



Sent via email

October 30, 2024

**The Regional
Municipality of
Durham**

Works Department

605 Rossland Rd. E.
Level 5
PO Box 623
Whitby, ON L1N 6A3
Canada

905-668-7711
1-800-372-1102

Wayne Ward
Township of Brock
1 Cameron Street East
P.O. Box 10
Cannington, Ontario, L0E 1E0

Dear Mr. Ward:

**RE: Source Protection Comments on Concept Plans for MacLeod
Park in Cannington**

We appreciate the opportunity to review the proposed MacLeod Park concept plans within the community of Cannington. MacLeod Park is located within the South Georgian Bay Lake Simcoe Source Protection Area and the Wellhead Protection Areas (WHPAs) for Cannington Municipal Drinking Water Wells MW4 and MW8 (Attachment 1).

Given the site's proximity to our municipal drinking water wells that supply Cannington, it is essential to consider potential impacts on local drinking water resources. Under the Clean Water Act, municipalities and communities within source protection areas are responsible for identifying and managing potential threats to drinking water quality. This includes evaluating new developments within WHPAs, where certain activities may constitute significant drinking water threats, depending on their location and vulnerability score.

It is also important to note that future updates to the Cannington WHPAs will include the delineation of an Issue Contributing Area (ICA), which will further enhance protection measures in response to specific water quality concerns. This ICA designation will introduce additional policies and protective measures aimed at mitigating specific contaminants that could pose a risk to the drinking water supply. We encourage proactive planning to align with these forthcoming protections and to minimize future adjustments.

The following comments and recommendations are provided to assist in aligning this development proposal with source water protection goals:

1. WHPA Mapping Overlay

To understand the full scope of this project's impact on local water resources, we recommend overlaying the proposed park concept plans onto the WHPA and vulnerability zones. This will help visualize any potential interactions between park facilities and sensitive groundwater recharge zones.

2. Dog Park

While a dog park is not an activity that is covered within the Source Protection Plan, there are similar activities such as livestock confinement, storage/application of agricultural source material which are prohibited within the WHPA-A and/or vulnerability of 10 to reduce the risks of pathogens and nitrate that can reach the well intake. We strongly recommend removing the dog park from the proposed park plans or at the very least outside the vulnerability score of 10), as an additional measure to protect source water integrity.

3. New Washroom Facilities

It is our assumption that the proposed new washroom facilities would be tied into the existing sanitary system. If this is not the case, there are Source Protection Plan policies that may prohibit the activity (septic systems) within the WHPA-A and the Risk Management Official should be consulted with for more information.

4. Sports Fields

For the proposed sports fields, any application of commercial fertilizers pose a potential risk to water quality. It is our understanding that the Township of Brock does not apply commercial fertilizer to recreational fields. All application of fertilizer within an area that has a vulnerability score of 10 will be prohibited once the ICA designation has been approved by the province. Currently all application of commercial fertilizers require a Risk Management Plan negotiated with Durham Region's Risk Management Official.

5. Stormwater Management

The paved parking lot proposed at the community centre may produce additional runoff and/or introduce contaminants that could impact the nearby well, especially in storm events. Changes to overland flow should be considered and impacts minimized as part of the overall plan.

Additionally, if stormwater management facilities are to be planned, particularly infiltration systems, they may be prohibited within WHPA-A or areas with Vulnerability Scores of 10. Clean roof water may be acceptable; however, specific plans should be assessed on a case-by-case basis to ensure compliance with source protection policies.

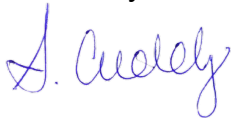
6. Increased Security for Well Sites

Given the anticipated increase in public activity in proximity to our well sites, consideration will need to be given to security measures and additional security may be necessary to prevent any unintentional access or damage.

We appreciate your consideration of these comments in the planning process and look forward to continued collaboration to ensure safe and sustainable development within our community.

If you have any questions or concerns regarding the information presented in this letter, please contact the Risk Management Official at (905) 668-7711 x 3501.

Sincerely,



Shelly Cuddy, Risk Management Official
Regional Municipality of Durham

c: Tavis Nimmo, Manager, Water Resources, Monitoring & Protection
Mike Hubble, Director, Environmental Services

Enclosure: Attachment 1 – Vulnerable Areas Map