

Town Centre Logistics With Fire Flow At Maximum Day Demand

		ID	Base Demand (gpm)	Base Pressure (psi)	Fire Demand (gpm)	Combined Demand (gpm)	Residual Pressure (psi)
1	☐	9507	0.00	74.58	0.00	0.00	36.39
2	☐	9509	0.00	82.81	0.00	0.00	46.18
3	☐	9511	24.40	70.67	1,000.00	1,024.40	30.53
4	☐	9512	0.00	80.63	1,000.00	1,000.00	44.01
5	☐	9514	0.00	84.98	1,000.00	1,000.00	48.44
6	☐	9578	0.00	71.97	1,000.00	1,000.00	29.88



05/26/2023

Town Center Logistics 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	☐	9507	0.00	50.92	0.00	0.00	50.92
2	☐	9509	0.00	59.13	0.00	0.00	59.13
3	☐	9511	48.80	46.99	0.00	48.80	46.99
4	☐	9512	0.00	56.94	0.00	0.00	56.94
5	☐	9514	0.00	61.31	0.00	0.00	61.31
6	☐	9578	0.00	48.30	0.00	0.00	48.30

Water Demand								
Node 9511		Assuming one employee per 1,500 sf of warehouse space for a 250,000 sf of warehouse space						
		24.40	gpm Max Day Demand for estimated 167 employees					
		48.80	gpm Peak Hour Demand for estimated 167 employees					

