

Eagle Creek Villas First 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	☐	6147	0.00	101.11	1,202.34	1,000.00	97.29
2	☐	6148	26.35	86.45	1,202.51	1,000.00	82.79
3	☐	6149	0.00	87.24	1,202.35	1,000.00	83.26
4	☐	6150	0.00	89.87	1,202.40	1,000.00	85.85
5	☐	6151	0.00	85.95	1,202.35	1,000.00	81.88
6	☐	6152	0.00	85.09	1,202.38	1,000.00	80.76
7	☐	6153	0.00	86.39	1,202.38	1,000.00	82.25
8	☐	832	7.40	93.84	1,202.58	1,500.00	87.66



06/03/2024

Eagle Creek Villas First 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	☐	6147	0.00	93.08	1,183.82	0.00	93.08
2	☐	6148	52.71	78.62	1,184.44	0.00	78.62
3	☐	6149	0.00	79.23	1,183.85	0.00	79.23
4	☐	6150	0.00	81.90	1,184.02	0.00	81.90
5	☐	6151	0.00	77.93	1,183.86	0.00	77.93
6	☐	6152	0.00	77.11	1,183.96	0.00	77.11
7	☐	6153	0.00	78.41	1,183.96	0.00	78.41
8	☐	832	14.80	86.08	1,184.66	0.00	86.08

Water Demand and Fire Flow Requirements							
Node 6148		26.4	gpm Max Day Demand for 23 houses				
		52.7	gpm Peak Hour Demand for 23 houses				
Node 832		7.4	gpm Max Day Demand in water model prior to this project				
		14.8	gpm Peak Hour Demand in water model prior to this project				
All nodes connected to proposed water mains		1000.0	gpm for fire flow				

