

1637

1637

LEVEL BOOK

1637

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

| Degrees. | DEGREES. | | ¼ DEGREE. | | ½ DEGREE. | | ¾ DEGREE. | | Degrees. |
|----------|----------|-----------|-----------|-----------|-----------|-------|-----------|-------|----------|
| | Lat. | Dep. | Lat. | Dep. | Lat. | Dep. | Lat. | Dep. | |
| 0 | | | | | | | | | |
| 1 | 99.98 | 1.75 | 100.00 | 0.44 | 100.00 | 0.87 | 99.99 | 1.31 | 89 |
| 2 | 99.94 | 3.49 | 99.98 | 0.88 | 99.97 | 1.74 | 99.95 | 2.62 | 88 |
| 3 | 99.86 | 5.23 | 99.84 | 1.32 | 99.81 | 2.62 | 99.88 | 4.80 | 87 |
| 4 | 99.76 | 6.98 | 99.73 | 1.74 | 99.69 | 3.57 | 99.79 | 6.54 | 86 |
| 5 | 99.62 | 8.72 | 99.58 | 2.16 | 99.54 | 4.44 | 99.66 | 8.28 | 85 |
| 6 | 99.45 | 10.45 | 99.41 | 2.58 | 99.36 | 5.31 | 99.50 | 10.02 | 84 |
| 7 | 99.25 | 12.19 | 99.20 | 3.00 | 99.14 | 6.14 | 99.31 | 11.75 | 83 |
| 8 | 99.03 | 13.92 | 98.97 | 3.41 | 98.90 | 6.97 | 98.84 | 13.49 | 82 |
| 9 | 98.77 | 15.64 | 98.70 | 3.82 | 98.63 | 7.80 | 98.56 | 15.21 | 81 |
| 10 | 98.48 | 17.36 | 98.40 | 4.23 | 98.33 | 8.63 | 98.25 | 16.93 | 80 |
| 11 | 98.16 | 19.08 | 98.08 | 4.64 | 97.99 | 9.46 | 97.90 | 18.65 | 79 |
| 12 | 97.81 | 20.79 | 97.72 | 5.05 | 97.63 | 10.29 | 97.53 | 20.36 | 78 |
| 13 | 97.44 | 22.50 | 97.34 | 5.46 | 97.24 | 11.12 | 97.13 | 22.07 | 77 |
| 14 | 97.03 | 24.19 | 96.92 | 5.87 | 96.81 | 11.95 | 96.70 | 23.77 | 76 |
| 15 | 96.59 | 25.88 | 96.48 | 6.28 | 96.36 | 12.78 | 96.25 | 25.46 | 75 |
| 16 | 96.13 | 27.56 | 96.00 | 6.69 | 95.88 | 13.61 | 95.76 | 27.14 | 74 |
| 17 | 95.63 | 29.24 | 95.50 | 7.10 | 95.37 | 14.44 | 95.24 | 28.82 | 73 |
| 18 | 95.11 | 30.90 | 94.97 | 7.51 | 94.83 | 15.27 | 94.69 | 30.49 | 72 |
| 19 | 94.55 | 32.56 | 94.41 | 7.92 | 94.26 | 16.10 | 94.12 | 32.14 | 71 |
| 20 | 93.97 | 34.20 | 93.82 | 8.33 | 93.67 | 16.93 | 93.51 | 33.79 | 70 |
| 21 | 93.36 | 35.84 | 93.20 | 8.74 | 93.04 | 17.76 | 92.88 | 35.43 | 69 |
| 22 | 92.72 | 37.46 | 92.55 | 9.15 | 92.39 | 18.59 | 92.22 | 37.06 | 68 |
| 23 | 92.05 | 39.07 | 91.88 | 9.56 | 91.71 | 19.42 | 91.53 | 38.67 | 67 |
| 24 | 91.35 | 40.67 | 91.18 | 9.97 | 91.00 | 20.25 | 90.81 | 40.27 | 66 |
| 25 | 90.63 | 42.26 | 90.45 | 10.38 | 90.26 | 21.08 | 90.07 | 41.87 | 65 |
| 26 | 89.88 | 43.84 | 89.69 | 10.79 | 89.49 | 21.91 | 89.30 | 43.44 | 64 |
| 27 | 89.10 | 45.40 | 88.90 | 11.20 | 88.70 | 22.74 | 88.50 | 45.01 | 63 |
| 28 | 88.29 | 46.95 | 88.09 | 11.61 | 87.88 | 23.57 | 87.67 | 46.56 | 62 |
| 29 | 87.46 | 48.48 | 87.25 | 12.02 | 87.04 | 24.40 | 86.82 | 48.10 | 61 |
| 30 | 86.60 | 50.00 | 86.38 | 12.43 | 86.16 | 25.23 | 85.94 | 49.62 | 60 |
| 31 | 85.72 | 51.50 | 85.49 | 12.84 | 85.26 | 26.06 | 85.04 | 51.13 | 59 |
| 32 | 84.80 | 52.99 | 84.57 | 13.25 | 84.34 | 26.89 | 84.10 | 52.62 | 58 |
| 33 | 83.87 | 54.46 | 83.63 | 13.66 | 83.39 | 27.72 | 83.15 | 54.10 | 57 |
| 34 | 82.90 | 55.92 | 82.66 | 14.07 | 82.41 | 28.55 | 82.16 | 55.56 | 56 |
| 35 | 81.92 | 57.36 | 81.66 | 14.48 | 81.41 | 29.38 | 81.16 | 57.00 | 55 |
| 36 | 80.90 | 58.78 | 80.64 | 14.89 | 80.39 | 30.21 | 80.13 | 58.42 | 54 |
| 37 | 79.86 | 60.18 | 79.60 | 15.30 | 79.34 | 31.04 | 79.07 | 59.83 | 53 |
| 38 | 78.80 | 61.57 | 78.53 | 15.71 | 78.26 | 31.87 | 77.99 | 61.22 | 52 |
| 39 | 77.71 | 62.93 | 77.44 | 16.12 | 77.16 | 32.70 | 76.88 | 62.59 | 51 |
| 40 | 76.60 | 64.28 | 76.32 | 16.53 | 76.04 | 33.53 | 75.76 | 63.94 | 50 |
| 41 | 75.47 | 65.61 | 75.18 | 16.94 | 74.90 | 34.36 | 74.61 | 65.28 | 49 |
| 42 | 74.31 | 66.91 | 74.02 | 17.35 | 73.73 | 35.19 | 73.43 | 66.59 | 48 |
| 43 | 73.14 | 68.20 | 72.84 | 17.76 | 72.54 | 36.02 | 72.24 | 67.88 | 47 |
| 44 | 71.93 | 69.47 | 71.63 | 18.17 | 71.33 | 36.85 | 71.02 | 69.15 | 46 |
| 45 | 70.71 | 70.71 | | 18.58 | 70.09 | 37.68 | 70.40 | 70.40 | 45 |
| Degrees. | Dep. | Lat. | Dep. | Lat. | Dep. | Lat. | Dep. | Lat. | Degrees. |
| | DEGREES. | ¾ DEGREE. | ½ DEGREE. | ¼ DEGREE. | | | | | |

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Focusing Telescope.

1637

CITY ENGINEER

TABLE OF STADIA REDUCTIONS
For a Constant of 100.
Rod Vertical.

| Min. | 0° | | 1° | | 2° | | 3° | | 4° | | 5° | | 6° | | 7° | | 8° | | 9° | | | |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------|-----|
| | Hor. Dist. | Dif. Elev. | Hor. Dist. | Dif. Elev. | Hor. Dist. | Dif. Elev. | Hor. Dist. | Dif. Elev. | Hor. Dist. | Dif. Elev. | Hor. Dist. | Dif. Elev. | Hor. Dist. | Dif. Elev. | Hor. Dist. | Dif. Elev. | Hor. Dist. | Dif. Elev. | Hor. Dist. | Dif. Elev. | | |
| 0' | 100.00 | 0.00 | 99.97 | 1.74 | 99.88 | 3.49 | 99.73 | 5.28 | 99.51 | 6.96 | 99.24 | 8.68 | 98.91 | 10.40 | 98.43 | 12.10 | 97.81 | 13.72 | 97.09 | 15.25 | | |
| 2 | 100.00 | .12 | 99.97 | 1.86 | 99.87 | 3.60 | 99.71 | 5.34 | 99.41 | 7.02 | 99.23 | 8.74 | 98.90 | 10.45 | 98.41 | 12.11 | 97.79 | 13.73 | 97.07 | 15.26 | | |
| 4 | 100.00 | .24 | 99.96 | 1.98 | 99.84 | 3.72 | 99.70 | 5.44 | 99.39 | 7.17 | 99.21 | 8.86 | 98.88 | 10.57 | 98.38 | 12.22 | 97.77 | 13.82 | 97.05 | 15.35 | | |
| 6 | 100.00 | .36 | 99.95 | 2.10 | 99.83 | 3.84 | 99.69 | 5.52 | 99.37 | 7.31 | 99.19 | 9.00 | 98.86 | 10.68 | 98.36 | 12.31 | 97.75 | 13.91 | 97.04 | 15.44 | | |
| 8 | 100.00 | .48 | 99.94 | 2.22 | 99.82 | 3.96 | 99.66 | 5.60 | 99.35 | 7.45 | 99.17 | 9.10 | 98.84 | 10.79 | 98.34 | 12.40 | 97.74 | 14.00 | 97.03 | 15.53 | | |
| 10 | 100.00 | .60 | 99.93 | 2.34 | 99.81 | 4.08 | 99.63 | 5.68 | 99.33 | 7.59 | 99.15 | 9.15 | 98.82 | 10.90 | 98.32 | 12.49 | 97.73 | 14.09 | 97.02 | 15.62 | | |
| 12 | 100.00 | .72 | 99.92 | 2.46 | 99.80 | 4.20 | 99.60 | 5.76 | 99.31 | 7.73 | 99.13 | 9.20 | 98.80 | 11.01 | 98.30 | 12.58 | 97.72 | 14.18 | 97.01 | 15.71 | | |
| 14 | 100.00 | .84 | 99.91 | 2.58 | 99.79 | 4.32 | 99.57 | 5.84 | 99.29 | 7.87 | 99.11 | 9.25 | 98.78 | 11.12 | 98.28 | 12.67 | 97.71 | 14.27 | 97.00 | 15.80 | | |
| 16 | 100.00 | .96 | 99.90 | 2.70 | 99.78 | 4.44 | 99.54 | 5.92 | 99.27 | 8.01 | 99.09 | 9.30 | 98.76 | 11.23 | 98.26 | 12.76 | 97.70 | 14.36 | 96.99 | 15.89 | | |
| 18 | 100.00 | 1.08 | 99.89 | 2.82 | 99.77 | 4.56 | 99.51 | 6.00 | 99.25 | 8.15 | 99.07 | 9.35 | 98.74 | 11.34 | 98.24 | 12.85 | 97.69 | 14.45 | 96.98 | 15.98 | | |
| 20 | 100.00 | 1.20 | 99.88 | 2.94 | 99.76 | 4.68 | 99.48 | 6.08 | 99.23 | 8.29 | 99.05 | 9.40 | 98.72 | 11.45 | 98.22 | 12.94 | 97.68 | 14.54 | 96.97 | 16.07 | | |
| 22 | 100.00 | 1.32 | 99.87 | 3.06 | 99.75 | 4.80 | 99.45 | 6.16 | 99.21 | 8.43 | 99.03 | 9.45 | 98.70 | 11.56 | 98.20 | 13.03 | 97.67 | 14.63 | 96.96 | 16.16 | | |
| 24 | 100.00 | 1.44 | 99.86 | 3.18 | 99.74 | 4.92 | 99.42 | 6.24 | 99.19 | 8.57 | 99.01 | 9.50 | 98.68 | 11.67 | 98.18 | 13.12 | 97.66 | 14.72 | 96.95 | 16.25 | | |
| 26 | 100.00 | 1.56 | 99.85 | 3.30 | 99.73 | 5.04 | 99.39 | 6.32 | 99.17 | 8.71 | 98.99 | 9.55 | 98.66 | 11.78 | 98.16 | 13.21 | 97.65 | 14.81 | 96.94 | 16.34 | | |
| 28 | 100.00 | 1.68 | 99.84 | 3.42 | 99.72 | 5.16 | 99.36 | 6.40 | 99.15 | 8.85 | 98.97 | 9.60 | 98.64 | 11.89 | 98.14 | 13.30 | 97.64 | 14.90 | 96.93 | 16.43 | | |
| 30 | 100.00 | 1.80 | 99.83 | 3.54 | 99.71 | 5.28 | 99.33 | 6.48 | 99.13 | 8.99 | 98.95 | 9.65 | 98.62 | 12.00 | 98.12 | 13.39 | 97.63 | 15.00 | 96.92 | 16.52 | | |
| 32 | 100.00 | 1.92 | 99.82 | 3.66 | 99.70 | 5.40 | 99.30 | 6.56 | 99.11 | 9.13 | 98.93 | 9.70 | 98.60 | 12.11 | 98.10 | 13.48 | 97.62 | 15.09 | 96.91 | 16.61 | | |
| 34 | 100.00 | 2.04 | 99.81 | 3.78 | 99.69 | 5.52 | 99.27 | 6.64 | 99.09 | 9.27 | 98.91 | 9.75 | 98.58 | 12.22 | 98.08 | 13.57 | 97.61 | 15.18 | 96.90 | 16.70 | | |
| 36 | 100.00 | 2.16 | 99.80 | 3.90 | 99.68 | 5.64 | 99.24 | 6.72 | 99.07 | 9.41 | 98.89 | 9.80 | 98.56 | 12.33 | 98.06 | 13.66 | 97.60 | 15.27 | 96.89 | 16.79 | | |
| 38 | 100.00 | 2.28 | 99.79 | 4.02 | 99.67 | 5.76 | 99.21 | 6.80 | 99.05 | 9.55 | 98.87 | 9.85 | 98.54 | 12.44 | 98.04 | 13.75 | 97.59 | 15.36 | 96.88 | 16.88 | | |
| 40 | 100.00 | 2.40 | 99.78 | 4.14 | 99.66 | 5.88 | 99.18 | 6.88 | 99.03 | 9.69 | 98.85 | 9.90 | 98.52 | 12.55 | 98.02 | 13.84 | 97.58 | 15.45 | 96.87 | 16.97 | | |
| 42 | 100.00 | 2.52 | 99.77 | 4.26 | 99.65 | 6.00 | 99.15 | 6.96 | 99.01 | 9.83 | 98.83 | 9.95 | 98.50 | 12.66 | 98.00 | 13.93 | 97.57 | 15.54 | 96.86 | 17.06 | | |
| 44 | 100.00 | 2.64 | 99.76 | 4.38 | 99.64 | 6.12 | 99.12 | 7.04 | 98.99 | 9.97 | 98.81 | 10.00 | 98.48 | 12.77 | 97.98 | 14.02 | 97.56 | 15.63 | 96.85 | 17.15 | | |
| 46 | 100.00 | 2.76 | 99.75 | 4.50 | 99.63 | 6.24 | 99.09 | 7.12 | 98.97 | 10.11 | 98.79 | 10.05 | 98.46 | 12.88 | 97.96 | 14.11 | 97.55 | 15.72 | 96.84 | 17.24 | | |
| 48 | 100.00 | 2.88 | 99.74 | 4.62 | 99.62 | 6.36 | 99.06 | 7.20 | 98.95 | 10.23 | 98.77 | 10.10 | 98.44 | 12.99 | 97.94 | 14.20 | 97.54 | 15.81 | 96.83 | 17.33 | | |
| 50 | 100.00 | 3.00 | 99.73 | 4.74 | 99.61 | 6.48 | 99.03 | 7.28 | 98.93 | 10.35 | 98.75 | 10.15 | 98.42 | 13.10 | 97.92 | 14.29 | 97.53 | 15.90 | 96.82 | 17.42 | | |
| 52 | 100.00 | 3.12 | 99.72 | 4.86 | 99.60 | 6.60 | 99.00 | 7.36 | 98.91 | 10.47 | 98.73 | 10.20 | 98.40 | 13.21 | 97.90 | 14.38 | 97.52 | 16.00 | 96.81 | 17.51 | | |
| 54 | 100.00 | 3.24 | 99.71 | 4.98 | 99.59 | 6.72 | 98.97 | 7.44 | 98.89 | 10.59 | 98.71 | 10.25 | 98.38 | 13.32 | 97.88 | 14.47 | 97.51 | 16.09 | 96.80 | 17.60 | | |
| 56 | 100.00 | 3.36 | 99.70 | 5.10 | 99.58 | 6.84 | 98.94 | 7.52 | 98.87 | 10.71 | 98.69 | 10.30 | 98.36 | 13.43 | 97.86 | 14.56 | 97.50 | 16.18 | 96.79 | 17.69 | | |
| 58 | 100.00 | 3.48 | 99.69 | 5.22 | 99.57 | 6.96 | 98.91 | 7.60 | 98.85 | 10.83 | 98.67 | 10.35 | 98.34 | 13.54 | 97.84 | 14.65 | 97.49 | 16.27 | 96.78 | 17.78 | | |
| 60 | 100.00 | 3.60 | 99.68 | 5.34 | 99.56 | 7.08 | 98.88 | 7.68 | 98.83 | 10.95 | 98.65 | 10.40 | 98.32 | 13.65 | 97.82 | 14.74 | 97.48 | 16.36 | 96.77 | 17.87 | | |
| c= .75... | | | | | | | | | | | | | | | | | | | | | | |
| c=1.15... | 1.15 | .01 | 1.15 | .05 | 1.15 | .06 | 1.15 | .07 | 1.15 | .08 | 1.14 | .11 | 1.14 | .13 | 1.14 | .15 | 1.14 | .18 | 1.14 | .21 | 1.14 | .25 |
| c=1.90... | 1.90 | .02 | 1.90 | .05 | 1.90 | .06 | 1.90 | .12 | 1.89 | .15 | 1.89 | .18 | 1.89 | .21 | 1.89 | .25 | 1.89 | .28 | 1.89 | .31 | 1.88 | .35 |

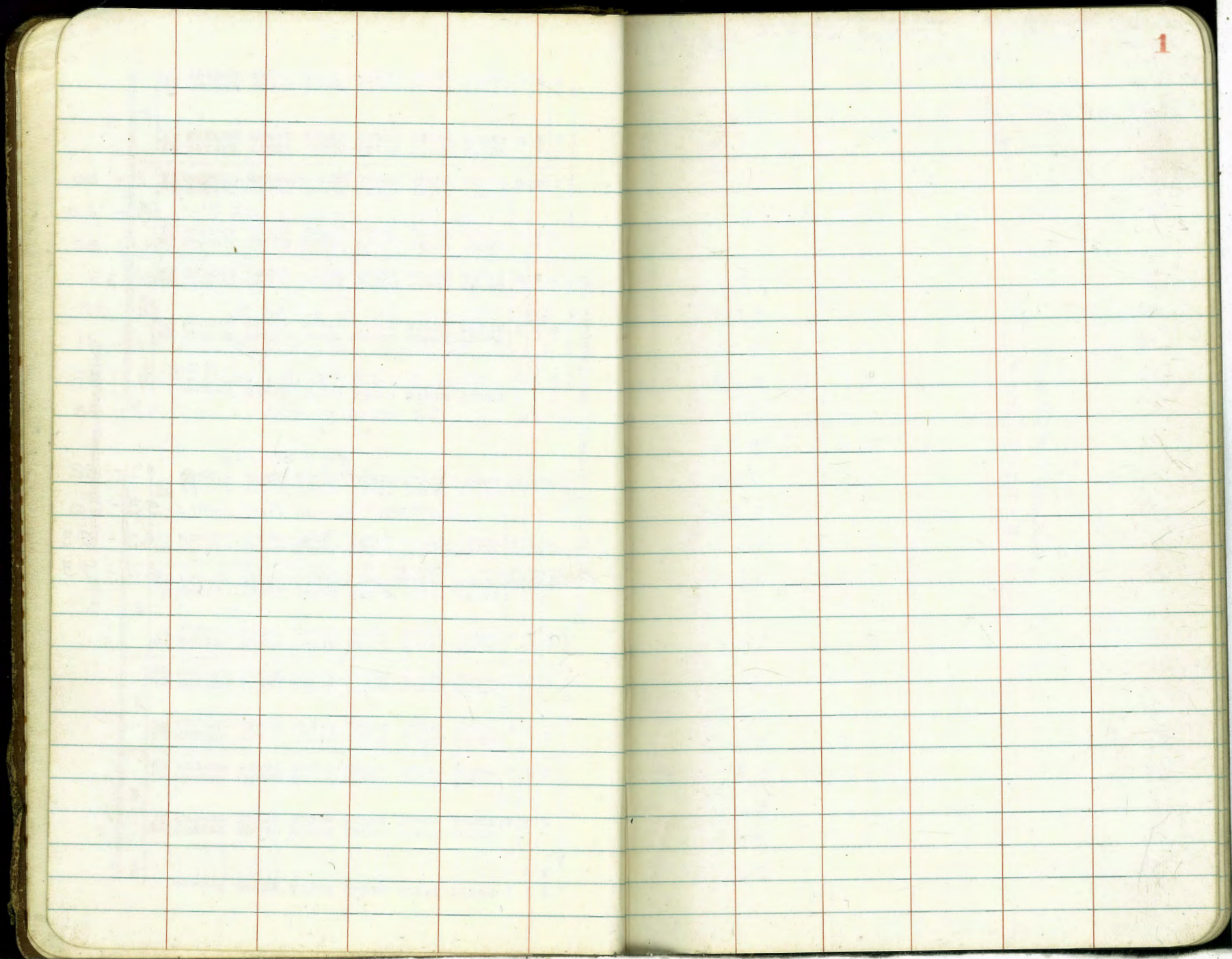
Published by the A. LIETZ Co., San Francisco, Cal.

TABLE OF STADIA REDUCTIONS.—Continued.

| Min. | 24° | | 25° | | 26° | | 27° | | 28° | | 29° | | 30° | |
|-----------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | Hor. Dist. | Diff. Elev. | Hor. Dist. | Diff. Elev. | Hor. Dist. | Diff. Elev. | Hor. Dist. | Diff. Elev. | Hor. Dist. | Diff. Elev. | Hor. Dist. | Diff. Elev. | Hor. Dist. | Diff. Elev. |
| 0 | 83.46 | 37.16 | 82.14 | 38.30 | 80.78 | 39.40 | 79.39 | 40.45 | 77.95 | 41.45 | 76.50 | 42.40 | 75.00 | 43.30 |
| 2 | 83.46 | 37.16 | 82.09 | 38.34 | 80.74 | 39.41 | 79.36 | 40.49 | 77.91 | 41.48 | 76.45 | 42.43 | 74.95 | 43.38 |
| 4 | 83.46 | 37.16 | 82.04 | 38.28 | 80.69 | 39.42 | 79.31 | 40.53 | 77.86 | 41.52 | 76.40 | 42.47 | 74.90 | 43.42 |
| 6 | 83.33 | 37.27 | 82.01 | 38.41 | 80.65 | 39.54 | 79.27 | 40.59 | 77.81 | 41.58 | 76.35 | 42.51 | 74.85 | 43.46 |
| 8 | 83.28 | 37.31 | 81.98 | 38.45 | 80.60 | 39.58 | 79.22 | 40.63 | 77.77 | 41.61 | 76.30 | 42.55 | 74.80 | 43.49 |
| 10 | 83.24 | 37.35 | 81.92 | 38.49 | 80.55 | 39.62 | 79.16 | 40.67 | 77.72 | 41.65 | 76.25 | 42.59 | 74.75 | 43.53 |
| 12 | 83.20 | 37.39 | 81.87 | 38.53 | 80.51 | 39.66 | 79.11 | 40.71 | 77.67 | 41.69 | 76.20 | 42.63 | 74.70 | 43.57 |
| 14 | 83.15 | 37.43 | 81.83 | 38.56 | 80.46 | 39.69 | 79.06 | 40.74 | 77.62 | 41.73 | 76.15 | 42.67 | 74.65 | 43.61 |
| 16 | 83.11 | 37.47 | 81.78 | 38.60 | 80.41 | 39.72 | 79.01 | 40.77 | 77.57 | 41.77 | 76.10 | 42.71 | 74.60 | 43.65 |
| 18 | 83.07 | 37.51 | 81.74 | 38.64 | 80.37 | 39.75 | 78.96 | 40.79 | 77.52 | 41.81 | 76.05 | 42.75 | 74.55 | 43.69 |
| 20 | 83.02 | 37.54 | 81.69 | 38.67 | 80.32 | 39.78 | 78.92 | 40.82 | 77.48 | 41.85 | 76.00 | 42.79 | 74.50 | 43.73 |
| 22 | 82.98 | 37.58 | 81.65 | 38.71 | 80.28 | 39.81 | 78.87 | 40.85 | 77.43 | 41.89 | 75.95 | 42.83 | 74.45 | 43.77 |
| 24 | 82.93 | 37.62 | 81.60 | 38.75 | 80.23 | 39.83 | 78.82 | 40.88 | 77.38 | 41.93 | 75.90 | 42.87 | 74.40 | 43.81 |
| 26 | 82.89 | 37.66 | 81.56 | 38.78 | 80.18 | 39.86 | 78.77 | 40.91 | 77.33 | 41.97 | 75.85 | 42.91 | 74.35 | 43.85 |
| 28 | 82.85 | 37.70 | 81.51 | 38.82 | 80.14 | 39.89 | 78.73 | 40.94 | 77.28 | 42.01 | 75.80 | 42.95 | 74.30 | 43.89 |
| 30 | 82.80 | 37.74 | 81.47 | 38.85 | 80.09 | 39.92 | 78.68 | 40.97 | 77.23 | 42.05 | 75.75 | 42.99 | 74.25 | 43.93 |
| 32 | 82.76 | 37.77 | 81.42 | 38.89 | 80.04 | 39.95 | 78.63 | 41.00 | 77.18 | 42.09 | 75.70 | 43.03 | 74.20 | 43.97 |
| 34 | 82.72 | 37.81 | 81.38 | 38.93 | 80.00 | 39.97 | 78.58 | 41.03 | 77.13 | 42.13 | 75.65 | 43.07 | 74.15 | 44.01 |
| 36 | 82.67 | 37.85 | 81.33 | 38.97 | 79.95 | 40.00 | 78.54 | 41.06 | 77.08 | 42.17 | 75.60 | 43.11 | 74.10 | 44.05 |
| 38 | 82.63 | 37.89 | 81.28 | 39.00 | 79.90 | 40.07 | 78.49 | 41.09 | 77.03 | 42.21 | 75.55 | 43.15 | 74.05 | 44.09 |
| 40 | 82.58 | 37.93 | 81.24 | 39.04 | 79.86 | 40.11 | 78.44 | 41.12 | 76.98 | 42.25 | 75.50 | 43.19 | 74.00 | 44.13 |
| 42 | 82.54 | 37.96 | 81.19 | 39.08 | 79.81 | 40.14 | 78.39 | 41.15 | 76.93 | 42.29 | 75.45 | 43.23 | 73.95 | 44.17 |
| 44 | 82.49 | 38.00 | 81.15 | 39.11 | 79.76 | 40.18 | 78.34 | 41.18 | 76.88 | 42.33 | 75.40 | 43.27 | 73.90 | 44.21 |
| 46 | 82.45 | 38.04 | 81.10 | 39.15 | 79.72 | 40.21 | 78.30 | 41.22 | 76.84 | 42.37 | 75.35 | 43.31 | 73.85 | 44.25 |
| 48 | 82.41 | 38.08 | 81.06 | 39.18 | 79.67 | 40.24 | 78.25 | 41.25 | 76.79 | 42.41 | 75.30 | 43.35 | 73.80 | 44.29 |
| 50 | 82.36 | 38.11 | 81.01 | 39.22 | 79.62 | 40.28 | 78.20 | 41.29 | 76.74 | 42.45 | 75.25 | 43.39 | 73.75 | 44.33 |
| 52 | 82.32 | 38.15 | 80.97 | 39.25 | 79.58 | 40.31 | 78.15 | 41.32 | 76.69 | 42.49 | 75.20 | 43.43 | 73.70 | 44.37 |
| 54 | 82.27 | 38.19 | 80.92 | 39.29 | 79.53 | 40.35 | 78.10 | 41.36 | 76.64 | 42.53 | 75.15 | 43.47 | 73.65 | 44.41 |
| 56 | 82.23 | 38.23 | 80.87 | 39.33 | 79.48 | 40.38 | 78.06 | 41.39 | 76.59 | 42.57 | 75.10 | 43.51 | 73.60 | 44.45 |
| 58 | 82.18 | 38.26 | 80.83 | 39.36 | 79.44 | 40.42 | 78.01 | 41.42 | 76.54 | 42.61 | 75.05 | 43.55 | 73.55 | 44.49 |
| 60 | 82.14 | 38.30 | 80.78 | 39.40 | 79.39 | 40.45 | 77.96 | 41.45 | 76.49 | 42.65 | 75.00 | 43.59 | 73.50 | 44.53 |
| c=75... | 68 | 31 | 68 | 32 | 67 | 33 | 66 | 35 | 66 | 36 | 65 | 37 | 65 | 38 |
| c=1.15... | 1.05 | 48 | 1.04 | 50 | 1.03 | 51 | 1.02 | 53 | 1.01 | 55 | 1.00 | 57 | 0.99 | 58 |
| c=1.90... | 1.75 | 79 | 1.72 | 82 | 1.70 | 83 | 1.69 | 86 | 1.67 | 91 | 1.65 | 94 | 1.64 | 96 |

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X Sec. 40TH St Gamma-Boston 2-20
 ✓ N.W. Ret. Logan @ 45TH 21-23
 ✓ Hancock Walnut-Emery 24-32
 Survey N.L. lots 4-5-6 Blk. 10 Gardner Add. 33
 X Sec. Evans St. "L" to 150' N. 34-37
 " " 30TH "G"-Market. 38-41
 " " Alley Blk 42 Chas. Hensley (25 Sts) 42-46
 Survey lot's 1X2 Gardner Add. 47-48
 Cross section Alley Block 17 Sub. Div. lots 20 to 50
 ✓ Switzer Canyon N. of Dem. 53-60
 Levels Drainage E. side Shop. 62-63
 Cross Section 30x Colton 64-73



1

C.B. Walker
 J. Hardin
 M. Reed
 1-28-42

CROSS SECTION 40TH ST. 60' Wide
 From GAMMA ST.
 to BOSTON AVE.
 10' Cbr
 10' 1/4"

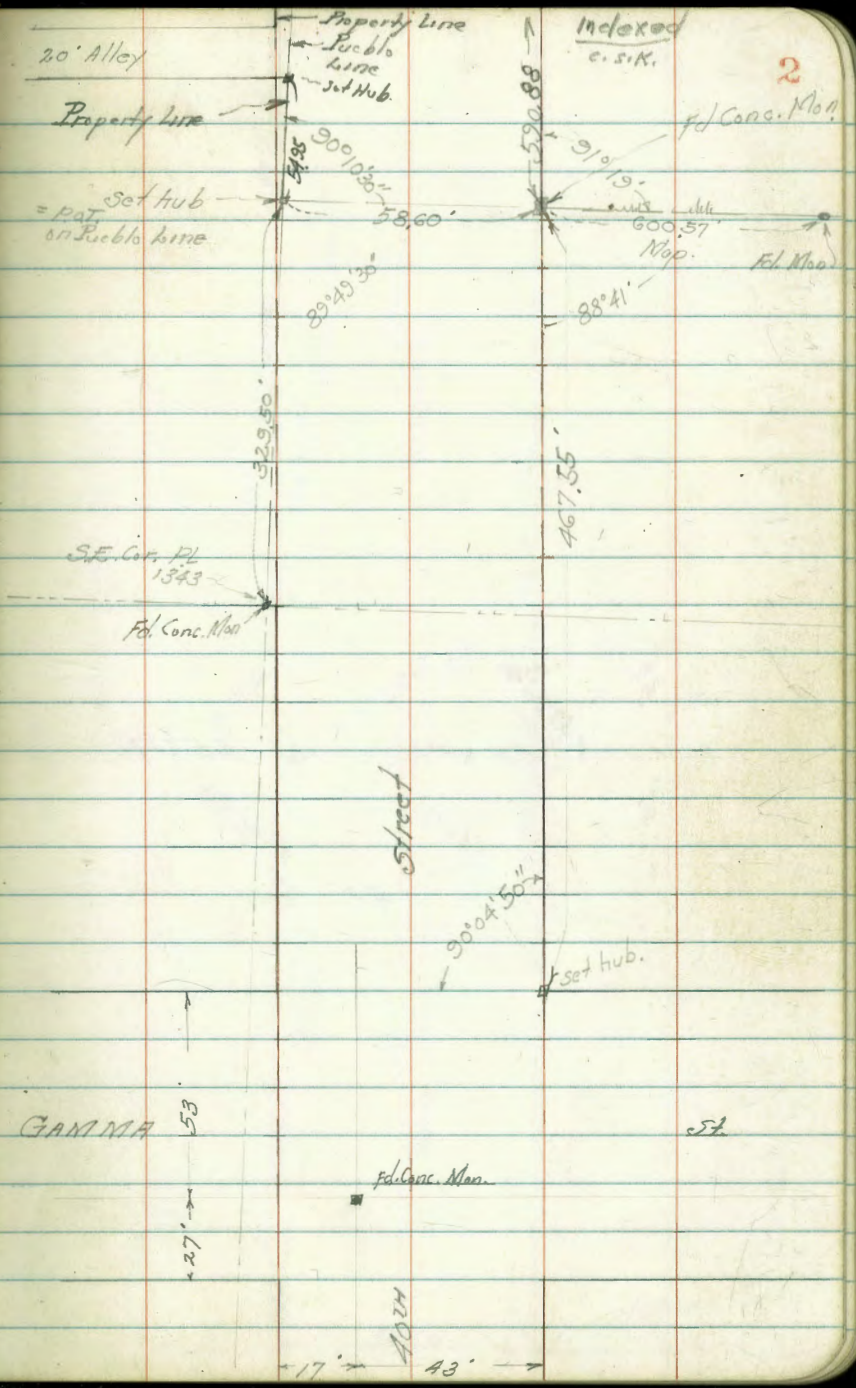
Note: 40th st. = Variable width - see Leebuck's Addition

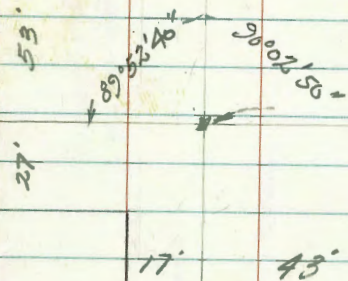
| | | | | |
|------|-------|-------|------|-------|
| | 11.68 | 74.97 | | 62.29 |
| T.P. | 12.56 | 87.37 | 0.16 | 74.81 |
| T.P. | 9.47 | 96.34 | 0.50 | 86.87 |

SKINE FOUND

| | | | | |
|---------|--|-----|--|-----|
| W | | 4.2 | | 921 |
| cb | | 3.5 | | 928 |
| +8 | | 4.2 | | 921 |
| 1/4 | | 4.8 | | 915 |
| d | | 4.6 | | 917 |
| 1/4 | | 4.3 | | 920 |
| +3 | | 4.2 | | 920 |
| +6 | | 3.1 | | 932 |
| E. cb | | 2.7 | | 936 |
| E. | | 2.8 | | 935 |
| St. 11' | | | | |
| E. | | 4.2 | | 921 |
| cb | | 4.2 | | 921 |
| +5 | | 4.8 | | 920 |
| +8 | | 5.3 | | 910 |
| 1/4 | | 5.6 | | 907 |
| d | | 5.6 | | 907 |
| 1/4 | | 6.3 | | 900 |
| +3 | | 5.1 | | 909 |
| +5 | | | | |

Cont. P. 6





Street

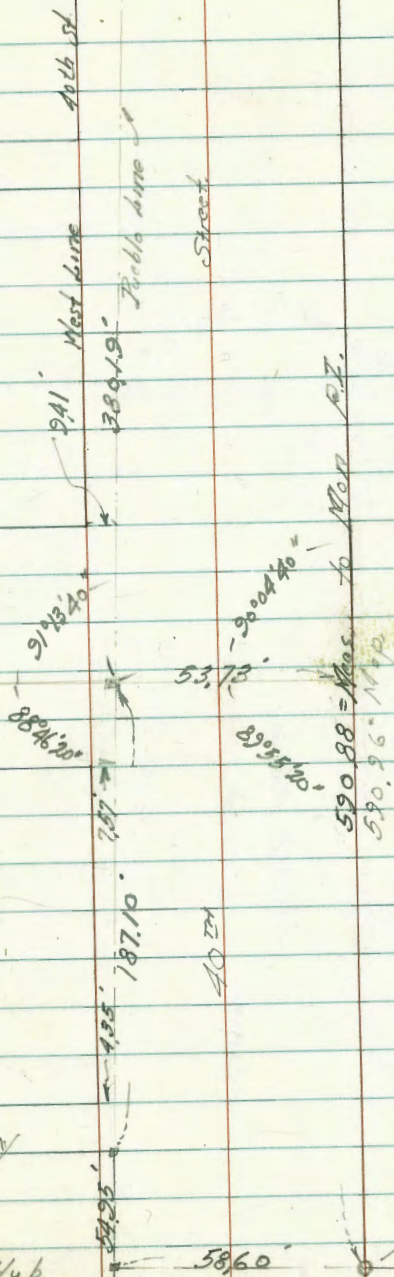
310TH

20' Alley.

Alpha

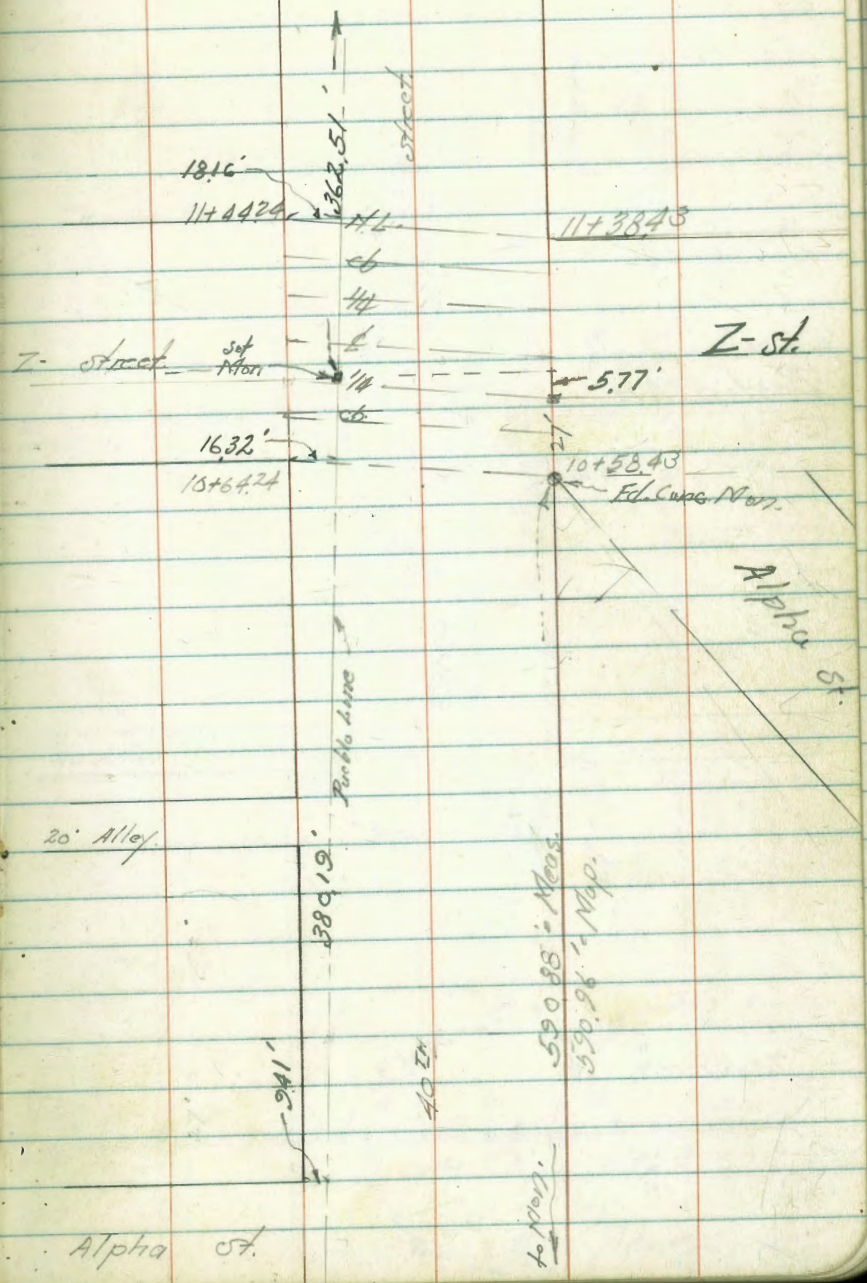
20' Alley

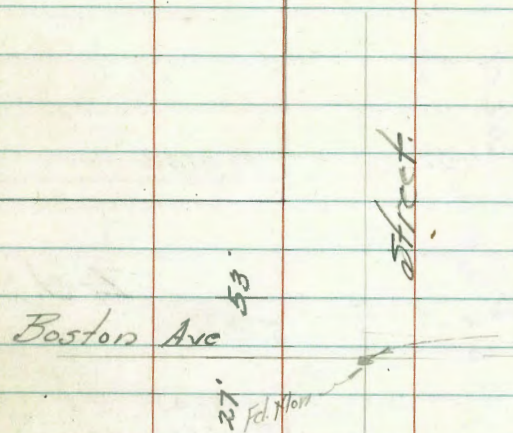
Set Hub on PLINE



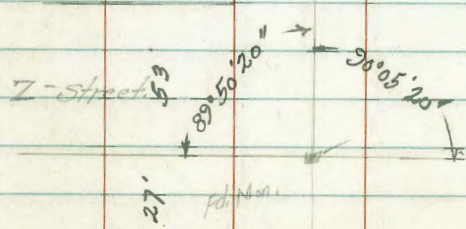
89°50'20" 8°45'20" 66°58'

380.07 Meas Street 3228

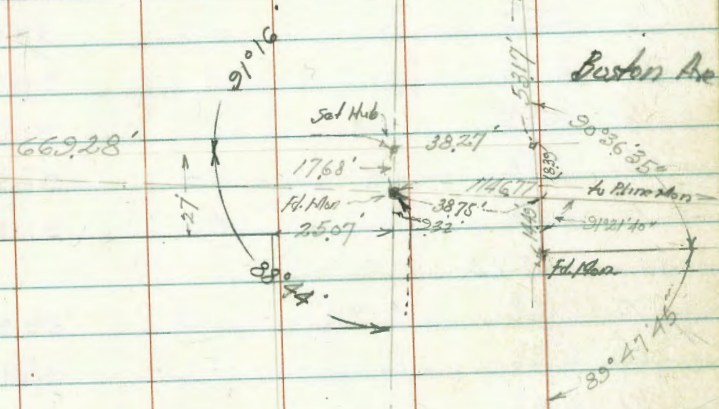




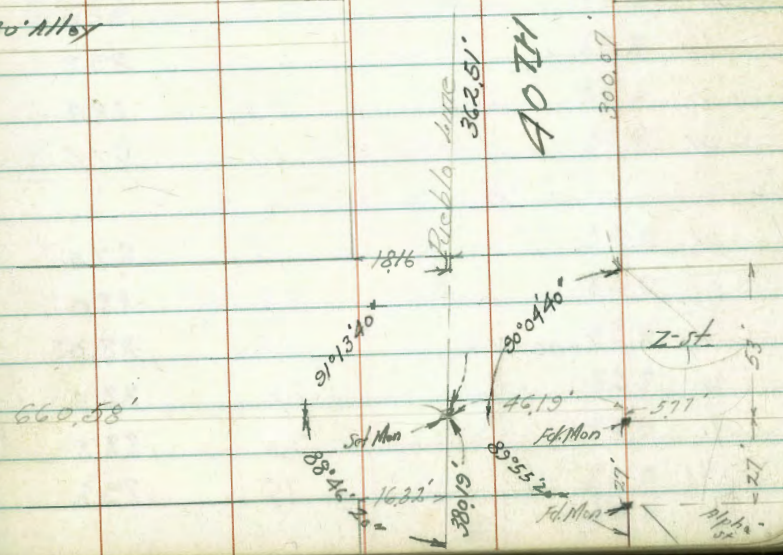
17' 43'



Page 139
Tice Sec 7, Print Book - 24 (47)



20' Alley



26.34 S.L. + 11'

Cont. from P-2

W cb 5.0 913

W/c 5.5 908

South cb = 14' N of S.L. Gumma

W/L 8.5 878

cb 7.6 887

1/4 6.7 896

1/2 6.0 903

1/4 5.7 906

cb 5.4 909

E 4.8 915

S cb + 3

E 6.4 899

cb 6.7 901

1/4 6.2 901

1/2 6.3 900

1/4 7.1 892

cb 7.9 884

W 8.7 876

S 1/4

W 8.9 874

cb 8.9 880

+ 7 on Conc. Mon. 8.29 8805

1/4 7.8 885

1/2 7.5 888

1/4 7.2 891

26.34

6

E cb 7.0 893

E/L 7.0 893

ch. cut stake 13x20 Grade Book 197-18 5.94 8940 ✓

S. Gumma St.

E 7.4 889

cb 7.7 886

1/4 8.3 880

1/2 9.8 86.5

1/4 9.1 87.2

W/cb 9.2 87.1

W/L 9.6 86.7

S + 5

W/L 13.3 83.0

W/cb 12.7 83.6

W 1/4 11.7 84.6

1/2 11.7 84.6

1/4 10.8 85.5

E cb 9.8 86.5

E/L 9.4 86.9

N 1/4 Gumma St.

E 12.3 84.0

cb 12.3 84.0

1/4 13.0 83.3

1/2 13.6 82.7

1/4 14.4 81.9

W/cb 15.1 81.2

W 15.4 80.9

2634 40th Cont. from P. 6

84.01

40TH ST. 7

| | | | | |
|--------------------|----------------------|-------|-------|-------|
| T.P. | 0.34 | 84.01 | 12.67 | 83.67 |
| | N cb. Gamma St | | | |
| W | | | 4.3 | 79.7 |
| cb. | | | 4.0 | 80.0 |
| 1/4 | | | 4.0 | 80.0 |
| 1/2 | | | 3.9 | 80.1 |
| 1/4 | | | 3.8 | 80.2 |
| cb. | | | 3.0 | 81.0 |
| F. | | | 2.8 | 81.2 |
| | 0+00 = N.L. Gamma St | | | |
| F. on Hub | | | 4.71 | 79.3 |
| cb. | | | 4.6 | 79.4 |
| 1/4 | | | 5.8 | 78.2 |
| 1/2 | | | 5.7 | 78.3 |
| 1/4 | | | 5.4 | 78.6 |
| cb. | | | 5.7 | 78.3 |
| W | | | 6.4 | 77.6 |
| | 0+25 | | | |
| -18 = F edge House | | | 8.2 | 75.8 |
| -10 | | | 8.6 | 75.4 |
| -9 | | | 10.0 | 74.0 |
| W | | | 10.0 | 74.0 |
| cb. | | | 2.6 | 74.4 |
| 1/4 | | | 2.4 | 74.6 |
| 1/2 | | | 8.9 | 75.1 |
| 1/4 | | | 8.3 | 75.7 |

| | | | | |
|-------|------|-------|-------|-------|
| F. cb | | | 8.0 | 76.0 |
| F. | | | 7.8 | 76.2 |
| +20 | | | 6.9 | 77.1 |
| | 0+50 | | | |
| -20 | | | 10.9 | 73.1 |
| F. | | | 11.0 | 73.0 |
| cb. | | | 11.2 | 72.8 |
| 1/4 | | | 11.5 | 72.5 |
| 1/2 | | | 11.7 | 72.3 |
| 1/4 | | | 12.2 | 71.8 |
| cb. | | | 12.2 | 71.8 |
| W | | | 12.2 | 71.8 |
| +20 | | | 12.6 | 71.4 |
| | 1+00 | | | |
| -20 | | | 14.4 | 69.6 |
| W | | | 14.4 | 69.6 |
| cb. | | | 14.6 | 69.4 |
| 1/4 | | | 14.5 | 69.5 |
| 1/2 | | | 14.3 | 69.7 |
| 1/4 | | | 14.1 | 69.9 |
| cb. | | | 13.8 | 70.2 |
| F. | | | 13.7 | 70.3 |
| +20 | | | 13.9 | 70.7 |
| T.P. | 0.99 | 72.03 | 12.97 | 71.04 |
| | 1+50 | | | |
| -20 | | | 3.4 | 68.6 |

72.03 40TH ST.
1450

| | | |
|-----|-----|------|
| E. | 3.6 | 68.4 |
| cb. | 3.7 | 68.3 |
| 1/4 | 3.6 | 68.4 |
| 1/2 | 3.8 | 68.2 |
| 1/4 | 3.7 | 68.3 |
| cb | 3.7 | 68.3 |
| W | 4.2 | 67.8 |
| +20 | 5.4 | 66.6 |

2.400

| | | |
|-----|-----|------|
| -20 | 5.6 | 66.4 |
| W | 5.2 | 66.8 |
| cb | 4.8 | 67.2 |
| 1/4 | 4.6 | 67.4 |
| 1/2 | 5.0 | 67.0 |
| 1/4 | 4.7 | 67.3 |
| cb. | 4.9 | 67.1 |
| E. | 5.8 | 67.0 |
| +20 | 4.8 | 67.2 |

2.450

| | | |
|-----|-----|------|
| -20 | 5.6 | 66.4 |
| E. | 5.3 | 66.7 |
| cb. | 5.1 | 66.9 |
| 1/4 | 5.1 | 66.9 |
| 1/2 | 5.3 | 66.7 |
| 1/4 | 5.2 | 66.8 |
| cb. | 5.3 | 66.7 |

72.03 40TH ST. 8

| | | |
|---------|-----|------|
| 11/12 E | 5.5 | 66.5 |
| +20 | 5.5 | 66.5 |
| E 3100 | | |
| -20 | 5.6 | 66.4 |
| W | 5.8 | 66.4 |
| cb. | 5.6 | 66.4 |
| 1/4 | 5.6 | 66.4 |
| 1/2 | 5.7 | 66.3 |
| 1/4 | 5.6 | 66.4 |
| cb. | 5.3 | 66.7 |
| E | 5.1 | 66.9 |
| +20 | 5.0 | 67.0 |

3.450

| | | |
|-----|-----|------|
| -20 | 7.2 | 64.1 |
| E | 8.0 | 64.0 |
| cb. | 7.8 | 64.2 |
| 1/4 | 7.6 | 64.4 |
| 1/2 | 7.4 | 64.6 |
| 1/4 | 7.0 | 65.0 |
| cb. | 6.7 | 65.3 |
| W | 6.8 | 65.2 |
| +20 | 6.9 | 65.1 |

3.475

| | | |
|-----|-----|------|
| -20 | 8.5 | 63.5 |
| W | 9.2 | 62.8 |
| cb. | 8.9 | 63.1 |

7203

| | | |
|------------------|------|-----|
| W ^{1/4} | 8.9 | 631 |
| ♀ | 8.8 | 632 |
| ^{1/4} | 8.9 | 631 |
| cb | 8.9 | 631 |
| F | 9.6 | 624 |
| +20 | 10.6 | 614 |

4100

| | | |
|----------------|------|------|
| -20 | 12.6 | 584 |
| F | 12.3 | 587 |
| cb | 12.9 | 59.1 |
| ^{1/4} | 12.6 | 594 |
| ♀ | 12.6 | 594 |
| ^{1/4} | 12.7 | 593 |
| cb | 12.7 | 593 |
| W | 11.9 | 60.1 |
| +20 | 11.0 | 61.0 |

| | | | | |
|----|------|-------|-------|-------|
| TR | 1.50 | 60.88 | 12.65 | 59.38 |
|----|------|-------|-------|-------|

4150

| | | |
|----------------|-----|-----|
| -20 | 9.0 | 539 |
| W | 6.3 | 546 |
| cb | 6.9 | 540 |
| ^{1/4} | 6.9 | 540 |
| ♀ | 7.0 | 539 |
| ^{1/4} | 7.0 | 539 |
| cb | 7.2 | 537 |
| F | 7.3 | 536 |
| +20 | 7.3 | 536 |

60.88

9

4170

| | | |
|----------------|-----|-----|
| -20 | 8.0 | 529 |
| F | 8.0 | 529 |
| cb | 7.8 | 531 |
| ^{1/4} | 7.6 | 533 |
| ♀ | 7.6 | 533 |
| ^{1/4} | 7.7 | 532 |
| cb | 7.9 | 530 |
| W | 7.9 | 530 |
| +20 | 8.1 | 528 |

4175

| | | |
|----------------|-----|------|
| -20 | 8.5 | 524 |
| W | 9.3 | 51.6 |
| cb | 9.4 | 51.5 |
| ^{1/4} | 9.1 | 51.8 |
| ♀ | 8.0 | 52.9 |
| ^{1/4} | 8.1 | 52.8 |
| cb | 8.2 | 52.7 |
| F | 8.6 | 52.3 |
| +20 | 8.3 | 52.6 |

5100

| | | |
|----------------|------|------|
| -20 | 11.0 | 49.9 |
| F | 10.7 | 50.2 |
| cb | 10.6 | 50.3 |
| ^{1/4} | 11.0 | 49.9 |
| ♀ | 11.0 | 49.9 |

60.88

| | | | |
|------------------|-------------------------|-------|-------------|
| W ^{1/4} | | 10.5 | 50.4 |
| W/cb. | | 10.6 | 50.3 |
| W/L. | | 10.3 | 50.6 |
| +20 | | 10.7 | 50.2 |
| J.P. | 2.94 | 50.79 | 12.53 48.35 |
| | 5+2A.23 = SL Alley on W | | |
| -20 | | 1.6 | 49.2 |
| W | | 2.0 | 48.8 |
| cb. | | 2.1 | 48.7 |
| 1/4 | | 1.8 | 49.0 |
| 1/2 | | 1.7 | 49.1 |
| 1/4 | | 0.8 | 50.0 |
| cb. | | 1.0 | 49.8 |
| E | | 1.2 | 49.6 |
| +20 | | 3.1 | 48.7 |
| | 5+50 | | |
| -20 | | 2.6 | 48.2 |
| E | | 3.1 | 47.7 |
| cb. | | 3.0 | 47.8 |
| 1/4 | | 3.0 | 47.8 |
| 1/2 | | 2.7 | 48.1 |
| 1/4 | | 3.2 | 47.6 |
| cb. | | 3.4 | 47.4 |
| W | | 3.4 | 46.9 |
| +20 | | 3.7 | 47.1 |

50.79

10

| | | | |
|-----|------|-----|------|
| | 5+75 | | |
| -20 | | 5.3 | 45.5 |
| W | | 5.1 | 45.7 |
| cb. | | 5.3 | 45.5 |
| 1/4 | | 5.0 | 45.8 |
| 1/2 | | 4.7 | 46.1 |
| 1/4 | | 4.6 | 46.2 |
| cb. | | 4.8 | 46.0 |
| E | | 4.4 | 46.4 |
| +20 | | 4.8 | 46.0 |
| | 6+00 | | |
| -20 | | 7.0 | 43.8 |
| E | | 7.4 | 43.4 |
| cb. | | 7.1 | 43.7 |
| 1/4 | | 6.7 | 44.1 |
| 1/2 | | 7.0 | 43.8 |
| 1/4 | | 6.8 | 44.0 |
| cb. | | 7.0 | 43.8 |
| W | | 5.7 | 45.1 |
| +20 | | 6.0 | 44.8 |
| | 6+16 | | |
| -20 | | 7.0 | 43.8 |
| W | | 6.8 | 44.0 |
| cb. | | 8.1 | 42.7 |
| 1/4 | | 8.1 | 42.1 |
| 1/2 | | 8.0 | 42.8 |

5079

| | | |
|-------|------|-----|
| E 1/4 | 7.8 | 430 |
| E cb | 8.0 | 428 |
| E 1/4 | 7.8 | 430 |
| +20 | 7.5 | 433 |
| | 6+20 | |
| -20 | 9.4 | 414 |
| E | 9.3 | 415 |
| +6 | 9.4 | 414 |
| cb. | 8.7 | 422 |
| +3 | 8.0 | 428 |
| 1/4 | 8.2 | 426 |
| 1/2 | 8.4 | 424 |
| 1/4 | 8.6 | 422 |
| cb. | 8.7 | 421 |
| W | 7.3 | 435 |
| +20 | 7.5 | 433 |
| | 6+50 | |
| -20 | 11.6 | 392 |
| W | 10.3 | 405 |
| cb. | 11.7 | 391 |
| 1/4 | 11.7 | 391 |
| 1/2 | 11.7 | 391 |
| 1/4 | 11.5 | 393 |
| cb. | 11.2 | 396 |
| E | 11.6 | 392 |
| +20 | 12.3 | 385 |

5079

11

| | | | |
|-----------|---------------------|-------|-------|
| TP = 0.09 | 38.19 | 12.69 | 38.10 |
| | 6+72 | | |
| -20 | | 1.4 | 36.8 |
| E | | 1.1 | 37.1 |
| cb. | | 1.4 | 36.8 |
| 1/4 | | 1.6 | 36.6 |
| 1/2 | | 1.4 | 36.8 |
| 1/4 | | 1.3 | 36.9 |
| +9 | | 1.2 | 37.0 |
| cb. | | 0.8 | 37.4 |
| +2 | | 0.2 | 38.0 |
| W | | 0.0 | 38.2 |
| +20 | | 2.1 | 36.1 |
| | 6+81.24 = SL Alpha | | |
| -20 | | 2.9 | 34.3 |
| W | | 2.0 | 35.2 |
| cb. | | 2.7 | 35.5 |
| 1/4 | | 2.9 | 35.3 |
| 1/2 | | 3.1 | 35.1 |
| 1/4 | | 3.1 | 35.1 |
| cb. | | 3.2 | 35.0 |
| E | | 3.7 | 34.5 |
| +20 | | 4.1 | 34.1 |
| | 6+98.24 = Scb Alpha | | |
| -20 | | 4.9 | 33.3 |
| W | | 5.3 | 32.9 |

3819

| | | |
|-------|--------------------------|-----|
| F. cb | 5.0 | 332 |
| " 1/4 | 4.8 | 334 |
| ♀ | 4.6 | 336 |
| 1/4 | 4.7 | 335 |
| cb | 4.8 | 334 |
| W | 5.4 | 328 |
| +20 | 6.2 | 320 |
| | 7+11.24 = 5 1/4 Alpha st | |
| -20 | 6.6 | 316 |
| W | 6.2 | 320 |
| cb | 6.7 | 320 |
| 1/4 | 6.1 | 321 |
| ♀ | 6.5 | 317 |
| 1/4 | 6.5 | 317 |
| cb | 7.0 | 312 |
| F. | 7.0 | 312 |
| +12 | 6.5 | 317 |
| +20 | 5.3 | 329 |
| | 7+29.24 = 8 Alpha st | |
| -20 | 6.4 | 318 |
| -10 | 8.0 | 302 |
| F. | 8.3 | 299 |
| cb | 8.7 | 295 |
| 1/4 | 8.3 | 299 |
| ♀ | 8.2 | 300 |
| 1/4 | 7.9 | 303 |

3819

12

| | | |
|-----|-----------------------------------|------|
| cb | 7.6 | 306 |
| W | 7.7 | 305 |
| +20 | 8.3 | 299 |
| | 7+29.24 = 5 1/4 North of Alpha st | |
| -20 | 8.8 | 294 |
| W | 8.1 | 301 |
| cb | 8.2 | 300 |
| 1/4 | 8.6 | 296 |
| ♀ | 8.8 | 294 |
| 1/4 | 8.9 | 293 |
| cb | 9.2 | 290 |
| F. | 8.7 | 295 |
| +10 | 8.3 | 299 |
| +20 | 6.9 | 313 |
| | 7+31.24 = 7 N of Alpha st | |
| -20 | 7.1 | 311 |
| -12 | 8.2 | 300 |
| F. | 9.1 | 291 |
| cb | 9.4 | 288 |
| 1/4 | 9.2 | 290 |
| ♀ | 9.2 | 290 |
| 1/4 | 9.0 | 292 |
| cb | 9.6 | 286 |
| W | 9.6 | 286 |
| +20 | 10.3 | 27.9 |

3819

7+37.24 = N 1/4 Alpha St

| | | |
|-----|------|------|
| -20 | 10.3 | 27.9 |
| W | 9.9 | 28.3 |
| cb. | 9.7 | 28.5 |
| 1/4 | 9.7 | 28.5 |
| 1/2 | 9.8 | 28.4 |
| 1/4 | 9.8 | 28.4 |
| cb. | 10.0 | 28.2 |
| E. | 9.5 | 28.7 |
| +20 | 7.4 | 30.8 |

7+50.24 = N cb. Alpha St

| | | |
|-----|------|------|
| -20 | 8.6 | 29.6 |
| E. | 10.3 | 27.8 |
| cb. | 11.2 | 27.0 |
| 1/4 | 11.2 | 27.0 |
| 1/2 | 11.4 | 26.8 |
| 1/4 | 11.5 | 26.7 |
| cb. | 11.2 | 27.0 |
| W | 11.1 | 27.1 |
| +20 | 11.6 | 26.6 |

7+64.24 = N 1/4 Alpha on West

| | | |
|-----|------|------|
| -20 | 12.1 | 25.1 |
| W | 12.4 | 25.8 |
| cb. | 12.5 | 25.7 |
| 1/4 | 12.9 | 25.3 |
| 1/2 | 12.8 | 25.4 |

3819

13

| | | |
|-------|------|------|
| E 1/4 | 12.3 | 25.9 |
| cb. | 12.0 | 26.2 |
| E. | 11.1 | 27.1 |
| +20 | 9.4 | 28.8 |

| | | | | |
|------|------|-------|-------|-------|
| T.P. | 0.13 | 27.18 | 11.14 | 27.05 |
| | 8+00 | | | |

| | | |
|-----|-----|------|
| -20 | 1.3 | 25.9 |
| E. | 2.5 | 24.7 |
| cb. | 3.1 | 24.1 |
| 1/4 | 3.8 | 23.4 |
| 1/2 | 4.2 | 23.0 |
| 1/4 | 4.6 | 22.6 |
| cb. | 4.8 | 22.4 |
| W | 5.1 | 22.1 |
| +20 | 5.4 | 21.8 |

8+50

| | | |
|-----|-----|------|
| -20 | 8.5 | 18.7 |
| W | 8.1 | 19.1 |
| cb. | 7.6 | 19.6 |
| 1/4 | 7.5 | 19.7 |
| 1/2 | 7.5 | 19.7 |
| 1/4 | 7.0 | 20.2 |
| cb. | 6.9 | 20.3 |
| E. | 6.5 | 20.7 |
| +20 | 6.2 | 21.0 |

on 1/2 Iron Pipe
FLINE
7+67.50

27.18

9+0424 - South Mine Alley on West

| | | |
|-----|-----|------|
| -20 | 7.3 | 19.9 |
| E | 7.7 | 19.5 |
| cb. | 7.8 | 19.4 |
| 1/4 | 8.1 | 19.1 |
| 1/2 | 8.4 | 18.8 |
| 1/4 | 8.6 | 18.6 |
| cb. | 8.3 | 18.9 |
| W | 8.7 | 18.5 |
| +20 | 9.3 | 17.9 |

9+2924 - N.L. Alley on W

| | | |
|-----|-----|------|
| -20 | 9.6 | 17.6 |
| W | 8.6 | 18.6 |
| cb. | 8.5 | 18.7 |
| 1/4 | 8.7 | 18.5 |
| 1/2 | 8.2 | 19.0 |
| 1/4 | 8.2 | 19.0 |
| cb. | 7.9 | 19.3 |
| E | 7.6 | 19.6 |
| +20 | 7.4 | 19.8 |

9+50

| | | |
|-----|-----|------|
| -20 | 6.3 | 20.4 |
| E | 6.9 | 20.3 |
| cb. | 6.8 | 20.4 |
| 1/4 | 7.6 | 19.6 |
| 1/2 | 8.9 | 18.9 |

27.18

14

| | | |
|-------|-----|------|
| 1 1/4 | 8.5 | 18.7 |
| cb. | 8.4 | 18.8 |
| W | 8.8 | 18.4 |
| +20 | 9.7 | 17.5 |

10+00

| | | |
|-----|-----|------|
| -20 | 9.8 | 17.4 |
| W | 9.6 | 17.6 |
| cb. | 9.0 | 18.2 |
| 1/4 | 8.8 | 18.4 |
| 1/2 | 8.3 | 18.9 |
| 1/4 | 8.3 | 18.9 |
| cb. | 7.9 | 19.3 |
| E | 7.5 | 19.7 |
| +20 | 7.4 | 19.8 |

T.P. 5.7.2.24.04 8.86.18.32
 10+58.4 on E = Sh. Z-sh on East
 diag sections see sketch R.4

| | | |
|------|-----|------|
| E-20 | 4.5 | 19.5 |
| E | 4.8 | 19.2 |
| cb. | 5.1 | 18.9 |
| 1/4 | 5.3 | 18.7 |
| 1/2 | 5.6 | 18.4 |
| 1/4 | 5.5 | 18.5 |
| cb. | 5.6 | 18.4 |
| W | 6.3 | 17.7 |
| +20 | 6.6 | 17.4 |

on 1/2 1/2 in
 on 1/2 in
 SE. Cor. 3-st
 Hand 40th

24-04

10+72.4 on E = 5cb. Z-st

| | | |
|-----|-----|------|
| -20 | 6.5 | 17.5 |
| W | 5.9 | 18.1 |
| cb. | 5.7 | 18.3 |
| 1/4 | 5.4 | 18.6 |
| 1/2 | 5.3 | 18.7 |
| 3/4 | 5.1 | 18.9 |
| cb. | 4.9 | 19.1 |
| E | 4.9 | 19.1 |
| +20 | 4.7 | 19.3 |

10+85.4 on E = 5 1/4 Z-st

| | | |
|-----|-----|------|
| -20 | 4.6 | 19.4 |
| E | 4.9 | 19.1 |
| cb. | 5.0 | 19.0 |
| 1/2 | 5.1 | 18.9 |
| 1/4 | 5.3 | 18.7 |
| 3/4 | 5.3 | 18.7 |
| cb. | 5.8 | 18.2 |
| W | 6.0 | 18.0 |
| +20 | 6.3 | 17.7 |

10+98.4 = 8 Z on E.

| | | |
|-------------|------|-------|
| -20 | 6.2 | 17.8 |
| W | 6.4 | 17.6 |
| cb. | 5.6 | 18.4 |
| 1/4 | 5.3 | 18.7 |
| 1/2 | 5.0 | 19.0 |
| 1/4 R10 MH. | 5.13 | 18.91 |

24-04

15

| | | |
|-------|-----|------|
| E 1/4 | 5.0 | 19.0 |
| cb. | 5.0 | 19.0 |
| E | 5.0 | 19.0 |
| +20 | 4.7 | 19.3 |

11+11.4 on E = N 1/4

| | | |
|-----|-----|------|
| -20 | 5.0 | 19.0 |
| E | 5.0 | 19.0 |
| cb. | 5.1 | 18.9 |
| 1/4 | 5.3 | 18.7 |
| 1/2 | 4.8 | 19.2 |
| 3/4 | 5.1 | 18.9 |

| | | |
|-----|-----|------|
| cb. | 5.7 | 18.3 |
| W | 6.3 | 17.7 |
| +20 | 6.6 | 17.4 |

11+24.4 = N cb Z-st

| | | |
|-----|-----|------|
| -20 | 6.5 | 17.5 |
| W | 6.4 | 17.6 |
| cb. | 5.8 | 18.2 |
| 1/4 | 5.0 | 19.0 |
| 1/2 | 5.0 | 19.0 |
| 3/4 | 5.1 | 18.9 |

| | | |
|-----|-----|------|
| cb. | 5.1 | 18.9 |
| E | 5.0 | 19.0 |
| +20 | 5.1 | 18.9 |

11+38.4 = N 1/4 Z on E

| | | |
|-----|-----|------|
| -20 | 5.0 | 19.0 |
|-----|-----|------|

Cont. p-15

2404

| | | |
|-------|-----|------|
| F | 51 | 18.9 |
| cb. | 50 | 19.0 |
| 1/4 | 4.9 | 19.1 |
| 2 | 5.1 | 18.9 |
| 1/4 | 5.0 | 19.0 |
| cb. | 5.4 | 18.6 |
| W | 6.0 | 18.0 |
| +20 | 6.3 | 17.7 |
| 12400 | | |
| -20 | 5.6 | 18.4 |
| W | 5.3 | 18.7 |
| cb. | 4.4 | 19.6 |
| 1/4 | 4.7 | 19.3 |
| 2 | 4.4 | 19.6 |
| 1/4 | 4.6 | 19.4 |
| cb. | 4.7 | 19.3 |
| F | 4.4 | 19.6 |
| +20 | 4.5 | 19.5 |
| 12450 | | |
| -20 | 4.2 | 19.8 |
| F | 4.1 | 19.9 |
| cb. | 4.4 | 19.6 |
| 1/4 | 4.4 | 19.6 |
| 2 | 4.7 | 19.3 |
| 1/4 | 4.9 | 19.1 |
| cb. | 4.6 | 19.4 |

2404

16

| | | | |
|-------|----------------------|------|------|
| -W | 5.0 | 19.0 | |
| +20 | 5.6 | 18.4 | |
| 12475 | | | |
| -20 | 6.0 | 18.0 | |
| W | 5.9 | 18.1 | |
| cb. | 5.9 | 18.1 | |
| 1/4 | 5.9 | 18.1 | |
| +5 | 6.7 | 17.3 | |
| 2 | 6.4 | 17.6 | |
| 1/4 | 6.1 | 17.9 | |
| cb. | 6.2 | 17.8 | |
| F | 5.5 | 18.5 | |
| +20 | 5.6 | 18.4 | |
| 12483 | | | |
| -90 | = South edge channel | 13.3 | |
| -55 | = Top Bank | 6.7 | 17.3 |
| -20 | 7.5 | 16.5 | |
| F | 7.4 | 16.6 | |
| cb. | 6.8 | 17.2 | |
| 1/4 | 6.8 | 17.2 | |
| 2 | 7.0 | 17.0 | |
| 1/4 | 6.5 | 17.5 | |
| cb. | 6.8 | 17.7 | |
| W | 6.1 | 17.9 | |
| +20 | 6.1 | 17.9 | |

2404

13+00

| | | |
|--------------------------|------|------|
| -125 = South Bot channel | 14.6 | 9.4 |
| -150 = Top Bank " | 8.2 | 15.8 |
| -25 | 2.2 | 14.8 |
| -20 | 8.0 | 16.0 |
| W | 7.6 | 16.4 |
| cb. | 7.6 | 16.4 |
| 1/6 | 7.8 | 16.2 |
| 1/2 | 8.1 | 15.9 |
| 1/4 | 8.2 | 15.8 |
| +8 | 8.1 | 15.9 |
| cb. | 6.7 | 17.3 |
| E. | 7.3 | 16.7 |
| +20 | 7.4 | 16.6 |
| +34 = S Bank channel | 8.1 | 15.9 |
| +65 = " Bottom " | 14.0 | 10.0 |
| 13+18 | | |
| -54 = N edge channel | 13.8 | 10.2 |
| -22 = S " " " | 13.2 | 10.8 |
| -14 = S Bank " | 9.9 | 14.1 |
| E. | 8.9 | 15.1 |
| cb. | 10.2 | 13.8 |
| 1/4 | 10.1 | 13.9 |
| 1/2 | 9.9 | 14.1 |
| +8 | 9.6 | 14.4 |
| 1/4 | 8.9 | 15.7 |

2404

17

| | | |
|---|------|------|
| cb. | 7.8 | 16.2 |
| W | 8.9 | 15.1 |
| +20 | 9.7 | 14.3 |
| +100 = S. Bank channel | 2.5 | 14.5 |
| +145 = S edge ^{Bottom} " | 14.2 | 9.8 |
| +162 = N " " " | 14.8 | 9.2 |
| 13+30 | | |
| -220 = N ^{edge} Bottom channel | 12.3 | 11.7 |
| -142 = S edge " " | 14.3 | 9.7 |
| -100 | 11.7 | 12.3 |
| -70 | 11.1 | 12.9 |
| W | 11.7 | 12.3 |
| cb. | 11.5 | 12.5 |
| 1/4 | 11.7 | 12.3 |
| 1/2 | 11.4 | 12.6 |
| 1/4 | 11.8 | 12.2 |
| cb. | 11.6 | 22.4 |
| E. = S. Bank channel | 11.2 | 22.8 |
| +14 = S edge channel | 13.5 | 10.5 |
| +40 | 12.9 | 11.1 |
| 13+35 | | |
| -37 = N edge channel | 12.8 | 11.2 |
| E. = S " " | 13.3 | 10.7 |
| cb. W | 13.2 | 10.8 |
| 1/4 | 12.8 | 11.2 |
| 1/2 | 12.2 | 11.8 |

2404

| | | |
|----------------|------|------|
| W 1/4 | 12.2 | 11.8 |
| W cb. | 11.7 | 12.3 |
| W L. | 11.9 | 12.1 |
| +20 | 10.6 | 13.4 |
| 13+55 | | |
| -25 in channel | 13.3 | 10.7 |
| -20 " " | 13.3 | 10.7 |
| W " " | 13.9 | 10.1 |
| cb. " " | 14.3 | 9.7 |
| 1/4 " " | 14.1 | 9.9 |
| L " " | 14.3 | 9.7 |
| 1/4 " " | 13.9 | 10.1 |
| cb. " " | 13.9 | 10.1 |
| E " N edge ch. | 13.3 | 10.7 |
| +10 = N Bank | 9.5 | 14.5 |
| +50 | 8.6 | 15.4 |
| 13+67 | | |
| -50 | 8.2 | 15.8 |
| -20 | 8.6 | 15.4 |
| E | 10.4 | 13.6 |
| cb. | 10.1 | 13.9 |
| 1/4 | 12.0 | 12.0 |
| L | 11.7 | 12.3 |
| 1/4 in channel | 12.0 | 12.0 |
| cb. in channel | 13.3 | 10.7 |
| W " " | 13.7 | 10.3 |
| +50 " " | 13.8 | 10.2 |

2404

18

| | | |
|---------------|------|------|
| 13+86 | | |
| -50 on N Bank | 11.0 | 13.0 |
| -11 " " " | 10.6 | 13.4 |
| W " " " | 8.4 | 15.6 |
| cb. | 8.7 | 15.8 |
| 1/4 | 8.2 | 15.8 |
| L | 9.9 | 14.1 |
| 1/4 | 10.7 | 13.8 |
| cb. | 9.6 | 14.4 |
| E. | 8.5 | 15.5 |
| +35 | 8.3 | 15.7 |
| 14+04 | | |
| -20 | 7.4 | 16.6 |
| E. | 7.7 | 16.3 |
| cb. | 7.5 | 16.5 |
| 1/4 | 7.9 | 16.1 |
| L | 7.1 | 16.9 |
| 1/4 | 7.6 | 16.4 |
| cb. | 8.2 | 15.8 |
| W | 9.1 | 14.9 |
| +20 | 8.8 | 15.2 |
| +30 | 9.6 | 14.4 |
| 14+20 | | |
| -20 | 5.3 | 18.7 |
| W | 5.0 | 19.0 |
| cb. | 4.4 | 19.6 |

24.04

| | | | | |
|-----------------|---------------|-------|-------|--|
| W 1/4 | | 46 | 19.4 | |
| E | | 52 | 18.8 | |
| 1/4 | | 6.9 | 17.1 | |
| cb. | | 6.5 | 17.5 | |
| E | | 5.7 | 18.3 | |
| +9 | | 5.1 | 18.9 | |
| +20 | | 4.0 | 20.0 | |
| TR | 11.82 | 31.32 | 4.54 | 19.50 <small>SE Cor. Mon Boston 40th</small> |
| TR | 13.11 | 44.30 | 0.13 | 31.19 |
| TR | 12.88 | 56.64 | 0.54 | 43.76 |
| TR | 10.64 | 66.69 | 0.59 | 56.05 |
| chk. SW Top Hyd | | 1.35 | 65.34 | <small>Norjonal 40th</small> |
| | | | 65.40 | <small>-8M</small> |
| | | | 0.06 | <small>= diff.</small> |
| | 5.17 | 24.67 | 12.50 | <small>SE Mon Boston 40th</small> |
| | 14+38.50 on E | | | |
| -20 | | 5.0 | 19.7 | |
| E | | 5.0 | 19.7 | |
| cb. | | 6.0 | 18.7 | |
| 1/4 | | 6.2 | 18.5 | |
| E | | 5.4 | 19.5 | |
| 1/4 | | 5.1 | 19.6 | |
| cb. | | 5.1 | 19.6 | |
| W | | 5.1 | 19.6 | |
| +20 | | 5.1 | 19.6 | |

24.67

19

| | | | |
|-----|---------------|-------------|------|
| | 14+81.5 = 2 | Boston on E | |
| -20 | | 5.2 | 19.5 |
| W | | 5.3 | 19.4 |
| cb. | | 5.2 | 19.5 |
| 1/4 | | 5.1 | 19.6 |
| E | | 5.0 | 19.7 |
| 1/4 | | 4.8 | 19.9 |
| cb. | | 4.9 | 19.8 |
| E | | 4.8 | 19.9 |
| +20 | | 5.5 | 19.2 |
| | 15+24.5 = 1.5 | Boston on E | |
| -20 | | 4.5 | 20.2 |
| E | | 4.5 | 20.2 |
| cb. | | 4.1 | 20.6 |
| 1/4 | | 4.1 | 20.6 |
| E | | 4.1 | 20.6 |
| 1/4 | | 4.3 | 20.4 |
| cb. | | 4.5 | 20.2 |
| W | | 4.7 | 20.0 |
| +20 | | 5.3 | 19.4 |

Walker
6-1-42

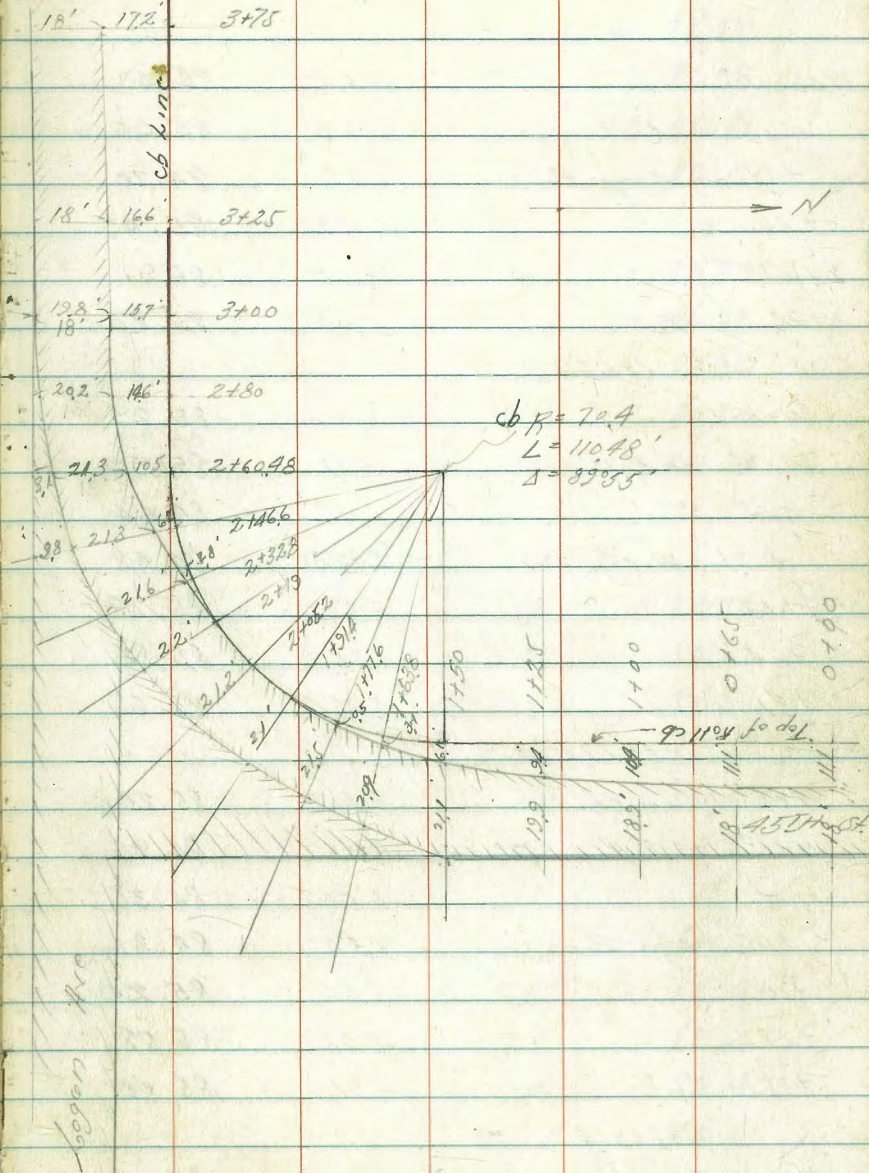
Levels - N.W. Return
Logan Ave + 45th Street

| | 5.83 | 20.86 | 85.03 |
|----------------------|------|-------|-------|
| | 0+00 | | |
| Wcb - 1' on top cb. | 4.26 | | 86.60 |
| " on Roll | 4.53 | | 86.33 |
| +11.1 on W edge | 4.50 | | 86.36 |
| +29 " Edge " | 4.41 | | 86.45 |
| | 0+65 | | |
| Wcb - 1' on top cb. | 4.55 | | 86.31 |
| " on Roll | 4.89 | | 85.97 |
| +11.1 on W edge Pav. | 5.01 | | 85.85 |
| +29 " E " " | 4.91 | | 85.95 |
| | 1+00 | | |
| Wcb - 1' on cb. | 4.82 | | 86.04 |
| W cb. Roll | 5.11 | | 85.75 |
| +10.4 W edge Pav. | 5.63 | | 85.23 |
| +29.3 E " " | 4.95 | | 85.91 |
| | 1+25 | | |
| Wcb - 1' on cb. | 5.08 | | 85.78 |
| W cb. on Roll | 5.42 | | 85.44 |
| +9.4 W edge Pav. | 5.96 | | 84.90 |
| +19.4 " " | 5.80 | | 85.56 |
| +29.3 E " Pav. | 4.93 | | 85.93 |

Cont P-22

INDEXED
C.S.K.

21



9086

| | | |
|--------------------|-----|-------|
| 1450 | | |
| Wcb-1' on cb. | 543 | 85.43 |
| Wcb. on Roll | 580 | 85.06 |
| +51 on W edge Por. | 616 | 84.70 |
| +16 " " " | 543 | 85.43 |
| +27.2 " " " | 495 | 85.91 |
| +291 " " " | 504 | 85.82 |

14638

| | | |
|------------------|-----|-------|
| Wcb-1 | 557 | 85.29 |
| Wcb. on Roll | 587 | 85.99 |
| Gut | 642 | 84.44 |
| +31 - W edge Por | 638 | 84.48 |
| +13 | 558 | 85.28 |
| +24 | 498 | 85.88 |
| +31 | 518 | 85.68 |

14776

| | | |
|----------------|-----|-------|
| Wcb-1' on cb. | 560 | 85.26 |
| Wcb. on Roll | 520 | 84.96 |
| Gut. | 650 | 84.36 |
| +05 - edge Por | 650 | 84.36 |
| +10 | 566 | 85.20 |
| +22 | 498 | 85.88 |
| +32 | 496 | 85.90 |

14914

| | | |
|---------------|-----|-------|
| Wcb-1' on cb. | 569 | 85.17 |
| Wcb. on Roll | 598 | 84.88 |

9086

Leyan + 45th

22

| | | |
|----------------|-----|-------|
| Gut. on Paving | 668 | 84.18 |
| +10 " " | 578 | 85.08 |
| +21 " " | 505 | 85.81 |
| +31 " " | 485 | 86.01 |

2+052

| | | |
|----------------|-----|-------|
| Gut-1' on cb. | 587 | 84.99 |
| cb. on Roll | 618 | 84.68 |
| Gut. on Paving | 696 | 83.90 |
| +10 " " | 606 | 84.80 |
| +21.2 " " | 527 | 85.59 |
| +31.2 " " | 506 | 85.80 |

2+19

| | | |
|---------------|-----|-------|
| Gut-1' on cb. | 608 | 84.78 |
| cb. on Roll | 635 | 84.51 |
| Gut. on Por. | 727 | 83.59 |
| +10 " " | 635 | 84.51 |
| +22.0 " " | 543 | 85.43 |
| +32 " " | 527 | 85.59 |

2+328

| | | |
|---------------|-----|-------|
| Gut-1' on cb. | 617 | 84.69 |
| cb. on Roll | 645 | 84.41 |
| Gut. | 74 | 83.4 |
| +2.8 on Por. | 746 | 83.40 |
| +12.8 " " | 645 | 84.41 |
| +23.4 " " | 556 | 85.30 |
| +34.4 " " | 572 | 85.14 |

Cont. P-23

9086

2+266

Gut - 1' on cb 6.38 84.48

cb on Roll 6.66 84.20

Gut 7.0 83.8

+6.2 on Pav 7.56 83.30

+16.2 " " 6.70 84.16

+27.5 " " 5.91 84.95 ✓

+37.3 = South edge Pav 6.21 84.65

2+60.48 = E.G. cb. Roll

Gut - 1' on cb 6.54 84.32

cb on Roll 6.81 84.05

Gut 7.40 83.46

+10.5 on N edge Pav 7.66 83.20

+20.5 " " 6.90 83.96

+31.8 " " 6.35 84.51 ✓

+34.9 " S " " 6.38 84.48

2+80

Gut - 1' on cb 6.73 84.13

N cb on Roll 7.08 83.78

Gut 7.4 83.4

+14.6 = N edge Pav 7.56 83.30

+24.6 on " 7.05 83.81

+31.8 = S edge " 6.67 84.19 ✓

3+00

Gut - 1' on cb 6.96 83.90

N cb on Roll 7.30 83.56

9086

Logan & 45th

23

Gut 7.4 83.4

+15.7 = N edge Pav 7.61 83.25

+25.7 on " 7.13 83.73

+35.2 = S edge " 6.91 83.95 ✓

3+25

Gut - 1' on cb 7.20 83.66

N cb on Roll 7.53 83.33

N Gut 7.70 83.16

+16.6 = N edge Pav 7.73 83.13

+26.6 = on " 7.45 83.41

+34.6 = S " " 7.36 83.50 ✓

3+75

Gut - 1' on cb 7.82 83.04

N cb on Roll 8.13 82.73

Gut 8.23 82.63

+17.2 = N edge Pav 8.00 82.86

+27.2 = on " 7.95 82.91

+35 = S " " 8.01 82.85

X sec Hancock St.
Walnut to Emory

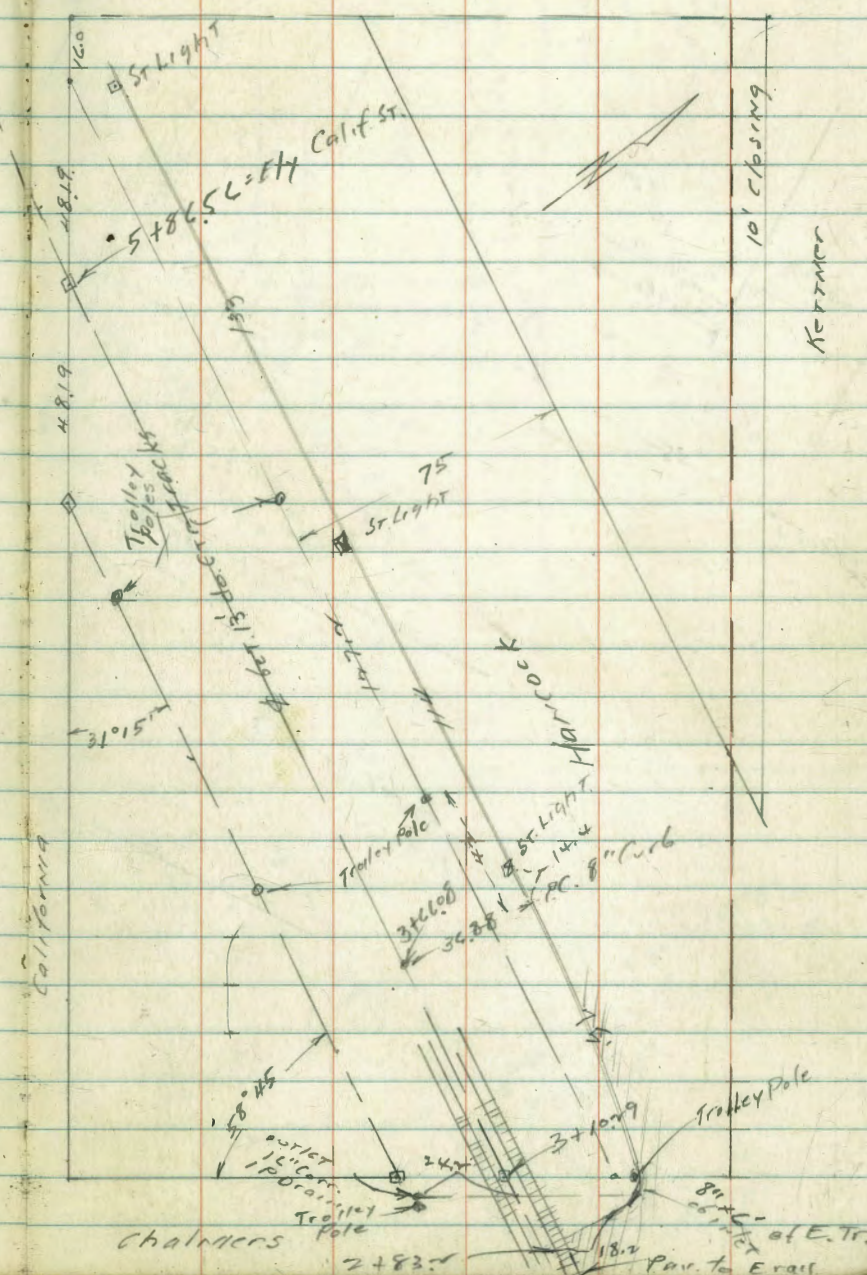
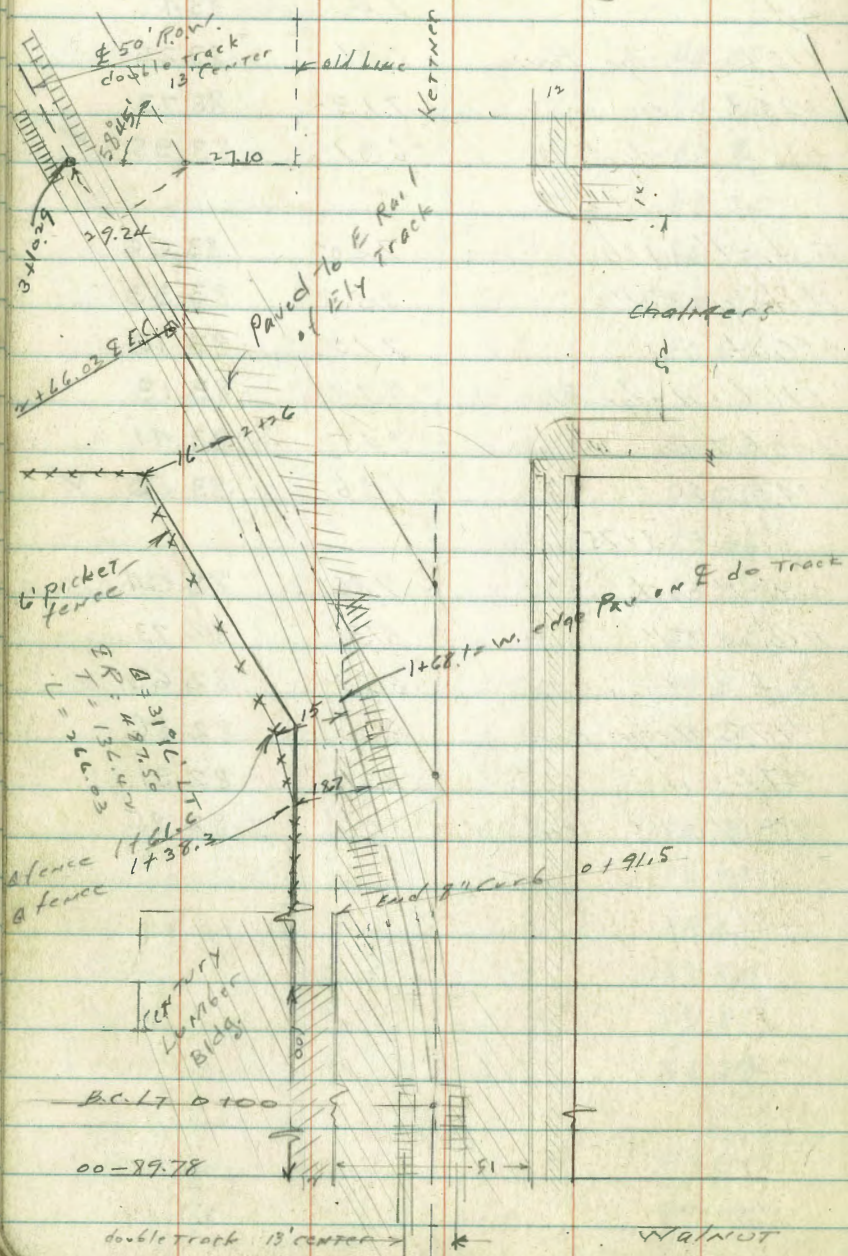
○ = CT. in Pav
□ = 2" Hubs

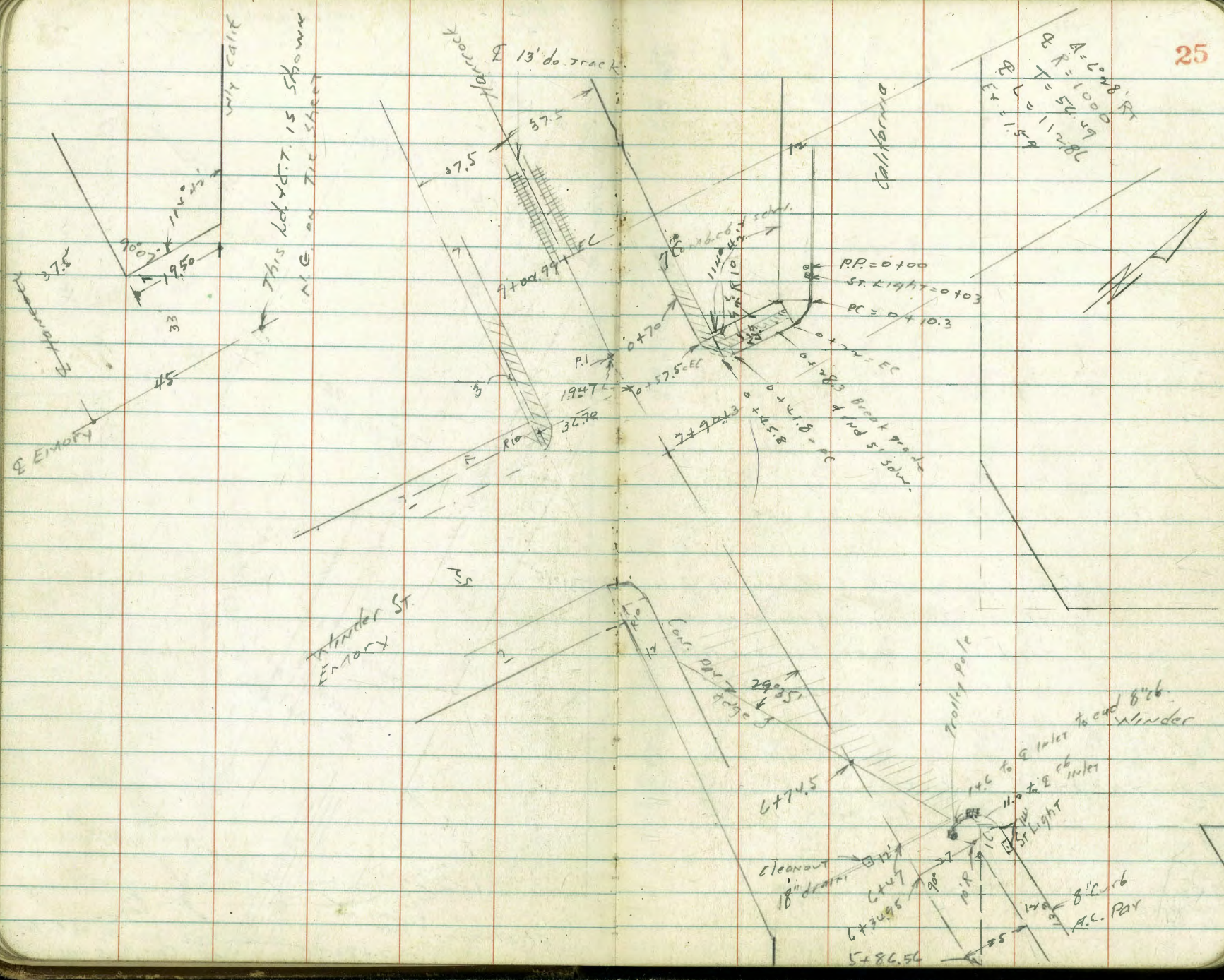
Indexed
C.S.K.

Moore
Hazard
Moore
7-6-44.

Winder

24





√ +00

\$29
9x
35

\$40
8x
25

\$48
7.5
20

\$68
5.5
18

\$748
4.83
R

\$25x
5.7x
R

\$26
4.7
R

\$760
5.71
R

\$268
5.23
R

\$8.6x
3.47
R

1+68.1

W edge pav & do Tr.

\$22
5.5
Pav

1+38.3

\$26
8.7
35

\$39
8x
30

\$50
7.3
25

\$7.9
5.0
21

\$6.77
5.5
R

\$6.83
5.8
R

\$6.6
5.5
35

\$5.98
5.39
R

\$7.00
5.31
R

\$7.53
4.78
25

0+91.5

exc & cb on W side KCT.

\$5.28
1.87
17.8
C6

\$5.07
7.2x
17.8
9T

\$6.98
6.39
R

\$6.00
6.31
R

\$6.11
6.25
R

\$6.06
6.25
R

\$6.5
6.2
R

\$6.21
6.10
25

Note! found bc to 9 characters I don't
think the pav will stand much
Tapping as SE RR I think is steel tie
and conc. const.

0+50

ST. COCS are again existing

\$4.29
8.07
23
14

\$3.74
8.57
23
9T

\$4.30
7.41
R

\$4.99
7.27
R

\$5.10
7.4
R

\$5.05
7.26
R

\$5.95
7.22
R

\$5.5
7.25
25

approx.
9T E1

D +00

BC LT (9 ROW) R = Top rail
(STA. See sketch)

\$3.04
9.27
C6

\$2.50
9.81
9T

\$3.65
8.66
1/4

\$3.72
8.59
Rail

\$3.83
8.59
Rail

\$3.81
8.50
R

\$3.81
8.50
R

\$3.82
8.49
1/4

\$3.60
8.71
9T

\$3.2x
8.0x
C6

SEBP
Chalices
KCT

2.53 5x 31 11978

5x 31

F.L.
OUTLET
16" CORR
1" PIPE

Cylinder EL. Bot
Box
Stopped up

LT

R

RT

LT of 2 ROW to 8.50

See sketch

IN DIRECTION
8.7
36

Sec. at 90° with 2 ROW

3 + 10.29 = 1/2 2 ROW + NLY chalmers

| | | | | | | | | | |
|-----|------|------|------|------|------|-----|------|------|-------|
| 463 | 4709 | 4713 | 4720 | 4721 | 4718 | 479 | 4880 | 4850 | 50.28 |
| 60 | 5.2 | 5.18 | 5.3 | 5.10 | 5.13 | 5.4 | 3.5 | 4.0 | 2.03 |
| 25 | R | R | R | R | R | 25 | 33 | 33 | 37 |

7 + 93

| | | |
|-------|-------|-------|
| 48.59 | 48.01 | 49.05 |
| 3.7 | 4.3 | 2.7 |
| 31 | 31 | 32 |
| 26 | 25 | 26 |

2 + 83.7 = opposite EX. C6 RET. on RT

| | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|-------|------|
| 455 | 4734 | 4732 | 4722 | 4745 | 4745 | 4723 | 4768 | 4808 | 4724 | 49.92 | 4842 |
| 68 | 4.97 | 4.99 | 4.7 | 4.8 | 4.8 | 5.08 | 4.2 | 4.2 | 4.2 | 4.2 | 4.09 |
| 25 | R | R | R | R | R | 18 | 18 | 18 | 18 | 18 | 18 |

2 + 66.03 EC.

| | | | | | | |
|-----|------|------|------|------|------|------|
| 457 | 4744 | 4743 | 4744 | 4755 | 4757 | 4741 |
| 66 | 4.87 | 4.88 | 4.9 | 4.76 | 4.74 | 4.90 |
| 25 | R | R | R | R | R | 25 |

2 + 50

| | | | | | | |
|-----|------|------|------|------|------|------|
| 463 | 4762 | 4754 | 4744 | 4763 | 4765 | 4862 |
| 60 | 4.79 | 4.77 | 4.7 | 4.68 | 4.66 | 4.29 |
| 25 | R | R | R | R | R | 25 |

2 + 26

| | | | | | | | |
|-----|------|------|------|------|------|------|------|
| 457 | 4760 | 4766 | 4766 | 4777 | 4777 | 4780 | 4768 |
| 66 | 4.7 | 4.7 | 4.7 | 4.56 | 4.51 | 4.51 | 4.51 |
| 35 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |

52 31

CONFERENCE

52 31

AND PART

5 + 86.56 / n.z. E Row 4 Ely, Col. 6

+ 50

5

+ 50

1 + 00

T.P. 7.98 119.18 6.11 41.70

3 + 66.08

52.31

5.27 5.27 5.27 4.80 4.81 4.9 3.2 3.0 2.83 3.4 2.4 1.73

5.5 5.0 4.8 4.8 4.37 4.40 4.5 3.1 2.31 2.90 1.56

5.9 5.5 4.5 4.5 3.7 3.7 3.8 2.5 1.6 1.47 1.15 0.48

5.7 5.0 4.5 4.5 3.31 3.30 3.1 1.4 0.91 0.48 0.45 1.03

5.2 5.2 4.3 4.3 2.83 2.83 2.7 1.7 1.0 0.59 1.0

4.3 4.9 4.62 4.63 4.2 4.65 4.65 4.8 4.8 4.70 4.09 4.09 5.14 0.83

52.31

T.P. 844 4978 784 11.34 Ld SCT R.P.P.T. NWly. Cor. Emory & Hancock

7+59

| | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|
| A171 | A178 | A179 | A210 | A214 | A225 | A236 | A237 | A238 | A277 | A283 |
| 2.47 | 8.00 | 7.39 | 2.93 | 2.04 | 1.93 | 6.84 | 6.81 | 6.00 | 5.41 | 4.65 |
| 35.3 | 95 | 25 | R | R | | R | R | 24 | 40 | 55 |

7+29

| | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|
| A191 | A195 | A203 | A252 | A253 | A259 | A273 | A275 | A272 | A282 | A508 |
| 2.27 | 2.7 | 7.15 | 6.6 | 6.65 | 6.55 | 6.45 | 6.43 | 5.46 | 4.92 | 4.10 |
| 39.4 | 39.4 | 25 | R | R | | R | R | 24 | 40 | 55 |

6+745 Sec. at 90°

| | | | | | | | | | | | |
|------|-----|-----|------|------|------|------|------|------|------|------|------|
| A224 | A19 | A28 | A288 | A287 | A290 | A315 | A315 | A318 | A374 | A543 | A525 |
| 1.84 | 7.3 | 6.4 | 6.3 | 6.3 | 6.3 | 6.03 | 6.03 | 5.10 | 6.44 | 3.75 | 2.93 |
| 66 | 44 | 25 | R | R | R | R | R | 24 | 37 | 14 | 2 |

L+745 Int. of ROW & diag. pav. edge Sec. on diag. See sketch

| | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|
| A191 | A19 | A192 | A250 | A270 | A278 | A304 | A325 | A339 | A415 | A496 |
| 7.77 | 7.99 | 7.26 | 6.68 | 6.48 | 6.40 | 6.4 | 5.93 | 5.79 | 5.03 | 4.44 |
| 66 | 76 | 56 | 34 | | R | R | R | R | 38.5 | 26.4 |

L+47 2' of 15' cb inlet on Rt See sketch

| | | | | |
|------|------|------|-------|--------|
| A208 | A324 | A573 | A431 | A477 |
| 8.60 | 5.94 | 4.05 | 4.87 | 7.41 |
| | | 66 | grate | FL Box |

L+34.95 opp. 10' C6 R on Rt

| | | | | | | | | | | | | | |
|-----|-----|-----|------|------|-----|------|------|-----|-----|------|-----|------|------|
| A26 | A29 | A37 | A334 | A348 | A35 | A374 | A376 | A40 | A55 | A552 | A49 | A577 | A569 |
| 6.6 | 6.3 | 5.5 | 5.84 | 5.80 | 5.7 | 5.44 | 5.44 | 5.4 | 3.7 | 3.66 | 4.3 | 3.21 | 2.55 |
| 35 | 25 | 17 | R | R | | R | R | R | 13 | 25 | 37 | 97 | 14 |

4918

4918

Hancock 1561

Lr

±

Rt

30

Next P for NE Rot

9+27.99 - EC

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 39.95 | 39.48 | 39.98 | 40.09 | 40.08 | 40.20 | 40.35 | 40.37 | 40.52 | 40.39 | 41.09 |
| 9.83 | 10.30 | 9.80 | 9.69 | 9.70 | 9.58 | 9.43 | 9.41 | 9.20 | 9.39 | 8.69 |
| wcb | 9T | 1/2 | R | R | | R | R | 1/2 | | 9E.6 |

8+46.56 CID Curve

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 41.02 | 40.44 | 40.88 | 40.90 | 40.92 | 41.00 | 41.20 | 41.15 | 41.90 | 41.08 | 41.87 |
| 8.76 | 9.34 | 8.90 | 8.88 | 8.86 | 8.72 | 8.58 | 8.63 | 8.48 | 8.70 | 7.91 |
| ECL | w9T | w1 | R | R | | R | R | E'1/4 | E.97 | E.66 |

7+40.13 - BCRT

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 41.44 | 41.68 | 41.70 | 41.71 | 41.83 | 41.96 | 41.94 | 42.74 | 42.22 | 42.90 |
| 8.34 | 8.10 | 8.08 | 8.07 | 7.85 | 7.82 | 7.84 | 7.04 | 9.50 | 6.38 |
| Y3 | 25 | R | R | | R | R | 25 | 33 | 50 |

49.78

49.78

NELX Ret on Hancock & Endway ^{See} Sketch

49.78

| | | |
|----|------|-------|
| cb | 5.22 | 44.36 |
| 9T | 5.81 | 43.97 |

0103

| | | |
|----|------|-------|
| cb | 5.26 | 44.52 |
| 9T | 5.86 | 43.92 |

0112.3 PC Ret

| | | |
|----|------|-------|
| cb | 5.32 | 44.44 |
| 9T | 5.97 | 43.81 |

0122.2 E.C. Ret

| | | |
|----|------|-------|
| cb | 5.56 | 44.22 |
| 9T | 6.25 | 43.53 |

0128.3 Break grade - only Calc.

| | | |
|----|------|-------|
| cb | 5.65 | 44.13 |
| 9T | 6.46 | 43.32 |

0141.8 PC Ret

| | | |
|----|------|-------|
| cb | 7.00 | 42.78 |
| 9T | 7.60 | 42.18 |

0145.8

| | | |
|----|------|-------|
| cb | 7.16 | 42.62 |
| 9T | 7.78 | 42.00 |

0157.5 EC Ret

| | | |
|----|------|-------|
| cb | 7.73 | 42.05 |
| 9T | 8.30 | 41.48 |

| | | |
|------|------|-------|
| 0+70 | 7.88 | 41.90 |
| cb | 8.62 | 41.14 |

T.P. 12.52 1204 0.26 49.52

T.P. 6.22 ~~67.98~~ 0.28 64.76

check to BEPP

Ret and study 3.02 ~~64.94~~ 64.95

Ret. Levels to Orig. B.M.

| | | |
|-----|------------------|------------------|
| 106 | 66.00 | 64.94 |
| | 65.80 | 64.74 |

T.P. 0.31 ~~55.97~~ 10.34 ~~55.66~~

check to Orig. B.M. 6.19 ~~49.78~~ 49.58

T.P. to Levels on Chalmers

55.97

T.P. 3.50 48.07 11.40 44.57

x sec Chalmers
Calif. to Kottner

90' wide
14 c6s
13 1/4s
indexed
C.S.K.

4807

32

Note: 4807 T P 31

N.W. Sta

0+0 = city Cal.

| | | |
|------|------|------|
| S | 12.1 | 36.0 |
| c6 | 11.6 | 36.5 |
| 1/2 | 11.0 | 37.1 |
| c | 10.7 | 37.4 |
| 1/2 | 10.0 | 38.1 |
| +1 | 11.6 | 36.5 |
| +8 | 8.8 | 39.3 |
| c6 | 9.1 | 39.0 |
| 1/4 | 8.3 | 39.8 |
| 0+50 | | |
| 1/4 | 4.0 | 44.1 |
| c6 | 4.0 | 44.1 |
| +3 | 5.1 | 43.0 |
| +5 | 8.5 | 39.6 |
| +8 | 8.2 | 39.9 |
| +10 | 7.1 | 41.0 |
| 1/2 | 7.0 | 41.1 |
| c | 7.6 | 40.5 |
| 1/4 | 8.2 | 39.9 |
| c6 | 8.5 | 39.6 |
| S | 9.2 | 38.9 |

1+14.4 sec. at 90°

| | | |
|-----|-----|------|
| S | 4.0 | 44.1 |
| c6 | 4.0 | 43.7 |
| 1/4 | 4.0 | 43.7 |
| c | 4.0 | 44.1 |
| 1/4 | 3.7 | 44.4 |
| +3 | 3.1 | 44.5 |
| 1/2 | 5.3 | 42.8 |
| +10 | 4.5 | 43.6 |
| c6 | 2.4 | 45.7 |
| 1/4 | 2.6 | 45.5 |

1+14.4 on diag leg you 1/4 1/2 stops.

| | | |
|-------|-----|------|
| 16.37 | 2.6 | 45.5 |
| c6 | 1.6 | 46.5 |
| +5 | 5.2 | 42.9 |
| +8 | 2.5 | 45.6 |
| +10 | 2.5 | 45.6 |
| 1/4 | 2.5 | 45.6 |
| c | 2.6 | 45.5 |
| 1/4 | 2.2 | 45.9 |
| c6 | 1.3 | 46.8 |
| S | 1.5 | 46.6 |

93.58 dia 9
for 80' Street.

Survey with LOTS 4-5-6 BIK 10

Gardner's Add.

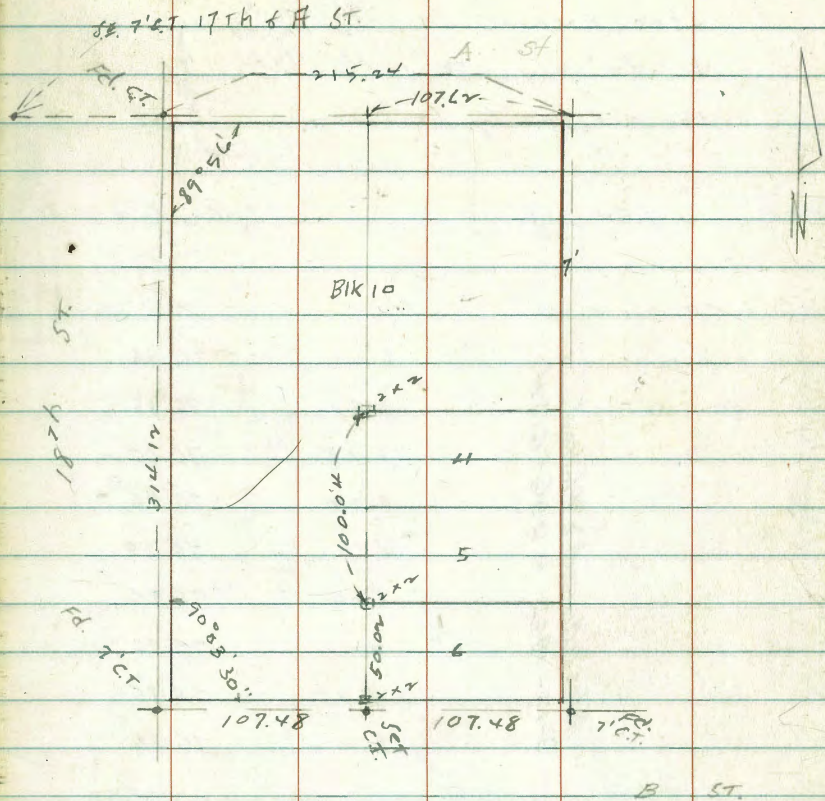
Set 2x2 Hubs

C. Moore
W. Moore
M. Fox

9-10-47

Indexed
e. S. K.

33



Indexed
c.s.k.

Moore
9-10-47

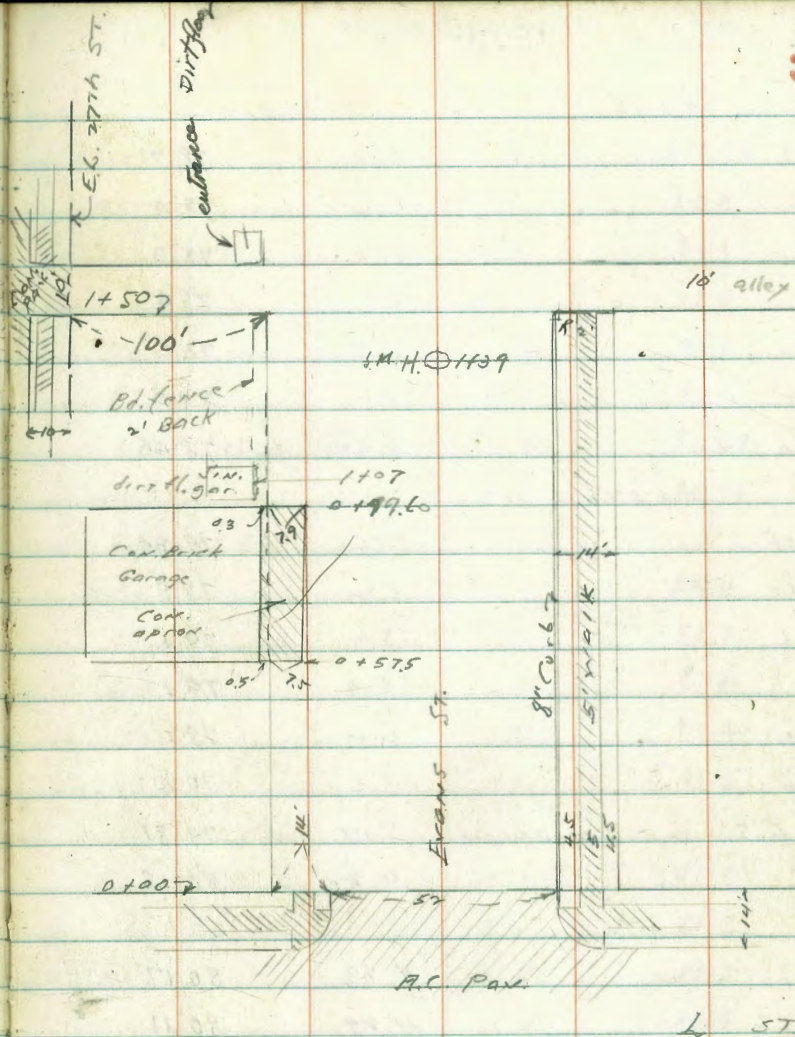
X sec EVANS ST. 80 wide
1st curbs 13 1/4
L ST N/ly 150
For oil pav by ST DEPT.

NEBP 7.5x 8500 77.46 L 22775

0-14

| | | |
|---------------|------|-------|
| W/L Top cb | 8.00 | 76.94 |
| W 3T Pav | 8.87 | 76.13 |
| W/CB " | 8.98 | 76.02 |
| 1/4 " | 8.74 | 76.26 |
| " " | 8.61 | 76.39 |
| 1/4 " | 8.80 | 76.20 |
| E cb " | 9.23 | 75.77 |
| E 9T " | 9.15 | 75.85 |
| E Top cb | 8.42 | 76.58 |
| 0+00 N/L L ST | | |
| E Top cb | 8.52 | 76.48 |
| 9T pav | 8.92 | 76.08 |
| 1/4 " | 8.49 | 76.51 |
| " " | 8.27 | 76.73 |
| 1/4 " | 8.44 | 76.56 |
| 9T " | 8.87 | 76.13 |
| W Top cb | 8.08 | 76.92 |
| W/L " | 7.9 | 77.1 |

Notes reduced & plotted
9-12-1942 # 296 G.O.H.



85.00

0 + 40

| | | | |
|----------|----------------|------|-------|
| w.k. | | 6.3 | 78.7 |
| cb | | 6.6 | 78.4 |
| 1/4 | | 6.8 | 78.2 |
| c | | 6.6 | 78.4 |
| 1/4 | | 6.5 | 78.5 |
| gt | | 7.0 | 78.0 |
| F cb Top | | 6.54 | 78.46 |
| | 0 + 57.5 | | |
| F cb | | 5.66 | 79.34 |
| gt | | 6.2 | 78.8 |
| 1/4 | | 5.9 | 79.1 |
| c | | 5.9 | 79.1 |
| 1/4 | | 6.0 | 79.0 |
| cb | | 5.6 | 79.4 |
| + 6.5 | Top Conv apron | 5.17 | 79.81 |
| w.k. | " " " | 4.82 | 80.18 |
| | 0 + 74 | | |
| w.k. | Top | 4.83 | 80.17 |
| + 77 | " " | 4.89 | 80.11 |
| cb | | 5.2 | 79.8 |
| 1/4 | | 5.2 | 79.8 |
| c | | 5.2 | 79.8 |
| 1/4 | | 5.4 | 79.6 |
| gt | | 5.4 | 79.6 |
| F cb Top | | 4.87 | 80.13 |

85.00

0 + 99.6

| | | | |
|-------------|-------------------|-------|---------------------------|
| Top F cb | | 3.62 | 81.38 |
| gt | | 4.2 | 80.8 |
| 1/4 | | 3.9 | 81.1 |
| c | | 3.6 | 81.5 |
| 1/4 | | 3.8 | 81.2 |
| cb | | 4.4 | 80.6 |
| + 6.1 | Top CON. apron | 4.93 | 80.07 |
| w.k. | " " | 4.80 | 80.14 |
| | 1 + 02 | | |
| w.k. | | 2.6 | 82.4 |
| cb | | 3.3 | 81.7 |
| + 3 | | 3.6 | 81.4 |
| 1/4 | | 3.6 | 81.4 |
| c | | 3.4 | 81.6 |
| | 1 + 07 | | |
| c | | 3.1 | 81.9 |
| w 1/4 | | 3.2 | 81.8 |
| cb | | 2.8 | 82.2 |
| w.k. | | 2.6 | 82.4 |
| + 1 | to Sun. 900 | 2.6 | 82.4 ^{dot floor} |
| T.P. | 5.24 | 89.51 | 0.93 |
| | | | 84.07 |
| | 1 + 39 | | |
| c | S.M.H. R.M. | 5.40 | 84.11 |

35

89.51

175a S. L. alley

| | | |
|----------------------------|------|-------|
| wk | 5.0 | 84.5 |
| c6 | 5.5 | 84.0 |
| 1/4 | 5.1 | 84.4 |
| c | 5.1 | 84.4 |
| 1/4 | 5.1 | 84.4 |
| 97 | 5.7 | 83.8 |
| E c6 Top | 5.66 | 83.85 |
| E L. " " end alley Reverse | 5.40 | 84.11 |
| 176a N. L. alley | | |
| E | 4.0 | 85.5 |
| c6 | 4.3 | 85.2 |
| 1/4 | 4.3 | 85.2 |
| c | 5.2 | 84.3 |
| 1/4 | 5.1 | 84.4 |
| c6 | 5.1 | 84.4 |
| w | 4.9 | 84.6 |

Levels on 12' alley

E of EVANS ST

T.P. 3.57 89.04 4.04 85.47

89.04

E. L. EVANS ST - 0+00

| | | |
|-------|--------------------|---------------|
| 0+25 | | |
| S | 4.2 | 84.6 |
| N | 4.2 | 84.8 |
| +6 | E Sew. gar. | 3.9 85.1 dirt |
| | 0+49 | |
| N - C | W end 3' Gen. walk | 4.30 84.74 |
| N | | 4.7 84.3 |
| S | | 5.0 84.0 |
| 0+77 | | |
| S | | 5.2 83.4 |
| N | | 5.1 83.9 |
| +6 | E end walk | 4.85 84.19 |
| 0+94 | | |
| N | | 6.2 82.8 |
| S | | 6.7 82.3 |
| +1 | E Cem. approach | 7.40 81.64 |
| +6 | E Sew. Gar. Cem. | 7.24 81.80 |

1+17

S 8.3 80.7

N 7.5 81.5

+8 E da. gar. Cem. door sill. 7.01 82.03

T.P. 5.50 90.97 3.57 85.47

OVER

36

Reduced & Plotted on #2445
D-14-42 F.B.M.

90.97

Levels 10' alley
bet. Evans & 77th

P10 = EL 77th

| | | | |
|---|----------|------|-------|
| S | TOP RET. | 3.21 | 87.76 |
| S | PAV | 3.24 | 87.73 |
| C | " | 3.18 | 87.79 |
| N | " | 2.78 | 88.19 |
| N | TOP RET. | 2.52 | 88.45 |

P150

| | | | |
|---|-----------|------|-------|
| N | | 4.8 | 86.2 |
| S | CON. WALK | 5.00 | 85.97 |

1400 = W. L. EVANS ST.

| | | | | |
|------|------|-------|------|-------|
| T.P. | 0.51 | 88.93 | 2.55 | 88.42 |
|------|------|-------|------|-------|

| | | | |
|---------------------|-------|-------|-------|
| check to orig. B.M. | 11.47 | 77.46 | 77.46 |
|---------------------|-------|-------|-------|

Levels in alley BIR 13 NW Hensley
CORNER FORM P. 36

| | | | | |
|------|------|--------------|-------|-----------------------|
| 1412 | 2.14 | <u>84.67</u> | 82.03 | Elev. door sill P. 36 |
|------|------|--------------|-------|-----------------------|

1430

| | | | |
|---|--|-----|------|
| N | | 4.3 | 80.4 |
| C | | 4.2 | 80.5 |

84.67

37

| | | | |
|-----|--|-----|------|
| S | | 4.8 | 79.9 |
| +10 | | 5.6 | 79.1 |

1465

| | | | |
|-----|--|-----|------|
| -10 | | 5.8 | 78.9 |
| S | | 5.5 | 79.2 |
| C | | 5.3 | 79.4 |
| N | | 5.1 | 79.6 |

2400 W. L. Hensley ST

| | | | |
|---|-------------------|------|-------|
| N | | 6.0 | 78.7 |
| C | | 6.1 | 78.6 |
| S | | 6.1 | 78.6 |
| S | TOP CB ALLEY RET. | 6.08 | 78.59 |

2414 W. CB Line Hensley ST

| | | | |
|---|-------------------|------|-------|
| S | TOP CB | 6.26 | 78.41 |
| S | PAV. EDGE IN GUT. | 6.75 | 77.92 |
| C | | 6.4 | 78.3 |
| N | | 6.2 | 78.5 |

Indexed
c.s.k.

No. 10
Fox
9-11-42

X sec 30th St. = 60' wide
10' curbs
E to Market St

NOTE! STA on E of 30th

| | | | | |
|-------------------|-----|--------|--------|--------|
| SEBR | 117 | 118.11 | 116.99 | 30th F |
| T.P. Chisel Cross | 261 | 116.22 | 10.48 | 157.63 |

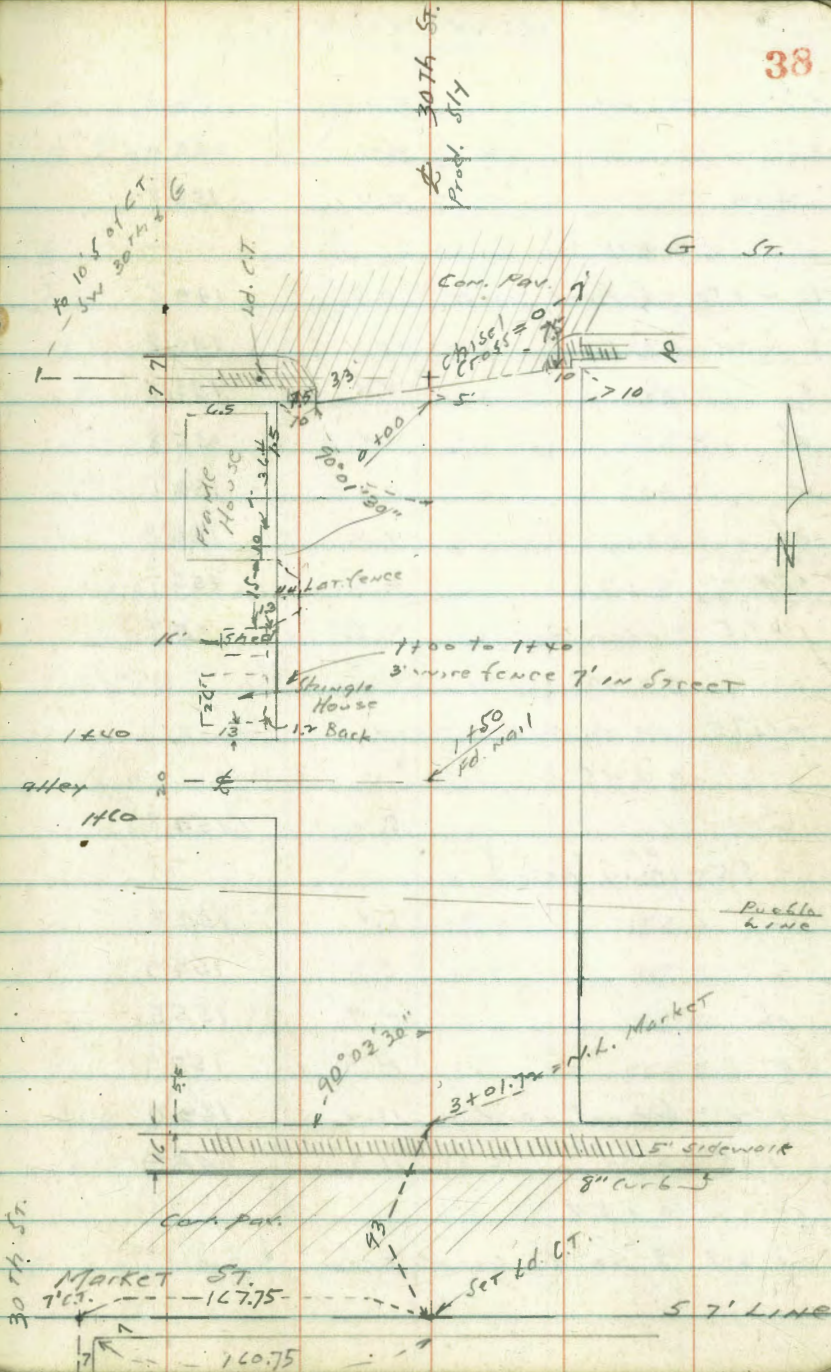
0+00 on West to 00-10 on E.H. Diag.

| | | |
|-----------------------|------|--------|
| W + 25 Cor. SW RETURN | 3.16 | 157.08 |
| W cb TOP | 3.36 | 156.88 |
| ST Pav | 3.72 | 156.50 |
| 1/4 " | 3.85 | 157.19 |
| C " | 2.64 | 157.60 |
| 1/4 " | 2.60 | 157.64 |
| ST " | 2.92 | 157.32 |
| E cb TOP | 2.23 | 158.01 |
| + 7.5 Cor SE RETURN | 1.73 | 158.51 |

0+00 - 56 G ST. to WEST

| | | |
|--------------|-----|-------|
| E | 3.1 | 156.6 |
| cb | 3.4 | 156.8 |
| C | 3.2 | 157.0 |
| cb on ground | 3.7 | 156.5 |
| W " " | 3.7 | 156.5 |
| 0+09 | | |
| W | 4.4 | 155.8 |
| cb | 4.1 | 156.1 |
| C | 3.8 | 156.4 |

Revised & Platted on Profile
#1592 - 9-18-1942 C.B.H.



160.24

| | | | |
|---------|-------------------------|------|-------|
| C + 21 | Tel. pole ↓ | 4.0 | 156.2 |
| E | | 4.7 | 156.0 |
| + 10 | | 4.4 | 155.8 |
| | 0 + 11 | | |
| E - 15 | School yard | 10.0 | 149.6 |
| E - 2 | " " | 10.4 | 149.8 |
| E | | 4.4 | 155.8 |
| cb | | 4.4 | 155.8 |
| c | | 4.1 | 156.1 |
| cb | | 4.4 | 155.8 |
| W | | 4.5 | 155.7 |
| + 1.5 | Edge house | 4.5 | 155.7 |
| | 0 + 32 ↓ | | |
| W + 7.5 | 14" di. Pepper Tree | | |
| | 0 + 45 | | |
| W | | 5.4 | 154.8 |
| + 8.5 | P.P. Guy pole ↓ | | |
| cb | | 5.4 | 154.8 |
| c | | 5.3 | 154.9 |
| cb | | 4.7 | 155.5 |
| E | | 4.5 | 155.7 |
| + 2 | School yard | 11.2 | 149.0 |
| + 15 | " " | 11.3 | 148.9 |
| | 0 + 57 | | |
| W + 8 | 9 20" di. Eucal. Tree ↓ | | |

160.44

39

| | | | |
|---------|-----------------------|------|-------|
| | 0 + 65 ↓ | | |
| E + 9 | 16" Eucal. Tree | | |
| | 0 + 75 | | |
| E - 15 | School yard | 12.4 | 147.8 |
| E - 2 | " " | 11.9 | 148.3 |
| E | | 4.2 | 156.0 |
| cb | | 4.5 | 155.7 |
| c | | 5.4 | 154.8 |
| cb | | 6.0 | 154.2 |
| W | | 6.0 | 154.2 |
| + 1.3 | shed | 6.0 | 154.2 |
| | 0 + 88 | | |
| W + 6.4 | 14" di. Pepper Tree ↓ | | |
| | 0 + 90 | | |
| E + 9 | 15" Eucal. Tree ↓ | | |
| | 1400 | | |
| W | | 6.0 | 154.2 |
| cb | | 5.5 | 154.7 |
| c | | 4.6 | 155.6 |
| cb | | 3.7 | 156.5 |
| E | | 3.4 | 156.8 |
| + 3 | School yard | 12.7 | 147.5 |
| + 15 | " " | 13.2 | 147.0 |
| | 1 + 22 ↓ | | |
| E + 9 | 30" di. Eucal. Tree | | |

used as
garage
dirt floor

160.24

| | | | |
|--------|-------------|------|-------|
| 1+75 | | | |
| E + 9 | Tch. pole ✓ | | |
| 1+40 | = NL alley | | |
| E - 15 | School yard | 13.8 | 146.5 |
| E - 4 | | 13.4 | 146.8 |
| E | | 2.2 | 158.0 |
| cb | | 2.1 | 158.1 |
| C | | 2.7 | 157.5 |
| cb | | 3.8 | 156.4 |
| W | | 3.9 | 156.3 |

1+41.5

| | | | |
|---------|-------------|--|--|
| W + 16 | P. Pole ✓ | | |
| 1+59 | | | |
| W + 9 | Tch. Pole ✓ | | |
| E + 214 | " " ✓ | | |
| 1+60 | | | |

| | | | |
|-----|-------------|------|-------|
| W | | 7.3 | 157.9 |
| cb | | 2.0 | 158.2 |
| C | | 1.9 | 158.3 |
| cb | | 1.4 | 158.8 |
| E | | 1.4 | 158.8 |
| +4 | School yard | 14.3 | 145.9 |
| +20 | " " | 14.7 | 145.5 |

1+66

| | | | |
|--------|-------------|------|-------|
| E - 20 | School yard | 14.8 | 145.4 |
| E - 4 | " " | 14.3 | 145.9 |

160.24

40

| | | | |
|------|------|--------|--------------|
| E | | 1.4 | 158.8 |
| cb | | 1.4 | 158.8 |
| C | | 2.1 | 158.1 |
| +13 | | 2.0 | 158.2 |
| cb | | 10.6 | 149.6 |
| W | | 12.4 | 147.8 |
| T.P. | 0.17 | 148.34 | 12.07 148.17 |

1+69

| | | | |
|-----|-------------|-----|-------|
| W | | 0.2 | 148.1 |
| cb | | 0.1 | 148.2 |
| C | | 1.0 | 147.3 |
| cb | | 7.3 | 146.0 |
| E | | 2.3 | 146.0 |
| +20 | School yard | 2.8 | 145.5 |

2+10

| | | | |
|--------|----------|-----|-------|
| E - 20 | School " | 3.6 | 144.7 |
| E | | 3.4 | 144.9 |
| cb | | 2.5 | 144.8 |
| C | | 3.0 | 145.3 |
| cb | | 2.4 | 145.9 |
| W | | 1.9 | 146.4 |
| +20 | | 1.4 | 146.9 |

1+60

| | | | |
|--------|--|-----|-------|
| W - 20 | | 2.5 | 145.8 |
|--------|--|-----|-------|

2460

1483X

| | | |
|-----|-----|-------|
| W | 2.9 | 145.4 |
| cb | 3.1 | 145.2 |
| C | 4.0 | 144.3 |
| cb | 4.0 | 144.3 |
| E | 4.2 | 144.1 |
| +70 | 4.7 | 143.6 |

2297

| | | |
|-----|-----|-------|
| -70 | 5.8 | 142.5 |
| E | 5.3 | 143.0 |
| cb | 5.1 | 143.2 |
| C | 4.5 | 143.8 |
| cb | 4.6 | 143.7 |
| W | 4.7 | 143.6 |
| +70 | 4.6 | 143.7 |

3401.7X = NL Market ST

| | | |
|---|------|-------|
| W | 10.0 | 138.3 |
| C | 11.5 | 136.8 |
| E | 13.1 | 135.2 |

3417.7X = N cb Market

| | | | |
|---|----------|-------|--------|
| E | TOP C-cb | 12.34 | 135.00 |
| C | " " | 11.76 | 136.58 |
| W | " " | 10.25 | 138.09 |

3417.7X = N gutter Market

| | | | |
|---|-----|-------|--------|
| W | POV | 10.89 | 137.45 |
| C | " | 12.42 | 135.92 |
| E | " | 14.24 | 134.30 |

41

1483X

| | | | | |
|-----------------|------|--------|-------|--------|
| T.P. | 1.31 | 136.82 | 12.83 | 135.51 |
| T.P. | 0.22 | 124.23 | 12.83 | 122.99 |
| T.P. | 0.18 | 111.47 | 12.94 | 111.29 |
| Conv. SW Market | | 31.57 | 8.82 | 102.65 |
| B.P. OUT | | | | 102.64 |

1.73

148.34
45.69
E = 102.65

47.42
1.73
45.69

0.01

| On or Before | | Purpose |
|--------------|------|---|
| Quantity | Unit | ARTICLE Give Full Description, Size, Catalog Num |
| | | |
| | | |
| | | |
| | | |
| | | |

C. Moore
W. "
M. Fox
9-15-49.

Indexed
C.S.K.

K sec alley BIK 4x Chas. Hensley Sub-

SEAP 8.60 78.57 69.97 2674 L

2-10

S Pav 5.29 73.28

C " 4.90 73.67

N " 4.20 74.37

210 E.L. 2674 St.

N cb 3.43 75.14

N pav 3.85 74.72

C " 4.59 73.98

S " 4.65 73.92

S cb Beg. Granite Bk.
NOT ON LINE 4.57 74.00

0 ± 0.25

S 4.4 74.2

C 4.4 74.2

+7 4.0 74.6

N 3.1 75.5

+0.7 Sw Car House

0 ± 0.29

N 7.5 76.1

+0.6 P.P. ✓

+5 3.3 75.3

C 3.4 75.2

+7 3.6 75.0

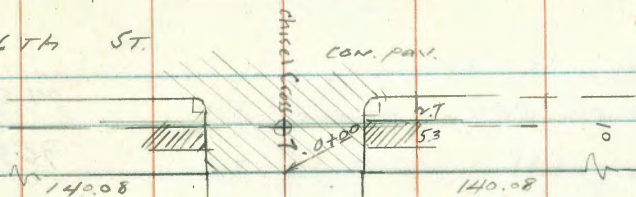
+9.9 Gran Bk wall 3.1 75.5

Reduced & Plotted Profile # 2485
9-16-42 C.B.H.

Con. Bk.
Pico Id.

42

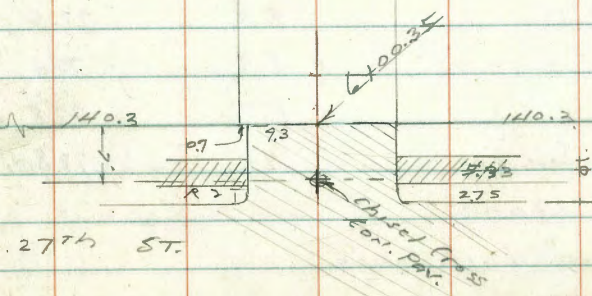
26TH ST.



Y
ST

K
ST

Here! offsets to
Back-edge P.P.



27TH ST.

78.57

| | | | | |
|-------|--|--------------|-------|--------|
| | 0+43 | | | |
| N-03 | SE Car house | 1.50 | 77.01 | |
| N | | 2.1 | 76.5 | ground |
| | 0+60 | | | |
| S+0.3 | end wall | 1.53 | 77.04 | Top |
| +0.3 | | 1.8 | 76.8 | |
| C | | 2.2 | 76.4 | |
| +4 | | 2.0 | 76.6 | |
| N | | 0.0 | 78.6 | |
| T.P. | 8.75 | <u>86.27</u> | 1.05 | 77.57 |
| | 0+65 | | | |
| S+0.5 | beg. wire fence ✓ with 2' con. walk | 9.18 | 77.09 | |
| | 0+72 | | | |
| S+0.6 | P.P. pole | | | |
| | 0+80 | | | |
| S+0.3 | End wire fence | | | |
| | 0+94 | | | |
| N | | 6.9 | 79.4 | |
| +7 | | 8.7 | 77.6 | |
| C | | 8.9 | 77.4 | |
| S | | 8.5 | 77.8 | |
| +22 | SIN. GAR | 8.5 | 77.8 | diert |
| | 1+00 | | | |
| S-0.2 | beg. Lath fence | | | |

86.27

43

| | | | | |
|-------|-------------------|-----|--|------------|
| | 1+37 | | | |
| S | | 6.2 | | 80.1 |
| C | | 6.9 | | 79.4 |
| +5 | | 6.9 | | 79.4 |
| N | | 5.7 | | 80.6 |
| +26.8 | da. gar | 1.6 | | 84.7 diert |
| | 1+39 | | | |
| S+0.1 | end lath fence | | | |
| | 1+48 | | | |
| S-2 | da. gar. | 6.1 | | 80.2 diert |
| | 1+49 | | | |
| N+0.5 | P.P. ✓ | | | |
| | 1+63 | | | |
| S-0.1 | E SIN. GAR | 5.0 | | 81.3 diert |
| | 1+69 | | | |
| S-0.1 | beg. Bd. fence | | | |
| | 2+00 | | | |
| N | | 3.3 | | 83.0 |
| +19 | beg. picket fence | 3.8 | | 82.5 |
| C | | 4.2 | | 82.1 |
| S | | 4.0 | | 82.3 |
| | 2+01 | | | |
| S+0.1 | P.P. | | | |
| | 2+02 | | | |
| S-0.3 | End Bd. fence | | | |

86.27

2+22.5
 S - 0.2 NW Con Shed
 S 3.5 828
 C 3.5 828
 +5 3.4 829
 +9 fence
 N 2.3 840

T-P 610 89.32 3.05 83.22

2+50
 N 4.3 850
 +0.9 fence of Tel A 4.5 848
 +X 5.9 834
 C 6.2 831
 S NE Con Rd Shed 6.1 832

2+50.5
 N +0.9 end Picket fence
 2+60
 S - 4.6 Sen gar. 5.7 83.6 diot

2+68
 S +0.1 Beg. ed. fence
 2+72
 E S.M.H. 5.85 83.47 P.M.

2+99.5
 S - 4.1 NW Con ^{CON.} _{OPEN} _{FLOOR} 5.72 83.60

89.32

44

S +0.2 end Bd fence 5.5 83.8
 S +0.5 P.P.
 C 5.5 83.8
 +5 5.4 83.9
 +9.8 Beg. lark fence 4.2 85.1
 N 4.2 85.1

3+10.5
 N +0.2 end lark fence

3+17
 N - 6.4 w. 3 car gar. 3.45 85.87
 Con. floor

3+19.5 = Break in Elev. of Open. Sen. fl.
 S - 4.1 ^{CON.} Fl. fl. to West 5.70 83.62
 " " " " East 5.37 83.95

3+44
 N - 6.4 E.L. 3 car gar. 3.40 85.92
 Con. fl.

N 4.1 85.2
 +5 4.6 84.7
 C 4.8 84.5
 S 5.1 84.2

3+45
 N +0.5 Beg. lark fence
 3+49.5

N +0.5 end lark fence
 S - 3.5 NE Con. open 5.45 83.87
 Con. floor

3+90
 N - 4.2 Sen gar. 3.4 85.9 diot

89.32

| | | | |
|---|------------------------------------|------|------------|
| | 3+99 | | |
| S | | 4.3 | 850 |
| | +0.9 P.P. | | |
| C | | 4.3 | 850 |
| | +6 | 4.1 | 852 |
| | +9 Tol. P. | 3.4 | 859 |
| N | | 3.3 | 860 |
| | 4+12 | | |
| N | -2.2 E do. gar. | 3.2 | 86.1/10 |
| | 4+50 | | |
| N | | 3.0 | 863 |
| C | | 3.0 | 857 |
| | +9.7 9 Sin. Shed gar. | 3.9 | 85.4 dirt |
| | 4+45 and 4+64 = Shed of above gar. | | |
| | 5+0.3 = Min. Con. Shed garage | | |
| | 5-0.1 = NE " | | |
| | 4+76 | | |
| S | on Con. | 2.86 | 86.46 |
| | +0.2 wch. Con. walk | 2.86 | 86.46 |
| C | | 2.9 | 86.4 |
| | +6 | 2.5 | 86.8 |
| N | | 1.6 | 87.7 |
| | 4+99 Con. apron is part of garage | | |
| S | +0.3 edge apron | 2.87 | 86.45 |
| S | -6.4 2 Sin. gar. | 2.77 | 86.55 Con. |

89.32

45

| | | | |
|------|----------------------------|------|-----------------|
| | 5+05 | | |
| S | +0.3 EL above apron | 2.85 | 86.47 |
| S | +0.3 wch. Con. apron | 2.16 | 87.16 Sin. gar. |
| T.P. | 5.26 <u>92.87</u> | 1.71 | 87.61 |
| | 5+10 | | |
| N | -5.5 9 Sin. gar. | 3.97 | 88.90 (Con. fl) |
| N | -2.5 9 Con. apron | 4.09 | 88.78 1/2 wide |
| N | | 4.5 | 88.4 |
| | +5 | 5.0 | 87.9 |
| C | | 5.4 | 87.5 |
| | +9.7 E Con. apron | 5.76 | 87.11 |
| S | apron | 5.76 | 87.11 |
| | +1.2 2 Sin. gar. | 5.72 | 87.15 Con. |
| | 5+15 | | |
| S | +0.3 E edge Con. apron | 5.75 | 87.12 |
| S | +0.3 P.P. | | |
| S | -1.2 Beg. back fence | | |
| | 5+19.5 | | |
| N | +0.4 Bot. of Rd. Con. step | 4.19 | 88.68 |
| N | -0.7 " " " | 3.85 | 89.02 |
| N | -0.7 Top step | 2.92 | 89.95 |
| N | -1.4 Top small Con. | 4.20 | 90.67 |
| | 5+20.5 | | |
| N | -0.9 Beg. back fence | | |
| | 5+36 end " on line | | |

92.87

S+37.5

S-1.0 E 25' Con. walk 5.59 87.28

S 5.6 87.3

+5 5.1 87.8

C 5.1 87.8

+6 4.9 88.0

N 4.0 88.9

S+45.5

N Bid. strap 3.72 89.15

N-1.1 Top Bot. Con. Stop 3.12 89.75

N-2.1 Top 3' Con. walk 2.39 90.48

S+47

S-1.6 NW Con. house ^{Frame} 3.2 89.5

S+48.5

N 40.9 Tel. pole v

S+85

N 0.5 end Lark fence 3.4 89.5

N 3.0 89.5

+6 4.6 88.3

C 5.0 87.9

S 5.3 87.6

+1.6 NE Con. ^{Frame} house

S+86

S+1.7 Beg. hedge

N " "

92.87

L+100.35 = end hedge on N. 45

S+10.7 Top curb 5.76 87.11

S+10.7 Pav. 5.82 87.05

C " 5.65 87.22

N " 4.83 88.04

N Top curb 4.33 88.54

L+100.35 W c6 line on N. 45

N Pav. 5.17 87.70

C " 5.90 86.97

S " 6.28 86.39

T.P. 0.36 87.44 5.79 87.08

check to B.M. NEBP 9.97 77.47 77.46

46

0.01

B/S
3/30/42

Survey for location of Garage on West
50' of Lot 2 Block 10 Gardners Addition

| | | | | | |
|------------------------|------|-------|------|-------|------------------|
| B.M. | 1191 | 79.98 | | 68.07 | B.P.N.E 18°-B |
| TP | 210 | 81.87 | 0.21 | 79.77 | |
| TP | 6.44 | 77.65 | 1066 | 71.21 | |
| N.W. Cor on X | | 3.95 | | 73.70 | |
| 2'S. End W.M.K. | | 4.05 | | 73.62 | |
| 7'S | | 4.8 | | 72.9 | |
| S.W. Cor | | 6.4 | | 71.3 | |
| 16'E | | 6.2 | | 71.5 | |
| 16'E 2'N | | 5.5 | | 72.2 | |
| S.E. Cor | | 6.6 | | 71.1 | |
| T' | | 5.3 | | 72.4 | |
| N.E. | | 4.9 | | 72.8 | |
| 10' W | | 4.7 | | 73.0 | |
| Elev Top of Windows | | +5.65 | | 83.30 | |
| Elev Bottom of Windows | | +1.65 | | 79.30 | |

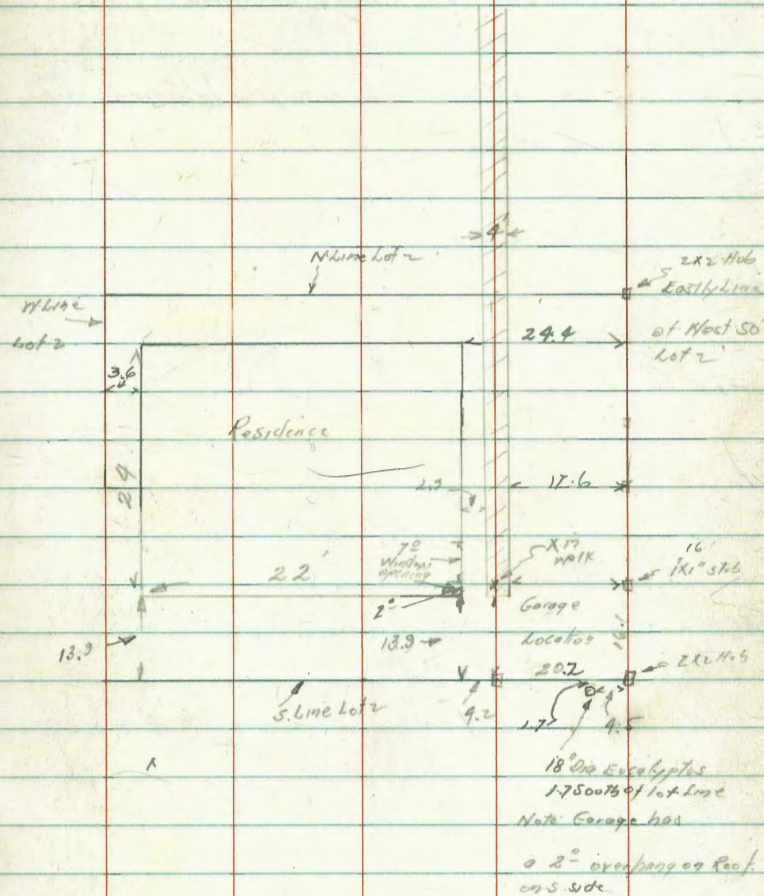
Ht of Garage 8.2 from sill to Top of Rafters

Notes Reduced & Plotted
on Hard Copy 10-11-42
C.D.H.

Scale 1" = 10'

Indexed
C.S.K.

47

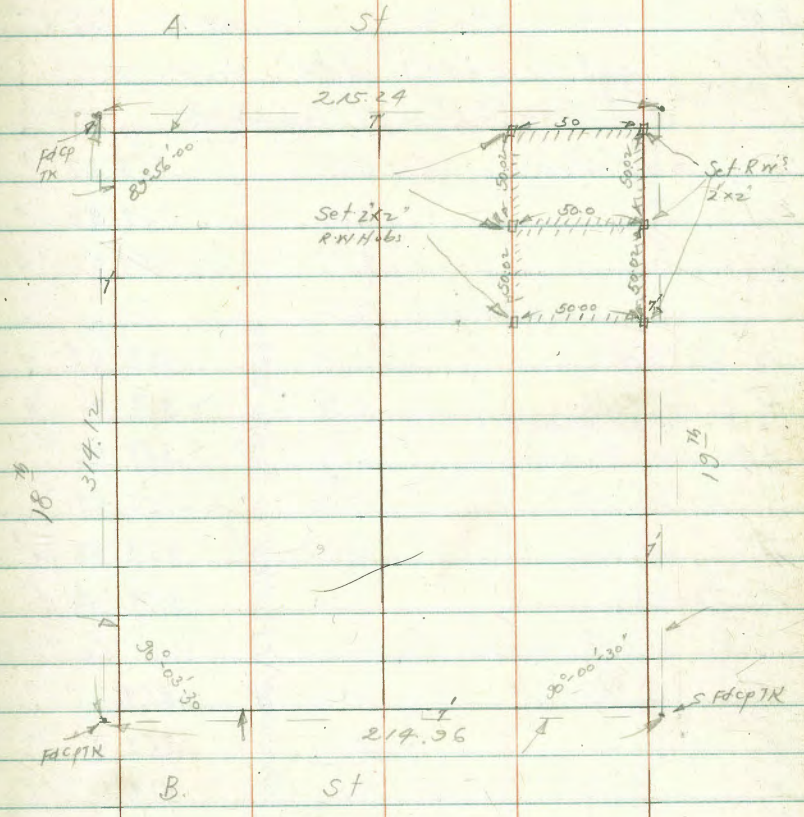


9/30/42
Bliss
Sommermyer
Begg
Hardin

Survey of the East 50' of Lots 1+2
Block 10 Gardner's Addition
Set 2x2" R.W. - 6 as shown on sketch

Top of Space to be occupied by Garage on
Page 47

Indexed
C.S.K.



Cross Section Alley Block 17 Subdivision
of Lots 20 to 50 Block 17 Terrace
From Polk to Orange Between Marlborough & 42nd St

Indexed
c.s.k.

April 23-43
S. J. J. J.
Bliss
8099 Rod 49

BM 418 366.96 362.98

TP 176 364.17 4.55 362.91

0+6.5 - N.C. Line Polk

F on Paving 580 358 37 ✓

1/2 " " 584 358 33 ✓

W " " 590 358 27 ✓

0+0 - N.L. Polk

W Top Cb 512 359 05 ✓

W on Paving 526 358 81 ✓

+0.6 = 5 1/4" Hedge

+4 on Paving 571 358 46

1/2 " " 550 358 67 ✓

F " " 525 358 92 ✓

F Top Cb 505 359 12 ✓

0+15

F 51 359 1

1/2 53 358 9

W 51 359 1

0+37

W - 0.5 - 1 1/4" 2 1/2" 5 1/4" Lath Fence

0+50

W - 0.5 - 1 1/4" Lath Fence

W 48 359 4

+0.3 = 1 1/4" Pav Polk

1/2 48 359 4

+7 49 359 3

F 47 359 5

Dist. BP
Orange Ave
Marlborough

Orange Ave

Set Nail Post



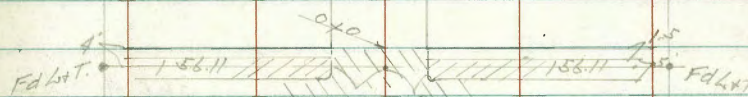
Frame House
87
Block 15

Marlborough Ave

9+53

10+10

42nd St.



Polk Ave

| 36417 | | | |
|--------|------------------------------------|--------|---|
| | 0+68 | | |
| E -59 | = 1/2 Garage Dirt Floor 4.4 | 359 8 | ✓ |
| | 0+75 | | |
| -10 | 4.5 | 359 7 | |
| F | 4.6 | 359 6 | |
| 1/2 | 4.5 | 359 7 | |
| H | 4.7 | 359 5 | |
| +5.6 | = 1/2 Garage Conc Floor 4.80 | 359 37 | ✓ |
| | 0+94 | | |
| H -5.6 | = 1/2 Garage Conc F. 4.50 | 359 67 | ✓ |
| | 1+0 | | |
| H | 4.3 | 359 9 | |
| 1/2 | 4.5 | 359 7 | |
| F | 4.4 | 359 8 | |
| H 0 | 4.3 | 359 9 | ↓ |
| | 1+07 | | |
| H -6.2 | = 1/2 Garage Dirt Floor 4.1 | 360 1 | ✓ |
| | 1+36 | | |
| H.L. | = Sly Board Fence ✓ | | |
| | 1+50 | | |
| -10 | 3.8 | 360 4 | ✓ |
| F | 3.6 | 360 6 | |
| 1/2 | 3.7 | 360 5 | |
| +8.6 | = Wly Power Pole ✓ | | |
| +9.7 | = Wly Board Fence Sly Wire Fence ↓ | | |

| 36417 | | | |
|--------|------------------------------|--------|---|
| H | 3.1 | 360 8 | |
| +10 | 3.9 | 360 3 | ✓ |
| | 1+76 | | |
| H | 3.2 | 361 0 | |
| +0.7 | = Angk H Wire Fence ✓ | | |
| 1/2 | 3.1 | 360 8 | |
| F | 3.0 | 361 2 | |
| +0.1 | Sly Board Fence ↓ | | |
| +10 | 3.2 | 361 0 | ✓ |
| | 1+90 | | |
| E -0.4 | = Wly Board Fence ✓ | | |
| | 1+94 | | |
| H -0.7 | = Fly Conc Apron 2.83 | 361 34 | ✓ |
| H -3.2 | = 1/2 Garage Conc F. 2.78 | 361 39 | ✓ |
| TP | 5.87 367.03 3.01 | 361 16 | |
| | 1+96 | | |
| E -2.0 | = Wly Conc Apron 5.86 | 361 17 | ✓ |
| E -4.6 | = 1/2 Garage Conc Floor 5.62 | 361 41 | ✓ |
| | 2+0 | | |
| F | 5.6 | 361 4 | |
| 1/2 | 5.8 | 361 2 | |
| H | 5.4 | 361 6 | |
| | 2+37 | | |
| H +1.9 | = Wly Power Pole ↓ | | |

| | | | | |
|-------|--------------------------------|--------|--------|---|
| | | 367.03 | | |
| | 2+45 | | | |
| W-26 | = 1/2 Garage Dirt Floor | 53 | 361.7 | ✓ |
| | 2+50 | | | |
| -10 | | 56 | 361.4 | ✓ |
| W | | 51 | 361.9 | |
| 1/2 | | 52 | 361.8 | |
| F | | 50 | 362.0 | |
| +1.4 | = Wly Storage Bldg. ✓ | | | |
| | 2+65 | | | |
| F-0.4 | = Sly Picket Fence ✓ | | | |
| F-0.7 | = Sly Car Paving for School | 5.00 | 362.03 | ✓ |
| | 3+0 | | | |
| -0.4 | = Wly School Paving | 4.89 | 362.14 | ✓ |
| -0.2 | = Picket Fence ✓ | | | |
| F | | 4.9 | 362.1 | |
| 1/2 | | 51 | 361.9 | |
| W | | 51 | 361.9 | |
| +10 | | 54 | 361.6 | ✓ |
| | 3+39 | | | |
| W-23 | = 1/2 Garage Dirt F | 50 | 362.0 | ✓ |
| | 3+47 | | | |
| W+26 | = Wly Pav. Palt ✓ | | | |
| | 3+50 | | | |
| -10 | | 50 | 362.0 | ✓ |
| W | | 47 | 362.3 | ✓ |

| | | | | |
|-------|----------------------|--------|--------|--------|
| | | 367.03 | | |
| Z | | 4.8 | 362.2 | |
| F | | 4.1 | 362.6 | |
| +0.2 | = Picket Fence ✓ | | | |
| +0.5 | = Wly School Paving | 4.70 | 362.33 | ✓ |
| | 3+90 | | | |
| W+24 | = Sly Board Fence ✓ | | | |
| | 4+0 | | | |
| -0.8 | = Wly School Paving | 4.48 | 362.55 | ✓ |
| -0.5 | = Picket Fence | | | |
| F | | 4.0 | 363.0 | |
| Z | | 4.4 | 362.6 | |
| W | | 4.6 | 362.4 | |
| +10 | | 4.8 | 362.2 | ✓ |
| | 4+27 | | | |
| W+25 | = Wly Board Fence ✓ | | | |
| | 4+50 | | | |
| -10 | | 4.3 | 362.7 | ✓ |
| W | | 4.2 | 362.8 | |
| 1/2 | | 4.0 | 363.0 | |
| F | | 3.7 | 363.3 | |
| +0.5 | = Picket Fence ✓ | | | |
| TP | = 5.05 | 368.09 | 3.99 | 362.04 |
| | 4+25 | | | |
| F-0.6 | = Wly Picket Fence ✓ | | | |
| F-0.9 | = Wly Car & Bldg Pav | 5.08 | 363.01 | ✓ |

368.09

4178

W+2.8 = WY Pav Pole ✓
 4181
 F-7.8 = 1/2 Conc Walk 515 362.94 ✓

4187

W-5.5 = 1/2 Garage Plank F 49 363.2 ✓

510

F 5.0 363.1

1/2 5.1 363.0

19 = 5/4 Lat's Fence ✓

W 5.1 363.0

+5 5.2 362.9 ✓

5123

W+1.0 = WY Lat's Fence ✓

5129

W 5.1 363.0

1/2 5.2 362.9

F 4.8 363.3

+1.5 = 1/2 3 Conc Walk 483 363.26 ✓

5150

-1.8 = WY Stucco Garage ✓
 W Entrance

F 5.0 363.1

1/2 5.3 362.8

W 5.3 362.8

52

368.09

517595 = 5.2 Orange Hill

W Tapcb 5.25 362.84 ✓

W on Paving 5.41 362.68 ✓

1/2 " " 5.72 362.37 ✓

F " " 5.53 362.56 ✓

F Tapcb 5.33 362.77 ✓

518975 = 5.66 Line Orange

F+5 on paving 6.15 361.94 ✓

1/2 " " 6.20 361.89 ✓

W " " 6.07 362.02 ✓

TP 5.29 362.75 5.63 362.46

BM 4.94 362.81

NW 8P
 Orange Hill
 Marlborough
 362.78

Cross Section Switzer Canyon
North of Switzer Canyon Dam
Levels Next Page

Indexed
c.s.k.

53

June 10, 1943
51507
81154
8099

1570
Stub

1170
Stub

5725
Stub

4750
Stub

07442

4900

0740

0723

Felt's
Core
well

Eucalyptus
+ Pine Grove

Core Well
Data
St. Louis
Bal 1690
47721
Taken from
7968-15

West
of
21st
St

Felt's
Core
Well

Levels Switzer Canyon
North of Dam

17.11

200

pt. 5

54

TP 8.22 7342 9.33 65.20

| | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17.50 | 65.7 | 61.1 | 60.2 | 61.4 | 61.3 | 61.7 | 62.0 | 68.9 | 68.9 | 69.2 | 20.0 |
| | 8.8 | 18.4 | 18.8 | 10.1 | 13.2 | 12.8 | 12.5 | 5.6 | 5.6 | 5.3 | 4.5 |
| | 187 | 184 | 180 | 150 | 140 | 100 | 80 | 5.5 | 50 | 0.0 | 8 |

| | | | | | | | | | | |
|------|------|------|------|------|------|------|---|---|---|---|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17.0 | 69.1 | 61.2 | 61.5 | 61.3 | 69.0 | 69.1 | | | | |
| | 5.8 | 13.3 | 13.0 | 13.1 | 5.5 | 5.4 | | | | |
| | 190 | 180 | 150 | 102 | 100 | 53 | | | | |

| | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|---|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 07.50 | 69.3 | 65.4 | 61.5 | 61.5 | 61.1 | 61.2 | 69.1 | 71.5 | |
| | 5.2 | 9.1 | 13.0 | 13.0 | 13.4 | 13.3 | 3.3 | 3.0 | |
| | 209 | 207 | 191 | 175 | 150 | 125 | 107 | 100 | |

TP 0.71 74.53 424 73.82 74.53

BM 1.73 76.33

on stub
0.40 100
west of 81.

TP 4.99 78.06 478 73.07

BM 7.65 70.70

S.E. of P
854 + 20 ft
70.23

USGS H. 22
RM station 11.83 77.85 66.52

8119.711 Co
21.20 ft
E of Entrance
Concrete Foundation

Notes Reduced June 15 - 1943 484

(Book 577-41
5-a-1939
Page 43) Profile across dam

Lt.

B

Pt.

| | | | | | | | | | | |
|-----|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|------------------|-----------------|
| 4+0 | 724 77 176 | 672 76 172 | 654 84 156 | 678 40 147 | 634 104 129 | 636 102 107 | 581 157 100 | 587 151 60 | 633 105 35 | 637 101 5 |
|-----|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|------------------|-----------------|

| | | | | | | |
|------------------|------------------|------------------|------------------|-------------------|---------------------|---------------------|
| 70.6 32 00 | 71.9 19 50 | 72.8 10 77 | 70.5 33 82 | 70.8 32 115 | 76.5 42.7 130 | 79.4 45.6 150 |
|------------------|------------------|------------------|------------------|-------------------|---------------------|---------------------|

TP 10.52 7278 10.16 62.26

7278

| | | | | | | | | | | |
|------|------------------|------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|------------------|-----------------|
| 3+50 | 701 32 179 | 639 95 171 | 633 101 160 | 674 60 155 | 675 59 145 | 638 96 168 | 631 103 110 | 588 146 100 | 676 118 55 | 652 82 30 |
|------|------------------|------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|------------------|-----------------|

| | | | | |
|------------|------------------|-------------------|-------------------|-------------------|
| 68.8 16 | 71.2 22 50 | 71.8 16 100 | 71.4 20 125 | 74.7 13 150 |
|------------|------------------|-------------------|-------------------|-------------------|

old
9.7.11

| | | | | | | | | |
|------|------------------|------------------|-------------------|------------------|------------------|------------------|-------------------|------------------|
| 2+35 | 700 34 178 | 638 96 171 | 631 103 156 | 671 63 152 | 671 63 142 | 637 97 136 | 627 108 100 | 630 101 50 |
|------|------------------|------------------|-------------------|------------------|------------------|------------------|-------------------|------------------|

| | | | | |
|------------|------------------|-------------------|---------------------|---------------------|
| 68.3 51 | 70.7 27 50 | 71.9 15 100 | 73.9 20.5 150 | 77.1 13.7 175 |
|------------|------------------|-------------------|---------------------|---------------------|

Service
Road

| | | | | | | | | | |
|-----|------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|------------------|----------------|
| 3+0 | 689 35 183 | 622 112 172 | 622 112 158 | 667 67 148 | 634 100 139 | 626 108 100 | 622 118 50 | 624 110 23 | 680 11 7 |
|-----|------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|------------------|----------------|

| | | | | |
|------------|------------------|-------------------|-------------------|---------------------|
| 70.2 32 | 71.2 22 50 | 71.6 18 100 | 72.4 10 150 | 74.9 11.5 175 |
|------------|------------------|-------------------|-------------------|---------------------|

2+61 180 ft of Base Line - Power Pole

| | | | | | | | | | |
|------|------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-----------------|-----------------|
| 2+50 | 705 29 185 | 623 111 173 | 622 112 158 | 661 73 153 | 621 112 127 | 623 111 100 | 618 118 43 | 683 51 51 | 689 45 35 |
|------|------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-----------------|-----------------|

| | | | |
|------------|------------------|-------------------|-------------------|
| 69.8 36 | 70.5 29 56 | 71.1 23 100 | 72.2 13 150 |
|------------|------------------|-------------------|-------------------|

130-High
Dam

| | | | | | | | | | |
|-----|------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-----------------|-----------------|
| 2+0 | 710 34 193 | 620 114 178 | 617 117 162 | 662 72 155 | 618 116 150 | 616 118 100 | 622 112 60 | 671 62 54 | 675 59 15 |
|-----|------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-----------------|-----------------|

| | | |
|-----------------|------------------|------------------|
| 690 14 60 | 69.5 39 50 | 69.8 36 71 |
|-----------------|------------------|------------------|

7342

7342

| | | | | | | | | | | | | | | |
|------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|-------------------|---------------------|---------------------|
| 6+50 | 10.0 3.7 150 | 73.2 6.8 133 | 70.5 9.5 169 | 66.4 13.6 100 | 66.2 13.8 75 | 68.9 11.1 65 | 71.5 8.5 80 | 72.1 7.9 0.0 | 71.4 8.6 30 | 72.7 7.3 150 | 71.4 8.6 62 | 70.6 9.4 90 | 70.0 10.0 130 | 85.0 +6.0 135 |
|------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|-------------------|---------------------|---------------------|

TP. 7.33 80.02 1.09 72.69 ^{on top of} 80.02
₆₊₅₀
_{50' Pt of B}

| | | | | | | | | | | | | | | | | | |
|-----|---------------------|-------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|---------------------|---------------------|
| 6+0 | 76.5 72.7 157 | 72.5 13 142 | 70.5 3.3 135 | 70.0 3.8 110 | 64.9 8.9 105 | 65.2 8.6 90 | 65.5 8.2 38 | 68.7 5.1 30 | 69.5 4.3 | 70.5 8.3 25 | 71.3 2.5 57 | 69.2 1.6 60 | 70.5 3.3 96 | 67.6 6.2 100 | 69.0 1.8 126 | 80.2 +6.4 129 | 82.8 +9.0 135 |
|-----|---------------------|-------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|---------------------|---------------------|

5+80 161' Lt of B: Payer Park 110' Pt of B: Mt. Payer Gravel

| | | | | | | | | | | | | | |
|------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|-------------------|-------------------|-------------------|-------------------|---------------------|---------------------|
| 5+50 | 74.3 +0.5 156 | 70.2 3.6 152 | 68.1 5.7 110 | 64.3 9.5 104 | 68.0 10.8 75 | 64.8 9.0 150 | 65.6 8.2 | 67.8 6.0 20 | 67.0 6.8 50 | 67.7 6.1 90 | 73.8 0.0 95 | 75.8 +7.0 120 | 81.8 +8.0 133 |
|------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|-------------------|-------------------|-------------------|-------------------|---------------------|---------------------|

| | | | | | | | | | | | | | | |
|------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|-------------------|-------------|-------------------|-------------------|-------------------|---------------------|---------------------|---------------------|
| 5+25 | 73.8 9.0 160 | 70.5 8.3 155 | 66.8 9.0 168 | 63.6 10.2 104 | 61.4 12.4 80 | 61.0 12.8 60 | 64.2 9.6 75 | 65.6 8.2 | 67.5 6.3 35 | 67.1 6.7 65 | 73.3 0.5 80 | 74.2 +0.4 100 | 77.3 +3.5 125 | 82.3 +8.5 135 |
|------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|-------------------|-------------|-------------------|-------------------|-------------------|---------------------|---------------------|---------------------|

| | | | | | | | | | | | | | | | | |
|-----|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|-------------------|-------------|-------------------|-------------------|-------------------|-------------------|---------------------|---------------------|---------------------|
| 5+0 | 73.8 9.0 164 | 70.1 2.7 159 | 69.3 4.5 136 | 64.8 9.0 128 | 65.8 8.0 106 | 58.4 15.2 100 | 60.7 13.1 63 | 64.8 9.0 25 | 65.8 8.0 | 67.4 6.4 10 | 70.6 3.2 30 | 71.0 2.8 65 | 73.8 9.0 90 | 74.9 +1.1 100 | 77.6 +3.8 125 | 82.2 +8.4 135 |
|-----|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|-------------------|-------------|-------------------|-------------------|-------------------|-------------------|---------------------|---------------------|---------------------|

| | | | | | | | | | | | | | | | | |
|------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|-------------------|--------------------|-------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|
| 4+50 | 73.8 0.0 169 | 70.3 3.5 186 | 69.5 4.2 135 | 64.0 9.2 130 | 65.2 8.6 106 | 57.5 16.3 100 | 57.2 16.6 60 | 65.6 9.0 35 | 65.3 8.5 0.0 | 65.3 8.5 | 71.8 2.0 12 | 70.4 3.4 50 | 73.0 0.8 95 | 73.1 0.7 100 | 76.8 +3.0 120 | 80.8 +7.0 135 |
|------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|-------------------|--------------------|-------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|

4+19 1722' Lt of Sarcophag = Payer Park
73.78

73.78

| | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8+85 | 77.4 | 75.9 | 70.0 | 69.6 | 79.3 | 72.5 | 75.1 | 74.9 | 75.5 | 74.6 | 72.5 | 73.3 | 77.1 | 82.6 | 89.2 | |
| | 32 | 47 | 106 | 110 | 83 | 61 | 55 | 57 | 50 | 60 | 81 | 73 | 55 | 70 | 78.6 | |
| | 152 | 108 | 106 | 72 | 62 | 60 | 50 | | | | 65 | 75 | 100 | 113 | 105 | |

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8+50 | 78.0 | 75.7 | 69.9 | 69.8 | 76.0 | 73.9 | 75.0 | 74.2 | 72.6 | 73.3 | 75.7 | 86.6 | 90.8 | | |
| | 26 | 4.9 | 10.7 | 10.8 | 46 | 67 | 51 | 64 | 80 | 73 | 49 | +60 | +102 | | |
| | 152 | 108 | 107 | 75 | 65 | 60 | | 50 | 65 | 85 | 100 | 113 | 133 | | |

| | | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8+0 | 76.4 | 74.4 | 68.7 | 68.0 | 75.4 | 75.4 | 74.4 | 72.6 | 72.4 | 74.0 | 73.8 | 91.2 | |
| | 42 | 62 | 119 | 126 | 53 | 52 | 62 | 80 | 82 | 66 | 68 | +106 | |
| | 153 | 109 | 106 | 75 | 63 | 50 | | 50 | 60 | 80 | 106 | 133 | |

| | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 7+75 | 76.8 | 76.5 | 74.5 | 68.2 | 67.2 | 75.1 | 75.1 | 75.0 | 73.5 | 74.0 | 72.2 | 71.9 | 71.1 | 73.7 | 73.3 | 89.3 |
| | 38 | 41 | 61 | 124 | 131 | 55 | 55 | 56 | 71 | 66 | 84 | 87 | 95 | 69 | 73 | +87 |
| | 152 | 145 | 109 | 107 | 75 | 83 | 50 | 25 | 30 | | 8 | 50 | 80 | 85 | 110 | 133 |

| | | | | | |
|----|------|-------|------|-------|-------|
| TP | 77.2 | 80.55 | 71.9 | 72.83 | 80.55 |
|----|------|-------|------|-------|-------|

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 7+50 | 75.3 | 74.0 | 67.7 | 67.8 | 74.5 | 74.2 | 75.1 | 74.3 | 70.3 | 74.8 | 73.0 | 87.0 | |
| | 47 | 60 | 122 | 122 | 55 | 58 | 49 | 52 | 97 | 82 | 70 | +70 | |
| | 150 | 109 | 107 | 75 | 64 | 50 | | 50 | 62 | 85 | 113 | 133 | |

7+40 150 W of B - Power Pole

| | | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 7+0 | 73.7 | 72.5 | 67.8 | 66.8 | 70.8 | 71.1 | 72.2 | 73.3 | 73.2 | 70.6 | 71.2 | 86.6 | |
| | 61 | 7.5 | 122 | 122 | 92 | 89 | 78 | 67 | 68 | 94 | 88 | +66 | |
| | 150 | 111 | 109 | 80 | 70 | 50 | 100 | 50 | 80 | 87 | 133 | 135 | |

Switzer Canyon

Lt.

B

Pt

58

TP 6.70 84.93 5.62 78.23

11+0

| | | | | | |
|------|------|------|------|------|------|
| 79.6 | 78.2 | 78.2 | 72.5 | 72.8 | 77.4 |
| 4.3 | 5.7 | 5.7 | 11.4 | 11.1 | 2.5 |
| 143 | 160 | 92 | 90 | 40 | 32 |

TP 3.97 83.85 4.84 79.88

10+50

| | | | | |
|------|------|------|------|------|
| 79.2 | 77.9 | 71.5 | 70.9 | 76.5 |
| 5.5 | 6.8 | 13.2 | 13.8 | 8.2 |
| 151 | 97 | 98 | 80 | 53 |

132.50
10.25

10+0

| | | | | | | |
|------|------|------|------|------|------|------|
| 77.3 | 76.8 | 70.7 | 70.4 | 75.4 | 75.2 | 76.9 |
| 7.4 | 7.9 | 14.0 | 14.3 | 9.2 | 9.5 | 7.8 |
| 151 | 100 | 99 | 83 | 53 | 23 | 15 |

9+5.5

9+50

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| 77.1 | 76.5 | 70.0 | 69.9 | 77.5 | 74.9 | 74.4 | 77.2 |
| 7.6 | 8.2 | 14.7 | 14.8 | 7.2 | 2.8 | 10.2 | 7.5 |
| 150 | 104 | 101 | 85 | 33 | 30 | 10 | 15 |

TP 8.54 84.72 4.37 76.18

9+0

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| 77.5 | 76.1 | 69.6 | 69.5 | 76.6 | 74.8 | 73.9 | 75.4 |
| 3.1 | 4.5 | 11.0 | 11.1 | 4.0 | 5.8 | 4.7 | 8.2 |
| 152 | 166 | 103 | 71 | 82 | 55 | 43 | 40 |

145.00
10.25

80.55

77.4

| | | | | |
|------|------|------|------|------|
| 76.3 | 79.0 | 79.6 | 82.8 | 92.4 |
| 7.6 | 4.9 | 4.3 | 1.1 | 7.8 |
| 52 | 59 | 100 | 130 | 135 |

83.85

77.3

| | | | | | | |
|------|------|------|------|------|------|------|
| 76.4 | 77.0 | 78.5 | 79.2 | 79.3 | 81.5 | 93.7 |
| 7.1 | 8.2 | 7.7 | 6.2 | 5.5 | 5.4 | 5.2 |
| 20 | 40 | 50 | 80 | 100 | 135 | 150 |

76.8

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| 74.7 | 74.1 | 75.7 | 74.2 | 78.2 | 80.1 | 81.5 | 92.4 |
| 7.9 | 10.0 | 10.1 | 9.0 | 8.5 | 6.5 | 4.6 | 3.2 |
| 8 | 16 | 18 | 32 | 50 | 100 | 137 | 150 |

78.2

| | | | |
|------|------|------|------|
| 77.7 | 80.4 | 80.7 | 92.2 |
| 6.6 | 4.0 | 4.3 | 4.0 |
| 50 | 70 | 100 | 135 |

77.2

| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 76.4 | 74.2 | 74.4 | 76.1 | 78.5 | 81.9 | 84.7 | 86.2 | 92.7 |
| 7.5 | 8.3 | 10.5 | 10.2 | 8.6 | 6.2 | 2.0 | 9.0 | 7.5 |
| 23 | 25 | 10 | 50 | 25 | 90 | 100 | 130 | 150 |

84.72

75.0

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| 74.4 | 75.6 | 75.8 | 73.3 | 73.2 | 75.9 | 85.6 | 88.6 |
| 5.6 | 6.8 | 5.0 | 4.8 | 7.2 | 7.1 | 4.7 | 4.5 |
| 60 | 30 | 25 | 65 | 69 | 83 | 93 | 135 |

80.55

L1

B

R1

59

| | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|
| 12+50 | 83.0 | 83.2 | 81.9 | 80.9 | 81.1 | 82.8 | 82.6 | 77.2 |
| | 5.6 | 5.4 | 6.7 | 7.7 | 7.5 | 5.8 | 6.0 | 11.1 |
| | 135 | 103 | 98 | 80 | 80 | 50 | 27 | 20 |

| | | | | | | | | |
|--|------|------|------|------|------|------|------|------|
| | 76.6 | 77.6 | 81.4 | 81.9 | 83.5 | 97.0 | 97.4 | 86.6 |
| | 12.0 | 11.0 | 7.3 | 6.7 | 5.1 | 7.4 | 7.8 | 2.0 |
| | | 33 | 42 | 50 | 72 | 91 | 104 | 120 |

| | | | | | | | |
|------|--|------|------|------|------|------|------|
| 12+0 | | 82.0 | 82.2 | 80.5 | 82.1 | 82.4 | 76.0 |
| | | 6.0 | 6.4 | 8.7 | 6.5 | 6.2 | 12.6 |
| | | 116 | 95 | 90 | 50 | 52 | 25 |

| | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| | 76.5 | 77.2 | 80.7 | 80.8 | 80.8 | 81.9 | 82.3 | 97.1 | 97.3 | 91.0 |
| | 12.1 | 11.1 | 7.9 | 7.8 | 7.8 | 6.7 | 6.3 | 7.5 | 7.5 | 7.4 |
| | | 20 | 27 | 50 | 52 | 58 | 85 | 103 | 113 | 127 |

| | | | | | | |
|-------|--|--|------|------|------|------|
| 12+50 | | | 80.0 | 80.0 | 80.0 | 75.0 |
| | | | 8.6 | 8.6 | 8.6 | 12.6 |
| | | | 142 | 100 | 50 | 42 |

| | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|
| | 76.4 | 76.4 | 79.9 | 79.8 | 80.9 | 80.7 | 80.4 | 87.5 | 96.6 | 96.6 | 91.2 |
| | 12.2 | 12.2 | 8.7 | 8.8 | 7.7 | 7.9 | 8.2 | 11 | 7.8 | 7.8 | 12.6 |
| | | 5 | 13 | 30 | 33 | 50 | 70 | 90 | 110 | 120 | 125 |

TP 8.92 88.57 5.28 7965

8857

12+39 123 Lt of B = Power Pole

| | | | | | |
|-------|------|------|------|------|------|
| 12+35 | 79.9 | 80.2 | 79.8 | 79.2 | 74.4 |
| | 5.0 | 4.7 | 5.1 | 5.7 | 10.5 |
| | 135 | 133 | 100 | 80 | 48 |

| | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| | 75.8 | 79.8 | 79.8 | 80.4 | 80.2 | 78.9 | 78.9 | 79.9 | 81.2 | 82.5 | 91.5 | 91.5 |
| | 9.1 | 5.1 | 5.1 | 4.5 | 4.7 | 6.0 | 6.0 | 5.9 | 3.9 | 7.4 | 7.5 | 7.6 |
| | | 5 | 35 | 38 | 58 | 60 | 64 | 66 | 90 | 100 | 115 | 118 |

| | | | | | | |
|------|------|------|------|------|------|------|
| 12+0 | 79.3 | 76.9 | 77.8 | 74.3 | 74.8 | 78.0 |
| | 5.6 | 8.0 | 7.1 | 10.6 | 10.1 | 6.9 |
| | 137 | 100 | 83 | 35 | 12 | 8 |

| | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| | 78.4 | 80.2 | 80.0 | 80.4 | 78.3 | 78.5 | 80.3 | 80.2 | 82.1 | 92.6 |
| | 6.5 | 4.7 | 4.9 | 4.5 | 6.6 | 6.4 | 4.6 | 4.2 | 3.8 | 7.7 |
| | 60 | 5 | 30 | 32 | 63 | 70 | 73 | 100 | 118 | 126 |

| | | | | | | |
|-------|------|------|------|------|------|------|
| 11+50 | 80.1 | 78.4 | 73.3 | 73.3 | 73.4 | 78.7 |
| | 4.3 | 6.5 | 11.6 | 11.6 | 11.5 | 6.7 |
| | 135 | 95 | 91 | 80 | 25 | 25 |

| | | | | | | | |
|--|------|------|------|------|------|------|------|
| | 79.8 | 77.1 | 78.0 | 80.4 | 80.4 | 81.3 | 92.9 |
| | 5.1 | 7.8 | 6.9 | 4.5 | 4.5 | 3.6 | 7.8 |
| | | 8 | 60 | 45 | 100 | 118 | 129 |

8493

8493

TP 8.70 97.29 3.72 88.59

15+50 90.0 89.3 89.5
2.2 3.0 2.8
95 = Per 75 50

15+0 89.7 87.8 87.8 86.4 85.7 80.7
2.6 4.5 4.5 5.9 6.6 11.6
127 109 100 56 26 17

TP 6.49 92.31 2.75 85.82

14+50 85.0 85.3 83.8 85.6 85.3 85.3 80.1
3.1 2.3 4.8 2.0 2.3 3.2 8.5
115 100 70 88 50 28 18

14+0 84.4 84.0 81.3 81.6 83.5 84.5 79.0
1.2 4.6 7.3 7.0 5.1 4.1 9.6
127 105 103 75 56 25 20

13+80 83.1 83.4 83.4 82.2 82.8 83.6 78.7
5.5 5.2 5.2 6.4 5.8 5.0 9.9
130 100 90 88 50 25 28

13+34 92.90
5.67
99.0 MH
0.2 9.0

13+53 118 ft of 8" Power Pole #7911
88.57

89.1 82.8 83.6 89.2 88.9 90.6
3.2 9.5 8.7 3.1 3.4 1.7
3 50 56 85 100

80.6 80.5 84.9 86.9 88.4 88.6
11.7 11.8 7.4 5.1 3.9 2.7
25 56 50 86 100

92.31

79.6 79.9 84.3 85.3 88.3 90.6 90.6
9.0 8.7 4.3 3.3 2.3 1.0 1.0
22 28 50 75 100 100 = W/Road

78.9 79.3 82.9 83.6 83.7 88.4 88.3 90.6 88.3
9.7 9.3 5.7 5.0 1.9 0.2 0.3 1.0 0.3
10 15 26 50 63 70 90 105 110 = W/Road

78.8 72.6 82.2 82.7 97.4 97.6 88.6
9.8 9.9 6.4 5.9 18.8 9.0 0.0
38 45 62 83 97 115

88.57

8M

7.46

89.83

W. S. P.
Pop. P. in Star
Bridg. on
Pop. in Or
J. of Florida Jet
89.88

1640

91.6 ✓

57
57.51/100

92.1 ✓

52

| | | | | |
|--------|--------|--------|--------|--------|
| 85.3 ✓ | 85.5 ✓ | 86.3 ✓ | 89.6 ✓ | 90.6 ✓ |
| 120 | 168 | 110 | 77 | 67 |
| 5 | 80 | 81 | 70 | 90 |

97.29

97.29

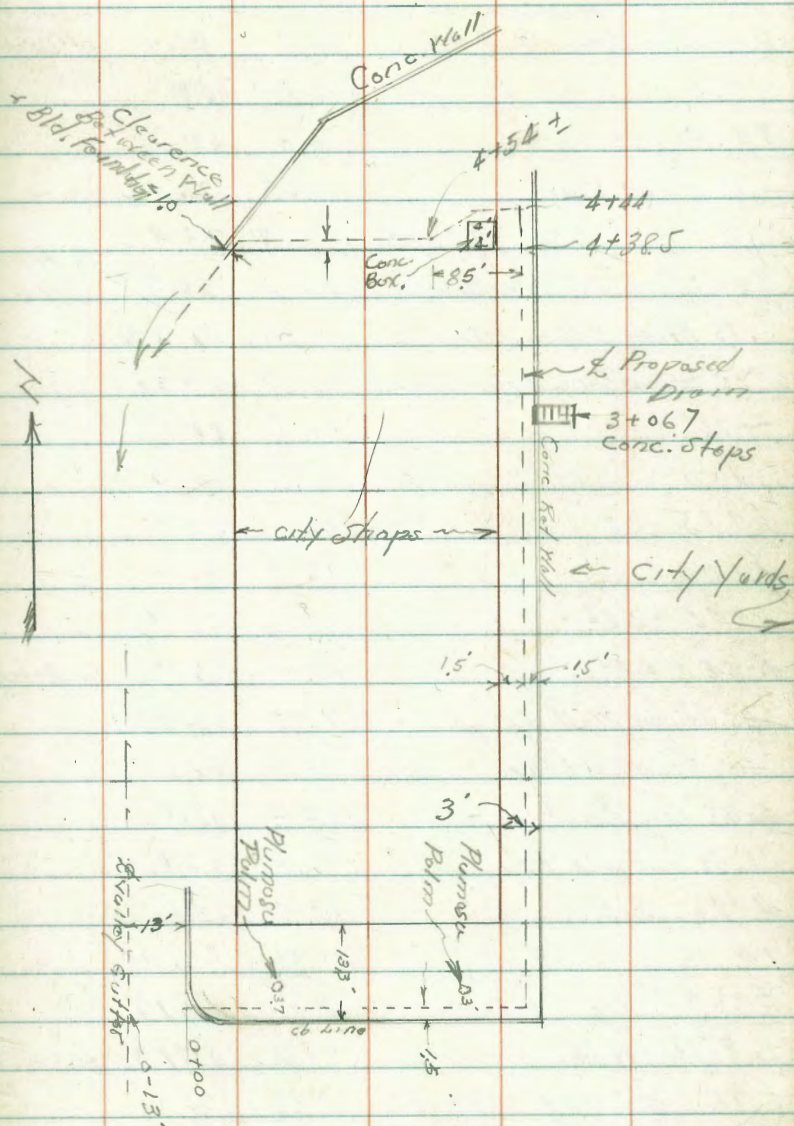
Walker
Osborne
Hazard
9-7-43

City Barris
Levels to Determine Drainage
Along East Side of Machine Shops

Indexed
C.S.K.

62

| | 4.82 | 75.05 | 70.23 | 5th B.P. 20th + 8th |
|-------------------------------|------|-------|-------|------------------------|
| 0-25 on Pav. | 9.66 | 65.39 | | |
| 0-13 " " | 9.57 | 65.53 | | |
| 0±00 = Gut. of cb | 8.83 | 66.22 | | |
| 0±00 on cb | 8.19 | 66.86 | | |
| 0+47.3 opp Bld. in Wall | 7.1 | 68.0 | | |
| 15' Rt. on Hedge cb. | 7.22 | 67.83 | | |
| 0+58.15 on Wall | 6.71 | 68.34 | | |
| +56.8 = A 20' Lt. | 8.0 | 67.1 | | |
| 0+70 = opp. South end shops | 8.1 | 67.0 | | |
| 15' Rt. on Top Red Wall | 3.72 | 71.33 | | |
| 1+00 | 8.2 | 66.9 | | |
| +25 | 8.0 | 67.1 | | |
| 15' Lt. on Shop's wall | 7.9 | 67.2 | | |
| 1+50 | 7.8 | 67.3 | | |
| +75 | 7.8 | 67.3 | | |
| 2+00 | 7.5 | 67.6 | | |
| +25 | 7.3 | 67.8 | | |
| +50 | 7.0 | 68.1 | | |
| +71.5 | 7.0 | 68.1 | | |
| 0.8' Rt. = Flow 3" Galv. Pipe | 6.33 | 68.72 | | |
| 2+79 | 7.0 | 68.1 | | |
| 1' Rt. = Flow 4" " | 6.33 | 68.72 | | |



75.05

City Bonds
Cont. from p. 62

63

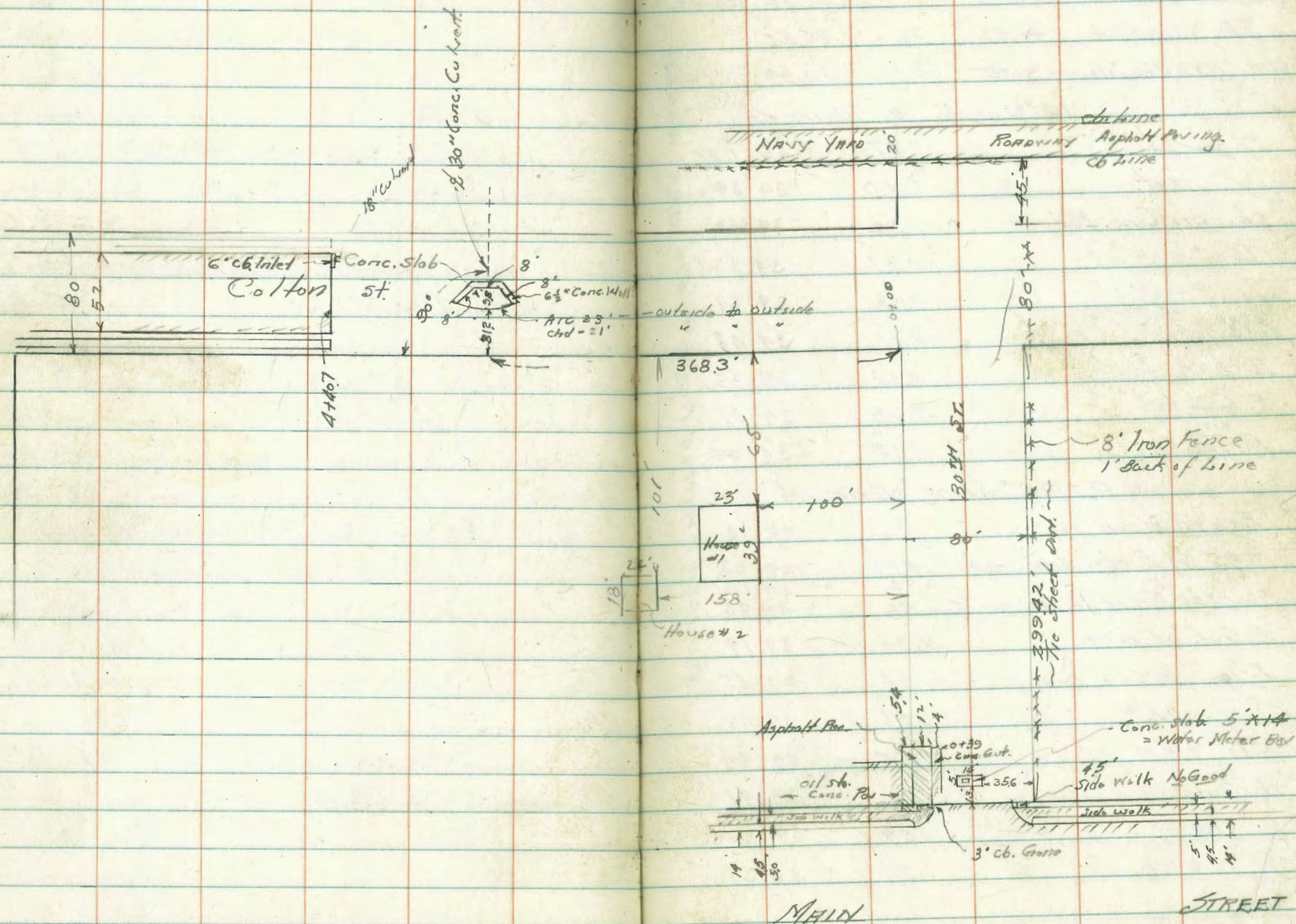
| | | | | |
|--------------------------------|-------------------------------------|-------|-------|-----------------------------|
| 2+86.8 = | Blacksmith Shop Bottom Vent Pipe | 4.7 | 70.4 | over 2 Proposed of Drain |
| +86 | | 6.9 | 68.2 | |
| 3+00 | | 6.8 | 68.3 | |
| 1.5' Rt. on Wall | | 1.63 | 72.42 | |
| T.P. | 5.56 | 78.98 | 1.63 | 73.42 |
| 3+06.7 = | 35' Conc Steps | 12.3 | 66.7 | To Blacksmith Steps |
| 1.5' Rt. on Bottom Step | | 11.46 | 67.52 | |
| 1.5' Lt. on Conc Wall of steps | | 11.67 | 67.31 | |
| 3+25 | | 12.5 | 66.5 | |
| 3+50 | | 12.7 | 66.3 | |
| +75 | | 12.8 | 66.2 | |
| 4+00 | | 12.9 | 66.1 | |
| +44 = | Alt. | 13.1 | 65.9 | |
| 4+54 = | Alt. | 13.0 | 66.0 | in Ditch |
| 1.5' Lt. on Wall of steps | | 11.75 | 67.23 | |
| 1.5' Rt. on old Pav. | | 11.9 | 67.1 | |
| 4+75 in | Ditch | 13.2 | 65.8 | |
| 1' Rt. on old Pav. | | 12.2 | 66.8 | |
| 4+96 = | Alt. | 13.5 | 65.5 | |
| T.P. | 3.86 | 69.76 | 12.88 | 66.10 |
| 5+22 = | opp to Door way to Paint shop | 5.00 | 64.96 | |
| 8' Lt. = | W edge " " | 4.83 | 65.13 | on Conc Floor |
| T.P. | 7.09 | 71.47 | 5.58 | 64.38 |
| chk. Studing B.M. | | 1.22 | 70.25 | |
| | | | 70.23 | |
| | | | 2.02 | |

Walker
Osborne
Hogart
H. H. H.
10-9-43

Cross Section 30th St. 80' Wide
14' cbs
13' 1/2"

Indexed
c. s. k.

64



Cross Section 30th - Main to Colton
Cont. from p 64

1944 Main
also

41.49

65

| | 5.85 | 43.85 | 38.00 | PM S.W. BR Main + 30th |
|----------------------------|------|-------|-------|------------------------------|
| TR | 1.24 | 41.49 | 36.0 | 40.25 |
| chk. N.Y. BR Main + 30th | | 0.50 | 40.99 | |
| 0-14' - South cb. Main st | | | | |
| W. on cb | | 1.47 | 40.02 | |
| " " Gut | | 2.10 | 39.39 | |
| cb. on Conc. Pav | | 1.99 | 39.50 | |
| 1/4 " " " | | 1.87 | 39.62 | |
| 1/2 " " " | | 1.88 | 39.61 | |
| E 1/4 " " " | | 2.01 | 39.48 | |
| E cb " " " | | 2.14 | 39.35 | |
| E Gut " " " | | 2.18 | 39.31 | |
| E Top cb | | 1.54 | 39.95 | |
| 0+00 - Skine Main st | | | | |
| E on Asphalt Pav | | 1.36 | 40.13 | |
| +4.5 on E edge Side Walk | | 1.41 | 40.08 | |
| +9.5 " " " " | | 1.34 | 40.15 | |
| on cb. 3' N of sk. End cb. | | 1.56 | 39.93 | |
| " End of line. | | 2.30 | 39.19 | |
| E 1/4 on Conc. Pav | | 1.84 | 39.65 | |
| 1/2 " " " | | 1.56 | 39.93 | |
| W 1/4 " " " | | 1.55 | 39.94 | |
| W Gut | | 1.58 | 39.91 | |
| " cb | | 1.57 | 39.92 | |
| W | | 1.3 | 40.2 | |

84-01-01 11.80 4651 # 4150 # Plotted Profile #

| | Elev. on Conc. Slab | Water Meter Box |
|--------------------------|---------------------|-----------------|
| N.Y. | on Car slab | 1.47 40.02 |
| S.W. | " " " | 1.51 39.98 |
| S.E. | " " " | 1.50 39.99 |
| N.E. | " " " | 1.49 40.00 |
| | 0+39 | |
| W | | 3.0 38.5 |
| cb. | | 2.9 38.6 |
| 1/4 | | 2.7 38.8 |
| 1/2 | | 2.8 38.7 |
| 1/4 | | 2.9 38.6 |
| +10.5 - W edge Conc. Gut | | 2.81 38.68 |
| cb. 17' " " " | | 2.86 38.63 |
| +15 on E edge " " | | 2.44 39.05 |
| E on Asphalt Pav | | 1.44 40.05 |
| +5.4 | | 1.17 40.32 |
| 0+56 - 8" Tel Pole | 11.5' W of E.L. | |
| 0+58 - 10" Poplar Tree | 9' W of E.L. | |
| | 0+70 | |
| E | | 2.4 39.1 |
| cb. | | 2.8 38.7 |
| 1/4 | | 3.3 38.2 |
| 1/2 | | 3.5 38.0 |
| 1/4 | | 3.8 37.7 |
| cb. | | 4.6 36.9 |
| W | | 5.0 36.5 |
| +10 | | 5.0 36.5 |

4149

30th St.

1+00

| | | | |
|---------------------|---|--------------------------|------------------|
| -10 | | 6.8 | 34.7 |
| W | | 6.8 | 34.7 |
| cb. | | 6.6 | 34.9 |
| 1/4 | | 5.6 | 35.9 |
| L | | 5.0 | 36.5 |
| +5 | | 5.1 | 36.4 |
| 1/4 | | 4.3 | 37.2 |
| cb. | | 4.1 | 37.4 |
| E. | | 3.8 | 37.7 |
| 1+11 = L House or E | ✓ | Floor = 2.04 | 39.45 = 5' Porch |
| | | | Porch on Line |
| | | 1+16 = 3/4 30" Data Pole | 8' W of E.L. |
| 1+50 | | Approx 2" Alley on East | |
| -100' | | 3.8 | 37.7 |
| -50 | | 4.5 | 37.0 |
| E | | 5.0 | 36.5 |
| cb. | | 5.7 | 35.8 |
| 1/4 | | 6.8 | 34.7 |
| L | | 7.8 | 33.7 |
| 1/4 | | 8.8 | 32.7 |
| cb. | | 9.4 | 32.1 |
| W | | 9.6 | 31.9 |
| +10 | | 9.6 | 31.9 |
| 1+61 = L | ✓ | Exec. Pole | 18' E of W.L. |
| | | 1+70 | |
| -10 | | 10.7 | 30.8 |

4149

30th St.

66

| | | | |
|--|------|------------|----------------------------|
| W | | 10.7 | 30.8 |
| cb. | | 11.1 | 30.4 |
| 1/4 | | 10.2 | 31.3 |
| 1/4 | | 9.2 | 32.3 |
| 1/4 | | 8.0 | 33.5 |
| cb. | | 6.7 | 34.8 |
| +3 | | 5.9 | 35.6 |
| E. | | 5.4 | 36.1 |
| +2.8 on Ground | | 5.4 = 36.1 | 1+69 = 8' House 20' Wide ✓ |
| +2.8 " Floor | | 3.02 | 38.47 |
| 1+73 = 1/4 10" Tel Pole | | 10.5 | W of E.L. |
| 1+60 Beginning Picket Fence on E on Line | | | |
| 2+90 End " " " " | | | |
| | | 2+00 | |
| -10 | | 8.2 | 33.3 |
| E | | 8.8 | 32.7 |
| +11 | | 8.8 | 32.7 |
| cb. | | 9.8 | 31.7 |
| 1/4 | | 10.3 | 31.2 |
| L | | 11.1 | 30.4 |
| 1/4 | | 11.8 | 29.7 |
| cb. | | 12.5 | 29.0 |
| +4 | | 13.4 | 28.1 |
| W | | 12.4 | 29.1 |
| +10 | | 12.4 | 29.1 |
| T.P. | 0.36 | 28.77 | 13.08 28.41 |

2877

30TH ST.

| | | | |
|---------------|-----------------------|------|-------------------|
| | 2+50 | | |
| -10 | | 24 | 26.4 |
| W | | 24 | 26.4 |
| +7 | | 27 | 26.1 |
| cb. | | 42 | 24.6 |
| 1/4 | | 31 | 25.7 |
| 1/2 | | 26 | 26.2 |
| 1/4 | | 20 | 26.8 |
| cb. | | 20 | 26.8 |
| E. at Fence | | 0.8 | 28.0 |
| +10 | | +0.5 | 29.3 |
| | 2+99.42 = N.L. Cotton | | 14" cbs. 13.45 |
| E | | 3.1 | 25.7 |
| cb. | | 3.3 | 25.5 |
| 1/4 | | 5.8 | 23.0 |
| +12 | | 6.9 | 21.9 |
| 1/2 | | 8.0 | 20.8 |
| 1/4 | | 8.3 | 20.5 |
| cb. | | 8.7 | 20.1 |
| +7 | | 8.0 | 20.8 |
| W | | 8.1 | 20.7 |
| +10 | | 7.3 | 21.5 |
| | N. cb. Cotton | | |
| 25 | | 4.6 | 24.2 |
| -15 | | 4.6 | 24.2 |
| -6 = Top Bank | | 9.6 | 19.2 |
| W | | 9.6 | 19.2 |

2877

67

| | | | |
|-----|-------|------|------|
| cb. | | 10.4 | 18.4 |
| 1/4 | | 9.8 | 19.0 |
| 1/2 | | 9.7 | 19.1 |
| 1/4 | | 7.7 | 21.1 |
| cb. | | 7.7 | 21.1 |
| E | | 3.1 | 25.7 |
| | N 1/4 | | |
| E | | 3.0 | 25.8 |
| cb. | | 3.4 | 25.4 |
| 1/4 | | 8.8 | 20.0 |
| 1/2 | | 10.3 | 18.5 |
| 1/4 | | 11.2 | 17.6 |
| cb. | | 11.3 | 17.5 |
| W | | 10.9 | 17.9 |
| +6 | | 10.9 | 17.9 |
| +15 | | 4.6 | 24.2 |
| | 1/2 | | |
| -15 | | 4.6 | 24.2 |
| -6 | | 11.6 | 17.2 |
| W | | 11.6 | 17.2 |
| cb. | | 12.3 | 16.5 |
| 1/4 | | 12.1 | 16.7 |
| 1/2 | | 11.8 | 17.0 |
| 1/4 | | 9.1 | 19.7 |
| cb. | | 4.6 | 24.2 |
| E | | 3.2 | 25.6 |

2877

S¹/₄ Cotton

| | | |
|-----|------|------|
| E | 2.5 | 25.3 |
| cb. | 4.7 | 24.1 |
| '14 | 10.8 | 18.0 |
| +6 | 12.6 | 16.2 |
| E | 13.3 | 15.5 |
| '10 | 13.0 | 15.8 |
| cb. | 12.7 | 16.1 |
| W | 12.8 | 16.0 |
| +10 | 12.8 | 16.0 |
| +20 | 5.0 | 23.8 |

S cb.

| | | |
|--|------|------|
| -15 | 13.2 | 15.6 |
| W | 13.2 | 15.6 |
| +11 & 2' South = 1K ¹ / ₂ Elec. Pole | | |
| cb. | 13.3 | 15.5 |
| '10 | 13.5 | 15.3 |
| E | 13.7 | 15.1 |
| +8 | 13.4 | 15.4 |
| '14 | 11.2 | 17.6 |
| +11 | 5.1 | 23.7 |
| cb. | 4.9 | 23.9 |
| E | 3.5 | 25.3 |

0+00 = S¹/₄ Cotton

| | | |
|-----|-----|------|
| E | 3.7 | 25.1 |
| cb. | 4.2 | 24.6 |

2877

30th St

68

| | | |
|-----|------|------|
| +4 | 4.8 | 24.0 |
| '10 | 10.4 | 18.4 |
| +5 | 13.4 | 15.4 |
| E | 13.3 | 15.5 |
| '10 | 13.6 | 15.2 |
| cb. | 14.4 | 14.4 |
| W | 14.2 | 14.6 |
| +15 | 14.2 | 14.6 |

0+30

| | | |
|-----|------|------|
| -15 | 15.2 | 13.6 |
| W | 15.2 | 13.6 |
| cb. | 15.2 | 13.6 |
| '10 | 14.9 | 13.9 |
| +11 | 14.3 | 14.5 |
| E | 9.2 | 19.6 |
| +6 | 5.9 | 22.9 |
| '11 | 5.8 | 23.0 |
| cb. | 4.8 | 24.0 |
| E | 4.7 | 24.1 |

0+45 = N cb. Navy Yard Roadway

| | | |
|----------|-------|-------|
| E on cb. | 16.26 | 12.51 |
| W " " | 16.10 | 12.67 |

Cross Section Cotton 80' wide 14' cb.
from 30th St. East - 440.7' 13' 1/2

indexed
c.s.K

35.99

69

↑ from P-68
2877

| | | | | |
|-------------------------|------|--------------------|------|-------|
| TP | 1001 | 35.99 | 2.79 | 25.28 |
| | | 0+00 = EL. 30' 1/2 | | |
| | | 0+50 | | |
| -75' | | | 1.6 | 34.4 |
| -35' | | | 2.0 | 34.0 |
| 5' | | | 2.9 | 33.1 |
| N | | | 4.9 | 31.1 |
| cb. | | | 6.9 | 29.1 |
| 1/4 | | | 7.5 | 28.5 |
| 2 | | | 6.9 | 29.1 |
| 1/2 | | | 7.8 | 28.2 |
| cb. | | | 8.7 | 27.3 |
| S | | | 9.3 | 26.7 |
| +30 = Top Bank | | | 12.9 | 23.1 |
| 145 = cb Mary Yurd Road | | | | |
| | | | 0+75 | |
| -15 | | | 11.2 | 24.1 |
| S | | | 7.6 | 28.4 |
| cb. | | | 5.8 | 30.2 |
| 1/2 | | | 6.0 | 30.0 |
| 2 | | | 5.2 | 30.8 |
| 1/4 | | | 5.2 | 30.8 |
| cb. | | | 4.4 | 31.6 |
| N | | | 3.2 | 32.8 |

Reduced & Plotted
Profile # 1857
10-11-43
R.H.

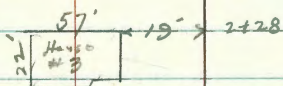
1700

| | | | | |
|----------------|-------------|---|-------|-------|
| -65 | Floor House | +3.0 | 39.0 | ✓ |
| -65 | on Ground | 0.3 | 35.7 | ✓ |
| N-5 | | 2.2 | 33.8 | |
| N | | 2.9 | 33.1 | |
| cb. | | 3.6 | 32.4 | |
| 1/4 | | 4.2 | 31.8 | |
| 2 | | 4.8 | 31.2 | |
| 1/4 | | 5.3 | 30.7 | |
| cb. | | 6.1 | 29.9 | |
| S | | 9.0 | 27.0 | |
| +15 | | 13.6 | 22.4 | |
| | | 1+50 | | |
| -15 | | 13.5 | 22.5 | |
| S | | 10.4 | 25.6 | |
| cb. | | 7.0 | 29.0 | |
| 1/2 | | 4.5 | 31.5 | |
| 2 | | 3.5 | 32.5 | |
| 1/4 | | 3.2 | 32.8 | |
| cb. | | 2.7 | 33.3 | |
| N | | 1.9 | 34.1 | |
| +75 | | +0.8 | 36.8 | |
| | | Stack | | |
| | | 175.3 = West end 7' tank x 24' long 1' 1/2 st | | ✓ |
| TP | 6.67 | 40.12 | 2.54 | 37.45 |
| S.W. Cor House | #2 | 2.0 | 38.0 | ✓ |
| Floor | " | 0.08 | 40.04 | ✓ |
| SE | " | 1.8 | 38.3 | |

40.12

2+00

| | | | |
|--|------|------|------------|
| -100 | 1.7 | 38.4 | |
| -50 | 2.5 | 36.6 | |
| N | 5.0 | 35.1 | |
| cb | 5.7 | 34.4 | |
| 1/4 | 6.0 | 34.1 | |
| 2 | 6.3 | 33.8 | |
| 1/4 | 7.2 | 32.9 | |
| cb | 8.4 | 31.7 | |
| S | 10.3 | 29.8 | |
| 715 | 12.6 | 27.5 | ✓ |
| Floor = 8.3 | | 31.8 | Dirt Floor |
| 2+10 = 10 x 14' Garage on S 10.5, 10.8 | | | |
| 2+00 to 2+50 = Fence on N on line ✓ | | | |
| S.E. Cor House #3 on Ground | | 4.2 | 35.9 ✓ |
| Floor " #3 on Floor | | 1.2 | 38.9 ✓ |



Colton

0+00

30th

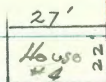
2+50

40.12

Colton - St.

70

| | | | |
|---|------|-----------------------|---------|
| -15 | 11.2 | 28.9 | |
| S | 8.0 | 32.1 | |
| cb | 6.1 | 34.0 | |
| 1/4 | 6.1 | 34.0 | |
| 2 | 5.7 | 34.4 | |
| 1/4 | 5.5 | 34.6 | |
| cb | 6.0 | 34.1 | |
| N | 5.2 | 34.9 | |
| 2+0.5 = 1/2 6" Tel Pole (2+50) 0.5 in st. | | | |
| 2+61 = 1/2 14" Elec Pole | | 11' 10" st on South ✓ | |
| Floor House #2 | | 3.53 | 36.59 ✓ |
| SVC " | | 4.5 | 35.6 ✓ |



57' 2+72

Colton

0+00

30th

2+80

| | | | |
|-----|-----|------|--|
| -10 | 6.7 | 33.4 | |
| N | 5.8 | 34.3 | |
| cb | 5.2 | 34.9 | |
| 1/4 | 4.4 | 35.7 | |
| 2 | 3.9 | 36.2 | |
| 1/4 | 5.6 | 34.5 | |

| | 40.12 | | |
|------------------------------|-------|---------|--|
| cb | 6.2 | 33.2 | |
| S | 8.5 | 31.6 | |
| +7 = S Top New Fill | 9.1 | 31.0 | |
| 3+00 | | | |
| -7 | 8.5 | 31.6 | |
| S | 8.1 | 32.0 | |
| cb | 7.8 | 32.3 | |
| 1/4 | 6.8 | 33.3 | |
| 2 | 5.5 | 34.6 | |
| 1/4 | 6.0 | 34.1 | |
| cb | 10.3 | 29.8 | |
| +7 | 10.0 | 30.1 | |
| N | 11.0 | 29.1 | |
| +10 | 11.0 | 29.1 | |
| 3+03 = E 24" Pepper Tree on | | 6' Back | |
| S.E. Cor House 24" on Ground | 7.5 | 32.6 | |
| 3+09 | | | |
| -57 | 10.3 | 29.8 | |
| N | 13.6 | 26.5 | |
| cb | 13.1 | 27.0 | |
| 1/4 | 5.2 | 30.9 | |
| 2 | 7.1 | 33.0 | |
| 1/4 | 8.9 | 31.8 | |
| cb | 7.6 | 32.5 | |
| S | 8.2 | 31.9 | |
| +7 = S Top New Fill | 8.5 | 31.6 | |

which side
of street

| | 40.12 | Colton | 71 |
|-----|-------|--------|-------------|
| TR | 1.56 | 28.92 | 12.76 27.36 |
| | 3+30 | | |
| -7 | | +3.0 | 31.9 |
| S | | +3.0 | 31.9 |
| +11 | | +2.0 | 31.9 |
| cb | | +1.5 | 30.4 |
| 1/4 | | 5.3 | 23.6 |
| 2 | | 5.9 | 23.0 |
| 1/4 | | 7.3 | 21.6 |
| cb | | 10.3 | 18.6 |
| +7 | | 12.1 | 16.8 |
| N | | 11.1 | 17.8 |
| +20 | | 8.7 | 20.2 |
| | 3+45 | | |
| -50 | | 12.4 | 16.5 |
| N | | 13.7 | 15.2 |
| cb | | 13.6 | 15.3 |
| 1/4 | | 12.9 | 16.0 |
| 2 | | 12.0 | 16.9 |
| +8 | | 10.0 | 18.9 |
| 1/4 | | 7.2 | 21.7 |
| cb | | 0.2 | 28.7 |
| +3 | | +2.7 | 31.6 |
| S | | +2.7 | 31.6 |
| +7 | | +2.7 | 31.6 |

28.92

3+68.3

| | | | |
|--------------------------|-------|-------|--|
| -10 | +27 | 31.6 | |
| S | +27 | 31.6 | |
| +3 | +27 | 31.6 | |
| cb. | 37 | 25.2 | |
| 1/4 | 10.8 | 18.1 | |
| +11 | 13.5 | 15.4 | |
| +11.5 on Hd Wall | 10.60 | 18.32 | |
| +12 " Flow Line 30" Pipe | 14.72 | 14.20 | |
| L | 14.6 | 14.3 | |
| +9.2 on Top Conc. Slab | 14.20 | 14.7 | |
| 1/4 | 14.4 | 14.5 | |
| cb | 14.2 | 14.7 | |
| N | 13.7 | 15.2 | |
| +50 | 12.4 | 16.5 | |
| Wing Walls 30" Culvert | | | |
| W on Wing Wall | 10.60 | 18.32 | |
| W " conc slab | 14.01 | 14.91 | |
| E " " " | 14.55 | 18.37 | |
| E " Wing Wall | 14.00 | 14.92 | |
| | 4+07 | | |
| -50 | 12.9 | 16.0 | |
| N | 13.7 | 15.2 | |
| cb. | 13.7 | 15.2 | |
| 1/4 | 14.2 | 14.7 | |
| L | 14.2 | 14.7 | |

28.92

Cotton

72

| | | |
|-----------|------------|------------|
| S 1/4 +6' | 13.5 | 15.4 |
| S 1/4 | 2.1 | 19.8 |
| cb. | 1.8 | 17.1 |
| +10 | +3.9 | 32.8 |
| S | +3.9 | 32.8 |
| +7 | +3.9 | 32.8 |
| A +27 | | |
| -7 | +3.9 | 32.8 |
| S | +3.9 | 32.8 |
| +5 | +3.9 | 32.8 |
| cb. | 1.6 | 27.3 |
| +6 | 6.1 | 22.8 |
| 1/4 | 5.4 | 23.5 |
| L | 6.4 | 22.5 |
| 1/4 | 5.4 | 23.5 |
| cb. | 3.2 | 25.7 |
| +7 | 2.5 | 26.4 |
| N | 3.1 | 25.8 |
| +20 | 3.5 | 25.4 |
| TR | 7.50 34.17 | 22.5 26.67 |
| | 4+36 | |
| -10 | 5.3 | 28.9 |
| N | 4.5 | 29.7 |
| cb. | 5.1 | 29.1 |
| 1/4 | 5.1 | 29.1 |
| L | 5.7 | 28.5 |

34.17

| | | |
|-------|-----|------|
| S 1/4 | 5.9 | 28.3 |
| cb. | 5.9 | 28.3 |
| S | 1.8 | 32.4 |
| +7 | 1.8 | 32.4 |

4+32 = to 14" Elec. Pole 11' North of St.

4+40.7 = End East. Porphy. on Cotton.

| | | |
|---------------------|------|-------|
| S | 1.9 | 32.3 |
| cb. on cb. | 5.74 | 28.43 |
| on Gut. Inlet | 6.75 | 27.42 |
| +6' on N. end Inlet | 6.66 | 27.51 |
| +6' " cb. | 5.67 | 28.50 |
| 1/4 on cb. | 5.61 | 28.56 |
| " " Gut. | 6.48 | 27.69 |
| 2' on cb. | 5.65 | 28.52 |
| " " Gut. | 6.07 | 28.10 |
| 1 1/2 " cb. | 5.25 | 28.92 |
| " " Gut. | 5.80 | 28.37 |
| N Gut. | 5.58 | 28.59 |
| N cb. on top | 4.95 | 29.22 |
| N | 4.4 | 29.8 |
| +10 | 4.1 | 30.1 |

4+65

| | | |
|-------|------|-------|
| N cb. | 4.09 | 30.08 |
| Gut. | 4.79 | 29.38 |
| 1/4 | 4.60 | 29.57 |

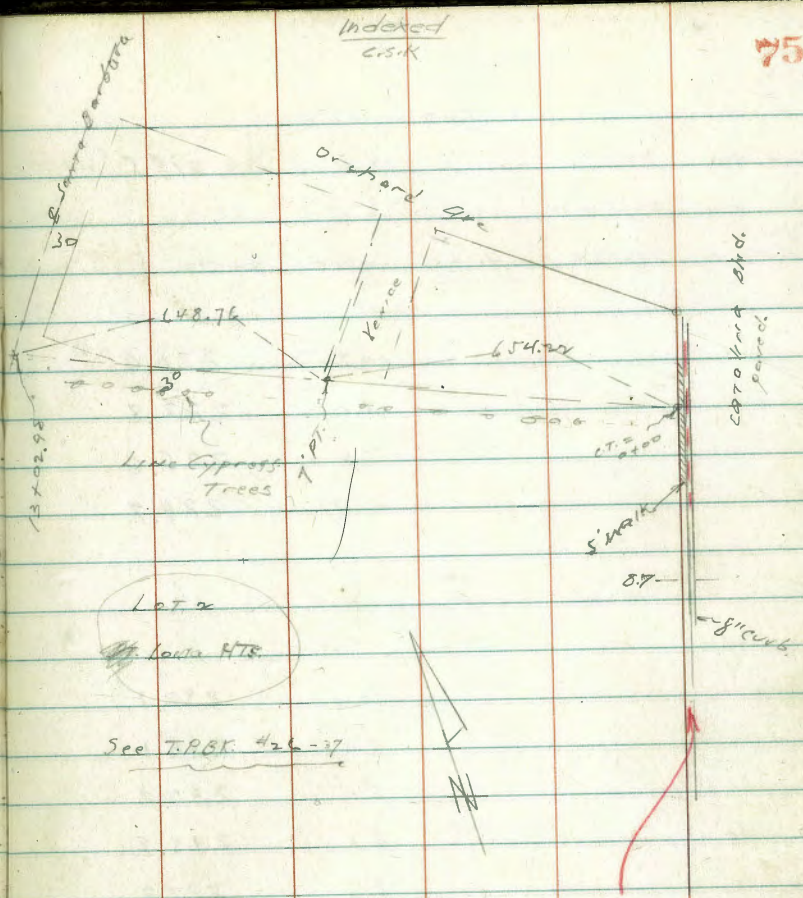
34.17 Cotton est. 73

| | | | |
|------|---------------------|-------|------------------|
| 1/4 | | 4.78 | 29.39 |
| 1/4 | | 5.17 | 29.00 |
| Gut. | | 5.62 | 28.55 |
| cb. | | 5.00 | 29.17 |
| TP | 991 | 42.27 | 1.81 32.36 |
| TP | 461 | 41.22 | 5.59 36.68 |
| cb. | SW Non. Main - 320' | 2.76 | 38.53 |
| | | | 38.59 = Non B.P. |
| | | | 0.46 diff. |

Levels for proposed waterline
on Nly Line Lots 17, 18, 19, 20

| | | ✓ | | 19650 Orchard |
|-------|-----------|----------------|-------|---------------|
| SWAP | 12.84 | 209.34 | | |
| 87 | 9.7 | | 17.70 | 196.64 |
| | Top of | | 17.13 | 197.21 |
| 0.100 | edge walk | W.L. Cat. Blvd | 11.96 | 197.38 |
| 1.24 | | | 6.9 | 202.4 |
| 1.28 | | | 5.9 | 203.4 |
| 1.50 | | | 5.4 | 203.9 |
| 1 | | | 4.8 | 204.5 |
| 1.50 | | | 4.3 | 205.0 |
| 2 | | | 3.8 | 205.5 |
| 1.40 | | | 3.0 | 206.3 |
| 1.50 | | | 2.5 | 206.8 |
| 1.65 | | | 2.3 | 207.0 |
| T.P. | 12.11 | ✓ 219.45 | 2.00 | 207.34 |
| 3.700 | | | 12.5 | 207.0 |
| 1.50 | | | 11.8 | 207.7 |
| 4 | | | 10.9 | 208.6 |
| 1.50 | | | 9.8 | 209.7 |
| 5 | | | 8.3 | 211.2 |
| 1.50 | | | 5.6 | 213.9 |
| 6 | | | 3.5 | 216.0 |

Reduced & Plotted
 on 1/2" x 1/2" Paper
 1-20-1944
 G.H.



Indexed
CRSK

Lot 2
Louis HTR.

See T.P.B.K. 426-17

Note 1 approx. 00-6'
Govt. Communication
Cable about
3' deep.

1-19-44

| | | | | |
|------------|-----------------|-----------------|-------|----------|
| | | 219.45 | | |
| 6 + 50 | | | 6.0 | 218.5 |
| T.P. | 12.45 | <u>231.35</u> ✓ | 0.75 | 218.70 |
| 7 | | | 10.8 | 220.6 |
| + 50 | | | 8.0 | 222.8 |
| 8 | | | 5.8 | 225.6 |
| + 50 | | | 2.7 | 228.7 |
| T.P. | 16.24 | <u>242.32</u> ✓ | 0.29 | 231.84 |
| 9 | | | 10.2 | 232.1 |
| + 50 | | | 7.2 | 235.1 |
| 10 | | | 5.1 | 237.2 |
| + 50 | | | 4.1 | 238.2 |
| 11 | | | 5.0 | 237.3 |
| + 50 | | | 7.3 | 235.0 |
| 12 | | | 10.3 | 232.0 |
| T.P. | 6.85 | <u>236.00</u> ✓ | 13.17 | 229.15 ✓ |
| 12 + 50 | | | 7.1 | 228.9 |
| + 85 | | | 9.8 | 226.2 |
| 13 Nov. 98 | 9 Santa Barbara | | 10.0 | 225.8 |

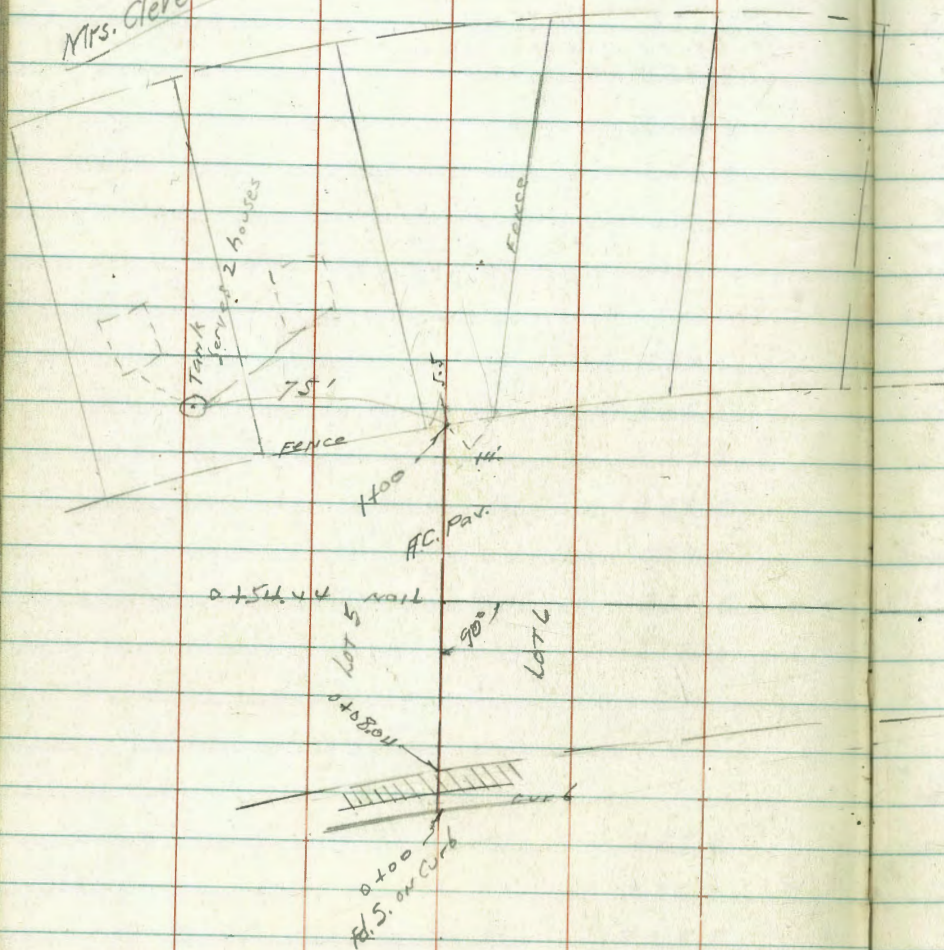
| | | | | |
|------------------------------|--------|--------|------|--------|
| | | 424.00 | | |
| T.P. | 12.45 | 247.84 | 0.61 | 245.39 |
| T.P. | 8.88 | 256.32 | 0.25 | 247.48 |
| check to B.M. CUB | Nov 14 | | 8.12 | 252.20 |
| | | | | 252.31 |
| Cap. Orchard + Santa Barbara | | | | |
| Brass Plug is gone | | | | |
| But Ld. is still in evidence | | | | |

indexed
C.S.M.

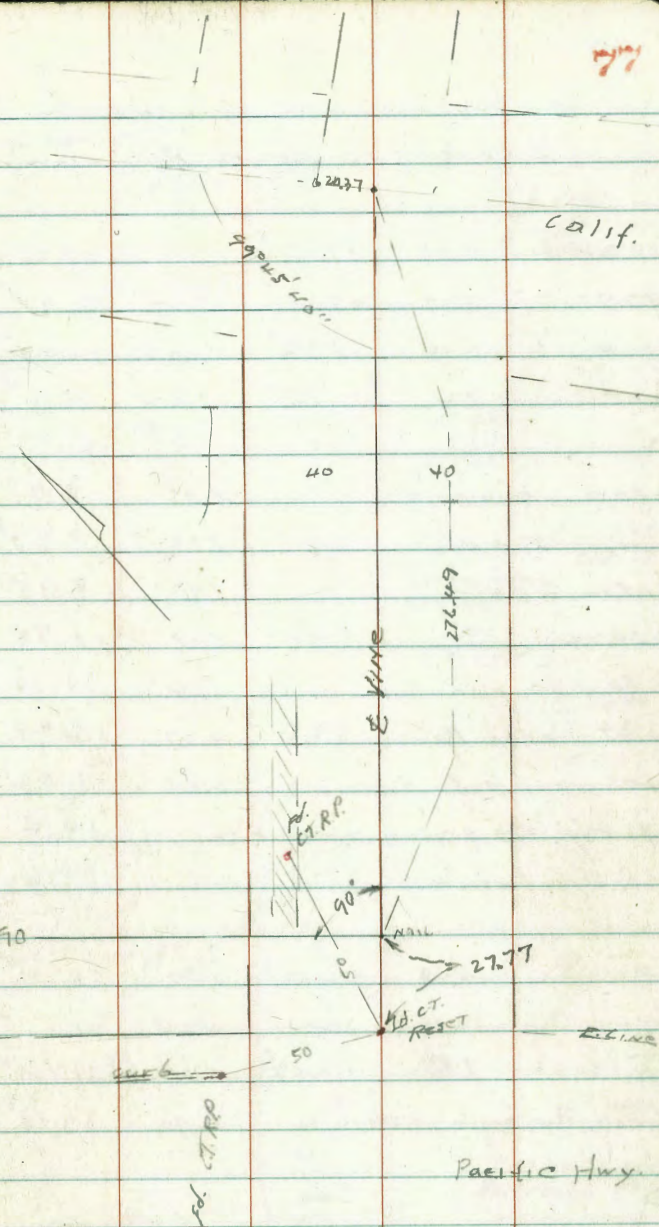
Mance Sewer Survey for
SOUTH MEADOWS
R/W LOTS 128 to 133 MIDDLETOWN
1-22-45.
B1K 258

CUTS P. 78

Mrs. Cleveland



77



Sewer Levels on Line

lots 5-6 Blk 258 Middletown

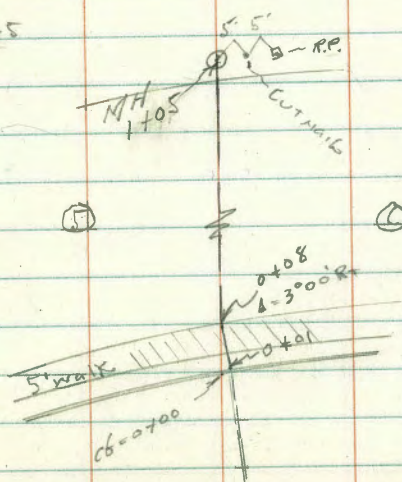
| | | | | |
|----------|-----------------------------|-------|-------|-------------------|
| SEBP | 0.39 | 39.97 | 39.58 | Vine + Kerrman |
| T.P. | 0.19 | 27.16 | 13.00 | 26.97 |
| T.P. | 1.03 | 15.12 | 13.07 | 14.09 |
| T.P. | 7.36 | 17.06 | 5.42 | 9.70 |
| 0+00 | gutter | 8.35 | 8.71 | |
| " | Top cb | 7.83 | 9.23 | |
| +0804 | edge walk beg. H.S. Pav. | 7.91 | 9.15 | E Line Pacific |
| +54.44 | | 6.28 | 10.78 | |
| +80 | | 5.34 | 11.74 | |
| +97 | edge Pav. | 4.67 | 12.39 | |
| 1+00 | Stub | 3.04 | 14.02 | |
| 75 N/y. | TOP ground at Tank | 2.7 | 14.4 | |
| 60' Sly | of STUB | 2.5 | 14.6 | ground |
| T.P. | 12.28 | 27.28 | 7.06 | 10.00 |
| T.P. | 10.18 | 37.28 | 0.68 | 21.60 |
| T.P. | 8.86 | 40.48 | 0.66 | 31.14 |
| check To | orig. B.M. | 0.90 | 39.58 | 39.58 |

Sewer CUTS

Sketch P. 77

| | | | |
|-----------------|--|------|-------------------------|
| Top curb etc | -7.23 9.58 18.81* | F.L. | 2912 B |
| 0+00 = Cb Line | 12.45 Rod Top of Pipe = Rod 13.00 Fl. | | 4-17-45 |
| 0+01 | Sewer pipe - Cov. (uncovered) | 5.81 | |
| 0+08 = E.L. Pac | Angle = 300' R. | 5.95 | 12.86 9.60 C 3.26 |
| 0+43 | | 6.65 | 12.16 8.47 C 3.69 |
| 0+75 | | 7.29 | 11.52 7.20 C 4.30 |
| 1+05 = N.H. | | 7.89 | 10.92 4.59 C 6.33 |

Line Lots 445
258 Mid



offsets
5' RT. on 5
0+08 = chisel
cross
answer.
others are
Roof Nails 5' S.
but N.H. offset
= 5' S for cut
mail
+ 5' More for R.P.
STUB

TABLE X.
MIDDLE ORDINATES OF RAILS
Length of Rail (feet)

| C o / | R Feet | 30 Inch | 28 Inch | 26 Inch | 24 Inch | 22 Inch | 20 Inch | C o | R Feet | 30 Inch | 28 Inch | 26 Inch | 24 Inch | 22 Inch | 20 Inch |
|----------|-----------|------------|------------|------------|------------|------------|------------|--------|-----------|------------|------------|------------|------------|------------|------------|
| 0-20 | 17189 | .08 | .07 | .06 | .05 | .04 | .03 | 8 | 716.8 | 1.88 | 1.64 | 1.42 | 1.20 | 1.01 | .84 |
| 0-40 | 8594 | .16 | .14 | .12 | .10 | .08 | .07 | 9 | 637.3 | 2.12 | 1.84 | 1.60 | 1.35 | 1.14 | .94 |
| 1-0 | 5730 | .24 | .20 | .18 | .15 | .13 | .10 | 10 | 573.7 | 2.36 | 2.05 | 1.78 | 1.50 | 1.27 | 1.04 |
| 1-20 | 4297 | .31 | .27 | .23 | .20 | .17 | .13 | 11 | 521.7 | 2.59 | 2.26 | 1.95 | 1.65 | 1.39 | 1.15 |
| 1-40 | 3438 | .39 | .34 | .29 | .25 | .21 | .17 | 12 | 478.3 | 3.83 | 2.47 | 2.15 | 1.81 | 1.54 | 1.26 |
| 2-0 | 2865 | .47 | .41 | .35 | .30 | .25 | .20 | 13 | 441.7 | 3.05 | 2.66 | 2.30 | 1.96 | 1.66 | 1.36 |
| 2-20 | 2456 | .55 | .48 | .41 | .35 | .29 | .23 | 14 | 410.3 | 3.30 | 2.87 | 2.48 | 2.10 | 1.78 | 1.46 |
| 2-40 | 2149 | .63 | .55 | .47 | .40 | .33 | .27 | 15 | 383.1 | 3.54 | 3.08 | 2.68 | 2.26 | 1.91 | 1.57 |
| 3-0 | 1910 | .71 | .62 | .53 | .45 | .38 | .31 | 16 | 359.3 | 3.76 | 3.28 | 2.83 | 2.40 | 2.04 | 1.67 |
| 3-20 | 1719 | .78 | .68 | .59 | .50 | .42 | .35 | 17 | 338.3 | 4.00 | 3.48 | 3.02 | 2.57 | 2.16 | 1.78 |
| 3-40 | 1563 | .86 | .75 | .65 | .55 | .46 | .38 | 18 | 319.6 | 4.21 | 3.67 | 3.18 | 2.70 | 2.28 | 1.87 |
| 4-0 | 1433 | .94 | .82 | .71 | .60 | .50 | .42 | 19 | 302.9 | 4.45 | 3.89 | 3.36 | 2.86 | 2.41 | 1.98 |
| 4-20 | 1323 | 1.02 | .89 | .77 | .65 | .55 | .45 | 20 | 287.9 | 4.70 | 4.09 | 3.55 | 3.00 | 2.54 | 2.09 |
| 4-40 | 1228 | 1.10 | .96 | .83 | .70 | .59 | .48 | 22 | 262.0 | 5.16 | 4.44 | 3.84 | 3.30 | 2.80 | 2.29 |
| 5 | 1146 | 1.18 | 1.03 | .89 | .75 | .63 | .52 | 24 | 240.5 | 5.64 | 4.92 | 4.20 | 3.59 | 3.04 | 2.50 |
| 6 | 955.3 | 1.41 | 1.23 | 1.06 | .90 | .76 | .62 | 26 | 222.3 | 6.07 | 5.29 | 4.58 | 3.88 | 3.29 | 2.70 |
| 7 | 819.0 | 1.65 | 1.44 | 1.24 | 1.05 | .89 | .73 | | | | | | | | |

TABLE XI.
SHORT RADIUS CURVES

| Radius Feet | Chord Feet | Central Angle | Deflection Angle | Deflection for 1 Foot |
|----------------|---------------|------------------|---------------------|--------------------------|
| 35 | 10 | 16-26 | 8-13 | 49.3 |
| 45 | 10 | 12-46 | 6-23 | 38.3 |
| 50 | 15 | 17-16 | 8-38 | 34.5 |
| 60 | 15 | 14-22 | 7-11 | 28.8 |
| 75 | 15 | 11-30 | 5-45 | 23.0 |
| 100 | 20 | 11-30 | 5-45 | 17.3 |
| 120 | 20 | 9-34 | 4-47 | 14.3 |
| 150 | 20 | 7-39 | 3-49 | 11.5 |
| 190 | 25 | 7-32 | 3-46 | 9.15 |
| 200 | 25 | 7-10 | 3-35 | 8.6 |
| 225 | 25 | 6-25 | 3-12 | 7.7 |
| 240 | 25 | 5-58 | 2-59 | 7.2 |
| 250 | 25 | 5-44 | 2-52 | 6.9 |
| 275 | 25 | 5-12 | 2-36 | 6.2 |
| 288 | 50 | 9-58 | 4-59 | 6.0 |
| 300 | 50 | 9-32 | 4-46 | 5.7 |
| 350 | 50 | 8-12 | 4-06 | 4.9 |
| 376 | 50 | 7-40 | 3-50 | 4.6 |
| 400 | 50 | 7-10 | 3-35 | 4.3 |
| 410 | 50 | 7-00 | 3-30 | 4.2 |

To find length of curve divide angle from P. C. to P. T. by central angle of chord, and multiply by length of chord.

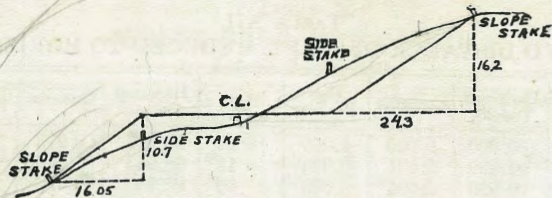
TABLE XII.
INCLINED DISTANCE OF 100 FT. REDUCED TO HORIZONTAL

| Slope | Horizontal Distance | Correction | Rise Per Foot | Slope | Horizontal Distance | Correction | Rise Per Foot |
|-------|------------------------|------------|------------------|-------|------------------------|------------|------------------|
| 0°00' | 100.000 | 0.000 | 0.000 | 8°00' | 99.027 | 0.973 | 0.139 |
| 15' | 99.999 | 0.001 | 0.004 | 15' | 98.965 | 1.035 | 0.143 |
| 30' | 99.996 | 0.004 | 0.009 | 30' | 98.902 | 1.098 | 0.148 |
| 45' | 99.991 | 0.009 | 0.013 | 45' | 98.836 | 1.164 | 0.152 |
| 1 00 | 99.985 | 0.015 | 0.017 | 9 00 | 98.769 | 1.231 | 0.156 |
| 15 | 99.976 | 0.024 | 0.022 | 15 | 98.700 | 1.300 | 0.161 |
| 30 | 99.966 | 0.034 | 0.026 | 30 | 98.629 | 1.371 | 0.165 |
| 45 | 99.953 | 0.047 | 0.031 | 45 | 98.556 | 1.444 | 0.169 |
| 2 00 | 99.939 | 0.061 | 0.035 | 10 00 | 98.481 | 1.519 | 0.174 |
| 15 | 99.923 | 0.077 | 0.039 | 15 | 98.404 | 1.596 | 0.178 |
| 30 | 99.905 | 0.095 | 0.044 | 30 | 98.325 | 1.675 | 0.182 |
| 45 | 99.885 | 0.115 | 0.048 | 45 | 98.245 | 1.755 | 0.187 |
| 3 00 | 99.863 | 0.137 | 0.052 | 11 00 | 98.163 | 1.837 | 0.191 |
| 15 | 99.839 | 0.161 | 0.057 | 15 | 98.079 | 1.921 | 0.195 |
| 30 | 99.813 | 0.187 | 0.061 | 30 | 97.992 | 2.008 | 0.199 |
| 45 | 99.786 | 0.214 | 0.065 | 45 | 97.905 | 2.095 | 0.204 |
| 4 00 | 99.756 | 0.244 | 0.070 | 12 00 | 97.815 | 2.185 | 0.208 |
| 15 | 99.725 | 0.275 | 0.074 | 15 | 97.723 | 2.277 | 0.212 |
| 30 | 99.692 | 0.308 | 0.078 | 30 | 97.630 | 2.370 | 0.216 |
| 45 | 99.657 | 0.343 | 0.083 | 45 | 97.534 | 2.466 | 0.221 |
| 5 00 | 99.619 | 0.381 | 0.087 | 13 00 | 97.437 | 2.563 | 0.225 |
| 15 | 99.580 | 0.420 | 0.092 | 15 | 97.338 | 2.662 | 0.229 |
| 30 | 99.540 | 0.460 | 0.096 | 30 | 97.237 | 2.763 | 0.233 |
| 45 | 99.497 | 0.503 | 0.100 | 45 | 97.134 | 2.866 | 0.238 |
| 6 00 | 99.452 | 0.548 | 0.105 | 14 00 | 97.030 | 2.970 | 0.242 |
| 15 | 99.406 | 0.594 | 0.109 | 15 | 96.923 | 3.077 | 0.246 |
| 30 | 99.357 | 0.643 | 0.113 | 30 | 96.815 | 3.185 | 0.250 |
| 45 | 99.307 | 0.693 | 0.118 | 45 | 96.705 | 3.295 | 0.255 |
| 7 00 | 99.255 | 0.745 | 0.122 | 15 00 | 96.593 | 3.407 | 0.259 |
| 15 | 99.200 | 0.800 | 0.126 | 15 | 96.479 | 3.521 | 0.263 |
| 30 | 99.144 | 0.856 | 0.131 | 30 | 96.363 | 3.637 | 0.267 |
| 45 | 99.087 | 0.913 | 0.135 | 45 | 96.246 | 3.754 | 0.271 |

TABLE XIII.
MINUTES IN DECIMALS OF A DEGREE.

| | | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0 30" | .00833 | 10 30" | .17500 | 20 30" | .34167 | 30 30" | .50833 | 40 30" | .67500 | 50 30" | .84167 |
| 1 00 | .01667 | 11 00 | .18333 | 21 00 | .35000 | 31 00 | .51667 | 41 00 | .68333 | 51 00 | .85000 |
| 30 | .02500 | 30 | .19167 | 30 | .35833 | 30 | .52500 | 30 | .69167 | 30 | .85833 |
| 2 00 | .03333 | 12 00 | .20000 | 22 00 | .36667 | 32 00 | .53333 | 42 00 | .70000 | 52 00 | .86667 |
| 30 | .04167 | 30 | .20833 | 30 | .37500 | 30 | .54167 | 30 | .70833 | 30 | .87500 |
| 3 00 | .05000 | 13 00 | .21667 | 23 00 | .38333 | 33 00 | .55000 | 43 00 | .71667 | 53 00 | .88333 |
| 30 | .05833 | 30 | .22500 | 30 | .39167 | 30 | .55833 | 30 | .72500 | 30 | .89167 |
| 4 00 | .06667 | 14 00 | .23333 | 24 00 | .40000 | 34 00 | .56667 | 44 00 | .73333 | 54 00 | .90000 |
| 30 | .07500 | 30 | .24167 | 30 | .40833 | 30 | .57500 | 30 | .74167 | 30 | .90833 |
| 5 00 | .08333 | 15 00 | .25000 | 25 00 | .41667 | 35 00 | .58333 | 45 00 | .75000 | 55 00 | .91667 |
| 30 | .09167 | 30 | .25833 | 30 | .42500 | 30 | .59167 | 30 | .75833 | 30 | .92500 |
| 6 00 | .10000 | 16 00 | .26667 | 26 00 | .43333 | 36 00 | .60000 | 46 00 | .76667 | 56 00 | .93333 |
| 30 | .10833 | 30 | .27500 | 30 | .44167 | 30 | .60833 | 30 | .77500 | 30 | .94167 |
| 7 00 | .11667 | 17 00 | .28333 | 27 00 | .45000 | 37 00 | .61667 | 47 00 | .78333 | 57 00 | .95000 |
| 30 | .12500 | 30 | .29167 | 30 | .45833 | 30 | .62500 | 30 | .79167 | 30 | .95833 |
| 8 00 | .13333 | 18 00 | .30000 | 28 00 | .46667 | 38 00 | .63333 | 48 00 | .80000 | 58 00 | .96667 |
| 30 | .14167 | 30 | .30833 | 30 | .47500 | 30 | .64167 | 30 | .80833 | 30 | .97500 |
| 9 00 | .15000 | 19 00 | .31667 | 29 00 | .48333 | 39 00 | .65000 | 49 00 | .81667 | 59 00 | .98333 |
| 30 | .15833 | 30 | .32500 | 30 | .49167 | 30 | .65833 | 30 | .82500 | 30 | .99167 |
| 10 00 | .16667 | 20 00 | .33333 | 30 00 | .50000 | 40 00 | .66667 | 50 00 | .83333 | 60 00 | 1.00000 |

0783
133
0771.6



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

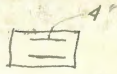
SLOPE $1\frac{1}{2}$ TO 1. ROADWAY OF ANY WIDTH.

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 0 | 0 00 | 0 15 | 0 30 | 0 45 | 0 60 | 0 75 | 0 90 | 1 05 | 1 20 | 1 35 | 0 |
| 1 | 1 50 | 1 05 | 1 30 | 1 45 | 2 10 | 2 25 | 2 40 | 2 55 | 2 70 | 2 85 | 1 |
| 2 | 3 00 | 3 15 | 3 30 | 3 45 | 3 60 | 3 75 | 3 90 | 4 05 | 4 20 | 4 35 | 2 |
| 3 | 4 50 | 4 65 | 4 90 | 4 95 | 5 10 | 5 25 | 5 40 | 5 55 | 5 70 | 5 85 | 3 |
| 4 | 6 00 | 6 15 | 6 30 | 6 45 | 6 60 | 6 75 | 6 90 | 7 05 | 7 20 | 7 35 | 4 |
| 5 | 7 50 | 7 65 | 7 80 | 7 95 | 8 10 | 8 25 | 8 40 | 8 55 | 8 70 | 8 85 | 5 |
| 6 | 9 00 | 9 15 | 9 30 | 9 45 | 9 60 | 9 75 | 9 90 | 10 05 | 10 20 | 10 35 | 6 |
| 7 | 10 50 | 10 65 | 10 80 | 10 95 | 11 10 | 11 25 | 11 40 | 11 55 | 11 70 | 11 85 | 7 |
| 8 | 12 00 | 12 15 | 12 30 | 12 45 | 12 60 | 12 75 | 12 90 | 13 05 | 13 20 | 13 35 | 8 |
| 9 | 13 50 | 13 65 | 13 80 | 13 95 | 14 10 | 14 25 | 14 40 | 14 55 | 14 70 | 14 85 | 9 |
| 10 | 15 00 | 15 15 | 15 30 | 15 45 | 15 60 | 15 75 | 15 90 | 16 05 | 16 20 | 16 35 | 10 |
| 11 | 16 50 | 16 65 | 16 80 | 16 95 | 17 10 | 17 25 | 17 40 | 17 55 | 17 70 | 17 85 | 11 |
| 12 | 18 00 | 18 15 | 18 30 | 18 45 | 18 60 | 18 75 | 18 90 | 19 05 | 19 20 | 19 35 | 12 |
| 13 | 19 50 | 19 65 | 19 80 | 19 95 | 20 10 | 20 25 | 20 40 | 20 55 | 20 70 | 20 85 | 13 |
| 14 | 21 00 | 21 15 | 21 30 | 21 45 | 21 60 | 21 75 | 21 90 | 22 05 | 22 20 | 22 35 | 14 |
| 15 | 22 50 | 22 65 | 22 80 | 22 95 | 23 10 | 23 25 | 23 40 | 23 55 | 23 70 | 23 85 | 15 |
| 16 | 24 00 | 24 15 | 24 30 | 24 45 | 24 60 | 24 75 | 24 90 | 25 05 | 25 20 | 25 35 | 16 |
| 17 | 25 50 | 25 65 | 25 80 | 25 95 | 26 10 | 26 25 | 26 40 | 26 55 | 26 70 | 26 85 | 17 |
| 18 | 27 00 | 27 15 | 27 30 | 27 45 | 27 60 | 27 75 | 27 90 | 28 05 | 28 20 | 28 35 | 18 |
| 19 | 28 50 | 28 65 | 28 80 | 28 95 | 29 10 | 29 25 | 29 40 | 29 55 | 29 70 | 29 85 | 19 |
| 20 | 30 00 | 30 15 | 30 30 | 30 45 | 30 60 | 30 75 | 30 90 | 31 05 | 31 20 | 31 35 | 20 |
| 21 | 31 50 | 31 65 | 31 80 | 31 95 | 32 10 | 32 25 | 32 40 | 32 55 | 32 70 | 32 85 | 21 |
| 22 | 33 00 | 33 15 | 33 30 | 33 45 | 33 60 | 33 75 | 33 90 | 34 05 | 34 20 | 34 35 | 22 |
| 23 | 34 50 | 34 65 | 34 80 | 34 95 | 35 10 | 35 25 | 35 40 | 35 55 | 35 70 | 35 85 | 23 |
| 24 | 36 00 | 36 15 | 36 30 | 36 45 | 36 60 | 36 75 | 36 90 | 37 05 | 37 20 | 37 35 | 24 |
| 25 | 37 50 | 37 65 | 37 80 | 37 95 | 38 10 | 38 25 | 38 40 | 38 55 | 38 70 | 38 85 | 25 |
| 26 | 39 00 | 39 15 | 39 30 | 39 45 | 39 60 | 39 75 | 39 90 | 40 05 | 40 20 | 40 35 | 26 |
| 27 | 40 50 | 40 65 | 40 80 | 40 95 | 41 10 | 41 25 | 41 40 | 41 55 | 41 70 | 41 85 | 27 |
| 28 | 42 00 | 42 15 | 42 30 | 42 45 | 42 60 | 42 75 | 42 90 | 43 05 | 43 20 | 43 35 | 28 |
| 29 | 43 50 | 43 65 | 43 80 | 43 95 | 44 10 | 44 25 | 44 40 | 44 55 | 44 70 | 44 85 | 29 |
| 30 | 45 00 | 45 15 | 45 30 | 45 45 | 45 60 | 45 75 | 45 90 | 46 05 | 46 20 | 46 35 | 30 |
| 31 | 46 50 | 46 65 | 46 80 | 46 95 | 47 10 | 47 25 | 47 40 | 47 55 | 47 70 | 47 85 | 31 |
| 32 | 48 00 | 48 15 | 48 30 | 48 45 | 48 60 | 48 75 | 48 90 | 49 05 | 49 20 | 49 35 | 32 |
| 33 | 49 50 | 49 65 | 49 80 | 49 95 | 50 10 | 50 25 | 50 40 | 50 55 | 50 70 | 50 85 | 33 |
| 34 | 51 00 | 51 15 | 51 30 | 51 45 | 51 60 | 51 75 | 51 90 | 52 05 | 52 20 | 52 35 | 34 |
| 35 | 52 50 | 52 65 | 52 80 | 52 95 | 53 10 | 53 25 | 53 40 | 53 55 | 53 70 | 53 85 | 35 |
| 36 | 54 00 | 54 15 | 54 30 | 54 45 | 54 60 | 54 75 | 54 90 | 55 05 | 55 20 | 55 35 | 36 |
| 37 | 55 50 | 55 65 | 55 80 | 55 95 | 56 10 | 56 25 | 56 40 | 56 55 | 56 70 | 56 85 | 37 |
| 38 | 57 00 | 57 15 | 57 30 | 57 45 | 57 60 | 57 75 | 57 90 | 58 05 | 58 20 | 58 35 | 38 |
| 39 | 58 50 | 58 65 | 58 80 | 58 95 | 59 10 | 59 25 | 59 40 | 59 55 | 59 70 | 59 85 | 39 |
| 40 | 60 00 | 60 15 | 60 30 | 60 45 | 60 60 | 60 75 | 60 90 | 61 05 | 61 20 | 61 35 | 40 |
| 41 | 61 50 | 61 65 | 61 80 | 61 95 | 62 10 | 62 25 | 62 40 | 62 55 | 62 70 | 62 85 | 41 |
| 42 | 63 00 | 63 15 | 63 30 | 63 45 | 63 60 | 63 75 | 63 90 | 64 05 | 64 20 | 64 35 | 42 |
| 43 | 64 50 | 64 65 | 64 80 | 64 95 | 65 10 | 65 25 | 65 40 | 65 55 | 65 70 | 65 85 | 43 |
| 44 | 66 00 | 66 15 | 66 30 | 66 45 | 66 60 | 66 75 | 66 90 | 67 05 | 67 20 | 67 35 | 44 |
| 45 | 67 50 | 67 65 | 67 80 | 67 95 | 68 10 | 68 25 | 68 40 | 68 55 | 68 70 | 68 85 | 45 |
| 46 | 69 00 | 69 15 | 69 30 | 69 45 | 69 60 | 69 75 | 69 90 | 70 05 | 70 20 | 70 35 | 46 |
| 47 | 70 50 | 70 65 | 70 80 | 70 95 | 71 10 | 71 25 | 71 40 | 71 55 | 71 70 | 71 85 | 47 |
| 48 | 72 00 | 72 15 | 72 30 | 72 45 | 72 60 | 72 75 | 72 90 | 73 05 | 73 20 | 73 35 | 48 |
| 49 | 73 50 | 73 65 | 73 80 | 73 95 | 74 10 | 74 25 | 74 40 | 74 55 | 74 70 | 74 85 | 49 |
| 50 | 75 00 | 75 15 | 75 30 | 75 45 | 75 60 | 75 75 | 75 90 | 76 05 | 76 20 | 76 35 | 50 |

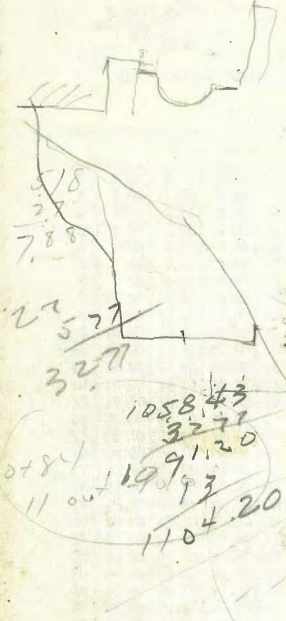
Computed by L. Leland Locke.

163
52
68

4.9
 5.7
 5.5
 6.2



284.34
 380.20
 674.54
 674.26
 28



5.18
 3.7
 7.88

5.317
 18.39
 18.49
 86.05

15.245
 14.385
 86.0

14.38.50
 764.24
 274.26

1058.43
 32.77
 91.20

1104.20
 38
 43

904.24
 764.24
 140.00

58.77
 353
 27
 380

444.6
 26.03
 310.29

4.87
 254
 7.41

34.50
 2.20
 36.70

8.50
 45.5
 74.5
 420.0

102.64
 SW

ENGINEERING DEPARTMENT
 CITY OF SAN DIEGO
 CALIFORNIA.

265

377

614.4

102

680.20
 74.20
 598

27 x 22

294.34
 15.77
 310.11