

May 14, 2024

Chester Szymanski III
City of Little Falls Engineer
659 E. Main Street
Little Falls, New York 13365

**RE: Zaida Development
Water/Sewer Evaluation Letter
Reed Street, Little Falls, NY
Project No. 2232333**

Dear Mr. Szymanski:

We are pleased to present you with the water/sanitary sewer letter evaluation in support of the proposed development located at the end of Reed Street in the City of Little Falls, Herkimer County, New York. Pennrose LLC, (the “Developer”) is proposing the development of residential units and a community center on the currently undeveloped property. A summary of the anticipated water/wastewater generation from the project is presented below.

Water & Wastewater Conveyance and Treatment System:

All sewage from the proposed development will be treated at the City of Little Falls Wastewater Treatment Plant (WWTP), where treated effluent is discharged into the Mohawk River. Using Table B-3 of the NYSDEC Design Standards for Intermediate-Sized Wastewater Treatment Systems, March 5, 2014, expected hydraulic wastewater loading rates can be calculated. As mandated by Section 15-0314 of the Environmental Conservation Law, plumbing facilities in new and renovated buildings must use water-saving fixtures and, therefore, a 20% reduction in water demand can be taken as applied to the rates provided in Table B-3. The resulting anticipated average daily domestic water demand for the proposed mixed-use is summarized in Table 1 below.

Table 1: Anticipated Domestic Water Demands

Type of Use	Unit	No. of Units	Water Demand	Total Water Demand
Residential	1 Bedroom Unit	41	110 gpd/unit	4,510 gpd
	2 Bedroom Unit	86	110 gpd/unit	9,460 gpd
	3 Bedroom Unit	11	110 gpd/unit	1,210 gpd
Community Building	4,200 sf	1	0.1 gpd/sf	420 gpd
Subtotal of Estimated Average Daily Flow				15,600 gpd
Less 20% Water Saving Reduction				-3,120 gpd
Total Estimated Average Daily Flow				12,480 gpd
Maximum Daily Flow (applying factor of 2.0 to Average Daily Flow)				24,960 gpd
Peak Hourly Flow (applying factor of 4.0 to Average Daily Flow)				4 (15,600) gpd 1,440 min/day = 43.33 gpm

For design purposes, the total average daily domestic water demand is 15,600 gpd, which translates to approximately 10.83 gallons per minute (gpm) over a 24-hour day. Using a factor of 2x average daily



demand for the maximum day demand, the maximum daily domestic demand is estimated to be 24,960 gpd. With a peaking factor of 4x average daily flow, the peak hourly loading is estimated to be 43.33 gpm.

In summary, it is anticipated that the proposed development will not adversely affect the City of Little Falls water or wastewater system.

If you have any questions or need further information, please do not hesitate to contact me at sfarrell@labellapc.com or at (518) 266-7362.

Respectfully submitted,

LaBella Associates

Sean M Farrell, CPESC
Senior Project Manager
cc: File