

# FINAL - Revised October 27/05

## Guidelines for Detailed Engineering Reviews - Responsibilities of Each Organization

Issue/Concern	Conservation Authority X (Lead) (1)	Local Mun. X	Region	MOE
Watercourses & Valleys	Floodline Delineation	X		
	Low Flow Channel Design & Fluvial Geomorphological Considerations	X (Lead)		
Road and Utility Crossings	Trail Design	X (Lead)		
	Geotechnical Considerations (Slope Stability, Natural Hazards, Geometric Design)	X (Lead)		
	Hydraulics (Riparian Issues and Channel Design)	X (Lead)	X Reg. Roads	
	Hydraulics (Minor systems)		X	
Shoreline Design		X		
		X (Lead)		
Stormwater Management	Type of facility (or facilities), if not determined within approved SWS	X	X (Lead)	
	Location of facility with respect to vision of area		X (Lead)	
	Location of facility with respect to watercourse, flood plain, valleys, woodlots etc.		X	
	Location of facility with respect to structural setbacks	X	X (Lead)	
	Location of facility with respect to functionality	X	X (Lead)	
	Confirmation of drainage areas	X	X (Lead)	X Reg. Roads
	Sizing of facility with respect to quality, erosion and quantity controls, including release rates & settling calculations	X	X (Lead)	X (3)
	Other potential impacts on receiving watercourse, e.g.	X (Lead)	X	
	Outlet structure and spillway design	X	X (Lead)	
	Outfall to watercourse (if necessary)	X (Lead)	X	
	Safety - Side slopes, grating, grading, emergency access.		X	
	Landscaping/Revegetation	X	X (Lead)	
	Long term maintenance		X	
	Major and minor flow conveyance (internal to subdivision)	X	X (Lead)	X Reg. Roads
Hydraulic grade line analysis of storm sewer system and outlet		X		
Erosion and Sediment Control Plans	X	X (Lead)	X Reg. Roads	
Other	X	X (Lead)		
Grading of Lots Abutting Regulated Areas				

Note 1:  
Lead = Decision Maker  
X = Commenting Role

Note 2:  
Individual Situations may require further discussion

Note 3:  
Environmental and Approvals Branch of the MOE reviews all systems that fall under s53 of the OWRA including residential systems. The Local District Office in Burlington only reviews industrial related systems