

from Point of Division at Hudson Ave, lot 4th & 5th Str, (Murphy)

B.M.

| | | |
|-----------------|------------|--|
| | 4294.501 | |
| + 2.60 | 4297.101 ✓ | |
| 4.59 | | |
| 5.89 | 4291.71 | |
| 6.60 | 4290.50 | |
| 6.82 | 4290.28 | |
| 7.10 | 4290.00 | |
| 8.80 | 4290.30 | |
| 7.00 | 4290.10 | |
| 7.20 | 4289.90 | |
| 7.50 | 4289.60 | |

on top of Fred Johnson Iron post N.E. cor 4th
H.I.
7000 on concrete floor at division point

B.M.

| | | |
|-------------|------------|-------|
| | 4294.501 ✓ | |
| + 1.52 | 4296.021 ✓ | |
| 6.36 | 4289.66 | 4+35 |
| 6.30 | 4289.72 | 5+00 |
| 6.61 | 4289.41 | 6+00 |
| 4.82 | 4291.20 | 6+60 |
| 6.72 | 4289.30 | 7+00 |
| - 4.10 | 4291.921 ✓ | 7+50 |
| + 2.61 | 4294.531 ✓ | |
| 3.51 | 4291.02 | 7+60 |
| 5.50 | 4289.03 | 8+00 |
| 5.55 | 4288.98 | 9+00 |
| 5.80 | 4288.73 | 10+00 |
| 5.90 | 4288.63 | 11+00 |
| - 4.96 | 4289.571 ✓ | |
| + 4.07 | 4293.641 ✓ | |
| 4.98 | 4288.66 | 12+00 |
| 5.65 | 4287.99 | 13+00 |
| 5.62 | 4288.02 | 13+12 |
| 5.55 | 4288.09 | 14+00 |
| 5.66 | 4287.98 | 15+00 |
| 5.86 | 4287.78 | 16+00 |
| - 4.09 | 4289.551 ✓ | |
| + 2.96 | 4292.511 ✓ | |
| 4.83 | 4287.68 | 17+00 |
| 5.04 | 4287.77 | 18+00 |
| 5.18 | 4287.33 | 19+00 |
| 5.59 | 4286.92 | 19+30 |
| B.M. - 2.98 | 4289.531 | |

on top of iron gal fence post
H.I.
in Jenkins old gate in bottom of ditch 1903.
in bottom of ditch
" " at turn across Hudson Av. 1.5 ft
on top of S. end of Jenkins bridge W. side Hudson Av.
in bottom of ditch
on top of cross-piece Jenkins head gate 2.5 ft from bottom
H.I.
on S. end of Jenkins bridge 1.5 above bottom
in bottom of ditch
" " " "
" " " "
" " " "
on top of stake 11+00.
H.I.
in bottom on top of Teyton X piece 4" above water
floor is concrete gate across canal
bottom of canal
" " "
on bridge
H.I.
bottom ditch
" "
" "
" "
water level in siphon at standing water
on top of W. end concrete wall S. side 3rd st.

| Sta | Grade ft | Bottom ft | |
|------|----------|-----------|-------|
| 0 | 4291.21 | 4291.21 | 0.0 |
| 1 | 90.93 | 90.28 | -0.7 |
| 2 | 90.76 | 90.00 | -0.76 |
| 3 | 90.54 | 90.20 | -0.34 |
| 3+70 | 90.34 | 90.10 | -0.24 |
| 4 | 90.32 | 89.90 | -0.42 |
| +28 | 90.26 | 89.60 | -0.66 |
| +25 | 90.24 | 89.66 | -0.58 |
| 5 | 90.10 | 89.72 | -0.38 |
| 6 | 89.97 | 89.91 | -0.26 |
| +60 | 89.74 | 89.70 | -0.04 |
| 7 | 89.65 | 89.30 | -0.35 |
| +80 | 89.54 | 89.32 | -0.12 |
| +60 | 89.52 | 89.54 | +0.02 |
| 8 | 89.43 | 89.03 | -0.40 |
| 9 | 89.21 | 88.98 | -0.23 |
| 10 | 89.99 | 88.73 | -0.26 |
| 11 | 88.76 | 88.63 | -0.13 |
| 12 | 88.54 | 88.66 | +0.12 |
| 13 | 88.32 | 87.99 | -0.33 |
| +12 | 88.29 | 88.02 | -0.27 |
| 14 | 88.10 | 88.09 | -0.01 |
| 15 | 87.87 | 87.98 | +0.11 |
| 16 | 87.65 | 87.78 | +0.13 |
| 17 | 87.43 | 87.67 | +0.25 |
| 18 | 87.21 | 87.47 | +0.26 |
| 19 | 86.99 | 87.33 | +0.34 |
| +30. | 86.92 | 86.92 | 0.0 |

Rate of grade in bottom = 0.1855 per ft
Total fall from bottom of drop = 3.58 ft.
Rate from floor of division point = 0.2222
Total fall = 19.29 ft. 0 = 4291.21

Ratio 0.186

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