



May 30, 2022

MTE File No.: 44357-112

Morgan Dykstra
Public Works & Planning Coordinator
Town of St. Marys
175 Queen Street East,
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St. Marys, ON N4X 1B6
Email: mdykstra@town.stmarys.on.ca

Dear Morgan:

**RE: Functional Servicing Letter
Perth County Ingredients, Building Additions
20 Thames Road North, St. Marys, Ontario**

Introduction

MTE Consultants Inc. was retained by Perth County Ingredients to complete a functional servicing review in support of the Site Plan Application for 20 Thames Road North, located in St Marys. The subject site consists of approximately 1.59ha generally bounded by Thames Road North to the west, lands zoned Agricultural to the north and Light Industrial to the south and the east. It is proposed to construct a warehouse building addition and two (2) dryer towers within the existing building.

Sanitary Servicing

The sanitary sewage from the proposed development will discharge to the existing 200mm sanitary sewer located within Thames Road North that will discharge to the sanitary sewers that continues south of Queen Street West. The existing sanitary service will be utilized and is not proposed to be modified for the building additions as minimal increase in wastewater discharge is anticipated.

Perth County Ingredients has provided the following effluent discharge numbers for the current operation, which are summarized in the below table.

Month	Average (L/day)	Average (L/s)
April	134,880	1.561
May	162,684	1.883

The existing 200mm sewer with a slope of 2% has a capacity of 46.4 L/s which should be adequate for the average discharge. Capacity within the downstream sanitary sewers and the wastewater treatment system will need to be confirmed with the Town of St Marys.

Water Distribution

Water supply for the development is proposed by the existing 100mm water service from the existing 200mm watermain on east side of Thames Road North. The existing water service will be utilized and is not proposed to be modified for the building additions as minimal increase in water usage is anticipated.

Perth County Ingredients has provided the following water usage information for the current operation, which are summarized in the below table.

Month (2022)	Water Use (Cubic Meters)
January	4,391
February	2,785
March	6,019
April	0
May	3,997

Stormwater Management and Storm Servicing

Stormwater flows from the proposed development will discharge to the existing 450mm storm sewer located within Thames Road North. A stormwater management design has been completed for the site and a separate Stormwater Management Report prepared by MTE Consultants, dated May 24, 2022 has been submitted.

All of which is respectfully submitted,

MTE Consultants Inc.

Jamie Dick, P.Eng.

Manager, Civil Engineering

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cc: Austin Currah – Perth County Ingredients

Tom Duffton – Perth County Ingredients

Mark Whittemore – MTE Consultants

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