

PROJECT TITLE: Elm Road				SANITARY SEWER DESIGN SHEET TOWN OF WHITCHURCH-STOUFFVILLE - REGION OF YORK										ENGINEER'S SEAL										PREPARED BY: SKASABOURIN KIMBLE & ASSOCIATES LTD. CONSULTING ENGINEERS									
PROJECT No.: 10.228																																	
CLIENT: Madori Limited																																	
ISSUED FOR: July 2025 - 2nd Submission																																	
NOTES, STANDARDS AND DESIGN INPUT PARAMETERS														Note: Total Area																			
Densities (persons/unit):				Harmon Peaking Factor:				Design Flows:																									
Single Family, Semi-Detached Residential 3.2				Maximum: 4				Residential Flow 350 L/person/day																									
Townhouse 2.9				Minimum: 2.0				Infiltration Flow 19.872 m³/ha/day (0.23L/s/ha)																									
Apartment 2.2				Formula: $K_{H} = 1 + \frac{14}{(4 + P)^{0.7}}$				Commercial Flow 24.192 m³/ha/day (0.28L/s/ha)																									
Other 3.0								Floor Space Index 1 of gross lot area																									
Unplanned Developable Land (persons/hectare) 125				where; K_{H} = Harmon Peaking Factor				Institutional Flow 24.192 m³/ha/day (0.28L/s/ha)																									
				P = Population in Thousands				Industrial Flow 24.192 m³/ha/day (0.28L/s/ha)																									
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