

278

S.M.P.L. ~ ~  
LEVEL NOTES  
230-1013

W278

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2-63.

O.R.-S.D. 2nd. Main Pipe Line.  
Level Notes, Sta. 630+37.5 to  
Sta. 1013+75.

Note - These notes abandoned from  
Sta. 630+37.5 to Sta. 864+61.37

66-67 Check Levels to City B.M's. around  
Encanto.



Profile levels from Nat. Range line  
to University Hts. Reservoir

|             | +S     | H.I.   | -S   | Elev.  |
|-------------|--------|--------|------|--------|
| BM          | 0.98   | 348.98 |      | 348.00 |
| 630+375     |        |        | 11.1 | 37.6   |
| 631         |        |        | 9.2  | 39.6   |
| 632         |        |        | 5.9  | 43.1   |
| +395 P.C.   |        |        | 7.5  | 44.5   |
| 633         |        |        | 2.3  | 46.7   |
| 632+87      |        |        | 4.3  | 44.7   |
| 633+36 P.T. |        |        | 2.1  | 46.9   |
| +74'        |        |        | 3.3  | 45.7   |
| 634         |        |        | 2.4  | 46.6   |
| +50         |        |        | 6.8  | 42.2   |
| T.P.        |        |        | 9.32 | 339.66 |
| 6.15        | 345.81 |        |      |        |
| 634+90      |        |        | 7.0  | 38.8   |
| 635         |        |        | 8.9  | 36.9   |
| +20         |        |        | 11.6 | 34.2   |
| +50         |        |        | 11.5 | 34.3   |
| +65         |        |        | 9.6  | 36.2   |
| 636         |        |        | 9.7  | 36.1   |
| 637         |        |        | 7.8  | 38.0   |
| 638         |        |        | 5.8  | 40.0   |
| 639         |        |        | 1.3  | 44.5   |
| T.P.        |        |        | 0.28 | 345.53 |
| 12.94       | 358.47 |        |      |        |

Revised  
July 7, 19  
CJ

Parker  
Converse  
Hill

5/28/29

Clear & warm

2

Top Air valve Sta 221+52 = 633+56

Note City Datum used

Top of pipe

Peg 15' 634+90

Peg 639+22

|      |        |      |        |
|------|--------|------|--------|
|      | 358.17 |      |        |
| 610  |        | 6.6  | 351.9  |
| +50  |        | 1.7  | 368    |
| T.P. |        | 0.24 | 358.23 |
|      | 12.23  |      | 370.46 |
| 611  |        | 11.1 | 594    |
| +70  |        | 8.9  | 62.1   |
| 612  |        | 6.4  | 64.1   |
| +30  |        | 6.7  | 63.8   |
| +65  |        | 2.6  | 67.9   |
| T.P. |        | 0.86 | 369.60 |
|      | 6.65   |      | 376.25 |
| 613  |        | 4.3  | 71.0   |
| +80  |        | 3.05 | 373.20 |
| B.M. | 3.04   |      | 376.24 |
|      |        |      | 373.20 |
| 614  |        | 4.8  | 71.4   |
| +10  |        | 6.5  | 69.7   |
| +60  |        | 8.7  | 67.5   |
| 615  |        | 8.6  | 67.6   |
| +57  |        | 8.9  | 67.3   |
| +61  |        | 10.7 | 65.5   |
| +67  |        | 8.6  | 67.6   |
| 616  |        | 6.8  | 69.4   |
| 617  |        | 3.1  | 73.1   |
| 618  |        | 4.1  | 72.1   |
| +84  |        | 7.7  | 68.5   |

Peg 610+70

Peg 612+80

B.M. Air-valve 23 L Elev. 373.19

Howline 12" x 12" woodcut, also = gr'd. elev.



376.29

|      |      |        |
|------|------|--------|
| 649  | 5.7  | 70.5   |
| +25  | 3.1  | 73.1   |
| +16  | 1.8  | 74.4   |
| T.P. | 0.22 | 376.02 |

11.27 387.29

|      |      |        |
|------|------|--------|
| 650  | 9.8  | 77.5   |
| +65  | 7.9  | 82.4   |
| 651  | 0.1  | 86.9   |
| T.P. | 0.18 | 386.81 |

4.00 390.81

|        |       |        |
|--------|-------|--------|
| 651+22 | 1.0   | 89.8   |
| +16    | 1.0   | 89.8   |
| +85    | 4.0   | 86.8   |
| 652    | 7.6   | 86.2   |
| 653    | 8.0   | 82.8   |
| T.P.   | 12.35 | 378.46 |

1.09 379.55

|        |       |        |
|--------|-------|--------|
| 654    | 2.9   | 76.7   |
| B.M.   | 6.1   | 873.71 |
| 654+50 | 7.6   | 72.0   |
| T.P.   | 12.59 | 366.96 |

0.02 366.98

|     |      |      |
|-----|------|------|
| 655 | 1.6  | 65.4 |
| 656 | 9.1  | 57.6 |
| T20 | 10.7 | 50.3 |

Peg 4' R 649+70

Peg 5' L 651+00

S. edge part.  
N " "

X on rock 653+77

Top of air valve 23' L of 654+00

? Top of Pipe ?

Rock 9' L 654+87

-2.35 371.06  
2.76  
368.30

366.98

|            |       |        |        |
|------------|-------|--------|--------|
| 656+27     |       | 7.6    | 59.4   |
| 657        |       | 6.4    | 60.6   |
| +45        |       | 7.5    | 59.5   |
| +88        |       | 13.0   | 59.0   |
| T.P.       |       | 12.90  | 354.08 |
|            | 0.82  | 354.90 |        |
| 658        |       | 3.4    | 51.5   |
| +30        |       | 11.1   | 43.8   |
| T.P.       |       | 12.80  | 342.10 |
|            | 0.66  | 342.76 |        |
| +47        |       | 2.5    | 40.8   |
| +67        |       | 9.0    | 33.8   |
| 659        |       | 12.0   | 30.8   |
| +43        |       | 15.6   | 27.2   |
| +83        |       | 16.8   | 26.8   |
| 660        |       | 13.4   | 29.4   |
| +10        |       | 10.7   | 32.1   |
| +23        |       | 8.6    | 31.2   |
| +54        |       | 7.9    | 31.9   |
| +85        |       | 8.2    | 31.6   |
| 661        |       | 11.1   | 31.7   |
| +56        |       | 11.1   | 31.7   |
| 662 + T.P. |       | 0.18   | 342.58 |
|            | 12.48 | 355.06 |        |

Peg at 657+88

Peg at 658+36

S. Edge of road

N. " " " " Begin of staking dobe

Prerido drain



355.06

|        |        |      |        |                    |
|--------|--------|------|--------|--------------------|
| 662+12 |        | 12.2 | 72.9   |                    |
| +35    |        | 5.1  | 77.7   |                    |
| T.P.   |        | 0.70 | 359.36 |                    |
| 12.16  | 366.52 |      |        |                    |
| 662+55 |        | 11.0 | 353.5  |                    |
| +88    |        | 6.1  | 60.1   |                    |
| +90    |        | 8.0  | 58.5   |                    |
| 663    |        | 6.8  | 59.7   |                    |
| +17    |        | 7.1  | 59.1   |                    |
| +21    |        | 9.2  | 57.3   |                    |
| +26    |        | 8.2  | 58.3   | -5.53 <sup>3</sup> |
| +36    |        | 10.8 | 55.7   |                    |
| +42    |        | 7.8  | 58.7   |                    |
| +60    |        | 7.5  | 62.0   |                    |
| +85    |        | 7.1  | 62.4   |                    |
| 664    |        | 6.8  | 59.7   |                    |
| +10    |        | 7.7  | 58.8   | 5.53 <sup>8</sup>  |
| +17    |        | 4.9  | 61.6   |                    |
| +24    |        | 2.8  | 63.7   |                    |
| T.P.   |        | 1.76 | 364.76 |                    |
| 12.94  | 377.70 |      |        |                    |
| 664+50 |        | 7.6  | 70.1   |                    |
| B.M.   |        | 4.15 | 373.55 |                    |

Page 11 R 662+80

x drain over grade 5' below ground<sup>elev</sup>  
provide pier supports

" " " " "

Top air valve 23' L 664+50

377.70

|        |        |       |        |
|--------|--------|-------|--------|
| 664+75 |        | 5.7   | 372.0  |
| 665    |        | 6.2   | 371.5  |
| +25    |        | 5.0   | 72.7   |
| +40    |        | 6.1   | 71.6   |
| +60    |        | 4.3   | 73.4   |
| +85    |        | 5.9   | 71.8   |
| 666    |        | 5.7   | 72.0   |
| +20    |        | 6.1   | 71.6   |
| +50    |        | 9.0   | 68.7   |
| 667    |        | 12.6  | 65.1   |
| T.P.   |        | 12.62 | 365.08 |
| 1.89   | 366.97 |       |        |
| +50    |        | 8.1   | 58.9   |
| 668    |        | 11.2  | 55.8   |
| T.P.   |        | 12.71 | 354.26 |
| 1.39   | 355.65 |       |        |
| 669    |        | 6.1   | 49.3   |
| +15    |        | 8.5   | 47.2   |
| T.P.   |        | 12.85 | 342.80 |
| 1.46   | 344.26 |       |        |
| 670    |        | 4.0   | 40.3   |
| +36    |        | 8.1   | 36.2   |
| +50    |        | 8.0   | 36.3   |
| +55    |        | 10.5  | 33.8   |
| +85    |        | 10.5  | 33.8   |

Pipe grade 7' below.

End of sluffing Dobe

Peg at 667+00

Peg at 668+30

Peg at 669+70

S. edge of road

N



|        |        |       |        |
|--------|--------|-------|--------|
|        | 344.26 |       |        |
| 671    |        | 11.6  | 332.7  |
| T.P.   |        | 12.97 | 331.39 |
|        | 0.91   |       | 332.30 |
| B.M.   |        | 2.01  | 330.29 |
| 671+60 |        | 1.7   | 30.6   |
| +80    |        | 4.5   | 27.8   |
| 672    |        | 4.7   | 27.6   |
| +35    |        | 5.8   | 26.5   |
| +75    |        | 9.2   | 23.1   |
| +88    |        | 11.5  | 20.8   |
| T.P.   |        | 12.99 | 319.31 |
|        | 0.23   |       | 319.54 |
| 673    |        | 2.0   | 17.3   |
| +20    |        | 6.8   | 12.7   |
| +40    |        | 10.4  | 09.1   |
| T.P.   |        | 12.91 | 306.63 |
|        | 3.20   |       | 309.83 |
| +67    |        | 8.7   | 01.1   |
| +74    |        | 12.7  | 297.1  |
| T.P.   |        | 12.75 | 297.10 |
|        | 0.44   |       | 297.54 |
| 674    |        | 10.0  | 87.5   |
| T.P.   |        | 12.81 | 284.73 |
|        | 0.53   |       | 285.26 |

peg 671+51

671+70-25' L Nail in pow. pole

Peg 672+93

Peg 673+16

Peg 15' L 674+10

|        |        |       |        |
|--------|--------|-------|--------|
|        | 285.26 |       |        |
| T.P.   |        | 12.65 | 272.61 |
| 0.89   | 273.50 |       |        |
| T.P.   |        | 12.56 | 260.94 |
| 1.86   | 262.80 |       |        |
| 674+85 |        | 9.3   | 59.5   |
| 675    |        | 10.6  | 59.2   |
| T.P.   |        | 13.00 | 249.80 |
| 0.16   | 249.96 |       |        |
| 675+22 |        | 2.0   | 48.0   |
| +27    |        | 5.2   | 44.8   |
| +36    |        | 5.4   | 44.6   |
| +48    |        | 11.6  | 38.4   |
| T.P.   |        | 12.99 | 236.97 |
| 0.81   | 237.81 |       |        |
| 676    |        | 5.3   | 232.5  |
| +27    |        | 7.8   | 30.0   |
| +50    |        | 12.7  | 25.1   |
| T.P.   |        | 12.65 | 225.16 |
| 0.62   | 225.78 |       |        |
| 677    |        | 4.3   | 21.5   |
| +09    |        | 5.1   | 20.7   |
| +26    |        | 5.4   | 20.4   |
| +46    |        | 5.4   | 20.4   |
| +55    |        | 6.0   | 19.8   |
| +65    |        | 7.6   | 18.2   |

Peg 675+10 4'R

S. edge of pad  
N " " "

Peg 4'R 675+60

4' Concr. Walk (15') Drain across street  
S. edge part.  
N. " "



|        |        |        |        |
|--------|--------|--------|--------|
|        | 225.75 |        |        |
| 678    |        | 9.0    | 16.8   |
| +20    |        | 6.7    | 19.1   |
| +28    |        | 8.2    | 17.6   |
| +40    |        | 12.1   | 13.7   |
| +54    |        | 12.1   | 13.7   |
| +73    |        | 8.3    | 17.5   |
| T.P.   |        | 10.35  | 215.43 |
|        | 4.70   | 220.13 |        |
| B.M.   |        | 6.54   | 213.59 |
| 678+90 |        | 12.3   | 07.8   |
| 679    |        | 12.4   | 07.7   |
| +17    |        | 12.7   | 07.7   |
| +28    |        | 8.7    | 11.4   |
| +60    |        | 6.3    | 13.8   |
| 680    |        | 6.9    | 13.2   |
| T.P.   |        | 3.04   | 217.09 |
|        | 11.20  | 228.29 |        |
| +92    |        | 14.9   | 13.4   |
| 681    |        | 11.5   | 16.8   |
| +17    |        | 4.2    | 24.1   |
| T.P.   |        | 1.73   | 226.56 |
|        | 11.54  | 238.10 |        |
| 682    |        | 6.4    | 31.7   |
| +06    |        | 4.6    | 33.5   |
| +34    |        | 3.5    | 34.6   |

~~RR. top rail elev.~~

~~Top of spoil bank~~

~~65th. + Aikens.~~

~~Nail in Pow. pole 200 W of 679+00  
edge drain ditch~~

~~" " "~~

~~grade 5' below~~

~~Nail in guy pole 60' 682+00~~

|             |        |      |        |
|-------------|--------|------|--------|
|             | 238.10 |      |        |
| 682+90      |        | 3.2  | 37.9   |
| 683         |        | 2.1  | 35.7   |
| +10         |        | 1.4  | 36.7   |
| T.P.        |        | 0.10 | 238.00 |
| 12.24       | 250.24 |      |        |
| 683+31      |        | 11.3 | 38.9   |
| +42         |        | 11.1 | 39.1   |
| +50         |        | 9.6  | 40.6   |
| +82         |        | 7.1  | 42.8   |
| 684         |        | 6.8  | 43.4   |
| T.P.        |        | 0.17 | 249.77 |
| 12.04       | 261.81 |      |        |
| 685         |        | 11.2 | 250.6  |
| 686         |        | 4.0  | 57.8   |
| +05         |        | 3.0  | 58.8   |
| T.P.        |        | 0.52 | 261.29 |
| 12.82       | 274.11 |      |        |
| +88         |        | 10.7 | 63.4   |
| +95         |        | 8.8  | 65.3   |
| 687         |        | 8.6  | 65.5   |
| B.M.        |        | 4.57 | 269.54 |
| +71         |        | 4.3  | 69.8   |
| 688         |        | 3.6  | 70.5   |
| +32.36 P.C. |        | 2.4  | 71.7   |
| +50         |        | 2.6  | 71.5   |

5/29/29 Clear  
Warm  
Converse  
Hill  
Elliot  
Simpson

S. edge part  
Nail in header 5' L. 683+30

N edge part.

Peg 684+90

Peg

Top air valve 687+50



|             |          |        |       |        |
|-------------|----------|--------|-------|--------|
|             |          | 274.11 |       |        |
| 688+75      |          |        | 3.2   | 70.9   |
| 689         |          |        | 3.6   | 70.5   |
| +25         |          |        | 6.2   | 67.9   |
| +54.24 P.T. |          |        | 10.6  | 63.5   |
| T.P.        |          |        | 12.17 | 261.94 |
|             | 122      | 263.16 |       |        |
| +75         | 23 1/2 L |        | 4.7   | 58.8   |
| +75         |          |        | 4.3   | 58.9   |
| +88         |          |        | 7.9   | 55.3   |
| 690         |          |        | 12.3  | 50.9   |
| T.P.        |          |        | 12.56 | 250.66 |
|             | 183      | 252.73 |       |        |
| 690+11      |          |        | 4.9   | 47.5   |
| +23         |          |        | 7.9   | 44.5   |
| +32         |          |        | 10.3  | 42.1   |
| +50         |          |        | 13.0  | 39.4   |
| T.P.        |          |        | 12.52 | 239.91 |
|             | 564      | 245.55 |       |        |
| +63         |          |        | 10.0  | 35.6   |
| +67         |          |        | 12.1  | 33.5   |
| +75         |          |        | 9.7   | 35.9   |
| 691         |          |        | 1.8   | 43.8   |
| T.P.        |          |        | 0.83  | 244.72 |
|             | 12.5-1   | 257.23 |       |        |

Peg 689+65

Top of pipe over 1st bent  
grade 10' below

Peg 690+01

Peg 690+50

Peg 3' L 681+03

Grade of trestle

|        |        |        |        |
|--------|--------|--------|--------|
|        | 257.23 |        |        |
| 691+15 |        | 9.6    | 47.6   |
| +30    |        | 6.9    | 50.3   |
| +50    |        | 2.6    | 54.6   |
| +57    |        | 1.5    | 55.7   |
| 690+60 |        | 0.2    | 257.0  |
| T.P.   |        | 1.21   | 256.02 |
|        | 12.57  | 268.59 |        |
| 691+57 | 23'±L  | 9.8    | 58.6   |
| 692    |        | 7.1    | 61.5   |
| +21    |        | 3.2    | 65.4   |
| T.P.   |        | 0.68   | 267.91 |
|        | 11.68  | 279.59 |        |
| +70    |        | 8.9    | 270.7  |
| 693    |        | 5.7    | 73.9   |
| +30    |        | 2.8    | 76.8   |
| T.P.   |        | 0.53   | 279.06 |
|        | 12.17  | 291.23 |        |
| 693+64 |        | 12.2   | 279.0  |
| 694    |        | 9.1    | 82.1   |
| +55    |        | 7.1    | 87.1   |
| T.P.   |        | 0.21   | 291.02 |
|        | 12.47  | 303.99 |        |
| 695    |        | 13.0   | 90.5   |
| +40    |        | 8.5    | 96.0   |
| +75    |        | 4.8    | 98.7   |

Top of pipe at middle of trestle  
Peg 9' L 691+58

Top of pipe

Peg 692+92

Peg 693+67

Peg 12' L 694+92



|      |        |      |        |
|------|--------|------|--------|
|      | 303.79 |      |        |
| 696  |        | 1.4  | 302.1  |
| T.P. |        | 0.26 | 303.23 |
|      | 13.02  |      | 316.25 |
| +10  |        | 5.4  | 10.9   |
| 697  |        | 0.6  | 15.7   |
| T.P. |        | 0.55 | 315.70 |
|      | 12.96  |      | 328.66 |
| 698  |        | 2.9  | 25.8   |
| T.P. |        | 0.98 | 327.68 |
|      | 7.13   |      | 334.81 |
| +50  |        | 5.6  | 29.2   |
| 699  |        | 7.5  | 30.3   |
| B.M. |        | 4.41 | 330.40 |
| +25  |        | 2.9  | 31.9   |
| +15  |        | 3.4  | 31.4   |
| +65  |        | 7.6  | 30.2   |
| 700  |        | 4.0  | 30.8   |
| 701  |        | 2.0  | 32.8   |
| +14  |        | 1.0  | 33.8   |
| T.P. |        | 0.80 | 337.01 |
|      | 10.01  |      | 347.02 |
| 702  |        | 8.3  | 35.7   |
| +28  |        | 8.6  | 35.4   |
| +10  |        | 7.2  | 36.8   |

Peg 10' L 696+00

Peg 697+00

Peg 2' L 698+26

Top air valve 23' L 699+16

Peg 701+13

|  | 344.02 |        |        |                    |
|--|--------|--------|--------|--------------------|
| 702+57   |        | 8.3    | 35.7   |                    |
| on forward st. $\frac{1}{2}$ part.                                 |        |        |        |                    |
| 6' head of R <sub>1</sub> (31' E along $\frac{1}{2}$ part to M.H.) |        | 7.6    | 36.9   | 40.26.4            |
| " "  |        |        |        |                    |
| " " 53' W along $\frac{1}{2}$ part <sup>+8' N</sup>                |        | 11.0   | 33.0   | 25 30.5            |
| " " 224.5' along $\frac{1}{2}$ part.                               |        | 10.3   | 33.7   | 925-24.45<br>25.00 |
| 703+29.5   |        | 10.7   | 33.3   |                    |
| +55  |        | 8.6    | 35.7   |                    |
| B.M.   |        | 9.54   | 334.18 |                    |
| 704  |        | 4.9    | 39.1   |                    |
| +32  |        | 2.2    | 41.8   |                    |
| T.P.   |        | 0.95   | 373.07 |                    |
|  | 13.11  | 356.18 |        |                    |
| 705  |        | 10.0   | 46.2   |                    |
| +45  |        | 5.1    | 51.1   |                    |
| +60  |        | 3.7    | 52.5   |                    |
| 706  |        | 0.9    | 55.3   |                    |
| T.P.   |        | 0.39   | 355.79 |                    |
|  | 12.42  | 368.21 |        |                    |
| 706+21   |        | 15.3   | 52.9   |                    |
| +21  |        | 11.7   | 56.5   |                    |
| +30  |        | 11.8   | 56.4   |                    |
| 707  |        | 3.6    | 64.6   |                    |
| T.P.   |        | 0.35   | 367.86 |                    |
|  | 13.05  | 380.91 |        |                    |

S edge part  
Top M.H. 10.0 to flow line (sewer) 8" pipe

Top M.H. 2.5 to bot. (Gas Co.) <sup>9 pipe lines</sup> intersec. of  $\frac{1}{2}$   
Top M.H. 9.25 to flow line (sewer)  
N. edge part.

Top hydrant 60.5' L 743+50

Peg 701+56

Peg 706+00

Top of <sup>cast iron</sup> 2" pipe to Reservoir (200' E)

Peg G.R. 707+10



|        |        |        |              |
|--------|--------|--------|--------------|
|        | 380.91 |        |              |
| 707+65 |        | 6.6    | 71.3         |
| +78    |        | 7.1    | 73.5         |
| 708    |        | 6.2    | 71.7         |
| +15    |        | 5.3    | 75.6         |
| +26    |        | 2.7    | 78.2         |
| T.P.   |        | 7.6    | 373.75       |
|        | 5.21   | 378.96 |              |
| +50    |        | 1.1    | 77.9         |
| +70    |        | 6.1    | 72.9         |
| +81    |        | 6.6    | 72.4         |
| +81    |        | 8.9    | 70.1         |
| B.M.   |        | 5.53   | 373.43       |
| 709    |        | 6.8    | 72.2         |
| +25    |        | 7.2    | 71.8         |
| +50    |        | 7.2    | 71.8         |
| +75    |        | 8.6    | 70.4         |
| 710    |        | 8.3    | 70.7         |
| +25    |        | 6.3    | 72.7         |
| +1064  |        | 6.2    | 72.8         |
| +50    |        | 6.3    | 72.7         |
| +75    |        | 4.4    | 74.6         |
| 711    |        | 7.1    | 71.9         |
| +25    |        | 8.4    | 70.6         |
| +38    |        | 12.7   | 66.3         |
| T.P.   | 0.65   | 367.06 | 12.55 366.71 |

Peg 25' L 708+50

Top of pipe

Top air valve 4'R 708+90

Peg 711+38

|        |        |       |        |
|--------|--------|-------|--------|
|        | 367.06 |       |        |
| 711+50 |        | 3.8   | 63.3   |
| +61    |        | 7.4   | 59.7   |
| +81    |        | 12.2  | 54.9   |
| TP     |        | 12.58 | 354.88 |
| 0.59   | 355.07 |       |        |
| 712    |        | 2.0   | 47.1   |
| T.P.   |        | 12.79 | 342.28 |
| 0.49   | 342.71 |       |        |
| +46    |        | 9.0   | 333.8  |
| T.P.   |        | 12.90 | 329.87 |
| 0.49   | 330.36 |       |        |
| +57    |        | 0.5   | 29.9   |
| T.P.   |        | 12.71 | 317.65 |
| 0.80   | 318.45 |       |        |
| 713    |        | 2.9   | 315.6  |
| +23    |        | 11.7  | 06.8   |
| T.P.   |        | 12.93 | 305.52 |
| 0.62   | 306.14 |       |        |
| +55    |        | 11.0  | 295.1  |
| T.P.   |        | 12.52 | 293.62 |
| 0.25   | 293.87 |       |        |
| B.M.   |        | 4.30  | 289.57 |
| T.P.   |        | 12.35 | 281.52 |
| 0.52   | 282.04 |       |        |
| 714    |        | 1.6   | 80.4   |

Peg 711+83

Peg 712+19

Peg 712+57

Peg 712+94

Peg 713+28

Peg 713+61

Nail in eucalyptus tree 30' R 713+85

Peg 713+96



|            |        |        |        |
|------------|--------|--------|--------|
|            | 282.04 |        |        |
| 714+25     |        | 9.6    | 272.4  |
| +39        |        | 10.9   | 71.1   |
| T.P.       |        | 12.84  | 269.20 |
|            | 0.31   | 269.51 |        |
| +66        |        | 7.0    | 62.5   |
| +73 (23'R) |        | 2.2    | 67.3   |
| T.P.       |        | 12.72  | 256.79 |
|            | 2.36   | 259.15 |        |
| +89        |        | 6.4    | 52.8   |
| 715        |        | 11.4   | 47.8   |
| +15        |        | 15.3   | 43.9   |
| +27        |        | 12.2   | 47.0   |
| +38        |        | 6.6    | 52.6   |
| +47        |        | 2.7    | 56.5   |
| T.P.       |        | 0.38   | 258.77 |
|            | 11.96  | 270.73 |        |
| +73        |        | 8.2    | 62.5   |
| +79 (23'R) |        | 3.9    | 266.8  |
| 715+25     |        | 4.3    | 66.4   |
| 716        |        | 2.5    | 68.2   |
| T.P.       |        | 0.49   | 270.24 |
|            | 11.87  | 282.11 |        |
| +17        |        | 9.4    | 72.7   |
| +34        |        | 9.4    | 72.7   |
| +40        |        | 6.4    | 75.7   |

Peg 714+46

Top of pipe at 1st bent of trestle,  
Peg 714+80

Peg 715+56

last bent on N-S. 715+50

Top of pipe last bent.  
" " " at middle of trestle

Peg 3'R 716+08

S. edge road

N. " "

58.8  
+1.2  
53.6 = Grade  
5.2  
A

|         |        |      |        |
|---------|--------|------|--------|
|         | 282.11 |      |        |
| T.P.    |        | 0.15 | 281.96 |
| 12.38   | 294.44 |      |        |
| 716+82  |        | 11.6 | 82.8   |
| 717     |        | 9.9  | 81.5   |
| +36     |        | 4.7  | 89.7   |
| +45     |        | 1.2  | 93.2   |
| +63     |        | 0.9  | 93.5   |
| T.P.    |        | 0.66 | 293.78 |
| 12.38   | 306.16 |      |        |
| +65     |        | 9.5  | 96.7   |
| +88     |        | 3.8  | 302.4  |
| 718     |        | 0.8  | 05.4   |
| T.P.    |        | 0.50 | 305.66 |
| 12.71   | 318.37 |      |        |
| +24     |        | 6.6  | 11.8   |
| T.P.+36 |        | 0.92 | 317.95 |
| 12.67   | 330.62 |      |        |
| +60     |        | 10.1 | 20.5   |
| +75     |        | 6.8  | 23.8   |
| 719+10  |        | 3.4  | 27.2   |
| +34     |        | 1.4  | 29.2   |
| T.P.    |        | 0.80 | 329.82 |
| 12.87   | 342.69 |      |        |
| +60     |        | 7.1  | 35.6   |
| 720     |        | 2.0  | 40.7   |

Peg 716+70

S. edge road  
N. " "

718+01 Peg

Peg 718+36

Peg 719+40



|        |       |        |      |        |
|--------|-------|--------|------|--------|
|        |       | 342.69 |      |        |
| T.P.   | 12.15 | 357.77 | 0.10 | 342.29 |
| 720+50 |       |        | 9.4  | 45.3   |
| +84    |       |        | 1.0  | 50.7   |
| 721    |       |        | 3.1  | 51.6   |
| T.P.   |       |        | 0.31 | 354.43 |
|        | 12.67 | 367.10 |      |        |
| +61    |       |        | 6.7  | 60.4   |
| +78    |       |        | 7.5  | 62.6   |
| 722    |       |        | 2.5  | 64.6   |
| T.P.   |       |        | 0.16 | 366.64 |
|        | 8.23  | 374.87 |      |        |
| +20    |       |        | 7.2  | 67.7   |
| +35    |       |        | 9.0  | 65.9   |
| +42    |       |        | 6.1  | 68.8   |
| +51    |       |        | 4.2  | 70.7   |
| +58    |       |        | 6.6  | 68.3   |
| +65    |       |        | 4.0  | 70.9   |
| 723    |       |        | 3.0  | 71.9   |
| B.M.   |       |        | 3.19 | 371.68 |
| +32    |       |        | 3.1  | 71.5   |
| +50    |       |        | 1.0  | 70.9   |
| +75    |       |        | 1.5  | 70.4   |
| +81    |       |        | 6.6  | 68.3   |
| +86    |       |        | 4.8  | 70.1   |
| 724    |       |        | 5.0  | 69.9   |

Peg 4.5 R 720+05

Peg 721+22

Peg 722+10

S edge road  
N " "

Air valve 723+15 23' R

37487

|         |        |        |
|---------|--------|--------|
| 724 +25 | 55     | 69.4   |
| +51     | 6.9    | 68.5   |
| +59     | 9.1    | 65.8   |
| 65      | 6.7    | 68.2   |
| 725     | 6.4    | 68.5   |
| +85     | 7.9    | 67.0   |
| 726     | 9.2    | 65.7   |
| +27     | 9.6    | 65.3   |
| +35     | 11.3   | 63.6   |
| +48     | 11.6   | 63.3   |
| +75     | 13.1   | 61.8   |
| T.P.    | 12.48  | 362.39 |
| 289     | 365.28 |        |
| 727     | 65     | 58.8   |
| +33     | 9.8    | 55.5   |
| +80     | 11.1   | 54.2   |
| 728     | 12.5   | 52.8   |
| +46     | 12.9   | 52.4   |
| +75     | 11.1   | 53.9   |
| 729     | 10.0   | 55.3   |
| 729+25  | 9.6    | 55.7   |
| +50     | 9.2    | 56.1   |
| +75     | 9.2    | 56.1   |
| 730     | 10.5   | 54.8   |
| 731     | 12.4   | 52.9   |

Line is on top of old po. 1 bank  
Lower grade



|        |          |          |          |
|--------|----------|----------|----------|
|        | 365.28 ✓ |          |          |
| 731+50 |          | 12.5     | 52.8     |
| 732    |          | 9.8      | 55.5     |
| +25    |          | 8.0      | 57.3     |
| B.M.   |          | 0.50     | 364.78   |
| +50    |          | 7.0      | 58.3     |
| +75    |          | 7.4      | 57.9     |
| 733    |          | 9.6      | 55.7     |
| +25    |          | 11.7     | 53.6     |
| T.P.   |          | 12.90    | 352.38 ✓ |
|        | 0.41     | 352.79   |          |
| +50    |          | 3.2      | 49.6     |
| +75    |          | 7.3      | 45.5     |
| 734    |          | 12.7     | 40.1     |
| T.P.   |          | 12.64    | 340.15 ✓ |
|        | 0.58     | 340.73 ✓ |          |
| +60    |          | 8.2      | 32.5     |
| 735    |          | 9.8      | 30.9     |
| +32    |          | 11.8     | 28.9     |
| +73    |          | 10.3     | 30.4     |
| +89    |          | 11.5     | 29.2     |
| 736    |          | 13.0     | 27.7     |
| +21    |          | 12.8     | 27.9     |
| +48    |          | 8.7      | 32.0     |
| +74    |          | 5.8      | 34.9     |
| 737    |          | 4.1      | 36.6     |

~~Air valve 29'R 737+25~~

~~Peg 733+35~~

~~734+00 Peg~~

|        |        |      |        |
|--------|--------|------|--------|
|        | 340.73 |      |        |
| 737+25 |        | 0.9  | 39.8   |
| T.P.   |        | 0.81 | 339.92 |
| 12.75  | 352.67 |      |        |
| +70    |        | 8.7  | 44.0   |
| 738    |        | 3.6  | 49.1   |
| T.P.   |        | 0.72 | 352.25 |
| 12.41  | 364.66 |      |        |
| +50    |        | 8.3  | 56.4   |
| T.P.   |        | 0.49 | 364.17 |
| 12.39  | 376.56 |      |        |
| 739    |        | 11.0 | 65.6   |
| +08    |        | 9.1  | 67.5   |
| +20    |        | 6.8  | 69.8   |
| +43    |        | 2.6  | 74.0   |
| B.M.   |        | 1.73 | 374.83 |
| T.P.   |        | 0.25 | 376.31 |
| 7.57   | 383.88 |      |        |
| +87    |        | 3.5  | 80.7   |
| 740    |        | 2.8  | 81.1   |
| +15    |        | 2.7  | 81.2   |
| +30    |        | 0.8  | 82.1   |
| +50    |        | 1.0  | 82.9   |
| +75    |        | 2.2  | 81.7   |
| +90    |        | 2.6  | 81.3   |
| 741    |        | 3.9  | 80.0   |

Top of Pipe  
5.5-369.3  
-3.3  
366.0

Peg 737+25

Peg 738+21

Peg 738+91

E Edgeroad

W. " "

Air rd (no 23) R 739+88 to Top of Pipe 5.5 less

Peg 739+58



|         |        |       |        |
|---------|--------|-------|--------|
|         | 383.86 |       |        |
| 741 +25 |        | 8.0   | 75.9   |
| +50     |        | 12.1  | 71.8   |
| T.P.    |        | 12.44 | 371.44 |
| 0.03    | 371.47 |       |        |
| +75     |        | 3.7   | 68.1   |
| 742     |        | 6.4   | 65.1   |
| +25     |        | 10.0  | 61.5   |
| +50     |        | 12.6  | 58.9   |
| T.P.    |        | 12.67 | 358.80 |
| 1.13    | 359.93 |       |        |
| +75     |        | 4.7   | 55.5   |
| 743     |        | 6.8   | 53.1   |
| +50     |        | 11.9  | 48.0   |
| T.P.    |        | 12.56 | 347.37 |
| 1.081   | 348.18 |       |        |
| 744     |        | 7.1   | 41.1   |
| +50     |        | 10.3  | 37.9   |
| 745     |        | 13.0  | 35.2   |
| T.P.    |        | 12.95 | 336.23 |
| 0.96    | 336.19 |       |        |
| +15     |        | 1.3   | 34.9   |
| +50     |        | 4.9   | 31.3   |
| +75     |        | 6.7   | 29.5   |
| 746     |        | 8.8   | 27.7   |
| +16     |        | 10.1  | 26.1   |

~~VOID~~

Peg 741+53

Peg 742+50

Peg 743+57

Peg 745+00

See back of Book

|        |        |        |        |
|--------|--------|--------|--------|
|        | 336.19 |        |        |
| 746+25 |        | 18.7   | 17.5   |
| +30    |        | 12.8   | 23.4   |
| +37    |        | 9.0    | 27.2   |
| +50    |        | 7.3    | 28.9   |
| +67    |        | 7.3    | 28.9   |
| +86    |        | 5.6    | 30.6   |
| 747    |        | 5.5    | 30.7   |
| B.M.   |        | 1.40   | 331.79 |
| 747+30 |        | 5.2    | 31.0   |
| +50    |        | 6.6    | 29.6   |
| +70    |        | 11.8   | 24.4   |
| T.P.   |        | 12.43  | 323.76 |
|        | 0.88   | 324.64 |        |
| +82    |        | 3.9    | 320.7  |
| 748    |        | 11.1   | 313.5  |
| T.P.   |        | 12.44  | 312.20 |
|        | 0.83   | 313.03 |        |
| +24    |        | 10.0   | 303.0  |
| T.P.   |        | 12.57  | 300.46 |
|        | 0.83   | 301.29 |        |
| +33    |        | 3.2    | 298.1  |
| +41    |        | 4.1    | 297.2  |
| +55    |        | 12.6   | 288.7  |
| T.P.   |        | 12.60  | 288.69 |
|        | 0.14   | 288.83 |        |

5/31/29

25

Parker  
Converse  
Hill  
Elliot  
Simpson

place two supports

Air valve 746+92 23'R

Peg 747+72

Peg 748+04

Peg 748+29

E. edge road.

W. " "

Peg 748+55

See back of book



|        |        |       |        |
|--------|--------|-------|--------|
|        | 288.83 |       |        |
| 748+73 |        | 85    | 280.3  |
| T.P.   |        | 12.88 | 275.95 |
| 0.77   | 276.42 |       |        |
| 749    |        | 5.7   | 70.7   |
| T.P.   |        | 12.82 | 263.60 |
| 0.58   | 267.18 |       |        |
| +52    |        | 9.4   | 57.8   |
| T.P.   |        | 17.79 | 251.39 |
| 0.46   | 251.85 |       |        |
| 750    |        | 12.2  | 39.7   |
| T.P.   |        | 12.10 | 239.45 |
| 2.60   | 242.05 |       |        |
| +18    |        | 11.1  | 31.0   |
| +34    |        | 11.7  | 30.4   |
| +42    |        | 9.2   | 32.9   |
| +50    |        | 7.8   | 34.3   |
| +60    |        | 8.4   | 33.7   |
| +70    |        | 10.1  | 32.0   |
| +85    |        | 9.4   | 32.7   |
| +92    |        | 12.0  | 30.1   |
| 751    |        | 11.0  | 31.1   |
| +10    |        | 10.6  | 31.5   |
| +40    |        | 11.2  | 30.9   |
| +48    |        | 8.1   | 34.0   |
| +60    |        | 7.4   | 34.7   |

Peg 748+84

Peg 749+22

Peg 749+62

Peg 750+01

|        |        |        |        |
|--------|--------|--------|--------|
| 751+85 | 242.05 | 7.1    | 35.0   |
| 752    |        | 5.7    | 36.4   |
| +15    |        | 5.1    | 37.0   |
| +25    |        | 6.0    | 36.1   |
| 748    |        | 4.7    | 37.4   |
| +70    |        | 9.1    | 33.0   |
| +80    |        | 9.5    | 32.6   |
| +94    |        | 2.7    | 39.4   |
| +99    |        | 2.3    | 39.8   |
| 753+35 |        | 2.5    | 39.8   |
| +40    |        | 4.6    | 39.5   |
| T.P.   |        | 23.2   | 239.73 |
|        | 11.93  | 257.66 |        |
| B.M.   |        | 9.00   | 242.66 |
| +44    |        | 8.6    | 43.1   |
| +63    |        | 3.1    | 48.6   |
| T.P.   |        | 0.84   | 250.82 |
|        | 11.77  | 262.29 |        |
| +87    |        | 8.9    | 53.4   |
| 754    |        | 7.0    | 55.3   |
| +80    |        | 2.0    | 60.3   |
| T.P.   |        | 0.39   | 261.90 |
|        | 11.79  | 273.69 |        |
| +84    |        | 10.2   | 63.5   |
| 755    |        | 7.4    | 60.3   |
| +36    |        | 5.0    | 68.7   |

E. edge part.

W " "

E. edge part.

Nail in 2nd g'd. post - Broadway Bridge

Peg 753+38

Peg 754+66



|         |        |       |        |
|---------|--------|-------|--------|
|         | 273.69 |       |        |
| T.P.    |        | 0.5-1 | 273.18 |
|         | 12.54  |       | 285.52 |
| 755+72  |        | 10.2  | 75.3   |
| 756     |        | 6.3   | 79.2   |
| +21     |        | 3.7   | 81.8   |
| +5-0    |        | 0.4   | 85.1   |
| T.P.    |        | 9.42  | 285.10 |
|         | 12.71  |       | 297.81 |
| 757     |        | 6.7   | 91.1   |
| +40     |        | 0.8   | 97.0   |
| T.P.    |        | 0.73  | 297.08 |
|         | 12.46  |       | 309.54 |
| +75     |        | 8.3   | 301.2  |
| 758     |        | 5.3   | 09.2   |
| T.P.    |        | 1.19  | 308.35 |
|         | 11.90  |       | 320.25 |
| +35     |        | 10.7  | 09.6   |
| T.P.    |        | 0.34  | 319.91 |
|         | 12.54  |       | 332.45 |
| 758+90  |        | 11.0  | 21.5   |
| 759     |        | 9.4   | 23.1   |
| +25     |        | 3.9   | 28.6   |
| T.P.+40 |        | 0.66  | 331.79 |
|         | 11.17  |       | 342.96 |
| +60     |        | 2.9   | 35.1   |

Peg 755+59

Peg 756+50

Peg 757+40

Peg 758+21

Peg 755+84

Peg 759+90

|        |                   |      |        |
|--------|-------------------|------|--------|
|        | 342.26            |      |        |
| 759+85 |                   | 3.8  | 39.2   |
| 760    |                   | 1.5  | 41.5   |
| T.P.   |                   | 0.84 | 342.12 |
| 12.20  | 354.32            |      |        |
| +42    |                   | 6.0  | 48.3   |
| +66    |                   | 1.0  | 53.3   |
| T.P.   |                   | 0.95 | 353.37 |
| 12.60  | 365.97            |      |        |
|        | <del>365.97</del> |      |        |
| 761    |                   | 3.9  | 62.0   |
| +12    |                   | 2.0  | 63.9   |
| T.P.   |                   | 0.39 | 365.57 |
| 11.37  | 376.95            |      |        |
| +55    |                   | 5.8  | 65.1   |
| +85    |                   | 2.9  | 69.0   |
| 762    |                   | 6.8  | 70.1   |
| +18    |                   | 5.7  | 71.2   |
| +10    |                   | 3.8  | 73.1   |
| B.M.   |                   | 6.09 | 370.86 |
| 763    |                   | 3.4  | 73.5   |
| +23    |                   | 2.0  | 74.9   |
| +50    |                   | 1.9  | 75.0   |
| +75    |                   | 2.9  | 74.0   |
| 764    |                   | 3.1  | 73.8   |
| +25    |                   | 4.6  | 72.3   |
| +35    |                   | 3.5  | 73.4   |

Peg 760+05

Peg 760+60

Peg 761+20 - R

Air valve 23' R 762+79



|             |                   |                                  |                                   |
|-------------|-------------------|----------------------------------|-----------------------------------|
|             | <del>376.97</del> |                                  |                                   |
| 764+50      |                   | 5.0                              | 71.9                              |
| +75         |                   | 8.7                              | 68.2                              |
| T.P.        |                   | 12.62                            | 364. <del>39</del> <sup>.33</sup> |
|             | 0.89              | <del>365.78</del> <sup>.82</sup> |                                   |
| 765         |                   | 2.0                              | 63.2                              |
| +35         |                   | 9.1                              | 56.1                              |
| T.P.        |                   | 12.79                            | 352. <del>39</del> <sup>.43</sup> |
|             | 0.19              | <del>352.58</del> <sup>.62</sup> |                                   |
| +62         |                   | 1.0                              | 51.6                              |
| +87         |                   | 7.8                              | 44.8                              |
| +95         |                   | 10.8                             | 41.8                              |
| 766         |                   | 11.5                             | 41.1                              |
| +09         |                   | 12.2                             | 40.4                              |
| T.P.        |                   | 12.60                            | 340. <del>02</del> <sup>.57</sup> |
|             | 0.55              | <del>340.59</del>                |                                   |
| 766+08 23'R |                   | 0.4                              | 40.1                              |
| +77         |                   | 8.3                              | 32.2                              |
| 766+09      |                   | 2.3                              | 38.2                              |
| +22         |                   | 9.4                              | 31.1                              |
| T.P.        |                   | 13.03                            | 327. <del>50</del> <sup>.54</sup> |
|             | 0.16              | <del>327.66</del> <sup>.70</sup> |                                   |
| +49         |                   | 11.0                             | 16.7                              |
| +58         |                   | 12.4                             | 15.3                              |
| +67         |                   | 11.6                             | 16.1                              |
| +80         |                   | 9.6                              | 18.1                              |

Peg 764+95

Peg 765+57

Peg 766+05

Top of pipe  
" " " at middle of trestle

Peg 6' 1" 766+26

|               |   |      |                                     |
|---------------|---|------|-------------------------------------|
|               | <sup>.70</sup><br><del>327.56</del>       |      |                                     |
| 766+90        |   | 10.0 | 17.7                                |
| 767           |   | 6.8  | 20.9                                |
| +22           |   | 1.7  | 20.0                                |
| T.P.          |   | 0.40 | <sup>30</sup><br><del>327.26</del>  |
|               | <sup>.14</sup><br><del>12.89</del> 340.70 |      |                                     |
| 767+50 (23'R) |   | 3.7  | 36.7                                |
| +54           |   | 3.8  | 36.3                                |
| T.P.          |   | 0.71 | <sup>.73</sup><br><del>339.69</del> |
|               | <sup>.77</sup><br><del>13.04</del> 352.73 |      |                                     |
| +89           |   | 7.1  | 45.3                                |
| 768           |   | 3.7  | 49.0                                |
| T.P. +11      |   | 0.43 | <sup>34</sup><br><del>352.30</del>  |
|               | <sup>.71</sup><br><del>12.37</del> 364.67 |      |                                     |
| +42           |   | 8.1  | 56.6                                |
| +71           |   | 3.3  | 61.7                                |
| T.P.          |   | 0.37 | <sup>.34</sup><br><del>364.20</del> |
|               | <sup>.85</sup><br><del>11.51</del> 375.84 |      |                                     |
| 769           |   | 11.3 | 64.5                                |
| +19           |   | 8.7  | 67.1                                |
| +36           |   | 7.2  | 68.6                                |
| +50           |   | 10.3 | 65.5                                |
| +50           |   | 6.5  | 69.3                                |
| +75           |   | 5.3  | 70.5                                |
| +84           |   | 3.9  | 71.9                                |
| 770           |   | 3.1  | 72.4                                |

West of Trestle at 767+00 Grade

Peg 9'R 767+28

Top of pipe

Peg 767+68

Peg 768+11

Peg 2'R 768+93

Top of pipe

Ground

cross over head 1' clear.



|      |        |       |                             |
|------|--------|-------|-----------------------------|
|      |        | .85   |                             |
|      | 375.84 |       |                             |
| 770  | 770+25 | 4.0   | 71.8                        |
|      | +50    | 4.9   | 70.9                        |
| 770  | +70    | 4.9   | 70.9                        |
|      | B.M.   | 6.85  | <del>369.00</del><br>368.90 |
|      | +95    | 7.7   | 71.1                        |
| 771  |        | 5.5   | 70.3                        |
|      | +30    | 5.0   | 70.8                        |
|      | +60    | 5.4   | 70.4                        |
| 772  |        | 8.3   | 67.5                        |
|      | +25    | 8.2   | 66.6                        |
|      | +65    | 12.6  | 63.2                        |
|      | +85    | 14.8  | 60.9                        |
| 773  |        | 11.8  | 64.0                        |
|      | +15    | 9.6   | 66.2                        |
|      | +45    | 6.8   | 69.0                        |
| 774  |        | 0.9   | 71.9                        |
|      | T.P.   | 0.94  | 91<br><del>374.97</del>     |
|      | 889    | .80   |                             |
|      | 383.76 |       |                             |
|      | +60    | 7.2   | 79.6                        |
| B.M. |        | 10.65 | 115<br>373.44-50-368.1      |
| 775  |        | 3.0   | 80.8                        |
|      | +25    | 2.9   | 80.9                        |
|      | +50    | 3.3   | 80.5                        |
|      | +75    | 3.3   | 80.5                        |
| 776  |        | 4.5   | 79.3                        |

Air valve 770+85 23' L

Peg 774+00

Air valve 23' L 774+80 top of center pipe  
904 Top of Pipe

.80  
383.75

|          |      |                       |                       |
|----------|------|-----------------------|-----------------------|
| 776 + 25 |      | 7.9                   | 75.9                  |
| + 50     |      | 9.5                   | 74.3                  |
| + 75     |      | 9.6                   | 74.7                  |
| 777      |      | 11.4                  | 72.1                  |
| + 25     |      | 9.6                   | 74.2                  |
| + 50     |      | 8.5                   | 75.3                  |
| + 80     |      | 8.0                   | 75.8                  |
| 778      |      | 8.5                   | 75.3                  |
| T.P.     |      | 12.76                 | 371.50 <sup>.04</sup> |
|          | 1.30 | 372.80 <sup>.34</sup> |                       |
| + 48     |      | 4.1                   | 68.2                  |
| + 85     |      | 11.3                  | 61.0                  |
| T.P.     |      | 12.62                 | 357.58 <sup>.72</sup> |
|          | 0.84 | 360.52 <sup>.56</sup> |                       |
| 779      |      | 1.6                   | 58.9                  |
| + 28     |      | 5.4                   | 55.1                  |
| T.P.     |      | 12.91                 | 347.57 <sup>.65</sup> |
|          | 6.98 | 354.52 <sup>.63</sup> |                       |
| 780      |      | 12.1                  | 42.5                  |
| + 07     |      | 13.9                  | 40.5                  |
| + 12     |      | 12.4                  | 42.2                  |
| + 37     |      | 10.0                  | 44.6                  |
| + 70     |      | 8.5                   | 46.1                  |
| 781      |      | 8.7                   | 45.9                  |
| + 23     |      | 9.2                   | 45.4                  |

Peg 778+99

Peg 779+70



63  
~~354.57~~

|               |       |        |
|---------------|-------|--------|
| 781 +27       | 10.1  | 47.5   |
| +77           | 6.4   | 48.2   |
| 782           | 3.6   | 51.0   |
| T.P.          | 0.45  | 354.14 |
| 12.99         | 17    | 367.13 |
| 783           | 0.7   | 66.5   |
| T.P.          | 0.60  | 366.57 |
| 12.93         | -50   | 379.56 |
| +33           | 9.1   | 70.4   |
| +65           | 7.0   | 72.5   |
| 784           | 6.4   | 73.1   |
| B.M.          | 5.65  | 373.81 |
| 785           | 1.7   | 74.6   |
| +40           | 1.5   | 75.0   |
| 786           | 1.7   | 74.8   |
| 787           | 3.5   | 76.0   |
| +41           | 2.1   | 77.4   |
| B.M.          | 9.10  | 370.86 |
| 787+38 (12'R) | 11.6  | 67.9   |
| +75           | 3.0   | 76.5   |
| 788           | 5.4   | 74.1   |
| +25           | 7.1   | 72.4   |
| +52           | 10.8  | 68.7   |
| T.P.          | 12.55 | 366.71 |
| 0.37          | .29   | 367.25 |

Peg 782+21

Peg 783+00

Air valve 789+90 45'L

Air valve 787+41

Top of pipe

Peg 788+55

29

~~367.25~~

|        |      |       |                                  |
|--------|------|-------|----------------------------------|
| 788+65 |      | 2.0   | 65.3                             |
| 789    |      | 7.4   | 59.9                             |
| +23    |      | 10.7  | 56.6                             |
| T.P.   |      | 13.10 | 354.15 <sup>.19</sup>            |
|        | 0.13 |       | <del>354.28</del> <sup>.32</sup> |
| +42    |      | 2.7   | 51.6                             |
| +68    |      | 6.0   | 48.3                             |
| 790    |      | 12.5  | 41.8                             |
| T.P.   |      | 12.48 | 341.86 <sup>.84</sup>            |
|        | 0.88 |       | <del>342.69</del> <sup>.72</sup> |
| +26    |      | 5.5   | 37.2                             |
| +50    |      | 10.0  | 32.7                             |
| T.P.   |      | 12.50 | 330.48 <sup>.22</sup>            |
|        | 0.25 |       | <del>330.49</del> <sup>.47</sup> |
| +80    |      | 9.8   | 25.6                             |
| 791    |      | 10.1  | 20.3                             |
| T.P.   |      | 12.64 | 317.79 <sup>.83</sup>            |
|        | 1.15 |       | <del>318.94</del> <sup>.98</sup> |
| +27    |      | 5.8   | 13.1                             |
| +52    |      | 14.9  | 09.0                             |
| +70    |      | 10.9  | 08.0                             |
| +85    |      | 7.0   | 11.9                             |
| 792    |      | 7.0   | 11.9                             |
| +13    |      | 7.4   | 11.5                             |
| +40    |      | 4.2   | 14.7                             |

Peg 789+32

Peg 790+00

Peg 790+62

Peg 791+09



<sup>98</sup>  
~~318.94~~

|         |       |                                  |                                  |
|---------|-------|----------------------------------|----------------------------------|
| 792+60  |       | 2.9                              | 16.0                             |
| 793     |       | 1.3                              | 17.6                             |
| T.P.    |       | 0.45                             | <del>318.49</del> <sup>.53</sup> |
|         | 11.86 | <del>330.34</del> <sup>.38</sup> |                                  |
| +90     |       | 10.1                             | 20.2                             |
| +63     |       | 7.4                              | 22.9                             |
| +83     |       | 7.0                              | 23.3                             |
| 794     |       | 5.3                              | 25.0                             |
| +17     |       | 3.2                              | 27.1                             |
| T.P.    |       | 0.45                             | <del>329.89</del> <sup>.93</sup> |
|         | 12.37 | <del>342.26</del> <sup>.30</sup> |                                  |
| +73     |       | 9.0                              | 33.3                             |
| 795     |       | 4.0                              | 38.3                             |
| T.P.+20 |       | 0.76                             | <del>341.80</del> <sup>.84</sup> |
|         | 11.24 | <del>353.04</del> <sup>.08</sup> |                                  |
| +40     |       | 9.5                              | 43.5                             |
| +65     |       | 7.4                              | 45.6                             |
| +85     |       | 4.9                              | 48.1                             |
| 796     |       | 3.8                              | 49.2                             |
| T.P.+46 |       | 0.15                             | <del>352.89</del> <sup>.93</sup> |
|         | 13.07 | <del>366.00</del> <sup>.08</sup> |                                  |
| +64     |       | 12.6                             | 53.4                             |
| +81     |       | 10.3                             | 53.7                             |
| 797     |       | 8.3                              | 57.7                             |
| +30     |       | 7.0                              | 59.0                             |

~~Peg 793+14~~

~~Peg 794+43~~

~~Peg 795+20~~

~~Peg 796+46~~

|          |                   |                   |        |
|----------|-------------------|-------------------|--------|
|          | 366.00            |                   |        |
|          | <del>365.96</del> |                   |        |
| 797+60   |                   | 6.1               | 59.9   |
| +80      |                   | 3.0               | 63.0   |
| 798      |                   | 3.0               | 63.0   |
| T.P.     |                   | 2.83              | 363.73 |
|          | 6.06              | <sup>23</sup>     |        |
|          | <del>369.79</del> |                   |        |
| +90      |                   | 3.7               | 65.5   |
| B.M.     |                   | 0.95              | 368.74 |
| +70      |                   | 5.0               | 64.2   |
| 799      |                   | 6.1               | 63.1   |
| +20      |                   | 8.0               | 61.2   |
| +60      |                   | 13.0              | 56.2   |
| T.P.     |                   | 12.96             | 356.23 |
|          | 0.10              | <sup>37</sup>     |        |
|          | <del>356.83</del> |                   |        |
| +80      |                   | 2.3               | 54.0   |
| 800      |                   | 5.5               | 50.8   |
| +30      |                   | 10.4              | 45.9   |
| T.P. +55 |                   | 12.57             | 343.76 |
|          | 0.10              | <sup>20</sup>     |        |
|          | <del>344.46</del> |                   |        |
| +59      |                   | 1.7               | 342.5  |
| +64      |                   | 3.5               | 40.7   |
| +70      |                   | 2.9               | 41.3   |
| +89.39   |                   | 5.4               | 38.8   |
| 801.     |                   | 7.6               | 36.6   |
| +25      |                   | 11.3              | 32.9   |
| T.P.     |                   | <sup>47</sup>     |        |
|          | 0.29              | <del>331.73</del> | 130.2  |
|          |                   |                   | 331.44 |

Peg 798+16

Air valve 23' R 798+45

Peg 799+60

Peg 800+55

Top of pipe

Peg 801+38



|               |  |       |        |
|---------------|--|-------|--------|
|               | <sup>.47</sup><br><del>331.43</del>      |       |        |
| 801+55        |  | 2.4   | 29.0   |
| 802           |  | 7.8   | 23.6   |
| +14           |  | 8.7   | 22.7   |
| B.M.          |  | 4.37  | 327.06 |
| T.P.          |  | 12.85 | 318.59 |
|               | <sup>.29</sup><br>0.67 <del>319.25</del> |       |        |
| 803           |  | 2.3   | 17.0   |
| 804           |  | 5.1   | 14.2   |
| +36           |  | 6.1   | 13.2   |
| +63           |  | 11.3  | 08.0   |
| T.P.          |  | 12.83 | 306.42 |
|               | <sup>.51</sup><br>0.05 <del>306.77</del> |       |        |
| 805-          |  | 5.9   | 300.6  |
| +60           |  | 12.0  | 294.5  |
| +73           |  | 10.6  | 295.9  |
| 805+66 (10'R) |  | 17.8  | 288.7  |
| +95 (30'L)    |  | 15.8  | 287.7  |
| 806           |  | 10.3  | 296.2  |
| +50           |  | 9.8   | 296.7  |
| 807           |  | 8.6   | 297.7  |
| +43           |  | 5.7   | 300.8  |
| +63           |  | 3.9   | 302.6  |
| 808           |  | 2.1   | 304.4  |
| T.P.          |  | 1.59  | 304.88 |
|               | 5.81 310.69                              |       |        |

4x6 tel. pole 72' L 802+30  
Nail 802+62

Peg 804+71

Flow line 2-24" wood stave culverts  
" " " " " " "

Peg 808+00 I.R

|           |        |        |        |
|-----------|--------|--------|--------|
|           | 310.69 |        |        |
| 808+78.15 |        | 5.5    | 05.2   |
| 808+58.15 |        |        |        |
| 809       |        | 4.7    | 06.0   |
| B.M. #126 |        | 5.53   | 305.16 |
| 810       |        | 5.1    | 05.3   |
| 811       |        | 5.0    | 05.7   |
| 812       |        | 6.7    | 04.0   |
| B.M.      |        | 4.99   | 305.70 |
| 813       |        | 7.3    | 03.1   |
| 814       |        | 2.9    | 07.8   |
| T.P.      |        | 1.79   | 308.90 |
|           | 12.40  | 321.30 |        |
| +70       |        | 8.6    | 12.7   |
| 815       |        | 6.9    | 14.4   |
| 816       |        | 3.4    | 17.9   |
| 817       |        | 0.2    | 21.1   |
| +04       |        | 0.3    | 21.0   |
| T.P.      |        | 0.33   | 320.97 |
|           | 2.22   | 323.19 |        |
| +38       |        | 3.0    | 20.2   |
| 818       |        | 3.5    | 19.7   |
| +14       |        | 3.6    | 19.6   |
| 819       |        | 7.1    | 16.1   |
| +40+T.P.  |        | 12.36  | 310.83 |
|           | 0.35   | 311.18 |        |

Note 20' error in chaining.

Air valve 23' L 809+65 top of center <sup>pid</sup>

Nail in tel pole 89' L 810+60

Peg 814+15 12' L

E. edge part.

" " "

W " "

Peg 819+40



311.18

|        |       |        |
|--------|-------|--------|
| 819+72 | 4.7   | 06.5   |
| 820    | 8.6   | 02.6   |
| +35    | 12.1  | 298.8  |
| T.P.   | 12.55 | 298.63 |

0.44 299.07

|      |       |        |
|------|-------|--------|
| +62  | 4.2   | 94.9   |
| 821  | 7.9   | 91.2   |
| +50  | 12.2  | 86.9   |
| B.M. | 12.93 | 286.19 |

11.5-6 287.70

|     |      |      |
|-----|------|------|
| 822 | 3.9  | 83.8 |
| 823 | 8.1  | 79.6 |
| +25 | 8.7  | 79.0 |
| +10 | 10.5 | 77.2 |
| +50 | 9.2  | 78.5 |
| +90 | 8.8  | 78.9 |

|      |      |        |
|------|------|--------|
| 824  | 10.2 | 77.5   |
| +75  | 9.9  | 77.8   |
| B.M. | 9.77 | 277.93 |

Chilton  
277.61

|     |     |      |
|-----|-----|------|
| 825 | 9.9 | 77.8 |
| +55 | 9.0 | 78.7 |
| +77 | 7.2 | 80.5 |
| 826 | 7.9 | 79.8 |
| +25 | 7.0 | 80.7 |

B.M. #121 7.96 279.74

Peg 820+37

Peg 821+60

Spike in tel. pole 60' 824+80

Air valve-top center pin 23' 826+22

|        |        |       |        |
|--------|--------|-------|--------|
|        | 287.70 |       |        |
| 826+50 |        | 9.0   | 78.7   |
| T.P.   |        | 12.80 | 274.90 |
| 0.14   | 275.04 |       |        |
| 827    |        | 4.2   | 70.8   |
| +25    |        | 8.2   | 66.8   |
| +50    |        | 12.5  | 62.5   |
| T.P.   |        | 12.95 | 262.59 |
| 1.16   | 263.75 |       |        |
| +74    |        | 5.0   | 58.8   |
| 828    |        | 11.1  | 52.7   |
| T.P.   |        | 12.50 | 251.25 |
| 0.39   | 251.64 |       |        |
| +25    |        | 3.3   | 48.3   |
| +47    |        | 5.0   | 46.6   |
| +62    |        | 9.7   | 41.9   |
| B.M.   |        | 12.55 | 239.09 |
| 0.15   | 239.24 |       |        |
| +90    |        | 9.3   | 29.9   |
| 829    |        | 11.6  | 27.6   |
| T.P.   |        | 12.86 | 226.38 |
| 0.72   | 227.10 |       |        |
| +20    |        | 4.0   | 23.1   |
| +30    |        | 4.6   | 22.5   |
| +50    |        | 6.2   | 20.9   |
| +60    |        | 8.0   | 19.1   |

Peg 826+75

Peg 827+50

Peg 828+14

Peg 829+67- 4'R

Peg 829+0.6

edge road

" "



227.10

829+88 8.8 18.3

830 10.1 17.0

+08 10.1 17.0

+11 8.1 19.0

+20 9.0 18.1

+35 8.1 18.7

+45 9.5 17.6

+75 7.7 19.4

831 9.2 17.9

+10 7.2 19.9

+65 7.1 19.7

B.M. 6.48 220.62

Chilton  
270.28

11.26 23.88

832 11.6 20.3

+77 12.2 19.7

+88 13.5 18.4

833 12.9 19.0

+12 13.0 18.9

+21 11.6 20.3

+35 11.4 20.5

+66 7.4 24.5

834 6.2 25.7

+16 4.9 27.0

+55 2.7 29.2

+64 4.0 27.9

Spike in tel. pole 831+80 60' L

|            |        |      |        |
|------------|--------|------|--------|
| 834 +70    | 231.88 | 3.7  | 28.2   |
| T.P.       |        | 0.13 | 231.75 |
| 12.19      | 244.24 |      |        |
| +80        |        | 9.0  | 35.2   |
| +90        |        | 7.2  | 37.0   |
| +97        |        | 8.1  | 36.1   |
| 835        |        | 12.4 | 31.8   |
| +04        |        | 9.5  | 34.7   |
| +55        |        | 3.1  | 41.1   |
| T.P.       |        | 1.06 | 243.18 |
| 12.53      | 255.71 |      |        |
| +74        |        | 6.0  | 49.7   |
| 836        |        | 2.0  | 53.7   |
| T.P.       |        | 0.10 | 255.61 |
| 12.85      | 268.46 |      |        |
| +26        |        | 5.7  | 62.8   |
| T.P.       |        | 0.16 | 268.30 |
| 12.29      | 280.59 |      |        |
| +58        |        | 3.9  | 276.7  |
| T.P.       |        | 0.26 | 280.33 |
| 13.02      | 293.35 |      |        |
| +80        |        | 9.6  | 83.8   |
| 837        |        | 5.9  | 87.5   |
| +24 + T.P. |        | 0.24 | 293.11 |
| 12.18      | 305.29 |      |        |

Peg 834 +72

Peg 835 +63

Peg 836 +05

Rock 836 +40

Rock 836 +70

Rock 837 +34



|            |        |      |        |
|------------|--------|------|--------|
|            | 305.29 |      |        |
| 837+38     |        | 10.3 | 95.0   |
| +47        |        | 10.2 | 95.1   |
| +60        |        | 7.7  | 97.6   |
| 838        |        | 5.4  | 99.9   |
| +15        |        | 3.3  | 302.0  |
| +25        |        | 3.3  | 02.0   |
| +42 + T.P. |        | 0.14 | 305.75 |
| 13.05      | 318.20 |      |        |
| +78        |        | 9.3  | 08.9   |
| 839        |        | 5.1  | 13.1   |
| +14        |        | 2.7  | 15.5   |
| +28        |        | 1.7  | 16.5   |
| T.P.       |        | 0.34 | 317.86 |
| 7.40       | 325.26 |      |        |
| +62        |        | 3.5  | 21.8   |
| +90        |        | 1.4  | 23.9   |
| 840        |        | 1.6  | 23.7   |
| B.M.       |        | 7.12 | 318.14 |
| B.M. #128  |        | 5.09 | 320.17 |
| +36        |        | 2.6  | 22.7   |
| +50        |        | 2.3  | 23.0   |
| 841        |        | 5.9  | 19.4   |
| +30        |        | 5.9  | 19.4   |
| +73        |        | 9.1  | 16.2   |
| 842        |        | 9.9  | 15.4   |

Chilton  
317.80

Rock 838+42

Rock 839+95

60' L 840+27 Nail in tel. pole  
Airva/re. top of center pin 23L 840+27

|           |        |        |        |
|-----------|--------|--------|--------|
|           | 325.26 |        |        |
| 8842+37   |        | 11.8   | 13.5   |
| 843       |        | 9.6    | 15.7   |
| +30       |        | 8.8    | 16.5   |
| +74       |        | 9.1    | 16.2   |
| B.M. #129 |        | 10.13  | 315.13 |
|           | 2.56   | 317.69 |        |
| 844       |        | 0.9    | 16.8   |
| +30       |        | 1.3    | 16.9   |
| +80       |        | 1.4    | 16.3   |
| 845       |        | 2.2    | 15.5   |
| +20       |        | 2.4    | 15.3   |
| +50       |        | 3.3    | 14.4   |
| +85       |        | 4.6    | 13.1   |
| 846       |        | 5.2    | 12.5   |
| +20       |        | 6.3    | 11.4   |
| +60       |        | 12.0   | 05.7   |
| T.P.      |        | 12.37  | 305.32 |
|           | 0.55   | 305.87 |        |
| +81       |        | 3.8    | 02.1   |
| 847       |        | 9.2    | 296.7  |
| +16       |        | 12.9   | 93.0   |
| +30       |        | 13.7   | 92.2   |
| +65       |        | 12.3   | 93.6   |
| +90       |        | 10.7   | 95.2   |
| 848       |        | 11.4   | 94.5   |

Air valve - top of center pin 23' 843+74



305.87

|            |      |        |        |
|------------|------|--------|--------|
| 848+10     |      | 11.4   | 94.5   |
| +25        |      | 10.6   | 95.3   |
| +50        |      | 12.7   | 93.2   |
| T.P.       |      | 12.63  | 293.29 |
|            | 0.37 | 293.61 |        |
| +75        |      | 2.8    | 90.8   |
| 849        |      | 5.3    | 88.3   |
| +15        |      | 8.1    | 85.5   |
| +30        |      | 10.4   | 83.2   |
| T.P.       |      | 13.08  | 280.53 |
|            | 1.21 | 281.74 |        |
| +50        |      | 9.5    | 77.2   |
| +80        |      | 11.5   | 70.2   |
| T.P.       |      | 12.90  | 268.84 |
|            | 0.28 | 269.12 |        |
| 850        |      | 8.3    | 60.8   |
| +16 + T.P. |      | 12.72  | 256.10 |
|            | 0.96 | 257.36 |        |
| +35        |      | 3.1    | 57.3   |
| +45        |      | 5.0    | 52.7   |
| +78        |      | 8.0    | 49.1   |
| 851        |      | 8.6    | 48.8   |
| +15        |      | 8.7    | 48.7   |
| +50        |      | 7.5    | 49.9   |
| B.M. #130  |      | 5.28   | 252.08 |

Chilton  
251.77

Rock 848+50

Rock 849+38

Rock 849+85

Peg 850+16

E Edge of road  
W " " "

Nail in Pow. pole no'R 851+80

|      |        |      |        |
|------|--------|------|--------|
|      | 257.36 |      |        |
| 852  |        | 8.6  | 78.8   |
| +16  |        | 8.6  | 78.8   |
| +30  |        | 9.5  | 97.9   |
| +39  |        | 6.4  | 57.0   |
| T.P. |        | 0.13 | 257.23 |
|      | 12.95  |      | 270.18 |
| +67  |        | 9.7  | 60.5   |
| +80  |        | 7.1  | 66.1   |
| T.P. |        | 0.09 | 270.09 |
|      | 12.61  |      | 282.70 |
| 853  |        | 10.7 | 72.0   |
| +14  |        | 7.7  | 78.0   |
| +27  |        | 3.2  | 79.6   |
| T.P. |        | 0.90 | 282.30 |
|      | 12.89  |      | 295.19 |
| +38  |        | 11.9 | 83.2   |
| +46  |        | 5.6  | 89.6   |
| T.P. |        | 0.29 | 294.90 |
|      | 12.81  |      | 307.71 |
| +70  |        | 8.1  | 99.6   |
| T.P. |        | 0.19 | 307.52 |
|      | 12.82  |      | 320.34 |
| +26  |        | 8.1  | 12.2   |
| 854  |        | 7.6  | 12.7   |
| T.P. | 12.86  | 0.18 | 320.16 |

Peg 852+54

Peg 852+85

Rock 853+36

Rock 853+60

Rock 854+34



333.02

|                       |        |        |                   |
|-----------------------|--------|--------|-------------------|
| 854+42                | 12.6   | 20.4   |                   |
| B.M.                  | 5.93   | 327.09 | Chilton<br>226.81 |
| +62                   | 8.1    | 24.6   |                   |
| +83                   | 3.6    | 29.4   |                   |
| 855                   | 2.2    | 30.8   |                   |
| T.P.                  | 0.53   | 332.19 |                   |
| 12.06                 | 374.55 |        |                   |
| +40                   | 7.9    | 36.7   |                   |
| +65                   | 6.4    | 38.2   |                   |
| +82.12                | 5.3    | 39.3   |                   |
| +92                   | 5.3    | 39.3   |                   |
| +95                   | 5.25   | 39.35  |                   |
| +98                   | 5.8    | 38.8   |                   |
| 856+33.4              | 4.5    | 40.1   |                   |
| 857                   | 4.2    | 40.3   |                   |
| +38 (2'L)             | 9.5    | 35.1   |                   |
| +38                   | 4.0    | 40.6   |                   |
| 858                   | 3.9    | 40.7   |                   |
| 859                   | 3.6    | 41.0   |                   |
| +48                   | 3.3    | 41.3   |                   |
| 860+62 (6'R. of P.I.) | 3.3    | 41.3   | 328.33.45         |
| 861+30                | 2.9    | 41.7   |                   |
| T.P.                  | 3.40   | 341.15 |                   |
| 4.55                  | 375.70 |        |                   |
| 862                   | 3.9    | 41.8   |                   |

Return to  
Sta 855+  
gbl +  
see pg 34  
27<sup>2</sup>  
708

Nail in tel. pole 60 L 857+30

Peg 855+08

Edge walk

Curb

got.

P.I.

Flow line M.H.

Top "

Top of M.H. 785 to flow line

Top E. curb app. Sta. 861+30

346.70

Contd. from P. 34. Book 272.

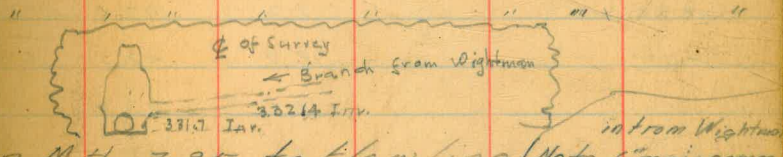
|              |      |      |        |                         |
|--------------|------|------|--------|-------------------------|
| 863          |      | 4.0  | 41.7   |                         |
| 864          |      | 4.1  | 41.6   |                         |
| +34          |      | 4.6  | 41.1   |                         |
| +47          |      | 5.0  | 40.7   |                         |
| +61.37       |      | 4.7  | 41.0   |                         |
| +105 (6'L)   |      | 4.8  | 40.9   | 29.73391.15             |
| B.M. #131    |      | 4.88 | 340.72 | Chilton<br>340.46       |
| 865          |      | 5.2  | 40.5   |                         |
| 866          |      | 6.7  | 39.0   |                         |
| +26 12'R     |      | 12.6 | 33.4   |                         |
| +26 24'L     |      | 11.4 | 34.3   |                         |
| +26          |      | 7.3  | 38.4   |                         |
| 867          |      | 6.1  | 39.3   |                         |
| +32.5 (6'L)  |      | 6.0  | 39.7   | +7.91 31.7<br>-7.3 30.4 |
| +45.5 (18'L) |      | 8.9  | 36.8   |                         |
| 868          |      | 5.7  | 40.0   |                         |
| +31.12       |      | 5.5  | 40.2   |                         |
| B.M. #132    |      | 4.87 | 340.83 |                         |
|              | 5.80 |      | 346.63 |                         |
| +40          |      | 6.2  | 40.7   |                         |
| +58          |      | 6.9  | 39.7   |                         |
| +70          |      | 6.3  | 40.3   |                         |
| +88          |      | 7.8  | 41.8   |                         |
| 869          |      | 4.9  | 41.7   |                         |
| 870          |      | 5.8  | 40.8   |                         |

Edge part.

P.I.

Top M.H. 9.75 to flow line (Junction Lantana & Euclid sewers)  
Brass plug in curb N.E cor Euclid & Lantana

Flow line 24" cor iron storm sewer & drain



Top M.H. 7.95 to flow line (Note 6" main comes  
Bot. of M.H. (Gas) 8" going east x sing

Top of curb N.W. cor Euclid & Wightman

Edge part.

WM 870106 seems to be 2" section



B.M. #132 10.32 351.15 340.83

871 9.9 41.3

+12± 9.5 41.7

872 9.1 42.1

873 5.7 45.5

+10 5.0 46.2

874 6.0 45.2

+75± 7.7 43.5

B.M. #133 5.75 345.40

875 8.5 42.7

+15 9.2 42.0

+32± 8.7 42.5

876 8.5 42.7

877 8.2 43.0

T.P. 7.90 343.25

9.63 352.88

B.M. 7.75

878 ± 9.5 43.9

+60± 8.9 44.0

879 8.1 44.8

880 5.9 47.0

881 5.4 47.5

+32± 5.5 47.9

+61 5.4 47.5

+90± 5.0 47.9

Edge part.

Edge part.

Top hydrant S.E. cor. Meader Wightman

Edge part.

Edge part.

352.88

|           |      |        |
|-----------|------|--------|
| 882       | 4.8  | 48.1   |
| B.M. #134 | 4.63 | 348.25 |
| 883       | 5.0  | 47.9   |
| 884       | 5.0  | 47.9   |
| +65=      | 5.5  | 47.4   |
| +92       | 5.7  | 47.2   |
| 885       | 5.8  | 47.1   |
| +20       | 5.5  | 47.4   |
| 886       | 4.1  | 48.8   |
| 887       | 3.2  | 49.7   |
| T.P.      | 5.98 | 347.90 |

833 355.73

|           |      |        |
|-----------|------|--------|
| B.M. #135 | 8.02 | 347.71 |
| 887+92    | 5.1  | 50.6   |
| 888       | 5.0  | 50.7   |
| +50       | 4.4  | 51.3   |
| 889       | 3.9  | 51.8   |
| 890       | 2.7  | 53.0   |
| 891       | 1.7  | 54.0   |
| +37±      | 1.3  | 54.4   |
| +87±      | 1.0  | 54.7   |
| B.M. #136 | 0.70 | 355.03 |

4.78 359.81

|     |     |      |
|-----|-----|------|
| 892 | 5.0 | 54.8 |
| 893 | 4.7 | 55.1 |

Brass plug in curb N.W. cor. Chamouné &amp; Wight

Edge part

" "

Brass plug N.W. cor. 45th &amp; Wightman

Edge part

" "

Edge part

" "

Brass plug N.W. cor. 44th &amp; Wightman



|            |        |        |              |
|------------|--------|--------|--------------|
|            | 359.81 |        |              |
| 894        |        | 4.5    | 55.3         |
| +60        |        | 4.4    | 55.4         |
| +80        |        | 4.4    | 55.4         |
| 895        |        | 4.6    | 55.2         |
| +15        |        | 4.6    | 55.2         |
| 896        |        | 4.8    | 55.0         |
| 897        |        | 5.3    | 54.5         |
| +56        |        | 6.0    | 53.8         |
| 898        |        | 6.4    | 53.4         |
| +23        |        | 6.2    | 53.6         |
| +65        |        | 6.4    | 53.4         |
| B.M. #137  |        | 5.88   | 353.93       |
|            | 5.10   | 359.03 |              |
| 899        |        | 5.6    | 53.4         |
| 900        |        | 4.6    | 54.4         |
| +18 (54L)  |        | 3.9    | 55.1 93 45.8 |
| +18 (256R) |        | 1.8    | 57.2 96-47.6 |
| 901        |        | 4.2    | 54.8         |
| +70        |        | 4.4    | 54.6         |
| 902        |        | 4.3    | 54.7         |
| 902 + 5.2  |        | 4.5    | 54.5         |
| B.M. #138  |        | 4.03   | 355.00       |
|            | 2.04   | 357.04 |              |
| 903        |        | 2.7    | 54.3         |
| 904        |        | 3.0    | 54.0         |

Edge part

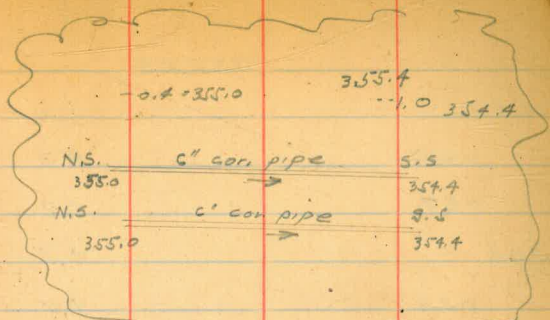
Edge part

Brass plug N.W. cor. 43rd & Wightman

Top M.H. 9.3 to flow line - 8" pipe - O.K.

" " 9.0 " " " " " " " " " " " "

Brass plug N.W. cor. Van Dyke & Wight.



|            |     |        |       |        |
|------------|-----|--------|-------|--------|
|            |     | 357.09 |       |        |
| 905        |     |        | 3.6   | 53.7   |
| +45L       |     |        | 4.3   | 52.7   |
| +88        |     |        | 4.3   | 52.7   |
| 906        |     |        | 4.7   | 52.3   |
| +28        |     |        | 4.7   | 52.3   |
| B.M. #139  |     |        | 4.15  | 352.89 |
| 907        |     |        | 5.8   | 51.2   |
| 908        |     |        | 7.2   | 49.6   |
| 909        |     |        | 9.0   | 48.0   |
| +27        |     |        | 9.6   | 47.4   |
| +60        |     |        | 9.5   | 47.5   |
| 910        |     |        | 9.8   | 47.2   |
| +05        |     |        | 9.9   | 47.1   |
| B.M. #140  |     |        | 9.59  | 347.15 |
|            | 107 | 348.49 |       |        |
| 911        |     |        | 5.0   | 43.5   |
| 912        |     |        | 8.4   | 40.1   |
| 913        |     |        | 11.9  | 36.6   |
| +07        |     |        | 12.4  | 36.1   |
|            | 807 | 343.85 | 12.71 | 335.78 |
| +14 (26±R) |     |        | 7.6   | 36.3   |
| +16 (46±R) |     |        | 9.2   | 34.7   |
| +16 (40±L) |     |        | 9.0   | 34.9   |
| +72 (2'R)  |     |        | 8.0   | 35.9   |
| +70 (46'R) |     |        | 9.5   | 34.4   |

Edge part.

Brass plug N.W. cor. 42nd + Wightman

Edge part.

Brass plug N.W. cor. Marlborough + Wight.

see page

Edge part.

Brass plug N.W. cor. 11st + Wightman

Top M.H. 13.9 to flowline - 3.6 to side drain <sup>Entrances</sup>

12" cor. iron side drain inlet - flowline

" " " " " " " "

Top M.H. 15.6 to flowline - 4.5 to side drain <sup>Entrances</sup>

12" cor. iron side drain inlet - flowline



343.85

|              |        |        |
|--------------|--------|--------|
| 913 + 85     | 7.8    | 336.1  |
| + 86 (20' L) | 9.7    | 342    |
| + 86 (32' R) | 9.1    | 348    |
| 914          | 7.5    | 367    |
| + 20 (70' L) | 26.6   | 17.3   |
| + 48         | 6.2    | 377    |
| 915          | 5.1    | 388    |
| 916          | 2.9    | 410    |
| + 86 ±       | 1.1    | 428    |
| 917          | 1.6    | 423    |
| + 25         | 0.6    | 43.8   |
| + 65 ±       | 0.6    | 43.3   |
| B.M. #141    | 0.00   | 343.85 |
| 3.74         | 347.59 |        |
| 918          | 4.1    | 343.5  |
| 919          | 4.4    | 43.2   |
| 920          | 4.9    | 42.7   |
| + 66 ±       | 5.0    | 42.6   |
| 921          | 4.8    | 42.8   |
| + 46 ±       | 4.7    | 42.9   |
| B.M. #142    | 4.20   | 343.39 |
| 0.71         | 344.10 |        |
| 922          | 1.7    | 42.4   |
| 923          | 2.7    | 41.4   |
| 924          | 3.9    | 40.2   |

Note:  
see back  
of Book  
for detail

Edge part  
12" cor. iron side drain inlet - Howline  
" " " " " " " "  
" " " " " " " "  
Howline 24" Concr. pipe outlet to open  
ditch from M.H.

Edge part.  
" "  
Brass plug N.W. cor. Central & Wight.

Edge part.  
" "  
Brass plug N.W. cor. 10th & Wight.

344.10

|              |        |                |
|--------------|--------|----------------|
| 924 +50±     | 4.5    | 39.6           |
| 925          | 5.0    | 39.1           |
| +25±         | 5.5    | 38.6           |
| 926          | 10.1   | 34.0           |
| T.P.         | 12.57  | 331.53         |
| 0.21         | 331.74 |                |
| 927          | 7.0    | 27.7           |
| 928          | 10.7   | 21.0           |
| +38 (20' L)  | 13.1   | 18.6 - 16 17.0 |
| +38 (32' R)  | 11.6   | 20.1 - 14 18.7 |
| +65 (54' R)  | 11.8   | 19.9 97.91 02  |
| +65          | 11.8   | 19.9           |
| +90 (20' L)  | 13.8   | 17.9 - 16.1    |
| +90 (32' R)  | 12.4   | 19.3 - 14 17.9 |
| +90          | 12.7   | 19.0           |
| 929          | 12.3   | 19.4           |
| +50 (60± L)  | 35.4   | 296.3          |
| +75 (70± R)  | 23.5   | 308.2          |
| 930          | 7.2    | 24.5           |
| 930 (300± L) | 46.0   | 285.7          |
| B.M. #143    | 11.80  | 319.94         |
| T.P.         | 0.15   | 331.59         |
| 12.58        | 344.17 |                |
| 931          | 13.2   | 31.0           |
| 932          | 6.1    | 38.1           |

Edge part.

" "

See back of Book for detail

Top of drop catch basin 1.6 to flowline <sup>at 12" corr. iron pipe</sup>

" " " " " " 1.4 " " "

Top M.H. 9.7 to flowline - 8" pipe. ✓

Top of drop inlet catch basin 1.8 to flowline at <sup>12" corr. pipe</sup>

" " " " " " 1.4 " " "

Flowline 24" concr. culv.

" " " " "

Flowline at M.H. in gulch - main from M.H. at <sup>928+65</sup>

Brass plug N.W. cor. 38th + Wight.



344.17

|           |      |      |        |
|-----------|------|------|--------|
| 932+05    |      | 5.7  | 338.5  |
| +85       |      | 5.3  | 38.9   |
| B.M. #144 |      | 5.12 | 339.05 |
| 933       |      | 7.8  | 339.4  |
| 934       |      | 2.7  | 41.5   |
| 935       |      | 0.4  | 43.8   |
| T.P.      |      | 0.35 | 343.82 |
|           | 8.26 |      | 352.08 |
| +841      |      | 5.8  | 46.3   |
| 936       |      | 5.7  | 46.4   |
| +691      |      | 5.7  | 46.4   |
| 937       |      | 5.7  | 46.7   |
| 938       |      | 7.8  | 47.3   |
| 939       |      | 4.1  | 47.7   |
| +661      |      | 4.2  | 47.9   |
| 940       |      | 4.1  | 48.0   |
| +45       |      | 4.7  | 47.4   |
| B.M. #145 |      | 4.13 | 347.95 |
|           | 8.30 |      | 353.25 |
| 941       |      | 5.3  | 48.0   |
| 942       |      | 4.9  | 48.4   |
| 943       |      | 4.6  | 48.7   |
| +471      |      | 4.5  | 48.8   |
| +90       |      | 4.0  | 49.3   |
| 944       |      | 4.1  | 49.2   |

Edge part

Brass plug N.W. cor. 37th + Wight

Edge part

Edge part

Brass plug N.W. cor. 36th + Wight

Edge part

353.25

|        |      |        |
|--------|------|--------|
| 944+25 | 3.8  | 349.8  |
| 945    | 3.1  | 50.2   |
| 946    | 1.7  | 51.6   |
| 947    | 0.8  | 52.5   |
| T.P.   | 0.70 | 352.55 |

1.94 354.49

|           |       |        |
|-----------|-------|--------|
| 947+25±   | 1.5   | 53.0   |
| 948+05±   | 2.0   | 52.5   |
| B.M. #146 | 1.74  | 352.75 |
| 949       | 7.0   | 47.5   |
| 950       | 11.2  | 43.3   |
| T.P.      | 12.75 | 341.74 |

0.25 341.99

|           |       |        |
|-----------|-------|--------|
| 951       | 3.8   | 38.2   |
| +04±      | 7.1   | 37.9   |
| +45       | 4.5   | 37.5   |
| +85       | 5.5   | 36.5   |
| B.M. #147 | 43.4  | 337.65 |
| 952       | 6.0   | 36.0   |
| T.P.      | 12.55 | 329.44 |

0.27 329.71

|     |      |      |
|-----|------|------|
| 953 | 1.7  | 28.0 |
| 954 | 9.0  | 20.7 |
| +15 | 9.9  | 19.8 |
| +36 | 13.1 | 16.6 |

Edge part

Edge part

Brass plug N.W. cor. 35th + Wightman

Edge part

Brass plug N.W. cor. Swift + Wight.



329.71

|          |      |        |
|----------|------|--------|
| 954 + 67 | 13.9 | 15.8   |
| 955      | 11.4 | 18.3   |
| +30      | 8.7  | 21.3   |
| 956      | 6.9  | 22.8   |
| +15      | 1.5  | 25.2   |
| 957      | 2.9  | 26.8   |
| T.P.     | 0.34 | 329.37 |

12.12 341.79

|      |      |        |
|------|------|--------|
| 958  | 11.7 | 29.8   |
| +15  | 10.1 | 31.4   |
| 959  | 8.4  | 33.1   |
| +27  | 7.3  | 34.2   |
| +18  | 6.0  | 35.5   |
| +54  | 5.9  | 35.6   |
| +66  | 5.4  | 36.1   |
| +90  | 5.3  | 36.2   |
| 960  | 4.7  | 36.8   |
| +28  | 3.4  | 38.1   |
| 961  | 0.9  | 40.6   |
| T.P. | 0.02 | 341.46 |

9.50 350.96

|           |      |        |
|-----------|------|--------|
| 962       | 7.2  | 43.8   |
| B.M. #148 | 1.32 | 349.64 |
| +39± P.I. | 6.9  | 44.1   |
| +51 (6±R) | 6.8  | 44.2   |

Edge part  
 S rail st. car trk (S. track)  
 & University  
 N rail st. car trk (N track)

Brass plug N.W. cor. 34th + University

Top M.H. 5.0 to flow line 8" pipe

550.96

|                 |       |      |        |
|-----------------|-------|------|--------|
| 963             |       | 6.9  | 44.1   |
| 964             |       | 8.1  | 42.9   |
| T.P.            |       | 9.14 | 341.82 |
|                 | 1.62  |      | 343.44 |
| 965             |       | 1.7  | 41.7   |
| + 13±           |       | 6.2  | 39.2   |
| + 13±           |       | 1.6  | 41.8   |
| + 19 (32±R)     |       | 4.3  | 39.1   |
| 966             |       | 2.8  | 40.6   |
| 967             |       | 3.8  | 39.6   |
| 968             |       | 6.1  | 37.3   |
| 969             |       | 6.1  | 37.0   |
| + 43            |       | 6.6  | 36.8   |
| + 43 (20±L)     |       | 12.9 | 30.5   |
| + 43 (30±R)     |       | 9.5  | 33.9   |
| 970             |       | 6.2  | 37.2   |
| T.P.            |       | 6.22 | 337.22 |
|                 | 3.13  |      | 340.35 |
| 970+0.5± (50±L) |       | 15.6 | 24.8   |
| + 55± 70± R     |       | 11.3 | 29.1   |
|                 | 10.46 |      | 347.68 |
| 971             |       | 6.7  | 342.0  |
| + 06            |       | 6.5  | 41.2   |
| B.M #149        |       | 4.01 | 342.67 |
| + 44±           |       | 5.8  | 41.9   |

Flow line M.H.  
 Top M.H.  
 Flow line 12" storm sewer & drain.

Concr. pipe  
 Flow line 18" storm sewer & drain.  
 " " " " " "

Flow line 1-30" & 1-36" concr. pipe culverts  
 " " " " " "

End of part.  
 Top of hydrant S.E. cor. Boundary & Lincoln



347.68

|                 |                    |        |        |       |
|-----------------|--------------------|--------|--------|-------|
| 971 +75         |                    | 6.1    | 41.6   |       |
| 972             |                    | 5.9    | 42.3   |       |
| 973             |                    | 4.6    | 43.1   |       |
| 972+80 (20'± R) |                    | 16.2   | 31.5   |       |
| 974             |                    | 3.9    | 43.8   |       |
| +45 (26' R)     |                    | 15.9   | 32.3   |       |
| 975             |                    | 3.3    | 44.1   | Note: |
| 976             |                    | 2.7    | 45.0   |       |
| T.P.            |                    | 2.63   | 345.05 | "     |
| 710             | 352.15             |        |        |       |
|                 |                    | 12.8   | 339.4  | "     |
|                 |                    | 13.9   | 38.3   |       |
| 977             |                    | 6.5    | 45.7   | "     |
| 978             |                    | 5.8    | 46.4   |       |
| +38.5           | 35' L <sup>+</sup> | 8.3    | 43.9   | "     |
| +90             | 35' L <sup>+</sup> | 9.3    | 42.9   | "     |
| 979             |                    | 5.2    | 47.0   | "     |
| +80 (50'± R)    |                    | 7.5    | 44.7   |       |
| 980             |                    | 1.9    | 50.3   |       |
| T.P.            |                    | 0.23   | 351.92 |       |
|                 | 12.03              | 363.95 |        |       |
| 981             |                    | 9.9    | 54.1   |       |
| 982             |                    | 6.5    | 57.5   |       |
| +35±            |                    | 4.6    | 59.4   |       |
| B.M. #150       |                    | 3.66   | 360.29 |       |

Howline 48" concr. pipe culv.  
 Howline storm sewer. probably empties into above culvert  
 see back of Book for detail

Howline <sup>concr. pipe</sup> 18" storm sewer at S.E. cor Bancroft, + Polk  
 " " " " " N.E. " "  
 " 18" " " " S.W. cor. " ✓  
 " 36" " " " N.W. " " ✓

Probably to 48" storm sewer

Howline 10" concr. pipe culv. ✓

Begin at part  
 S curb return Orange + Boundary

|           |        |       |                 |
|-----------|--------|-------|-----------------|
|           | 363.95 |       |                 |
| 982+96    |        | 6.4   | 57.6            |
| +96       |        | 3.0   | 61.0            |
| 983       |        | 3.3   | 60.7            |
| T.P.      |        | 0.29  | 363.66          |
| 8.53      | 372.19 |       |                 |
| 984       |        | 8.3   | 63.9            |
| 985       |        | 5.2   | 67.0            |
| +64       |        | 3.6   | 68.6            |
| +89       |        | 4.2   | 68.0            |
| 986+03    |        | 3.8   | 68.4            |
| B.M. #151 |        | 2.36  | 369.83          |
| 987       |        | 6.6   | 65.6            |
| +52 (6'R) |        | 7.9   | 64.3 -16.7 47.6 |
| 988       |        | 9.5   | 62.7            |
| 989       |        | 11.8  | 60.4            |
| +12       |        | 11.9  | 60.3            |
| +40       |        | 12.2  | 60.0            |
| +68       |        | 13.2  | 59.0            |
| T.P.      |        | 12.58 | 359.81          |
| 7.95      | 364.76 |       |                 |
| 990       |        | 5.2   | 59.6            |
| 991       |        | 4.7   | 60.1            |
| +34 (6'R) |        | 4.6   | 60.2 -9. 51.0   |
| 992       |        | 4.3   | 60.5            |
| 993       |        | 3.6   | 61.2            |

Bot. of Gas M.H.

Top " "

End of part.

Top of hydrant S.W. cor. <sup>Howard</sup> Boundary.

Top of M.H. 16.7 to flowline.

Begin. of part.

Top M.H. 90 to flowline. 4" pipe from So.



|             |        |      |              |
|-------------|--------|------|--------------|
|             | 364.76 |      |              |
| B.M. #152   |        | 3.19 | 361.27       |
| 7.52        | 368.79 |      |              |
| 994         |        | 6.9  | 61.9         |
| 995         |        | 5.9  | 62.9         |
| +13.5 (6'R) |        | 5.8  | 63.0 -LS 545 |
| 996         |        | 4.9  | 63.9         |
| +63         |        | 4.4  | 67.4         |
| +77         |        | 4.7  | 64.1         |
| 997         |        | 4.0  | 64.8         |
| +28         |        | 4.3  | 69.5         |
| +42         |        | 3.8  | 65.0         |
| 998         |        | 3.1  | 65.4         |
| 999         |        | 2.6  | 66.2         |
| 1000        |        | 1.9  | 66.9         |
| B.M. #153   |        | 1.88 | 367.31       |
| 7.76        | 375.07 |      |              |
| +87.32      |        | 7.5  | 67.6         |
| +92.2       |        | 7.5  | 67.6         |
| 1001        |        | 7.5  | 67.6         |
| 1002        |        | 6.8  | 68.3         |
| +76         |        | 12.6 | 62.5         |
| +76         |        | 6.1  | 69.0         |
| 1003        |        | 6.0  | 69.1         |
| 1004        |        | 5.1  | 70.0         |
| 1005        |        | 4.3  | 70.8         |
| B.M. #154   |        | 2.36 | 372.71       |

Brass plug S.E. cor. Howard + Illinois

Top M.H. 6.5 to Howline

S. curb return 30th + Howard

E rail trk

W " "

Howline M.H.

Top M.H.

Top of hydrant S.E. cor. Kansas + Howard

|           |        |       |        |
|-----------|--------|-------|--------|
|           | 375.07 |       |        |
| 1006      |        | 3.8   | 71.6   |
| +52       |        | 3.0   | 72.1   |
| 1007      |        | 2.6   | 72.5   |
| 1008      |        | 1.6   | 73.5   |
| T.P.      |        | 0.85  | 374.22 |
|           | 4.35   |       | 378.57 |
| 1009      |        | 4.3   | 77.3   |
| 1010      |        | 4.7   | 73.9   |
| 1011      |        | 5.1   | 73.5   |
| +83       |        | 5.3   | 73.3   |
| 1012      |        | 5.7   | 72.9   |
| +15       |        | 5.9   | 73.2   |
| +40.3     |        | 5.9   | 72.7   |
| +40.3     |        | 5.3   | 73.3   |
| +68       |        | 4.1   | 74.5   |
| B.M. #155 |        | 5.25  | 373.32 |
| 1012+83   |        | 3.9   | 75.2   |
| T.P.      |        | 2.56  | 376.01 |
|           | 4.34   |       | 380.35 |
| 1013      |        | 4.7   | 75.7   |
| +72.68    |        | 4.8   | 75.6   |
| +75 (10R) |        | 5.2   | 75.2   |
| +75 (10R) |        | +15.5 | 95.9   |

Butter

curb

Brass plug S.E. cor. Idaho + Howard  
Ground elev. over 30" riveted steel pipe.

End of Line

Concr. foundation for tanks.

Inlet elev. at Hume

Note for further information see  
previous notes.





|        |      |        |
|--------|------|--------|
| B.M.   |      | 331.79 |
|        | 1.79 | 333.58 |
| 746+00 | 6.2  | 27.4   |
| +25    | 5.6  | 28.0   |
| +50    | 4.9  | 28.7   |
| +75    | 5.2  | 28.4   |
| +95    | 5.3  | 28.3   |
| 747+00 | 3.5  | 30.1   |
| +05    | 2.8  | 30.8   |
| +30    | 2.6  | 31.0   |

Air Valve RT of Sta 746+92

Edge of New Road

" " " "

Center of New Road

Edge " " " "

" " " "

Peg at Sta 747+72

Edge of New Road

|        |      |        |
|--------|------|--------|
| T.P.   |      | 323.76 |
|        | 0.82 | 324.58 |
| T.P.   |      | 311.67 |
|        | 0.59 | 312.26 |
| 748+00 | +1.2 | 313.5  |
| +23    | 9.3  | 303.0  |
| +27    | 13.8 | 298.5  |
| +39    | 13.6 | 298.7  |
| +62    | 18.2 | 286.1  |
| +73    |      | 280.3  |



|           |      |        |        |                      |
|-----------|------|--------|--------|----------------------|
| B.M.      |      |        | 334.48 |                      |
|           | 0.62 | 335.10 |        |                      |
| City B.M. |      |        | 3.11   | 331.99 (MKd. 331.98) |
| T.P.      |      |        | 12.85  | 322.25               |
|           | 0.40 | 322.65 |        |                      |
|           |      |        | 12.37  | 310.28               |
|           | 0.61 | 310.89 |        |                      |
|           |      |        | 13.01  | 297.88               |
|           | 0.45 | 298.33 |        |                      |
|           |      |        | 13.03  | 285.30               |
|           | 0.47 | 285.77 |        |                      |
|           |      |        | 10.71  | 275.06               |
|           | 1.00 | 276.06 |        |                      |
| City B.M. |      |        | 4.20   | 271.86               |

|           |       |        |        |                       |
|-----------|-------|--------|--------|-----------------------|
| B.M.      |       |        | 213.59 | 13.59<br>212.80<br>79 |
|           | 10.49 | 224.08 |        |                       |
| City B.M. |       |        | 3.29   | 220.79                |
|           |       |        |        | 220.56<br>23          |

|           |       |        |        |                      |
|-----------|-------|--------|--------|----------------------|
| B.M.      |       |        | 330.29 |                      |
|           | 12.96 | 343.25 |        |                      |
|           |       |        | 10.06  | 333.19               |
|           | 11.89 | 345.08 |        |                      |
| City B.M. |       |        | 0.38   | 344.70 (MKd. 344.48) |

Top Fire Hydrant S.W. Cor. 63rd + Bach. 703+50

Nail in Power Pole S.W. Cor. 63rd + Bach. 337.73 (?)  
331.73

2 nails in Power Pole S.W. Cor. Brooklyn + 63rd. 271.82

Nail in Power Pole 200' L. 679+00 65th + Aikens.

R.R. Spike in Pole S.W. Cor. 66th + Aikens.

Nail in Power Pole 25' L. 671+70. 344.48

Nail in Power Pole S.W. Cor. Madrone + Montana.  
Sta 670+35

T.P.

354.08

4.46 358.54

City (B.M.)

4.29

354.25

(Mkd.  
354.13)

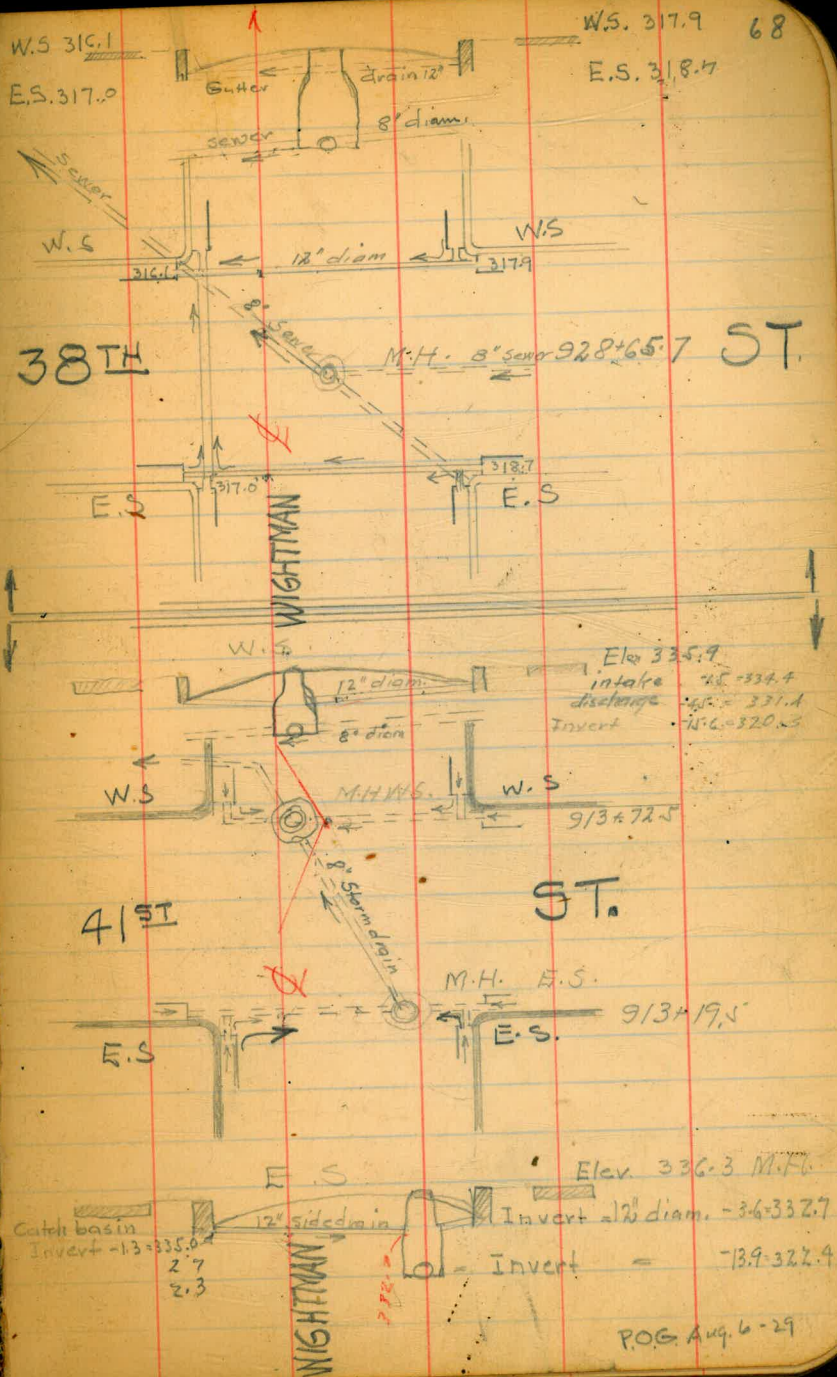
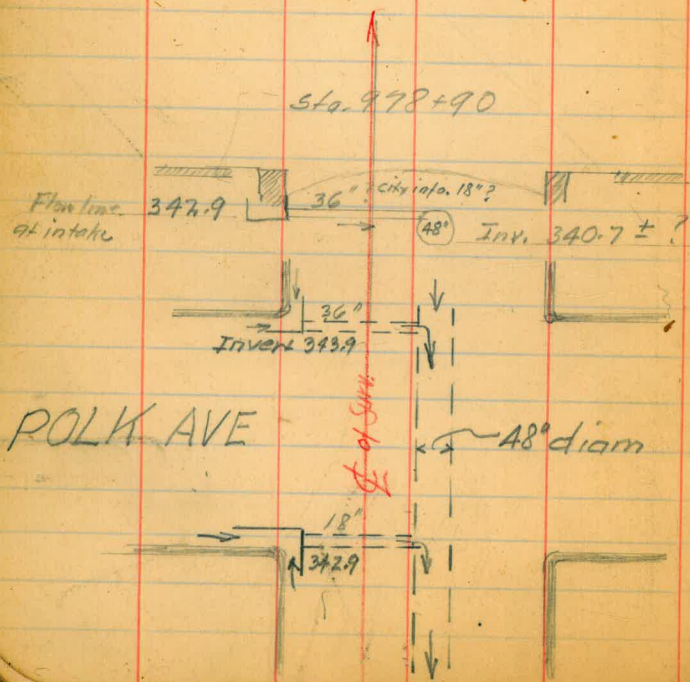
Sta. 657+88

3 nails in Tel. Pole. N.E. Cor. Woodman + Boston.



from Page

Detail to Sta. 928+65.5  
 " " " 913+19.5  
 " " " 978+90



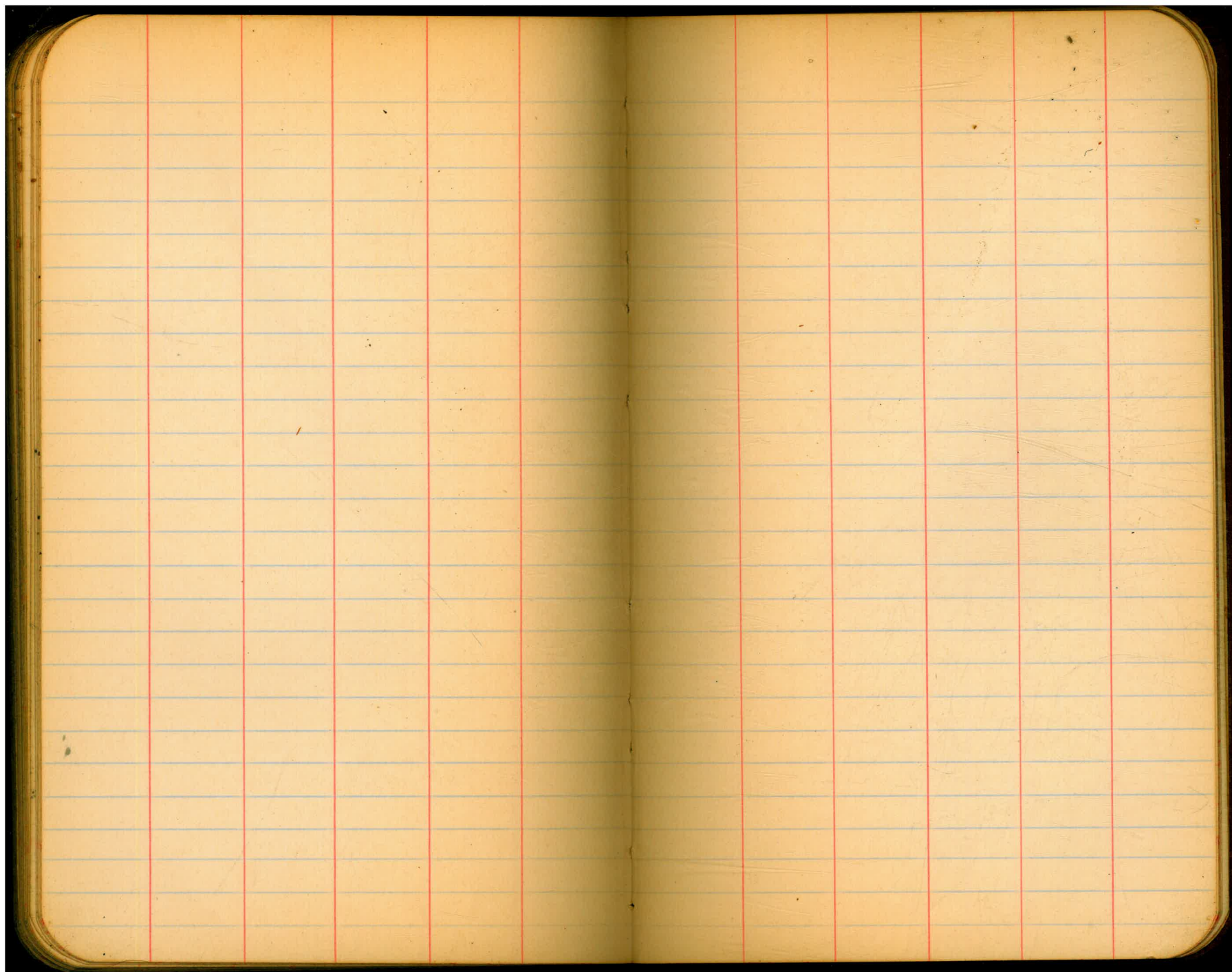












|                    |       |        |       |        |  |
|--------------------|-------|--------|-------|--------|--|
| B.M.               | 139   | 339.04 |       | 337.65 |  |
| 953                |       |        | 11.0  | 28.0   |  |
|                    |       |        | 12.53 | 326.51 |  |
|                    | 285   | 329.36 |       |        |  |
| 953+353 (C.R)      |       |        | 10.2  | 319.4  | to line<br>to sewer part 61<br>flowline MH           |
| 954+74.3 (7'L) Top |       |        | 13.4  | 316.0  | 5.9 to flowline<br>line crosses<br>pipe line at 75.4 |
|                    |       |        | 0.01  | 329.35 |  |
|                    | 12.38 | 341.73 |       |        |  |
|                    |       |        | 0.29  | 341.44 |  |
| 961                |       |        | 1.2   | 340.5  |  |

$$\begin{array}{r} 316 \\ 5.9 \\ \hline 310.1 \end{array}$$



Solar Observations 5/28/29

Time 8-56 1/2 AM Sta. 630+370  
 2 } Hor. L 110°-09' R. from Sta. ahead.  
 Vert. L +51°-28'-30"

Time 8-59 1/2 "11  
 2 } Hor. L 111°-26'-30" R.  
 Vert. L +51°-30"  
 12 } Time 9-36  
 Hor. L 118°-20 1/2  
 Vert. L 58°-55"

Time 9-02  
 3 } Hor. L 112°-01'-30" R \*7  
 Vert. L +52°-35"  
 C.C. N 14-33-15 W C.C. N 14-37 1/2 W

Time 9-03 1/2  
 4 } Hor. L 112°-09'-15" \*8  
 Vert. L 52°-22 1/2  
 Time 9-24  
 Hor. L 115°-57 1/2  
 Vert. L 56°-35"

Time 9-05 1/2  
 5 } Hor. L 111°-37'-45" \*9  
 Vert. L 53°-20 1/2  
 Time 9-27  
 Hor. L 115°-33 1/2  
 Vert. L 57°-41 1/2  
 C.C. N 14-39-30 W

Time 9-16  
 6 } Hor. L 114°-34 1/2 \*10  
 Vert. L 55°-11  
 Time 9-30  
 Hor. L 117°-15 1/2  
 Vert. L 57°-53 1/2

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

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

IMPROVED TABLES  
 AND  
 INFORMATION

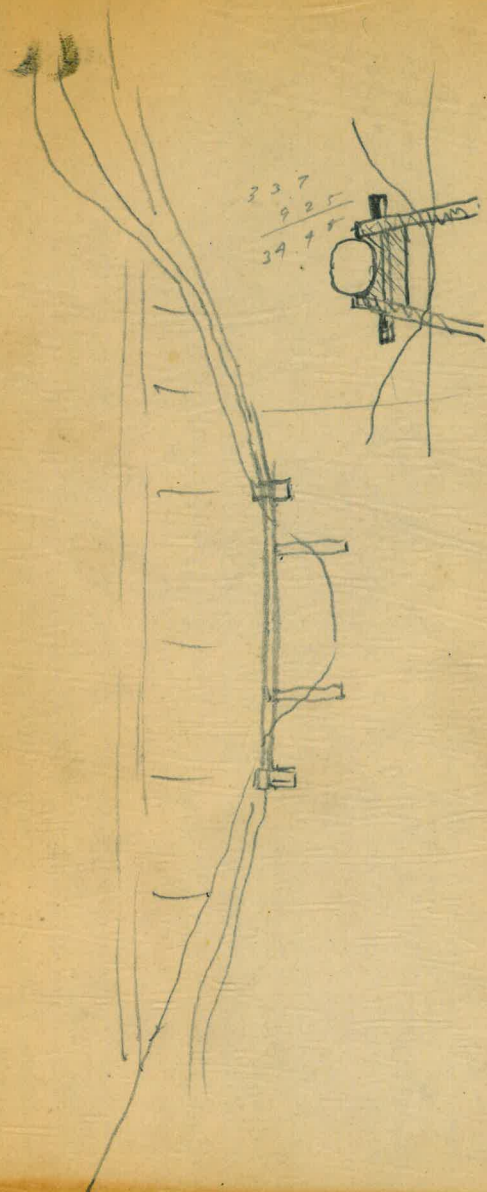
TABLE No. 2.

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.





51



337  
925  
397



additional levels

Sta 850+00 to 1013+00



B.M.

6.35 370.82

364.47

9.97 362.85

B.M.

3.40 367.87

364.47

11.10 356.77

B.M.

9.93 329.63

319.70

8.10 321.53

B.M.

6.22 353.59

347.37

10.05 343.54

B.M.

3.21 351.14

347.93

10.65 340.49

4.44 346.70

B.M.

4.62 352.55

347.93

4.88 347.67

B.M.

11.20 330.90

319.70

2.0 328.9

Ⓜ Br. Plug S.E. Cor Howard & Ohio Sts.

Top 6" Sewer Pipe Manhole on Howard St. Bet. 30th & Kansas

Plug S.E. Cor Howard & Ohio Sts.

Top 6" Sewer Pipe Manhole on Howard St. Bet. Ohio + Illinois Sts.

N.W. Cor. Wightman + 38th.

Top 8" Sewer pipe 60' South of Wightman on E. of alley between 37th & 38th, street grade about 0.5 lower.

Ⓜ

N.W. Cor. 45th & Wightman

Top 8" sewer pipe 275' N. of Wightman between 45th + Highland

N.W. Cor. Chamaune & Wightman

Top 8" sewer pipe 60' N. of Wightman between Chamaune + 46th

Surface of Wightman and Alley " " "

N.W. Cor. Chamaune & Wightman

Road surface E. of Wightman & Alley Bet. Chamaune & 45th

Road surface E. of Wightman & Alley Bet. 45th & Highland

N.W. Cor. Wightman + 38th

Rd. Surface E. of Wightman & Alley Between 38th & 37th.



