



## Appendix H: Guidelines for Erosion and Sediment Control

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### 1.0 INTRODUCTION

This document is Appendix H to the CRCA Environmental Planning Policies (2015). This guideline should be read in conjunction with the CRCA Environmental Planning Policies, the Guidelines for Implementing Ontario Regulation 148/06: Development, Interference with Wetlands, and Alterations to Shorelines and Watercourses, as well as municipal guidelines where they have been prepared. These guidelines will be updated from time to time. CRCA staff encourage consultation early in the design process to determine specific requirements, coordinated through our Planning Office.

### 2.0 GENERAL GUIDELINES

1. Erosion and sediment control measures are to be utilized on sites where there is the potential for sediment to leave a property during or after site development, and to affect natural heritage features and areas, hazardous lands, and/or water quality.
2. Sediment control measures (such as sediment fencing or straw bales) are to be installed in accordance with the applicable Ontario Provincial Standards Drawings (OPSDs) around all areas that will be disturbed prior to the commencement of site disturbance, inspected for proper function on a continual (daily) basis by the site contractor, and remain in place until after the area has been stabilized.
  - a. Sediment fencing is to be keyed in to the existing ground and be supported by stakes at regular intervals, in a manner that is consistent with the manufacturer's guidelines and/or recognized design standards.
  - b. Sediment fencing is not to be used to create check dams in swales.
  - c. Straw bales, whether used as an upland barrier or to form a swale check dam, are to be butted against one another, and fitted to the existing ground, so as to capture sediment, in a manner that is consistent with recognized design standards.
  - d. Sediment capture devices should be used in existing catchbasins.
3. Erosion control measures (such as rip-rap stone underlain by geotextile fabric, erosion blankets, or hydroseeding) are to be installed in accordance with the

- applicable Ontario Provincial Standards Drawings (OPSDs) on an interim or permanent basis, as appropriate, where there is a potential for erosion, such as on a disturbed slope, or in a constructed swale.
4. Where development and site alteration are to occur in areas adjacent to a tree or a woodland, a protection measure such as temporary fencing must be installed at least 1.5 metres outside of the dripline of the affected vegetation.

## **SUPPLEMENTAL REFERENCES**

Greater Golden Horseshoe Area Conservation Authorities. 2006. Erosion & Sediment Control Guideline for Urban Construction.

Ontario Ministries of Natural Resources, Environment, Municipal Affairs and Transportation & Communications, Association of Conservation Authorities of Ontario, Municipal Engineers Association, Ontario Urban Development Institute. 1987. Guidelines on Erosion and Sediment Control for Urban Construction Sites.

Ontario Provincial Standards for Roads and Public Works.

## **FOR MORE INFORMATION**

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