

**APPENDIX E**

Sample Erosion and Sediment Control Plan Checklist

DRAFT



### Erosion and Sediment Control Requirements – Report.

ESC Plan Requirements – Report	Check
<p><b>Project Descriptions:</b> Brief description of the nature and purpose of the land disturbing activity. Also include the legal description of the property and a reference to adjacent properties and landmarks.</p>	<input type="checkbox"/>
<p><b>Condition of Existing Site:</b> Description of the land use, site topography, vegetation, and drainage of the site under existing conditions.</p>	<input type="checkbox"/>
<p><b>Condition of Existing Receiving Water:</b> Description of local receiving waters such as watercourses and lakes (e.g. warm water fisheries, cold water fisheries; aquatic habitat use, confined or unconfined valley).</p>	<input type="checkbox"/>
<p><b>Adjacent Areas and Features:</b> Description of neighbouring areas, such as residential and commercial areas, reserves, natural areas, parks, storm sewers, and roads that might be affected by the land disturbance.</p>	<input type="checkbox"/>
<p><b>Soils:</b> A description of soils on the site, including erodibility, and grain size analysis. This description should include a summary of the soils/geotechnical report for the site.</p>	<input type="checkbox"/>
<p><b>Critical Areas:</b> Description of areas within the development site that have potential for serious erosion or sediment problems.</p>	<input type="checkbox"/>
<p><b>Permanent Stabilization:</b> Description of how the site will be stabilized after construction is completed. This will require a phasing plan (to be provided on the ESC Plan drawing) of the stripped area to be reseeded and the expected time of stabilization.</p>	<input type="checkbox"/>
<p><b>Design Details of Erosion and Sediment Control Measures:</b> The supporting calculations and design details of the sediment control measures. Specifically for ESC ponds - calculations and details include permanent pool and extended detention volumes, pond sizing volume, and calculations for the pond outlet and emergency overflow outlet.</p>	<input type="checkbox"/>
<p><b>Record Keeping Procedure:</b> Include sample inspection and maintenance forms. Maintenance Record keeping procedure including name/designate of the personal who will keep the inspection and maintenance record.</p>	<input type="checkbox"/>
<p><b>Stockpile Details:</b> Stockpile details to include the height and volume at each proposed location.</p>	<input type="checkbox"/>
<p><b>Emergency Contact:</b> Provide a list of emergency and non-emergency contacts (e.g. owner, site supervisor)</p>	<input type="checkbox"/>
<p><b>Stamped and Signed:</b> ESC document/report must be stamped and signed by a Professional Engineer.</p>	<input type="checkbox"/>



### Erosion and Sediment Control Plan Requirements - Drawing(s)

ESC Plan Requirements - Drawing(s)	Check
<b>General Items:</b> <ul style="list-style-type: none"> <li>• Site address including application number (e.g. SP or T number)</li> <li>• Key map including site boundary limits</li> <li>• A legend identifying ESC measures</li> <li>• Drawing scale</li> <li>• North arrow</li> <li>• Location of any existing or proposed building(s) or structure(s) on the site</li> </ul>	<input type="checkbox"/>
<b>Existing Contours:</b> Existing elevation of the site at 0.5-1.0 m intervals to determine drainage patterns. Spot elevations may also be required. Extend existing contours to beyond property limit by a minimum of 30 meters.	<input type="checkbox"/>
<b>Existing Vegetation:</b> Location of any trees, shrubs, grasses, and unique vegetation to be preserved or removed. Tree hoarding area(s) to be clearly shown.	<input type="checkbox"/>
<b>Water Resources Location(s):</b> Location of any water body such as wetlands, lakes, rivers, streams, or drainage course on or adjacent to the site.	<input type="checkbox"/>
<b>Regional Storm Flood Plain and Fill Regulated Areas:</b> Regional flood line level, fill regulated line and reference to relevant hydraulic model cross-section where applicable.	<input type="checkbox"/>
<b>Critical Areas:</b> Area within or near the proposed development with potential for serious erosion or sediment problems.	<input type="checkbox"/>
<b>Proposed Contours/Elevation:</b> Proposed changes in existing elevation contours for each stage of grading. A cut/fill plan showing existing and proposed contours. Spot elevation for proposed conditions should also be illustrated.	<input type="checkbox"/>
<b>Site Boundary Limits and Limits of Clearing and Grading:</b> Site boundary limits and the limits of all proposed land disturbing activities.	<input type="checkbox"/>
<b>Existing and Proposed Drainage Systems:</b> Location and direction of any existing/proposed storm drainage system (e.g. storm sewers, swales, ditches, etc.) and overland flow drainage patterns within and adjacent to the site.	<input type="checkbox"/>
<b>Limits of Clearing and Grading:</b> A line defining the boundary of the area to be disturbed.	<input type="checkbox"/>
<b>Stockpile and Berm Data:</b> Stockpile and/or berm locations, size and the diversion route of the runoff. Consideration will include proximity to existing homes	<input type="checkbox"/>
<b>Erosion and Sediment Control Measures Locations and Details:</b> Location and details for all ESC measures proposed with notes provided to direct their timing/phasing such that there is an appropriate level of protection provided during all stages of construction (e.g. Sediment fence should be installed prior to any land disturbing activities).	<input type="checkbox"/>

Source: GGHACA, 2006.