



May 27, 2025

24-063

Municipality of Arran-Elderslie
1925 Bruce Road 10, Box 70
Chesley, ON N0G 1L0

Attn: Ms. Emily Dance, CAO

Re: 187 Balaklava Street Development, Paisley

Dear Ms. Dance,

We have analyzed the storm sewer system on Balaklava St., after exposing the buried manhole at the intersection of Duke and Balaklava. The analysis shows that there is spare capacity available in the existing storm sewers to accommodate the runoff from the proposed development. Accordingly, the developer can be advised not to divert runoff from the school's property to Balaklava St. by constructing a new storm sewer in the unopened road allowance. However, to do so, the following changes are required:

- a) Roof leader on east side of the building must discharge runoff to the west side in order that it can flow into new CB 2.
- b) Flow in existing 450 ø storm sewer on the east side of the lot must not be restricted. And developer must transfer the easement of this storm sewer to Arran-Elderslie to maintain it.
- c) The 3 storage pipes at the north end of the property must be rearranged in a manner to allow orifice controlled outlet from storage pipes into new CB 1. I have marked up developer's drawing in red for clarity purposes.
- d) Any short-fall in storage required can be provided by installing a storage pipe running north-south on the west side between the lot line and the proposed building.

I reviewed the above changes with Mr. Scott McLeod and Mr. Keith Welsh in separate team meetings on May 27, 2025 to ensure that changes suggested in this letter are acceptable.

It is recommended that the developer is asked to resubmit the Stormwater Management Report and drawing after incorporating the above changes for review and comments.

If you have any questions, please feel free to contact this office.

Truly yours,

GSS Engineering Consultants Ltd.

Rakesh Sharma, P. Eng., Secretary-Treasurer
Designated Consulting Engineer

RS/nc

cc Mr. Scott McLeod, Arran-Elderslie

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BALAKLAVA STREET

ORIFICE TUBE
INSTALLED HERE ON THE PIPE OUTLET

ROOF LEADERS FROM
EAST SIDE TO DRAIN
TO WEST SIDE BY
MODIFYING OTHER.

UNOPENED ROAD ALLOWANCE

Question:
ROAD SIDE WALK BE
SHIFTED TO WEST?

ELEVATION NEEDED
IN FAVOUR OF ARIAN
STABLE FOR
THIS PIPE & ASSOCIATED
STORM STRUCTURE.

Marked up by
Robert
March 27/2025