WOOD & GRIEVE ENGINEERS

NOW PART OF Stantec

ENQUIRIES: *FRANCIS TOLEDO SILVA*
PROJECT NO: *42265*

4 September 2019

TSA Management Pty Ltd
Level 15, 207 Kent Street
Sydney NSW 2000

Attention: Oliver He

Dear Oliver

RE: HAMMONDCARE GREENWICH HOSPITAL REDEVELOPMENT

WGE has performed a structural due diligence exercise on HammondCare's Greenwich Hospital site, which is due to be redeveloped into a mixed use village comprising of health, aged care and retirement living. The current site consists of an existing hospital which is due to be demolished via a staged approach.

A key area of investigation is the potential impact of the redeveloped hospital and seniors living apartments' basement excavation on the neighbouring heritage Pallister building, as shown in the overall site plan below:

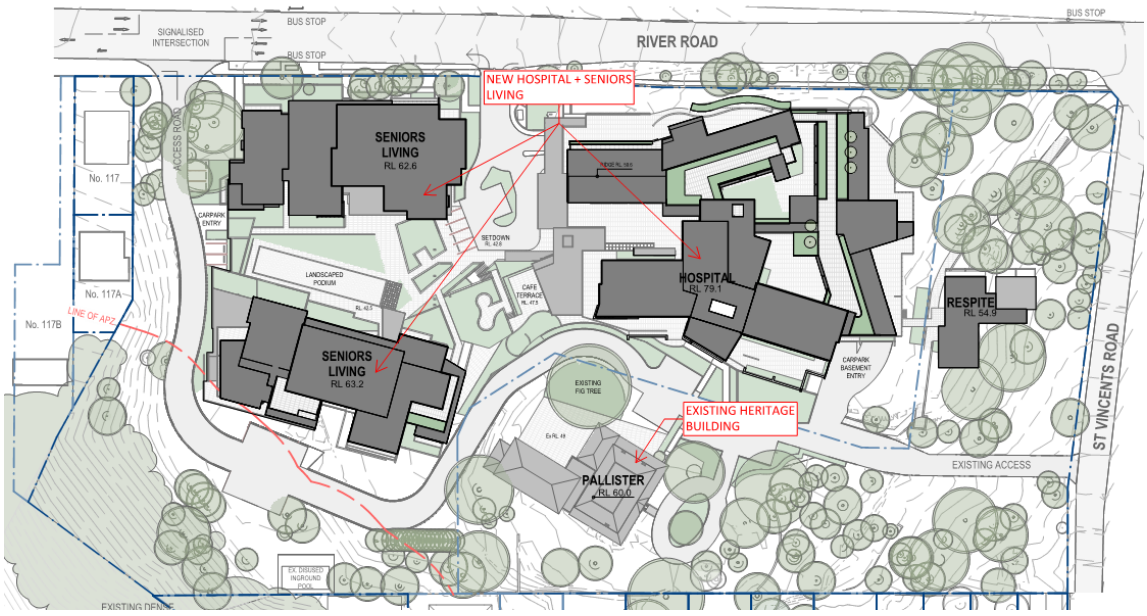

Figure 1: Overall Site Plan

To us, it's more than just work

Level 6, Building B, 207 Pacific Highway, St Leonards NSW 2065
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Our exercise assumes a single level of basement carparking resulting in an excavation of approximately 3-6m below ground level.

From the site section drawing provided by the architects, Bickerton Masters, the Pallister building is approximately 30m away from the proposed new hospital's basement and 19m away from the excavation extent of the seniors living building.

This is indicated in the cross-section markups below:

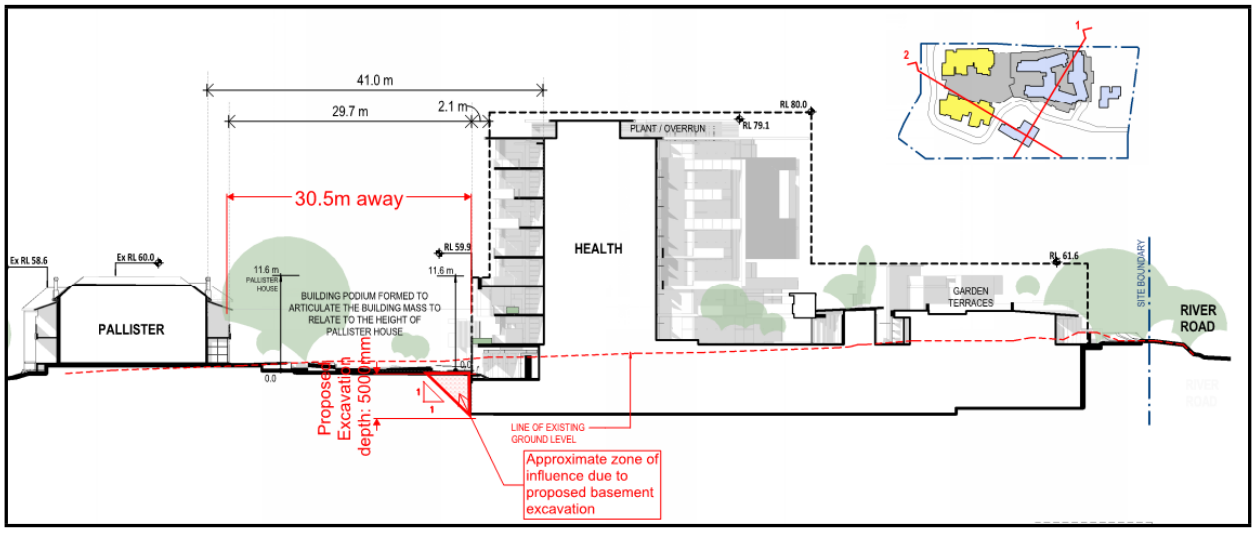

Figure 2: Cross Section 1 of Site Sections

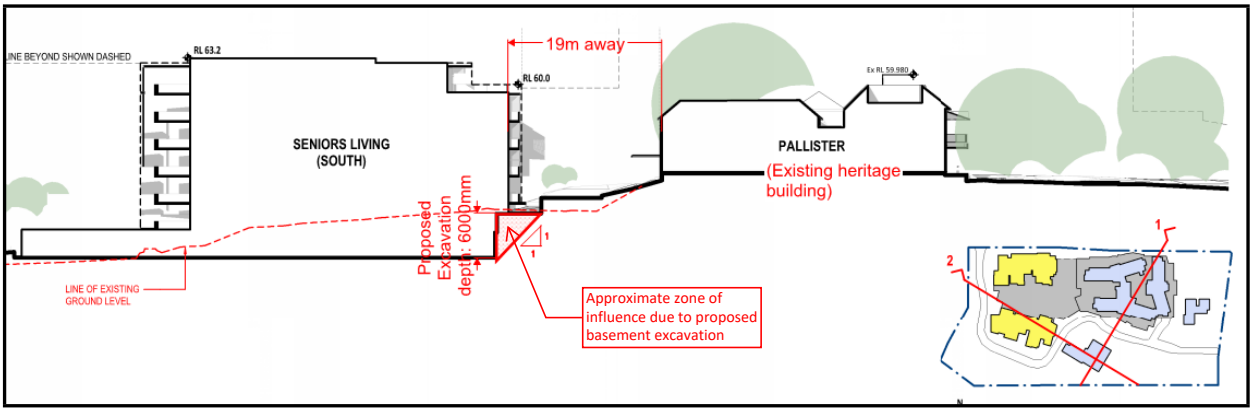

Figure 3:Cross Section 2 of Site Sections

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From the approximate zones of influence, based on a 1:1 slope with respect to the excavation, there is sufficient clearance to the Pallister building to not have an adverse structural impact on the heritage structure.

However, we note that the site is underlain by sandstone at depths close to the surface. Hence, excavation into rock is to be anticipated, during which appropriate measures for noise and vibration control should be undertaken.

Note that this is a high level assessment based on the proposed levels of basements and the extent of the new basement as indicated by the architect. Any significant changes to this may require further reassessment.

Yours faithfully

Francis Toledo Silva
for **Wood & Grieve Engineers now part of Stantec**

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