

Excavation and Lateral Support Works

In giving this approval of plans, your attention is drawn to the following conditions:

- (a) Site supervision of the excavation and lateral support works by a team of supervisors shall be provided each by the Authorized Person, Registered Structural Engineer, Registered Geotechnical Engineer and Registered General Building Contractor/Registered Specialist Contractor in accordance with the Technical Memorandum for Supervision Plans 2009 and the Code of Practice for Site Supervision 2009 to ensure that the works are carried out in accordance with the approved plans and in such a manner as not to render inadequate the margin of safety of, or impair the stability of, or cause danger to any building, structure, land, street or services.
- (b) The TCP T5 under the RGE's stream shall submit regular reports of his/her findings and recommendations to the RGE. The RGE shall formally submit these reports to the Buildings Department and copy them to the Geotechnical Engineering Office at monthly intervals or more frequently.
- (c) In addition to the Technically Competent Persons (TCPs) T3 and T5 under the Registered Geotechnical Engineer's (RGE's) stream as required in paragraph 1(a) above, a Directorate Site Supervisor (DSS) shall be provided for the excavation and lateral support works. The name of the DSS shall also be given in the site supervision plan. The DSS shall submit regular reports of his/her findings and recommendations to the RGE. The RGE shall formally submit these reports to the Buildings Department and copy them to the Geotechnical Engineering Office at monthly intervals or more frequently.

2. Under Building (Administration) Regulation 10, one set of [please refer to the approval letter for details e.g channel planking/sheet piling/pile wall/diaphragm wall] record plans showing the actual penetration of each pile/wall element relative to the existing ground and to the proposed excavation levels are to be submitted upon completion of the said works together with Form BA14 stipulated in Building (Administration) Regulation 25 to certify the completion of the [please refer to the approval letter for details e.g channel planking/sheet piling/pile wall/diaphragm wall] works.

3. Under Building (Administration) Regulation 10, two sets of grout curtain record plans and report together with the Form BA14 required under Building (Administration) Regulation 25 to certify the completion of the grout curtain works are required to be submitted. The record plans should show the location and actual installation depth of the grout tubes relative to the existing ground and to the proposed excavation levels and the report should include for each grout tube the date of installation, the quality and quantity of materials used, grout pressure, holding time and number of strokes during injection.

4. In connection with paragraph 1(a) above, details of site supervision of the excavation and lateral support works shall be included in the supervision plan and submitted prior to or at the time of application for consent to the commencement of the excavation and lateral support works.

5. Consent to the commencement and carrying out of the above works will not be given until the [please refer to the approval letter for details e.g channel planking/sheet piling/pile wall/diaphragm wall] record plans and Form BA14 specified in paragraph 2 above have been submitted and found satisfactory.
6. Consent to the commencement and carrying out of the above works will not be given until the grout curtain record plans, reports and Form BA14 specified in paragraph 3 above have been submitted and found satisfactory.
7. All significant signs of distress and/or notable landslides during the construction works should be reported promptly to the Buildings Department and the Geotechnical Engineering Office.
8. Where the ground settlement reaches or exceeds the trigger value of the “Alarm Level” defined in the monitoring scheme, the Chief Highway Engineer/Research and Development, Highways Department (Attention: Land Surveyor/Geographic Information System, telephone number: 2762 3498, fax number: 2714 5290, email: lsgis.rnd@hyd.gov.hk) should be notified promptly together with the relevant details of the monitoring.