

Orchard Woods 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	☐ 4077	30.62	61.65	1,105.28	1,000.00	60.33
2	☐ 9477	0.00	63.20	1,106.87	1,000.00	63.16
3	☐ 9478	0.00	59.16	1,106.54	1,000.00	57.46
4	☐ 9479	0.00	58.30	1,106.54	1,000.00	55.72
5	☐ 9480	0.00	61.24	1,106.34	1,000.00	59.05
6	☐ 9481	0.00	64.27	1,106.34	1,000.00	61.13
7	☐ 9482	17.20	71.07	1,106.03	1,000.00	68.55
8	☐ 9483	0.00	69.34	1,106.03	1,000.00	64.13



02/01/2023

Orchard Woods 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	☐	4077	61.24	59.13	1,099.47	0.00	59.13
2	☐	9477	0.00	63.01	1,106.41	0.00	63.01
3	☐	9478	0.00	58.50	1,105.01	0.00	58.50
4	☐	9479	0.00	57.63	1,105.01	0.00	57.63
5	☐	9480	0.00	60.28	1,104.11	0.00	60.28
6	☐	9481	0.00	63.31	1,104.11	0.00	63.31
7	☐	9482	34.40	69.66	1,102.78	0.00	69.66
8	☐	9483	0.00	67.93	1,102.78	0.00	67.93

Water Demand						
Node 4077		30.62	gpm Max Day Demand from the existing water system			
		61.24	gpm Peak Hour Demand from the existing water system			
Node 9482		17.2	gpm Max Day Demand for 34 houses			
		34.4	gpm Peak Hour Demand for 34 houses			

