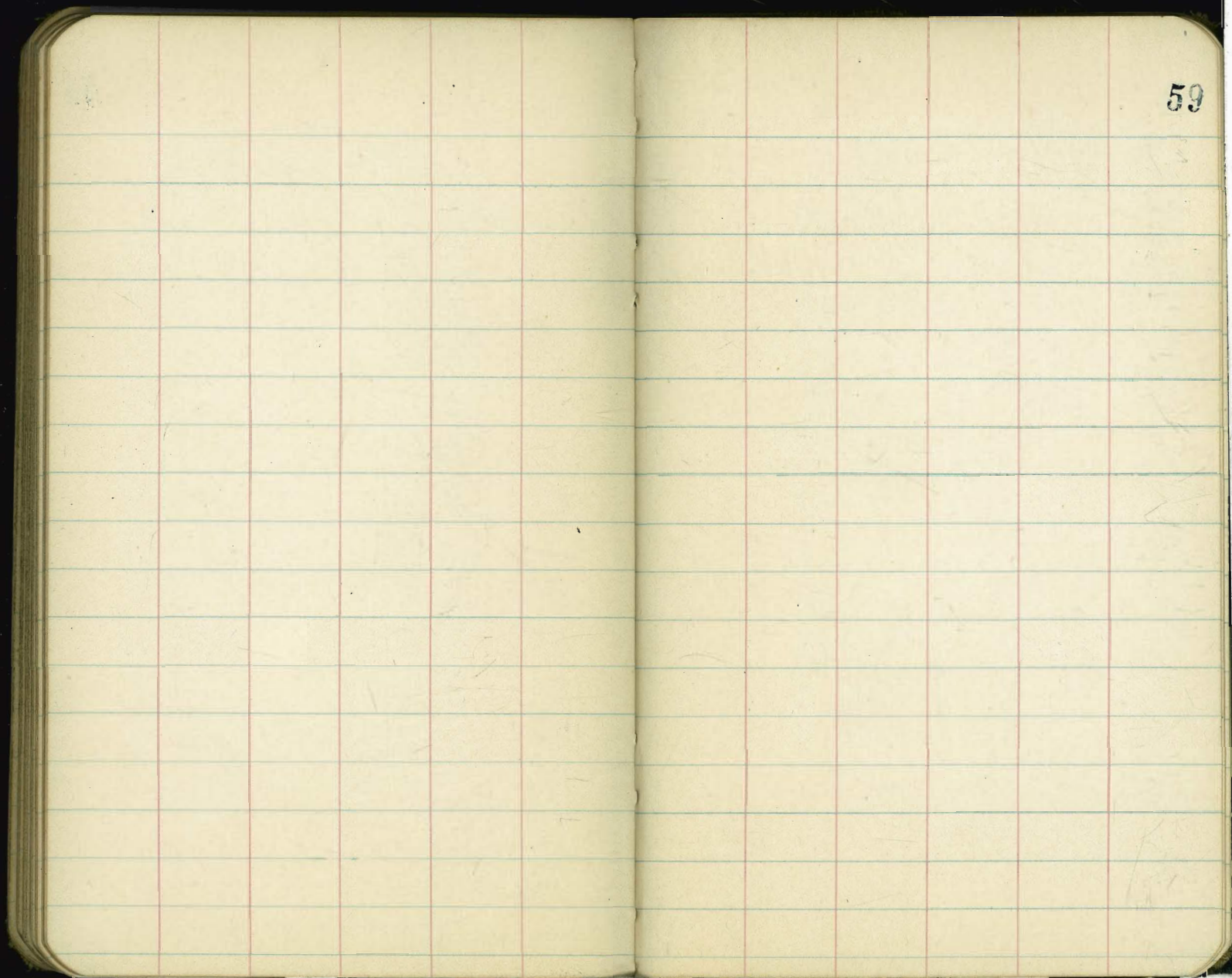
57





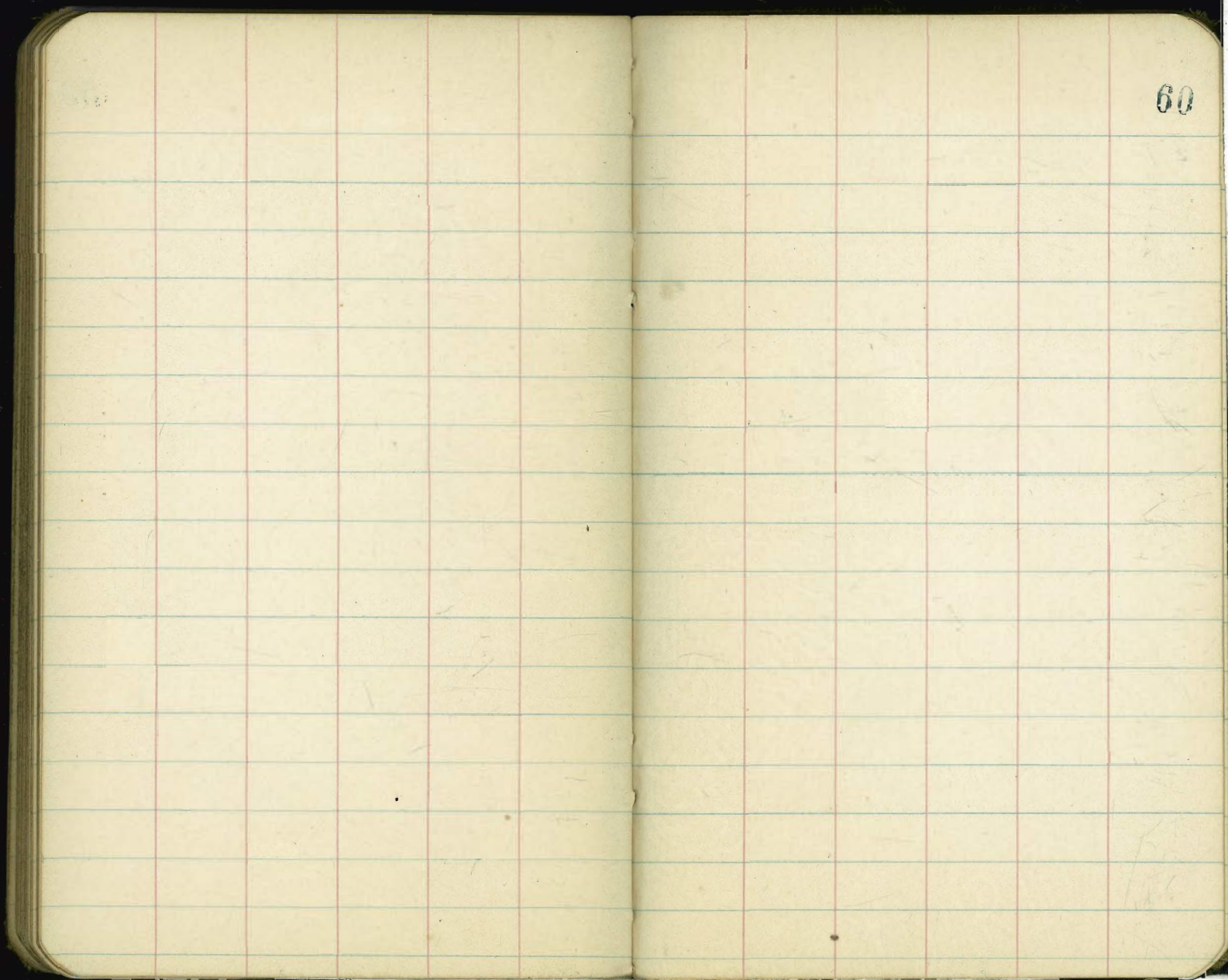
58





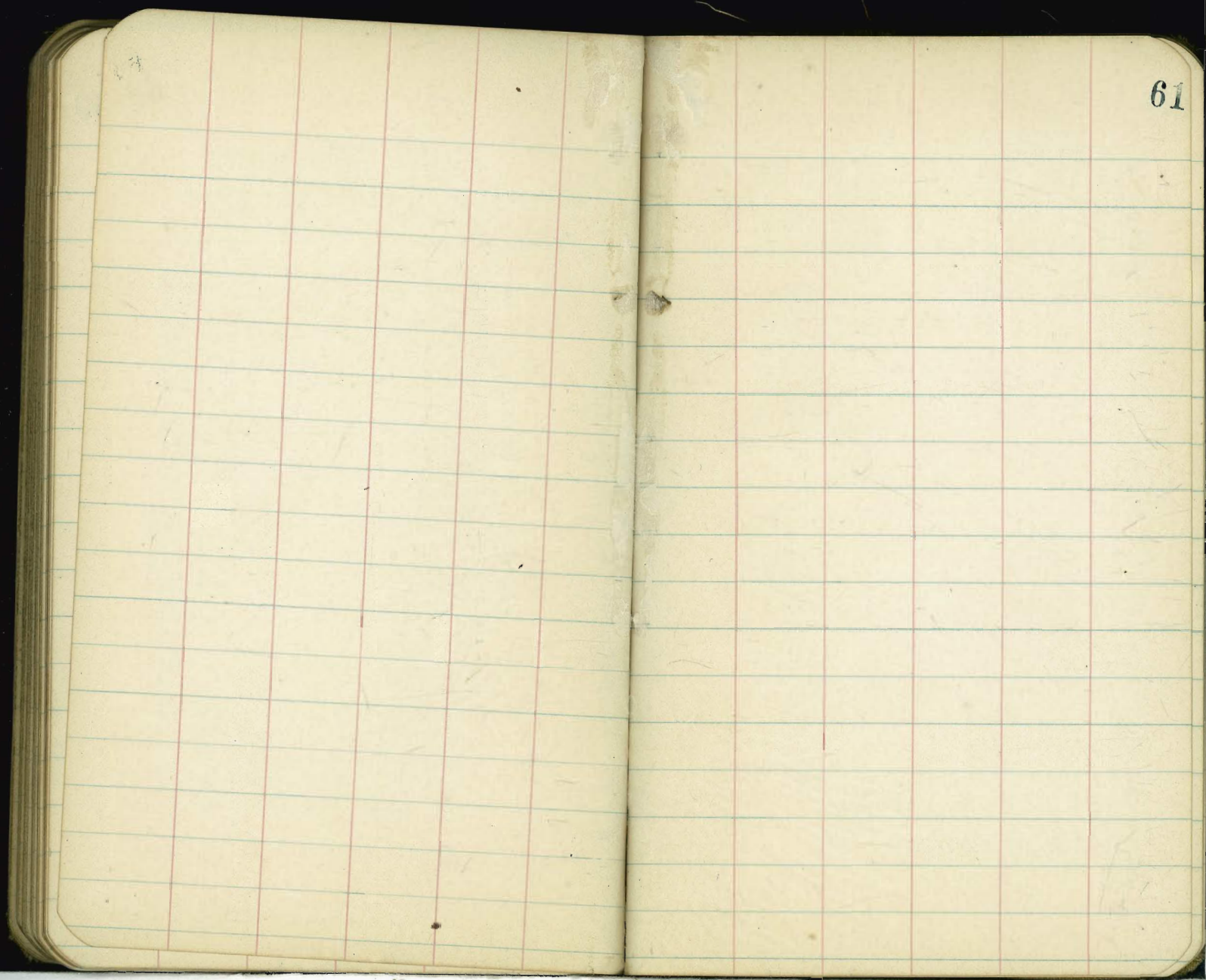
59



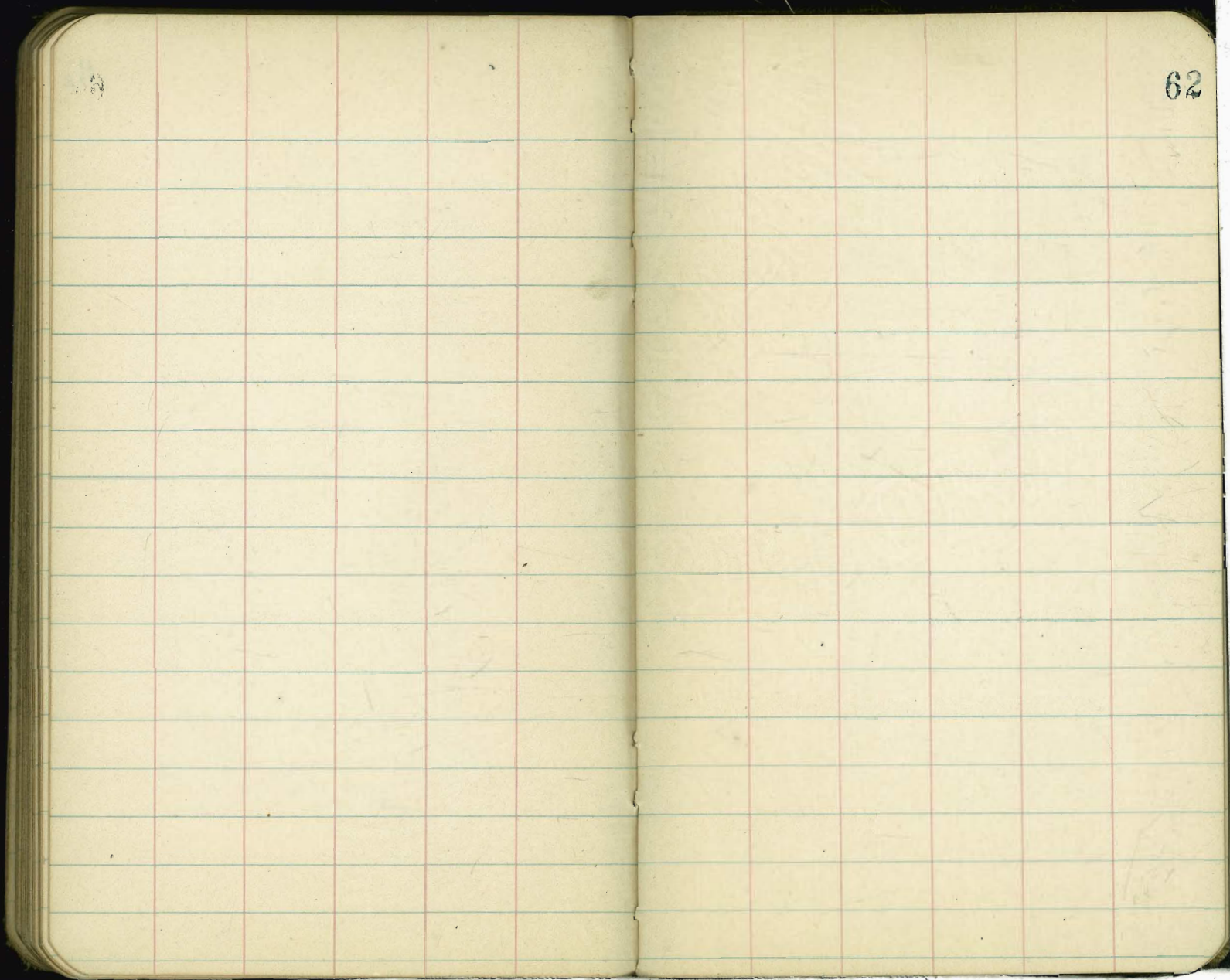


60









62



63



64

65

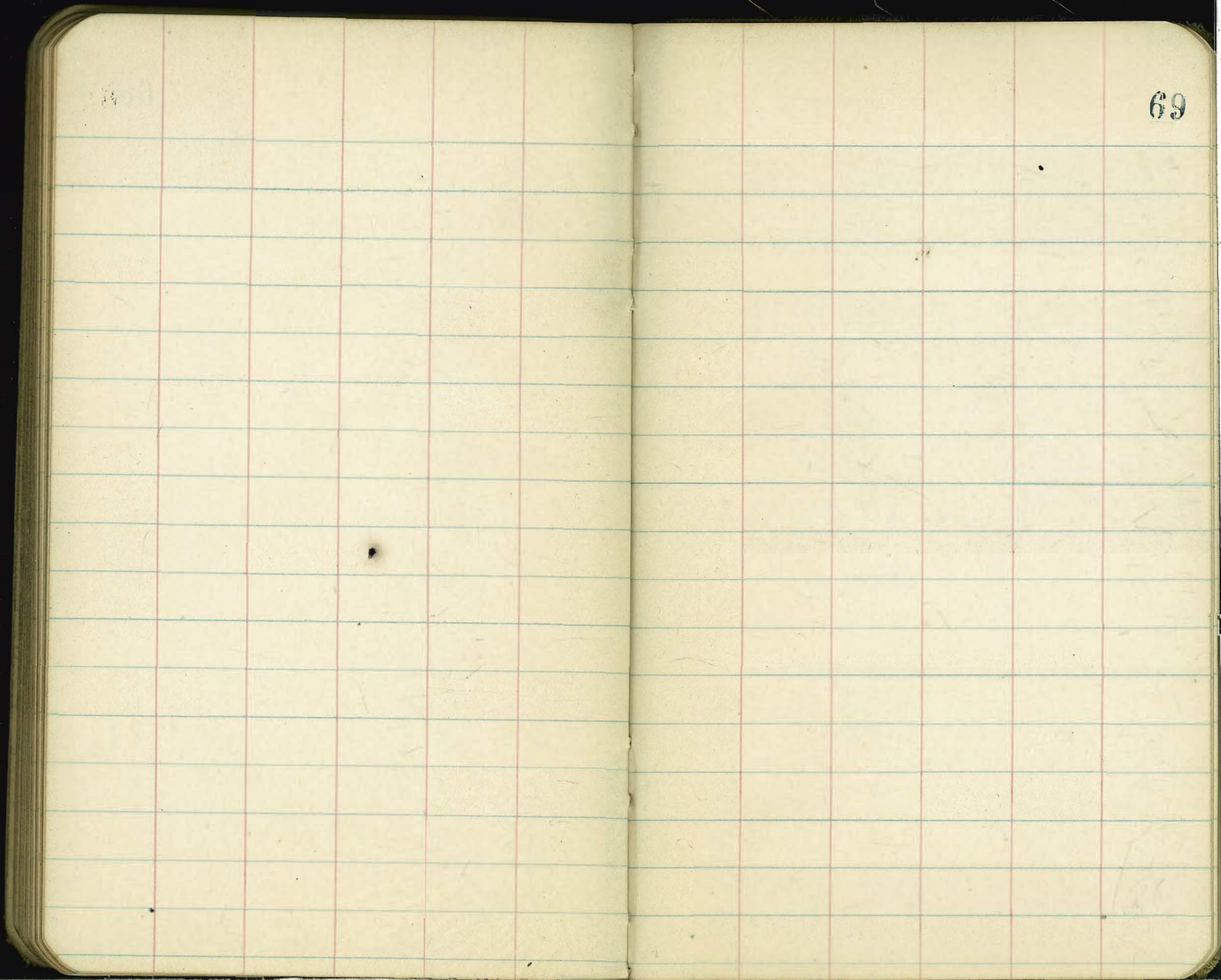


66

67



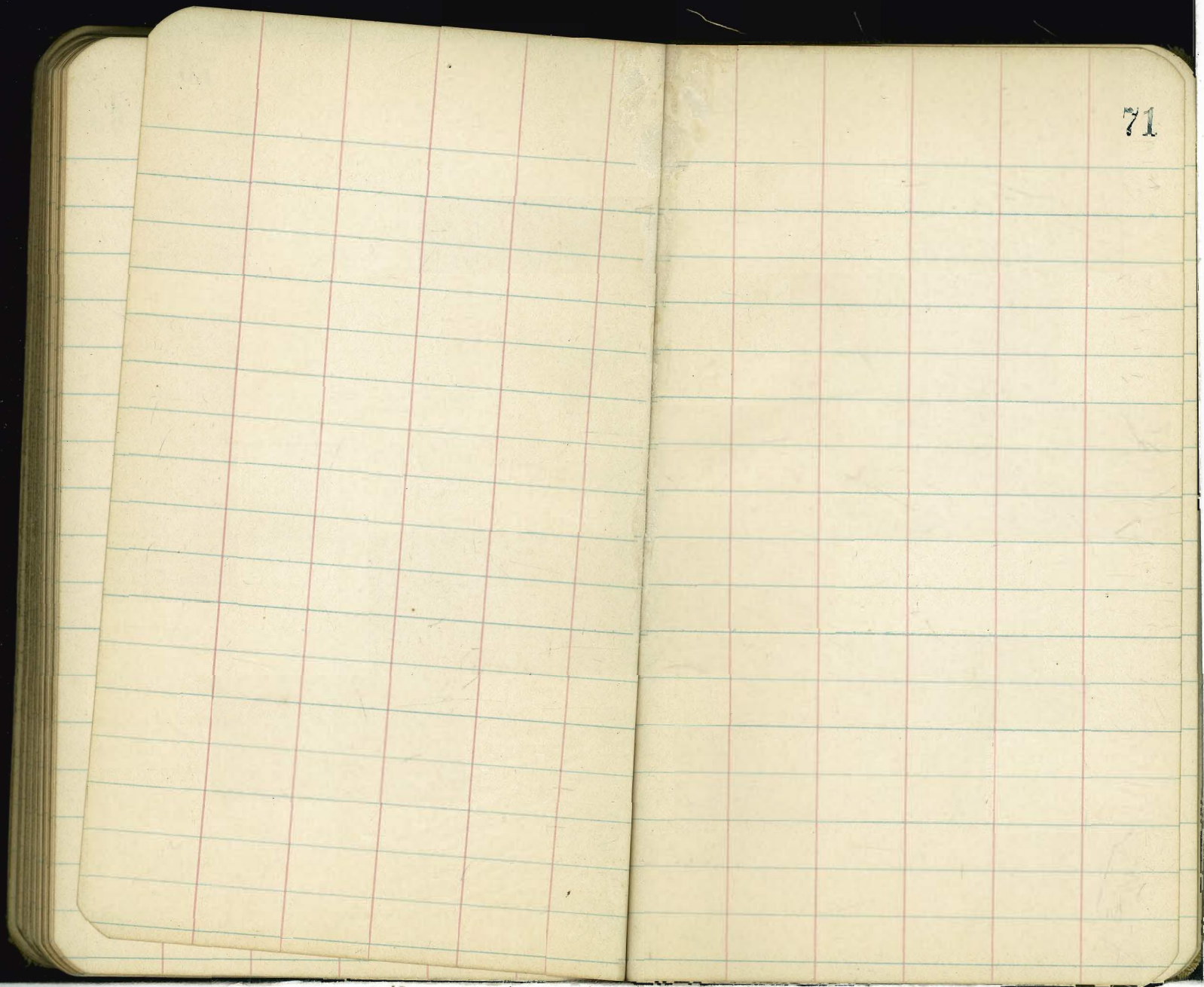
68



69



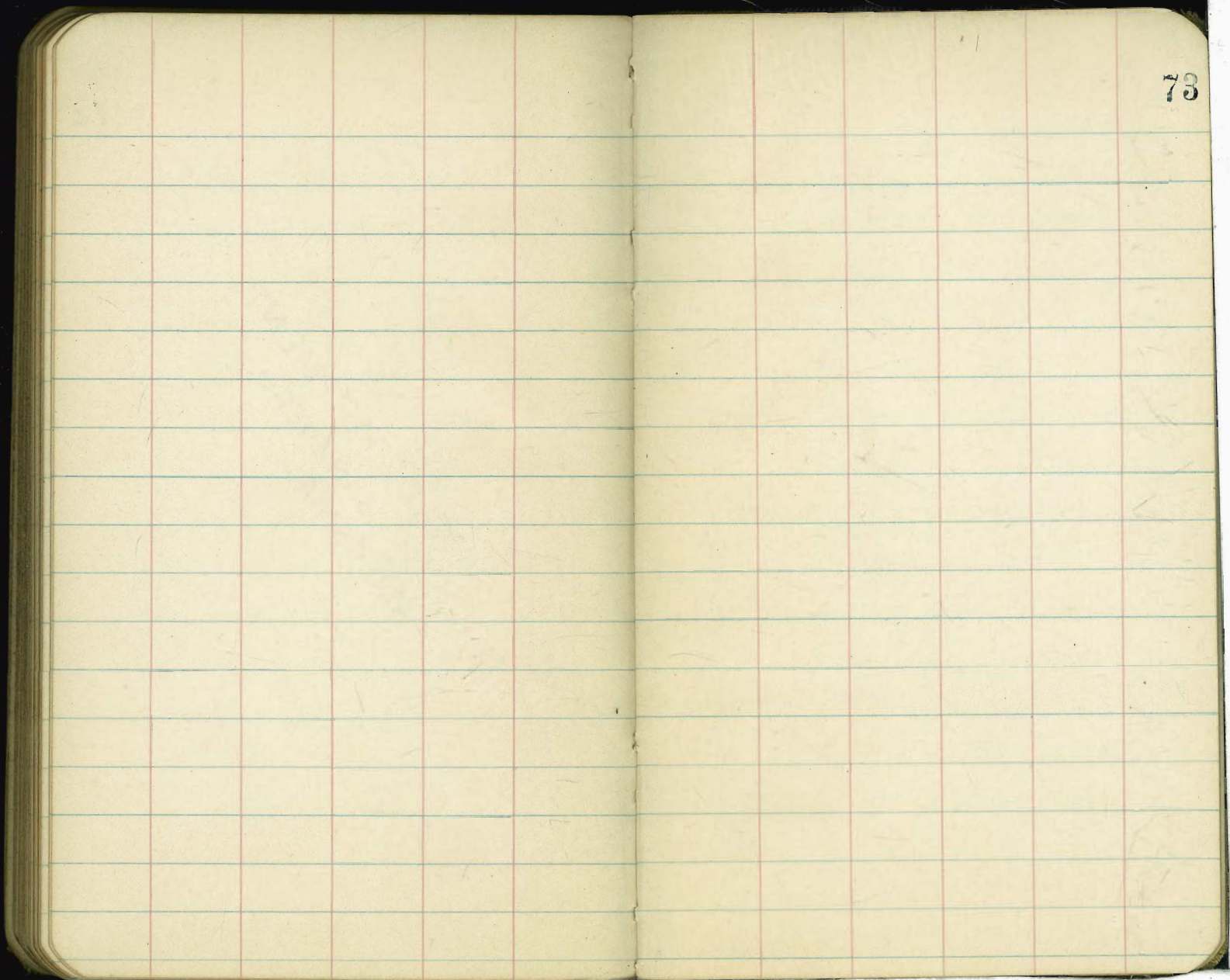
70



71



ENGINEERING DEPARTMENT,  
CITY OF CALIFORNIA,  
SAN DIEGO.



73



74

75



76

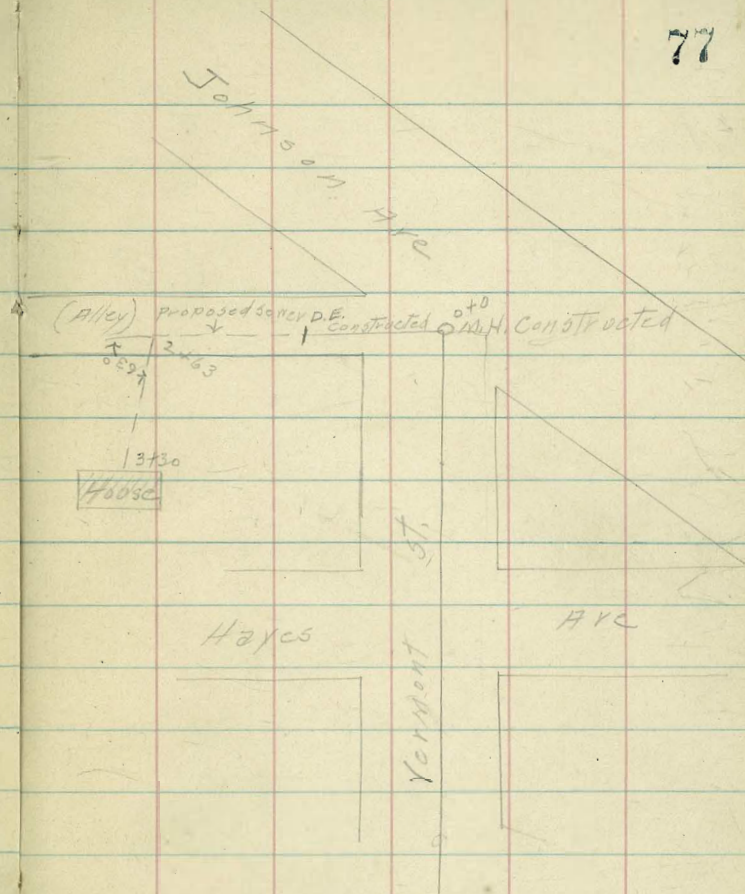
Levels for proposed extension of sewer

N.G.

B.M. Bottom of M.H. @ Vermont Alley

|                              |     |     |      |
|------------------------------|-----|-----|------|
| B.M.                         | 5.3 | 5.3 | 0.0  |
| 0+0 = M.H. @ Vermont & Alley | 1.9 | Top | 3.4  |
| +50                          |     | 1.6 | 3.7  |
| +10                          |     | 2.0 | 3.3  |
| +50                          |     | 3.6 | 1.7  |
| +10                          |     | 5.4 | -0.1 |
| +50                          |     | 6.2 | -0.9 |
| +103 =                       |     | 6.0 | -0.7 |
| +10                          |     | 6.1 | -0.8 |
| +130 = house                 |     | 6.3 | -1.0 |

77





78

Grade for top Gate Box  
Folk St. at Univ. Hts. Res.

Aug 9-1913  
West  
Moore  
Devine

79

4.98 374.98  
Curb. SW Folk + Idaho. 3700

0+23 = E. Gate Box. 525 369.73 = St Gr.  
= 25' W of W.L. Idaho  
+ E Folk.



1st St Sewer from MH bet  
E + Broadway to MH 281' N.  
E = 6' W of E. Curb line.

|                                    |      |       |               |                               |
|------------------------------------|------|-------|---------------|-------------------------------|
| Curb SW.<br>of 2nd.                | 3.27 | 38.27 |               | 35.00                         |
| T.P. Curb Recked.                  |      | 9.60  | 28.67         |                               |
|                                    | 8.58 | 37.25 |               |                               |
| 0+00 = MH on 1st<br>bet E + E Sts. |      | 9.42  | 27.83<br>9.78 | Cover King<br>6' W of<br>9.70 |
| 0+27                               |      | 8.73  | 28.52         | 10.06                         |
| 0+75                               |      | 7.74  | 29.51         | 10.69                         |
| 1+23                               |      | 6.65  | 30.60         | 11.32                         |
| 1+71                               |      | 5.61  | 31.64         | 11.95                         |
| 2+06                               |      | 5.03  | 32.22         | 12.41                         |
| 2+81 - MH.                         |      | 3.88  | 33.37         | 13.40                         |

2+0 = SW. Brass Peg Endret. 35.00  
3.27

Aug 8 1913  
West  
Moore  
Devine

80

18.11 Constructed.

18.5 ✓

18.8 ✓

19.3 ✓

19.7

19.8

20.0



145.87  
 5.44  
 139.88

51.23  
 11.33  
 139.90

VISIT BOOK.  
 of 100.

| ¼ DEGREE. |       | Degrees. |
|-----------|-------|----------|
| Lat.      | Dep.  |          |
| 99.99     | 1.31  | 89       |
| 99.95     | 3.05  | 88       |
| 99.88     | 4.80  | 87       |
| 99.79     | 6.54  | 86       |
| 99.66     | 8.28  | 85       |
| 99.50     | 10.02 | 84       |
| 99.31     | 11.75 | 83       |
| 99.09     | 13.49 | 82       |
| 98.84     | 15.21 | 81       |
| 98.56     | 16.93 | 80       |
| 98.25     | 18.65 | 79       |
| 97.90     | 20.36 | 78       |
| 97.53     | 22.07 | 77       |
| 97.13     | 23.77 | 76       |
| 96.70     | 25.46 | 75       |
| 96.25     | 27.14 | 74       |
| 95.78     | 28.82 | 73       |
| 95.28     | 30.49 | 72       |
| 94.75     | 32.14 | 71       |
| 94.19     | 33.79 | 70       |
| 93.60     | 35.43 | 69       |
| 92.98     | 37.06 | 68       |
| 92.33     | 38.67 | 67       |
| 91.65     | 40.27 | 66       |
| 90.94     | 41.87 | 65       |
| 90.20     | 43.44 | 64       |
| 89.43     | 45.01 | 63       |
| 88.63     | 46.56 | 62       |
| 87.80     | 48.10 | 61       |
| 86.94     | 49.62 | 60       |
| 86.05     | 51.13 | 59       |
| 85.13     | 52.62 | 58       |
| 84.18     | 54.10 | 57       |
| 83.20     | 55.56 | 56       |
| 82.19     | 57.00 | 55       |
| 81.15     | 58.42 | 54       |
| 80.08     | 59.83 | 53       |
| 78.98     | 61.22 | 52       |
| 77.85     | 62.59 | 51       |
| 76.68     | 64.94 | 50       |
| 75.48     | 67.28 | 49       |
| 74.24     | 69.61 | 48       |
| 72.97     | 71.93 | 47       |
| 71.67     | 74.24 | 46       |
| 70.34     | 76.54 | 45       |



21262 19 7898  
 27 62 22611  
 202702 27 62 22611  
 202702 27 62 22611  
 202702 27 62 22611

114  
 39  
 7.5  
 7+57  
 5+00  
 17.64  
 2595.6  
 176.4  
 2519.1  
 181.4  
 2650.6

358  
 28910  
 6090  
 90  
 722  
 2783  
 1865  
 778

18917  
 15982  
 19585  
 1287  
 20875

37.5348 99.34899  
 99.16  
 478.15  
 21956  
 3555  
 2550  
 63.4  
 175  
 3421  
 140.79

34899  
 9916  
 35021  
 1540.79  
 84363.15140.79  
 209.42

20942  
 13990  
 125652  
 142480  
 125652  
 168280  
 46894  
 27686  
 167536  
 74400

14079  
 3421  
 17500

14079  
 25187  
 39266

1.20269  
 20942  
 420538  
 487076  
 1082421  
 240538  
 2518673398

grade @ Juan + Twigg 43.0  
 3' cut.

### 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     | 37.16 | 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 | 90.46     | 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 |           |       |           |       |           |       |          |

