

One Tasman Development Limited Partnership
C/- RCP Wellington
By email

Attention: Grace Brew

Dear Grace

One Tasman Pukeahu Park Contaminated Land and Geotechnical Statement

1 Introduction

Tonkin & Taylor Ltd (T+T) has been commissioned by One Tasman Development Limited Partnership to provide contaminated land and geotechnical services for the One Tasman Pukeahu Park (herein referred to as 'the site'), located at 1 and 23 Tasman Street, Mount Cook, Wellington.

As you requested on 7 September 2021, please see below for statements relating to the contaminated land and geotechnical aspects of the site.

2 Contaminated Land

The site at is not currently recorded on the Greater Wellington Regional Council's Selected Land Use Register (SLUR) as a site that is, or has been, occupied by an activity or industry that is listed in the Ministry for the Environment's Hazardous Activities or Industries List (HAIL). An initial assessment of the site's history, comprised of a review of previous site investigation reports, historic aerial images from 1938 and selected documents from the Wellington City Council's Archive File, has not identified HAIL activities occupying the site currently or having occupied the site previously.

As HAIL activities have not been identified on the site, the need for contaminated land consents for the proposed development is not triggered, in accordance with:

- Regulation 5(7) of The National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health (2011)
- Rule 32 of the District Plan.

3 Geotechnical

The geological sequence at this site comprise:

- Topsoil/Fill;
- Swamp Deposits/Colluvium;
- Lower Alluvium;

- Greywacke Rock.

The Swamp Deposits/Colluvium below groundwater level have a potential for localised liquefaction but the very damaging widespread liquefaction induced lateral spreading is not expected.

The thickness of Lower Alluvium (typically dense gravel/sand or stiff silt) varies between 0m and 15m across the site. The depth to Greywacke Rock also varies across the site between 10m and 30m. Both Lower Alluvium and Greywacke Rock are reliable founding stratum.

All the proposed buildings are likely to be supported on piles founded in either Lower Alluvium or Greywacke Rock except the lightweight Building C (Buckle Street Terrace Houses). Building C is likely to be founded on shallow foundations/raft with a geogrid reinforced gravel layer to mitigate/reduce possible differential, liquefaction-induced settlement. However, the possibility of Building C founded on piles is not entirely discounted at this stage.

Piles are likely to be either driven type (e.g. bottom driven steel tubes, timber piles etc or bored and concreted type e.g. bored piles, continuous flight auger piles etc). Pile depths are likely to be in the order of 15m to 25m but could be deeper.

4 Applicability

This report has been prepared for the exclusive use of our client One Tasman Development Limited Partnership, with respect to the particular brief given to us and it may not be relied upon in other contexts or for any other purpose, or by any person other than our client, without our prior written agreement.

We understand and agree that our client will submit this letter as part of an application for resource consent and that Wellington City Council as the consenting authority will use this report for the purpose of assessing that application.

Tonkin & Taylor Ltd

Environmental and Engineering Consultants



Eng Liang Chin

Project Director

13-Sep-21

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