

LOCATION PLAN

LOCATION MAP



| | Existing Trees based on Arborists Report by Tree Consultenant solutions prepared on 26.04.2019 | | | | | | |
|---|--|-------------------------|-------------|----------|----------|--|--|
| | No. | # Species Siz | e (Ht x Sp) | Conditio | n Action | | |
| | 1 | Eucalyptus tereticornis | 15x7 | Fair | Remove | | |
| ı | 2 | Eucalyptus tereticornis | 9x6 | Poor | Remove | | |
| ı | 3 | Eucalyptus tereticornis | 10x7 | Fair | Remove | | |
| | 4 | Eucalyptus tereticornis | 6x3 | Fair | Remove | | |
| ı | 5 | Eucalyptus tereticornis | 12x6 | Fair | Remove | | |
| | 6 | Eucalyptus tereticornis | 12x6 | Fair | Remove | | |
| ı | 7 | Eucalyptus tereticornis | 10x3 | Fair | Remove | | |
| | 8 | Eucalyptus tereticornis | 7x4 | Fair | Remove | | |
| | 9 | Eucalyptus tereticornis | 13x7 | Fair | Remove | | |
| | | | | | | | |

TREE SURVEY

| J | Eucalypius tereticornis | | rali | Remove |
|----|-------------------------|-------|------|--------|
| 4 | Eucalyptus tereticornis | | Fair | Remove |
| 5 | Eucalyptus tereticornis | | Fair | Remove |
| 6 | Eucalyptus tereticornis | 12x6 | Fair | Remove |
| 7 | Eucalyptus tereticornis | 10x3 | Fair | Remove |
| 8 | Eucalyptus tereticornis | 7x4 | Fair | Remove |
| 9 | Eucalyptus tereticornis | 13x7 | Fair | Remove |
| 10 | Eucalyptus tereticornis | 13x5 | Fair | Remove |
| 11 | Eucalyptus tereticornis | 12x7 | Fair | Remove |
| 12 | Eucalyptus tereticornis | 11x5 | Fair | Remove |
| 13 | Eucalyptus tereticornis | 12x4 | Fair | Remove |
| 14 | Eucalyptus tereticornis | 14x4 | Fair | Remove |
| 15 | Eucalyptus tereticornis | 12x5 | Fair | Remove |
| 16 | Eucalyptus tereticornis | 8x6 | Poor | Remove |
| 17 | Eucalyptus tereticornis | 11x4 | Fair | Remove |
| 18 | Eucalyptus tereticornis | 12x4 | Fair | Remove |
| 19 | Jacaranda mimosifolia | 4.5x4 | Fair | Remove |
| 20 | Jacaranda mimosifolia | 3x2 | Fair | Remove |
| 21 | Corymbia maculata | 15x6 | Fair | Remove |
| 22 | Eucalyptus baueriana | 6x3 | Fair | Remove |
| 23 | Casuarina glauca | 7.5x2 | Fair | Remove |
| 24 | Acacia fimbriata | 4.5x4 | Fair | Remove |
| 25 | Acacia fimbriata | 4x4 | Fair | Remove |
| | | | | |
| | | | | |

/ with new landscaping

TREE SURVEY

Existing Trees based on Arborists Report by Tree Consult expert solutions prepared on 26.04.2019

OTHER LANDSCAPE ITEMS

Trees proposed to be removed and replaced

| NO. | Species Size (HLX Sp) Condition Action | | | |
|-----|--|-------|------|--------|
| 26 | Acacia fimbriata | 3.5x2 | Fair | Remove |
| 27 | Allocasuarina torulosa | 5x2 | Fair | Remove |
| 28 | Allocasuarina torulosa | 7x2 | Fair | Remove |
| 29 | Casuarina glauca | 11x6 | Fair | Remove |
| 30 | Casuarina glauca | 9x6 | Fair | Remove |
| 31 | Casuarina glauca | 12x4 | Fair | Remove |
| 32 | Casuarina glauca | 11x5 | Fair | Remove |
| 33 | Eucalyptus saligna | 14x6 | Fair | Remove |
| 34 | Eucalyptus tereticornis | 9x4 | Poor | Remove |
| 35 | Casuarina glauca | 6x2 | Good | Remove |
| 36 | Eucalyptus tereticornis | 4x1 | Poor | Remove |
| 37 | Allocasuarina torulosa | 5x5 | Fair | Remove |
| 38 | Casuarina glauca | 6x2 | Fair | Remove |
| 39 | Allocasuarina torulosa | 5x3 | Fair | Remove |
| 40 | Allocasuarina torulosa | 7x4 | Fair | Remove |
| 41 | Allocasuarina torulosa | 4x2.5 | Fair | Remove |
| 42 | Eucalyptus tereticornis | 14x7 | Fair | Remove |
| 43 | Casuarina glauca | 8x2 | Good | Remove |
| 44 | Casuarina glauca | 9x2 | Good | Remove |
| 45 | Allocasuarina torulosa | 4x2 | Fair | Remove |
| 46 | Allocasuarina torulosa | 4x2.5 | Fair | Remove |
| 47 | Eucalyptus tereticornis | 2x0.6 | Fair | Remove |
| | | | | |
| | | | | |

| Α | 18.06.19 | Preliminary plan prepared for review | | |
|---|---|--|--|--|
| В | 01.07.19 | 07.19 Co-ordinated with amended architectural plan | | |
| С | 21.08.19 Co-ordinated with Planning Industry & Environment's comments | | | |
| D | 26.08.19 | Finalized landscape plan | | |
| Е | 11.09.19 | Refined planting species | | |
| | | | | |
| | | | | |
| | | | | |

DRAWING SCHEDULE

| SHEET# | DRAWING TITLE | REV. |
|--------|------------------|------|
| | SITE ANALYSIS | Е |
| /1 | LANDSCAPE PLAN-1 | Ε |
| /2 | LANDSCAPE PLAN-2 | Е |
| /3 | LANDSCAPE PLAN-3 | Ε |
| /4 | DETAILS | Α |
| /5 | SPECIFICATION | Α |



Suite 101, 506 Miller St CAMMERAY NSW 2062

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PROPOSED COMMERCIAL CAR PARKING DEVELOPMENT

BURANDO ROAD, PRESTONS NSW

LEGEND & SCHEDULE

AND VERIFIED BY SUCCESSFUL LANDSCAPE CONTRACTOR. 2. ANY PLANT SUBSTITUTES REQUIRED DUE TO UNAVAILABILITY SHALL BE RECOMMENDED BY THE LANDSCAPE CONTRACTOR TO BEST MATCH SUBSTITUTED PLANTS AND APPROVED PRIOR TO PURCHASING BY THE

LANDSCAPE ARCHITECT.

3. WORKS CERTIFIED FOR FINAL OCCUPANCY CERTIFICATE ARE TO MATCH APPROVED LANDSCAPE PLANS.

4. LANDSCAPE CONTRACTOR SHALL LOCATE AND AVOID SITE STORM WATER & DRAINAGE SERVICES. LOCATE TREES A MINIMUM 1.25M FROM

5. ALL PLANTING AROUND EXISTING TREES SHALL BE ADJUSTED TO AVOID DAMAGE AND CLASHING WITH SURFACE ROOTS.

SCHEDULE FOR LANDSCAPE PLAN-1

TREES



Botanical Name: Eucalyptus tereticornis(*) Common Name: Forest Red Gum (Native) Mature H x S: 15-20m x 5-8m **Oty Required:**

Botanical Name: Melaleauca decora(*) Common Name: White feather honeymyrtle (Na Pot size:

Mature H x S:

Mature H x S: Qty Required:

Common Name: NSW Christmas Bush (Native)

Pot size:

Qty Required:

Botanical Name: Acacia decurrens

Botanical Name: Exocarpos cupressiformis(*) Common Name: Native cherry (Native) 100Lt 6m x 3m Botanical Name: Ceratopetalum gummiferum

100Lt

6m x 4m

Mature H x S: 5-8m x 3-4m Qty Required:

Common Name: Black wattle (Native) 100I t **Mature H x S:** 8-12m x 4m

SHRUBS AND HEDGES Botanical Name: Bursaria spinosa(*)

Common Name: Blackthorn (Native) Pot size: 300mm Mature H x S: 2-3m x1m

Botanical Name: Dodonaea viscosa 'Purpurea'(*) Common Name: Purple Sticky Hop Bush (Native Mature H x S: 2m x 1.5m 26

Botanical Name: Westringia fruticosa Pot size:

Qty Required:

Common Name: Native Rosemary (Native) 300mm Mature H x S: 1.3m x 1.1m

GRASSES / GROUNDCOVERS Botanical Name: Dianella revoluta(*)

Common Name: Black Anther Flax Lily (Native) 200mm Mature H x S: 0.7m x 0.65m

Qtv Required: Botanical Name: Hardenbergia violacea(*)

Common Name: Purple Coral Pea (Native) Mature H x S: Qty Required:

5/m2 (43.0m2 total)

Qty Required:

Botanical Name: I omandra longifollia 'Tanika' Common Name: Lomandra Tanika (Native) Mature H x S: 0.8m x 0.8m 3/m2 (36.4m2 total)

0.3m x 1.5m



Note:

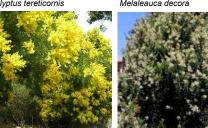
(*) Plantings selected from NSW government Shale Gravel Transition Forest species list with some broader Cumberland Plain endemic planting species added : https://www.environment.nsw.gov.au/

LANDSCAPE PLAN 1



AILA Asso

Bar Scale





- 2 A.decurrens

- 24 W. fruticosa

- 16 D. 'Purpurea'

- 54 D. revoluta

- 45.9m2 L. 'Tanika'

- 6 M. decora

DIAL1100 BEFORE YOU DIG

Screen planting along car park to include:

This plan should be read in conjunction with the architectural construction. and hydraulics plans. Work specific to these plans should be prepared in accordance to these plans, including specification and details prior to the installation of landscaping, and should not be altered or compromised during landscape construction. Elements such as drainage swales may be incorporated in garden bed areas (using non-floatable mulch) without compromising the capacity or

REV DATE

NOTATION/AMENDMENT

B 01.07.19 Co-ordinated with amended architectural plan

Environment's comments

A 18.06.19 Preliminary plan prepared for review

C 21.08.19 Co-ordinated with Planning Industry &

D 26.08.19 Finalized landscape plan

E 11.09.19 Refined planting species

LANDSCAPE PLAN NOTES This plan has been prepared for Development Application approval only, not for

- 1 E. tereticornis

- 5 C. gummiferum

- 4 E. cupressiformis

- 5 M. decora

- 2 A.decurrens

- 13 W. fruticosa

- 10 D. 'Purpurea'

- 43.0m2 H. violacea

- 36.4m2 L. 'Tanika'

- 8 B. spinosa

Screen planting to site boundary to include:

This plan has been prepared with reference to LIVERPOOL Councils Landscaping Guidelines & requirements. Planting proposed using mainly indigenous, commercially available plant species selected from NSW government Shale Gravel Transition Forest species list with some broader Cumberland Plain endemic planting species added: https://www.environment.nsw.gov.au/

COUNCIL

LIVERPOOL

STATUS / ISSUE

DA - ISSUE E

ALDI PRESTONS

BARKER RYAN STEWART

Laundlacame Arrefulteetts

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LANDSCAPE PLAN-1

PROPOSED COMMERCIAL CAR PARKING DEVELOPMENT

Existing vegetation to be retained

BURANDO ROAD PRESTONS

LOCATION MAP

LPDA 19 - 195 / 1 1:200 @ A3

JUNE 2019 R.F K.Z



rence to scale readings. Verify all dimensions on site. PDF'd plans may vary slightly in Scale for that indicated on plans. Report any discrepancies to the L ect before proceeding with the work.

LEGEND & SCHEDULE

1. ALL FINAL PLANT QUANTITIES INDICATED ON PLANS SHALL BE CHECKED AND VERIFIED BY SUCCESSFUL LANDSCAPE CONTRACTOR.

2. ANY PLANT SUBSTITUTES REQUIRED DUE TO UNAVAILABILITY SHALL BE RECOMMENDED BY THE LANDSCAPE CONTRACTOR TO BEST MATCH SUBSTITUTED PLANTS AND APPROVED PRIOR TO PURCHASING BY THE LANDSCAPE ARCHITECT.

3. WORKS CERTIFIED FOR FINAL OCCUPANCY CERTIFICATE ARE TO MATCH APPROVED LANDSCAPE PLANS.

4. LANDSCAPE CONTRACTOR SHALL LOCATE AND AVOID SITE STORM
WATER & DRAINAGE SERVICES. LOCATE TREES A MINIMUM 1.25M FROM

5. ALL PLANTING AROUND EXISTING TREES SHALL BE ADJUSTED TO AVOID

SCHEDULE FOR LANDSCAPE PLAN-2

6m x 4m

100Lt

6m x 3m

100I t

300mm

2-3m x1m

GRASSES / GROUNDCOVERS

200mm 0.7m x 0.65m

TREES



Botanical Name: Melaleauca decora(*) Common Name: White feather honeymyrtle (Nati

Mature H x S: Qty Required:

Botanical Name: Exocarpos cupressiformis(* Common Name: Native cherry (Native) Pot size: Mature H x S:

Qty Required:

Botanical Name: Ceratopetalum gummiferum Pot size: Mature H x S: 5-8m x 3-4m Qty Required:

Botanical Name: Acacia decurrens

Common Name: Black wattle (Native) Mature H x S: 10m x 5m

Qty Required: **SHRUBS AND HEDGES**

Botanical Name: Bursaria spinosa(* Common Name: Blackthorn (Native) Pot size: Mature H x S: Qty Required:

Pot size: Mature H x S: 2m x 1.5m Otv Required:

Pot size:

Mature H x S: 1.3m x 1.1m Qty Required: 39

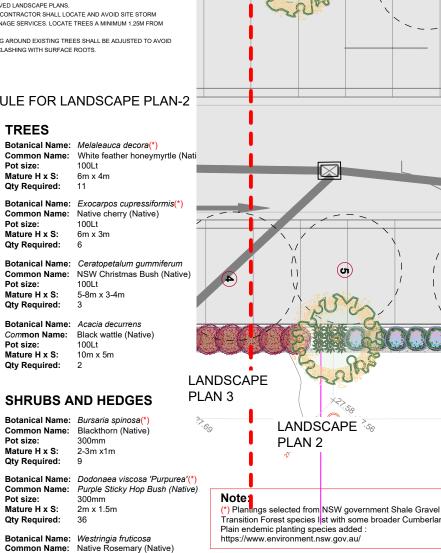
Botanical Name: Dianella revoluta(* Common Name: Black Anther Flax Lily (Native) Mature H x S: Otv Required:

Botanical Name: Hardenbergia violacea(*) Common Name: Purple Coral Pea (Native) Pot size:

Qty Required:

Mature H x S: 0.8m x 0.8m 3/m2 (27.2m2 total)

Mature H x S: 0.3m x 1.5m 5/m2 (43.6m2 total) Qtv Required: Botanical Name: Lomandra longifollia 'Tanika' Common Name: Lomandra Tanika (Native)



Transition Forest species I st with some broader Cumberland Plain endemic planting species added

LANDSCAPE 36

PLAN 2













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Screen planting along car park to

include:

- 1 A.decurrens

- 24 W. fruticosa

- 24 D. 'Purpurea'

- 54 D. revoluta

- 12.0m2 H. violacea

- 6 M. decora

LANDSCAPE PLAN NOTES This plan has been prepared for **Development Application** approval only, not for construction.

(00)

(9)

This plan has been prepared with reference to LIVERPOOL Councils Landscaping Guidelines & requirements. Planting proposed using mainly indigenous, commercially available plant species selected from NSW government Shale **Gravel Transition Forest species** list with some broader Cumberland Plain endemic planting species added: https://www.environment.nsw.gov.au/

LOCATION MAP

Screen planting to site boundary to include:

- 5 M. decora

- 3 C. gummiferum

- 6 E. cupressiformis

- 1 A.decurrens

- 15 W. fruticosa

- 12 D. 'Purpurea'

- 31.6m2 H. violacea

- 27.2m2 L. 'Tanika'

- 9 B. spinosa



Landscape Architects

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LANDSCAPE PLAN-2

PROPOSED COMMERCIAL CAR PARKING DEVELOPMENT

BURANDO ROAD PRESTONS

LPDA 19 - 195 / 2 1:200 @ A3

LANDSCAPE

PLAN 2

JUNE 2019

K.Z

R.F

General Notes:

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Breynia oblongifolia REV DATE NOTATION/AMENDMENT AILA Associat A 18.06.19 Preliminary plan prepared for review www.dialbeforeyoudig.com.au LIVERPOOL B 01.07.19 Co-ordinated with amended architectural plan MDIAL1100 C 21.08.19 Co-ordinated with Planning Industry & **BEFORE YOU DIG** Environment's comments ALDI PRESTONS Australian Institute d Fandacape Architect D 26.08.19 Finalized landscape plan ARCHITECT E 11.09.19 Refined planting species BARKER RYAN STEWART STATUS / ISSUE DA - ISSUE E

LEGEND & SCHEDULE

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5. ALL PLANTING AROUND EXISTING TREES SHALL BE ADJUSTED TO AVOID DAMAGE AND CLASHING WITH SURFACE ROOTS.

SCHEDULE FOR LANDSCAPE PLAN-3

100Lt

100Lt

100Lt

100Lt

300mm

2-3m x1m

2m x 1.5m

200mm

200mm

1m x 1m

41

1m x 0.9m

6m x 4m

35-45m x 14-20m

TREES



Common Name: Forest Red Gum (Native) Mature H x S: 15-20m x 5-8m Qty Required:

Botanical Name: Corymbia maculata(*) Common Name: Spotted Gum (Native) Pot size: Mature H x S:

Qty Required: Botanical Name: Melaleauca decora(*) Pot size:

Mature H x S:

Pot size:

Pot size:

Pot size:

Qty Required:

Common Name: Native cherry (Native) Mature H x S: 6m x 3m Qty Required:

Botanical Name: Acacia decurrens Common Name: Black wattle (Native) 100I t Mature H x S: 10m x 5m Qty Required:

Botanical Name: Ceratopetalum gummiferum Common Name: NSW Christmas Bush (Native) Mature H x S: 5-8m x 3-4m

SHRUBS AND HEDGES

Botanical Name: Bursaria spinosa(*) Common Name: Blackthorn (Native) Mature H x S: Qty Required:

Botanical Name: Dodonaea viscosa 'Purpurea'(*) Common Name: Purple Sticky Hop Bush (Native) Pot size: Mature H x S: Qty Required:

Botanical Name: Callistemon 'Better John' Common Name: Better John Bottlebrush (Native) Pot size:

Mature H x S: Qty Required: Botanical Name: Metrosideros 'Tahiti'

Common Name: NZ Christmas Bush (Exotic) Pot size: Mature H x S: Qty Required: 2

Botanical Name: Westringia fruticosa Pot size:

Common Name: Native Rosemary (Native) 300mm Mature H x S: 1.3m x 1.1m Qty Required: 45

Botanical Name: Doryanthes excelsa Common Name: Gymea Lily (Native)

Botanical Name: Fucalvotus tereticornis(* Common Name: White feather honeymyrtle (Native) Botanical Name: Exocarpos cupressiformis(*)

GRASSES / GROUNDCOVERS

Pot size: Mature H x S: 0.2m x .6m

Qty Required: 5/m2 (95.1m2 total)

Pot size: Mature H x S: Qty Required:

Pot size: Mature H x S:

Botanical Name: Dianella revoluta(*) Common Name: Black Anther Flax Lily (Native) Pot size:

Mature H x S:

Pot size:

Mature H x S: 0.5m x 0.5m Qty Required:

Botanical Name: Themeda australis 'Mingo'(*) Common Name: Dwarf Kangaroo Grass (Native) 140mm

Botanical Name: Lomandra longifollia 'Tanika' Common Name: Lomandra Tanika (Native) 200mm 0.8m x 0.8m

3/m2 (29.5m2 total)

Botanical Name: Hardenbergia violacea(*) Common Name: Purple Coral Pea (Native) 140mm 0.3m x 1.5m Qty Required: 5/m2 (83.2m2 total)

200mm 0.7m x 0.65m

Botanical Name: Lomandra multiflora subsp. multiflora(*) Common Name: Many-flowered Mat-rush (Native)

300mm

*) Plantings selected from NSW government Shale Gravel Transition Forest species list with some broader Cumberland Plain endemic planting species added











engineer's detail



Screen planting to site

boundary to include:

- 3 C. maculata

- 2 E.tereticornis

- 17 W. fruticosa

- 5 D. 'Purpurea'

- 38 C. 'Better John'

- 29.5m2 L. 'Tanika'

- 76.3m2 H.violacea

- 95.1m2 T. 'Mingo'

New retaining wall element refers to

- 12 D. excelsa

- 2 M. 'Tahiti'

- 5 B. spinosa



Existing sprinkler check valve & Hydrant booster to be retained



PLAN 3 Screen planting along car park to include: - 1 A. decurrens

LANDSCAPE

- 3 M. decora

- 18 W. fruticosa

- 15 D. 'Purpurea'

Screen planting to site boundary to include:

- 1 M. decora

- 2 C. gummiferum

- 10 W. fruticosa

- 5 D. 'Purpurea'

- 6.9m2 H. violacea

- 3 C. 'Better John'

- 13 Lomandra multiflora

- 4 B. spinosa

- 2 M. 'Tahiti'

- 2 E. cupressiformis

- 12.1m2 L. 'Tanika'

- 27 D. revoluta

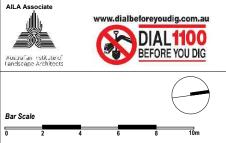
- 3 Lomandra multiflora



LOCATION MAP SCALE: nts

ns take preference to scale readings. Verify all dimensions on site. PDF'd plans nay vary slightly in Scale for that indicated on plans. Report any discrepancies to the Landscape suchitect before proceeding with the work.

If the Status of this drawing is not signed off For Construction if may be subject to change, alteration or amendment at the discretion of our office, it so, Couraget is not liable for any loss, damage, havm or injury whether special, consequential, direct or indirect, suffered by you or any other person as a result of your use of this drawing for construction purposes.



| REV | DATE | NOTATION/AMENDMENT | COUNCIL |
|-----|----------|--|---------------------|
| Α | 18.06.19 | Preliminary plan prepared for review | LIVERPOOL |
| В | 01.07.19 | Co-ordinated with amended architectural plan | |
| С | 21.08.19 | Co-ordinated with Planning Industry & | CLIENT |
| | | Environment's comments | ALDI PRESTONS |
| D | 26.08.19 | Finalized landscape plan | |
| Е | 11.09.19 | Refined planting species | ARCHITECT |
| | | | BARKER RYAN STEWART |
| | | | |
| | | | STATUS / ISSUE |
| | | | DA - ISSUE E |
| | | | _ |
| | | | |



PARKING DEVELOPMENT Landscape Architects

Suite 101, 506 Miller St Phone: 9922 5312 Fax: 8209 4982 enquiries@conzept.net.au Mob: 0413 861 351

PROPOSED COMMERCIAL CAR

BURANDO ROAD PRESTONS

LPDA 19 - 195 / 3 1:200 @ A3

JUNE 2019 K.Z R.F

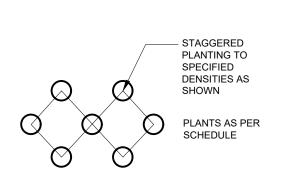
ACCENT PLANTS

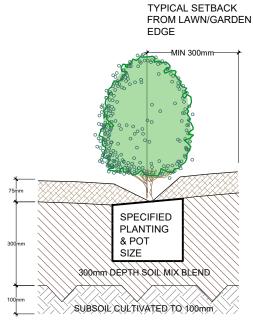
Pot size: Mature H x S: 1.1m x 1m Qty Required: 12

General Notes:

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NOTE K THIS D

THIS DETAIL IS ONLY
APPLICABLE FOR PLANTING
AREA OUTSIDE TREE
PROTECTION ZONE OF TREES
TO BE RETAINED.
NO CHANGES ARE TO OCCUR
TO EXISTING LEVELS,
INCLUDING
RIPPING/CULTIVATING OF THE
SOIL WITHIN THE TPZ OF TREES
TO BE RETAINED ON SITE

75mm DEPTH "FOREST BLEND" MULCH OR EQUIVALENT

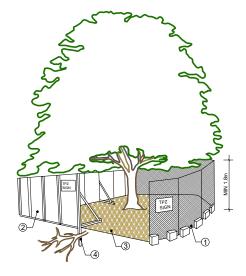
SOIL MIX:

50% OF STOCKPILED SITE
TOPSOIL FREE FROM ALL
BUILDER'S RUBBISH AND
DELETERIOUS MATERIALS.
TOPSOIL TO BE MIXED WITH
MINIMUM 50% IMPORTED
GARDEN MIX OR SOIL
CONDITIONER/ COMPOSTED
ORGANIC MATTER - SEE SPEC.
USE 100% IMPORTED SOIL MIX
WHEN SITE TOPSOIL RUNS OUT

MASS PLANTING SETOUT

N.T.S

TYPICAL GARDEN PREPARATION DETAIL SCALE 1:10

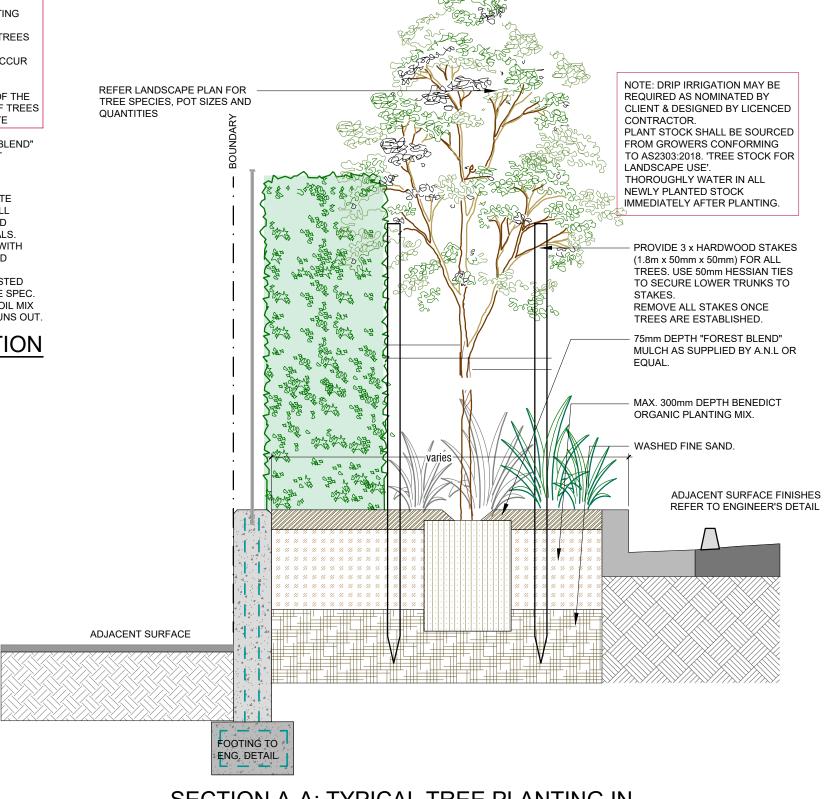


- 1. CHAIN WIRE MESH PANELS WITH SHADE CLOTH (IF REQUIRED) ATTACHED, HELD IN PLACE WITH CONCRETE FEET
- 2. ALTERNATIVE PLYWOOD OR WOODEN PALING FENCE PANELS. THE FENCING MATERIAL ALSO PREVENTS BUILDING MATERIALS OR SOIL ENTERING THE TPZ
- 3. MULCH INSTALLATION ACROSS SURFACE OF TPZ (AT THE DISCRETION OF THE PROJECT ARBORIST). NO EXCAVATION, CONSTRUCTION ACTIVITY, GRADE CHANGES, SURFACE TREATMENT OR STORAGE OF MATERIALS OF ANY KIND IS PERMITTED WITHIN THE TPZ
- 4. BRACING IS PERMISSIBLE WITHIN THE TPZ. INSTALLATION OF SUPPORTS TO AVOID DAMAGING ROOTS
- 5. PRUNING & MAINTENANCE TO TREE REFER TO AS 4373-2007 PRUNING OF AMENITY TREES

PROVIDE FENCING AS DETAILED TO ALL TREES PROPOSED TO BE RETAINED ON THE SUBJECT SITE. FENCING TO BE LOCATED TO THE DRIP LINE OF TREES OR AS INDICATED ON PLANS OR DIRECTED ON-SITE BY ARBORIST. NO STOCKPILING WITHIN FENCE PERIMETERS.

TREE PROTECTION ZONE

N.T.S



SECTION A-A: TYPICAL TREE PLANTING IN CARPARK SCALE:NTS

NOTATION/AMENDMENT REV DATE AILA Asso General Notes: A 18.06.19 Preliminary plan prepared for review LIVERPOOL LPDA 19 - 195 / 4 **DETAILS** igured dimensions take preference to scale readings. Verify all dimensions on site. PDFd plans lay vary slightly in Scale for that indicated on plans. Report any discrepancies to the Landscape rchitect before proceeding with the work. AS SHOWN @ A3 PROPOSED COMMERCIAL CAR ALDI PRESTONS PARKING DEVELOPMENT Lamdscape Architects JUNE 2019 BARKER RYAN STEWART Suite 101, 506 Miller St **BURANDO ROAD** STATUS / ISSUE www.conzept.net.au Phone: 9922 5312 Fax: 8209 4982 enquiries@conzept.net.au Mob: 0413 861 351 **PRESTONS** K.Z R.F DA - ISSUE A

LANDSCAPE WORK SPECIFICATION

PRELIMINARIES

- The landscape plans should be read in conjunction with the architectural plans, hydraulic plans, service plans and survey prepared for
- All services including existing drainage should be accurately located prior to the commencement of landscape insta
- proposed tree planting which falls close to services will be relocated on site under the instruction of the landscape architect. Installation of conduit for required irrigation, electrical and other services shall be completed prior to the commencement of har works and hardstand pours.
- All outdoor lighting specified by architect or client to be installed by qualified electrician Anomalies that occur in these plans should be brought to our immediate attention.
- Where an Australian Standard applies for any landscape material testing or installation technique, that standard shall be followed.

1.02 PROTECTION OF ADJACENT FINISHES

The Contractor shall take all precautions to prevent damage to all or any adjacent finishes by providing adequate protection to these areas surfaces prior to the commencement of the Works

1.03 PROTECTION OF EXISTING TREES

Existing trees identified to be retained shall be done so in accordance with AS 4970-2009 Protection of trees on development sites as well as in accordance with the tree protection measures prepared by project arborist.

Where general works are occurring around such trees, or pruning is required, a qualified Arborist shall be engaged to oversee such works and manage tree health

Existing trees designated on the drawing for retention shall be protected at all times during the construction period. Any soil within the drip-line of existing trees shall be excavated and removed by hand only. No stockpiling shall occur within the root zone of existing trees to

Any roots larger in diameter than 50mm shall only be severed under instruction by a qualified arborist. Roots smaller than 50mm diameter shall be cut cleanly with a saw.

Temporary fencing shall be installed around the base of all trees to be retained prior to the commencement of landscape works. Where possible this fencing will be located around the drip line of these trees, or a minimum of 3m from the trunk. The fencing shall be maintained for the full construction period.

1.04 EROSION & POLLUTION CONTROL

The Contractor shall take all proper precautions to prevent the erosion of soil from the subject site. The contractor shall install erosion & sediment control barriers and as required by council, and maintain these barriers throughout the construction period. Note that the sediment control measures adopted should reflect the soil type and erosion characteristics of the site.

- Erosion & pollution control measures shall incorporate the following: Construction of a sediment trap at the vehicle access point to the subject site
- Sediment fencing using a geotextile filter fabric in the location indicated on the erosion control plan or as instructed on site by the
- Earth banks to prevent scour of stockpiles
- Sandbag kerb sediment traps
 Straw bale & geotextile sediment filter.
- Exposed banks shall be pegged with an approved Jute matting in preparation for mass planting

Refer to 'Guidelines for Erosion and Sediment Control on Building Sites' by DLWC (2000) for construction techniques

SOIL WORKS

Specified Soil Conditioner (Generally to improve site soil)

The specified soil conditioner for site top-soil improvement shall be an organic mix complies with AS 4454-2012 Composts, soil conditioners and mulches. Note that for sites where soil testing indicates toxins or extremes in pH, or soils that are extremely poor, allow to excavate and supply 300mm of imported soil mix.

New gardens & proposed Planting

New garden and planting areas shall consist of a 50/50 mix of clean site soil (refer d) below) and imported soil. All mixes are to comply with AS4419-2003 Soils for Landscaping and garden use, & AS 4454 Composts, Soil conditioners & mulches.

Specified Soil Mix - Turf

The specified soil mix for all turf areas shall be a min 75mm layer of imported soil mix consisting of 80% washed river sand (reasonably coarse), and 20% composted organic matter equivalent to mushroom compost or soil conditioner, or other approved lawn top dress.

Site topsoil is to be clean and free of unwanted matter such as gravel, clay lumps, grass, weeds, tree roots, sticks, rubbish and plastics, and any deleterious materials and materials toxic to plants. The topsoil must have a pH of between 5.5 and 7. Use 100% imported soil mix when site when site topsoil runs out.

2.02 INSTALLATION

Note: No level changes (Cut or Fill), soil ripping within the Tree Protection Zones of trees to be retained a) Testing

All testing is to be conducted in accordance with AS4419-2003 Soils for Landscaping and garden use Methods for testing soils for engineering purposes. Site soil shall be given a pH test prior to modifying to ensure conditions are appropriate for planting as stated above. Tests shall be taken in several areas where planting is proposed, and the pH shall be adjusted accordingly with sulphur or lime to suit.

Note that a soil test conducted by the Sydney Environmental & Soil Laboratory or approved equal shall be prepared for all commercial. industrial and multi-unit residential sites. The successful landscape contractor shall implement the recommendations of this test.

Set Out of Individual Trees & Mass Planting Areas

All individual tree planting positions and areas designated for mass planting shall be set out with stakes or another form of marking, ready for inspection and approval. Locate all services.

Establishing Subgrade Levels

Subgrade levels are defined as the finished base levels prior to the placement of the specified material (i.e. soil conditioner). The following subgrade levels shall apply:

- Mass Planting Beds 300mm below existing levels with specified imported soil mix.
- Turf areas 100mm below finished surface level.

Note that all subgrades shall consist of a relatively free draining natural material, consisting of site topsoil placed previously by the Civil Contractor. No builders waste material shall be acceptable

d) Subgrade Cultivation

Cultivate all subgrades to a minimum depth of 100mm in all planting beds and all turf areas, ensuring a thorough breakup of the subgrade into a reasonably coarse tilth. Grade subgrades to provide falls to surface and subsurface drains, prior to the placement of the final

e) Drainage Works

Install surface and subsurface drainage where required and as detailed on the drawing. Drain subsurface drains to outlets provided, with a minimum fall of 1:100 to outlets and / or service pits.

Placement and Preparation of Specified Soil Conditioner & Mixes.

- Trees in turf & beds Holes shall be twice as wide as root ball and minimum 100mm deeper backfill hole with 50/50 mix of clean site soil and imported "Organic Garden Mix" as supplied by ANL or approved equal.

 Mass Planting Beds - Install specified soil conditioner to a compacted depth of 100mm

Place the specified soil conditioner to the required compacted depth and use a rotary hoe to thoroughly mix the conditioner into the top 300mm of garden bed soil. Ensure thorough mixing and the preparation of a reasonably fine tilth and good growing medium in preparation

Turf Areas - Install specified soil mix to a minimum compacted depth of 75mm.

Place the specified soil mix to the required compacted depth and grade to required finished soil levels, in preparation for planting and turfing.

PLANTING

3.01 MATERIALS

a) Quality and Size of Plant Material

All trees supplied above a 25L container size must be grown and planted in accordance with AS 2303:2018

Tree stock for landscape use. Certification that trees have been grown to AS2303:2018 guidelines is to be provided upon request of Council's Tree Management

The following plant quality assessment criteria should be followed:

Plant true to type, Good vigour and health, free from pest & disease, free from injury, self-supporting, good stem taper, has been pruned correctly, is apically dominant, has even crown symmetry, free from included bark & stem junctions, even trunk position in pot, good stem structure

Good root division & direction, rootball occupancy, rootball depth, height of crown, non-suckering For further explanation and description of these assessment criteria, refer to AS2303:2018

All Plant material shall be to the type and size specified. No substitutions of plant material shall be permitted without written prior approval by the Landscape Architect. No plant shall be accepted which does not conform to the standards listed above.

Stakes and Ties

Provide min. 3 No. Stakes and ties to all plants identified as trees in the plant schedule. Stakes shall be sound, unpainted, straight hardwood, free of knots and pointed at one end. They shall be 2200mm x 50mm x 50mm Hardwood, or approved alternative. Ties shall be 50mm wide hessian webbing material.

Fertilisers shall be approved slow release fertilisers suitable for the proposed planting types. Note that for native plants, specifically Proteaceae family plants including Grevillea species, low phosphorus fertilizers shall be used.

Aulch shall be an approved equal to "Forest Blend" as supplied by ANL. Mulch shall be completely free from any soil, weeds, rubbish or other debris.

e) Turf
Turf shall be soft leaf Buffalo or equivalent (unless stated otherwise), free from any weeds and other grasses, and be in a healthy growing

3.02 INSTALLATION

Setting Out

All planting set out shall be in strict accordance with the drawings, or as directed. Note that proposed tree planting located near services should be adjusted at this stage. Notify Landscape Architect for inspection for approval prior to planting.

b) Planting
All plant material shall be planted as soon after delivery as possible. Planting holes for trees shall be excavated as detailed and specified Plant containers shall be removed and discarded, and the outer roots gently teased from the soil mass. Immediately set plant in hole and backfill with specified soil mix, incorporating the approved quantity of fertiliser for each plant type. Ensure that plants are set plumb vertically and root balls set to the consolidated finished grades detailed on the drawings. Compact the backfilled soil and saturate by hand watering to expel any remaining air pockets immediately after planting.

c) Staking and Tying
Staking and tying shall be in strict accordance with the drawings and shall occur immediately following plant placement and soil backfilling. All plants identified as "Trees" on the planting schedule shall be staked with a min. 3 stakes.

Mulch should be spread so that a compacted thickness of 75mm is achieved after settlement in all planting beds and around each individual plant. Apply immediately following planting and watering in, ensuring that a 50mm radius is maintained around the trunk of each plant. There shall be no mixing of soil and mulch material.

e) Turfing

Moisten soil prior to the turf being laid. Turf shall be neatly butt jointed and true to grade to finish flush with adjacent surfaces. Incorporate a lawn fertilizer and thoroughly water in. Keep turf moist until roots have taken and sods/rolls cannot be lifted. Keep all traffic off turf until this has occurred. Allow for top dressing of all turf areas. All turf shall be rolled immediately following installation

Nature Strip and public domain works

The nature strip (street frontage) for the site is public land, and only authorized works may occur here.

Existing Conditions such as street trees, council planting etc shall be retained and protected during construction, unless specific approval has been granted for new work in this area. Where council policy specifies a particular unit paver, material finish, pattern or treatment, it shall be the contractors responsibility to check and verify that this material & treatment is correct and current prior to undertaking construction works' HARDSCAPE WORKS

NOTATION/AMENDMENT

A 18.06.19 Preliminary plan prepared for review

4.01 GENERAL

The Contractor shall undertake the installation of all hardscape works as detailed on the drawing, or where not detailed, by manufacturers

· Paving - refer to typical details provided, and applicable Australian Standards. Permeable paving may be used as a suitable means of satisfying Council permeable surface requirements, while providing a useable, hardwearing, practical surface. In most instances, the client shall nominate the appropriate paving material to be used.

Australian Standards shall be adhered to in relation to all concrete, masonry & metal work. Some details are typical and may vary on site. All hardscape works shall be setout as per the drawings, and inspected and approved by the Landscape Architect prior to installation. All workmanship shall be of the highest standard. Any queries or problems that arise from hardscape variations should be bought to the attention of the Landscape Architect.

Your attention is directed to any obligations or responsibilities under the Dividing Fences Act, 1991 in respect of adjoining property owner/s which may arise from this application. Any enquiries in this regard may be made to the Crown Lands on 1300 886 235.

IRRIGATION WORKS

5.01 GENERAL (PERFORMANCE SPECIFICATION)

This is a general Irrigation Performance Specification only, as a guide for projects requiring irrigation systems as part of consent requirements or building contractual arrangements.

An automated irrigation system is recommended for the effective establishment of new gardens, and to assist with the success of planting

areas on terraces, over slabs and in Communal Open Spaces.

The inclusion of this general specification is no guarantee that an irrigation system forms part of the landscape scope of works, which will be

New irrigation systems to planting areas shall be a Commercial Grade Irrigation System conforming to all relevant Australian standards, including AS 3500 & the Gas and Electricity (Consumer Safety) Act 2017, Workplace Health & Safety Act 2011, & the latest Sydney Water An automated drip-irrigation system is to be installed to all gardens, planters and lawn areas in accordance with the approved Irrigation Design

This system shall be designed and installed by a qualified and licensed irrigation specialist, to the highest industry standards and to maximise the efficient usage of water The Installer is required to obtain all approvals necessary for the completion of works in accordance with the Laws of Australia, Laws of the

State of NSW, Liverpool Council By-Laws and Ordinances

<u>Drawings:</u>
- The Landscape Contractor nominated Licensed Irrigation Specialist shall provide irrigation drawings for approval upon engagement.

Design Requirements:

The irrigation system shall be installed prior to all planting works. It shall incorporate a commercially available irrigation system, with sub-surface dripper lines to irrigate all gardens, planters and lawn areas. It shall incorporate a suitable back flow prevention device for the scale of works, an in-line filter, check valves, and suitable high and low

density poly hose fittings and PVC piping to achieve flow rates suitable for specified planting.

- The irrigation application rate shall not exceed the infiltration rate of the soil or creates run-off
- The landscape contractor shall check the existing pressure available from the ring mains and size irrigation piping to suit. Supply shall be
- All piping and fittings shall be buried 50mm below the finished soil levels in garden and lawn areas, and secured in position at 500mm
- Size of pipes shall be selected to ensure the working pressure at the end of the line does not decrease by more than 5%.

Co-ordination required by Landscape Contractor or Project Manager to provide required conduit, pipe work and penetration through slabs and planter walls for water and power provision

The Landscape Contractor shall be engaged with the Irrigation Specialist to co-ordinate with the Project Manager to identify the preferred service and conduit locations.

Project Manager and Landscape Contractor to establish area suitable for irrigation control system with required area, power provision

Testing & Defects:
Upon completion of installation, the system shall be tested, including:

- Main Line Pressure Test: The main line is pressurised to test for leaks. All valves are shut and the pressure is taken over a determined
- Dripper Pressure Test: Measurement at flushing valves are taken and the pressure gauged to make sure it conforms to the manufacture recommendations. The inlet pressure is then tested under the same conditions to check it does not exceed 300Kpa.

 All components are to be satisfactorily functional and operational prior to approval. Should any defect develop, or the capacity or
- efficiency of the system decline during the agreed maintenance system, then these faults shall be immediately rectified

Warranty :
 A full 12 month warranty shall be included to cover labour and all parts.

<u>Further Documentation:</u>
- On request, a detailed irrigation performance specification report can be issued.

CONSOLIDATION AND MAINTENANCE

The consolidation and maintenance period shall be 12 months beginning from the approved completion of the specified construction work (Practical Completion). A qualified landscape maintenance contractor shall undertake the required landscape maintenance works. Consolidation and maintenance shall mean the care and maintenance of Contracted works by accepted landscaping or horticultural practices ensuring that all plants are in optimum growing conditions and appearance at all times, as well as rectifying any defects that become a

This shall include, but not be limited to, the following items where and as required

- Watering all planting and lawn areas / irrigation maintenance
- Clearing litter and other debris from landscaped areas.
- oving weeds, pruning and general plant maintenance. Replacement of damaged, stolen or unhealthy plants.
- Make good areas of soil subsidence or erosior Topping up of mulched areas. Spray / treatment for Insect and disease control
- Mowing lawns & trimming edges each 14 days in summer or 18 days in winter

Adjusting ties to Stakes Maintenance of all paving, retaining and hardscape elements

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On the completion of the maintenance period, the landscape works shall be inspected and at the satisfaction of the superintendent or landscape architect, the responsibility will be signed over to the client.

General Notes:

take preference to scale readings. Verify all dimensions on site. PDF'd plans nay vary slightly in Scale for that indicated on plans. Report any discrepancies to the Landscape urchitect before proceeding with the work.

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Conzept) until such time as all agreed payments are made in full. We retain the right to withdraw the mation from the assessment process if such payments are not made following the notification perior.





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PROPOSED COMMERCIAL CAR PARKING DEVELOPMENT **BURANDO ROAD**

PRESTONS

LPDA 19 - 195 / 5 **JUNE 2019** R.F