



The Use of Construction Dewatering Process for Building Sites

No.: PERMITS-07
Date: 1997-04-23
Revised: 2016-03-31

Purpose:

To inform owners, Coordinating Registered Professionals, Registered Professionals and contractors of City requirements concerning temporary and permanent construction dewatering use in the preparation of a building site.

Background:

- Construction dewatering processes are being used more frequently due to an increase in the number of highrise buildings and underground parking structures being built.
- The BC Building Code states:
Sentence 4.2.4.9.(1) *“Where proposed construction will result in a temporary or permanent change in the groundwater level, the effects of this change on adjacent property shall be fully investigated and provided for in the design.”*
- The BC Building Code indicates that it is the responsibility of the Registered Professional to ensure this requirement is met.

Implementation:

- Effective immediately, all building construction requiring the use of dewatering processes must satisfy the following requirements:
 - The use of the dewatering process must be designed and field reviewed by a Geotechnical Engineer registered with the Association of Professional Engineers and Geoscientists of British Columbia.
 - The Registered Professional must possess insurance coverage which includes errors and omissions.
 - The use of the dewatering process must be fully investigated and provided for in the design as per Sentence 4.2.4.9.(1) of the BC Building Code. A copy of the investigation report must be made available, upon request by the City, for information and record.
 - A bi-weekly assessment report and monitored results must be provided to the Coordinating Registered Professional for submittal to the City.
- Should you have any questions, comments or suggestions concerning this bulletin, please contact our Code Engineer, Permits Section at 604-204-8515.