

**Date:** 17<sup>th</sup> August 2021

**No. Pages:** 1

**Project No.:** 2010-198

Development Officer  
Northern Beaches Council.

**Geotechnical Assessment for Section 4.55 modification to approved works at  
48a Queenscliff Road, Queenscliff, NSW.**

We understand the client would like to make some design changes to the approved Development Application (DA2011-0360) for the above site.

As a result we have reviewed the following documents:

1. Our report used in DA submission titled "Geotechnical Report for Alterations and Additions at 48A Queenscliff Road, Queenscliff, Project No.: 2010-198", Dated: February 2011.
2. Our letter titled 'Assessment for Section 4.55 modification to approved works at 48A Queenscliff Road, Queenscliff, project no. 2010-198', Dated February 2011.
3. DA approved Landscape Plan by Space Landscape Design, Project No.: 201792, Drawing No.: DA-100, Revision: C, Dated: 28<sup>th</sup> September 2020.
4. Survey of completed works by TSS Surveying Solutions, Refence: 191321 – 1, Dated: 06/09/2019.
5. New Landscape design by Space Landscape Design, Project No.: 201792, Drawing No.: DA-100, revision: D, Dated: 17/08/21

It is understood that the changes involve a minor realignment and lowering of two of the retaining walls forming the terraced levels along the western edge of the property, adjacent to the neighbouring property at 1a Greycliffe Street. Two of the retaining walls will be lowered approximately 0.5m to accommodate the existing rock ledges with the minor realignment being primarily aesthetic and geotechnically negligible.

It is understood that these walls have already been constructed at the previously accepted heights and we have previously been inspected by Crozier Geotechnical consultants on the 7<sup>th</sup> of January 2021 for a previous section 4.55 lodgement. The old walls were, at that time, considered to be relatively low in height, partially mortared and sloped/battered with no visible signs of excess deformation or deterioration. Several photos of the location during construction supplied by the site owners indicate that the foundation beneath the main portion of the walls in sandstone bedrock.

The design changes to the walls do not significantly alter the geotechnical aspects of the proposed development or the site from those on which the original report were based.

As such we see no geotechnical reason for these changes not to be approved, however they will require maintenance on a regular basis to ensure sections of rock are not dislodged and that and deterioration/deformation is rectified.

Hope the above comments meet council's requirements, if we can be of further assistance in regard to this matter please don't hesitate to contact the undersigned.

Yours faithfully,



Troy Crozier  
Principal