

WATER MAIN BREAK/ JOINT LEAK REPORT - APRIL 2023

YEARLY WATER MAIN BREAK COMPARISON

| MONTH 22 | MONTH 23 | YTD 22 | YTD 23 |
|----------|----------|--------|--------|
| 6 | 5 | 66 | 26 |

| LOCATION | BREAK DATE | WORK ORDER | TYPE OF PIPE | SIZE | YEAR | BREAK | ESTIMATED DURATION | ESTIMATED WATER LOSS IN GALLONS | DOLLAR VALUE OF WATER REVENUE LOSS** | TOTAL DOLLAR VALUE FOR BREAK* <small>(Water Costs + Repair Costs)</small> |
|---|------------|------------|--------------|------|------|-------------|--------------------|---------------------------------|--------------------------------------|--|
| 3401 E. Edgemere Dr. | 4/4/2023 | 309269 | CIP | 8" | 1964 | 1/16" Crack | 7 Hours | 125,000 | \$760.00 | \$9,760.00 |
| NOTES: The break was found due to a call in when water was surfacing. The duration was calculated by the time the break was called in. | | | | | | | | | | |
| 201 S. Matthias St. | 4/11/2023 | 309269 | CIP | 8" | 1963 | 1/32" Crack | 55 days | 10,028,475 | \$60,973.13 | \$69,973.13 |
| NOTES: The break was found while correlating. The duration was calculated by the last known hydrant test date. | | | | | | | | | | |
| 1115 E. Sunset Av. | 4/26/2023 | 309269 | DIP | 8" | 1974 | 3" Hole | 6 Hours | 609,900 | \$3,708.19 | \$12,708.19 |
| NOTES: The break was found due to water running on the road. The duration was calculated by the time of the call in and the soil saturation. | | | | | | | | | | |
| 3609 E. Crestview Dr. | 4/27/2023 | 309269 | CIP | 8" | 1966 | 8" Split | 70 Days | 4,229,613 | \$25,716.05 | \$34,716.05 |
| NOTES: The break was found while correlating and testing hydrants. The duration was calculated by the area saturation and the last time hydrants were tested. | | | | | | | | | | |

**Water Loss is calculated at the residential rate of \$6.08 per 1000 gallons.

| LOCATION | BREAK DATE | WORK ORDER | TYPE OF PIPE | SIZE | YEAR | BREAK | ESTIMATED DURATION | ESTIMATED WATER LOSS IN GALLONS | DOLLAR VALUE OF WATER REVENUE LOSS** | TOTAL DOLLAR VALUE FOR BREAK* (Water Costs + Repair Costs) |
|----------------------|------------|------------|--------------|------|------|---------|--------------------|---------------------------------|--------------------------------------|---|
| 940 E. Windfield Pl. | 4/30/2023 | 309269 | DIP | 8" | 1977 | 4" Hole | 4 Hours | 710,183 | \$4,317.91 | \$13,317.91 |

NOTES: The break was found due to water bubbling. The duration was calculated by the time of the call and the soil saturation.

Total Cost = \$140,475.28

*In addition to the dollar value of water revenue lost, there is an average cost of \$9,000 to repair each water main break (including final restoration) and an average cost of \$630 to produce the lost water for each main break.

**Water Loss is calculated at the residential rate of \$6.08 per 1000 gallons.