

18 February 2021

Calvin Chong
Glenvill
480 Church Street,
Cremorne 3121

Dear Calvin,

RE: Site inspection 17 February 2021

I advise the following in relation to the inspection of trees along the corridor in response to Amcor observations of soil cracking on 16.02.21

A site inspection was undertaken on Wednesday 17 February 2021.

The cracking appears to be a relatively minor extension of an area already fenced off with fluoro-para webbing, i.e. an area that is already identified as a slumping risk. The most significant of the new cracks has appeared in the path ~0.5m north of the eastmost extent of the para-webbed area. The other path cracks are comparatively smaller but extend a further ~6.4m to the east.

In terms of adjacent trees, the two closest trees to the new cracking are Trees 81 and 103.

The largest crack is ~7.1m south of Tree 103, while the eastmost cracking is 7.7m west of Tree 81. The approximate location of the observed cracking relative to the two trees is shown in Figures 1 & 2.



Figures 1&2. Approximate length of soil cracking (yellow dashed line) relative to the closest of the assessed trees. Red circles indicate SRZs.



Image 1. Taken from next to Tree 81 (left) looking west. The red dotted line shows the approximate length of the newly appeared soil cracking.



Image 2. Looking west, with arrow pointing to the largest of the newly appeared soil cracking, next to the existing para-webbed exclusion zone.

Details of the two trees are as follows:

Tree 103 is a maturing Algerian Oak (*Quercus canariensis*) growing in the terrace area (Image 4). It was previously assessed as having poor health and this is still the case, with no live foliage observed. It is currently part of the Reeds monitoring program, which has thus far not detected any unusual movement in the lean of the tree.

Trees 81 is a maturing River Red Gum (*Eucalyptus camaldulensis*) growing on the riverbank (Image 3). It exhibited fair and typical health and structural characteristics. It is not part of the Reeds monitoring program.

There were no observations indicating change of lean or root plate instability in either of the trees.



Images 3&4. Image on left shows Tree 81, Image on right Tree 103 and its location relative to the newly appeared soil cracking.

Discussion

The cracks appear to be an extension of an area already flagged due to its past slumping and presumably due to its potential for further soil instability. Thus far, the newly formed cracks are of a sufficient distance from the nearest significant trees (Trees 103 & 81) to warrant any immediate concern, i.e cracks are well outside the SRZs of both trees, so the root plates and structural roots of both trees are not expected to be impacted.

Regardless, it is recommended that Tree 81 be included in the Reeds monitoring program in case the issue worsens. Lean monitoring should continue on a monthly basis.

Should you require any further information or clarification please do not hesitate to contact me.

Yours Sincerely,

A handwritten signature in black ink, appearing to read "Harry Webb".

Harry Webb | Consulting Arborist

MSc.(Botany), Grad. Cert. Arb.

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Arboricultural Consultancy:

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