

**Mason Point Lot 2**

|                        |              |                 |                    |               |                  |                       |                       |                    |                  |
|------------------------|--------------|-----------------|--------------------|---------------|------------------|-----------------------|-----------------------|--------------------|------------------|
| <b>Bench Mark</b>      | is = 100.00  |                 | Location of BM EIP |               |                  |                       | <b>Elevation Head</b> | 5.40               |                  |
| <b>Pump tank elev.</b> | 5.5          | 94.50           | <b>Pump elev.</b>  | 89.10         |                  | <b>Manifold elev.</b> | 97.20                 |                    |                  |
| <b>line</b>            | <b>color</b> | <b>rod read</b> | <b>Elevation</b>   | <b>length</b> | <b>hole size</b> | <b>flow/tap</b>       | <b>gal/day</b>        | <b>trench area</b> | <b>LINE LTAR</b> |
| 5                      | Red          | 3.80            | 96.20              | 100           | 1/2in SCH 40     | 7.11                  | 124.97                | 300                | 0.4166           |
| 6                      | Yellow       | 4.30            | 95.70              | 127           | 3/4in SCH 80     | 10.1                  | 177.52                | 381                | 0.4659           |
| 7                      | Purple       | 4.70            | 95.30              | 130           | 3/4in SCH 80     | 10.1                  | 177.52                | 390                | 0.4552           |

|              |               |            |                    |              |                            |               |
|--------------|---------------|------------|--------------------|--------------|----------------------------|---------------|
| <b>total</b> | <b>feet =</b> | <b>357</b> | <b>gal/min =</b>   | <b>27.31</b> | <b>LTAR =</b>              | <b>0.3500</b> |
|              |               |            |                    |              | <b>LTAR + %5</b>           | <b>0.3675</b> |
|              |               |            | <b>Des. Flow</b>   | <b>480</b>   | <b>(ltar W/ INOV)</b>      | <b>0.4667</b> |
|              |               |            | <b>Pump Run=</b>   | <b>17.58</b> | <b>(ltar W/ INOV + 5%)</b> | <b>0.4900</b> |
|              |               |            | <b>Tank Gal/IN</b> | <b>19.65</b> |                            |               |

**Mason Point Lot 2  
Repair**

|                        |              |                 |                    |               |                  |                       |                       |                    |                  |
|------------------------|--------------|-----------------|--------------------|---------------|------------------|-----------------------|-----------------------|--------------------|------------------|
| <b>Bench Mark</b>      | is = 100.00  |                 | Location of BM EIP |               |                  |                       | <b>Elevation Head</b> | 9.5                |                  |
| <b>Pump tank elev.</b> | 5.5          | 94.5            | <b>Pump elev.</b>  | 89.5          |                  | <b>Manifold elev.</b> | 99                    |                    |                  |
| <b>line</b>            | <b>color</b> | <b>rod read</b> | <b>Elevation</b>   | <b>length</b> | <b>hole size</b> | <b>flow/tap</b>       | <b>gal/day</b>        | <b>trench area</b> | <b>LINE LTAR</b> |
| 1                      | Red          | 2.00            | 98.00              | 50            | 1/2in SCH 80     | 5.48                  | 61.20                 | 150                | 0.4080           |
| 2                      | Blue         | 2.30            | 97.70              | 100           | 1/2in SCH 40     | 12.5                  | 139.60                | 300                | 0.4653           |
| 3                      | Purple       | 2.90            | 97.10              | 100           | 3/4in SCH 40     | 12.5                  | 139.60                | 300                | 0.4653           |
| 4                      | Orange       | 3.40            | 96.60              | 100           | 3/4in SCH 40     | 12.5                  | 139.60                | 300                | 0.4653           |

|              |               |            |                    |              |                            |               |
|--------------|---------------|------------|--------------------|--------------|----------------------------|---------------|
| <b>total</b> | <b>feet =</b> | <b>350</b> | <b>gal/min =</b>   | <b>42.98</b> | <b>LTAR =</b>              | <b>0.35</b>   |
|              |               |            |                    |              | <b>LTAR + %5</b>           | <b>0.3675</b> |
|              |               |            | <b>Des. Flow</b>   | <b>480</b>   | <b>(ltar W/ INOV)</b>      | <b>0.4667</b> |
|              |               |            | <b>Pump Run=</b>   | <b>11.17</b> | <b>(ltar W/ INOV + 5%)</b> | <b>0.4900</b> |
|              |               |            | <b>Tank Gal/IN</b> | <b>19.65</b> |                            |               |