



Grand River Conservation Authority
Resource Management Division
Melissa Larion, Resource Planner

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**PLAN REVIEW REPORT: Township of North Dumfries
Joan Nahls**

DATE: January 18, 2010

**YOUR
FILE:**

Zoning By-law Amendment

GRCA FILE: Zoning By-law Amendment

RE: Zoning By-Law Amendment Application
Cambridge Aggregates Inc.
1882 Alps Road, Cambridge

RECEIVED
FEB 05 2010

GRCA COMMENT:

The Grand River Conservation Authority (GRCA) has no objection to the above-noted zoning by-law amendment. We have reviewed the materials circulated in support of the application including the Cambridge Aggregates North Dumfries Pit Expansion Planning Report (dated December 2009, prepared by Long Environmental Consultants Inc.) and offer our comments below.

BACKGROUND:

1. Resource Issues:

Information currently available at this office indicates that an area of valley slope occurs on Lot 15 of the subject lands. As such, the property is regulated the GRCA under Ontario Regulation 150/06 Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses. We note that there are a number of unevaluated wetlands on an adjacent property to the southwest which are of interest to the GRCA relative to the associated pit expansion application.

2. Legislative/Policy Requirements and Implications:

- 1) The Grand River Conservation Authority's Development, Alterations to Shorelines and Watercourses and Interference with Wetlands Regulation, prohibits development in or on the following areas:
 - a) adjacent or close to the shoreline of the Great Lakes-St. Lawrence River System or to inland lakes that may be affected by flooding, erosion or dynamic beaches, and within the 15m allowance,
 - b) river or stream valleys that have depressional features associated with a river or stream, whether or not they contain a watercourse,
 - c) hazardous lands;
 - d) wetlands; or
 - e) other areas where development could interfere with the hydrologic function of a wetland, including areas within 120 metres of all provincially significant wetlands and wetlands greater than or equal to 2.0 hectares in size, and areas within 30 metres of wetlands less than 2.0 hectares in size, but not

including those where development has been approved pursuant to an application made under the Planning Act or other public planning or regulatory process;

And prohibits alteration to:

- 2) straighten, change, divert or interfere in any way with the existing channel of a river, creek, stream or watercourse or change or interfere in any way with a wetland prior to receiving written consent of the Grand River Conservation Authority.

GRCA staff has reviewed the Cambridge Aggregates North Dumfries Pit Expansion Planning Report (dated December 2009, prepared by Long Environmental Consultants Inc.). We offer the following comments for your consideration:

Terrestrial Resources Advisory Comments

1. The Planning Report has been prepared and completed in keeping with GRCA EIS Guidelines and we find the conclusions and recommendations as they relate to the natural heritage features on and adjacent to the site satisfactory.
2. In Appendix 3 of the North Dumfries Pit Expansion Planning Report - Preliminary Water Resource Assessment (dated December 2009, prepared by Golder Associates), groundwater elevations are evaluated and summarized. The monitoring identified an unusual amount of precipitation in Southern Ontario in 2008 and the first half of 2009 resulting in an abnormally high ground water elevation. This known water table elevation should be used to guide and establish the pit floor during the ongoing monitoring of extraction. Cambridge Aggregate Services Inc. should maintain a minimum 1.5m buffer above the known high water table elevation.
3. We can support the proposed rehabilitation plan and recommended cropping sequence as provided by DBH Soil Services Inc. in Appendix 2 – Surficial Soil Study (dated December 2009). For the woodland rehabilitation planting zone, we would encourage rehabilitation to include the collection and utilization of native acorn and nuts from pignut hickory (*Carya glabra*), black oak (*Quercus velutina*), and hackberry (*Celtis occidentalis*) from the West and South woodlots. These could be collected and directly seeded to support planting of live tree stock.

3. Plan Review Fees

The General Membership of the Grand River Conservation Authority passed Resolution No. 122-01 on September 28, 2001 for the implementation of plan review fees in the Regional Municipality of Waterloo. The Grand River Conservation Authority will now apply a review fee for all new Planning Act applications within the Grand River Conservation Authority areas of interest received after October 1st, 2001.

This zoning by-law amendment application is within a Grand River Conservation Authority area of interest. The application is considered a Complex Application. In accordance with the Plan Review Fee Schedule, the applicable plan review fee is \$4,675 payable to the Grand River Conservation Authority and has been invoiced to the applicant.

We trust that this information is of assistance. Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,



Melissa Larion
Resource Planner
Grand River Conservation Authority

cc: Cambridge Aggregates Inc., P.O. Box 1030, Cambridge, ON, N1R 5Y2
Alyssa Bridge, Community Planning, Region of Waterloo
Bob Long, Long Environmental Consultants Inc., 43 Forest Park Road, Orangeville, ON, L9W 1A1
Diane Schwier, Ministry of Natural Resources
Steve Jefferson, K. Smart Associates

** These comments are respectfully submitted as advice and reflect resource concerns within the scope and mandate of the Grand River Conservation Authority.*