

Works	CANOPY COVERAGE ASSESSMENT
Project	Stage J2, Lucas
Date	Tuesday, 20 July 2021
PLOT Drawing	PLA438-L01-L03_TP1

Road **Lakeland Drive**

Code	Tree Species	Quantity	Radius (m)	Canopy Area (m2)	TOTAL CANOPY
UPB	<i>Ulmus parvifolia</i> 'Burnley Select'	25	4	50	1257
Total					1257
Road Reserve Area					3310
Canopy Coverage for Lakeland Drive					38%

Road **Quirk Road**

Code	Tree Species	Quantity	Radius (m)	Canopy Area (m2)	TOTAL CANOPY
LHT	<i>Lagerstroemia</i> hybrid 'Tuscarora'	8	2	13	101
Total					101
Road Reserve Area					852
Canopy Coverage for Quirk Road					12%

Road **Holst Way**

Code	Tree Species	Quantity	Radius (m)	Canopy Area (m2)	TOTAL CANOPY
GTS	<i>Gleditsia triacanthos</i> 'Shademaster'	2	4	50	101
Total					101
Road Reserve Area					375
Canopy Coverage for Holst Way					27%

Road **Messenger Parade**

Code	Tree Species	Quantity	Radius (m)	Canopy Area (m2)	TOTAL CANOPY
EML	<i>Eucalyptus mannifera</i> 'Little Spotty'	8	3	28	226
Total					226
Road Reserve Area					1027
Canopy Coverage for Messenger Parade					22%

Stage Total					30%
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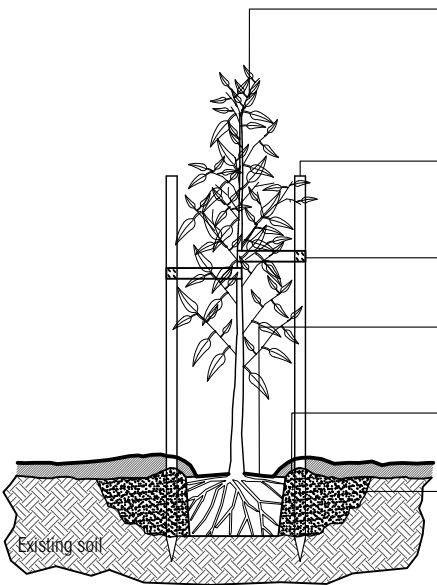
CONTEXT AND SHEET LAYOUT PLAN - Stage J2, Lucas

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Drawing Number
PLA438-L01 Sheet Layout, Plant Schedule and Tree Detail
PLA438-L02 Street Tree Plan 01
PLA438-L03 Street Tree Plan 02

MASTER PLANT SCHEDULE

Code	Botanical Name	Common Name	Plant Size	Qty
Trees				
EML	<i>Eucalyptus mannifera</i> 'Little Spotty'	Little Spotty Gum	20 ltr container, min. height 1.2m	8
GTS	<i>Gleditsia triacanthos</i> 'Shademaster'	Shademaster Honey Locust	45 ltr container, min. height 2.2m	2
LHT	<i>Lagerstroemia</i> hybrid 'Tuscarora'	Tuscarora Crepe Myrtle	45 ltr container, min. height 2.2m	8
UPB	<i>Ulmus parvifolia</i> 'Burnley Select'	Burnley Select Chinese Elm	45 ltr container, min. height 2.2m	25



All trees shall conform to the *AS 2303-2015 Tree Stock for Landscape Use*. In particular they shall:

- be healthy specimens free of pests, diseases, wounds or significant injury;
- have good branching off a strong central leader and adequate crown density, symmetry and form;
- have a stem taper that is self-supporting and an appropriate height and trunk calliper.

Trees are to be well watered a maximum of 24 hours prior to planting.

3 No. 38 x 38mm x 1800mm/2400mm hardwood stakes (unless otherwise specified by City of Ballarat), set vertical and clear of rootball. Stakes shall be driven a minimum depth of 300mm into ground. Avoid damage to rootball and ensure no damage is caused to underground services.

3 No. 50mm wide hessian ties wrapped around trunk at approximately 1.0m height and securely stapled to stakes to allow some trunk movement.

Top of rootball to be flush with finished level of the planting hole. The rootball should show no sign of suckering or girdling.

Raised 75mm high berm (ring of soil) to form a watering basin and direct water into rootball. Berm shall begin at root ball periphery. 75mm depth approved hardwood mulch to be kept clear of trunk, and spread a minimum of 1200mm diameter from the centre of the tree to ensure planting hole is covered.

Excavate sloping shallow planting hole minimum 3 times the width of the rootball and break-up sides and base. Depth of planting hole no deeper than the height of the root ball. Backfill hole with site topsoil broken up to friable texture and firming progressively. Apply a suitable, slow-release fertiliser.

- NOTES:
1. The location of services shall be confirmed prior to excavation.
 2. Watering in of trees shall be completed on the same day as planting and be sufficient to consolidate the backfill around the roots.

TP1	Town Planning Approval	AD	20.07.21
P3	Revisions re: civil, power and NBN	AD	25.06.21
P2	Revisions re: power and NBN plan	AD	10.05.21
P1	Preliminary Issue for Client Review	AD	06.04.21
Revision	Description	Initials	Date
APPROVAL ISSUE			
Status			

Planning Permit PLP/2019/194

Notes

1. All dimensions to be checked on site before commencing work. All measurements are in metres, unless otherwise shown.
2. The locations of underground services and light poles are indicative only - refer to engineering drawings for design service offsets.
3. The location and depth of services shall be verified on site prior to the commencement of works. The Contractor shall be liable for any damage to services during the landscape works.
4. Standard Street Tree Offsets.
 - Standard offset from the back of kerb is 1.2m unless otherwise shown.
 - It is assumed that all Underground Cable in close proximity to the 'tree zone' * (5m diameter x 600mm depth) shall be within conduits or have cover slabs to provide a higher level of infrastructure protection. (*Refer 12.0 'Distribution Construction Standard Underground Trenching GA211' by Citypower and Powercor).
 - Minimum setback of 2.5m to underground electricity cable joints / tees.
 - Minimum setback of 2.0m to service assets including pits and conduit crossings.
 - Minimum setback of 0.75m to domestic service tapping points and 2.0m to stormwater outlets.
 - Minimum setback of 1.2m to footpath crossings and 3.0m to driveways where they are existing or known.
 - Minimum setback of 3.0m to fire hydrants.
 - Minimum setback of 4.0m to light poles.
5. Proposed Street Trees.
 - Tree position in front of lots may change slightly due to 'actual' location of services, and constructed driveway crossings.
 - Setback from intersection (kerb) shall be a minimum of 10m in accordance with City of Ballarat Landscape Design Manual (LDM).
 - Following City of Ballarat approval of these landscape plans any variation to the number or species of street trees requires approval by City of Ballarat.
6. Planting. All trees, shrubs and groundcovers shall be planted in accordance with LDM, unless otherwise specified.
7. Mulch. Mulch shall be recycled hardwood (or similar approved) in general accordance with LDM, unless otherwise specified.
8. Grass Seeding. Reseed nature strips and other grassed areas where there has been disturbance due to landscape works with a proprietary grass seed mix in accordance with the LDM.



Client / Project

Integra

Stage J2
Lucas, Ballarat

Sheet Layout, Plant Schedule and Tree Detail

Drawn	Approved	Date	North
AD	RH	20.07.2021	
Scale (A1)	Scale (A3)	Sheet	
NTS	NTS	1 of 3	

Drawing Number
PLA438-L01

Revision
TP1

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TYPICAL TREE PLANTING DETAIL

NOT TO SCALE.



Continued on L03

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APPROVAL ISSUE

Planning Permit PLP/2019/194

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9. Refer to drawing L01 for Plant Schedule.

Legend

Existing street trees planted as part of another stage.

Proposed Street Trees - *Ulmus parvifolia* 'Burnley Select' (Chinese Elm) [UPB]

Proposed Street Trees - *Gleditsia triacanthos* Shademaster (Shademaster - Honey Locust) [GTS]

Proposed Street Trees - *Lagerstroemia* hybrid 'Tuscarora' (Tuscarora Crepe Myrtle) [LHT]

Alternative tree location if driveway is located where street tree is proposed.

Plant Label and Code

Service Offsets

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LANDSCAPE ARCHITECTS

WWW.PLOT.LA/CONTACT
PH: 03 9407 2246
F: 03 9407 2246

Client / Project

Integra

Stage J2
Lucas, Ballarat

Drawing Title

Street Tree Plan 01

Drawn

Approved

Date

North

AD

RH

20.07.2021

Scale (A1)

Scale (A3)

Sheet

1:250

1:500

2 of 3

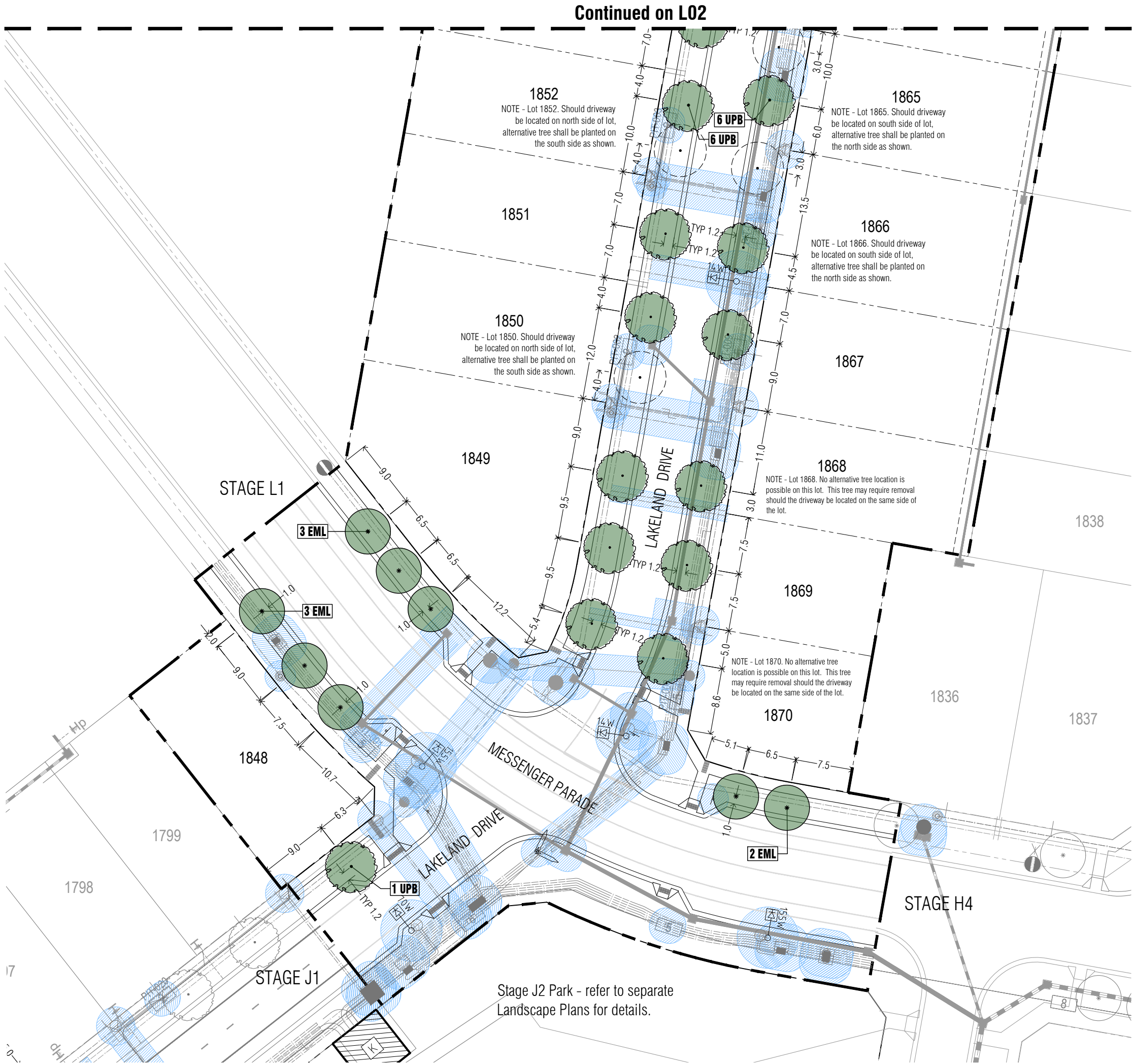
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Drawing Number

Revision

PLA438-L02

TP1



TP1	Town Planning Approval	AD	20.07.21
P2	Revisions re: civil, power and NBN	AD	25.06.21
P2	Revisions re: power and NBN plan	AD	10.05.21
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APPROVAL ISSUE

Planning Permit PLP/2019/194

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Legend

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- Proposed Street Trees - *Ulmus parvifolia* 'Burnley Select' (Chinese Elm) [UPB]
- Proposed Street Trees - *Eucalyptus mannifera* 'Little Spotty' (Little Spotty Gum) [EML]
- Alternative tree location if driveway is located where street tree is proposed.
- Plant Label and Code
- Service Offsets

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Client / Project

Integra
Stage J2
Lucas, Ballarat

Drawing Title

Street Tree Plan 02

Drawn	Approved	Date	North
AD	RH	20.07.2021	
Scale (A1)	Scale (A3)	Sheet	
1:250	1:500	3 of 3	

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Drawing Number

PLA438-L03

Revision

TP1