

## EXHIBIT D

### WATERMAIN CAPACITY ALLOCATION

1. The existing 8” and 12” watermain from the Apple Orchard Pressure Reducing Valve (PRV) Station near Palm Road to Game Farm Road has a calculated capacity of approximately 1,250 gallons per minute (gpm) while maintaining a 35 psi residual pressure at the highest ground elevation along the system which is located near Game Farm Road. Analysis has been based on the supply solely through the Apple Orchard PRV station.
2. Reserve a fire hydrant flow allowance of 750 gpm at Game Farm Road.
3. The two year average day use (2017-2019) for the Town of Ithaca service connections identified in Exhibit C is 6,500 gallons per day (gpd) or 4.5 gpm. The proposed allocation to Town of Ithaca is 150 gpm.
4. The two year average day use (2017-2019) for Town of Dryden through the Freese Road water meter is approximately 80,000 gpd (56 gpm). The proposed allocation to Town of Dryden is 350 gpm.
5. Summary of Allocation:
  - a. Fire flow 750 gpm
  - b. Town of Ithaca 150 gpm (0.108 mgd)
  - c. Town of Dryden 350 gpm (0.504 mgd)

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Total allocation = 1,250 gpm