Friday 18 March 2022

Perry Milledge
Senior Project Design Manager
Mirvac
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Dear Perry,

Waterloo Metro Quarter- Building 2

Re: Deep soil provisions fronting Botany Road

The City of Sydney; Sydney landscape Code, Volume 2 notes the following except requirement for deep soil provision:
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DEEP SOIL
Methods and considerations for the provision of deep soil zones within your development include:
*• providing consolidated and contiguous areas of free draining, deep soil with a **minimum dimension of 3m** (ADG 2015)*

The proposed deep soil area along the Botany Road frontage of Building 2 tapers from 2.92m width at the northern end of the site, to 2.33m width at the southern end of the site. Refer drawing below.

We acknowledge that the proposed deep soil area does not maintain the requirement for 3m minimum. The width of this deep soil area is constrained by maintaining a minimum 3m wide footpath and clear zone for pedestrian movement around a bus stop shelter located at the southern end of the street. We considered a strip of permeable paving to the boundary, but felt this was not an appropriate design solution in an area with high pedestrian movements.

The deep soil zone is a continuous 49.96m linear system, area 131m2, consisting of raingarden and permeable pavement. Rainwater runoff from the adjacent pavement to the east is drained to the planted area. The deep soil zone is located so that large trees are providing useful shade and amenity to the streetscape, and to mitigate the scale of the development. We are confident that the soil area as a contiguous system will be sufficient to support the 7 *Robinia pseudoacacia* trees proposed.

Yours sincerely

Natalie Bernuetz
Senior Associate

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