

Arboricultural Comment

Date: 21 November 2017.
Ref: 90900.

Dear Peter Ibrahim,

Re: Review of additional information relating to the installation of an Ausgrid electrical kiosk adjacent one *Lophostemon confertus* (Brush Box) located within the property of Wenona School.

At the request of EPM Projects Pty Ltd a review of additional information has been undertaken in relation to the positioning of the electrical kiosk adjacent to one *Lophostemon confertus* (Brush Box) located within the property of Wenona School.

During August and October of this year an on-site inspection of the tree, discussion of the proposed kiosk location and root mapping works were undertaken. It has since been advised that the following works and amendments are required to establish the kiosk and its associated easement:

- Positioning of the kiosk and easement is 650mm south of its original alignment
- Excavation of the kiosk easement to a depth of 720mm to 1080mm
- Excavation of supporting piers to a depth of 1860mm to 1980mm
- Earth rods installed to a depth of 5.4m

As described within the Root Mapping Report, dated 04/10/17, Ref-90002, no significant roots were found along the previously proposed kiosk alignment (1.35m from the base of the tree) within the top 500mm of soil.

With respect to the re-positioning of the kiosk and as stated within the Arboricultural Comment, dated 28 August 2017, Ref 89167 *"Positioning the kiosk closer to the base of the tree increases the chances of encountering and impacting upon significant structural roots. A need to sever these roots may potentially affect the stability of the tree and/or impact upon its health and condition."* As such, it is

recommended that further non-destructive exploratory excavation is undertaken along the closest line of the kiosk easement to its full depth of 720mm to 1080mm.

Tree roots exposed by these works are to be assessed by the project arborist and managed in accordance with any recommendations. There should be enough flexibility in the design to reposition the supporting piers and earth rods if significant tree roots are located.

A minimum clearance of 100mm is to be given between any retained roots and the proposed structure to allow for secondary thickening as part of normal tree growth. Given the current health, condition, site constraints and age class of the tree its root system is not expected to extend or enlarge beyond its existing size.

When all root issues have been addressed and the final location of the kiosk and associated easement determined bulk excavation works may be undertaken.

I trust the information provided is of help, however, please feel free to contact me should you require any further assistance.

Regards.

Owen Tebbutt



Consulting Arborist
Plateau Tree Service