

**CHECKLIST: GUIDE FOR GEOTECHNICAL REPORT**

	Yes	No	N/A
Introduction			
▪ Site History, Aerial Photos, Previous or Related Reports			
Topography			
▪ Past or Present, Filling			
Geology			
Field and Laboratory Investigation (Scope)			
▪ Borehole Locations (Drawings)			
Subsurface Conditions			
▪ Soils (Fill)			
▪ Rock (Drawing)			
▪ Groundwater (Drawing)			
▪ Topsoil and soil strengths			
▪ Organic (Drawing)			
Discussion of the subsurface features as they affect the proposed development			
Groundwater and surface water considerations			
▪ Subsurface Drainage (seasonal affects)			
▪ Surface water drainage			
▪ Post Construction ground water levels			
▪ Post construction overland flow paths			
Groundwater fluctuation & soil moisture changes			
Influence of organic soils			
Settlement considerations (<i>settlement vs fill height, time</i>)			
▪ Bulk filling			
▪ Buildings			
Allowable foundation bearing pressures			
▪ Undrained soil strengths			
Slope stability			
▪ Cut slopes			
▪ Fill slopes			
▪ Run out zones			
▪ Strength parameters			
▪ Form of analysis			
▪ Conditions considered in analysis			
▪ Results and Comments			
Effluent disposal			
▪ Suitable areas			
▪ Soakage Characteristics			
▪ Limitations			
▪ Design requirements			
Stormwater disposal			
▪ Site suitability for groundwater soakage			
▪ Overland flowpaths			
▪ Identify all offsite effects			



	Yes	No	N/A
Earthworks Considerations			
▪ Proposed fill areas (drawing)			
▪ Site preparation			
▪ Fill materials			
▪ Compaction criteria			
▪ Building considerations			
▪ Road subgrade design requirements			
▪ Minimum building platform level (flooding)			
▪ Proposed final contour plan			
Existing fills			
▪ Engineered or non-engineered			
▪ Inferred extent			
▪ Nature of fill			
▪ Quality			
▪ Suitability			
Conclusions and recommendations			
▪ Statement of professional opinion			
Tables			
▪ Soil test results			
▪ Distribution of organic compressible soils			
▪ Summary of rock depths			
▪ Measured groundwater levels			
▪ Measured topsoil depths			
▪ Range of undrained shear strengths			
▪ Foundation bearing pressures			
▪ General stratigraphical description of soils			
▪ Summary of slope stability analysis report			
▪ Soakage test results			
Figures			
▪ Summary of test results			
▪ Settlement vs fill height			
Appendices			
▪ Field and laboratory test results			
▪ Fill specification			
Drawings			
▪ Site plan			
▪ Cut and fill areas			
▪ Cross sections (limitations statement)			
▪ Groundwater considerations			
▪ Drain details			
▪ Contours of rock surface			
▪ Stability analysis and results			
▪ Run out zones			
▪ Building restriction Lines			