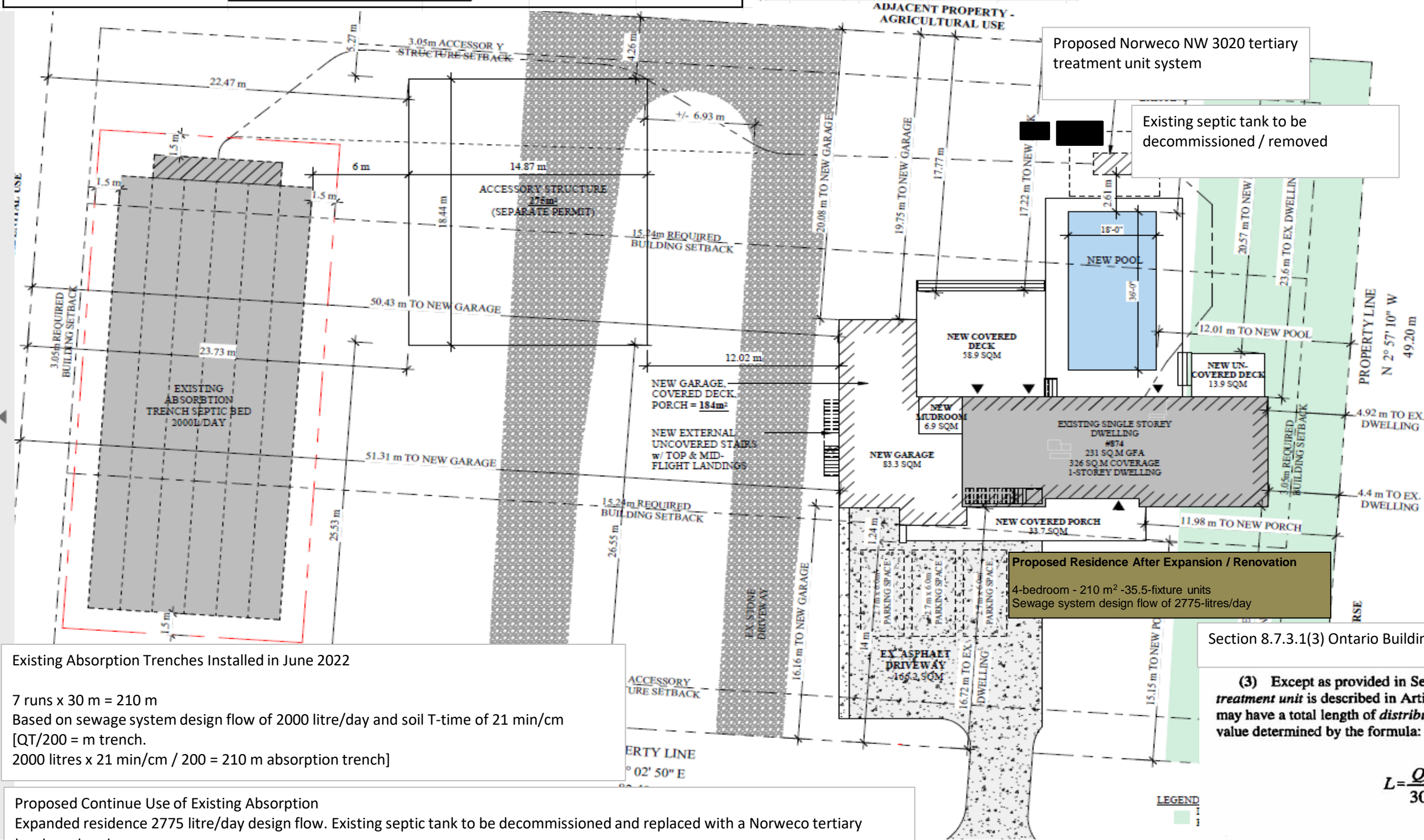
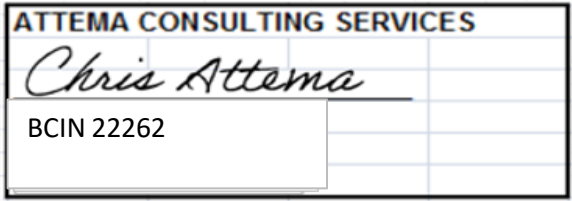


Owner Contact	Property Location
	874 Line 1 Road
	Assessment Parcels: 262702001204603
	Roll Number 262702001204603
	Full Street Number 874
	Unit
	Qualifier
	Street Name Line 1
	Street Type Road
	Street Direction
	Municipality Niagara-on-the-Lake
	Township Lots and Concessions: Niagara
	Township Niagara
	Lot Lot 71
	Concession
	Full Text Niagara Township Lot 71

PROPOSED SEWAGE SYSTEM SITE PLAN FOR MINOR VARIANCE REVIEW PURPOSES
(Full Design Details to be Submitted When Applying for the Building Permit)



Existing Absorption Trenches Installed in June 2022

7 runs x 30 m = 210 m
Based on sewage system design flow of 2000 litre/day and soil T-time of 21 min/cm
[QT/200 = m trench.
2000 litres x 21 min/cm / 200 = 210 m absorption trench]

Proposed Continue Use of Existing Absorption
Expanded residence 2775 litre/day design flow. Existing septic tank to be decommissioned and replaced with a Norweco tertiary treatment system

Required absorption trench based QT/300 for tertiary treatment unit systems based on Section 8.7.3.1 (3) Ontario Building Code
Design flow of 2775 litre/day and soil T-time of 21 min/cm
[QT/300 = m trench.
2775 litres x 21 min/cm / 300 = 194.25 m absorption trench required]

Proposed installation of a Norweco Tertiary treatment unit system with continued use of existing 7 runs x 30 m = 210 m absorption

Section 8.7.3.1(3) Ontario Building Code

(3) Except as provided in Sentence (1), where the treatment unit is described in Article 8.6.2.2., the leaching bed may have a total length of distribution pipe not less than the value determined by the formula:

$$L = \frac{QT}{300}$$

where:
L = total length of distribution pipe in metres
Q = the total daily design sanitary sewage flow in litres
T = the design percolation time