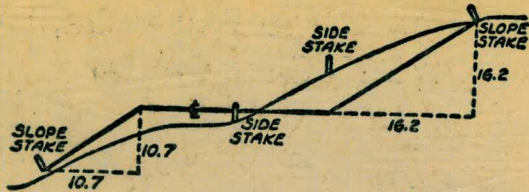


W 857



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 is 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.

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

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side or shoulder stake for any width roadway, slope $1\frac{1}{2}$ to 1. If ground is 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.

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 I may be found by dividing tangent, (or external), opposite I 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.

Handwritten calculations:
 $40 \cdot 636.6$
 40
 236
 200
 366

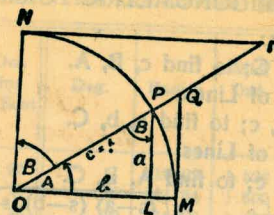


TABLE II
TRIGONOMETRIC FORMULÆ.

$$\begin{aligned} \angle A &= \angle MOP & \angle B &= \angle PON = \angle OPL \\ R &= OB = c = 1 \\ \sin A &= \frac{a}{c} = \frac{a}{1} = a = \cos B = LP \\ \cos A &= \frac{b}{c} = \frac{b}{1} = b = \sin B = OL \\ \tan A &= \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ \\ \cot A &= \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT \\ \sec A &= \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ \\ \csc A &= \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT \\ \text{vers } A &= \frac{LM}{OP} = LM = \text{covers } B \end{aligned}$$

$$\begin{aligned} \text{covers } A &= \frac{OP - LP}{OP} = OP - LP = \text{vers } B \\ \text{exsec } A &= PQ = \text{coexsec } B \\ \text{coexsec } A &= PT = \text{exsec } B \end{aligned}$$

$$\sin \frac{1}{2} A = \sqrt{\frac{1 - \cos A}{2}} \quad \cos \frac{1}{2} A = \sqrt{\frac{1 + \cos A}{2}}$$

$$\sin 2A = 2 \sin A \cos A \quad \cos 2A = \cos^2 A - \sin^2 A$$

$$\text{Law of Sines} \quad \frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

$$\text{Law of Cosines} \quad c^2 = a^2 + b^2 - 2ab \cos C$$

$$\text{Law of Tangents} \quad \frac{a+b}{a-b} = \frac{\tan \frac{1}{2}(A+B)}{\tan \frac{1}{2}(A-B)}$$

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 | 4.50 | 4.91 | 5.32 |
| 95° | .39 | .79 | 1.19 | 1.55 | 1.94 | 2.32 | 2.70 | 3.08 | 3.46 | 3.84 | 4.24 | 4.64 | 5.05 | 5.46 |
| 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 | .051 |
| 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 | .183 | .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 | .286 | .383 | .480 | .578 | .678 | .777 | .877 | .977 | 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 |

INDEX

Betw Yarmouth St + Winchester St ^{alice}
 Alley Block 242 + 241 142 ✓
 " " 237 + 238 3 ✓
 " " 243 + 244 4 + 5 ✓
 " " 246 5 ✓
 Walnut St Columbia to India 6-7 ✓
 Columbia Chalmers to Walnut 8 ✓
 6" A.C. Main + Meters
 Georgia St Myrtle to 226 36 9 ✓
 Myrtle St. Line from Georgia St 10 ✓
 & Profile 30" Pl. Durant + 34 11 ✓
 Proposed Pl. 35th Durant to ^{Imperial} 12-13 ✓
 to 300' North
 " " Francis St Durant 14-15 ✓
 to Springfield
 X " " Oriole St Toledo 16-19 ✓
 to Paradise
 X " " Springfield Oriole 20-27 ✓
 PROPOSED WAT. GAGE DR to SAN GORGONIA 24 ✓
 " " " " " " & Profile 25-26 ✓
 MADERA ^{Wonderlin} Broadway, Elev of Rdwy across Drainage ^{alice} 29 ✓
 Siks for 8" A.C. Main Gage Dr to San Gorgonia 28 ✓
 Siks for 6" A.C. ✓
 Oriole St Capistrano to Plum 31-32 ✓
 Mohawk St West at 67th Siks for 6" A.C. 33 ✓
 (OVER)

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67 TH. TO 350' WEST 33-34 ✓
Detroit to Benson
- Sts. For 6" A.C. Main 61st St 35-37 ✓
Preliminary
- Alley Bk 65 N of Landis E of 37th 38-41 ✓
- 33rd St Dotu to Elm 42-44 ✓
- Quince St 30th to 31st Preliminary 45-48 ✓
Prelim
- 31st St Redwood to Quince 49-50 ✓
alice
- Guy St, Pringle to Keating; Proposed 6" WATER 51-54 ✓
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STKS. 6" A.C. alice
- Guy St. CRAWELL TO 190' WEST 61 ✓
E of Iowa Prelim Group 22 28 alice
- Alley, 3 Bks 2+59 N of Meade 62-67 ✓
to 180' West Prelim ✓
- Mordall Terrace Kenmore Terrace 68-69 ✓
check depth of existing 10" C.I.
- Balboa St Lamont to Noyes 70 ✓
- MAGNOLIA ST 6" & 8" A.C. MAIN - STAKED 71-74 ✓
CHECK DEPTH EXISTING 10" C.I. PAGE 70
- BALBOA ST. NOYES ST. TO 12+82 EAST PAGE 75 ✓
Prelim alice
- Sea Lane Landolla to Draper Ave 76-78 ✓

Betw Yorkmouth of Windimera et

Alley Block 242 + 241

West
Martell
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14 Jan 53

| Sta | + | Hi | - | Flw |
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| | 1.41 | 8.49 | | 7.08 |
| | 5.18 | 8.71 | 4.96 | 3.53 |
| S 0+24 | | | 4.3 | 4.4 4.4 |
| S +27 | | | 4.0 | 4.7 4.6 |
| N +31 | | | 4.2 | 4.5 4.6 |
| S +52 | | West | 3.6 | 5.1 4.9 |
| S +53 | | West | 3.7 | 5.0 4.9 |
| Alley | Strandway | | | |
| N 0+36 | | | 5.6 | 3.1 2.8 2.0 |
| S +41 | | | 6.7 | 2.0 2.5 1.5 |
| N +52 | | | 6.6 | 2.1 2.0 0.7 |
| S +64 | | | 7.6 | 1.1 1.2 0.2 |
| S +83 | | East | 8.5 | 0.2 0.4 -0.6 |
| N +88 | | East | 8.5 | 0.2 0.0 -0.7 |
| S +97 | | | 8.9 | 20.2 -0.5 -0.8 |
| N +100 | | | 8.8 | 20.1 -0.5 -0.8 |
| N +39 | | | 9.7 | -1.0 -1.0 |
| N +54 | | | 9.8 | -1.1 -1.0 |
| S +77 | | | 9.8 | -1.1 -1.0 |

BM BP on Sea Wall at York of

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|-----------|---|----------------|-----|------|------|------|
| N 1780 | | 8.71 | 9.7 | -1.0 | -1.1 | 0.01 |
| N 2702 | | | 9.8 | -1.1 | -1.1 | 0.00 |
| S +18 | | | 9.6 | -0.9 | -1.2 | 0.03 |
| N +31 | | | 9.5 | -0.8 | -1.2 | 0.02 |
| S +44 | | | 9.5 | -0.8 | -1.2 | 0.04 |
| N +59 | | | 9.4 | -0.7 | -1.1 | 0.04 |
| N +82 | | | 9.4 | -0.7 | -0.7 | 0.00 |

betw Windmill + Whiting Cr

Alley BK 237 + 238

West
Motel
Varanfokis

14 Jan 53

3

| Sta | + | Hi | - | Elev | | |
|-------|-----------|------|------|------|-----------------|--------------------|
| | | 8.71 | 5.78 | 2.93 | Hi from page #2 | |
| | 5.50 | 8.43 | | | | |
| S | | | | | | |
| 0+20 | | | 4.0 | 4.4 | 4.4 | 0 0 0 |
| S | | | | | | |
| +27 | | | 4.0 | 4.4 | 4.6 | F 0 2 |
| W | | | | | | |
| +52 | | West | 2.9 | 5.5 | 5.3 | 0 0 2 |
| N | | | | | | |
| +51 | | | 3.3 | 5.1 | 5.3 | F 0 2 |
| N | | | | | | |
| +52 | | | 3.3 | 5.1 | 5.3 | F 0 2 |
| Alley | | | | | | |
| | Strandway | | | | | |
| N | | | | | 2.2 | 0 0 3 |
| 0+40 | | | 5.4 | 3.0 | 2.6 | 0 7 0 |
| S | | | | | 1.4 | |
| +74 | | | 7.0 | 1.4 | 0.7 | 0 0 2 0 0 2 |
| N | | | | | 0.8 | |
| +87 | | | 7.5 | 0.9 | 0.2 | 0 0 2 |
| N | | | | | 0.3 | |
| 1+06 | | | 7.7 | 0.7 | 0.0 | 0 0 2 |
| S | | | | | 0.0 | |
| +14 | | East | 8.0 | 0.4 | -0.5 | 0 0 2 |
| N | | | | | -0.2 | |
| +22 | | | 8.3 | 0.1 | -0.4 | 0 0 2 0 0 2 |
| N | | | | | | |
| +73 | | | 9.0 | -0.6 | -0.9 | 0 0 3 |
| N | | | | | | |
| 2+18 | | | 8.7 | -0.3 | -1.0 | 0 0 2 |
| N | | | | | | |
| +46 | | | 9.1 | -0.7 | -1.0 | 0 0 3 |
| | 6.40 | 9.63 | 5.20 | 3.23 | | |
| | | | 2.55 | 7.08 | = | 709 BM on Sea Wall |

Betw York Ct & Yarmouth Ct

Alley Block 243 + 244

West
Martell
Varon Pokis

15 Jan 53 4

| Sta | N | N1 | - | | |
|-----------------|------|------|-----|------------|-------------|
| | 1.38 | 8.46 | | 7.08 | |
| S 0+08 | | | 4.2 | 4.2 4.3 | 3.8 |
| N +20 | | | 3.9 | 4.6 | 4.8 |
| S +39 | | | 3.1 | 5.4 | 5.4 |
| S +50 | | | 2.7 | 5.8 | 5.6 |
| Alley Strandway | | | | | |
| S 0+43 | | | 6.7 | 1.8 | 2.1 1.0 |
| S +57 | | | 7.1 | 1.4 | 1.3 0.5 |
| N +64 | | | 7.1 | 1.4 | 0.9 0.2 |
| N +76 | | | 7.6 | 0.9 | 0.4 0.0 |
| S +92 | | | 8.5 | 0.0 | 0.0 -0.3 |
| S 1+06 | | | 8.7 | -0.2 | -0.4 |
| N +17 | | | 8.7 | -0.2 | -0.4 |
| N +24 | | | 8.7 | -0.2 | -0.4 |
| S +27 | | | 8.8 | -0.3 | -0.4 |
| N +55 | | | 8.8 | -0.3 | -0.4 |
| S +74 | | | 8.9 | -0.4 | -0.4 |
| S 2+02 | | | 9.1 | -0.6 | -0.4 |
| N +18 | | | 8.9 | -0.4 | -0.4 |
| N +28 | | | 9.0 | -0.5 | -0.5 |

BM on Seawall at York Ct

C 0.4
C 0.5

F 0.2

C 0.0

C 0.2

F 0.2

C 0.8

C 0.1

C 0.9

C 0.5

C 1.2

C 0.5

C 0.9

C 0.2

C 0.2

C 0.2

C 0.2

C 0.2

C 0.1

C 0.1

C 0.1

C 0.0

F 0.2

C 0.0

C 0.0

C 0.0

Alley Block 243 + 244
Cont

| | | | | | | |
|---|------|------|-----|------|------|------|
| S | 2437 | 8.46 | 9.2 | -0.7 | -0.5 | F0.2 |
| S | 2453 | | 9.1 | -0.6 | -0.5 | F0.1 |
| N | +70 | | 8.9 | -0.4 | -0.5 | C0.1 |
| S | +90 | | 8.8 | -0.3 | -0.6 | C0.3 |
| S | +97 | | 8.9 | -0.4 | -0.6 | C0.2 |
| N | +97 | | 9.1 | -0.6 | -0.5 | F0.1 |

Alley Block 246
Betw Zanzibar Ct + York Ct

| | | | | | | |
|---|------|-------|------|------|-----|--------------------|
| S | 7.23 | 10.01 | 5.68 | 2.78 | | |
| S | 0+05 | | 6.3 | 3.7 | 3.3 | C0.4 |
| N | +07 | | 6.0 | 4.0 | 3.6 | C0.4 |
| S | +53 | | 4.8 | 5.2 | 5.4 | F0.2 |
| | | | 2.91 | 7.10 | = | 7.08 BM ON SEAWALL |

Walnut St
Columbia to India
6" main

| Sta | + | Hi | - | Elm |
|------|-------|--------|-------|--------|
| | 12.87 | 109.98 | | 92.11 |
| | 12.37 | 121.45 | 0.90 | 109.08 |
| | 12.56 | 133.76 | 0.25 | 121.20 |
| | 4.94 | 138.17 | 0.53 | 133.23 |
| 0+27 | | | 2.57 | 135.6 |
| +50 | | | 4.5 | 133.7 |
| +75 | | | 9.5 | 128.7 |
| | 1.27 | 126.96 | 12.48 | 128.69 |
| 1+00 | | | 2.8 | 124.2 |
| +50 | | | 11.4 | 115.6 |
| | 1.38 | 116.34 | 12.00 | 114.96 |
| +65 | | | 3.8 | 112.5 |
| | 1.37 | 105.49 | 12.22 | 104.12 |
| 2+00 | | | 4.9 | 100.6 |
| | 0.86 | 93.74 | 12.61 | 92.88 |
| +50 | | | 6.5 | 87.2 |
| | 1.39 | 82.16 | 12.97 | 80.77 |
| 2+75 | | | 10.2 | 72.0 |
| +95 | | | 10.5 | 71.7 |

West
Martell
Varonakis

19 Jan 53

6

BM BP SF Cor. Columbia + Chalmers

134.17 132.17
257
135.60

C 4 1/2
C 6 1/2
C 4 1/2

11 1/2 Bond

C 7 1/2
C 13 1/2

C 15 1/2

C 12 1/4

C 12 1/2

C 3 1/2

82.16

139 73.18 10.37 71.79

11.98 85.07 009 73.09

12.99 97.38 0.68 84.39

0.29 97.09 = 97.11 .811

| Columbia | | | |
|--------------------|--------|----------------|------------------------|
| Chalmers to Walnut | | | |
| Sta | + | - | Elev |
| | 8.68 | 105.79 | 97.11 |
| | | 13.00 | 92.79 (Bottom) 92.1 |
| 0+80 | | 11.1 | 94.7 92.1 |
| 1+00 | | 9.8 | 96.0 93.7 |
| 1+50 | | 5.1 | 100.7 97.8 |
| | 11.95 | 117.47 | 105.52 |
| 2+00 | | 10.3 | 107.2 103.3 |
| 2+50 | | 2.1 | 115.4 111.2 |
| | 11.97 | 129.35 | 117.38 |
| 3+00 | | 6.5 | 122.9 119.1 |
| 3+50 | | 0.2 | 129.2 123.9 |
| | 12.63 | 141.75 | 129.12 |
| 4+00 | | 8.5 | 133.3 127.0 |
| 4+31 | | 8.1 | 133.7 127.6 |
| | 3.01 | 144.09 | 141.08 |
| 0-23 | | 2.0 | 142.0 136.6 |
| 0-23 | | 2.55 | 141.5 139.0 |
| | | 8.47 | 135.62 = 135.60 |
| 0+34 | Walnut | | |

20 Jan 53

West 8
Martell
Varapokis

BM BP SE Cor Chalmers + Columbia

Top existing 6" Pipe 0+80

C2.6

C2.3

C2.9

C3.9

C4.2

C3.8

C5.3

C6.3

C6.1

Fire Hyd at 3+76

Columbia St (3) west prop line

135.60

+ 2.54

138.14

- 2.30

129.84

132.30

129.84

F 2.46

Walnut 50' extension

Fire Hyd

See page 7 (0+27)

Fire Hyd 000

Georgia St (2)

Myrtle to 2+15 South

6" P.I. + Water Meters

| Sta | 2.95 | 297.00 | | 294.05 |
|-----------|-------|--------|-------|-----------------|
| 0+00 | | | 8.1 | 288.9 286.0 |
| 0 | 2.26 | 286.98 | 12.28 | 284.72 |
| 0+40 | | | 3.5 | 283.5 279.6 |
| +50 | | | 5.3 | 281.7 278.0 |
| E Wat Mtr | | | | |
| 0+79 | | | 11.8 | 275.2 278.0 |
| W Wat Mtr | | | | |
| +81 | | | 8.9 | 278.1 277.8 |
| 1+00 | | | 12.7 | 274.3 270.0 |
| E Wat Mtr | 1.71 | 276.00 | 12.69 | 274.29 |
| 1+43 | | | 4.2 | 271.8 270.6 |
| +50 | | | 4.8 | 271.2 267.4 |
| Wat Mtr | | | | |
| W. 157 | | | 4.7 | 271.3 270.0 |
| E Wat Mtr | | | | |
| A3 | | | 7.7 | 268.3 269.4 |
| 2+00 | | | 7.5 | 268.5 264.8 |
| +15 | | | 9.6 | 266.4 264.0 |
| | 12.89 | 288.59 | 0.30 | 276.70 |
| | 11.17 | 296.95 | 2.81 | 285.78 |
| | | | 2.93 | 294.02 = 294.05 |

West
Martell
Varenbakie

21 Jan 58

9

BM BP SW Cor Myrtle + Indiana

0 2⁹

0 3⁹ 6" Cross

0 3⁷

F 2.8

C 0.3

0 4³

C 1.2

0 3⁸

C 1.3

F 1.1

0 3 2

0 2 4

Stub Line on Myrtle
East from Georgia St Line

| Sta | + | Hi | - |
|------|------|--------|--------|
| | 1.06 | 289.96 | 288.90 |
| 0+04 | | 7.2 | 282.8 |
| 0+17 | | 9.3 | 280.7 |
| | 9.52 | 288.40 | 278.88 |
| 0+30 | | 12.04 | 276.36 |
| | | 8.24 | 280.16 |
| | 5.08 | 291.64 | 281.56 |
| | | 2.92 | 289.82 |

West
Market
Varenfakis

10
23 Jan 53

280.1 0 2²
280.1 0 0²

51
Ch East prop line Georgia
Flora Line "T" 0+40 Georgia

= 288.90

Profile 30" Pl.
Durant + 34th West

| Sta | + | HI | - | Elev |
|--------------------|------|-------|-------|-------------------------------------|
| | 0.77 | 30.34 | | 29.57 |
| 0+00 | | | 5.6 | 24.74 |
| | 7.82 | 25.88 | 12.28 | 18.06 |
| +32 | | | 9.3 | 16.58 |
| +50 | | | 9.5 | 16.38 |
| +52 | | | 9.65 | 17.23 +12 ⁴ to mud in |
| 1+00 X? | | | 10.3 | 14.58 |
| +11 | | | 5.6 | 20.28 |
| +14 | | | 5.5 | 20.38 |
| +28 X? | | | 7.8 | 18.08 |
| +50 | | | 7.4 | 18.48 |
| +60 ⁴⁰⁺ | | | | |
| 2+00 | | | 7.2 | 18.68 |
| +50 | | | 7.0 | 18.88 |
| | 9.58 | 31.88 | 3.58 | 22.30 |
| | | | 2.28 | 29.80 |

West
Martell
Varonfakis

11
27 Jan 53

BM BP 34th Imperial Bridge N Rail
0+00 10' N of the N.W. prop
cor Lot 10 Stratford Park Sub
Filed map # 1541

on creek bottom
could not tell bottom
passing on top of cover 9" casing

West edge creek bott

top of creek bank

1st RT to top 2" B.O. and 6" Pl

West side 34th 51

26.41

Profile Proposed PL
35th St Durant to Imperial

| | | | | |
|--------------------|-------|--------|-------|---------------|
| | 6.00 | 102.18 | | 96.16 |
| | 1.23 | 90.38 | 13.03 | 89.15 |
| | 0.10 | 77.40 | 13.06 | 77.32 |
| 0+00 | | | 6.28 | 71.14 |
| +15 | | | 6.5 | + 8.5 to flow |
| +50 | | | 7.6 | 69.8 |
| 1+10 (car on line) | | | 9.3 | 68.1 |
| +50 | | | 10.1 | 67.3 |
| 2+00 | | | 10.3 | 67.1 |
| +30 | | | 12.3 | 65.1 |
| | 1.87 | 66.55 | 12.74 | 64.68 |
| +60 | | | 6.9 | 59.7 |
| | 0.61 | 54.12 | 13.04 | 53.51 |
| 2+85 | | | 4.3 | 49.8 |
| +95 | | | 8.1 | 46.0 |
| 3+00 | | | 8.7 | 45.4 |
| +31 | | | 9.05 | 45.07 |
| +12.84 | 66.81 | | 0.15 | 53.97 |
| 12.83 | 28.84 | | 0.80 | 66.01 |
| 11.34 | 89.81 | | 0.37 | 78.47 |
| 11.03 | 99.36 | | 1.48 | 98.33 |
| | | | 3.50 | 96.14 |

West
Martell
Yaron Pakis

12

10 Feb 53

817 SE Top FH 36th + Imperial

South prop line Durant on spike
Top Survey 1911 10.21

| | |
|-------|-------|
| 0.6 | 4.0 |
| 3° RT | 10 RT |
| 8.2 | |
| 10 RT | |
| 9.8 | |
| 11 RT | |
| 9.2 | 6.8 |
| 3 RT | 5 RT |
| 7.5 | 6.7 |
| 6° RT | 10 RT |

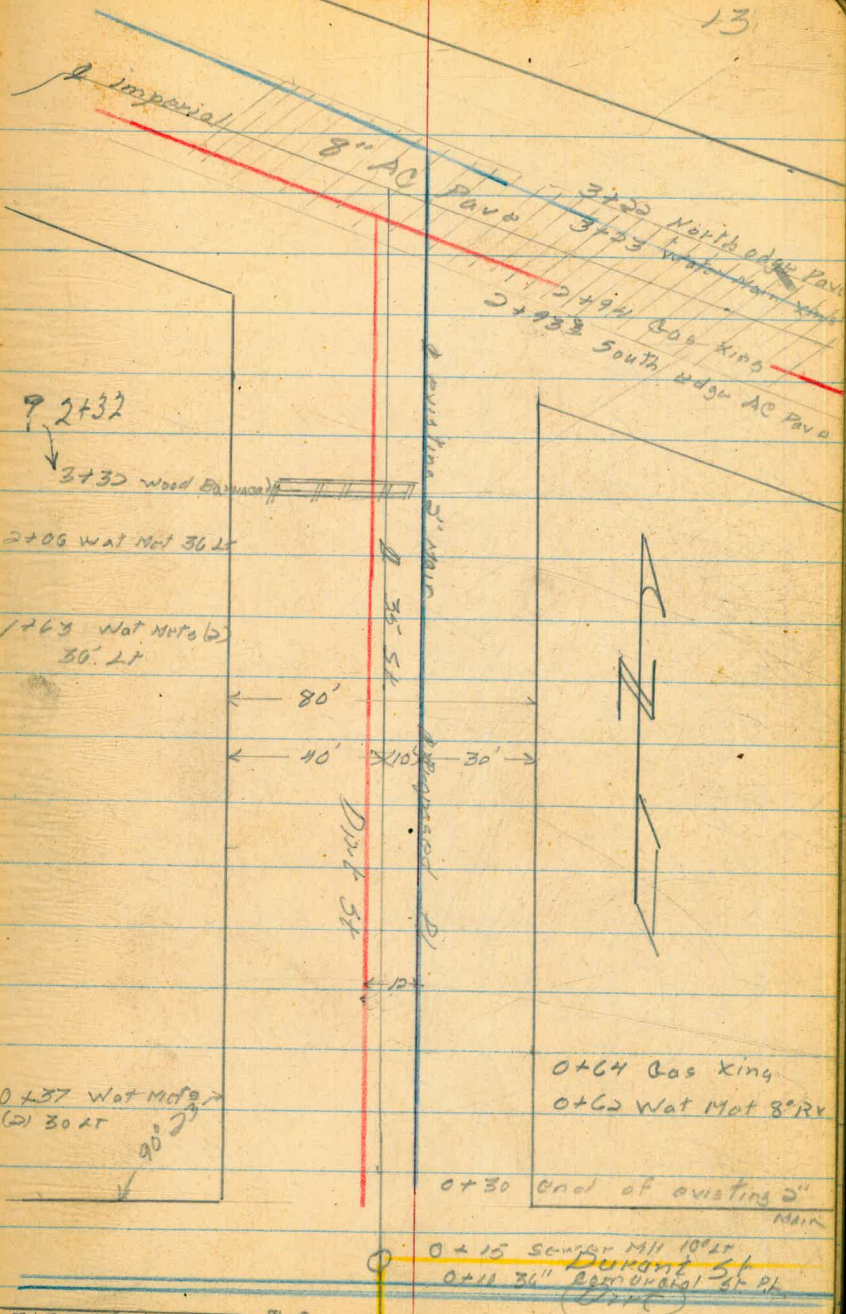
| | |
|-------|-------|
| 13.8 | 13.8 |
| 10 RT | 10 RT |
| 2.9 | 2.7 |
| 6 RT | 10 RT |

| | |
|-------|-------|
| 4.6 | 5.4 |
| 10 RT | 5° RT |
| 2.0 | 1.0 |
| 6 RT | 10 RT |

Edge oil South side Imperial

" " North " "

on a nail



0 ± 00

South prop line Durant

FD 34 11 (12) (24)

Ed Lane Map (24)

117

Profile Francis St

Wlost
Marcell
Varontakis

14
10 Feb 53

Durant
READING
P.V.

Durant
HEIGHT
ELEVATION
INSTEAD

300' North

(ELEVATION)

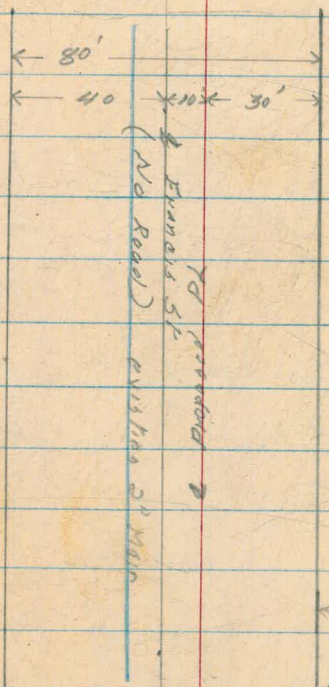
| T.P. | READING | HEIGHT | ELEVATION | INSTEAD |
|------|---------|--------|-----------|---------|
| | 0.27 | 71.35 | (-) | 71.14 |
| 0+00 | | | 3.7 | 67.5 |
| +06 | | | 5.9 | 65.4 |
| +50 | | | 7.5 | 63.8 |
| 1+00 | | | 10.7 | 60.6 |
| T.P. | 1.54 | 59.90 | 12.99 | 58.36 |
| +35 | | | 5.1 | 54.8 |
| +50 | | | 11.2 | 48.7 |
| +80 | | | 18.0 | 41.9 |
| 2+00 | | | 14.5 | 45.4 |
| +28 | | | 9.9 | 50.0 |
| +50 | | | 12.4 | 47.5 |
| T.P. | 0.61 | 47.62 | 12.89 | 47.01 |
| 2+70 | | | 6.3 | 41.3 |
| 3+00 | | | 15.2 | 32.4 |
| T.P. | 7.01 | 48.24 | 6.39 | 41.23 |
| | | | 3.12 | 45.12 |

0+00 spike on 35^m See page 12

South prop line Durant

Ball of Draw

45.07 on nail 31.31 See page 12



0+60 Wat Met
50' dr
0+50 end 2' Main

0+30 9° RI Dead
Mon

0+00

South prop line Durant

0+17 36" Comercial St
170th

Profile Proposed PL

Oriole St Tooley to Springfield

| Sta | + | HI | - | |
|-------|---|--------|------|--------|
| 12.65 | | 424.29 | | 411.64 |
| 12.07 | | 435.93 | 0.43 | 433.86 |
| 12.76 | | 448.64 | 0.05 | 435.88 |
| 290 | | 449.64 | 1.90 | 446.74 |
| 2.69 | | 451.02 | 1.31 | 448.33 |
| 0+00 | | | 12.5 | 438.7 |
| +11 | | | 11.6 | 439.4 |
| +21 | | | 9.4 | 441.6 |
| +35 | | | 3.1 | 447.9 |
| +50 | | | 3.7 | 447.3 |
| +60 | | | 3.0 | 448.0 |
| 1231 | | 463.17 | 0.16 | 450.86 |
| 1+00 | | | 10.1 | 453.1 |
| +50 | | | 4.1 | 459.1 |
| 5.99 | | 468.04 | 1.12 | 462.05 |
| 2+00 | | | 5.8 | 462.2 |
| +50 | | | 4.9 | 463.1 |
| +54 | | | 7.33 | 463.7 |
| +59 | | | 4.06 | 464.0 |

West
Williams
Varonakis

7-2-53

16

BM Top F.H. S.E. Cor Tooley + Winnetka

7-7-53

TBM Cora Men on Oriole St Tooley + east Line

| | | | |
|--|-------|-------|--|
| | 11.8 | 16.9 | |
| | 10.11 | 40.81 | |
| | 439.2 | 434.1 | |
| | 448.1 | 444.7 | |
| | 2.9 | 6.3 | |
| | 77.71 | 40.21 | |
| | 448.1 | 446.1 | |
| | 451.5 | 447.3 | |
| | 448.1 | 446.3 | |
| | 12.2 | 4.9 | |
| | 50.5 | 20.1 | |
| | 453.2 | 452.7 | |
| | 3.7 | 9.7 | |
| | 50.1 | 19 | |
| | 462.7 | 459.2 | |
| | 0.5 | 4.0 | |
| | 8 | 18 | |
| | 462.9 | 461.5 | |
| | 5.1 | 5.9 | |
| | 20.21 | 20 | |
| | 462.9 | 462.1 | |
| | 4.0 | 4.9 | |
| | 463.5 | 463.7 | |
| | 4.5 | 5.5 | |
| | 20 | 21 | |
| | 463.1 | 463.1 | |
| | 4.9 | 4.9 | |
| | 20 | 40 | |
| | 463.1 | 463.1 | |

North edge same Drive 20' 21'

South " " " 20' 21'

| | | | | |
|------|--------|--------|-------|--------|
| 3+00 | 468.04 | 4.7 | 463.3 | |
| +50 | | 5.4 | 462.6 | |
| +55 | | 4.98 | 463.1 | |
| +65 | | 5.10 | 462.9 | |
| 4+00 | | 8.5 | 459.5 | |
| | 1.27 | 463.46 | 5.85 | 462.19 |
| +50 | | 11.9 | 451.6 | |
| | 2.07 | 452.59 | 12.94 | 450.52 |
| 5+00 | | 7.3 | 445.3 | |
| | 0.73 | 441.08 | 12.24 | 440.35 |
| +35 | | 10.4 | 430.7 | |
| | 0.05 | 428.48 | 12.62 | 428.46 |
| +50 | | 2.7 | 425.8 | |
| | 1.24 | 417.12 | 12.60 | 415.88 |
| 6+00 | | 4.9 | 412.2 | |
| | 1.78 | 406.42 | 12.48 | 404.64 |
| +50 | | 11.4 | 395.0 | |
| | 1.59 | 395.11 | 12.90 | 393.52 |
| +65 | | 8.4 | 386.7 | |

West
Williams
Varanforks

7-10-53 17

| | |
|--------------------|----------------------|
| 463.5 | 463.3 |
| $\frac{4.5}{20}$ | $\frac{4.7}{40}$ |
| $\frac{5.2}{20}$ | $\frac{4.7}{40}$ |
| 461.8 | 463.3 |
| North edge | Baro Driveway 20'21" |
| South " | " " 20'21" |
| $\frac{8.0}{20}$ | $\frac{3.0}{40}$ |
| 460.0 | 461.0 |
| 40 RT | 452.3 |
| 3+92 | 449.3 |
| Top NW | edge with box |
| $\frac{14.3}{20}$ | $\frac{11.3}{20}$ |
| $\frac{43.6}{20}$ | $\frac{9.8}{30}$ |
| 435.7 | 447.6 |
| end of | 16.9 |
| Dirt road | $\frac{16.2}{20}$ |
| $\frac{428.5}{20}$ | $\frac{5.0}{20}$ |
| 428.5 | 447.6 |
| $\frac{12.0}{20}$ | $\frac{4.1}{30}$ |
| 424.4 | 437.0 |
| $\frac{4.1}{20}$ | 431.5 |
| 416.78 | $\frac{4.0}{40}$ |
| $\frac{6.2}{20}$ | 416.1 |
| 394.9 | $\frac{1.0}{40}$ |
| $\frac{12.5}{20}$ | 400.2 |
| 387.9 | 400.2 |
| $\frac{7.0}{20}$ | 387.0 |
| 387.9 | $\frac{6.0}{40}$ |
| $\frac{8.1}{20}$ | 392.2 |
| Small private | Dirt road |

H.I.

| | | | |
|-------|--------|-------|--------|
| 6+89 | 395.11 | 10.1 | 385.0 |
| 0.65 | 383.24 | 12.52 | 380.59 |
| 7+00 | | 2.8 | 380.4 |
| +35 | | 12.9 | 370.3 |
| +50 | | 17.4 | 365.8 |
| 2.37 | 373.58 | 12.03 | 371.21 |
| 8+00 | | 13.7 | 359.9 |
| 0.85 | 361.65 | 12.78 | 360.80 |
| +50 | | 7.2 | 354.4 |
| 9+00 | | 12.7 | 348.9 |
| 0.35 | 350.00 | 12.00 | 349.65 |
| +50 | | 6.7 | 343.3 |
| 10+00 | | 13.3 | 336.7 |
| 0.19 | 337.25 | 12.94 | 337.06 |
| +50 | | 2.3 | 328.9 |
| +75 | | 12.4 | 324.8 |
| | | 2.78 | 334.47 |

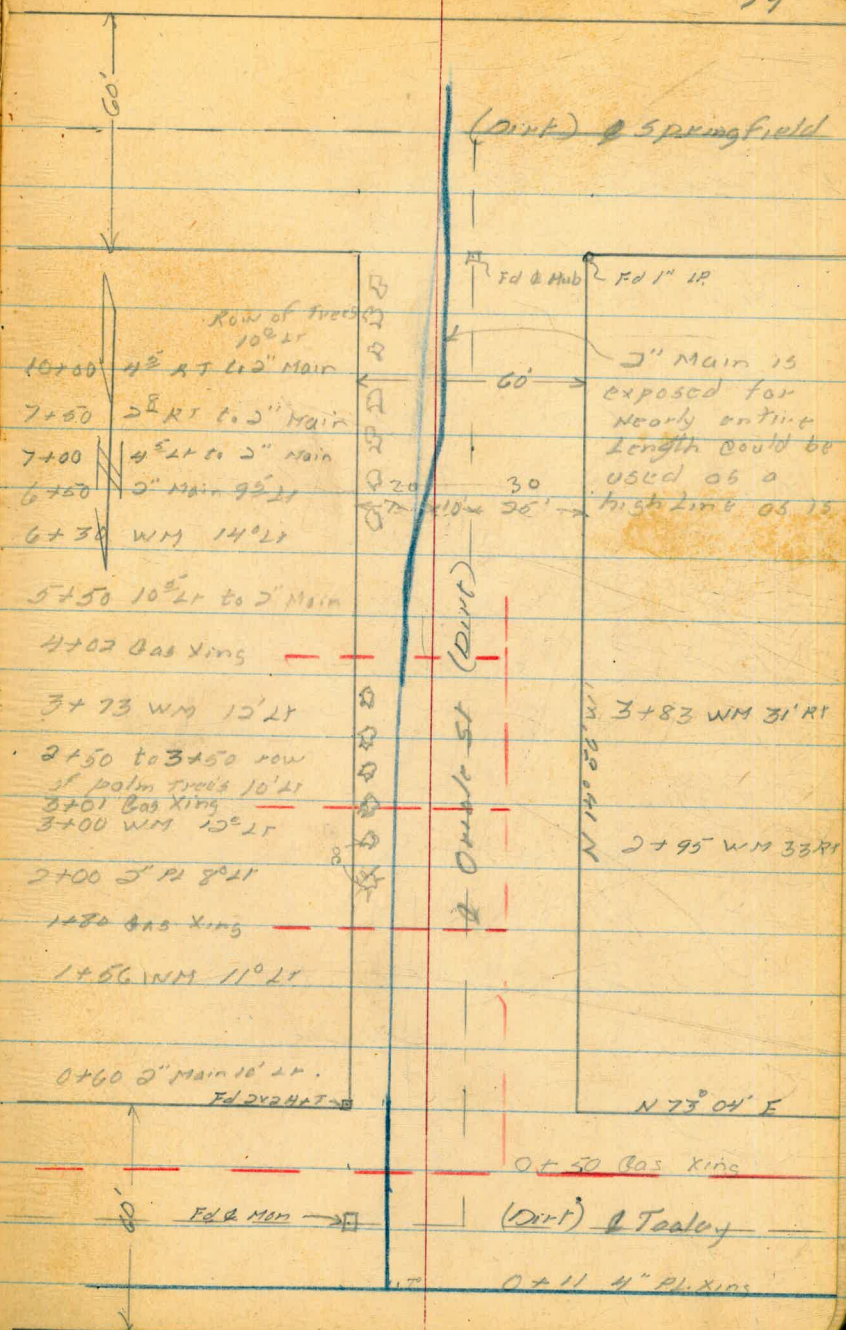
| | | | |
|-------|------|-------|-------|
| | 12.3 | 10.0 | 384.9 |
| 379.9 | 20 | 14.9 | 378.9 |
| 4.3 | 20 | 4.3 | 378.9 |
| 558.2 | 20 | 36.2 | 371.6 |
| 15.4 | 20 | 15.4 | 361.9 |
| 11.7 | 10 | 11.7 | 361.9 |
| 359.2 | 20 | 359.2 | 361.9 |
| 2.5 | 20 | 2.5 | 359.2 |
| 10.4 | 20 | 10.4 | 352.9 |
| 15.8 | 20 | 15.8 | 352.9 |
| 8.6 | 20 | 8.6 | 352.9 |
| 345.8 | 20 | 345.8 | 352.9 |
| 9.3 | 20 | 9.3 | 345.8 |
| 15.4 | 20 | 15.4 | 345.8 |
| 9.9 | 20 | 9.9 | 345.8 |
| 333.3 | 20 | 333.3 | 345.8 |
| 4.0 | 40 | 4.0 | 345.8 |
| 14.7 | 20 | 14.7 | 345.8 |
| 7.0 | 40 | 7.0 | 345.8 |

Turn of city engs Hub & Orville
and North Line Springfield

Proposed Pl. Onide St
Tooley to Springfield

10+17 ²⁵

North Prop Line Springfield



0+00

North Prop Line Tooley

Q Profile Proposed PL
Springfield Oriole to Paradise

| Sta | + | Hi | - | |
|-------------------|-------|--------|------|--------|
| | 0.43 | 334.90 | | 334.47 |
| 0+00 | | | 1.8 | |
| +50 | | | 8.7 | |
| +54 | | | 9.1 | |
| +56 | | | 8.1 | |
| +71 | | | 8.5 | |
| 1+00 | | | 11.2 | |
| +10 | | | 10.4 | |
| | 11.72 | 346.43 | 0.19 | 334.71 |
| +50 | | | 11.7 | |
| 2+00 | | | 1.1 | |
| | 12.47 | 358.50 | 0.40 | 346.03 |
| +50 | | | 3.2 | |
| | 12.24 | 370.37 | 0.37 | 358.13 |
| 3+00 | | | 7.6 | |
| | 12.81 | 382.93 | 0.25 | 370.12 |
| +50 | | | 12.6 | |
| 4+00 | | | 4.4 | |
| +06 ¹² | | | 3.9 | |
| | 12.86 | 395.71 | 0.08 | 382.85 |

West
Williams
Varonfakis

20

7-15-55

Q See page 18
Q city engis 2x2 Hub Q Oriole st

| | | |
|--------------------|-----------------|----------------------|
| $\frac{+3.4}{7.3}$ | $\frac{0.5}{6}$ | $\frac{3.7}{70.RT}$ |
| $\frac{6.7}{70}$ | $\frac{6.6}{8}$ | $\frac{7.5}{5}$ |
| | | $\frac{10.6}{70.RT}$ |

} small private dirt road

$\frac{13.4}{70}$

$\frac{11.3}{70.RT}$

| | | | | |
|-------------------|-------|--------|-------|--------|
| 4+50 | | 395.71 | 9.1 | |
| | 11.84 | 406.69 | 0.86 | 394.85 |
| 5+00 | | | 8.7 | 398.0 |
| +18 ⁰⁰ | POT | | 5.8 | 400.9 |
| +50 | | | 3.5 | 403.2 |
| 6+00 | | | 1.3 | 405.4 |
| | 2.47 | 408.76 | 0.40 | 406.29 |
| +50 | | | 2.5 | 406.3 |
| 7+00 | | | 3.1 | 405.7 |
| +25 | POT | | 3.8 | 405.0 |
| +36 | | | 7.3 | 401.5 |
| +50 | | | 9.7 | 399.1 |
| | 7.14 | 403.22 | 12.68 | 396.08 |
| 8+00 | | | 9.2 | 394.0 |
| +50 | | | 11.0 | 392.2 |
| 9+00 | | | 7.8 | 395.4 |
| | 12.39 | 415.14 | 0.47 | 402.75 |
| +50 | | | 11.3 | 403.8 |
| +61 | | | 6.2 | 408.9 |
| +91 | | | 3.5 | 411.6 |

2

| | | |
|------------------|---------------------|-------------------|
| $\frac{2.9}{10}$ | $\frac{6.3}{5}$ | $\frac{7.3}{10}$ |
| $\frac{5.5}{12}$ | $\frac{8.4}{6}$ | $\frac{11.3}{10}$ |
| $\frac{4.1}{17}$ | $\frac{6.5}{12}$ | $\frac{11.5}{12}$ |
| $\frac{5.1}{17}$ | $\frac{8.1}{12.25}$ | $\frac{13.7}{10}$ |
| $\frac{2.0}{14}$ | $\frac{4.9}{10}$ | $\frac{10.1}{10}$ |
| $\frac{6.9}{10}$ | $\frac{9.5}{5}$ | $\frac{14.0}{10}$ |
| | $\frac{5.3}{7}$ | $\frac{9.3}{10}$ |

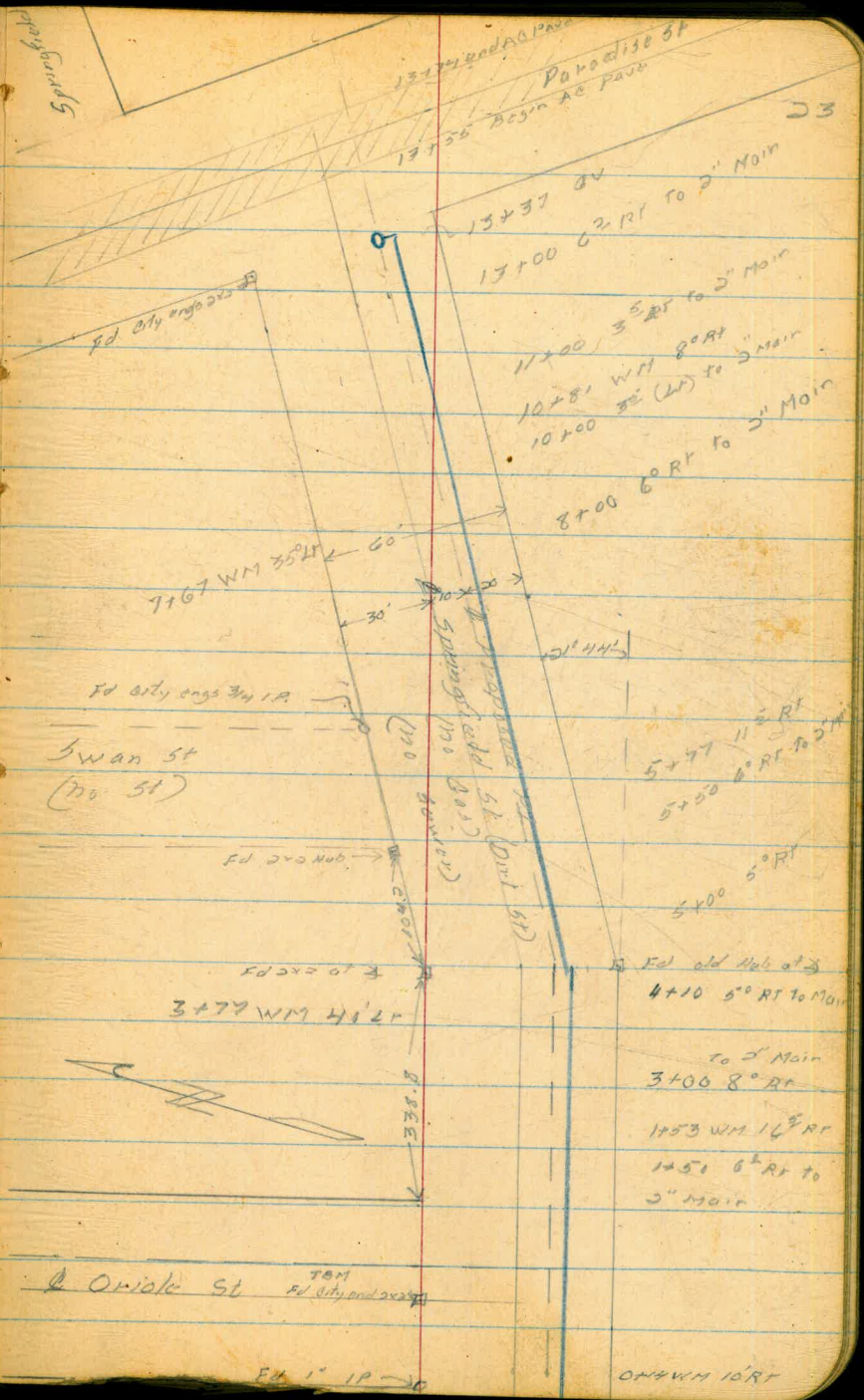
| | | | |
|-----------------------|--------|----------|--------|
| 10+00 | 415.14 | 1.1 | 414.0 |
| 12.49 | 427.51 | 0.12 | 415.02 |
| +50 | | 6.6 | 420.9 |
| 12.16 | 439.29 | 0.38 | 427.13 |
| 11+00 | | 9.8 | 429.5 |
| +50 | | 4.3 | 435.0 |
| +60 ^{SL} POT | | 3.9 | 435.4 |
| 12+00 | | 4.0 | 435.3 |
| +50 | | 5.4 | 433.9 |
| 13+00 | | 8.1 | 431.2 |
| 7.47 | 436.92 | 9.84 | 429.45 |
| +37 | | 14.19 | 422.7 |
| +50 | | 9.7 | 427.2 |
| +55 | | 10.60 | 426.3 |
| +74 | | 10.85 | 426.1 |
| +80 | | 9.7 | 427.2 |
| +93 ^{ex} | | 9.7 | 427.2 |
| | 2.60 | 434.32 = | |

$\frac{1.9}{10}$ $\frac{1.1}{5}$ $\frac{3.0}{7}$
 $\frac{6.4}{5}$ Pr $\frac{5.9}{4}$ Pr $\frac{5.6}{10}$ Pr
 Road Bank
 $\frac{1.0}{6}$ $\frac{4.0}{5.5}$
 $\frac{2.1}{6}$ $\frac{4.2}{5}$
 $\frac{6.2}{10}$ $\frac{5.5}{8}$ $\frac{7.4}{5}$
 $\frac{5.5}{2}$ $\frac{7.0}{8.0}$ $\frac{8.6}{10.5}$
 $\frac{9.8}{10}$ Pr
 Top stem on $\frac{3.07}{5.12} = 4.18$
 South edge AD Pave $\frac{9.5}{10}$ $\frac{10.2}{10}$
 North edge AD Pave $\frac{9.4}{10}$ $\frac{11.9}{10}$
 434.17 Top FH NE Cor Springfield + Paradise

100
25
5177

13+98⁶³

East Prop Line Paradise



11+60⁵¹

POT

7+25

POT

5+18⁰⁹

POT

Note this angle in Tie Book matches hubs on Ground

4+06¹⁹

21° 44' LT (21° 47' Record)

Swan St
(No St)

Oriole St

0+00

South Prop Line Oriole St

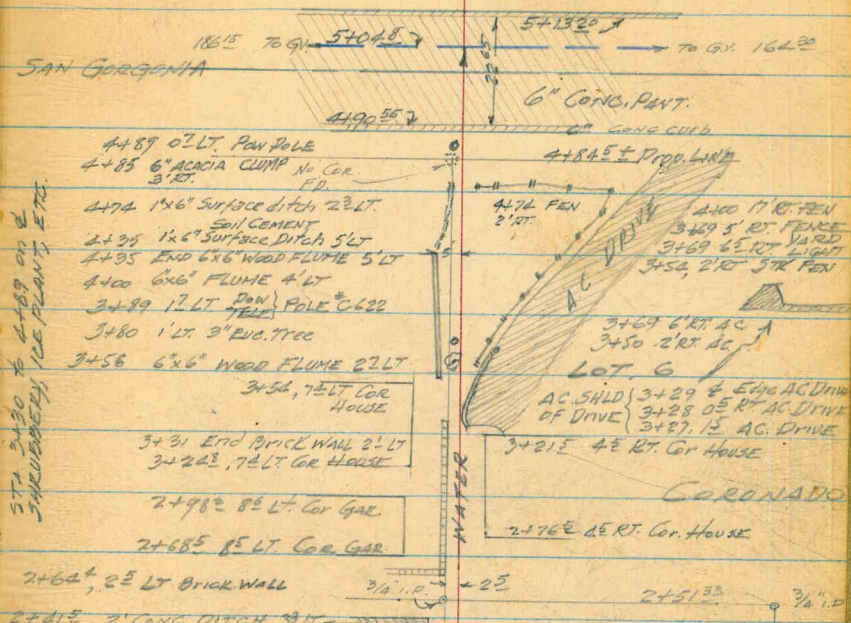
23

GAGE DR. To SAN GORGONIA
THRU 5' EASEMENT
PROPOSED WATER

AUG. 12 1953 BEATTY
MARTELL
ALEXANDER

5+04.8 Intersection with 6" Exist WAT.

4+80.5 Wly Prop line SAN GORGONIA



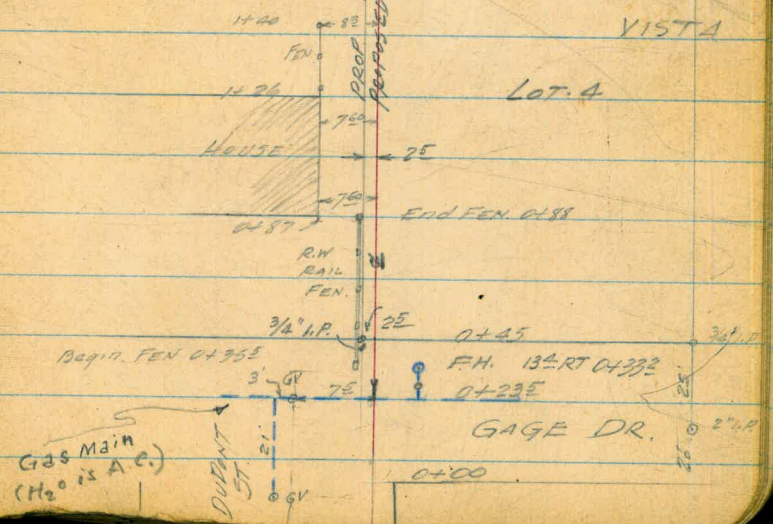
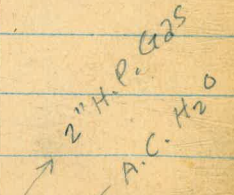
STA 5+30 TO 4+89 OR 2
SHOULD BE PLANT, ETC.

2+51.33 PROP. LINE

0+45 Fly prop line GAGE DR

0+23.5 Intersection with 6" Exist WAT

0+00 = Wly Prop. Line GAGE DR



GAGE DR TO SAN GORGONIA⁰
& Profile

8/12/53

25

| | | | | |
|---------|------|--------|-------|--------|
| B.M. | 1.77 | 295.37 | | 293.60 |
| IP | 0.12 | 282.43 | 13.06 | 282.31 |
| SET TBM | 0.13 | 271.54 | 11.02 | 271.41 |
| 0+23 E | | | 2.55 | 269.0 |
| 0+28 | | | 2.65 | 268.9 |
| 0+35 | | | 1.7 | 269.8 |
| 0+45 | | | 3.2 | 268.3 |
| +50 | | | 3.7 | 267.8 |
| 1+00 | | | 5.4 | 266.1 |
| +50 | | | 7.2 | 264.3 |
| 2+00 | | | 10.0 | 261.5 |
| IP | 0.57 | 259.55 | 12.56 | 258.98 |
| +50 | | | 3.4 | 256.2 |
| +63 | | | 7.1 | 252.5 |
| +69 | | | 7.2 | 252.4 |
| +70 | | | 8.5 | 251.1 |
| 3+00 | | | 8.9 | 250.7 |
| +90 | | | 9.3 | 250.3 |
| +50 | | | 11.7 | 247.9 |

DR. Dudley & Silvergate

Top F.H. Gage Dr. & Dupont

on 1 1/2" A.C.

Edge 1/2" A.C.

yard elev. 9.5
3

yard elev. 9.8
3

86 8.6 71
1. 15 2
AC. shld

GAGE DR. To SAN GORGONIA⁰
& Profile

8/14/53

26

| | | | | |
|--------------------|--------|--------|--------|--------|
| | 259.55 | | | |
| 3+60 | | 13.4 | 246.2 | |
| IP | 0.28 | 246.55 | 13.28 | 246.27 |
| +70 | | 5.5 | 241.1 | |
| +80 | | 9.6 | 237.0 | |
| IP | 0.22 | 234.50 | 12.27 | 234.28 |
| 4+00 | | 3.4 | 231.1 | |
| +20 | | 7.9 | 226.6 | |
| +50 | | 12.2 | 222.3 | |
| IP | 0.16 | 222.34 | 12.32 | 222.18 |
| +75 | | 2.6 | 219.7 | |
| 4+90 ⁵ | | 4.90 | 217.4 | |
| 4+90 ⁶ | | 5.46 | 216.9 | |
| 5+00 | | 5.38 | 217.0 | |
| 5+04 ⁸ | | 5.35 | 217.0 | |
| 5+13 ¹² | | 5.35 | 217.0 | |
| 5+13 ²⁰ | | 5.00 | 217.3 | |
| SET TBM | | 8.45 | 213.9 | |
| | 210.54 | | | |
| IP | 1.14 | 212.54 | 12.94 | 211.40 |
| IP | 0.40 | 209.29 | 12.65 | 209.40 |
| IP | 1.01 | 186.06 | 13.24 | 187.05 |
| CR | | 7.50 | 180.56 | 178.56 |
| | | 7.08 | 180.26 | 178.98 |
| | | 3.86 | 182.20 | 182.20 |

Nail in post pole

Top FEN POST

Top Curb

Base Curb

Base Curb

Top Curb

on Prop. Cor Tag. 40 RT. 5+13²⁰

41 5.8
4 3

3.4
5

8.1
5

8.2
5

3.2
5

2.9
5

7.3
5

7.0

11.4
E of ditch 2.5
4

11.0
4

12.6
5

MADERA ST.
WUNDERLIN To BROADWAY
Elev of Rdwy across
Drainage, etc.

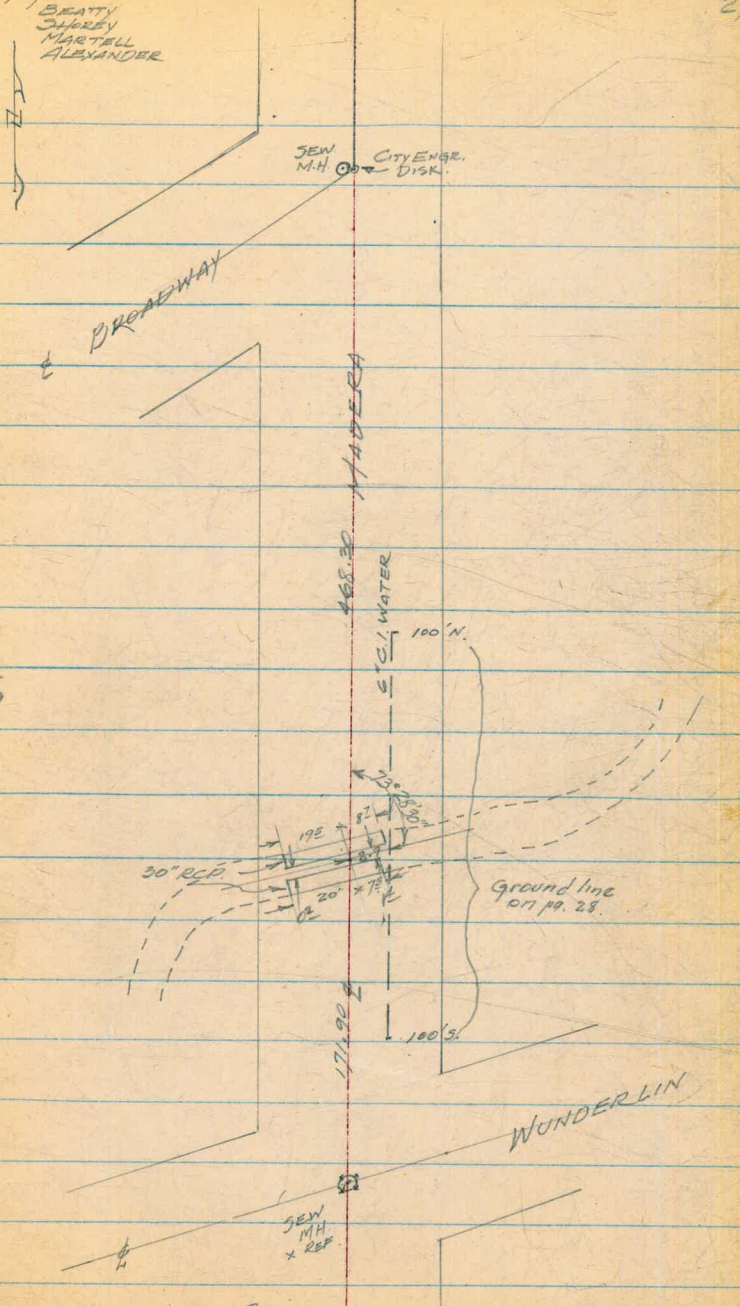
| | | | |
|----------------------------|------|--------|--------|
| BM. | 921 | 258.03 | 248.82 |
| ± MADERA (Dirt Street) | 5.2 | 252.8 | |
| 6' RT. SHldr of Road. | 4.8 | 253.2 | |
| 9' RT. ± drainage Channel | 7.4 | 250.6 | |
| 8' 90' RT. Top 6" CI WATER | 3' W | 6.37 | 251.66 |
| | ± | 6.33 | 251.70 |
| | 4' S | 6.30 | 251.73 |
| 50' RT. ± drainage Channel | 6.5 | 251.5 | |
| ± Inlet Sly 30" RCP | 7.50 | 250.03 | |
| ± Inlet Nly 30" RCP. | 7.79 | 250.24 | |
| 18' LT. Shldr Road | 5.6 | 252.4 | |
| ± outlet Sly 30" RCP | 9.29 | 248.54 | |
| ± outlet Nly 20" RCP | 8.42 | 249.61 | |
| 20' LT. ± drainage Channel | 8.1 | 249.9 | |
| 50' LT. ± drainage Channel | 8.5 | 249.5 | |
| ck BM. | 921 | 248.82 | |

± MADERA

| | | | |
|--------|-----------------|-----|-------|
| 121.90 | Nly ± Wunderlin | 6.5 | 251.8 |
| 171.90 | " " " | 5.2 | 252.8 |
| 221.90 | " " " | 4.2 | 253.8 |

Nov. 20, 1953
BEATTY
SHREY
MARTELL
ALEXANDER

| |
|--------|
| 468.30 |
| 171.90 |
| 640.20 |



MADERA ST

Cont'd

(see sketch pg 27)

12/9/53

28.

| | 7.75 | 259.45 | 251.70 | Top 6" C.I. |
|------------------------|------|--------|--------|-------------|
| P | | | | |
| 0+00 = 2 6" WATER | | | 8.7 | 250.8 |
| 0+07 Nly | | | 6.0 | 253.5 |
| 0+25 Nly. | | | 5.9 | 253.6 |
| 0+50 Nly. (Edge Road.) | | | 5.9 | 253.6 |
| 0+75 Nly. | | | 5.1 | 254.4 |
| 1+00 Nly. | | | 4.3 | 255.2 |
| 0+04 Sly. | | | 8.1 | 251.4 |
| 0+05 Sly | | | 6.1 | 253.4 |
| 0+25 Sly | | | 6.2 | 253.3 |
| 0+50 Sly | | | 6.7 | 252.8 |
| 0+75 Sly. | | | 7.6 | 251.9 |
| 1+00 Sly | | | 8.2 | 250.6 |
| ck TP | 7.75 | 251.70 | | |

Stks for 8" AC Main
 Base St. to San Geronimo St

+ HI - FL

| | | | | | |
|--------|------|--------|-------|--------|-------|
| B.M. | 0.45 | 271.86 | | 271.41 | |
| 0+24 | | | 2.9 | 269.0 | 265.4 |
| +50 | | | 3.8 | 268.1 | 264.4 |
| 1+00 | | | 5.8 | 266.1 | 263.5 |
| +50 | | | 7.8 | 264.1 | 260.8 |
| 2+00 | | | 10.7 | 261.2 | 257.0 |
| T.P. | | | | | |
| 2+12.5 | 1.44 | 261.21 | 12.09 | 259.77 | 255.7 |
| 2+37.5 | | | 3.7 | 257.5 | 252.2 |
| +50 | | | 5.3 | 255.9 | 251.8 |
| +62.5 | | | 8.4 | 252.8 | 249.7 |
| +75 | | | 10.8 | 250.4 | 248.9 |
| +87.5 | | | 10.8 | 250.4 | 248.5 |
| 3+00 | | | 10.9 | 250.3 | 248.4 |
| +25 | | | 10.8 | 250.4 | 248.3 |
| +30 | | | 10.8 | 250.4 | 248.2 |
| +45 | | | 12.0 | 249.2 | 244.3 |
| T.P. | | | | | |
| 3+50 | 0.05 | 248.19 | 13.07 | 248.14 | 242.8 |
| T.P. | 1.61 | 236.81 | 12.99 | 235.20 | |
| 4+00 | | | 5.9 | 232.9 | 227.7 |

West
 Williams
 Varonfakis
 Kemp T

12-14-53

29

| | |
|--------|---------------|
| Top FH | Base + Dupont |
| C3 | <u>6</u> |
| C3 | <u>7</u> |
| C2 | <u>6</u> |
| C3 | <u>3</u> |
| C4 | <u>2</u> |
| C4 | <u>1</u> |
| C5 | <u>3</u> |
| C4 | <u>1</u> |
| C3 | <u>1</u> |
| C1 | <u>5</u> |
| C1 | <u>9</u> |
| C1 | <u>9</u> |
| C2 | <u>1</u> |
| C2 | <u>2</u> |
| C4 | <u>9</u> |
| C5 | <u>3</u> |
| C3 | <u>2</u> |

GAGE ST TO GORCONIA
 236.81 (CONT)
 HI - EL

WEST
 WILLIAMS
 VARONFAK
 KEMP T

4+12.5 8.2 228.6 224.5

C4 $\frac{1}{8}$

+25 10.2 226.6 221.8

C4 $\frac{4}{4}$

+37.5 11.8 225.0 219.6

C5

T.P. 2.03 226.76 12.08 224.73

4+50 3.2 223.6 217.9

C5 $\frac{7}{3}$

5+05 9.3 217.5 213.2

C4

T.P. 1.46 218.88 9.34 217.42

CHECK
 To B.M.

4.96 213.92 = 213.89

ON PROF

Top of EXISTING MAIN

0.08 271.49 271.41

Top of

0+45 5.74

Top

0+45 2.7

Top

2+51³³ 15.7

Top of Ground

2+51³³ 15.5
 3.5
 19.0 252.5

Top of 8" AC pipe

0.08 271.41 = 271.41

Installed - W.O. 27985
 Call Bull on 291
 6627-2

6" AC - So of Capistans St
 To N. of Plum
 1100' of 6" AC
 C.F. ÷ 1-54

West 12.53

GAGE ST. TO GORCONIA
 236.81 (CONT)
 HI - EL

4+12.5 8.2 228.6 224.5

+25 10.2 226.6 221.8

+37.5 11.8 225.0 219.6

T.P. 2.03 226.76 12.08 224.73

4+50 3.2 223.6 217.9

5+05 9.3 217.5 213.2

T.P. CHECK 1.46 218.88 9.34 217.42

To B.M. 4.96 213.92 = 213.89

Top of EXISTING MAIN

0.08 271.49 271.41

0+45 5.74

0+45 2.7

2+51³³ 15.7

2+51³³ 15.5
 3.5
 19.0 252.5

0.08 271.41 = 271.41

WEST
 WILLIAMS
 VARONFAKIS †
 KEMP †

30

C4 ¹

C4 ⁸

C5 ⁴

C5 ⁷

C4 ³ END WORK

ON PROP COR. TAG 40' RT. 5+13²⁰

Top of FH Gage + Dupont

Top of 8" AC pipe

Top of Ground

Top

Top

Quimby St Capistrano
to Plumb

| | | | | |
|---------------------|-------|--------|-------|-------------|
| | 10.95 | 83.36 | 72.41 | |
| 0+00 | | | 2.1 | 81.3 79.0 |
| 0 | 12.53 | 93.71 | 2.18 | 81.18 |
| +50 | | | 11.5 | 82.2 79.2 |
| 1+00 | | | 10.2 | 83.5 80.0 |
| +50 | | | 8.3 | 85.4 82.6 |
| 2+00 | | | 5.6 | 88.1 85.0 |
| +50 | | | 2.9 | 90.9 87.6 |
| 3+00 | 12.09 | 105.57 | 0.23 | 93.48 90.0 |
| +50 | | | 9.5 | 96.1 92.0 |
| 4+00 | | | 7.3 | 98.3 95.0 |
| +50 | | | 5.5 | 100.1 97.2 |
| 5+00 | | | 4.1 | 101.5 98.0 |
| +50 | | | 3.0 | 102.6 99.5 |
| 6+00 | | | 2.1 | 103.5 100.5 |
| +50 | | | 1.2 | 104.4 101.3 |
| | 12.57 | 118.05 | 0.09 | 105.48 |
| 7+00 | | | 12.6 | 105.5 102.2 |
| +02 ³⁴ X | | | 12.5 | 105.6 102.2 |

West
Williams
Varonfaka
Kemp

10-15-53

31

JBM Top SW Elev Hyd Capistrano + Pot
C 3 ³

C 3 ⁰

C 3 ⁵

C 2 ⁸

C 3 ¹

C 3 ³

C 3 ⁵

C 4 ¹

C 3 ³

C 2 ⁹

C 3 ⁵

C 3 ¹

C 3 ⁰

C 3 ¹

C 3 ³

C 3 ⁴

118.05

| | | | | | |
|--------------------|-------|--------|--------|--------|-------------------|
| 7+50 | | 11.8 | 106.3 | 103.0 | C 3 $\frac{3}{3}$ |
| 8+00 | | 10.7 | 107.4 | 104.0 | C 3 $\frac{4}{3}$ |
| 8+25 ⁵² | | 10.4 | 107.7 | 104.5 | C 3 $\frac{2}{3}$ |
| 8+50 | | 8.5 | 109.6 | 106.0 | C 3 $\frac{5}{3}$ |
| | 12.87 | 130.64 | 0.28 | 117.77 | |
| 9+00 | | 6.0 | 124.6 | 120.0 | C 4 $\frac{6}{6}$ |
| | 12.39 | 142.72 | 0.31 | 130.33 | |
| 9+50 | | 3.5 | 139.2 | 136.0 | C 3 $\frac{2}{3}$ |
| | 12.44 | 155.02 | 0.14 | 142.58 | |
| 10+00 | | 1.9 | 153.1 | 150.1 | C 3 $\frac{0}{3}$ |
| | 12.94 | 167.58 | 0.28 | 154.74 | |
| | 11.01 | 177.97 | 0.72 | 166.86 | |
| 10+45 | | 10.4 | 167.5 | 164.0 | C 3 $\frac{5}{3}$ |
| | 0.45 | 172.10 | 6.22 | 171.65 | |
| | | 10.58 | 161.52 | | 161.33 |

Mohawk St 6° AC Main
67th to 350' West

STA. Bowman St HI Mohawk to Terrace
+ EL.

| B.M. | 3.97 | 453.37 | 449.40 |
|--------------|------|--------|----------------------|
| 0+20 | | 4.0 | 449.4 446.2 |
| +50 | | 4.6 | 448.8 445.2 |
| 1+00 | | 6.3 | 447.1 443.6 |
| +50 | | 7.8 | 445.6 442.0 |
| 2+00 | | 7.7 | 445.7 441.6 |
| +50 | | 7.4 | 446.0 441.4 |
| 2+64 T.P. | 5.11 | 451.07 | 7.41 445.96 441.2 |
| 2+64 | | 4.2 | 446.9 444.7 |
| 2+81.93 | | 5.3 | 445.8 441.2 |
| 2+82 | | 5.8 | 445.3 444.6 444.0 |
| 3+00 | | 5.3 | 445.8 441.0 443.8 |
| 3+02 | | 5.8 | 445.3 444.4 |
| +50 | | 7.3 | 443.8 440.8 |
| 0+50 | | 4.3 | 446.8 441.8 446.4 |
| +49 | | 4.2 | 446.9 445.8 |
| +63 | | 3.4 | 447.7 446.0 |
| +80 | | 3.7 | 447.4 446.2 446.5 |
| 1+00 | | 3.9 | 447.2 442.4 |

West X
Williams
Varonakis
Kump 9

10-25-53

33

JBN Nail In Power Pole S.W. Cor. 67+Bowman

C3 $\frac{2}{6}$
C3 $\frac{6}{5}$
C3 $\frac{5}{6}$
C3 $\frac{6}{1}$
C4 $\frac{6}{1}$
C4 $\frac{6}{1}$
C4 $\frac{8}{F.H. TEE}$
C2 $\frac{2}{2.5}$ & F.H. (2.5)
C4 $\frac{6}{3}$
C1 $\frac{3}{7}$ W.M. N CO
C4 $\frac{8}{5}$
C1 $\frac{5}{9}$ W.M. N CO
C3 $\frac{0}{0}$
C5 $\frac{0}{5}$
C0 $\frac{5}{1}$ W.M. W CT
C1 $\frac{7}{2}$ W.M. E CT
C0 $\frac{1}{2}$ W.M. W CT
C4 $\frac{8}{1}$

MOHAWK ST CONT.

WEST T
WILLIAMS
VARON FAKIS

12/15/53

31

| STA. | + | 451.07 | - | EL | |
|------------------|------|--------|------|-------|---------------------------|
| | | | | | 447.1 |
| 1+07 | | | 3.1 | 448.0 | 446.2 446.7 |
| +30 | | | 3.7 | 447.4 | 446.4 |
| +50 | | | 3.2 | 447.9 | 443.0 |
| 1+71.78 | | | 2.1 | 449.0 | 443.2 |
| T.P. | 7.18 | 453.54 | 4.71 | | 446.36 |
| CHECK TO B.M. | | | 4.10 | | 449.44 - 449.40 |

KEMP ↑
CO 1
W.M.F. C1 ⁸/₂
CO 1
W.M.W. C1
C4 ⁹
C5 ⁸

61st St Detroit to Benson
 Stks for 6" Main

West
 Williams
 Yaronfakis
 Kemp

35

| | | | | | | | |
|------------------|------|--------|------|--------|-------|--|------------------------------|
| | 1233 | 300.11 | | 287.79 | | | |
| 0+00 | | | 112 | 288.9 | 283.0 | | 147 |
| +88 ^e | | | 76 | 292.5 | 285.0 | | 2 Detroit + 61 st |
| 1+00 | | | 62 | 293.9 | 286.8 | | C 5 ⁹ |
| +25 | | | 32 | 296.9 | 288.4 | | C 7 ⁵ |
| +37 ^e | | | 23 | 297.8 | 290.2 | | C 7 ^L |
| +50 | | | 1.8 | 298.3 | 290.6 | | C 8 ^E |
| +62 ^e | | | 1.9 | 298.2 | 290.8 | | C 7 ^E |
| 2+00 | | | 3.8 | 296.3 | 290.0 | | C 7 ^Z |
| +50 | | | 5.6 | 294.5 | 288.0 | | C 7 ^Z |
| 3+00 | | | 7.3 | 292.8 | 286.0 | | C 7 ^Z |
| +50 | | | 10.0 | 290.1 | 284.0 | | C 7 ^Z |
| 4+00 | 0.91 | 288.16 | 1236 | 287.75 | 282.0 | | C 6 ^Z |
| +50 | | | 21 | 286.1 | 280.0 | | C 6 ^Z |
| 5+00 | | | 4.3 | 283.9 | 278.0 | | C 5 ^Z |
| +50 | | | 6.5 | 281.7 | 276.0 | | C 5 ^Z |
| +87 | | | 8.6 | 279.6 | 274.4 | | C 5 ^Z |
| 6+00 | | | 9.6 | 278.6 | 273.2 | | C 5 ^Z |
| | 0.78 | 276.29 | 1265 | 275.51 | | | |

6150 St Comb

276.29

WEST
WILLIAMS
VARONFAKIS D-11-54
KEMP

36

| | | | | | | |
|-------------|-------|--------|-------|--------|-------|-------|
| 6+50 | | 2.4 | 273.9 | 268.8 | C 5 L | |
| 7+00 | | 7.2 | 269.1 | 264.6 | C 4 E | |
| +10 | | 7.9 | 268.7 | 264.2 | C 4 E | |
| (B) FH | | 8.0 | 268.3 | 273.2 | F 4 E | |
| +37 | | 9.3 | 267.0 | 263.0 | C 4 E | |
| +50 | | 9.4 | 266.9 | 263.0 | C 3 E | |
| +75 | | 8.9 | 267.4 | 263.0 | C 4 E | |
| 8+00 | | 7.1 | 269.2 | 265.4 | C 3 E | |
| +10 | | 6.5 | 269.8 | 266.4 | C 3 E | |
| +50 | | 1.6 | 274.7 | 271.2 | C 3 E | |
| | 12.49 | 288.60 | 0.18 | 276.11 | | |
| 9+00 | | 6.5 | 282.1 | 277.3 | C 4 E | |
| +25 | | 3.5 | 285.1 | 280.4 | C 4 E | |
| +50 | 12.74 | 300.46 | 0.88 | 287.70 | 283.0 | C 4 E |
| 10+00 | | 8.1 | 292.4 | 287.2 | C 5 E | |
| +50 | | 4.5 | 296.0 | 291.8 | C 4 E | |
| 11+00 | 12.85 | 312.65 | 0.66 | 299.80 | 296.4 | C 3 E |
| +28 4" Ov | | 10.8 | 301.9 | 298.5 | C 3 E | |
| +33 6x6 Ter | | 10.4 | 302.3 | 298.8 | C 3 E | |

61 ST ST CONT

312.65

11+50 8.7 304.0 300.4

12+00 2.6 310.1 305.3

12.70 328.31 0.04 312.61

+50 2.9 317.9 310.3

13+00 10.99 335.38 0.32 324.99 315.3

+03 10.7 324.7 320.2

+25 7.5 327.9 318.0

+29 2.7 332.7 322.4

+29 8.2 327.2 322.8

+50 6.7 328.7 319.6

+83 FH Trc 8.0 327.9 320.6

(5) FH 9.3 324.1 324.6

nat)
13+94 Transl bar 7.69 327.69

T.B.M. 3.32 332.06

T.B.M. 1.06 333.12 332.06

T.P. 0.40 320.68 12.84 320.28

T.P. 0.25 308.01 12.92 307.76

T.P. 0.60 295.62 12.99 295.02

T.P. 12.48 298.93 9.17 286.45

CK To
B.M. 11.10 287.83 287.79

WEST
WILLIAMS
VARONFAKIS
KEMP

37.

2/11/54

C 3 ⁶

C 4 ⁸

C 7 ⁶

C 9 ²

C 4 ⁵

C 9 ⁹

C 10 ³

C 4 ⁴

C 9 ¹

C 6 ⁸

C 1 ⁵

W M E

W M W

W M E

Turn on 2x2 Hub 20' at 13+81

Alley BIK 65
N of Landis. E of 37th

7+60⁹⁵

South prop line Landis

2+25¹²

POT site

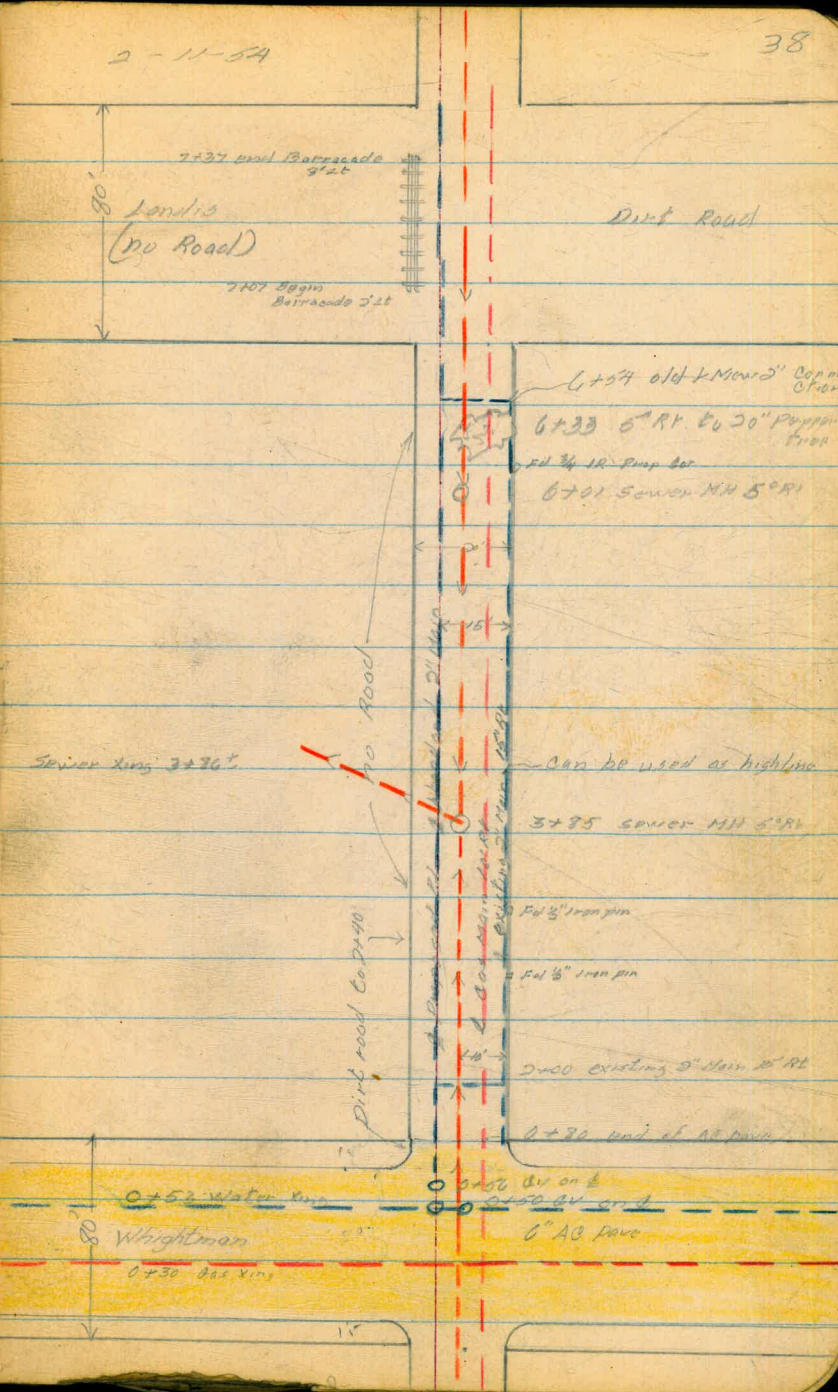
0+07 POT

0+00

North prop line Wrightman

2-11-54

38



Q Profile Alley BIK 65
N of Landis E of 37th

West
Williams
Kemp

2-15-53

39

319.99

| | | | | |
|------|------|--------|--------|----------------|
| | 7.95 | 327.94 | 319.99 | |
| | 9.78 | 327.40 | 0.32 | 327.62 |
| | 4.64 | 321.45 | 0.59 | 326.81 |
| | 1.26 | 330.14 | 12.57 | 328.88 ✓ |
| 0+00 | | | 1.6 | 328.5 ✓ |
| +15 | | | 2.15 | 328.0 ✓ |
| 0+50 | | | 2.13 | 328.01 328.0 ✓ |
| +65 | | | 2.62 | 327.5 ✓ |
| +80 | | | 2.18 | 327.96 ✓ |
| 1+00 | | | 2.3 | 327.8 ✓ |
| +27 | | | 2.49 | 326.7 |
| 139 | | | 3.25 | 326.7 |
| +42 | | | 3.75 | 326.4 |
| +54 | | | 3.92 | 326.2 |
| +50 | | | 3.6 | 326.5 ✓ |
| +56 | | | 3.79 | 326.4 |
| +75 | | | 3.85 | 326.3 |
| 2+00 | | | 3.7 | 326.4 ✓ |
| +23 | | | 5.1 | 325.0 ✓ |

8M NW BP 37th Doughty

North prop line Whightman st

Butter

Butter

End AC pave

18' RT Begin concrete garage slab Floor

18' RT End " " " "

Begin concrete garage slab Floor 18' RT

End " " " "

Begin concrete garage slab Floor 18' RT

End " " " "

240
521
22
516

327.83
2.31
15 RT
2.0
28.14
15 RT

37
511

3.8
15 RT

3.9
511
5.2
511

3.1
15 RT
3.9
15 RT

930.14

| | | | |
|-------|--------|-------|--------------|
| 2+90 | | 13.3 | 316.8 |
| 041 | 318.10 | 12.45 | 317.69 |
| 150 | | 25 | 315.6 ✓ |
| 3+00 | | 7.0 | 311.1 ✓ |
| 150 | | 11.3 | 306.8 ✓ |
| 185 | 310.12 | 7.98 | +27 to Elev |
| 4+00 | | 12.3 | 305.8 ✓ |
| 428 | | 15.2 | 302.9 ✓ |
| 4+50 | | 13.3 | 304.8 ✓ |
| 4+90 | | 3.1 | 315.0 ✓ |
| 5+09 | | 4.6 | 313.5 ✓ |
| 9.15 | 319.60 | 7.65 | 310.45 |
| 5+50 | | 11.5 | 308.1 ✓ |
| 180 | | 13.9 | 305.7 ✓ |
| 6+00 | | 9.2 | 310.4 ✓ |
| 181 | | 6.6 | +6.1 to Elev |
| 6+30 | | 3.1 | 316.5 ✓ |
| 150 | | 0.9 | 318.7 ✓ |
| 10.11 | 331.54 | 0.17 | 319.43 |

316.8

$$\begin{array}{r} 13.3 \\ \hline 511 \end{array}$$

306.8

$$\begin{array}{r} 9.3 \\ \hline 15.84 \end{array}$$

310.4

$$\begin{array}{r} 1.27 \\ \hline 511 \end{array}$$

315.6

$$\begin{array}{r} 2.5 \\ \hline 15.84 \end{array}$$

$$\begin{array}{r} 13.3 \\ \hline 511 \end{array} \quad 314.3$$

Dist M11

Top east rim sewer M11

$$\begin{array}{r} 13.7 \\ \hline 511 \end{array} \quad 304.2$$

$$\begin{array}{r} 4.6 \\ \hline 15.84 \end{array} \quad 313.5$$

301.3

$$\begin{array}{r} 14.8 \\ \hline 511 \end{array}$$

$$\begin{array}{r} 7.0 \\ \hline 15.84 \end{array} \quad 311.1$$

311.4

303.7

$$\begin{array}{r} 14.4 \\ \hline 511 \end{array}$$

$$\begin{array}{r} 11.4 \\ \hline 5.84 \end{array} \quad 306.7$$

3.0

313.9

$$\begin{array}{r} 1.2 \\ \hline 511 \end{array}$$

$$\begin{array}{r} 16 \\ \hline 40.84 \end{array} \quad 316.5$$

12.0

312.0

$$\begin{array}{r} 6.1 \\ \hline 511 \end{array}$$

$$\begin{array}{r} 10 \\ \hline 8.84 \end{array} \quad 316.6$$

4.0

306.1

$$\begin{array}{r} 13.5 \\ \hline 511 \end{array}$$

312.3

$$\begin{array}{r} 7.3 \\ \hline 5.84 \end{array}$$

318.4

303.7

$$\begin{array}{r} 15.9 \\ \hline 511 \end{array}$$

$$\begin{array}{r} 8.0 \\ \hline 13.84 \end{array} \quad 311.6$$

309.3

$$\begin{array}{r} 10.3 \\ \hline 511 \end{array}$$

$$\begin{array}{r} 5.5 \\ \hline 15.84 \end{array} \quad 314.1$$

Top east rim sewer M11 6' RT

$$\begin{array}{r} 3.4 \\ \hline 5.11 \end{array} \quad 316.2$$

$$\begin{array}{r} 1.8 \\ \hline 13.84 \end{array} \quad 317.8$$

$$\begin{array}{r} 1.3 \\ \hline 5.11 \end{array} \quad 318.3$$

$$\begin{array}{r} 4.0 \\ \hline 11.84 \end{array} \quad 318.6$$

331.54

6+87.85

7.2

324.3

7+00

6.5

325.0

+50

4.9

326.6

260.85

1.8

326.7

439

335.78

0.15

331.39

1.41

327.59

9.60

326.18

7.54

320.05

319.99

11

324.2

325.3

7.3

6.2

0.21

15.81

326.3

4.3 327.2

0.11

15.81

South prop lion lands

33rd St Data to Elm.

West
Williams
Varonakis

42

2-16-54

4+59⁹⁵

North prop line Elm

Elm St
no road

23' x 23' 4+06⁹⁵

3+93 5' Main Elm St

4+00 POT

3+93⁹⁵ 33rd St = 3+30⁹⁵ Elm St

2+57 POT

1+00 POT

0+17 POT

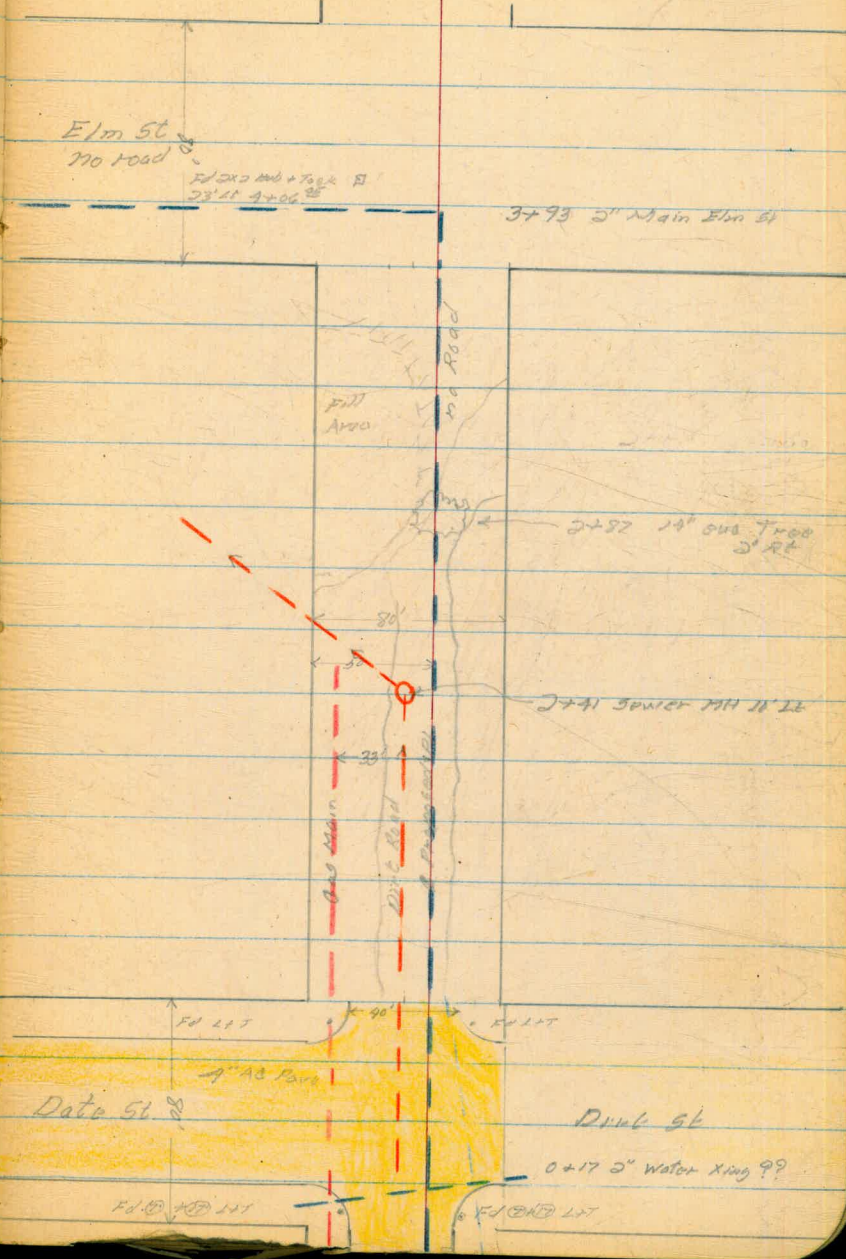
0+00

South prop line Data St

Data St 98

Drink St

0+17 5" water xing??



Q Profile proposed PL

2/10-54

43

| | | | |
|------|------|--------|--------|
| | 5.44 | 231.97 | 226.53 |
| | 5.91 | 237.31 | 231.40 |
| 0+00 | | 2.77 | 234.5 |
| +50 | | 3.57 | 233.7 |
| +55 | | 3.86 | 233.5 |
| +82 | | 3.95 | 233.4 |
| +90 | | 1.1 | 236.2 |
| 1+00 | | 1.2 | 236.1 |
| +50 | | 2.7 | 234.6 |
| 2+00 | | 8.8 | 228.5 |
| +41 | 0.80 | 225.36 | 224.56 |
| +50 | | 1.0 | 224.4 |
| +67 | | 2.8 | 222.6 |
| +80 | | 11.1 | 214.3 |
| | 0.32 | 212.91 | 212.59 |
| 3+00 | | 4.7 | 208.2 |
| | 0.46 | 200.69 | 200.23 |
| +31 | | 5.9 | 194.8 |
| +50 | | 11.5 | 189.2 |

NW BR Barncroft + Elm

South prop line Date st 80' st

Butter

edge AC pave

| | | | |
|--------|--------|--------|--------|
| 1.8 | 1.6 | 2.8 | 0.7 |
| 40' Lt | 20' Lt | 20' Lt | 20' Rt |

| | |
|--------|--------|
| 4.4 | 3.3 |
| 40' Lt | 20' Rt |
| 7.6 | 9.1 |
| 40' Lt | 20' Rt |

Top road rim sewer N.H. 10' Rt

| | |
|--------|--------|
| 0.4 | 0.5 |
| 40' Lt | 20' Rt |

| | | |
|--------|--------|--------|
| 4.1 | 3.7 | 4.3 |
| 40' Lt | 10' Rt | 20' Rt |

| | | |
|--------|--------|--------|
| 5.7 | 4.3 | 12.1 |
| 20' Lt | 10' Lt | 10' Rt |

| | | | |
|--------|--------|--------|--------|
| 4.0 | 4.0 | 8.7 | 10.1 |
| 20' Lt | 13' Lt | 10' Rt | 50' Rt |

| | | |
|--------|--------|--------|
| 0.5 | 2.8 | 9.3 |
| 13' Lt | 14' Rt | 20' Rt |

| | | | |
|--------|-------|--------|--------|
| 4.1 | 7.8 | 13.9 | 16.1 |
| 20' Lt | 9' Lt | 13' Rt | 50' Rt |

200.68

3759

Drook

17.1

183.6

17.9

16.8

18.0

10.11

5.11

10.11

771

17.3

183.4

15.4

18.3

10.26

10.11

787

11.5

189.2

9.7

15.9

17.2

13.21

10.11

15.11

9100

11.5

189.2

715

13.6

187.1

10.0

11.8

7.11

10.11

759⁹⁵

6.0

184.7

9.2

2.6

10.11

8.11

9107

8.45

182.2

Top 2x2 Hub 25.11

12.88 213.14 0.42 210.26

12.39 225.23 0.30 212.84

6.81 229.98 2.06 223.17

2.45 226.53 = 226.53

Quince St 30th to 31st
Proposed PL.

7+26

East prop line 31st

5+95 POT
5+95 SMK

3+90 12 SMK
PAT

0+53 POT

0+00

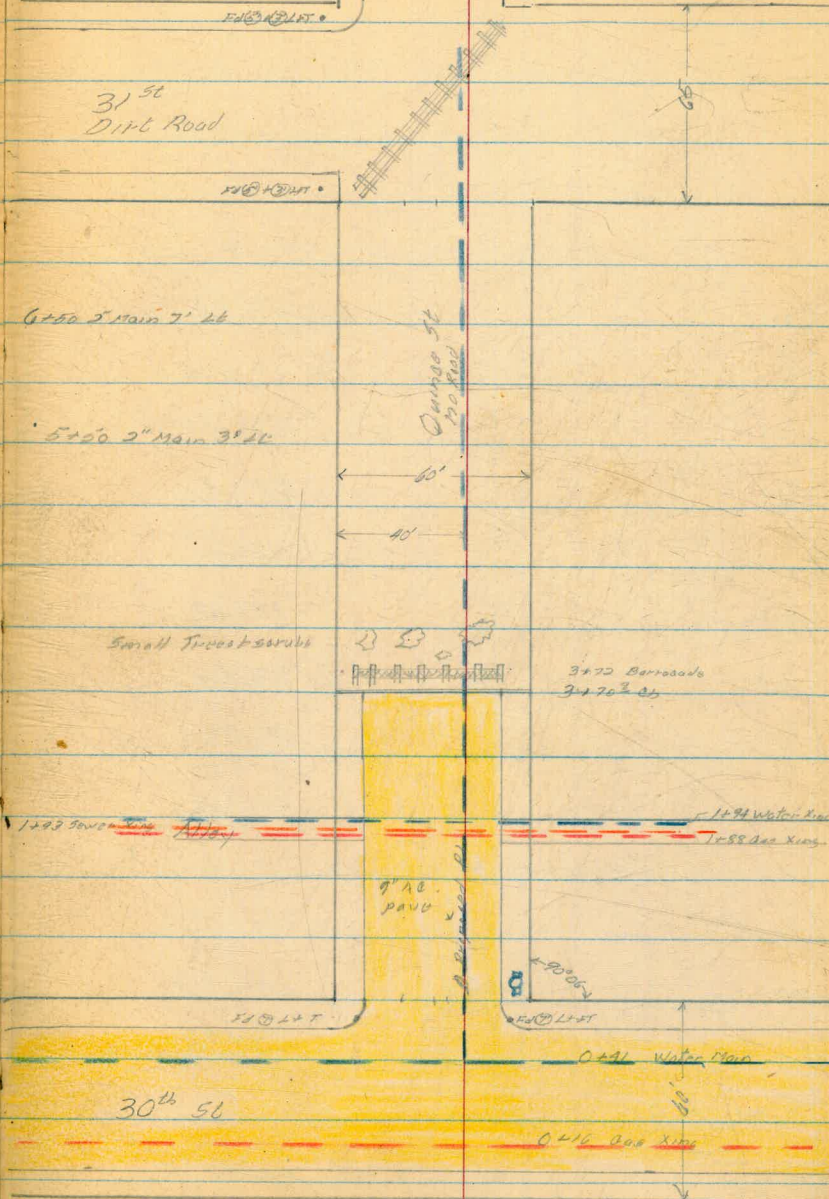
West prop line 30th st



West
Varan Kahi
Kemp

3-17-59

45



Quince St 30th to 31st
 Profile proposed #2

5-18-59

46

| | | | | |
|-------|-------|----------|-------|----------|
| | 1.09 | 321.04 ✓ | | 319.95 |
| | 0.70 | 319.08 ✓ | 8.66 | 312.38 ✓ |
| | 11.67 | 313.65 ✓ | 11.10 | 301.98 ✓ |
| | 0.05 | 312.20 ✓ | 1.50 | 312.15 ✓ |
| 0+00 | | | 1.65 | 310.55 |
| 1+0 | | | 2.30 | 309.90 |
| 2+0 | | | 2.70 | 309.50 |
| 3+0 | | | 2.40 | 309.80 |
| 4+00 | | | 3.55 | 308.65 |
| 5+0 | | | 4.58 | 307.62 |
| 6+00 | | | 5.54 | 306.66 |
| 7+0 | | | 6.55 | 305.65 |
| 8+00 | | | 7.58 | 304.62 |
| 9+0 | 0.59 | 304.23 ✓ | 8.56 | 303.64 ✓ |
| 10+0 | | | 1.1 | 302.83 |
| 11+0 | | | 0.75 | 303.48 |
| 12+00 | | | 4.4 | 299.83 |
| | 2.57 | 298.64 ✓ | 8.16 | 296.07 ✓ |
| 13+00 | | | 4.0 | 294.64 |
| | 0.86 | 286.92 ✓ | 12.58 | 286.06 ✓ |

BN SE AD 29th + Redwood

Top EH SE cor 30th + Quince

West prop line 30th

Top of ch

Bottom of ch

Bottom of ch

Top of ch

297.43

300.43

$\frac{6.8}{10.11}$

$\frac{3.8}{10.81}$

290.34

+ 10

299.64

$\frac{8.3}{10.11}$

$\frac{10.81}{10.81}$

| | | | |
|------|--------|----------|----------------|
| | 286.90 | | |
| | 259 | 274.71 ✓ | 12.29 279.18 ✓ |
| 4+50 | | | 10.3 266.41 |
| | 0.18 | 269.69 ✓ | 12.25 264.96 ✓ |
| 426 | | | 9.2 263.72 |
| 5+00 | | | 10.7 253.94 |
| 421 | | | 11.8 252.84 |
| 432 | | | 13.8 250.84 |
| 437 | | | 12.0 252.64 |
| 450 | | | 11.7 252.94 |
| 463 | | | 11.8 252.84 |
| | 12.87 | 273.85 ✓ | 3.66 260.98 ✓ |
| 6+00 | | | 11.1 262.75 |
| | 12.39 | 286.15 ✓ | 0.09 273.76 ✓ |
| 450 | | | 4.4 281.75 |
| | 9.32 | 294.90 ✓ | 0.57 285.58 ✓ |
| 454 | | | 10.2 284.70 |
| 7+00 | | | 5.1 289.80 |
| 426 | | | 4.5 290.40 |
| | 10.93 | 303.08 ✓ | 2.76 292.15 ✓ |

| | | | | |
|--------|-------|--------|--------|--------|
| | 12.1 | 264.61 | 7.0 | 269.71 |
| | 10.11 | | 10.81 | |
| | | 254.74 | 257.14 | 260.64 |
| | 9.9 | | 7.5 | 4.0 |
| 251.64 | 10.21 | | 6.81 | 10.81 |
| 130 | | 10.7 | 253.94 | 10.1 |
| 13.1 | 6 | | 10.81 | |

creek both runs to south-east

| | | | | |
|------------|--------|--------|--------|--------|
| | 253.34 | 252.24 | | |
| | 11.3 | 12.4 | | |
| | 10.21 | 10.81 | | |
| on main st | 9.9 | 255.74 | | |
| | 10.21 | 12.7 | | |
| | | 251.94 | | |
| | 10.81 | | | |
| | 267.05 | 265.35 | 260.85 | 258.65 |
| | 6.8 | 8.5 | 13.0 | 15.2 |
| | 10.11 | 7.11 | 5.81 | 10.81 |
| | 284.95 | 280.75 | 279.25 | |
| | 12 | 5.4 | 6.9 | |
| | 10.21 | 8.81 | 10.81 | |

290.80 288.30

4.1 6.6
10.21 10.81

East prop line 31st

TBM N-W @ 11th 31st + Quinn

Profile Quindoo
Cont

303.08

12.78 314.99 ✓ 0.87 302.21 ✓

8.51 323.34 ✓ 0.16 314.83 ✓

4.35 318.99 ✓

318.98 NW BP 3rd & Tronk

2-18-59

48

31st St Redwood
to Quince
& Proposed Pl.

3+89th South Prop Line Quince

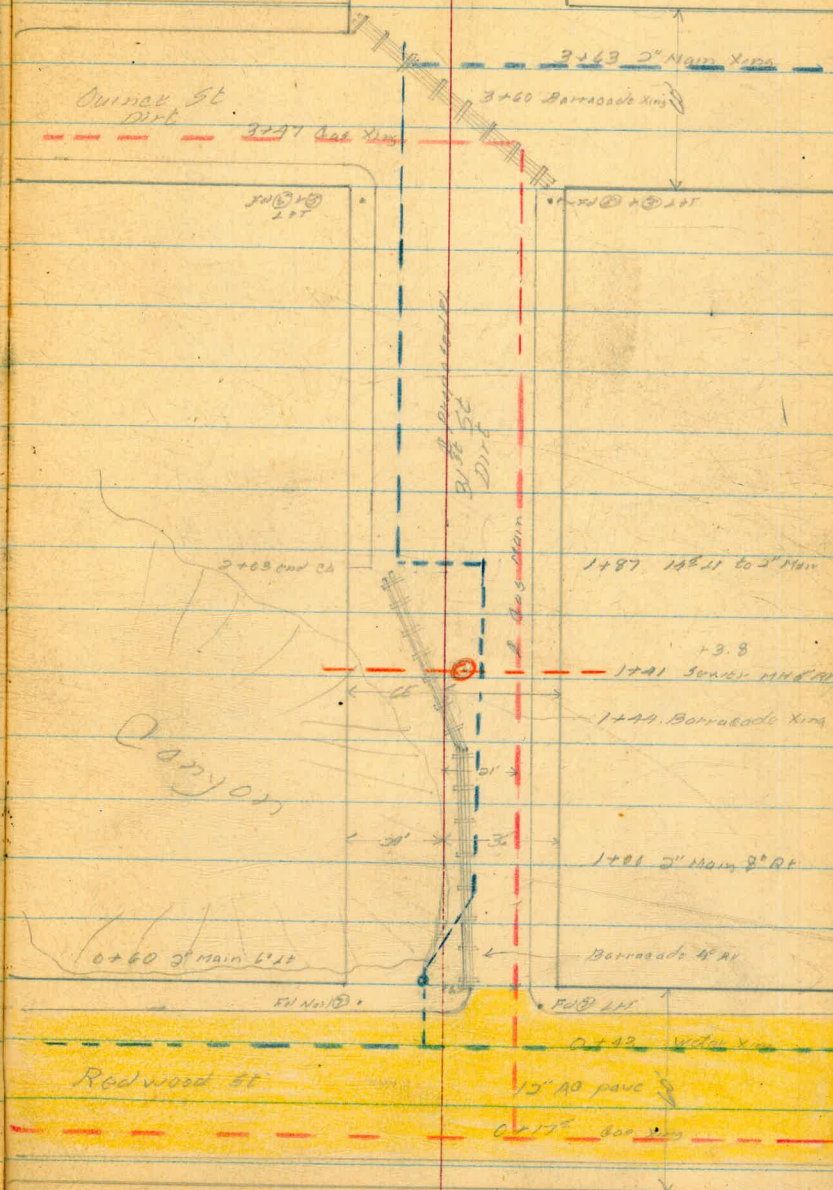
3+69th 31st = 6+67th Quince

3+26th POT

0+53 POT

0+00 North prop line Redwood

West
Williams
Vardonakis
Camp



Q profile 31st St
Redwood to Quince

| | | | |
|------------------|-------|-----------------|--------|
| | 10.44 | 302.59 | 292.15 |
| 0+00 | | 3.4 | 299.19 |
| 109 ² | | 3.36 | 299.23 |
| 110 | | 4.06 | 298.53 |
| +50 | | 3.90 | 298.69 |
| 150 ² | | 3.88 | 298.71 |
| 161 | | 3.54 | 299.05 |
| 159 ² | | 3.36 | 299.23 |
| 171 | | 3.4 | 299.19 |
| 1+00 | | 7.0 | 295.59 |
| 191 | | 297.87 | 294.05 |
| | 4.72 | +3.8 to Elow | |
| 150 | | 5.0 | 297.59 |
| 2+00 | | 6.2 | 296.39 |
| 150 | | 7.7 | 294.89 |
| 3+00 | | 9.4 | 293.19 |
| 150 | | 11.5 | 291.09 |
| 159 ² | | 16.4 | 291.49 |
| | 10.44 | 292.15 = 292.15 | |

TBM NW (3) 1st 31st + Quince

North prop line Redwood

Top of Ob

Bottom of Ob

bottom of Ob

Top of Ob + sidewalk

edge sidewalk

5.5 297.09

10.2

11.1 288.49

10.1

3.8 298.79

10.8

21 298.49

0.8

1.1 298.49

10.8

Top east edge Sewer MH

3.4 294.19

10.2

6.1 297.49

5.2

4.9 297.69

10.8

South prop line Quince

GUY ST.
PRINGLE ST. TO KEATING ST.
PROPOSED 6" WATER

4+00 SELY Prop. LINE KEATING

3+413

MAG BRG

3 55° E

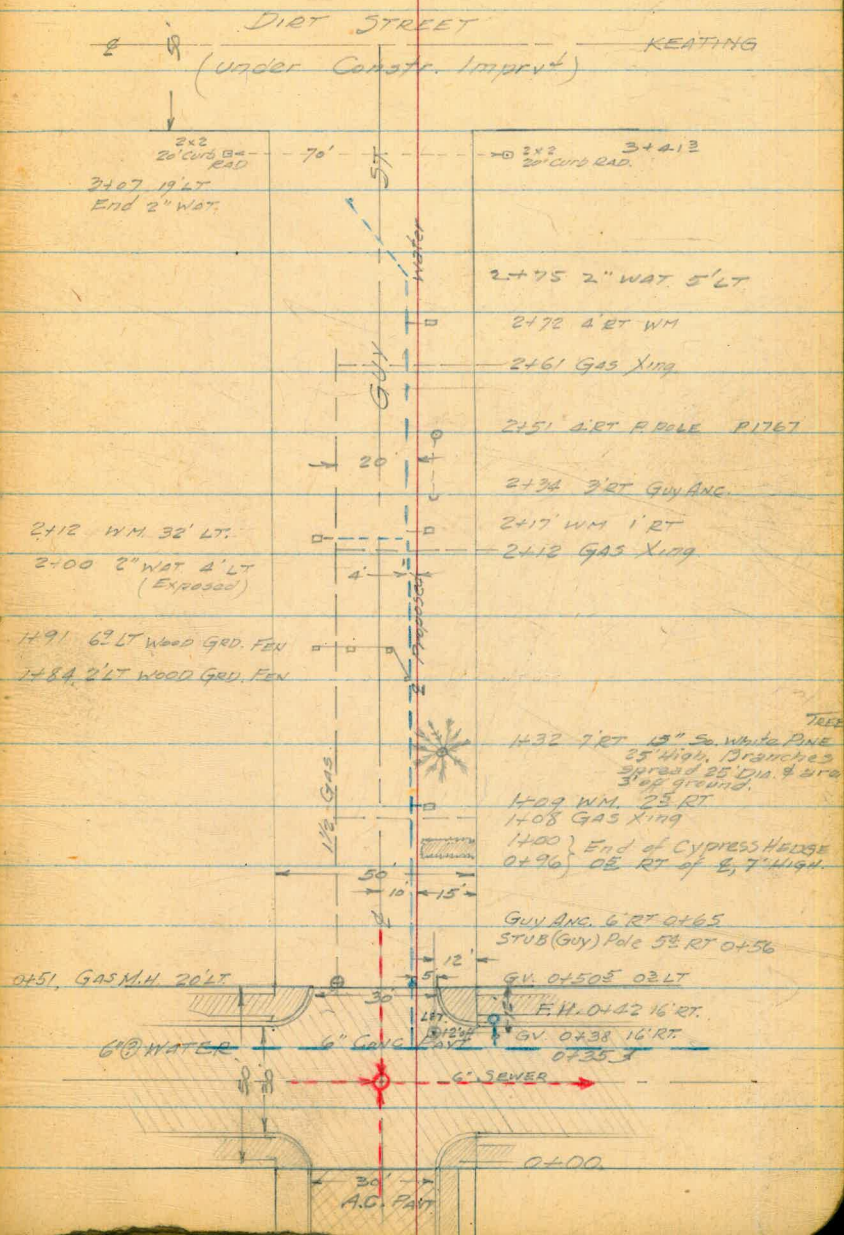
1+5562 POT.

1432

0+00 = NWLY Prop. LINE PRINGLE ST.

May 6, 1954
BEATY
SHORRY
MORTEL
ALEXANDER

51.



Guy St.
& Profile Proposed Water

5/6/54

52

| | | | | |
|--------------------|-------|--------|------|--------|
| B.M. | 5.12 | 142.35 | | 137.23 |
| 3ET TBM | | | 5.26 | 137.09 |
| 4+00 | | | 10.8 | 131.55 |
| 3+93 | | | 6.3 | 136.05 |
| 3+90 | | | 6.2 | 136.15 |
| 3+90 | | | 7.6 | 139.75 |
| 3+75 | | | 7.0 | 134.35 |
| 3+60 | | | 7.2 | 134.15 |
| 3+50 | | | 5.7 | 136.65 |
| TBM | 10.18 | 147.27 | 5.26 | 137.09 |
| 3+41 | | | 7.5 | 139.77 |
| 3+25 | | | 1.0 | 146.27 |
| IP _{rock} | 13.19 | 160.02 | 0.44 | 146.83 |
| 3+09 | | | 9.3 | 150.72 |
| 3+00 | | | 8.4 | 151.62 |
| 2+98 | | | 7.8 | 152.22 |
| 2+97 | | | 6.6 | 153.42 |
| 2+75 | | | 2.6 | 157.42 |
| IP _{rock} | 13.08 | 172.46 | 0.64 | 159.38 |
| 2+57 | | | 11.3 | 161.16 |

RR Spike in Pole NW Cor. Guy & Keating (This pole will be moved)

Cor Conc step (1st up) 75' x RT 3+41

Guy ST
Cont'd

172.26

2+50 8.9 163.56

2+47 8.4 164.06

2+10 7.3 165.16

2+25 2.4 169.86

Prack 12.97 185.24 0.19 172.27

2+17 11.2 174.04

2+00 6.3 178.94

1+95 5.5 179.74

1+84 0.9 184.34

1+80 0.0 185.24

Prack 13.05 198.05 0.24 185.00

1+77 10.9 187.15

1+70 9.8 188.25

1+60 9.2 188.85

1+55 8.5 189.55

1+50 5.8 192.25

1+00 3.0 195.05

0+96 2.2 195.85

0+70 0.7 197.35

RIGHT

7.5 8.0 8.4 7.3 7.0
5 3 3 3 3

5.7 5.9 7.0 7.3 7.0 5.6 5.3
5 3 3 3 3 3 3

0.5 0.7 2.6 2.3 2.3 1.6 1.6
5 3 3 1 2 3 5

10.8 11.0 11.2 12.0 12.0
5 3 3 3 3

4.0 6.0 6.3 6.5
5 3 3 3

8.1 5.8 5.6
5 3 3

5/6/54

54.

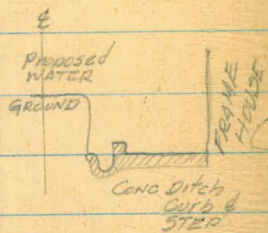
Guy St.
(Cont.d.)

| | | | | |
|------------------|-----------------|-------|-----------------|----------|
| | 198.05 | | | 197.45 |
| 0+60 | | 0.6 | | |
| 0+50 | Edge Conc Pavt | 1.29 | | 196.56 |
| 0+41 | " " | 1.51 | | 196.54 |
| 0+25 | " " | 0.53 | | 197.52 |
| TP ^{SW} | 7.31 203.61 | 1.75 | 196.30 | |
| | W. Rim Sew. MH. | 5.52 | | |
| | Inv. 6" Sew. | 12.72 | | |
| 0+09 | | 6.25 | | 197.36 |
| 0+00 | | 6.14 | | 197.47 |
| SET TBM. | 1.09 199.55 | 5.15 | 198.26 | |
| TP | 0.20 186.99 | 12.76 | 186.79 | |
| TP | 0.10 175.00 | 12.09 | 174.90 | |
| TP | 0.67 162.52 | 13.15 | 161.85 | |
| TP | 0.52 151.03 | 12.01 | 150.51 | |
| TP | 8.25 147.31 | 11.97 | 139.06 | |
| ck BM | | 10.08 | 137.23 = 137.23 | (Wong??) |

TOP FH SW Cor Guy & PRINGLE

Guy St.
WELLBORN TO CROWELL
Proposed 6" Water

7+50 Sely Prop line Crowell St



4+5065 POT,

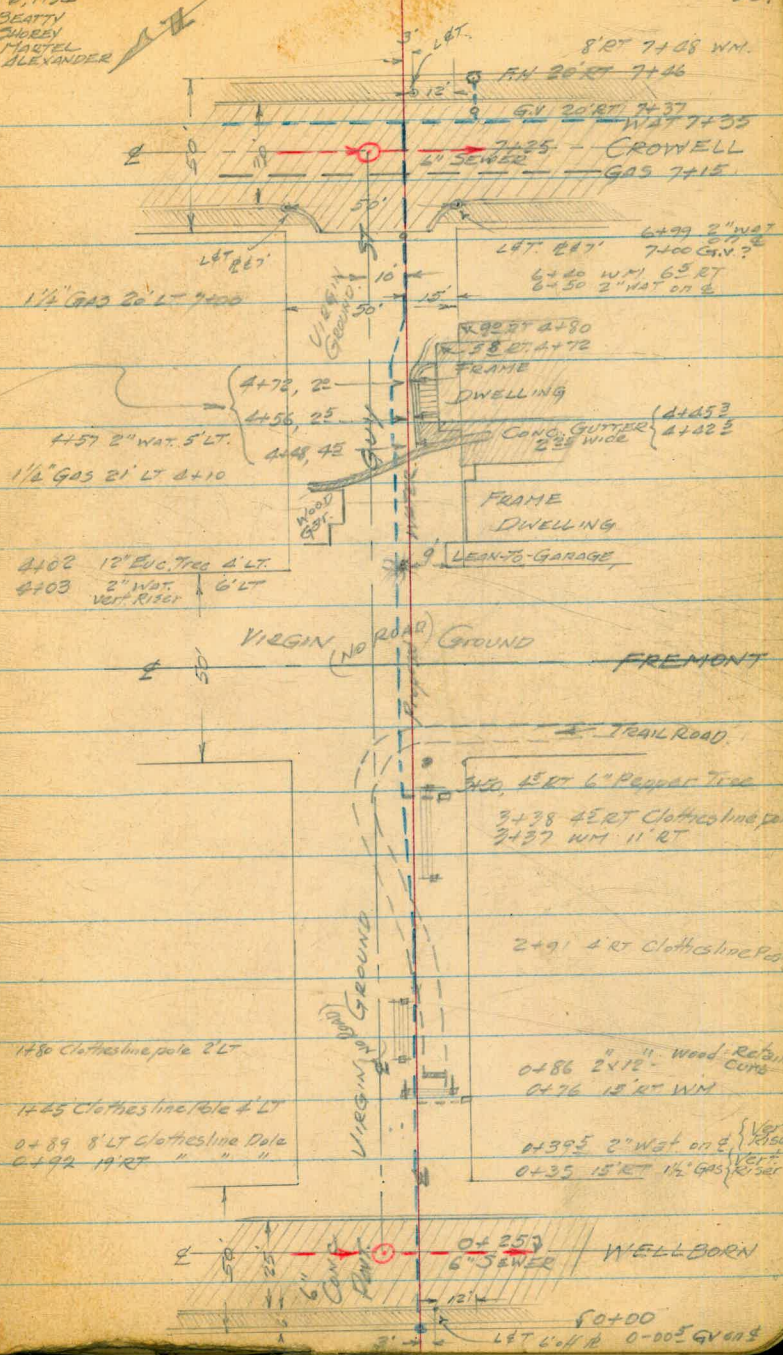
MAG Box 5.55'E.

3+5942 POT.

1+4269 POT.

0+00 - Newly prop line Wellborn

MAY 6, 1952
BEATTY
SHERRY
MARTIN
ALEXANDER



GUY ST.
WELLBORN TO CROWELL
& Profile. Proposed 6" WATER

May 7, 1954

193.42

56

BM 12.93 152.22 139.49

BP. NE Wellborn & LINNWOOD

P400 4.2 148.2

0+01 Conc Sidewalk 1.21 148.21

0+06 Top Conc Curb 4.25 148.17

0+06 on Conc Gutter 2.92 147.48

0+18.5 } E of Conc Pavt.
0.7 6" Conc 4.48 147.94

W. Rm Sew 3.74 148.68

104 6" Sew 7.34 125.08

} SEW MH
10' LT
0+25

0+31 on Conc Gutter 4.45 147.97

0+31 Top Conc Curb. 3.92 148.60

0+31.5 " " " 3.82 148.60

P 12.11 163.81 0.72 151.70

0+35 11.6 152.2

0+40 9.1 152.7

0+43 8.8 155.0

0+43 5.7 158.1

0+50 2.5 161.3

P 12.83 176.23 0.41 163.40

0+75 5.1 171.1

P 13.24 189.29 0.18 176.05

STREET

SEW
LEFT

NW
RIGHT

03
25

17
6

22
25

17
25

37
7

62
25

Guy St.
(Cont'd)

189.29

0+86 } 2x 12" WOOD, RETAINING CURB 13.7 176.0

0+86 } 12.6 176.7

1+00 11.6 177.7

1+04 10.3 179.0

1+05 8.5 180.8

1+13 6.5 182.8

1+25 2.5 186.8

11 10.07 199.30 0.06 189.23

1+50 7.9 191.4

1+55 7.7 191.6

1+55 7.7 191.6

2+00 5.5 193.8

2+30 5.2 192.1

2+50 6.6 192.7

3+00 12.1 187.2

11 0.41 186.36 13.35 185.95

3+60 5.5 180.9

3+50 9.2 177.2

3+62 10.2 176.2

SET TBM 0.10 174.59 11.87 174.49

5/7/34

57

Sely LT

Street

RT NWly

5.7
25

70
25

11.3
25

10.53
33

Floor Elev
Frame Res

+0.6
25

12
25

4.6
25

6.15
33

Floor Elev
Frame Res

4.0
25

6.4
25

10.1
22

14.6
25

3.8
25

6.2
25

10.1
22

14.3
25

6.2
25

10.2
25

0.6
25

4
25

7.3
25

1.8
25

3.3
25

7.9
25

8.5
25

12.7
25

13.7
25

5.8
25

6.7
25

4.10
32

Floor Elev
Frame Res

6.6
25

8.2
25

9.4
25

10.3
25

10.6
25

Nail in Pa. Pole #1661 14' RT 3+75
NWly Cor. Fremont & Guy

Guy St.
(Cont'd)

| | | | | |
|-------|---|--------|-------|--------|
| | 172.59 | | | |
| 11 | 1.14 | 162.61 | 13.12 | 161.47 |
| 3+81 | | | 4.6 | 170.0 |
| 12 | 0.45 | 151.51 | 11.55 | 151.06 |
| 4+00 | | | 2.4 | 149.1 |
| 4+02 | | | 3.4 | 148.1 |
| 4+03 | | | 8.0 | 143.5 |
| 4+08 | | | 10.2 | 141.3 |
| 4+10 | | | 10.2 | 141.3 |
| 4+25 | | | 11.3 | 140.2 |
| 4+425 | | | 11.80 | 139.71 |
| 4+439 | } 3" x 2'-3" Conc. Gutter crossing & pipe on skew - (Reverse curve) | | 12.02 | 139.09 |
| 4+453 | | | 11.92 | 139.59 |
| 4+50 | | | 12.0 | 139.5 |
| 4+56 | | | 12.1 | 139.4 |
| 4+58 | | | 8.1 | 143.4 |
| 4+60 | | | 6.4 | 145.1 |
| 4+64 | | | 5.9 | 145.6 |
| 4+65 | | | 2.8 | 148.7 |
| 13 | 12.86 | 164.35 | 0.02 | 151.49 |
| 4+72 | | | 12.3 | 152.1 |

5/7/54

58

Sely
LT

8
STREET

NWly
RT

| | | | | |
|-------------------|------------|--------------------|---------------|---|
| Edge frame Garage | 5.4 2.4 | 55 2 | 40.6 25 | also roof of lean-to Garage |
| | | | 9.8 19 | dirt floor of lean-to Gar. |
| dirt floor GAR. | 9.2 25 | Edge of frame GAR. | 10.2 3 | 11.2 25 |
| | | | 10.2 25 | 7.92 25 |
| | | | | Floor Elev Frame Res |
| | | | 5.2 25 | 11.4 25 |
| | | | 12.99 14.5 | 13.86 25 |
| | | | | on Conc. Drive |
| | | | 6.4 11.5 | 9.8 12.5 |
| | | | 10.29 15.8 | 13.87 16.0 |
| | | | | Conc. gutter Edge frame Frame Res on Conc. Top |
| | | | 12.3 10 | 13.9 12 |
| | | | 18.9 12 | 18.9 15.5 |
| | | | | 11.9 15.5 |
| | | | | Roof of Frame Res |

Guy St.
(Cont'd.)

5/7/50

59

| | | | | LT. Sely | E Street | RT. Nwly |
|------|---------------------|--------|--------|----------|----------|----------|
| | 164.35 | | | | | |
| 4480 | | 9.6 | 154.8 | | | |
| 4481 | | 8.0 | 156.4 | | | |
| 4485 | | 5.4 | 159.0 | | | |
| 4487 | | 5.5 | 158.9 | | | |
| 4490 | | 3.3 | 161.1 | | | |
| TP | 12.91 | 176.30 | 0.96 | 163.39 | | |
| 4495 | | 11.1 | 165.2 | | | |
| 5400 | | 9.5 | 166.8 | 4.2 | 8.3 | 9.8 |
| 5425 | | 0.7 | 175.6 | 25 | 8 | 25 |
| TP | 13.00 | 189.25 | 0.05 | 176.25 | | |
| 5450 | | 8.3 | 181.0 | 2.7 | 6.3 | 10.1 |
| 5475 | | 4.0 | 185.3 | 25 | 8 | 25 |
| TP | 12.19 | 201.12 | 0.30 | 188.95 | | |
| 6400 | | 12.0 | 189.1 | 5.2 | 10.2 | 13.6 |
| 6450 | | 4.7 | 196.4 | 25 | 8 | 25 |
| TP | 5.66 | 205.07 | 1.73 | 199.41 | 4.8 | 3.3 |
| 6480 | | 6.5 | 198.6 | 25 | 8 | 25 |
| 6498 | | 7.3 | 197.8 | 0.2 | 5.9 | 9.4 |
| 7400 | Edge 6" Conc. Pavt. | 9.22 | 195.85 | 25 | 8 | 25 |
| 7425 | E Crowell St. | 9.38 | 195.69 | 4.9 | 8.63 | 9.6 |
| | W. Rim M.H. | 8.74 | 196.33 | 25 | 8 | 25 |
| | Inv. 6" Sew. | 17.46 | 184.61 | | 0.9 Conc | |

8.6
15
14.9 14.9 14.0 13.2
16 16 17 19
Edge
Frame
House

SEW M.H.
10' LT.
7425

Guy St.
(Cont'd.)

205.07

7+40 Conc gutter 9.77 195.30

7+40 Top Curb 9.30 195.77

7+45 BK edge sidewalk 9.29 195.78

7+50 Sully propline.
Crowell. 9.0 195.7

OK B.M.

11.59 193.48 = 193.42

BD Nully Cor Crowell & Guy.

5/7/52

60.

STKS. 6" A.C.

GUY ST. CROWELL TO
190' WEST.

| | | | |
|----------------|------|--------|-------------------------------|
| T.B.M. | 3.90 | 200.23 | 196.33 |
| 0+50 | | 3.4 | 196.8 192.3 |
| +75 | | 1.3 | 198.9 192.1 |
| +89 M.W. | | 4.1 | 196.1 195.0 |
| 1+00 | | 2.9 | 197.3 ^{190.3} 191.3 |
| +25 | | 5.3 | 194.9 188.4 |
| +50 | | 9.8 | 190.4 185.3 |
| T.P. | 0.14 | 187.47 | 12.90 187.33 |
| +75 | | 0.8 | 186.7 182.2 |
| 2+00 M.E. | | 1.6 | 185.9 182.0 |
| 2+00 | | 5.7 | 181.8 178.3 |
| +40 | | 16.0 | 171.5 ^{169.5?} 171.8 |
| CHECK | | | |
| 6 IN STA. 5+50 | | 6.47 | 181.00 = 181.0 |

WEST
WILLIAMS
VARONFAKIS X
KELLHOFER †

8/19/55

61

W. RIM. M.H. 7+25 PAGE 59

| | | |
|---------------|--------------|------------|
| C4 | ⁵ | BEGIN WORK |
| C6 | ⁸ | |
| C1 | ¹ | |
| C6 | ⁰ | C7° |
| C6 | ⁵ | |
| C5 | ¹ | |

| | |
|----|--------------|
| C4 | ⁵ |
| C3 | ⁹ |
| C3 | ⁵ |
| C2 | ⁰ |

PAGE 59

Alley BIK 2+59
N of Meade E of Iowa
Palm Group 27

6+80 POT Nail

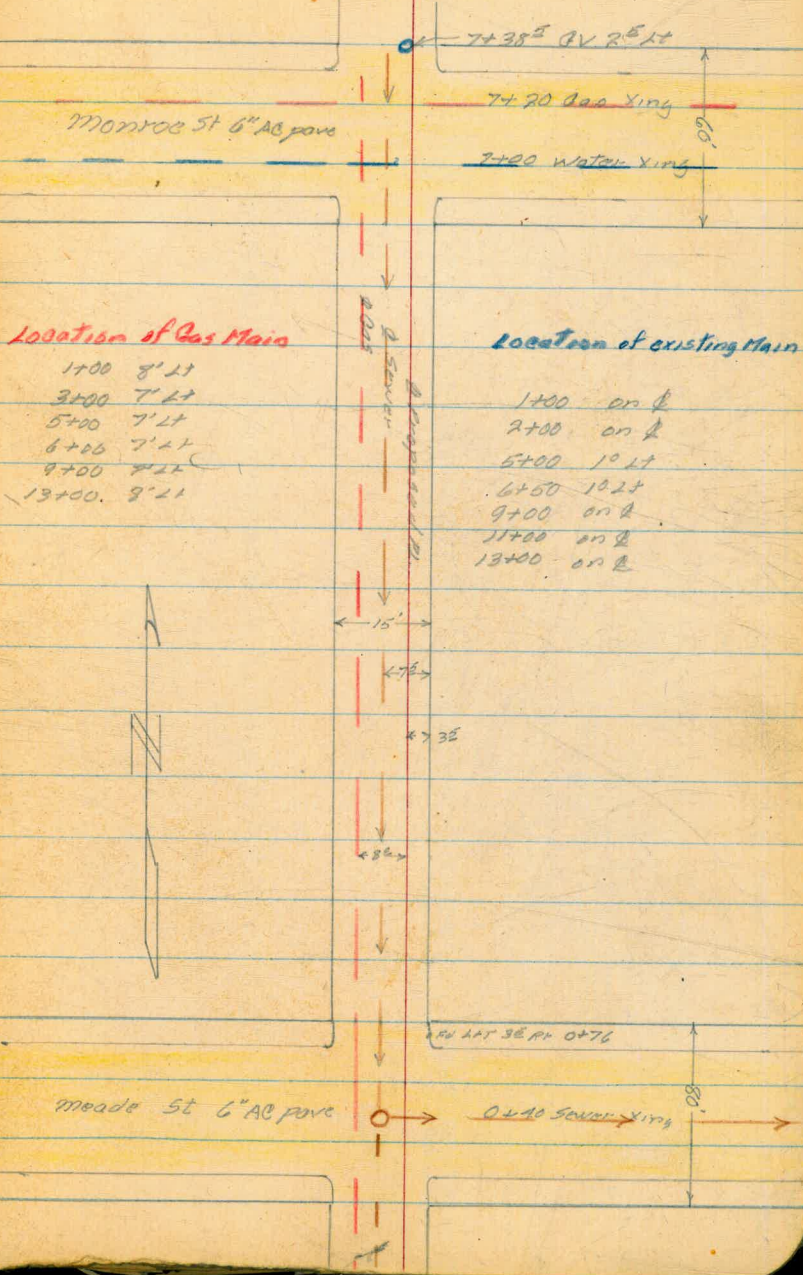
0+76 POT Ed L+T 3rd Rt

0+00 sly prop line Meade

West
Williams
Yarrafakis

62

9-25-55



9-26-55

Madison 6" AC pave

13+32³⁸ POT12+10⁶⁵ POT

List of Telephone Poles

0+94 2° RT
 2+29 2° RT
 3+83 2° RT
 4+80 2° RT
 6+11 2° RT
 6+30 Guy wire 2° RT
 8+08 Guy Wire 2° RT
 8+33 2° RT
 9+32 2° RT
 10+32 2° RT
 11+32 2° RT
 12+46 3° RT
 13+76 2° RT

Ed 3/12 5° RT 13+32³⁸Ed 2/12 prep Gu. 5° RT 12+10⁶⁵

← 15' →

← 5' →

← 35' →

← 20' →

Proposed



Alley's Biks 2+59 Cont

Red'd
by Rocky

6A

9-26-55

| | | | |
|------|-------------|--------|--------------------------|
| | 7.39 | 387.85 | 380.46 |
| 0+00 | | 6.78 | 381.1 |
| +12 | | 7.05 | 380.8 |
| +40 | | 6.32 | 381.5 |
| +40 | | 6.29 | +7.0 To Flow = 374.56 |
| +50 | | 6.43 | 381.4 |
| +68 | | 6.93 | 380.9 |
| +80 | End AC pipe | 6.47 | 381.4 |
| 1+00 | | 5.0 | 382.9 |
| +50 | | 4.3 | 383.6 |
| 2+00 | 5.84 | 389.35 | 4.34 383.51 |
| | | 5.9 | 383.5 |
| +50 | | 5.3 | 384.1 |
| 3+00 | | 5.0 | 384.4 |
| +00 | | 5.43 | +8.5 To Flow = 375.4 |
| +50 | | 5.2 | 384.2 |

BM NW AD 92nd + Meade

fly prop line Meade

Gutter Line

→

Top Fly rim sewer MH 92' LT

Gutter line 381.4

6.4
11.5 LT 383.4

4.5
11.5 LT

4.3
11.5 LT 383.6

5.8
11.5 LT 383.6

4.7
11.0 LT 384.7

4.8
11.5 384.6

5.3
11.5 LT 384.1

381.5
6.30
3.5 RT 383.7

4.2
3.5 RT

4.1
3.5 RT

5.8
3.5 RT 383.6

5.1
3.5 RT 384.3

4.8
3.5 RT 384.6

5.0
3.5 RT 384.4

Top Fly rim sewer MH 9' LT

Red'cd
by Rocky

65

| | | | |
|------|--------|-------|--------|
| | 389.35 | | |
| 4+00 | 5.1 | 384.3 | |
| 4+50 | 4.7 | 384.7 | |
| 5+00 | 4.6 | 384.8 | |
| 5+50 | 4.3 | 385.1 | |
| 6+00 | 4.2 | 385.2 | |
| 6+50 | 4.3 | 385.1 | |
| 7+00 | 6.21 | 383.1 | |
| 7+33 | 390.53 | 6.15 | 383.20 |
| 6+92 | 7.68 | 382.9 | |
| 7+00 | 7.33 | 383.2 | |
| 7+10 | 7.08 | 383.5 | |
| 7+27 | 7.58 | 383.0 | |
| 7+36 | 7.49 | 383.0 | |

Begin AC Pave

End AC Pave

| | |
|--|-------------------------------|
| 384.4 | 384.5 |
| $\frac{5.0}{11.5 \cancel{21}}$ | $\frac{4.9}{3.5 \cancel{81}}$ |
| 384.8 | 385.0 |
| $\frac{4.6}{11.0 \cancel{21}}$ | $\frac{4.4}{3.0 \cancel{81}}$ |
| 385.1 | 384.8 |
| $\frac{4.3}{11.0 \cancel{21}}$ | $\frac{4.6}{3.0 \cancel{81}}$ |
| 385.0 | 385.2 |
| $\frac{4.4}{11.5 \cancel{21}}$ | $\frac{4.2}{3.5 \cancel{81}}$ |
| 385.5 | 385.3 |
| $\frac{3.9}{11.5 \cancel{21}}$ | $\frac{4.1}{3.0 \cancel{81}}$ |
| 385.6 | 385.4 |
| $\frac{3.8}{11.5 \cancel{21}}$ | $\frac{4.0}{3.5 \cancel{81}}$ |
| 383.4 | 383.3 |
| $\frac{6.01}{11.2 \cancel{21} \text{ CB}}$ | $\frac{6.1}{3.5 \cancel{81}}$ |

Cutter Line South side Marston St

d St

Cutter Line

Red'd
by Rocky

66

| | | | |
|-------|--------|--------|---------------------------|
| | 990.53 | | |
| 7+50 | 6.7 | 383.8 | |
| 8+00 | 5.7 | 384.8 | |
| 8+01 | 6.98 | 384.45 | + 7.5 To Flow = 376.95 |
| 7+50 | 5.6 | 384.9 | |
| 9+00 | 5.2 | 385.3 | |
| 7+50 | 5.4 | 385.1 | |
| 10+00 | 6.0 | 384.5 | |
| 7+50 | 6.1 | 384.4 | |
| 11+00 | 5.69 | 384.98 | |
| 7+12 | 5.07 | 384.41 | + 7.1 To Flow = 377.31 |
| 7+50 | 5.2 | 384.3 | |
| 12+00 | 4.9 | 384.6 | |

| | | | |
|-------|------------------------------------|-----------------------------|-------------------------------------|
| | 2 + 384.4 | 383.7 | RP 384.3 |
| Fence | $\frac{6.1}{11.21}$ | $\frac{6.8}{8.41}$ | $\frac{6.2}{3.5 RP}$ |
| | | 384.9 | 384.9 |
| | $\frac{5.6}{11.021}$ | Fence | $\frac{5.6}{3.5 RP}$ |
| | | Top Fly Lim Sewer MH 4' 11" | |
| | | 385.0 | 384.9 |
| | $\frac{5.3}{11.521}$ | | $\frac{5.6}{3.5 RP}$ |
| | | 385.1 | 385.3 |
| | $\frac{5.4}{11.021}$ | | $\frac{5.2}{3.5 RP}$ |
| | | 385.2 | 385.1 |
| | 14' wide dimension edge done | $\frac{5.3}{11.021}$ | $\frac{5.4}{3.5 RP}$ |
| | | 384.9 | 384.6 |
| | $\frac{5.6}{11.521}$ | | $\frac{5.9}{3.5 RP}$ |
| | | 385.4 | 384.6 |
| | $\frac{5.1}{11.021}$ | $\frac{6.0}{8.41}$ | $\frac{5.9}{3.5 RP}$ |
| | | 384.3 | 384.8 |
| | | 384.3 | $\frac{5.2}{2.5}$ $\frac{1.7}{3.5}$ |
| | | Top Fly Lim Sewer MH 4' 11" | |
| | | 4.8 384.7 | $\frac{5.1}{3.5}$ 384.4 |
| | | 4.9 384.6 | 384.7 |
| | | $\frac{4.8}{11.5}$ | $\frac{4.8}{3.5}$ |

Alley's Blk 2459

389.48

Red'd
by Rocky

9-27-55

67

12+50

4.6

384.9

Lt

385.1

$\frac{1.1}{11.5}$

Rt

$\frac{1.0}{3.5}$ 385.0

13+00

4.0

385.5

$\frac{3.9}{11.5}$

385.6

$\frac{4.2}{3.5}$

385.3

+20

3.33

= 378.25

$\frac{386.15}{5.25}$
37

+20 To flow line

Top Fly from Sewer MH 12+11

+50

3.6

385.9

$\frac{4.0}{11.5}$

385.5

$\frac{3.8}{3.5}$

385.7

Begin AC pave

13+89

4.62

384.9

+95

4.94

384.5

Butter line South side Madison

14+00

4.60

384.9

+12

4.19

385.3

Q Madison

+30

4.62

384.9

Butter line

14+42.5

4.28

385.2

end AC pave

115' Lt 13+89

312 388.37

4.23

385.25

4 85

Turn on end SW of ret Alley

482 388.99

4.20

384.179

387 387.00

5.86

383.13

6.57

380.43

= 380.46

Mondell Terrace

Kenmore Terrace to 180' West

Palin Group 27

1+80±

Ely Prop line Mondell Terrace

0+56 POT

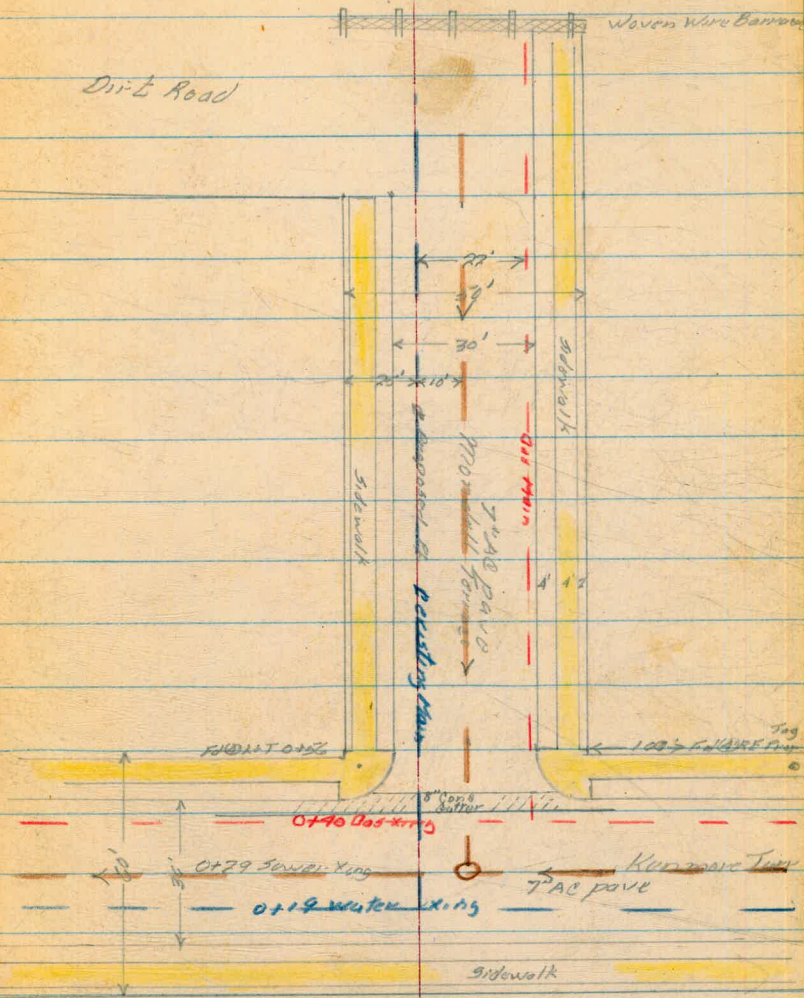
0+00

Ely prop line Kenmore Terrace

West
Williams
Varanokis

68

9-26-53



Mordell Terrace

Red'ed
by Rocky

69

| | | | |
|-------------------|--------|--------|--------------------------|
| 318 | 394.00 | 390.82 | |
| 613 | 394.69 | 388.36 | |
| 488 | 394.12 | 389.24 | |
| 0+00 | | 4.2 | 389.9 |
| 0+12 | | 4.87 | 389.3 |
| 0+12 ¹ | | 5.36 | 388.7 |
| 0+29 | | 5.07 | +5.1 To Flow = 383.95 |
| +46 | | 5.29 | 388.7 |
| +49 ⁶ | | 5.32 | 388.8 |
| +50 | | 5.38 | 388.7 |
| 1+00 | | 5.36 | 388.7 |
| +50 | | 5.75 | 388.4 |
| +80 | | 6.32 | 387.8 |
| 2+01 | | 6.70 | 387.4 |
| 4.94 | 393.98 | 5.08 | 389.04 |
| | | 319 | 390.79 = 390.82 |

10-19-58

NE

BM BP Collier + W MT View Dr.

TBM SW BP Mordell Terrace + Kenmore

Ely prop line Kenmore Terr.

Top of Ob

Bottom of Ob

Top 5th rim sewer (11) 10' RI

Begin 8" cone cutter

End " " "

Barricade

Balboa Ave Lamont to Noyes
 Check depth of Existing 10" CI Man
 0+00 Ely Line Lamont

| | | | |
|--------------------------------|-------|-------|---------------|
| 220 | 52.57 | 50.37 | |
| 0+04 | | 4.11 | 48.46 |
| 1+55 | | 7.20 | 45.37 |
| 3+19 | | 9.04 | 43.53 |
| 5.38 | 50.21 | 7.74 | 44.83 |
| 5+61 | | 7.09 | 43.12 |
| 7+18 | | 7.41 | 42.80 |
| 9+04 | | 7.72 | 42.49 |
| 10' East of West Line Noyes | | 7.02 | 43.19 |
| 8.53 | 57.69 | 1.05 | 49.16 |
| | | 3.52 | 54.17 = 54.15 |
| T.B.M. | 13.10 | 41.31 | 28.21 |
| T.P. | 7.88 | 48.43 | 0.76 40.55 |
| 1+27 | | 5.74 | |
| +79 | | 5.79 | |
| 2+15 | | 6.16 | |
| +46 | | 6.12 | |
| 3+27 | | 7.08 | |
| 4+10 | | 8.50 | |

CONTINUED PAGE 75

West
 Williams
 Varonfakis

70

10-5-55

BN NW BR Lamont + Grand

Top existing 8" stem

Top existing 10" CI

" " " "

" " " "

" " " "

Top exist 10" CI

" " " "

NW (C) Main Island + Merrill

Nly Rim. M.H. OLNEY + GRAND F.B. 894-43

WEST 10/14/55

WILLIAMS

VARONFAKIS T

KELLHOFFER P

0+00 IS WEST PROP NOYES

CONTINUATION OF DEPTH OF 10"

FROM NOYES EAST ON BALBOA

MAGNOLIA ST.
 PICO to PSC BLVD.
 ⑤ GRADES SET FOR 6" & 8" AC
 MAIN.

OCT. 7 1955
 BEATTY
 WEST
 WILLIAMS
 VARON FAXIS

71

| | | | | |
|-----------------|-----------------------|----------------|-----------------|-----------------|
| BM | 7.47 | 11.49 | 04.02 | |
| OKP | | 4.10 | 07.39 | = 07.26 |
| 0+60 | Begin Work | 6.4 | 05.1 | 01.6 |
| 1+00 | | 4.5 | 07.0 | 02.2 |
| 1+50 | | 5.0 | 06.5 | 02.25 |
| 2+00 | | 4.9 | 06.6 | 02.3 |
| 2+05 | | 4.9 | 06.6 | 02.3 |
| 2+10 | FH TEE. | | | |
| ⑤ FH | | 4.8 | 06.7 | 07.0 |
| 2+50 | | 5.1 | 06.4 | 02.4 |
| 2+75 | | 5.09 | 06.4 | 02.4 |
| 3+00 | | 4.9 | 06.6 | 02.4 |
| 3+50 | | 5.0 | 06.5 | 02.2 |
| 4+00 | | 5.3 | 06.2 | 02.1 |
| 4+50 | | 5.7 | 05.8 | 01.9 |
| 5+00 | | 5.9 | 05.6 | 01.7 |
| 5+50 | | 5.9 | 05.6 | 01.6 |
| 6+00 | | 6.3 | 05.2 | 01.4 |
| 6+50 | | 7.0 | 04.5 | 00.8 |
| 6+96 | | 6.9 | 04.6 | 00.2 |

Swly Conc Men 7' Bond & Magnolia, (Imp't Plan)

Tap FH SE Cor Bond & Magnolia FB 909-5.

C35

C48

Begin work by Jeffries.

C43

C43

C43

F03 C44

C40

C40

C42

C43

C41

C39

C39

C40

C38

C37

C44

Dont Mark!

MAGNOLIA ST.
(Cont'd.)

11.49

| | | | | | | |
|--------------|------|-------|------------|-------|----------------|-------------|
| 7+00 | | | 7.0 04.5 | 00.2 | C43 | DONT MARK! |
| 7+50 | | | 6.9 04.6 | 00.8 | C36 | C38 |
| 8+00 | 8.54 | 12.55 | 7.28 04.01 | | | |
| 8+50 | | | 7.1 05.5 | 01.4 | C41 | |
| 8+50 | | | 6.5 06.1 | 02.2 | C39 | |
| 8+75 | | | 5.9 06.7 | 02.6 | C39 | C41 |
| 9+00 | | | 5.5 07.1 | 03.1 | C40 | |
| 9+50 | 7.70 | 16.61 | 4.64 07.91 | 04.0 | C39 | |
| 10+00 | | | 6.7 8.9 | 05.0 | C39 | |
| 10+50 | | | 5.8 9.9 | 06.0 | C38 | |
| 10+74 | | | | 06.6+ | | |
| 10+76 Tee | | | 5.4 10.2 | 6.6 | C38 | Do not Mark |
| 10+78 | | | | 06.6+ | | |
| 11+00 | | | 5.3 10.3 | 06.6 | C38 | 4.9 |
| 11+50 | | | 5.0 10.6 | 06.6 | C42 | 3.8 |
| 12+00 | | | 4.3 11.3 | 06.8 | C45 | 11.8 |
| 12+50 | | | 3.8 11.8 | 07.0 | C48 | 1.2 |
| 12+75 | | | 3.9 11.7 | 07.0 | C42 | 13.6 |
| 13+00 | | | 4.0 11.6 | 07.4 | C42 | |
| 13+50 | | | 3.8 11.8 | 7.9 | C38 | |
| 14+00 | | | 3.3 12.3 | 8.3 | C40 | 15.61 |
| +06 | | | 3.2 12.4 | 8.3 | C41 | 8.22 |
| +06 (5) R EH | | | 2.1 13.5 | 15.1 | C52 | 7.39 = 7.34 |

4.9
3.8
11.8
1.2
13.6
15.61
8.22
7.39 = 7.34
Top EH SE
F21 to Flange Cor Bead
C46 to EH Magnolia
C41 2nd Tee end of work
F16 to Flange C52 To EH

MAGNOLIA ST.
(Cont'd.)

~~14109 F.H. TEE~~

~~(5) F.H.~~

WATER METERS

| | | | | | | |
|---------|----------|------|-------|------|-----|---------------|
| 1417 N. | N. 11.49 | 4.85 | 06.30 | 07.1 | F08 | 2604 Magnolia |
| 1450 N | " " | 4.6 | 06.9 | 07.0 | F01 | 2612 " |
| 2402 S | " | 4.9 | 06.6 | 06.9 | F03 | 2619 " |
| 2402 N | " | 4.7 | 06.8 | 06.9 | F01 | 2624 " |
| 2452 S. | " | 4.9 | 06.6 | 06.8 | F03 | 2627 " |
| 2459 N | " | 4.8 | 06.7 | 06.8 | F01 | 2634 " |
| 2497 S | " | 4.8 | 06.7 | 06.6 | C01 | 2635 " |
| 3414 N | " | 4.95 | 06.50 | 06.6 | F01 | 2642 " |
| 3420 S | " | 4.8 | 06.7 | 06.6 | C01 | 2645 " |
| 3462 N. | " | 4.7 | 06.8 | 06.4 | C02 | 2648 " |
| 3484 S | " | 4.9 | 06.6 | 06.3 | C03 | 2653 " |
| 3497 N | " | 4.6 | 06.9 | 06.3 | C06 | 2652 " |
| 4429 S | " | 5.1 | 06.4 | 06.2 | C02 | 2661 " |
| 4441 N | " | 5.3 | 06.2 | 06.2 | C00 | 2660 " |

MAGNOLIA ST.
(Cont'd)

WATER METERS

| | | | | | | |
|------------------------|---------|-----|------|------|---|---------------|
| 4+71 S | 11.49 | 5.2 | 06.3 | 06.0 | CO ³ | 2669 Magnolia |
| 4+75 N | | 5.6 | 05.9 | 06.0 | FO ¹ | 2664 " |
| 5+33 N | | 5.4 | 06.1 | 05.9 | CO ² | 2670 " |
| 5+96 N | | 5.9 | 05.6 | 05.7 | FO ¹ | 2686 " |
| 7+55 S | Ni 1255 | 6.8 | 05.8 | 5.9 | FO ¹ | 2707 " |
| 7+95 S | | 6.5 | 06.1 | 6.1 | FO ³ | 2711 " |
| 8+02 N | | 5.8 | 06.8 | 6.4 | CO ⁴ | 2716 " |
| 8+37 S | | 5.7 | 06.9 | 6.7 | CO ² | 2717 " |
| 8+72 N | | 5.5 | 07.1 | 7.1 | CO ² | 2724 " |
| 9+02 S | | 4.8 | 07.8 | 7.5 | CO ² | 2725 " |
| 9+27 N | | 4.4 | 08.2 | 7.8 | CO ¹ | 2730 " |
| 9+49 S | | 4.1 | 08.5 | 8.0 | FO¹ CO ⁵ | 2731 " |
| 9+57 N | | 3.7 | 08.9 | 8.1 | CO ⁸ | 2736 " |
| 9+89 S | 15.61 | 6.4 | 9.2 | 8.6 | CO ⁶ | 2739 |
| 10+34 S | | 5.4 | 10.2 | 9.2 | CO ¹⁰ | 2745 |
| 11+94 S | | 3.9 | 11.7 | 10.9 | CO ⁸ | |
| 12+57 2 m ^s | | 3.1 | 12.5 | 12.2 | CO ³ | |
| 12+80 2 m ^s | | 3.4 | 12.2 | 12.5 | FO ³ | |

CONTINUED FROM PAGE 70

BALBOA AVE. NOYES ST. EAST
CHECK DEPTH EXISTING 10" MAIN

48.43

4+94

9.57

5+77

10.95

T.P. 0.32 38.50 10.25 38.18

6+86

2.75

7+89

4.03

8+92

5.45

9+84

7.01

10+79

8.46

11+76

10.49

12+82

12.37

T.P. 2.13 40.31 0.32 38.18

CHECK

T.B.M.

12.13 28.18 = 28.21

WEST

WILLIAMS

VARONFAKIS X

KELLHOFER †

75.

10/14/55

SEE PAGE 70

SEA LANE

LA Jolla to Draper Ave
Palm Group 26

7+73 ²³

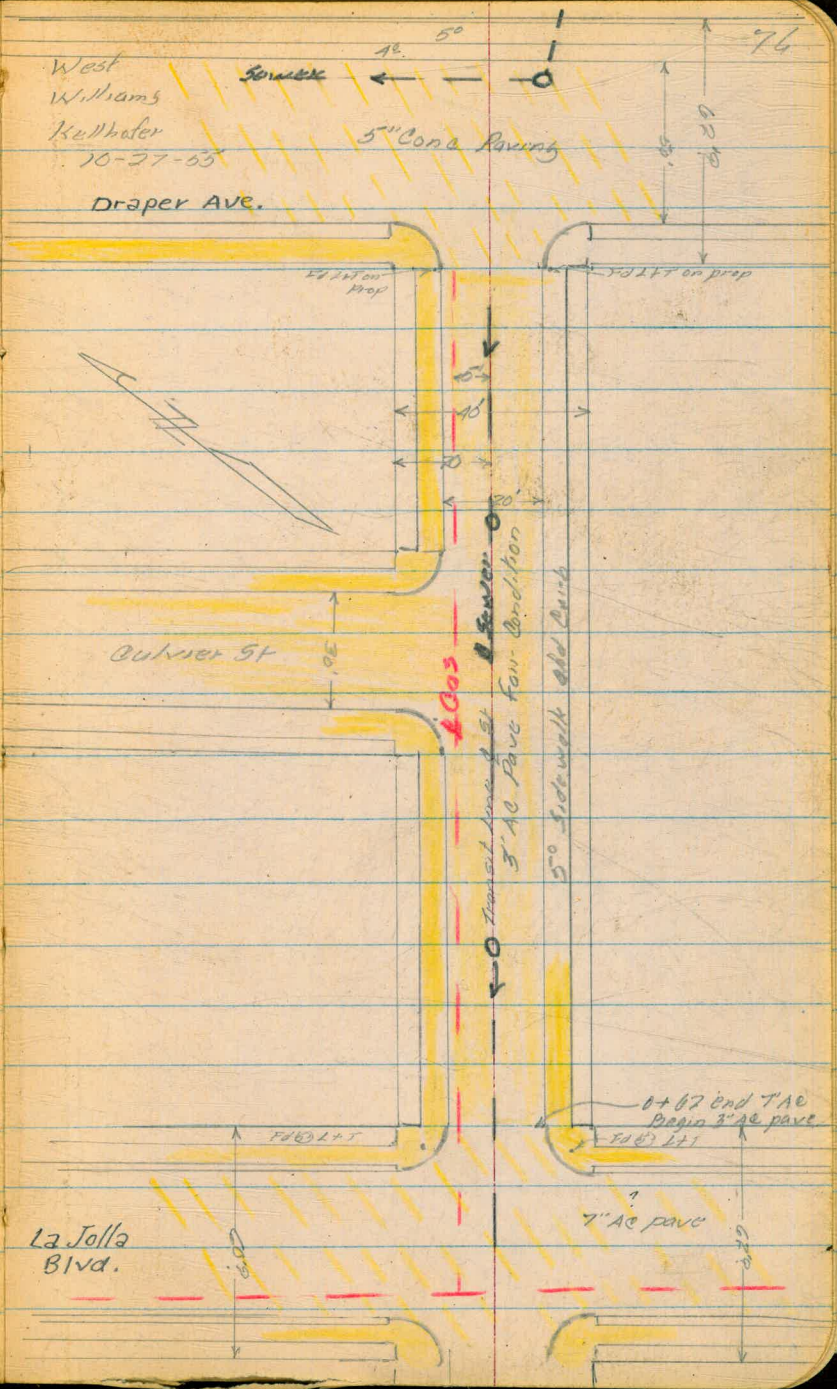
POT why prop line

0+55

POT ⑤ Why prop line La Jolla Blvd

0+00

Why prop line ?



Sta. on
Drwg. Sea Lane
Profile

| | | | |
|------|---------|--------|-------|
| | 6.87 | 76.70 | 69.83 |
| 0+00 | 8+35.73 | 76.5 | 69.1 |
| +50 | | 6.68 | 70.0 |
| 1+00 | 7+35.73 | 4.74 | 72.0 |
| +13 | | 4.23 | 72.5 |
| +50 | | 2.75 | 74.0 |
| 2+00 | 6+35.73 | 0.68 | 76.0 |
| | 12.11 | 88.69 | 4.12 |
| +50 | | 10.35 | 78.3 |
| 3+00 | | 7.97 | 81.2 |
| +50 | | 5.68 | 83.0 |
| 4+00 | 4+35.73 | 3.36 | 85.4 |
| +42 | | 1.62 | 87.1 |
| +50 | | 1.07 | 87.6 |
| | 12.34 | 100.99 | 0.05 |
| 5+00 | | 11.23 | 89.8 |
| +50 | | 9.00 | 92.0 |
| 6+00 | 2+35.73 | 6.82 | 94.2 |
| +50 | | 4.59 | 96.4 |

NEAR La Jolla Blvd & Center St
5° R1 & proposed rd

ully prop line? 7.66

6.68

4.84

Top sly edge Sewer MH on Transit line

2.84

0.75

10.35

8.00

5.65

3.97

Top sly MH Sewer MH on Transit line

1.09

11.35

8.99

6.76

4.51

+4.3 to flow

+5.6 to flow line

Red'd
by Rocky
10/28/55

| | | | |
|-------------------|--------------------|--------|-----------------|
| | 100.98 | | |
| 7+00 | 1+35 ⁷³ | 2.22 | 98.8 |
| | 7.73 | 107.92 | 0.79 100.19 |
| 7+50 | | 6.99 | 100.9 |
| +74 | | 5.72 | 102.2 |
| +85 | | 5.95 | 102.0 |
| 8+00 | 0+35 ⁷³ | 5.34 | 102.6 |
| | | | +5.2 to Flow |
| +19 | | 4.90 | 103.2 |
| +24 | | 5.3 | 102.6 |
| +24.1 | | 4.6 | 103.3 |
| +35 ⁷³ | 0+00 | 3.9 | 104.0 |
| | ↙ | 15.3 | 106.39 = 106.40 |
| | sta. | | |
| | On Drawg. | | |

5° RT & Proposed Pl.

2.17

6.96

end of AC begin ^{cone pave}

5.74

Gutter Line

5.86

5.86

Top Nly from Sewer 144 17' RT of Transit Line

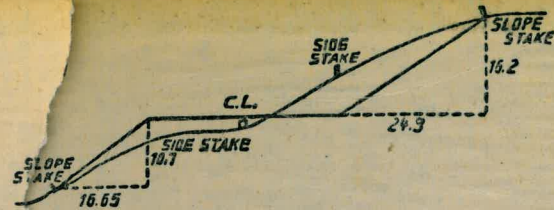
Gutter Line

Top of Ob

Ely prop line Draper St 3.7

194.40 SW cor Draper + Center St

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



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 | 71.25 | 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 |

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