

URBAN TREE CANOPY TARGETS & DEVELOPMENT CONTROLS REPORT

APPENDIX B: PRIVATE LAND TESTING

Prepared for

NSW DEPARTMENT OF PLANNING, INDUSTRY AND ENVIRONMENT

by

GALLAGHERSTUDIO

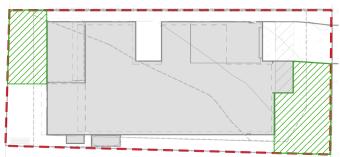


4th November 2021

DETACHED DWELLINGS



DETACHED DWELLINGS



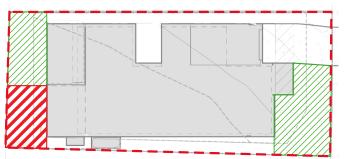
Existing: Analysis of deep soil and tree canopy

DENHAM COURT

Campbelltown City Council

Lot area: 0.0287 ha / 287 m²

Building footprint: 60% Existing deep soil: 16% Existing tree canopy in deep soil: 0%

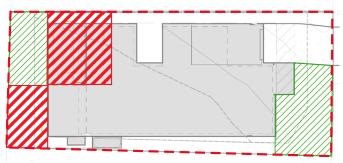


Option 1: Expanded deep soil - minor modification

OPTION 1:

22% site area Deep soil:

• Remove south facing eave and paved area.



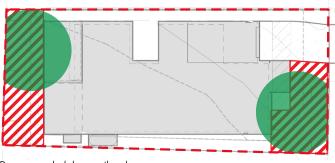
Option 2: Expanded deep soil - modifications

OPTION 2:

Deep soil:

32% site area

- · Remove south facing eave and paved area.
- Remove internal courtyard and reconfigure ground
- · Permeable surface to alfresco dining.
- · Remove roof above alfresco dining.



Recommended deep soil and canopy

 Property boundary ZZZZ Existing deep soil

Proposed deep soil

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

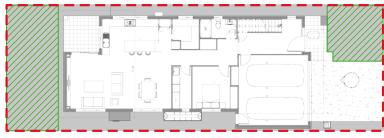


Scale 1:300@A4

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 20% site area Canopy: 20% site area

DETACHED DWELLINGS



Existing: Analysis of deep soil and tree canopy

NIRIMBA FIELD

Blacktown City Council

Lot area: 0.03 ha / 300 m²

Building footprint: Existing deep soil: 20% Existing tree canopy in deep soil: 0%

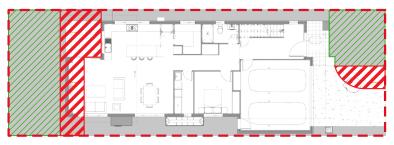


Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil: 26% site area

- Permeable surface to alfresco dining.
- · Remove roof above alfresco dining.
- Driveway narrow to 3m.



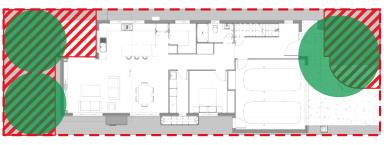
Option 2: Expanded deep soil - modifications

OPTION 2:

Deep soil:

30% site area

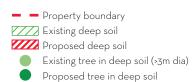
- Permeable surface to alfresco dining.
- · Remove roof above alfresco dining.
- Driveway narrow to 3m.
- Family room reduced by 1.5m width.



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 25% site area





Scale 1:300 @ A4



DETACHED DWELLINGS



Existing: Analysis of deep soil and tree canopy

DOUBLE BAY

Woollahra Municipal Council

Lot area: 0.0315 ha / 315 m² **Building footprint:** 55% pool: 9%

Existing deep soil: 25% Existing tree canopy in deep soil: 0%



Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil: 34% site area

• Permeable surface to alfresco dining + paving area.



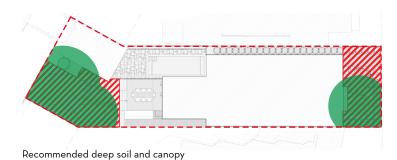
Option 2: Expanded deep soil - modifications

OPTION 2:

Deep soil:

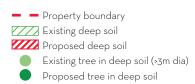
42% site area

- Permeable surface to alfresco dining + paving area.
- · Remove pool and replace with permeable surface.



RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 25% site area





DETACHED DWELLINGS



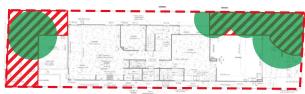
Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



Option 2: Expanded deep soil - modifications



Recommended deep soil and canopy

KINGSCLIFF

Tweed Shire Council

Lot area: 0.0394 ha / 394 m²

Building footprint: Existing deep soil: 12% Existing tree canopy in deep soil: 0%

OPTION 1:

Deep soil:

29% site area

- · Relocate water tank.
- Reconfigure rear terrace.
- Narrow driveway to 3m.
- Replace verandah adjacent to garage with path + deep soil.

OPTION 2:

Deep soil:

31% site area

- · Relocate water tank.
- Reconfigure rear terrace.
- · Narrow driveway to 3m.
- Replace verandah adjacent to Garage with path + deep
- · Reduce triple garage to double garage.

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area 25% site area Canopy:

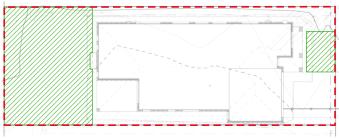
 Property boundary ZZZZ Existing deep soil Proposed deep soil Existing tree in deep soil (>3m dia) Proposed tree in deep soil



Scale 1:500 @ A4



DETACHED DWELLINGS



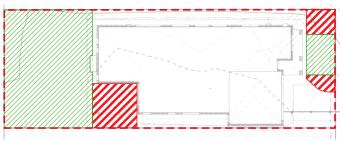
Existing: Analysis of deep soil and tree canopy

COORANBONG

Lake Macquarie

Lot area: 0.0437 ha / 437 m²

Building footprint: 58%
Existing deep soil: 30%
Existing tree canopy in deep soil: 0%



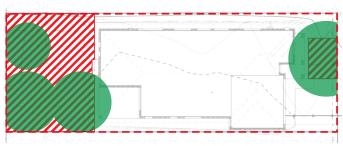
Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil:

37% site area

- · Permeable surface to alfresco dining.
- · Remove roof above alfresco dining.
- · Driveway narrowed to 3m.
- Relocate septic tank to rear.



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil:30% site areaCanopy:25% site area



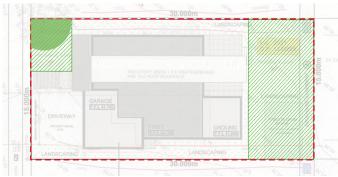
Existing tree in deep soil (>3m dia)

Proposed tree in deep soil



Scale 1:500 @ A4

DETACHED DWELLINGS



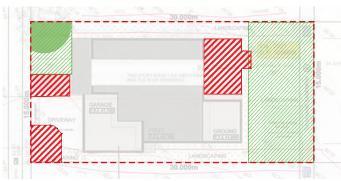
Existing: Analysis of deep soil and tree canopy

KEMBLA GRANGE

Wollongong City Council

Lot area: 0.045 ha / 450 m²

Building footprint: 57% Existing deep soil: 29% Existing tree canopy in deep soil: 3%



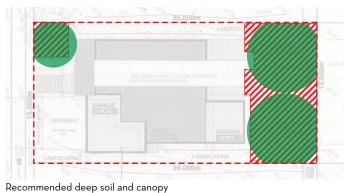
Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil:

39% site area

- Entry path narrowed to 1.2m.
- Driveway narrowed to 3m.
- · Permeable surface to covered area.



RECOMMENDED DEEP SOIL AND CANOPY:

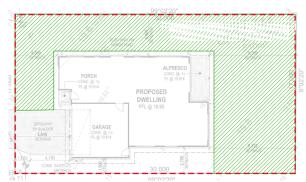
Deep soil: 25% site area Canopy: 25% site area

 Property boundary ZZZZ Existing deep soil Proposed deep soil

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



PRIVATE LAND TESTING **DETACHED DWELLINGS**



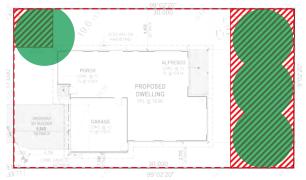
Existing: Analysis of deep soil and tree canopy

THRUMSTER

Port Macquarie - Hastings Council

Lot area: .051 ha / 510 m²

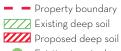
Building footprint: Existing deep soil: 51% Existing tree canopy in deep soil: 0%



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 25% site area

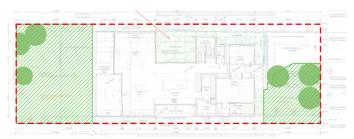


Existing tree in deep soil (>3m dia) Proposed tree in deep soil





PRIVATE LAND TESTING APPENDIX 1A: DETACHED DWELLINGS



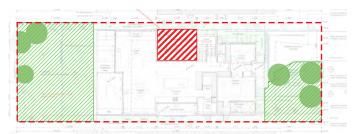
Existing: Analysis of deep soil and tree canopy

CRONULLA

Sutherland Shire Council

Lot area: 0.0527 ha / 527 m²

Building footprint: 45% Existing deep soil: 35% Existing tree canopy in deep soil: 7%



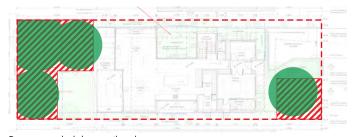
Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil:

39% site area

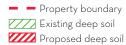
· Remove pergola over alfresco.



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 25% site area



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



Scale 1:500 @ A4

DETACHED DWELLINGS



ROSELANDS

City of Canterbury Bankstown

Lot area: 0.0594 ha / 594 m²

Building footprint: 56% Pool footprint: 11% Existing deep soil: 20% Existing tree canopy in deep soil: 0%



Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil:

27% site area

- · Remove pergola.
- · Permeable surface to paved area.
- Narrow entry path to 1.2m.
- · Driveway narrowed to 3m.



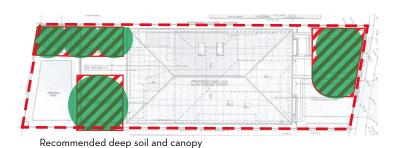
Option 2: Expanded deep soil - modifications

OPTION 2:

Deep soil:

39% site area

- Remove pergola.
- Permeable surface to paved area.
- Narrow entry path to 1.2m.
- · Driveway narrowed to 3m.
- · Remove pool.



RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 25% site area

Property boundary

Existing deep soil Proposed deep soil

Existing tree in deep soil (>3m dia)

Proposed tree in deep soil



Scale 1:500 @ A4

DETACHED DWELLINGS



FORSTER

Mid Coast Council

Lot area: 0.0616 ha / 616 m²

Building footprint: 45% Existing deep soil: 47% Existing tree canopy in deep soil: 0%

Existing: Analysis of deep soil and tree canopy

POWERLINE OVERHEAD

Recommended deep soil and canopy

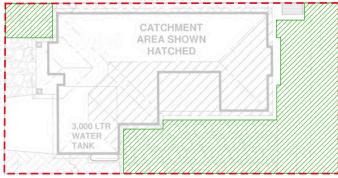
RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 30% site area Canopy: 30% site area





DETACHED DWELLINGS



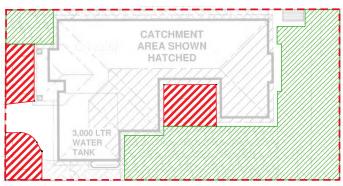
Existing: Analysis of deep soil and tree canopy

THURGOONA

Albury City Council

Lot area: 0.0636 ha / 636 m²

Building footprint: 55% Existing deep soil: 34% Existing tree canopy in deep soil: 0%



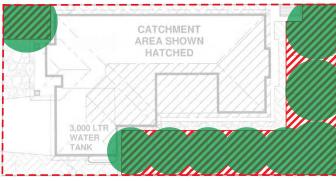
Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil:

44% site area

- Driveway to 3m.
- Remove roof over alfresco area.



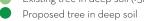
Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 30% site area Canopy: 30% site area

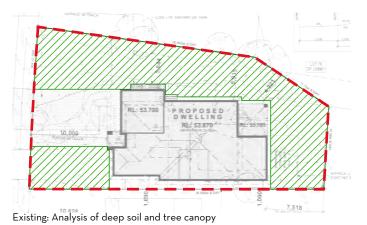
 Property boundary **Existing deep soil**

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





DETACHED DWELLINGS

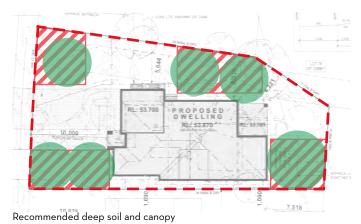


BAULKHAM HILLS

The Hills Shire Council

Lot area: 0.0702 ha / 702 m²

Building footprint: Existing deep soil: 51% Existing tree canopy in deep soil: 0%



RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: Canopy: 30% site area

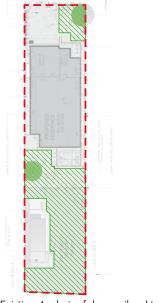
 Property boundary ZZZZ Existing deep soil Proposed deep soil Existing tree in deep soil (>3m dia)

Proposed tree in deep soil





DETACHED DWELLINGS



Existing: Analysis of deep soil and tree canopy

DEE WHY

Northern Beaches Council

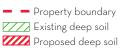
Lot area: 0.0703 ha / 703 m²

Building footprint: Existing deep soil: 41% Existing tree canopy in deep soil: 3%

Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 30% site area Canopy: 30% site area



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





DETACHED DWELLINGS



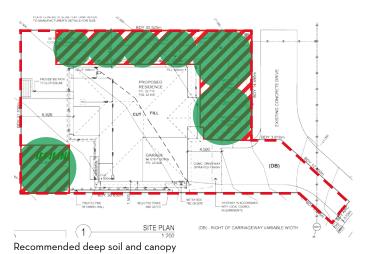
Existing: Analysis of deep soil and tree canopy

GILLIESTON HEIGHTS

Maitland

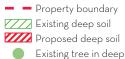
Lot area: 0.0723 ha / 723 m²

Building footprint: Existing deep soil: 47% Existing tree canopy in deep soil: 0%



RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 30% site area Canopy: 30% site area

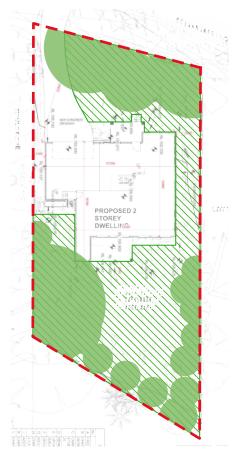


Existing tree in deep soil (>3m dia) Proposed tree in deep soil





PRIVATE LAND TESTING **DETACHED DWELLINGS**



Existing: Analysis of deep soil and tree canopy

TURRAMURRA

Ku-ring-gai

Lot area: 0.1 ha / 1000 m²

Building footprint: 34% Existing deep soil: 64% Existing tree canopy in deep soil: 39%

PREPARED BY GALLAGHERSTUDIO IN COLLABORATION WITH





ATTACHED DWELLINGS



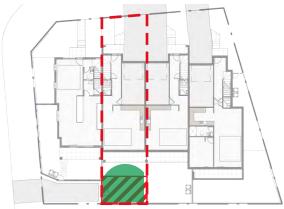
: ATTACHED DWELLINGS



Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



Recommended deep soil and canopy

 Property boundary **Existing deep soil** Proposed deep soil Existing tree in deep soil (>3m dia)

Proposed tree in deep soil



BUSBY

Liverpool City Council

Lot area: 0.0145 ha / 145 m²

Building footprint: 64% Existing deep soil: 20% Existing tree canopy in deep soil: 5%

OPTION 1:

Deep soil: 34%

- Decrease area of paving in front garden.
- · Permeable surface in alfresco dining area.

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 15% site area

PRIVATE LAND TESTING ATTACHED DWELLINGS



Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



Option 2: Expanded deep soil - modifications



Recommended deep soil and canopy

TEMPE

Inner West Council

Lot area: 0.0159 ha / 159 m²

Building footprint: 51%
Existing deep soil: 16%
Existing tree canopy in deep soil: 4%

OPTION 1:

Deep soil: 23%

· Shift building 250mm to the west.

- Relocate underground water tank at the front to under the pedestrian path.
- · Reduce path width, change stair to permeable surface.

OPTION 2:

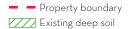
Deep soil:

39%

- Shift building 250mm to the west.
- Relocate underground water tank at the front to under the pedestrian path. Reduce path width, change stair to permeable surface.
- Removed pool & paving.

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil:20% site areaCanopy:20% site area



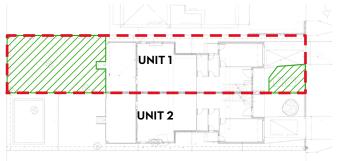
Proposed deep soil

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





ATTACHED DWELLINGS



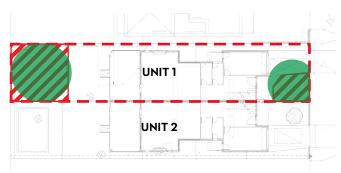
Existing: Analysis of deep soil and tree canopy

YAGOONA - UNIT 1

City of Canterbury Bankstown

Lot area: 0.03 ha / 300 m²

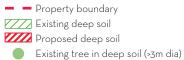
Building footprint: 43% Existing deep soil: 38% Existing tree canopy in deep soil: 9%



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 25% site area

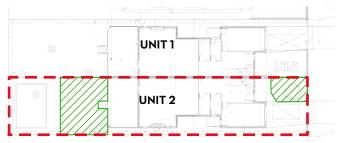


Proposed tree in deep soil





:ATTACHED DWELLINGS



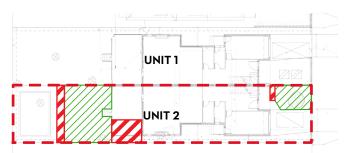
Existing: Analysis of deep soil and tree canopy

YAGOONA - UNIT 2

City of Canterbury Bankstown

Lot area: 0.03 ha / 300 m²

Building footprint: 43% Existing deep soil: 20% Existing tree canopy in deep soil: 4%

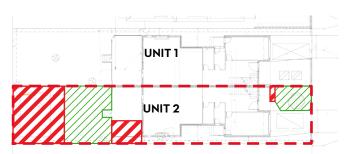


Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil:

- Reduce alfresco area by 3m.
- · Reduce pool paving area by 1m.



Option 2: Expanded deep soil - modifications

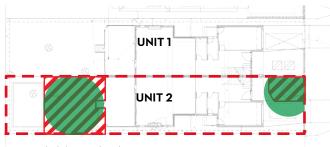
OPTION 2:

Deep soil:

42%

27%

- · Reduce alfresco area by 3m.
- · Remove pool and paving.



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area

Canopy: 25% site area

 Property boundary **Existing deep soil** Proposed deep soil

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

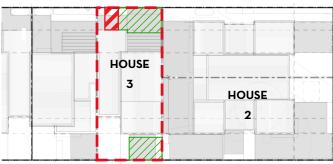




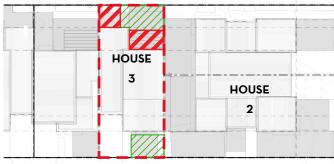
ATTACHED DWELLINGS



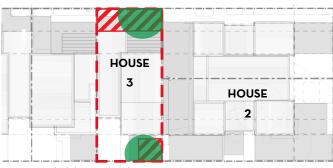
Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



Option 2: Expanded deep soil - modifications



Recommended deep soil and canopy

 Property boundary **Existing deep soil** Proposed deep soil Existing tree in deep soil (>3m dia)

Proposed tree in deep soil



Scale 1:500 @ A4

WARNERS BAY - HOUSE 3

Lake Macquarie

Lot area: 0.0173 ha / 173 m²

Building footprint: 64% Existing deep soil: 18% Existing tree canopy in deep soil: 0%

OPTION 1:

Deep soil: 21%

· Rotate RWT vertically.

OPTION 2:

Deep soil:

30%

- Rotate RWT vertically.
- · Remove deck and paving

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 20% site area Canopy: 20% site area

ATTACHED DWELLINGS



Existing: Analysis of deep soil and tree canopy

WARNERS BAY - HOUSE 2

Lake Macquarie

Lot area: 0.0246 ha / 246 m²

Building footprint: 50% Existing deep soil: 49% Existing tree canopy in deep soil: 0%



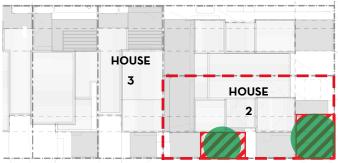
Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil:

52% site area

• Entry path narrow to 1.2m.



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 20% site area 20% site area Canopy:

 Property boundary ZZZZ Existing deep soil Proposed deep soil

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



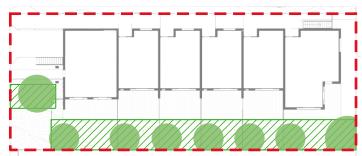
Scale 1:500 @ A4



MULTI DWELLING HOUSING



MULTI-DWELLING HOUSING



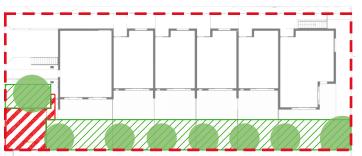
Existing: Analysis of deep soil and tree canopy

MOOREBANK

Liverpool City Council

0.0822 ha / 822 m² Lot area:

Building footprint: 57% Existing deep soil: 22% Existing tree canopy in deep soil: 13%



Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil: 26% site area

• Relocate on-site detention tank.

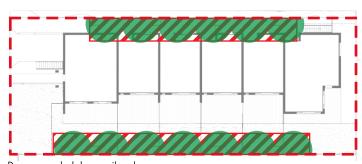


Option 2: Expanded deep soil - modifications

OPTION 2:

Deep soil: 34% site area

• Shift building south to achieve 3m setback to both sides.



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 20% site area Canopy: 20% site area

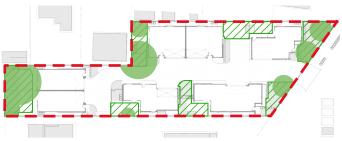
 Property boundary **Existing deep soil** Proposed deep soil

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





MULTI-DWELLING HOUSING



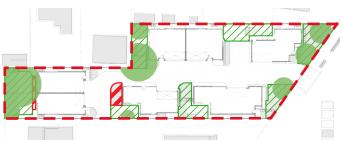
Existing: Analysis of deep soil and tree canopy

CHARLESTOWN

Lake Macquarie Council

Lot area: 0.1585 ha / 1585 m²

Building footprint: 47%
Existing deep soil: 23%
Existing tree canopy in deep soil: 17%

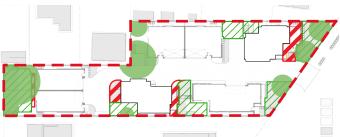


Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil: 24% site area

· Amend roof lines.



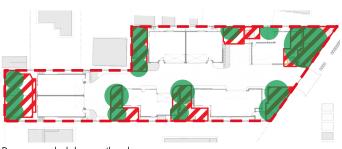
Option 2: Expanded deep soil - modifications

OPTION 2:

Deep soil:

28% site area

• Amend roof lines, amend garages to single (2x units only).



Recommended deep soil and canopy

Property boundaryExisting deep soil

Proposed deep soil

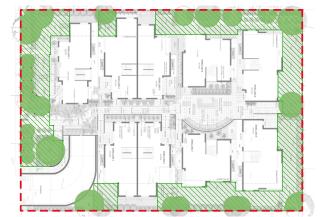
Existing tree in deep soil (*3m dia)Proposed tree in deep soil



RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil:25% site areaCanopy:25% site area

MULTI-DWELLING HOUSING



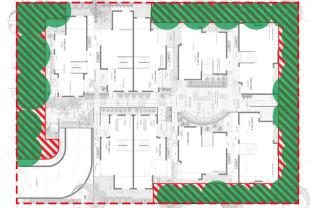
Existing: Analysis of deep soil and tree canopy

CARINGBAH

Sutherland Shire Council

Lot area: 0.2269ha / 2269 m²

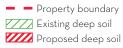
Building footprint: Existing deep soil: 30% Existing tree canopy in deep soil: 12%



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 25% site area



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



Scale 1:750 @ A4



MULTI-DWELLING HOUSING



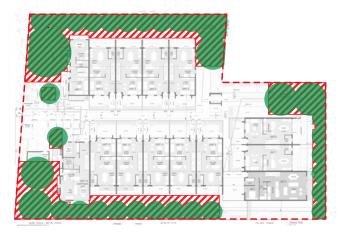
Existing: Analysis of deep soil and tree canopy

CASTLE HILL

Hills Shire Council

Lot area: 0.3193ha / 3193 m²

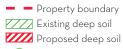
Building footprint: Existing deep soil: 30% Existing tree canopy in deep soil: 11%



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 30% site area Canopy: 25% site area



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



Scale 1:900 @ A4



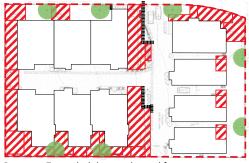
MULTI-DWELLING HOUSING



Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



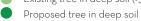
Option 2: Expanded deep soil - modifications



Recommended deep soil and canopy

 Property boundary ZZZZ Existing deep soil

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





Scale 1:1200 @ A4

ABERGLASSLYN

Maitland

Lot area: 0.3683ha / 3683 m²

Building footprint: Existing deep soil: 16% Existing tree canopy in deep soil: 5%

OPTION 1:

Deep soil:

27% site area

- · Alfresco changed to timber deck with increase planting.
- Paths to unit 1 rationalised and narrowed.

OPTION 2:

Deep soil:

33% site area

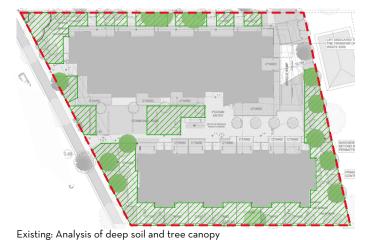
- · Alfresco changed to timber deck with increase planting.
- Paths to unit 1 rationalised and narrowed.
- Units 5-7 pushed together, units 8-10 pushed together resulting in new deep soil zones along wester boundary and to the east of units 5 and 8.
- · Driveway passing area reconfigured.
- · Visitor parking relocated along north south roadway.

RECOMMENDED DEEP SOIL AND CANOPY:

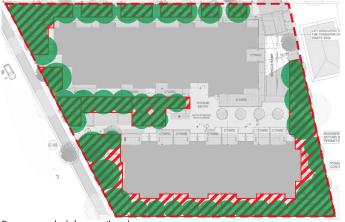
Deep soil: 30% site area Canopy: 25% site area



MULTI-DWELLING HOUSING



Option 1: Expanded deep soil - minor modification



Recommended deep soil and canopy

Property boundary
Existing deep soil
Proposed deep soil
Existing tree in deep soil (*3m dia)

Proposed tree in deep soil



WOY WOY

Central Coast

Lot area: 0.3721ha / 3721.5 m²

Building footprint:57%Existing deep soil:29%Existing tree canopy in deep soil:5%

OPTION 1:

Deep soil:

30% site area

· Permeable surface to communal area.

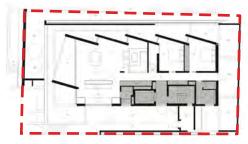
RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil:30% site areaCanopy:30% site area



APARTMENTS

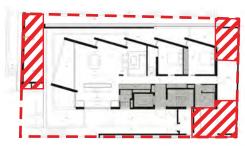




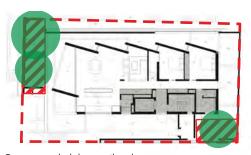
Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



Option 2: Expanded deep soil - modifications



Recommended deep soil and canopy

BRONTE

Waverly Council

Lot area: 0.043ha / 430 m²

Building footprint: 63% Existing deep soil: 0% Existing tree canopy in deep soil: 0%

OPTION 1:

6% site area Deep soil:

- · Redesign to front garden, including relocation of water
- · Removal of terrace at ground level and section of upper level planter to rear corner.

OPTION 2:

Deep soil: 16% site area

· Removal of terrace at ground level and 2 larger sections of upper level planters to rear corners.

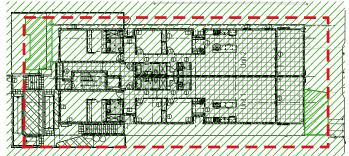
RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 10% site area Canopy: 20% site area

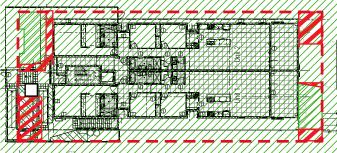
Existing tree in deep soil (>3m dia) Proposed tree in deep soil

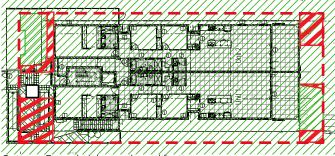




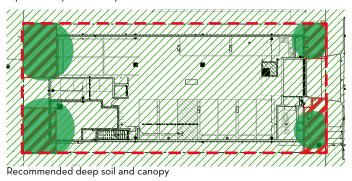


Existing: Analysis of deep soil and tree canopy





Option 2: Expanded deep soil - modifications



Property boundary

ZZZZ Existing deep soil

Proposed deep soil

Existing tree in deep soil (>3m dia)





Scale 1:500 @ A4

KINGSCLIFF

Tweed Shire

0.0688ha / 688 m² Lot area:

Building footprint: Existing deep soil: 6% Existing tree canopy in deep soil: 0%

OPTION 1:

Deep soil:

13% site area

- · Redesign to front garden, including removal of ramp and installation of platform lift.
- · Remove flare to driveway.
- Adjust surface finishes to landscape areas as permeable.

OPTION 2:

Deep soil:

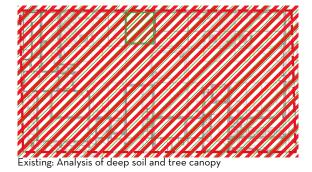
16% site area

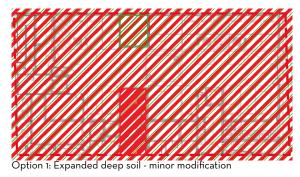
- Redesign to front garden, including removal of ramp and installation of platform lift.
- · Remove flare to driveway.
- Adjust surface finishes to landscape areas as permeable.
- · Reduction of retention tank (basement level) to allow an increase to front garden bed size.

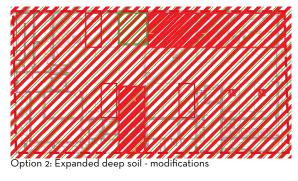
RECOMMENDED DEEP SOIL AND CANOPY:

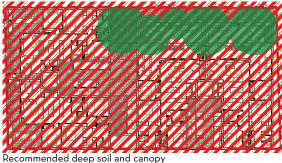
Deep soil: 15% site area 20% site area Canopy:











 Property boundary **Existing deep soil** Proposed deep soil

Existing tree in deep soil (>3m dia)

Proposed tree in deep soil



Scale 1:600 @ A4

ALEXANDRIA

City of Sydney

Lot area: 0.0976ha / 976 m²

Building footprint: 56% Existing deep soil: 2% Existing tree canopy in deep soil: 0%

OPTION 1:

Deep soil: 7% site area

- Stair width reduced to 1.2m
- Basement parking unchanged, car bays: 20, disabled parking bays: 3

OPTION 2:

Deep soil:

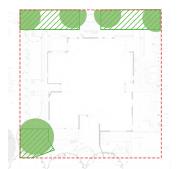
21% site area

- · Reduce basement footprint, car bays: 17 disabled parking bays: 2 (upgrade all residential bays to car stackers).
- Private open space for units 1.3 and 1.4 to be a soft landscape finish. Potentially to become communal open space.

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 20% site area





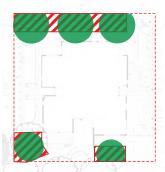
Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



Option 2: Expanded deep soil - modifications



Recommended deep soil and canopy

 Property boundary ZZZZ Existing deep soil Proposed deep soil

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



Scale 1:300 @ A4

NORTH PARRAMATTA

City of Parramatta

Lot area: 0.1014ha / 1014 m²

Building footprint: 34% Existing deep soil: 15% Existing tree canopy in deep soil: 12%

OPTION 1:

Deep soil: 36% site area

• Amendments to surface finishes and relocation of fire hydrants.

OPTION 2:

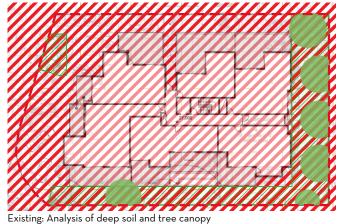
Deep soil:

44% site area

- Amendments to surface finishes and relocation of fire hydrants
- · Relocation of bin service area to basement and redesign of entry area.

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 20% site area



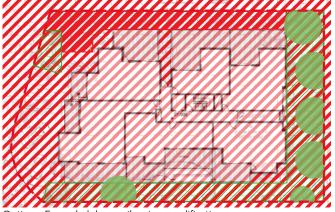
DUNDAS

City of Parramatta

Lot area: 0.1416ha / 1416 m²

Building footprint: 57% Existing deep soil: 22% Existing tree canopy in deep soil: 9%





Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil: 31% site area

- Permeable surface finish to side setback.
- Area of private open space to become communal.
- Access path to be no wider than 1.2m.



Recommended deep soil and canopy

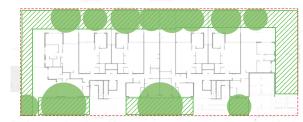
 Property boundary **Existing deep soil** Proposed deep soil

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



RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 20% site area



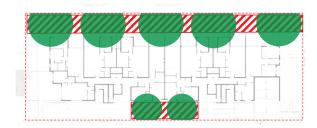
Existing: Analysis of deep soil and tree canopy

CARLTON

Georges River Council

Lot area: 0.2054ha / 2054 m²

Building footprint: Existing deep soil: 30% Existing tree canopy in deep soil: 25%



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 20% site area Canopy: 25% site area



Proposed tree in deep soil







Existing: Analysis of deep soil and tree canopy

ST IVES

Ku ring gai Council

Lot area: O.23255 ha / 2325.5 m²

Building footprint: 36% Existing deep soil: 50% Existing tree canopy in deep soil: 50%



RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 20% site area Canopy: 25% site area

Recommended deep soil and canopy

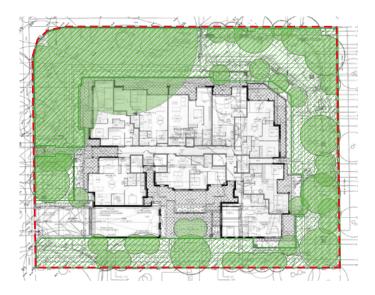
 Property boundary ZZZZ Existing deep soil Proposed deep soil

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



Scale 1:1000 @ A4





TURRAMURRA

Ku-ring-gai Council

Lot area: 0.2931ha / 2931 m²

Building footprint: 35% Existing deep soil: 48% Existing tree canopy in deep soil: 40%

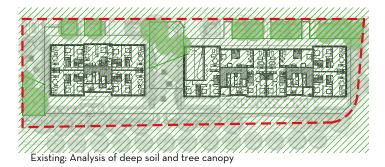
 Property boundary ZZZZ Existing deep soil Proposed deep soil

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



Scale 1:750 @ A4



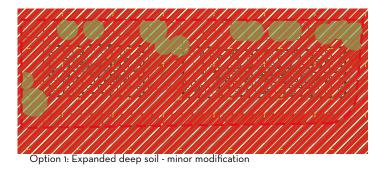


EDMONDSON PARK

Liverpool City Council

Lot area: 0.3599ha / 3599 m²

Building footprint: 36% Existing deep soil: 13% Existing tree canopy in deep soil: 14%



OPTION 1:

Deep soil: 31% site area

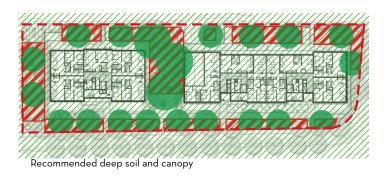
- Replace paving in communal open space to turf or planting.
- · Redesign to private open space surface finishes.
- Reduce width of any paths to 1.2m and separate entries.
- Remove paving intrusions along southern garden beds to street.



OPTION 2:

Deep soil: 34% site area

• Removal of basement stairs along northern boundary.



RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 30% site area Canopy: 35% site area

 Property boundary **Existing deep soil**

Proposed deep soil

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



Scale 1:1200 @ A4



Existing: Analysis of deep soil and tree canopy

ST GEORGES BASIN

Shoalhaven City Council

Lot area: 0.482 ha / 4820 m²

Building footprint: Existing deep soil: 28%

Existing tree canopy in deep soil: unknown

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 30% site area Canopy: 35% site area

Property boundary

Recommended deep soil and canopy

Existing deep soil

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

Proposed tree in deep soil



Scale 1:1000 @ A4

BUSINESS PARKS



BUSINESS PARK

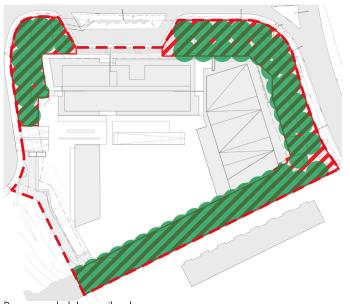


The Hills Shire Council

Lot area: 1.685ha / 16850 m²

Building footprint: Existing deep soil: 35% Existing tree canopy in deep soil: 8%

Existing: Analysis of deep soil and tree canopy



RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 35% site area

Recommended deep soil and canopy

 Property boundary ZZZZ Existing deep soil

Proposed deep soil

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



Scale 1:2000 @ A4

BUSINESS PARK

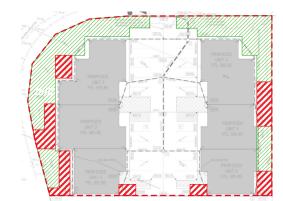


Existing: Analysis of deep soil and tree canopy

Dubbo Regional Council

Lot area: 0.2953ha / 2953 m²

Building footprint: 42% Existing deep soil: 19% Existing tree canopy in deep soil: 0%

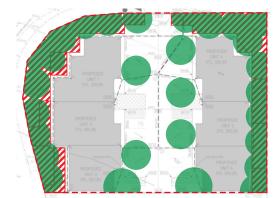


Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil: 25% site area

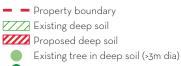
· Patio areas to be permeable.

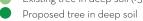


Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 35% site area









: BUSINESS PARK



Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



Recommended deep soil and canopy

MACQUARIE PARK

City of Ryde

Lot area: 0.7953ha / 7953 m²

Building footprint: 43% Existing deep soil: 20% Existing tree canopy in deep soil: 9%

OPTION 1:

Deep soil: 25% site area

- Reconfigure pedestrian entry.
- Reduce width of through site link to 3m.

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 25% site area Canopy: 35% site area

 Property boundary Existing deep soil Proposed deep soil

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



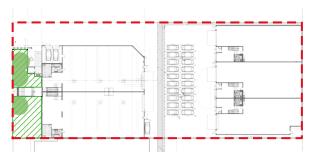
Scale 1:2000 @ A4



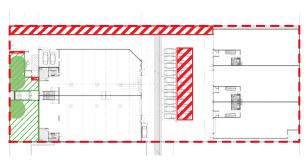
INDUSTRIAL



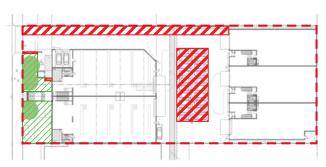
INDUSTRIAL



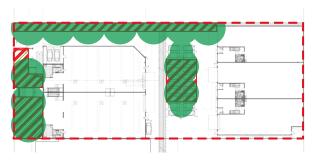
Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification

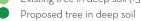


Option 2: Expanded deep soil



Recommended deep soil and canopy

 Property boundary ZZZZ Existing deep soil Proposed deep soil Existing tree in deep soil (>3m dia)





GREENACRE

City of Canterbury Bankstown

Lot area: 0.4046ha / 4046 m²

Building footprint: Existing deep soil: 6% Existing tree canopy in deep soil: 2%

OPTION 1:

Deep soil: 15% site area

- · Portion of parking bay becomes deep soil.
- · Deep soil along site boundary

OPTION 2:

Deep soil:

18% site area

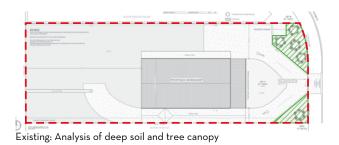
- Parking bays becomes deep soil.
- · Deep soil along site boundary

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 25% site area



INDUSTRIAL

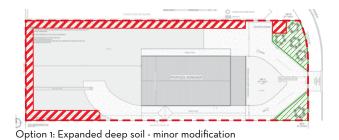


EAST WAGGA WAGGA

City of Wagga Wagga

Lot area: 0.4504ha / 4504 m²

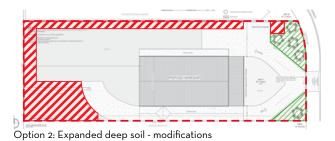
Building footprint: 18%
Existing deep soil: 5%
Existing tree canopy in deep soil: 0%



OPTION 1:

Deep soil: 16% site area

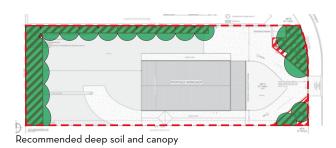
• 3M Deep soil setback.



OPTION 2:

Deep soil: 23% site area

• Deep soil to two proposed car spaces.

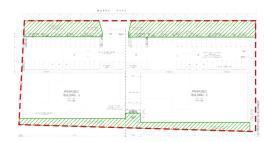


RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area
Canopy: 25% site area



PRIVATE I AND TESTING INDUSTRIAL



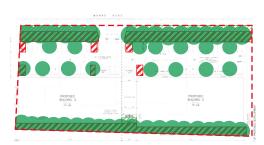
Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



Option 2: Expanded deep soil



Recommended deep soil and canopy

WEST GOSFORD

Central Coast Council

Lot area: O.2167ha / 7167 m²

Building footprint: Existing deep soil: 21% Existing tree canopy in deep soil: 0%

OPTION 1:

Deep soil: 22% site area

Minor changes to hardstand areas

No change to parking

OPTION 2:

Deep soil: 25% site area

Requires partial removal of on grade parking

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 25% site area

Supplementary car park trees: 12%

 Property boundary ZZZZ Existing deep soil Proposed deep soil

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

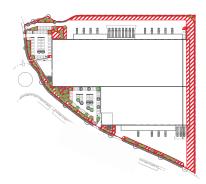


Scale 1:2000 @ A4

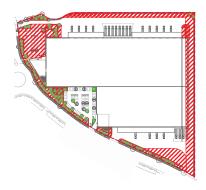




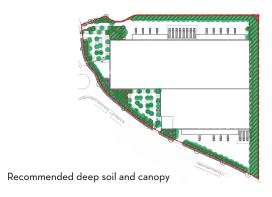
Existing: Analysis of deep soil and tree canopy



Option 1: Expanded deep soil - minor modification



Option 2: Expanded deep soil



Property boundary

Existing deep soil

Proposed deep soil

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



Scale 1:6000 @ A4

CASULA

Liverpool City Council

Lot area: 5.1418ha / 51418 m²

 $Building\ footprint:$ 57% Existing deep soil: 5% Existing tree canopy in deep soil:

OPTION 1:

Deep soil: 15% site area

OPTION 2:

Deep soil: 20% site area

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 25% site area

Supplementary car park trees:

BULKY GOODS



: BULKY GOODS



Existing: Analysis of deep soil and tree canopy

CASTLE HILL

The Hills Shire Council

Lot area: 2.1049 ha / 21049 m²

Building footprint: Existing deep soil: 17% Existing tree canopy in deep soil: 3%



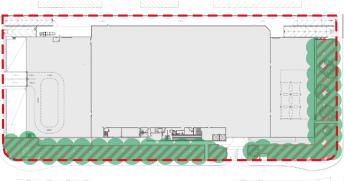
Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil:

18% site area

- · Relocate sprinkler tanks below.
- · Remove awning outline
- Reduce path to 1.2m.



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 25% site area

 Property boundary **Existing deep soil** Proposed deep soil

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



PRIVATE LAND TESTING **BULKY GOODS**



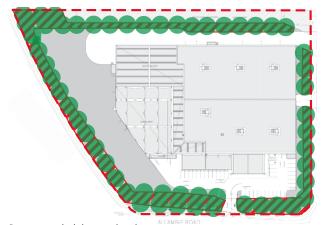
Existing: Analysis of deep soil and tree canopy

FRENCHS FOREST

Northern Beaches Council

Lot area: 2.175 ha / 21750 m²

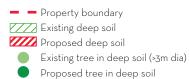
Building footprint: Existing deep soil: 34% Existing tree canopy in deep soil: 27%



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 25% site area







PRIVATE LAND TESTING BULKY GOODS



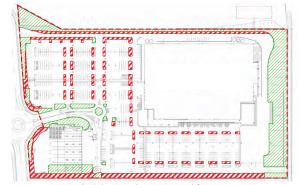
Existing: Analysis of deep soil and tree canopy

BOOLAROO

Lake Macquarie

Lot area: 6.8512 ha / 68512 m²

Building footprint: 22%
Existing deep soil: 13%
Existing tree canopy in deep soil: 6%



Option 1: Expanded deep soil - minor modification

OPTION 1:

Deep soil: 20%



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil:15% site areaCanopy:25% site areaSupplementary trees in car park:17% site areaCar spaces:742 - 10% loss in car spaces

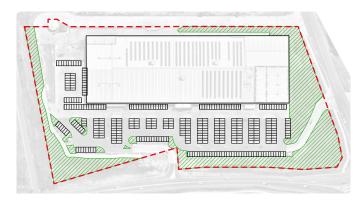
Note: This site has been included as a sample DA for on grade car parks and bulky goods.

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





BULKY GOODS



Existing: Analysis of deep soil and tree canopy

ORANGE

Orange City Council

Lot area: 4.490 ha / 44902m2

Building footprint: 34% Existing deep soil: 22% Existing tree canopy in deep soil: 0% Car spaces: 360



OPTION 1

Deep soil: 22% Tree canopy: 20% Supplementary trees in car park:

Car spaces: 332 - 8% loss in car spaces



Recommended deep soil and canopy

RECOMMENDED DEEP SOIL AND CANOPY:

Deep soil: 15% site area Canopy: 25% site area Supplementary trees in car park: 14% site area

Note: This site has been included as a sample DA for on grade car parks.

 Property boundary ZZZZ Existing deep soil Proposed deep soil Existing tree in deep soil (>3m dia) Proposed tree in deep soil



