

JACKSONS NATURE WORKS

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Ms L Kiang
33 – 35 Church Street
Randwick NSW 2031

14th May 2024

Dear Siew,

RE: Arborist services at 33 – 35 Church Street, Randwick – The Site.

1. Background

It is intended to lodge a Section 4.55 Application to vary the building approved in DA/617/2021.

The same tree details and numbers used for the above approval will be used in this report – refer Annexure A.

2. The following documents have been reviewed for this report:

- Detail survey by Cibar Surveying Pty Ltd dated 4.3.2021.
- Architectural plans by Couvaras Architects dated 16.6.2022.
- Randwick Local Environmental Plan 2012 (LEP); &
- Australian Standard AS 4970 – 2009 Protection of trees on development sites.

To demonstrate the retention of Trees 4, 5, 6 & 7 a root mapping excavation was undertaken on 8.6.2022.

3. The following trees will be retained as part of this application:

- a. Tree 1 *Tristaniaopsis laurina*.
- b. Tree 1A *Elaeocarpus reticulatus*.
- c. Tree 3a & 3b *Plumaria rubra* var. *acutifolia*.
- d. Tree 4 Unknown tree.
- e. Tree 5 *Syagrus romanzoffiana*.
- f. Tree 6 *Schefflera acutifolia*.
- g. Tree 7 *Cupaniopsis anacardioides*.

Note these trees for retention and protection in the Tree Management Plan (TMP).

4. To demonstrate the retention of Trees 4, 5, 6 & 7 a root mapping investigation was undertaken on 8.6.2022.

The trenches were dug by hand to locate any root material from these trees.

Trench 1 on site opposite Trees 4, 5 & 6 – refer plate 1:



Plate 1: Trench 1.



Plate 2: Trench 2 from the end of Trench to the rear boundary.



Plate 3: Trench 3 on site opposite Tree 7.

Root material found in trench 1 (length 4m):

1. Root 1 at 300mm x 200mm deep x 35mm.
2. Root 2 at 700mm x 200mm deep x 4x10mm.
3. Root 3 at 1.2m x 150mm deep x 2 x 15mm.
4. Root 4 at 1.6m x 200mm deep x 2x20mm.
5. Root 5 at 2.8m x 100mm deep x 1x15, 1x25mm.
6. Root 6 at 3.0m x 250mm deep x 30mm.



Plate 4: Roots 1 – 4



Plate 5: Roots 4 – 5.



Plate 6: Roots 6.

Root material found in trench 2 (length 3m):

1. Root 1 at 400mm x 300mm deep x 20mm.
2. Root 2 at 700mm x 350mm deep x 15mm.
3. Root 3 at 1.2mm x 250mm deep x 10, 15mm.
4. Root 4 at 1.6mm x 250mm deep x 10 & 15mm.
5. Root 5 at 1.9 x surface x 15mm



Plate 7: Roots in trench 2.

Root material found in trench 3 (length 2m) opposite Tree 7:

1. Concrete 0.0m – 0.5m at 300mm.
2. Root 1 at 600mm x 300mm deep x 10mm.
3. Root 2 at 900mm x 200mm deep x 10mm.



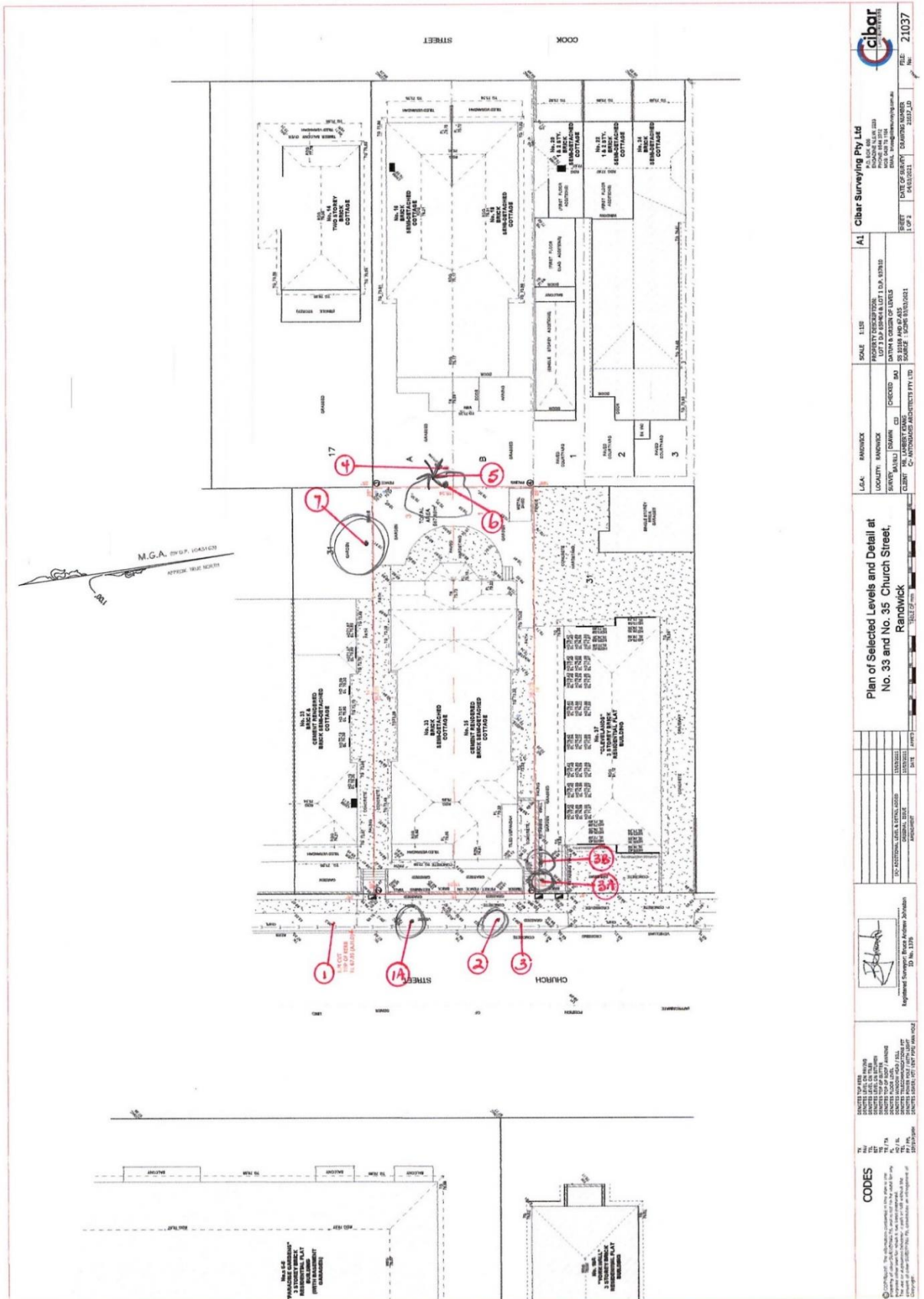
Plate 8: Roots in trench 3.

5. The following recommendations can be advised:
- Retain the following trees: Trees 1, 1A, 3a, 3b, 4, 5, 6 & 7.
 - Install the following Tree Protection Measures around the retained street tree: Tree 1 & 1A, tree protection measures shall be a temporary fence of chain wire panels 1.8 metres in height (or equivalent), supported by steel stakes or concrete blocks as required and fastened together and supported to prevent sideways movement. Existing boundary fences or walls are to be retained shall constitute part of the tree protection fence where appropriate. A sign is to be erected on the tree protection fences of the trees to be retained that the trees are covered by Council's tree preservation orders and that "No Access" is permitted into the tree protection zone – refer Annexure D.
 - Install the following Tree Protection Measures around the retained trees: Trees 1, 1A, 3A, 3B, 4, 5, 6 & 7, tree protection measures shall be a temporary fence of chain wire panels 1.8 metres in height (or equivalent), supported by steel stakes or concrete blocks as required and fastened together and supported to prevent sideways movement. A sign is to be erected on the tree protection fences of the trees to be retained that the trees are covered by Council's tree preservation orders and that "No Access" is permitted into the tree protection zone – refer Annexure D.
 - That a Tree Management Plan be prepared as part of the Construction Certificate by a consulting arborist who holds the Diploma in Horticulture (Arboriculture), Level 5 or above under the Australian Qualification Framework.
 - An AQF Level 5 Project Arborist shall be engaged to supervise the building works and certify compliance with all Tree Protection Measures.
 - That the Sect 4.55 building location will not adversely affect Trees 4, 5, 6 & 7.
 - The tree location plan can be found on Annexure A.
 - The tree impact plans can be found on Annexure B with minor increase in the extent of encroachments.
 - The encroachment within the TPZ of Trees 4 has increased to 4.3%, 5 <10%, 6 <10% and tree 7 has increased to 17.2% which is considered to be acceptable and the root mapping has demonstrated the encroachment will not impact the stability & longevity of these trees.

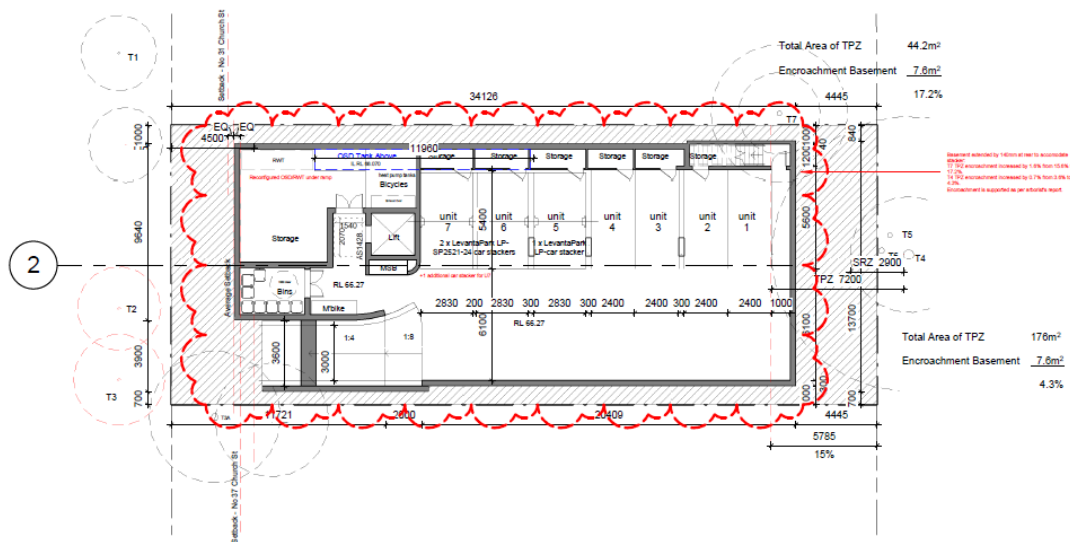


Ross Jackson M.A.A. & M.A.I.H.
Consulting Arborist 1695
Graduate Certificate in Arboriculture AQF Level 8 (Honours)
Diploma Horticulture (Arboriculture) – AQF Level 5
Certificate 3 in Horticulture (Arboriculture) – AQF Level 3
Certificate in Horticulture (Landscape – Honours)

Annexure A: Tree location plan



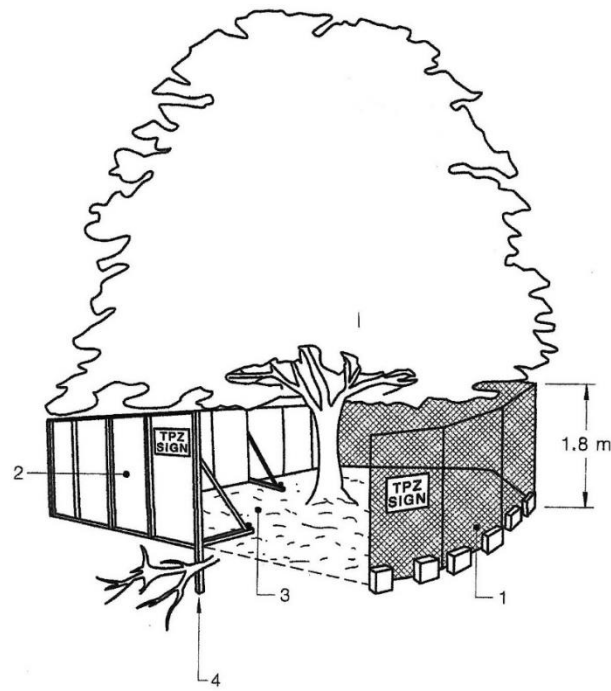
Annexure B: Tree impact plan



1. Basement
Scale 1 : 200

Issue	Description	Date	SECTION 4.56 APPLICATION	 >ARCHITECTS	<p>>A Level 1, 95 Cronulla Street, Cronulla NSW 2230 >ABN 86 680 152 198 >T 02 9527 7459 >E architects@couvaras.com >W www.couvaras.com.au Nominated Architect: Peter Couvaras Reg No 7544</p> <p>Figured dimensions only to be used. Do not scale off drawings. Any discrepancies to be verified on site with architect.</p>	<p>North</p> 	Drawing Name Basement	33-35 Church St, Randwick	Scale 1 : 200 @ A3	11 July 2023	Project 21004
Z	revised for council	03/11/23									Issue
AA	Client Review	18/01/24									Issue AD
AB	Client Review	29/01/24									Sheet
AD	Client Review	11/03/24									02

Annexure C: Tree protection



LEGEND:

- 1 Chain wire mesh panels with shade cloth (if required) attached, held in place with concrete feet.
- 2 Alternative plywood or wooden piling fence panels. This fencing material also prevents building materials or soil entering the TPZ.
- 3 Mulch installation across surface of TPZ (at the discretion of the project arborist). No excavation, construction activity, grade changes, surface treatment or storage of materials of any kind is permitted within the TPZ.
- 4 Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots.

FIGURE 3 PROTECTIVE FENCING