

1134

DIETZGEN
 TRADE MARK

ENGINEERS'
FIELD BOOK
No. 404

3040

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

| H | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | H |
|----|------|------|------|------|------|------|------|------|------|------|----|
| 0 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 0 |
| 1 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 1 |
| 2 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 2 |
| 3 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 3 |
| 4 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 4 |
| 5 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 5 |
| 6 | 14.0 | 14.1 | 14.2 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.9 | 6 |
| 7 | 15.0 | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 7 |
| 8 | 16.0 | 16.1 | 16.2 | 16.3 | 16.4 | 16.5 | 16.6 | 16.7 | 16.8 | 16.9 | 8 |
| 9 | 17.0 | 17.1 | 17.2 | 17.3 | 17.4 | 17.5 | 17.6 | 17.7 | 17.8 | 17.9 | 9 |
| 10 | 18.0 | 18.1 | 18.2 | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 | 18.8 | 18.9 | 10 |
| 11 | 19.0 | 19.1 | 19.2 | 19.3 | 19.4 | 19.5 | 19.6 | 19.7 | 19.8 | 19.9 | 11 |
| 12 | 20.0 | 20.1 | 20.2 | 20.3 | 20.4 | 20.5 | 20.6 | 20.7 | 20.8 | 20.9 | 12 |
| 13 | 21.0 | 21.1 | 21.2 | 21.3 | 21.4 | 21.5 | 21.6 | 21.7 | 21.8 | 21.9 | 13 |
| 14 | 22.0 | 22.1 | 22.2 | 22.3 | 22.4 | 22.5 | 22.6 | 22.7 | 22.8 | 22.9 | 14 |
| 15 | 23.0 | 23.1 | 23.2 | 23.3 | 23.4 | 23.5 | 23.6 | 23.7 | 23.8 | 23.9 | 15 |
| 16 | 24.0 | 24.1 | 24.2 | 24.3 | 24.4 | 24.5 | 24.6 | 24.7 | 24.8 | 24.9 | 16 |
| 17 | 25.0 | 25.1 | 25.2 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.9 | 17 |
| 18 | 26.0 | 26.1 | 26.2 | 26.3 | 26.4 | 26.5 | 26.6 | 26.7 | 26.8 | 26.9 | 18 |
| 19 | 27.0 | 27.1 | 27.2 | 27.3 | 27.4 | 27.5 | 27.6 | 27.7 | 27.8 | 27.9 | 19 |
| 20 | 28.0 | 28.1 | 28.2 | 28.3 | 28.4 | 28.5 | 28.6 | 28.7 | 28.8 | 28.9 | 20 |
| 21 | 29.0 | 29.1 | 29.2 | 29.3 | 29.4 | 29.5 | 29.6 | 29.7 | 29.8 | 29.9 | 21 |
| 22 | 30.0 | 30.1 | 30.2 | 30.3 | 30.4 | 30.5 | 30.6 | 30.7 | 30.8 | 30.9 | 22 |
| 23 | 31.0 | 31.1 | 31.2 | 31.3 | 31.4 | 31.5 | 31.6 | 31.7 | 31.8 | 31.9 | 23 |
| 24 | 32.0 | 32.1 | 32.2 | 32.3 | 32.4 | 32.5 | 32.6 | 32.7 | 32.8 | 32.9 | 24 |
| 25 | 33.0 | 33.1 | 33.2 | 33.3 | 33.4 | 33.5 | 33.6 | 33.7 | 33.8 | 33.9 | 25 |
| 26 | 34.0 | 34.1 | 34.2 | 34.3 | 34.4 | 34.5 | 34.6 | 34.7 | 34.8 | 34.9 | 26 |
| 27 | 35.0 | 35.1 | 35.2 | 35.3 | 35.4 | 35.5 | 35.6 | 35.7 | 35.8 | 35.9 | 27 |
| 28 | 36.0 | 36.1 | 36.2 | 36.3 | 36.4 | 36.5 | 36.6 | 36.7 | 36.8 | 36.9 | 28 |
| 29 | 37.0 | 37.1 | 37.2 | 37.3 | 37.4 | 37.5 | 37.6 | 37.7 | 37.8 | 37.9 | 29 |
| 30 | 38.0 | 38.1 | 38.2 | 38.3 | 38.4 | 38.5 | 38.6 | 38.7 | 38.8 | 38.9 | 30 |
| 31 | 39.0 | 39.1 | 39.2 | 39.3 | 39.4 | 39.5 | 39.6 | 39.7 | 39.8 | 39.9 | 31 |
| 32 | 40.0 | 40.1 | 40.2 | 40.3 | 40.4 | 40.5 | 40.6 | 40.7 | 40.8 | 40.9 | 32 |
| 33 | 41.0 | 41.1 | 41.2 | 41.3 | 41.4 | 41.5 | 41.6 | 41.7 | 41.8 | 41.9 | 33 |
| 34 | 42.0 | 42.1 | 42.2 | 42.3 | 42.4 | 42.5 | 42.6 | 42.7 | 42.8 | 42.9 | 34 |
| 35 | 43.0 | 43.1 | 43.2 | 43.3 | 43.4 | 43.5 | 43.6 | 43.7 | 43.8 | 43.9 | 35 |
| 36 | 44.0 | 44.1 | 44.2 | 44.3 | 44.4 | 44.5 | 44.6 | 44.7 | 44.8 | 44.9 | 36 |
| 37 | 45.0 | 45.1 | 45.2 | 45.3 | 45.4 | 45.5 | 45.6 | 45.7 | 45.8 | 45.9 | 37 |
| 38 | 46.0 | 46.1 | 46.2 | 46.3 | 46.4 | 46.5 | 46.6 | 46.7 | 46.8 | 46.9 | 38 |
| 39 | 47.0 | 47.1 | 47.2 | 47.3 | 47.4 | 47.5 | 47.6 | 47.7 | 47.8 | 47.9 | 39 |
| 40 | 48.0 | 48.1 | 48.2 | 48.3 | 48.4 | 48.5 | 48.6 | 48.7 | 48.8 | 48.9 | 40 |

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be $30.6 + (20 - 16) \div 2$ or 2 ft. added to 30.6 = 32.6. For slopes of 1 on 1½ see inside of back cover.

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| | Page |
|--------------------------|-----------------|
| Δ , 0+00 to 13+20 | 627 |
| C_1 0+00 to 27+53.1 | 14-15, 16 & 17 |
| R_1 0+00 to 1+83 | 18 & 19 |
| C.I. 0+00 to 8+88.15 | 66-67 |
| 8+88.15 to 11+33.95 | Bk. 32 P. 34-35 |
| 11+33.95 to 15+08.70 | 68-69 |
| 15+08.70 to 25+92.50 | Bk. 32 P. 44-46 |
| 25+92.50 to 72+14.50 | 44-50 |
| A_2 0+00 to 18+87.8 | 82-85 |
| B_2 0+00 to 18+70.5 | 54-57 |
| C_2 0+00 to 18+25.67 | 70-73 |
| D_2 0+00 to 18+26.0 | 74-77 |
| E_2 0+00 to 11+23.4 | 78-79 |
| F_2 0+00 to 11+28.4 | 80-81 |
| G_2 0+00 to 4+56.95 | 52 |
| H_2 0+00 to 9+07.62 | 40-41 |
| I_2 0+00 to 4+21.2 | 38 |
| J_2 0+00 to 6+22.5 | 42 |
| K_2 0+00 to 6+22.5 | 43 |
| L_2 5+70 to 7+53.00 | 68 |
| Y_2 0+00 to 1+80.0 | 53-54 |
| Z 0+00 to 1+90 | 65 |
| T_1 | 19 |
| U_1 | 19 |

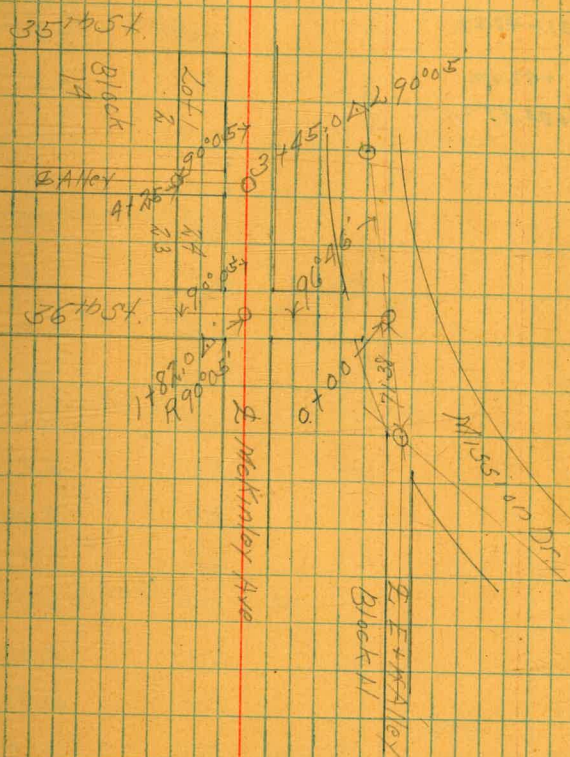
Solar Levels

Mission Dr. E 30th St & McKinley Alley B114

| | | | | | |
|-------|--------------------|--------|------|--------|--------|
| B.M. | 523 | 397.41 | | 392.38 | 397.38 |
| 0+00 | | | 5.88 | | 0.00 |
| +33 | | | 4.8 | | |
| +46 | Top Paring | | 5.45 | | |
| +700 | " | | 5.75 | | |
| +50 | " | | 6.0 | | |
| +88 | Δ P | | 6.16 | | |
| 2+00 | " | | 6.40 | | |
| +14 | " | | 5.90 | | |
| +50 | " | | 5.7 | | |
| 3+00 | " | | 5.8 | | |
| +45.0 | Δ 190°05' S. Alley | | 5.78 | | 0.12 |
| +63 | " | | 5.8 | | |
| +70 | " | | 5.8 | | |
| +95 | " | | 4.0 | | |
| T.P. | 3.33 | 397.10 | 3.86 | 392.77 | |
| 4+00 | " | | 3.3 | | |
| +25 | Lot line 147 B114 | | 2.8 | | |

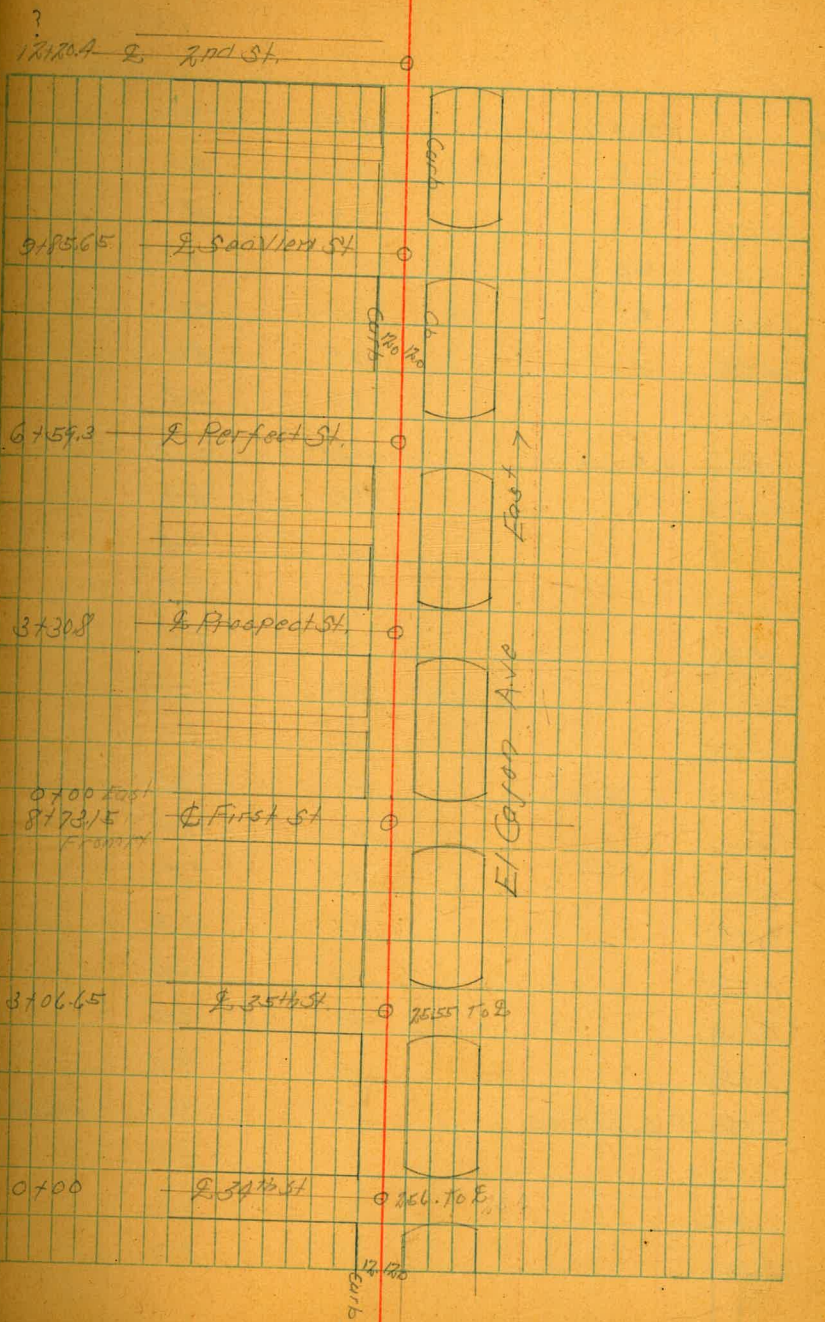
Normal Heights

3
8-6-25
AS 1530
X B114
9 Northward



4 Sewer Levels
Center North Road Way El Cajon Ave
From E 34th St to E First St.

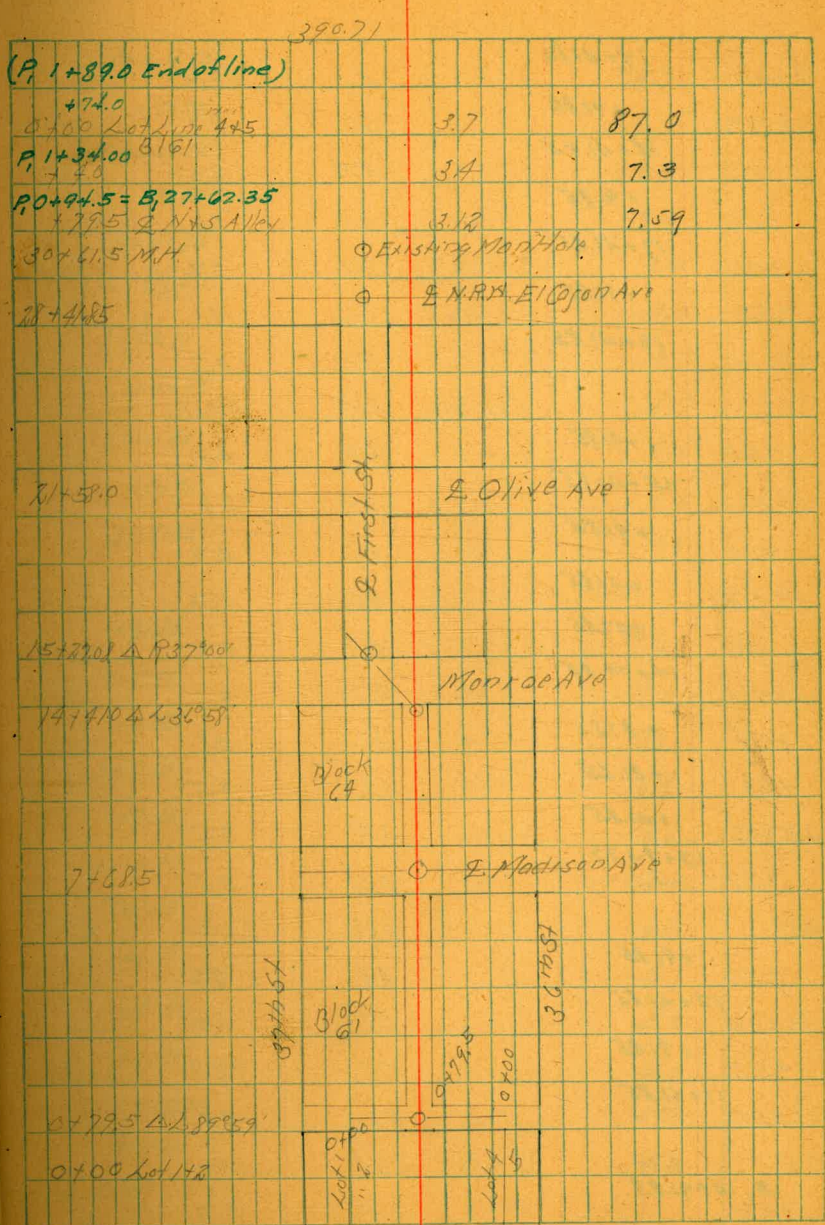
| | | | | | |
|---------------------|----------|--------|--------|--------|----------------------------|
| T.P. | 3.02 | 383.26 | | 380.24 | st 6 24 55 + Need on Cl |
| I.P. | 3.09 | 380.25 | 6.10 | 377.14 | |
| J. 28+97.22 | | | | | |
| 0+00 = E 34th St | | | 4.39 | 5.8 | on st 6 |
| 50 | 29+47.22 | | 5.1 | 5.1 | |
| 1+00 | +97.22 | | 5.6 | 4.6 | |
| 50 | 30+47.22 | | 6.1 | 4.1 | |
| 2+00 | +97.22 | | 6.8 | 3.4 | |
| 50 | 31+47.22 | | 7.4 | 2.8 | |
| 3+00 | +97.22 | | 7.9 | 2.3 | |
| T.P. 32+03.87 = 476 | | | | | |
| 706.65 E 35th St | 376.89 | 8.12 | 372.13 | | |
| 50 | | 5.2 | 1.7 | | |
| 4+00 | | 5.5 | 1.4 | | |
| 50 | | 5.9 | 1.0 | | |
| 5+00 | | 5.7 | 1.2 | | |
| 50 | | 5.3 | 1.6 | | |
| 6+00 | | 5.2 | 1.7 | | |
| 50 | | 4.9 | 2.0 | | |
| 7+00 | | 4.5 | 2.4 | | |
| 50 | | 4.1 | 2.8 | | |
| 8+00 | | 3.7 | 3.2 | | |
| 50 | | 3.3 | 3.6 | | |
| 9+00 | | 2.9 | 4.0 | | |
| T.P. 592 | | | | | |
| +731.5 E First St | 380.36 | 2.45 | 374.94 | | |



8 Server Levels Bi-Line
Alley Block 61-64 + First St.

| | | | | | |
|--|----------------|--------|------|--------|----------------------|
| B.M. | 4.00 | 390.71 | | 386.71 | SE. Adams 4361234 |
| P.O + 15 | | | 27 | 8.0 | |
| 0 + 1.00 = Lot Line + 23661 | | | | | |
| + 55 | | | 29 | 7.8 | |
| + 40 | | | | | |
| P.O + 94.5 = B, 27 + 62.35 (End of line) | | | 31.8 | 387.59 | |
| T.P. + 79.5 E. N. S. Alley 391.58 | | | | | |
| 1 + 0.00 | 27 + 41.85 | | 47 | 6.9 | |
| | + 91.85 | | 49 | 6.7 | |
| 450 | | | | | |
| 2 + 0.00 | 26 + 41.85 | | 46 | 7.0 | |
| | + 91.85 | | 41 | 7.5 | |
| + 50 | | | | | |
| 3 + 0.00 | 25 + 41.85 | | 40 | 7.6 | |
| | + 91.85 | | 48 | 6.8 | |
| + 50 | | | | | |
| 4 + 0.00 | 24 + 41.85 | | 49 | 6.7 | |
| | + 91.85 | | 51 | 6.5 | |
| + 50 | | | | | |
| 5 + 0.00 | 23 + 41.85 | | 58 | 5.8 | |
| | + 91.85 | | 59 | 5.7 | |
| 750 | | | | | |
| 6 + 0.00 | 22 + 41.85 | | 66 | 5.0 | |
| T.P. | 2.64 | 387.75 | 642 | 385.11 | |
| | + 91.85 | | 3.1 | 4.6 | |
| + 50 | | | | | |
| 7 + 0.00 | 21 + 41.85 | | 32 | 4.5 | |
| | + 97.85 | | 34 | 4.3 | |
| 744 | | | | | |
| + 50 | + 91.85 | | 40 | 3.7 | |
| | + 73.35 | | 3.7 | 4.0 | |
| + 68.5 | E. Madison Ave | | 45 | 3.2 | |
| + 86 | + 55.85 | | | | |
| | + 49.85 | | 37 | 4.0 | |
| + 92 | | | | | |
| 8400 | 20 + 41.85 | | 38 | 3.9 | |
| | B, 19 + 91.85 | | 4.2 | 3.5 | |
| + 50 | | | | | |

9 Server Levels
E. N. S. Alley Block 61 From Lot 4+5 to E. N. S. Alley



| | | | | |
|-------|------------------|--------|------|--------|
| | | 387.75 | | |
| 9+00 | 19+41.85 | | 5.1 | 82.6 |
| +50 | +91.85 | | 5.0 | 2.7 |
| 10+00 | 18+41.85 | | 5.5 | 2.2 |
| +50 | +91.85 | | 6.1 | 1.6 |
| 11+00 | 17+41.85 | | 6.5 | 1.2 |
| +50 | +91.85 | | 6.6 | 1.1 |
| 12+00 | 16+41.85 | | 7.0 | 0.7 |
| T.P. | 4.11 | 384.99 | 6.87 | 380.88 |
| +50 | +91.85 | | 4.5 | 0.5 |
| 13+00 | 15+41.85 | | 4.4 | 0.6 |
| +50 | +91.85 | | 4.8 | 0.2 |
| 14+00 | +41.85 | | 4.8 | 0.2 |
| 134 | +07.85 | | 4.7 | 0.3 |
| +41.0 | 14+00.85 | | 4.30 | 0.7 |
| +54 | +87.85 | | 4.9 | 0.1 |
| +60 | +81.85 | | 4.5 | 0.5 |
| 15+00 | +41.85 | | 4.5 | 0.5 |
| | 13+21.77 | | 4.49 | 0.5 |
| | +8708 Δ R 37°00' | | 4.68 | 380.31 |
| 327 | | | 4.8 | 0.2 |
| +50 | +91.85 | | 4.8 | 0.2 |
| 16+00 | 12+41.85 | | 4.8 | 0.2 |
| +50 | +91.85 | | 5.1 | 79.9 |
| 17+00 | 11+41.85 | | 5.2 | 9.8 |
| T.P. | 4.34 | 384.09 | 5.24 | 379.75 |
| +50 | 8, 10+91.85 | | 4.4 | 9.7 |

on slab
SE corner
+1st
380.35

| | | | | |
|-------|--------------|--------|------|--------|
| | | 384.09 | | |
| 18+00 | 10+41.85 | | 4.4 | 79.7 |
| +50 | +91.85 | | 4.6 | 9.5 |
| 19+00 | 9+41.85 | | 4.7 | 9.4 |
| +50 | +91.85 | | 4.8 | 9.3 |
| 20+00 | 8+41.85 | | 4.8 | 9.3 |
| +50 | 91 +83.85 | | 5.0 | 9.1 |
| 21+00 | 7+82.85 | | 5.1 | 9.0 |
| +50 | +83.85 | | 5.4 | 8.7 |
| 22+00 | 6+41.85 | | 5.6 | 8.5 |
| +50 | +91.85 | | 6.0 | 8.1 |
| 23+00 | 5+41.85 | | 6.3 | 7.8 |
| T.P. | 3.45 | 381.21 | 6.33 | 377.76 |
| +50 | +91.85 | | 6.6 | 7.6 |
| 24+00 | 4+41.85 | | 6.8 | 7.4 |
| +50 | +91.85 | | 4.1 | 7.1 |
| 25+00 | 3+41.85 | | 4.3 | 6.9 |
| +50 | +91.85 | | 4.6 | 6.6 |
| 26+00 | 2+41.85 | | 4.8 | 6.4 |
| +50 | +91.85 | | 5.2 | 6.0 |
| 27+00 | 1+41.85 | | 5.5 | 5.7 |
| +50 | +91.85 | | 5.9 | 5.3 |
| 28+00 | +41.85 | | 6.1 | 5.1 |
| +50 | +26.85 | | 6.2 | 5.0 |
| 29+00 | +11.85 | | 6.9 | 4.3 |
| T.P. | 4.37 | 378.73 | 6.77 | 374.43 |
| +50 | 4.85 Δ R 10° | | | |
| | El Cajon | | | |

378.73

| | | | |
|---------|-------------|-------|-------|
| 28+57.2 | Edg. Boring | 4.72 | 74.5 |
| 29+00 | Top " | 4.46 | 4.27 |
| +50 | " " | 4.83 | 3.90 |
| 30+00 | " " | 5.46 | 3.27 |
| +615 | " " M. Hole | 6.80 | 2.53 |
| | Flux Line | 17.97 | 60.76 |

3 M.

4.71

374.08

S.M. EL977
+1543225

14 Sanyal Levels C.L. 100
Alley Block 62 + 65 E. Prospect St

391
37.7

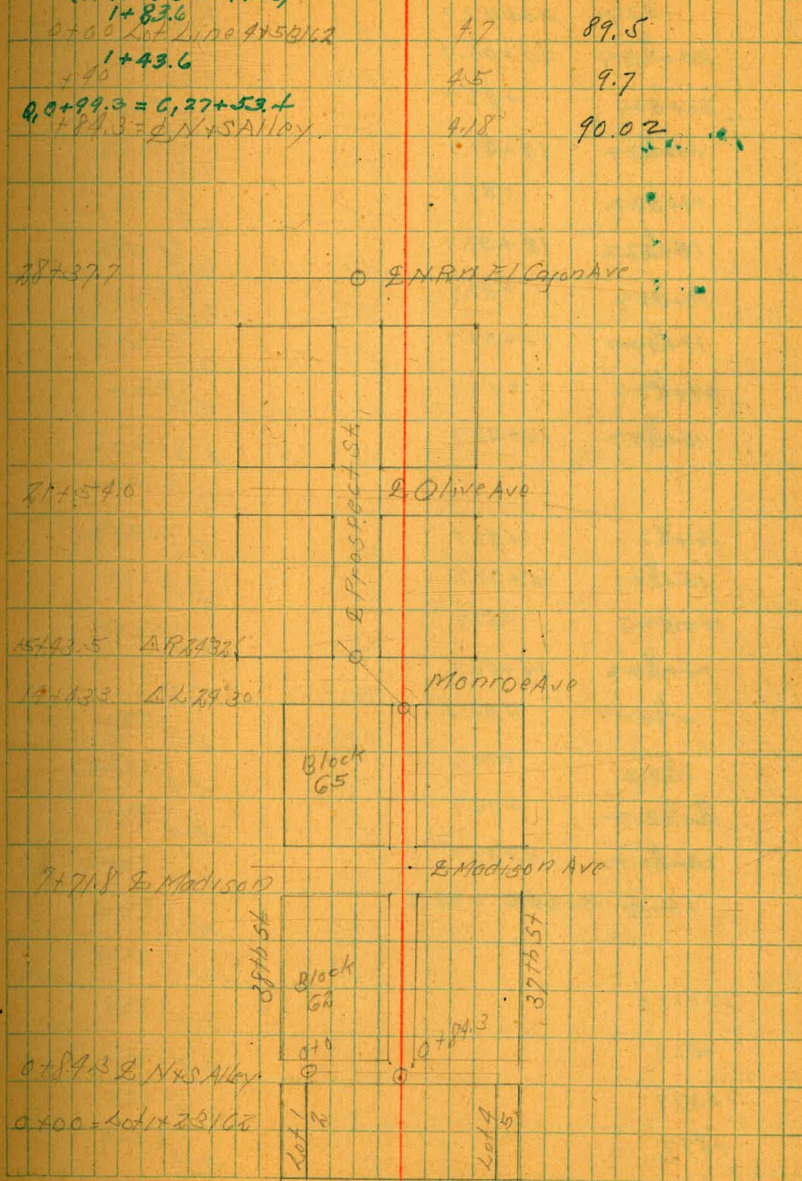
S.F. AREA
+3916.54

| | | | |
|--------------------------|-------|-------|--------|
| 9, 0+15.0 | 49.5 | 39420 | 389.25 |
| 0+00 Lot 21/201 + 23/162 | | 28 | 91.4 |
| +55.0 | | 39 | 0.3 |
| 9, 0+99.3 = 27+53.4 + 36 | | 41.8 | 390.02 |
| +84.3 E.N.S. Alley | | 4.5 | 89.9 |
| 1+00 27+57.7 + 57.7 | | 4.4 | 90.0 |
| +50 28+87.7 + 87.7 | | 4.8 | 89.6 |
| 2+00 26+37.7 + 37.7 | | 4.7 | 9.7 |
| +50 25+87.7 + 87.7 | | 4.9 | 9.5 |
| 3+00 25+37.7 + 37.7 | | 4.9 | 9.5 |
| +50 24+87.7 + 87.7 | | 5.2 | 9.2 |
| 4+00 24+37.7 + 37.7 | | 5.4 | 9.0 |
| +50 23+87.7 + 87.7 | | 5.7 | 8.7 |
| 5+00 23+37.7 + 37.7 | | 5.8 | 8.6 |
| +50 22+87.7 + 87.7 | | 5.8 | 8.6 |
| 6+00 22+37.7 + 37.7 | | | |
| T.P. 269 | 39154 | 553 | 388.85 |
| +50 22+87.7 + 87.7 | | 2.6 | 8.9 |
| +70 21+67.7 + 67.7 | | 2.8 | 9.3 |
| 7+00 21+37.7 + 37.7 | | 2.8 | 9.3 |
| +20 21+17.7 + 17.7 | | 2.7 | 8.8 |
| +45 21+2.7 + 2.7 | | 4.3 | 7.2 |
| +55 21+82.7 + 82.7 | | 5.2 | 6.3 |
| +71.8 + E. Madison Ave | | 4.2 | 7.3 |
| +90 20+47.7 + 47.7 | | 5.1 | 6.4 |
| +96 20+41.7 + 41.7 | | 4.4 | 7.1 |

Sanyal Levels E.N.S. Alley Block 62
From Lot 4+5 to E.N.S. Alley

15
8-7-25

(9, 1+98.6 End line) 394.2



| | | | | |
|-------|--------------|--------------|------|-------|
| | ⁶ | 39154 | | |
| 8+00 | +27.7 | 20+37.7 | 44 | 87.1 |
| | ³ | 20+26.7 | | |
| +31 | | 20+06.7 | 34 | 8.1 |
| | ¹ | +87.7 | | |
| +50 | | 20+87.7 | 35 | 8.0 |
| | ⁶ | 19+87.7 | | |
| 9+00 | | 19+87.7 | 41 | 7.4 |
| | ¹ | +87.7 | | |
| +50 | | 14+87.7 | 46 | 6.9 |
| | ⁶ | 18+87.7 | | |
| 10+00 | | 18+37.7 | 48 | 6.7 |
| | ¹ | +87.7 | | |
| +50 | | 18+87.7 | 49 | 6.6 |
| | ⁶ | 17+87.7 | | |
| 11+00 | | 17+37.7 | 54 | 6.1 |
| | ¹ | +87.7 | | |
| +50 | | 17+87.7 | 57 | 5.8 |
| | ⁶ | 16+87.7 | | |
| 12+00 | | 16+37.7 | 62 | 5.3 |
| T.P. | 380 | 38892 | 642 | 38512 |
| | ¹ | +87.7 | | |
| +50 | | 16+87.7 | 38 | 5.1 |
| | ⁶ | 15+87.7 | | |
| 13+00 | | 15+37.7 | 41 | 4.8 |
| | ¹ | +87.7 | | |
| +50 | | 15+87.7 | 46 | 4.3 |
| | ⁶ | 14+87.7 | | |
| 14+00 | | 14+37.7 | 48 | 4.1 |
| | ² | +87.7 | | |
| +43.3 | 14 24' 30" | +79.7 | 498 | 3.9 |
| | ⁹ | +72.7 | | |
| +58 | | 13+87.7 | 56 | 3.3 |
| | ⁹ | +72.7 | | |
| +65 | | 13+87.7 | 50 | 3.9 |
| | ⁶ | 13+37.7 | | |
| 15+00 | | 13+2+2 +91.2 | 50 | 3.9 |
| | ² | +91.2 | | |
| +43.5 | 19 24' 30" | | 425 | 4.2 |
| 3.M. | | | 8.60 | 38032 |
| | 12+37.7 | | | |
| 16+00 | | | 50 | 3.9 |
| | +87.7 | | | |
| +50 | | | 54 | 3.5 |
| | 11+37.7 | | | |
| 17+00 | | | 57 | 3.2 |
| | +87.7 | | | |
| +50 | | | 59 | 3.0 |

SE Monitor
+ First
380.27

| | | | | |
|-------------------|-------------------------------|-------|-------|-------|
| | 10+37.7 | | | |
| 18+00 | | 63 | 2.7 | |
| T.P. | 333 | 38605 | 620 | 38272 |
| | +87.7 | | | |
| +50 | | 37 | 2.3 | |
| | 9+37.7 | | | |
| 19+00 | | 39 | 2.1 | |
| | +87.7 | | | |
| +50 | | 43 | 1.7 | |
| | 8+37.7 | | | |
| 20+00 | | 45 | 1.5 | |
| | +87.7 | | | |
| +50 | | 47 | 1.3 | |
| | 7+37.7 | | | |
| 21+00 | | 50 | 1.0 | |
| | +82.7 | | | |
| +54.0 | 11116 Ave | 50 | 1.0 | |
| | 6+37.7 | | | |
| 22+00 | | 54 | 80.6 | |
| | +87.7 | | | |
| +50 | | 56 | 0.4 | |
| | 5+37.7 | | | |
| 23+00 | | 60 | 0.0 | |
| | +87.7 | | | |
| +50 | | 65 | 79.5 | |
| | 4+37.7 | | | |
| 24+00 | | 67 | 9.3 | |
| T.P. | 182 | 38224 | 663 | 37942 |
| | +87.7 | | | |
| +50 | | 30 | 9.2 | |
| | 3+37.7 | | | |
| 25+00 | | 34 | 8.8 | |
| | +87.7 | | | |
| +50 | | 38 | 8.4 | |
| | 2+37.7 | | | |
| 26+00 | | 46 | 7.6 | |
| | +87.7 | | | |
| +50 | | 50 | 7.2 | |
| | 1+37.7 | | | |
| 27+00 | | 51 | 7.1 | |
| | +87.7 | | | |
| +50 | | 58 | 7.0 | |
| | +37.7 | | | |
| 28+00 | | 55 | 6.7 | |
| | +27.7 | | | |
| +10 | | 54 | 6.8 | |
| | 0+09.7 | | | |
| +30 | | 62 | 5.9 | |
| 60+00 = A, 3+30.8 | | 63 | 376.1 | |
| | 11117 = E, 11117, E/Cajon Ave | | | |

Sewer Levels
N + S + E + W Alley Block 63

Location Page #1

| | | | | |
|----------------------|-------------------------|--------|--------|--------------------|
| BM | 738 | 396.63 | 389.25 | SW Adams +35.44 |
| R, 1+83.0 | | | | |
| 0+00 | Lollie 14231 | 2.7 | 93.9 | |
| R, 1+41.0 | | | | |
| +46 | | 2.7 | 3.9 | |
| E, 6+86.5 = R, 0+82 | 99.0 | | | |
| +84 | L 90°00' E, N + S Alley | 3.27 | 3.3 | on stub |
| +92 | +80.5 | 3.7 | 2.9 | |
| 1+00 | +72.5 | 3.8 | 2.8 | |
| T.P. | 3.89 | 396.65 | 392.36 | |
| +30 | +42.5 | 4.6 | 2.0 | |
| +50 | 6+22.5 | 4.6 | 2.0 | |
| 2+00 | +72.5 | 4.5 | 2.1 | |
| +50 | 5+22.5 | 4.8 | 1.8 | |
| 3+00 | +72.5 | 4.7 | 1.9 | |
| +50 | 4+22.5 | 4.7 | 1.9 | |
| 4+00 | +72.5 | 4.9 | 1.7 | |
| +50 | 3+22.5 | 5.3 | 1.3 | |
| 5+00 | +72.5 | 5.5 | 1.1 | |
| +50 | 2+22.5 | 5.7 | 0.9 | |
| T.P. | 5.35 | 396.38 | 391.03 | |
| 6+00 | +72.5 | 5.8 | 1.2 | |
| +50 | 1+22.5 | 4.7 | 1.7 | |
| 7+00 | +72.5 | 4.9 | 1.5 | |
| +33 | +39.5 | 6.1 | 0.3 | |
| +47 | +25.5 | 6.9 | 89.5 | |
| +54 | +18.5 | 7.6 | 8.8 | |
| E, 0+12.5 | | 7.1 | 9.3 | |
| 7.6 | | 7.1 | 9.4 | |
| E, 0+00 = D, 3+41.45 | | | | |
| +78.5 | L Madison Ave | | | |
| -3.4145 | Dibine | | | |

Sewer Levels
East + West Alley Block 63
West N + S Alley

Location Page #1

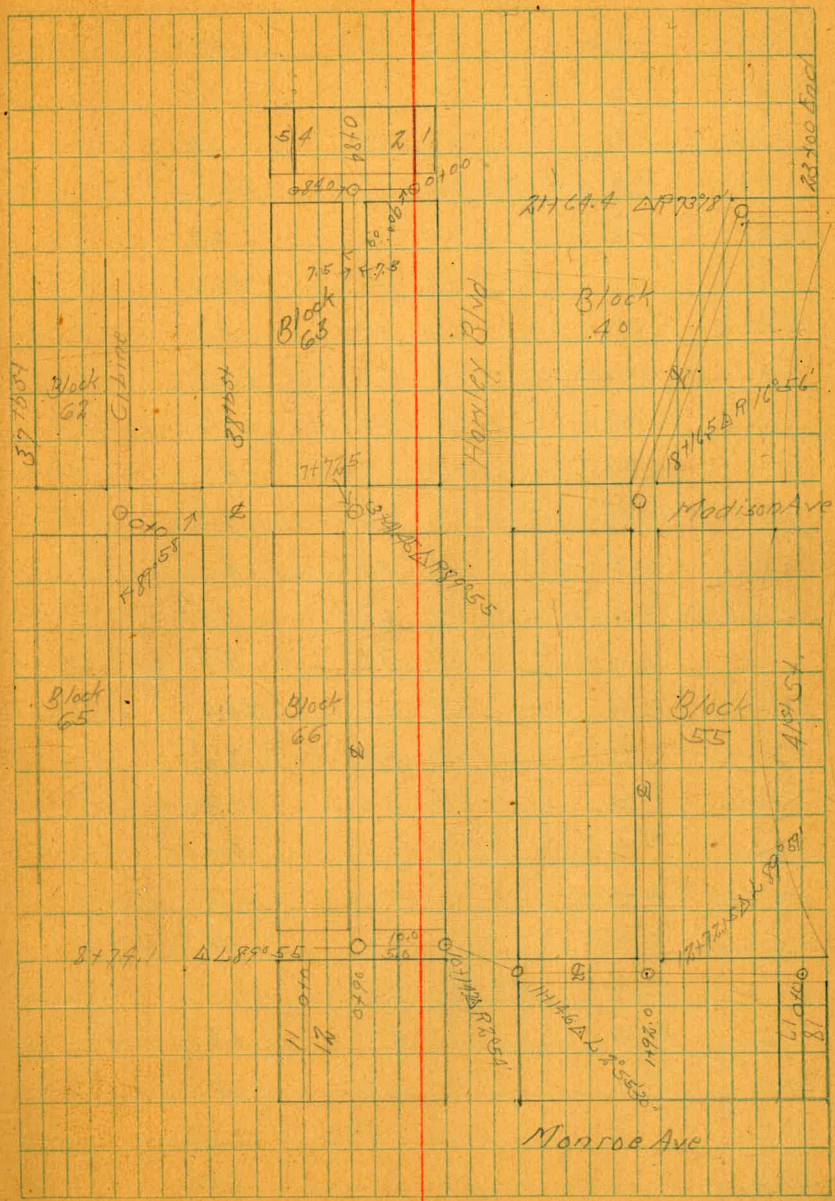
| | | | | |
|---|--------------------------------------|--------|--------|---------------------|
| R, 0+15.0 | | | | |
| 0+00 | Lollie 14231 | 4.0 | 92.6 | |
| +57.0 | | 3.3 | 3.3 | |
| +48 | | | | |
| +99.0 | | | | |
| +84 | E, N + S Alley | 3.27 | 3.36 | |
| Sewer Levels E + W Alley Block 66, West N + S Alley | | | | |
| T.P. | 2.25 | 392.99 | 389.14 | Stub at 8+24.24 |
| T, 0+00 | Lollie 14231 | 4.8 | 8.2 | |
| +45 | | 4.7 | 8.3 | |
| +90 | E, N + S Alley | 6.85 | 9.2 | |
| +74.1 | | | | |
| Sewer Levels E + W Alley Block 65 East N + S Alley | | | | |
| Location Page #1 | | | | |
| T.P. | 5.25 | 396.64 | 391.39 | Stub at 12+22.54 |
| 0+00 | Lollie 14231 | 4.5 | 2.1 | |
| U, 0+13 | 1+42.0 Block 65 (1+57.0 End line) | 4.3 | 2.3 | |
| +50 | | | | |
| +92.0 | | 4.9 | 1.7 | |
| 1+00 | | 5.0 | 1.6 | |
| +42.0 | | | | |
| +50 | | | | |
| U, 0+00 | | 5.25 | 1.4 | |
| +92.0 | E, N + S Alley | | | |
| = 12+22.5 | | | | |

Server Levels Di Line

Madison Ave Alley Block 66-55-40

| B.M. | 4.63 | 393.88 | | 389.25 | S. Adams +38711.51 |
|--------|---------------------|--------|------|--------|-----------------------|
| T.P. | 4.45 | 393.20 | 5.13 | 388.75 | |
| 0+00 | 2 Madison Ave | | 5.89 | 7.3 | |
| 7+71.8 | N+S Alley B167+65 | | 5.6 | 7.6 | |
| +50 | | | 5.4 | 7.8 | |
| 1+00 | | | 5.36 | 7.8 | |
| +41 | Top Paving | | 5.53 | 7.7 | |
| +53 | " | | 5.01 | 8.2 | |
| +71.0 | 2 3rd St Top Paving | | 5.42 | 7.8 | |
| +89 | Top Paving | | 5.05 | 8.2 | |
| 2+01 | " | | 4.1 | 8.8 | |
| +50 | | | 4.1 | 9.1 | |
| 3+00 | | | 3.80 | 9.4 | |
| +11.45 | AP 89 255' | | 4.8 | 9.4 | |
| +59 | | | 3.8 | 9.4 | |
| +64 | | | 3.3 | 90.9 | |
| T.P. | 4.85 | 394.25 | 3.80 | 389.40 | |
| +92 | | | 3.3 | 89.8 | |
| 4+00 | | | 3.5 | 9.5 | |
| +50 | | | 4.4 | 9.8 | |
| 5+00 | | | 4.7 | 9.5 | |
| +22 | | | 4.4 | 9.8 | |
| +50 | | | 4.8 | 9.5 | |
| 6+00 | | | 4.8 | 9.4 | |
| +50 | | | 4.6 | 9.6 | |
| 7+00 | | | | | |

Normal Heights



39425

| | | | | |
|---------|-------------------------------|--------|------|--------|
| 7+50 | | | 5.2 | 89.0 |
| 8+00 | | | 5.3 | 8.9 |
| +50 | | | 5.2 | 9.0 |
| T.P. | 5.32 | | | |
| +74.1 | $\Delta L 89^{\circ} 55'$ | 394.46 | 5.11 | 389.14 |
| 9+00 | | | 4.8 | 9.7 |
| +50 | | | 4.3 | 90.2 |
| 10+00 | | | 4.4 | 0.1 |
| +147 | $\Delta R 2^{\circ} 54'$ | | 5.27 | 89.2 |
| +16 | Top Paving | | 5.20 | 9.3 |
| +40 | " " | | 6.00 | 8.5 |
| +65 | S Hanley | | 5.21 | 9.2 |
| +90 | Top Paving | | 5.83 | 8.7 |
| 11+14.6 | $\Delta L 2^{\circ} 55' 30''$ | | 5.22 | 9.3 |
| +17 | | | 4.6 | 9.9 |
| +25 | | | 3.9 | 90.6 |
| +50 | | | 3.9 | 0.6 |
| 12+00 | | | 3.6 | 0.9 |
| +50 | | | 4.1 | 0.4 |
| +72.15 | $\Delta L 89^{\circ} 59'$ | | 3.07 | 1.4 |
| 13+00 | | | 2.0 | 1.5 |
| T.P. | 5.56 | 397.07 | 1.95 | 391.51 |
| +50 | | | 5.2 | 1.9 |
| 14+00 | | | 5.2 | 1.9 |
| +50 | | | 4.9 | 2.2 |
| 15+00 | | | 4.8 | 2.3 |

39707

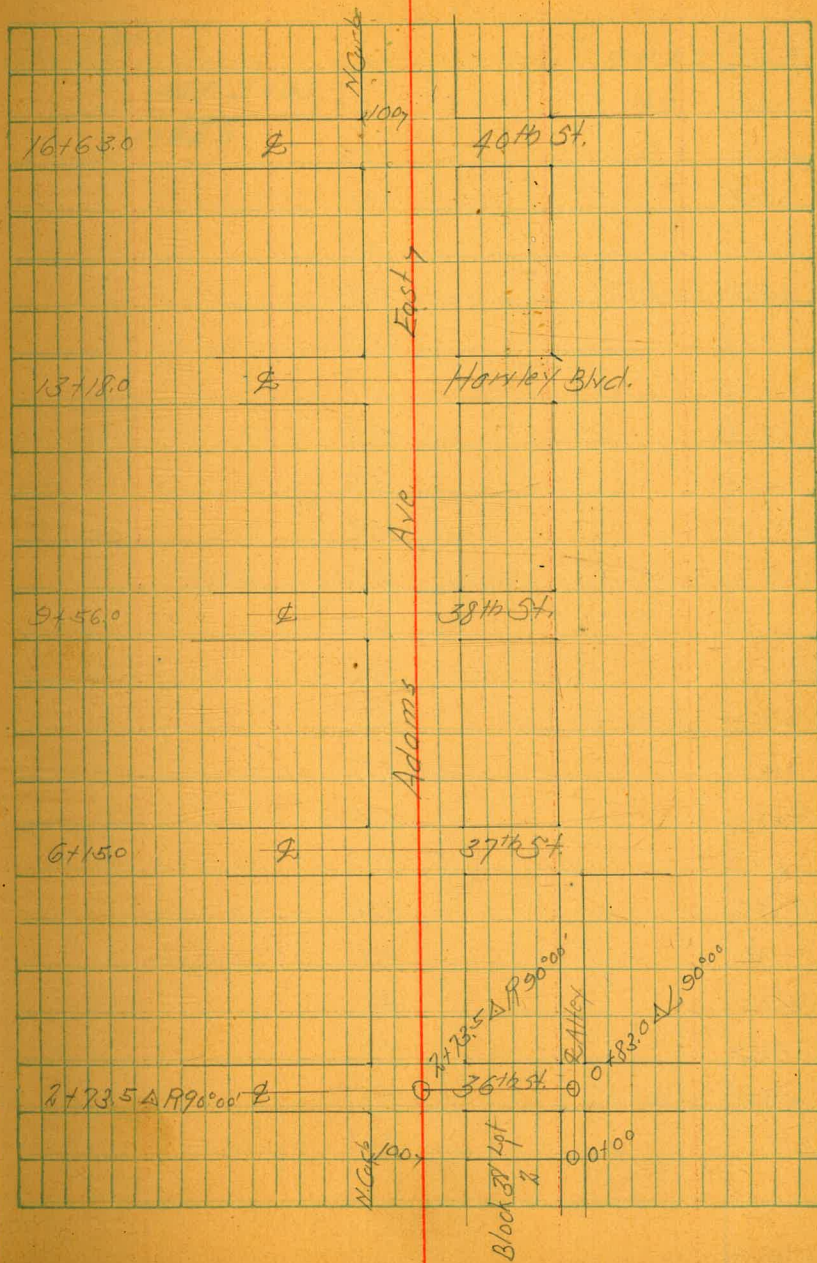
| | | | | |
|---------|---------------------------|--------|------|--------|
| 15+50 | | | 4.6 | 92.5 |
| 16+00 | | | 4.6 | 2.5 |
| +50 | | | 4.3 | 2.8 |
| 17+00 | | | 4.3 | 2.8 |
| +50 | | | 4.9 | 2.2 |
| +25 | | | 5.2 | 1.4 |
| +23 | | | 6.2 | 0.9 |
| T.P. | 7.24 | | | |
| 18+16.5 | $\Delta P 10^{\circ} 55'$ | 398.71 | 5.60 | 391.47 |
| +28 | | | 7.7 | 1.0 |
| +35 | | | 6.9 | 1.8 |
| +50 | | | 6.7 | 2.0 |
| +88 | | | 5.5 | 3.2 |
| 19+00 | | | 5.9 | 3.3 |
| +50 | | | 5.1 | 3.6 |
| +82 | | | 4.6 | 4.1 |
| 20+00 | | | 5.2 | 3.5 |
| +50 | | | 4.9 | 3.8 |
| 21+00 | | | 4.7 | 4.0 |
| +36 | | | 4.2 | 4.4 |
| +64.4 | $\Delta P 73^{\circ} 18'$ | | 4.75 | 4.0 |
| 22+00 | | | 4.5 | 4.2 |
| +50 | | | 4.5 | 4.2 |
| 23+00 | | | 4.5 | 4.2 |
| T.P. | 4.42 | 398.17 | 4.96 | 398.75 |
| 24+00 | | | 5.41 | 398.76 |

SE Adams
40th St
39878

28 Sewer Levels "M" Line
 Adams Ave From Lot 1 to Block 39 to 236-290th St

| BM | 5.47 | 39218 | 39671 | SE Adams 136th St. |
|--------|--------------------------------------|-------|-------|-----------------------|
| 0+00 | - Lot Line N1/2 Block 38 | 6.4 | | |
| +50 | | 6.2 | | |
| +53 | | 6.3 | | Top Pavng |
| +65 | | 6.7 | | |
| +83.0 | 4290°00' S 36th St | 6.43 | | Top Pavng |
| 1+00 | | 6.3 | | " " |
| +50 | | 6.0 | | " " |
| 2+00 | | 5.8 | | " " |
| +15 | | 5.6 | | " " |
| +27 | | 6.1 | | " " |
| +40 | | 5.1 | | " " |
| | | 4.98 | | Top Pavng |
| +55.5 | 2 Adams | 5.0 | | Top Pavng |
| +73.50 | Δ R 90°00' = 10.0 S 10° N Carb Adams | 5.27 | | " " |
| 3+00 | | 5.2 | | " " |
| +50 | | 4.9 | | " " |
| 4+00 | | 4.7 | | " " |
| +50 | | 4.6 | | " " |
| 5+00 | | 4.4 | | " " |
| +50 | | 4.2 | | " " |
| T.P. | 5.54 | 39390 | 388 | 388.36 |
| 6+00 | | 5.6 | | " " |
| +150 | 2 37th St | 5.33 | | " " |
| +50 | | 5.3 | | " " |

29
 8-10-75



| | | | | |
|-------|---------------------|--------|------|------------------------------|
| | | 393.90 | | |
| 7+00 | | | 5.2 | Top Ridge |
| +50 | | | 5.0 | " " |
| 8+00 | | | 4.9 | " " |
| +50 | | | 4.8 | " " |
| 9+00 | | | 4.6 | " " |
| +56.0 | 2.38 ^{msl} | | 4.43 | " " |
| 10+00 | | | 4.1 | " " |
| +50 | | | 4.0 | " " |
| 11+00 | | | 3.6 | " " |
| +50 | | | 3.5 | " " |
| 12+00 | | | 3.2 | " " |
| T.P. | 15.75 | 3969.3 | 2.72 | 391.18 |
| +50 | | | 6.0 | " " |
| 13 | | | 5.8 | " " |
| +18.0 | 2. Harley Blvd. | | 5.69 | " " |
| +50 | | | 5.7 | " " |
| 14+00 | | | 5.4 | " " |
| +50 | | | 5.3 | " " |
| 15+00 | | | 5.2 | " " |
| +50 | | | 5.0 | " " |
| 16+00 | | | 4.8 | " " |
| +50 | | | 4.6 | " " |
| +63.0 | 1.40 ^{msl} | | 4.47 | " " |
| B.M. | | | 4.17 | 392.76 SE Adams 4/1/54 |

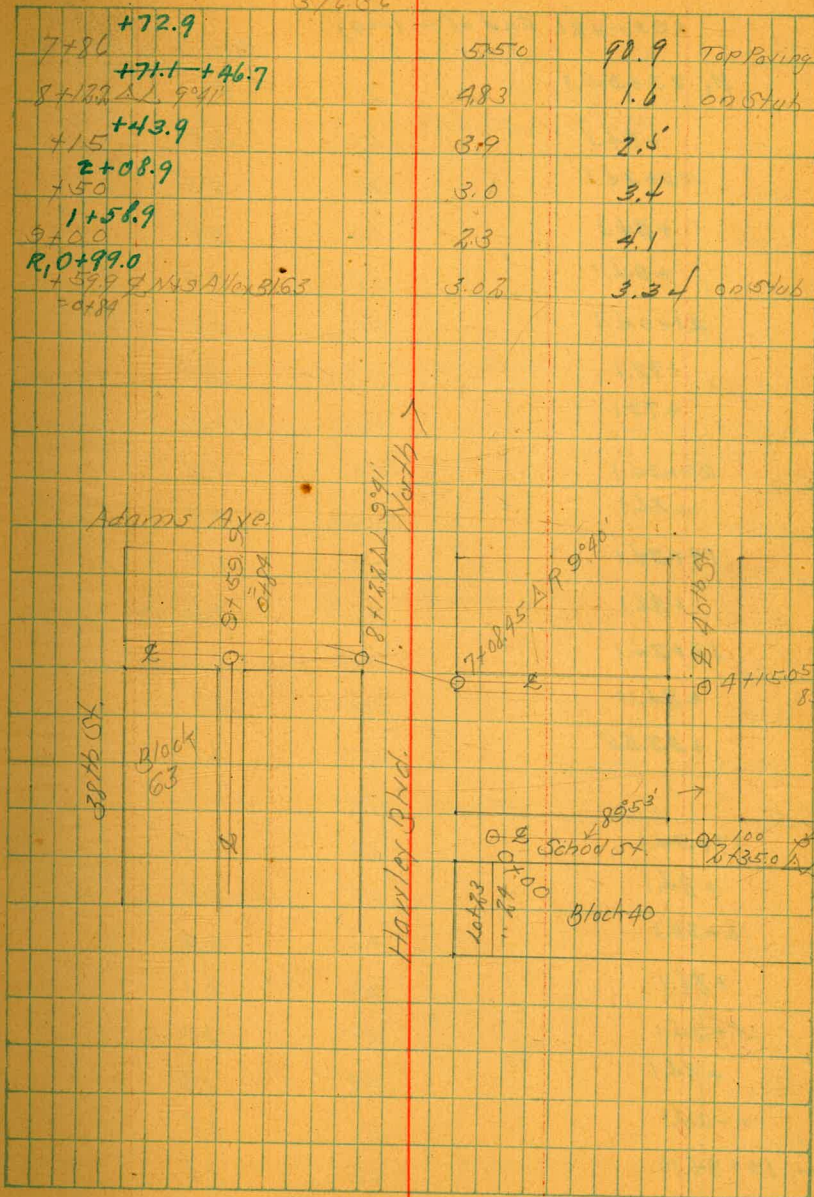
| | | | |
|-------------------|--------|--------|------------------|
| | | 399.02 | Location Page 33 |
| 5.2 + 50.0 | | | |
| 0.106 g School St | | 4.95 | 94.07 |
| -2.125 | +85.0 | 3+00 | 5.0 |
| +1.50 | 50.0 | | 4.0 |
| 1+00 | 3+35.0 | | 5.1 |
| | | | 3.9 |

38 Server Levels
School St - 40th St E. W. Alley Block 40+63

| | | | | |
|---------------------|----------|------------------|--------|----------------|
| BM | 624 | 399.02 | 392.78 | |
| S ₁ 0+00 | | 5,0+15.0 | 64 | 2.6 |
| +50 | | +65.0 | 59 | 3.1 |
| +100 | +58.9 | 1+15.0 | 56 | 3.2 |
| +150 | 9+08.9 | +65.0 | 54 | 3.6 |
| 2+00 | +58.9 | 2+15.0 | 51 | 3.9 |
| S ₁ +35 | | 123.9 = 5,2+50.0 | 495 | 4.1 |
| +50 | 8+08.9 | | 49 | 4.1 |
| 3+00 | +58.9 | | 51 | 3.9 |
| +50 | 7+08.9 | | 55 | 3.5 |
| 4+00 | +58.9 | | 59 | 3.1 |
| +150.5 | +43.85 | | 593 | 3.1 |
| +33 | +25.9 | | 71 | 1.9 |
| +40 | +18.9 | | 66 | 2.4 |
| +50 | 6+08.9 | | 62 | 2.8 |
| +85 | +73.9 | | 51 | 3.9 |
| 5+00 | +58.9 | | 50 | 4.0 |
| +50 | 5+08.9 | | 50 | 4.0 |
| T.P. | 196 | 396.36 | 462 | 392.40 |
| 6+00 | +58.9 | | 2.9 | 3.5 |
| +50 | 4+08.9 | | 3.2 | 3.2 |
| +95 | +63.85 | | 3.6 | 2.8 |
| 7+08.45 | +50.85 | | 4.52 | 1.9 On Stub |
| +36 | 3+28.8 | | 5.21 | 1.2 Top Paving |
| +61 | +98+97.9 | | 4.81 | 1.6 |

39 Server Levels
School St. Cont

396.36

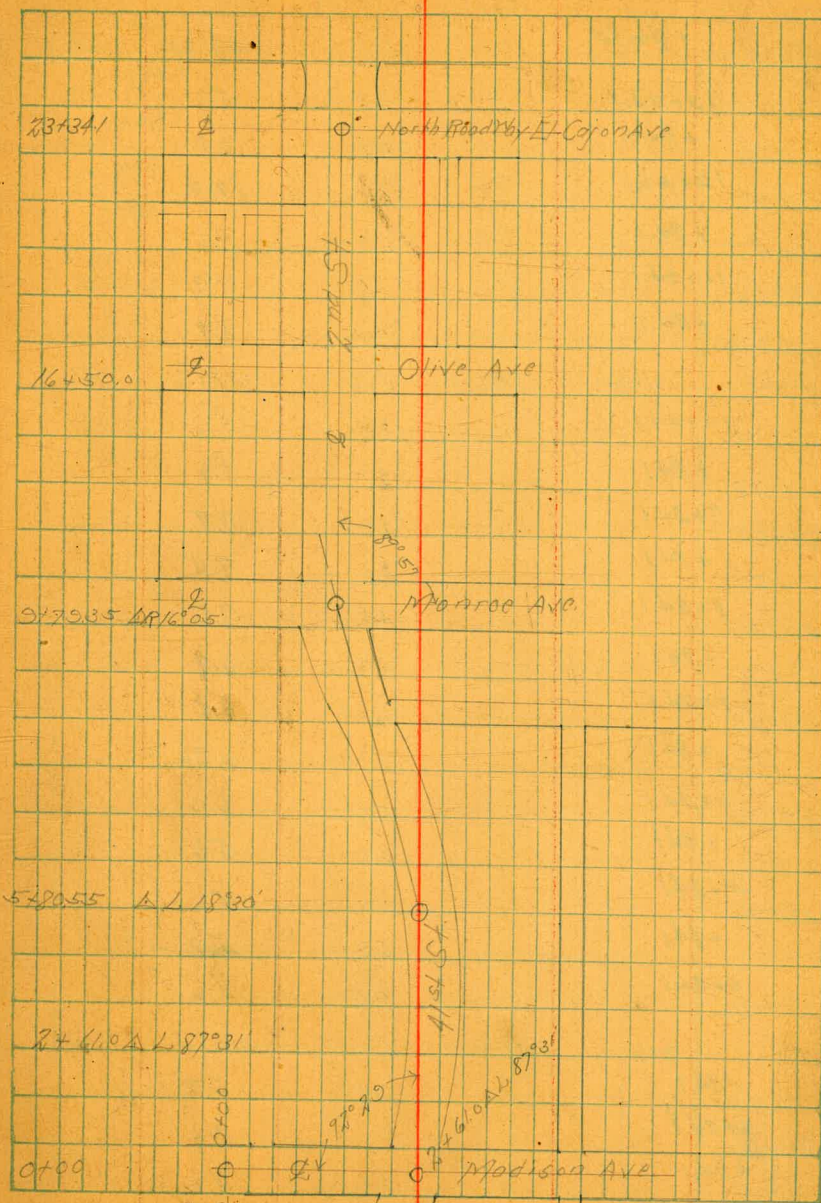


34 Server Levels H₁ Line

41st - 2nd St + Madison East of 41st
From Lot Line 19780 81.41 to E. N. Road May El Cajon Ave

| T.P. | (25+49.1 End of H ₁ line) | 5.70 | 39717 | 39147 | 18165.49 81.40 |
|--------|--------------------------------------|-------|-------|--------|-------------------|
| 0+00 | H ₁ 23+34.1 | | 41 | 3.1 | |
| +50 | +84.1 | | 42 | 3.0 | |
| 1+00 | 22+34.1 | | 42 | 3.0 | |
| +50 | +84.1 | | 44 | 2.8 | |
| 2+00 | +34.1 | | 43 | 2.9 | |
| +30 | 21+04.1 | | 473 | 2.5 | Edge paving Top |
| +42 | +92.1 | | 51 | 2.1 | |
| +610 | +73.1 | | 461 | 392.56 | |
| 3+00 | 20+34.1 | | 50 | 2.2 | |
| +50 | +84.1 | | 53 | 1.9 | |
| 4+00 | 19+34.1 | | 55 | 1.8 | |
| +50 | +84.1 | | 56 | 1.6 | |
| 5+00 | 18+34.1 | | 56 | 1.6 | |
| +50 | +84.10 | | 55 | 1.7 | |
| +80.55 | +53.55 | | 568 | 1.5 | |
| T.P. | 414 | 39590 | 541 | 39176 | |
| 6+00 | 17+34.1 | | 44 | 1.5 | |
| +50 | +84.1 | | 45 | 1.4 | |
| 7+00 | 16+34.1 | | 46 | 1.3 | |
| +50 | +84.1 | | 48 | 1.1 | |
| 8+00 | 15+34.1 | | 48 | 1.1 | |
| +50 | +84.1 | | 49 | 1.0 | |
| 9+00 | 14+34.1 | | 51 | 0.8 | |
| +50 | H ₁ 13+84.10 | | 51 | 0.8 | |

Normal Heights



| | | | | |
|---------|-----------------------------|--------|------|----------------|
| | 54 +36.75 | 395.90 | | |
| 9+79.35 | APIC 05 | | 511 | 90.79 Topaving |
| 10+00 | 2. Magroc + 4.54 13+34.1 | | 52 | 0.7 |
| +50 | +84.1 | | 56 | 0.3 |
| 11+00 | 12+34.1 | | 6.0 | 89.9 |
| +50 | +84.1 | | 6.3 | 9.6 |
| 12+00 | 11+34.1 | | 6.6 | 9.3 |
| +50 | +84.1 | | 7.0 | 8.9 |
| T.P. | 2.55 | 391.61 | 6.84 | 389.06 |
| 13+00 | 10+34.1 | | 3.0 | 8.6 |
| +50 | +84.1 | | 3.0 | 8.6 |
| 14+00 | 9+34.1 | | 3.7 | 7.9 |
| +50 | +84.1 | | 4.1 | 7.5 |
| 15+00 | 8+34.1 | | 4.4 | 7.2 |
| +50 | +84.1 | | 4.7 | 6.9 |
| 16+00 | 7+34.1 | | 5.1 | 6.5 |
| +50.0 | +84.1 | | 5.35 | 6.26 |
| 17+00 | 6+34.1 | | 5.6 | 6.0 |
| +50 | +84.1 | | 6.0 | 5.6 |
| 18+00 | 5+34.1 | | 6.4 | 5.2 |
| +50 | +84.1 | | 6.6 | 5.0 |
| 19+00 | 4+34.1 | | 7.0 | 4.6 |
| T.P. | 2.26 | 387.60 | 6.97 | 384.64 |
| +50 | +84.1 | | 3.4 | 4.2 |
| 20+00 | 3+34.1 | | 3.7 | 3.9 |
| +50 | +84.1 | | 4.0 | 3.6 |

| | | | | |
|-------|------------------------------------|--------|------|---------------|
| | 2+34.1 | 387.60 | | |
| 21+00 | | | 4.4 | 83.2 Topaving |
| +50 | +84.1 | | 4.8 | 2.8 |
| 22+00 | 1+34.1 | | 5.1 | 2.0 |
| +50 | +84.1 | | 5.5 | 2.1 |
| +50 | +36.1 | | 5.70 | 1.9 End |
| | H ₁ 0+00 = A, 13+20.4 | | 5.43 | 381.97 |
| | 23+34.1 2. N. R. W. E. / Capoo Ave | | | |
| B.M. | | | 7.00 | 380.60 380.82 |

| (H ₂ 9+07.62 End of line) | | | | |
|--------------------------------------|----------------------|--------|--------|------------------------|
| T.P. | 3.67 | 396.64 | 392.97 | Stub 0+00 (MSA) 1/2 |
| | +92.62 | | | |
| 0+00 | -Let line | 3.1 | 3.5 | on stub |
| | +42.62 | 3.2 | 3.4 | |
| | 8+13.12 | | | |
| +79.5 | = 0+00 | 3.67 | 2.9 | |
| | MSA 1/2 | | | |
| 1+00 | +92.62 | 3.8 | 2.8 | |
| | 7+42.62 | 4.2 | 2.4 | |
| +50 | | | | |
| 2+00 | +92.62 | 4.9 | 1.7 | |
| | +80.62 | | | W Edge Paring |
| +12 | | 5.9 | 0.7 | |
| | +68.62 | | | Top Paring |
| +24 | | 6.4 | 0.2 | |
| | +50.72 | | | |
| +46.9 | 2 47th St. | 6.12 | 0.5 | |
| | +32.62 | | | |
| +60 | | 6.8 | 89.8 | |
| | +19.62 | | | |
| +73 | | 6.3 | 90.3 | E Edge " |
| | 6+12.62 | 5.2 | 1.4 | |
| +80 | | | | |
| 3+00 | +92.62 | 4.9 | 1.7 | |
| | 5+42.62 | 5.4 | 1.2 | |
| +50 | | | | |
| 4+00 | +92.62 | 6.1 | 0.5 | |
| | +88.22 | | | |
| +047 | 2 MSA Alley Block 42 | 6.05 | 320.59 | on stub |
| | 5 1/2 ft | | | |
| +50 | 4+42.62 | 6.4 | 0.2 | |
| | +92.62 | | | |
| 5+00 | | 6.7 | 89.9 | |
| | +67.62 | 6.9 | 9.7 | |
| +25 | | | | |
| +40 | +52.62 | 7.8 | 8.8 | |
| | +42.62 | 8.6 | 8.0 | |
| +50 | | | | |
| T.P. | 1.62 | 391.59 | 389.97 | |
| | +25.12 | | | |
| +67.5 | 2 43rd St. | 3.0 | 8.6 | |
| | 3+07.62 | 3.6 | 8.0 | |
| +95.8 | | | | |

| 391.59 | | | | |
|---------------------|--------------------|------|--------|--|
| 5+95 | +97.62 | 3.2 | 18.4 | |
| | +92.62 | 3.0 | 8.6 | |
| 6+00 | 2+42.62 | 3.0 | 8.6 | |
| | +92.62 | 4.2 | 7.4 | |
| 7+00 | +61.92 | 4.46 | 387.13 | |
| | MSA Alley Block 43 | | | |
| +30.7 | 482 ft | 4.7 | 6.9 | |
| | 1+42.62 | | | |
| +50 | | 5.3 | 6.3 | |
| 8+00 | +92.62 | 5.7 | 5.9 | |
| | +42.62 | | | |
| +50 | | 5.6 | 6.0 | |
| | +24.62 | | | |
| +68 | | 6.4 | 5.2 | |
| | +17.62 | | | |
| +75 | | 6.83 | 5.76 | |
| H ₂ 0+00 | = C.1. 38+18.95 | | | |
| | 182.62 44th St | | | |

42 Sewer Levels Sabine

| Station | TP | 5.66 | 396.25 | 390.59 | on 5705 4705.44 |
|--------------------|---------------------------|---------|--------|--------|--------------------|
| $\frac{1}{2}$ 0+00 | $= H_2$ | 4+88.22 | | | |
| +50 | | | 5.66 | 0.6 | |
| +100 | | | 5.2 | 1.0 | |
| +150 | | | 5.2 | 1.0 | |
| +200 | | | 5.1 | 1.1 | |
| +250 | | | 4.9 | 1.3 | |
| +300 | | | 4.6 | 1.6 | |
| +350 | | | 4.8 | 1.4 | |
| +400 | | | 4.7 | 1.5 | |
| +450 | | | 4.4 | 1.8 | |
| +500 | | | 4.8 | 1.4 | |
| +550 | | | 4.7 | 1.5 | |
| +600 | | | 4.2 | 2.0 | |
| +650 | | | 3.9 | 2.3 | |
| +700 | | | 3.7 | 2.5 | |
| +750 | | | 4.0 | 2.2 | |
| +795 | = Lot Line 17x18 Block 42 | | 4.0 | 2.2 | |

($\frac{1}{2}$ 6+22.5 End of line)

Sewer Levels K2 Line

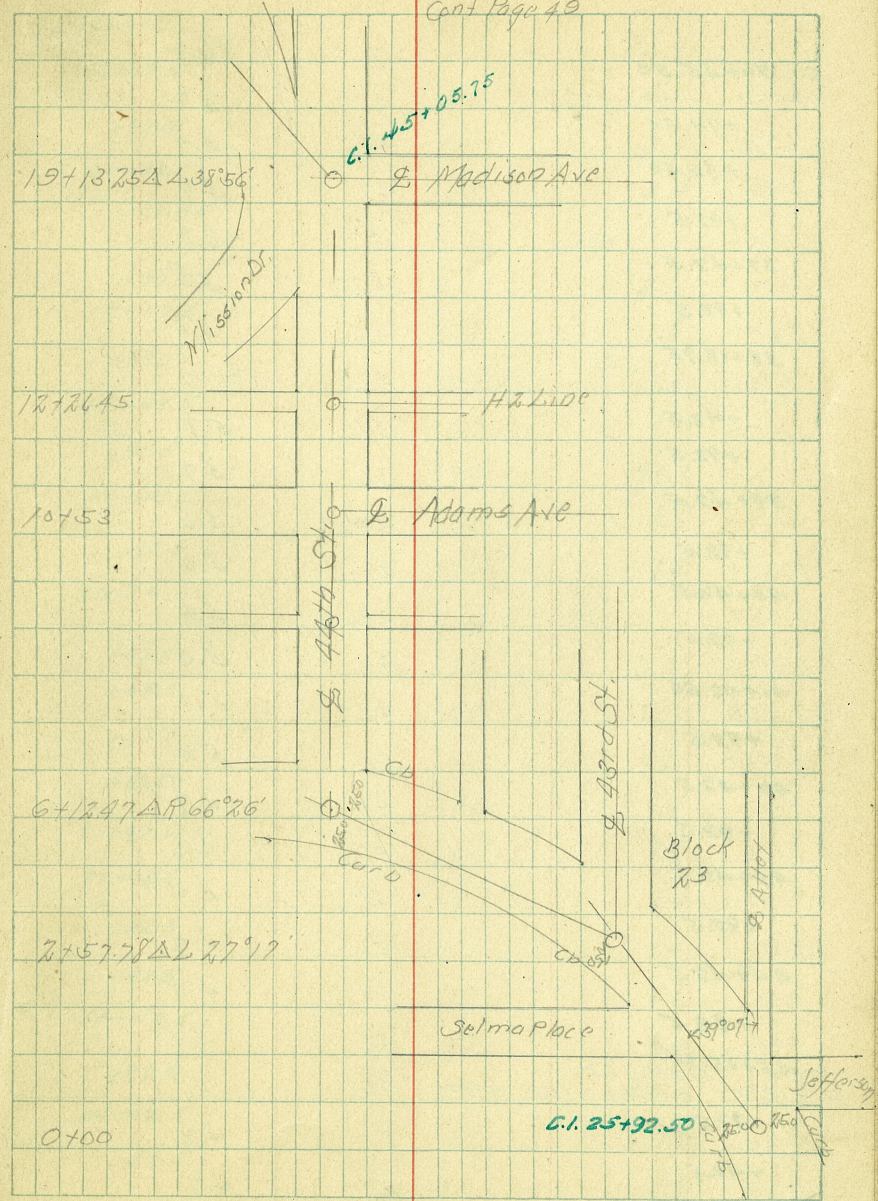
| Station | TP | 6.40 | 393.53 | 387.13 | on 5705 7130.74 |
|--------------------|---------------------------|---------|--------|--------|--------------------|
| $\frac{1}{2}$ 0+00 | $= H_2$ | 1+61.92 | | | |
| +100 | | | 6.40 | 7.1 | |
| +150 | | | 6.8 | 6.7 | |
| +200 | | | 6.2 | 7.3 | |
| +250 | | | 5.9 | 7.6 | |
| +300 | | | 6.3 | 7.2 | |
| +350 | | | 6.2 | 7.3 | |
| +400 | | | 5.9 | 7.6 | |
| +450 | | | 5.6 | 7.9 | |
| +500 | | | 5.3 | 8.2 | |
| +550 | | | 4.7 | 8.8 | |
| +600 | | | 4.5 | 9.0 | |
| +650 | | | 4.9 | 8.6 | |
| +700 | | | 4.9 | 8.6 | |
| +750 | | | 4.9 | 8.6 | |
| +800 | | | 5.0 | 8.5 | |
| +850 | | | 4.5 | 9.0 | |
| +900 | | | 4.4 | 9.1 | |
| +945 | = Lot Line 17x18 Block 43 | | 4.1 | 9.4 | |

($\frac{1}{2}$ 6+22.5 End of line)

44 Sewer Levels Central Interceptor
From E N. SAILEY Block 23 + Mission Dr to

| B.M. | 3.02 | 394.39 | 391.37 | S.M. Co. Mission Dr + Jefferson |
|---------------------------|-------------------------------------|--------|--------|------------------------------------|
| 6.1.25+92.50 | | | | |
| 0+00 | E. N. SAILEY BLK 23 + Mission Dr | 7.77 | 1.62 | on Stab |
| +50 | | 3.2 | 1.2 | |
| +92.50 | | | | |
| 1+00 | | 3.3 | 1.1 | |
| +50 | | 3.4 | 1.0 | |
| +92.50 | | | | |
| 2+00 | | 4.1 | 0.3 | |
| +57.78 Δ L 77°17' 24" 1st | | 4.6 | 0.2 | |
| +92.50 | | | | |
| 3+00 | | 5.0 | 89.4 | |
| +50 | | 6.2 | 8.2 | |
| +92.50 | | | | |
| 4+00 | | 7.3 | 7.1 | |
| +50 | | 8.2 | 6.2 | |
| +92.50 | | | | |
| 5+00 | | 9.0 | 5.4 | |
| +50 | | 9.6 | 1.8 | |
| +92.50 | | | | |
| 6+00 | | 10.2 | 4.2 | |
| T.P. 32+04.97 6.05 | | | | |
| +1247 Δ P 66°26' | 390.01 | 10.43 | 383.96 | on Stab |
| +50 | | 5.9 | 1.1 | |
| +92.50 | | | | |
| 7+00 | | 5.8 | 1.2 | |
| +50 | | 5.4 | 1.6 | |
| +92.50 | | | | |
| 8+00 | | 5.2 | 1.8 | |
| +50 | | 4.8 | 5.2 | |
| +92.50 | | | | |
| 9+00 | | 4.4 | 5.6 | |
| +50 | | 4.0 | 6.0 | |
| +92.50 | | | | |
| 10+00 | | 3.6 | 6.4 | |
| +13 | | 3.8 | 6.2 | NE Edge Paving |
| +17.50 | | | | |
| +25 | | 4.3 | 5.7 | Top |

Cont Page 49



| | | | |
|-----------------|--------|--------|------------|
| C.I. 36+45.50 | 383 | 86.2 | Top Rail |
| 10+53 Adams Ave | 385 | 6.2 | Top Paving |
| +74.50 | | | |
| +82 | 46 | 5.4 | " " |
| +85.50 | | | |
| +93 | 41 | 5.9 | SEdge |
| +92.5 | | | |
| 11+00 | 39 | 6.1 | |
| 37+42.5 | | | |
| +50 | 42 | 5.8 | |
| +92.5 | | | |
| 12+00 | 42 | 5.8 | |
| 30+18.95 | | | |
| +76.45 | 389.28 | 4.22 | 385.79 |
| -81.92.12 H | | | 385.76 |
| +42.5 | | | 45 East |
| +50 | 36 | 5.7 | 58 |
| +92.5 | | | |
| 13+00 | 36 | 5.7 | |
| 39+42.5 | | | |
| +50 | 37 | 5.6 | |
| +92.5 | | | |
| 14+00 | 38 | 5.5 | |
| 40+42.5 | | | |
| +50 | 39 | 5.4 | |
| +92.5 | | | |
| 15+00 | 40 | 5.3 | |
| 41+42.50 | | | |
| +50 | 42 | 5.1 | |
| +92.5 | | | |
| 16+00 | 43 | 5.0 | |
| 42+42.5 | | | |
| +50 | 44 | 4.9 | |
| +92.5 | | | |
| 17+00 | 47 | 4.6 | |
| 43+42.5 | | | |
| +50 | 49 | 4.4 | |
| +92.5 | | | |
| 18+00 | 51 | 4.2 | |
| 44+42.5 | | | |
| +50 | 48 | 4.5 | |
| +88.5 | | | |
| +96 | 48 | 4.5 | |
| T.P. 45+05.75 | | | |
| 19+13.75 | 452 | 384.76 | 386.97 |
| +27.5 | | | |
| +75 | 27 | 4.3 | |
| +42.5 | | | |
| +50 | 23 | 4.7 | |

| | | | | | | | | | |
|------------------------|--------|-----|--|------|--|--|--|--|--|
| C.I. 45+92.5 | 386.97 | | | | | | | | |
| 20+00 | | 23 | | 84.7 | | | | | |
| 46+42.5 | | | | | | | | | |
| +50 | | 26 | | 4.4 | | | | | |
| +92.5 | | | | | | | | | |
| 21+00 | | 31 | | 3.9 | | | | | |
| 47+42.5 | | | | | | | | | |
| +50 | | 36 | | 3.4 | | | | | |
| +64.45 | | | | | | | | | |
| 71.95 A L 30° OP | | 386 | | | | | | | |
| 2. M. G. Alley Block G | | | | | | | | | |
| +92.5 | | 44 | | 2.6 | | | | | |
| 48+42.5 | | | | | | | | | |
| +50 | | 52 | | 1.8 | | | | | |
| +92.5 | | | | | | | | | |
| 23+00 | | 59 | | 1.1 | | | | | |
| 49+42.5 | | | | | | | | | |
| +50 | | 67 | | 1.3 | | | | | |
| +92.5 | | | | | | | | | |
| 24+00 | | 74 | | 79.6 | | | | | |
| 50+42.5 | | | | | | | | | |
| +50 | | 85 | | 8.5 | | | | | |
| +92.5 | | | | | | | | | |
| 25+00 | | 92 | | 7.3 | | | | | |
| 51+12.5 C.P. | | | | | | | | | |
| T.P. 70.00 Δ P 68.97 | | | | | | | | | |
| -2.000 Δ P 68.97 | | | | | | | | | |
| +45 | | 75 | | 6.0 | | | | | |
| +97.5 | | | | | | | | | |
| +48.5 | | 69 | | 7.1 | | | | | |
| +56 | | | | | | | | | |
| +65 | | 63 | | 7.2 | | | | | |
| +88.50 | | | | | | | | | |
| +81 | | 40 | | 9.5 | | | | | |
| +92.5 | | | | | | | | | |
| 26+00 | | 40 | | 9.5 | | | | | |
| 52+19.5 | | | | | | | | | |
| +77 | | 41 | | 9.4 | | | | | |
| +52.5 | | | | | | | | | |
| +60 | | 51 | | 8.4 | | | | | |
| +92.5 | | | | | | | | | |
| 27+00 | | 49 | | 8.6 | | | | | |
| 53+42.5 | | | | | | | | | |
| +50 | | 42 | | 9.3 | | | | | |
| +92.5 | | | | | | | | | |
| 28+00 | | 38 | | 80.3 | | | | | |
| 54+42.5 | | | | | | | | | |
| +82 | | 23 | | 1.2 | | | | | |
| +10.5 | | | | | | | | | |
| +48 | | 24 | | 1.1 | | | | | |

| | | | | | |
|------|-------------------------|--------|------|--------|--------------|
| C.I. | 65+07.20 | 375.75 | | | |
| | 39+14.7 @ Olive Ave | | 21 | 73.6 | |
| | +42.5 | | 26 | 3.1 | |
| | +50 | | | | |
| | +92.5 | | | | |
| | 40+00 | | 30 | 2.7 | |
| | 66+42.9 | | | | |
| | +50 | | 33 | 2.4 | |
| | +92.5 | | | | |
| | 41+00 | | 37 | 2.0 | |
| | 67+42.5 | | | | |
| | +50 | | 39 | 1.8 | |
| | +92.5 | | | | |
| | 42+00 | | 43 | 1.1 | |
| | 68+42.5 | | | | |
| | +50 | | 47 | 1.0 | |
| | +92.5 | | | | |
| | 43+00 | | 50 | 70.7 | |
| | 69+42.5 | | | | |
| | +50 | | 52 | 0.5 | |
| | +92.5 | | | | |
| | 44+00 | | 55 | 0.2 | |
| | 70+04.6 | | | | |
| | +161 Center Mont Hole | | 58 | 69.9 | |
| | 2 E W Alley | | | | |
| | Flux Line | 13.45 | | 62.30 | |
| T.P. | 495 | 374.87 | 588 | 369.87 | |
| | +42.5 | | | | |
| | +50 | | 50 | 9.8 | |
| | +92.5 | | | | |
| | 45+00 | | 53 | 9.5 | |
| | 71+54.5 | | | | |
| | +62 | | 58 | 9.0 | 8 E W Alley |
| | +79.5 | | | | |
| | +87 | | 63 | 9.5 | TOP |
| | +92.5 | | | | |
| | 46+00 | | 58 | 9.0 | " " |
| | 72+14.5 | | | | |
| | +120 @ Center Mont Hole | | 506 | 9.8 | " " |
| | 2 Thomas + El Cajon | | | | |
| | Flux Line | 13.66 | | 61.20 | |
| T.P. | 619 | 378.83 | 218 | 372.64 | DN. 21 Cajon |
| | | | | | + Rec'd St. |
| B.M. | | | 5.58 | 373.25 | 372.50 |

5% Sewer Levels G/L line

Alley Block G between 44th & 45th St

From Lot Line 18419 to Center Missouri Dr.

(G₂ 4+56.85 End of line)

Location Page 49

| T.P. | | 388.01 | 388.11 | on stop 217125 EN |
|-------------------------------------|---------------------------------|--------|--------|----------------------|
| 0+00 | +46.85 - Lot Line 18419 to G | 3.5 | 4.5 | |
| +10 | +36.85 | 3.1 | 4.9 | |
| +30 | 4+16.85 | 3.6 | 4.2 | |
| +50 | +96.85 | 3.6 | 4.2 | |
| +700 | 3+46.85 | 3.5 | 4.5 | |
| +50 | +96.85 | 3.4 | 4.2 | |
| 2+00 | 2+46.85 | 4.3 | 3.7 | |
| +50 | +96.85 | 4.9 | 3.1 | |
| 3+00 | 1+46.85 | 4.9 | 3.1 | |
| +50 | +96.85 | 4.7 | 3.3 | |
| +87 | +64.85 | 4.9 | 3.1 | |
| 4+00 | +46.85 | 5.1 | 2.9 | |
| +15 | +31.85 | 5.9 | 2.1 | |
| +20 | +26.85 | 5.7 | 2.6 | |
| +35 | +11.85 | 4.9 | 3.1 | |
| G ₂ 0+00 = C.I. 47+64.45 | +46.85 | 4.90 | 3.1 | |
| | - 217125 EN | | | |

Sewer Levels

Center Madison Ave Between 41st & 42nd St

397.61

Location Page 55

| Y ₂ 0+00 0+15.0 | | 4.5 | 93.1 |
|--|--|------|------|
| 0+00 - Lot Line 21487 | | | |
| & Madison | | | |
| +30 0+45.0 | | 4.4 | 3.2 |
| Y ₂ 0+82.5 = B ₂ 18+70.5 | | 4.31 | 3.3 |
| +17.5 = 2 1/2' Max. Vep | | | |
| - 0.4885 from base | | | |

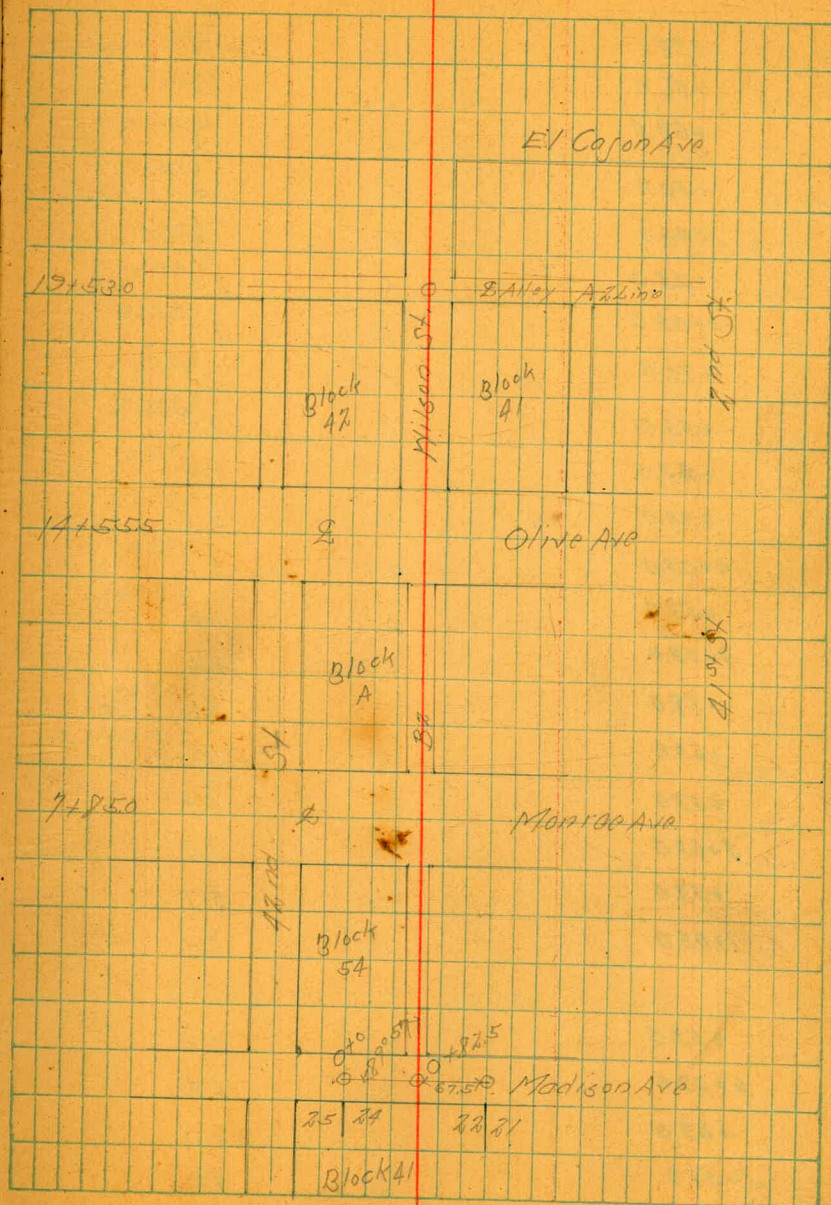
Sewer Levels BA Line

Alley Blocks A + Center Wilson St

From 2nd Madison Ave. to Elm Alley North El Cajon Ave

| T.P. | 5.08 | 397.64 | 397.56 | Stub at 2+61.2 Madison Ave on Stub |
|-------|--|--------|--------|---|
| | (Y ₂ 1+80.0 = End of line) | | | |
| 0+00 | Y ₂ 1+05.00 | 4.17 | 3.5 | |
| +50 | Y ₂ 1+15.00 | 4.3 | 3.3 | |
| +82.5 | B ₂ 10 + 70.5 = Y ₂ 0 + 82.5 | 4.31 | 3.2 | on Stub |
| 1+00 | +53.0 | 5.0 | 2.4 | |
| +06 | +47.0 | 4.2 | 3.4 | |
| T.P. | 4.27 | 398.13 | 398.14 | |
| +50 | 18+03.0 | 3.4 | 4.7 | |
| +83 | +70.0 | 2.8 | 5.3 | |
| 2+00 | +53.0 | 3.3 | 4.8 | |
| +50 | 17+03.0 | 3.9 | 4.2 | |
| 3+00 | +53.0 | 4.2 | 3.9 | |
| +30 | +73.0 | 3.9 | 4.2 | |
| +40 | +13.0 | 3.9 | 4.2 | |
| +50 | 16+03.0 | 4.4 | 3.5 | |
| 4+00 | +53.0 | 4.8 | 3.0 | |
| +50 | 15+03.0 | 5.2 | 2.9 | |
| 5+00 | +53.0 | 5.3 | 2.8 | |
| +50 | 14+03.0 | 5.4 | 2.7 | |
| 6+00 | +53.0 | 5.5 | 2.6 | |
| +33 | +28.0 | 5.2 | 2.9 | |
| T.P. | 3.74 | 396.56 | 396.22 | |
| +50 | 13+03.0 | 3.8 | 2.8 | |
| 7+00 | +53.0 | 4.2 | 2.4 | |
| +50 | B ₂ 12+03.0 | 4.2 | 2.4 | |

Terrell Heights



Somer Levels Cont. "B₂"

| | | | | |
|-------|--------------|--------|------|--------|
| | | 396.56 | | |
| 7+60 | +93.0 | | 48 | 91.8 |
| | +86.0 | | 56 | 1.0 |
| | +68.0 | | | |
| +85 | 8 Monroc Ave | | 5.1 | 1.5 |
| 8+03 | +50.0 | | 5.3 | 1.3 |
| | +44.0 | | 5.0 | 1.6 |
| +78 | +25.0 | | 4.3 | 2.3 |
| | 11+03.0 | | 4.4 | 2.2 |
| +80 | +73.0 | | 4.5 | 2.1 |
| 9+00 | +53.0 | | 4.1 | 2.5 |
| | +43.0 | | 3.7 | 2.9 |
| +33 | +20.0 | | 4.5 | 2.1 |
| | 10+03.0 | | 4.5 | 2.1 |
| 10+00 | +53.0 | | 5.0 | 1.6 |
| | 9+03.0 | | 5.2 | 1.4 |
| +65 | +89.0 | | 5.0 | 1.6 |
| | +63.0 | | 5.8 | 0.8 |
| 11+00 | +53.0 | | 5.7 | 0.9 |
| | 8+03.0 | | 5.6 | 1.0 |
| 12+00 | +53.0 | | 5.9 | 0.7 |
| | 7+03.0 | | 6.2 | 0.4 |
| T.P. | 0.70 | 391.23 | 6.03 | 390.53 |
| 13+00 | +53.0 | | 0.8 | 0.4 |
| | 6+03.0 | | 1.2 | 0.0 |
| +90 | +63.0 | | 1.9 | 89.3 |
| 14+00 | 5+53.0 | | 2.2 | 9.0 |

391.23

| | | | | |
|----------------|----------|-----------|--------|---------|
| 14+12 | +35.0 | | 3.0 | 88.2 |
| | +26.0 | | 3.1 | 8.1 |
| | 5+16.0 | | 3.6 | 7.6 |
| | +97.5 | | 3.5 | 7.7 |
| 15+59 | Manufact | | 3.1 | 7.6 |
| | +59.0 | | | |
| | +46.0 | | 4.1 | 7.1 |
| 15+09 | 4+03.0 | | 4.5 | 6.7 |
| | +53.0 | | 5.0 | 6.2 |
| 16+00 | 3+03.0 | | 5.5 | 5.7 |
| | +53.0 | | 6.1 | 5.1 |
| 17+00 | 2+03.0 | | 6.7 | 4.5 |
| | +53.0 | | 7.1 | 4.1 |
| 18+00 | 1+03.0 | | 7.6 | 3.6 |
| | +53.0 | 2.25 | 3.8586 | 7.62 |
| T.P. | | | | 383.11 |
| 19+00 | | | 2.8 | 3.1 |
| B ₂ | 0+00 | | 3.36 | 387.50 |
| | +53.0 | EVX Alley | | on stub |
| | | 12x100 | | |
| B ₁ | | | 6.03 | 399.13 |
| | | | | 391.23 |

391.23
390.53

60. Server Levels Block 28

From E. EX Alley to 10.0 So. N. Carb Adams Ave.
3.0 East of Center

Location Page 59

S. H. Cor

| | | | | | |
|--------|-------------------------------|--------|-------|--------|------------|
| B.M. | 7.37 | 396.62 | | 389.25 | Adams + 38 |
| T.P. | 10.72 | 403.49 | 3.85 | 392.77 | |
| 0+00 | E. EX Alley | | 11.5 | | |
| +50 | | | 11.3 | | |
| 1+00 | | | 11.5 | | |
| +50 | | | 12.0 | | |
| 2+00 | | | 11.8 | | |
| T.P. | 3.85 | 396.62 | 10.72 | 392.77 | |
| +50 | | | 5.1 | | |
| 3+00 | | | 5.6 | | |
| +50 | | | 5.7 | | |
| +75 | | | 5.9 | | |
| +85 | | | 7.5 | | |
| +95 | | | 7.53 | | Top Carb |
| +96 | | | 8.1 | | " Paring |
| 4+04.5 | 10.0 So. N. Carb Adams Ave | | 7.73 | | " " |

61. Server Levels Block 27

From E. EX Alley to 10.0 So. N. Carb Adams Ave.
3.0 West of Center

Location Page 63

S. H. Cor

| | | | | | |
|--------|-------------------------------|--------|-------|--------|------------|
| B.M. | 7.41 | 396.66 | | 389.25 | Adams + 38 |
| T.P. | 10.39 | 405.25 | 1.80 | 394.86 | |
| 0+00 | E. EX Alley | | 12.5 | | |
| +50 | | | 12.1 | | |
| 1+00 | | | 12.3 | | |
| +50 | | | 12.9 | | |
| 2+00 | | | 12.5 | | |
| T.P. | 1.80 | 396.66 | 10.39 | 394.86 | |
| +50 | | | 4.1 | | |
| 3+00 | | | 4.6 | | |
| +50 | | | 4.0 | | |
| +75 | | | 4.2 | | |
| +85 | | | 5.5 | | |
| +95 | | | 5.64 | | Top Carb |
| +96 | | | 6.6 | | " Paring |
| 4+04.5 | 10.0 So. N. Carb Adams Ave | | 6.28 | | " " |

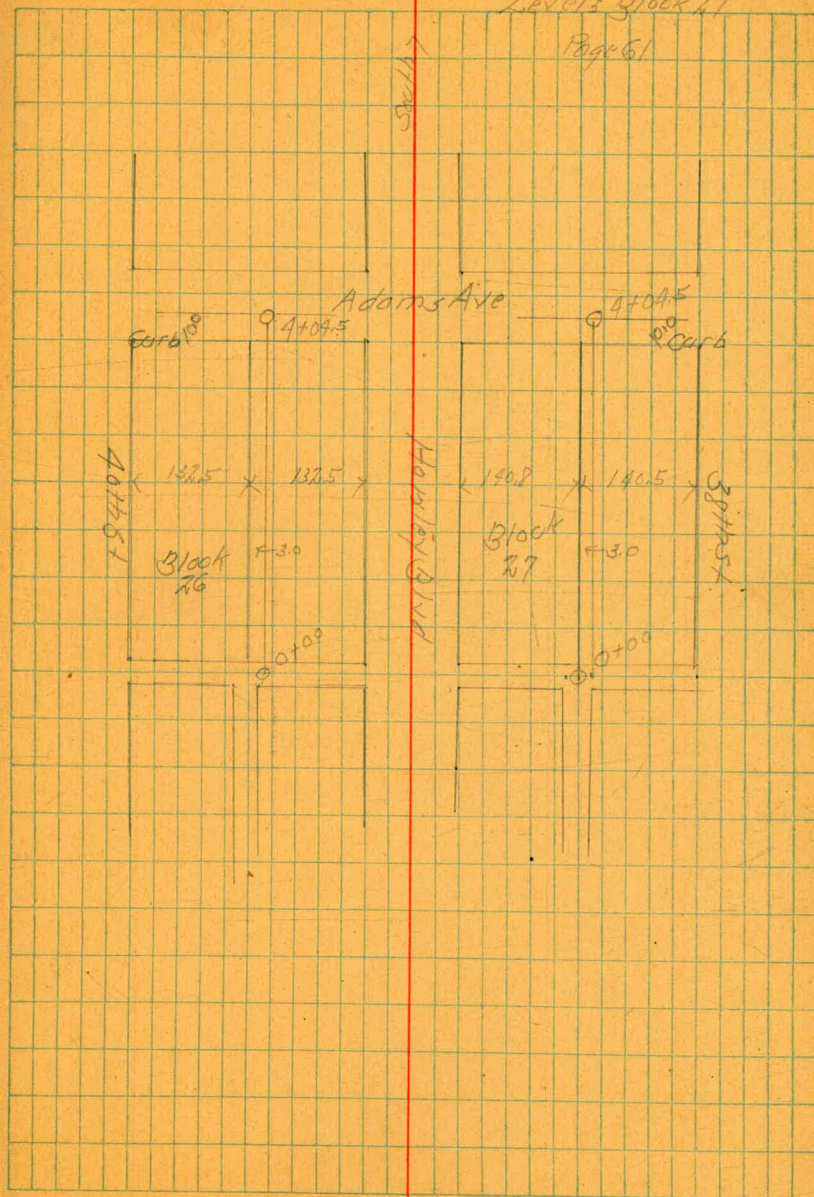
62 Server Levels Block 26

From S.E. W. Alley to 10.0 So. N. Curb Adams Ave.
3.00 feet Center

| | | | | | |
|--------|------------------------------|--------|------|--------|-----------------------|
| B.M. | 4.95 | 397.73 | | 392.78 | SE. Cor Adams x 48 |
| T.P. | 4.04 | 398.37 | 3.40 | 394.33 | |
| 0+00 | S. E. W. Alley | | 4.7 | | |
| +50 | | | 5.0 | | |
| 1+00 | | | 5.0 | | |
| +50 | | | 5.0 | | |
| 2+00 | | | 5.0 | | |
| +50 | | | 5.0 | | |
| T.P. | 3.40 | 397.73 | 4.04 | 394.33 | |
| 3+00 | | | 4.5 | | |
| +50 | | | 4.8 | | |
| +78 | | | 5.3 | | |
| +85 | | | 5.8 | | |
| +95 | | | 5.91 | | Top Curb |
| +96 | | | 6.35 | | " Paving |
| 4+04.5 | 10.0 S. N. Curb Adams Ave | | 6.01 | | " " |

Levels Block 27

Page 61



64 Sewer Levels Block 29
West Center

Forward Page 58

Location Page 59

| | 651 | 393.22 | 386.71 | 393.22 |
|-------------|-----|--------|--------|--------------------------------|
| | | | | SN Cor Adams 138 th |
| 3+37.5 | | | 2.1 | |
| 4+00 | | | 2.0 | |
| +50 | | | 2.5 | |
| 5+00 | | | 2.9 | |
| +50 | | | 3.1 | |
| 6+00 | | | 3.6 | |
| +50 | | | 3.9 | |
| 7+00 | | | 4.1 | |
| +50 | | | 4.9 | |
| +77 | | | 5.71 | Top Corb |
| +78 | | | 6.35 | " Paving |
| +82.5 = 100 | | | 5.98 | " " |
| | | | | SN Corb Adams Ave |

Sewer Levels Block 29
East Center

65

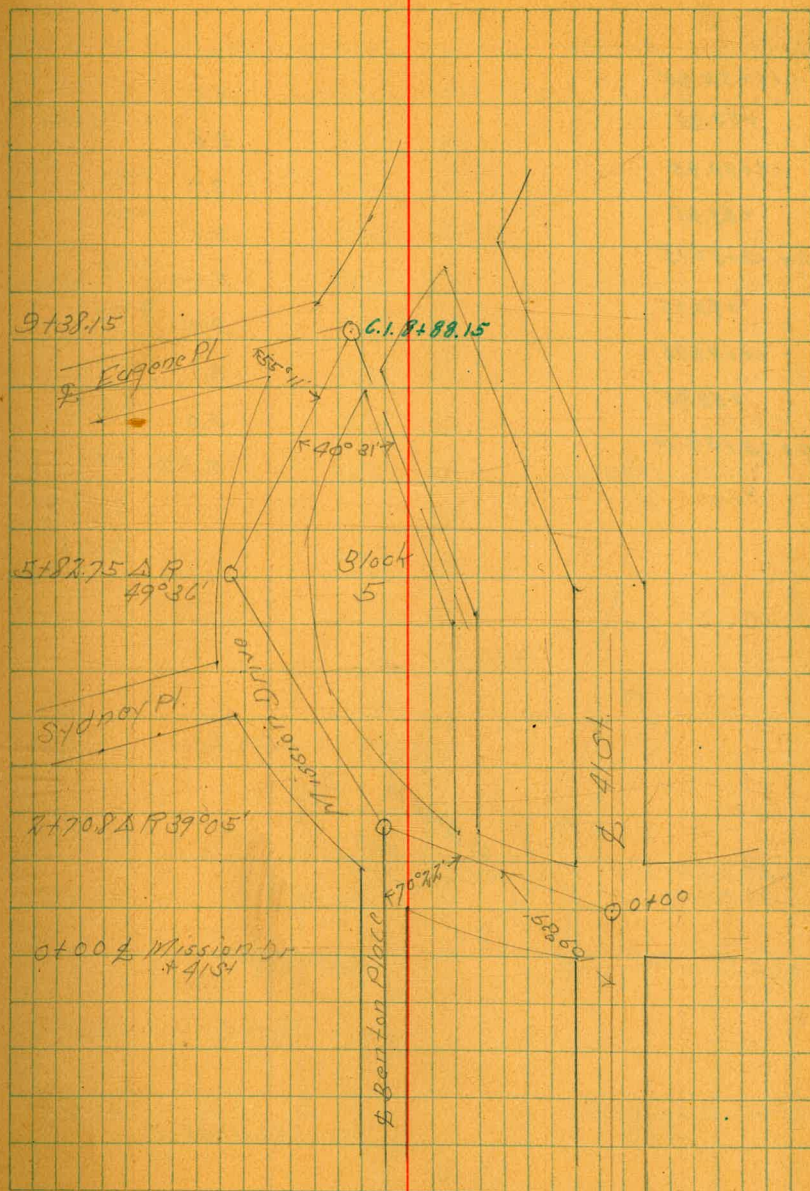
393.22

Location Page 59

| | 393.22 | 391.0 | 386.71 |
|---------------------|--------|-------|--------|
| 2+0+00 = N 4+5.00 | | | |
| 0+00 | 2.2 | 91.0 | 0.0546 |
| +37.5 | | | |
| +34.5 Afford | 2.1 | 1.1 | |
| 1+00 | 2.2 | 1.0 | |
| +40 | 2.5 | 0.7 | |
| 2+80 | 2.7 | 0.5 | |
| 2+190.0 End of line | | | |

Central Interceptor From 241st to 2 Eugene Pl

| BM | 485 | 400.27 | 395.42 | SW Cr. Mission Dr. 41st |
|-----------|-------------------|--------|--------|----------------------------|
| 0+00 | 2 Mission Dr 41st | 4.42 | 5.8 | on Stab |
| C.I. 0+00 | | 4.8 | 5.4 | |
| +50 | | 5.4 | 4.8 | |
| +50 | | 5.4 | 4.8 | |
| 1+00 | | 5.6 | 4.6 | |
| +50 | | 5.4 | 4.8 | |
| +50 | | 5.2 | 5.1 | |
| 2+00 | | 5.15 | 5.1 | on Stab |
| +50 | 2 Benton Place | 5.6 | 4.7 | |
| 3+00 | | 6.1 | 4.2 | |
| +50 | | 6.09 | 3.94.8 | |
| T.P. | 376 | 397.94 | 6.09 | 394.8 |
| +50 | | 4.1 | 3.9 | |
| 4+00 | | 4.2 | 3.7 | |
| +50 | | 4.0 | 3.9 | |
| 5+00 | | 3.9 | 4.0 | |
| +97 | | 4.54 | 3.1 | on Stab |
| +47 | | 4.5 | 3.4 | |
| 5+32.75 | | 4.7 | 3.2 | |
| +82.75 | Δ R 49°36' | 5.3 | 2.6 | |
| +50 | | 5.6 | 2.3 | |
| 6+00 | | 5.6 | 2.3 | |
| +50 | | 6.1 | 1.8 | |
| 7+00 | | 6.1 | 1.8 | |
| +50 | | 6.61 | 3.933 | on Stab |
| +88.15 | | 6.61 | 3.933 | on Stab |
| T.P. | 3815 | 396.88 | 6.61 | 3933 |
| +5.54 | | 5.05 | 3.91 | SW Cr. Arthur 1st |
| B.M. | | 5.05 | 3.91 | |

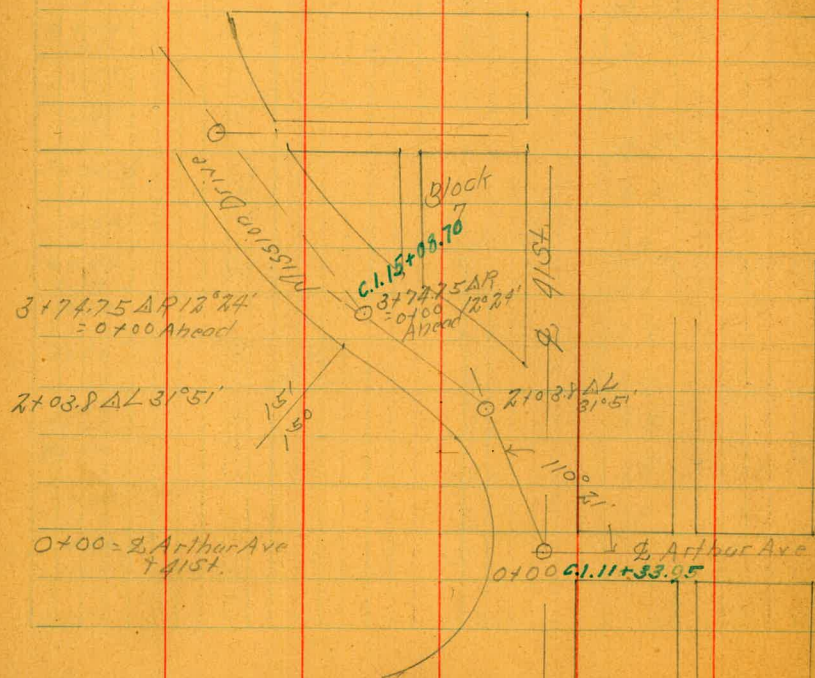


68. Server Levels

Central Interceptor

From 2 Arthur + 41st to 0+00 Starting at Line 150 - 1st Block B

| BM | 631 | 398.16 | 391.90 | SEC |
|--------------|--------------|--------|--------|-------------|
| C.1.11+33.95 | | | | Arthur 41st |
| 0+00 | 2 Arthur Ave | 6.02 | 2.1 | |
| +83.95 | 41st | | | |
| +50 | | 6.2 | 2.0 | |
| 12+33.95 | | | | |
| +00 | | 6.2 | 2.0 | |
| +83.95 | | | | |
| +50 | | 5.7 | 2.0 | |
| C.1.13+37.75 | | | | |
| 2+03.8 | ΔL 31°51' | 4.89 | 3.27 | On Stab |
| +83.95 | | | | |
| +50 | | 4.9 | 3.3 | |
| 14+33.95 | | | | |
| 3+00 | | 5.1 | 3.1 | |
| +83.95 | | | | |
| +50 | | 5.2 | 3.0 | |
| C.1.15+08.70 | | | | |
| +74.75 | ΔR 12°24' | 5.34 | 2.82 | |
| -0+00 | | | | |



Server Levels

East Alley Block 24 + 23

| BM | 5.40 | 395.47 | 390.07 | SEC |
|----------|------------|--------|----------|---------|
| 0+00 | East Alley | | 4.3 | |
| 8+50 | Block 24 | | | |
| +50 | | | 4.0 | |
| 17+00 | | | | |
| +95.0 | | | 3.6 | |
| +39.0 | | | 4.4 | |
| +51.0 | | | 5.4 | |
| +44 | | | | |
| +32.4 | | | 4.6 | |
| +62.5 | 2 Arthur | | | |
| +15.4 | | | 5.3 | |
| +80 | | | 4.6 | |
| 7+05.4 | | | | |
| -90 | | | 4.7 | |
| +95.4 | | | 4.8 | |
| 2+00 | | | 5.1 | |
| 3+00 | | | | |
| 2+5+70.0 | | | 5.2 | On Stab |
| +15.4 | East Alley | | | |
| | Block 23 | | | |
| | | | 43rd St. | |
| 3+25.4 | East Alley | | | |
| | | | | |
| | Block 23 | | | |
| 1+62.5 | | | 47rd St. | |
| | | | | |
| | Block 24 | | | |
| 0+00 | East Alley | | | |
| | | | | |
| | | | 41st. | |

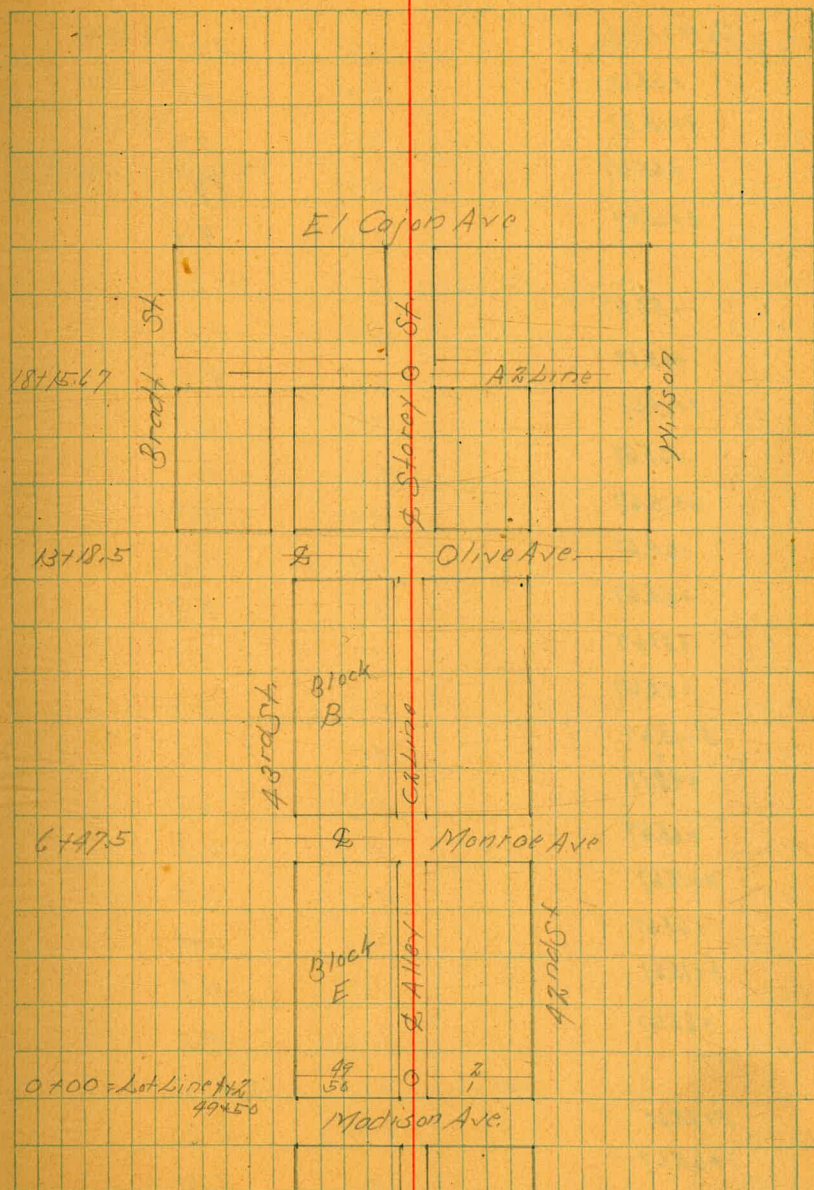
Adams Ave.

70 Server Levels C/Line
 From Lot Line to Block E to 2 Storey St + Ely Alley
 North El Cajon

Toronto Heights

71

| B.M. | 4.58 | 396.09 | 391.51 | SE Cor Monroe Ave & 4th |
|-------------------|---|--------|--------|----------------------------|
| | (C ₂ 18 + 25.67 End of line) | | | |
| T.P. | 5.15 | 396.80 | 4.44 | 391.65 |
| 0+00 | 18+15.67 = Lot Line to Block E | | 4.5 | 2.3 |
| +50 | +65.67 | | 5.0 | 1.8 |
| 1+00 | 17+15.67 | | 4.7 | 2.1 |
| +50 | +65.67 | | 4.6 | 2.2 |
| 2+00 | 16+15.67 | | 4.7 | 2.1 |
| +50 | +65.67 | | 4.6 | 2.2 |
| 3+00 | 15+15.67 | | 5.0 | 1.8 |
| +50 | +65.67 | | 5.3 | 1.5 |
| 4+00 | 14+15.67 | | 5.1 | 1.7 |
| +50 | +65.67 | | 5.2 | 1.6 |
| T.P. | 3.83 | 395.38 | 5.25 | 391.55 |
| 5+00 | 13+15.67 | | 4.1 | 1.3 |
| +50 | +65.67 | | 4.1 | 1.3 |
| 6+00 | +15.67 | | 4.0 | 1.4 |
| +15 | 12+00.67 | | 4.2 | 1.2 |
| +22 | +93.67 | | 4.7 | 0.7 |
| +30 | +85.67 | | 5.4 | 90.0 |
| +47.5 | +68.17 to Monroe Ave | | 4.9 | 0.5 |
| +65 | +50.67 | | 5.6 | 89.8 |
| +72 | +43.67 | | 4.7 | 90.7 |
| +84 | +31.67 | | 4.3 | 1.1 |
| 7+00 | 11+15.67 | | 4.2 | 1.2 |
| C ₂ 10 | +65.67 | | 4.6 | 0.8 |
| +50 | | | | |



| | | 39538 | | |
|-------|-------------------------|--------|------|--------|
| 8+00 | C ₂ 10+15.67 | | 4.6 | 90.8 |
| | +65.67 | | 4.9 | 0.5 |
| 9+00 | 9+15.67 | | 5.4 | 0.0 |
| | +65.67 | | 5.9 | 89.5 |
| 10+00 | 8+15.67 | | 6.0 | 9.4 |
| T.P. | 1.90 | 391.12 | 6.15 | 389.23 |
| | +89.67 | | 2.0 | 9.1 |
| | +65.67 | | 2.5 | 8.6 |
| 11+00 | 7+15.67 | | 2.7 | 8.1 |
| | +65.67 | | 3.0 | 8.1 |
| 12+00 | 6+15.67 | | 3.3 | 7.8 |
| | +65.67 | | 3.5 | 7.6 |
| | +45.67 | | 3.6 | 7.5 |
| | +31.67 | | 4.0 | 7.1 |
| | +25.67 | | 4.9 | 6.2 |
| 13+00 | 5+15.67 | | 4.6 | 6.5 |
| | +99.17 | | 4.2 | 6.9 |
| | 3 Olive Ave | | 4.4 | 6.7 |
| | +65.67 | | 5.1 | 6.0 |
| 14+00 | 4+15.67 | | 5.8 | 5.3 |
| | +65.67 | | 6.4 | 4.7 |
| 15+00 | 3+15.67 | | 7.0 | 4.1 |
| | +65.67 | | 7.07 | 384.06 |
| T.P. | 0.21 | 384.27 | 7.07 | 384.06 |
| 16+00 | 2+15.67 | | 0.7 | 3.6 |
| | +65.67 | | 1.4 | 2.9 |
| | +50 | | | |

| | | 38427 | | |
|-------|---|-------|--------|--------------------|
| 17+00 | 1+15.67 | | 2.0 | 82.1 |
| | +65.67 | | 2.8 | 1.5 |
| | +15.67 | | 3.5 | 0.8 |
| 18+00 | C ₂ 0+00 = A ₂ 13+15.30 | | 3.83 | 0.44 |
| | +15.67 EXHALL | | | |
| | Albino | | | |
| B.M. | | 655 | 377.72 | 377.94 |
| | | | | S.M. Cor. ETC 1000 |
| | | | | + STOREY |

| | | | | | |
|-----------------------|------------------------|--------|------|--------|-----------|
| | | 393.81 | | | |
| 8+00 | D ₂ 10+16.0 | | 57 | 88.1 | |
| +50 | +66.0 | | 6.3 | 7.5 | |
| 9+00 | 9+16.0 | | 6.5 | 7.3 | |
| T.P. | 2.27 | 390.67 | 5.41 | 388.40 | 161176.86 |
| +50 | 8+66.0 | | 3.4 | 7.3 | |
| 10+00 | 8+16.0 | | 4.1 | 6.6 | |
| +50 | +66.0 | | 4.3 | 6.4 | |
| 11+00 | 7+16.0 | | 4.6 | 6.1 | |
| +50 | +66.0 | | 4.8 | 5.9 | |
| 12+00 | 6+16.0 | | 5.0 | 5.7 | |
| +62 | +54.0 | | 4.8 | 5.9 | |
| +83 | +33.0 | | 5.7 | 5.0 | |
| +90 | +26.0 | | 6.6 | 4.1 | |
| 13+00 | 5+16.0 | | 5.9 | 4.8 | |
| +18.5 | +97.5 | | 5.5 | 5.2 | |
| +65 | 8 Olive Ave | | 5.8 | 4.8 | |
| +57.0 | | | 6.4 | 4.3 | |
| 14+00 | 4+16.0 | | 7.0 | 3.7 | |
| +50 | +66.0 | | | | |
| T.P. | 0.98 | 384.66 | 6.99 | 383.68 | |
| 15+00 | 3+16.0 | | 1.5 | 3.2 | |
| +50 | +66.0 | | 2.3 | 2.3 | |
| 16+00 | 2+16.0 | | 2.9 | 1.8 | |
| +50 | +66.0 | | 3.7 | 1.0 | |
| 17+00 | 1+16.0 | | 4.2 | 0.5 | |
| D ₂ 0+66.0 | | | 5.0 | 79.7 | |
| +50 | | | | | |

| | | | | | |
|---|-------|--------|------|------|--|
| | | 384.66 | | | |
| 18+00 | +16.0 | | 5.8 | 78.9 | |
| D ₂ 0+00 = A ₂ 9+90.1 | | | 6.05 | 8.63 | |
| +16.0 = F/M Alley | | | | | |
| As Above | | | | | |
| B.M. | | | | | |

76 Server Levels Azline
Center Alley North El Cajon
From Lot Line 2041 Block 41 to Center Thomas St

| BM | (A ₂ 18+87.8 End Line) | | | 379.60 Pacific 2040 |
|-------|-----------------------------------|--------|--------|------------------------|
| 0+00 | +77.8 | 35 | 3.3 | |
| +36 | +41.8 | 36 | 3.2 | |
| +50 | +27.8 | 34 | 3.4 | |
| T.P. | 376 | 387.37 | 383 | 383.11 |
| +70 | 18+07.8 | 37 | 3.7 | |
| +80 | +97.8 | 30 | 4.4 | |
| | +77.8 | | | |
| 1+00 | 17+27.8 | 38 | 4.2 | |
| +50 | +77.8 | 34 | 4.0 | |
| 2+00 | +63.8 | 37 | 3.7 | |
| +14 | +57.8 | 47 | 2.7 | |
| +30 | +40.3 | 56 | 1.8 | |
| +37.5 | 20+15.0 St | 48 | 386.58 | on Stab |
| +55 | +22.8 | 57 | 1.7 | |
| +61 | +16.8 | 49 | 2.5 | |
| +70 | 16+07.8 | 45 | 2.9 | |
| 3+00 | +72.8 | 45 | 2.9 | |
| +50 | 15+27.8 | 47 | 2.7 | |
| 4+00 | +77.8 | 57 | 2.2 | |
| +50 | 14+27.8 | 56 | 1.8 | |
| 5+00 | +77.8 | 62 | 1.2 | |
| +27 | +50.8 | 65 | 0.9 | |
| +38 | +39.8 | 67 | 0.8 | |
| +45 | +32.8 | 77 | 79.7 | |
| T.P. | A ₂ 13+15.3 | 357 | 383.99 | on Stab |
| +62.5 | 20 Storey St | 62.5 | 380.42 | on Stab |

85
8.17.24
AS 5500
120.55
67.00

| | | |
|----------------------|---|----------------|
| 18+838 | Central & Intercenter East 1/2 of M.P. | Thomas St |
| 17+204 B.M. | Alley 212.0 | Block 46 |
| 15+578 | Falkine St | Reed St |
| | | Block 25 |
| 13+2795 | Falkine St | 3rd St |
| | | Block 44 |
| 8+877 | Dabine St | Brad St |
| | | Block 43 |
| 5+625 | Cabiae St | Storey St |
| | | Block 42 |
| 2+37.5 | 3rd Line St | Hilso St |
| | | Block 41 |
| 0+00 = Lot line 2041 | | 21 20 19 |

2nd St.

| | | | | |
|-------|---------|--------|------|--------|
| | | 383.99 | | |
| 5481 | +96.8 | | 4.6 | 79.39 |
| +87 | +90.8 | | 3.7 | 80.29 |
| 6+00 | +77.8 | | 3.0 | 1.0 |
| +50 | 12+27.8 | | 3.3 | 0.7 |
| 7+00 | +77.8 | | 3.8 | 0.2 |
| +40 | +37.8 | | 3.3 | 0.7 |
| +47 | +30.8 | | 3.3 | 0.7 |
| +57 | 11+20.8 | | 4.1 | 79.9 |
| 8+00 | +77.8 | | 4.6 | 9.4 |
| +50 | +27.8 | | 4.9 | 9.1 |
| +63 | +14.8 | | 5.1 | 8.9 |
| +70 | 10+07.8 | | 5.9 | 8.1 |
| +877 | +90.1 | | 5.39 | 8.6 |
| 9+05 | +72.8 | | 6.3 | 7.7 |
| +12 | +65.8 | | 5.4 | 8.6 |
| +50 | 9+27.8 | | 5.4 | 8.6 |
| 10+00 | +77.8 | | 5.7 | 8.3 |
| +33 | +44.8 | | 5.4 | 8.6 |
| +50 | 8+27.8 | | 4.5 | 9.5 |
| 11+00 | +77.8 | | 5.7 | 8.8 |
| T.P. | 1.17 | 380.08 | 5.08 | 378.91 |
| +50 | 7+27.8 | | 1.5 | 8.6 |
| +78 | +89.8 | | 2.1 | 8.0 |
| +92 | +85.8 | | 3.1 | 7.0 |
| +95 | 6+82.8 | | 3.8 | 6.3 |

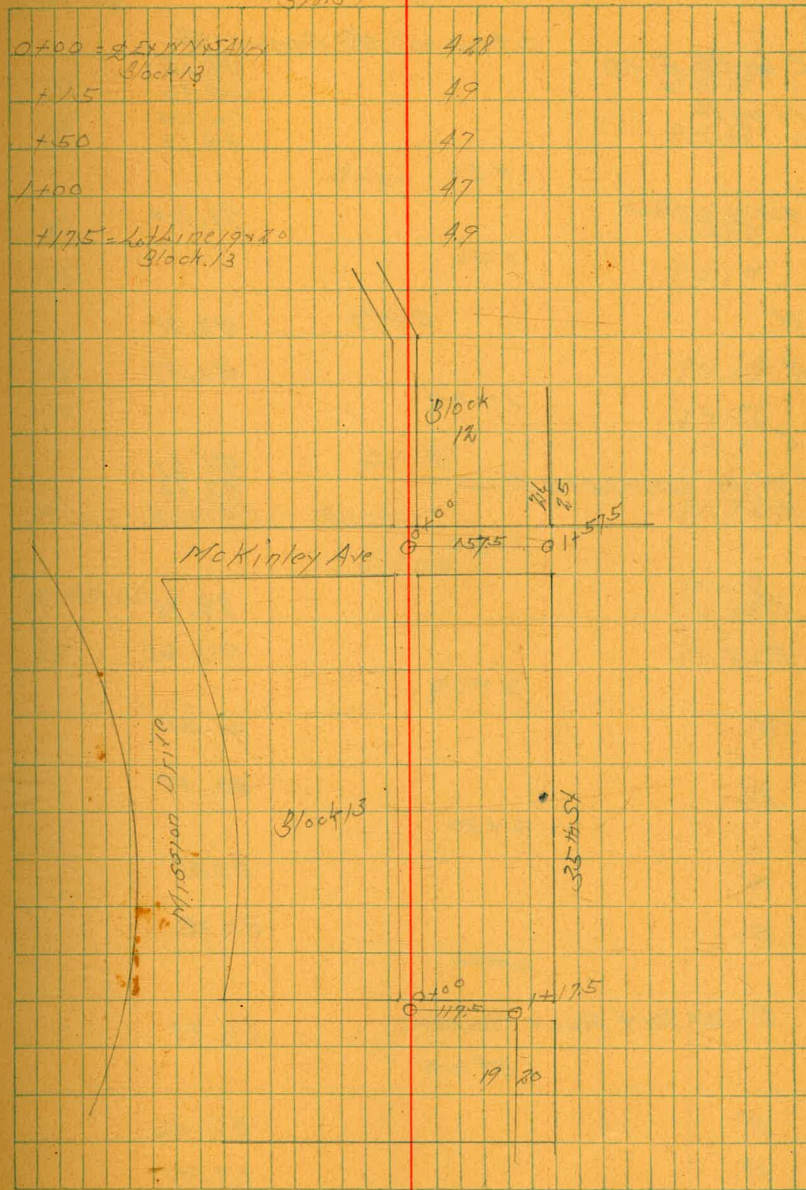
| | | | | |
|----------------|------------|--------|------|--------|
| | | 380.08 | | |
| A ₂ | 6+55.05 | | | |
| 12+00 | +27.8 | | 3.19 | 76.9 |
| +50 | 6+20.8 | | 4.3 | 5.8 |
| +57 | +77.8 | | 3.5 | 6.6 |
| 13+00 | +42.8 | | 3.6 | 6.5 |
| +35 | 5+27.8 | | 4.3 | 5.8 |
| +50 | +82.8 | | 4.5 | 5.6 |
| +95 | +77.8 | | 4.8 | 5.3 |
| 14+00 | +27.8 | | 5.1 | 5.0 |
| +50 | 4+12.8 | | 6.3 | 3.8 |
| +65 | +77.8 | | 6.7 | 3.4 |
| 15+00 | +52.8 | | 6.8 | 3.3 |
| +85 | +47.8 | | 6.1 | 4.0 |
| +34 | +43.8 | | 6.3 | 3.8 |
| +39 | 13.8.8 | | 7.0 | 3.1 |
| T.P. | +20.0 1.24 | 374.94 | 6.38 | 373.70 |
| +578 | 3+01.8 | | 8.1 | 2.8 |
| +70 | +95.8 | | 1.6 | 3.3 |
| +82 | +92.8 | | 1.6 | 3.3 |
| +85 | +82.8 | | 2.5 | 2.4 |
| +95 | +77.8 | | 2.7 | 2.2 |
| 16+00 | +34.8 | | 3.2 | 1.7 |
| +43 | 2+27.8 | | 3.6 | 1.3 |
| +50 | +82.8 | | 4.1 | 0.8 |
| +95 | 1+70.8 | | 4.0 | 0.9 |
| 17+00 | | | | |

| | 1+57.2 | 37494 | | |
|---------|--------------------------|-------|-------|------------|
| 17+10.4 | Center M.H. Mrs Alley | 450 | 70.4 | Top Ring |
| | Floor Line | 913 | 65.81 | Floor Line |
| +5.0 | 1+27.8 | 470 | 70.2 | |
| | +77.8 | | | |
| 18+100 | +35.8 | 51 | 69.8 | |
| +4.7 | +22.8 | 54 | 9.5 | |
| +5.5 | +17.8 | 49 | 70.0 | |
| +6.0 | | 5.0 | 69.9 | |
| | Az 0+12.8 | | | |
| +6.5 | | 55 | 9.4 | |
| | L Thomas | | | |
| +78.8 | Center M.H. | 48 | 70.1 | |
| | - 441.51 | | | |
| | Center Interceptor | 1266 | 62.28 | Floor Line |

Sewer Levels
Center-McKinley Ave. West 35th St.
From S. N. S. Alley to Lot Line 25th St Block 13

| | | | | |
|--|-----|--------|--------|----------------------------|
| B.M. | 377 | 397.68 | 393.91 | SE McKinley Mission Dr. |
| 0+00 = S. McKinley N. S. Alley Block 13 | | 4.10 | | on Stake |
| +150 | | 4.4 | | |
| +100 | | 4.4 | | |
| +157.5 Lot Line 25th St Block 13 | | 4.6 | | |
| T.P. | 338 | 398.34 | 2.72 | 394.96 |

Sewer Levels - Normal Heights
East West Alley Block 13
From S. N. S. Alley to Lot Line 19th St Block 13
395.34



Alley in Block 10, La Jolla Park. 9/18/26
 20' wide. (Copied from Carter's) X Secs. by
 Profile Carter.

| | | |
|-------------------------|--------|---------------|
| | 0+00 = | 1/4 Pearl St. |
| E. on Ch E cb | | 95.15 |
| " " " | | 94.80 |
| W. on cb | | 94.64 |
| " " " | | 94.10 |
| | +30 | |
| W. Laundry floor | | 93.64 |
| | +50 | |
| W. | | 92.71 |
| E. | | 92.97 |
| | +100 | |
| E. Laundry floor | | 91.61 |
| W. on Laundry floor | | 92.82 |
| W. | | 91.72 |
| | +150 | |
| W. | | 89.71 |
| E. | | 90.21 |
| | +200 | |
| E. | | 88.85 |
| W. | | 88.57 |
| | +250 | |
| W. | | 87.31 |
| E. | | 87.78 |
| | +290 | |
| E. on Dirt Floor Garage | | 86.93 |
| | +300 | |
| E. | | 86.46 |
| W. | | 85.97 |

| | | |
|-------------------------|------|-------|
| | 3+50 | |
| W. | | 84.87 |
| E. | | 85.33 |
| | 4+00 | |
| E. | | 83.97 |
| W. | | 84.17 |
| | 4+50 | |
| W. | | 82.19 |
| E. | | 82.56 |
| | 4+76 | |
| E. on Dirt Floor Garage | | 81.76 |
| | 5+00 | |
| E. on cb | | 80.59 |
| " " | | 80.25 |
| W. | | 80.21 |

Sever Levels & Alley Bldg A.D.G. Montecello Sub
 Between 49th St and Niagara From 2 Monroe to 2 Poland
 Collier

| BM | 9.22 | 357.43 ✓ | | 348.21 | NE Mt E/Capitol Exhd BPSE |
|------|--------------------|----------|------|----------|---------------------------------|
| B.M. | 12.06 | 369.11 ✓ | 0.28 | 357.05 ✓ | E/Cy 10 + 49 nd |
| TP | 12.16 | 381.16 ✓ | 0.11 | 369.00 ✓ | |
| TP | 2.27 | 382.62 ✓ | 0.81 | 380.25 ✓ | |
| +00 | -2 Monroe (Elliot) | | 5.91 | 376.71 ✓ | on stub |
| +20 | | | 5.9 | 376.9 | |
| +35 | | | 6.5 | 376.1 | |
| +50 | | | 6.4 | 376.2 | |
| +100 | | | 6.6 | 376.0 | |
| +50 | | | 6.3 | 376.3 | |
| +75 | | | 5.9 | 376.7 | |
| +100 | | | 6.7 | 375.9 | |
| +50 | | | 6.8 | 375.8 | |
| +75 | | | 6.8 | 375.8 | |
| +100 | | | 5.7 | 376.9 | |
| TP | 11.90 | 382.84 ✓ | 6.68 | 375.94 ✓ | |
| +40 | | | 11.7 | 376.1 | |
| +100 | | | 10.2 | 377.6 | |
| +30 | | | 10.7 | 377.1 | |
| +50 | | | 9.2 | 378.6 | |
| +70 | | | 10.2 | 377.6 | |
| +100 | | | 10.0 | 377.8 | |
| +50 | | | 9.8 | 378.0 | |
| +100 | | | 8.7 | 379.1 | |
| +30 | | | 9.4 | 378.4 | |
| +50 | | | 8.7 | 379.1 | |

| | | | | | |
|-------|----------------------|--------|------|--------|-------------------------------|
| +85 | | | 7.4 | 380.4 | |
| 7400 | | | 7.7 | 380.1 | |
| +10 | 2 Madison - Arnold | | 7.49 | 380.35 | on stub |
| +40 | | | 5.8 | 382.0 | |
| 8400 | | | 5.2 | 382.6 | |
| +50 | | | 4.1 | 383.7 | |
| 9400 | | | 3.8 | 384.0 | |
| +50 | | | 3.0 | 384.8 | |
| 10400 | | | 2.5 | 385.3 | |
| TP | 7.71 | 394.02 | 1.53 | 386.21 | Nail Pinner Pole Opp 56.10 |
| +50 | | | 2.8 | 385.9 | 4-3-26 |
| 11400 | | | 2.5 | 385.5 | |
| +15 | | | 2.6 | 385.4 | |
| +10 | | | 2.4 | 386.6 | |
| +50 | | | 2.9 | 386.1 | |
| 12400 | | | 2.5 | 386.5 | |
| +50 | | | 6.7 | 387.3 | |
| 13400 | | | 5.9 | 388.1 | |
| +10 | | | 5.5 | 388.5 | |
| +75 | | | 4.5 | 389.5 | |
| +100 | | | 4.9 | 389.1 | |
| +20 | 2 Adams (Canniphans) | 4.73 | | 389.3 | on stub |
| +50 | | | 4.5 | 389.5 | |
| 15400 | | | 4.2 | 389.7 | |
| +50 | | | 4.2 | 389.8 | |
| 16400 | | | 2.8 | 390.1 | |

| | | | | |
|--------|--------------------|---------------------|-----|---------------------|
| | | 374.02 | | |
| 1642.5 | | | 35 | 390.1 |
| +50 | | | 31 | 390.9 |
| 17100 | | | 27 | 391.3 |
| +50 | | | 22 | 391.8 |
| 18400 | | | 16 | 392.4 |
| TP | 5.95 | 392.36 ¹ | 161 | 392.41 [✓] |
| +50 | | | 58 | 392.6 |
| +75 | | | 52 | 393.2 |
| 19100 | | | 56 | 392.8 |
| +50 | | | 49 | 393.5 |
| 20400 | | | 46 | 393.8 |
| +50 | | | 44 | 394.0 |
| 21700 | | | 50 | 393.4 |
| +40 | | | 50 | 393.4 |
| +55 | | | 43 | 394.3 |
| 22100 | | | 41 | 394.2 |
| +10 | L (Roland) Collier | | 444 | 393.92 |
| BM | | | 343 | 394.93 |
| TP | 3.30 | 395.99 ^v | 567 | 392.69 ^v |

CD Stok
Nails Pinner
211750

95
5/2/26
Sewer Levels L Alley Blocks B-EH Montecello Sub.
Between Minora And 58th St From L. Collier to L. Monroe

395.99 81 Ford Page 24

| | | |
|--------------------------|-----|---------------------|
| 016 = L (Roland) Collier | 54 | 390.6 |
| +50 | 58 | 390.2 |
| 1400 | 54 | 390.6 |
| +50 | 61 | 389.9 |
| 2100 | 61 | 389.9 |
| +50 | 60 | 390.0 |
| 3100 | 61 | 389.9 |
| +50 | 61 | 389.9 |
| 4100 | 62 | 389.8 |
| +50 | 61 | 389.9 |
| 5100 | 61 | 389.9 |
| +50 | 62 | 389.7 |
| 6100 | 62 | 389.6 |
| +50 | 66 | 389.4 |
| 7100 | 62 | 389.7 |
| +50 | 62 | 389.1 |
| 8100 | 71 | 388.9 |
| TP | 156 | 393.28 ¹ |
| +50 | 72 | 388.7 |
| 9100 | 72 | 388.7 |
| +50 | 72 | 388.5 |
| 10100 | 74 | 388.9 |
| +50 | 50 | 388.3 |
| +50 | 52 | 388.1 |
| 11100 | 56 | 387.7 |
| +50 | 50 | 388.3 |

| | | | | |
|---------------------------|--------|--------|-------|--------|
| 10+70 | 093.28 | 5.9 | 387.4 | |
| 11+00 | | 5.4 | 387.9 | |
| 11+5 | | 4.4 | 388.9 | |
| 1+50 | | 6.0 | 387.3 | |
| 12+00 | | 5.7 | 387.6 | |
| 1+40 | | 5.6 | 387.7 | |
| 1+60 | | 4.4 | 388.9 | |
| 1+80 | | 5.8 | 387.5 | |
| 13+00 | | 5.0 | 388.3 | |
| 1+15 | | 6.0 | 387.3 | |
| 1+50 | | 6.0 | 387.3 | |
| 1+70 | | 4.9 | 388.4 | |
| 14+00 | | 6.2 | 387.1 | |
| 1+50 | | 6.4 | 386.9 | |
| 15+00 to Madison (Arnold) | | 6.9 | 386.4 | |
| 1+50 | | 7.7 | 385.6 | |
| 16+00 | | 7.8 | 385.5 | |
| BM | 1.88 | 388.55 | 6.61 | 386.67 |
| 1+50 | | 3.8 | 384.8 | |
| 17+00 | | 4.2 | 384.4 | |
| 1+15 | | 5.3 | 383.3 | |
| 1+50 | | 5.7 | 382.9 | |
| 18+00 | | 7.3 | 381.3 | |
| 1+50 | | 8.8 | 379.8 | |
| 19+00 | | 9.9 | 378.7 | |
| 1+50 | | 9.4 | 379.2 | |
| 1+60 | | 9.7 | 378.9 | |

N.E. Property
Madison (Arnold)

100%
78 380.6

388.55

| | | | | |
|-------|-----------------------|--------|-------|--------|
| 19+75 | | 8.9 | 379.9 | |
| 20+00 | | 9.2 | 379.4 | |
| 1+50 | | 9.1 | 379.5 | |
| 21+00 | | 9.1 | 379.5 | |
| 1+30 | | 9.4 | 379.2 | |
| 1+50 | | 8.6 | 380.0 | |
| 22+00 | | 9.1 | 379.5 | |
| 1+10 | Existing M/Hol | 8.7 | 379.9 | |
| | = 8. Montrose (E/Hol) | | | |
| | Flow Line | 14.25 | 374.2 | |
| TP | 383 | 383.70 | 8.68 | 379.87 |
| BM | | | 9.15 | 379.55 |

20 M/H. Prop
on 5/2/03
3 7/11/04 RD-5
Montrose 0700
376.71

98 Survey Levels & Alley Blocks F-1 Montecello Sub.
Between 56th St and Altadena
From E. Adams to E. Monroe

| BN | 811 | 388.02 | 379.88 | Top Mt. E. Monroe (21102) |
|------|--------------------------|--------|--------|---------------------------------|
| 0+0 | - E. Monroe Existing Mt. | 4.8 | 383.2 | |
| | First Line | 1.259 | 375.4 | |
| +50 | | 5.2 | 382.8 | |
| +100 | | 5.1 | 382.9 | |
| +50 | | 5.3 | 382.7 | |
| +200 | | 5.3 | 382.7 | |
| +15 | | 4.6 | 383.4 | |
| +30 | | 5.2 | 382.8 | |
| +50 | | 4.8 | 383.2 | |
| +80 | | 4.7 | 383.3 | |
| +100 | | 3.7 | 384.3 | |
| +20 | | 3.2 | 384.8 | |
| +50 | | 2.9 | 385.1 | |
| +75 | | 3.0 | 385.0 | |
| +100 | | 2.4 | 385.6 | |
| TP | 712 | 392.76 | 385.64 | Top Mt. Opp 3780 |
| +20 | | 7.1 | 385.7 | |
| +35 | | 5.6 | 387.2 | |
| +50 | | 6.6 | 386.2 | |
| +75 | | 6.7 | 386.1 | |
| +90 | | 5.1 | 387.4 | |
| +100 | | 6.0 | 386.8 | |
| +50 | | 6.1 | 386.7 | |
| +100 | | 5.8 | 387.0 | |
| +50 | | 5.6 | 387.2 | |

392.76⁵

883

99

| 7+00 | 6.0 | 386.8 |
|---------------------------|------|--------|
| +10 E. Madison (Arnold) | 5.7 | 387.1 |
| +50 | 6.1 | 386.7 |
| +90 | 6.2 | 386.6 |
| 8+10 | 5.0 | 387.2 |
| +35 | 6.4 | 386.4 |
| +50 | 6.6 | 386.2 |
| 9+00 | 5.7 | 387.1 |
| +50 | 5.6 | 387.2 |
| 10+00 | 4.8 | 388.0 |
| +50 | 4.8 | 388.0 |
| 11+00 | 4.3 | 388.5 |
| +15 | 3.4 | 389.4 |
| +10 | 4.5 | 388.3 |
| +80 | 3.2 | 390.6 |
| 12+00 | 3.5 | 389.3 |
| +50 | 3.4 | 389.4 |
| 13+00 | 3.1 | 389.7 |
| +50 | 2.6 | 390.2 |
| 14+00 | 3.0 | 389.8 |
| +20 E. Adams (Carrington) | 2.9 | 389.9 |
| BM | 6.11 | 386.65 |

NE Prop 106
38667 Page 96

100 Cross Section Lographer St.
 75 Wide Front Line 38.18 Brt Ford From 1148-19280
 From Diamond to Moorland

100's S. Roosevelt

75 Wide
 16 Cb's
 129594

| | | |
|-------|----|------|
| F | 42 | 34.0 |
| cb | 45 | 33.7 |
| 14 | 44 | 33.8 |
| 18 | 53 | 32.9 |
| 14 | 49 | 33.3 |
| 6 | 43 | 33.9 |
| 14 | 52 | 33.0 |
| 16 | 53 | 32.9 |
| 19 | 41 | 34.1 |
| cb | 42 | 34.0 |
| 14 | 40 | 34.2 |
| 150's | | |
| 14 | 49 | 33.3 |
| cb | 50 | 33.2 |
| 16 | 50 | 33.2 |
| 18 | 60 | 32.2 |
| 14 | 59 | 32.3 |
| 6 | 52 | 33.0 |
| 14 | 58 | 32.4 |
| 15 | 60 | 32.2 |
| 19 | 51 | 33.1 |
| cb | 52 | 33.0 |
| F | 49 | 33.3 |
| 200's | | |
| F | 55 | 32.7 |
| cb | 59 | 32.3 |

38.18

101
 4-9-26
 Susan
 Bliss
 Northern

| | | |
|-------|----|------|
| 13 | 57 | 32.5 |
| 17 | 67 | 31.5 |
| 14 | 64 | 31.8 |
| 4 | 57 | 32.5 |
| 14 | 65 | 31.7 |
| 15 | 66 | 31.6 |
| 18 | 59 | 32.3 |
| cb | 60 | 32.2 |
| 14 | 57 | 32.5 |
| 250's | | |
| 14 | 67 | 32.0 |
| cb | 65 | 31.7 |
| 14 | 65 | 31.7 |
| 18 | 72 | 31.0 |
| 14 | 71 | 31.1 |
| 6 | 65 | 31.7 |
| 14 | 70 | 31.2 |
| 16 | 73 | 30.9 |
| 10 | 65 | 31.7 |
| cb | 65 | 31.7 |
| F | 59 | 32.3 |
| 300's | | |
| F | 61 | 31.6 |
| cb | 73 | 30.9 |
| 14 | 72 | 31.0 |
| 18 | 80 | 30.2 |
| 14 | 76 | 30.6 |

| | | |
|-----|-------|------|
| Z | 71 | 31.1 |
| 14 | 80 | 30.2 |
| +5 | 83 | 29.9 |
| 710 | 73 | 30.9 |
| cb | 71 | 31.1 |
| N | 71 | 31.1 |
| | 350.5 | |
| N | 76 | 30.6 |
| cb | 78 | 30.4 |
| +6 | 80 | 30.2 |
| +8 | 90 | 29.2 |
| 14 | 87 | 29.5 |
| Z | 77 | 30.5 |
| 14 | 84 | 29.8 |
| +6 | 87 | 29.5 |
| +9 | 80 | 30.2 |
| cb | 80 | 30.2 |
| F | 73 | 30.9 |
| | 400.5 | |
| F | 78 | 30.4 |
| cb | 87 | 29.5 |
| +4 | 89 | 29.5 |
| +8 | 95 | 28.7 |
| 14 | 89 | 29.3 |
| Z | 81 | 30.1 |
| 14 | 93 | 28.9 |
| +5 | 95 | 28.7 |

| | | | | | |
|----|-------|-------|-----|-------|------------|
| +8 | 87 | 29.5 | | | |
| cb | 85 | 29.7 | | | |
| N | 84 | 29.8 | | | |
| TR | 1.28 | 32.02 | 744 | 30.74 | on 560.400 |
| | | 450.5 | | | |
| N | 70 | 29.0 | | | |
| cb | 70 | 29.0 | | | |
| +5 | 77 | 28.8 | | | |
| +8 | 79 | 28.1 | | | |
| 14 | 78 | 28.2 | | | |
| Z | 70 | 29.0 | | | |
| 14 | 76 | 28.4 | | | |
| +5 | 71 | 27.9 | | | |
| +9 | 74 | 28.6 | | | |
| cb | 77 | 28.8 | | | |
| F | 77 | 29.3 | | | |
| | 500.5 | | | | |
| F | 73 | 28.8 | | | |
| +6 | 78 | 28.2 | | | |
| cb | 70 | 28.0 | | | |
| +4 | 78 | 28.2 | | | |
| +8 | 78 | 27.2 | | | |
| 14 | 76 | 27.4 | | | |
| Z | 79 | 28.1 | | | |
| 14 | 77 | 27.3 | | | |
| +6 | 76 | 27.4 | | | |
| +8 | 70 | 28.0 | | | |

32.02

| | | |
|-----|--------------------|------|
| cb | 3.8 | 28.2 |
| M | 3.8 | 28.2 |
| | 550.5 | |
| M | 4.5 | 27.5 |
| cb | 4.8 | 27.2 |
| 1/4 | 4.7 | 27.3 |
| +8 | 5.2 | 26.8 |
| 1/4 | 5.0 | 27.0 |
| Z | 4.6 | 27.4 |
| 1/4 | 5.1 | 26.9 |
| +5 | 5.3 | 26.7 |
| +10 | 4.5 | 27.5 |
| cb | 4.7 | 27.3 |
| F | 4.0 | 28.0 |
| | 600.5-114 La Playa | |
| F | 4.7 | 27.3 |
| cb | 5.4 | 26.6 |
| 1/4 | 5.4 | 26.6 |
| +8 | 6.0 | 26.0 |
| 1/4 | 5.8 | 26.2 |
| Z | 5.3 | 26.7 |
| 1/4 | 5.4 | 26.6 |
| cb | 5.0 | 27.0 |
| M | 5.0 | 27.0 |
| | NCD | |
| M | 5.2 | 26.8 |
| cb | 5.3 | 26.7 |

La Playa
95 side
18 Cbs
1275945

32.02

| | | |
|-----|------------|-------|
| 1/4 | 5.5 | 26.5 |
| Z | 5.5 | 26.5 |
| 1/4 | 5.6 | 26.4 |
| cb | 5.5 | 26.5 |
| F | 5.5 | 26.5 |
| | M 1/4 | |
| F | 6.0 | 26.0 |
| cb | 5.7 | 26.3 |
| 1/4 | 5.2 | 26.8 |
| Z | 5.3 | 26.7 |
| 1/4 | 5.3 | 26.7 |
| cb | 5.6 | 26.4 |
| M | 6.2 | 25.8 |
| | Z La Playa | |
| M | 5.6 | 26.4 |
| cb | 5.5 | 26.5 |
| 1/4 | 5.5 | 26.5 |
| Z | 5.4 | 26.6 |
| 3M | 6.13 | 25.39 |
| 1/4 | 5.6 | 26.4 |
| cb | 5.8 | 26.2 |
| F | 5.7 | 26.3 |
| | S 1/4 | |
| F | 6.0 | 26.0 |
| cb | 5.9 | 26.1 |
| 1/4 | 5.7 | 26.3 |
| Z | 5.3 | 26.7 |

Z Nov.
La Playa Ingraham

32.02

| | | |
|----|------------|------|
| 14 | 56 | 26.4 |
| cb | 59 | 26.1 |
| H | 62 | 25.8 |
| | 5cb | |
| H | 52 | 26.8 |
| cb | 55 | 26.5 |
| +4 | 57 | 26.6 |
| +8 | 59 | 26.1 |
| 14 | 57 | 26.3 |
| 2 | 56 | 26.4 |
| 14 | 58 | 26.2 |
| cb | 57 | 26.6 |
| F | 57 | 26.6 |
| | SL Laplaya | |
| F | 52 | 26.8 |
| cb | 55 | 26.5 |
| +8 | 61 | 25.9 |
| 14 | 59 | 26.1 |
| 2 | 57 | 26.6 |
| 14 | 57 | 26.3 |
| +6 | 57 | 26.3 |
| +8 | 51 | 26.9 |
| cb | 51 | 26.9 |
| H | 52 | 26.8 |
| | 50.5 | |
| H | 56 | 26.4 |
| cb | 56 | 26.4 |

32.02

| | | |
|-----|-------|------|
| +4 | 58 | 26.2 |
| +8 | 63 | 25.7 |
| 14 | 61 | 25.9 |
| 2 | 58 | 26.2 |
| 14 | 63 | 25.7 |
| +6 | 59 | 26.1 |
| +10 | 51 | 26.4 |
| cb | 53 | 26.7 |
| F | 51 | 26.9 |
| | 100.5 | |
| F | 57 | 26.6 |
| cb | 57 | 26.3 |
| +4 | 57 | 26.3 |
| +8 | 65 | 25.5 |
| 14 | 62 | 25.8 |
| 2 | 55 | 26.5 |
| 14 | 63 | 25.7 |
| +6 | 64 | 25.6 |
| +8 | 59 | 26.1 |
| cb | 56 | 26.4 |
| H | 57 | 26.3 |
| | 150.5 | |
| H | 55 | 26.5 |
| cb | 55 | 26.5 |
| +8 | 61 | 25.9 |
| 14 | 63 | 25.7 |
| 2 | 54 | 26.6 |

Ingram

37.02

| | | |
|-------|----|------|
| 74 | 60 | 26.0 |
| +6 | 61 | 25.9 |
| +10 | 51 | 26.4 |
| F | 55 | 26.5 |
| 200's | | |
| E | 53 | 26.7 |
| Cb | 58 | 26.8 |
| +4 | 58 | 26.8 |
| +8 | 56 | 26.4 |
| 74 | 56 | 26.4 |
| Z | 49 | 27.1 |
| 74 | 58 | 26.2 |
| +6 | 59 | 26.1 |
| +9 | 53 | 26.7 |
| Cb | 57 | 26.8 |
| H | 51 | 26.9 |
| 250's | | |
| H | 40 | 28.0 |
| Cb | 43 | 27.7 |
| +4 | 46 | 27.8 |
| +8 | 50 | 27.0 |
| 74 | 49 | 27.1 |
| Z | 38 | 28.2 |
| 74 | 46 | 27.4 |
| +6 | 50 | 27.0 |
| +9 | 44 | 27.6 |
| Cb | 44 | 27.6 |
| E | 43 | 27.7 |

32.02

| TP | 872 | 37.68 | 312 | 28.90 | 60 40 250's |
|-------|-----|-------|-----|-------|-------------|
| 300's | | | | | |
| E | | | 94 | 28.3 | |
| Cb | | | 92 | 28.5 | |
| 74 | | | 92 | 28.5 | |
| +7 | | | 97 | 28.0 | |
| 74 | | | 94 | 28.3 | |
| Z | | | 89 | 29.0 | |
| 74 | | | 92 | 28.5 | |
| +2 | | | 97 | 28.0 | |
| +9 | | | 90 | 28.7 | |
| Cb | | | 89 | 28.8 | |
| H | | | 89 | 28.8 | |
| 350's | | | | | |
| H | | | 79 | 29.8 | |
| Cb | | | 80 | 29.7 | |
| +5 | | | 81 | 29.6 | |
| +10 | | | 87 | 29.0 | |
| 74 | | | 85 | 29.2 | |
| Z | | | 78 | 29.9 | |
| 74 | | | 86 | 29.1 | |
| +6 | | | 87 | 29.0 | |
| +10 | | | 80 | 29.7 | |
| E | | | 80 | 29.7 | |
| 400's | | | | | |
| E | | | 68 | 30.9 | |
| Cb | | | 67 | 30.9 | |

Ingraham

37.68

| | | |
|-------|----|------|
| +1 | 69 | 30.8 |
| +8 | 74 | 30.3 |
| 74 | 75 | 30.2 |
| £ | 67 | 31.0 |
| 74 | 74 | 30.3 |
| +5 | 75 | 30.2 |
| +10 | 71 | 30.6 |
| cb | 70 | 30.7 |
| H | 66 | 31.1 |
| 450's | | |
| H | 51 | 32.6 |
| cb | 57 | 32.0 |
| +2 | 57 | 32.0 |
| +5 | 63 | 31.4 |
| 74 | 61 | 31.6 |
| £ | 53 | 32.4 |
| 74 | 63 | 31.4 |
| +5 | 64 | 31.3 |
| +10 | 56 | 32.1 |
| cb | 51 | 32.1 |
| F | 56 | 32.1 |
| 500's | | |
| F | 47 | 33.0 |
| cb | 49 | 32.8 |
| +3 | 50 | 32.7 |
| +8 | 55 | 32.2 |
| 74 | 55 | 32.2 |

37.68

| | | |
|-------|-----|-------|
| £ | 47 | 33.0 |
| 74 | 51 | 32.3 |
| +8 | 54 | 32.3 |
| cb | 51 | 32.6 |
| H | 47 | 33.0 |
| 550's | | |
| H | 43 | 33.4 |
| cb | 42 | 33.5 |
| 74 | 45 | 33.2 |
| £ | 38 | 33.9 |
| 74 | 43 | 33.4 |
| +7 | 44 | 33.3 |
| +10 | 40 | 33.7 |
| cb | 41 | 33.6 |
| F | 41 | 33.6 |
| B.M | 533 | 32.35 |
| 561's | | |
| F | 40 | 33.7 |
| cb | 53 | 33.9 |
| 74 | 42 | 33.5 |
| £ | 39 | 33.8 |
| H | 41 | 33.6 |
| +1 | 38 | 33.9 |
| cb | 40 | 33.7 |
| H | 41 | 33.6 |
| 600's | | |
| H | 43 | |

Nov Ingraham
454 Fortuna Park

561's = 54. Fortuna Park Add

112 Ingraham

37.68

75' wide
12' Cbs
1725 qts

| | |
|-----|----|
| cb | 41 |
| 1/4 | 42 |
| 2 | 37 |
| 1/4 | 40 |
| cb | 38 |
| F | 39 |

650.5

| | |
|------|----|
| E | 36 |
| cb | 34 |
| 1/10 | 34 |
| 1/4 | 34 |
| 2 | 35 |
| 1/4 | 39 |
| 1/10 | 27 |
| cb | 38 |
| 1/4 | 38 |

696.65 = 112 Moorland

| | |
|------|----|
| 1/4 | 36 |
| cb | 37 |
| 1/10 | 35 |
| 1/4 | 39 |
| 2 | 35 |
| 1/4 | 35 |
| cb | 34 |
| F | 35 |

B.M.

472

30.11

2539

Mon. E. La Playa
+ Ingraham

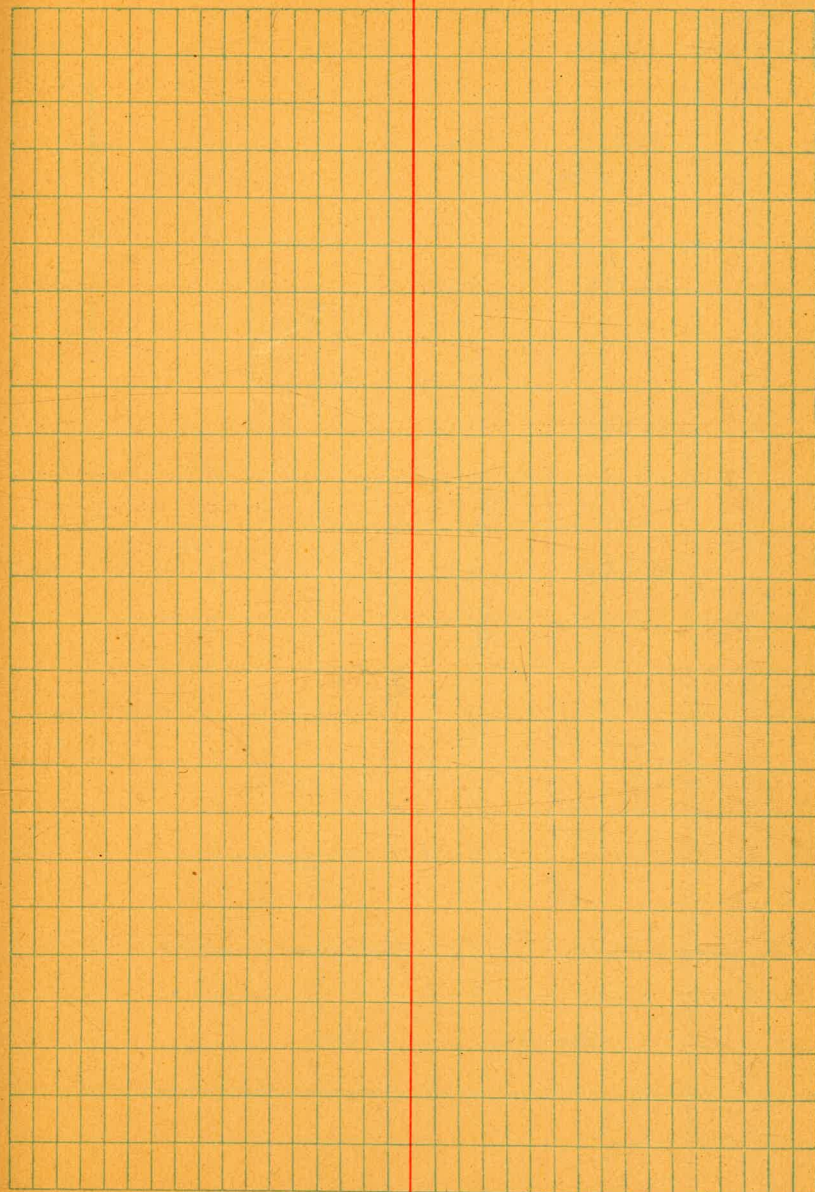
B.M.

24.5

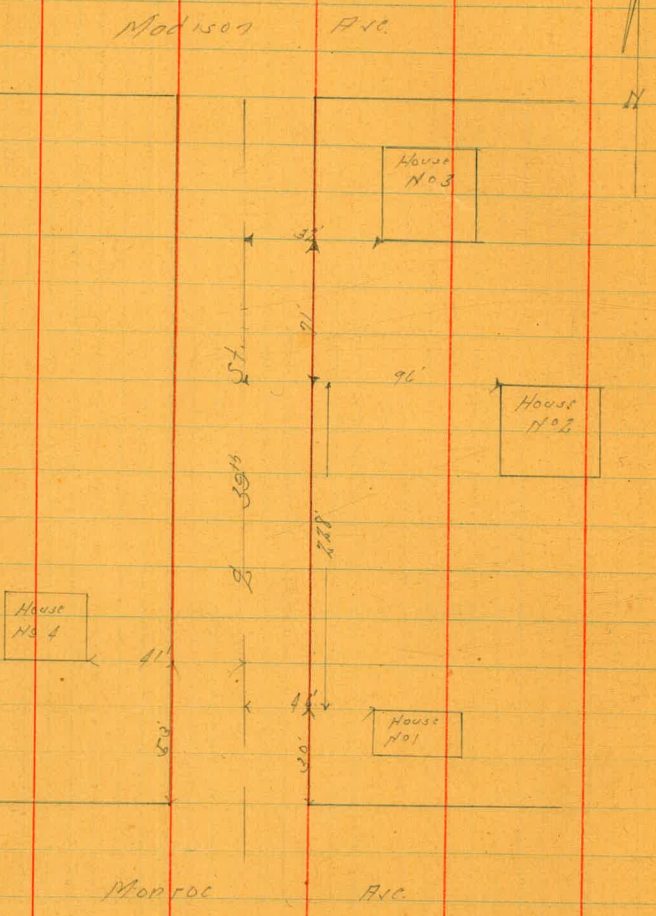
2766

Mon. E. La Playa
No. 1 Shasta
27.41

113

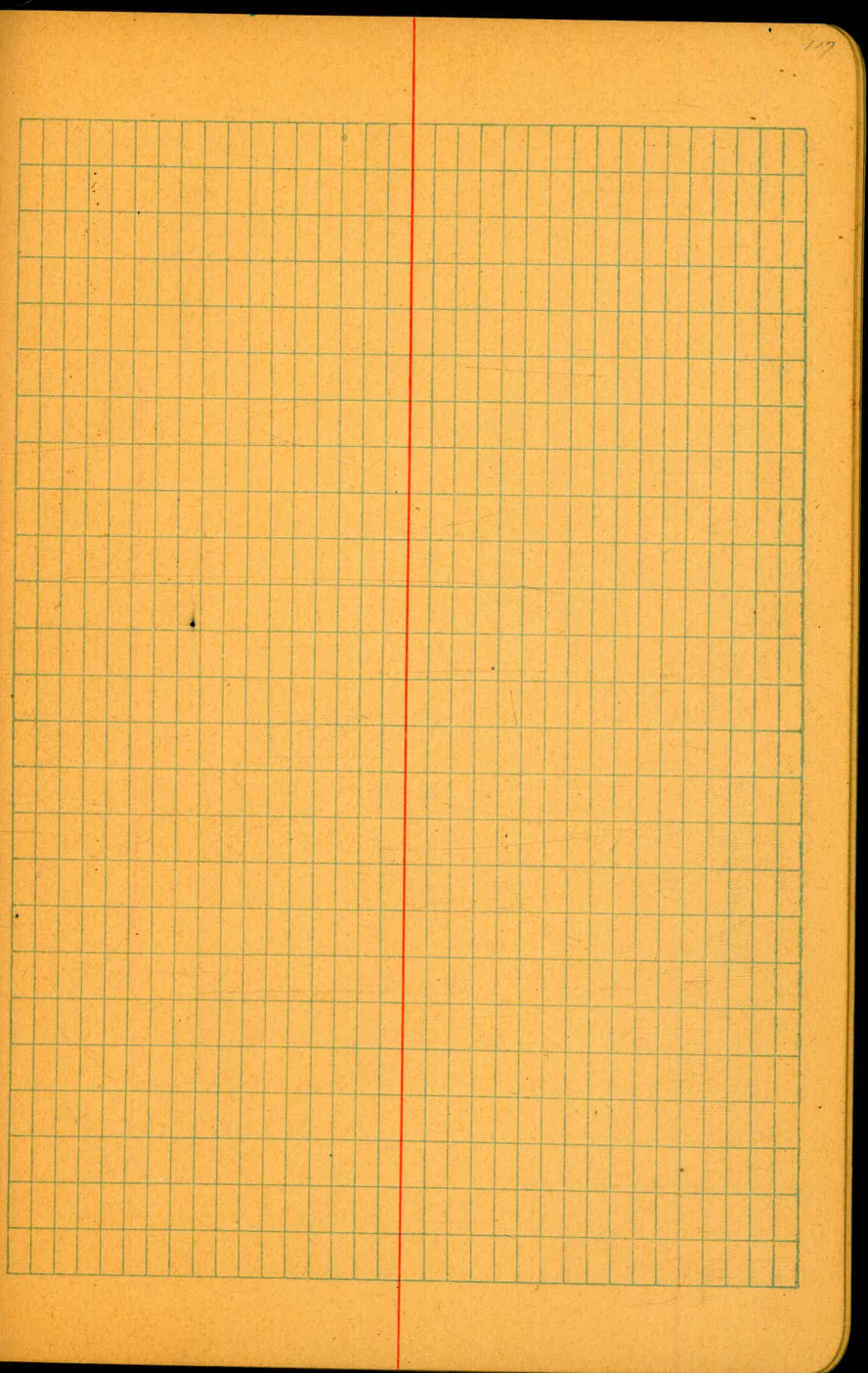
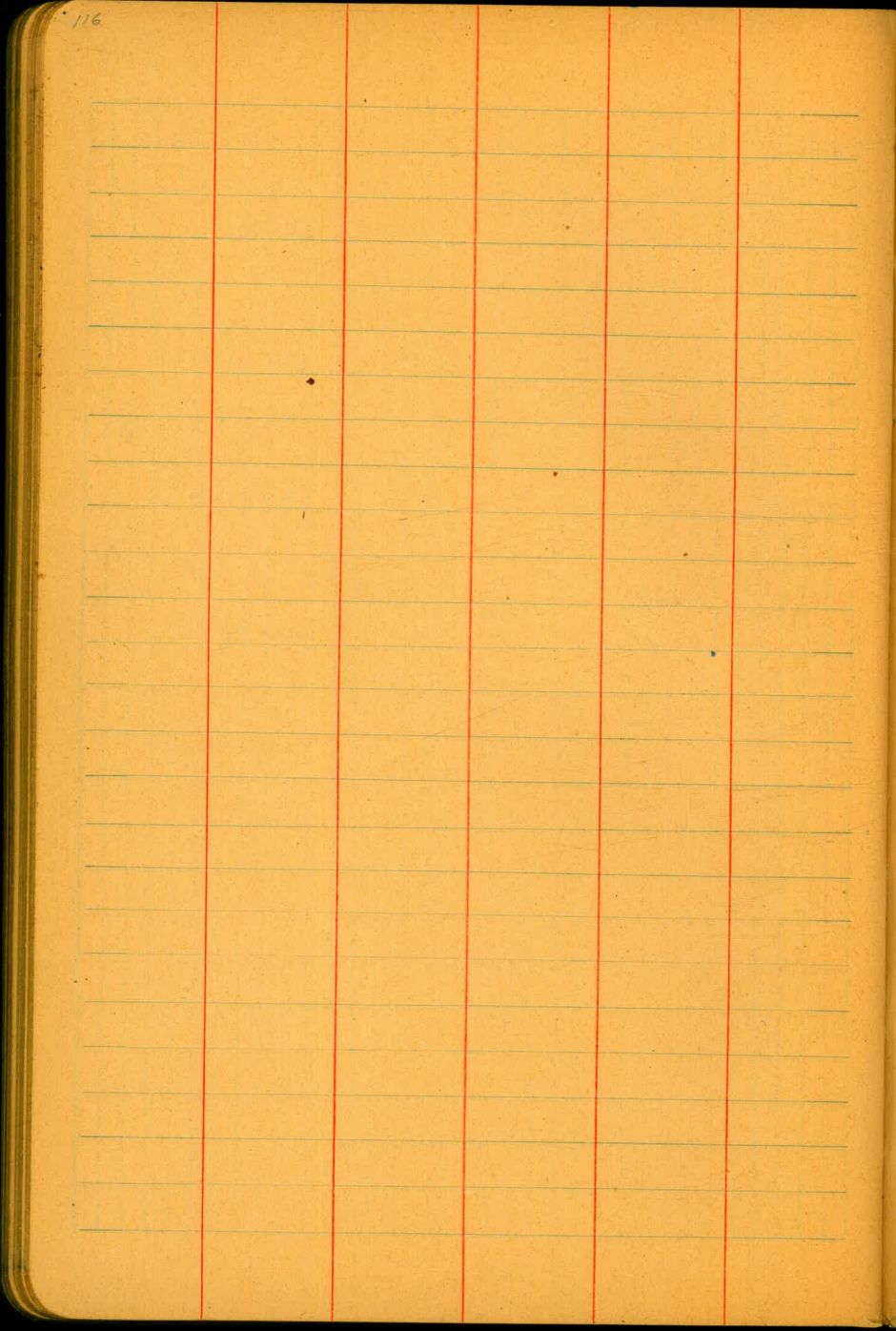


114 Location + Floor Elevations of Houses
On 39th St From Monroe to Madison



115
7/26
5:40
8:15
Arthur

| BM | 033 | 374.83 | | 372.50 | SW 8 P Monroe St |
|------------------|-----|--------|-----|--------|---------------------|
| Floor House No 1 | | | 410 | 370.73 | |
| Floor House No 1 | | | 258 | 371.25 | |
| Floor House No 2 | | | 258 | 374.25 | |
| Floor House No 3 | | | 205 | 372.78 | |

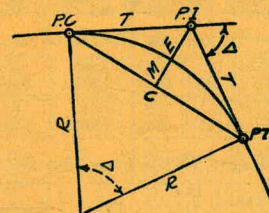


This page is a ledger-style page with horizontal blue lines and four vertical red margin lines. The margins are located at approximately 10%, 20%, 30%, and 40% from the left edge of the page.

This page is a ledger-style page with a grid of blue lines. It features a vertical red margin line at approximately 10% from the left edge. The grid consists of 20 columns and 20 rows.

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

Copyright, 1914, by Eugene Dietzgen Co., New York City



CURVE FORMULAS

$$\text{Radius} = R = \frac{50}{\sin. \frac{D}{2}} \quad (1) \quad \text{Degree of Curve} = D \text{ and } \sin. \frac{D}{2} = \frac{50}{R} \quad (2)$$

$$\text{Tangent} = T = R \tan \frac{\Delta}{2} \quad (3) \quad \text{Length of Curve} = L = 100 \frac{\Delta}{D} \quad (4)$$

$$\text{Middle ordinate} = M = R(1 - \cos. \frac{\Delta}{2}) \quad (5) = R \text{vers } \frac{\Delta}{2} \quad (6)$$

$$\text{External} = E = T \tan \frac{\Delta}{4} \quad (7) = R \div \cos. \frac{\Delta}{2} - R \quad (8) = R \text{exsec } \frac{\Delta}{2} \quad (9)$$

$$\text{Long Chord} = C = 2 R \sin. \frac{\Delta}{2} \quad (10) \quad \Delta = \text{Central Angle}$$

EXPLANATION AND USE OF TABLES

Stations.—Given P. I.—Sta. 161+60.35 to find Sta. of P. C. and P. T. $\Delta=62^\circ 10'$ $D=8^\circ 20'$. From Table IV for 1° curve $T=3454.1$ and $+8\frac{1}{3}=414.49$ ft. From Table V correction=.36 or $T=414.85$ ft. P. C.—Sta. P. I.— $T=157+45.50$. Also from (4) $L=746.00$ and P. T.—Sta. P. C. + $L=164+91.50$.

Offsets.—Tangent offsets vary (approximately) directly with D and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft.=7.27 ft. Distance=158—Sta. P. C.=54.50, hence offset= $7.27 (54.50 \div 100)^2=2.16$ ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus $(54.50)^2 \div (2 \times 688.26)=2.16$ ft.

Deflections.—Deflection angle= $\frac{1}{2} D$ for 100 ft., $\frac{1}{4} D$ for 50 ft., etc. For c ft.=(in minutes) $.3 \times C \times D^\circ$ or=defl. for 1 ft. from Table III $\times C$. For Sta. 158 of above curve=.3 $\times 54.5 \times 8\frac{1}{3}=136.2'$ or $2^\circ 16.2'$, or= $2.50 \times 54.5=136.2'$ from Table III. For Sta. 159 deflection angle= $2^\circ 16.2' + 8^\circ 20' \div 2=6^\circ 26.2'$, etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 91.37. For from Table IV for 1° curve $E=960.6$ for $8^\circ 20'=960.6 \div 8\frac{1}{3}=91.27$ and from Table V correction=.10 or $E=91.37$ ft. Or suppose $\Delta=32^\circ$ and E is measured and found to be 42 ft. What is D ? From Table IV $E=230.9$ and $+42=5.5$ or $D=5^\circ 30'$.

**DISTANCES FROM CENTER OF ROADWAY FOR
CROSS-SECTIONING.**

Roadway 16 feet wide. Side Slopes 1 on 1½.
For Single Track Embankment.

| H | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | H |
|----|------|------|------|------|------|------|------|------|------|------|----|
| 0 | 8.0 | 8.2 | 8.3 | 8.5 | 8.6 | 8.8 | 8.9 | 9.1 | 9.2 | 9.4 | 0 |
| 1 | 9.5 | 9.7 | 9.8 | 10.0 | 10.1 | 10.3 | 10.4 | 10.6 | 10.7 | 10.9 | 1 |
| 2 | 11.0 | 11.2 | 11.3 | 11.5 | 11.6 | 11.8 | 11.9 | 12.1 | 12.2 | 12.4 | 2 |
| 3 | 12.5 | 12.7 | 12.8 | 13.0 | 13.1 | 13.3 | 13.4 | 13.6 | 13.7 | 13.9 | 3 |
| 4 | 14.0 | 14.2 | 14.3 | 14.5 | 14.6 | 14.8 | 14.9 | 15.1 | 15.2 | 15.4 | 4 |
| 5 | 15.5 | 15.7 | 15.8 | 16.0 | 16.1 | 16.3 | 16.4 | 16.6 | 16.7 | 16.9 | 5 |
| 6 | 17.0 | 17.2 | 17.3 | 17.5 | 17.6 | 17.8 | 17.9 | 18.1 | 18.2 | 18.4 | 6 |
| 7 | 18.5 | 18.7 | 18.8 | 19.0 | 19.1 | 19.3 | 19.4 | 19.6 | 19.7 | 19.9 | 7 |
| 8 | 20.0 | 20.2 | 20.3 | 20.5 | 20.6 | 20.8 | 20.9 | 21.1 | 21.2 | 21.4 | 8 |
| 9 | 21.5 | 21.7 | 21.8 | 22.0 | 22.1 | 22.3 | 22.4 | 22.6 | 22.7 | 22.9 | 9 |
| 10 | 23.0 | 23.2 | 23.3 | 23.5 | 23.6 | 23.8 | 23.9 | 24.1 | 24.2 | 24.4 | 10 |
| 11 | 24.5 | 24.7 | 24.8 | 25.0 | 25.1 | 25.3 | 25.4 | 25.6 | 25.7 | 25.9 | 11 |
| 12 | 26.0 | 25.2 | 26.3 | 26.5 | 26.6 | 26.8 | 26.9 | 27.1 | 27.2 | 27.4 | 12 |
| 13 | 27.5 | 27.7 | 27.8 | 28.0 | 28.1 | 28.3 | 28.4 | 28.6 | 28.7 | 28.9 | 13 |
| 14 | 29.0 | 29.2 | 29.3 | 29.5 | 29.6 | 29.8 | 29.9 | 30.1 | 30.2 | 30.4 | 14 |
| 15 | 30.5 | 30.7 | 30.8 | 31.0 | 31.1 | 31.3 | 31.4 | 31.6 | 31.7 | 31.9 | 15 |
| 16 | 32.0 | 32.2 | 32.3 | 32.5 | 32.6 | 32.8 | 32.9 | 33.1 | 33.2 | 33.4 | 16 |
| 17 | 33.5 | 33.7 | 33.8 | 34.0 | 34.1 | 34.3 | 34.4 | 34.6 | 34.7 | 34.9 | 17 |
| 18 | 35.0 | 35.2 | 35.3 | 35.5 | 35.6 | 35.8 | 35.9 | 36.1 | 36.2 | 36.4 | 18 |
| 19 | 36.5 | 36.7 | 36.8 | 37.0 | 37.1 | 37.3 | 37.4 | 37.6 | 37.7 | 37.9 | 19 |
| 20 | 38.0 | 38.2 | 38.3 | 38.5 | 38.6 | 38.8 | 38.9 | 39.1 | 39.2 | 39.4 | 20 |
| 21 | 39.5 | 39.7 | 39.8 | 40.0 | 40.1 | 40.3 | 40.4 | 40.6 | 40.7 | 40.9 | 21 |
| 22 | 41.0 | 41.2 | 41.3 | 41.5 | 41.6 | 41.8 | 41.9 | 42.1 | 42.2 | 42.4 | 22 |
| 23 | 42.5 | 42.7 | 42.8 | 43.0 | 43.1 | 43.3 | 43.4 | 43.6 | 43.7 | 43.9 | 23 |
| 24 | 44.0 | 44.2 | 44.3 | 44.5 | 44.6 | 44.8 | 44.9 | 45.1 | 45.2 | 45.4 | 24 |
| 25 | 45.5 | 45.7 | 45.8 | 46.0 | 46.1 | 46.3 | 46.4 | 46.6 | 46.7 | 46.9 | 25 |
| 26 | 47.0 | 47.2 | 47.3 | 47.5 | 47.6 | 47.8 | 47.9 | 48.1 | 48.2 | 48.4 | 26 |
| 27 | 48.5 | 48.7 | 48.8 | 49.0 | 49.1 | 49.3 | 49.4 | 49.6 | 49.7 | 49.9 | 27 |
| 28 | 50.0 | 50.2 | 50.3 | 50.5 | 50.6 | 50.8 | 50.9 | 51.1 | 51.2 | 51.4 | 28 |
| 29 | 51.5 | 51.7 | 51.8 | 52.0 | 52.1 | 52.3 | 52.4 | 52.6 | 52.7 | 52.9 | 29 |
| 30 | 53.0 | 53.2 | 53.3 | 53.5 | 53.6 | 53.8 | 53.9 | 54.1 | 54.2 | 54.4 | 30 |
| 31 | 54.5 | 54.7 | 54.8 | 55.0 | 55.1 | 55.3 | 55.4 | 55.6 | 55.7 | 55.9 | 31 |
| 32 | 56.0 | 56.2 | 56.3 | 56.5 | 56.6 | 56.8 | 56.9 | 57.1 | 57.2 | 57.4 | 32 |
| 33 | 57.5 | 57.7 | 57.8 | 58.0 | 58.1 | 58.3 | 58.4 | 58.6 | 58.7 | 58.9 | 33 |
| 34 | 59.0 | 59.2 | 59.3 | 59.5 | 59.6 | 59.8 | 59.9 | 60.1 | 60.2 | 60.4 | 34 |
| 35 | 60.5 | 60.7 | 60.8 | 61.0 | 61.1 | 61.3 | 61.4 | 61.6 | 61.7 | 61.9 | 35 |
| 36 | 62.0 | 62.2 | 62.3 | 62.5 | 62.6 | 62.8 | 62.9 | 63.1 | 63.2 | 63.4 | 36 |
| 37 | 63.5 | 63.7 | 63.8 | 64.0 | 64.1 | 64.3 | 64.4 | 64.6 | 64.7 | 64.9 | 37 |
| 38 | 65.0 | 65.2 | 65.3 | 65.5 | 65.6 | 65.8 | 65.9 | 66.1 | 66.2 | 66.4 | 38 |
| 39 | 66.5 | 66.7 | 66.8 | 67.0 | 67.1 | 67.3 | 67.4 | 67.6 | 67.7 | 67.9 | 39 |
| 40 | 68.0 | 68.2 | 68.3 | 68.5 | 68.6 | 68.8 | 68.9 | 69.1 | 69.2 | 69.4 | 40 |

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9 + (20 - 16) ÷ 2 or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.

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