

Ground Investigation Works in Scheduled Areas

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

- (a) Site supervision of the ground investigation works by a team of supervisors shall be provided each by the Authorized Person, Registered Geotechnical Engineer and Registered Specialist Contractor in accordance with the Technical Memorandum for Supervision Plans 2009, the Code of Practice for Site Supervision 2009 and Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers (PNAP) APP-49 to ensure that the quality of the works is up to standard and that the works are carried out in accordance with the plans approved.
- (b) The Technically Competent Person (TCP) T5 under the Registered Geotechnical Engineer's (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 connection with ground investigation works in Area Nos. 2 and 4 of the Scheduled Areas, essential requirements given in the attachment A to this Appendix shall be complied with.
- (d) In connection with ground investigation works in Area No. 1 of the Scheduled Areas, essential requirements given in the attachment B to this Appendix shall be complied with.

2. In connection with paragraph 1(a) above, details of site supervision of the ground investigation works as specified in the Technical Memorandum for Supervision Plans 2009, the Code of Practice for Site Supervision 2009 and PNAP APP-49 shall be included in the supervision plan and submitted prior to or at the time of application for consent to the commencement of the ground investigation works.

3. Under Building (Administration) Regulation 10, two sets of ground investigation record plans together with the Form BA14 stipulated in Building (Administration) Regulation 25 to certify the completion of the ground investigation works in scheduled areas are required to be submitted.

**Ground Investigation Works in
Area Nos. 2 and 4 of the Scheduled Areas**

The Authorized Person, Registered Structural Engineer and Registered Geotechnical Engineer shall note the following points which are essential elements for ground investigation works in Area Nos. 2 and 4 of the Scheduled Areas:

- (a) It is essential that the borehole logs and cores should be continuously reviewed as the works progress so that the ground investigation programme can be modified to elucidate any new features intercepted.
- (b) Selection of the ground investigation and laboratory testing contractors should be based on the requirements that high quality works will be assured. Only HOKLAS accredited testing laboratories should be employed for carrying out Phase I soil tests in accordance with PNAP APP-64.
- (c) Due care should be taken to avoid causing any adverse effects to the adjacent structures and land in the course of the ground investigation and particular care should be taken to ensure that damage to existing services does not occur.
- (d) If the number of drillholes carried out is less or more than that shown on the approved ground investigation plans and if there is any deviation of the method of drilling and ground investigation works then amended ground investigation plans should be submitted to the Building Authority for approval.
- (e) A ground investigation report with colour photographs of the rock cores should be submitted soon after the completion of the ground investigation works.

2. The Authorized Person, Registered Structural Engineer and Registered Geotechnical Engineer's attention is also drawn to PNAP APP-61, Geoguide 2: Guide to Site Investigation and Geoguide 3: Guide to Rock and Soil Descriptions published by the Geotechnical Engineering Office, which present a recommended standard of good practice for site investigation in Hong Kong.

**Ground Investigation Works in
Area No. 1 of the Scheduled Areas**

Approval of the ground investigation plan does not infer future acceptance by the Building Authority of the results obtained from the approved ground investigation works nor the adequacy of the scope of the ground investigation works for designing building works. The results will be reviewed independently at the later submission stage.

2 One copy each of Tentative Bulk Excavation Limit Contours (Drawing No. [please refer to approval letter for details] and Specification of Topographic Survey Plan and Sections are enclosed. Please note that the Determined Bulk Excavation Limit Contours will be issued to you some time after receipt from you of the ground investigation report and topographic survey plan and sections for this site. Prior to issue of the Determined Bulk Excavation Limit Contours in accordance with the procedures set down in PNAP APP-30, approval of site formation/foundation plans may be refused under section 16(1) of the Buildings Ordinance.

3. The Authorized Person, Registered Structural Engineer and Registered Geotechnical Engineer shall note the following points which are essential elements for ground investigation works in Area No. 1 of the Scheduled Areas:

- (a) It is essential that the borehole logs, groundwater levels, samples and cores should be continuously reviewed as the work progresses so that the ground investigation programme can be modified to obtain adequate information for future geotechnical design.
- (b) Due consideration should be given to the monitoring of the seasonal fluctuation of both main and perched water levels.
- (c) Selection of the ground investigation and laboratory testing contractors should be based on the requirements that high quality works will be assured. Only HOKLAS accredited testing laboratories should be employed for carrying out Phase I soil tests in accordance with PNAP APP-64.
- (d) Due care should be taken to avoid causing any adverse effects to the adjacent structures and land in the course of the ground investigation and particular care should be taken to ensure that damage to existing services does not occur.
- (e) If the number of drillholes carried out is less or more than that shown on the approved ground investigation plans and if there is any deviation of the method of drilling and ground investigation works then amended ground investigation plans should be submitted to the Building Authority for approval.
- (f) A ground investigation report with colour photographs of rock cores should be submitted soon after the completion of the ground investigation works.

4. The Authorized Person, Registered Structural Engineer and Registered Geotechnical Engineer's attention is drawn to PNAP APP-30, 49 and 64, Geoguide 2: Guide to Site Investigation and Geoguide 3: Guide to Rock and Soil Descriptions published by the Geotechnical Engineering Office, which present a recommended standard of good practice for site investigation and laboratory testing in Hong Kong.