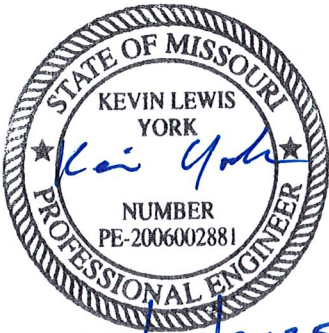


Evren Apartments With Fire Flow At Maximum Day Demand

| | | ID | Base Demand (gpm) | Base Pressure (psi) | Fire Demand (gpm) | Combined Demand (gpm) | Residual Pressure (psi) |
|---|--------------------------|------|----------------------|------------------------|----------------------|--------------------------|----------------------------|
| 1 | <input type="checkbox"/> | 2374 | 0.00 | 78.98 | 0.00 | 0.00 | 71.44 |
| 2 | <input type="checkbox"/> | 6254 | 0.00 | 89.61 | 0.00 | 0.00 | 84.33 |
| 3 | <input type="checkbox"/> | 6255 | 86.60 | 86.43 | 1,139.10 | 1,225.70 | 79.13 |
| 4 | <input type="checkbox"/> | 6256 | 103.47 | 79.85 | 1,360.90 | 1,464.37 | 72.24 |



04/04/2025

Evren Apartments With No Fire Flow At Peak Hour Demand

| | | ID | Base Demand (gpm) | Base Pressure (psi) | Fire Demand (gpm) | Combined Demand (gpm) | Residual Pressure (psi) |
|---|--------------------------|------|----------------------|------------------------|----------------------|--------------------------|----------------------------|
| 1 | <input type="checkbox"/> | 2374 | 0.00 | 59.85 | 0.00 | 0.00 | 59.85 |
| 2 | <input type="checkbox"/> | 6254 | 0.00 | 71.03 | 0.00 | 0.00 | 71.03 |
| 3 | <input type="checkbox"/> | 6255 | 173.20 | 67.50 | 0.00 | 173.20 | 67.50 |
| 4 | <input type="checkbox"/> | 6256 | 206.94 | 60.72 | 0.00 | 206.94 | 60.72 |

| | | | | | | | | |
|--|--|--------|--|--|--|--|--|--|
| Water Demand and Fire Flow Requirements | | | | | | | | |
| | | | | | | | | |
| Water Demand | | 190.1 | gpm Maximum Day Demand for 358 apartment units | | | | | |
| | | 380.2 | gpm Peak Hour Demand for 358 apartment units | | | | | |
| | | | | | | | | |
| Average day demand (gpm) based on 2.78 people/dwelling unit with 125 gallons/person ÷ 1440 | | | | | | | | |
| Maximum day water demand (gpm) = 2.2 X average day demand | | | | | | | | |
| Peak hour demand = 2 X maximum day demand | | | | | | | | |
| | | | | | | | | |
| Fire Flow | | 2500.0 | gpm | | | | | |
| | | | | | | | | |
| Water demand and fire flow are divided between the following nodes: | | | | | | | | |
| | | | | | | | | |
| Node 6256 | | 103.5 | gpm Max Day Demand | | | | | |
| | | 207.0 | gpm Peak Hour Demand for 25 houses | | | | | |
| | | 1360.9 | gpm Fire Flow | | | | | |
| | | | | | | | | |
| Node 6255 | | 86.6 | gpm Max Day Demand | | | | | |
| | | 173.2 | gpm Peak Hour Demand for 25 houses | | | | | |
| | | 1139.1 | gpm Fire Flow | | | | | |
| | | | | | | | | |

