



**URBAN TREE CANOPY TARGETS & DEVELOPMENT
CONTROLS REPORT**
APPENDIX C:
PUBLIC LAND TESTING

Prepared for
NSW DEPARTMENT OF PLANNING, INDUSTRY AND ENVIRONMENT

by

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& **STUDIO
ZANARDO**

4th November 2021

PARKS

PUBLIC LAND TESTING PARKS



Existing: Analysis of tree canopy

SURRY HILLS

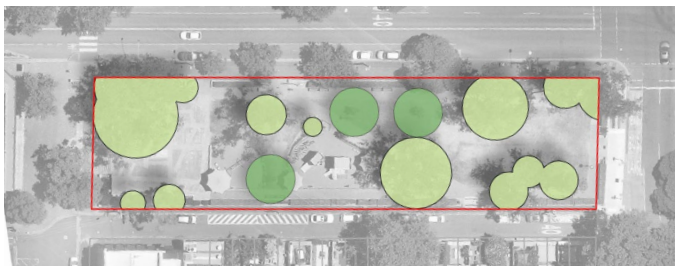
City of Sydney

DP number: DP93609

Lot area: 0.2 ha / 2264 m²

Existing tree canopy 5m dia. & above: 31%

Existing tree canopy 3m diam to 4.99m dia.: 1%



Option 1:

Option 1:

Tree canopy: 40% site area

- 3 x 10m diameter trees



Option 2:

Option 2:

Tree canopy: 45% site area

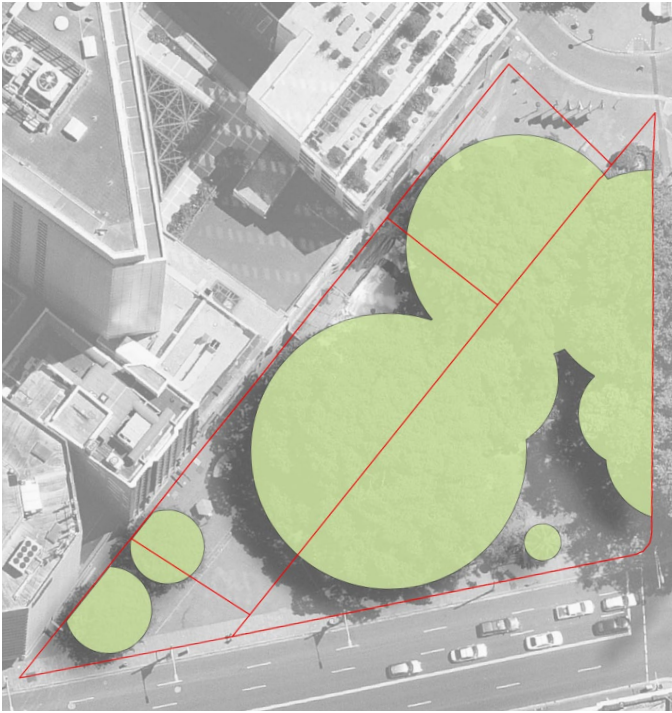
- 5 x 10m diameter trees

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:750@A4

PUBLIC LAND TESTING PARKS



Existing: Analysis of tree canopy

SYDNEY

City of Sydney

DP number: DP 838060, DP758942, DP93668

Lot area: 0.3 ha / 3335 m²

Existing tree canopy 5m dia. & above: 69% site area

Sports fields: 0% site area

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:500@A4

PUBLIC LAND TESTING PARKS



Existing: Analysis of tree canopy



Option 1:



Option 2:

DOONSIDE

Blacktown City Council

Lot area: 0.99 ha / 9994 m²

DP number: DP752051

Existing tree canopy 5m dia. & above: 16% site area
area Sports fields: 40% site area

Option 1:

Tree canopy: 40% site area

- 37 x 10m diameter trees.

Option 2:

Tree canopy: 45% site area

- 37 x 10m diameter trees.
- 21 x 8m diameter trees.

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:400@A4

PUBLIC LAND TESTING PARKS



Existing: Analysis of tree canopy

MIRANDA

Sutherland Shire Council

Lot area: 1.31 ha / 13160 m²

DP number: DP570622, DP566645

Existing tree canopy 5m dia. & above: 40% site area

Existing tree canopy 3m diam to 4.99m dia.: 3% site area

Sports fields: 0% site area



Option 1:

Option 1:

Tree canopy: 45% site area

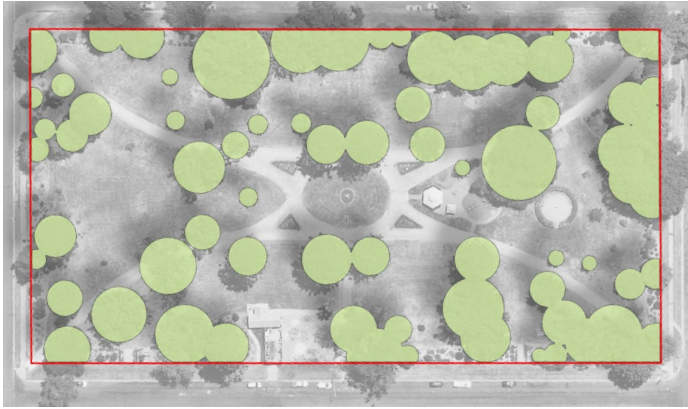
- 3 x 10m diameter trees

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:1500@A4

PUBLIC LAND TESTING PARKS



Existing: Analysis of tree canopy

WAGGA WAGGA

Wagga Wagga City Council

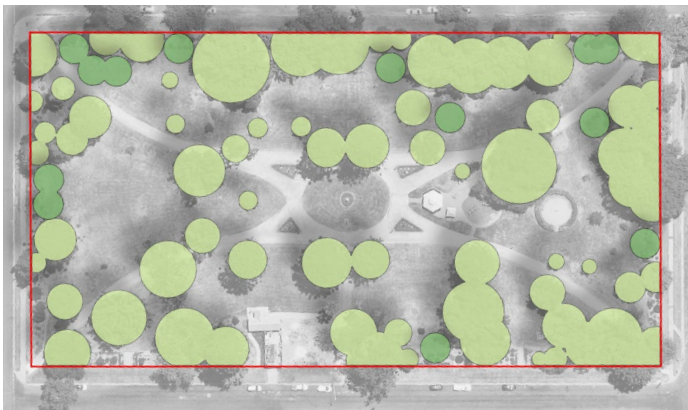
Lot area: 2.14 ha / 21403 m²

DP number: DP1154172

Existing tree canopy 5m dia. & above: 41% site area

Existing tree canopy 3m diam to 4.99m dia.: 1% site area

Sports fields: 0% site area

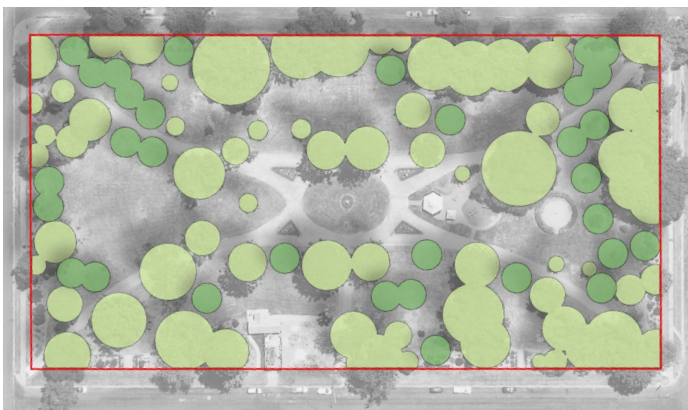


Option 1:

Option 1:

Tree canopy: 45% site area

- 13 x 10m diameter trees



Option 2:

Option 2:

Tree canopy: 50% site area

- 28 x 10m diameter trees

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:1200@A4

PUBLIC LAND TESTING PARKS



Existing: Analysis of tree canopy



Option 1:



Option 2:

SOUTH TAMWORTH

Tamworth Regional Council

Lot area: 3.45 ha / 34487 m²

DP number: DP791617

Existing tree canopy 5m dia. & above: 7% site area

Existing tree canopy 3m diam to 4.99m dia.: 1% site area

Sports fields: 44% site area

Option 1:

Tree canopy: 40% site area

- 159 x 10m diameter trees.
- 11 x 8m diameter trees.

Option 2:

Tree canopy: 45% site area

- 195 x 10m diameter trees.

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:1200@A4

PUBLIC LAND TESTING

:PARKS



Existing: Analysis of tree canopy



Option 1:



Option 2:

LIVERPOOL

Liverpool City Council

Lot area: 3.46 ha / 34655 m²

DP number: DP1056246, DP752060

Existing tree canopy 5m dia. & above: 20% site area

Existing tree canopy 3m diam to 4.99m dia.: 1% site area

Sports fields: 6% site area

Option 1:

Tree canopy: 40% site area

- 93 x 10m diameter trees.

Option 2:

Tree canopy: 45% site area

- 124 x 10m diameter trees.

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:1200@A4

PUBLIC LAND TESTING PARKS



Existing: Analysis of tree canopy

CAMPERDOWN

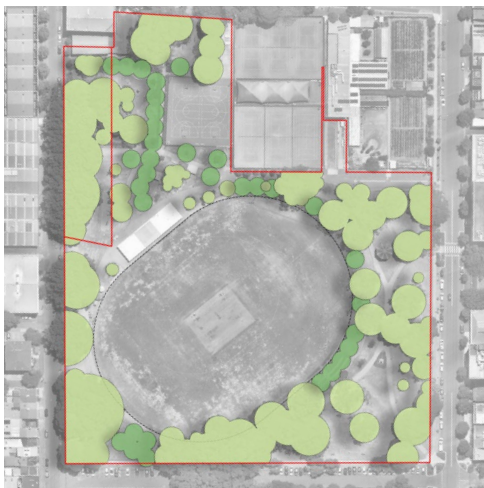
Inner West Council

Lot area: 3.7 ha / 37077 m²

DP number: DP1167802, DP724199

Existing tree canopy 5m dia. & above: 33% site area

Sports fields: 37% site area

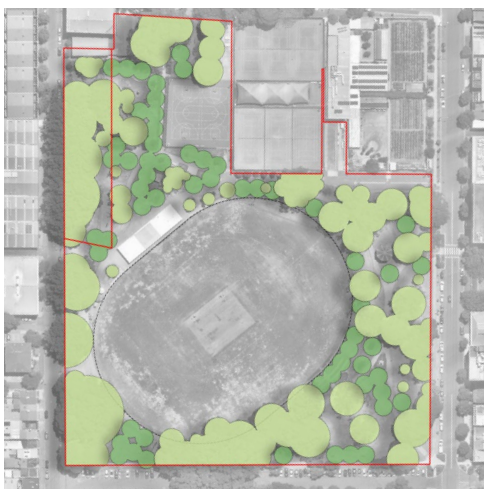


Option 1:

Option 1:

Tree canopy: 40% site area

- 33 x 10m diameter trees.



Option 2:

Option 2:

Tree canopy: 45% site area

- 59 x 10m diameter trees.

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:1200@A4

PUBLIC LAND TESTING PARKS



Existing: Analysis of tree canopy

MAROUBRA

Randwick City Council

Lot area: 3.48 ha / 34801 m²

DP number: DP752015, DP1218889

Existing tree canopy 5m dia. & above: 18% site area

Sports fields: 45% site area



Option 1:

Option 1:

Tree canopy: 40% site area

- 128 x 10m diameter trees.



Option 2:

Option 2:

Tree canopy: 45% site area

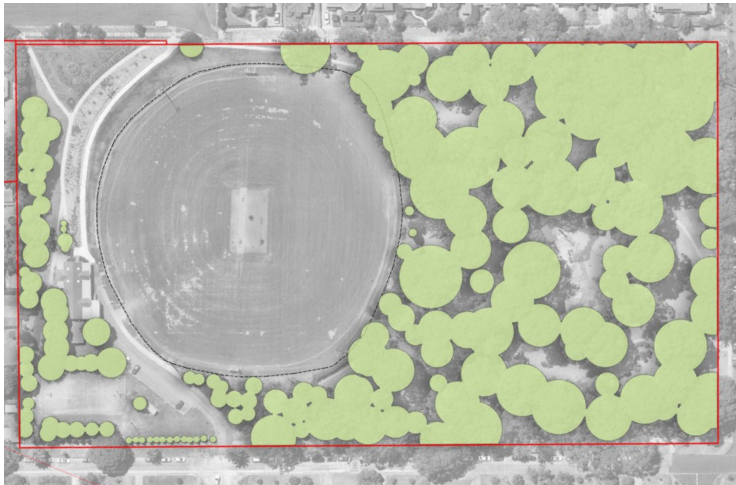
- 136 x 10m diameter trees.
- 6 x 8m diameter trees.

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:1500@A4

PUBLIC LAND TESTING PARKS



Existing: Analysis of tree canopy

CHATSWOOD

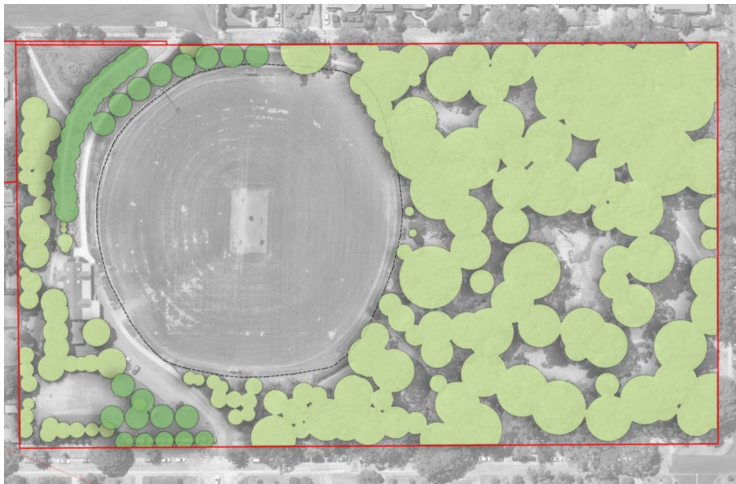
Willoughby City Council

Lot area: 4.52 ha / 45229 m²

DP number: DP1066043

Existing tree canopy 5m dia. & above: 46% site area

Sports fields: 29% site area



Option 1:

Option 1:

Tree canopy: 50% site area

- 34 x 10m diameter trees.

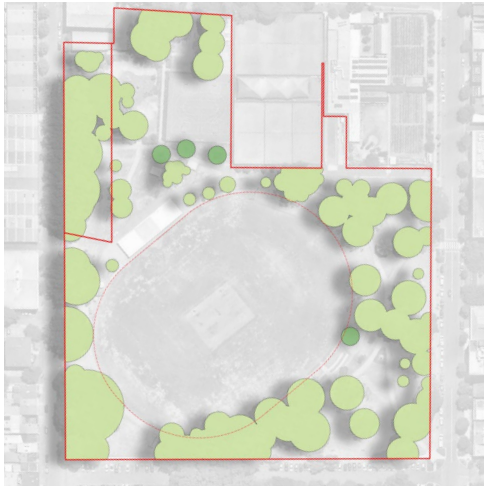
- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil



Scale 1:1500@A4

PUBLIC LAND TESTING PARKS

ADDITIONAL TESTING APPLYING THE FOLLOWING TARGET.
In parks where fields and courts comprise over 30% of the park space, the remaining park area should accommodate 55% tree canopy.



CAMPERDOWN

Inner West Council

Lot area: 3.7 ha / 37077 m²

DP number: DP1167802, DP724199

Existing tree canopy 5m dia. & above: 33% site area

Sports fields: 37% site area



Scale 1:1200@A4



SOUTH TAMWORTH

Tamworth Regional Council

Lot area: 3.45 ha / 34487 m²

DP number: DP791617

Existing tree canopy 5m dia. & above: 7% site area

Existing tree canopy 3m diam to 4.99m dia.: 1% site area

Sports fields: 44% site area



Scale 1:1200@A4



MAROUBRA

Randwick City Council

Lot area: 3.48 ha / 34801 m²

DP number: DP752015, DP1218889

Existing tree canopy 5m dia. & above: 18% site area

Sports fields: 45% site area

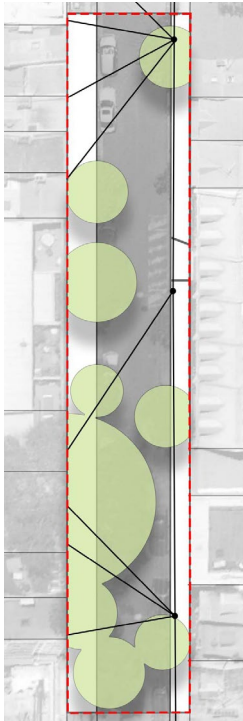


Scale 1:1750@A4

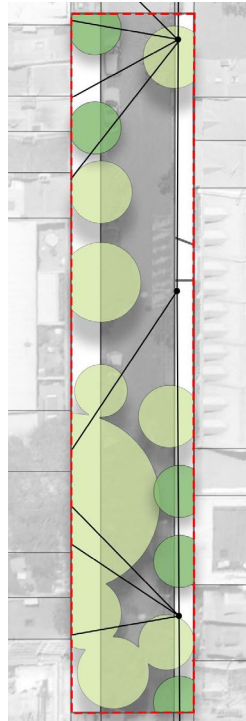
- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil

STREETS

PUBLIC LAND TESTING STREETS



Existing: 40% tree canopy



Option 1: 49% tree canopy

SURRY HILLS

City of Sydney

Overhead power lines: Yes

Reserve width: 12m

Carriageway width: 7.3m

Verge 1: 3m

Verge 2: 2m

Existing tree canopy 5m dia. & above: 40% site area



Existing: 65% tree canopy



Option 1: 75% tree canopy

NEWINGTON

City of Parramatta

Overhead power lines: No

Reserve width: 12m

Carriageway width: 5.5m

Verge 1: 4m

Verge 2: 3m

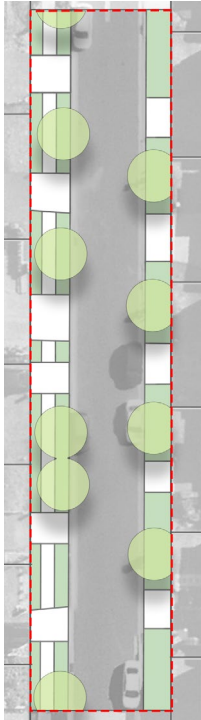
Existing tree canopy 5m dia. & above: 65% site area



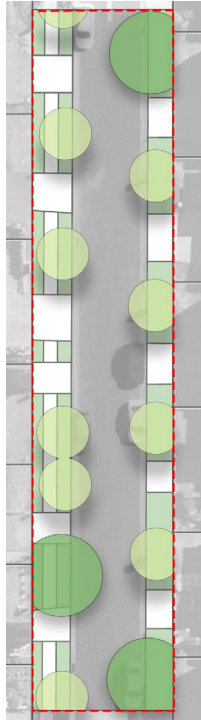
- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil

Scale 1:750@A4

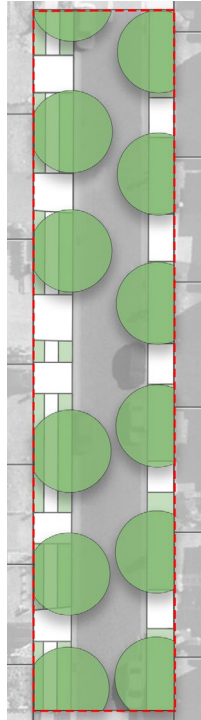
PUBLIC LAND TESTING STREETS



Existing: 18% tree canopy



Option 1: 29% tree canopy



Option 2: 48% tree canopy

SPRING FARM

Camden Council

Overhead power lines: No

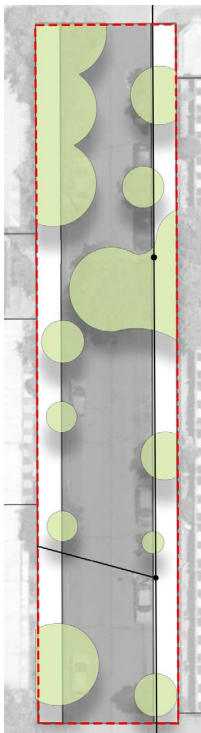
Reserve width: 14m

Carriageway width: 7.5m

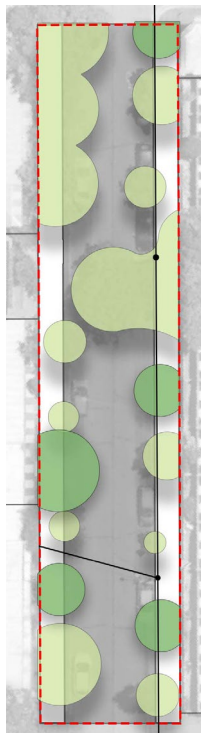
Verge 1: 4m

Verge 2: 2.5m

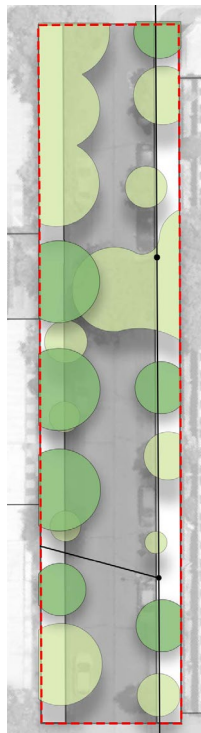
Existing tree canopy 5m dia. & above: 18% site area



Existing: 33% tree canopy



Option 1: 44% tree canopy



Option 2: 49% tree canopy

GLEBE

City of Sydney

Overhead power lines: Yes

Reserve width: 14m

Carriageway width: 9m

Verge 1: 2.5m

Verge 2: 2.5m

Existing tree canopy 5m dia. & above: 33% site area



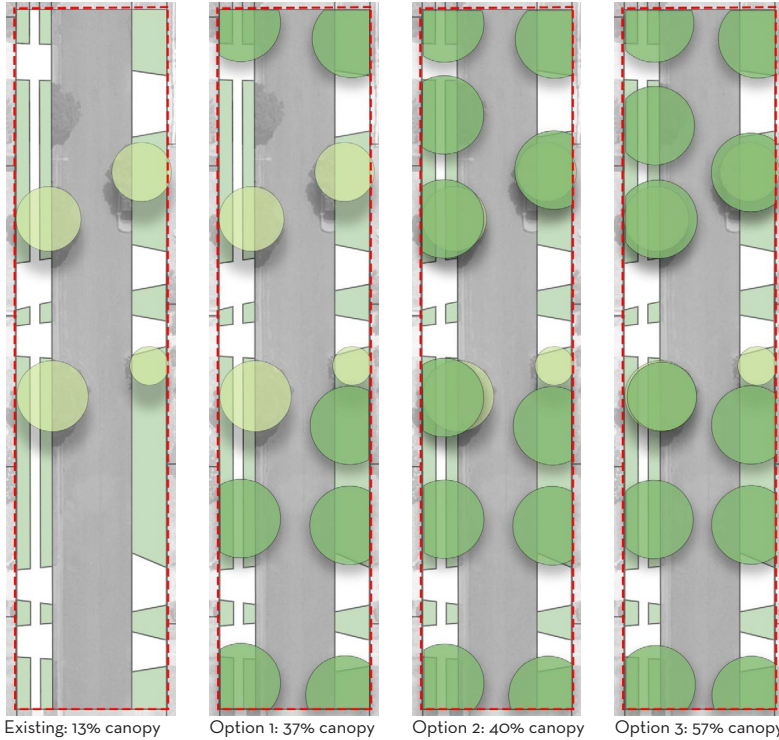
— Study boundary

● Existing tree in deep soil (>3m dia)

● Proposed tree in deep soil

Scale 1:750@A4

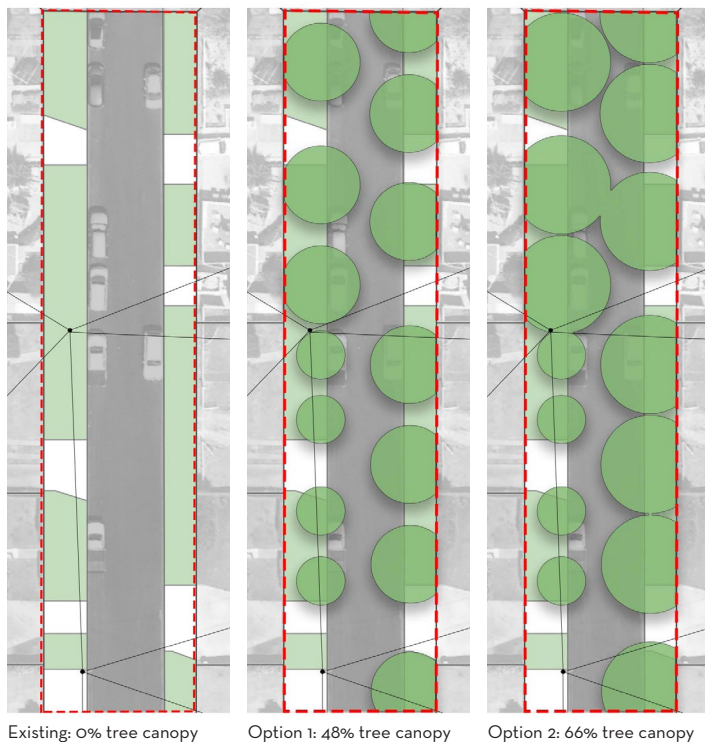
PUBLIC LAND TESTING STREETS



HINCHINBROOK

Liverpool City Council

Overhead power lines:	No
Reserve width:	15m
Carriageway width:	8m
Verge 1:	3.5m
Verge 2:	3.5m
Existing tree canopy 5m dia. & above:	13% site area



PORT MACQUARIE

Port Macquarie-Hastings Council

Overhead power lines:	Yes
Reserve width:	15m
Carriageway width:	8m
Verge 1:	5m
Verge 2:	2m
Existing tree canopy 5m dia. & above:	0% site area

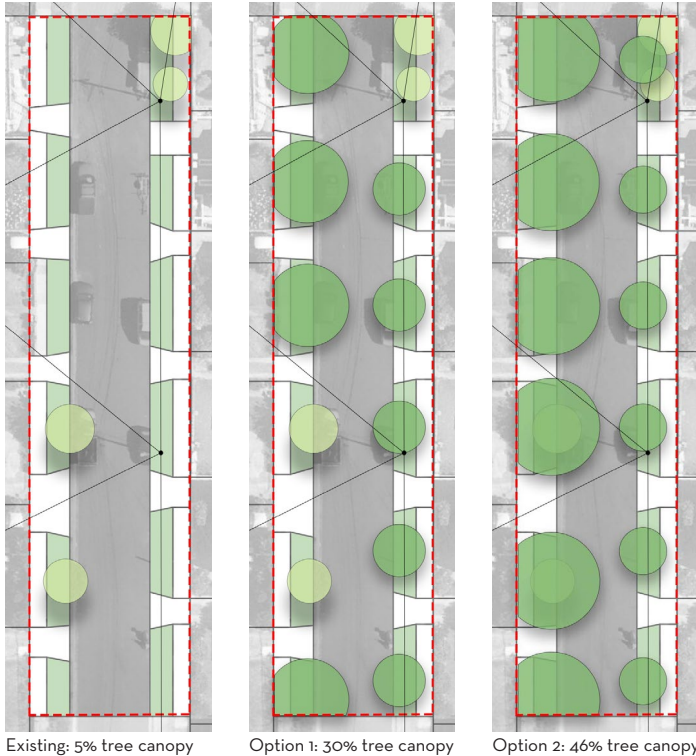


- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil

Scale 1:750@A4

PUBLIC LAND TESTING

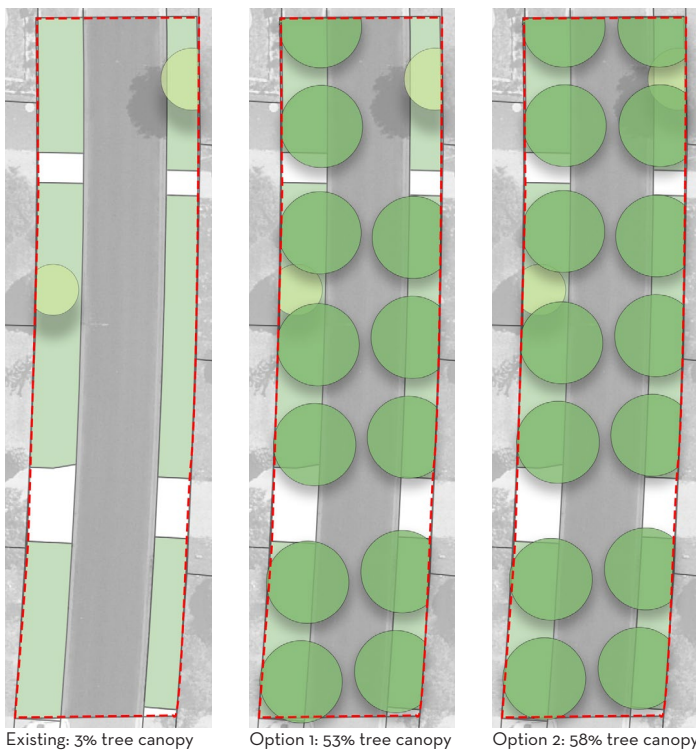
STREETS



RUSSELL LEA

City of Canada Bay

Overhead power lines:	Yes
Reserve width:	16m
Carriageway width:	8m
Verge 1:	4m
Verge 2:	4m
Existing tree canopy 5m dia. & above:	5% site area



DUBBO

Dubbo Regional Council

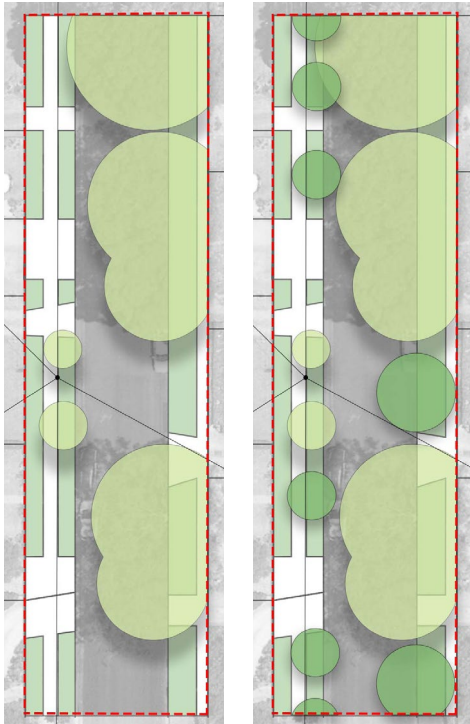
Overhead power lines:	No
Reserve width:	16m
Carriageway width:	8m
Verge 1:	4.4m
Verge 2:	3.6m
Existing tree canopy 5m dia. & above:	3% site area



- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil

Scale 1:750@A4

PUBLIC LAND TESTING STREETS



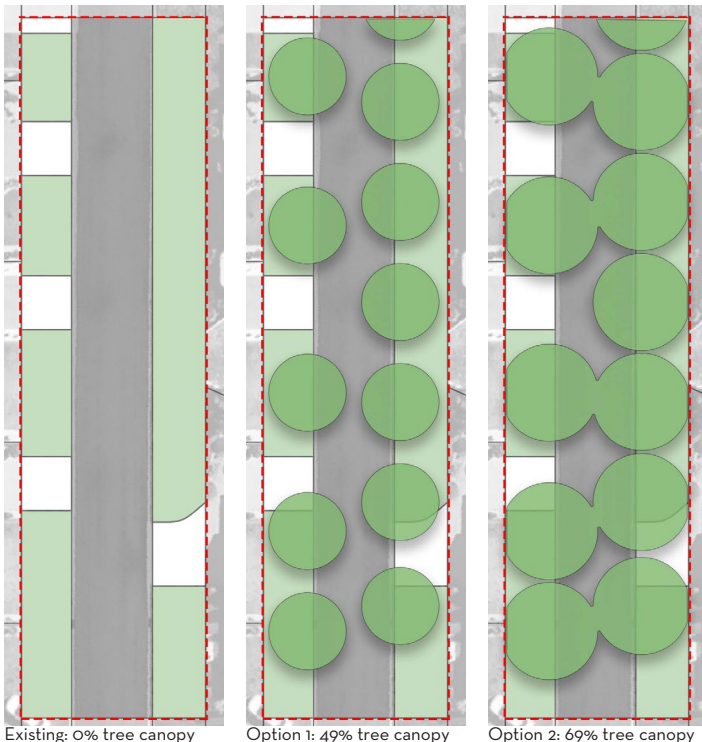
Existing: 46% tree canopy

Option 1: 61% tree canopy

RIVERSTONE

Blacktown City Council

Overhead power lines:	Yes
Reserve width:	18m
Carriageway width:	9m
Verge 1:	4.5m
Verge 2:	4.5m
Existing tree canopy 5m dia. & above:	46% site area



Existing: 0% tree canopy

Option 1: 49% tree canopy

Option 2: 69% tree canopy

GRIFFITH

Griffith City Council

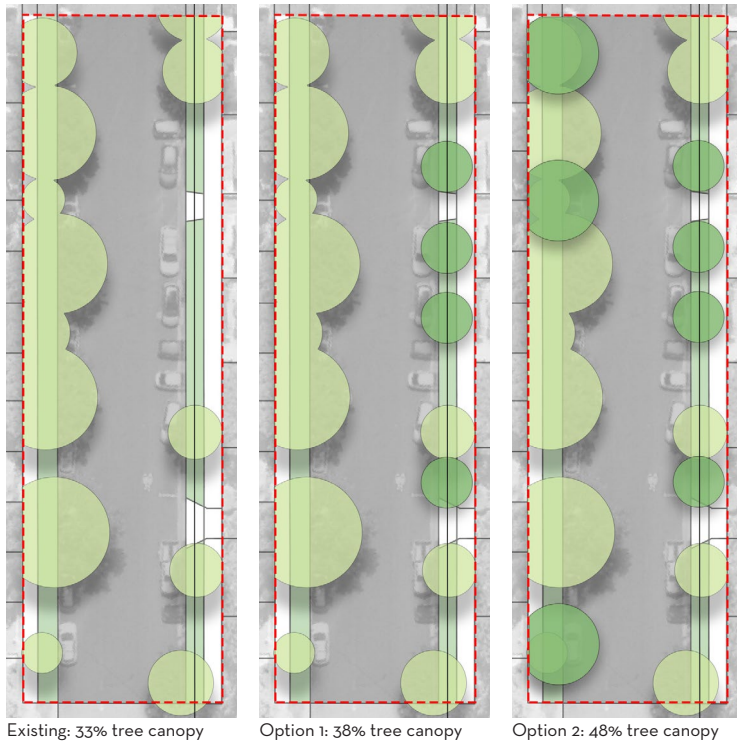
Overhead power lines:	No
Reserve width:	18m
Carriageway width:	9m
Verge 1:	4.5m
Verge 2:	4.5m
Existing tree canopy 5m dia. & above:	0% site area



- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil

Scale 1:750@A4

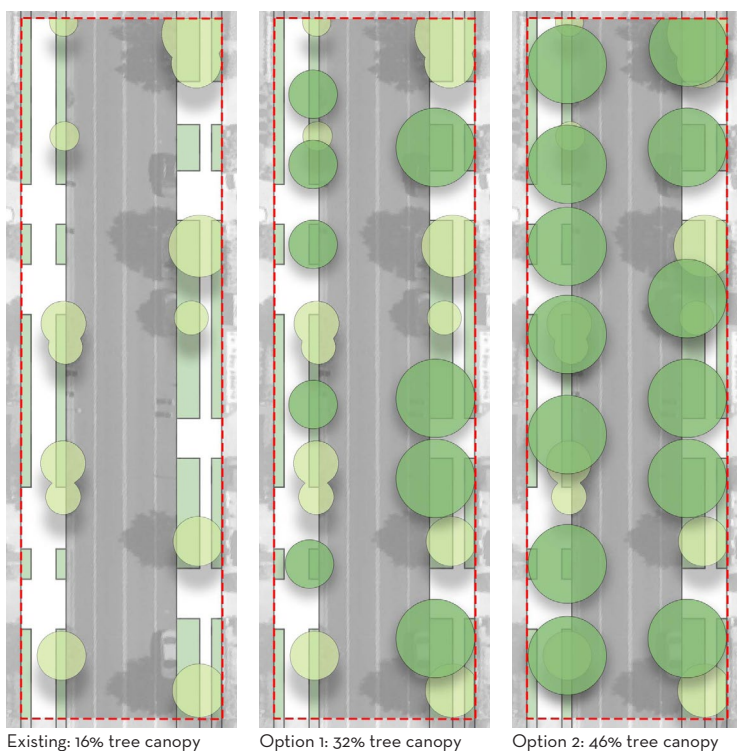
PUBLIC LAND TESTING STREETS



ANNANDALE

Inner West Council

Overhead power lines:	Yes
Reserve width:	20m
Carriageway width:	13m
Verge 1:	3.5m
Verge 2:	3.5m
Existing tree canopy 5m dia. & above:	33% site area



THE PONDS

Blacktown City Council

Overhead power lines:	No
Reserve width:	20m
Carriageway width:	11m
Verge 1:	4.5m
Verge 2:	4.5m
Existing tree canopy 5m dia. & above:	16% site area

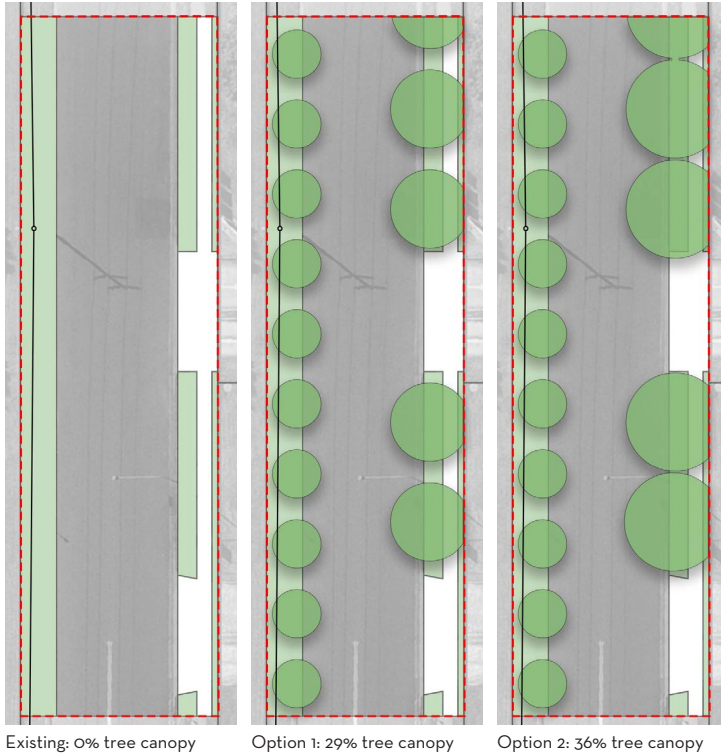


- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil

Scale 1:750@A4

PUBLIC LAND TESTING

STREETS: INDUSTRIAL STREETS



CASTLE HILL

Hills Shire Council

Overhead power lines: Yes

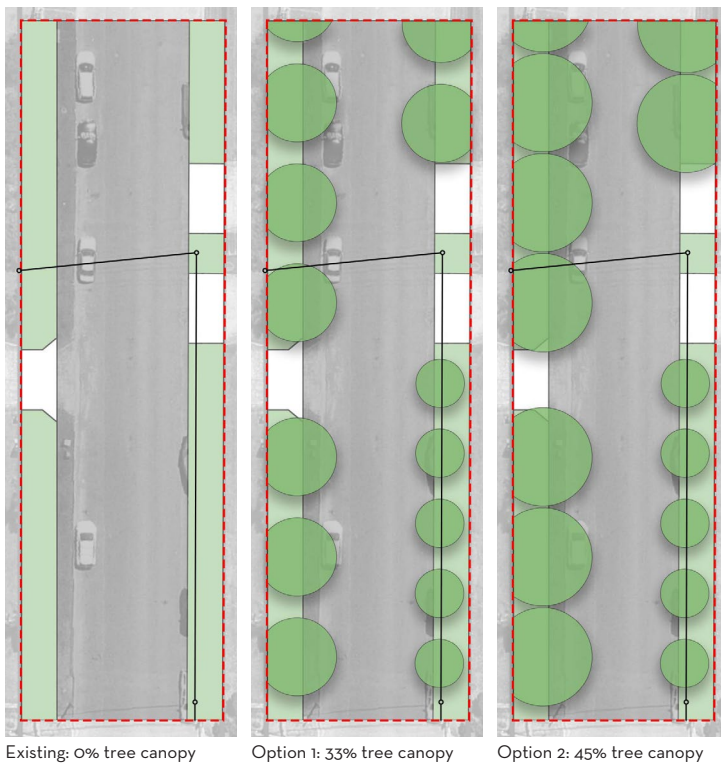
Reserve width: 20m

Carriageway width: 12m

Verge 1: 4m

Verge 2: 4m

Existing tree canopy 5m dia. & above: 0% site area



WEST GOSFORD

Central Coast Council

Overhead power lines: Yes

Reserve width: 20m

Carriageway width: 13m

Verge 1: 3.6m

Verge 2: 3.6m

Existing tree canopy 5m dia. & above: 0% site area

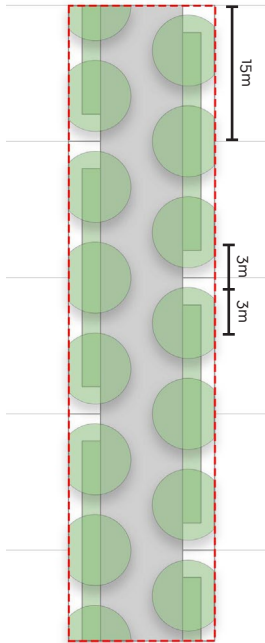


- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil

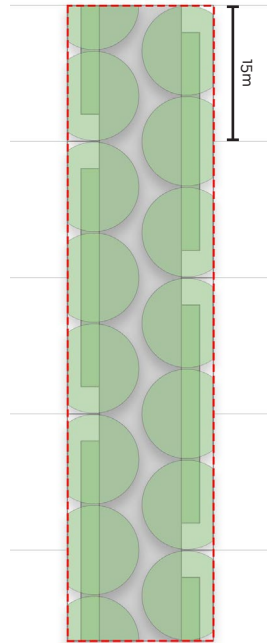
Scale 1:750@A4

PUBLIC LAND TESTING

NEW STREETS



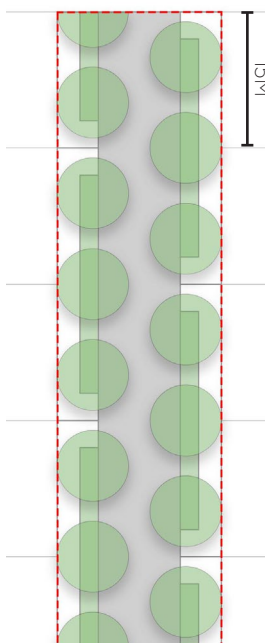
Option 1: 8 metre wide trees
58% tree canopy on street with
15m lots



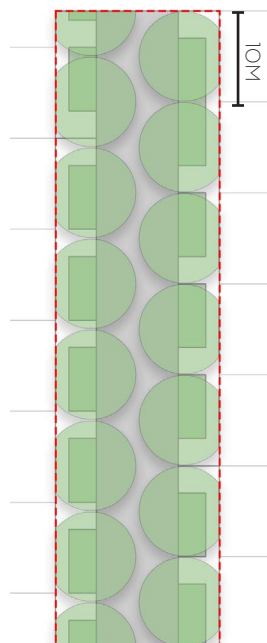
Option 2: 10 metre wide trees
83% tree canopy on street with
15m lots

NEW STREET: 16M

Reserve width:	16m
Carriageway width:	9m
Verge 1:	3.5m
Verge 2:	3.5m
Driveway area:	94.5m ² / 8% site area



Option 1: 8 metre wide trees
56% tree canopy on street with
15m lots



Option 2: 10 metre wide trees
82% tree canopy on street with
10m lots

NEW STREET: 18M

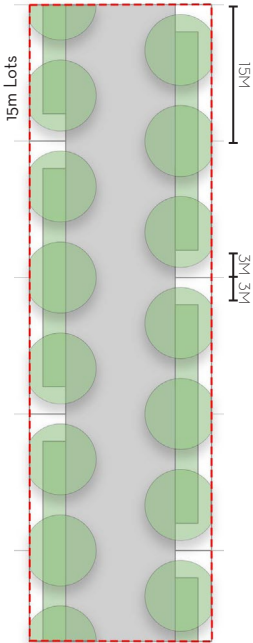
Reserve width:	18m
Carriageway width:	9m
Verge 1:	4.5m
Verge 2:	4.5m
Driveway area:	122m ² / 10% site area

- Study boundary
- Existing tree in deep soil (>3m dia)
- Proposed tree in deep soil

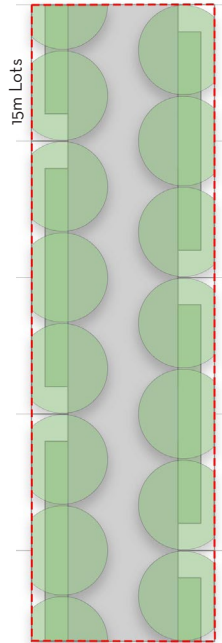
PUBLIC LAND TESTING NEW STREETS

NEW STREET: 20M

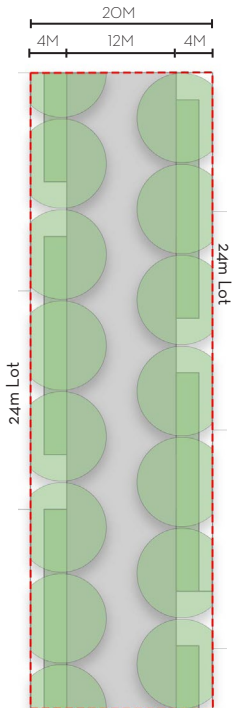
Reserve width:	20m
Carriageway width:	12m
Verge 1:	4m
Verge 2:	4m
Lot width:	15m/ 24m/10m
Driveway area:	108m ² / 8% site area



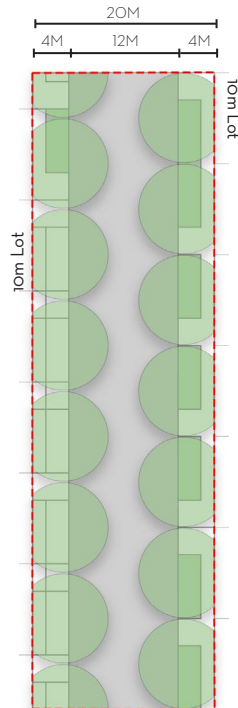
Option 1: 8m wide trees
49% tree canopy on street
with 15m lots



Option 2: 10m wide trees 70%
tree canopy on street with
15m lots



Option 3: 10m wide trees
70% tree canopy on street
with 24m lots



Option 4: 10m wide trees
70% tree canopy on street
with 10m lots