



May 13, 2022

Township of Douro-Dummer  
894 South Street, P.O. Box 92  
Warsaw, Ontario  
K0L 3A0

**Attention: Martina Chait, Deputy Clerk**

Dear Ms. Chait,

**Re: 4034 Centre Road – Site Plan Approval  
Township of Douro-Dummer  
Drainage and Grading Review – 2<sup>nd</sup> Submission  
D.M. Wills Project No. 88002**

D.M. Wills Associates Limited (Wills) has been retained by the Township of Douro-Dummer to complete an Engineering Review of the proposed grading and drainage for the property located at 4034 Centre Road. The grading and drainage design is illustrated to the Site Plan and was provided to the Township in support of the proposed Site Plan Approval.

The following information was received as part of the 2<sup>nd</sup> Submission Peer Review:

- Comment Response Letter, prepared by M.J. Davenport and Associates Limited, dated April 14, 2022
- Revised Application to Amend Zoning By-law 10-1996
- Revised Site Plan, prepared by M.J. Davenport and Associates Limited, dated April 13, 2022
- Erosion Control Plan, prepared by M.J. Davenport and Associates Limited, dated April 13, 2022
- Landscaping Sketch, prepared by M.J. Davenport and Associates Limited, April 13, 2022

All items were reviewed as background information for the proposed development; however, the scope of the engineer review is limited to the Site Plan, Erosion Control Plan and Comment Response Letter. A site visit was completed on March 3, 2022.



D.M. Wills Associates Limited  
150 Jameson Drive, Peterborough, Ontario, Canada K9J 0B9  
P. 705.742.2297 F. 705.748.9944 E. wills@dmwills.com

## Comments

Based on the information provided, we have the following comments regarding the proposed Site Plan, Grading and Erosion Control design. Comments satisfactorily addressed from previous submissions have not been restated.

### Site Plan / Grading Plan

5. The following general notes should be **shown** on the grading plan (**repeat comment**). The requirement for notes related to sump pump discharge locations has been removed.
  - a. Drainage shall be self-contained on site by the construction of swales or drain to a protected outlet. Drainage shall not impact adjacent properties.
  - b. Sediment and erosion control measures shall be implemented to prevent migration of silt and sediment from the subject lot to any adjacent lot, including municipal right-of-way. Special care shall be taken to ensure that silt and sediment laden surface water does not enter any watercourses or environmentally sensitive area, either overland or through the storm drainage system. The owner/builder shall comply with all directives issued by any of the environmental agencies.
  - c. Interim grading measures may be required during building construction to ensure that drainage does not adversely affect the neighboring properties. Rough grading of the property shall be completed such that drainage is contained on site or controlled to a protected outlet.
  - d. The owner/builder is responsible for obtaining utility and servicing locates prior to any works.
  - e. All disturbed areas are to be sodded or seeded over a minimum of 150mm of topsoil or approved equivalent.
  - f. No elevations will be less than 0.15m between final grade and Top of Foundation Wall.
  - g. The submission of this plan represents that Owner hereby acknowledges that any grading changes that occur through the construction that result in adverse effects to existing adjacent properties will require an as-constructed site grading plan.
6. The revision history should be updated in the title block.



### **Erosion Control Plan**

1. Provide OPSD references for Silt Fence. Note that silt fencing should not be included across the entrance location.
2. Based on the proposed construction activities and gravel driveway, we do not anticipate that a mud mat is required. However, if a mud mat is proposed, the dimensions should be included on the drawing including the size and depth of stone, with a minimum length of 6 m.
3. The revision history should be updated in the title block.

We trust that this information is suitable for your purposes at this time.  
Please contact our office if you have any questions or require clarification.

Respectfully submitted,

A handwritten signature in black ink that reads "Chris Proctor-Bennett".

Chris Proctor-Bennett, P.Eng.  
Group Leader, Stormwater Management Engineering

CPB