

CSI

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Tuck Road Planned Urban Village  
4550 Tuck Road  
Loganville, Georgia 30052

February 16, 2025

**RE: Water-Sewer Demands**

To Whom It May Concern:

This letter is to confirm the water and sewer demands for a proposed Planned Urban Village project located at 4550 Tuck Road in Loganville, Georgia. The project is to include up to 100 single family lots, up to 60 townhome units, and (2) 8000 sf commercial buildings.

Assuming:

100 Single Family Homes

60 Townhomes

Commercial buildings are assumed to have up to 25 employees @ 25 gal/day per employee  
and assumed 30 seat restaurant @ 50 gal/seat/day (per Environmental Health Manual)

Demand:  $100 \times 400 \text{ gal/day} = 40,000 \text{ gal/day}$

$60 \times 400 = 24,000 \text{ gal/day}$

$25 \text{ employees @ } 25 \text{ gal/day} = 625 \text{ gal/day}$

$30 \text{ seats @ } 50 \text{ gal/seat/day} = 1,500 \text{ gal/day}$

$40,000 + 24,000 + 625 + 1,500 = 66,125 \text{ gal/day} / 1440 = 45.92 \text{ gal/min}$

Peak Demand with pump station:  $66,125 (2.5) = 165,312.5 / 1440 = 114.80 \text{ gal/min}$

Sincerely,



Brian Wood, P.E.