

899

F.B. 899

TRAVEL BOOK

373

# KEUFFEL & ESSER CO.

DRAWING MATERIALS

AND

SURVEYING INSTRUMENTS.

NEW YORK.

CHICAGO.

SAN FRANCISCO.

ST. LOUIS.

## TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

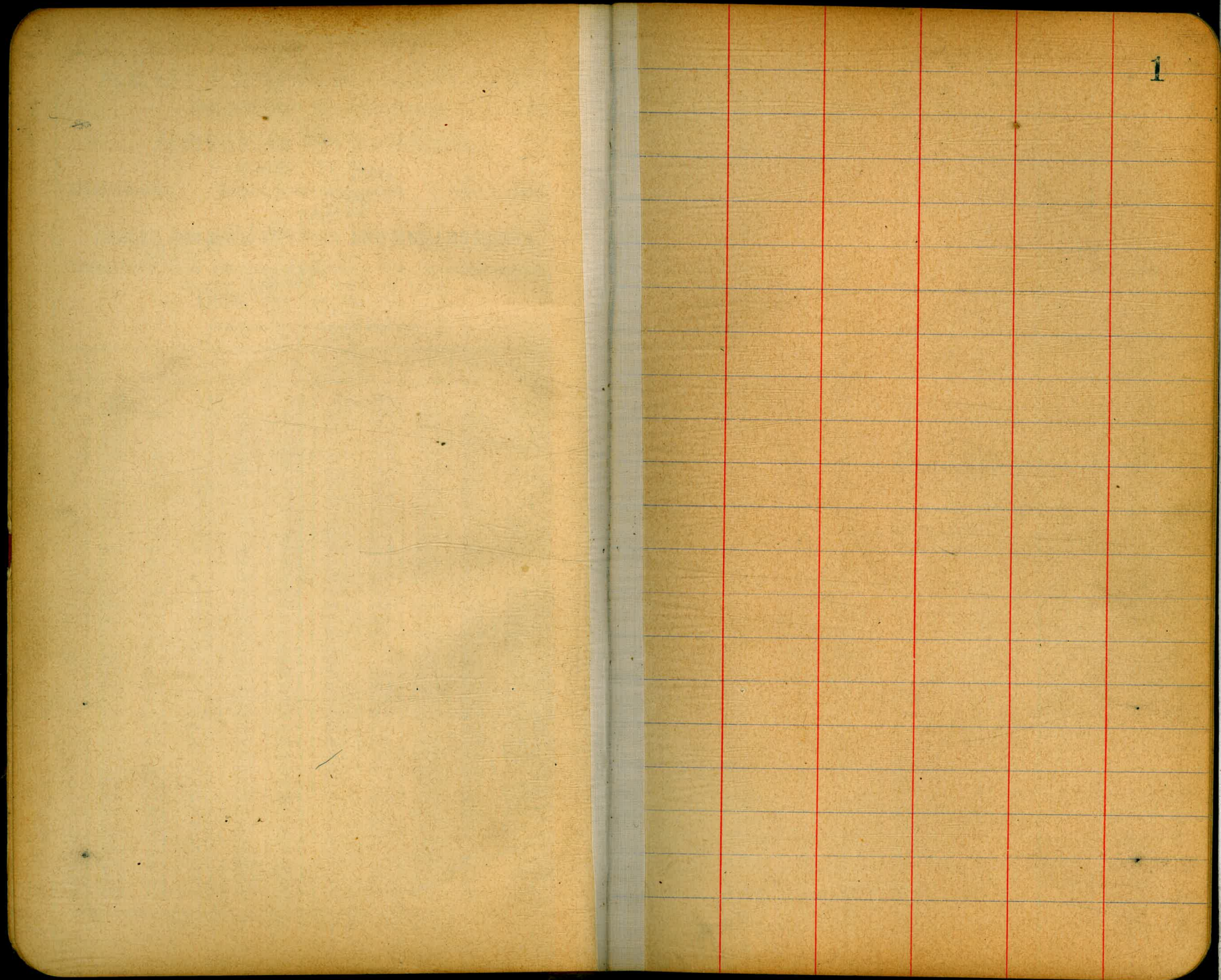
"Copyright, 1895, by Keuffel & Esser Co."

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

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

113 To Cuba Prospect Camp  
 115 To N. Pole SW Cor.  
 Sp pole NW State + Prospect 14872

660 21  
 670 21  
 680 21



1



X Sec. Sec Ave Lane  
30' wide.

July 21 - 1913  
West  
Evans  
Moore

83.02

3

BM NE. Cor. of Sec Ave

71.845

1117 83.02

E Line Boulevard

|        |      |      |
|--------|------|------|
| NL     | 11.2 | 71.8 |
| +5     | 11.4 | 71.6 |
| +10    | 11.3 | 71.7 |
| +15    | 11.1 | 71.9 |
| +20    | 11.1 | 71.9 |
| +25    | 11.2 | 71.8 |
| +30=SL | 11.4 | 71.6 |
|        | 50'E |      |
| SL     | 9.4  | 73.4 |
| 5      | 9.4  | 73.6 |
| 10     | 9.4  | 73.6 |
| 15     | 9.3  | 73.7 |
| 20     | 9.3  | 73.7 |
| 25     | 9.3  | 73.7 |
| 30=NL  | 9.2  | 73.8 |

PLOTTED

|     |       |      |
|-----|-------|------|
| NL  | 7.4   | 75.4 |
| 5   | 7.2   | 75.8 |
| 10  | 7.4   | 75.6 |
| 15  | 7.5   | 75.5 |
| 20  | 7.5   | 75.5 |
| 25  | 7.5   | 75.5 |
| SL  | 7.4   | 75.6 |
|     | 150'E |      |
| SL  | 5.7   | 77.3 |
| 5   | 5.7   | 77.3 |
| 10  | 5.7   | 77.3 |
| 15  | 5.7   | 77.3 |
| 20  | 5.6   | 77.4 |
| 25  | 5.6   | 77.4 |
| NL  | 5.7   | 77.3 |
|     | 200'E |      |
| NL  | 3.7   | 79.3 |
| +5  | 3.7   | 79.3 |
| +10 | 3.7   | 79.3 |
| 15  | 3.6   | 79.4 |
| 20  | 3.7   | 79.3 |
| 25  | 3.7   | 79.3 |
| SL  | 3.8   | 79.3 |

8302

250'E

|    |      |       |
|----|------|-------|
| 5L | 1.6  | 81.4  |
| 5  | 1.4  | 81.6  |
| 10 | 1.3  | 81.7  |
| 15 | 1.3  | 81.7  |
| 20 | 1.2  | 81.8  |
| 25 | 1.3  | 81.7  |
| NL | 1.4  | 81.4  |
| TP | 0.76 | 82.26 |

1249

94.75

300'E

|    |      |      |
|----|------|------|
| NL | 11.1 | 83.7 |
| 5  | 11.1 | 83.7 |
| 10 | 11.1 | 83.7 |
| 15 | 11.1 | 83.7 |
| 20 | 11.1 | 83.7 |
| 25 | 11.1 | 83.7 |
| 5L | 11.0 | 83.8 |

PLOTTED

94.75

Seq. Avg

4

350'E

|    |     |      |
|----|-----|------|
| 5L | 8.5 | 86.3 |
| 5  | 8.6 | 86.7 |
| 10 | 8.6 | 86.7 |
| 15 | 8.7 | 86.1 |
| 20 | 8.8 | 86.0 |
| 25 | 8.7 | 86.1 |
| NL | 8.7 | 86.1 |

400'E

|    |     |      |
|----|-----|------|
| NL | 6.5 | 88.3 |
| 5  | 6.4 | 88.4 |
| 10 | 6.4 | 88.4 |
| 15 | 6.3 | 88.5 |
| 20 | 6.0 | 88.0 |
| 25 | 6.0 | 88.0 |
| 5L | 6.2 | 88.4 |

423.4'E

|    |     |      |
|----|-----|------|
| NL | 5.4 | 89.4 |
| 5  | 5.5 | 89.3 |
| 10 | 5.5 | 89.3 |
| 15 | 5.5 | 89.3 |
| 20 | 5.3 | 89.5 |
| 25 | 5.0 | 89.8 |
| 5L | 5.1 | 89.8 |

94.75

427.7' E on NL

423.4' E on SL - WL Ry R + W

|         |     |      |
|---------|-----|------|
| 5L      | 5.0 | 89.8 |
| 7.5     | 5.1 | 89.7 |
| 10      | 5.1 | 89.7 |
| 15      | 5.2 | 89.6 |
| 20      | 5.1 | 89.7 |
| 25      | 5.2 | 89.6 |
| 30 = NL | 5.3 | 89.5 |

427.7' E.

|    |     |      |
|----|-----|------|
| NL | 5.3 | 89.5 |
| 5  | 5.3 | 89.5 |
| 10 | 5.4 | 89.4 |
| 15 | 5.7 | 89.1 |
| 20 | 7.2 | 87.6 |
| 25 | 7.6 | 87.2 |
| 3L | 8.0 | 86.8 |

432. E.

|    |     |      |
|----|-----|------|
| 5L | 7.8 | 87.0 |
| 5  | 7.9 | 86.9 |
| 10 | 8.0 | 86.8 |
| 15 | 8.2 | 86.6 |
| 20 | 8.3 | 86.5 |
| 25 | 8.3 | 86.5 |
| NL | 8.8 | 86.5 |

PLOTTED

500 Ave

94.75

444' E - Track on 10

5

|    |     |      |
|----|-----|------|
| NL | 7.2 | 87.4 |
| 5  | 7.1 | 87.7 |
| 10 | 7.1 | 87.7 |
| 15 | 7.0 | 87.8 |
| 20 | 7.1 | 87.7 |
| 25 | 7.0 | 87.8 |
| 3L | 7.0 | 87.8 |

454' E.

|    |     |      |
|----|-----|------|
| 5L | 7.6 | 87.3 |
| 5  | 7.5 | 87.3 |
| 10 | 7.6 | 87.3 |
| 15 | 7.7 | 87.1 |
| 20 | 7.7 | 87.1 |
| 25 | 7.6 | 87.2 |
| NL | 7.6 | 87.2 |

460' E.

|    |     |      |
|----|-----|------|
| NL | 3.7 | 91.1 |
| 5  | 3.8 | 91.0 |
| 10 | 3.6 | 91.3 |
| 15 | 3.4 | 91.4 |
| 20 | 2.8 | 92.0 |
| 25 | 3.1 | 91.7 |
| 3L | 3.5 | 91.3 |

94.75

463.8' E

|    |     |      |
|----|-----|------|
| SL | 2.8 | 92.0 |
| 5  | 2.7 | 92.1 |
| 10 | 2.9 | 91.9 |
| 15 | 3.3 | 91.5 |
| 20 | 3.4 | 91.4 |
| 25 | 3.5 | 91.3 |
| NL | 3.6 | 91.3 |

463.8' E on SL 467.6' E on NL = EL Ry. RT Way

|    |     |      |
|----|-----|------|
| NL | 3.3 | 91.5 |
| 5  | 3.3 | 91.5 |
| 10 | 3.2 | 91.6 |
| 15 | 3.1 | 91.7 |
| 20 | 3.9 | 90.9 |
| 25 | 2.7 | 92.1 |
| SL | 2.8 | 92.0 |

500' E

|    |     |      |
|----|-----|------|
| SL | 0.9 | 93.9 |
| 5  | 1.3 | 93.5 |
| 10 | 1.4 | 93.4 |
| 15 | 1.5 | 93.3 |
| 20 | 1.7 | 93.1 |
| 25 | 1.8 | 93.0 |
| NL | 1.9 | 92.9 |

PLOTTED

Sed Ave

6

94.75

T.P.

0.64 94.11

|        |        |      |
|--------|--------|------|
| 12.85  | 106.96 |      |
| 550' E |        |      |
| SL     | 11.5   | 95.5 |
| 5      | 11.6   | 95.4 |
| 10     | 11.8   | 95.3 |
| 15     | 11.9   | 95.1 |
| 20     | 11.8   | 95.3 |
| 25     | 12.0   | 95.0 |
| NL     | 11.9   | 95.1 |

600' E

|    |     |      |
|----|-----|------|
| NL | 9.7 | 97.3 |
| 5  | 9.7 | 97.3 |
| 10 | 9.5 | 97.5 |
| 15 | 9.4 | 97.6 |
| 20 | 9.3 | 97.7 |
| 25 | 8.9 | 98.1 |
| SL | 9.0 | 98.0 |



106.96  
650'E. Sea Ave

|    |     |       |
|----|-----|-------|
| 5L | 7.2 | 99.8  |
| 5  | 6.9 | 100.1 |
| 10 | 7.4 | 99.6  |
| 15 | 7.3 | 99.7  |
| 20 | 7.4 | 99.6  |
| 25 | 7.5 | 99.5  |
| NL | 7.7 | 99.3  |

700'E.

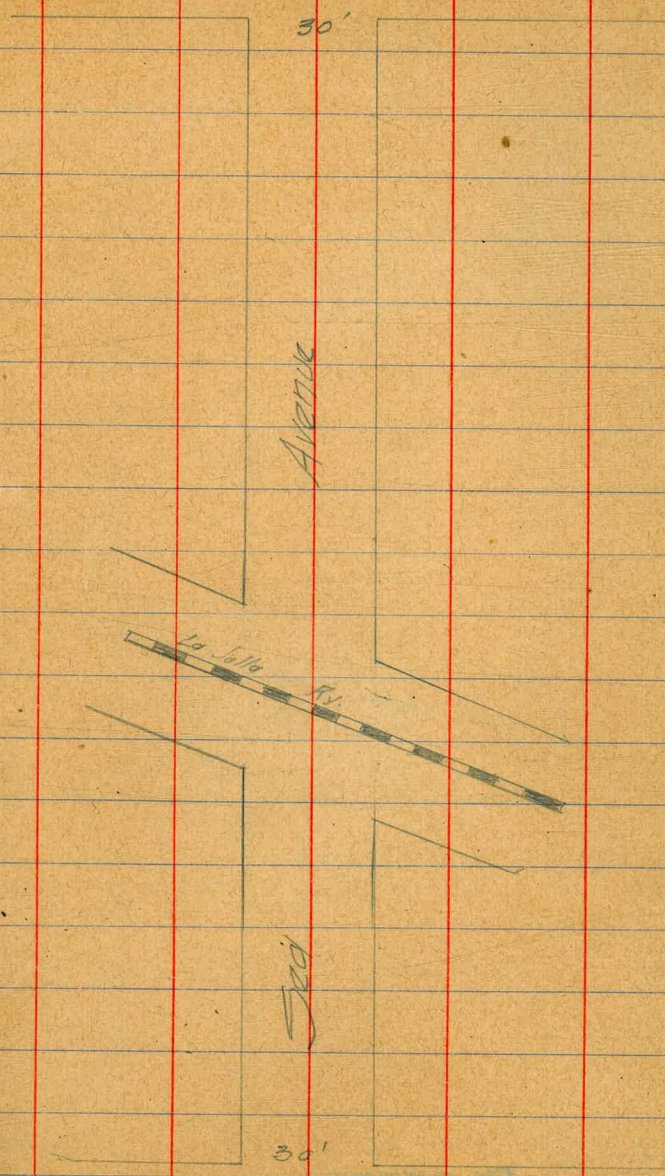
|    |     |       |
|----|-----|-------|
| NL | 5.8 | 101.2 |
| 5  | 6.0 | 101.0 |
| 10 | 5.8 | 101.2 |
| 15 | 5.6 | 101.4 |
| 20 | 5.4 | 101.6 |
| 25 | 5.2 | 101.8 |
| 30 | 5.2 | 101.8 |

715.4'E - EL.

|         |     |       |
|---------|-----|-------|
| 5L      | 4.5 | 102.5 |
| 5       | 4.4 | 102.6 |
| 10      | 4.5 | 102.5 |
| 15      | 4.9 | 102.1 |
| 20      | 5.0 | 102.0 |
| 25      | 5.1 | 101.9 |
| 30=N.L. | 5.1 | 101.9 |

**PLOTTED**

Boulevard.



Orange Street.

# X Sec. Genter Ave.

60' wide, 10' walks, 10' 1/4 s.

T.P. 106.96 0.33 106.63

T.P. 1277 119.40 1.23 118.17

11.82 129.99

WL. St.

NL 2.3 127.7

C 2.4 97.4

1/4 2.6 97.4

2 2.4 97.4

1/4 2.3 97.7

C 2.4 97.4

SL 2.3 97.7

30+ W.

SL 3.6 26.4

C 3.5 26.5

+1 3.9 26.1

1/4 3.5 26.5

2 3.5 26.5

1/4 3.8 26.7

+9 4.1 25.9

**PLOTTED**

NL 3.7

3.6 25.4

July 31-1913

West  
Evans  
Moore

Boulevard.

8

60'

Avenue.



Genter

60'

Orange Street

See page 17 for other sketch.

129.99 Genter  
80' W.

|     |    |       |
|-----|----|-------|
| NL  | 55 | 194.5 |
| C   | 57 | 243   |
| +1  | 61 | 239   |
| 1/4 | 57 | 243   |
| E   | 53 | 247   |
| 1/4 | 54 | 246   |
| +9  | 56 | 244   |
| C   | 52 | 248   |
| SL  | 50 | 250   |

130' W.

|     |     |     |
|-----|-----|-----|
| SL  | 7.1 | 229 |
| C   | 7.2 | 228 |
| +1  | 7.6 | 224 |
| 1/4 | 7.5 | 225 |
| E   | 7.3 | 227 |
| 1/4 | 7.8 | 222 |
| +9  | 8.2 | 218 |
| C   | 7.9 | 221 |
| NL  | 7.9 | 221 |

PLOTTED

129.99 st. Genter  
270' W. Orange = 160.9 <sup>of WL</sup> FL F.T. Scripts Add.

|     |     |       |
|-----|-----|-------|
| NL  | 9.2 | 120.8 |
| C   | 9.0 | 21.0  |
| 1/4 | 8.9 | 21.1  |
| E   | 8.5 | 21.5  |
| 1/4 | 8.6 | 214   |
| C   | 8.6 | 214   |
| SL  | 8.3 | 21.7  |

180' W.

|     |      |      |
|-----|------|------|
| SL  | 9.2  | 20.8 |
| C   | 9.3  | 20.7 |
| +1  | 9.8  | 20.2 |
| 1/4 | 9.4  | 20.6 |
| E   | 9.3  | 20.7 |
| 1/4 | 9.8  | 20.2 |
| +9  | 10.3 | 19.7 |
| C   | 10.0 | 20.0 |
| NL  | 10.0 | 20.0 |

PLOTTED

129.99

230' W.

|      |       |        |
|------|-------|--------|
| NL   | 12.1  | 117.9  |
| C    | 11.8  | 119.3  |
| +1   | 12.2  | 117.8  |
| 1/4  | 11.8  | 118.3  |
| £    | 11.3  | 118.7  |
| 1/4  | 11.5  | 118.5  |
| +9   | 11.8  | 118.3  |
| C    | 11.3  | 118.7  |
| SL   | 11.1  | 118.9  |
| T.P. | 12.70 | 117.29 |

113

118.42

280' W.

|     |     |      |
|-----|-----|------|
| SL  | 1.8 | 14.4 |
| +9  | 1.9 | 14.5 |
| C   | 2.4 | 14.0 |
| 1/4 | 2.1 | 14.3 |
| £   | 1.8 | 14.4 |
| 1/4 | 2.3 | 14.1 |
| +9  | 2.8 | 14.4 |
| C   | 2.4 | 14.0 |
| NL  | 2.6 | 14.8 |

PLOTTED

118.42

Genter

10

330' W.

|     |     |       |
|-----|-----|-------|
| NL  | 4.7 | 113.7 |
| C   | 4.6 | 138   |
| +1  | 5.0 | 134   |
| 1/4 | 4.6 | 138   |
| £   | 4.1 | 14.3  |
| 1/4 | 4.4 | 14.0  |
| C   | 4.6 | 13.8  |
| +1  | 4.1 | 14.3  |
| SL  | 4.0 | 14.4  |

380' W.

|     |     |      |
|-----|-----|------|
| SL  | 6.2 | 12.2 |
| +9  | 6.3 | 12.1 |
| C   | 6.7 | 11.7 |
| 1/4 | 6.5 | 11.9 |
| £   | 6.5 | 11.9 |
| 1/4 | 6.8 | 11.6 |
| +9  | 7.3 | 11.1 |
| C   | 6.9 | 11.5 |
| NL  | 7.2 | 11.2 |

118.42

430' W - EL Orange summit

|          |      |        |
|----------|------|--------|
| Hub - NL | 9.30 | 109.12 |
| C        | 9.6  | 108.8  |
| 1/4      | 9.2  | 109.3  |
| E        | 8.7  | 109.5  |
| 1/4      | 9.0  | 109.4  |
| 1/4      | 9.2  | 109.3  |
| C        | 8.6  | 109.8  |
| SL       | 8.5  | 109.9  |
| Hub - NL | 9.30 | 109.12 |

0.70 109.82

W.L Orange St.

|     |     |       |
|-----|-----|-------|
| NL  | 3.9 | 105.9 |
| C   | 3.6 | 106.3 |
| 1/4 | 3.6 | 106.2 |
| E   | 3.2 | 106.0 |
| 1/4 | 3.3 | 106.5 |
| C   | 3.1 | 106.7 |
| S-L | 2.8 | 107.0 |

PLOTTED

109.82

Genter-

11

50' W.

|     |     |       |
|-----|-----|-------|
| SL  | 5.2 | 104.6 |
| C   | 5.4 | 104.4 |
| 1/4 | 5.5 | 104.3 |
| E   | 5.8 | 104.0 |
| 1/4 | 6.1 | 103.7 |
| C   | 6.1 | 103.7 |
| NL  | 6.4 | 103.4 |

100' W.

|     |     |       |
|-----|-----|-------|
| NL  | 9.0 | 100.8 |
| C   | 8.8 | 101.0 |
| 1/4 | 8.6 | 101.3 |
| E   | 8.2 | 101.6 |
| 1/4 | 8.1 | 101.7 |
| C   | 8.0 | 101.8 |
| SL  | 7.6 | 102.2 |

109.82 Genter

150' W.

|      |       |       |
|------|-------|-------|
| SL   | 10.0  | 99.8  |
| C    | 10.6  | 99.9  |
| 1/4  | 10.8  | 99.0  |
| E    | 10.9  | 98.9  |
| 1/4  | 11.4  | 98.4  |
| C    | 11.5  | 98.3  |
| NL   | 11.5  | 98.3  |
| T.P. | 13.02 | 96.80 |

0.23 97.03

200' W.

|     |     |      |
|-----|-----|------|
| NL  | 1.4 | 95.6 |
| C   | 1.3 | 95.7 |
| 1/2 | 1.1 | 95.9 |
| E   | 0.8 | 94.3 |
| 1/4 | 0.6 | 94.4 |
| C   | 0.8 | 94.2 |
| SL  | 1.3 | 94.7 |

PLOTTED

97.03 Genter

12

250' W.

|     |     |      |
|-----|-----|------|
| SL  | 3.2 | 93.8 |
| C   | 3.3 | 93.7 |
| 1/4 | 3.5 | 93.5 |
| E   | 3.7 | 93.3 |
| 1/4 | 3.9 | 93.1 |
| C   | 4.1 | 92.9 |
| NL  | 4.0 | 93.0 |

280.2' W.

|     |     |      |
|-----|-----|------|
| NL  | 5.1 | 91.3 |
| C   | 5.6 | 91.4 |
| 1/4 | 5.8 | 91.3 |
| E   | 5.6 | 91.4 |
| 1/4 | 5.1 | 91.9 |
| C   | 5.0 | 92.0 |
| SL  | 4.8 | 92.2 |

9903

Genter

280.2' Mon NL. 292.3' W on SL  
- E L Ry Rt Way.

|                |      |       |
|----------------|------|-------|
| SL             | 5.5  | 91.5  |
| C              | 5.6  | 91.4  |
| 1/4            | 5.6  | 91.4  |
| ⊕              | 6.1  | 90.9  |
| 1/4            | 6.2  | 90.8  |
| C              | 5.9  | 91.1  |
| NL             | 5.8  | 91.2  |
| 292.3' W.      |      |       |
| NL             | 7.2  | 89.8  |
| C              | 7.2  |       |
| 1/4            | 7.0  |       |
| ⊕              | 6.6  | 90.4  |
| 1/4            | 6.2  | 90.8  |
| C              | 5.6  | 91.4  |
| SL             | 5.5  | 91.5  |
| NL - E Rail    | 7.95 | 89.08 |
| NL. W Rail     | 8.24 | 88.79 |
| SL W " PLOTTED | 7.82 | 89.21 |
| SL E "         | 7.60 | 89.43 |

9903

300' W.

Genter

13

|     |     |      |
|-----|-----|------|
| SL  | 6.0 | 91.0 |
| C   | 7.2 | 89.8 |
| 1/4 | 6.9 | 90.1 |
| ⊕   | 7.4 | 89.6 |
| 1/4 | 7.7 | 89.3 |
| C   | 8.3 | 88.7 |
| NL  | 8.2 | 88.8 |

302' W.

|     |     |      |
|-----|-----|------|
| NL  | 8.5 | 88.5 |
| C   | 8.1 | 88.9 |
| 1/4 | 7.8 | 89.3 |
| ⊕   | 7.7 | 89.3 |
| 1/4 | 7.4 | 89.6 |
| C   | 8.3 | 88.7 |
| SL  | 8.2 | 88.8 |

321' W. - NL Rt way on NL.

|     |     |      |
|-----|-----|------|
| SL  | 9.0 | 88.0 |
| C   | 8.4 | 88.6 |
| 1/4 | 8.1 | 88.7 |
| ⊕   | 8.2 | 88.8 |
| 1/4 | 8.3 | 88.7 |
| C   | 7.8 | 89.2 |
| NL  | 8.0 | 89.0 |

9703

Genter

321' W on NL. 333' W on SL =  
WL Ry Rt. way.

|     |     |      |
|-----|-----|------|
| NL  | 8.0 | 89.0 |
| C   | 7.8 | 89.7 |
| 1/4 | 8.4 | 88.6 |
| £   | 8.4 | 88.6 |
| 1/4 | 8.2 | 88.8 |
| C   | 8.3 | 88.7 |
| SL  | 7.9 | 89.1 |

333.1' W.

|     |     |      |
|-----|-----|------|
| SL  | 7.9 | 89.1 |
| C   | 8.4 | 88.6 |
| 1/4 | 8.4 | 88.6 |
| £   | 8.6 | 88.4 |
| 1/4 | 8.6 | 88.4 |
| C   | 8.2 | 88.8 |
| NL  | 8.5 | 88.5 |

350' W.

|     |     |      |
|-----|-----|------|
| NL  | 9.6 | 87.4 |
| C   | 9.6 | 87.4 |
| 1/4 | 9.5 | 87.5 |

PLOTTED

9703

Genter

14

|     |     |      |
|-----|-----|------|
| £   | 9.3 | 87.7 |
| 1/4 | 9.1 | 87.9 |
| C   | 9.0 | 88.0 |
| SL  | 8.8 | 88.2 |

400' W.

|     |      |      |
|-----|------|------|
| SL  | 11.7 | 85.3 |
| C   | 12.1 | 84.9 |
| 1/4 | 11.9 | 85.1 |
| £   | 11.8 | 85.2 |

|      |       |       |
|------|-------|-------|
| 1/4  | 12.2  | 84.8  |
| C    | 12.1  | 84.9  |
| NL   | 12.1  | 84.9  |
| T.P. | 12.40 | 84.63 |

0.54 85.17

450' W.

|     |     |      |
|-----|-----|------|
| NL  | 3.7 | 81.5 |
| C   | 3.5 | 81.7 |
| 1/4 | 3.5 | 81.7 |
| £   | 3.1 | 82.1 |
| 1/4 | 3.4 | 81.8 |
| C   | 3.5 | 81.7 |
| SL  | 3.5 | 81.7 |



85.17

Genter

500' W.

|     |     |      |
|-----|-----|------|
| SL  | 6.6 | 78.6 |
| C   | 6.7 | 78.5 |
| 1/4 | 6.4 | 78.8 |
| E   | 6.2 | 79.0 |
| 1/4 | 6.5 | 78.7 |
| C   | 6.3 | 78.9 |
| NL  | 6.5 | 78.7 |

550' W.

|     |     |      |
|-----|-----|------|
| NL  | 8.0 | 77.3 |
| C   | 8.2 | 77.0 |
| 1/4 | 8.3 | 76.9 |
| E   | 8.3 | 74.9 |
| 1/4 | 8.5 | 76.7 |
| C   | 9.0 | 76.3 |
| SL  | 8.9 | 74.3 |

600' W.

|     |      |      |
|-----|------|------|
| SL  | 10.4 | 74.8 |
| C   | 10.2 | 75.0 |
| 1/4 | 10.0 | 75.2 |

PLOTTED

85.17

Genter

15

|     |     |      |
|-----|-----|------|
| E   | 9.8 | 75.4 |
| 1/4 | 9.7 | 75.5 |
| C   | 9.7 | 75.5 |
| NL  | 9.4 | 75.8 |

650' W.

|     |      |      |
|-----|------|------|
| NL  | 11.3 | 73.9 |
| C   | 11.4 | 73.8 |
| 1/4 | 11.5 |      |
| E   | 11.4 | 73.8 |

|     |       |      |
|-----|-------|------|
| 1/4 | 11.7  | 73.5 |
| C   | 12.1  | 73.1 |
| SL  | 12.0  | 73.2 |
| TP  | 12.90 | 72.2 |

4.68

76.95

700' W.

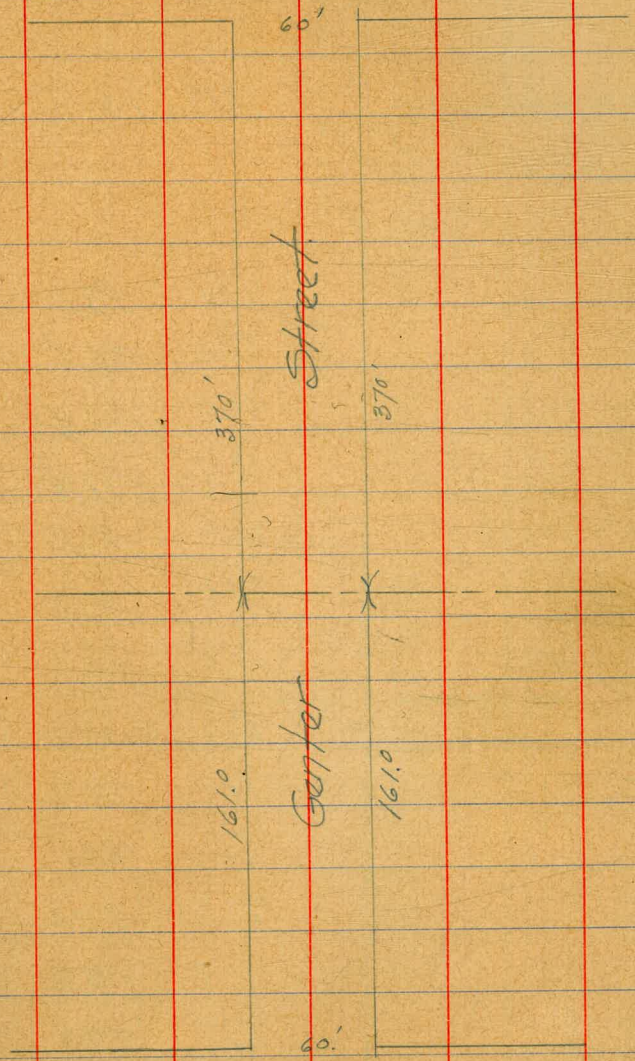
|     |     |      |
|-----|-----|------|
| SL  | 5.5 | 71.5 |
| C   | 5.6 | 71.4 |
| 1/4 | 5.4 | 71.6 |
| E   | 5.3 | 71.7 |
| 1/4 | 5.4 | 71.6 |
| C   | 5.2 | 71.8 |
| NL  | 5.1 | 71.9 |

7675  
 715.4 W-EL Boul.  
 Center.

|                        |      |              |       |
|------------------------|------|--------------|-------|
| NL                     | 56   | 71.4         |       |
| c                      | 56   | 71.4         |       |
| 1/4                    | 60   | 71.0         |       |
| E                      | 60   | 71.0         |       |
| 1/4                    | 59   | 71.1         |       |
| c                      | 59   | 71.1         |       |
| SL                     | 5.7  | 71.3         | 71.85 |
| B.M. Sed + Boul NE Cor | 5.08 | 71.87        |       |
|                        |      | <u>71.85</u> |       |
|                        |      | .02          |       |
|                        | O.K  | West         |       |

PLOTTED

Orange Street.



X Sec Marine Ave  
60' wide - 10' walks - 10' 1/4s.

B.M. Sec + Boul. 71.85 9

4.33 74.18  
(75.18)

T.P. Top White post near plug. 182 73.36

85.11  
10.75 (84.11)

Sec A - 100'

NL 12.0 73.1

C 12.6 72.5

1/4 13.2 71.9

E 13.7 71.4

1/4 14.0 71.1

C 14.1 71.0

SL 15.0 70.1

Sec B - 635.6 W. of Sec C.

SL 12.0 73.1

C 12.0 73.1

1/4 11.9 73.2

E 11.9 73.2

1/4 11.9 73.2

C 12.2 72.9

NL 12.0 73.1

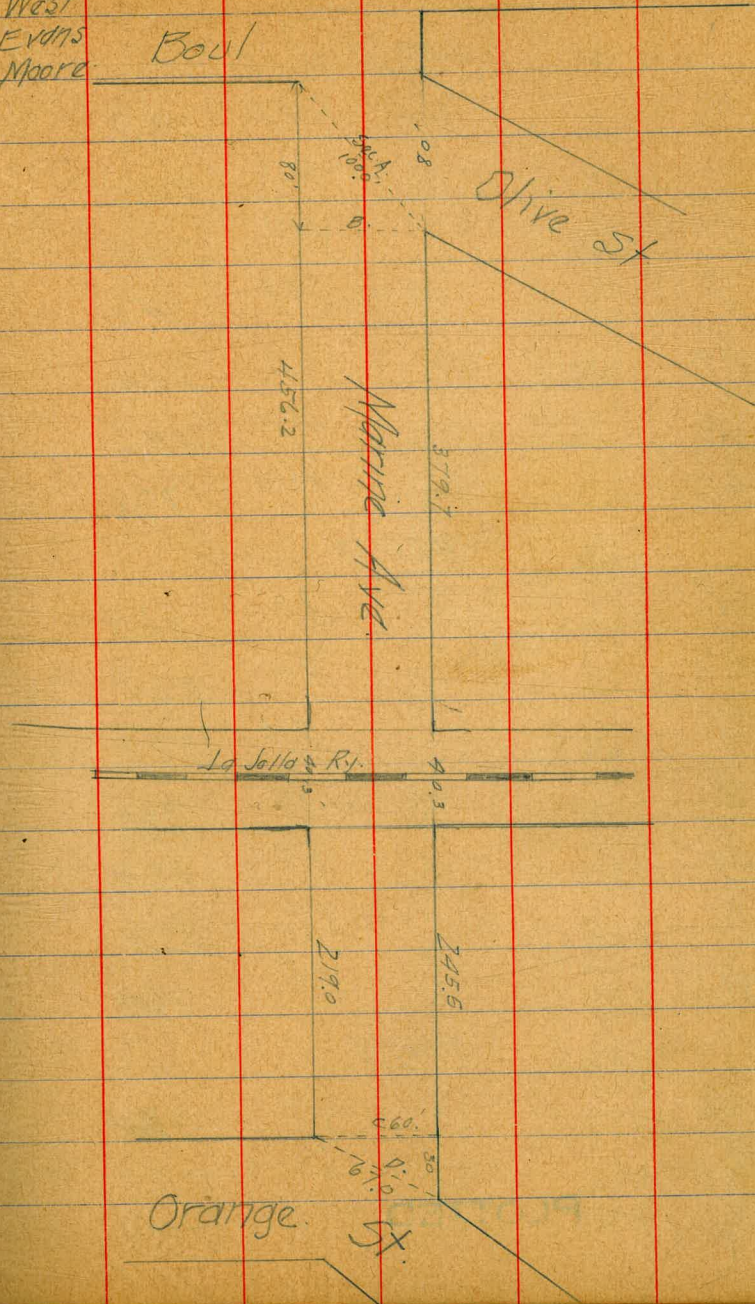
PLOTTED

July 31 1913

West  
Evans  
Moore

Boul

17



85.11  
(84.11) Marine Ave.

600' W. of Sec C.

|     |      |      |
|-----|------|------|
| NL  | 10.8 | 74.3 |
| C   | 10.7 | 74.4 |
| 1/4 | 10.8 | 74.3 |
| Φ   | 10.8 | 74.3 |
| 1/4 | 10.7 | 74.4 |
| C   | 10.4 | 74.7 |
| SL  | 10.2 | 73.9 |

550' W. Sec C.

|     |     |      |
|-----|-----|------|
| SL  | 8.3 | 76.8 |
| C   | 8.3 | 76.8 |
| 1/4 | 8.4 | 76.7 |
| Φ   | 8.6 | 76.5 |
| 1/4 | 8.7 | 76.4 |
| C   | 8.7 | 76.4 |
| NL  | 8.7 | 76.4 |

500' W

|     |     |      |
|-----|-----|------|
| NL  | 6.7 | 78.4 |
| C   | 6.3 | 78.8 |
| 1/4 | 6.3 | 78.8 |

PLOTTED

85.11 Marine Ave. 18

|     |     |      |
|-----|-----|------|
| Φ   | 6.5 | 78.6 |
| 1/4 | 6.5 | 78.6 |
| C   | 6.5 | 78.6 |
| SL  | 6.3 | 78.8 |

450' W.

|     |     |      |
|-----|-----|------|
| SL  | 4.5 | 80.6 |
| C   | 4.6 | 80.5 |
| 1/4 | 4.8 | 80.3 |
| Φ   | 4.4 | 80.7 |

|     |     |      |
|-----|-----|------|
| 1/4 | 4.8 | 80.3 |
| C   | 5.2 | 79.9 |
| NL  | 5.1 | 80.7 |

400' W.

|     |     |      |
|-----|-----|------|
| NL  | 3.5 | 81.6 |
| C   | 3.5 | 81.6 |
| 1/4 | 3.3 | 81.8 |
| Φ   | 3.2 | 81.9 |
| 1/4 | 2.7 | 82.4 |
| C   | 2.6 | 82.5 |
| SL  | 2.8 | 82.3 |

85.11  
350' W. Marine Ave

|      |     |       |
|------|-----|-------|
| SL   | 1.1 | 84.0  |
| C    | 1.3 | 83.8  |
| 1/4  | 1.4 | 83.7  |
| E    | 1.2 | 83.9  |
| 1/4  | 1.5 | 83.4  |
| C    | 1.8 | 83.3  |
| NL   | 1.9 | 83.3  |
| T.P. | 110 | 83.01 |

1026  
94.37  
93.27  
300' W.

|     |     |      |
|-----|-----|------|
| NL  | 9.2 | 85.1 |
| C   | 9.1 | 85.3 |
| 1/4 | 9.0 | 85.3 |
| E   | 8.9 | 85.4 |
| 1/4 | 8.6 | 85.7 |
| C   | 8.2 | 86.1 |
| SL  | 8.0 | 86.3 |

259.5' W on SL 256.0' W on NL  
= W.L. R. Rt. W. W.

|    |     |      |
|----|-----|------|
| SL | 7.0 | 87.3 |
| C  | 7.1 | 87.3 |

**PLOTTED**

94.37  
93.27  
Marine Ave 19

|     |     |      |
|-----|-----|------|
| 1/4 | 7.1 | 87.3 |
| E   | 7.2 | 87.1 |
| 1/4 | 7.3 | 87.0 |
| C   | 7.5 | 86.8 |
| NL  | 7.4 | 86.9 |

8' E & N to last Sec.

|     |     |      |
|-----|-----|------|
| NL  | 7.2 | 87.1 |
| C   | 7.1 | 87.3 |
| 1/4 | 6.9 | 87.5 |
| E   | 6.9 | 87.4 |
| 1/4 | 6.8 | 87.5 |
| C   | 6.8 | 87.5 |
| SL  | 6.5 | 87.8 |

2' E & N to last Sec.

|     |      |      |
|-----|------|------|
| SL  | 10.8 | 83.5 |
| C   | 10.9 | 83.4 |
| 1/4 | 10.9 | 83.4 |
| E   | 11.0 | 83.3 |
| 1/4 | 11.1 | 83.3 |
| C   | 11.2 | 83.1 |
| NL  | 11.4 | 82.9 |

(93.27) 94.27  
12' E & 11 to last line.  
- E Track.

|     |     |      |
|-----|-----|------|
| NL  | 99  | 84.4 |
| C   | 9.8 | 84.5 |
| 1/4 | 9.7 | 84.6 |
| E   | 9.6 | 84.7 |
| 1/4 | 9.5 | 84.8 |
| C   | 9.4 | 84.9 |
| SL  | 9.3 | 85.0 |

10' E from last line

|     |      |      |
|-----|------|------|
| SL  | 9.6  | 84.7 |
| C   | 9.8  | 84.5 |
| 1/4 | 10.0 | 84.3 |
| E   | 10.1 | 84.2 |
| 1/4 | 10.2 | 84.1 |
| C   | 10.4 | 83.9 |
| NL  | 10.3 | 84.0 |

8' E from last line - EL Rtnway

8-219' W on SL & 215.5' W on NL From Sec C.

|     |     |      |
|-----|-----|------|
| NL  | 6.0 | 88.3 |
| C   | 5.8 | 88.5 |
| 1/4 | 5.3 | 89.0 |

**PLOTTED**

94.27 Marine Ave 20  
(93.27)

|     |     |      |
|-----|-----|------|
| E   | 5.2 | 89.1 |
| 1/4 | 5.3 | 89.0 |
| C   | 5.2 | 89.1 |
| SL  | 4.8 | 89.5 |

200' W of Sec C.

|     |     |      |
|-----|-----|------|
| SL  | 3.9 | 90.4 |
| C   | 4.3 | 90.0 |
| 1/4 | 4.3 | 90.0 |
| E   | 4.3 | 90.0 |

|     |     |      |
|-----|-----|------|
| 1/4 | 4.5 | 89.8 |
| C   | 4.7 | 89.4 |
| NL  | 5.1 | 89.2 |

150' W Sec C

|     |     |      |
|-----|-----|------|
| NL  | 2.6 | 91.7 |
| C   | 2.5 | 91.8 |
| 1/4 | 2.2 | 92.1 |
| E   | 1.7 | 92.6 |
| 1/4 | 1.8 | 92.5 |
| C   | 1.9 | 92.4 |
| SL  | 1.7 | 92.6 |

9427 Marine Ave  
(9327)

T.P. 0.69 92.58

10305  
947 (102.05)

100' W of Sec C.

SL 8.1 95.0

C 8.3 94.8

1/4 8.4 94.7

ϕ 8.4 94.7

1/4 8.6 94.5

C 8.7 94.4

NL 8.8 94.3

50' W of Sec C.

NL 6.7 94.4

C 6.4 96.7

1/4 6.2 96.9

ϕ 6.2 96.9

1/4 6.2 96.9

C 6.1 97.0

SL 5.8 97.3

PLOTTED

10305 Marine Ave  
(102.05)

21

Sec C.

SL 3.7 99.4

C 3.8 99.3

1/4 4.0 99.1

ϕ 4.2 98.7

1/4 4.4 98.7

C 4.4 98.7

NL 4.6 98.5

Sec D - 30' E of C on NL.

NL 3.4 99.7

C 3.6 99.5

1/4 3.5 99.6

ϕ 3.6 99.5

1/4 3.5 99.6

C 3.5 99.6

SL 3.7 99.4

T.P. Bot. Board Fence SL at Cor. 2.83 99.22 100.22

PLOTTED

2/13/13 X sec of Birch St (86)

Pyroclastic vein

0.74 35.42

34.88

82m 12.7m  
B898

85.6 WJ

Osborne St

Birch  
22

W line of Osborne St

S

107 24.7

34.24  
76  
25.42

S

57 29.7

95 25.9

50 30.4

75 27.9

51 30.3

S

60 29.4

b

53 30.1

47 30.7

51 30.3

32 32.3

44 31.0

or = angle

20 33.4

n

25 33.9

120 W = end of Barren vein

50

WJ

Osborne

30.7 W = angle

23 33.1

n

23 33.1

nd

22 33.5

36 31.8

24 33.0

50 30.4

34 32.0

b

62 29.2

b

47 30.7

72 28.3

64 29.0

90 26.4

84 27.0

S

94 26.0

S

108 24.6

PLOTTED







4393

266

E =

Mid of Earl St (60')

33 40.6

26 41.3

24 41.5

19 42.0

18 42.1

15 42.4

10 42.9

W

Mid of Earl St

08 43.1

15 43.4

20 41.9

23 41.6

28 41.1

31 40.8

35 40.4

PLOTTED

4393

4393

Birch

25

W

147

Earl St

46 39.3

37 40.2

32 40.7

26 41.3

23 41.6

16 42.3

10 42.9

Center of Earl

11 42.8

20 41.9

25 41.4

34 40.5

37 40.3

45 39.4

53 38.6

4393  
4393

E 14 of Earl 14

S 59 38.0

51 38.8

43 39.6

b 38 40.1

30 40.9

22 41.7

n 14 42.5

E 16 of Earl

n 16 42.3

26 41.3

33 40.4

b 40 39.9

47 39.2

55 38.4

S 66 37.3

PLOTTED

4393  
4393

Brick 26

E 14 of Earl 14

S 72 34.7

62 37.7

54 38.5

b 47 39.2

37 40.2

28 41.1

n 22 41.7

50 E of Earl

n 39 40.0

46 39.3

56 38.3

b 68 37.1

77 36.2

90 34.9

S 104 33.5

4393

|    | 100 | E of        | Earl st     |             |
|----|-----|-------------|-------------|-------------|
| S  |     |             | 125         | 31.4        |
|    |     |             | 106         | 33.3        |
|    |     |             | 92          | 34.7        |
| b  |     |             | 79          | 36.0        |
|    |     |             | 71          | 36.8        |
|    |     |             | 66          | 37.3        |
| n  |     |             | 57          | 38.5        |
| TP | 380 | <u>3615</u> | <u>1158</u> | <u>3235</u> |
|    | 150 | E of        | Earl st     |             |
| n  |     |             | 02          | 36.0        |
|    |     |             | 13          | 34.9        |
|    |     |             | 25          | 33.7        |
| b  |     |             | 36          | 32.6        |
|    |     |             | 44          | 31.8        |
|    |     |             | 60          | 30.2        |
| S  |     |             | 74          | 28.8        |

PLOTTED

3615  
3615

Dist

27

|   | 200  | E of | Earl st   |      |
|---|------|------|-----------|------|
| S |      |      | 104       | 25.8 |
|   |      |      | 89        | 27.3 |
|   |      |      | 82        | 28.0 |
| b |      |      | 74        | 28.8 |
|   |      |      | 68        | 29.4 |
|   |      |      | 60        | 30.2 |
| n |      |      | 52        | 31.0 |
|   | 2305 | E =  | 36 on 2 1 |      |
| n |      |      | 23        | 26.9 |
|   |      |      | 25        | 26.7 |
|   |      |      | 27        | 26.5 |
| b |      |      | 25        | 26.7 |
|   |      |      | 100       | 26.9 |
|   |      |      | 108       | 25.4 |
| S |      |      | 122       | 24.0 |

4393  
1158  
2631  
380  
3615

PLOTTED

34.15

230.5' E on n  
236' E on SW

Bldg wd of 40 ft

126 236

114 25.0

103 25.9

98 26.4

98 26.4

96 26.6

93 26.9

20' E = wd of 40 ft

20' N = 86

102 26.0

N2 = P3

106 25.6

106 25.6

100 26.2

104 25.8

117 24.5

127 23.5

S2 = P3

140 22.2

20' S = 86

162 20.0

check

996 26.9

162 Bm  
1898

PLOTTED

2  
5  
3

X sec of 40' S 60' E to St. Saut.

3357

28

Bm

741 3357

2616

(65') Siding of E to St

20' W = 86

71.0

24.6

N2 = P3

1.0

22.6

2.0

31.6

38

29.8

b

46

29.0

52

28.0

54

28.7

E2 = N3

48

28.8

20' E = 86

20

31.6

(65') 20' S = 86

1

E /

49

28.7

61

28.5

62

28.4

b

50

28.6

44

29.2

31

30.5

17

31.9

9W

PLOTTED

266  
74  
2369

3357

24' S on W  
E6 on E } 85' n of E6 rd Birch

|   |     |               |
|---|-----|---------------|
| W | 27  | 30.9          |
|   | 47  | 28.9          |
|   | 51  | 28.5          |
| b | 60  | 27.6          |
|   | 68  | 26.8          |
|   | 72  | 27.4          |
| E | 50  | 28.6          |
|   | 50' | n of E6 on rd |
|   |     | Birch         |
| E | 60  | 27.6          |
|   | 74  | 26.2          |
|   | 80  | 25.6          |
| b | 78  | 25.8          |
|   | 70  | 26.6          |
|   | 65  | 27.1          |
| W | 47  | 28.9          |

PLOTTED

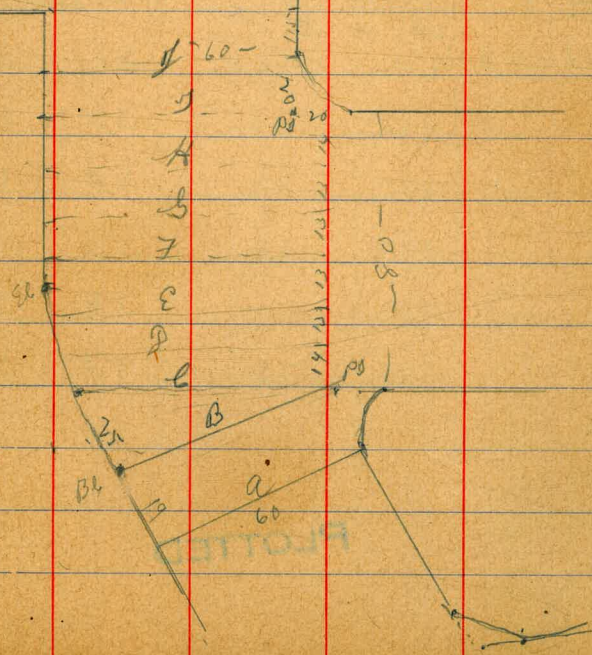
3357

40th

29

(29) End of lane to the Birch

|   |     |      |
|---|-----|------|
| W | 77  | 25.9 |
|   | 88  | 24.8 |
|   | 94  | 24.2 |
| b | 102 | 23.4 |
|   | 92  | 24.4 |
|   | 84  | 25.2 |
| E | 66  | 27.0 |



B6 on E  
 LB N line of Birch st on W

Ed = B6. 69 26.7

9.0 24.3

10.1 23.5

6 10.7 22.9

10.1 23.5

9.2 24.4

Wd = PJ 8.2 25.4

TP 140 27.56 741 26.16

LB (64) PJ on W side of Birch st (80)  
 25.5 on E

Wd = PJ 2.1 25.8

3.2 24.4

4.0 23.6

6 5.3 22.3

5.4 22.2

5.3 22.3

2 4.0 23.6

PLOTTED

LB N line of Birch

Ed 5.7 21.9

6.1 21.5

6.1 21.5

6 5.4 22.2

4.0 23.4

3.0 24.6

Wd. 2.0 25.6

LB N 1/4 of Birch

W 1.6 26.0

2.5 25.1

3.7 23.9

6 5.1 22.5

6.6 21.0

7.3 20.3

E 6.5 21.1

26.16  
 1.40  
 27.56



2756

| L | Z | Center of Birch |
|---|---|-----------------|
| E |   | 73 20.3         |
|   |   | 75 20.1         |
|   |   | 69 20.7         |
| b |   | 52 22.4         |
|   |   | 41 23.5         |
|   |   | 30 24.6         |
| W |   | 18 28.1         |

L-G S 1/4 of Birch

|   |  |         |
|---|--|---------|
| W |  | 31 24.5 |
|   |  | 41 23.5 |
|   |  | 50 22.6 |
| b |  | 59 21.7 |
|   |  | 69 20.7 |
|   |  | 79 19.7 |
| E |  | 82 19.4 |

PLOTTED

2756

40. 31

L-H S 1/4 of Birch

|   |  |         |
|---|--|---------|
| E |  | 89 18.7 |
|   |  | 83 19.3 |
|   |  | 74 20.3 |
| b |  | 66 21.0 |
|   |  | 56 22.0 |
|   |  | 52 22.4 |
| W |  | 41 23.5 |

L-J S 1/4 of Birch

|      |  |         |
|------|--|---------|
| W-PS |  | 56 22.0 |
|      |  | 63 21.3 |
|      |  | 69 20.7 |
| b    |  | 78 19.8 |
|      |  | 80 19.6 |
|      |  | 85 19.1 |
| E    |  | 96 18.0 |

2756

20 S = E 6

W 10.6 17.0

97 17.9

91 18.5

S 9.0 18.4

87 18.9

83 19.3

E = E 6 78 19.8

11.5' S of E 6 - 2 S Ardica (60)

E 84 19.7

91 18.5

96 18.0

S 98 17.8

99 17.7

108 14.9

W 107 14.9

PLOTTED

2756

N 66 of Ardica

E 112 14.4

112 14.4

106 17.0

S 104 17.7

102 17.4

97 17.9

W 92 18.4

N 44 of Ardica

W 100 17.4

106 17.0

108 14.8

S 110 14.6

112 14.4

114 14.3

E 114 14.3

2756

Center of Hardica

|   |      |      |
|---|------|------|
| E | 120  | 15.6 |
|   | 120  | 15.6 |
|   | 11.8 | 15.8 |
| b | 11.3 | 16.3 |
|   | 11.4 | 16.3 |
|   | 11.4 | 16.3 |
| W | 11.0 | 16.6 |

S 1/4 of Hardica

|   |                         |      |
|---|-------------------------|------|
| W | 120                     | 15.6 |
|   | 123                     | 15.3 |
|   | <del>11.6</del><br>14.6 | 16.0 |
| b | 11.6                    | 16.0 |
|   | 123                     | 15.3 |
|   | 125                     | 15.1 |
| E | 123                     | 15.3 |

PLOTTED

2756

40

33

S of Hardica

|   |      |      |
|---|------|------|
| E | 125  | 15.1 |
|   | 125  | 15.1 |
|   | 125  | 15.1 |
| b | 11.9 | 15.7 |
|   | 11.9 | 15.7 |
|   | 126  | 15.0 |
| W | 126  | 15.0 |

S half Hardica

|    |      |       |
|----|------|-------|
| W  | 126  | 15.0  |
|    | 127  | 14.9  |
|    | 125  | 15.5  |
| b  | 121  | 15.5  |
|    | 126  | 15.0  |
|    | 124  | 15.3  |
| E  | 123  | 15.3  |
| TP | 384  | 19.08 |
|    | 1230 | 15.26 |

2756  
1230  
15.26  
384  
19.08

1908

50' S of Hardica

|   |     |      |
|---|-----|------|
| E | 4.1 | 15.0 |
|   | 4.2 | 14.9 |
|   | 4.2 | 14.9 |
| S | 4.2 | 14.9 |
|   | 4.2 | 14.9 |
|   | 4.1 | 15.0 |
| W | 4.6 | 14.5 |

100' S of Hardica

|   |     |      |
|---|-----|------|
| W | 4.5 | 14.6 |
|   | 4.5 | 14.6 |
|   | 4.4 | 14.7 |
| S | 4.1 | 15.0 |
|   | 4.3 | 14.8 |
|   | 4.2 | 14.9 |
| E | 4.4 | 14.7 |

PLOTTED

1908  
1908

40'

34

150' S of Hardica

|   |     |      |
|---|-----|------|
| E | 4.2 | 14.9 |
|   | 4.3 | 14.8 |
|   | 4.6 | 14.5 |
|   | 4.3 | 14.8 |
|   | 4.5 | 14.6 |
|   | 4.7 | 14.4 |
| W | 4.8 | 14.3 |

180' S = BGM on E side

|   |     |      |
|---|-----|------|
| W | 4.9 | 14.3 |
|   | 5.0 | 14.1 |
|   | 4.7 | 14.4 |
| S | 4.4 | 14.7 |
|   | 4.4 | 14.7 |
|   | 4.7 | 14.4 |
| E | 4.6 | 14.5 |

PLOTTED



2210

150' S of bottom

|    |      |      |     |       |
|----|------|------|-----|-------|
| E  |      |      | 49  | 17.3  |
|    |      |      | 1.0 | 21.1  |
|    |      |      | 0.6 | 21.5  |
| b  |      |      | 0.9 | 21.7  |
|    |      |      | 1.0 | 21.1  |
|    |      |      | 1.2 | 20.9  |
| W  |      |      | 0.7 | 21.4  |
| TP | 1285 | 3230 | 265 | 19.45 |
|    | 175  | S of |     |       |
| W  |      |      | 81  | 24.2  |
|    |      |      | 81  | 24.2  |
|    |      |      | 77  | 24.4  |
| b  |      |      | 76  | 24.7  |
|    |      |      | 76  | 24.7  |
|    |      |      | 77  | 24.6  |
|    | 75   |      | 79  | 24.4  |
| E  |      |      | 115 | 20.8  |

PLOTTED

3230  
3230

46

36

200' S of bottom

|    |      |      |     |       |       |
|----|------|------|-----|-------|-------|
| E  |      |      | 69  | 25.4  | 2210  |
|    | 75   |      | 30  | 29.3  | 265   |
|    |      |      | 30  | 29.3  | 19.45 |
|    |      |      |     |       | 12.81 |
|    |      |      |     |       | 32.30 |
|    |      |      |     |       | 28    |
|    |      |      |     |       | 21.52 |
|    |      |      |     |       | 12.52 |
|    |      |      |     |       | 63.84 |
| b  |      |      | 30  | 29.3  |       |
|    |      |      | 32  | 29.1  |       |
|    |      |      | 35  | 28.8  |       |
|    |      |      | 30  | 29.3  |       |
|    |      |      | 29  | 29.4  |       |
| W  |      | 4384 | 29  | 29.4  |       |
| TP | 1232 | 4384 | 078 | 31.52 |       |
|    | 250  | S of |     |       |       |
| W  |      |      | 39  | 39.9  |       |
|    |      |      | 52  | 38.4  |       |
|    |      |      | 62  | 37.6  |       |
|    |      |      | 64  | 37.4  |       |
|    |      |      | 67  | 37.1  |       |
|    |      |      | 68  | 37.0  |       |
|    |      |      | 68  | 37.0  |       |
|    | 75   |      | 85  | 35.3  |       |

4384  
4384

265' S = P6 on W

|       |                |      |     |       |            |
|-------|----------------|------|-----|-------|------------|
| E     |                |      | 65  | 37.3  |            |
|       | 45'            |      | 54  | 38.4  |            |
|       |                |      | 56  | 38.3  |            |
|       |                |      | 52  | 38.6  |            |
| b     |                |      | 48  | 39.0  |            |
|       |                |      | 46  | 39.3  |            |
|       |                |      | 32  | 40.6  |            |
| W     |                |      | 24  | 41.4  |            |
| (67') | 265' = P6 on W | }    | 24  | 41.4  |            |
|       | 295' = P6 on E |      |     |       |            |
| W     |                |      | 30  | 40.8  |            |
|       |                |      | 40  | 39.8  |            |
| b     |                |      | 36  | 40.5  |            |
|       |                |      | 40  | 39.8  |            |
|       |                |      | 38  | 40.0  |            |
| E     |                |      | 32  | 40.4  |            |
| 70    | 560            | 4886 | 064 | 93.20 | 192 Bot 40 |

PLOTTED

4886  
4886

37

S Lin of Main Vein E bon 84w

|   |     |  |    |      |  |
|---|-----|--|----|------|--|
| W |     |  | 56 | 43.3 |  |
|   |     |  | 57 | 43.3 |  |
|   | Sub |  | 64 | 42.5 |  |
|   |     |  | 57 | 43.3 |  |
| b |     |  | 54 | 43.5 |  |
|   |     |  | 60 | 42.9 |  |
|   | Sub |  | 65 | 42.4 |  |
|   |     |  | 58 | 43.1 |  |
| E |     |  | 52 | 43.8 |  |

50 S of Main Vein

|   |     |  |    |      |  |
|---|-----|--|----|------|--|
| E |     |  | 45 | 44.4 |  |
|   |     |  | 48 | 44.1 |  |
|   | Sub |  | 58 | 43.1 |  |
|   |     |  | 52 | 43.7 |  |
| b |     |  | 47 | 44.3 |  |
|   |     |  | 52 | 43.7 |  |
|   | Sub |  | 58 | 43.1 |  |
|   |     |  | 50 | 43.9 |  |
| W |     |  | 48 | 44.1 |  |

Side Wall in on both sides for  
Main vein to Division & no links  
Returns are in at Division &

100 S of Marin view

|       |     |      |
|-------|-----|------|
| W     | 4.0 | 44.9 |
|       | 4.2 | 44.7 |
| South | 5.0 | 43.9 |
|       | 4.3 | 44.6 |
| b     | 3.9 | 45.0 |
|       | 3.9 | 45.0 |
| South | 4.6 | 44.5 |
|       | 3.7 | 45.3 |
| E     | 3.5 | 45.4 |

150.5 S of = N of Division St

|              |      |       |
|--------------|------|-------|
| S            | 2.5  | 46.4  |
| Up on Return | 2.75 | 46.11 |
| South        | 3.6  | 45.3  |
|              | 3.4  | 45.5  |
|              | 3.2  | 45.7  |
|              | 3.7  | 45.2  |
| South        | 4.4  | 44.5  |
| on Return    | 3.7  | 45.3  |
| W            | 3.5  | 45.4  |

PLOTTED

05.11



10/9  
12/1  
Blayne X Sec of N 1/2 Division St 40'  
14' curb 13 1/4

Bm P21  
13825

128 4527 4399

168 3670 1025 3502

(Alloy) E 2 Dalbergia St

N 100 26.7

10.6 26.1

10.8 25.9

Cent 11.0 25.7

50' E of Dalbergia

N 9.0 27.7

9.1 27.6

Gutter 9.1 26.8

9.4 27.3

b 9.6 27.1

100' E

N 7.0 29.7

7.4 29.3

Gutter 8.1 28.8

7.8 28.9

b 7.8 28.9

Street Graded & Walk in

No curb except 1st

PLOTTED

3670

39

150' E of Dalbergia St

N 4.7 32.0  
7.5 31.3

Gutter 5.8 30.9  
6.6 30.1

b 6.0 30.7

b 6.6 30.1

200' E of

N 2.5 34.3

+4 4.2 32.5

or curb 4.2 32.5

Gutter 4.6 32.1

b 4.2 32.5

Cent 4.1 32.6

250' E of

N 1.0 35.7

+4 2.5 34.3

Gutter 2.7 34.0

b 3.4 33.3

b 2.7 34.0

Cent 2.3 34.4

TP 922 4320 1.68 34.0

4324

4324

300 E of Dallingin

|      |       |    |      |
|------|-------|----|------|
| W    |       | 57 | 37.0 |
| HI   |       | 73 | 35.9 |
|      |       | 76 | 35.6 |
|      | South | 84 | 34.8 |
|      |       | 78 | 35.4 |
| Cent |       | 77 | 35.1 |

350 E

|      |       |    |      |
|------|-------|----|------|
| W    |       | 58 | 37.4 |
|      |       | 60 | 37.2 |
|      | South | 67 | 36.5 |
|      |       | 62 | 37.0 |
| Cent |       | 66 | 36.6 |

400 E

|      |       |    |      |
|------|-------|----|------|
| W    |       | 48 | 38.4 |
|      |       | 49 | 38.3 |
|      | South | 60 | 37.2 |
|      |       | 50 | 38.2 |
| Cent |       | 48 | 38.4 |

450 E

|      |       |    |      |
|------|-------|----|------|
| W    |       | 40 | 39.2 |
|      |       | 41 | 39.0 |
|      | South | 51 | 38.1 |
|      |       | 41 | 39.1 |
| Cent |       | 38 | 39.4 |

PLOTTED

4324

4324

40

500 E of Dallingin

|      |       |    |      |       |
|------|-------|----|------|-------|
| W    |       | 32 | 39.9 | 43.24 |
|      |       | 35 | 39.7 | 40.48 |
|      | South | 45 | 38.7 | 50.9  |
|      |       | 36 | 39.6 | 48.44 |
| Cent |       | 35 | 39.7 |       |

550 E = W of Anthony Drive (60)

|      |         |       |       |
|------|---------|-------|-------|
| W    |         | 27    | 40.5  |
|      | Anthony | 28    | 40.4  |
|      | South   | 37    | 39.5  |
|      |         | 28    | 40.4  |
| Cent |         | 26    | 40.6  |
|      |         | 48.44 | 40.44 |
|      |         | 48.44 | 40.44 |

W - East of Anthony Drive

|              |  |    |      |
|--------------|--|----|------|
| W or East of |  | 80 | 40.4 |
|              |  | 87 | 39.7 |
|              |  | 80 | 40.4 |
| Cent         |  | 77 | 40.7 |

W 1/2 of Anthony Drive

|      |  |    |      |
|------|--|----|------|
| W    |  | 79 | 40.5 |
|      |  | 81 | 40.3 |
|      |  | 76 | 40.8 |
| Cent |  | 76 | 40.8 |

Cent of Anthony Drive

|   |    |      |
|---|----|------|
| W | 72 | 41.3 |
|   | 77 | 40.7 |
|   | 75 | 40.9 |

|      |    |      |
|------|----|------|
| Cent | 75 | 40.9 |
|------|----|------|

E 1/4 of Anthony

|   |    |      |
|---|----|------|
| W | 73 | 41.1 |
|   | 77 | 40.7 |
|   | 75 | 40.9 |

|      |    |      |
|------|----|------|
| Cent | 72 | 41.3 |
|------|----|------|

E 1/2 of Anthony

|           |    |      |
|-----------|----|------|
| W or bank | 70 | 41.4 |
|           | 80 | 40.4 |
|           | 73 | 41.1 |

|      |    |      |
|------|----|------|
| Cent | 71 | 41.3 |
|------|----|------|

E 2 of Anthony

|         |    |      |
|---------|----|------|
| W       | 68 | 41.4 |
| or bank | 70 | 41.4 |
| Gutter  | 78 | 40.6 |

|      |    |      |
|------|----|------|
| Cent | 70 | 42.4 |
|      | 69 | 41.8 |

PLOTTED

50 E of Anthony

|        |    |      |
|--------|----|------|
| W      | 60 | 43.4 |
|        | 61 | 42.3 |
| Gutter | 71 | 41.3 |
|        | 60 | 42.4 |

|      |    |      |
|------|----|------|
| Cent | 60 | 42.4 |
|------|----|------|

100 E of Anthony

|        |    |      |
|--------|----|------|
| W      | 50 | 43.4 |
|        | 53 | 43.1 |
| Gutter | 62 | 42.0 |
|        | 52 | 43.2 |

|      |    |      |
|------|----|------|
| Cent | 53 | 43.1 |
|------|----|------|

150 E of Anthony

|        |    |      |
|--------|----|------|
| W      | 45 | 43.9 |
|        | 46 | 43.8 |
| Gutter | 55 | 42.9 |
|        | 47 | 43.7 |

|      |    |      |
|------|----|------|
| Cent | 45 | 43.9 |
|------|----|------|

200 E of Anthony

|        |    |      |
|--------|----|------|
| W      | 36 | 44.8 |
|        | 39 | 44.5 |
| Gutter | 48 | 43.6 |

|      |    |      |
|------|----|------|
| Cent | 39 | 44.5 |
|      | 40 | 44.4 |

4844

250 E = 1/2 of 40 ft or (60)

|         |    |      |
|---------|----|------|
| W       | 30 | 45.4 |
| on bank | 32 | 45.7 |
| cut     | 40 | 44.4 |
|         | 32 | 45.7 |
| cut     | 31 | 45.3 |

W 1/4 of 110 ft

|           |    |      |
|-----------|----|------|
| W on bank | 33 | 45.1 |
|           | 39 | 44.5 |
|           | 31 | 45.3 |
| cut       | 31 | 45.3 |

W 1/4 of 40 ft

|     |    |      |
|-----|----|------|
| W   | 34 | 45.0 |
|     | 35 | 44.9 |
|     | 28 | 45.6 |
| cut | 25 | 45.9 |

cut 40 ft

|     |    |      |
|-----|----|------|
| W   | 26 | 45.8 |
|     | 29 | 45.5 |
|     | 26 | 45.8 |
| cut | 23 | 46.1 |

PLOTTED

4844  
4844

42

E 1/4 of 40 ft

|     |    |      |
|-----|----|------|
| W   | 28 | 45.6 |
|     | 30 | 45.4 |
|     | 25 | 45.9 |
| cut | 22 | 46.2 |

E 1/4 of 40

|           |    |      |
|-----------|----|------|
| W on bank | 22 | 46.3 |
|           | 30 | 45.4 |
|           | 24 | 46.0 |
| cut       | 20 | 46.4 |

E 1/4 of 40 ft

|         |    |      |
|---------|----|------|
| W       | 21 | 46.3 |
| on bank | 22 | 46.3 |
| cut     | 29 | 45.5 |
|         | 23 | 46.1 |
| cut     | 19 | 46.5 |

TP 872 5467 229 46.5

4844  
223  
48.15  
872  
54.82



6526  
6576

Cent of 41

n  
65 58.8  
72 58.1  
68 58.5

Cent 66 58.7

E 1/4 of 41

n  
66 58.7  
70 58.3  
63 59.0

Cent 62 59.1

E 1/4 of 41

n on bank  
62 59.1  
67 58.6  
59 59.4

Cent 55 59.8

E 1/4 of 41

n  
57 59.6  
61 59.0  
63 59.0  
54 57.9  
50 60.3

Cent **PLOTTED**

6526  
6576

50 E of 41

n  
73 63.0  
26  
26 62.7  
34 61.9  
28 62.0

Cent 20 63.3

TP 940 74.66  
74.66 0.0 65.26

100 E of 41

n  
82 66.5  
84 66.3

Cent 91 65.6

89 65.8

Cent 79 64.8

150 E of 41

n  
49 69.8

Cent 49 69.8

54 69.3  
52 69.5

Cent 42 70.5

6526  
940  
74.66

74.86  
74.66

Bank 120 E of 41

n 24 72.3

Sutta

22 72.5

29 71.8

27 72.0

Cent 1.8 73.9

230 E of W. Marin View

n 11 73.4

n Bank 0.9 73.8

Sutta 1.9 72.8

14 73.3

Cent 0.4 74.3

TP 313 2691 0.88 73.78

W 1/4 of Marin View

n or h 313 73.78

42 72.7

36 73.3

Cent 2.5 74.4

W 1/4 of Marin View

3.9 73.0

3.9 73.0

3.4 73.5

2.3 74.6

**PLOTTED**

Cent

76.91  
74.91

45

Center of Marin View

39 73.0

39 73.0

53 73.6

2.3 74.3

E 1/4 of Marin View

4.0 72.9

4.0 72.9

24 73.5

24 74.5

E 1/4 of Marin View

41 72.8

39 73.0

34 73.5

Cent 2.5 74.4

E L of Marin View

3.8 73.1

3.8 73.1

3.3 73.6

2.5 74.4

Graded Street stops here

74.66  
58  
75.78  
3.13  
74.91

7691

50'

E of

Marine View

n

64

70.5

51

71.8

35

73.4

cent

29

74.0

100'

E of

Marine View

n

134

63.5

107

66.7

83

68.6

cent

53

71.6

150'

E of

Marine View

cent

88

68.1

n 1/4

114

65.5

TA

155

67.34

1112

65.79

th

52

62.1

n 1/2

96

57.7

200'

E of

n 1/2

PLOTTED

120

55.3

83

59.0

52

62.1

22

45.1

cent

67.34  
67.34

250'

E of

Marine View

cent

84

58.9

4

110

56.8

n 1/4

101

55.95

55.95

1240

54.94

th

25

53.5

n 1/2

56

50.4

2964

E =

W of

42' dist

(60)

n

120

44.0

th

94

46.6

4

67

49.3

cent

42

51.8

W

1/4

42

n

134

49.6

102

45.8

76

48.4

cent

48

51.9

W

1/4

of 42

n

146

41.4

114

44.6

88

47.7

cent

60

50.0

7691  
1112  
65.79  
1.51  
67.34  
1240  
54.94  
1.01  
55.95  
55.91



|      |        |                       |      |     |
|------|--------|-----------------------|------|-----|
|      | Cent f | 42nd st               |      |     |
| Cent |        | 70                    | 490  |     |
| n    |        | 104                   | 456  |     |
| n    |        | 124                   | 436  |     |
| TP   | 281    | <u>46.44</u><br>46.44 | 1234 | 436 |
| n    |        | 62                    | 40.9 |     |
|      | E      | 148                   | 42   |     |
| n    |        | 78                    | 386  |     |
|      |        | 45                    | 41.9 |     |
|      |        | 27                    | 43.7 |     |
| Cent |        | 105                   | 470  |     |
|      | E      | bl f                  | 42nd |     |
| Cent |        | 04                    | 46.0 |     |
|      |        | 26                    | 43.8 |     |
|      |        | 58                    | 40.6 |     |
| n    |        | 90                    | 374  |     |
|      | E      | lim of 42nd st        |      |     |
| n    |        | 104                   | 36.0 |     |
|      |        | 73                    | 39.1 |     |
|      |        | 44                    | 42.0 |     |
| Cent |        | 21                    | 44.3 |     |

PLOTTED

|      |      |                       |         |      |
|------|------|-----------------------|---------|------|
|      | 50   | E of 42nd st          |         |      |
| Cent |      | 64                    | 40.0    |      |
| n    |      | 87                    | 37.7    |      |
| n    |      | 119                   | 34.5    |      |
| TP   | 1035 | <u>44.03</u><br>44.03 | 1276    | 3368 |
| n    |      | 116                   | 32.4    |      |
|      | 100  | E of                  | 42nd st |      |
| n    |      | 129                   | 31.1    |      |
| n    |      | 108                   | 33.3    |      |
| n    |      | 79                    | 36.1    |      |
| Cent |      | 54                    | 38.6    |      |
|      | 150  | E of                  | 42nd st |      |
| Cent |      | 34                    | 40.6    |      |
| n    |      | 62                    | 37.8    |      |
| n    |      | 96                    | 34.4    |      |
| n    |      | 127                   | 31.3    |      |
|      | 200  | E of                  | 42nd st |      |
| n    |      | 85                    | 35.1    |      |
| n    |      | 42                    | 39.8    |      |
| TP   | 1026 | <u>49.22</u><br>49.22 | 370     | 3890 |

55.95  
 42.70  
 62.62  
 2.81  
 42.70  
 12.76  
 55.169  
 10.35  
 44.03  
 5.44  
 38.73  
 10.36  
 49.22

4929

200'

E

52

44.1

4/1  
cent

18

48.0

250'

E of

42nd

10

48.3

cent

42

45.1

72

42.1

n

101

39.2

300'

E of

42nd

126

36.7

n

94

38.9

73

42.0

cent

58

43.5

350'

E of

cent

111

38.2

3754

TP

077

3754

1206

37.2

20

35.5

46

37.9

n

77

39.8

PLOTTED

3754

3754

48

400'

E of

42nd

n

104

27.1

95

28.0

81

29.4

cent

68

30.7

450'

E of

42nd

cent

73

30.2

82

29.3

92

28.3

n

102

27.3

500'

E of

42nd

n

96

27.9

84

29.1

75

30.0

cent

70

30.5

TP

683

35.2

905

28.49

550'

E of

42nd

cent

25

32.8

36

31.7

48

30.5

n

60

29.3

4929  
1206  
3754  
27.27  
27.54  
28.49  
28.82  
28.2



|      |     |          |             |      |
|------|-----|----------|-------------|------|
|      | 600 | E of     | 42m         |      |
| n    |     |          | 48          | 30.5 |
|      |     |          | 38          | 31.5 |
|      |     |          | 30          | 32.3 |
| cent |     |          | 22          | 33.1 |
|      | 660 | E = W of | Highland am |      |
| cent |     |          | 13          | 34.0 |
|      |     |          | 31          | 32.9 |
|      |     |          | 35          | 31.8 |
| n    |     |          | 42          | 31.1 |
|      | W   | bt of    | Highland    |      |
| n    |     |          | 36          | 31.7 |
|      |     |          | 28          | 32.5 |
|      |     |          | 24          | 32.9 |
| cent |     |          | 20          | 33.3 |
|      | W   | 1/2 of   | Highland    |      |
| cent |     |          | 13          | 34.0 |
|      |     |          | 20          | 33.3 |
|      |     |          | 28          | 32.5 |
| cent |     |          | 34          | 31.9 |

PLOTTED

|      |           |             |            |
|------|-----------|-------------|------------|
|      | Center of | Highland am | (Boundary) |
| n    |           | 28          | 32.5       |
|      |           | 23          | 33.0       |
|      |           | 17          | 33.4       |
| cent |           | 11          | 34.2       |

PLOTTED

| 10<br>14<br>73 |      | X 200 ft W 1/2 of Highland Ave (80) |             | 3192 |     |          |                       |
|----------------|------|-------------------------------------|-------------|------|-----|----------|-----------------------|
| 7m             |      | Division St. to Eta St              |             |      |     |          |                       |
| 1486           | n    | 2 f                                 | Division St | 200  | n f | Division |                       |
| W              |      |                                     | 4.2 - 31.1  | W    |     | 55       | 26.4                  |
|                |      |                                     | 37          |      |     | 50       | 26.9                  |
|                |      |                                     | 35          |      |     | 48       | 27.1                  |
| Cent           |      |                                     | 28          | Cent |     | 47       | 27.7                  |
|                | 50'  | n f                                 | Division St | 250  | n f | Division |                       |
| Cent           |      |                                     | 5.2         | Cent |     | 36       | 28.3                  |
|                |      |                                     | 55          |      |     | 29       | 29.0                  |
|                |      |                                     | 57          |      |     | 55       | 26.4                  |
| W              |      |                                     | 6.1         | W    |     | 6.2      | 25.7                  |
| 70             | 165  | 3192                                | 505         | 3027 | 205 | n n      | back Bridge, n Center |
|                | 100  | n f                                 | Division    | W    |     | 9.0      | 22.9                  |
| W              |      |                                     | 4.2         |      |     | 8.7      | 23.3                  |
|                |      |                                     | 4.2         |      |     | 8.7      | 23.3                  |
|                |      |                                     | 37          | Cent |     | 9.0      | 22.9                  |
| Cent           |      |                                     | 4.0         |      |     |          |                       |
|                | 150' | n f                                 | Division    | W    |     | 6.7      | 25.2                  |
| Cent           |      |                                     | 4.4         |      |     | 4.8      | 27.1                  |
|                |      |                                     | 4.4         |      |     | 2.6      | 29.3                  |
|                |      |                                     | 4.7         | Cent |     | 2.7      | 28.2                  |
| XV Cent        |      |                                     | 5.0         |      |     |          |                       |

PLOTTED

35.32  
30.2  
26.9  
36.92

3192

S Bl of Nordica

|      |  |    |      |
|------|--|----|------|
| Cent |  | 45 | 27.4 |
|      |  | 28 | 29.1 |
|      |  | 37 | 28.3 |

|   |  |     |      |
|---|--|-----|------|
| W |  | 3-6 | 26.3 |
|---|--|-----|------|

|    |      |              |     |       |
|----|------|--------------|-----|-------|
| TP | 1237 | 40.91        | 328 | 28.64 |
|    |      | <u>40.91</u> |     |       |

S 1/4 of Nordica

|   |  |     |      |
|---|--|-----|------|
| W |  | 140 | 26.9 |
|---|--|-----|------|

|  |  |     |      |
|--|--|-----|------|
|  |  | 137 | 27.5 |
|--|--|-----|------|

|  |  |     |      |
|--|--|-----|------|
|  |  | 122 | 28.7 |
|--|--|-----|------|

|      |  |     |      |
|------|--|-----|------|
| Cent |  | 144 | 26.5 |
|------|--|-----|------|

Cent of Nordica

|      |  |     |      |
|------|--|-----|------|
| Cent |  | 148 | 26.1 |
|------|--|-----|------|

|  |  |     |      |
|--|--|-----|------|
|  |  | 119 | 29.0 |
|--|--|-----|------|

|  |  |     |      |
|--|--|-----|------|
|  |  | 123 | 28.6 |
|--|--|-----|------|

|   |  |     |      |
|---|--|-----|------|
| W |  | 136 | 27.3 |
|---|--|-----|------|

N 1/4 of Nordica

|   |  |     |      |
|---|--|-----|------|
| W |  | 131 | 27.8 |
|---|--|-----|------|

PLOTTED

|  |  |     |      |
|--|--|-----|------|
|  |  | 120 | 28.9 |
|--|--|-----|------|

|  |  |     |      |
|--|--|-----|------|
|  |  | 117 | 29.2 |
|--|--|-----|------|

|      |  |     |      |
|------|--|-----|------|
| Cent |  | 148 | 26.1 |
|------|--|-----|------|

4191  
40.91

N Bl of Nordica

|      |  |     |      |
|------|--|-----|------|
| Cent |  | 148 | 26.1 |
|------|--|-----|------|

|  |  |     |      |
|--|--|-----|------|
|  |  | 115 | 29.4 |
|--|--|-----|------|

|  |  |     |      |
|--|--|-----|------|
|  |  | 117 | 29.3 |
|--|--|-----|------|

|   |  |     |      |
|---|--|-----|------|
| W |  | 128 | 28.1 |
|---|--|-----|------|

N line Nordica

|   |  |     |      |
|---|--|-----|------|
| W |  | 125 | 28.4 |
|---|--|-----|------|

|  |  |     |      |
|--|--|-----|------|
|  |  | 115 | 29.4 |
|--|--|-----|------|

|  |  |     |      |
|--|--|-----|------|
|  |  | 110 | 29.9 |
|--|--|-----|------|

|      |  |     |      |
|------|--|-----|------|
| Cent |  | 146 | 26.3 |
|------|--|-----|------|

50 N of Nordica

|      |  |     |      |
|------|--|-----|------|
| Cent |  | 124 | 28.5 |
|------|--|-----|------|

|  |  |    |      |
|--|--|----|------|
|  |  | 87 | 32.3 |
|--|--|----|------|

|  |  |    |      |
|--|--|----|------|
|  |  | 87 | 32.3 |
|--|--|----|------|

|   |  |    |      |
|---|--|----|------|
| W |  | 83 | 32.6 |
|---|--|----|------|

100 N of Nordica

|   |  |    |      |
|---|--|----|------|
| W |  | 45 | 36.4 |
|---|--|----|------|

|  |  |    |      |
|--|--|----|------|
|  |  | 50 | 35.9 |
|--|--|----|------|

|  |  |    |      |
|--|--|----|------|
|  |  | 50 | 35.9 |
|--|--|----|------|

|      |  |    |      |
|------|--|----|------|
| Cent |  | 98 | 31.1 |
|------|--|----|------|

52

3192  
26.1  
28.64  
29.3  
40.91

150'

n 6

Kordian

cent

105 304

25 384

20 386

w

20 38.9

209'

n = S. A. Etal

w

70.9 418

+05 414

+05 41.4

cent

5.0 25.9

PLOTTED

PLOTTED





|     |      |     |      |       |
|-----|------|-----|------|-------|
|     | 255' | n f | E 6  |       |
| WL  |      |     | 80   | 0.4   |
| b   |      |     | 10.0 | -1.6  |
|     | 275' | n f | E 6  |       |
| WL  |      |     | 124  | -4.0  |
| b   |      |     | 122  | -3.8  |
| E 2 |      |     | 85   | -0.1  |
|     | 290  | n   |      |       |
| E 2 |      |     | 140  | -5.6  |
|     | 457  | 167 | 1128 | -2.90 |
|     | 300  | n   |      |       |
| WL  |      |     | 68   | -5.1  |
| b   |      |     | 68   | -5.1  |
| E   |      |     | 70   | -5.3  |
|     | 350  | n   |      |       |
| WL  |      |     | 69   | -5.2  |
| b   |      |     | 69   | -5.2  |
| E   |      |     | 75   | -5.8  |
|     | 400  |     |      |       |
| WL  |      |     | 68   | -5.1  |
| b   |      |     | 68   | -5.1  |
| E   |      |     | 75   | -5.8  |

PLOTTED

|     |      |     |     |      |
|-----|------|-----|-----|------|
|     | 450' | n f | E 6 |      |
| WL  |      |     | 72  | -5.5 |
|     | 460  | n   |     |      |
| WL  |      |     | 76  | -5.9 |
| b   |      |     | 76  | -5.9 |
| E   |      |     | 80  | -6.3 |
|     |      |     |     |      |
| WL  |      |     | 93  | -7.6 |
| E   |      |     | 93  | -7.6 |
|     | 495  | n   |     |      |
| WL  |      |     | 85  | -6.8 |
| E   |      |     | 85  | -6.8 |
|     | 500  | n   |     |      |
| WL  |      |     | 64  | -4.7 |
| b   |      |     | 64  | -4.7 |
| E   |      |     | 64  | -4.7 |
|     | 550  | n   |     |      |
| WL  |      |     | 66  | -4.9 |
| b   |      |     | 66  | -4.9 |
| E   |      |     | 66  | -4.9 |
|     | 600  |     |     |      |
| WL  |      |     | 67  | -5.0 |
| b   |      |     | 67  | -5.0 |
| E 2 |      |     | 67  | -5.0 |
| WL  |      |     |     |      |

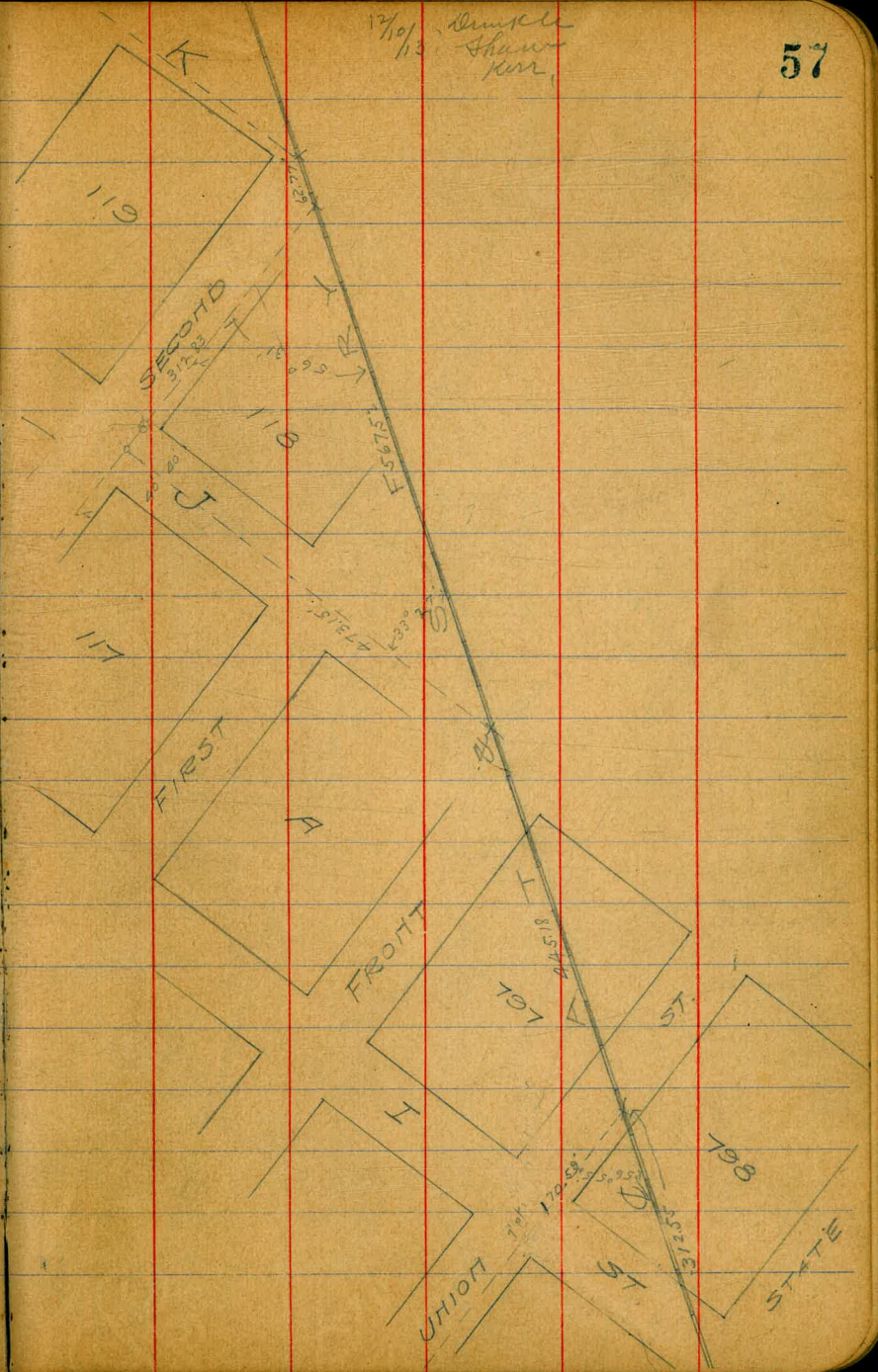
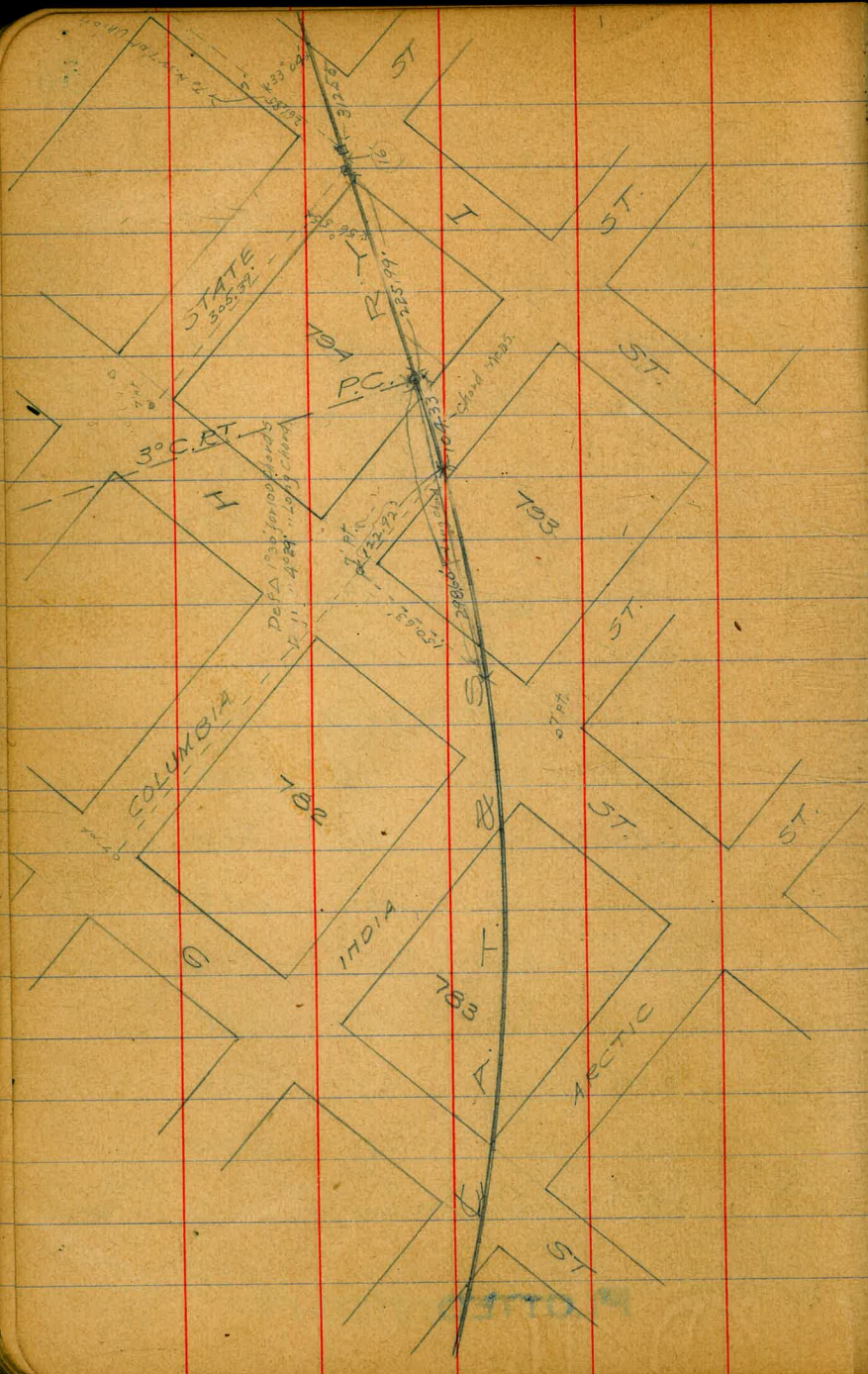
11.25  
838  
-2.90  
4.57  
-7.91  
1.67

|               |               |       |      |      |                         |
|---------------|---------------|-------|------|------|-------------------------|
|               |               | 117   |      |      |                         |
|               | 830           | 717   | 230  | 763  |                         |
|               | 615'          | n of  | Ed   |      |                         |
| W2            |               |       | 124  | -4.7 |                         |
| b             |               |       | 120  | -4.3 |                         |
| Ed            |               |       | 94   | -1.7 |                         |
| TP            | 1232          | 19.89 | 0.10 | 757  |                         |
| (S)           | (635' n of W) |       |      |      | S of Soma Alla 00.2     |
|               | (S) n of E    |       |      |      |                         |
| W2            |               |       | 176  | 2.3  | 666.2                   |
| b             |               |       | 1.0  | 18.9 |                         |
| TP            | 1183          | 30.77 | 0.95 | 1894 |                         |
| Ed = W. B. A. |               |       | 2.4  | 28.4 |                         |
| TP            | 641           | 35.14 | 2.00 | 2877 |                         |
|               |               |       |      |      | 25' n of S of Soma Alla |
| Ed            |               |       | 0.8  | 34.4 |                         |
|               |               |       |      |      | 40' n of S of S         |
| Cent          |               |       | 49   | 31.2 |                         |
|               |               |       |      |      | 50' n of S of S         |
| W2            |               |       | 65   | 28.7 |                         |

PLOTTED

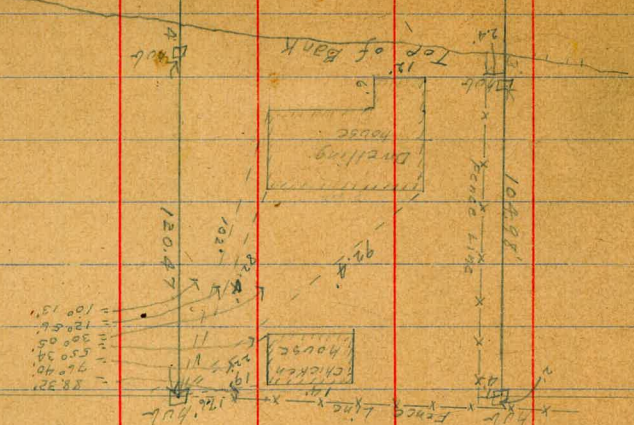
|               |      |        |      |      |                                      |
|---------------|------|--------|------|------|--------------------------------------|
|               |      |        |      |      | sd Mantalvo (50)                     |
|               | 114' | n of n |      |      |                                      |
|               | 100' | n of c |      |      |                                      |
| W2            |      |        | 70   | 28.7 |                                      |
| b             |      |        | 42   | 31.0 |                                      |
| Ed = W. B. A. |      |        | 0.8  | 34.4 |                                      |
|               |      |        |      |      | 91' S of Mantalvo                    |
| Ed            |      |        | 31   | 33.1 |                                      |
| b             |      |        | 55   | 29.7 |                                      |
| W2            |      |        | 84   | 26.8 |                                      |
| TP            | 975  | 35.53  | 8.90 | 2628 |                                      |
|               |      |        |      |      | 100' n of Mantalvo                   |
| W2            |      |        | 116  | 23.9 |                                      |
| b             |      |        | 86   | 26.9 |                                      |
| Ed            |      |        | 53   | 30.2 |                                      |
|               |      |        |      |      | 200' n of Mantalvo                   |
| E             |      |        | 64   | 29.1 |                                      |
| b             |      |        | 88   | 26.7 |                                      |
| W2            |      |        | 133  | 22.2 |                                      |
|               |      |        |      |      | 290' n of E of S of Mantalvo St (50) |
| E             |      |        | 76   | 27.9 |                                      |
| b             |      |        | 120  | 23.5 |                                      |
| W2            |      |        | 170  | 18.5 |                                      |

PLOTTED

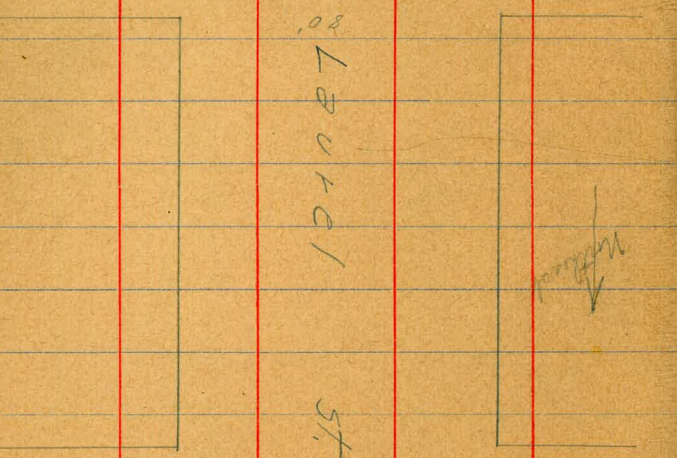








California



57



57

California



57



57

Double  
dwarf  
1/16  
1/4  
1/8  
1/2  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

Levels over Chr Gult Lines Buidy.

W.L. Atlantic to Pier.

20 } Davis  
15 } ...

2+00

+ H1 - K1M  
2.23 13.33 10.50 B.M. Py S.E. Gult

So

6.2

5.4

4.47 9.02 8.78 4.55

Chr

5.7

5.9

0+00 - W.L. Atlantic

No

5.9

5.7

So Gult

4.7

4.3

2+50

Chr

4.7

4.3

No

5.3

6.3

No Gult

4.7

4.3

Chr

4.9

6.7

0+50

So

5.3

6.3

No

4.2

4.8

3+00

Chr

4.3

4.7

So

5.0

6.6

So

4.4

4.6

Chr

4.6

7.0

1+00

No

4.6

7.0

So

4.5

4.5

3+50

Chr

3.9

5.1

No

4.7

6.9

No

4.1

4.9

Chr

4.7

6.9

1+50

So

5.2

6.4

No

3.4

5.6

4+00

Chr

3.6

5.4

So

5.1

6.5

So

4.1

4.9

Chr

4.6

7.0

T.P.

5.84

11.63

3.23

5.79

No

4.8

6.8

4150  
11.63

No 5.0 6.6

Ch 4.9 6.7

So 5.3 6.3

5400

So 6.0 5.6

Ch 5.3 6.3

No 5.5 6.1

5450

No 6.1 5.5

Ch 6.1 5.5

So 6.5 5.1

6100

So 6.7 4.9

Ch 6.6 5.0

No 6.4 5.2

6150

No 6.9 4.7

Ch 6.9 4.7

So 6.8 4.8

6475 - Bullhead

So 7.3 4.3

Ch 7.3 4.3

No 7.3 4.3

BM End No. rail of No Track So Side Pier 7.20 → 4.3



Grades for Gate Box - Broadway at Ave <sup>of Davis</sup> <sub>of Hamerick</sub>

4.92

4.91

Broadway



Bulkhead

4.93

Line

4.93

4.96

M

9.39

4.93 DM End Rail

4.96  
5.93

4.94  
4.95

10/5/21 Gregory Levels 10' S. of N. L. of  
 Moore Prospect Park  
 Miller i.e. 10' S. of L. of  
 Shaw Westbourne Ave  
 from 11.10' E of L of Fav to La Jolla Blvd.  
 12.05 143.42 131.37

|                                   |       |        |       |        |
|-----------------------------------|-------|--------|-------|--------|
|                                   | 12.39 | 154.68 | 1.13  | 142.29 |
| 0+00 = 10' E of L of Fav/produced |       |        | 8.7   | 146.0  |
| +50                               |       |        | 11.1  | 43.6   |
| 1                                 |       |        | 12.6  | 42.1   |
| T.P.                              | 1.61  | 143.90 | 12.39 | 142.29 |
| +50                               |       |        | 2.8   | 41.1   |
| 2                                 |       |        | 5.1   | 38.8   |
| +50                               |       |        | 7.6   | 36.3   |
| 3                                 |       |        | 10.3  | 33.6   |
| +50                               |       |        | 12.6  | 31.3   |
| T.P.                              | 0.16  | 131.53 | 12.33 | 131.37 |
| 4                                 |       |        | 2.9   | 28.6   |
| +50                               |       |        | 5.4   | 26.1   |
| 5                                 |       |        | 7.2   | 24.3   |
| +50                               |       |        | 10.5  | 21.0   |
| 6                                 |       |        | 13.4  | 18.1   |
| T.P.                              | 0.27  | 118.93 | 12.87 | 118.66 |
| +50                               |       |        | 4.0   | 14.9   |
| 7                                 |       |        | 6.4   | 12.5   |

|      |      |        |       |        |
|------|------|--------|-------|--------|
|      | +50  |        | 7.4   | 111.5  |
| 8    |      |        | 9.0   | 109.9  |
|      | +50  |        | 10.9  | 108.0  |
| T.P. | 0.21 | 106.21 | 12.33 | 106.00 |
| 9    |      |        | 0.7   | 105.5  |
|      | +50  |        | 3.7   | 102.5  |
| 10   |      |        | 4.8   | 101.4  |
|      | +50  |        | 6.7   | 99.5   |
| 11   |      |        | 8.3   | 97.9   |
|      | +50  |        | 10.2  | 96.0   |
| 12   |      |        | 11.6  | 94.6   |
|      | T.P. | 0.05   | 93.36 | 12.40  |
|      | +50  |        | 0.4   | 93.0   |
| 13   |      |        | 2.5   | 90.9   |
|      | +50  |        | 3.9   | 89.5   |
| 14   |      |        | 5.6   | 87.8   |
|      | T.P. | 0.49   | 88.51 | 5.34   |
|      | +50  |        | 2.2   | 86.3   |
|      | +56  |        | 2.5   | 86.0   |
|      | +70  |        | 5.0   | 83.5   |
|      | +77  |        | 4.4   | 84.1   |

|                         |      |      |
|-------------------------|------|------|
| + 85                    | 5.0  | 83.5 |
| + 90                    | 4.3  | 84.2 |
| 15                      | 3.9  | 84.6 |
| + 50                    | 5.1  | 83.4 |
| 16                      | 6.8  | 81.7 |
| + 50                    | 8.2  | 80.3 |
| + 55                    | 8.7  | 79.8 |
| + 59                    | 10.7 | 77.8 |
| + 61.5 = Edge of paving | 10.5 | 78.0 |

7.38

81.13

BM OK  
E. side Blvd  
at 2<sup>nd</sup> West Ave.  
81.22 OK.

10/6/51 Gregory Levels 10' E of Q of  
Miller Fay Ave  
Shaw from 200' S of Rushville to  
10' S of N.L. of Prospect Park

66

12.39

154.68

142.29

T.P. on  
page 64.

200' S of Rushville Ave.

1.20

405 ✓

1.4

445

6.0

455

8.0

3 ✓

6.5

+30

3.0

+70

0.6

4

1.6

+25

7.7

+65

8.2

+75

8.7

5

6.8

+10

6.3

+50

9.8

+83 ± = 10' S of N.L. Prospect Park

8.7

5/15/23

Gregory  
Moore  
Miller  
GWCROSS SECTION OF  
ALLEY BLK 52 20' wide  
La Jolla Park  
bet. Prospect & Care E. of Ivanhoe

114.46

67

0+65

BP SW

Prospect + Ivanhoe

on B.M. 9.2v 114.46 105.04 N 109.72 4.8 109.7

E. Curb Ivanhoe St C 109.08 4.7 109.8

H 7.84 106.62 on cement slab S 109.43 4.8 109.7

S 7.61 106.85 v v - 1+09.0

5.67' E = E. Edge of Sidewalk -3 = garage dirt floor 4.60 109.9

S 7.59 106.87 on cement walk S 109.65 4.6 109.9

N 7.70 106.76 C 109.30 4.6 109.9

20' E = F.L. of Ivanhoe = 0+00 N 109.44 4.9 109.6

N 106.91 6.8 107.7 +4.5 = garage dirt floor 5.1 109.4

C 106.76 6.9 107.6 1+30.5

47 7.0 107.5 S = Walk to house 4.61 109.85

S 107.11 5.8 108.7 1+48

0+20 -4.5 = garage dirt floor 4.8 109.7

S 108.24 5.1 109.4 N 109.62 4.9 109.6

C 107.89 5.0 109.5 C 109.49 4.7 109.8

N 108.04 5.0 109.5 S 109.86 4.6 109.9

0+28 +0.1 = Walk to house 4.36 110.10

S = End of cement walk to house 4.94 109.52 2+00

N 108.60  
S 109.06 0+30 Break Grade S 110.13 4.6 109.9  
S 109.52N 109.20  
C 109.05 0+60 Break Grade ✓  
S 109.40 ✓

|    |                   |        |     |       |
|----|-------------------|--------|-----|-------|
|    |                   | 114.46 |     |       |
| C  | 109.75            |        | 4.7 | 109.8 |
| N  | 109.87            |        | 4.8 | 109.7 |
|    |                   | 2+50   |     |       |
| N  | 110.11            |        | 4.5 | 110.0 |
| C  | 110.00            |        | 4.4 | 110.1 |
| S  | 110.39            |        | 4.2 | 110.3 |
|    |                   | 3+00   |     |       |
| S  | 110.65            |        | 3.9 | 110.6 |
| C  | 110.25            |        | 3.8 | 110.7 |
| N  | 110.35            |        | 3.8 | 110.7 |
|    |                   | 3+50   |     |       |
| N  | 110.59            |        | 3.6 | 110.9 |
| C  | 110.50            |        | 3.6 | 110.9 |
| S  | 110.91            |        | 3.3 | 111.2 |
|    |                   | 3+67   |     |       |
| N  | garage dirt floor |        | 3.3 | 111.2 |
|    |                   | 4+00   |     |       |
| S  | 111.19            |        | 4.5 | 112.0 |
| 43 |                   |        | 3.0 | 111.5 |
| C  | 110.75            |        | 3.1 | 111.4 |
| N  | 110.83            |        | 2.8 | 111.7 |
|    |                   |        |     | ✓     |

|                                         |        |        |      |        |
|-----------------------------------------|--------|--------|------|--------|
|                                         |        | 114.46 |      |        |
|                                         |        | 4+50   |      |        |
| N                                       | 111.07 |        | 2.3  | 112.2  |
| C                                       | 111.00 |        | 2.4  | 112.1  |
| S                                       | 111.43 |        | 2.1  | 112.4  |
|                                         |        | 4+75   |      |        |
| S                                       | 111.56 |        | 1.9  | 112.6  |
| C                                       | 111.13 |        | 2.3  | 112.2  |
| N                                       | 111.19 |        | 1.9  | 112.6  |
| W. Prospect = 4+90± on Center Line N.B. |        |        |      |        |
| <sup>4+80±</sup> N                      | 111.24 |        | 3.43 | 111.43 |
| <sup>4+80±</sup> N                      | 111.24 |        | 2.7  | 111.8  |
| <sup>4+80±</sup> C                      | 111.20 |        | 3.25 | 111.21 |
| <sup>4+90±</sup> S                      | 111.66 |        | 2.84 | 111.62 |
| <sup>4+90±</sup> S                      | 111.66 |        | 2.4  | 112.06 |
|                                         |        |        |      | ✓      |

Plotted  
May 22 1978  
N.B.

69

70





Grape St. X Sacs. Fern to 31  
75' wide, 12' walk.

SDX 30 + Grape. B.M.

276.61

218 278.79

See sketch P 80

EL Fern St NL Grape.

NL 4.6 274.2

C 4.9 273.9

± 5.3 273.5

C 5.7 273.1

SL 5.6 273.2

49'E = WL Fern on SL Grape

SL 8.1 270.7

C 8.2 270.6

± 7.9 270.9

C 7.4 271.4

NL 7.2 271.6

99'E = EL Fern on SL Grape

NL 8.2 270.6

C 8.4 270.4

± 9.0 269.8

C 9.3 269.5

SL 9.1 269.7

Aug 5 - 1913

West  
Moore  
Devine

278.79  
50' E. of EL Fern on St.

72

SL 12.9 265.9

C 13.0 265.8

± 12.6 266.2

C 12.1 266.7

NL 11.9 266.9

T.P. Gr. Hub. 11.86 266.93

0.90 267.83

100' E. of EL Fern on S.

NL 4.7 263.1

C 5.0 262.8

± 5.5 262.3

C 6.0 261.8

SL 5.8 262.0

150' E. of EL Fern on S.

SL 9.6 258.2

C 9.1 258.0

± 9.4 258.4

C 8.9 258.9

NL 8.6 259.2

26783  
160'E of EL Fern on SL

|    |      |       |
|----|------|-------|
| NL | 9.1  | 258.7 |
| O  | 9.4  | 258.4 |
| E  | 9.7  | 258.1 |
| C  | 10.2 | 257.6 |
| SL | 10.1 | 257.7 |

180'E

|    |      |       |
|----|------|-------|
| SL | 10.7 | 257.1 |
| O  | 11.0 | 256.8 |
| E  | 10.2 | 257.6 |
| C  | 10.3 | 257.5 |
| NL | 10.1 | 257.7 |

200'E

|    |      |       |
|----|------|-------|
| NL | 10.5 | 257.3 |
| C  | 10.6 | 257.2 |
| E  | 10.7 | 257.1 |
| C  | 11.1 | 256.7 |
| SL | 11.1 | 256.7 |

220'E

|    |      |       |
|----|------|-------|
| SL | 11.6 | 256.2 |
| C  | 11.4 | 256.4 |
| E  | 10.9 | 256.9 |
| C  | 11.0 | 256.8 |
| NL | 10.9 | 256.9 |

26783  
240'E

73

|    |      |       |
|----|------|-------|
| NL | 11.0 | 256.7 |
| C  | 11.1 | 256.7 |
| E  | 11.0 | 256.8 |
| C  | 11.7 | 256.1 |
| SL | 11.9 | 255.9 |

260'E

|    |      |       |
|----|------|-------|
| SL | 12.0 | 254.8 |
| F2 | 11.6 | 256.2 |
| C  | 11.7 | 256.1 |
| E  | 11.3 | 256.5 |
| C  | 11.3 | 256.5 |
| NL | 11.1 | 256.7 |

280'E

|    |      |       |
|----|------|-------|
| NL | 11.6 | 256.2 |
| F2 | 10.6 | 257.2 |
| C  | 11.1 | 256.7 |
| E  | 11.2 | 256.6 |
| C  | 12.0 | 255.8 |
| F9 | 11.7 | 256.1 |
| SL | 13.2 | 254.6 |

26783

300'E

|     |      |       |
|-----|------|-------|
| SL  | 12.8 | 255.0 |
| +3  | 11.4 | 256.4 |
| C   | 11.4 | 256.4 |
| ±   | 10.9 | 256.9 |
| C   | 10.7 | 257.1 |
| +10 | 10.3 | 257.5 |
| NL  | 11.3 | 256.5 |

320'E

|     |      |       |
|-----|------|-------|
| NL  | 9.9  | 257.9 |
| +   | 9.8  | 258.0 |
| C   | 10.2 | 257.6 |
| ±   | 10.3 | 257.5 |
| C   | 10.9 | 256.9 |
| +10 | 11.1 | 256.7 |
| SL  | 12.2 | 255.6 |

340'E

|    |      |       |
|----|------|-------|
| SL | 11.5 | 256.3 |
| +3 | 10.8 | 257.0 |
| C  | 11.0 | 256.8 |
| ±  | 9.8  | 258.0 |
| C  | 10.0 | 257.8 |
| NL | 9.2  | 258.6 |

26785

360'E

|    |      |       |
|----|------|-------|
| NL | 8.9  | 258.9 |
| C  | 9.4  | 258.4 |
| ±  | 8.8  | 259.0 |
| C  | 9.8  | 258.0 |
| SL | 10.0 | 257.8 |

380'E

|    |     |       |
|----|-----|-------|
| SL | 8.8 | 259.0 |
| C  | 9.0 | 258.8 |
| ±  | 8.2 | 259.6 |
| C  | 8.2 | 259.6 |
| NL | 8.1 | 259.7 |

400'E

|    |     |       |   |
|----|-----|-------|---|
| NL | 7.0 | 260.8 |   |
| C  | 6.9 | 260.9 | - |
| ±  | 6.8 | 261.0 |   |
| C  | 7.6 | 260.2 | - |
| SL | 7.6 | 260.2 |   |

74

267.83

425' E.

75

|      |      |        |
|------|------|--------|
| SL   | 5.4  | 262.4  |
| C    | 5.5  | 262.3  |
| ±    | 5.3  | 262.5  |
| C    | 4.8  | 263.0  |
| NL   | 4.7  | 263.1  |
| T.P. | 4.70 | 263.13 |

10.07 273.20

475.5 E - WL 31 Station SL.

|                                 |      |        |
|---------------------------------|------|--------|
| NL                              | 5.4  | 267.8  |
| C                               | 5.7  | 267.5  |
| ±                               | 6.2  | 267.0  |
| C                               | 6.1  | 267.1  |
| SL                              | 5.9  | 267.3  |
| S. PL Hub.                      | 5.85 | 267.35 |
| B.M. Spk pole<br>S.W. 31 Grappa | 3.12 | 270.88 |

$$\frac{27008}{270.05}$$
 Ep. 03

475.5 E - dist and 490' E - WL 31.07 NL

|    |     |       |
|----|-----|-------|
| SL | 5.9 | 267.3 |
| C  | 6.2 | 267.0 |
| ±  | 5.8 | 267.4 |
| C  | 5.4 | 267.6 |
| NL | 5.0 | 268.2 |

5/12/20

609001

CROSS SECTION 80' ST 14' CBS  
 BANDINI ST  
 from EL La Jolla Ave to WL Jefferson

10' E 178

76

12.20 97.86 B.M. 85.66 split SE Bandini

12.82 on curb.

EL La Jolla Ave.

|      |      |        |
|------|------|--------|
| S    | 11.7 | 86.2   |
| cb   | 11.6 | 86.4 ✓ |
| 1/2  | 10.0 | 87.8 ✓ |
| C    | 10.0 | 87.9 ✓ |
| 1/4  | 10.6 | 87.2 ✓ |
| cb   | 8.3  | 89.5 ✓ |
| N    | 10.0 | 87.9   |
| 5' E |      |        |
| N    | 2.1  | 95.8   |
| +9   | 3.8  | 96.0 ✓ |
| cb   | 5.5  | 94.3 ✓ |
| 1/2  | 7.3  | 90.5 ✓ |
| C    | 7.4  | 90.5   |
| 1/4  | 9.1  | 88.7 ✓ |
| cb   | 7.4  | 90.4 ✓ |
| S    | 10.4 | 87.5   |

|      |       |         |
|------|-------|---------|
| -5   | 10.7  | 87.1 ✓  |
| S    | 9.6   | 88.3    |
| cb   | 6.5   | 91.3 ✓  |
| 1/2  | 5.0   | 91.8 ✓  |
| C    | 4.2   | 93.7    |
| 1/4  | 2.4   | 95.1 ✓  |
| cb   | 1.0   | 96.8 ✓  |
| N    | 0.2   | 97.7 ✓  |
| T.P. | 12.15 | 109.31  |
|      | 40' E | 109.3   |
| N    | 5.9   | 103.4 ✓ |
| cb   | 7.2   | 101.1 ✓ |
| 1/2  | 8.2   | 101.1 ✓ |
| C    | 9.8   | 99.5 ✓  |
| 1/4  | 11.2  | 98.1 ✓  |
| cb   | 12.5  | 96.8 ✓  |
| S    | 17.1  | 92.2 ✓  |
| +3   | 18.6  | 90.7 ✓  |
| +10  | 18.3  | 91.0 ✓  |

|      |       |        | 109.3 |         |     | 110.6 | BANDINI | 77 |
|------|-------|--------|-------|---------|-----|-------|---------|----|
|      | 60    | E      |       |         | +3  | 22.5  | 98.1 ✓  |    |
| -10  |       |        | 153   | 94.0 ✓  | +10 | 23.8  | 96.8 ✓  |    |
| -5   |       |        | 15.6  | 93.7 ✓  | 5   | 23.6  | 97.0 ✓  |    |
| 5    |       |        | 143   | 95.0 ✓  | +10 | 19.3  | 100.8 ✓ |    |
| cb   |       |        | 10.2  | 99.1 ✓  |     | 100   | E       |    |
| 1/4  |       |        | 6.7   | 104.6 ✓ | -10 | 15.1  | 105.5 ✓ |    |
| c    |       |        | 5.1   | 104.2 ✓ | 5   | 18.1  | 102.5 ✓ |    |
| 1/4  |       |        | 3.8   | 105.8 ✓ | +4  | 20.0  | 100.6 ✓ |    |
| cb   |       |        | 3.1   | 106.4 ✓ | cb  | 19.6  | 101.0 ✓ |    |
| N    |       |        | 1.6   | 107.7 ✓ | 1/4 | 12.0  | 108.6 ✓ |    |
| T.P. | 11.83 | 120.64 | 0.50  | 108.81  | +5  | 10.6  | 110.0 ✓ |    |
|      |       | 80     | E     | 110.6   | c   | 9.7   | 110.9 ✓ |    |
| N    |       |        | 9.7   | 110.9 ✓ | 1/4 | 9.6   | 113.0 ✓ |    |
| cb   |       |        | 10.1  | 110.5 ✓ | cb  | 6.0   | 112.6 ✓ |    |
| 1/4  |       |        | 11.3  | 109.3 ✓ | N   | 5.6   | 115.0 ✓ |    |
| c    |       |        | 13.0  | 107.6 ✓ |     | 125   | E       |    |
| +10  |       |        | 13.7  | 106.9 ✓ | N   | 1.6   | 119.0 ✓ |    |
| 1/4  |       |        | 14.3  | 106.3 ✓ | cb  | 2.0   | 118.6 ✓ |    |
| +8   |       |        | 16.4  | 102.7 ✓ | 1/4 | 3.1   | 117.5 ✓ |    |
| cb   |       |        | 19.4  | 101.4 ✓ | +9  | 4.1   | 116.5 ✓ |    |

|     |       |        |       |          |
|-----|-------|--------|-------|----------|
|     |       |        | 120.6 | ✓        |
| C   |       |        | 5.3   | 115.3 ✓  |
| 1/4 |       |        | 11.2  | 109.4 ✓  |
| +6  |       |        | 14.0  | 106.6 ✓  |
| cb  |       |        | 14.9  | 105.7 ✓  |
| +5  |       |        | 14.9  | 105.7 ✓  |
| S   |       |        | 11.1  | 109.5 ✓  |
| +5  |       |        | 9.0   | 111.6 ✓  |
|     |       | 150 E  |       |          |
| S   |       |        | 1.7   | 118.9 ✓  |
| +7  |       |        | 6.2   | 114.1 ✓  |
| +11 |       |        | 6.9   | 113.7 ✓  |
| cb  |       |        | 9.4   | 111.2 ✓  |
| +6  |       |        | 11.0  | 109.6 ✓  |
| 1/4 |       |        | 10.4  | 110.2 ✓  |
| C   |       |        | 1.6   | 119.0 ✓  |
| T.P | 12.80 | 133.23 | 0.21  | 120.43 ✓ |
| 1/4 |       |        | 11.4  | 121.8 ✓  |
| cb  |       |        | 10.3  | 124.4 ✓  |
| N   |       |        | 8.8   | 124.4 ✓  |

BANDINI -

175 E 133.2 ✓

78

|     |  |            |      |         |
|-----|--|------------|------|---------|
|     |  |            | 3.2  | 130.0 ✓ |
| N   |  |            | 5.2  | 128.0 ✓ |
| cb  |  |            | 7.1  | 126.1 ✓ |
| 1/4 |  |            | 11.7 | 121.5 ✓ |
| C   |  |            | 15.7 | 117.5 ✓ |
| +10 |  |            | 18.0 | 115.2 ✓ |
| 1/4 |  |            | 16.7 | 116.5 ✓ |
| +9  |  |            | 13.2 | 120.0 ✓ |
| cb  |  |            | 12.5 | 120.7 ✓ |
| +5  |  |            | 10.8 | 122.4 ✓ |
| +7  |  |            | 9.1  | 124.1 ✓ |
| S   |  |            | 8.1  | 125.1 ✓ |
| +5  |  |            |      |         |
|     |  | star? m.g. |      |         |
| -5  |  |            | 2.6  | 130.6 ✓ |
| S   |  |            | 3.7  | 129.5 ✓ |
| +10 |  |            | 6.7  | 126.5 ✓ |
| cb  |  |            | 9.6  | 123.6 ✓ |
| +5  |  |            | 11.5 | 121.7 ✓ |
| +11 |  |            | 10.6 | 122.6 ✓ |



|      |      |              |       |   |
|------|------|--------------|-------|---|
|      |      | <u>133.2</u> |       |   |
| 1/4  |      | 8.2          | 1250  | ✓ |
| c    |      | 4.6          | 128.6 | ✓ |
| 1/4  |      | 2.1          | 131.1 | ✓ |
| cb   |      | + 0.1        | 133.3 | ✓ |
| N.   |      | + 1.6        | 134.8 | ✓ |
| T.P. | 0.19 | 12.80        | 140.6 | ✓ |
| T.P. | 1.09 | 12.75        | 140.5 | ✓ |
| T.P. | 0.67 | 12.00        | 141.4 | ✓ |
|      |      | 11.99        |       |   |

BANDINI

79

|      |       |
|------|-------|
| 1123 | 1123  |
| 1163 | 2554  |
| 1182 | 2399  |
| 1228 | 63.77 |
| 67   | 12.22 |
| 5093 | 50.92 |

NE Cor 303 Grape. RR pole grd. 276.61

80

31

2675' 60'

2680'

75'

2670' 60'

2670'

St.

N  
↑

5975'

4755'

2685'

5775'

5775' 60'

75'

2780' 77'

2785' 60'

St.

Fern

3468 74 Post  
 2406 74 Post  
 2616 Reg Term Co  
 S.E. Arlio 1050 P3

1000 = 50"  
 400 = 20"  
 300 = 30"

1000' alkhd 4.30  
 NEL 4.9

67422 Post

57  
 1157

27  
 28.7  
 29.3  
 30.1

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

|    | 0    | .1   | .2   | .3   | .4   | .5   | .6   | .7   | .8   | .9   |    |
|----|------|------|------|------|------|------|------|------|------|------|----|
| 0  | 7.0  | 7.2  | 7.3  | 7.5  | 7.6  | 7.8  | 7.9  | 8.1  | 8.2  | 8.4  | 0  |
| 1  | 8.5  | 8.7  | 8.8  | 9.0  | 9.1  | 9.3  | 9.4  | 9.6  | 9.7  | 9.9  | 1  |
| 2  | 10.0 | 10.2 | 10.3 | 10.5 | 10.6 | 10.8 | 10.9 | 11.1 | 11.2 | 11.4 | 2  |
| 3  | 11.5 | 11.7 | 11.8 | 12.0 | 12.1 | 12.3 | 12.4 | 12.6 | 12.7 | 12.9 | 3  |
| 4  | 13.0 | 13.2 | 13.3 | 13.5 | 13.6 | 13.8 | 13.9 | 14.1 | 14.2 | 14.4 | 4  |
| 5  | 14.5 | 14.7 | 14.8 | 15.0 | 15.1 | 15.3 | 15.4 | 15.6 | 15.7 | 15.9 | 5  |
| 6  | 16.0 | 16.2 | 16.3 | 16.5 | 16.6 | 16.8 | 16.9 | 17.1 | 17.2 | 17.4 | 6  |
| 7  | 17.5 | 17.7 | 17.8 | 18.0 | 18.1 | 18.3 | 18.4 | 18.6 | 18.7 | 18.9 | 7  |
| 8  | 19.0 | 19.2 | 19.3 | 19.5 | 19.6 | 19.8 | 19.9 | 20.1 | 20.2 | 20.4 | 8  |
| 9  | 20.5 | 20.7 | 20.8 | 21.0 | 21.1 | 21.3 | 21.4 | 21.6 | 21.7 | 21.9 | 9  |
| 10 | 22.0 | 22.2 | 22.3 | 22.5 | 22.6 | 22.8 | 22.9 | 23.1 | 23.2 | 23.4 | 10 |
| 11 | 23.5 | 23.7 | 23.8 | 24.0 | 24.1 | 24.3 | 24.4 | 24.6 | 24.7 | 24.9 | 11 |
| 12 | 25.0 | 25.2 | 25.3 | 25.5 | 25.6 | 25.8 | 25.9 | 26.1 | 26.2 | 26.4 | 12 |
| 13 | 26.5 | 26.7 | 26.8 | 27.0 | 27.1 | 27.3 | 27.4 | 27.6 | 27.7 | 27.9 | 13 |
| 14 | 28.0 | 28.2 | 28.3 | 28.5 | 28.6 | 28.8 | 28.9 | 29.1 | 29.2 | 29.4 | 14 |
| 15 | 29.5 | 29.7 | 29.8 | 30.0 | 30.1 | 30.3 | 30.4 | 30.6 | 30.7 | 30.9 | 15 |
| 16 | 31.0 | 31.2 | 31.3 | 31.5 | 31.6 | 31.8 | 31.9 | 32.1 | 32.2 | 32.4 | 16 |
| 17 | 32.5 | 32.7 | 32.8 | 33.0 | 33.1 | 33.3 | 33.4 | 33.6 | 33.7 | 33.9 | 17 |
| 18 | 34.0 | 34.2 | 34.3 | 34.5 | 34.6 | 34.8 | 34.9 | 35.1 | 35.2 | 35.4 | 18 |
| 19 | 35.5 | 35.7 | 35.8 | 36.0 | 36.1 | 36.3 | 36.4 | 36.6 | 36.7 | 36.9 | 19 |
| 20 | 37.0 | 37.2 | 37.3 | 37.5 | 37.6 | 37.8 | 37.9 | 38.1 | 38.2 | 38.4 | 20 |
| 21 | 38.5 | 38.7 | 38.8 | 39.0 | 39.1 | 39.3 | 39.4 | 39.6 | 39.7 | 39.9 | 21 |
| 22 | 40.0 | 40.2 | 40.3 | 40.5 | 40.6 | 40.8 | 40.9 | 41.1 | 41.2 | 41.4 | 22 |
| 23 | 41.5 | 41.7 | 41.8 | 42.0 | 42.1 | 42.3 | 42.4 | 42.6 | 42.7 | 42.9 | 23 |
| 24 | 43.0 | 43.2 | 43.3 | 43.5 | 43.6 | 43.8 | 43.9 | 44.1 | 44.2 | 44.4 | 24 |
| 25 | 44.5 | 44.7 | 44.8 | 45.0 | 45.1 | 45.3 | 45.4 | 45.6 | 45.7 | 45.9 | 25 |
| 26 | 46.0 | 46.2 | 46.3 | 46.5 | 46.6 | 46.8 | 46.9 | 47.1 | 47.2 | 47.4 | 26 |
| 27 | 47.5 | 47.7 | 47.8 | 48.0 | 48.1 | 48.3 | 48.4 | 48.6 | 48.7 | 48.9 | 27 |
| 28 | 49.0 | 49.2 | 49.3 | 49.5 | 49.6 | 49.8 | 49.9 | 50.1 | 50.2 | 50.4 | 28 |
| 29 | 50.5 | 50.7 | 50.8 | 51.0 | 51.1 | 51.3 | 51.4 | 51.6 | 51.7 | 51.9 | 29 |
| 30 | 52.0 | 52.2 | 52.3 | 52.5 | 52.6 | 52.8 | 52.9 | 53.1 | 53.2 | 53.4 | 30 |
| 31 | 53.5 | 53.7 | 53.8 | 54.0 | 54.1 | 54.3 | 54.4 | 54.6 | 54.7 | 54.9 | 31 |
| 32 | 55.0 | 55.2 | 55.3 | 55.5 | 55.6 | 55.8 | 55.9 | 56.1 | 56.2 | 56.4 | 32 |
| 33 | 56.5 | 56.7 | 56.8 | 57.0 | 57.1 | 57.3 | 57.4 | 57.6 | 57.7 | 57.9 | 33 |
| 34 | 58.0 | 58.2 | 58.3 | 58.5 | 58.6 | 58.8 | 58.9 | 59.1 | 59.2 | 59.4 | 34 |
| 35 | 59.5 | 59.7 | 59.8 | 60.0 | 60.1 | 60.3 | 60.4 | 60.6 | 60.7 | 60.9 | 35 |
| 36 | 61.0 | 61.2 | 61.3 | 61.5 | 61.6 | 61.8 | 61.9 | 62.1 | 62.2 | 62.4 | 36 |

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

MADE IN GERMANY.