



Aquifer Protection Guidelines – Applicant Checklist

Geotechnical Report Requirement	Met?
Name(s) and qualifications of the Qualified Professional (e.g., P.Eng, P.Geo, etc.) and registered with the EGBC acting under that association’s code of ethics and liabilities and subject to disciplinary action by that association	
Summary of current site conditions	
Summary of the planned development concept	
Recommendations to ensure that the integrity of the Aquitard and Aquifer 560 are protected throughout the development process	
A summary of any hydrogeological and/or geotechnical investigations previously done on the site under a Town of Gibsons Drilling Permit, per the Aquifer Protection Bylaw 1338, 2025.	
A review and evaluation of Town’s information regarding the Aquifer 560’s location, depth, pressure, and geometry (including identification of the covering aquitard) as documented in the 2013 Aquifer Mapping Study, 2021 Aquifer Mapping Study Update, and 2024 Leapfrog Model Update;	
A discussion of the expected subsurface conditions within the development site and adjacent lands, including the depths of the expected confining unit(s), upward artesian pressure exerted from the aquifer to the base of the proposed excavation. Possible additional data sources include the Ministry of Environment Groundwater Wells database	
Mitigation measures for potential flowing artesian conditions, including a review of Provincial resources for flowing artesian wells, practice advisories from Engineers, Geoscientists Association of British Columbia (EGBC) and the relevant Groundwater Protection Regulation (GWPR), if the development is located in Aquifer Protection Sub Area 1	
Conceptual foundation design, including depths	
Site servicing plan, if in Sub Areas 1 or 2	

Excavation Plan, including depths and extent of all excavations required for development;	
Monitoring Plan Requirements	Met?
Developed or approved by a Qualified Professional	
Methodology for controlling artesian pressure, if encountered	
A cost estimate of a) and b) above, for bonding purposes	