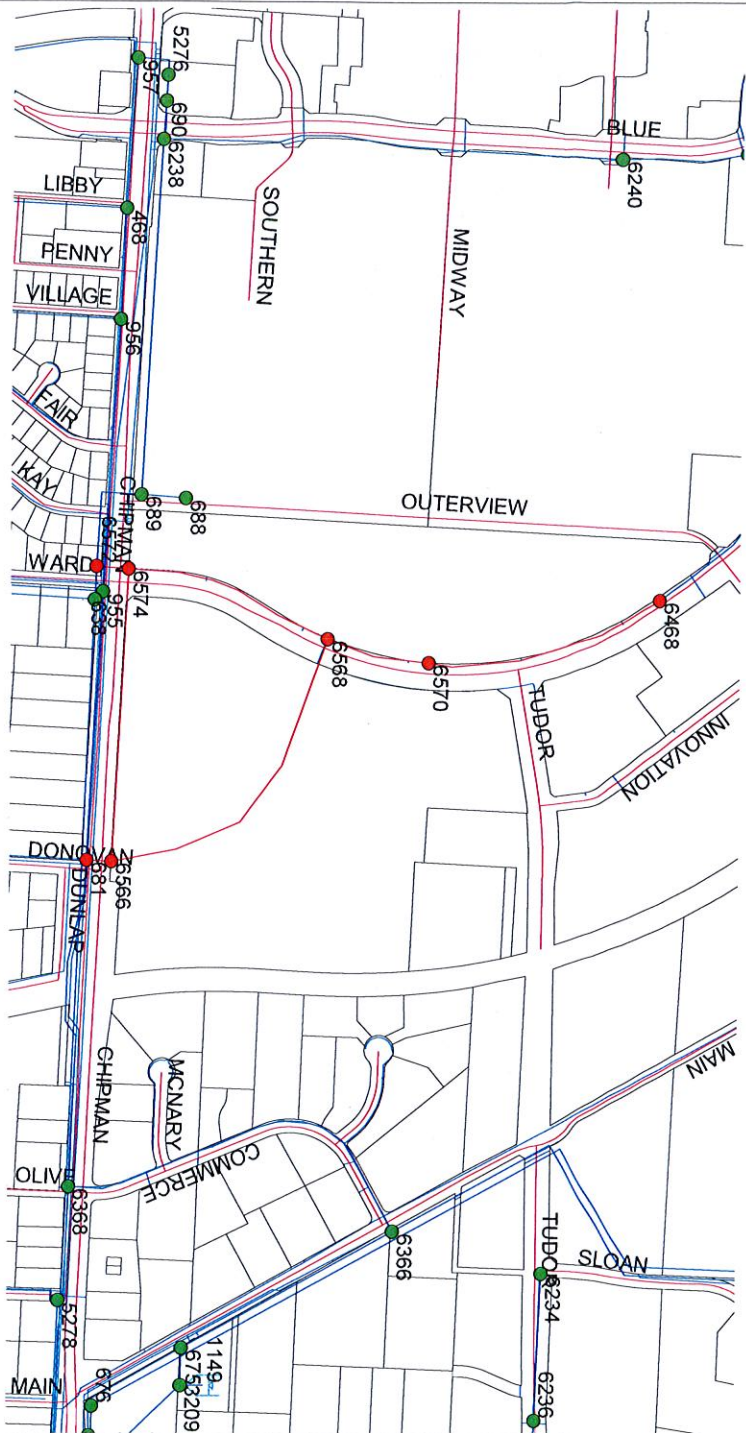


Summit Orchard



JUNCTION (MOTYPE)

- Active
- Domain

TANK (MOTYPE)

- Active Tank
- Domain Tank
- Active Reservoir
- Domain Reservoir

PIPE (MOTYPE)

- Active Pipe
- Domain Pipe
- Active Check Valve
- Domain Check Valve

PUMP (MOTYPE)

- Active
- Domain

VALVE (MOTYPE)

- Active
- Domain

STREETS

PARCELS

WPRESSURIZEDMAIN

Summit Orchard w/ 8" line on Chipman

	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1	☐ 6568	42.30	1,004.00	1,177.25	75.07
2	☐ 6570	32.60	995.00	1,176.70	78.73
3	☐ 6574	0.00	999.00	1,179.54	78.23
4	☐ 681	13.83	1,004.00	1,173.98	73.65
5	☐ 6468	31.00	971.00	1,175.53	88.62
6	☐ 6566	116.00	1,004.00	1,174.73	73.98
7	☐ 6572	68.83	1,000.00	1,180.22	78.09

Summit Orchard, no 8" line on Chipman

	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1	6568	42.30	1,004.00	1,177.40	75.13
2	6570	32.60	995.00	1,176.84	78.79
3	6574	0.00	999.00	1,180.22	78.52
4	681	13.83	1,004.00	1,172.69	73.09
5	6468	31.00	971.00	1,175.63	88.66
6	6566	116.00	1,004.00	1,172.86	73.17
7	6572	68.83	1,000.00	1,180.64	78.27

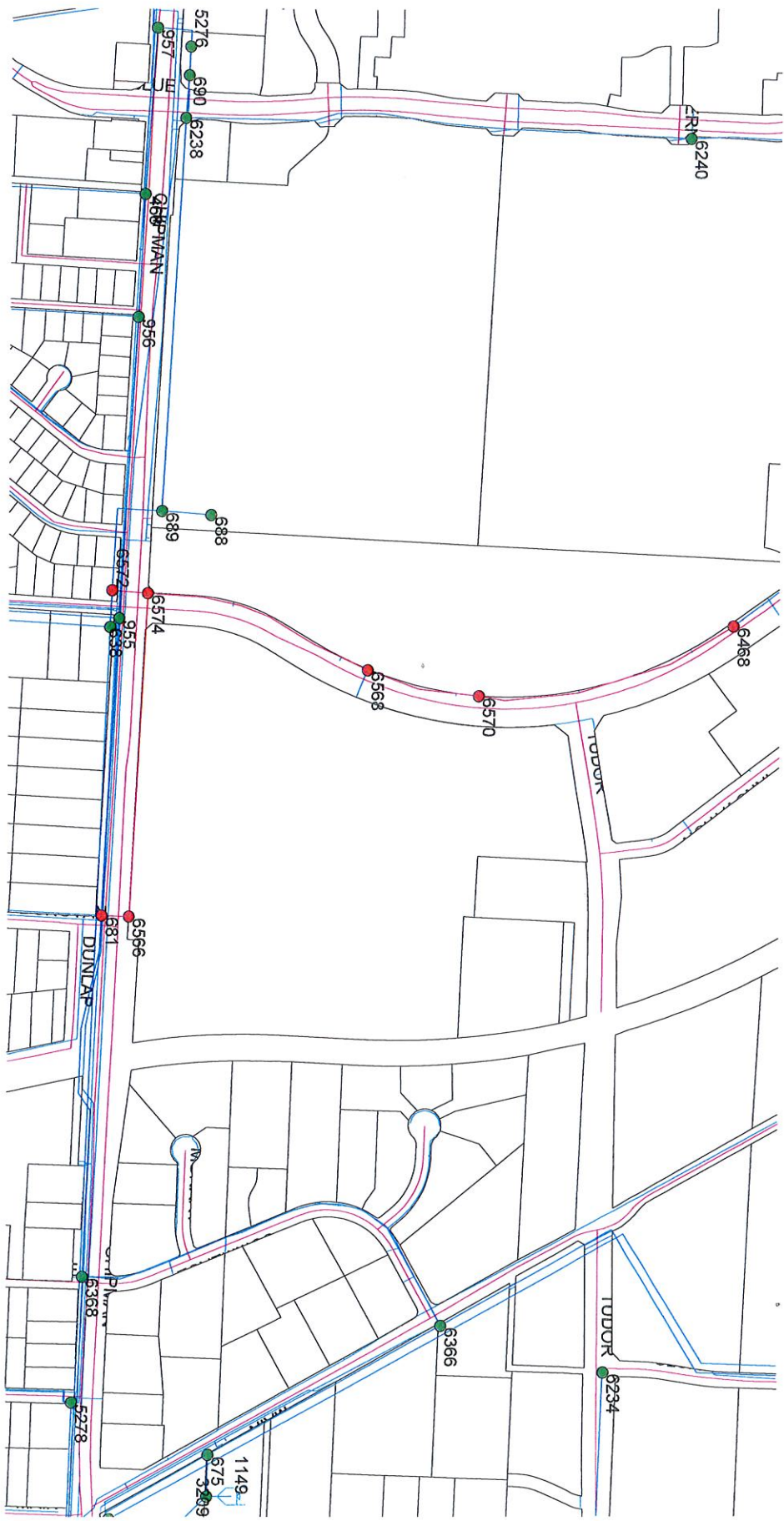
Summit Orchard, no 8" line on Chipman

ID	Static Demand (gpm)	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Available Flow at Hydrant (gpm)	Available Flow Pressure (psi)
☐ 6568	42.30	75.13	1,177.40	1,500.00	70.35	10,334.68	20.00
☐ 6570	32.60	78.79	1,176.84	1,500.00	73.05	9,123.65	20.00
☐ 6574	0.00	78.52	1,180.22	1,500.00	75.22	17,008.49	20.00
☐ 681	13.83	73.09	1,172.69	1,500.00	68.60	9,926.62	20.00
☐ 6468	31.00	88.66	1,175.63	1,500.00	82.09	8,225.62	20.00
☐ 6566	116.00	73.17	1,172.86	1,500.00	67.95	7,748.92	20.00
☐ 6572	68.83	78.27	1,180.64	1,500.00	75.49	22,478.13	20.00

Summit Orchard w/ 8" line on Chimpmman

ID	Static Demand (gpm)	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Available Flow at Hydrant (gpm)	Available Flow Pressure (psi)
☐ 6568	42.30	75.07	1,177.25	1,500.00	70.43	10,323.90	20.00
☐ 6570	32.60	78.73	1,176.70	1,500.00	73.20	9,114.62	20.00
☐ 6574	0.00	78.23	1,179.54	1,500.00	74.94	17,629.47	20.00
☐ 681	13.83	73.65	1,173.98	1,500.00	69.64	11,285.68	20.00
☐ 6468	31.00	88.62	1,175.53	1,500.00	82.18	8,220.23	20.00
☐ 6566	116.00	73.98	1,174.73	1,500.00	69.62	9,587.63	20.00
☐ 6572	68.83	78.09	1,180.22	1,500.00	75.33	22,752.48	20.00

Test nodes for Summit Fair expansion



20" closed and 8" across Chipman closed

ID	Static Demand (gpm)	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Available Flow at Hydrant (gpm)	Available Flow Pressure (psi)
6468	31.00	83.10	1,162.78	1,500.00	56.07	2,615.95	20.00
6566	116.00	68.54	1,162.19	1,500.00	12.41	1,486.95	20.00
6568	42.30	68.73	1,162.63	1,500.00	37.63	2,043.49	20.00
6570	32.60	72.65	1,162.66	1,500.00	42.73	2,188.63	20.00
6574	0.00	70.88	1,162.59	1,500.00	37.46	1,960.42	20.00
681	13.83	72.57	1,171.49	1,500.00	67.17	8,217.98	20.00
6572	68.83	79.02	1,182.37	1,500.00	76.28	21,529.39	20.00

All pipes open

ID	Static Demand (gpm)	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Available Flow at Hydrant (gpm)	Available Flow Pressure (psi)
☐ 6468	31.00	89.28	1,177.04	1,500.00	82.41	7,864.10	20.00
☐ 6566	116.00	74.93	1,176.93	1,500.00	62.76	3,868.37	20.00
☐ 6568	42.30	75.81	1,178.96	1,500.00	70.15	8,945.39	20.00
☐ 6570	32.60	79.45	1,178.35	1,500.00	73.13	8,319.79	20.00
☐ 6574	0.00	78.57	1,180.33	1,500.00	75.25	16,852.21	20.00
☐ 681	13.83	73.12	1,172.76	1,500.00	68.34	9,191.00	20.00
☐ 6572	68.83	78.32	1,180.75	1,500.00	75.54	22,406.58	20.00

20" closed 8" across Chipman open

ID	Static Demand (gpm)	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Available Flow at Hydrant (gpm)	Available Flow Pressure (psi)
☐ 6468	31.00	84.23	1,165.38	1,500.00	70.19	3,928.71	20.00
☐ 6566	116.00	70.22	1,166.07	1,500.00	51.90	2,891.41	20.00
☐ 6568	42.30	69.94	1,165.42	1,500.00	54.86	3,216.93	20.00
☐ 6570	32.60	73.84	1,165.40	1,500.00	59.03	3,401.80	20.00
☐ 6574	0.00	72.13	1,165.48	1,500.00	56.55	3,180.02	20.00
☐ 681	13.83	72.13	1,170.46	1,500.00	67.01	8,859.22	20.00
☐ 6572	68.83	79.00	1,182.33	1,500.00	76.25	21,538.07	20.00