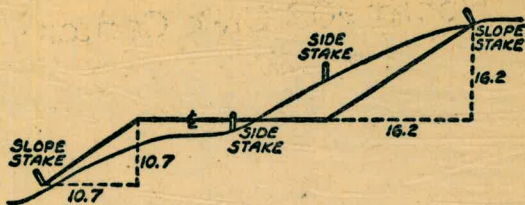


Please Return to
 City of San Diego Water Dept.
 Room 903 Civic Center

884



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
 SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | 9 | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 0 | 0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 0 |
| 1 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 1 |
| 2 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 | 2.90 | 2 |
| 3 | 3.00 | 3.10 | 3.20 | 3.30 | 3.40 | 3.50 | 3.60 | 3.70 | 3.80 | 3.90 | 3 |
| 4 | 4.00 | 4.10 | 4.20 | 4.30 | 4.40 | 4.50 | 4.60 | 4.70 | 4.80 | 4.90 | 4 |
| 5 | 5.00 | 5.10 | 5.20 | 5.30 | 5.40 | 5.50 | 5.60 | 5.70 | 5.80 | 5.90 | 5 |
| 6 | 6.00 | 6.10 | 6.20 | 6.30 | 6.40 | 6.50 | 6.60 | 6.70 | 6.80 | 6.90 | 6 |
| 7 | 7.00 | 7.10 | 7.20 | 7.30 | 7.40 | 7.50 | 7.60 | 7.70 | 7.80 | 7.90 | 7 |
| 8 | 8.00 | 8.10 | 8.20 | 8.30 | 8.40 | 8.50 | 8.60 | 8.70 | 8.80 | 8.90 | 8 |
| 9 | 9.00 | 9.10 | 9.20 | 9.30 | 9.40 | 9.50 | 9.60 | 9.70 | 9.80 | 9.90 | 9 |
| 10 | 10.00 | 10.10 | 10.20 | 10.30 | 10.40 | 10.50 | 10.60 | 10.70 | 10.80 | 10.90 | 10 |
| 11 | 11.00 | 11.10 | 11.20 | 11.30 | 11.40 | 11.50 | 11.60 | 11.70 | 11.80 | 11.90 | 11 |
| 12 | 12.00 | 12.10 | 12.20 | 12.30 | 12.40 | 12.50 | 12.60 | 12.70 | 12.80 | 12.90 | 12 |
| 13 | 13.00 | 13.10 | 13.20 | 13.30 | 13.40 | 13.50 | 13.60 | 13.70 | 13.80 | 13.90 | 13 |
| 14 | 14.00 | 14.10 | 14.20 | 14.30 | 14.40 | 14.50 | 14.60 | 14.70 | 14.80 | 14.90 | 14 |
| 15 | 15.00 | 15.10 | 15.20 | 15.30 | 15.40 | 15.50 | 15.60 | 15.70 | 15.80 | 15.90 | 15 |
| 16 | 16.00 | 16.10 | 16.20 | 16.30 | 16.40 | 16.50 | 16.60 | 16.70 | 16.80 | 16.90 | 16 |
| 17 | 17.00 | 17.10 | 17.20 | 17.30 | 17.40 | 17.50 | 17.60 | 17.70 | 17.80 | 17.90 | 17 |
| 18 | 18.00 | 18.10 | 18.20 | 18.30 | 18.40 | 18.50 | 18.60 | 18.70 | 18.80 | 18.90 | 18 |
| 19 | 19.00 | 19.10 | 19.20 | 19.30 | 19.40 | 19.50 | 19.60 | 19.70 | 19.80 | 19.90 | 19 |
| 20 | 20.00 | 20.10 | 20.20 | 20.30 | 20.40 | 20.50 | 20.60 | 20.70 | 20.80 | 20.90 | 20 |
| 21 | 21.00 | 21.10 | 21.20 | 21.30 | 21.40 | 21.50 | 21.60 | 21.70 | 21.80 | 21.90 | 21 |
| 22 | 22.00 | 22.10 | 22.20 | 22.30 | 22.40 | 22.50 | 22.60 | 22.70 | 22.80 | 22.90 | 22 |
| 23 | 23.00 | 23.10 | 23.20 | 23.30 | 23.40 | 23.50 | 23.60 | 23.70 | 23.80 | 23.90 | 23 |
| 24 | 24.00 | 24.10 | 24.20 | 24.30 | 24.40 | 24.50 | 24.60 | 24.70 | 24.80 | 24.90 | 24 |
| 25 | 25.00 | 25.10 | 25.20 | 25.30 | 25.40 | 25.50 | 25.60 | 25.70 | 25.80 | 25.90 | 25 |
| 26 | 26.00 | 26.10 | 26.20 | 26.30 | 26.40 | 26.50 | 26.60 | 26.70 | 26.80 | 26.90 | 26 |
| 27 | 27.00 | 27.10 | 27.20 | 27.30 | 27.40 | 27.50 | 27.60 | 27.70 | 27.80 | 27.90 | 27 |
| 28 | 28.00 | 28.10 | 28.20 | 28.30 | 28.40 | 28.50 | 28.60 | 28.70 | 28.80 | 28.90 | 28 |
| 29 | 29.00 | 29.10 | 29.20 | 29.30 | 29.40 | 29.50 | 29.60 | 29.70 | 29.80 | 29.90 | 29 |
| 30 | 30.00 | 30.10 | 30.20 | 30.30 | 30.40 | 30.50 | 30.60 | 30.70 | 30.80 | 30.90 | 30 |
| 31 | 31.00 | 31.10 | 31.20 | 31.30 | 31.40 | 31.50 | 31.60 | 31.70 | 31.80 | 31.90 | 31 |
| 32 | 32.00 | 32.10 | 32.20 | 32.30 | 32.40 | 32.50 | 32.60 | 32.70 | 32.80 | 32.90 | 32 |
| 33 | 33.00 | 33.10 | 33.20 | 33.30 | 33.40 | 33.50 | 33.60 | 33.70 | 33.80 | 33.90 | 33 |
| 34 | 34.00 | 34.10 | 34.20 | 34.30 | 34.40 | 34.50 | 34.60 | 34.70 | 34.80 | 34.90 | 34 |
| 35 | 35.00 | 35.10 | 35.20 | 35.30 | 35.40 | 35.50 | 35.60 | 35.70 | 35.80 | 35.90 | 35 |
| 36 | 36.00 | 36.10 | 36.20 | 36.30 | 36.40 | 36.50 | 36.60 | 36.70 | 36.80 | 36.90 | 36 |
| 37 | 37.00 | 37.10 | 37.20 | 37.30 | 37.40 | 37.50 | 37.60 | 37.70 | 37.80 | 37.90 | 37 |
| 38 | 38.00 | 38.10 | 38.20 | 38.30 | 38.40 | 38.50 | 38.60 | 38.70 | 38.80 | 38.90 | 38 |
| 39 | 39.00 | 39.10 | 39.20 | 39.30 | 39.40 | 39.50 | 39.60 | 39.70 | 39.80 | 39.90 | 39 |
| 40 | 40.00 | 40.10 | 40.20 | 40.30 | 40.40 | 40.50 | 40.60 | 40.70 | 40.80 | 40.90 | 40 |
| 41 | 41.00 | 41.10 | 41.20 | 41.30 | 41.40 | 41.50 | 41.60 | 41.70 | 41.80 | 41.90 | 41 |
| 42 | 42.00 | 42.10 | 42.20 | 42.30 | 42.40 | 42.50 | 42.60 | 42.70 | 42.80 | 42.90 | 42 |
| 43 | 43.00 | 43.10 | 43.20 | 43.30 | 43.40 | 43.50 | 43.60 | 43.70 | 43.80 | 43.90 | 43 |
| 44 | 44.00 | 44.10 | 44.20 | 44.30 | 44.40 | 44.50 | 44.60 | 44.70 | 44.80 | 44.90 | 44 |
| 45 | 45.00 | 45.10 | 45.20 | 45.30 | 45.40 | 45.50 | 45.60 | 45.70 | 45.80 | 45.90 | 45 |
| 46 | 46.00 | 46.10 | 46.20 | 46.30 | 46.40 | 46.50 | 46.60 | 46.70 | 46.80 | 46.90 | 46 |
| 47 | 47.00 | 47.10 | 47.20 | 47.30 | 47.40 | 47.50 | 47.60 | 47.70 | 47.80 | 47.90 | 47 |
| 48 | 48.00 | 48.10 | 48.20 | 48.30 | 48.40 | 48.50 | 48.60 | 48.70 | 48.80 | 48.90 | 48 |
| 49 | 49.00 | 49.10 | 49.20 | 49.30 | 49.40 | 49.50 | 49.60 | 49.70 | 49.80 | 49.90 | 49 |
| 50 | 50.00 | 50.10 | 50.20 | 50.30 | 50.40 | 50.50 | 50.60 | 50.70 | 50.80 | 50.90 | 50 |

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

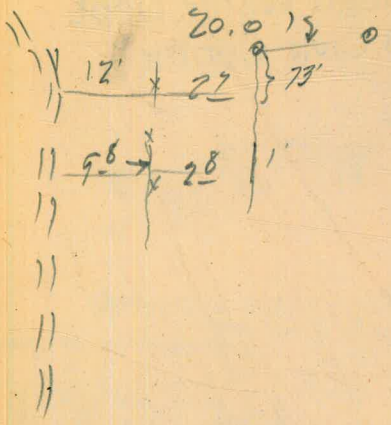


9.9
 1.7
 8.2 @ 17'



8° 45' 45"

W. H. Northrup,
L.S. 28 - New 3/4 1. P



DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side of shoulder
stake for any width roadway, slope 1 1/2 to 1
If ground is nearly level, the cut or fill at side
stake is located by the double entry method.

IMPROVED TABLES
AND
INFORMATION

cut target. If it does not make the slight ad-
justment necessary.

TABLE No. VIII

To find Tangent and External for curve of
any other degree, divide by degree of curve and
add correction found in column of corrections.
Degree of curve with a given L may be found
by dividing tangent (or external) opposite L by
given tangent (or external).

The distance from a point on the tangent to
the curve is very nearly the square of the tangent
length divided by twice the radius.

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

| Central Angle | DEGREE OF CURVE | | | | | | | | | | | | | |
|---------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° |
| 10° | .03 | .06 | .09 | .13 | .16 | .19 | .22 | .25 | .28 | .31 | .34 | .38 | .42 | .46 |
| 15° | .04 | .10 | .14 | .19 | .24 | .29 | .34 | .39 | .45 | .51 | .53 | .58 | .63 | .68 |
| 20° | .06 | .13 | .19 | .26 | .32 | .39 | .45 | .51 | .58 | .65 | .72 | .79 | .84 | .90 |
| 25° | .08 | .16 | .24 | .33 | .40 | .49 | .58 | .67 | .75 | .83 | .90 | .99 | 1.06 | 1.14 |
| 30° | .10 | .19 | .29 | .39 | .49 | .59 | .69 | .79 | .89 | .99 | 1.09 | 1.20 | 1.29 | 1.39 |
| 35° | .11 | .22 | .34 | .47 | .58 | .69 | .79 | .81 | .92 | 1.04 | 1.29 | 1.42 | 1.54 | 1.66 |
| 40° | .13 | .26 | .40 | .53 | .67 | .80 | .93 | 1.06 | 1.20 | 1.34 | 1.49 | 1.64 | 1.79 | 1.94 |
| 45° | .15 | .30 | .44 | .60 | .76 | .91 | 1.06 | 1.21 | 1.37 | 1.52 | 1.70 | 1.87 | 2.04 | 2.21 |
| 50° | .17 | .34 | .51 | .68 | .85 | 1.02 | 1.19 | 1.36 | 1.54 | 1.72 | 1.91 | 2.10 | 2.29 | 2.48 |
| 55° | .19 | .38 | .57 | .76 | .95 | 1.14 | 1.32 | 1.52 | 1.72 | 1.92 | 2.14 | 2.35 | 2.56 | 2.77 |
| 60° | .21 | .42 | .63 | .84 | 1.05 | 1.27 | 1.49 | 1.71 | 1.94 | 2.17 | 2.38 | 2.60 | 2.83 | 3.07 |
| 65° | .23 | .46 | .69 | .93 | 1.16 | 1.40 | 1.64 | 1.88 | 2.13 | 2.38 | 2.63 | 2.88 | 3.13 | 3.39 |
| 70° | .25 | .51 | .76 | 1.02 | 1.28 | 1.54 | 1.80 | 2.06 | 2.33 | 2.60 | 2.88 | 3.16 | 3.44 | 3.72 |
| 75° | .27 | .56 | .83 | 1.12 | 1.40 | 1.69 | 1.98 | 2.27 | 2.57 | 2.87 | 3.16 | 3.47 | 3.78 | 4.09 |
| 80° | .30 | .61 | .91 | 1.22 | 1.53 | 1.84 | 2.15 | 2.46 | 2.78 | 3.10 | 3.44 | 3.78 | 4.12 | 4.46 |
| 85° | .33 | .66 | 1.00 | 1.33 | 1.68 | 2.02 | 2.36 | 2.70 | 3.05 | 3.40 | 3.77 | 4.14 | 4.55 | 4.89 |
| 90° | .36 | .72 | 1.09 | 1.45 | 1.83 | 2.20 | 2.57 | 2.94 | 3.32 | 3.70 | 4.10 | 4.49 | 4.91 | 5.32 |
| 95° | .39 | .79 | 1.19 | 1.55 | 2.00 | 2.40 | 2.80 | 3.20 | 3.61 | 4.02 | 4.40 | 4.98 | 5.38 | 5.83 |
| 100° | .43 | .86 | 1.30 | 1.74 | 2.18 | 2.62 | 3.06 | 3.50 | 3.95 | 4.40 | 4.88 | 5.37 | 5.85 | 6.34 |
| 110° | .51 | 1.03 | 1.56 | 2.08 | 2.61 | 3.14 | 3.67 | 4.21 | 4.76 | 5.31 | 5.86 | 6.43 | 7.01 | 7.60 |
| 120° | .62 | 1.25 | 1.93 | 2.52 | 3.16 | 3.81 | 4.45 | 5.11 | 5.77 | 6.44 | 7.12 | 7.80 | 8.50 | 9.22 |

FOR EXTERNALS ADD

| Central Angle | DEGREE OF CURVE | | | | | | | | | | | | | |
|---------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° |
| 10° | .001 | .003 | .004 | .006 | .007 | .008 | .009 | .011 | .012 | .014 | .015 | .017 | .018 | .020 |
| 15° | .003 | .007 | .010 | .014 | .018 | .023 | .027 | .032 | .035 | .039 | .043 | .047 | .051 | .055 |
| 20° | .006 | .011 | .017 | .022 | .028 | .034 | .038 | .045 | .051 | .057 | .063 | .070 | .076 | .083 |
| 25° | .009 | .018 | .027 | .036 | .046 | .056 | .065 | .074 | .083 | .093 | .106 | .120 | .127 | .135 |
| 30° | .013 | .025 | .038 | .051 | .065 | .078 | .090 | .103 | .116 | .129 | .149 | .170 | .179 | .188 |
| 35° | .018 | .035 | .054 | .072 | .086 | .109 | .131 | .153 | .175 | .197 | .213 | .230 | .247 | .264 |
| 40° | .023 | .046 | .070 | .093 | .117 | .141 | .172 | .203 | .234 | .265 | .277 | .290 | .315 | .341 |
| 45° | .030 | .060 | .093 | .119 | .153 | .184 | .216 | .254 | .289 | .325 | .351 | .378 | .411 | .445 |
| 50° | .037 | .075 | .116 | .151 | .189 | .227 | .266 | .305 | .345 | .384 | .425 | .467 | .508 | .550 |
| 55° | .046 | .093 | .142 | .188 | .236 | .283 | .332 | .381 | .420 | .479 | .530 | .582 | .641 | .700 |
| 60° | .056 | .112 | .168 | .225 | .283 | .340 | .398 | .457 | .516 | .575 | .636 | .697 | .774 | .851 |
| 65° | .067 | .135 | .204 | .273 | .343 | .412 | .483 | .554 | .625 | .697 | .771 | .845 | .922 | 1.01 |
| 70° | .080 | .159 | .240 | .321 | .403 | .485 | .568 | .652 | .735 | .819 | .906 | .994 | 1.08 | 1.17 |
| 75° | .095 | .182 | .266 | .353 | .440 | .528 | .617 | .707 | .797 | .887 | 1.07 | 1.18 | 1.29 | 1.39 |
| 80° | .110 | .220 | .332 | .445 | .558 | .671 | .787 | .903 | 1.02 | 1.13 | 1.25 | 1.38 | 1.50 | 1.62 |
| 85° | .128 | .259 | .391 | .524 | .657 | .790 | .926 | 1.06 | 1.20 | 1.34 | 1.47 | 1.62 | 1.76 | 1.91 |
| 90° | .149 | .299 | .450 | .603 | .756 | .910 | 1.07 | 1.22 | 1.38 | 1.54 | 1.70 | 1.87 | 2.03 | 2.20 |
| 95° | .174 | .350 | .522 | .706 | .885 | 1.06 | 1.25 | 1.43 | 1.62 | 1.80 | 1.99 | 2.18 | 2.38 | 2.58 |
| 100° | .200 | .401 | .604 | .809 | 1.01 | 1.22 | 1.43 | 1.64 | 1.85 | 2.06 | 2.28 | 2.50 | 2.73 | 2.96 |
| 110° | .268 | .536 | .806 | 1.08 | 1.35 | 1.63 | 1.91 | 2.20 | 2.48 | 2.76 | 3.05 | 3.35 | 3.66 | 3.96 |
| 120° | .360 | .721 | 1.08 | 1.45 | 1.82 | 2.19 | 2.57 | 2.95 | 3.33 | 3.72 | 4.11 | 4.50 | 4.91 | 5.32 |

Grades Rec'd

INDEX

| | Pages |
|-------------------------------------------------------------|---------|
| WINONA, ORANGE TO POLK, PROPOSED WATER | 2-6 ✓ |
| ALTADENA, ORANGE TO POLK | 7-9 ✓ |
| POLK AVE, ALTADENA TO POLK | 10-12 ✓ |
| HARBOR DR PL. ORANGE | 13-19 ✓ |
| BETA ST 38 th TO 39 th PALM | 23-25 ✓ |
| BOTTON ST WILLIAMS TO 1 st PALM | 26-29 ✓ |
| EVANS ST 1 st TO IMPERIAL AVE | 30-31 ✓ |
| "F" ST 26 th TO 27 th PALM | 32-35 ✓ |
| "G" ST 28 th TO 30 th PALM | 36-40 ✓ |
| ISLAND 32 nd TO BONAVILLE PALM | 41-42 ✓ |
| ALTADENA ORANGE TO POLK 6" AC MAIN | 47-49 ✓ |
| WINONA, ORANGE TO POLK, 6" WAT | 45-46 ✓ |
| W. LEWIS ST EAGLE ST 135' ELY, 2" COPPER WAT | 47 ✓ |
| JANACHA RD 69 th ST ELY - WAT. METS | 48-49 ✓ |
| COLLEGE RESERVOIR, PROFILE BROKEN 10" CONC. TILE | 50-51 ✓ |
| COLLEGE RESERVOIR, TIES FROM WHY LINE LOT "G" | 52 ✓ |
| POLK AVE, ALTADENA TO 51 st , 6" A.C. WAT | 53 ✓ |
| 52 nd ST, OTILLIE TO POLK, 8" A.C. WAT. | 54 ✓ |
| TOWLE COURT, 52 nd ST WHY TO TERMINUS, 6" AC WAT | 55 ✓ |

6" A.C. MAIN
ALLEY BLK'S 2^d & 10th; N. OF REDWOOD, E. OF 44th ^{alice} 56-58 ✓

CENTRAL AVE; MEADE TO EL CAYON - 6" A.C. MAIN 59 ✓

40th St.; MONROE TO EL CAYON BLVD - 6" A.C. MAIN 60-61 ✓

53rd St. } SE El CAYON to
TEOJAN & PROFILE PROPOSED WATER MAIN 62-66 ✓
^{alice}

B⁵⁶ 28th to 30th 12" AD MAIN 67-70 ✓

E⁵⁷ 26th to 27th AD MAIN 71-73 ✓
^{alice}

COLLEGE RES. Proposed Alignment for Replacement

of 10" CONC DRAIN LINE 74 ✓

& Profile & X-Sections for above 75-77 ✓
^{alice}

COLLEGE RES. ALIGNMENT of DRAIN DITCH
Being Excavated ^{alice} 78 ✓

WINONA AVE.
ORANGE TO POLK
& PROPOSED 6" WATER

7+01.32 Sly prop line Polk

6+94.32 7' offset line

6+61.32 Nly prop line Polk

0+80 = Sly prop line Orange

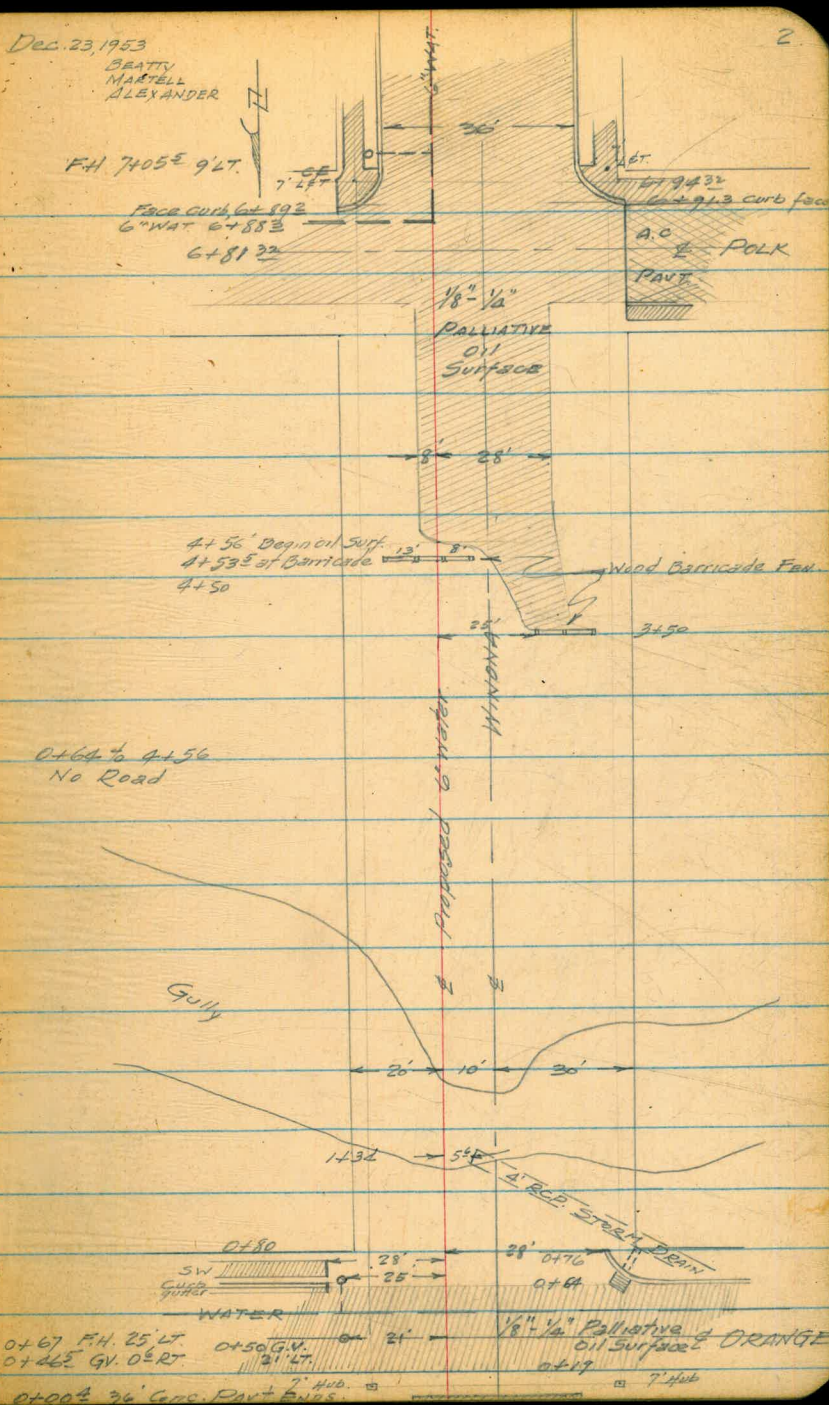
0+00 = Nly prop line Orange

Dec. 23, 1953

BEATTY
MARTELL
ALEXANDER

F.H. 7405 E 9' LT.

FACE CURB 6+89.2
6" WAT 6+88.3
6+81.22



WINONA AVE
ORANGE to POLK,
(Contd)
& Profile

12/23/53

3.

| | | | |
|--------------------|------------------------|--------|-----------------------------|
| BM | 3.51 | 332.29 | 328.75 331.82 |
| 0+00 ⁴⁰ | Edge conc pav't | 2.86 | 329.4 |
| 0+19 | Edge "palliative surf" | 4.5 | 327.8 |
| 0+40 | & Orange Ave | 3.4 | 328.9 |
| 0+50 | | 4.7 | 327.6 |
| 0+64 | Edge "palliative surf" | 5.4 | 326.9 |
| 0+67 | | 5.0 | 327.3 |
| 0+80 | | 5.5 | 326.8 |
| 1+00 | | 5.6 | 326.7 |
| 1+06 | | 5.0 | 327.3 |
| P | 0.39 | 320.58 | 12.10 320.19 |
| 1+15 | | 0.2 | 320.2 |
| 1+25 | | 4.9 | 315.7 |
| | Top Conc STORM DR. | 7.07 | 313.5 |
| 1+37 | | 10.3 | 310.3 |
| 1+50 | & gully | 10.8 | 309.8 |
| 2+00 | | 10.8 | 309.8 |
| 2+20 | | 7.4 | 313.2 |
| 2+40 | | 2.1 | 318.5 |

Spike IN P. Pole #4949 SW Cor. Orange & Winona.
P.P. NE Orange & Winona None here

NOTE: Nails & stakes indicate
City Engrs have X-sections
of this street recently, from
Polk to Orange.

Ely profile LT. RT. Wly prop here

326.9
5.4
30
225.2
7.1
30

317.0
5.3
30
226.7
6

227.3
5.0
30
227.2
5.1
30

327.2
+6.6
30

314.5
6

310.2
10.4
30

E 1+36, 55 RT Top 4' 1.0
P.P. 473 O.D.

316.6
4.0
30

313.6
7.0
30

310.2
10.4
30

310.6
10.0
30

309.5
11.1
30

WINONA AVE
(Cont'd.)

12/23/53

4.

12.23 320.58 0.00 320.58

LT. Fly prop line

2+50 11.9 320.9
2+70 6.5 326.3
2+80 3.8 329.0
3+00 1.2 331.6

315.6
172
130
2.57
15
325.3
6.1
6
326.4
6.1
20
326.7
26
328.0
+1.0
30
331.8

12.12 344.62 0.29 332.52

3+50 8.4 336.2
4+00 3.6 341.0
4+10 2.0 342.6

329.6
3.2
30
336.3
341.4
30
311.8
10
337.9
30
341.6
15
344.6
10
345.2
30
332.3
+3.7
20
336.5
+5.2
30
338.0

9.28 353.58 0.33 344.31

4+18 8.0 345.6
4+25 7.2 346.4
4+30 6.5 347.1
4+35 5.6 348.0
4+50 6.1 347.5

347.0
6.6
30
346.9
6.7
347.4
6.2
22
Edge oil
349.13
27
Conc
S.W.
475
30

4+83
4+85

4.25
30 } Conc
drive
W31
4.24
30

WINONA. Ave
Cont'd

12/23/53

5.

353.58

5+00

5.5

348.1

Conc Drive way { 4.80 349.78
30 349.78
4.80 349.78
30

5.9

5+94

5+02.43

4.15 (on Conc curb)
30

5+39.5

5+50

5+50

4.9

348.7

Conc SW & Drive way { 4.20 349.37
30 349.37
4.21 349.37
30

5.2

348.2

5+36

5+06.5

4.34 348.83
30 348.83
3.18 348.83
30 348.83
4.65 349.06
30 349.06

Conc Drive way

4.52 (on Conc curb)
30

Conc Sidewlk { 4.25 349.34
26.5 349.34
4.24 349.28
26.5

4.9

5+86

5+89

Conc Driveway { 4.30 349.28
30 349.28
4.30 349.36
30

5+91.5

6+00

on Conc curb { 4.22 349.18
30 349.18

6+03

Conc Sidewlk { 4.40 349.18
30 349.18
4.40 349.33
30

6+12

6+14

6+00

5.0

348.6

4.3 349.3
30 349.3

4.9
348.7

4.8 348.8
30 348.8

6+50

5.8

347.8

4.3 348.4
30 348.4

4.9
347.6

5.7 347.9
30 347.9

WINONA AVE
(Cont'd.)

12/23/53

6.

353.58

6+81³² & Paik 6.8 346.8

7+01³ 5/4 prop line Paik 7.9 345.7

Set TBM 7.23 346.35

7 City Eng'g tag SE Cor Paik & Winona.

11 0.68 341.26 13.00 340.58

11 1.60 330.05 12.81 328.45

11 5.19 332.41 2.83 327.22

ck BM. 3.70 328.71 = 328.75 Nail in P. Pole SW Cor Orange & Winona

ALTADENA AVE
ORANGE TO POLK
& PROPOSED 6" WATER

6+96²⁵ Fly prop line Polk

6+76³⁵ & Polk

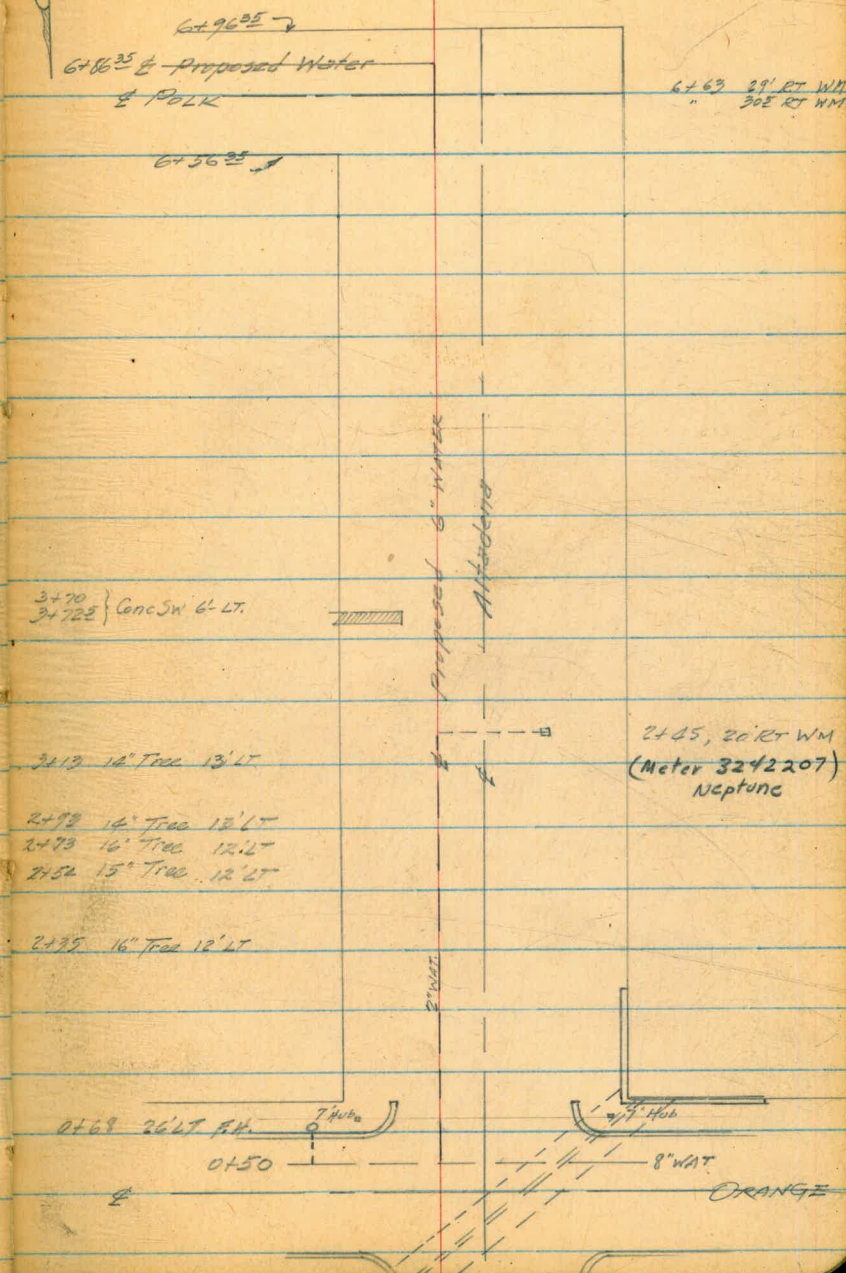
6+56³⁵ = Fly prop line Polk

0+80 Fly prop line Orange

0+00 = Fly prop line Orange

DEC. 23, 1933

Dealy,
Martell,
Alexander



6+63 29' RT WM
30E RT WM

3+70 } Conc Sw 6' LT.
3+72 }

- 2+12 14" Tree 13' LT
- 2+72 14" Tree 12' LT
- 2+73 16" Tree 12' LT
- 2+54 15" Tree 12' LT
- 2+35 16" Tree 12' LT

2+45, 20' RT WM
(Meter 3242207)
Neptune

0+68 26' LT FH
0+50

8" WAT
ORANGE

ALTADENA AVE
ORANGE TO POLK
& Profile proposed Water

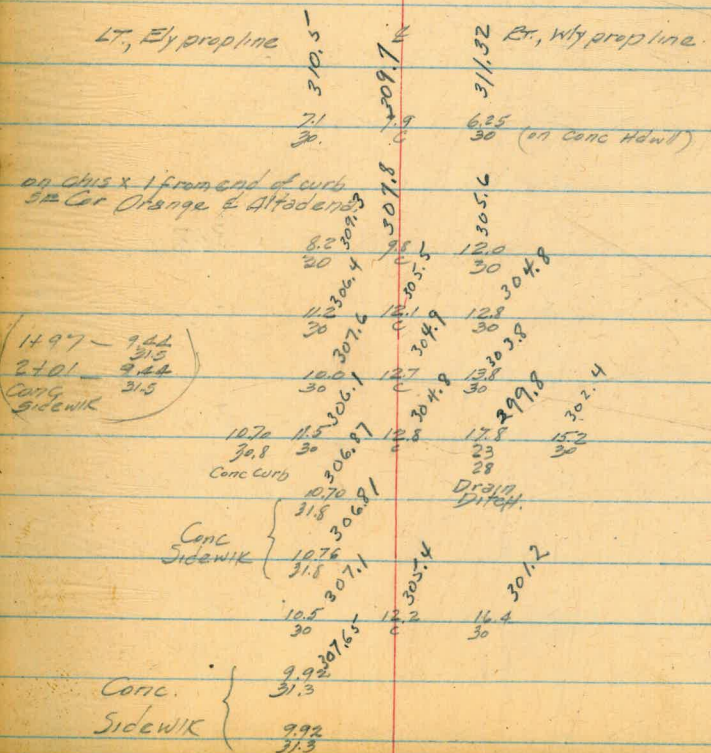
| | | | |
|---------|----------------------|--------|-----------------------------|
| TRIM | 174 | 330.49 | 328.75 |
| OK BM | | 9.87 | 320.62 = 320.87 (5930-W) |
| P | 0.21 | 317.57 | 13.13 317.36 |
| 0+00 | | 5.6 | 312.0 |
| 0+50 | | 6.5 | 311.1 |
| 0+61 | Edge Conc gutter | 6.86 | 310.7 |
| 0+64 | " " | 7.16 | 310.4 |
| 0+67 | Edge " " | 6.96 | 310.6 310.61 |
| 0+80 | Qty prop line Orange | 7.8 | 309.8 |
| SET TBM | | 6.33 | 311.24 |
| 1+00 | | 9.6 | 308.0 |
| +50 | | 11.6 | 306.0 |
| 2+00 | | 12.2 | 305.4 |
| 2+50 | | 12.3 | 305.3 |
| 2+52 | | | |
| 2+50 | | | |
| 3+00 | | 11.9 | 305.7 |
| 3+06 | | | |
| 3+085 | | | |

12/28/53

8.

NAIL IN P. POLE #4909 SW Cor Winona & Orange

Top of curb SE Cor 50th & Orange BP gene.

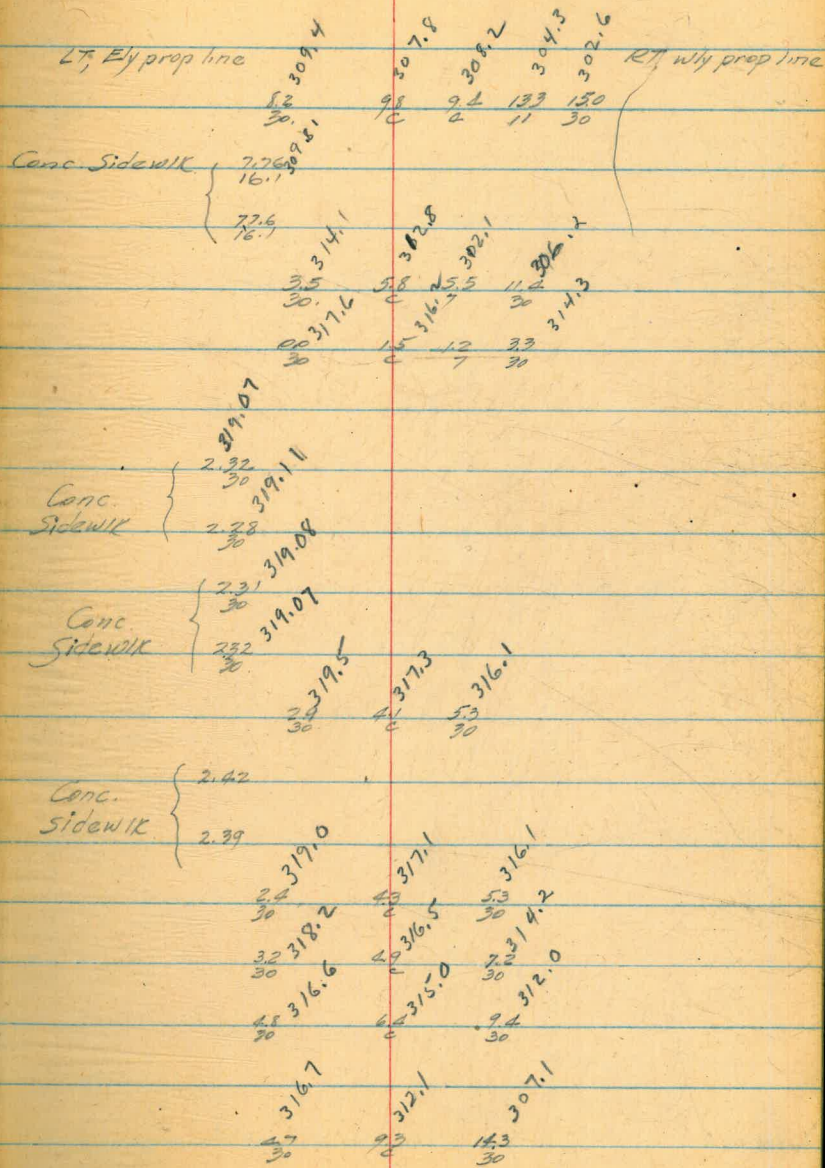


Altadena Ave
(Cont'd)

| | | | |
|---------------------------------------------|--------|--------|-------------|
| | 317.57 | | |
| 3+50 | | 9.9 | 307.7 |
| 3+70 | | | |
| 3+72.5 | | | |
| 4+00 | | 6.0 | 311.6 |
| 4+50 | | 1.2 | 316.4 |
| TP | 4.69 | 321.39 | 0.87 316.70 |
| 4+63 | | | |
| 4+66 | | | |
| 4+80 | | | |
| 4+87 | | | |
| 5+00 | | 4.0 | 317.4 |
| 5+35 | | | |
| 5+38 | | | |
| 5+50 | | 4.2 | 317.2 |
| 6+00 | | 4.6 | 316.8 |
| 6+50 | | 5.7 | 316.1 |
| 6+86 ³⁵ & proposed water POLK | | 8.0 | 313.4 |
| 6+96 ³⁵ sly prop line POLK. | | 7.4 | 314.0 |
| SET TBM | | 4.08 | 317.31 |

12/28/53

9.



NAIL IN PIPE SE Cor. Altadena & Polk

POLK AVE
51ST TO ALTADENA
& PROPOSED 6" WATER

DEC. 28, 1953
2847V
SHARPEY
MARTELL
ALEXANDER

10.

- 3 3+90³⁰ Wly prop. line Altadena
- 3 3+60³⁰ & Altadena
- 3 3+50³⁰ & proposed water on Altadena
- 2 3+30³⁰ Ely prop. line Altadena

4.

4.

4.

4.

4.

4.

5.

5.

5.

5.

6.

6.

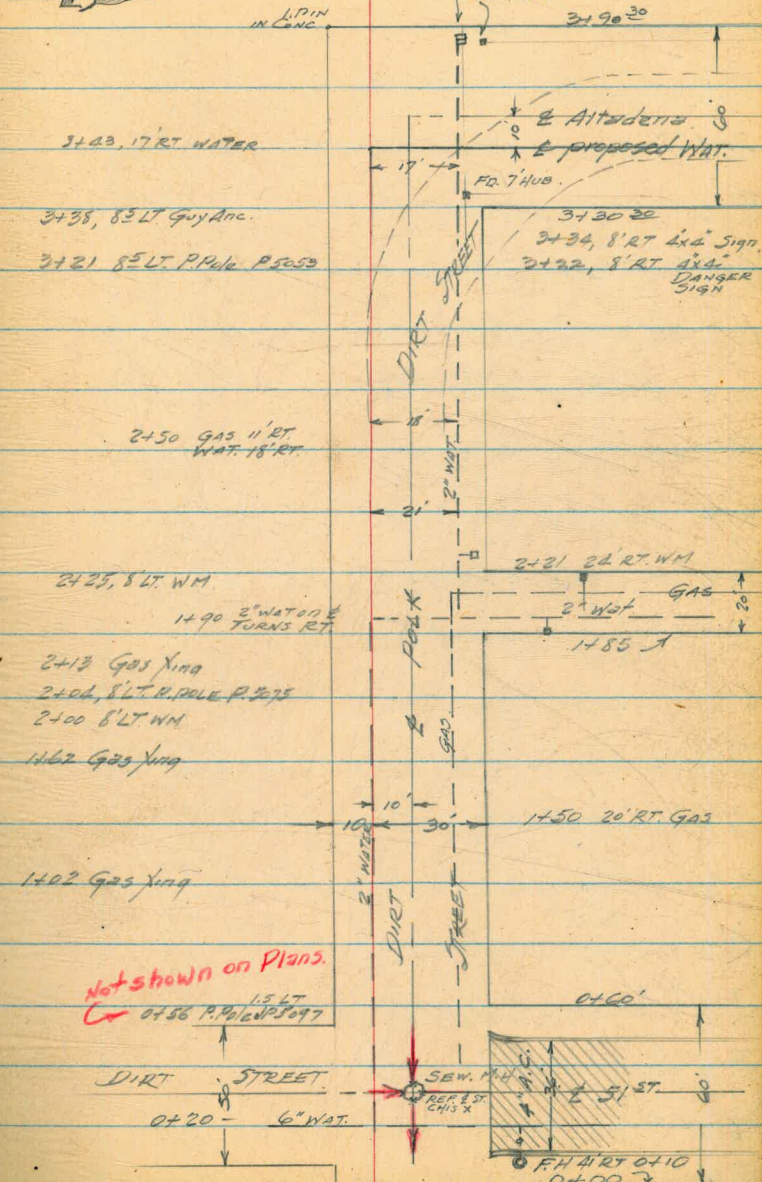
6.

6.

3E.

0+05 Ely prop. line 51ST (Sly.)

0+00 Ely prop. line 51ST (Wly.)



POLK AVE
31ST to Altadena
& Profile proposed Water.

12/28/53

11.

| | | | | |
|---------------------------------------------------|-------|--------|--------|-----------------|
| TBM. | 11.73 | 329.04 | 317.31 | Sec 49.9 |
| SET TBM | | 9.80 | 319.24 | |
| 0+100 | | 9.9 | 319.1 | |
| 0+20 | | 9.2 | 319.8 | |
| S. Rim Sew M.H. | | 8.92 | 320.12 | |
| Inv. 6" Sew (From S&W to E) | | 5.1 | 14.02 | 315.02 |
| | | | | 10' LT. 0+30 |
| 0+44 | | 8.8 | 320.2 | |
| 0+50 | | 7.0 | 322.0 | |
| 0+56 | | 5.3 | 323.7 | |
| 0+75 | | 3.1 | 325.9 | |
| 1+00 | | 2.0 | 327.0 | |
| 1+50 | | 1.0 | 328.0 | |
| 2+00 | | 2.5 | 326.5 | |
| 2+50 | | 5.8 | 323.2 | |
| 3+00 | | 9.8 | 319.2 | |
| 3+50 ² = & proposed water for Altadena | | 15.6 | 313.1 | |
| 3+90 ³ = wly. prop line Altadena | | 20.6 | 308.4 | |
| OK TBM | | 11.73 | 317.31 | |
| TBM | 5.05 | 324.29 | 9.80 | 319.24 |

NAIL IN PIPE. P 5053
SE Cor. Altadena & Polk
End of CURB. NE Cor. 31ST & Polk

NOT USED?

| LT. 34 | RT. 34 | RT. 35 | RT. 36 | RT. 37 | RT. 38 |
|-----------|-----------|----------|-----------|-----------|--------|
| 6.3 10 | 7.0 10 | 8.2 3 | 8.1 10 | | |
| 4.1 10 | 5.3 10 | 5.8 2 | 7.6 3 | 7.8 10 | |
| 2.6 10 | 3.1 10 | 4.1 1 | 6.0 10 | 5.8 10 | |
| 1.4 10 | 2.0 10 | | 2.9 10 | | |

End of CURB. NE Cor. 31ST & Polk

POLK AVE

(Cont'd.)

324.29

IP 0.14 319.70 4.73 319.56

BM 4.13 315.57 = 315.57

12/28/53

12.

Nail in pole E of & 52nd & Polk

BP. NW Cor. UNIV. & 52nd (pg. 6 E.D. 830)

Harbor Dr Pl.
Grades

West
Williams
Varonfolks

12

3/16/54

WINDY

| | 6.93 | 11.78 | 9.85 | |
|----------------------|------|-------|-------|-------------|
| 150+00 | | | 5.8 | 6.0 +2.3 |
| +50 | | | 5.8 | 6.0 +2.4 |
| 151+00 | | | 4.7 | 7.1 +2.6 |
| +50 | | | 4.9 | 6.9 +2.4 |
| 152+00 | | | 4.9 | 6.9 +2.2 |
| +50 | | | 5.0 | 6.8 +2.1 |
| 153+00 | | | 5.3 | 6.5 +2.0 |
| +50 | | | 5.1 | 6.4 +1.8 |
| 154+00 | | | 5.7 | 6.1 +1.7 |
| +50 | | | 6.0 | 5.8 +1.3 |
| 155+00 ⁹² | 6.75 | 11.82 | 6.71 | 5.07 +0.8 |
| | | | 4.96 | 4.86 = 1.85 |
| | | | -0.96 | |

TBM 2000 Man North side Hwy 199+81¹³ Bl

C3 $\frac{7}{6}$

C3 $\frac{6}{5}$

C4 $\frac{5}{5}$ 2" A.V.A

C4 $\frac{5}{7}$

C4 $\frac{7}{7}$

C4 $\frac{7}{5}$

C4 $\frac{6}{4}$

C4 $\frac{4}{5}$

C4 $\frac{5}{3}$

Top 8" water Mold

HARBOR DR. P. 2.

916
96

9.16 + 8.20

- 0.96

136+50 3.9 4.3 -0.3

137+00 4.2 4.0 -1.5

+50 4.8 3.4 -2.8

+75 5.1 3.1 -3.5

138+00 5.1 3.1 -3.5

+25 5.4 2.8 -1.8

+50 5.1 3.1 -1.0

139+00 4.7 3.5 -1.2

8.11 + 0.09 = +0.09

HARBOR DR. P. 2. Cont

7.28 12.13

4.85

155+50 2.1 4.7 -0.2

156+00 2.7 3.4 -1.2

5.04 7.39 9.78 2.35

+50 4.4 3.0 -1.3

157+00 4.8 2.6 -1.5

+50 4.6 2.8 -1.6

158+00 4.9 2.5 -1.8

WEST
WILLIAMS
VARONFARIS

3/18/54

14.

Top 4" Water Main

C 4 $\frac{6}{6}$ C 5 $\frac{5}{5}$ C 6 $\frac{2}{2}$ C 6 $\frac{6}{6}$ C 6 $\frac{6}{6}$ C 4 $\frac{6}{6}$ C 4 $\frac{1}{1}$ C 4 $\frac{7}{7}$

Top 6" Steam Line

3/20/54

IBM Core Mem

C 4 $\frac{2}{2}$ C 4 $\frac{6}{6}$ C 4 $\frac{3}{3}$ C 4 $\frac{1}{1}$ C 4 $\frac{4}{4}$ C 4 $\frac{3}{3}$

Harbor Dr Pl. Cont

West
Williams +
Varontakis
Kellno for +

15.

3/26/64

7.39

| | | | | | |
|------------|------|------|------|-----------------------------------|------------------|
| 158+50 | 4.9 | 2.5 | -1.9 | C 4 ⁴ | |
| 159+00 | 4.9 | 2.5 | -2.0 | C 4 ⁵ | |
| +50 | 4.8 | 2.6 | -2.1 | C 4 ⁷ | |
| 160+00 | 4.6 | 2.8 | -2.2 | C 5 ⁰ | |
| +50 | | | -3.4 | | |
| 160+69 | 5.0 | 2.4 | -2.2 | C 4 ⁶ C 5 ⁸ | |
| 161+00 | 5.1 | 2.3 | -3.6 | C 5 ⁷ 2 | |
| +50 | 5.2 | 2.2 | -3.0 | C 5 | |
| +50 | 5.5 | 1.9 | -2.2 | C 4 ¹ | |
| 162+00 | 5.6 | 1.8 | -2.2 | C 4 ⁰ | |
| +50 | | | -2.7 | | |
| +50 | 5.6 | 1.8 | -2.2 | C 4 ⁰ C 4 ⁵ | |
| +75 | 5.5 | 1.9 | -3.4 | C 5 ³ | |
| 163+00 516 | 4.92 | 5.63 | 1.76 | -3.3 | C 5 ¹ |
| +50 | 5.1 | 1.8 | -3.1 | C 4 ⁹ | |
| 164+00 | 5.0 | 1.9 | -3.0 | C 4 ⁹ | |
| +50 | 5.0 | 1.9 | -2.8 | C 4 ⁷ | |
| 165+00 | 4.9 | 2.0 | -2.7 | C 4 ⁷ | |
| +50 | 4.9 | 2.0 | -2.6 | C 4 ⁶ | |
| 166+00 | 5.0 | 1.9 | -2.4 | C 4 ³ | |
| +50 | 5.0 | 1.9 | -2.3 | C 4 ² | |

HARBOR DR. P. 1.

697

| | | | | |
|------------------------|------|-----|------|-------------------|
| 167+00 | 5.2 | 1.7 | -2.1 | C 3 $\frac{8}{8}$ |
| +50 | 4.9 | 2.0 | -1.9 | C 3 $\frac{9}{9}$ |
| 168+00 | 4.7 | 2.2 | -1.9 | C 4 $\frac{1}{1}$ |
| +25 | 4.5 | 2.4 | -1.8 | C 4 $\frac{2}{2}$ |
| +50 | 4.3 | 2.6 | -1.7 | C 4 $\frac{3}{3}$ |
| 169+00 BK B | 3.7 | 3.2 | -1.6 | C 4 $\frac{8}{8}$ |
| +25 | 2.45 | 3.7 | 3.21 | |
| +50 | 4.0 | 3.5 | -1.5 | C 5 $\frac{0}{0}$ |
| +90 $\frac{28}{28}$ A1 | 4.4 | 3.1 | -1.7 | C 4 $\frac{8}{8}$ |
| 170+00 | 4.4 | 3.1 | -1.8 | C 4 $\frac{9}{9}$ |
| +50 | 4.6 | 2.9 | -1.9 | C 4 $\frac{8}{8}$ |
| 171+00 | 4.8 | 2.7 | -2.0 | C 4 $\frac{7}{7}$ |
| +50 | 5.1 | 2.4 | -2.3 | C 4 $\frac{7}{7}$ |
| 172+00 | 4.9 | 2.6 | -2.6 | C 5 $\frac{2}{2}$ |
| +50 | 5.2 | 2.3 | -3.6 | C 5 $\frac{9}{9}$ |
| +90 $\frac{12}{12}$ A | 5.0 | 2.5 | -4.4 | C 6 $\frac{9}{9}$ |
| 173 +25 | 4.2 | 3.3 | -4.4 | C 7 $\frac{7}{7}$ |
| +50 | 4.1 | 3.4 | -3.8 | C 7 $\frac{2}{2}$ |
| +75 | 4.5 | 3.0 | -2.0 | C 5 $\frac{0}{0}$ |

 WEST
 WILLIAMS
 VARONFAKIS
 KELLHOFER

3/26/54

16.

HARBOR DR. P.L.

7.45

A ⁷³
 173+93 45 30 -2.0
 174+00 45 30 -2.0
 +25 41 34 -2.0
 +50 35 40 -2.4-1.2

8.65 12.77 233 5.12

175+00 8.8 5.0 +0.4
 +50 7.7 6.1 +2.1

176+00 6.3 7.5 +3.3

+50 4.8 9.0 +4.6

177+00 3.5 10.3 +5.3

177+19.09 3.2 10.6 +5.6

2.69 11.08

7.18 12.03 485

149+89¹³ BC 10.1 1.9

150+00 10.0 2.0

+50 10.7 1.3

151+00 11.3 0.7

+50 10.8 1.2

7.18 485 = 185

WEST
 WILLIAMS
 VARONFAKIS
 KELLHOFER

3/26/54

17.

C 5⁰

C 5⁰

C 5²

~~C 4⁴~~ C 5²

~~C 4²~~ C 4⁶

C 4⁰

C 4²

C 4⁴

C 5⁰

C 5⁰

10.98 east Kim spacer MW

Bottom of Trench

" " "

" " "

" " "

" " "

| Harbor Dr | Pt | Grade | Change |
|----------------------|-------|-------|-------------|
| 172+90 ¹⁴ | | | 3.14 |
| 1.22 | 7.36 | | |
| 4.76 | 7.84 | 4.28 | 3.08 |
| 172+90 ¹⁴ | | 12.35 | -4.51 |
| | | 10.45 | -2.61 |
| 173+74 | | 12.26 | -4.42 |
| +30 | | 14.21 | -6.37 |
| 173+63 | | 14.2 | -6.4 |
| 4.30 | 7.35 | 4.79 | 3.05 |
| | | 4.21 | 3.14 = 3.24 |
| 0.59 | 11.57 | | 10.98 |
| 174+20 | | 11.85 | -0.28 |
| +90 | | 9.94 | 1.63 |
| 175+52 | | 10.09 | 1.48 |
| +92 | | 6.44 | 5.13 |
| 176+40 | | 5.59 | 5.98 |
| +50 | | 7.51 | 4.06 |
| | | 3.31 | 8.26 |

WEST
WILLIAMS
KELLHOFER

4.76
9.95
14.21

18.

4/2/54

Top Sewer MH Fall 169+75

Bottom of Trench

Bottom of 4x4 Box Culvert

Bottom of 12" Water Main

Bottom of Trench
End of 9' hand excav trench

Top Sewer MH Hinge & Locust

Bottom of 21" Storm Drain

Bottom 6" Sewer Service

" " " "

Top 1" Gas Serv

Bottom 6" Sewer Serv

Top 6" Water Main

Harbor Dr. Pl. Cont

Final Grade on West
1/2 of Rosecrance

West
Williams
Kullhofer

4/9/54

19.

542 8.47 3.05

TBM

173+43 11 1/2 Bend 1406 -5.60

Bottom of pipe

173+50 1246 -4.0

" " "

+56 11 1/2 Bend 1247 -4.0

" " "

+75 11.06 -2.6

" " "

173+71 11 1/4 Bend 11.36 -2.9

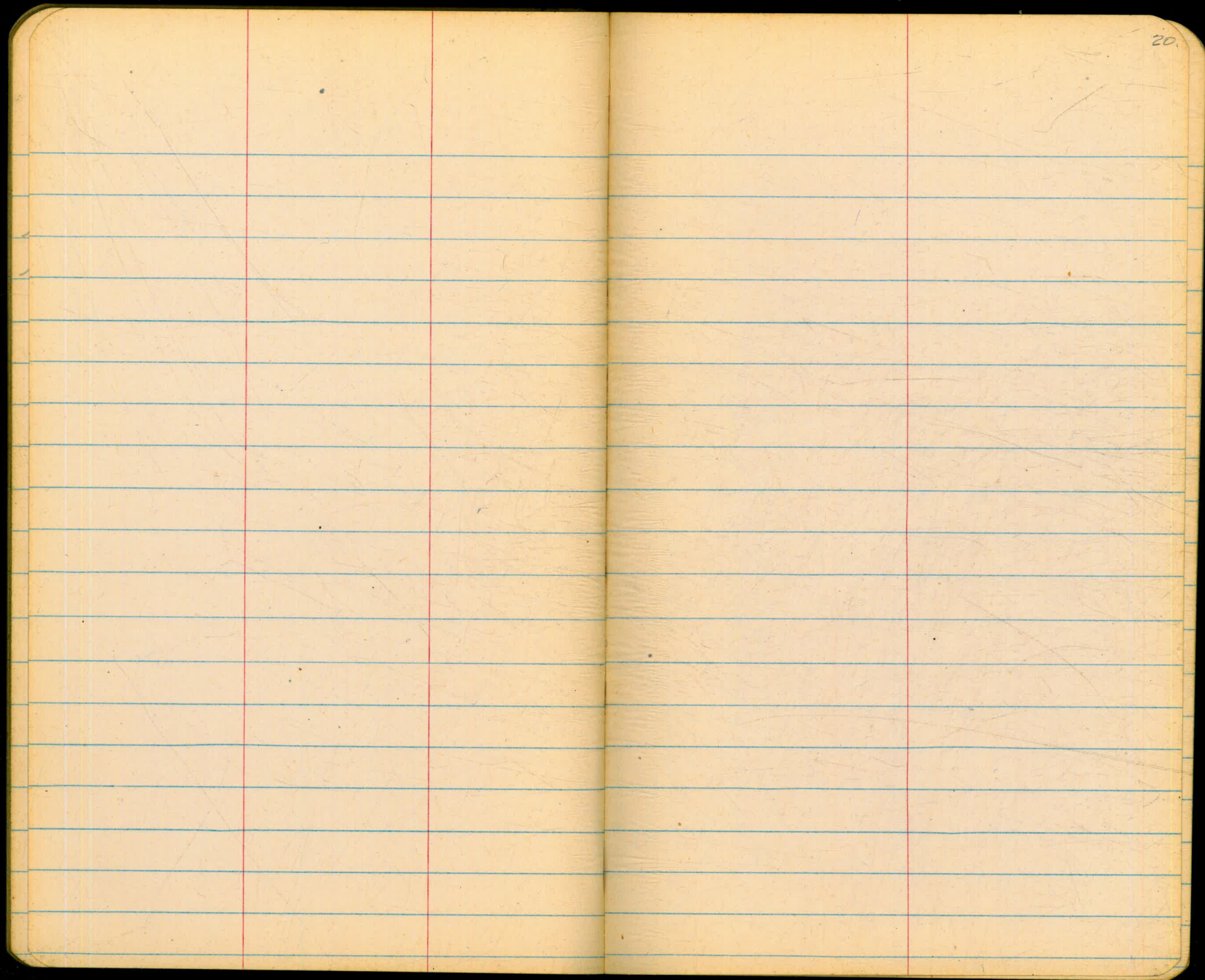
" " "

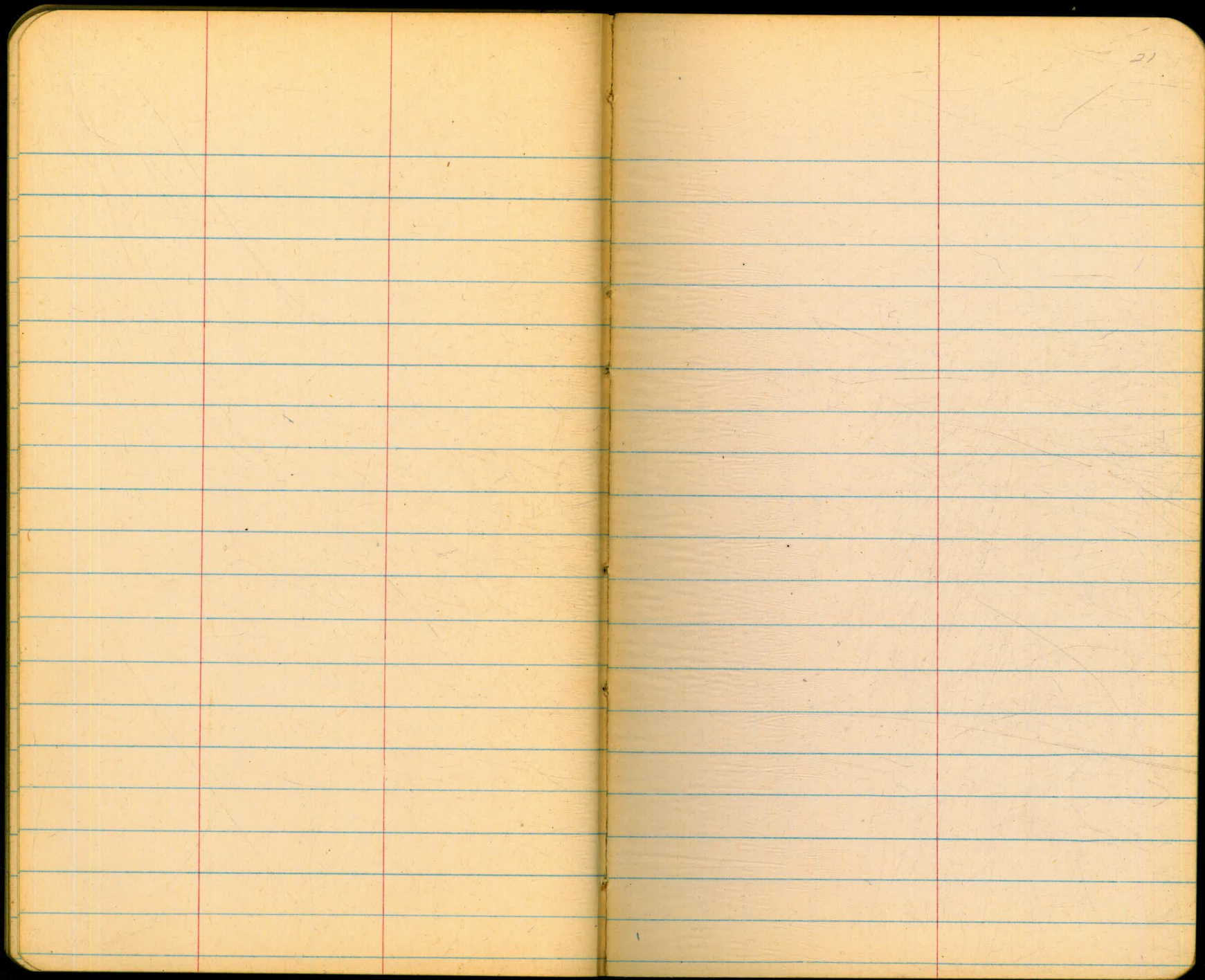
541 3.06 = 3.05

173 +50 Begin 6" pipe falling

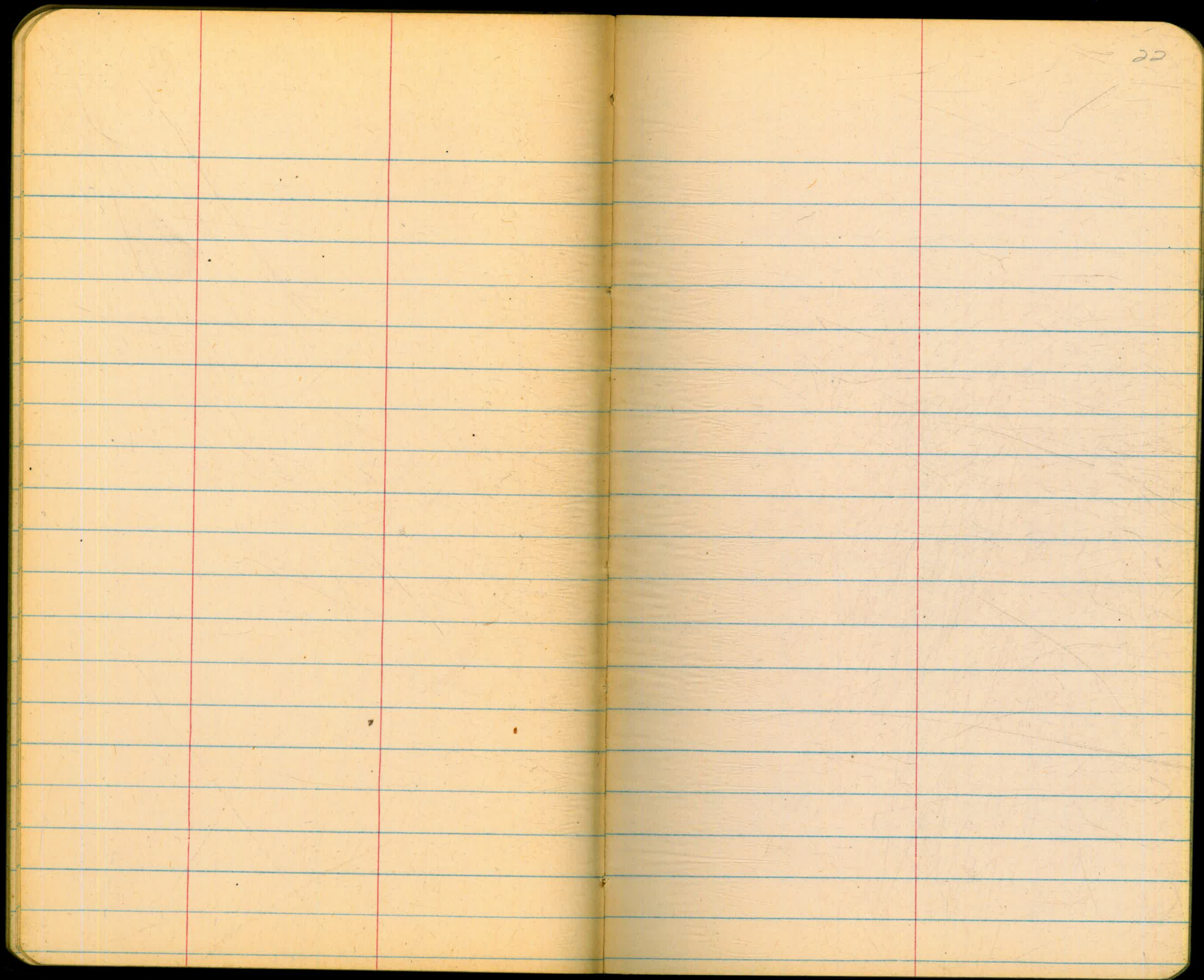
} 25' Below present street

+70 Eng " " "





21



Profile Beta

| | | | |
|------|------|-------|--------------|
| | 3.65 | 14.71 | 11.06 |
| 0+00 | | 5.54 | 8.2 |
| +30 | | 12.8 | To Klow Line |
| +50 | | 4.88 | 9.8 |
| +56 | | 4.89 | 9.8 |
| 1+00 | | 4.4 | 10.3 |
| +50 | | 3.7 | 11.0 |
| 2+00 | | 3.5 | 11.2 |
| +50 | | 3.3 | 11.4 |
| 3+00 | | 2.9 | 11.8 |
| +50 | | 2.3 | 12.4 |
| 4+00 | | 1.1 | 13.6 |

SE. RD 38th + Alpha

West prop line 38th

Sewer MA 10' 10'

edge paving

| | | | | |
|------|-------|-------|------|-------|
| | 12.64 | 27.21 | 0.14 | 14.57 |
| +27 | | 11.5 | | 15.7 |
| +56 | | 4.7 | | 22.5 |
| 5+00 | | 3.7 | | 23.5 |
| | 6.80 | 29.53 | 4.48 | 22.73 |
| +50 | | 8.5 | | 21.0 |

| | | | | | | |
|------|------|------|------|------|--|------|
| | | | | 12.5 | | 10.6 |
| | | | | 10.2 | | 10.8 |
| 11.7 | 10.8 | 8.6 | 5.0 | | | 3.4 |
| 10.4 | 8.4 | 3.2 | 2.2 | | | 10.8 |
| | | 10.0 | 4.4 | | | 10.6 |
| | | 10.2 | 3.2 | | | 10.8 |
| | | 13.6 | 12.8 | 9.6 | | 3.5 |
| | | 10.4 | 8.4 | 3.4 | | 10.8 |

Beta Corib

25

3/24/53

29.53

| | | |
|-------------------|------|------|
| 6+00 | 10.2 | 19.3 |
| +50 | 9.5 | 20.0 |
| 7+00 | 8.3 | 21.2 |
| +19 ⁵³ | 7.7 | 21.8 |

| | | |
|------------|------------|-------------|
| 13.2 | 11.9 | 5.8 |
| <u>177</u> | <u>217</u> | <u>10.8</u> |

| | | |
|------------|-----------|-------------|
| 129 | 125 | 6.1 |
| <u>102</u> | <u>87</u> | <u>10.8</u> |

| | |
|------------|-------------|
| 11.0 | 5.0 |
| <u>104</u> | <u>10.8</u> |

| | |
|------------|-------------|
| 10.7 | 1.0 |
| <u>101</u> | <u>10.8</u> |

east prelin³

1.89 22.33 9.04 20.49

Turn on RT on Mar 3rd 6+76⁵³

5.89 15.49 12.72 9.60

4.49 11.05 = 11.06

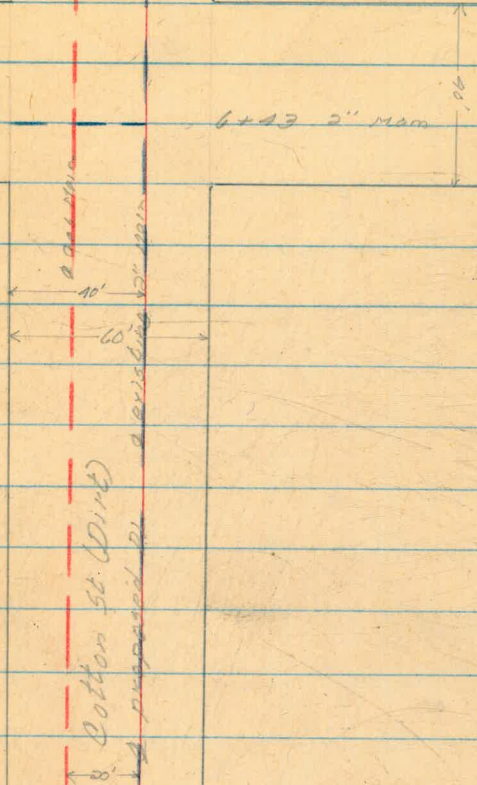
Cotton St
Hilltop Dr to Ast

West
Williams
Vorenfakis
Kullhofer

26
3/25/54

C St (Dirt)

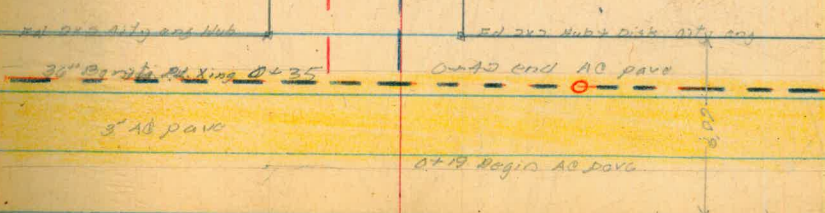
6+43 2" Man



2+58¹² DOT spike P 277637 12' out

Hilltop 30' Dedication 0+00 = 0+30

0+60 north prop line Hilltop



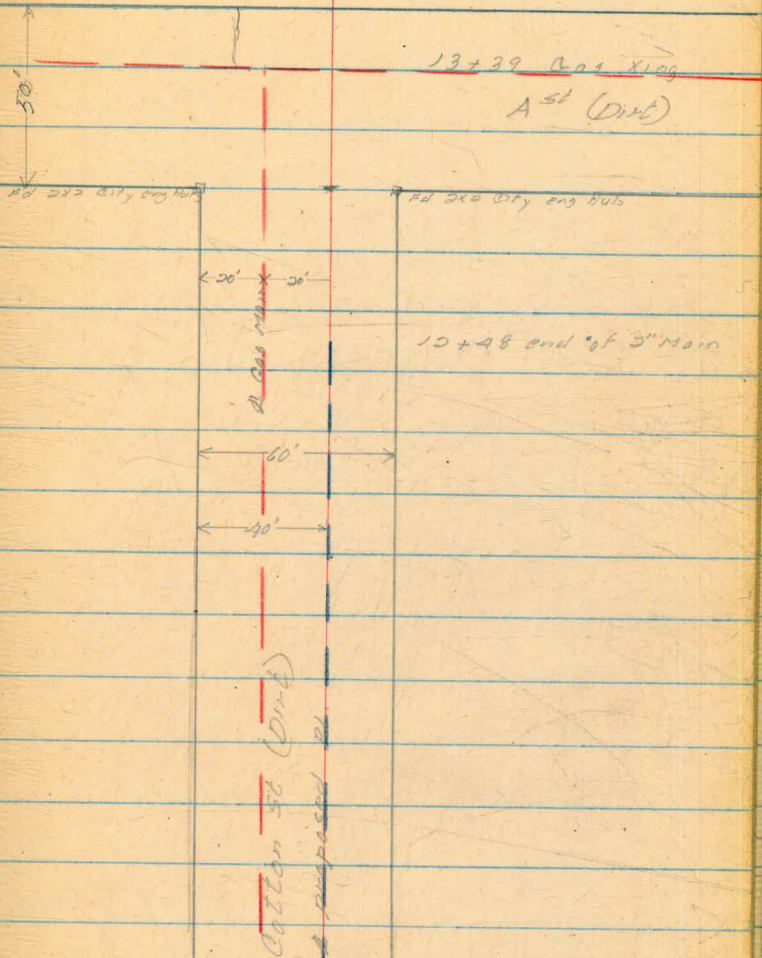
Cotton St (Cont)

13+77 ⁷¹

North prop line Ast

13+27 ⁷¹

South prop line Ast



Cotton St
 Profile

| | | | |
|------|------|--------|--------|
| | 0.47 | 211.11 | 210.64 |
| | 0.61 | 198.93 | 198.29 |
| | 5.13 | 193.45 | 189.32 |
| | 6.35 | 199.47 | 199.12 |
| 0+00 | | 6.5 | 193.0 |
| +19 | | 7.01 | 192.5 |
| +42 | | 7.22 | 192.3 |
| +50 | | 6.7 | 192.8 |
| 1+00 | | 5.2 | 194.3 |
| +50 | | 4.1 | 195.4 |
| 2+00 | | 2.7 | 196.8 |
| +50 | | 1.9 | 197.6 |
| | 2.70 | 200.52 | 197.82 |
| 3+00 | | 2.9 | 197.6 |
| +50 | | 3.7 | 196.8 |
| 4+00 | | 5.5 | 195.0 |
| +50 | | 8.9 | 192.2 |
| 5+00 | | 12.0 | 188.5 |
| | 4.46 | 192.35 | 187.89 |

Lead + Tack 47th + A⁵⁶

South prop line Hilltop
 Begin AC pave
 End AC pave

Turn an spike in Tol pole 22' at 2+58¹³

Cotton St Cont

29

192.35

| | | | | |
|-------|-------|--------|----------|--------|
| 5+50 | | 7.1 | 185.3 | |
| 6+00 | | 9.3 | 183.1 | |
| +50 | | 9.6 | 182.8 | |
| 7+00 | | 8.8 | 183.6 | |
| +50 | | 7.1 | 185.3 | |
| 8+00 | | 5.3 | 187.1 | |
| +50 | | 4.2 | 188.2 | |
| 9+00 | | 2.7 | 189.7 | |
| +50 | | 0.9 | 191.5 | |
| | 12.75 | 204.83 | 0.27 | 192.08 |
| 10+00 | | 11.7 | 193.1 | |
| +50 | | 9.5 | 195.3 | |
| 11+00 | | 7.5 | 197.3 | |
| +50 | | 5.2 | 199.6 | |
| 12+00 | | 3.1 | 201.7 | |
| +50 | 11.15 | 215.81 | 1.1 | 203.7 |
| | | | 0.14 | 204.69 |
| 13+00 | | 10.21 | 205.6 | |
| +50 | | 8.3 | 207.5 | |
| +77 | | 7.3 | 208.5 | |
| | | 51.9 | 210.62 = | |

North prop line A7

210.64

Evans St

"I" St to Imperial

A+60¹⁰

South prop line Imperial

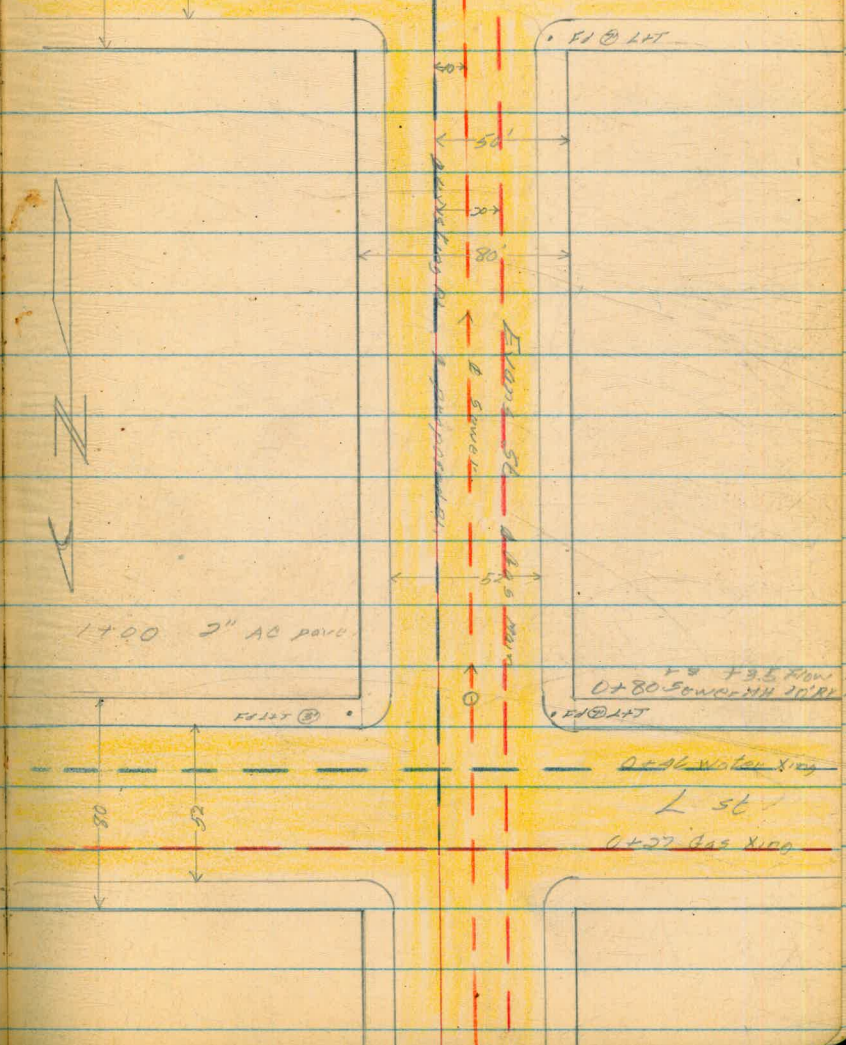
West
Williams
Varonakis
Kollhofer

30

Note pipe finder does not seem to work on this street

4x17 35" AC over 6" core
4x13 AC ring

Imperial Ave



FI @ LHT

Evans St
B Sewer

1700 2" AC pipe

0+80 Sewer 24" RI

0+73 DOT

0+00

North prop line "I" St

2x46 water line

L 56

0+27 gas line

Evans St
Q Profile

| | | | |
|------|------|-------|-------------------|
| | 0.69 | 78.15 | 77.46 |
| 0+00 | | 1.54 | 76.61 |
| +50 | | 2.83 | 75.32 |
| +80 | | 3.43 | 74.72 |
| | | | +3.5 To Flank |
| 1+00 | | 4.05 | 74.1 |
| +50 | | 5.53 | 72.62 |
| 2+00 | | 6.70 | 71.45 |
| +50 | | 7.71 | 70.44 |
| 3+00 | | 8.54 | 69.61 |
| +50 | | 9.45 | 68.70 |
| 4+00 | | 9.99 | 68.16 |
| +50 | | 10.43 | 67.72 |
| +60 | | 10.43 | 67.72 |
| | | | +5.6 To Flow Line |
| +60 | | 10.58 | |
| | 0.68 | 77.97 | = 77.46 |

31

NE BP 27th + 1

North prop line 2" st

Top east rim sewer MH 10' RL

South prop line

Top east rim sewer MH 10' RL

"F" St 26th to 27th

6+82.5
23
8+51.25

7+21.25

east prop line 27th

5+00 POT Spike



1+21.20 POT Spike

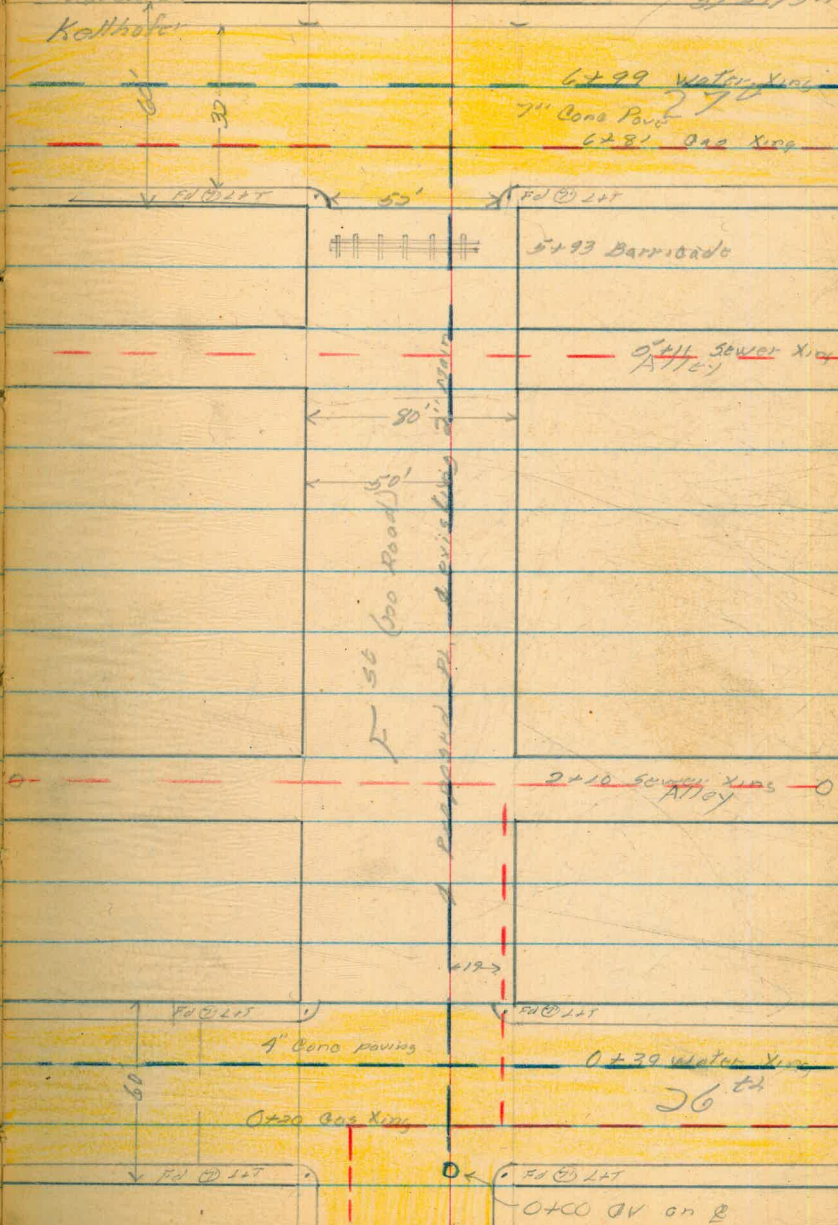
0+00

West Prop Line 26th St

West
Williams
Varanfakis
Kellhofer

32

3/22/54



F 56

Profile

| | | | |
|------|-------|--------|--------|
| | 12.58 | 190.70 | 178.12 |
| 0+00 | | 14.3 | 176.4 |
| +10 | | 14.4 | 176.3 |
| +20 | | 13.1 | 177.6 |
| +30 | | 12.5 | 179.2 |
| +41 | | 8.1 | 182.6 |
| +56 | | 6.2 | 184.5 |
| +70 | | 4.2 | 186.5 |
| +80 | | 4.4 | 186.3 |
| 2+00 | | 12.3 | 178.4 |

| | | | | |
|------|------|--------|-------|--------------|
| | 5.26 | 182.99 | 12.97 | 177.73 |
| | | | | 3.8 to flow |
| 2+10 | | | 3.79 | |
| | | | | +8.1 to flow |
| 2+10 | | | 12.58 | |
| +20 | | | 5.6 | 177.4 |
| +34 | | | 12.7 | 170.3 |

| | | | | |
|------|------|--------|-------|--------|
| | 0.81 | 171.26 | 12.54 | 170.45 |
| +50 | | | 4.1 | 167.2 |
| 3+00 | | | 12.5 | 158.8 |

0.29 158.59 12.91 158.35

33

3/29-154

170.16

NW BP 26th + F 51West prop line 26th

Butter

East edge cone

| | |
|-------|------|
| 11.4 | 10.8 |
| 10.22 | 3.22 |

Top North sewer MH 181' RT

Top South edge sewer MH 200' LT

| | | | |
|-------|-----|------|-------|
| 7.8 | 7.0 | 4.3 | 4.3 |
| 10.22 | 2.2 | 5.22 | 10.51 |

| | | | |
|------|--------------|-------|--------------|
| | 158.59 | | |
| 3+22 | | 1.9 | 157.7 |
| | 0.53 146.62 | 12.50 | 146.09 |
| +50 | | +0.1 | 146.7 |
| 4+00 | | 12.4 | 134.2 |
| | 5.92 139.68 | 12.86 | 133.76 |
| +48 | | 11.3 | 128.4 |
| +50 | | 11.8 | 127.9 |
| +52 | | 12.5 | 127.2 |
| +54 | | 11.9 | 127.8 |
| +60 | | 8.4 | 130.3 |
| 5+00 | | 6.1 | 133.6 |
| +20 | | 4.3 | 135.4 |
| 5+11 | | 11.70 | +3.5 To Flow |
| | | 0.77 | |
| | 12.24 151.82 | 0.10 | 139.58 |
| +50 | 0 | 4.9 | 146.9 |
| | 12.58 164.14 | 0.26 | 151.56 |
| 5+93 | | 5.0 | 159.1 |
| 6+00 | | 4.0 | 160.0 |

BOTTOM CREEK creek runs Southeast

P.O.T.

1.9

4.2

10' LT

10' RT

North run

TAP SEWER M.H.

1+82 RT

nail in power pole

F^{5t} Cont

35

1641A

10.30 173.98 0.46 163.68

6+50 6.1 167.9

+61 5.38 168.6

Begin cone paving

7+00 4.90 169.1

+06 4.90 169.1

Bottom of ch

106⁺ 4.14 169.8

Top of ch

3.70 170.28 = 170.16

NW 80 272 + F.

G⁵⁶ 28th to 30th

West
Williams
Varon Parks
Kellhofer

3/30/59 36

29th St No Road

60'

Dirt Road

50'

40'

3+40 start of main 1942

G⁵⁶

Alley

2+86 54 POT

2+10 Barricade

(No Road)

1+38 72 POT

0+38 PV on 0

5" AC pave

28th St

0+16 Bas Main Xing

0+00

West prep line 28th St

0+00 = 0-40
1+00 = 0+60

0+08 Sewer Xing

Qst Cont

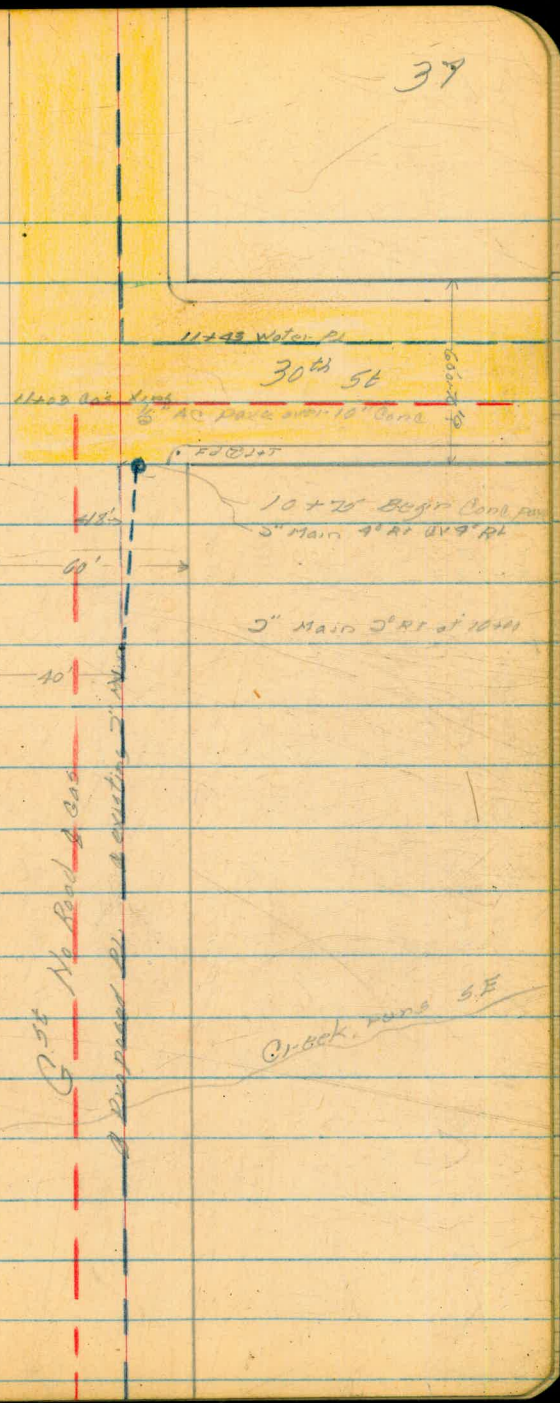
37

92
48
50

10-82

10+75 West prop line 30th

6+00 POT



Qst 28th to 30th

Q Profile

38

3/30/54

| | | | |
|-------|--------|-------|--------|
| 0.27 | 176.32 | | 176.05 |
| 0.48 | 163.74 | 13.06 | 163.26 |
| 0.19 | 151.09 | 12.79 | 150.95 |
| 0.71 | 138.88 | 12.92 | 138.17 |
| 1.84 | 127.68 | 13.04 | 125.84 |
| 0+00 | | 5.93 | 121.8 |
| +48 | | 6.17 | 122.5 |
| +50 | | 4.5 | 123.2 |
| 11.37 | 137.85 | 1.20 | 126.48 |
| +60 | | 13.3 | 124.6 |
| +79 | | 3.7 | 134.2 |
| +96 | | 2.9 | 135.0 |
| 1+00 | | 2.7 | 135.2 |
| 12.50 | 149.87 | 0.48 | 137.37 |
| +50 | | 3.2 | 146.7 |
| 12.83 | 162.10 | 0.30 | 149.57 |
| 2+00 | | 4.0 | 158.4 |
| 6.16 | 162.85 | 0.71 | 161.69 |
| +50 | | 3.5 | 164.4 |

NEBP 28th + Qst

West prop line 28th &

East edge AC paving

Turn on Top of FH NE 28th & 10

124.
10' RT

+1.7
10' RT

1.3
10' RT

13.5
10' RT

9.8
10' RT

5.1
10' RT

Local
Spill Pile
From house
excavation

| | | | |
|------|--------|--------|--------|
| | 167.85 | | |
| 3+00 | | 0.8 | 167.1 |
| +50 | | 0.7 | 167.2 |
| 4+00 | | 2.7 | 166.2 |
| +50 | | 10.0 | 157.9 |
| | 0.15 | 155.51 | 12.99 |
| | | | 155.36 |
| 5+00 | | 1.4 | 151.1 |
| +50 | | 9.1 | 146.4 |
| +61 | | 12.4 | 143.1 |
| +75 | | 13.1 | 142.4 |
| | 0.90 | 143.30 | 12.61 |
| | | | 142.90 |
| +89 | | 6.3 | 137.0 |
| 6+00 | | 7.8 | 135.5 |
| | 0.51 | 131.90 | 12.41 |
| | | | 130.89 |
| +25 | | 1.5 | 129.9 |
| +40 | | 7.9 | 123.5 |
| +50 | | 12.4 | 118.0 |
| +62 | | 16.1 | 116.3 |
| +82 | | 15.7 | 115.7 |
| 7+00 | | 16.0 | 115.4 |

$$\frac{11.7}{10.15}$$

$$\frac{12.0}{9.24}$$

$$\frac{13.4}{10.87}$$

$$\frac{13.8}{10.15}$$

$$\frac{13.5}{10.87}$$

creek bottom creek runs SE

Q⁵⁰ profile (Cont)

40

3/30/54

131.40

7+80 15.1 116.3

+50 15.3 119.1

8+00 3.2 128.2

12.57 14 3.33 0.58 130.82

+50 3.9 139.4

11.93 157.96 0.30 148.03

9+00 7.4 147.6

+50 4.6 150.4

+79 3.9 151.1

10+00 6.1 148.9

+50 5.6 149.4

+75 3.84 151.2

Begin AC + Conc paving

1.32 151.58 4.20 150.26

6.93 144.65 = 144.74 Top FH 5% Cor 30" + Marked

Island St
32nd to Bancroft

4+25⁺

East prop line Bancroft

3+98 POT spike

2+57⁹² POT

0+53 POT

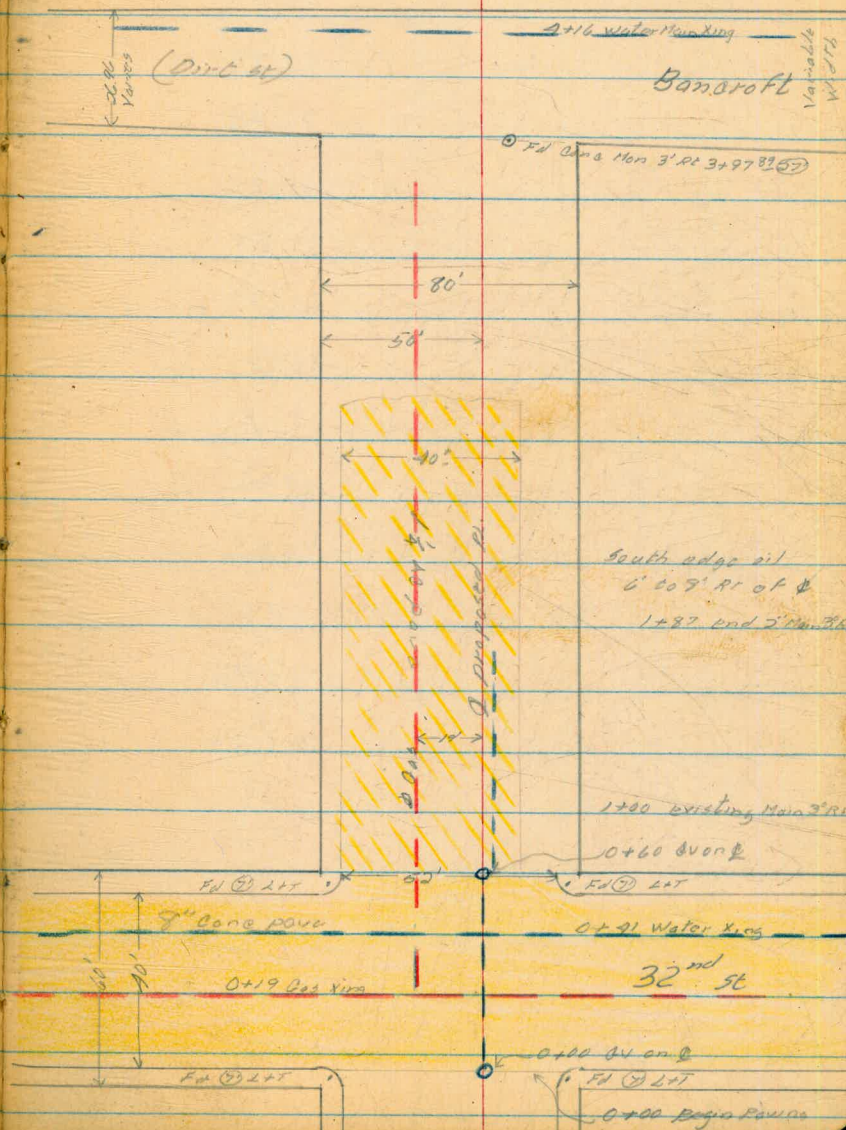
0+00

West prop line 32nd

West
Williams
Varonakis
Kullbaker

41

3/31/53



Island 56 32nd
to Baneroff
Q profile

| | | | |
|-------|-------|-------|---------------|
| 5.60 | 87.62 | 82.02 | |
| 0+00 | | 5.30 | 82.32 |
| +50 | | 5.14 | 82.48 |
| 1+00 | | 4.76 | 82.86 |
| +50 | | 4.25 | 83.37 |
| 2+00 | | 3.41 | 84.21 |
| +50 | | 3.10 | 84.52 |
| 3+00 | | 4.27 | 83.35 |
| +50 | | 9.23 | 78.39 |
| +62 | | 11.36 | 76.26 |
| 3.66 | 78.30 | 12.98 | 74.64 |
| 4+00 | | 6.4 | 71.90 |
| +25 | | 10.1 | 68.20 |
| 10.97 | 88.66 | 0.61 | 77.69 |
| | | 6.55 | 82.01 = 82.02 |

42

SW NW @ L+T 32nd + Island

West prop line 32nd

end AQ pave

Albadeno Ave
 Orange to Polk
 Stks for 6" AC Main

West
 Williams
 Kellhofen

43

6/17/53

| | | | |
|------|-----------------|-------------------------|----------------------|
| 206 | 312.67 | 310.61 | |
| 0+50 | Exist 8x6 cross | 1.6 | 311.1 307.2 |
| 0+55 | 6" G.V. CITY | 1.6 | 311.1 306.8 |
| 1+00 | | 4.7 | 308.0 305.3 304.8 |
| +50 | | 6.6 | 306.1 303.4 302.9 |
| 1+95 | | 5.4 | 307.3 305.7 |
| 2+00 | | 7.1 | 305.6 304.4 |
| +44 | | 6.7 | 306.0 305.2 |
| +45 | | 10.7 10.9 | 303.8 304.5 |
| +50 | | 7.2 | 304.5 300.6 |
| 3+00 | | 6.8 | 305.9 301.8 |
| +06 | | 5.7 | 307.0 306.3 |
| 3+50 | | 5.3 | 307.4 303.6 |
| 3+50 | | 4.1 | 308.6 308.4 |
| +75 | | 3.4 | 309.3 305.2 |
| 4+00 | 9.52 | 321.84 | 0.35 312.32 307.2 |
| 4+23 | | | 5.8 316.0 312.8 |
| +50 | | | 5.3 316.5 309.0 |
| +96 | | | 3.8 318.0 313.8 |
| 5+00 | | | 4.5 317.3 309.2 |

C 3⁹
 C 2³
 C 2² C 3²
 C 2⁷ C 3²
 C 1⁶ Wat Met East
 C 4²
 C 0⁸ Wat Met East
 T 2⁷ F 2⁵ Wat Met West { Moved out to R, out of wash.
 C 3⁹
 C 4¹
 C 0⁷ Wat Met East
 C 3⁸
 C 0² Wat Met East
 C 4¹
 C 5¹
 C 3² WATER METER EAST 4137 ALTAR
 C 7⁵
 C 1⁵ Wat Met East
 C 8¹

321.84

| | | | | | |
|----------------|----------------|------------------|------------------|---------------------|-------------------|
| 5+31 | 3.8 | 319.0 | 314.0 | C4 ⁰ | Wat Mat East |
| +50 | 4.8 | 317.0 | 309.5 | C7 ⁵ | |
| +90 | 4.9 | 317.4 | 314.3 | C3 ¹ | Wat Mat East |
| 6+00 | 5.2 | 316.6 | 309.7 | C6 ⁹ | |
| +60 | 5.5 | 316.3 | 310.1 | C6 ³ | FH Dec |
| +50 | 5.2 | 314.6 | 314.6 | C20, C65 | (5) FH |
| 6+50 | 9.6 | 312.2 | 313.6 | F1 ² | Wat Mat Wed |
| +65 | 10.4 | 311.4 | 313.7 | F2 ³ | " " " |
| +80 | 7.8 | 314.0 | 310.4 | C3 ⁶ | End of work |
| | 4.54 | 317.30 | | 317.51 | Nail in PP |

NOTE:-

FH Relocated
3427 Polk Ave
Pipeline
See pg. 53

WINONA AVE
 ORANGE TO POLK
 @ GRDS for 6" A.C.
 CITY FORCES W.O #

JUNE 23 1954
 BEATTY
 JAMES
 ALEXANDER

45

| | | | | | | | | |
|------|-------|------------------|-------|--------|---------------|-----|-----------|--|
| BM | 0.10 | 328.85 | | 328.75 | | | | |
| | | 6" G.V. Bottom | 4.62 | 324.23 | | | | |
| 0454 | | Existing 6" G.V. | 1.4 | 327.5 | 324.2 | C33 | | |
| 0490 | (4) | | 2.0 | 326.9 | 324.2 | C27 | | |
| 1+00 | (4) | | 1.8 | 327.1 | 324.2 | C29 | | |
| 1+00 | (10) | | 1.9 | 327.0 | 324.2 | C28 | | |
| TD | 3.39 | 320.26 | 11.98 | 316.87 | | | | |
| 1+35 | (10) | Top 48" RCP. | 9.5 | 310.8 | | | | |
| | | | 6.72 | 312.52 | Bottom 308.73 | | 4.80 O.D. | |
| 1+50 | (10) | | 9.4 | 310.9 | | | | |
| 2+00 | (10) | | 7.2 | 313.1 | | | | |
| TD | 13.10 | 332.02 | 1.34 | 318.92 | | | | |
| 2+50 | (10) | | 6.7 | 325.3 | | | | |
| 3+00 | (4) | | 0.47 | 331.55 | 328.3 | C33 | | |
| | 12.97 | 342.52 | | | | | | |
| 3+00 | (10) | | 12.6 | 331.9 | 328.3 | C36 | | |
| 3+50 | (4) | | 8.1 | 336.4 | 333.2 | C32 | | |
| 3+50 | (10) | | 6.4 | 338.1 | 333.2 | C49 | | |
| 4+00 | (4) | | 2.7 | 341.8 | 339.6 | C22 | | |
| 4+00 | (10) | | 1.1 | 343.4 | 339.6 | C38 | | |
| TD | 10.07 | 353.52 | 1.07 | 343.45 | | | | |
| 4+50 | (4) | | 5.9 | 347.6 | 343.3 | C42 | | |

Spoke in pole SW Cor Orange & Winona 17.3

}
 LEFT OUT
 UNTIL FILL
 IS MADE

WINONA AVE
(Cont'd.)

6/23/54

46

353.52

| | | | | | |
|-------------------|----------------|---------------------|---------------|--------|-----|
| 4+50 | ⑩ | 6.6 | 346.9 | 343.3 | C36 |
| 5+00 | ⑨ | 5.4 | 348.1 | 344.5 | C36 |
| 5+50 | ⑧ | 4.8 | 348.7 | 344.4 | C33 |
| 6+00 | ⑦ | 4.8 | 348.7 | 344.3 | C44 |
| 6+50 | | 5.7 | 347.8 | 343.5 | C43 |
| 6+84 ³ | Existing gw | 6" Top 6" Bottom | 9.77 10.37 | 343.15 | |
| 6+84 ³ | ④ | 7.0 | 346.5 | 343.2 | C32 |

WATER METERS

| | | | | | | |
|------|---|------|--------|--------|------------------------------------------------|----------------------|
| 4+92 | E | 5.6 | 347.9 | 348.5 | F06 | 4127 Winona |
| 5+22 | E | 5.0 | 348.5 | 348.6 | F04 | 4119 Winona |
| 5+79 | E | 4.2 | 349.3 | 348.4 | C09 | 4115 & 4111 Winona |
| 6+19 | E | 4.7 | 348.8 | 347.9 | C09 | 4095 & 4091 Oakcrest |
| OK | | 7.10 | 346.42 | 346.35 | 7' CE TIE RT SE COR PARK & WINONA pg. 6. | |

W. LEWIS ST.
EAGLE ST. 135' EN
④ GRD. 3 for 2" (Copper) WATER

City Forces W.O. # 1225

| | | | | | | |
|-------|---------|-------------------------|-------|--------|-------|------------------------|
| BM | 6.43 | 269.98 | | 263.55 | | NW CP EAGLE & STOCKTON |
| | | B _o H 2" GV. | 4.80 | 265.2 | 265.8 | |
| 0+51 | 2" GV | | 2.32 | 267.66 | 262.0 | C25 |
| 0+75 | | | 3.02 | 266.96 | 263.2 | C38 |
| 1+00 | | | 5.6 | 264.4 | 260.7 | C37 |
| 1+50 | | | 10.8 | 259.2 | 255.7 | C35 |
| TP | 3.75 | 261.42 | 12.31 | 257.67 | | |
| 2+00 | | | 5.1 | 256.3 | 250.7 | C56 |
| 2+15 | 2" B.O. | | 8.6 | 252.8 | 249.2 | C36 |
| TP | 12.56 | 270.23 | 3.75 | 257.67 | | |
| CK BM | | | 6.68 | 263.55 | | |

WATER METERS

| | | | | | | |
|----------|--------|-----|-------|-------|-----|-----------|
| | 269.98 | | | | | |
| 1+17 Nov | | 6.1 | 263.9 | 262.6 | C13 | EAGLE |
| 1+80 Nov | 261.42 | 4.4 | 257.0 | 256.6 | C14 | 614 LEWIS |
| 1+84 So | | 3.2 | 258.2 | 256.0 | C13 | 613 " |

June 29 1954

Easton
Sperry
Alexander

47.

JAMACHA ROAD
 69TH ST. Ely to Hermasillo Manor
 (2) GRDS for Existing WAT METS

(City Forces) W.O. 46211

July 6, 1952
 Beath
 Shorey
 Alexander

28.

B.M. 3.53 273.97 270.44
 1st Peak 0.01 263.90 10.08 263.89
 1st Peak 1.63 256.11 9.42 254.48

OP Nly, end of curb, Wly Line Hermasillo Manor

0+00 = Wly E 69TH & Jamacha

| | | | | | | | |
|----------|---------------------|--------|-------------|-------|------|------------------|---------|
| 0+63 N | 8.1 | 248.0 | 247.1 | CO9 | ? | 69 TH | |
| 0+66 N | | | 247.1 | | ? | 69 TH | |
| 0+67 N | 8.0 | 248.1 | 247.1 | C12 | ? | 69 TH | |
| 0+79 S | 8.5 | 247.6 | 246.8 | CO8 | 6905 | Jamacha | |
| 1+12 Nor | 7.6 | 248.5 | 248.1 | CO4 | 555 | 69 TH | |
| 1+74 So | 6.7 | 249.4 | 249.1 | CO3 | 6915 | Jamacha | |
| 2+38 Nor | 4.4 | 251.7 | 251.4 | CO3 | ? | " | |
| 2+74 So | 4.5 | 251.6 | 251.6 | CO2 | 6921 | " | |
| 2+75 So | 4.1 | 252.0 | | CO4 | 6935 | " | |
| 3+34 Nor | 2.1 | 254.0 | 253.5 | CO5 | 6944 | " | |
| 3+68 Nor | 1.7 | 254.4 | 254.1 | CO3 | 6946 | " | |
| 4+77 Ja | 8.90 | 263.38 | 1.63 254.48 | 255.2 | CO3 | 6965 | |
| 5+07 Nor | 2 nd cut | 6.2 | 257.2 | 256.5 | CO7 | ? | Flicker |
| 5+47 Nor | 2 nd cut | 5.5 | 257.9 | 257.2 | CO7 | ? | Flicker |
| 5+48 Nor | " | 5.1 | 258.3 | " | C12 | ? | " |
| 5+49 Nor | " | 5.1 | 258.3 | " | C11 | ? | " |
| 5+63 So | 6.0 | 257.4 | 256.6 | CO8 | 6971 | Jamacha | |

Jamacha Road
(Cont'd)

7/6/52

49

263.38

| | | | | | | | | |
|---------|------|-------|------|--------|-------|-----|------|---------|
| 5+72 | Nor. | | 5.0 | 258.0 | 257.4 | C06 | 557 | Flicker |
| 6+10 | Nor. | | 4.4 | 258.8 | 258.0 | C08 | 6976 | Jamacha |
| 6+69 | So. | | 4.7 | 258.7 | 258.4 | C03 | 6979 | " |
| 7+02 | Nor. | | 2.6 | 260.8 | 259.6 | C12 | 6988 | " |
| 7+37 | So. | | 3.5 | 259.9 | 259.5 | C04 | 6987 | " |
| TP 8+20 | Nor. | 10.43 | 2.62 | 260.76 | 261.8 | C15 | 7002 | " |
| 8+50 | So. | | 7.8 | 263.4 | 261.4 | C03 | 7007 | " |
| | | | 9.5 | 261.7 | | | | |
| 8+77 | Nor. | | 7.3 | 263.9 | 262.5 | C14 | 7012 | " |
| 8+82 | So. | | 9.3 | 261.9 | 261.9 | C00 | 7011 | " |
| 9+33 | So. | | 8.2 | 263.0 | 262.8 | C02 | 7019 | " |
| | | | | | | | 7035 | " |
| 9+82 | Nor. | | 6.4 | 264.8 | 264.2 | C06 | 7032 | " |
| 10+36 | So. | | 6.3 | 264.9 | 264.4 | C05 | | |
| 10+74 | Nor. | | 4.1 | 267.1 | 265.8 | C13 | 7040 | " |
| 11+38 | Nor. | | 3.2 | 268.0 | 266.7 | C13 | 7050 | " |
| 12+24 | Nor. | | 2.0 | 269.2 | 267.3 | C17 | 7068 | " |
| 13+05 | Nor. | | 0.6 | 270.6 | 267.6 | C30 | 7108 | " |
| 14+04 | Nor. | 4.44 | 2.21 | 268.98 | | | 7128 | " |
| | | | 3.5 | 269.9 | 267.9 | C20 | | |
| 14+85 | Nor. | | 3.7 | 269.7 | 268.2 | C15 | 7136 | " |
| 15+60 | So. | | 5.6 | 267.8 | 267.8 | C00 | 7149 | " |
| 16+36 | So. | | 6.3 | 267.1 | 268.2 | F1- | 7159 | " |
| 18+39 | Nor. | | 3.2 | 270.2 | 270.0 | C02 | 7206 | " |
| 19+00 | So. | | 1.9 | 271.5 | 270.4 | C1- | 7219 | " |
| CR 19M | | | 2.97 | 270.45 | | | | |

COLLEGE RESERVOIR
(ELEVATED TANK)
Profile of BROKEN 10" Conc. Pipe DRAIN

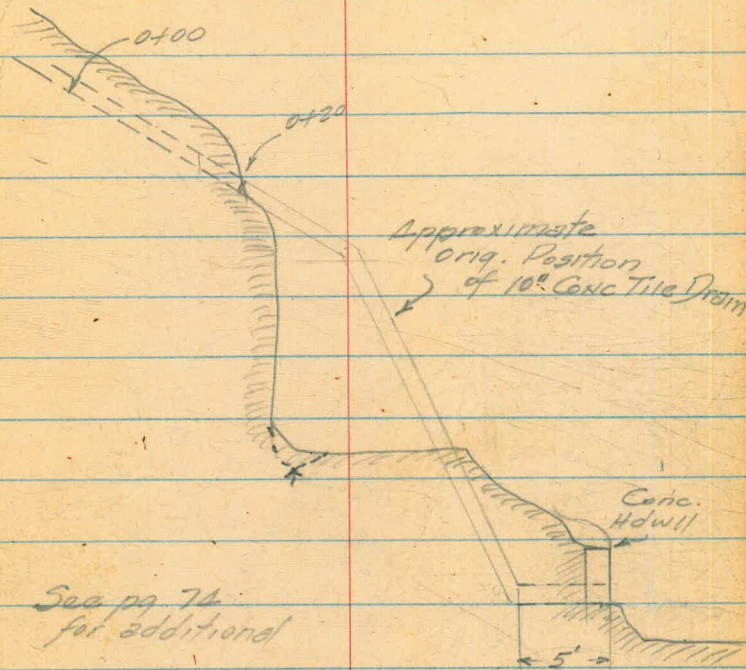
| | | | | |
|------------|------------------------|--------|-------|--------|
| Assumed BM | 13.31 | 213.31 | | 200.00 |
| IP | 7.92 | 221.10 | 0.13 | 413.18 |
| IP | 0.88 | 418.39 | 2.79 | 415.21 |
| 0+00 | GROUND LINE & pipe | +10.5 | | 428.9 |
| 0+00 | # 10" TILE | +8.9 | | 427.3 |
| 0+18 | Ground line & pipe | +1.0 | | 419.8 |
| 0+20 | # 10" Conc TILE. | 0.83 | | 417.56 |
| 0+23 | | 3.4 | | 415.0 |
| 0+25 | | 9.1 | | 409.3 |
| 0+28 | | 9.8 | | 408.6 |
| 0+42 | | 10.1 | | 408.3 |
| 0+48 | | 11.9 | | 406.5 |
| IP | 0.03 | 405.57 | 12.85 | 405.54 |
| 0+58 | on Hdwl | 4.0 | | 401.6 |
| IP | 1.23 | 401.23 | 5.57 | 400.00 |
| 0+58 | Outlet # 10" Conc pipe | 3.36 | | 397.87 |
| 0+59 | | 4.9 | | 396.3 |
| 0+67 | | 5.4 | | 395.8 |
| 0+75 | | 4.9 | | 396.3 |
| 1+00 | | 5.0 | | 396.2 |
| 1+50 | | 4.7 | | 396.5 |
| 1+58 | | 3.1 | | 396.1 |

7/12/25 54

Beatty
Sherod
Alexander.

50

□ on Hdwl of 10" Conc. DRAIN.



College RES
(Cont'd.)

401.23

| | | |
|---------------|------|--------|
| 1+66 | 9.7 | 391.5 |
| 1+68 | 7.7 | 393.5 |
| 1+83 | 8.2 | 393.0 |
| 1+95 | 8.8 | 392.4 |
| 2+00 | 8.4 | 392.8 |
| 2+10 | 9.6 | 391.6 |
| 2+20 | 9.6 | 391.6 |
| 2+25 } water | 9.6 | 391.6 |
| 2+40 | 5.8 | 395.4 |
| 2+50 | 3.5 | 397.7 |
| OK Assumed BM | 1.23 | 400.00 |

7/12/54

51

COLLEGE RESERVOIR
 TIES FROM WLY LINE LOT G
 TO 10" CONC TILE DRAIN LINE

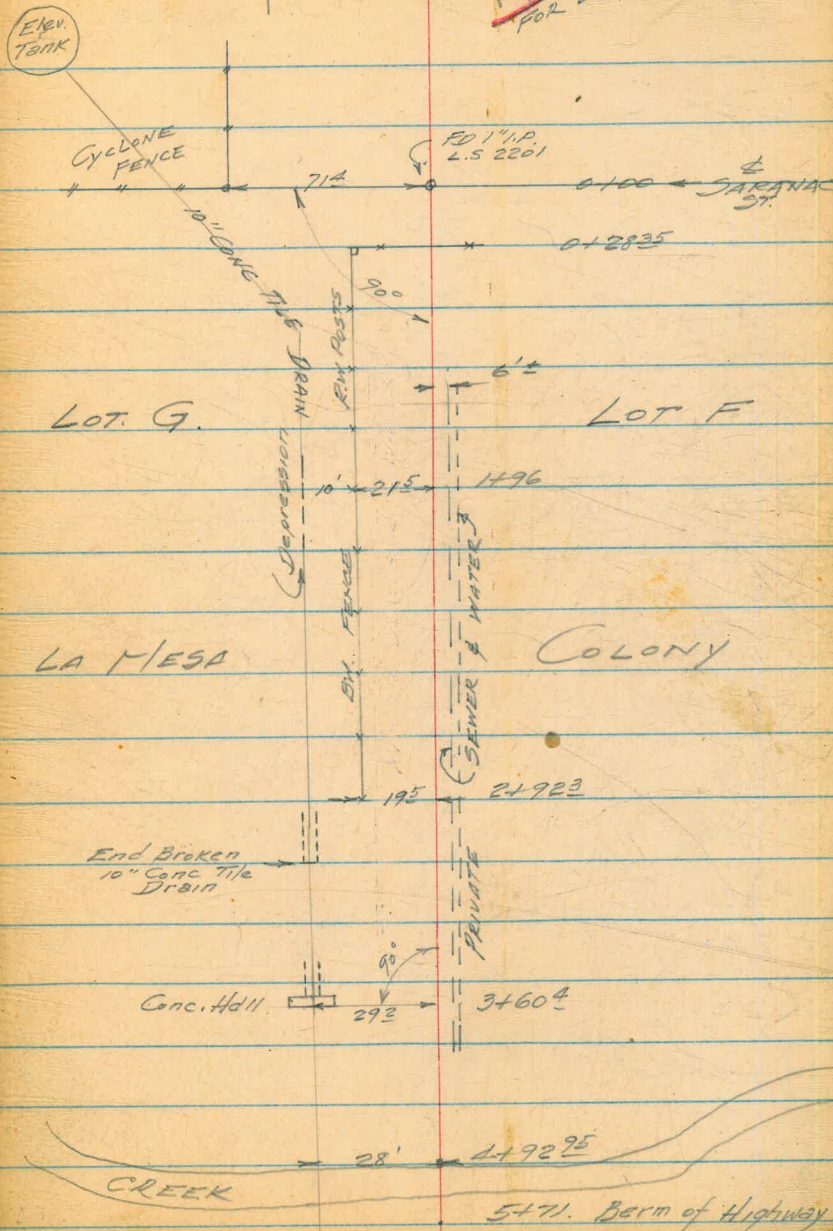
July 14 1952

Boyd
 Sporey
 Marshall
 Alexander

SEE ALSO
 Pg. 74

FOR LATER WORK

52.



POLK AVE
Altadena to 51st
⑤ GDS FOR 6" A.C. WATER

7/12/54

53

| | | | | | | | |
|--------|-------|--------------------------|-------|----------|--------------------------------------|-----------------------------|-------------------------------------|
| TOM | 10.71 | 329.95 | | 319.24 | | End curb NE Cor 51st & Polk | see pg. 11 this book |
| 0+20 | | 6" Tepping TEE (CITY) | | | | | |
| 0+25 | | 6" GV. City | 9.7 | 320.3 | 316.2 317.1 | C72 C41 = | 320.0 18.0 |
| 0+50 | | | 7.2 | 322.8 | 316.2 319.1 | C52 C66 | 321.7 8.0 |
| 1+00 | | | 2.4 | 327.6 | 320.0 322.4 | C52 C76 | 29 |
| 1+25 | | | 2.1 | 327.9 | 321.0 323.5 | C74 C69 | 22 |
| 1+75 | | | 2.1 | 327.9 | 321.0 323.5 | C74 C69 | 23 |
| TP | 0.90 | 327.88 | 2.97 | 326.98 | | | |
| 2+00 | | | 1.2 | 326.7 | 321.0 322.6 | C74 C57 | 12 |
| 2+25 | | | 2.9 | 325.0 | 320.5 321.5 | C77 C45 | 29 |
| 2+50 | | | 4.7 | 323.2 | 318.4 319.1 | C74 C48 | 48 |
| 3+00 | | | 8.9 | 319.0 | 314.5 | C45 | 93 |
| 3+27 | | FH TEE | 11.9 | 316.0 | 312.2 | C38 | 112 |
| ⑤ | | FH | 11.5 | 316.4 | 315.7 | C97, C42 | |
| 3+50.5 | | | | | | | |
| 3+45 | | 6"-9" Bend | 12.5 | 312.4 | 310.4 | C32 | |
| CK TOM | | | 10.58 | 317.30 = | 317.31 | Nail in Pole 85 LT 3421 | |

WATER METERS

| | | | | | | |
|--------|------------|-----|-------|-------|-----|-----------------|
| 1+71 N | (N 329.95) | 2.6 | 327.4 | 325.6 | C18 | 5076 POLK |
| 2+01 S | " | 3.0 | 327.0 | 325.4 | C16 | 5073-75-77 POLK |
| 2+21 N | (N 327.88) | 1.6 | 326.3 | 324.6 | C17 | 5066 " |
| 2+25 S | | 2.9 | 325.0 | 324.4 | C06 | 5063 " |
| 2+86 S | | 8.2 | 319.7 | 319.8 | F01 | 5061 " |

52nd ST.
 OTTILLIE PLACE TO POLK
 ⑤ Grds for 8" AC. WATER

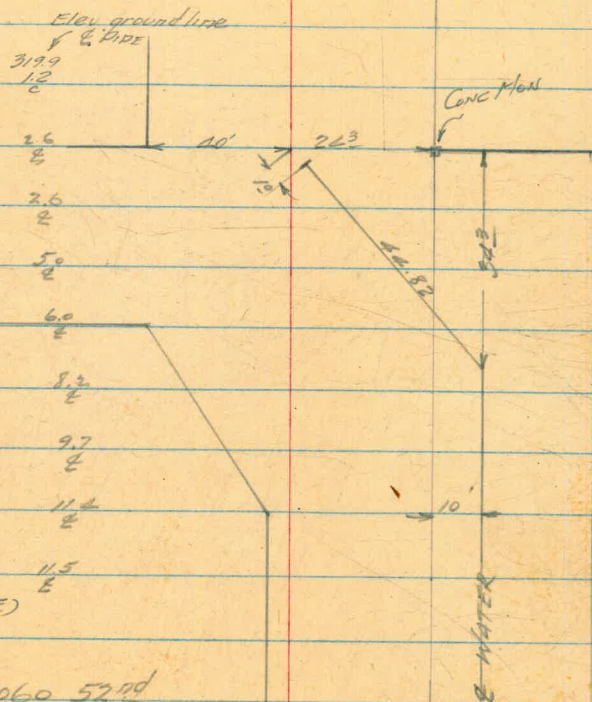
July 13, 1954
 BEATTY
 STORREY
 MARTELL
 ALEXANDER

54.

T&M. 1.49 321.05 319.56

NAIL IN RR ELY 52 & POLK SEE PG. 12

| | | | | | | |
|-------------------------|----------------------|------|-----------------|-------|---------------|------------------------------------------|
| 3+50 ⁸² | 8" CAP. 3" B.O. | 0.6 | 320.5 | 314.8 | C57 | 3199 12 |
| 3+06 3+05 | 15° Bend | 2.6 | 318.5 | 313.6 | C51 | 26 2 |
| 3+00 | | 2.8 | 318.3 | 313.2 | C51 | 2.6 2 |
| 2+50 | | 4.8 | 316.3 | 311.5 | C48 | 5.2 |
| 2+00 | | 6.1 | 315.0 | 309.9 | C51 | 6.0 2 |
| 1+50 | | 8.1 | 313.0 | 308.3 | C47 | 8.2 2 |
| 1+00 | | 9.2 | 311.9 | 306.6 | C53 | 9.2 2 |
| 0+50 | | 10.4 | 310.7 | 305.0 | C57 | 11.4 2 |
| 0+20 | 8" G.V. | 11.2 | 309.9 | 303.6 | C63 | 11.5 2 |
| 0+16 | 8x6 TEE | | 309.2 | 303.8 | C54(B) C57(E) | |
| 0-05 | 6" G.V. | | 308.5 | 303.8 | C47 | |
| 0+45 | END WORK | | 310.1 | 304.2 | C59 | |
| 1+05 W. | WATER MET | 8.4 | 312.4 | 311.1 | C13 | 4060 52 nd |
| 1+60 W. | (325' out from pipe) | 7.0 | 313.8 | 313.1 | C07 | 4068 " |
| 2+22 W. | (375' out from pipe) | 5.5 | 315.6 | 315.0 | C06 | 4076 " |
| 2+60 W. | (465' out from pipe) | 4.2 | 316.6 | 316.0 | C06 | ? Polk |
| CK T&M. | 138 320.94 | 1.49 | 319.56 | | | Nail in pole |
| CK BM (CITY) | | 1.23 | 319.71 = 319.67 | | | Conc. Men N line Polk & 52 nd |



TOWLE COURT
 52nd ST. WLY. TO TERMINUS
 ⑤ GRDS FOR 6" A.C. WATER

July 12 1954
 BEATTY
 SADDEN
 HARTELL
 ALEXANDER

55.

| | | | | | | | |
|-----------------------|--------------|--------|--------|--------|---------------------------|-----------------------------------------------|-----|
| T&M | 1.14 | 338.81 | | 337.67 | | | |
| ²⁵ 0+23 | 6" G.V. City | | 5.0 | 333.8 | 330.2 330.6 | C32 | C36 |
| 0+50 | | | 49 | 333.9 | 330.2 330.6 | C33 | C37 |
| 1+00 | | | 5.5 | 333.3 | 328.6 | C47 | |
| 1+50 | | | 72 | 331.6 | 326.6 | C50 | |
| 2+00 | | | 91 | 329.7 | 324.5 | C52 | |
| 2+50 | | | 12.0 | 326.8 | 322.5 | C43 | |
| 3+00 | 2" B.O. | | 14.0 | 324.8 | 320.5 | C43 | |
| CK T&M | | 2.99 | 335.82 | | = 335.82 | SW. Cor 121.5' x 25' RT 0+00 (FB. 875 pp. 14) | |

WATER METERS

| | | | | | | | |
|-----------|--|--|------|-------|-------|-----|--|
| 2+04.50 | | | 9.3 | 329.5 | 328.1 | C14 | |
| 2+98.50 | | | 13.9 | 324.9 | 324.3 | C06 | |
| 2+98. Non | | | 13.0 | 225.8 | 324.9 | C09 | |

ALLEY BUX'S 2 1/2' 10
 N. of Redwood; E. of 44th
 ⑤ Grd. For 6" A.C. Main

8/30/59
 Shorey
 Martel
 Alexander

36

| | | | | | |
|------|-------|--------------------|-------|--------|-----------------------------------|
| TBM | 0.30 | 295.57 | | 295.27 | |
| 0+60 | | | 5.1 | 290.2 | 284.9 c ₅ ⁸ |
| 1+00 | | | 9.9 | 286.3 | 281.8 c ₄ ⁵ |
| TP | 0.53 | 283.00 | 13.10 | 282.47 | |
| 1+50 | | | 4.1 | 278.2 | 276.3 c ₂ ⁶ |
| 2+00 | | | 7.4 | 275.6 | 271.0 c ₄ ⁶ |
| TP | 8.46 | 278.78 | 12.88 | 270.12 | |
| 2+50 | | | 9.4 | 269.4 | 265.8 c ₃ ⁶ |
| 2+75 | | | 10.9 | 267.9 | 264.5 c ₃ ⁴ |
| 3+00 | | | 10.0 | 268.8 | 265.4 c ₃ ⁴ |
| 3+50 | | | 6.6 | 272.2 | 268.4 c ₃ ² |
| TP | 11.75 | 290.94 | 0.59 | 278.19 | |
| 4+00 | | | 7.8 | 283.1 | 273.2 c ₉ ² |
| 4+50 | | | 1.3 | 289.6 | 286.2 c ₉ ² |
| TP | 12.80 | 303.53 | 0.21 | 290.73 | |
| 5+00 | | | 6.8 | 296.7 | 289.1 c ₇ ⁶ |
| TP | 11.77 | 315.28 | 0.02 | 303.51 | 298.0 c ₅ ⁵ |
| TP | 7.82 | 322.87 | 0.30 | 314.98 | |
| 6+00 | | | 8.0 | 314.9 | 306.7 c ₈ ³ |
| 6+25 | | | 8.8 | 314.1 | 309.0 c ₅ ⁴ |
| 6+50 | | | 9.1 | 313.8 | 309.4 c ₄ ⁴ |
| 6+85 | | G.V. S. of Reducer | 9.4 | 313.5 | 309.6 c ₃ ² |
| 6+90 | | 2- 6"x4" Reducers | 9.1 | 313.8 | 309.7 c ₄ ⁴ |
| 7+00 | | | 8.6 | 314.3 | 309.8 c ₄ ⁴ |
| 7+25 | | | 8.9 | 314.0 | 310.0 c ₄ ⁰ |

Paved Road

1/2" I. Pin Prop. Cor. 15' at. 0+00 - F.B. 876-33

ALLEY BLK'S 2910
(Cont'd)

322.87

| | | | | | |
|-----------|--------------|--------|--------|------------------|----------------------------------|
| 7+50 | | 6.5 | 316.4 | 310.4 | C6E |
| 8+00 | | 4.9 | 318.0 | 312.4 | C5E |
| 8+50 | | 4.3 | 318.6 | 314.9 | C4E |
| <u>TT</u> | 12.73 | 335.53 | 0.07 | 322.80 | |
| 9+00 | | 11.0 | 324.5 | 317.2 | C5E |
| 9+25 | | 9.0 | 326.5 | 321.2 | C4E |
| 9+50 | | 6.9 | 328.6 | 323.0 | C5E |
| 10+00 | | 5.0 | 330.5 | 325.8 | C4E |
| 10+50 | | 3.7 | 331.8 | 327.6 | C4E |
| 11+00 | | 2.4 | 332.9 | 327.0 | C5E |
| 11+50 | | 1.9 | 333.6 | 327.0 | C6E |
| 11+75 | | 1.9 | 333.6 | 327.0 | C6E |
| 12+00 | | 2.7 | 332.8 | 326.4 | C6E |
| 12+50 | | 6.8 | 328.7 | 325.0 | C3E |
| 12+75 | | 7.9 | 327.6 | 324.4 | C3E |
| 13+00 | | 6.8 | 328.7 | 325.4 | C3E |
| | | | | 324.4 | C2E |
| 13+41 | G.V. By City | 1.2 | 334.3 | 330.4 | C3E + |
| | | 0.99 | 334.54 | = 334.54 | ON STA. 0+50 E Nail F. 8876 - 31 |

ALLEY BLK'S 2 & 10
(Cont'd)

WAT. METS.

| | | | | | |
|---------|--------|------|--------|----------------|-----------------------------------|
| 0+82 W. | 295.57 | 2.7 | 272.9 | 287.4 | C 5 ^E |
| 1+28 W. | 278.78 | 5.5 | 290.1 | 283.0 | C 7 ^L |
| 3+31 W. | | 6.0 | 272.8 | 271.7 | C 1 ^L |
| 3+27 E | 290.99 | 8.8 | 270.0 | 272.1 | F 2 ^L |
| 3+22 E | | 9.3 | 281.6 | 276.7 | C 4 ² |
| 4+40 E | 303.53 | 1.9 | 289.0 | 282.5 | C 6 ⁵ |
| 4+75 E | | 11.4 | 292.1 | 287.8 | C 9 ³ |
| 5+39 E | 315.28 | 1.5 | 302.0 | ✓ 302.6 | C 2 ² |
| 5+93 E | 322.87 | 0.30 | 315.0 | ✓ 308.5 | C 6 ⁵ |
| 6+16 E | | 7.5 | 315.4 | 312.2 310.8 | C 6 ⁶ C 2 ^L |
| 6+29 W | | 9.5 | 313.4 | 312.8 311.6 | C 8 ⁸ C 0 ⁶ |
| 6+47 E | | 9.0 | 313.9 | 313.0 312.5 | C 9 ⁹ C 0 ⁹ |
| 7+70 W | | 7.3 | 315.6 | 315.0 | C 0 ⁶ |
| 7+72 W | | 7.1 | 315.8 | 315.1 | C 0 ⁷ |
| 7+85 E | | 5.4 | 317.5 | 315.8 | C 1 ² |
| 8+03 W | | 6.7 | 316.12 | 315.9 | C 0 ³ |
| 8+09 W | | 6.4 | 316.5 | 316.2 | C 0 ³ |
| 8+35 E | | 5.1 | 317.8 | 317.4 | C 0 ⁴ |
| 8+54 W | | 4.3 | 318.6 | 318.4 | C 0 ² |

322.87

| | | | | | |
|-------------------------------------|--------|------|-------|-------|------------------|
| 8+57 E | 335.53 | 3.8 | 312.7 | 312.0 | C 1 ^L |
| 9+11 W | | 10.6 | 324.9 | 324.2 | C 2 ^L |
| 9+34 E | | 8.5 | 327.0 | 326.2 | C 0 ⁸ |
| 9+52 W | | 7.2 | 328.3 | 327.0 | C 1 ³ |
| 9+76 E | | 6.2 | 329.3 | 328.7 | C 0 ⁶ |
| 9+92 W | | 5.9 | 329.6 | 329.5 | C 0 ¹ |
| 10+15 E | | 4.6 | 330.7 | 331.4 | C 0 ⁵ |
| 10+44 W | | 4.6 | 330.9 | 330.7 | C 2 ² |
| 10+68 E | | 3.5 | 332.0 | 331.2 | C 0 ⁸ |
| 10+92 W | | 3.2 | 332.3 | 331.2 | C 1 ^L |
| 11+21 E | | 2.1 | 333.4 | 331.9 | C 2 ⁰ |
| 11+31 W OUT: House Moved | | | | | |
| 11+41 W | | 2.5 | 333.0 | 331.9 | C 1 ⁶ |
| 11+57 W | | 2.1 | 333.4 | 331.5 | C 1 ² |
| 11+73 E | | 1.9 | 333.6 | 331.7 | C 1 ² |
| 12+16 W | | 3.4 | 331.9 | 331.7 | C 0 ² |
| 12+20 E | | 2.7 | 332.6 | 332.0 | C 0 ⁶ |
| 12+51 E | | 6.8 | 329.7 | 332.1 | F 3 ^L |
| 12+55 W Omit | | 8.8 | 326.2 | | |
| 13+03 W | | 5.5 | 330.0 | 332.9 | F 2 ² |
| 13+27 E | | 5.9 | 329.6 | 334.4 | F 4 ⁸ |
| 13+41 W | | 1.3 | 334.2 | 334.2 | C 0 ² |

CENTRAL AVE
 MEADE TO EL CAJON
 ⑤ Grd. For 6" A.C. MAIN.

8/30/54
 SHOREY
 MARTEL
 ALEXANDER

59

| | 3.43 | 372.13 | 368.70 | |
|------|-----------------|------------|----------------------|--------------------|
| 0+45 | 6" x 4" | TEE & G.V. | 4.40 367.7 | 369.1 + 367.4 - |
| 0+50 | | | 4.46 367.6 | 369.0 367.3 |
| 1+00 | | | 4.86 367.2 | 368.6 367.1 |
| 1+50 | | | 5.13 367.0 | 368.9 367.8 |
| 2+00 | | | 5.30 366.8 | 369.2 367.4 |
| 2+50 | | | 5.60 366.5 | 362.9 362.3 |
| 3+00 | | | 5.79 366.3 | 362.7 362.1 |
| 3+50 | | | 6.02 366.1 | 362.5 362.7 |
| 4+00 | | | 6.18 365.9 | 362.3 362.6 |
| 4+50 | | | 6.43 365.7 | 362.1 362.9 |
| 5+00 | | | 6.64 365.5 | 361.9 362.2 |
| 5+50 | | | 6.80 365.3 | 361.7 362.0 |
| 6+00 | | | 7.00 365.1 | 361.5 361.7 |
| 6+50 | | | 7.13 365.0 | 361.4 361.5 |
| 7+00 | | | 7.40 364.7 | 361.1 361.3 |
| 7+15 | 6" Tapping G.V. | | 7.34 364.8 | 361.2 + |
| | | | 3.43 368.70 = 368.70 | |

N.W.B.P. Meade & Central Ave.

| | | |
|--|-------|------|
| | 367.9 | 7.24 |
| | 367.8 | 7.30 |
| | 367.5 | 7.55 |
| | 367.3 | 7.82 |
| | 367.1 | 5.24 |
| | 366.8 | 5.31 |
| | 366.5 | 5.57 |
| | 366.5 | 5.26 |
| | 366.1 | 5.27 |
| | 365.9 | 6.22 |
| | 365.7 | 6.39 |
| | 365.5 | 6.58 |
| | 365.3 | 6.77 |
| | 365.3 | 6.82 |
| | 364.7 | 7.36 |
| | 364.8 | 7.34 |

N.W.B.P. Meade & Central Ave.

40th ST,
 MONROE TO E. CASON BLVD.
 @ Grds For 6" A.C. Main

| | 6.35 | 375.05 | 368.70 |
|------|--------------|--------|--------|
| 0+60 | BEGIN WORK | 2.27 | 372.8 |
| | | | 368.4 |
| 1+00 | | 2.35 | 372.7 |
| | | | 368.7 |
| | | | 368.3 |
| 1+50 | | 2.56 | 372.5 |
| | | | 368.0 |
| 2+00 | | 2.81 | 372.3 |
| | | | 368.1 |
| 2+50 | | 2.91 | 372.2 |
| | | | 368.0 |
| 3+00 | | 3.23 | 371.9 |
| | | | 367.9 |
| 3+50 | | 3.45 | 371.6 |
| | | | 367.7 |
| | | | 367.1 |
| 3+75 | | 3.54 | 371.6 |
| | | | 367.6 |
| | | | 367.0 |
| 4+00 | | 3.65 | 371.4 |
| | | | 367.5 |
| | | | 366.8 |
| 4+50 | | 3.96 | 371.1 |
| | | | 367.3 |
| | | | 366.6 |
| 5+00 | | 4.42 | 370.7 |
| | | | 367.0 |
| | | | 366.4 |
| 5+50 | | 4.76 | 370.3 |
| | | | 366.8 |
| | | | 366.2 |
| 6+00 | | 5.04 | 370.1 |
| | | | 366.6 |
| | | | 366.1 |
| 6+50 | | 5.30 | 369.8 |
| | | | 366.4 |
| | | | 366.0 |
| 7+00 | G.O. By City | 5.95 | 369.1 |
| | | | 364.8 |
| 7+10 | G.O. By City | 6.20 | 368.9 |
| | | | 364.6 |
| 7+25 | | 6.57 | 368.16 |
| | | | 364.2 |
| 7+50 | | 6.78 | 368.3 |
| | | | 364.1 |
| | | | 364.0 |
| 8+00 | | 6.91 | 368.1 |
| | | | 364.0 |
| | | | 363.9 |
| 8+50 | | 7.13 | 368.0 |
| | | | 363.9 |
| | | | 363.7 |

8/30/54
 Shorey
 Martel
 Alexander

N.W.B.P. MEADE & CENTRAL AVE.

| | 372.82 |
|-----|--------|
| C41 | 2.33 |
| C42 | 72.80 |
| C41 | 2.25 |
| C42 | 73.55 |
| C41 | 2.50 |
| C42 | 72.35 |
| C41 | 2.20 |
| C42 | 72.23 |
| C41 | 2.22 |
| C41 | 71.88 |
| | 2.17 |
| C32 | 71.70 |
| | 2.25 |
| C40 | 71.63 |
| | 2.20 |
| C32 | 71.53 |
| | 2.52 |
| C32 | 71.17 |
| | 2.22 |
| C32 | 70.73 |
| | 2.32 |
| C35 | 70.36 |
| | 2.69 |
| C35 | 70.12 |
| | 2.23 |
| C31 | 69.83 |
| | 2.22 |
| C43 | 69.10 |
| | 5.25 |
| C43 | 6.17 |
| | 368.88 |
| C43 | 6.46 |
| | 368.57 |
| C42 | 68.36 |
| C41 | 68.17 |
| C43 | 68.03 |
| C41 | 7.02 |

40th St
(Contd)

375.05

| | | | | | |
|--------|----------|--------|-----------------|---------------------------|-------|
| 9+00 | | 7.32 | 367.8 | 363.7 363.7 | |
| 9+50 | | 7.42 | 367.7 | 363.8 363.8 | |
| 10+00 | | 7.56 | 367.5 | 363.7 363.7 | |
| TP | 7.90 | 375.15 | 7.80 | 367.25 | 363.4 |
| 10+50 | | 7.80 | 367.4 | 363.6 363.6 | |
| 11+00 | | 7.90 | 367.3 | 363.5 363.5 | |
| 11+50 | | 8.03 | 367.2 | 363.4 363.4 | |
| 12+00 | | 8.13 | 367.1 | 363.3 363.3 | |
| 12+50 | | 8.23 | 367.0 | 363.1 363.1 | |
| 13+00 | | 8.39 | 366.9 | 362.9 362.9 | |
| 13+50 | END WORK | 8.65 | 366.5 | 362.6 | |
| CK, BM | | 6.44 | 368.71 = 368.70 | | |

8/30/54
Shorey
Morte
Alexander

61

| | |
|-----------------|--------------------------|
| C3 ² | 67.86 7.19 |
| C3 ² | 67.76 7.29 |
| C3 ² | 67.60 7.43 |
| C3 ² | 67.47 7.68 |
| C3 ² | 67.35 7.80 |
| C3 ² | 67.22 7.93 |
| C3 ² | 67.12 8.03 |
| C3 ² | 66.99 8.16 |
| C4 ² | 66.84 8.31 |
| C3 ² | 66.58 8.57 |

N.W. B.P. MADE & CENTRAL AVE.

53RD ST.
& PROFILE
PROPOSED WATER MAIN

9/3/59
Sheryl
Mantel
Kellehofer



0+00 = NORTH PROP. LINE EL CAJON BLVD.

1+01.76 = SOUTH PROP. LINE EL CAJON BLVD.

3+96.87 = L. MEADE AVE.

4+10.25 = WATER LINE B.C.

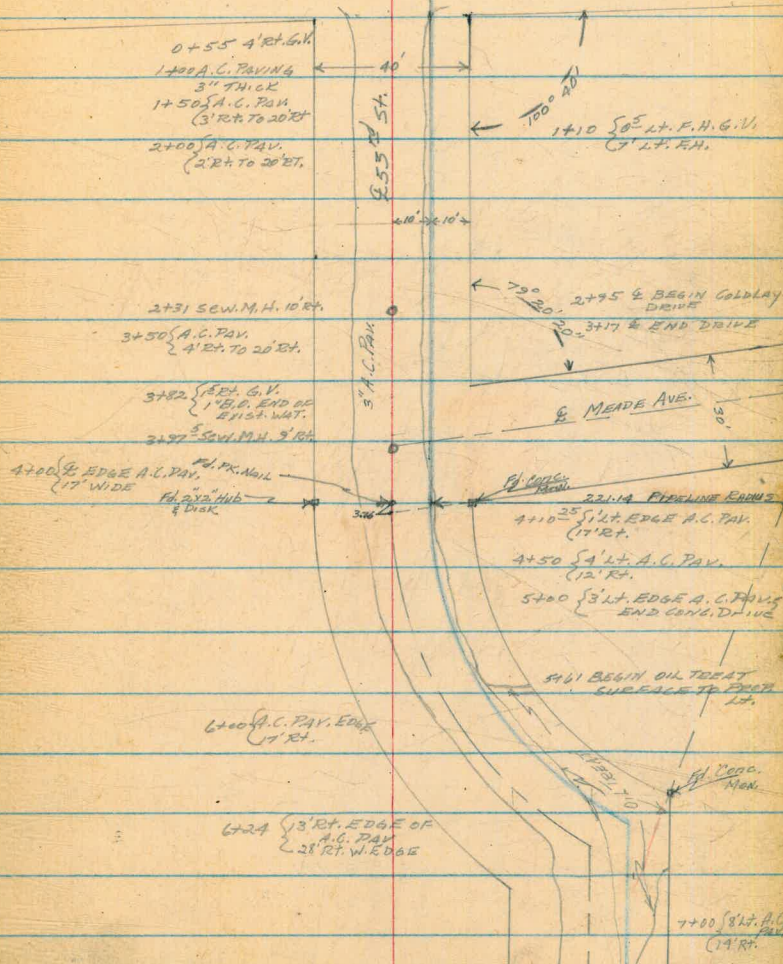
22.14 RADIUS
 $\Delta = 57^{\circ} 03' 45''$
Def. Per. Ft. = 7.77278

SET 25' STAS.

6+24.71 = E.C. π - sighted at 100

DEF. $52^{\circ} 18' 30''$ RT. TO FORWARD TAN

EL CAJON BLVD.



53RD ST.
 & PROFILE
 (CONT'D)

9/3/54
 Shorey
 Martel
 Kellehofer

63

6+29.71 E.C.

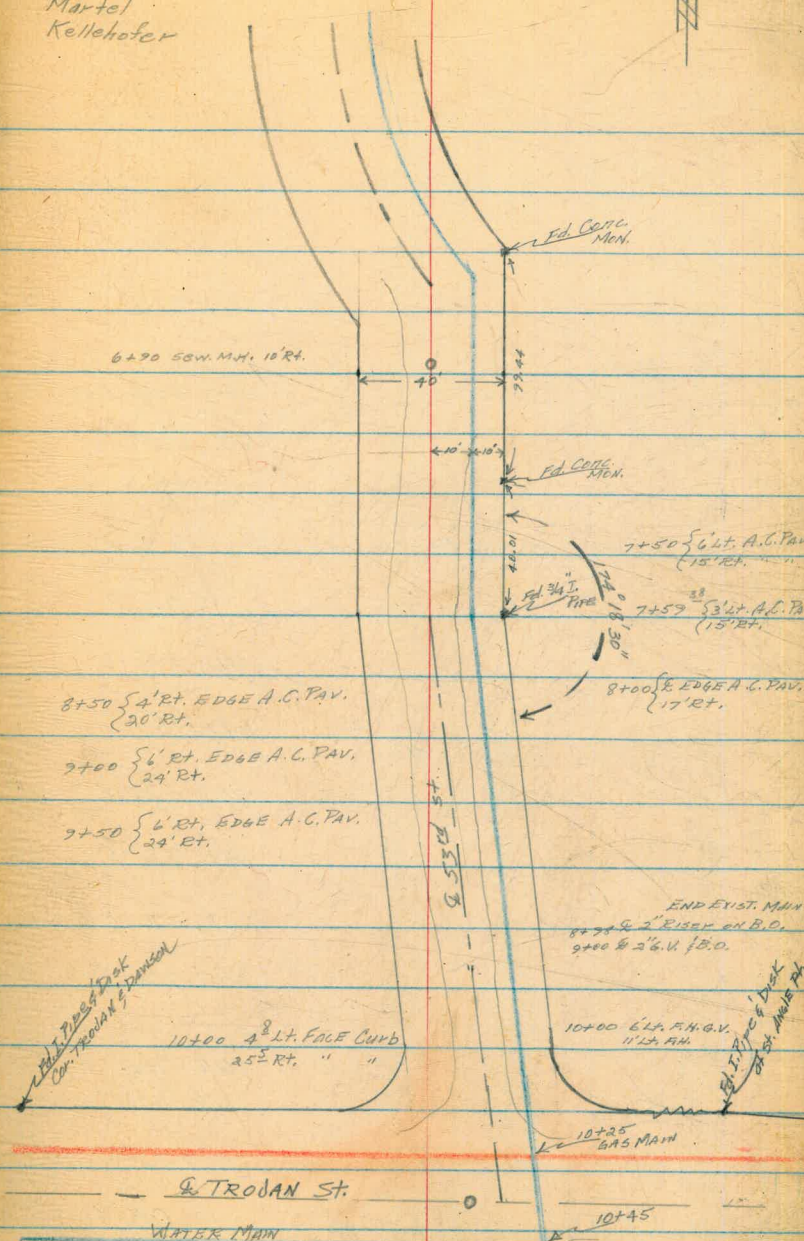
7+52.38 A.P.

DEF. 5' 41" 30" LT

10+04.36 = NORTH PROP. LINE TROJAN

10+65.15 = SOUTH PROP. LINE TROJAN

10+35 SEM.M.H. 16" RT.
 { 12" SEC. ON TROJAN }
 { 8" " " " " }



6+70 SEM.M.H. 16" RT.

FD. CURB MEN.

FD. CURB MEN.

7+50 6" LT. A.C. PAV. 15' RT.

7+59 3" LT. A.C. PAV. 15' RT.

8+00 6" EDGE A.C. PAV. 17' RT.

8+50 2" RT. EDGE A.C. PAV. 20' RT.

9+00 6" RT. EDGE A.C. PAV. 29' RT.

9+50 6" RT. EDGE A.C. PAV. 29' RT.

10+00 4" LT. FACE CURB 25' RT.

END EXIST. MAIN
 8" RT. 2" RISE ON B.O.
 9+00 2" V. 18" O.

10+00 6" RT. 14" O.V. 11' 12" AH.

10+25 GAS MAIN

53RD ST.

WATER MAIN

10+45

53rd St.
El Cajon To Trowan
& Profile Proposed Water Main
(Cont'd)

| | | | |
|---------------------|----------------------------------------|-----------------------------------------|----------------|
| BM | 361 | 355.28 ✓ | 351.67 |
| TP | 1.41 | 343.44 ✓ | 12.25 342.03 ✓ |
| 10+65 ¹⁵ | Se. Prop. Line | | 11.7 331.74 ✓ |
| 10+50 | | | 9.4 334.04 ✓ |
| 10+37 ¹⁵ | Q. Trowan St. | | 9.5 333.94 ✓ |
| 10+35 | 16 ⁵ Ft. Sew. M.H. E. Edge. | { 9.82 333.62 ✓ 19.0 329.4 F.L. ✓ | |
| 10+29 ³⁶ | N. Prop. Line | | 7.7 333.74 ✓ |
| 10+00 | | | 2.6 333.84 ✓ |
| TBM | 876 | 346.15 ✓✓ | 6.05 337.39 ✓✓ |
| 9+50 | | | 9.3 336.85 ✓ |
| 9+00 | | | 5.6 340.55 ✓ |
| 8+50 | | | 2.4 343.175 ✓ |
| TP | 13.32 | 358.92 ✓✓ | 0.55 345.60 ✓ |
| 8+00 | | | 16.4 347.52 ✓ |
| 7+57 ³⁸ | A Ft. | | 7.7 351.02 ✓ |
| 7+50 | | | 7.0 351.92 ✓ |
| 7+00 | | | 1.0 357.92 ✓ |
| TP | 13.19 | 372.00 ✓ | 0.11 358.87 ✓✓ |
| 6+90 | 10' Ft. Sew. M.H. East Edge | { 12.67 359.33 ✓ 21.50 350.90 F.L. ✓ | |
| 6+50 | | | 5.90 366.20 ✓ |
| 6+29 ⁷¹ | E.C. | | 2.2 369.80 ✓ |
| TP | 12.38 | 384.03 ✓✓ | 0.35 371.65 ✓✓ |
| 5+75 | | | 11.0 373.00 ✓ |
| 5+50 | | | 9.3 374.73 ✓ |

9/3/54
Shorey
Martel
Kellehofer

SW 53rd 323.88

29

Q. Lat 54th & Trowan St.

16⁵ Ft. Sew. M.H. E. Edge

N.E. Top E.H. 53rd & Trowan

Top Sew. M.H. East Edge

53rd St
 & Profile Proposed WATER MAIN
 (Cont'd)

9/3/54
 Sherey
 Martel
 Kellehofer

65

384.03 ✓

| | | | |
|--------------------|---------------------------|-------|--------------------------------------|
| 5+25 | | 7.1 | 376.93 ✓ |
| 5+00 | | 4.7 | 379.33 ✓ |
| 4+75 | | 2.2 | 381.83 ✓ |
| TP | 13.20 376.73 ✓ | 0.50 | 383.53 ✓ |
| 4+50 | | 11.8 | 384.93 ✓ |
| 4+25 | | 8.5 | 388.23 ✓ |
| 4+10 ²⁵ | E.C. | 6.6 | 390.13 ✓ |
| 4+00 | | 5.4 | 391.13 ✓ |
| 3+97 ⁵ | 9' Rt. Edge Sew. M.H. | 5.64 | 391.05 ✓ |
| | | 7.6 | 387.1 ✓ |
| | | 15.8 | 380.2 F.L. ✓ |
| 3+50 | | 3.7 | 393.03 ✓ |
| 3+00 | | 4.1 | 395.63 ✓ |
| TP | 9.66 401.14 ✓ | 0.25 | 396.48 ✓ |
| 2+50 | | 4.1 | 397.04 ✓ |
| 2+31 | 10' Rt. E. Edge Sew. M.H. | 3.51 | 397.63 ✓ |
| 2+00 | | 12.3 | 388.8 F.L. ✓ |
| | | 3.3 | 397.84 ✓ |
| 1+50 | | 3.9 | 24 ✓ 397.44 ✓ |
| 1+00 | | 7.22 | 393.92 ✓ |
| 0+90 | | 7.77 | 393.37 ✓ |
| 0+50 | | 7.15 | 393.99 ✓ |
| 0+10 | | 7.56 | 393.58 ✓ |
| 0+04 ⁰² | ② From Prop. | 6.90 | 394.24 ✓ |
| 0+00 | | 6.76 | 394.38 ✓ 393.78 G.F.W. |
| TBM | 6.31 400.74 ✓ | 8.71 | 394.43 ✓ |
| TP | 0.78 389.66 ✓ | 12.96 | 387.88 ✓ |
| TP | 0.64 376.19 ✓ | 13.11 | 375.55 ✓ |
| TP | 1.22 364.39 ✓ | 13.83 | 363.47 ✓ |

9' Rt. East Edge Sew. M.H.
 TOP SEW. LINE GOING DOWN MEADE AVE. ←
 E.L. OF SEW. M.H.

Note: 2 Sew. Lines
 GOING DOWN MEADE

10' Rt. E. Edge Sew. M.H.
 SEW. LATERAL GOES EAST AT F.L. ELEV.

So. Gutter Line

N. Gutter Line

N. Prop. Line EL CANON

S.W. END CURB RETURN 53rd EL CANON

53rd St.
(cont'd)

9/7/54
Shorey
Martel
Kellehofer

| | | | | | |
|------|--------|--------|----|-------|-----------------|
| | 364.37 | IV | | | |
| TP | 0.09 | 352.12 | ✓✓ | 12.36 | 352.03 ✓✓ |
| TP | 0.79 | 339.99 | W | 12.87 | 339.25 ✓✓ |
| TP | 12.85 | 352.72 | ✓✓ | 0.12 | 339.87 ✓✓ |
| CKBM | | | | 1.03 | 351.69 = 351.67 |

9.447.54th of TRODAN

Q⁵⁶ 28th to 30th
 sets for 12" AC

West
 Williams T
 Varenfakis
 Kellhofer †

67

10/18/54

Turn Top FH NE Cor. 28th + Q

118.7 to flow line? 150.3
 Top stem 4" QV 0+00 118.7

Begin work

| | | | |
|----------------------|--------|--------|--------|
| 5.67 | 132.15 | 126.48 | |
| 0+80 | 12.00 | 120.15 | 118.7 |
| 0+80 | 9.9 | 122.3 | 118.7 |
| 1+00 | 8.1 | 124.1 | 120.0 |
| +12 ⁵ | 5.1 | 127.1 | 120.9 |
| +25 | 2.1 | 130.1 | 123.1 |
| 125674 | 2.60 | 2.11 | 130.04 |
| 1+50 | 6.3 | 134.3 | 128.3 |
| 123915 | 4.49 | 0.50 | 142.10 |
| +78 ² pot | 10.6 | 143.9 | 134.2 |
| 2+00 | 5.7 | 148.8 | 138.6 |
| 122316 | 5.62 | 1.10 | 153.39 |
| 2+50 | 6.9 | 158.7 | 149.0 |
| 661 | 171.37 | 0.86 | 164.76 |
| 3+00 | 6.4 | 165.0 | 157.0 |
| +50 | 4.5 | 166.9 | 161.4 |
| 3+69 N | 1.8 | 169.6 | 166.5 |
| +75 | 4.0 | 167.4 | 161.8 |
| +79 S | 4.0 | 167.4 | 166.3 |

C3⁶

C4¹

C6²

C7⁰

C8⁰

C9²

C10²

C9²

C8⁰

C5⁵

C8²

C5⁶

C1⁴

Turn on (8) pot spikes 2+97

Q⁵⁶ Cont

171.37

| | | | | |
|--------|-----|-------|-------|-----------------|
| A+00 | 4.5 | 166.9 | 161.3 | C5 ⁶ |
| +05 S | 4.6 | 166.8 | 165.8 | C1 ⁰ |
| 3+95 N | 2.7 | 168.7 | 166.5 | C2 ² |
| 4+25 | 5.3 | 166.1 | 160.7 | C5 ⁴ |
| +50 | 7.2 | 164.2 | 158.0 | C6 ² |
| +50 N | 7.2 | 164.2 | 161.7 | C2 ⁵ |

0.13 158.79 12.71 158.66

| | | | | |
|----------|--------|-------|--------------|------------------|
| 1+97' S | 2.0 | 156.8 | 154.3 | C2 ⁵ |
| 5+00 | 2.6 | 156.2 | 149.6 | C6 ⁶ |
| +08 N | 4.4 | 154.4 | 152.5 | C1 ⁹ |
| +50 | 8.3 | 150.5 | 141.3 | C9 ² |
| +96 5008 | 146.77 | 12.10 | 146.69 135.2 | C11 ⁵ |
| 6+00 | 2.2 | 144.6 | 131.7 | C12 ⁹ |
| 6+00 | +0.1 | 146.9 | +34.8 | C12 [±] |
| 0.06 | 134.58 | 12.25 | 134.52 135.5 | C12 [±] |

50
5.3
7.3
9
2.0
40
1.2
23

| | | | | |
|-----------------------|--------|-------|--------------|------------------|
| +50 | 1.9 | 132.7 | 122.3 | C10 ⁴ |
| +87 ⁵ 0.37 | 122.44 | 12.51 | 122.07 114.8 | C7 ³ |
| 7+00 | 5.1 | 116.8 | 113.0 | C3 ⁸ |
| +25 | 7.1 | 115.3 | 111.5 | C3 ² |
| +45 | 6.7 | 115.7 | 111.4 | C4 ³ |
| +75 | 5.8 | 166.6 | 112.8 | C3 ⁸ |

115.7
124.5
7+39 Water Meter 115.4
F 9.1

10/19/54

68

Bst Cont

| | | | | |
|----------|--------|------|--------|-------|
| | 122.44 | | | |
| 7+93 | | 3.1 | 119.3 | 115.3 |
| 7+93 | | 3.7 | 118.7 | |
| 8+00 | | 1.8 | 120.6 | 116.2 |
| 12.34 | 134.04 | 0.74 | 121.70 | |
| 705 W N | | 11.4 | 122.6 | 126.4 |
| 8+50 | | 2.9 | 131.1 | 126.1 |
| 158 S | | 2.0 | 132.0 | 131.2 |
| 12.05 | 145.64 | 0.45 | 133.59 | |
| 8+75 | | 9.4 | 136.2 | 131.2 |
| 8+87 N | | 3.3 | 142.3 | 137.5 |
| 9+00 | | 3.8 | 141.8 | 134.8 |
| 11.59 | 156.40 | 0.78 | 144.86 | |
| 9+15 WMS | | 10.5 | 145.9 | 139.9 |
| 9+23 N | | 8.0 | 148.4 | 142.4 |
| 125 | | 10.6 | 145.8 | 138.1 |
| 150 | | 8.7 | 147.7 | 140.3 |
| 150 N | | 4.7 | 151.7 | 145.3 |
| 175 | | 7.3 | 149.1 | 142.4 |
| 10+00 | | 5.6 | 150.8 | 143.0 |
| 113 N | | 0.9 | 155.5 | 149.0 |
| 125 | | 8.8 | 147.6 | 143.8 |

C4⁰

C4⁴

F 3⁸

C5⁰

C0⁸

C5⁰

C4⁸

C7⁰

C6⁰

C6⁰

C7⁷

C7⁴

C6⁴

C6⁷

C7⁸

C7⁸

C6⁵

C3⁸

10
57
10
31
2.0
C.3
2.2
4.1
141.8
145.9
36

FH 100

(3) FH

out John Bell

277
35
38
26
94

61

32
35
5.0

156.40

10+50
269 W M N
11700

8.5 147.9 144.6
5.0 151.4 150.5
7.2 149.2 146.3

C3 ³
C2 ⁹
C01

+50

5.0 151.4

+65

4.9 151.5

end of work

0.71 151.66 5.45 150.95

7.03 144.63

144.77 = 144.65

Top FA SE Cor. 30' + Marks

see page 40

5.0 120.7 115.7

12.61 133.26 0.05 120.65

6 11 132.16

10.28 141.96 1.58 131.68

5750 0.70 141.3

0.45 129.78 12.63 129.33

1.41 120.81 16.38 119.40

5.13 115.68

1322
1317
5

142

141.3

129.8

122.3

7.5

Fst 26th to 27th
STKs for 6" AO Main

| | | | |
|------------------|--------|-------|--------------|
| 1247190.59 | 178.12 | | |
| 0+40 | 12.9 | 177.7 | |
| +50 | 13.1 | 177.5 | 178.6 |
| +65 | 5.7 | 184.9 | 173.6 |
| 1+00 | 4.3 | 186.3 | 173.4 |
| 1+10 S | 4.3 | 186.3 | 176.8 |
| +50 | 4.4 | 186.2 | 171.6 |
| +88 S | 9.0 | 181.6 | 172.6 |
| 2+00 149 | 179.80 | 12.28 | 178.31 168.2 |
| +19 ² | 1.1 | 178.7 | 165.8 |
| +22 N | 6.2 | 173.6 | 169.8 |
| +55 | 11.6 | 168.2 | 161.1 |
| +635.091 | 167.46 | 12.75 | 167.05 163.0 |
| +80 N | 6.2 | 161.3 | 160.5 |
| 3+00 | 8.5 | 159.0 | 153.4 |
| 0.15 | 155.59 | 12.02 | 155.44 |
| +35 S | 1.9 | 153.7 | 148.9 |
| +32 N | 5.5 | 150.1 | 150.3 |
| 3+50 | 6.5 | 149.1 | 143.0 |

West
Williams K
Varonfakis 9
Kellhofer

71

10/20/54

NW of 26th + F

Begin work

| |
|-----|
| 9 |
| C3 |
| 3 |
| C11 |
| 9 |
| C12 |
| 5 |
| C9 |
| 6 |
| C14 |
| 0 |
| C9 |
| 1 |
| C10 |
| 9 |
| C12 |
| 8 |
| C3 |
| 1 |
| C7 |
| 1 |
| C4 |
| 8 |
| C0 |
| 6 |
| C5 |
| 8 |
| C4 |
| 2 |
| F0 |
| 1 |
| C6 |

Fst Cont

72

155.59

| | | | | | |
|--------|--------|--------|--------|--------|------------------------|
| 0.26 | 142.84 | 130.1 | 142.58 | | |
| 3+75 | | 2.5 | 140.3 | 135.5 | C4 $\frac{8}{}$ |
| 4+00 | | 9.2 | 134.6 | 129.3 | C5 $\frac{3}{}$ |
| 12 | 9.90 | 140.10 | 12.6 | 130.20 | |
| 4+75 | | 11.0 | 129.1 | 125.0 | C4 $\frac{1}{}$ |
| +375 | | 11.8 | 128.3 | 124.0 | C4 $\frac{3}{}$ |
| +50 | | 11.8 | 128.3 | 124.0 | C4 $\frac{3}{}$? |
| +75 | | 8.8 | 131.3 | 125.5 | C5 $\frac{8}{}$ |
| 4+97.5 | | 9.1 | 131.0 | 137.2 | F6 $\frac{2}{}$ |
| 5+00 | | 7.4 | 132.7 | 128.0 | C4 $\frac{7}{}$ FH Tec |
| (6) | | 8.9 | 131.2 | 137.8 | F6 $\frac{6}{}$ FH |
| +03 N. | | 5.7 | 134.4 | 138.4 | F4 $\frac{0}{}$ |
| 12.32 | 152.07 | 0.35 | 139.75 | | |
| 5+91.5 | | 9.9 | 142.2 | 144.5 | F2 $\frac{3}{}$ |
| +50 | | 6.5 | 145.6 | 139.4 | C6 $\frac{2}{}$ |
| 12.23 | 163.50 | 0.80 | 151.27 | | |
| +75 | | 11.3 | 152.2 | 146.8 | C5 $\frac{4}{}$ |
| 6+00 | | 4.1 | 159.4 | 152.3 | C7 $\frac{1}{}$ |
| +06 N | | 2.5 | 161.0 | 160.3 | C0 $\frac{1}{}$ |

Fst Cont

163.50

8.97 171.93 0.59 162.96

6+30 N

6.7 165.2 165.5

+50

4.4 167.5 163.2

+60

3.7 168.2

1.64 170.29 = 170.16

10/20/59

F₀ 3

C₄ 3

End of work

see page 35

16 = 170.28

NWBP 27th + F

COLLEGE RESERVOIR
(Elevated Tank)
Proposed Alignment for Replacement
of Conc. DRAIN LINE

SEE ALSO pg. 50

Nov. 23, 1954



BEATH
SHOLEY
MARTELL
ALEXANDER

74

COLLEGE
TANK

Cyclone
FEN.

L3 2201
709. IN CONC
CITY EDGE

FD 11.15
L3 2201

50' X in
Conc

714
121.29
Daniels calls
this 120.00

90° 05'
this is only 2
shown by Daniels in
FD 72 pg. 50

89° 55'

LOT 9.

LAMESA COLONY

370.50 (Daniels)

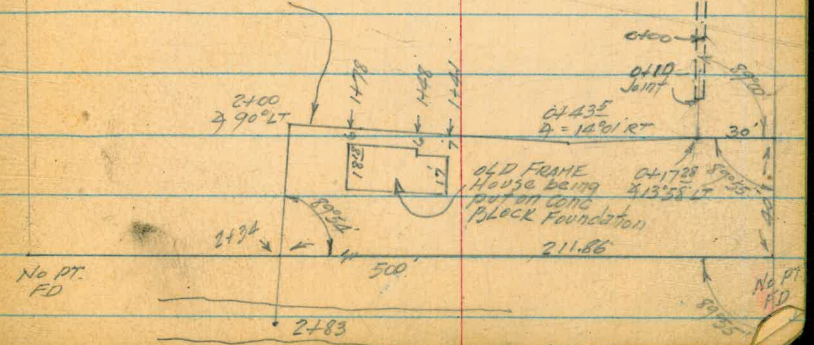
370.00 (Daniels)

SEE pg. 78

2+83 Channel

- 2+00 Δ 90° RT
- 0+43.5 Δ = 14° 01' RT
- 0+17.28 Δ = 75° 02' RT
- 0+10 at Existing joint, 10" Conc. DR.
- 0+00

Proposed Alignment for Replacement
of Conc. Drain line.



COLLEGE RESERVOIR
 & PROFILE & X-SECTS
 Propose Drain Line Replacement

11/24/50

75

See pg 50 □ on culv. Hdwall

BM 12.60 412.60 400.00 Assumed Elev.

(approximated)

0+00 +8.96 421.56

0+10 @ joint of existing 10" Conc. drain. +2.96 417.56

0+13 +2.0 414.6

0+14.5 +1.0 413.6

← LEFT RIGHT →

0+15 2.4 410.2

0+17.25 X PT 2.6 409.0

RT & To Fwd Tang. 7.0 29.36
20 13 C

0+25 3.4 409.2

6.3 5.3 3.7 4.8 3.4 3.4 0.0 +2.5 +4.0 +7.5
20 16 14 13 5 1 2 3 4 5

0+35 7 PT 5.8 406.8

7.7 6.6 5.4 6.3 6.9 5.8 5.7 3.0 0.5 +1.0 +2.0 +3.0
20 16 13 12 2 2 1 2.5 2.5 3.5 3.5 4.5

0+50 6.3 406.3

7.5 6.9 6.2 7.1 7.5 6.4 6.3 3.7 1.6 0.0 +2.0 +3.7
20 16 14 12.5 5.5 2 1.5 1.5 2.5 3 5

0+75 6.6 406.0

10.5 9.9 10.2 9.2 9.2 6.6 4.0 1.6 +1.9 +3.7
22 18 7 5 2 2 1.5 3 3.5 5

0+83 6.5 406.1

11.3 10.8 10.0 9.6 6.5 +0.6 +2.2
22 8 6 3.5 2 3.2 5

1+00 9.0 403.6

12.9 12.6 11.6 9.0 6.7 3.7 0.7 0.0
25 5 3 2 2.5 3 4 5

COLLEGE RES
(Cont'd.)

11/24/54

412.60

1+25

12.6 400.0

$\frac{13.1}{30}$ $\frac{13.5}{3}$ $\frac{12.6}{2}$ $\frac{10.9}{25}$ $\frac{6.5}{5}$ $\frac{0.5}{5}$ $\frac{+1.0}{6}$

11

3.16 404.55 11.21 401.39

1+50

5.5 399.1

(Fido of 1.23) $\frac{6.1}{6}$ $\frac{6.1}{2}$ $\frac{0.3}{2}$ $\frac{2.2}{4}$ $\frac{0.4}{5}$ $\frac{+5.0}{3}$ $\frac{+6.0}{6}$

1+75

4.9 399.7

$\frac{5.9}{6}$ $\frac{5.8}{2}$ $\frac{0.9}{2}$ $\frac{2.3}{25}$ $\frac{1.7}{4}$ $\frac{+1.5}{55}$ $\frac{+2.0}{55}$ $\frac{+3.0}{65}$

2+00

4.6 400.0

RT X BK Tang

$\frac{3.3}{3}$ $\frac{0.0}{4}$ $\frac{+2.0}{25}$ $\frac{+3.5}{6}$

2+07

5.6 399.0

$\frac{5.5}{15}$ $\frac{5.6}{6}$ $\frac{5.7}{15}$

2+28

5.3 399.3

2+34

5.1 399.5

2+47

5.2 399.4

2+50

6.2 398.4

2+54

5.3 399.3

2+65

8.9 395.7

2+71

11.2 392.4

2+83 E Channel

12.2 392.4

$\frac{12.8}{50}$

$\frac{12.2}{50}$

$\frac{11.1}{50}$

2+90

11.9 392.7

COLLEGE RES.
(Cont'd)

11/24/54

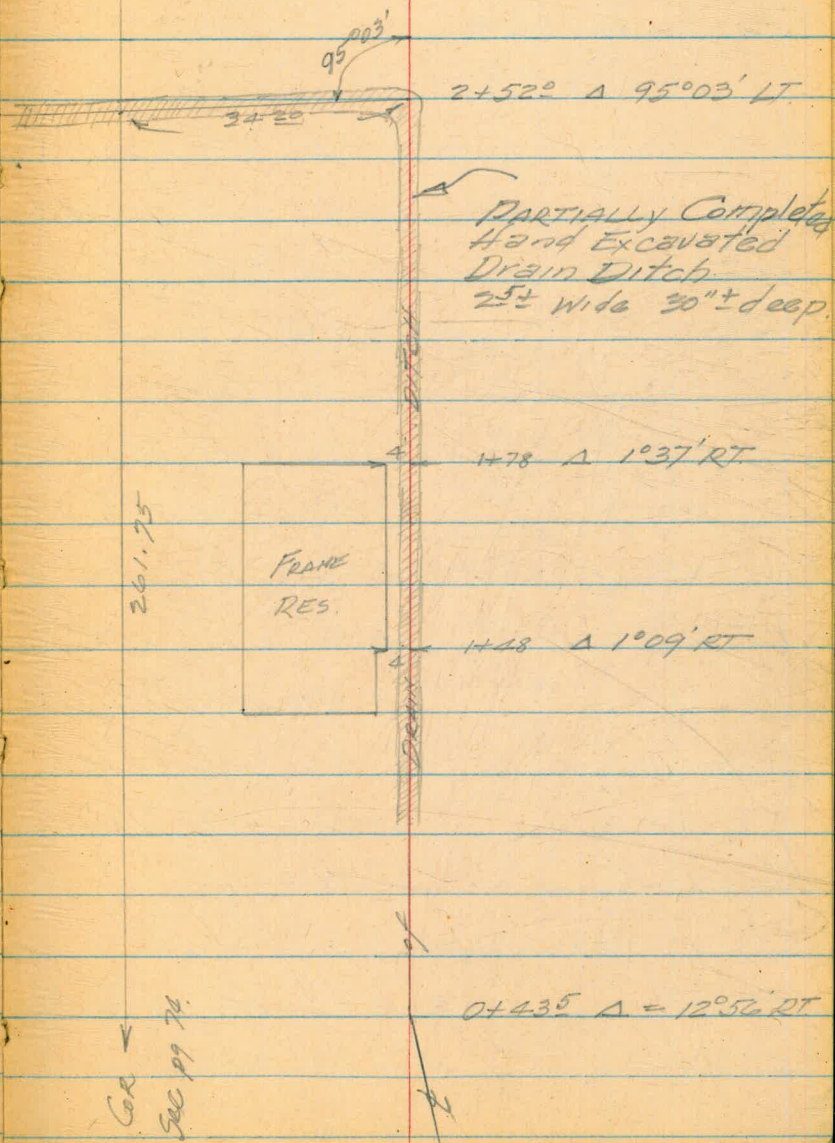
77.

| | | | |
|-------|--------|--------|-----------------|
| | 404.55 | | |
| 3400 | | 9.2 | 395.4 |
| TP | 3.43 | 402.16 | 5.82 398.73 |
| CE BM | | 2.17 | 399.99 = 400.00 |

COLLEGE RES.
 Alignment of DRAIN DITCH
 BEING EXCAVATED

3409
 CHAMBER

DEC. 8, 1934
 BEATTY
 MARTELL
 ALEXANDER



Cor
 Sec p9 76.

Vancouver Ave Kalmia to South
Stks. For meters

129882 Meters Set 17^{1/2} from Q St

| | | | | |
|--------------|------|--------|-------|-------------|
| B.M. | 8.77 | 278.27 | | 269.50 |
| T.P. | 3.43 | 270.09 | 11.61 | 266.66 |
| 0-55 | | | 4.2 | 265.9 266.3 |
| 0+22 M.E. | | | 5.1 | 265.0 265.9 |
| +27 F.(F.H.) | | | 4.7 | 265.4 266.1 |
| +27 | | | 5.1 | 265.0 266.1 |
| +74 M.W. | | | 5.7 | 264.4 265.4 |
| +79 M.E. | | | 3.7 | 266.4 265.6 |
| 1+21 M.E. | | | 4.0 | 266.1 265.3 |
| +47 M.E. | | | 4.9 | 265.2 265.1 |
| +96 M.E. | | | 5.5 | 264.6 264.8 |
| 2+12 M.E. | | | 5.8 | 264.3 264.6 |
| +40 M.W. | | | 4.6 | 265.5 264.4 |
| +80 M.E. | | | 5.2 | 264.9 264.2 |
| 3+25 M.E. | | | 4.7 | 265.4 263.9 |
| T.P. | 5.04 | 270.86 | 4.27 | 265.82 |
| +36 M.W. | | | 4.5 | 266.4 263.7 |
| 4+42 M.E. | | | 4.9 | 266.0 263.4 |
| +71 M.W. | | | 7.0 | 263.9 262.9 |

West
Williams
Varonakis X
Kellhofer 1

79

SHOWERS

Δ 1823 EWING

11/30/54 0700 P ST RD OF 240' R

B.M. BP NE Cor. KALMIA + MONTCLAIR ST

| | | |
|----|----------|----------------|
| | <u>4</u> | |
| F0 | | 3697 KALMIA |
| | <u>9</u> | |
| F0 | | 2385 VANCOUVER |
| | <u>7</u> | |
| F0 | | (5) F.H. |
| | <u>1</u> | |
| F1 | | To FLANGE |
| | <u>0</u> | |
| F1 | | 2388 |
| | <u>8</u> | |
| C0 | | 2377 |
| | <u>8</u> | |
| C0 | | 2373 |
| | <u>1</u> | |
| C0 | | 2369 |
| | <u>2</u> | |
| F0 | | 2365 |
| | <u>3</u> | |
| F0 | | 2361 |
| | <u>1</u> | |
| C1 | | 2364 |
| | <u>2</u> | |
| C0 | | 2355 |
| | <u>5</u> | |
| C1 | | 2347 |
| | <u>7</u> | |
| C2 | | 2352 |
| | <u>6</u> | |
| C2 | | 2333 |
| | <u>0</u> | |
| C1 | | 2332 |

VANCOUVER CONT.

| | | | | | | | |
|------|-----------------|--------|--------|-----------------|-----------------|-----------------|------------|
| | | 270.86 | | | | | |
| B.M. | 5+00 M.F. | | 6.9 | 264.0 | 263.0 | C1 ⁰ | #2329 |
| T.P. | +52 M.F. | | 8.0 | 262.9 | 262.5 | C0 ⁴ | 2325 |
| 0-5 | +62 M.W. | | 8.5 | 262.4 | 262.2 | C0 ² | 2324 |
| 0+2 | +88 M.F. | | 8.8 | 262.1 | 262.1 | C0 ⁰ | 2309 |
| +2 | 6+01 M.W. | | 8.5 | 262.4 | 261.9 | C0 ⁵ | 2320 |
| +2 | +36 M.W. | | 7.9 | 263.0 | 261.5 | C1 ⁵ | 2304 |
| +74 | T.P. | 3.41 | 267.43 | 6.84 | 264.02 | | |
| +79 | +93 E (F.H.) | | 6.3 | 261.1 | 261.2 | FO ^L | (5) F.H. |
| 1+2 | +93 | | 6.8 | 260.6 | 261.2 | FO ⁶ | TO FLANGE |
| +4 | CHECK T.B.M. | 7.23 | 271.25 | 3.41 | 264.02 = 264.10 | | P.P. P3655 |
| +96 | T.P. | 7.54 | 273.35 | 5.44 | 265.81 | | |
| 2+2 | T.P. | 5.13 | 277.40 | 1.08 | 272.27 | | |
| +4 | CHECK B.M. | | 7.94 | 269.46 = 269.50 | | | |
| +80 | | | | | | | |
| 3+2 | | | | | | | |
| T.P. | | | | | | | |
| +30 | | | | | | | |
| 4+4 | | | | | | | |
| +71 | | | | | | | |

Please Return to
 City of San Diego Water Dept,
 Room 903 Civic Center.

1341
 600
 711

E 7.25
 W 3.08
 E 2.17 diff

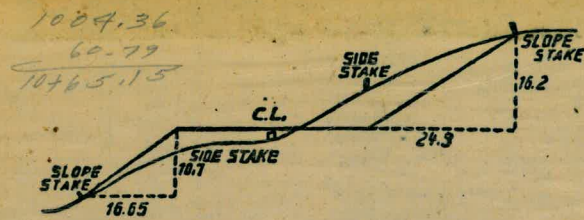
E
 E 4.85
 W .68
 2.17

30.39
 36
 37.75

7759.38

260
 200
 160

339.99
 6.37
 333.62



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
 SLOPE 1 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 | 1.65 | 1.80 | 1.95 | 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 | 4.80 | 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 | 71.20 | 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 |

THE NATIONAL BLANK BOOK COMPANY
 HOLYOKE MASSACHUSETTS
 NEW YORK CHICAGO BOSTON SAN FRANCISCO