



GENERAL GUIDELINES

Exploratory Drilling within a dike or dike right of way

To ensure that the proposed works meet provincial standards the following documentation, as appropriate, should be included in an application for *Dike Maintenance Act* approval

To ensure dike safety, it is important that exploratory testing such as the bore holes, CPT holes etc, do not impact the stability and/or operation of the dike – both during the installation and over the long term. Drill holes to be located off the dike unless there is a good reason and that reason must be provided in the approval application.

Where there are no other alternative locations we require the following to be submitted in support of a *Dike Maintenance Act* (DMA) application for test holes within a dike or with a potential to impact the dike;

- a drawing showing the locations of the test holes in plan view, all property lines and right of way boundaries and the dike alignment. Stationing on the drawing should be consistent with the as-built drawings for the dike¹
- details of the drilling program including the type of rig, the drilling methodology, diameter, and depth.
- details for decommissioning of the test holes. Generally we require decommissioning to involve pushing the rods down the completed hole and filling the hole with a continuous column of grout as the rods are extracted.

A condition of the written approval will require installation and decommissioning to be carried out under the supervision of experienced geotechnical personnel. A condition of the written approval will require the applicant to also obtain approval for the works from the Diking Authority.

¹ Refer to downloadable As-built drawings on our website;

ftp://ftp.env.gov.bc.ca/pub/outgoing/WSD/Website_As_built_FRFCP/FRFCP_web_table.htm

ftp://ftp.env.gov.bc.ca/pub/outgoing/WSD/Website_As_built_NonFRFCP/Non_FRFCP_web_table.htm

Upon completion of the works we would require;

- a letter sealed by a professional engineer certifying that the boreholes were properly decommissioned and that the integrity of the dike has not been impaired by the work.
- Final sealed as-built drawings of the works. The as-built drawings shall show the locations, elevations and depths of the exploratory holes relative to the dike, property and right of way boundaries.

Please refer to our website http://www.env.gov.bc.ca/wsd/public_safety/flood/structural.html for an up to date copy of the Dike Maintenance Act, general information on the *Dike Maintenance Act* approval process and a *Dike Maintenance Act* approval application form.