

22 July 2021

C92266

Mr Rob Long
Senior Project Manager
Case Meallin
2/19 Cato Street
Hawthorn East VIC 3123

Letter of Addendum (refer to AIA Xavier C92266) – Design proposal/methodology Trees 301 and 321

Dear Rob,

I am able to provide the following addendum (letter) in support of proposed design methodologies as relates to construction/excavation within the Tree Protection Zones (TPZs) of Trees 301 and 321 at Xavier College, Kew.

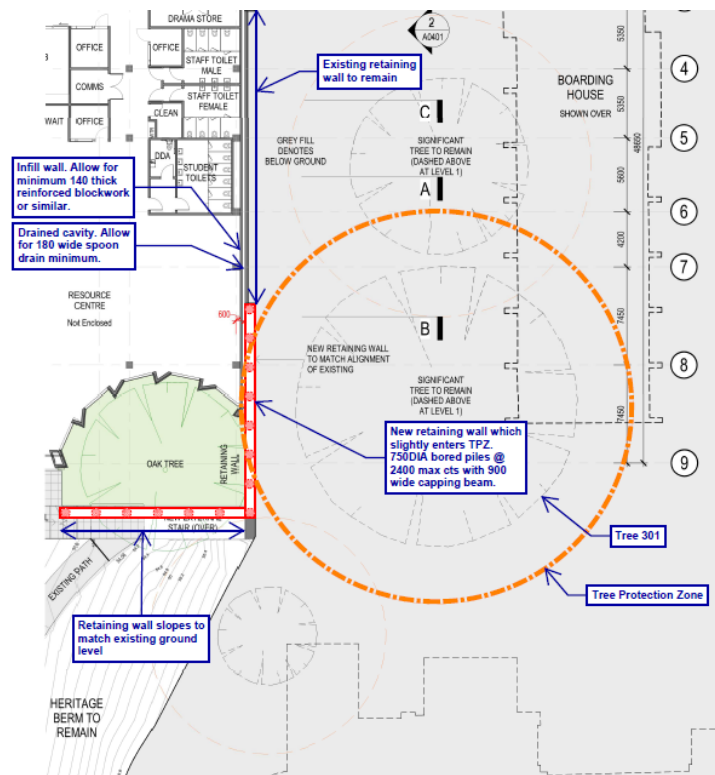


Figure 1. Excerpt from retaining wall detail (PS124859-20210719). (Client, July 2021).

This letter is to be submitted as an addendum to the accompanying AIA (Arboricultural Impact Assessment – C92266, July 2021) as pertains to the site.



Tree 301 – TPZ Encroachment and retaining wall construction

Figure 1 is an excerpt from the retaining wall detail plan which shows the construction of a new retaining wall to the west of Tree 301. In keeping with root sensitive design, the wall is to be constructed using piles so as to avoid the need for slot trenching/excavation.

Where additional generic tree protection controls are observed (refer to AIA), retaining wall installation (as per the supplied plans) would not be considered detrimental to the post project viability of Tree 301. Any variation to this proposal will need to be reviewed by the project arborist in advance of works.

Tree 321* – TPZ Encroachment and suspended slab construction

*ArborSafe Tree number 321 is listed as Tree 228 within the City of Boroondara Significant Tree Study (John Patrick Landscape Architects, 2019).

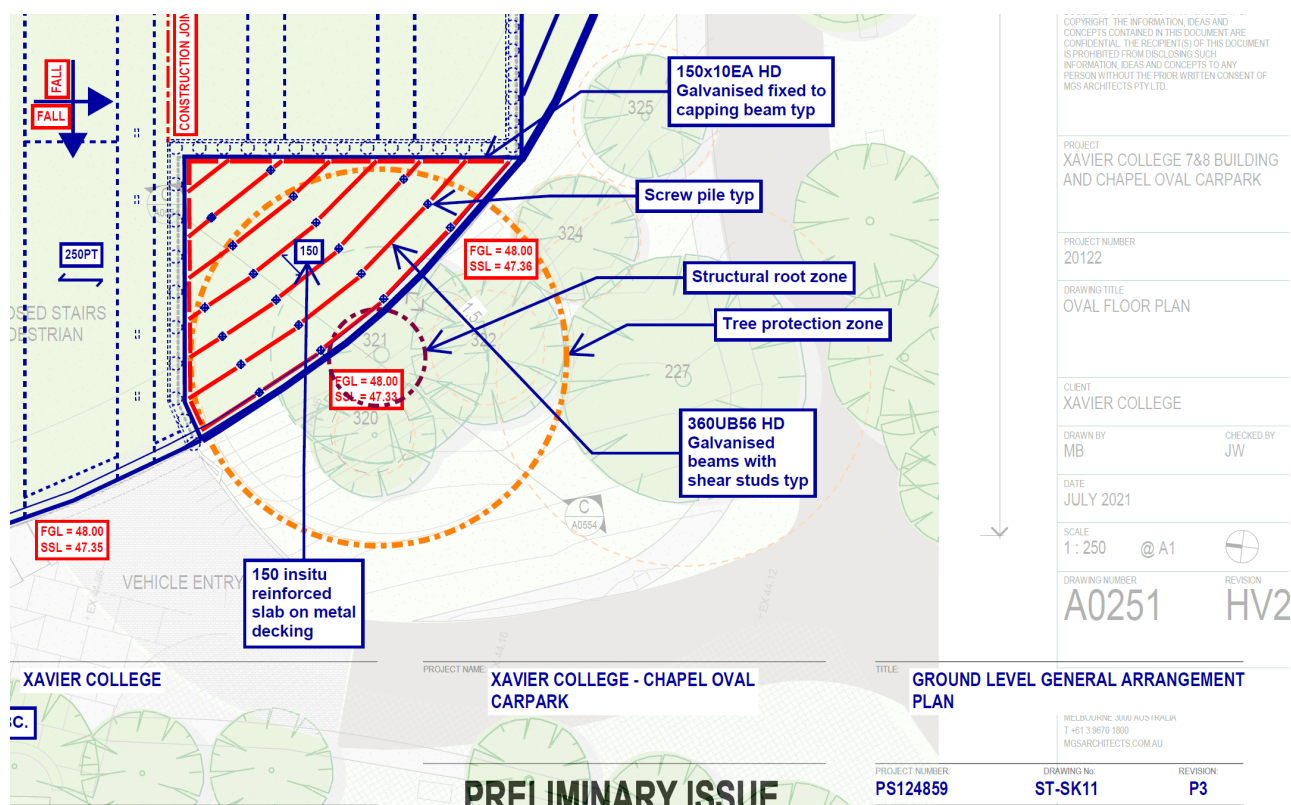


Figure 2. Excerpt from general arrangement plan (A0251 HV2). (Client, July 2021).

Figure 2 is an excerpt from the general arrangement (ground level) plan which shows the construction of a suspended slab to north-east of Tree 321. In keeping with root sensitive design, the slab is to be constructed using a reinforced slab over metal decking (galvanised pier and beam) so as to avoid the need for slot trenching/excavation.

It is recommended that mulching (seasoned tree mulch or similar) be installed to a depth of 75mm extending to the edge of the TPZ (where practicable) and that an irrigation/reticulation system be installed (by a competent person) within the area to be covered by the suspended slab. Aftercare periods, irrigation frequencies and volumes, and additional plant health care (PHC) measures are to be determined by the project arborist post (slab) installation.

Where PHC measures (i.e. mulching and irrigation), the supervision of pier placement (by the project arborist) and additional generic tree protection controls (refer to AIA) are observed, suspended slab installation (as per the supplied plans) would not be considered detrimental to the post project viability of Tree 321. Any variation to this proposal will need to be reviewed by the project arborist in advance of works.

Conclusion

Where proposed excavation works (as per supplied plans *PS124859-20210719* and *A0251 HV2* - July 2021) are located within the documented TPZs of Trees 301 and 321, and as such represent a TPZ encroachment (refer to AIA), the proposed encroachment shall be considered acceptable where:

- Other relevant generic tree protection measures (as listed in AIA) can be met, and
- Where all proposed excavations within the TPZ are undertaken in a root sensitive manner (e.g. manually dug and/or through the use of a hydrovac/air spade), and
- Where excavations within the TPZ are undertaken under the direct supervision (or with the expressed consent) of the project arborist, with
- PHC measures (i.e. mulching and irrigation) installed by competent person(s) and documented by the project arborist post installation (but before project sign-off).

Where the project arborist deems that excessive root damage will occur as associated with the above excavations, pier relocation and/or repositioning may be required.

Please feel free to contact me directly should you require further guidance or clarification regarding these recommendations.

Regards,



Nick Arnold

Consulting Arborist