

Whispering Woods 3rd Plat With Fire Flow At Maximum Day Demand

		ID	Static Demand (gpm)	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)
1	☐	6203	0.00	102.20	1,203.85	1,000.00	99.26
2	☐	6318	0.00	99.80	1,203.85	1,000.00	96.03
3	☐	6319	0.00	100.76	1,203.85	1,000.00	97.30
4	☐	6320	6.37	102.20	1,203.85	1,000.00	94.47
5	☐	6321	0.00	102.20	1,203.85	1,000.00	98.85
6	☐	6322	9.02	100.03	1,203.85	1,000.00	95.98



06/17/2025

Whispering Woods 3rd Plat With No Fire Flow At Peak Hour Demand

		ID	Static Demand (gpm)	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)
1	☐	6203	0.00	95.67	1,188.79	0.00	95.67
2	☐	6318	0.00	93.27	1,188.79	0.00	93.27
3	☐	6319	0.00	94.23	1,188.79	0.00	94.23
4	☐	6320	12.74	95.67	1,188.78	0.00	95.67
5	☐	6321	0.00	95.67	1,188.79	0.00	95.67
6	☐	6322	18.05	93.50	1,188.79	0.00	93.50

Water Demand and Fire Flow Requirements							
Node 6320		6.4	gpm Max Day Demand for 12 houses				
		12.7	gpm Peak Hour Demand for 12 houses				
Node 6322		9.0	gpm Max Day Demand for 17 houses				
		18.1	gpm Peak Hour Demand for 17 houses				
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							
All nodes		1000.0	gpm for fire flow				

