

3E Tree canopy cover

Objectives:

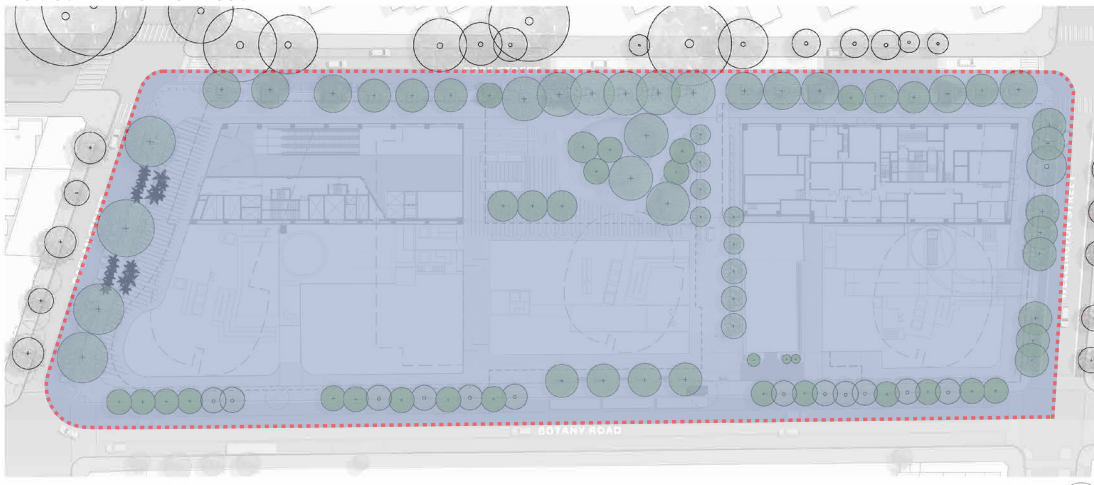
1. Mitigate the impacts of urban heat island effect through the provision of tree planting and soft surface areas
2. Enhance the biodiversity of the site through providing a range of native species and opportunities for urban habitat

Design criteria:

1. New street tree planting must be consistent with the City of Sydney's *Street Tree Master Plan 2011* (updated 2015)
2. The development must achieve the following minimum tree canopy cover targets:
 - **23% overall canopy cover** (i.e. the combined canopy area of all trees contained within the site and adjacent streets measured to the centre line of the roads)
 - **50% street canopy cover** (i.e. the combined area of all tree canopy contained within the road reserve including footpaths and pedestrian areas and measured from the property boundary to the centreline of the adjoining roads)
3. Street trees are to be planted along the Botany Road frontage of the site and match the alignment of the existing street trees (which varies between 650mm and 1 m setback from the kerb). A 1m setback from the kerb is preferred.
4. A secondary alignment of trees are to be provided set further back from Botany Road in front of the central podium near the bus stop

Design guidance:

1. New tree planting in the public domain should be consistent with the following:
 - Species selected should be endemic to Sydney to create diversity within plant families, genera and species
 - Locally indigenous species should be selected wherever possible and prudent
 - Species are to be selected that prosper in slightly warmer climates to cater for climate change
2. Consult with City of Sydney and obtain their agreement for any tree planting within Council owned land.

23% OVERALL CANOPY COVER

Total site area: 18,952m²

Total canopy cover: ~4,359m² (i.e. 23%)

50% STREET CANOPY COVER

Total street area: 6,084m²

Total canopy cover: ~3,042m² (i.e. 50%)

Figure 18 – Indicative tree canopy planting strategy

Source: Turner Studio