



Cottesloe Urban Microforest

A once underutilised walled front garden in Cottesloe has been transformed into an **urban microforest**, creating a **cool, immersive refuge** from the surrounding streetscape. Previously exposed to traffic noise and harsh conditions, the space now offers a **sheltered landscape** that reconnects the home with nature while **enhancing the experience of everyday living**.

Cultivate + co. role: Lead Landscape Architect

Deliverables:

- Site Consultation
- Design Development
- Landscape Plan
- Planting Plan + Plant Schedule



Healthy Landscape

PHYSICAL HEALTH This micro forest will help to reduce traffic noise and limit both noise and air pollution entering the residence, supporting a healthier living environment for its inhabitants. Studies have shown prolonged traffic noise pollution can cause chronic stress, sleep disruption and cognitive impairment.

MENTAL HEALTH This micro forest will provide enjoyment through quiet reflection and a meaningful connection with nature.



Resilient Landscape

CLIMATE RESILIENCY Once established, the micro forest will create an abundance of shade, with up to 80% tree canopy cover, to help mitigate the urban heat island effect.

WATER EFFICIENCY Dripline irrigation has been installed for use during the plant's establishment phase and over periods of extreme heat.



Biodiverse Landscape

SPECIES DIVERSITY 13 trees (6 different species) densely planted within this relatively small space to create this urban microforest. Selected native tree and shrub species adapted to the nutrient-poor Cottesloe complex sandy soils, with minimal soil amendments required.

SUPPORTS LOCAL FAUNA Incorporating known foraging tree species for the endangered Carnaby Cockatoo.



Intelligent Landscape

PLANT ACOUSTICS Clever positioning of the *Casuarina equisetifolia* next to the sitting area takes advantage of its unique rustling in the wind, providing a calming soundscape while dampening traffic noise.