



A Healthy Watershed for Everyone

## HCA APPLICATION CHECKLIST FOR LAKE ONTARIO SHORELINE DEVELOPMENT SUBMISSIONS HCA Regulation 161/06

The following checklist has been compiled to assist the applicant in preparing their application to the Hamilton Conservation Authority for approval pursuant to Ontario Regulation 161/06. Pre-consultation is encouraged for all applications. The level of detail required will be dependent on the nature of the proposed works and the natural hazards on the site. Additional information may be required depending on submission details. All items checked below must be submitted with your application in order for the application to be deemed complete.

**NOTE:** Shoreline Hazard Assessments for Lake Ontario and Hamilton Harbour are to be completed in accordance with the *Ontario Ministry of Natural Resources Technical Guide, 2002* and any amendments, revisions or updates thereto.

<input type="checkbox"/>	<b>Shoreline Flood and Erosion Hazard Assessment</b> (to be completed by qualified coastal/geotechnical engineer) <ul style="list-style-type: none"><li>• Structural assessment of existing shoreline protection works</li><li>• Identification of existing flood hazard limit</li><li>• Identification of existing erosion hazard limit including long term stable slope allowance, 100 year recession rate and 6 metre erosion access allowance (as per MNR Guidelines)</li><li>• Recommendations for improved/new shoreline protection works</li><li>• Identification of proposed flood and erosion hazard limits based on improved/new shoreline protection works</li></ul>
<input type="checkbox"/>	<b>Shoreline Retaining Wall Design</b> (to be completed by qualified coastal engineer) <ul style="list-style-type: none"><li>• Rationale for new wall or repair of existing wall</li><li>• Plan view and cross-sectional details for new wall, showing appropriate tie-in to shoreline protection works on adjacent properties</li><li>• Location of new wall in relation to existing grade and top/toe of slope</li><li>• Specific elevations for crest and toe of new wall</li><li>• Lake Ontario water level at time of plan design</li><li>• Weight/size/type of material(s) used for new wall or repair</li><li>• Date, Author, Scale, Professional Engineer Stamp</li></ul>

**NOTE:**

- All reports/assessments/plans submitted must be approved by a qualified professional with experience and qualifications in the field of work
- Seasonal and multiple year data collection may be required for some reports/assessments
- All sampling protocols must be to the satisfaction of HCA staff