
Attachment 5 –

Geotechnical Statement

Geotechnical Statement to support the Section 16 Planning Application for Minor Relaxation of Plot Ratio at Nos. 4 to 4C, Tai Hang Road

The owner intends to increase the plot ratio from 5 to 5.687. The foundation system is proposed to be raft footing.

The effect of increase in plot ratio is negligible to the features and existing ground anchors as the excavation area remains unchanged. (The Appendix shows the geotechnical considerations for the features and existing ground anchor.)

Therefore the proposed change is considered acceptable from geotechnical engineering point of view.

No.4 to 4C Tai Hang Road, Hong Kong

11SE-A/CR109 & 11SE-A/C463 subdivision 1

The upgrading slope works and additional ground investigation works would be proposed for slope stabilization. Some soil nails would be proposed to upgrade the slope stability for proposed building works. Design amendments on upgrading works would be submitted.

Existing Ground Anchor

Existing ground anchor would be strictly monitored and slope stability checking would be carried out to ensure slope safety.

11SE-A/CR106, 11SE-A/CR463 , 11SE-A/C201

These features are outside the site boundary. Slope stability checking would be carried out to ensure slope safety.

Natural Slope

The natural slope is bounded by feature 11SE-A/CR109 and Trafalgar Court. Our development works would be designed in a manner that no adverse impact to the slope. The stability of this feature would be further assessed in detail design. If the slope is found not up to stability standard, a fence wall would be constructed along the boundary to retain the potential debris from the slope in case of failure.

Unregistered Retaining Wall A (Within the lot Site Boundary)

The unregistered RC retaining wall feature is located at the east side of the site and within the site boundary. It is proposed to remove this retaining wall and the level difference would be supported by the proposed building.

Unregistered Retaining Wall B (Within the lot Site Boundary)

The unregistered masonry retaining wall at the west side of the site is proposed to be retained and the stability of the retaining wall will be reviewed. If necessary, upgrading works would be proposed to ensure slope safety.

