



**S. LLEWELLYN & ASSOCIATES LIMITED**  
CONSULTING ENGINEERS

June 7, 2021

File: 19087

City of Hamilton  
71 Main St. West  
Hamilton, Ontario  
L8P 4Y5

**RE: Wastewater Generation Assessment  
225 East Ave North (Phase 3)  
City of Hamilton**

The proposed affordable housing development will be constructed in 3 phases. Phase 1 will consist of constructing a 2-tiered building comprised of a 3-storey wing and a 5-storey wing. Phase 2 will consist of the redevelopment of the existing 3-storey stables building along the west property line. Phase 3 will consist of constructing a 3-storey midrise apartment building. This development will include a parking structure at grade, asphalt and concrete walkways, sidewalks and landscaped areas. Wastewater generation for the site was calculated based on Table 8.2.1.3.B – Other Occupancies of the 2012 Ontario Plumbing Code.

Table 3.1 summarizes the sanitary sewer discharge rates from the Phase 3 building on the proposed site.

<b>Table 3.1 – Proposed Development Sanitary Sewer Discharge (Prop. 3-Storey Residential Building)</b>	
Occupancy Type:	
Apartments, Condominiums, Other multifamily Dwellings <sup>1</sup>	275 l/person/day x 126 people = <b>34,650 l/day</b>
<b>Waste Generated (l/day):</b>	<b>34,650</b>
<b>Total Wastewater Estimate (l/s):</b>	<b>0.40</b>
Population= (3 x 1 bed units x 2 ppl/bed) + (24 x 2 bed units x 2 ppl/bed) + (4 x 3 bed units x 2 ppl/bed) = 126 people	

**Total Wastewater Discharge = 0.40 l/s**

As can be seen in Table 3.1 the proposed development will have a total wastewater generation of **0.40 (l/s)** while the two proposed 200mmØ sanitary sewers at 0.7% slope have a capacity of 24.0(l/s).

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We trust that the information provided addresses the City of Hamilton requirements.

Prepared by:

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