



KANTEY & TEMPLER
CONSULTING ENGINEERS

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3rd Floor BDO House
119 Hertzog Boulevard
Cape Town, 8001
P O Box 3132
Cape Town, 8000

Tel: +27 21 405 9600
Fax: +27 21 419 6774

HENRY FAGAN & PARTNERS

154 Bree Street

CAPE TOWN

8001

Email to: henryf@henryfagan.com

Attention: HENRY FAGAN

Dear Sir,

PROJECT BLUE SKY FRANSCHHOEK – SITE GEOLOGY AND SUBSOIL CONDITIONS

We refer to your request for a brief description of the anticipated subsoil conditions at the above site and report as follows:

1. LOWER STATION

Based on the results of previous geotechnical investigations undertaken in Franschhoek and available geological data, it is known that the site of the lower station is situated in terrain composed of and underlain by meta-sedimentary strata of the Franschhoek Formation, Malmesbury Group. These typically occur in the form of completely weathered very soft to soft rock (phyllitic shales) which tend to a residual soil (clayey silt) from the surface to great depth.

The residual material is of limited bearing capacity seldom offering more than 200kPa to 300kPa where occurring as a very stiff soil.

The shear strength of the residual profile is marginal with particular care required to ensure that the sidewalls of below grade excavations are appropriately battered, shored or even laterally supported. The design of ground anchors, piled foundations and lateral support constructed in the residual profile will as a rule be based on a detailed laboratory

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based assessment of the shear strength parameters in order for the optimization of the solutions adopted.

2. UPPER STATION

The geology at the upper station comprises quarzitic sandstone of the Table Mountain Group.

The sandstone generally offers a bearing capacity ranging from about 1MPa to 3MPa where occurring intact form.

The sandstone will offer excellent resistance to tie-back/tie-down anchorages and purpose-built piles.

The site will be visited during the week of the 4TH of July upon which we will submit another updated letter report in which we will detail the geotechnical investigations deemed necessary for assessment of the site geology and subsoil conditions.

We trust that the above is sufficient for your immediate requirements. Please do not hesitate to contact us should you have any questions.

Yours faithfully

KANTEY & TEMPLER

A handwritten signature in black ink, appearing to read 'F Du Plessis', with a stylized flourish at the end.

F DU PLESSIS

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