566

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# KEUFFEL & ESSER CO.

**DRAWING MATERIALS**
AND
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**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.

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| | 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 |

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ENGINEERING DEPARTMENT,
CITY OF EAST SAN DIEGO.
CALIFORNIA.

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Mar 27, 1918.

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A.H. Gray
L. Knudsen
8/24/19

Levels on Reed (Cajon-Monroe)

| | + | H.I. | − | Elev | | + or − | Grade | W.L. | E.L. | Grade | + or − |
|---|---|---|---|---|---|---|---|---|---|---|---|
| B.M. N.L. Cajon | 5.01 | 376.48 | | 371.47 | Spike pole #1202 E. of El. Thomas | | | | | | |
| | | | | | | | | | 4.4 | | |
| 0+00 | | | | | | | | | 372.1 | 372.7 | −0.6 |
| | | | | | | | | | 4.6 | | |
| 0+50 | | | | | | | | | 371.9 | 372.99 | −1.1 |
| | | | | | | | | | 4.7 | | |
| 1+00 | | | | | | | | | 371.8 | 373.28 | −1.5 |
| | | | | | | | | | 4.0 | | |
| 1+50 T.P. | | | 3.95 | 372.53 | | | | | 372.5 | 373.57 | −1.1 |
| | 7.89 | 380.42 | | | | | | | | | |
| | | | | | | | | | 7.1 | | |
| 2 | | | | | | | | | 373.3 | 373.85 | −0.6 |
| | | | | | | | | | 6.3 | | |
| +50 | | | | | | | | | 374.1 | 374.14 | 0.0 |
| | | | | | | | | | 6.1 | | |
| 3 | | | | | | | | | 374.3 | 374.43 | −0.1 |
| | | | | | | | | | 5.9 | | |
| +50 | | | | | | | | | 374.5 | 374.72 | −0.2 |
| | | | | | | | | | 5.7 | | |
| 4 | | | | | | | | | 374.7 | 375.01 | −0.3 |
| | | | | | | | | | 5.5 | | |
| +50 | | | | | | | | | 374.9 | 375.30 | −0.4 |
| | | | | | | | | | 5.1 | | |
| 5 | | | | | | | | | 375.3 | 375.58 | −0.3 |
| | | | | | | | | | 4.4 | | |
| +50 | | | | | | | | | 376.0 | 375.87 | +0.1 |
| S.L. Olive | | | | | T.P. on 6+07 | | | | 4.3 | | |
| 6+07 TP | | | 4.29 | 376.13 | East 2X4 #46 | | | | 376.1 | 376.20 | −0.1 |
| | 6.80 | 382.93 | | | | | | | | | |
| N.L. Olive | | | | | | | | | 5.9 | | |
| 6+87 | | | | | | | | | 377.0 | 376.5 | +0.5 |
| | | | | | | | | | 5.7 | | |
| 7+37 | | | | | | | | | 377.2 | 376.77 | +0.4 |
| | | | | | | | | | 5.1 | | |
| +87 | | | | | | | | | 377.8 | 377.03 | +0.8 |

Reed (Cont'd)

| | + | H.I. | − | Elev | |
|---|---|---|---|---|---|
| 8+37 | | 382.93 | | | |
| +87 | | | | | |
| 9+37 | | | | | |
| T.P. +87 | | | 3.45 | 379.48 | |
| | 4.55 | 384.03 | | | |
| 10+37 | | | | | |
| +87 | | | | | |
| 11+37 | | | | | |
| +87 | | | | | |
| 12+37 | | | | | |
| S.L. Monroe +87 56 | | | | | |

| + or − | Grade | W.L. | E.L. | Grade | + or − |
|---|---|---|---|---|---|
| | | | 4.7 | | |
| | | | 378.2 | 377.30 | +0.9 |
| | | | 4.4 | | |
| | | | 378.5 | 377.57 | +0.9 |
| | | | 4.0 | | |
| | | | 378.9 | 377.83 | +1.1 |
| | | | 3.4 | | |
| | | | 379.5 | 378.10 | +1.4 |
| | | | 4.6 | | |
| | | | 379.4 | 378.37 | +1.0 |
| | | | 4.5 | | |
| | | | 379.5 | 378.63 | +0.9 |
| | | | 4.5 | | |
| | | | 379.5 | 378.90 | +0.6 |
| | | | 4.2 | | |
| | | | 379.8 | 379.16 | +0.6 |
| | | | 4.0 | | |
| | | | 380.0 | 379.43 | +0.6 |
| | | | 4.0 | | |
| | | | 380.0 | 379.70 | +0.3 |

Hyatt ⊼ Aug. 28. 14.
Brown

| | X Sections | | Reed. | Cajon to | Olive. | West P.L. | | ℄ | | East P.L. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 371.47 | B.M. | Spike in pole #1202 | | S.L. Cajon East Thomas. | | |
| N.L. Cajon 0+00 | 6.44 | 377.91 | | | | | | 5.4 372.5 | | 5.8 372.1 |
| 1+00 | | | | | | | | 5.0 372.9 | | 6.1 371.8 |
| 2+00 | | | | | | | | 3.8 374.1 | | 4.6 373.3 |
| 3+00 | | | 3.60 | 374.31 | Sta 3+00 East T.P. Peg. | | | 2.9 375.0 | | 3.6 374.3 |
| | 7.83 | 382.14 | | | | | | | | |
| 4+00 | | | | | | | | 6.5 375.6 | | 7.4 374.7 |
| 5+00 | | | | | | | | 5.9 376.2 | | 6.8 375.3 |
| S.L. Olive. 6+07 | | | 4.19 | 377.95 | T.P. | | | 5.3 376.8 | | 6.0 376.1 |

| | X Sections | | Monroe. | | | North | Top Curb. | ℄ | | South P.L. |
|---|---|---|---|---|---|---|---|---|---|---|
| E.L. Reed. 2+65 | 6.84 | 384.79 | | | | | 5.7 379.1 | 4.6 380.2 | | 4.7 380.1 |
| 2+00 | | | | | | | 6.7 378.1 | 6.0 378.8 | | 5.7 379.1 |
| 1+00 | | | | | | | 7.6 377.2 | 7.8 377.0 | | 8.2 376.6 |
| W.L. Thomas 0+00 | | | 9.68 | 375.11 | T.P. | | 9.7 375.1 | 9.8 375.0 | | 10.1 374.7 |
| | 0.32 | 375.43 | | | | | | | | |
| E.L. Thomas 2+65 | | | | | | | 1.9 373.5 | 2.1 373.3 | | 1.7 373.7 |
| 2+00 | | | | | | | 3.8 371.6 | 3.5 371.9 | | 2.2 373.2 |
| 1+00 | | | | | | | | 5.6 369.8 | | 4.2 371.2 |
| 0+00 | | | | | | | 6.2 369.2 | 5.9 369.5 | | 5.9 369.5 |

## Cross Sections Monroe (Con.)

| | | | | | |
|---|---|---|---|---|---|
| 2+65 | | 375.43 | | | |
| 2+00 | | | | | |
| 1+00 | | | | | |
| E.L. 4th 0+00 | | | | | |
| W.L. 4th 2+65 | | | 3.75 | 371.68 | T.P. |

## X Sections on 4th St.

| | | | | | |
|---|---|---|---|---|---|
| S.L. Monroe. 12+87.2 | 4.92 | 376.60 | | | |
| 11+87 | | | | | |
| 10+87 | | | | | |
| 9+87 | | | | | |
| 8+87 | | | | | |
| 7+87 | | | | | |
| N.L. Olive. 6+87 | | | 6.71 | 369.89 | T.P. |
| | 2.63 | 372.52 | | | |
| S.L. Olive 6+07 | | | | | |
| 5+00 | | | | | |
| 4+00 | | | | | |
| 3+00 | | | | | |
| 2+00 | | | | | |

Hyatt & Brown.

| | Top Curb | ℄ | | | South P.L. |
|---|---|---|---|---|---|
| | 5.4 370.0 | 5.3 370.1 | | | 5.1 370.3 |
| | 4.6 370.8 | 4.4 371.0 | | | 4.5 370.9 |
| | 3.5 371.9 | 3.2 372.2 | | | 3.0 372.4 |
| | 3.4 372.0 | 3.0 372.4 | | | 2.3 373.1 |
| | 3.7 371.7 | 3.4 372.0 | | | 3.0 372.4 |

| | Top Curb | Gutter | | | 20' E.P.L. |
|---|---|---|---|---|---|
| West | 3.7 372.9 | 4.5 372.1 | | | 4.1 372.5 |
| | 4.1 372.5 | 5.2 371.4 | | | 4.2 372.4 |
| | 4.6 372.0 | 5.4 371.2 | | | 4.0 372.6 |
| | 5.1 371.5 | 5.8 370.8 | | | 4.4 372.2 |
| | 5.7 370.9 | 6.4 370.2 | | | 4.4 372.2 |
| | 6.1 370.5 | 6.9 369.7 | | | 5.5 371.1 |
| | 6.7 369.9 | 7.7 368.9 | | | 6.3 370.1 |

| | Top curb | Gutter | ℄ | Gutter | Top Curb |
|---|---|---|---|---|---|
| | 4.5 368.0 | 5.2 367.3 | 3.7 369.8 | 6.0 367.5 | 4.3 368.2 |
| | 4.7 367.8 | 5.7 366.8 | 4.4 368.1 | 5.7 366.8 | 4.9 367.7 |
| | 5.0 367.5 | 6.0 366.5 | 4.6 367.9 | 6.1 366.4 | 5.2 367.3 |
| | 5.4 367.1 | 6.4 366.1 | 5.1 367.4 | 6.6 365.9 | 5.6 366.9 |
| | 5.7 366.8 | 6.8 365.7 | 5.5 367.0 | 6.5 366.0 | 5.7 366.8 |

Hyatt ↑
Brown

## Cross Sections 4th St. (Con.)

| | | | | | | West | Topcurb | Gutter | ℄ | Gutter | Top Curb | East |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1+00 | | 372.52 | | | | | (6.0) 366.5 | (7.1) 365.4 | (5.6) 366.9 | (6.9) 365.6 | (5.9) 366.6 | |
| N.L. Cajon 0+00 | | | 5.80 | 366.72 | B.M. Spike | | (6.2) 366.3 | (7.2) 365.3 | (5.8) 366.7 | (6.3) 365.6 | (5.9) 366.6 | |
| | | | Marker | 366.65 .07 | | in pole S.E. 4th & Cajon. | | | | | | |

## X Sections on Daley

| | | | | | | West P.L. | | Gutter | ℄ | Gutter | Top curb | East |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 367.19 | B.M. | Spike in pole S.E. Cajon & Rexmere. | | | | | | |
| N.L. Cajon 0+00 | 4.65 | 371.84 Curb & Walk out from 1+39 to 2+04 | | | | (5.0) 366.8 | | 19' (5.4) 366.4 | (5.0) 366.8 | (6.0) 365.8 | (5.4) 366.4 | |
| 1+00 | | | | | | (4.9) 366.9 | 21' (5.0) 366.8 | 20' (5.5) 366.3 | (4.8) 367.0 | (5.3) 366.5 | (4.9) 366.9 | |
| 2+00 | | | | | | (4.9) 367.3 | | 20' (5.2) 366.6 | (4.9) 366.9 | (5.2) 366.6 | (4.6) 367.2 | |
| 3+00 | | | | | | (4.2) 367.6 | | 20' (4.8) 367.0 | (4.3) 367.5 | (4.9) 366.9 | (4.2) 367.6 | |
| 4+00 | | | 3.36 | 368.48 | T.P. | (3.8) 368.0 | | 20' (4.4) 367.4 | (3.8) 368.0 | (4.1) 367.1 | (3.8) 368.0 | |
| | 7.41 | 375.89 | | | | | | | | | | |
| 5+00 | | | | | | (7.1) 368.8 | | 20' (7.7) 368.2 | (7.2) 368.7 | (8.2) 367.7 | (7.4) 368.5 | |
| S.L. Olive 6+07 | | | | | | (6.1) 369.8 | | 20' (7.1) 368.8 | (6.8) 369.1 | (7.4) 368.5 | (7.0) 368.9 | |
| N.L. Olive 6+87 | | | | | | | (6.3) 369.6 | (6.9) 369.0 | (6.7) 369.2 | (7.0) 368.9 | (6.3) 369.6 | |
| 7+87 | | | | | | | (5.5) 370.4 | (6.4) 369.5 | (5.7) 370.2 | (6.7) 369.2 | (5.4) 370.5 | |
| 8+87 | | | | | | | (4.5) 371.4 | (5.1) 370.8 | (4.7) 371.2 | (5.6) 370.4 | (4.3) 371.6 | |
| 9+87 | | | | | | | (3.6) 372.3 | (4.4) 371.5 | (3.7) 372.2 | (4.2) 371.7 | (3.2) 372.7 | |
| 10+87 | | | | | | | (3.2) 372.7 | (3.8) 372.6 | (3.2) 372.7 | (3.8) 372.1 | (2.8) 373.1 | |
| Break in grade 11+07± | | | | | | | (3.1) 372.8 | (3.8) 372.1 | (3.2) 372.7 | (3.9) 372.0 | (2.8) 373.1 | |

## Cross Sections Daley (Con.)

| | | | | | |
|---|---|---|---|---|---|
| 11+87 | | 375.89 | 4.50 | 371.39 | N.L. 20' Olive & Monroe T.P. Curb |
| | 6.99 | 378.38 | | | |
| S.L. Monroe 12+87.8 | | | | | |

## X. Sections Thomas Ave.

| | | | | | |
|---|---|---|---|---|---|
| | | | | 371.39 | T.P. Curb |
| S.L. Monroe 12+87 | 6.99 | 378.38 | | | |
| 11+87 | | | | | |
| 10+87 | | | | | |
| 9+87 | | | 3.13 | 375.25 | T.P. |
| | 4.02 | 379.27 | | | |
| 8+87 | | | | | |
| 7+87 | | | | | |
| N.L. Olive 6+87 | | | | | |
| S.L. Olive 6+07 | | | | | |
| 5+00 | | | | | |
| 4+00 | | | 8.63 | 370.64 | T.P. |
| | 4.14 | 374.78 | | | |
| 3+00 | | | | | |

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| | 20' Curb | Gutter | ℄ | Gutter | 20' Curb |
|---|---|---|---|---|---|
| | 4.5 371.4 | 4.8 371.1 | 4.4 371.5 | 5.2 370.7 | 4.0 371.9 |
| | 8.7 369.7 | 9.1 369.3 | 8.6 369.8 | 8.8 369.6 | 8.1 370.3 |

West. P.L. — W.L. Thomas bet Olive & Monroe — East. P.L.

| | | | | | |
|---|---|---|---|---|---|
| | | 20' | ℄ | Gutter | 20' Curb |
| | 3.7 374.7 | 7.6 373.8 | 4.0 374.4 | 4.0 373.5 | 4.3 374.1 |
| | 2.6 375.8 | 3.5 374.9 | 2.9 375.5 | — | 3.8 374.6 |
| | 2.7 375.7 | 3.4 375.0 | 2.4 376.0 | 3.4 375.0 | 3.1 375.3 |
| | 2.4 376.0 | 3.5 374.9 | 2.3 375.6 | 3.6 374.8 | 3.1 375.3 |
| | 3.6 375.7 | 4.8 374.5 | 4.1 375.2 | 4.8 374.5 | 4.4 374.9 |
| | 4.3 375.0 | 21' 4.3 375.0 5.1 374.2 | 4.3 375.0 | | 4.9 374.4 |
| | 5.0 374.3 | 21' 5.2 374.1 6.0 373.3 | 5.2 374.1 | 6.3 373.0 | 5.5 373.8 |
| | 6.0 373.3 | 21' 6.1 373.2 7.0 372.3 | 6.3 373.0 | 20' 6.8 372.5 | 6.6 372.7 |
| | 7.4 371.9 | 21' 7.4 371.9 8.2 371.1 | 7.3 372.0 | 8.3 371.0 | 8.0 371.3 |
| | 8.2 371.1 | 21' 8.4 370.9 9.3 370.0 | 8.2 371.1 | 9.1 370.2 | 8.6 370.7 |
| | 4.3 370.5 | 5.1 369.7 | 4.5 370.3 | 5.3 369.5 | 5.0 369.8 |

Hyatt. ⊼
Brown.

## Cross Sections Thomas (con.)

| | | | | | | West. P.L. | 20' | ℄ | 20' | East P.L. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2+00 | | 374.78 | | | | (5.4) 369.4 | (5.9) 368.9 | (4.9) 369.9 | (5.7) 369.1 | (6.1) 368.7 |
| 1+00 | | | | | | (5.5) 369.3 | (5.6) 369.2 | (5.0) 369.8 | (6.3) 368.5 | (5.7) 369.1 |
| N.L. Cajon 0+00 | | | | | | (4.6) 370.2 | (5.4) 369.4 | (5.1) 369.7 | (5.6) 369.2 | (5.3) 369.5 |
| | | | 3.33 | 371.45 | B.M. | Spike in pole #1202 S.L. Cajon East Thomas. | | | | |
| | | | Marked | 371.47 .02 | | | | | | |

## X Sections OLive.

| | | | | | | North. P.L. | 26' | ℄ | 26' | South. P.L. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 368.50 | B.M. | " " at alley S.L. Olive bet Daley & 4th. | | | | |
| W.L. 4th. 0+00 | 5.93 | 374.43 | | | | (4.4) 370.0 | (27') (4.7) 369.7 (5.7) 368.7 | (5.5) 368.9 | | (6.5) Curb return. 367.9 |
| 1+00 | | | | | | (5.0) 369.4 | (6.3) 368.1 | (5.5) 368.9 | (6.6) 367.8 | (6.5) 367.9 |
| 2+00 | | | | | | (5.5) 368.9 | (6.2) 368.2 | (5.3) 369.1 | (6.5) 367.9 | (5.3) 369.1 |
| E.L. Daley 2+65 | | | | | | (4.7) 369.7 | Top curb return (4.9) 369.5 (25') (5.8) 368.6 | (5.1) 369.3 | (25') (6.0) 368.4 (5.6) Curb return 368.8 | (5.4) 369.0 |
| W.L. Daley. 0+00 | | | | | | (4.7) 369.7 | Curb return (4.9) 369.5 (25') (5.3) 369.1 | (4.4) 370.0 | (4.9) 369.5 | (4.7) 369.7 |
| 1+00 | | | | | | (3.1) 371.3 | (4.1) 370.3 | (3.4) 371.0 | (4.3) 370.1 | (4.0) 370.4 |
| 2+00 | | | 1.42 | 373.01 | T.P. | (1.9) 372.5 | (2.8) 371.6 | (2.2) 372.2 | (3.0) 371.4 | (2.6) 371.8 |
| | 7.81 | 380.82 | | | | | | | | |
| E.L. Thomas 2+65 | | | | | | (6.8) 374.0 | Curb return (7.1) 373.7 (25') (7.6) 373.2 | (7.6) 373.2 | (8.5) 372.3 | (8.1) 372.7 |
| W.L. Thomas. 0+00 | | | | | | (6.5) 374.3 | (7.4) 373.4 | (7.0) 373.8 | (7.8) 373.0 | (7.6) 373.2 |
| 1+00 | | | | | | (5.7) 375.1 | (6.5) 374.3 | (6.1) 374.7 | (6.9) 373.9 | (6.5) 374.3 |
| 2+00 | | | | | | (4.8) 376.0 | (5.4) 375.4 | (5.0) 375.8 | (6.2) 374.6 | (5.7) 375.1 |
| 2+65 E.L. Reed. | | | 6.57 | 374.25 | T.P. Peg Sta 3+00 E.L. Reed. | (3.9) 376.9 | (4.3) 376.5 | (4.0) 376.8 | (5.1) 375.7 | (4.8) 376.0 |
| | | | Marked | 374.31 .06 | | | | | | |

Cut & Fills Olive Ave.

| | | | | | |
|---|---|---|---|---|---|
| | | | | 374.31 | T.P. |
| E.L. Reed. 0+00 | 4.88 | 379.19 | | | |
| 0+50 | | | | | |
| 1+00 | | | | | |
| 1+50 | | | | | |
| 2+00 | | | | | |
| W.L. Thomas. 2+65 | | | | | |
| E.L. Thomas. 3+25 | | | | | |
| 3+50 | | | | | |
| 4+00 | | | | | |
| 4+50 | | | | | |
| 5+00 | | | | | |
| 5+50 | | | | | |
| W.L. Daley. 5+90 | | | 9.56 | 369.63 | T.P. |
| Curb return 5+90 | 4.36 | 373.99 | | | |
| E.L. Daley 6+50 | | | | | |
| 7+00 | | | | | |
| 7+50 | | | | | |

Hyatt Brown Aug 31, '14.

| Peg Sta. | Curb Grade 3+00 | North E.L. Reed. | South | Curb Grade | |
|---|---|---|---|---|---|
| +0.5 | 376.5 | 2.2 377.0 | 3.1 376.1 | 376.2 | -0.1 |
| +0.2 | 376.08 | 2.9 376.3 | 3.8 375.4 | 375.64 | -0.2 |
| +0.1 | 375.67 | 3.4 375.8 | 4.3 374.9 | 375.10 | -0.2 |
| +0.1 | 375.25 | 3.9 75.3 | 4.7 374.5 | 374.55 | 0.00 |
| 0.00 | 374.84 | 4.4 374.8 | 5.3 373.9 | 374.01 | -0.1 |
| +0.1 | 374.3 | 4.8 374.4 | 6.0 373.2 | 373.3 | -0.1 |
| +0.1 | 373.8 | 5.3 373.9 | 6.5 372.7 | 372.8 | -0.1 |
| 0.00 | 373.39 | 5.8 373.4 | 7.0 372.2 | 372.44 | -0.2 |
| +0.2 | 372.60 | 6.4 372.8 | 7.4 371.8 | 371.75 | 0.00 |
| +0.2 | 371.81 | 7.2 372.0 | 7.8 371.4 | 371.05 | +0.4 |
| +0.5 | 371.02 | 7.7 371.5 | 8.7 370.5 | 370.36 | +0.1 |
| +0.5 | 370.23 | 8.5 370.7 | 9.0 370.2 | 369.66 | +0.5 |
| 0.00 | 369.6 | 9.6 369.6 14' Curb 4.43 369.56 | 9.4 369.8 | 369.1 | +0.7 |
| +0.1 | 369.5 | 4.4 369.6 Curb 14' (4.4) 369.6 | 5.1 368.9 Curb 14' (4.9) 369.1 | 368.9 | +0.2 |
| -0.1 | 369.55 | 4.6 369.4 | 5.2 368.8 | 368.71 | +0.1 |
| -0.6 | 369.61 | 5.0 369.0 | 6.0 368.0 | 368.52 | -0.5 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | North. | ℄ South | | | |
| 8+00 | | 373.99 | | | | -0.4 | 369.66 | 4.7 369.3 | 5.7 368.3 | | 368.33 | 0.00 |
| 8+50 | | | | | | +0.2 | 369.72 | 4.1 369.9 | 4.8 369.2 | | 368.14 | +1.1 |
| W.L. 4th. 9+15 | | | | | | +0.1 | 369.8 | 4.1 369.9 | Curb 4.2 369.8 | (14' Curb) 6.05 67.94 | 5.8 368.2 | 367.9 | +0.3 |
| | | | | | | | | | ℄ | | | |
| E.L. 4th 9+95 | | | | | | +0.5 | 370.0 | 3.5 370.5 | (4.4) 369.6 | Curb 14 (5.9) 368.1 | 5.6 368.4 | 368.1 | +0.3 |
| 10+50 | | | | | | +0.7 | 369.76 | 3.5 370.5 | | 4.5 369.5 | | 368.3 | +1.2 |
| 11+00 | | | | | | +1.9 | 369.54 | 2.6 371.4 | 3.7 370.3 | 4.2 369.8 | | 368.5 | +1.3 |
| ℄ Alley. 11+27.5 | | | | | | +2.0 | 369.4 | 3.6 370.4 | 3.8 370.2 | 4.4 369.6 | | 368.6 | +1.0 |
| | | | 5.45 | 368.54 | B.M. | Spike in pole at alley bet Daley & 4th S.L. Olive. | | | | | | |
| | | | Mark 1 | 368.50 .04 | | | | | | | | |

Levels on Monroe (Reed - 4th)

| | + | H.I. | − | Elev. | S.E. Cor. Olive & Reed |
|---|---|---|---|---|---|
| T.P. | 7.84 | 383.97 | | 376.13 | |
| T.P. | | | 4.14 | 379.83 | |
| | 2.67 | 382.50 | | | |
| E.L. Reed 0+00 | | | | | |
| 0+50 | | | | | |
| 1+00 | | | | | |
| 1+50 | | | | | |
| 2+00 | | | | | |
| W.L. Thomas 2+65 | | | | | |
| E.L. Thomas 3+25 | | | | | |
| +50 | | | | | |
| 4 | | | | | |
| T.P. +57.5 | | | 10.82 | 371.68 | |
| 5 | 4.92 | 376.60 | | | |
| +50 | | | | | |
| W.L. Daley +90 | | | | | |
| E.L. Daley 6+50 | | | | | |
| 7 | | | | | |
| +50 | | | | | |

(10) A.H. Graf Knudtson 8/28/19

10

| S.L. | Grade | + or − |
|---|---|---|
| 2.5 | | |
| 380.0 | 379.7 | +0.3 |
| 2.7 | | |
| 379.8 | 378.71 | +1.1 |
| 4.2 | | |
| 378.3 | 377.73 | +0.6 |
| 5.4 | | |
| 377.1 | 376.75 | +0.4 |
| 6.4 | | |
| 376.1 | 375.77 | +0.3 |
| 7.8 | | |
| 374.7 | 374.5 | +0.2 |
| 8.7 | | |
| 373.8 | 374.0 | −0.2 |
| 9.3 | | |
| 373.2 | 373.24 | 0.00 |
| 9.4 | | |
| 373.1 | 371.73 | +1.4 |
| 10.8 | | |
| 371.7 | 370.0 | +1.7 |
| 5.7 | | |
| 370.9 | 369.87 | +1.0 |
| 6.9 | | |
| 369.7 | 369.72 | 0.00 |
| 7.2 | | |
| 369.4 | 369.6 | −0.2 |
| 6.3 | | |
| 370.3 | 370.3 | 0.00 |
| 5.7 | | |
| 370.9 | 370.75 | +0.2 |
| 4.4 | | |
| 372.2 | 371.20 | +1.0 |

Levels on Monroe (Cont'd).

| | + | H.I. | − | Elev. |
|---|---|---|---|---|
| 8 | | 376.60 | | |
| +50 | — | | | |
| W.L. 4th | | | | |
| 9+15 | | | | |
| E.L. 4th | | | | |
| +55 | | | | |
| T.P. at 4:57.5 | 6.56 | 378.24 | | 371.68 |
| T.P. | | | 7.79 | 370.45 |
| | 4.04 | 379.49 | | |
| T.P. | | | 8.40 | 366.09 |
| | 5.69 | 371.78 | | |
| B.M. | | [illegible] | 5.17 | (366.65) 366.61 |

| | S.L. | Grade | + or − |
|---|---|---|---|
| | 4.2 | | |
| | 372.4 | 371.65 | +0.8 |
| | 4.3 | | |
| | 372.1 | 372.10 | 0.00 |
| | 3.3 | | |
| | 373.3 | 372.7 | +0.6 |
| | 4.2 | | |
| | 372.4 | 371.8 | +0.6 |

Hyatt * Aug 31, 14.
Brown

(Cut & Fills) Levels on Daley Cajon – Olive.

367.19 B.M. Spike in pole S.E. Rexmore & Cajon.

| | | Curb grade. | West. | East |
|---|---|---|---|---|
| N.L. Cajon. 0+00 | 4.90 | 372.09 | | |
| | | | 5.6 | |
| | | | 366.5 | |
| 0+50 | | | | |
| | | | 5.3 | |
| | | | 366.8 | |
| 1+00 | | | | |
| | | | 5.2 | |
| 1+39 | | | | |
| | | | 5.1 | End of Curb. |
| 1+50 | | | | |
| | | | 5.1 | |
| 2+00 | | | | |
| | | | 4.8 | |

| | | |
|---|---|---|
| −0.2 | 366.7 | 366.5 |
| −0.1 | 366.9 | 366.8 |
| −0.2 | 367.1 | 366.9 |
| −0.3 | 367.3 | 367.0 |
| −0.2 | 367.5 | 367.3 |

## Cut & Fills on Daley (Con.)

| | + | HI | − | Elev | |
|---|---|---|---|---|---|
| 2+04 | | 372.09 | | | |
| 2+50 | | | | | |
| 3+00 | | | | | |
| 3+50 | | | | | |
| 4+00 | | | | | |
| 4+50 | | | | | |
| 5+00 | | | | | |
| 5+50 | | | | | |
| 6+07 | | | 0.63 | 371.46 | B.M. |
| | | | | Marked 371.47 .01 | |

## Cut & Fills Thomas Ave. Cajon - Monroe

| | + | H.I. | − | Elev. | |
|---|---|---|---|---|---|
| B.M. | | | | 371.47 | |
| | 3.67 | 375.14 | | | |
| N.L. Cajon. 0+00 | | | | | |
| 0+50 | | | | | |
| 1+00 | | | | | |
| 1+50 | | | | | |
| 2+00 | | | | | |

| | | Curb Grade West | East. 4.8 | End of Curb | |
|---|---|---|---|---|---|
| −0.4 | 367.7 | 4.8 367.3 | | | |
| −0.3 | 367.9 | 4.5 367.6 | | | |
| −0.3 | 368.1 | 4.3 367.8 | | | |
| −0.4 | 368.3 | 4.2 367.9 | | | |
| −0.2 | 368.5 | 3.8 368.3 | | | |
| +0.1 | 368.7 | 3.3 368.8 | | | |
| +0.5 | 368.9 | 2.7 369.4 | | | |
| +0.6 | 369.1 | 2.4 369.7 | | | |

Spike in pole #1202 S.L. Cajon E Thomas.

Hyatt & Brown Sept. 3, 14.

| Spike in pole | | #1202 | S.L. Cajon East | | E.L. Thomas |
|---|---|---|---|---|---|
| | | West. 4.9 | East. 5.7 | | |
| +0.8 | 369.4 | 370.2 | 369.4 | 369.0 | +0.4 |
| +0.1 | 369.72 | 5.8 369.8 | 5.8 369.3 | 369.31 | 0.00 |
| −0.7 | 370.04 | 5.8 369.3 | 6.1 369.0 | 369.63 | −0.6 |
| −1.2 | 370.36 | 5.9 369.2 | 6.4 368.7 | 369.94 | −1.2 |
| −1.3 | 370.68 | 5.7 369.4 | 6.2 368.9 | 370.25 | −1.4 |

| | Cut & Fills. | Thomas Ave. (Con.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | HI | − | Elev | | S.B.1.1 | Curb grade | West | East | Curb grade | |
| 2+50 | | 375.14 | | | | −0.1 | 371.00 | 5.2 369.9 | 5.8 369.3 | 370.56 | −1.3 |
| 3+00 | | | | | | −0.8 | 371.32 | 4.6 370.5 | 5.2 369.9 | 370.87 | −1.0 |
| 3+50 | | | | | | −1.0 | 371.64 | 4.5 370.6 | 4.6 370.5 | 371.18 | −0.7 |
| 4+00 | | | | | | −0.9 | 371.96 | 4.0 371.1 | 4.4 370.7 | 371.49 | −0.8 |
| 4+50 | | | | | | −1.0 | 372.28 | 3.8 371.3 | 4.5 370.6 | 371.80 | −1.2 |
| 5+00 | | | | | | −0.7 | 372.60 | 3.2 371.9 | 3.8 371.3 | 372.11 | −0.8 |
| 5+50 | | | | | | −1.0 | 372.92 | 3.2 371.9 | 3.1 372.0 | 372.42 | −0.4 |
| St. Olive 6+07 | | | | | | −0.2 | 373.3 | 2.0 373.1 | 2.6 372.5 | 372.8 | −0.3 |
| T.P. | | | 2.51 | 372.63 | Peg | Sta 6+07 | El. Thomas. | | 20' 6.5 | | |
| 6+87 | 7.62 | 380.25 | | | | 0.00 | 374.3 | 5.9 374.3 | 373.7 | Top curb. | |
| 7+37 | | | | | | +0.2 | 374.51 | 5.5 374.7 | | | |
| 7+87 | | | | | | +0.4 | 374.73 | 5.1 375.1 | | | |
| 8+37 | | | | | | +0.6 | 374.95 | 4.7 375.5 | | | |
| 8+87 | | | | | | +0.4 | 375.16 | 4.6 375.6 | | | |
| 9+37 | | | | | | +0.3 | 375.38 | 4.5 375.7 | | | |
| 9+87 | | | | | | +0.4 | 375.59 | 4.2 376.0 | | Break in grade | |
| 10+37 | | | | | | +0.2 | 375.80 | 4.2 376.0 | 20' 4.75 375.50 | Top Curb 375.5 | |
| 10+87 | | | | | | +0.4 | 375.54 | 4.3 375.9 | | | |
| 11+37 | | | | | | +0.7 | 375.28 | 4.2 376.0 | | | |

## Cut + Fills Thomas Ave (Con.)

| | + | HI | − | Elev. |
|---|---|---|---|---|
| 11+87 | | 380.25 | | |
| 12+37 | | | | |
| 12+87 | | | | |
| B.M. | | | 7.87 | 372.38 |

## Levels on Cajon Ave. (Reed - 4th)

| | + | H.I. | − | Elev. |
|---|---|---|---|---|
| B.M. | | | | 371.47 |
| | 3.36 | 374.83 | | |
| E.L. Reed. 0+00 | | | | |
| 0+50 | | | | |
| 1+00 | | | | |
| 1+50 | | | | |
| 2+00 | | | | |
| W.L. Thomas 2+65 | | | | |
| E.L. Thomas. 3+25 | | | | |
| 3+50 | | | | |
| 4+00 | | | | |
| 4+50 | | | | |

| | | West | East. | | |
|---|---|---|---|---|---|
| | | 4.3 | | | |
| +0.9 | 375.02 | 375.9 | | | |
| | | 4.7 | | | |
| +0.7 | 374.76 | 375.5 | 20' 6.25 | | |
| | | 5.6 | | | |
| +0.1 | 374.5 | 374.6 | 374.00 | 374.0 Curb return. | |

Spike in pole in alley bet Daley & Thomas S.L. Monroe

Hyatt Brown Sept. 3, 14.

Spike in pole #1202 S.L. Cajon East E.L. Thomas

| | | 60' North R.L. | | | | ℄ |
|---|---|---|---|---|---|---|
| | | 2.8 | 55' 2.8 | 50' 3.6 | 45' 2.4 | 1.8 |
| −0.7 | 372.7 | 372.0 | 372.0 | 371.2 | 372.4 | 373.0 |
| | | 3.2 | | | | |
| −0.5 | 372.07 | 371.6 | | | | |
| | | 3.4 | 55' 3.7 | 48' 4.5 | 43' 2.9 | 2.4 |
| 0.00 | 371.45 | 371.4 | 371.1 | 370.3 | 371.9 | 372.4 |
| | | 4.1 | | | | |
| −0.1 | 370.83 | 370.7 | | | | |
| | | 4.2 | 55' 4.2 | 50' 5.3 | 40' 3.8 | 3.4 |
| −0.4 | 370.21 | 370.6 | 370.6 | 369.5 | 371.0 | 371.4 |
| | | 4.6 | 55' 4.5 | 50' 6.0 | 45' 4.4 | 3.9 |
| +0.8 | 369.4 | 370.2 | 370.3 | 368.8 | 370.4 | 370.9 |
| | | 5.3 | 55' 5.0 | 50' 5.7 | 45' 4.9 | 4.3 |
| +0.5 | 369.0 | 369.5 | 369.8 | 369.1 | 369.9 | 370.5 |
| | | 5.6 | | | | |
| +0.4 | 368.77 | 369.2 | | | | |
| | | 6.0 | 55' 6.0 | 50' 6.8 | 45' 5.2 | 4.8 |
| +0.5 | 368.34 | 368.8 | 368.2 | 368.0 | 369.6 | 370.0 |
| | | 6.5 | | | | |
| +0.4 | 362.91 | 368.3 | | | | |

## Levels on Cajon (Con.)

| | + | H.I. | − | Elev |
|---|---|---|---|---|
| 5+00 | | 374.83 | | |
| 5+50 | | | | |
| W.L. Daley | | | | |
| 5+90 | | | | |
| B.M. | | | 7.66 | 367.17 |
| | | | | Marked 67.19 |
| E.L. Daley | | | | |
| 6+90 | 5.00 | 372.17 | | |
| 7+00 | | | | |
| 7+50 | | | | |
| 8+00 | | | | |
| 8+50 | | | | |
| W.L. 4th. | | | | |
| 9+15 | | | | |
| E.L. 4th | | | | |
| 9+95 | | | | |
| 10+50 | | | | |
| 11+00 | | | | |
| ℄ alley bet 4th & Hugo. | | | | |
| 11+275 | | | | |
| B.M. | | | 5.54 | 366.63 |
| | | | | Marked 66.65 |
| | | | | .02 |

| | Curb Grade | 80' North P.L. | 55' | 50' | 45' | ℄ |
|---|---|---|---|---|---|---|
| | | 7.2 | 7.2 | 7.8 | 6.2 | 5.7 |
| +01 | 367.48 | 367.6 | 367.6 | 367.0 | 368.6 | 369.1 |
| | | 7.5 | | | | |
| +03 | 367.05 | 367.3 | | | | |
| | | 8.3 | 55' 7.8 | 50' 8.5 | 45' 7.2 | 6.4 |
| −02 | 366.7 | 366.5 | 367.0 | 366.3 | 367.6 | 368.4 |
| Spike in pole S.E. Rexmere & Cajon. | | | | | | |
| | | 5.7 | | 50' 5.5 | 45' 5.9 | 4.4 |
| 0.00 | 366.5 | 366.5 | | 366.7 | 366.9 | 367.8 |
| | | 5.8 | | | | |
| 0.00 | 366.41 | 366.4 | | | | |
| | | 5.7 | | 50' 5.5 | 45' 6.1 | 40' 4.9 | 4.6 |
| +0.2 | 366.34 | 366.5 | | 366.7 | 366.1 | 367.3 | 367.6 |
| | | 5.8 | | | | |
| +0.1 | 366.26 | 366.4 | | | | |
| | | 5.8 | | 50' 5.3 | 45' 6.4 | 40' 5.1 | 4.8 |
| +0.2 | 366.19 | 366.4 | (Curb) | 366.9 | 365.8 | 367.1 | 367.4 |
| | | 5.9 | 60' 6.1 | 50' 5.9 | 45' 6.4 | 40' 5.2 | 4.9 |
| +0.2 | 366.1 | 366.3 | 366.1 | 366.3 | 365.8 | 367.0 | 367.3 |
| | | 6.1 | 55' 5.9 | 50' 60 | 45' 6.9 | 40' 5.7 | 5.2 |
| −0.4 | 366.5 | 366.1 | 366.5 | 366.2 | 365.3 | 366.5 | 367.0 |
| | | 6.5 | | | | |
| −0.5 | 366.22 | 365.7 | | | | |
| | | 6.6 | | 50' 6.6 | 40' 7.2 | 40' 6.3 | 5.6 |
| −0.4 | 365.98 | 365.6 | | 365.6 | 364.6 | 365.9 | 366.6 |
| | | 6.7 | | 50' 7.0 | 45' 7.6 | 40' 6.6 | 5.8 |
| −0.3 | 365.86 | 365.5 | | 365.2 | 364.6 | 365.6 | 366.4 |

Spike in pole S.E. 4th & Cajon.

Curb Stakes Olive

| Sta | + | H I | − | Elev. |
|---|---|---|---|---|
| B.M. Reed | | | | 376.13 |
| SE Olive | 5.43 | 381.56 | 5.36 | 376.20 |
| NE " | | | 5.06 | 376.50 |
| B.M. Thomas | | | | 376.13 |
| SW. Olive | 5.24 | 381.37 | 8.07 | 373.30 |
| NW " | | | 7.07 | 374.30 |

Curb Stakes Reed -

| | | | | |
|---|---|---|---|---|
| BM | | | | 371.47 |
| SE Reed Cafin - | 6.23 | 377.70 | 5.00 | 372.70 |
| " | 6.55 | 378.02 | 5.32 | 372.70 |
| B.M. | | | | 376.13 |
| SE Olive Reed | 5.20 | 381.33 | 5.13 | 376.20 |
| NE " | | | 4.83 | 376.50 |
| BM | | | | 376.13 |
| T.P - | 6.85 | 382.98 | 2.77 | 380.21 |
| SE Reed Monroe | 3.88 | 384.09 | 4.39 | 379.70 |

Sept 13-1914
Ford -
Graf -
Knudtson -

16

On 6+07 East Line Reed -

Sept 23-1914
Ford
Graf
Knudtson

Spike Pole #1202 E of SE Thomas & Cafin -

On BLK for 6+07 E.L Reed -

" " " "

Bolt in Pole SW Reed & Monroe

Curb Stakes Olive - Thomas - Daley

| Sta | + | HI | − | Elev. | | |
|---|---|---|---|---|---|---|
| B.M. | 2.34 | | | 376.13 | | |
| NW Olive Thomas | 2.34 | 378.47 | 4.15 | 374.32 | SB 374.30 | |
| SE " | | | ✓ 5.67 | 372.80 | | |
| SW Olive Daley | | | ✓ 9.37 | 369.10 | | |
| NW " | | | ✓ 8.87 | 369.60 | To Fit old walk 8.90 369.57 | |
| NE Olive Thomas | | | 4.67 | 373.80 | To Fit old curb 4.71 373.76 | |
| B.M. | | | | 380.21 | | Bolt in Pole SW Reed + Monroe |
| SW Monroe Thomas | 0.74 | 380.95 | 6.45 | 374.50 | | |
| B.M. | | | 5.26 | 375.69 | | ON Peg at Break in grade 250' S of Monroe East L Thomas |
| B.M. | | | | 371.47 | SL Cajon E of E L Thomas Spike Pole | Sept 25 - 1914 Ford Graf Knudtson - |
| N.W. Thomas El Cajon | 3.78 | 375.25 | 5.85 | 369.40 | | |
| N.E. | | | 6.25 | 369.00 | | Peg " " " " " " " |
| B.M. | | | | 375.69 | | |
| W L Thomas 350' N of N L Olive | 2.97 | 278.66 | 3.10 | 375.56 | M = .24 | |

Curb Stakes Daley

| | | | | | | |
|---|---|---|---|---|---|---|
| B.M. | | | | 366.65 | | Spike Pole SE 4th + Cajon - |
| NW Cajon Daley | 4.96 | 371.61 | 4.91 | 366.70 | | |

Sept 24-1914 Ford Graf Knudtson -

Sept 26-1914 Ford - Graf Knudtson

| | + | Hi. | − | Elev | |
|---|---|---|---|---|---|
| | Curb stakes on Olive | | | | |
| | 5.12 | 374.22 | | 369.10 | S.W. Cor Daley + Olive |
| S.E. Cor Daley | | | 5.32 | 368.90 | To fit old curb 5.36 (368.86) |
| T.P. | | | 5.46 | 368.76 | |
| | 5.13 | 373.89 | | | |
| N.W. Cor 4th St. | | | 4.09 | 369.8 | To fit old curb 4.12 |
| | 5.16 | 374.06 | | | S.E. Cor Daley |
| N.E. Cor Daley | | | 4.56 | 369.50 | To fit old curb 4.48 (369.58) |
| | Curb stakes on Monroe | | | | |
| | 3.79 | 384.00 | | 380.21 | |
| S.E. Cor Reed | | | 4.30 | 379.7 | |
| T.P. | | | 7.32 | 376.68 | |
| | 2.31 | 378.99 | | | |
| B.M. | | | 6.82 | 372.17 | |
| | Curb Stakes on Olive | | | | |
| SE Daley Olive | | | | 368.90 | |
| 4th + SW Olive | 5.24 | 374.14 | 6.24 | 367.90 | To fit old curb 6.15 367.99 |
| | Curb stakes, Monroe – | | | | |
| BM Monroe | | | | 380.21 | |
| SE Reed | 3.72 | 383.93 | 4.23 | 379.70 | |

A.H. Graf
Plate
9/29/14

Spike Bolt in pole S.W. Cor Monroe + Reed.

Nail in pole Alley bet Thomas + Daley on S. L. Monroe
Sept 30-1914
Ford
Graf
Knudtson

A. H. Gray
Plate
9/29/14

Checking sub-grade on Daley
(Monroe - Olive)

| N.L. Olive | W. Curb | 1/4 | ℄ | 1/4 | E. Curb |
|---|---|---|---|---|---|
| 0+00 | +0.1 | +0.1 | -0.1 | 0.0 | +0.5 |
| +50 | -0.2 | +0.2 | 0.0 | -0.1 | 0.0 |
| 0+83 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 2 | +0.2 | -0.2 | -0.1 | -0.2 | -0.3 |
| +50 | +0.1 | +0.1 | 0.0 | -0.1 | 0.0 |
| 3 | -0.1 | 00 | +0.1 | -0.1 | -0.2 |
| +50 | +0.2 | +0.3 | +0.2 | +0.1 | -0.2 |
| 4 | -0.1 | +0.2 | 0.2 | 0.0 | -0.1 |
| +50 | 0.0 | 0.0 | +0.5 | +0.1 | 0.0 |
| 5 | -0.1 | +0.1 | +0.2 | +0.1 | -0.1 |
| +50 | +0.1 | +0.1 | +0.2 | 0.0 | -0.1 |
| S.L. Monroe 6+00 | +0.1 | 0.0 | +0.2 | 0.0 | -0.1 |

℄ 1½" below mean elevation of curbs.

Checked OK 11.20 A.M. Sept 30 - 1914
Ford

Curb Stakes Monroe

| Sta | + | HI | − | Elev | |
|---|---|---|---|---|---|
| BM | | | | 380.21 | |
| | 403 | 384.24 | GR= 4.54 | ~~374.50~~ | |
| SW ~~Monroe~~ Thomas | | | 9.74 | 374.50 | |
| BM | | | | 372.17 | |
| SE Thomas Monroe | 2.20 | 374.37 | 0.37 | 374.00 | ✓0.45 373.92 To Fit old Curb |
| Bet Thomas & Daley | | | | | |
| ℄ Alley of SL Monroe | | | 4.37 | 370.00 | |
| NW 4th & Monroe | | | | | |
| Top Curb | | | | 372.70 | |
| A | 4.84 | 377.54 | 5.9 | 371.6 | −.02 |
| C | | | 5.5 | 372.0 | +0.3 |
| B | | | 6.4 | 371.1 | +0.1 |

Sept 30-1914
Ford
Graf
Knudtson

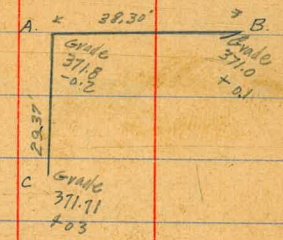


Bolt Pole SW Reed Monroe

Nail Pole Alley SL Monroe Between Thomas & Daley

Monroe

4th

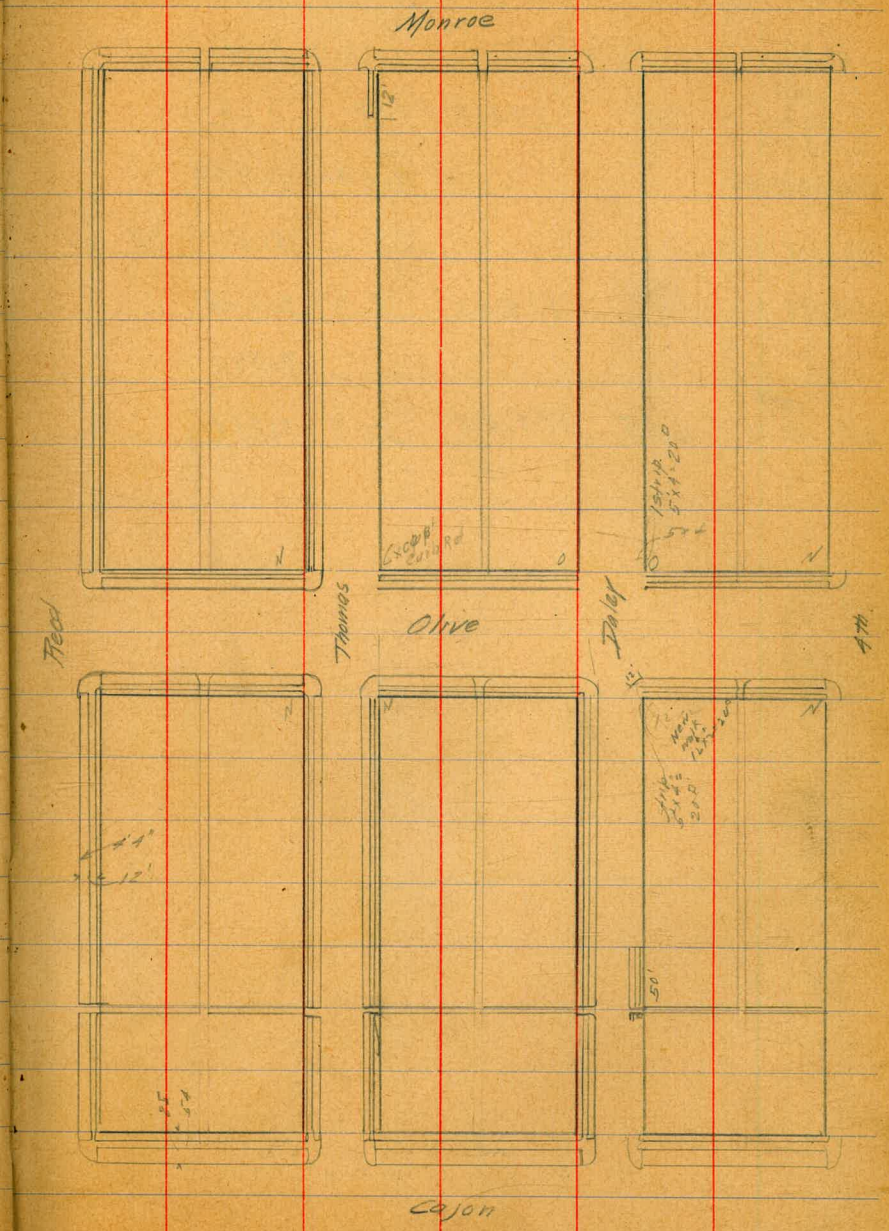


Ford
Graf
Knudtson

21

Curb stakes on El Cajon (Reed - 4th St)

| | + | H.I. | - | Elev | | |
|---|---|---|---|---|---|---|
| B.M. | 4.73 | 371.38 | | 366.65 | | Spike in pole S.E. 4th & El Cajon. |
| N.E. 4th St. | | | 4.88 | 366.50 | | |
| B.M. | | | | 371.47 | | |
| NW Cajon Thomas | 6.12 | 377.59 | ✓ 8.19 | 369.40 | | |
| NE " | | | ✓ 8.59 | 369.00 | | |
| | | | | 371.47 | | |
| NW Cajon Daley | 2.87 | 374.34 | ✓ 7.64 | 366.70 | | |
| NE " | | | ✓ 7.84 | 366.50 | | |
| B.M. | 4.70 | 371.35 | | 366.65 | | Spike in pole S.E. 4th & Cajon |
| N.W. 4th St. | | | 5.25 | 366.10 | to fit old curb 5.18 366.17 | |
| ℄ Alley E of 4th St. | | | 5.50 | 365.85 | | |


Monroe
Reed
Thomas
Olive
Bailey
4th
Cajon

| Sta | + | H.I | − | Elev | |
|---|---|---|---|---|---|
| BM | | | | 368.50 | |
| SE 4th Olive | 4.68 | 373.18 | ✓5.08 | 368.10 | |
| S.L Olive 123' E of EL 4th | | | 4.62 | 368.56 | |
| On Curb Stake NL Olive | | | | 368.10 | SE Olive 4th |
| 123' E of EL 4th | 5.95 | 374.05 | 4.64 | 369.41 | |
| | | | | 368.10 | |
| NE 4th Olive | 6.55 | 374.65 | 5.05 | 369.60 | |

Ford
Hyatt
Graf
Oct 26 1914

Spike Pole SL Olive bet Daley + 4th

Ford-
Oct 27-1914
Hyatt
Graf

Checking Sub Grade Thomas
Olive to Cotton-

| | W Gutter | W 1/4 | ℄ | E 1/4 | E Gutter |
|---|---|---|---|---|---|
| 6+07 | 00 | +2" | 00 | +2" | 00 |
| 5+50 | 00 | 00 | 00 | 00 | 00 |
| 5 | 00 | 00 | 00 | 00 | 00 |
| | 00 | 00 | 00 | 00 | 00 |
| 4 | 00 | 00 | 00 | +1" | 00 |
| | 00 | 00 | -0.1 | 00 | +0.2" |
| 3 | 00 | 00 | -1" | -1" | 00 |
| | 0 | 0 | 0 | 0 | 0 |
| 2 | +2 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | +2 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 |

S. end of culvert across Cajon at 4th St

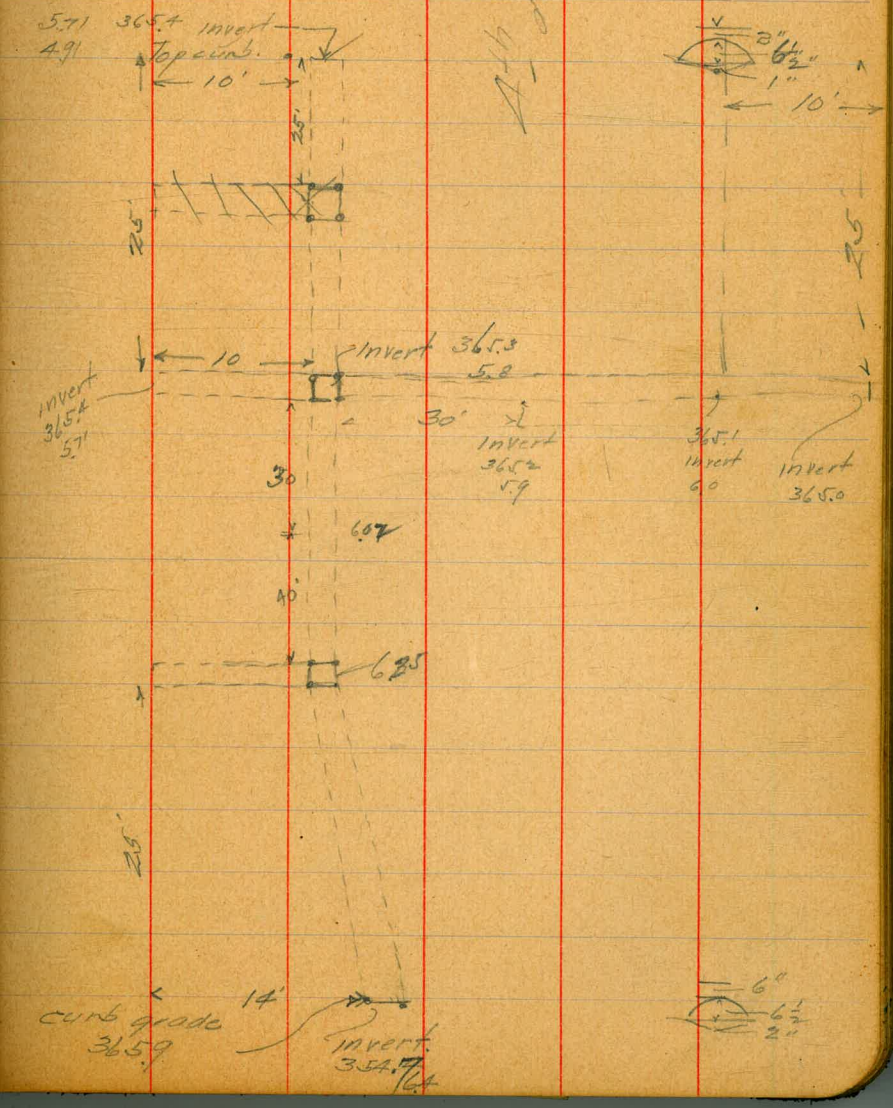
| | + | H.I. | − | Elev | |
|---|---|---|---|---|---|
| | 4.99 | 371.64 | | 366.65 | |
| S.W. Cor | | | 5.74 | 365.90 | |
| Stake 16.45 from P.L. 4' Back from Bot pipe | | | | | |
| | | H.I. | | | |
| | 4.45 | 371.10 | | 366.65 | |
| | | | 4.91 | 366.19 | top curb NW Cor |
| | | | 5.20 | 365.90 | st. top curb SW Cor |
| | | | 6.4 | 354.7 | |
| | | | 4.51 | 366.59 | top curb NE 4th & Cajon |

Culvert across Cajon at 4th St



A.H. Grat
Hyatt

Spike in pole S.E. Cor 4th & Cajon

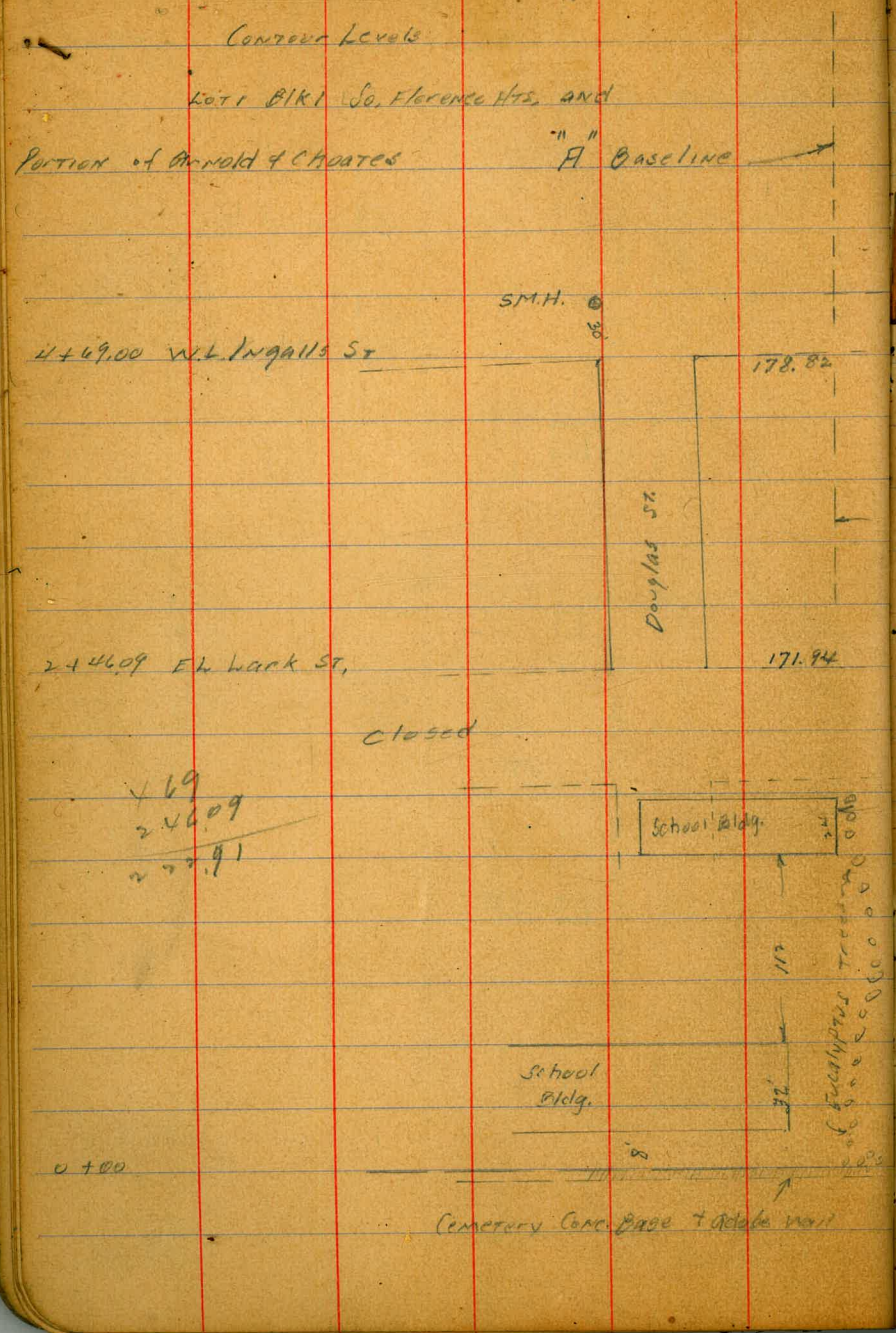


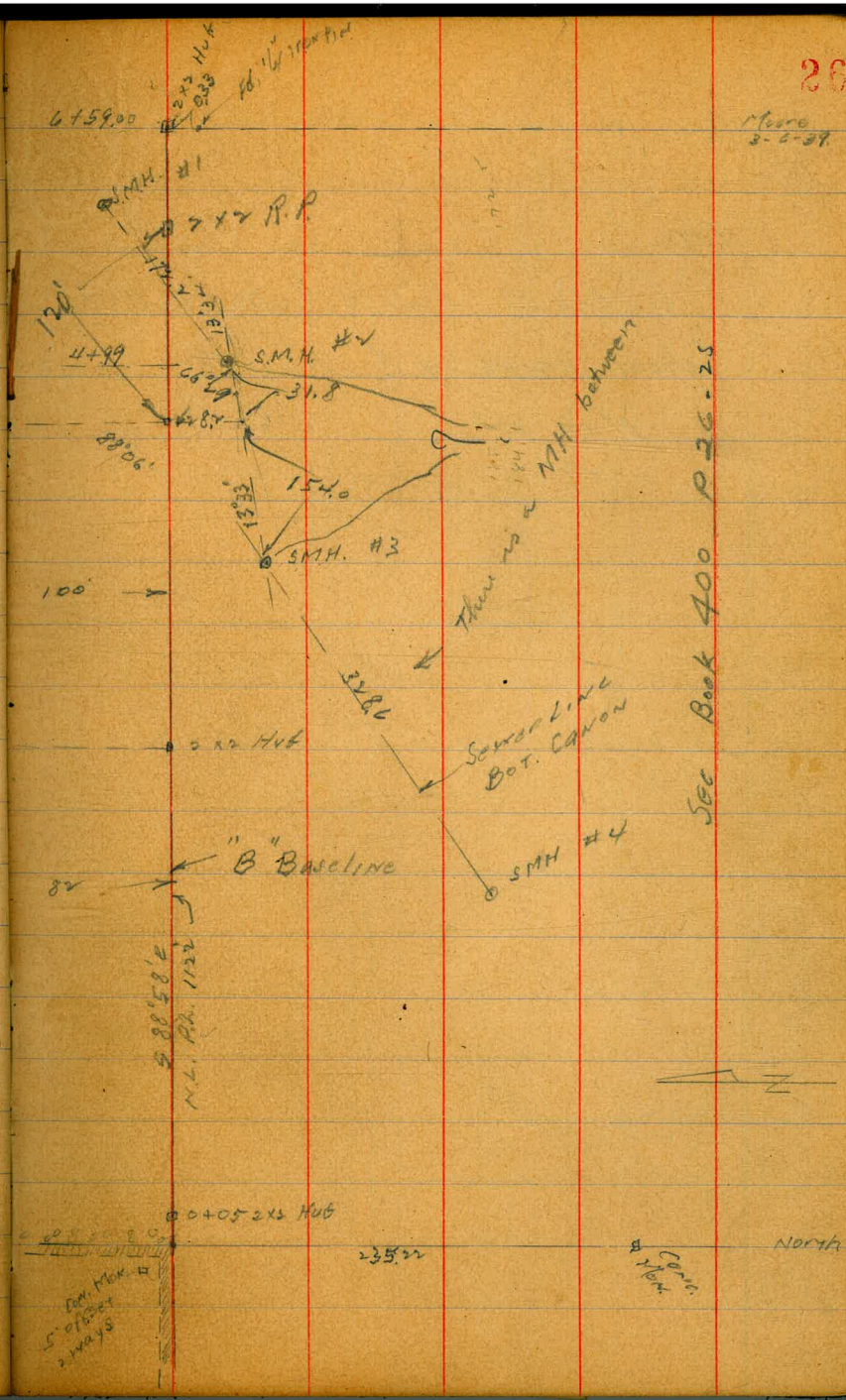
Indexed
C.S.K.

Contour Levels

Lot 1 Blk 1 So. Florence Hts. and

Portion of Arnold & Choates

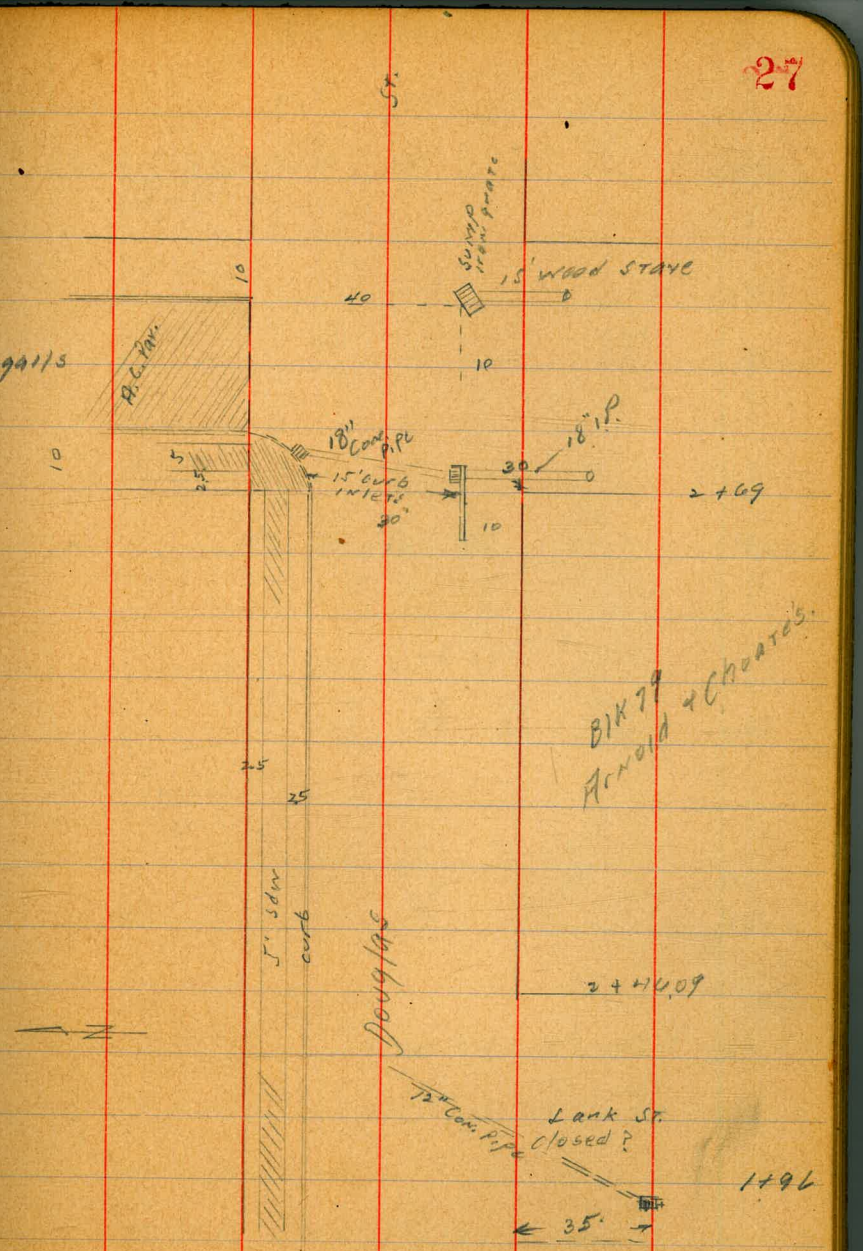



Moore
3-6-39

Note!

Is Blk 79 Arnold & Choate's add.
School Property? Not yet.
Map 334.



Contour Levels

| | | | | | |
|---|---|---|---|---|---|
| 1+96 | | | | | |
| 1+50 | | | | | |
| 1+00 | | | | | |
| 0+50 | | | | | |
| 0+20 | | | | | |
| 0+00 | | | | | |
| T.P. | 3.00 | 261.27 | 12.64 | 258.27 | |
| S.E.B.P. | 0.97 | 270.91 | | 269.94 | Wash. Lark |

LT.

"B" B.L.

28

| | | | | | | |
|---|---|---|---|---|---|---|
| FL OUTLET 12" COND. PIPE OUTLET | 258.67 / 2.60 / 134 | 260.0 / 1.3 / 134 / grate | 257.3 / 4.0 / 62 | 252.8 / 8.5 / 50 | 237.3 / 24.0 / 25 | 228.0 / 33.3 |
| | 260.1 / 1.2 / 79 / Trees | 256.3 / 5.0 / 71 | 245.7 / 15.6 / 50 | 234.8 / 26.5 / 25 | | 225.2 / 36.1 |
| | 261.3 / 0.0 / 94 | 260.3 / 1.0 / 84 / Trees | 258.3 / 3.0 / 83 | 255.5 / 5.8 / 75 | 243.7 / 17.6 / 50 | 223.8 / 37.5 |
| | 262.3 / +1.0 / 111 | 259.4 / 1.9 / 103 / Trees | 238.6 / 22.7 / 67 | 228.3 / 33.0 / 63 | 227.5 / 33.8 / 50 | 214.8 / 46.5 |
| | | 257.8 / 3.5 / 124 | 251.0 / 10.3 / 100 | 236.0 / 25.3 / 50 | | 231.1 / 30.2 |
| | | | 255.7 / 5.6 / 124 | 253.0 / 8.3 / 100 | 246.6 / 14.7 / 50 | 240.0 / 21.3 |

261.27

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3+25 | | CONTd. P 34 | | | | | LT. 256.6 3.0 S.L. Douglas | 248.2 11.4 55 | 240.9 18.7 25 | "A" 237.4 22.2 |
| 2+80 | | | | | | | | 259.2 0.4 S.L. Douglas | 254.1 5.5 62 | 251.0 8.6 35 | 248.6 11.0 |
| T.P. | 9.88 | 259.62 | 11.53 | 249.74 | | | | 259.62 | | | "A" Beg. |
| | | | | | | | | | | End "B" |
| 2+46.09 | | | | | | 260.6 0.7 172 S.L. Douglas | 258.3 3.0 110 | 255.8 5.5 70 | 246.9 14.4 40 | 240.9 20.4 25 | 229.5 31.8 |
| 2+40 | | | | | | | 258.3 3.0 110 | 250.8 10.5 70 | 243.3 18.0 40 | 238.9 22.4 25 | 231.8 29.5 |
| 2+30 | | | | | | | 258.3 3.0 110 | 250.8 10.5 70 | 243.6 17.7 40 | 238.9 22.4 25 | 231.7 29.6 |
| 2+25 | | | | | | | 258.3 3.0 110 | 257.0 4.3 70 | 247.1 14.2 40 | 238.7 22.6 25 | 231.5 29.8 |
| | | 261.27 | | | | | | 261.27 | | | "B" |

4th Street
Final Checks Nov 16-14

Olive. S line -0.0

-0.10/10 0.10 -0.15/12

-0.10

-0.0

-0.0

-0.07

-0.1

N. line 0.0

El Cajon

Daky

Monroe

S. line 0.0

0.0

-0.0

Broad. 0.2

-0.0

-0.2

-0.0

N. line 0.0

Olive

S line 0.0

0.0

-0.0 parking bad

alley -0.0

N line 0.0

El Cajon

| | | Thomas | | | Reed |
|---|---|---|---|---|---|
| Monroe | | | | | |
| S. line | | -0.0 | | | |
| | | -0.0 | | | |
| | | -0.0 | | | |
| | | -0.1 | | | |
| | | -0.1 | | | -0.2 |
| | | -0.0 | | | -0.1 (flat plag) |
| | N. line | -0.2 | | | -0.0 |
| Olive | | | | N. line | -0.0 |
| | S. line | -0.0 | | Olive | |
| | | -0.2 | 50' wide - sag - | S. line | -0.0 |
| | | -0.0 | | | -0.0 |
| | | -0.1 | | | -0.0 |
| | | -0.1 | | | -0.0 |
| | | -0.1 | | | -0.2 |
| | N. line | -0.0 | | | -0.2 |
| El. Cajon | | | | | -0.0 |

Olive

| | | | | |
|---|---|---|---|---|
| ℄ alley | -0.3/10 | -0.2 | | center low |
| | -0.2/10 | -0.0 | | No. 1/3 low<br>No. 1/3 " |
| | E. Line -0.0 | -0.0 | | |
| 4th St. | | | | |
| | W. line 0.0 | -0.0 | | |
| | | -0.2 | | No. 1/3 low |
| ℄ alley | | -0.0 | | |
| | E line | -0.0 | | |
| Daley | | | | |
| | W. line | 0.0 | | |
| | -0.2 | -0.2 | | No 1/3 low |
| ℄ alley | -0.1 | -0.1 | | No 1/3 low |
| | | -0.05 | | |
| E. line | | -0.0 | | |
| Thomas | | | | |
| W. line | | -0.0 | | |
| | | -0.0 | | parking bad |
| ℄ alley | | -0.0 | | |
| E line | | -0.0 | | |
| Reed | | | | |

Monroe

| | | |
|---|---|---|
| Reed | | |
| | Eline | -0.2 |
| Galley | | -0.0 |
| | | -0.0 |

| Station | | | | | |
|---|---|---|---|---|---|
| 5+20 | | | | 249.04<br>10.58<br>gut<br>Par. | 249.68<br>9.94<br>NL Doug<br>curb<br>end |
| 4+99 | ℄ Ingalls | | | | |
| 4+69 | WL Ingalls | | | 246.66<br>12.96<br>FL Box<br>curb | 249.24<br>10.38<br>gut<br>inlet |
| 4+45 | | | | | |
| 4+15 | | | | | |
| 3+70 | | | | | |
| | | 259.62 | | | |

Contd. from P29

LT. "A"

| Station | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5+20 | 246.6<br>13.0<br>FL Box | 248.1<br>11.5<br>sump<br>grate | 249.2<br>10.4<br>SL Doug | 243.4<br>16.2<br>FL outlet<br>18" wood | | | | |
| 4+99 | S curb line Douglas | | 250.0<br>9.6<br>SL Doug | 229.5<br>30.1<br>45 | 225.5<br>34.1<br>25 | 220.6<br>39.0 | | |
| 4+69 | 249.91<br>9.71<br>NCG | 246.08<br>13.54<br>FL<br>Box | 249.28<br>10.34<br>grate | 250.05<br>9.57<br>88.82<br>CG | 249.8<br>9.8<br>78.82<br>SL Doug | 238.7<br>20.9<br>FL<br>outlet | 232.9<br>26.7<br>50 | 227.6<br>32.0<br>25 | 220.6<br>39.0 |
| 4+45 | S curb Douglas | | 250.6<br>9.0<br>SL Doug | 227.9<br>31.7<br>45 | | | 216.5<br>43.1 | | |
| 4+15 | | | 251.6<br>8.0<br>SL Doug | 228.4<br>31.2<br>45 | 221.5<br>38.1<br>25 | | 214.3<br>45.3 | | |
| 3+70 | | 254.2<br>5.4<br>SL Doug | 244.4<br>15.2<br>60 | 239.9<br>19.7<br>44 | 234.9<br>24.7<br>43 | 226.6<br>33.0<br>25 | 216.5<br>43.1 | | |
| | | | | 259.62<br>5 | | | | |

| | | | | |
|---|---|---|---|---|
| 1+15 | | | | |
| 1+00 | | | | |
| 0+50 | | | | |
| 0+00 | | | | |
| T.P. | 0.39 | 237.60 | 12.74 | 237.21 |
| T.P. Rock | 0.21 | 249.95 | 9.88 | 249.74 |
| 5+57 | | | | |
| 5+29 | E.L. Ingalls | | | |

"B" RT.

192.5 / 45.1 / 100 — 185.9 / 51.7 / 150

199.3 / 38.3 / 50 — 196.9 / 40.7 / 100 — 192.9 / 44.7 / 150 — 194.3 / 43.3 / 200 — 185.1 / 52.5 / 235 — 162.1 / 75.5 / 290

220.9 / 16.7 / 45 — 224.5 / 13.1 / 70 — 223.1 / 14.5 / 100 — 215.4 / 22.2 / 150 — 204.5 / 33.1 / 200 — 194.2 / 43.4 / 235 — 173.8 / 63.8 / 285 — 158.4 / 79.2 / 326 Bot.

238.6 / +1.0 / 25 — 242.1 / +4.5 / 50 — 245.1 / +7.5 / 80 — 237.6 / 0.0 / 100 — 225.5 / 12.1 / 150 — 206.7 / 30.9 / 200 — 196.3 / 41.3 / 235 — 179.2 / 58.4 / 285 — 163.2 / 74.4 / 330

157.4 / 80.2 / 350 Bot. Canon

237.60

End "A"

226.2 / 33.4 / 55 — 220.9 / 38.7 / 25 — 211.2 / 48.4

249.6 / 10.0 / NL Doug. — 249.2 / 10.4 / SL Doug. — 226.6 / 33.0 / 45 — 216.5 / 43.1

259.62

| | | | | | |
|---|---|---|---|---|---|
| T.P. Rock #2 | 0.30 | 225.19 | 12.71 | 224.89 | |
| 1+96 | | | | | |
| 1+96 | | | | | |
| 1+80 | | | | | |
| 1+70 | | | | | |
| 1+60 | | | | | |
| 1+50 | | | | | |
| | | 237.60 | | | |

"B" RT.

173.9 168.5 167.9
63.7 69.1 69.7
207 220 23.5 BOT.

219.6 212.2 201.6 198.3 196.1 189.9 178.8 176.4
18.0 25.4 36.0 39.3 41.5 47.7 58.8 61.2
40 60 90 100 133 143 181 184

213.0 203.1 198.4 190.6
24.6 34.5 39.2 47.0
45 85 130 145

207.8 200.4 190.4
29.8 37.2 47.2
85 124 145

206.9 209.4 205.4 197.4
30.7 28.2 32.2 40.2
70 75 95 115

210.0 201.0 187.9. 178.5 173.5 166.6
27.6 36.6 49.7 59.1 64.1 71.0
50 85 135 185 235 275

237.60
5

| | | | | | LT | "B" | | | RT. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4+15 | | | | | 195.0<br>30.2<br>40 | | 190.0<br>35.2 | 185.7<br>39.5<br>42 | 180.5<br>44.7<br>65 Bot. | | | |
| 3+70 | | | | 211.6<br>13.6<br>85 | 217.0<br>8.2<br>58 | 215.0<br>10.2<br>30 | 202.5<br>22.7 | 189.6<br>35.6<br>37 | 187.0<br>38.2<br>40 | 185.0<br>40.2<br>65 | 179.0<br>46.2<br>78 Bot | |
| 3+25 | | | | | 231.9<br>+ 6.7<br>60 | 218.6<br>6.6<br>25 | 208.6<br>16.6 | 192.8<br>32.4<br>40 | 187.2<br>38.0<br>47 | 185.0<br>40.2<br>76 | 177.6<br>47.6<br>100 Bot. | |
| 2+80 | | | | | | 237.6<br>+ 12.4<br>50 | 220.6<br>4.6 | 207.0<br>18.2<br>40 | 190.5<br>34.7<br>85 | 187.2<br>38.0<br>100 | 179.5<br>45.7<br>110 | 174.1<br>51.1<br>135 Bot. |
| 2+46 | | | | | | | | 217.4<br>7.8<br>35 | 202.8<br>22.4<br>85 | 193.5<br>31.7<br>107 | 189.8<br>35.4<br>117 | 180.8<br>44.4<br>135 | 176.2<br>49.0<br>150 | 171.0<br>54.2<br>165 Bot. |
| 2+30 | | | | | | | | 219.9<br>5.3<br>35 | 203.7<br>21.5<br>85 | 194.0<br>31.2<br>107 | 191.0<br>34.2<br>120 | 180.7<br>44.5<br>140 | 175.8<br>49.4<br>150 | 170.5<br>54.7<br>170 Bot. |
| | | 225.19 | | | | | | | 225.19 | | | |

| | | | | | |
|---|---|---|---|---|---|
| check to orig. BM. | | | 0.90 | 269.95 | 269.94 |
| T.P. | 9.47 | 270.85 | 0.77 | 261.38 | |
| T.P. | 12.85 | 262.15 | 0.45 | 249.30 | |
| T.P. | 12.36 | 249.75 | 0.12 | 237.39 | |
| T.P. Rock #2 | 12.62 | 237.51 | 0.30 | 224.89 | |
| 2+99 | E | | | | |
| 4+69 | W.C. Ingalls | | | | |
| 4+25 | | | | | |
| | | 225.19 | | | |

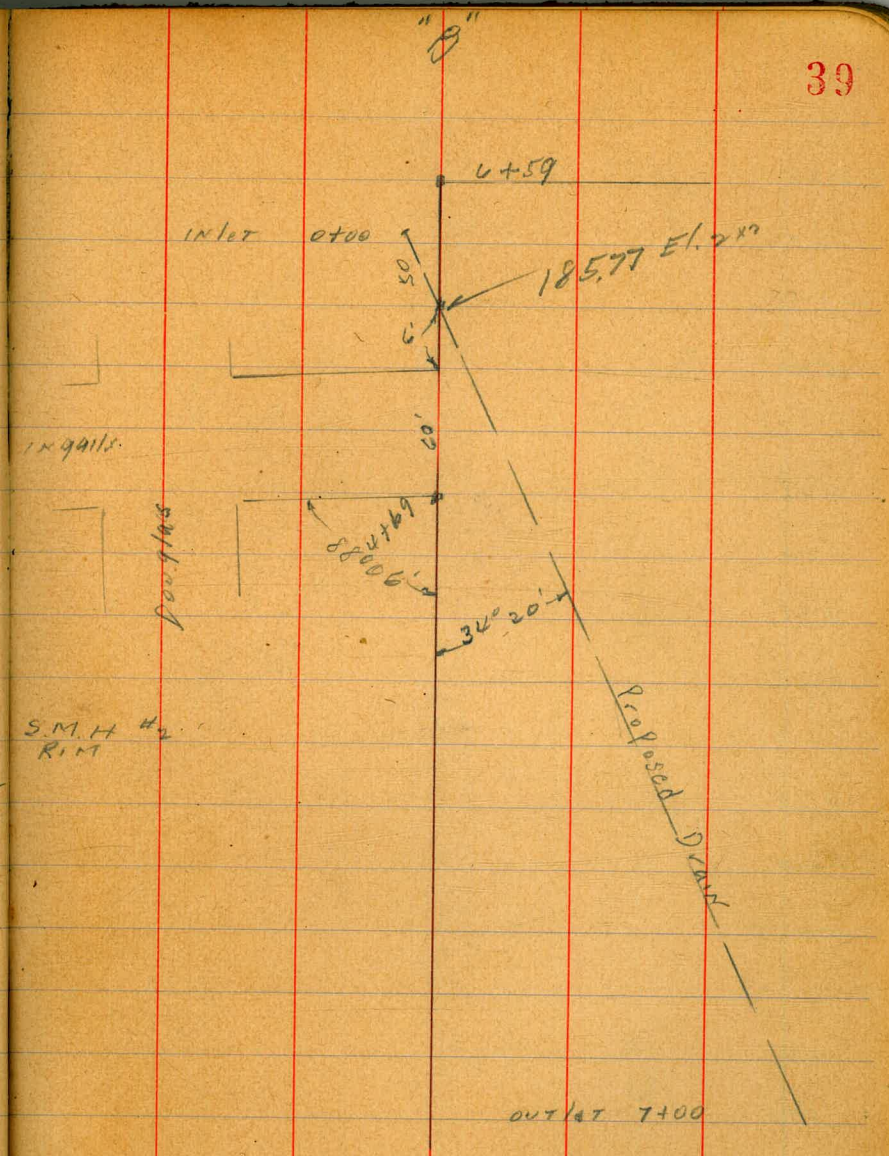
27. "B"



RM S.M.H.

| | | | | |
|---|---|---|---|---|
| 207.1 | 187.0 | 185.5 | 183.8 | |
| 18.1 / 40 | 38.2 | 39.7 / 15 | 41.4 / 35 | BOT. Carrow. |
| 207.1 | 189.0 | 182.6 | | |
| 18.1 / 40 | 34.2 | 42.6 / 60 | | BOT |
| 205.7 | 189.2 | 181.7 | | |
| 19.5 / 50 | 36.0 | 43.5 / 60 | | BOT |
| | 225.19 | | | |

| | | Lt. in wash | ℄ Culv. | | Rt in wash |
|---|---|---|---|---|---|
| Culv. Levels | | | | | 175.4 |
| | | | | | 16.7 / 6 174.7 |
| +50 | | | 14.5 | 175.4 | |
| | | | | | 15.2 / 9 175.9 |
| +20 | | | 9.4 | 180.3 | |
| | | | | | 14.0 / 10 177.5 |
| 3+00 | | | 9.9 | 180.0 | |
| | | | | | 12.6 / 30 178.3 |
| +50 | | | 8.4 | 181.5 | |
| | | | | | 11.6 / 15 |
| +35 | | | 8.1 | 181.8 | |
| +45 | | | 10.7 | 179.2 | |
| 2+00 | | | 10.4 | 179.5 | |
| +50 | | | 7.7 | 182.2 | |
| | | | | | 185.57 |
| 1+00 | | | 6.0 | 183.9 | |
| | | 185.0 | | | 4.35 = / 85 = |
| +88.5 | | | 5.7 | 184.2 | |
| | | 4.9 / 4 185.2 | | | Hub ✓ |
| +50 | | | 4.15 | 185.77 | |
| | | 4.7 / 8 | | | |
| +30 | | | 2.6 | 187.3 | |
| 0+00 | | | 4.7 | 185.2 | |
| T.P. | 2.15 | 189.92 | 12.85 | 187.77 | |
| T.P. | 0.16 | 200.62 | 13.03 | 200.46 | |
| T.P. | 0.00 | 213.49 | 12.74 | 213.49 | |
| T.P. rock P 36 | 1.34 | 226.23 | | 224.89 | |



| | | | | | | LT in wash | ℄ Drain Culv. | Rt in wash |
|---|---|---|---|---|---|---|---|---|
| 7+00 | | | | | | | 159.5 / 19.0 | 156.3 / 22.2 / 6 |
| +52 | | | | | | | 160.8 / 17.7 | 158.0 / 20.5 / 2 |
| 6+48 | | | | | | | 158.1 / 20.4 | |
| +40 | | | | | | 159.8 / 158.3 / 20.2 / 3 | 159.5 / 19.0 | |
| 6 | | | | | | 18.7 / 7 | 162.5 / 16.0 | 165.47 |
| +67 | | | | | | 161.3 / 17.2 / 2 | 163.1 / 15.4 | 13.04 / 5.5 SMH RIM #4 |
| +50 | | | | | | 162.1 / 16.4 / 2 | 164.0 / 14.5 | |
| +35 | | | | | | 163.5 / 15.0 / 7 | 168.5 / 10.0 | |
| +15 | | | | | | 165.9 / 12.6 / 13 | 167.1 / 11.4 | |
| 5 | | | | | | 166.5 / 12.0 / 15 | 170.2 / 8.3 | |
| +75 | | | | | | 167.3 / 11.2 / 9 | 170.0 / 8.5 | |
| +60 | | | | | | | 167.8 / 10.7 | |
| +50 | | | | | | | 168.1 / 10.4 | |
| 4 | | | | | | | 170.5 / 8.0 | |
| +90 | | | | | | | 171.2 / 7.3 | 171.7 / 6.8 / 5 |
| +75 | | | | | | | 175.4 / 3.1 | |
| 3+65 | | | | | | | 172.8 / 5.7 | |
| T.P. | 0.62 | 178.51 | 12.03 | 177.89 | | | 178.51 | |
| | | 189.92 | | | | | | |

Contour Levels

"B"



| | | | | | |
|---|---|---|---|---|---|
| 4+15 | 180.4 / 20.2 / 80 | RT. 187.6 / 13.0 / 97 | 200.2 / 0.4 / 150 | | |
| 3+70 | 179.4 / 21.2 / 100 | 190.1 / 10.5 / 150 | 200.6 / 0.0 / 190 | | |
| 3+25 | 176.0 / 24.6 / 125 | 181.1 / 19.5 / 150 | 200.2 / 0.4 / 220 | | |
| 2+80 | 173.5 / 27.1 / 160 | 180.5 / 20.1 / 200 | 193.0 / 7.6 / 250 | | |
| 2+46 | 171.2 / 29.4 / 200 | 180.2 / 20.4 / 235 | 187.4 / 13.2 / 260 | 195.2 / 5.4 / 283 | 201.8 / + 1.2 / 315 |
| 1+96 | 167.3 / 3.33 / 260 | 176.2 / 24.4 / 295 | 182.4 / 18.2 / 315 | 191.9 / 8.7 / 350 | |
| +50 | | 173.1 / 27.5 / 303 | 175.1 / 25.5 / 315 | 194.2 / 6.4 / 365 | |
| 1+00 | 168.0 / 32.6 / 315 | 172.5 / 28.1 / 335 | 178.5 / 22.1 / 345 | 186.6 / 14.0 / 370 | |
| 0+50 | 168.7 / 31.9 / 350 | 178.5 / 22.1 / 375 | 194.0 / 6.6 / 415 | | |
| 0+00 | 165.5 / 3.51 / 375 | 180.6 / 20.0 / 400 | 190.7 / 9.9 / 430 | | |

200.62

P 39 → 200.62

LT "B" RT

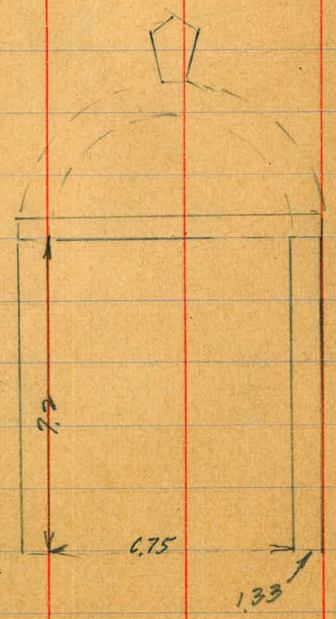
| Station | | | | | | |
|---|---|---|---|---|---|---|
| 6+00 | 201.6 / + 1.0 / 100 | 186.2 / 14.0 / 55 | 192.4 / 8.2 / 35 | 193.4 / 7.2 | 197.1 / 3.5 / 25 | 205.6 / + 5.0 / 50 |
| 5+57 | 200.6 / 0.0 / 60 | 185.1 / 15.5 | 190.6 / 10.0 / 15 | 193.1 / 7.5 / 35 | 200.2 / 0.4 / 50 | |
| 5+29 | 202.0 / + 1.4 / 50 | 185.6 / 15.0 | 185.0 / 15.6 / 15 | 192.4 / 8.2 / 45 | 205.0 / + 4.4 / 80 | |
| 4+99 | 191.4 / 9.2 / 55 | 191.0 / 9.6 / 70 | 197.9 / 2.7 / 75 | 202.1 / + 1.5 / 85 | 206.1 / + 5.5 / 100 | |
| 4+69 | 182.5 / 18.1 / 85 | 195.1 / 5.5 / 92 | 204.1 / + 3.5 / 125 | 211.4 / + 10.8 / 150 | | |
| 4+45 | 180.7 / 19.9 / 80 | 188.4 / 12.2 / 90 | 189.2 / 11.4 / 100 | 194.6 / 6.0 / 105 | 200.6 / 0.0 / 130 | 206.8 / + 6.2 / 150 |

200.62

200.62

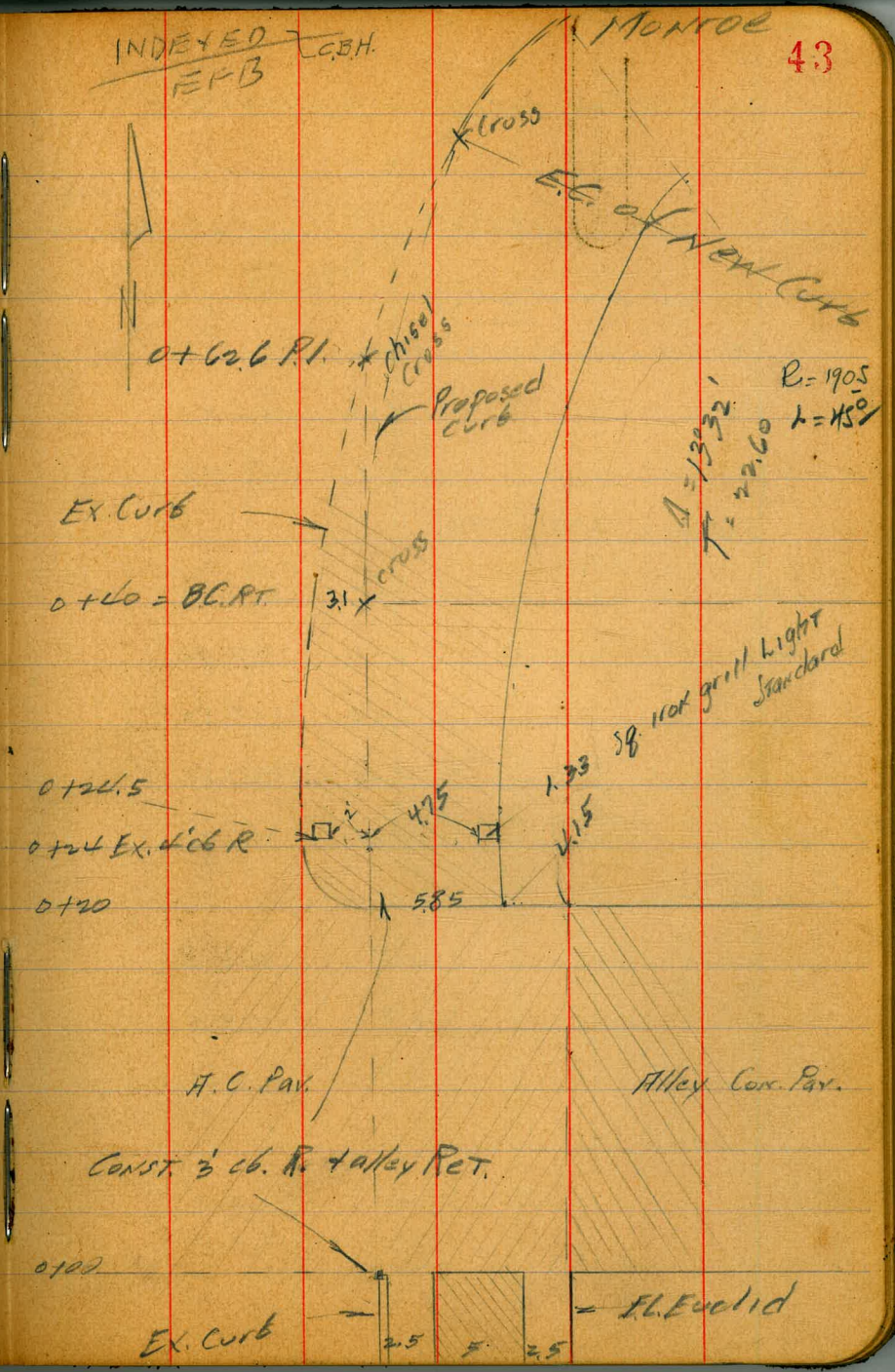
Proposed curb change
E side Euclid
S. of St. Monroe

Moore
7-10-40




Iron Grill Lt. Standard

INDEXED C.B.H.
E-B



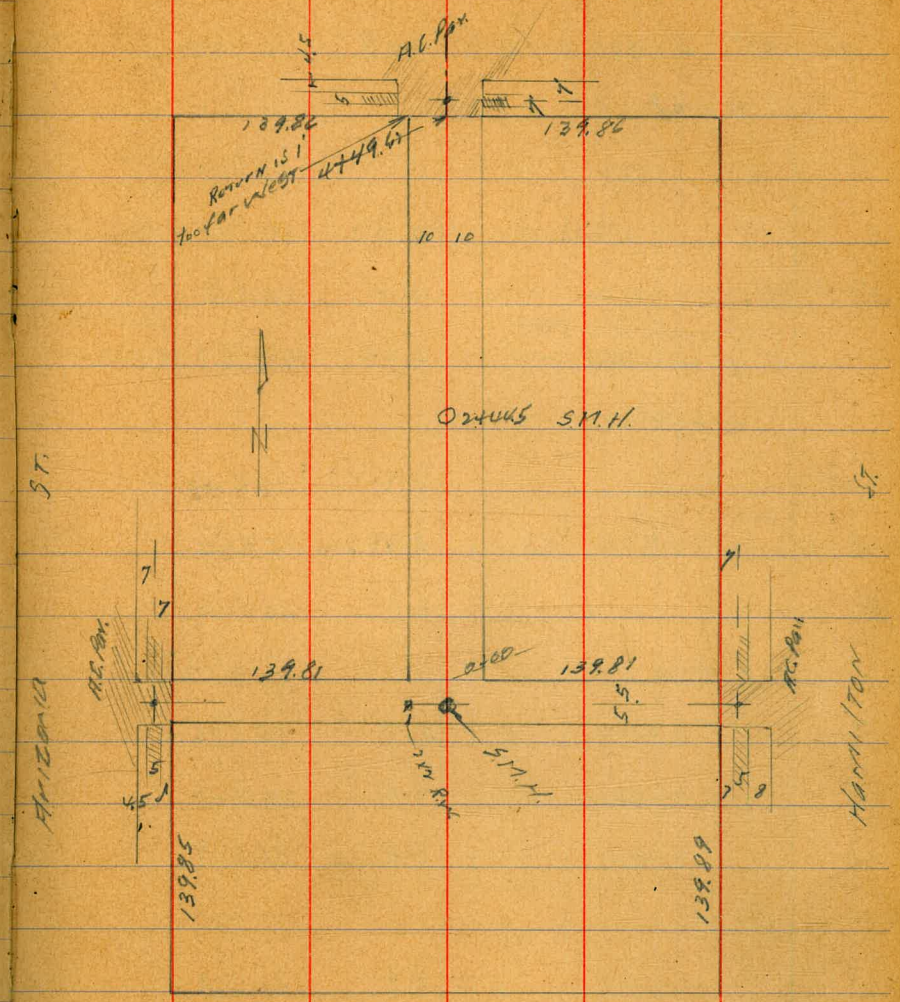
Moore
5-9-39.

Xsec of alleys in Blk 105 U.H.

| | | | | | |
|---|---|---|---|---|---|
| | | | | | El Cajon |
| XCBR. | 3.76 | 372.11 | | 368.35 | Hamilton |
| | 10' E & W alley | | | | |
| | 0+20 = W. cb Hamilton | | | | |
| S | Pav. | | 5.24 | 366.85 | |
| N | " | | 5.17 | 366.94 | |
| | 0+00 | | | | |
| N cb | | | 4.25 | 367.86 | |
| N | Pav. | | 4.41 | 367.70 | |
| C | " | | 4.56 | 367.55 | |
| S | " | | 4.55 | 367.56 | |
| S cb | | | 4.41 | 367.70 | |
| | 0+20 | | | | |
| S | | | 3.7 | 368.4 | |
| C | | | 3.6 | 368.5 | |
| N | | | 3.7 | 368.4 | |
| | 0+45 | | | | |
| N | | | 4.1 | 368.0 | |
| C | | | 4.3 | 367.8 | |
| S | | | 4.5 | 367.6 | |

Indexed
C.S.K.





| | | | | | |
|---|---|---|---|---|---|
| | | 372.11 | | | |
| | 0+64 | | | | |
| N - 0.5 | S. edge | Conc. apron | 4.49 | 367.62 | |
| | 0+68 | | | | |
| S | | | 5.1 | 367.0 | |
| C | | | 4.9 | 367.2 | |
| N | | | 4.4 | 367.7 | |
| N + 0.5 | S. edge do. gar. E. entrance | | 4.44 | 367.67 | 16' wide Conc. St |
| | 0+85 | | | | |
| N | | | 5.2 | 366.9 | |
| C | | | 5.7 | 366.4 | |
| S | | | 6.1 | 366.0 | |
| | 1+00 | | | | |
| S | | | 6.9 | 365.2 | |
| C | | | 6.8 | 365.3 | |
| N | | | 6.8 | 365.3 | |
| | 1+24 | | | | |
| N | | | 8.9 | 363.2 | |
| C | | | 8.7 | 363.4 | |
| S | | | 8.6 | 363.5 | |
| + 5 | Top Lower | Conc. Step | 7.74 | 364.39 | |

| | | | | | |
|---|---|---|---|---|---|
| | | 372.11 | | | |
| | 1+39.81 | | | | |
| S | | | 9.7 | 362.4 | |
| C | | | 9.9 | 362.2 | |
| N | | | 10.0 | 362.1 | |
| | 1+49.81 | E^ly alley to No. | | | |
| N | | | 12.5 | 359.6 | |
| C | M.H. Rim | | 13.22 | 358.89 | |
| S | | | 12.2 | 359.9 | |
| T.P. | 0.19 | 359.63 | 12.67 | 359.44 | Nail in Power Pole |
| | 1+59.81 | | | | |
| S | | | 1.6 | 358.0 | |
| C | | | 1.1 | 358.5 | |
| N | | | 0.7 | 358.9 | |
| | 1+75 | | | | |
| N | | | 3.6 | 356.0 | |
| C | | | 3.7 | 355.9 | |
| S | | | 3.5 | 356.1 | |

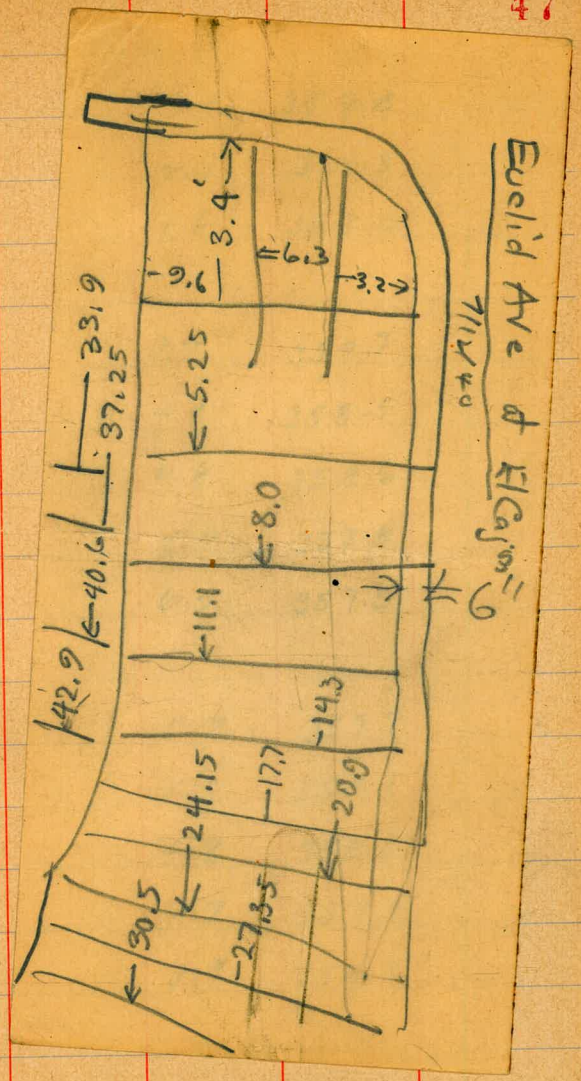
| | | | | | |
|---|---|---|---|---|---|
| | | 359.63 | | | |
| 2+00 | | | | | |
| S | | | 6.0 | 353.6 | |
| C | | | 6.1 | 353.5 | |
| N | | | 6.6 | 353.0 | |
| 2+20 | | | | | |
| N | | | 8.6 | 351.0 | |
| C | | | 8.8 | 350.8 | |
| S | | | 8.5 | 351.1 | |
| 2+35 | | | | | |
| S | | | 10.6 | 349.0 | |
| C | | | 10.7 | 348.9 | |
| N | | | 11.1 | 348.5 | |
| 2+45 | | | | | |
| N – 2 S.L. Stucco gar. | | | 12.6 | 347.2 | |
| N | | | 12.6 | 347.2 | |
| C | | | 10.5 | 349.1 | |
| S | | | 11.6 | 348.2 | |
| T.P. | 0.56 | 347.37 | 12.82 | 346.81 | |

| | | | | | |
|---|---|---|---|---|---|
| | | 347.37 | | | |
| 2+54 | | | | | |
| S | | | 0.2 | 347.2 | |
| C | | | 0.1 | 347.3 | |
| N | | | 1.3 | 346.1 | |
| + 2.55 S. edge Six. gar. | | | 1.3 | 346.1 | |
| + 6 E " " com. fl. | | | 1.53 | 345.84 | West entrance |
| 2+85 | | | | | |
| – 5.6 S. edge 18" S. ribbon of Drive | | | 4.27 | 343.10 | |
| N | | | 4.2 | 343.2 | |
| C | | | 4.6 | 342.8 | |
| S | | | 4.6 | 342.8 | |
| + 1.5 NL Stucco House | | | 4.6 | 342.8 | |
| 2+99.62 E.L. Arizona | | | | | |
| S cb | | | 7.17 | 340.20 | |
| S Pav. | | | 7.33 | 340.04 | |
| C " | | | 7.38 | 339.99 | |
| N " | | | 7.26 | 340.11 | |
| N cb | | | 7.11 | 340.26 | |
| E curb Arizona | | | | | |
| N Pav | | | 8.05 | 339.32 | |
| S " | | | 8.12 | 339.25 | |

| | | | | | |
|---|---|---|---|---|---|
| | N + S | 20' alley | 105 U.H. | | |
| T.R | 3.97 | 363.41 | | 359.44 | Nail in Power Po. |
| 0+30 | | | | | |
| -5 | | | 6.3 | 357.1 | |
| W | | | 5.5 | 357.9 | |
| +2 | | | 4.4 | 359.0 | |
| C | | | 4.4 | 359.0 | |
| E | | | 3.7 | 359.7 | |
| 0+55 | | | | | |
| E | | | 0.8 | 362.6 | |
| +7 | | | 3.3 | 360.1 | |
| C | | | 3.8 | 359.6 | |
| W | | | 3.7 | 359.7 | |
| +5 | | | 5.4 | 358.0 | |
| 0+80 | | | | | |
| -5 | | | 6.6 | 356.8 | |
| W | | | 5.1 | 358.3 | |
| +2 | | | 4.4 | 359.0 | |
| C | | | 4.5 | 358.9 | |

363.41

| | | | | |
|---|---|---|---|---|
| +3 | | | | |
| +7 | | | | |
| E | | | | |
| 0+90 | | | | |
| E | | | | |
| C | | | | |
| +8 | | | | |
| W | | | | |
| +5 | | | | |
| 1+00 | | | | |
| -5 | | | | |
| W | | | | |
| +W | | | | |
| C | | | | |
| E | | | | |
| 1+30 | | | | |
| E | | | 2.5 | 360.9 |
| +2 | 15" Pip. Tree | | | |
| C | | | 5.0 | 358.4 |



N + S 20' alley 105 U.H.

| | | | | | |
|---|---|---|---|---|---|
| T.P. | 3.97 | 363.41 | | 359.44 | Nail in Power Pole |
| 0+30 | | | | | |
| -5 | | | 6.3 | 357.1 | |
| W | | | 5.5 | 357.9 | |
| +2 | | | 4.4 | 359.0 | |
| C | | | 4.4 | 359.0 | |
| E | | | 3.7 | 359.7 | |
| 0+55 | | | | | |
| E | | | 0.8 | 362.6 | |
| +7 | | | 3.3 | 360.1 | |
| C | | | 3.8 | 359.6 | |
| W | | | 3.7 | 359.7 | |
| +5 | | | 5.4 | 358.0 | |
| 0+80 | | | | | |
| -5 | | | 6.4 | 356.8 | |
| W | | | 5.1 | 358.3 | |
| +2 | | | 4.4 | 359.0 | |
| C | | | 4.5 | 358.9 | |

363.41

| | | | | | |
|---|---|---|---|---|---|
| +3 | | | 4.0 | 359.4 | |
| +7 | | | 2.1 | 361.3 | |
| E | | | 1.4 | 362.0 | |
| 0+90 | | | | | |
| E | | | 3.7 | 359.7 | |
| C | | | 4.9 | 358.5 | |
| +8 | | | 4.8 | 358.6 | |
| W | | | 5.6 | 357.8 | |
| +5 | | | 6.2 | 357.2 | |
| 1+00 | | | | | |
| -5 | | | 5.7 | 357.7 | |
| W | | | 5.3 | 358.1 | |
| +2 | | | 4.8 | 358.6 | |
| C | | | 4.7 | 358.7 | |
| E | | | 3.9 | 359.5 | |
| 1+30 | | | | | |
| E | | | 2.5 | 360.9 | |
| +2 | 15" Pap. Tree | | | | |
| C | | | 5.0 | 358.4 | |

| | | | | | |
|---|---|---|---|---|---|
| | | 363.41 | | | |
| +8 | | | 5.2 | 358.2 | |
| W | | | 6.0 | 357.4 | |
| +5 | | | 7.3 | 356.1 | |
| | 1+65 | | | | |
| -5 | | | 5.9 | 357.5 | |
| W | | | 4.5 | 358.9 | |
| C | | | 4.6 | 358.8 | |
| +2 | | | 4.6 | 358.8 | |
| E | | | 2.3 | 361.1 | |
| | 2+00 | | | | |
| E | | | 1.4 | 362.0 | |
| +5 | | | 3.5 | 359.9 | |
| C | | | 4.3 | 359.1 | |
| W | | | 4.4 | 359.0 | |
| +5 | | | 4.2 | 357.2 | |
| T.P. | 4.03 | 367.07 | 2.37 | 361.04 | |

| | | | | | |
|---|---|---|---|---|---|
| | | 367.07 | | | |
| | 2+20 | | | | |
| -5 | | | 9.0 | 358.1 | |
| W | | | 7.1 | 360.0 | |
| C. | | | 6.1 | 361.0 | |
| E | | | 2.9 | 364.2 | |
| | 2+44.5 | | | | |
| E | | | 2.3 | 364.8 | |
| C | S.M.H. Rim | | 4.2 | 362.9 | |
| W | | | 5.0 | 362.1 | |
| +10 | | | 8.2 | 358.9 | |
| | 2+60 | | | | |
| -10 | | | 8.8 | 358.3 | |
| W | | | 4.7 | 362.4 | |
| C | | | 4.6 | 362.5 | |
| +3 | | | 4.1 | 363.0 | |
| +7 | | | 1.8 | 365.3 | |
| E | | | 0.8 | 366.3 | |
| | 2+73 | | | | |
| E-1 | Sin. gar Cont. | | 4.22 | 362.85 | |
| E | Cem apron | | 4.39 | 362.68 | |

| | | | | | |
|---|---|---|---|---|---|
| | | 367.07 | | | |
| 0 | | | 4.6 | 362.5 | |
| +8 | | | 4.6 | 362.5 | |
| W | | | 5.5 | 361.6 | |
| +10 | | | 9.4 | 357.7 | |
| | 3+00 | | | | |
| -10 | | | 10.1 | 357.0 | |
| W | on | Iron | Pin | 6.45 | 360.62 |
| +2 | | | | 4.7 | 362.4 |
| C | | | | 4.3 | 362.8 |
| +2 | | | | 4.3 | 362.8 |
| +8 | | | | 2.3 | 364.8 |
| E | | | | 1.3 | 365.8 |
| | 3+25 | | | | |
| E | | | | 2.7 | 364.4 |
| +8 | | | | 5.0 | 362.1 |
| C | | | | 5.0 | 362.1 |
| W | | | | 5.4 | 361.7 |
| +10 | | | | 7.2 | 359.9 |
| | 3+50 | | | | |
| -10 | | | | 9.3 | 357.8 |

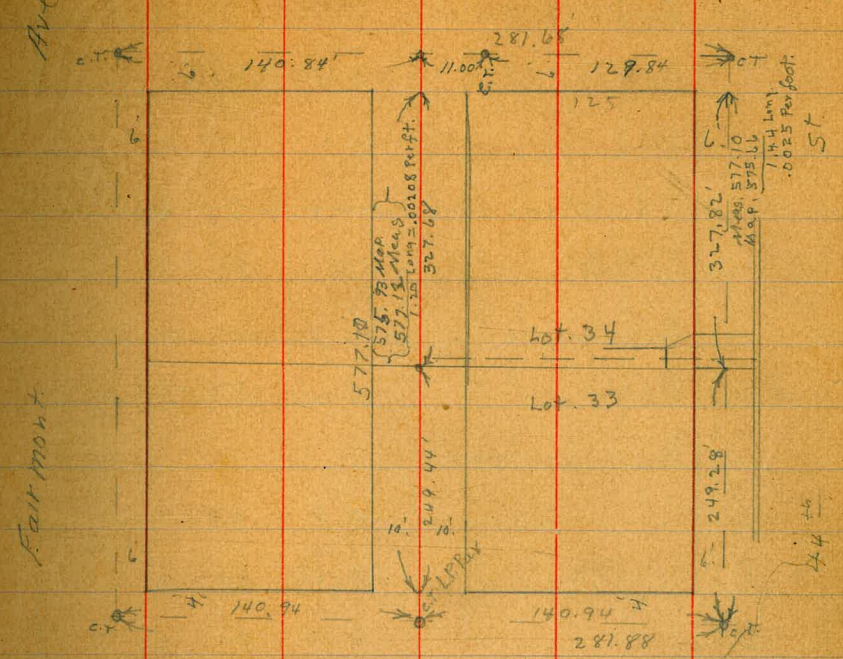
| | | | | | |
|---|---|---|---|---|---|
| | | 367.07 | | | |
| W | | | 7.8 | 359.3 | |
| W | on | Iron | Pin | 7.42 | 359.65 |
| +2 | | | 6.6 | 360.5 | |
| C | | | 6.4 | 360.7 | |
| +5 | | | 6.2 | 360.9 | |
| E | | | 5.0 | 362.1 | |
| | 3+77 | | | | |
| E | | | 5.2 | 361.9 | |
| +3 | | | 5.5 | 361.6 | |
| +6 | | | 6.7 | 361.4 | |
| C | | | 6.8 | 361.3 | |
| W | | | 7.2 | 359.9 | |
| +3.5 | E edge | do. gar | 7.08 | 359.99 | Top Cem. foundation |
| | | 17' wide | | | |
| +3.5 | " | " " | 8.88 | 358.19 | North Entrance |
| | 4+06 | | | | |
| -10 | | | 8.2 | 358.9 | |
| W | | | 7.2 | 359.9 | |
| C | | | 6.4 | 360.7 | |
| +8.4 | E apron | Cem. | 5.20 | 361.87 | |
| E+1 | Sin. gar. | " fl. | 4.94 | 362.13 | |

| | | | | |
|---|---|---|---|---|
| | | 367.07 | | |
| 4+20 | | | | |
| E | | | 4.1 | 363.0 |
| +7 | | | 5.1 | 362.0 |
| +8 | | | 6.1 | 361.0 |
| C | | | 6.1 | 361.0 |
| W | | | 7.0 | 360.1 |
| +5 | | | 7.3 | 359.8 |
| 4+45 | | | | |
| -5 | | | 6.8 | 360.3 |
| W | | | 6.6 | 360.5 |
| C | | | 6.8 | 360.3 |
| +2 | | | 6.8 | 360.3 |
| +7 | | | 3.7 | 363.4 |
| E | | | 3.4 | 363.7 |
| T.P. | 4.74 | 364.74 | 7.07 | 360.00 |
| 4+49.62 SL Meade | | | | |
| E ob | OK. | | 3.64 | 361.10 |
| E Pav. | | | 4.13 | 360.61 |

| | | | | | |
|---|---|---|---|---|---|
| | | 364.74 | | | |
| C Pav. | | | 5.09 | 359.65 | |
| W " | | | 5.41 | 359.13 | |
| +1 " | | | 5.66 | 359.08 | |
| +1 ob | | | 5.59 | 359.15 | |
| S ob Meade | | | | | |
| W Pav | | | 6.39 | 358.35 | |
| E " | | | 4.34 | 360.40 | |
| T.P. | 10.43 | 374.53 | 0.64 | 364.10 | |
| SE BM Meade + Ham. | | | 3.50 | 371.03 | 371.07 |
| | | | | curb has settled | |

6-5-39 Miller Walker Bliss — X See Alley Blk 56 Fairmont Add — Indexed C.S.K.

| | | | | | |
|---|---|---|---|---|---|
| BM. B.P. | 4.99 | 363.48 | | 358.49 | N.W. Orange + 44th St. |
| | N. of S. Line = S. cb. Line Orange | | | | |
| E - 125 = W. Line 44th | | | 5.87 | 357.61 | Gutter = W End pav. |
| E | cmt. cb | | 5.23 | 358.25 | |
| E | ground | | 5.6 | 357.9 | |
| ℄ | " | | 5.7 | 357.8 | |
| W | " | | 5.7 | 357.8 | |
| W | | | 5.36 | 358.12 | |
| + 125 = E Line Fairmont | | | 6.38 | 357.10 | Inlet of Culvert |
| | 0+00 = S. Line Orange | | | | |
| 0.3 E of W. | S. End cb + ground | | 4.91 | 358.57 | |
| ℄ | | | 5.1 | 358.4 | |
| E = | S. End cb. + " | | 5.00 | 358.48 | |
| | 0+47 garage on E conc. floor | | | 1.6' Back | |
| E - 1.6 = | floor | | 5.52 | 357.96 | |
| | | 0+50 | | | |
| E | | | 5.6 | 357.9 | |
| ℄ | | | 5.6 | 357.9 | |
| W | | | 5.4 | 358.1 | |




| | | | | | |
|---|---|---|---|---|---|
| | Polk. | | | Ave | |
| BM. B.P. | 3.94 | 362.43 | | 358.49 | N.W. 44th + Orange |
| | Levels 1+27 from Alley to 44th St | | | | |
| 140' E. of Alley = W. cb. of 44th St. | | | 5.78 | 356.65 | gutter |
| " " " " " " | | | 5.25 | 356.18 | cb |
| 125 " " | | | 5.0 | | |
| 100 " " " | | | 5.1 | | |
| 75 " " " | | | 5.5 | | |
| 50 " " " | | | 5.6 | | |
| 25 | | | 5.6 | | |
| E. Line Alley | | | 5.7 | 356.7 | |
| ℄ " | | | 5.1 | 357.3 | |

363.48

0+57 { N. End. N. Entrance Garage on W. conc. floor
℄ garage on E dirt floor 1.6 Back.

| | | | |
|---|---|---|---|
| −1.5 = floor E side door | 5.40 | 358.08 | |
| +1.6 = floor | 5.7 | 357.8 | |

0+88 garage on E. conc floor 1.6 Back.

| | | | |
|---|---|---|---|
| E−16.0 = floor | 6.3 | 357.2 | |

0+94 garage on W. conc floor 1.0 Back

| | | | |
|---|---|---|---|
| W−1.0 = floor | 5.63 | 357.85 | |

1+00

| | | | |
|---|---|---|---|
| W | 5.8 | 357.7 | |
| ℄ | 6.2 | 357.3 | |
| E | 6.5 | 357.0 | |
| +1.6 | 6.7 | 356.8 | |

1+27 N. End Board. Fence on E. 1.0 in Alley.
1+34 garage on W. conc. floor 6.4 Back

| | | | |
|---|---|---|---|
| W−6.4 = floor | 5.6 | 357.9 | |

1+50

| | | | |
|---|---|---|---|
| E. | 6.6 | 356.9 | |
| ℄ | 6.4 | 357.1 | |
| +5 | 6.4 | 357.1 | |
| W. | 5.8 | 357.7 | |

1+77 S. End. above Fence on E 1.0 in Alley

363.48

1+82 garage on E. conc floor 2.6 Back.

| | | | |
|---|---|---|---|
| E−2.4 = floor | 6.79 | 356.69 | |
| E−1.0 = W. edge conc apron | 6.83 | 356.65 | |

1+90 N. End. wire fence on E. 0.2 in Alley

2+00

| | | | |
|---|---|---|---|
| W−10 | 5.9 | 357.6 | |
| W | 6.0 | 357.5 | |
| ℄ | 6.7 | 356.8 | |
| E. | 6.7 | 356.8 | |
| +5 | 7.1 | 356.4 | |
| T.P. 4.65 | 361.17 ✓ | 6.96 | 356.52 |

2+26 Conc walk on W

| | | | |
|---|---|---|---|
| W−0.4 = E. End. walk | 4.60 | 356.57 | |

2+27 = S. End. above wire fence 0.5 in Alley

2+43 to 2+78 Board. Fence on E. 0.5 in Alley

| | | | |
|---|---|---|---|
| E−10 | 5.2 | 356.0 | fall to E |
| E | 4.6 | 356.6 | |
| ℄ | 4.7 | 356.5 | |
| W | 4.5 | 356.7 | Wet Sta |
| +10 | 4.3 | 356.9 | |

361.17

3+00

| | | | |
|---|---|---|---|
| W-5 | 5.0 | 356.2 | |
| W | 5.2 | 356.0 | |
| ℄ | 5.2 | 356.0 | |
| E | 5.3 | 355.9 | |
| +5 | 5.4 | 355.8 | |
| +40 | 5.6 | 355.6 | |

From 2+78 to 3+38 Wire Fence on E. 0.3 in Alley

" 3+38 to 3+55 Frame garage on E. 0.2 in Alley

3+47 ℄ double garage on E. dirt floor 0.2 in Alley

| | | | |
|---|---|---|---|
| E = floor | 5.0 | 356.2 | |
| ℄ | 5.4 | 355.8 | |
| W | 5.1 | 356.1 | |
| +10 | 4.9 | 356.3 | |

3+52 hole around Meter on W. 2' deep dangerous.

3+70

| | | | |
|---|---|---|---|
| W-10 | 5.0 | 356.2 | |
| W | 5.1 | 356.1 | |
| ℄ | 5.5 | 355.7 | |
| E | 5.7 | 355.5 | |
| +10 | 5.5 | 355.7 | |

361.17

3+77 N. End Wire Fence on E. 0.6' in Alley

| | | | |
|---|---|---|---|
| E | 5.5 | 355.7 | |
| + 29 E | 5.4 | 355.8 | |
| + 68 W. End 4" Tile Drain | 5.7 | 355.2 355.5 | FL ? |
| + 69 E = ground | 5.2 | 355.7 356.0 | See Page 56. ? |

4+00

| | | | |
|---|---|---|---|
| E-10 | 5.5 | 355.7 | |
| E | 5.8 | 355.4 | |
| +3 | 5.1 | 356.1 | |
| ℄ | 5.0 | 356.2 | |
| W | 4.9 | 356.3 | |
| +10 | 5.0 | 356.2 | |

4+18 garage on W Cone floor 3.8' Back

| | | | |
|---|---|---|---|
| W+3.8 floor | 4.83 | 356.34 | |
| W+2.0 cone apron | 4.84 | 356.33 | |

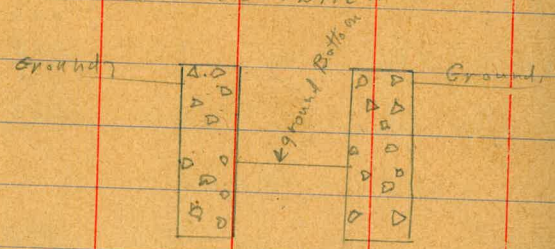
4+26

| | | | |
|---|---|---|---|
| W-10 | 5.0 | 356.2 | |
| W | 4.9 | 356.3 | |
| ℄ | 5.1 | 356.1 | |
| +6 | 5.1 | 356.1 | |

361.17

| | | | |
|---|---|---|---|
| E | Ground ℄ ditch | 6.3 | 354.9 |
| E=W end. ditch | Top cone walls | 5.83 | 355.34 |

Cross Sec. Ditch




361.17

4+26 (con.)

| | | | |
|---|---|---|---|
| E+68.0 W end F.L. 4" Tile drain | | 6.5 | 354.7 |

see page 56

361.17



4+60

| | | |
|---|---|---|
| E-30 | 5.8 | 355.4 |
| E-20 | 5.8 | 355.4 |
| E | 5.3 | 355.9 |
| +5 | 4.9 | 356.3 |
| ℄ | 4.9 | 356.3 |
| +7 | 4.7 | 356.5 |
| W | 4.2 | 357.0 |
| +5 | 4.2 | 357.0 |

From 4+45 to 4+64 Wire fence on E. 0.4' in Alley
4+70 garage Not in use on E. floor 0.3' in Alley

| | | |
|---|---|---|
| 0.3 W. of E floor | 4.5 | 356.7 |

4+77

| | | |
|---|---|---|
| W-10 | 4.6 | 356.2 |
| W | 4.8 | 356.4 |
| ℄ | 4.7 | 356.5 |
| E | 4.3 | 356.9 |
| +1.5 | 4.3 | 356.9 |
| +2.0 | 5.2 | 356.0 |
| +30.0 | 5.8 | 355.4 |

361.17

4+85 garage on W. conc. floor 2.0' Back

| | | | |
|---|---|---|---|
| E W-2. = floor | 3.86 | 357.31 | |
| 5+05 N. End double garage on E 2.0 Back | | | |
| E-2. = floor | 3.80 | 357.37 | |
| E = N. edge conc apron | 4.09 | 357.08 | |
| ℄ | 4.1 | 357.1 | |
| W | 4.1 | 357.1 | |
| +5 | 4.6 | 356.6 | |
| 5+21 S. End above double garage on E. | | | |
| 3.' S of ℄ double garage on W. dirt floor 4.7 Back | | | |
| W-4.7 = floor | 3.7 | 357.5 | |
| W | 4.1 | 357.1 | |
| ℄ | 4.2 | 357.0 | |
| E conc apron | 4.0 | 357.2 | |
| +2.0 = floor | 3.79 | 357.38 | |
| 5+24 S. of garage on E | | | |
| E+2 | 4.5 | 356.7 | |
| E+3 | 4.9 | 356.3 | |
| E+30 | 5.5 | 355.7 | |

361.17

5+48 = S. Entrance garage on E. Line conc floor

| | | | |
|---|---|---|---|
| E-1.0 = floor | 4.53 | 356.64 | |
| ℄ | 4.3 | 356.9 | |
| W | 4.4 | 356.8 | |
| 5+77 = N. Line Polk | | | |
| W = ch N. End. | 4.26 | 356.91 | |
| W pav " " | 4.50 | 356.67 | |
| ℄ " " " | 4.80 | 356.37 | |
| E " " " | 4.68 | 356.49 | |
| E ch " " | 4.64 | 356.53 | |
| 6.5 S. of N. = N. ch. Line | | | |
| E pav. | 5.08 | 356.09 | |
| ℄ " | 4.94 | 356.23 | |
| W " | 4.80 | 356.37 | |
| W. ch. | 4.30 | 356.87 | |
| T.P. 6.79 363.31 | 4.65 | 356.52 | |
| chk orig BM | 4.82 | 358.49 = 358.49 | |

| | | | | | |
|---|---|---|---|---|---|
| B.M. | 1.79 | 360.28 | | 358.49 | N.W. 44th & Orange |
| | 0+00 = S Line Orange | | | | |
| Top. el | | | 2.27 | 358.01 | |
| gutter | | | 2.73 | 357.55 | |
| | 3+79 = Out let. 4" Tile Drain in el | | | | |
| Top. el | | | 4.77 | 355.51 | |
| Gutter = F.L. Drain | | | 5.24 | 355.04 | |
| | 4+26 = outlet 4" Tile drain in curb | | | | |
| Top el | | | 5.03 | 355.78 | |
| F.L. Drain = gutter | | | 5.51 | 354.77 | |
| | 5+77 = N Line Polk. | | | | |
| Top el | | | 6.02 | 354.26 | |
| gutter | | | 6.36 | 353.92 | |
| T.P. | 5.04 | 360.56 | 4.76 | 355.52 | |
| | chk of Levels Page 54 | | | | |
| | 4+26 | | | | |
| E. Line Alley Top. wall of ditch | | | 5.22 | 355.34 | |
| 68' E. of E. Line Alley = E. End. Ditch = W. End 4" Tile Drain | | | 5.9 | 354.7 | |
| T.P. | 4.96 | 361.22 | 4.30 | 356.26 | |

| | | | | | |
|---|---|---|---|---|---|
| | | 361.22 | | | |
| chk. Levels Page 53 Sta 3+77 | | | | | |
| 68 E. of E. Line { E. End ditch / W. " 4" Tile drain | | | 6.0 | 355.2 | |
| 69 " " " = ground | | | 5.5 | 355.7 | |
| chk. Garage 4+18 Page 53 | | | | | |
| E. edge Conc. apron | | | 4.89 | 356.33 ✓ | |
| Grades for Mc Carthy Lot | | | | | |
| | | π 262.43 | Page 51 | | |
| T.P. | 5.00 | 362.28 | 5.15 | 357.28 | |
| Garage 0+88. | | | 5.08 | 257.20 | |
| Foundation of Rear House | | | 4.71 | 257.57 | |
| 0+77 E. Alley | | | | | G 357.82 |
| 1+27 E. " | | | | | 357.71 |
| Same 0+00 E. Line Alley | | | 4.24 | 368.00 | Drainage Ditch 357.00 +1.00 |
| | | | 4.38 | 357.90 | 357.90 +1.00 |
| T.P. | 5.55 | 362.46 | 5.37 | 356.91 | |
| 0+75 | | | 5.58 | 356.88 | 356.80 +0'-1" |
| 1+00 | | | 5.22 | 357.24 | 356.74 +0'-6" |
| 1+25 Prop. Line | | | 4.94 | 357.52 | 356.68 +0'-10" |
| 1+40 Gutter | | | 5.83 | 356.63 | 356.63 |

| | | | | |
|---|---|---|---|---|
| Conc. Arron 2' W. of W. Line Garage 4+18 W. | 4.60 | 360.93 | | 356.33 |
| 3+00 W. Lo pt. on W. | | | 5.1 | 355.8 |
| 3+77 " Line | | | 5.0 | 355.9 |
| 3+26$^{6}$ E + W. Fence on E. | | | | |
| Profile at 3+25$^{5}$ = N. of Fence | | | | |
| W-10. s. of house | | | 5.0 | 355.9 |
| W. Line in front of steps from House | | | 4.9 | 356.0 |
| ℄ | | | 5.0 | 355.9 |
| E. Line | | | 5.1 | 355.8 |
| 2' N. | | 1.0 E of E. Line | 4.9 | |
| ℄ Ex ditch | | | 5.2 | 355.7 |
| 2' S | | | 4.9 | |
| | | 25' E | | |
| 2' S. on conc. walk. | | | 4.71 | 356.22 |
| ℄ Ex. drainage ditch | | | 5.2 | 355.7 |
| 2' N. | | | 4.8 | |
| | | 50. E | | |
| 2' N | | | 4.9 | 356.0 |
| ℄ Ex drainage ditch | | | 5.2 | 355.7 |
| 2' S. conc. walk. | | | 4.72 | |
| 67$^{5}$ E = { E. End. Ditch / W " 4" Drain. | | | | |
| 2' N. | | | 4.8 | |
| 1.5 S. of Ditch Line F.L. 4" Drain | | | 5.25 | 355.68 |
| 2' S " " " Conc. walk | | | 4.79 | 356.14 |

| | | | | |
|---|---|---|---|---|
| | | 360.93 | | |
| | | 1+6 | | |
| 2' S. E. End conc. walk | | 4.57 | 356.36 | |
| ℄ | | 4.5 | 356.4 | |
| 2' N. | | 4.5 | | |
| | | 1+25 W. Line 44$^{th}$ | | |
| 2' S | | 4.7 | | |
| ℄ | | 4.7 | 356.2 | |
| 2' N | | 4.7 | | |
| S. of Orange 37 2 8.2 - E. End Drain | | | | |
| | | 140' = W. cl. of 44$^{th}$ st | | |
| cl. | | 5.03 | 356.90 | |
| gutter pav. | | 5.53 | 355.40 | |
| | | Grades. Temp. | | |
| 3+26$^{6}$ E. Line Nail in Post. | | 3.68 | 357.25 | Grade 357.25 0.0 |
| 3+38 " " stub | | 4.75 | 356.18 | 357.22 -1.04 |
| 2+77 " " Nail in Post | | 3.56 | 357.37 | 257.37 0.0 |
| | | | 1-12" Pipe and 2-8" Pipes | |
| Grades for Culvert. S. side Lot 34 | | | | |
| | | 361.00 | | |
| W. Line Alley | | 4.94 | 356.06 | 355.80 +0.26 |
| E. " " Orange | | 4.96 | 356.04 | 355.75 +0.29 |
| 0+25 | | 4.77 | 356.23 | 355.69 +0.54 |
| 0+50 | | 4.76 | 356.24 | 355.63 +0.61 |
| 0+75 | | 4.87 | 356.13 | 355.56 +0.57 |
| 1+00 | | 4.69 | 356.31 | 355.50 +0.81 |
| 1+25 Con. Pipes & Culvert. | | 4.79 | 356.21 | 355.44 +0.77 |
| 1+40 Gutter. | | 5.60 | 355.40 | 355.40 gutter |

8/17/39 Construction Notes Alley Blk. 56. Fairmont Add.

| | | W. | | E | |
|---|---|---|---|---|---|
| | | | ⊼363.41 | | |
| | | | 5.70 | | |
| | | | 357.71 | | |
| 0+00 S. Line Orange | | 358.00 | 4.01 | 358.00 | |
| | 5.41 | 5.41 | ⊼361.72 | 5.41 | |
| | 4.84 | 5.41 | | 4.92 | |
| | +0.57 | 0.00 | | +0.49 | |
| 0+33³ | | 57.92 | | 357.92 | |
| | | 5.49 | | 5.49 | |
| | | 5.02 | | 5.41 | |
| | | +0.47 | | +0.01 | |
| 0+66² | | 57.84 | | 357.84 | |
| | | 5.57 | | 3.88 | |
| | | 4.57 | | 3.88 | |
| | | +1.00 | ⊼361.72 | | |
| | | | 5.34 | | |
| | | | 356.38 | | |
| 1+00 | | 57.76 | 4.62 | 357.76 | |
| | | 3.96 | ⊼361.00 | 3.96 | |
| | | 2.96 | | 4.66 | |
| | | +1.00 | | −0.70 | |
| +33³ | | 57.69 | | 357.69 | |
| | | 4.03 | | 4.03 | |
| | | 4.09 | | 4.03 | |
| | | −0.06 | | 0.00 | |
| +66⁷ | | 57.61 | | 357.61 | |
| | | 4.11 | | 4.11 | |
| | | 4.11 | | 4.11 | |
| | | 0.0 | | 0.0 | |
| 2+00 | | 57.53 | | 357.53 | |
| | | 4.19 | | 4.19 | |
| | | 4.19 | | 5.24 | |
| | | 0.0 | | −1.05 | |
| +33³ | | 57.46 | | 357.46 | |
| | | 4.26 | | 4.26 | |
| | | 4.26 | | 4.22 | |
| | | 0.0 | | +0.04 | |
| +66⁷ | | 57.38 | ⊼361.00 | 357.38 | |
| 2+77 | | 4.34 | | 3.62 | |
| | | 4.34 | | 4.83 | 357.37 |
| | | 0.0 | | −1.21 | 3.63 |
| 3+00 | | 57.30 | | 357.30 | |
| | | 3.70 | | 3.70 | |
| | | 3.70 | | 5.15 | |
| | | 0.00 | | −1.45 | |

| | | W. | | E. | |
|---|---|---|---|---|---|
| 326.6 | | | 361.00 | | 357.25 |
| | | | | | 3.75 |
| | | | | | 58 |
| 3+33³ | | 57.23 | | 357.23 | |
| | | 3.77 | | 3.77 | |
| 3+38 | | 3.77 | | 4.91 | 357.22 |
| | | 0.00 | | −1.14 | 3.78 |
| | | | | | 4.82 |
| 3+66² | | 57.15 | | 357.15 | −1.04 |
| | | 3.85 | | 3.85 | −1'-½" |
| | | 3.85 | | 2.85 | |
| | | 0.00 | | +1.00 | |
| 4+00 | | 57.07 | | 357.07 | |
| | | 3.93 | | 3.93 | 5.14 |
| | | 4.79 | | 5.14 | |
| | | −0.86 | | −1.21 | |
| 4+33³ | | 57.00 | | 357.00 | |
| | | 4.00 | | 4.00 | |
| | | 4.26 | | 4.00 | |
| | | −0.26 | | 0.00 | |
| 4+66² | | 56.92 | | 356.92 | |
| | | 4.08 | | 4.08 | |
| | | 3.32 | | 4.08 | |
| | | +0.76 | | 0.00 | |
| 5+00 | | 56.84 | | 356.84 | |
| | | 4.16 | | 4.16 | |
| | | 4.16 | | 4.40 | |
| | | 0.00 | | −0.24 | |
| 5+30 | | 56.77 | | 356.77 | |
| | | 4.23 | | 4.23 | |
| | | 3.23 | | 3.23 | |
| | | +1.00 | | +1.00 | |
| 5+60 B | | 356.70 | | 356.70 | |
| | | 4.30 | | 4.30 | |
| | | 4.19 | | 4.64 | |
| | | +0.11 | | −0.34 | |
| 5+77¹² N. Line Polk | | 356.67 | | 356.49 | |
| | | | | 4.51 | |
| | | | | 4.51 | |
| | | | | O.K. | |

Grant School 24" Culv.

Offset Cuts 10' North of ℄ Culv.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 3.49 | 189.26 | | 185.57 | | | | | | |
| | | | ℄ | | Rod Stubs | Elev. Stub | grade | | | |
| 0+0 | | | 6.3 | 183.0 | 5.1 | 183.4 | 181.5 | C 1.9 | | |
| +50 | | | 7.7 | 181.6 | 7.6 | 181.7 | 179.6 | C 2.1 | | |
| 1 | | | 9.6 | 179.9 | 9.6 | 179.7 | 177.8 | C 1.9 | | |
| +50 | | | 8.0 | 181.3 | 7.6 | 181.9 | 175.9 | C 6.0 | | |
| +95 | Δ 7°02' | Lt. | 9.3 | 180.0 | 13.2 | 176.1 | 175.0 | C 1.1 | Break in grade at Clean out Box. | |
| T.P., | 1.58 | 178.21 | 12.63 | 176.63 | | | | | | |
| 2+00 | | | 0.2 | 178.0 | 3.5 | 174.7 | 173.7 | C 1.0 | | |
| +50 | | | 7.0 | 171.2 | 5.9 | 172.3 | 171.0 | C 1.3 | | |
| 3 | 7' Sur. SM.H. | | 8.1 | 170.1 | 6.0 | 174.2 | 168.3 | C 5.9 | | |
| +50 | | | 10.0 | 168.2 | 6.7 | 171.5 | 165.6 | C 5.9 | | |
| 4 | | | 10.8 | 167.4 | 8.1 | 170.1 | 162.9 | C 7.2 | | |
| +50 | | | 17.4 | 160.8 | 12.5 | 165.7 | 160.2 | C 5.5 | | |

INDEXED
EFB

Moore
3-5-40

1 sec of alley
Blk D Sterlingworth

| | | | | |
|---|---|---|---|---|
| SW BP | 6.37 | 385.64 | | 379.27 |

0-25 N cb El Cajon

| | | | |
|---|---|---|---|
| E | Pav. out | 4.86 | 380.78 |
| C | " " | 4.88 | 380.76 |
| W | " " | 4.92 | 380.72 |

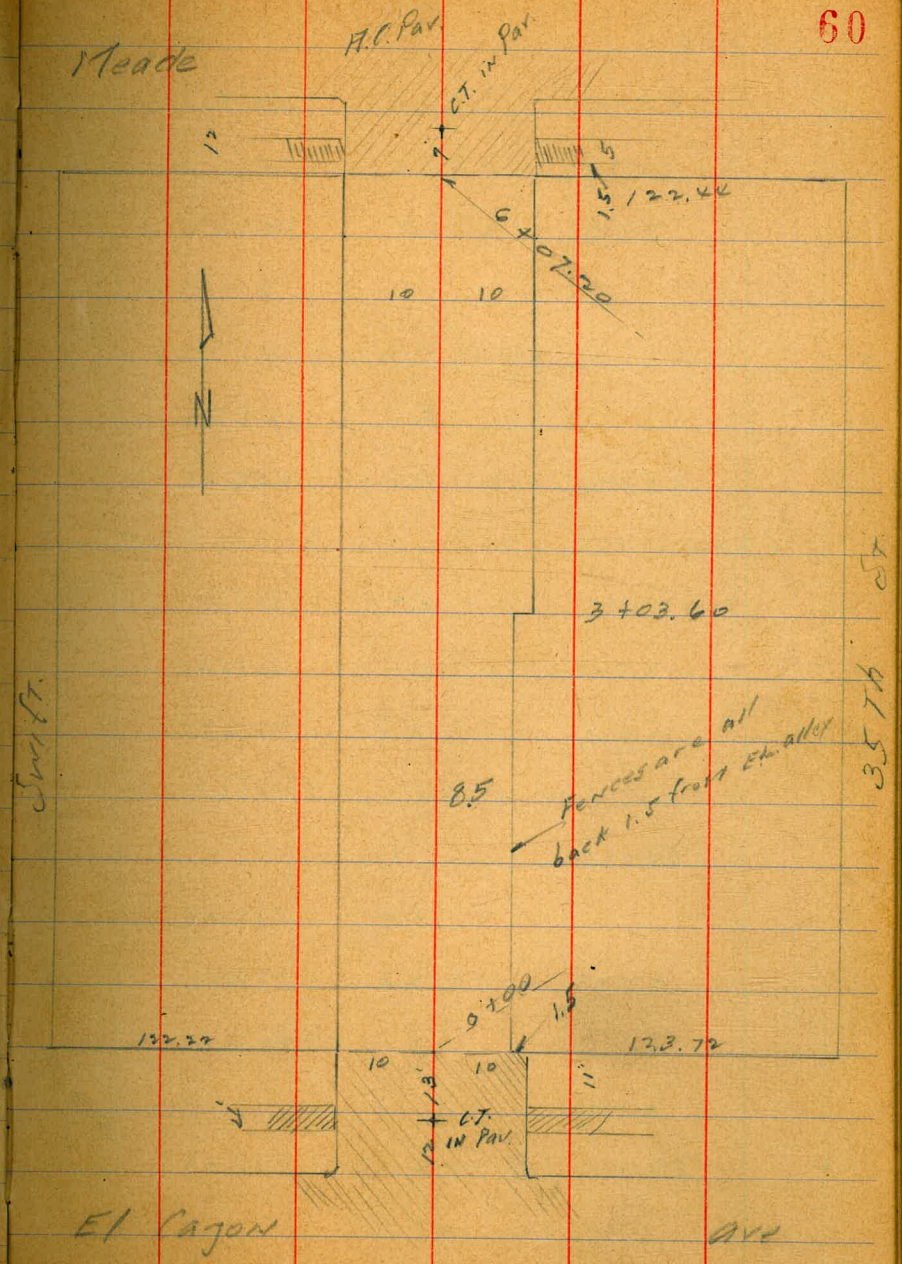
0+0-0.6 = edge pav. + end alley Returns

| | | | |
|---|---|---|---|
| W | cb | 3.75 | 381.89 |
| W | Pav | 3.93 | 381.71 |
| C | " | 4.18 | 381.46 |
| E | " | 3.96 | 381.68 |
| E | cb | 3.87 | 381.77 |

0+25

| | | | |
|---|---|---|---|
| E | | 3.2 | 382.4 |
| C | | 3.6 | 382.0 |
| W | | 3.9 | 381.7 |





385.64

| | | | | |
|---|---|---|---|---|
| 0+50 | | | | |
| W | | | 3.7 | 381.9 |
| C | | | 3.5 | 382.1 |
| E | | | 2.9 | 382.7 |
| 0+75 | | | | |
| E | | | 3.4 | 382.2 |
| C | | | 3.4 | 382.2 |
| W | | | 3.6 | 382.0 |
| 1+00 | | | | |
| W | | | 3.4 | 382.4 |
| C | | | 3.4 | 382.2 |
| E | | | 2.7 | 382.9 |
| 1+04 W +0.3 14" P.P. | | | | |
| 1+50 | | | | |
| E | | | 3.0 | 382.6 |
| C | | | 2.6 | 383.0 |
| W | | | 2.4 | 383.2 |
| T.P. | 8.24 | 391.64 | 2.26 | 383.38 |
| 1+84 W +0.2 14" P.P. | | | | |

391.64

| | | | | |
|---|---|---|---|---|
| 2+00 | | | | |
| W | | | 7.7 | 383.9 |
| C | | | 8.0 | 383.6 |
| E | | | 7.8 | 383.8 |
| 2+25 | | | | |
| W -0.3 F.L. 3" Drain " OUTLET | | | 8.15 | 383.49 |
| 2+34 | | | | |
| - 2 E gar. com. | | | 7.37 | 384.25 |
| - 0.8 aprox " | | | 7.48 | 384.14 |
| E | | | 7.4 | 384.2 |
| C | | | 7.5 | 384.1 |
| W | | | 7.5 | 384.1 |
| 2+39 | | | | |
| W -0.8 E 8' com. wk. | | | 7.35 | 384.29 |
| 2+63 | | | | |
| W | | | 7.1 | 384.5 |
| +0.3 14" P.P. | | | | |
| C | | | 7.1 | 384.5 |
| E | | | 6.7 | 384.9 |

| | | | | | |
|---|---|---|---|---|---|
| | | 391.62 | | | |
| 3+03.6 | | | | | |
| E | | | 6.6 | 385.0 | |
| C | | | 7.0 | 384.6 | |
| W | | | 6.8 | 384.8 | |
| +1 Sedge cem wk | | | 6.54 | 385.08 | |
| 3+10 | | | | | |
| W-1 N " " " | | | 6.53 | 385.09 | |
| 3+21 | | | | | |
| W | | | 6.6 | 385.0 | |
| C | | | 6.8 | 384.8 | |
| E | | | 6.4 | 385.2 | |
| +3 ℄ New Tri. gar. 28' wide | | | 5.78 | 385.84 | fl. El. Level |
| " " " ground | | | 6.6 | 385.0 | |
| 3+47 | | | | | |
| E | | | 6.5 | 385.1 | |
| C | | | 6.7 | 384.9 | |
| +9.6 14" P.P. | | | | | |
| W | | | 6.5 | 385.1 | |
| 4+00 | | | | | |
| -10 | | | 5.7 | 385.9 | |
| W | | | 5.5 | 386.1 | |

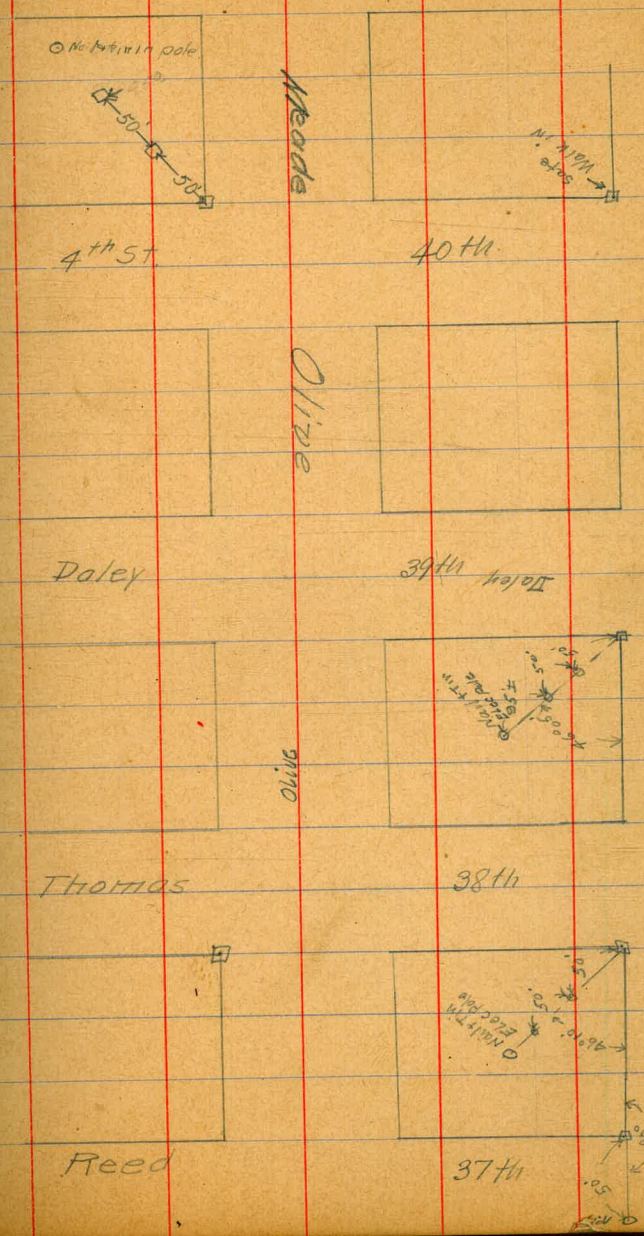
| | | | | | |
|---|---|---|---|---|---|
| | | 391.62 | | | |
| C | | | 5.4 | 386.2 | |
| E | | | 5.2 | 386.4 | |
| 3+90 beg. picket fence E+0.1 | | | | | |
| 4+33 | | | | | |
| E+0.4 end " | | | 4.9 | 386.7 | |
| C | | | 5.0 | 386.6 | |
| +9.8 14" P.P. | | | | | |
| W | | | 4.8 | 386.8 | |
| 4+60 | | | | | |
| W | | | 4.5 | 387.1 | |
| C | | | 4.5 | 387.1 | |
| E | | | 4.4 | 387.0 | |
| 5+00 | | | | | |
| E | | | 3.5 | 388.1 | |
| C | | | 3.7 | 387.9 | |
| W | | | 3.7 | 387.9 | |
| 5+19 W+0.3 14" P.P. | | | | | |
| 5+35 | | | | | |
| W | | | 3.3 | 388.3 | |
| C | | | 3.4 | 388.2 | |
| E | | | 3.3 | 388.3 | |

| | | | | |
|---|---|---|---|---|
| | | 391.62 | | |
| 5+42 | | | | |
| E | | | 3.1 | 388.5 |
| + 0.2 | 10" Guy P | | 3.2 | 388.4 |
| C | | | 3.2 | 388.4 |
| W | | | 3.2 | 388.4 |
| 5+85 | | | | |
| W | | | 3.1 | 388.5 |
| W 0.3 | 14" P.P. | | | |
| C | | | 3.4 | 388.2 |
| E | | | 3.2 | 388.4 |
| 6+07.20 S.L. Meade | | | | |
| E cb | | | 4.23 | 387.39 |
| E Par | | | 4.40 | 387.22 |
| C " | | | 4.52 | 387.10 |
| T.P. | 4.58 | 391.89 | 4.31 | 387.31 |
| 6+07.2 | | | | |
| W Par | | | 4.82 | 387.07 |
| W cb | | | 4.58 | 387.31 |

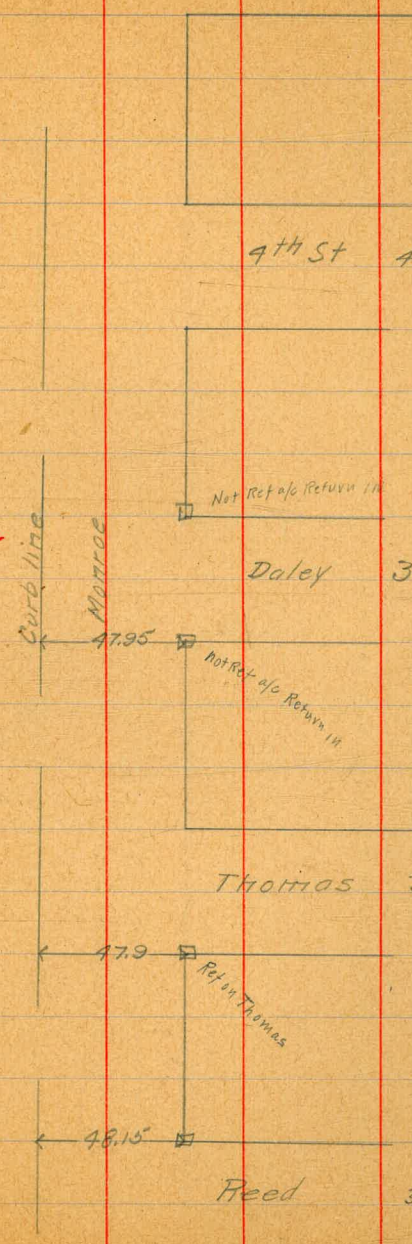
| | | | | | |
|---|---|---|---|---|---|
| | | 391.89 | | | |
| S cb Meade | | | | | |
| W | Par gut | | 5.21 | 386.68 | |
| C | " " | | 5.15 | 386.74 | |
| E | " " | | 5.18 | 386.71 | |
| T.P. | 4.99 | 392.03 | 4.85 | 387.04 | 386.82 |
| NWBP | Meade Wilson | | 3.68 | 388.35 | 388.20 new |
| | | | | | 388.30 old |

NWBP 35th + Meade

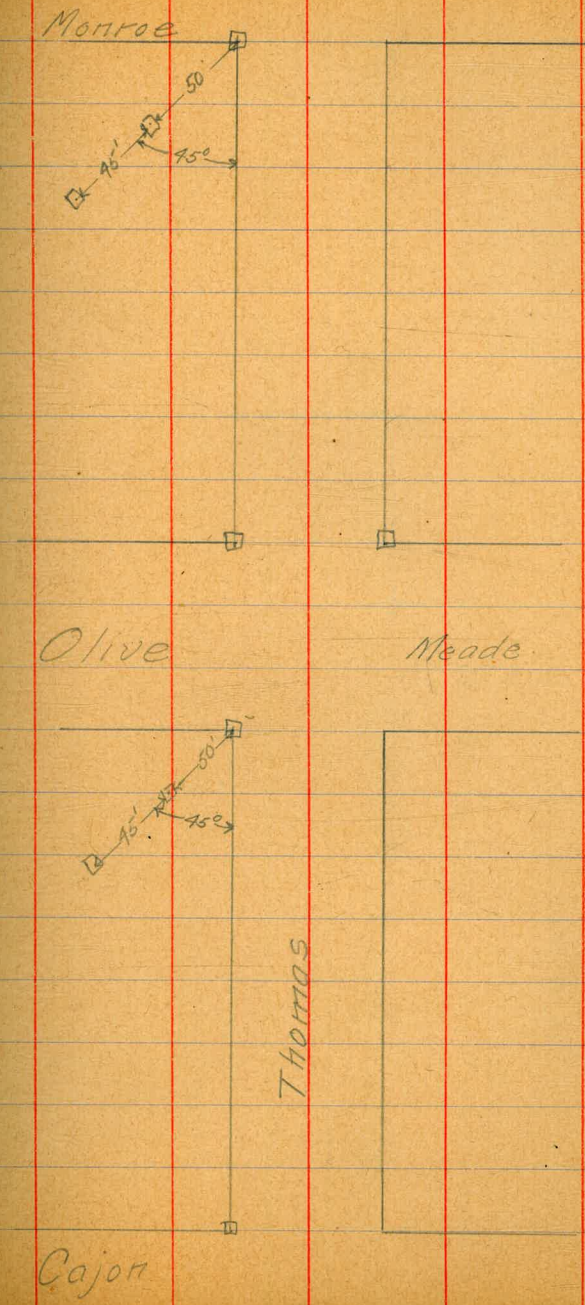
A.H. Grot
Knudtson
8/31/14



A.H. Grot
Khudson
8/27/14

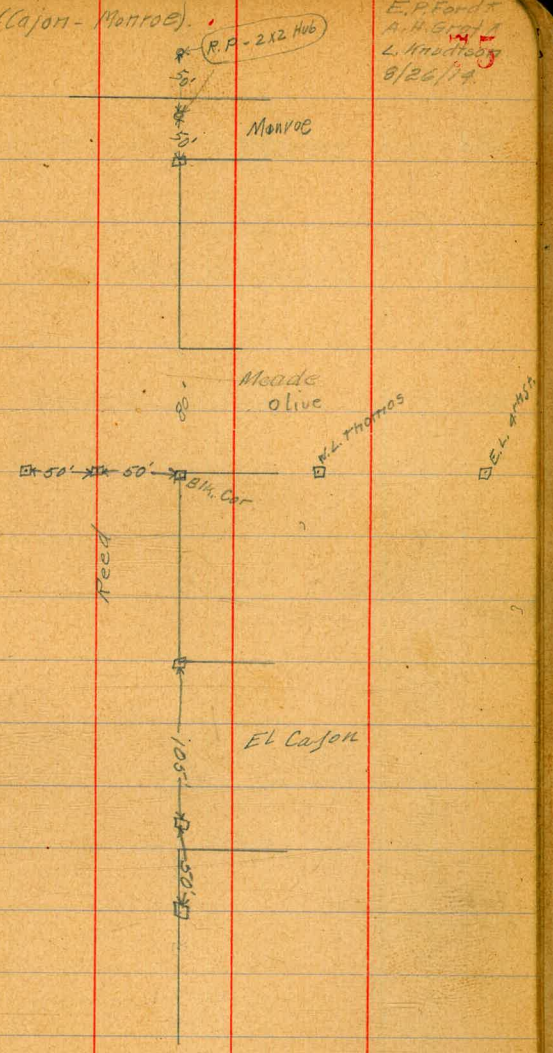


A. H. Graft
Knudtson
8/27/14

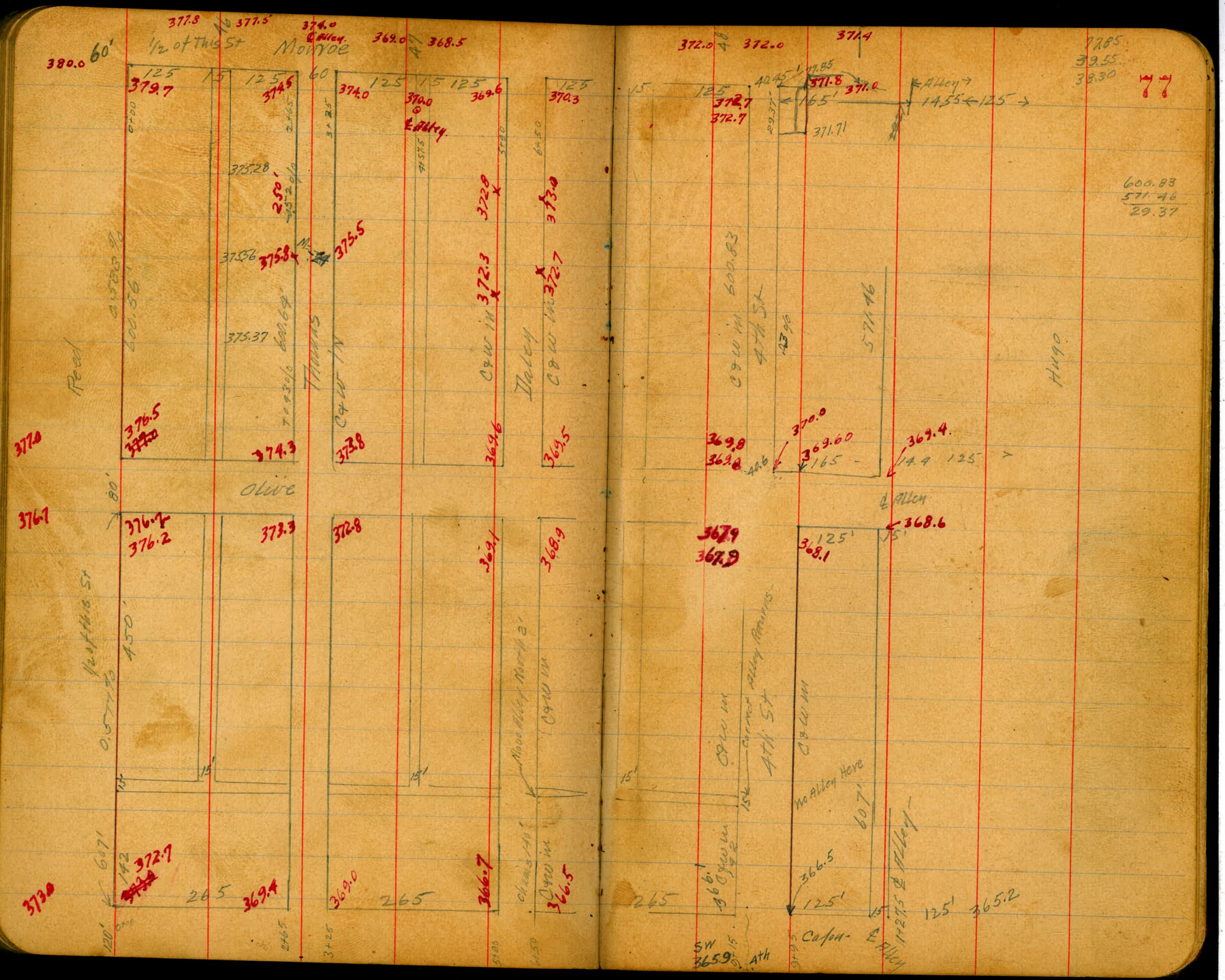


Alignment Reed (Cajon - Monroe).

E. P. Ford
A. H. Grant
L. Knudtsen
8/26/14



| | | | | |
|---|---|---|---|---|
| BM | El Cajon | 371.47 | Spike Pole #1202 E of EL. Thomas | Page 1 BM |
| BM | " | 366.65 | " " SE Fourth & El Cajon - | " |
| BM | " | 376.30 | " " SE Bradt & El Cajon - | " |



1/2 of This St
Monroe
Olive
Reed
Thomas
Haley
Hugo
4th St
Alley
No Alley Here
Cafon

hole in alley 4135 Fairmount

607

366.5
366.2
1.3
65
365.2

ENGINEERING DEPARTMENT,
CITY OF EAST SAN DIEGO,
CALIFORNIA.

## 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 | 14.8 | 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 Julien A. Hall, M. Am. Soc. C. E.

MADE IN GERMANY.