

Appendix B.11 Landscape Design Plan

PROPOSED KALFRESH 6206 CUNNINGHAM HIGHWAY, KALBAR Landscape Works Package

Prepared

By



For



ANDREW GOLD LANDSCAPE ARCHITECTURE

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SITE LOCATION PLAN



TAKEN FROM NEARMAP DATED: 27/11/23



SCHEDULES

DRAWING SCHEDULE		
DWG NO	DRAWING TITLE	ISSUE
000	COVER SHEET	F
001	LANDSCAPE NOTES	F
002	PLANTING SCHEDULE	F
003	PLANTING IMAGES	F
100	MASTER PLAN	F
101	LANDSCAPE PLAN (CUNNINGHAM HIGHWAY FRONTAGE)	F
102	LANDSCAPE PLAN (OVERLAND FLOW PATH)	F
103	LANDSCAPE PLAN (HAULAGE ROUTE FRONTAGE)	F
104	LANDSCAPE PLAN (PRIMARY FRONTAGE)	F
200	PERSPECTIVES (FRONTAGE TYPES)	F
300	BUFFER LANDSCAPE PLAN	F
400	STREET LANDSCAPE PLAN	F
401	STREET LANDSCAPE PLAN	F
402	STREET LANDSCAPE TYPICAL SECTIONS	F
500	LANDSCAPE DETAILS	F

ISSUE	DATE	REASON
F	07/02/24	FINAL - FOR APPROVAL
E	19/01/24	SUBMISSION TO SCRC
D	18/01/24	AMENDMENTS AS REQUIRED
C	16/01/24	AMENDMENTS AS REQUIRED
B	19/12/23	AMENDMENTS AS REQUIRED
A	08/12/23	DRAFT FOR REVIEW

ISSUE DATE REASON

THIS DRAWING HAS BEEN PREPARED WITH ALL CARE FROM BASE INFORMATION AVAILABLE AT THE TIME OF PREPARATION. ALL EXISTING AND RETAINED ELEMENTS ARE SHOWN INDICATIVELY ONLY. THE LOCATION OF THESE ELEMENTS ARE BASED FROM SURVEY INFORMATION. ALL PLANS AND DETAILS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT CONSULTANTS DOCUMENTATION PACKAGES, INCLUDING (BUT NOT LIMITED TO) ARCHITECTURAL, CIVIL, STRUCTURAL, HYDRAULIC, ELECTRICAL, LIGHTING AND SIGNAGE DOCUMENTATION. ALL ABOVE AND BELOW GROUND SERVICE LOCATIONS ARE SHOWN INDICATIVELY. REFER TO THE RELEVANT ENGINEERS DRAWINGS AS REQUIRED. ALL DIMENSIONS ARE TO BE VERIFIED ON SITE.

PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
COVER SHEET

JOB No. 23.274 DWG No. 000 ISSUE F DRAWN BY CP CHECKED BY AG

NOT FOR CONSTRUCTION

LANDSCAPE NOTES

GENERAL NOTES

A. ARCHITECTURAL WORKS INFORMATION

Refer to Architect's drawings for all information contained within these documents related to and nominated as Architectural Works. This includes all hardscape items such as paving, outdoor structures / shelters, walls and fencing. Architectural Works information contained within these documents are indicative only and not for construction or certification purposes.

B. CIVIL WORKS INFORMATION

Refer to Civil Engineer's drawings for all information contained within these documents related to and nominated as Civil Works. Civil Works information contained within these documents are indicative only and not for construction or certification purposes.

C. STRUCTURAL WORKS INFORMATION

Refer to Structural Engineer's drawings for all information contained within these documents related to and nominated as Structural Works. This includes retaining walls. Structural Works information contained within these documents are indicative only and not for construction or certification purposes.

D. ELECTRICAL WORKS INFORMATION

Refer to Electrical Engineer's drawings for all information contained within these documents related to and nominated as Electrical Works. Electrical Works information contained within these documents are indicative and not for construction or certification purposes.

E. HYDRAULIC WORKS INFORMATION

Refer to Hydraulic Engineer's drawings for all information contained within these documents related to and nominated as Hydraulic Works. Hydraulic Works information contained within these documents are indicative only and not for construction or certification purposes.

LANDSCAPE SPECIFICATION NOTES

LEVELS - GENERAL NOTES

When setting out lines and levels ensure the accurate formation of grades and crossfalls leading to drains to enable surplus water to reach the drainage system and to prevent potential erosion channels. Ponding is unacceptable.

Minimum crossfalls are as follows:

- Paving and artificial grass 1:75
- Grassed and mulched garden areas 1:50

Maximum crossfalls are as follows:

- Paving 1:40
- Grassed areas 1:5
- Mulched garden areas 1:3

Finish organic mulch surfaces adjacent paving surfaces and / or edging. Finish lawn surfaces flush with adjacent paving surfaces and / or edging. Ensure adequate falls in finished surface levels away from buildings to drainage collection points (eg, field inlets, etc).

SUBSOIL DRAINAGE - GENERAL NOTES

Ensure adequate subsoil drainage elsewhere by installing suitable agricultural drainage systems where necessary, and especially in areas subjected to site excavation works including retaining walls.

Lay subsoil drains in:-

- Garden beds that are adjacent to buildings surrounded on all sides by pavements or in any garden beds where water is likely to pond;
- In any grassed areas where water is likely to sit and be unable to disperse quickly
- Behind retaining walls and raised kerbs
- In locations as shown on the drawings

Unless otherwise specified, all subsoil drains shall be corrugated, 90mm slotted PVC contour pipe, wrapped in Bidum V14 filter cloth or equal equivalent. Filter gravel to be 10mm clean washed aggregate. Lay drainpipe in continuous lengths where possible with minimum 1:100 falls. Discharge pipes into stormwater system.

Where grades are not sufficient to carry water out of the landscape area adequately and safely, supply and install drainage sump/ to catch excess water.

Sumps are to be fitted with a heelguard no-slip grate and connected to the stormwater system. Refer to Hydraulic and Civil Engineer's drawings for drainage pit specifications and connections.

PLANTS

- NATSPEC shall apply to trees where Council requires this certification.
- Trees must meet AS 2303:2018 Tree Stock for Landscape Use
- Plants are to be good quality nursery stock from a NIASA Accredited nursery
- They shall be fundamentally free of pest and diseases, vigorous, well established, hardened off, of good form consistent with species or variety, not soft or forced with large healthy root systems with no evidence of having been restricted or damaged. Trees shall have a single leading shoot.
- Provide plants of a height and spread appropriate to the specified pot size and species.
- Mature tree stock shall be properly prepared for transport with adequate measures taken to protect against shock and wind damage.
- Ensure sequencing with site foreman to avoid delays planting mature tree stock.
- After installation they shall be thoroughly watered.
- Trees to be single-trunked canopy shade tree species able to attain a clear trunk height of 1800mm on maturity.

TURF

SUBGRADE PREPARATION:

Turfed areas shall be prepared initially by removing all deleterious material
Cultivate subgrade surface by thoroughly ripping to a minimum depth of 150mm before spreading topsoil unless otherwise directed (ie: no cultivation under trees to be retained)

SOIL:

Spread turf underlay topsoil to a minimum depth of 100mm unless otherwise directed. Proposed topsoil must comply with Australian Standards AS4419-2003 and described as 'Soil blend'.

TURF:

- To be fundamentally free from weeds and disease or other deleterious substances.
- New Road Reserves: Use "Wintergreen"
- Overland Flow Area: Use "Sir Walter"

INSTALLATION:

Turf shall be close turfed with staggered cross-joints and laid in straight lines, running perpendicular to the direction of slope (and/or parallel to contours).

Proposed topdressing soil to comply with Australian Standards AS4419-2003 and as described as 'Topdressing'.

All joints shall be filled with an approved topdress light soil or sand and the turf shall be lightly rolled.

Finished levels shall be 30mm below surrounding surface levels to allow for future top dressing. Allowance should be made for shrinkage and settling.

Turf shall be adequately watered once installed, refer Management Plans.

Ensure protection from trampling. Lay turf within 36 hours of being cut.

FERTILISER:

Fertiliser to be applied to the turf at the rates and period of time from installation as recommended by the supplier. If no starter Fertiliser supplied by the supplier, we recommend:

Dynamic Lifter Turf Starter
<http://www.yates.com.au/products/fertilising/organic-based/dynamic-lifter-turf-starter/#bCQXOZuFJZ01x1b 97>
Lawn Builder™ Seed & Turf Starter Slow Release Lawn Fertiliser:
<https://www.scottsaustralia.com.au/scotts-brands/lawn-builder/lawn-builder-slow-release-lawn-fertiliser/lawn-builder-seed-turf-starter-slow-release-lawn-fertiliser/>

SOIL WETTING AGENT:

We recommend the application of a soil wetting agent wetting agent (ie: non biodegradable detergent not crystals) to stop hydrophobia if not already in the starter fertiliser supplied with the turf, at the rates recommended by the manufacturer:

- Scotts Hydratrow Wetta Soil
- Searle's Penetraide
- Plant of Health Soils Soaker

WEEDS, PESTS DISEASE MANAGEMENT:

Weeds are required to be removed by physical or chemical (non-residual Glyphosate or other herbicides) means. If chemical means, as per the manufacturer recommendations. Refer to the following reference for guideline on weeds, pest and disease management

REFERENCE:

<http://theleafguide.com.au>

PLANTING BEDS

SUBGRADE PREPARATION:

Cultivate subgrade surface by thoroughly ripping to a minimum depth of 150mm before spreading topsoil.

TOPSOIL:

Spread topsoil to a minimum depth of 300mm unless otherwise directed. Proposed topsoil must comply with Australian Standards AS4419-2003 and described as 'Soil blend'.
Provide certification of soil types delivered to site, as per AS4419-2003.

PLANTS:

Mature tree stock shall be properly prepared for transport with adequate measures taken to protect against shock and wind damage.
Ensure sequencing with site foreman to avoid delays planting mature tree stock.

FERTILIZER:

Ensure soil nutrient and PH levels are suitable for specific plant species (ie: native or exotic species)
Apply slow release fertilizer to each plant as per manufacturer's recommended rates.
A slow or controlled release fertiliser organic or inorganic to be incorporated generally into the imported (or excavated / site topsoil). We recommend the following:

- Inorganic Slow or Controlled Release fertilisers:
- Osmocote
 - Nutricote
 - Macrocote
 - E-Scape PRO by eCo-Environment

Organic slow release:

- Dynamic Lifter
- Organic Link by Plant of Health

WETTING AGENT:

A wetting agent and / or soil ameliorant including a wetting agent is required to all mass planting beds:

- Scotts Hydratrow Wetta Soil
- Searle's Penetraide Plant of Health Soils Soaker
- Multipro by eCo-Environment

PLANTING:

To locations as shown on the plan and to the sizes and numbers as shown on the schedule.

ORGANIC MULCHING:

Proposed mulch must comply with Australian Standards AS4454-2003. 'Composts, soil conditioners and mulches'. Spread an even cover of Aged double tub ground forest mulch to a minimum depth of 100mm entirely over planting bed areas where organic mulch is specified.

Rake smooth to finish flush with surround levels. Do not place in contact with stems of plants.

Any mulch used must be free of peanut shell or other militant material.

SPADE CUT GARDEN EDGE

Install to the locations as per the details.

IRRIGATION

Planting plan has been designed to survive without an automatic irrigation system. Water additives and water retention elements, along with hardy water-wise plants will ensure an irrigation system is not imperative to the long-term maturation and survival of the proposed plants. If approved, install an automatic, fixed position, low pressure sprinkler irrigation system to all landscaped areas shown on the drawings internal to the site only, to Scenic Rim Regional Council approval. The irrigation shall meet the following performance requirements and as per the manufacturers and/or installers specifications:

- Summer target application of 32mm
- Fully automatic and metered
- Recycled water use (from rainwater tanks)
- Commercial quality fittings and fixtures
- Mainslines
- Dringline system under mulch
- RPZ backflow prevention device

All design and documentation, materials supplied and work carried out should be in accordance with the current relevant Australian Standards and best practice.

GENERAL NOTES:

- All materials and workmanship shall be to the relevant Australian Standards.
- Where pipe work shown running parallel under paved surfaces, has been done so for clarity purposed only.
- All pipe work is to be installed within soft landscaped areas only where possible.
- Pipe tops over mainslines not shown. All connections to mainslines only to solenoid valve locations.
- Contractor shall undertake the radius adjustment of all rotor sprinklers as required.
- For all sprinkler heads to back of road kerbs, water supply lateral to be installed minimum of 500mm off back of kerb.
- All pipe work under concrete paving to be installed in sleeves.
- All pipe work under removable paving may be pre-laid prior to paving works.
- All pipe work under retained area to be pre-laid prior to retaining wall construction.
- Irrigation mainline alignments in verges to be in standard alignment zone for trees i.e. 2.5m to 3m from property boundary unless otherwise noted.
- Cross-stacking of pipe fittings is not allowed.
- Lateral pipe work routed parallel to mainslines shall not be installed directly above mainslines. Laterals must be horizontally offset by a minimum of 300mm from mainslines.
- All pipe work shall be routed around any existing trees and no closer than tree canopy 'drip line'. All tree roots smaller than 50mm diameter which are damaged during excavation shall be cleanly cut with a saw or secateurs. Any tree roots 50mm or greater encountered are not to be damaged and pipe trench shall be hand-excavated, thrust bored (plunked) or air-drilled (either pressure and/or suction).
- A minimum length of 200mm of pipe shall be provided between fittings in lateral pipe work.
- Please note that this drawing is to be read in conjunction with the detail drawing and the specifications.

WATER BUDGET AND CONSUMPTION NOTES

- Irrigation area is for current project works stage only and is approximate. The area has been calculated from the valve data able as a function of flow rate and nominal precipitation rate.
- Operator to be aware of any water usage restrictions which may be applicable, such as total exclusion periods (e.g. June to August inclusive) and/or restrictions on the number of cycles per week (e.g. groundwater - 3 cycles per week, potable scheme water - 2 cycles per week).

PLANT ESTABLISHMENT / CONTINUING MAINTENANCE

Allow a 12 WEEK for landscape areas and 12 MONTH for Streetscape for Plant Establishment Period from Practical Completion to the satisfaction of the Landscape Architect.

- Maintain adequate watering regime
- Remove weed growth from all mass planting beds and turfed areas
- Keep landscape areas tidy and free of litter and debris
- Fertilise (as per the notes above)
- Weed control (as per the notes above)
- Prune planting, control pest and disease management (as per the notes above) to maintain healthy growth
- Replenish mulch material where necessary
- Replace dead / dying plant material
- Reinstall stakes, ties and marker stakes where necessary
- Reinstall erosion control matting and other erosion control measures as necessary
- Make good any disturbance to surfaces and mulch

Continue maintenance works beyond Plant Establishment Period as required.

MANAGEMENT PLAN/S:

The turfed areas shall be thoroughly watered on the day of turf installation and then as follows at the equivalent of 5l/m², including natural rainfall, or as required to maintain active healthy growth.

Weeks 1-3: Twice a week

Weeks 3-12: Once a week or as necessary

If no irrigation, apply the above rates to the mass planting beds. Watering to use rainwater tanks if possible.

SPECIAL NOTE

Accord particular diligence to the following prime items:

TOPSOIL QUALITY and SUBGRADE PREPARATION as specified.

PLANT QUANTITY: Use only consistently well nurtured nursery stock from an approved supplier. Check with Landscape Architect where species substitutions must be made.

MAINTENANCE: Ensure a continuing maintenance program, including weed/disease, fertilising, watering (but beware of over-watering) and replacement of ailing plant material.

GUARANTEE

Failure to adequately address these items, best practice and relevant Australian Standards WILL result in a sub-standard landscape outcome.



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PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
LANDSCAPE NOTES

JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	001	F	CP	AG

NOT FOR CONSTRUCTION

PLANTING SCHEDULE

The spacing of plants shown on plan have been derived as a compromise between growth rate, anticipated size, and the ability to provide a good vegetative cover within a reasonable space of time. Quantities indicated have been based on the spacing of individual plants appropriate to the available area for the particular species used; where this available area increases (or decreases) through the course of construction, quantities may also need to increase (or decrease) to maintain the plant spacings indicated on plan.

AGLA recommends early plant procurement to ensure species availability and minimum plant sizes.

CODE	BOTANICAL NAME	COMMON NAME	SIZE**	QUANTITY PER UNIT	SPACING	HEIGHT*	WIDTH*
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SCREEN LANDSCAPE - BUFFER TO CUNNINGHAM HIGHWAY

As informed by Scenic Rim Planning Scheme's Preferred Landscape Species' within Planning Scheme Policy 2: Landscape Design; Table 22.1 General Trees, Table 22.3(a) Landscape Trees, Table 22.3(b) Landscape Tree Species - 3 to 5 metres, Table 22.3(c) Landscape Dwarf Shrubs - 1 to 1.5 metres, Table 22.3(d) Groundcovers, and Table 22.3(e) Clumping Bulbs, Lillies and Grasses

LARGE TREES

Bp	<i>Brachychiton populneus</i>	Kurrajong	300mm	2	13-18	20	8
Lc	<i>Lophostemon confertus</i>	Brush Box	300mm	1	13-18	20	10
Pe	<i>Podocarpus elatus</i>	Brown Pine	300mm	1	13-18	20	8

MEDIUM TREES

Bc	<i>Buckinghamia celsissima</i>	Ivory Curl	300mm	3	5-8	12	5
Er	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	300mm	2	5-8	12	5
Sa	<i>Syzygium australe</i>	Lillypilly	300mm	3	5-8	8	6
Xc	<i>Xanthostemon chrysanthus</i>	Golden Penda	300mm	3	5-8	12	8

LARGE SHRUBS

CAL WW	<i>Callistemon viminalis</i> Wilderness White	Bottlebrush	200mm	12	2	3	2
GRE M	<i>Grevillea Moonlight</i>	Grevillea	200mm	6	3	5	4
MEL lin	<i>Melaleuca linariifolia</i> Snow in Summer	Bottlebrush	200mm	6	2	6	3
SYZ res	<i>Syzygium australe</i> Resilience	Lillypilly	200mm	6	2	5	3

GROUNDCOVERS TO SHRUBS

LOM hys	<i>Lomandra hystrix</i>	Mat Rush	TS	54	1.2	1.8	1.5
MEL S	<i>Melaleuca linariifolia</i> Snowstorm	Snowstorm Paperbark	140mm	18	1.2	1.5	1.5
WES fru	<i>Westringia fruticosa</i>	Native Rosemary	140mm	24	1.2	2	1.5

SCREEN LANDSCAPE - OVERLAND FLOW PATH

As informed by Scenic Rim Planning Scheme's Preferred Landscape Species' within Planning Scheme Policy 2: Landscape Design; Table 22.1 General Trees, Table 22.3(a) Landscape Trees, Table 22.3(b) Landscape Tree Species - 3 to 5 metres, Table 22.3(c) Landscape Dwarf Shrubs - 1 to 1.5 metres, Table 22.3(d) Groundcovers, and Table 22.3(e) Clumping Bulbs, Lillies and Grasses

LARGE TREES

Bp	<i>Brachychiton populneus</i>	Kurrajong	300mm	1	13-18	20	8
Lc	<i>Lophostemon confertus</i>	Brush Box	300mm	2	13-18	20	10
Mq	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	300mm	1	13-18	15	8

MEDIUM TREES

Bc	<i>Buckinghamia celsissima</i>	Ivory Curl	300mm	3	5-8	12	5
Er	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	300mm	2	5-8	12	5
Sa	<i>Syzygium australe</i>	Lillypilly	300mm	3	5-8	8	6
Xc	<i>Xanthostemon chrysanthus</i>	Golden Penda	300mm	3	5-8	12	8

LARGE SHRUBS

CAL WW	<i>Callistemon viminalis</i> Wilderness White	Bottlebrush	200mm	12	2	3	2
GRE M	<i>Grevillea Moonlight</i>	Grevillea	200mm	6	3	5	4
MEL lin	<i>Melaleuca linariifolia</i> Snow in Summer	Bottlebrush	200mm	6	2	6	3
SYZ res	<i>Syzygium australe</i> Resilience	Lillypilly	200mm	6	2	5	3

GROUNDCOVERS TO SHRUBS

CAL WA	<i>Callistemon citrinus</i> White Anzac	Prostrate Bottlebrush	140mm	12	1.5	1.5	3
LOM hys	<i>Lomandra hystrix</i>	Mat Rush	TS	36	1.2	1.8	1.5
MEL S	<i>Melaleuca linariifolia</i> Snowstorm	Snowstorm Paperbark	140mm	9	1.2	1.5	1.5
THE tri	<i>Themeda triandra</i>	Kangaroo Grass	TS	9	1	1.5	0.8
WES fru	<i>Westringia fruticosa</i>	Native Rosemary	140mm	12	1.2	2	1.5

AESTHETIC LANDSCAPE - HAULAGE ROUTE FRONTAGE

As informed by Scenic Rim Planning Scheme's Preferred Landscape Species' within Planning Scheme Policy 2: Landscape Design; Table 22.1 General Trees, Table 22.3(a) Landscape Trees, Table 22.3(c) Landscape Dwarf Shrubs - 1 to 1.5 metres, Table 22.3(d) Groundcovers, and Table 22.3(e) Clumping Bulbs, Lillies and Grasses

TREES

Ee	<i>Elaeocarpus eumundii</i>	Smooth Leaved Quandong	45L	1	10	10	5
Hf	<i>Hymenosporum flavum</i>	Native Frangipani	45L	1	10	12	6
TI	<i>Tristaniopsis laurina</i>	Water Gum	45L	1	10	15	6
Xc	<i>Xanthostemon chrysanthus</i>	Golden Penda	45L	1	10	12	10

GROUNDCOVERS TO SHRUBS

CAL LJ	<i>Callistemon Little John</i>	Dwarf Bottlebrush	200mm	36	0.8	1	0.9
LEP PC	<i>Leptospermum hybrid</i> Pink Cascade	Pink Cascade	200mm	12	1	0.5	1.5
LOM KB	<i>Lomandra hystrix</i> Katie Belles	Mat Rush	140mm	9	0.8	1.8	1.5
MEL CT	<i>Melaleuca linariifolia</i> Claret Tops	Claret Tops	200mm	9	1	1.5	1
MYO par	<i>Myoporum parvifolium</i> Fine Leaf	Creeping Boobialla	200mm	6	1	0.15	2
WES Z	<i>Westringia Zena</i>	Dwarf Rosemary	200mm	15	0.9	1	1

AESTHETIC LANDSCAPE - PRIMARY FRONTAGE

As informed by Scenic Rim Planning Scheme's Preferred Landscape Species' within Planning Scheme Policy 2: Landscape Design; Table 22.1 General Trees, Table 22.3(a) Landscape Trees, Table 22.3(c) Landscape Dwarf Shrubs - 1 to 1.5 metres, Table 22.3(d) Groundcovers, and Table 22.3(e) Clumping Bulbs, Lillies and Grasses

TREES

Ee	<i>Elaeocarpus eumundii</i>	Smooth Leaved Quandong	45L	1	10	10	5
Hf	<i>Hymenosporum flavum</i>	Native Frangipani	45L	1	10	12	6
TI	<i>Tristaniopsis laurina</i>	Water Gum	45L	1	10	15	6
Xc	<i>Xanthostemon chrysanthus</i>	Golden Penda	45L	1	10	12	10

GROUNDCOVERS TO SHRUBS

CAL LJ	<i>Callistemon Little John</i>	Dwarf Bottlebrush	200mm	36	0.8	1	0.9
LEP PC	<i>Leptospermum hybrid</i> Pink Cascade	Pink Cascade	200mm	12	1	0.5	1.5
LOM KB	<i>Lomandra hystrix</i> Katie Belles	Mat Rush	140mm	9	0.8	1.8	1.5
MEL CT	<i>Melaleuca linariifolia</i> Claret Tops	Claret Tops	200mm	9	1	1.5	1
MYO par	<i>Myoporum parvifolium</i> Fine Leaf	Creeping Boobialla	200mm	6	1	0.15	2
WES Z	<i>Westringia Zena</i>	Dwarf Rosemary	200mm	15	0.9	1	1

CODE	BOTANICAL NAME	COMMON NAME	SIZE**	QUANTITY	SPACING	HEIGHT*	WIDTH*
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BUFFER LANDSCAPE - OVERLAND FLOW AREA

As informed by Scenic Rim Planning Scheme's Preferred Landscape Species' within Planning Scheme Policy 2: Landscape Design; Table 22.2 Tree Species for Creek Corridors and Creek Crossings and Ecological Assessment Report by 28 South Environmental

TREES

Et	<i>Eucalyptus tereticornis</i>	Queensland Blue gum	300mm	30	as shown	35-50	25-35
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STREET LANDSCAPE - NEW ROAD RESERVES

As informed by Scenic Rim Planning Scheme's Preferred Landscape Species' within Planning Scheme Policy 2: Landscape Design; Table 22.1 General Trees

STREET TREES

Ar	<i>Agathis robusta</i>	Queensland Kauri Pine	100L	11	10	25	7
Bp	<i>Brachychiton populneus</i>	Kurrajong	100L	203	10	20	8
TI	<i>Tristaniopsis laurina</i> Luscious	Water Gum	100L	98	10	10	5

*HEIGHT AND WIDTH:

Heights and widths as shown are at full maturation, indicative only and dependent on environmental and microclimatic factors

ROOT BALL SIZES

The general rule of thumb for planting is at least twice the width of the rootball and to the same depth. The corresponding dimensions to the plant container sizes are as follows. To obtain the planting hole width, simply multiply the diameter by two.

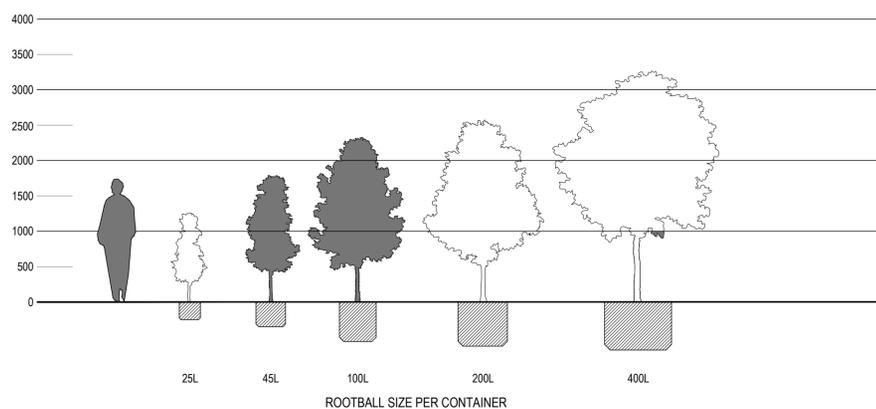
Plant container size	Diameter	Height
100L	520mm	560mm
45L	420mm	350mm
300mm	300mm	270mm
200mm	200mm	190mm
140mm	200mm	190mm
TS	140mm	140mm

MINIMUM STOCK SIZES

The recommended minimum plant size relative to the container size is as follows. Should the stem calliper of height of the tree relative to the container size be less than the figures shown, the tree should be rejected. Ensure minimum plant height at time of planting for the specified container stock unless otherwise agreed to by the landscape architect due to availability, species type and/or time of season.

Root ball volume	Height (above container)	Calliper (at 300mm)	Clean trunk height
100 litre	2.4 metres	50mm	1500mm
45 litre	1.9 - 2.3 metres	30mm - 35mm	1200mm

The following is a guide, final plant sizes due to availability, species, type, and/or time of season.



1 TYPICAL PLANT SIZE (ALONG WITH TYPICAL ROOTBALL SIZES) DIAGRAM
SCALE 1:50 @ A1



ANDREW GOLD LANDSCAPE ARCHITECTURE

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ISSUE	DATE	REASON
F	07/02/24	FINAL - FOR APPROVAL
E	19/01/24	SUBMISSION TO SCRC
D	18/01/24	AMENDMENTS AS REQUIRED
C	16/01/24	AMENDMENTS AS REQUIRED
B	19/12/23	AMENDMENTS AS REQUIRED
A	08/12/23	DRAFT FOR REVIEW

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PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
PLANTING SCHEDULE

JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	002	F	CP	AG

NOT FOR CONSTRUCTION

SCREEN LANDSCAPE - BUFFER TO CUNNINGHAM HIGHWAY

LARGE TREES



Brachychiton populneus
Kurrajong



Lophostemon confertus
Brush Box



Podocarpus elatus
Brown Pine

MEDIUM TREES



Buckinghamia celsissima
Ivory Curl



Elaeocarpus reticulatus
Blueberry Ash



Syzygium australe
Lillypilly



Xanthostemon chrysanthus
Golden Penda

LARGE SHRUBS



Callistemon viminalis Wilderness White
Bottlebrush



Grevillea Moonlight
Grevillea



Melaleuca linariifolia Snow in Summer
Bottlebrush



Syzygium australe Resilience
Lillypilly

GROUNDCOVERS TO SHRUBS



Lomandra hystrix
Mat Rush



Melaleuca linariifolia Snowstorm
Snowstorm Paperbark



Westringia fruticosa
Native Rosemary

AESTHETIC LANDSCAPE - HAULAGE ROUTE FRONTAGE AND PRIMARY FRONTAGE

TREES



Elaeocarpus eumundii
Smooth Leaved Quandong



Hymenosporum flavum
Native Frangipani



Tristaniopsis laurina
Water Gum



Xanthostemon chrysanthus
Golden Penda

GROUNDCOVERS TO SHRUBS



Callistemon Little John
Dwarf Bottlebrush



Leptospermum hybrid Pink Cascade
Pink Cascade



Lomandra hystrix Katie Belles
Mat Rush



Melaleuca linariifolia Claret Tops
Claret Tops



Myoporum parvifolium Fine Leaf
Creeping Boobialla



Westringia Zena
Dwarf Rosemary

SCREEN LANDSCAPE - BUFFER TO OVERLAND FLOW PATH

LARGE TREES



Brachychiton populneus
Kurrajong



Lophostemon confertus
Brush Box



Melaleuca quinquenervia
Broad-Leaved Paperbark

MEDIUM TREES



Buckinghamia celsissima
Ivory Curl



Elaeocarpus reticulatus
Blueberry Ash



Syzygium australe
Lillypilly



Xanthostemon chrysanthus
Golden Penda

LARGE SHRUBS



Callistemon viminalis Wilderness White
Bottlebrush



Grevillea Moonlight
Grevillea



Melaleuca linariifolia Snow in Summer
Bottlebrush



Syzygium australe Resilience
Lillypilly

GROUNDCOVERS TO SHRUBS



Callistemon citrinus White Anzac
Prostrate Bottlebrush



Lomandra hystrix
Mat Rush



Melaleuca linariifolia Snowstorm
Snowstorm Paperbark



Themeda triandra
Kangaroo Grass



Westringia fruticosa
Native Rosemary

BUFFER LANDSCAPE - OVERLAND FLOW AREA

TREES



Eucalyptus tereticornis
Queensland Blue gum

STREET LANDSCAPE - NEW ROAD RESERVES

STREET TREES



Agathis robusta
Queensland Kauri Pine



Brachychiton populneus
Kurrajong



Tristaniopsis laurina Luscious
Water Gum



ANDREW GOLD LANDSCAPE ARCHITECTURE

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PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
PLANTING IMAGES

JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	003	F	CP	AG

NOT FOR CONSTRUCTION

LEGEND

PROPERTY BOUNDARY
As taken from Survey drawings

FRONTAGE TYPES

CUNNINGHAM HIGHWAY FRONTAGE
SCREEN LANDSCAPING
Refer SRAIP Development Plan Area

OVERLAND FLOW PATH
SCREEN LANDSCAPING

HAULAGE ROUTE FRONTAGE
AESTHETIC LANDSCAPING
Refer SRAIP Development Plan Area

PRIMARY FRONTAGE
AESTHETIC LANDSCAPING
Refer SRAIP Development Plan Area

ADDITIONAL TO SRAIP DEVELOPMENT PLAN

STREET LANDSCAPES - NEW ROADS
As per Scenic Rim Planning Scheme - PSP2
Landscape Design (SC6.2.2.2.1)

BUFFER LANDSCAPE - OVERLAND FLOW AREA
As per Scenic Rim Planning Scheme - PSP2
Landscape Design (SC6.2.2.2.1)



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GRAPHIC SCALE (m) 1:2000@A1



PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
MASTER PLAN

JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	100	F	CP	AG

NOT FOR CONSTRUCTION

SCREEN LANDSCAPE - CUNNINGHAM HIGHWAY FRONTAGE: DESIGN INTENT
As per Scenic Rim Planning Scheme - Planning Scheme Policy 2: Landscape Design (SC6.2.2.2.3)

- is located between the proposed development (industrial tenancies) and the front boundary to Cunningham Highway
- incorporates a minimum width of 3 metres as per PSP 2: Landscape Design, however 4 metres proposed
- reduces the visibility of the development to ensure it is not readily visible or discernible from the Cunningham Highway
- provides for screening specific to proposed buildings, parking, storage of industrial tenancies
- incorporates trees that at maturity are of a height that provides visual screening
- uses multiple layers of vegetation types including ground covers and shrubs, large shrubs, small trees, medium trees and large trees. In combination, the vegetation is to provide a continuous screen for the full height
- provides for trees at sufficient densities and numbers that ensures maximum reduction in visibility of the development or parts of the development required to be screened
- species informed by the Council's 'Preferred Landscape Species' within PSP 2: Landscape Design
- locally endemic species and/or native hybrids so as to be low maintenance, drought tolerant once established, fast growing to achieve rapid screening and storm/high winds resilient



ANDREW GOLD LANDSCAPE ARCHITECTURE

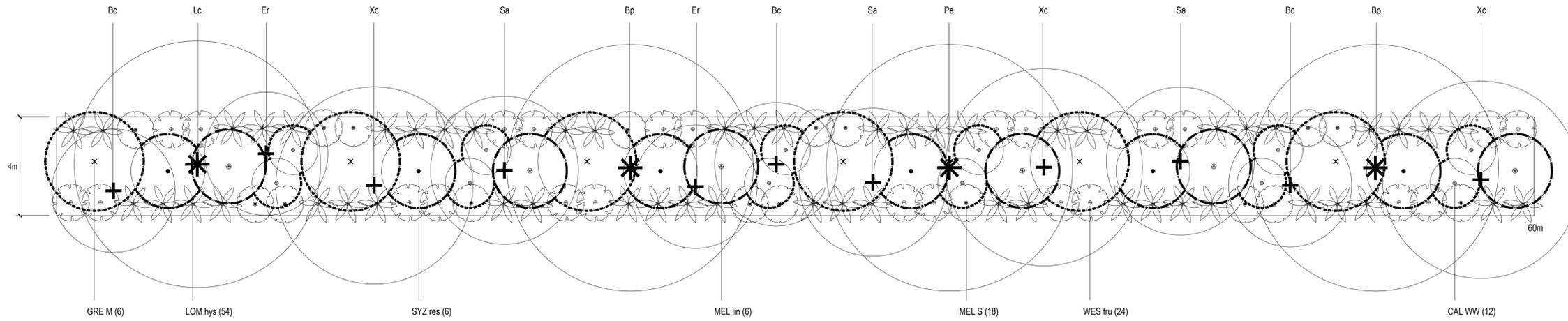
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LEGEND

- > 20m LARGE TREES
Refer Planting Schedule
- < 12m MEDIUM TREES
Refer Planting Schedule
- < 5m LARGE SHRUBS
Refer Planting Schedule
- < 1.5m GROUNDCOVERS TO SHRUBS
Refer Planting Schedule

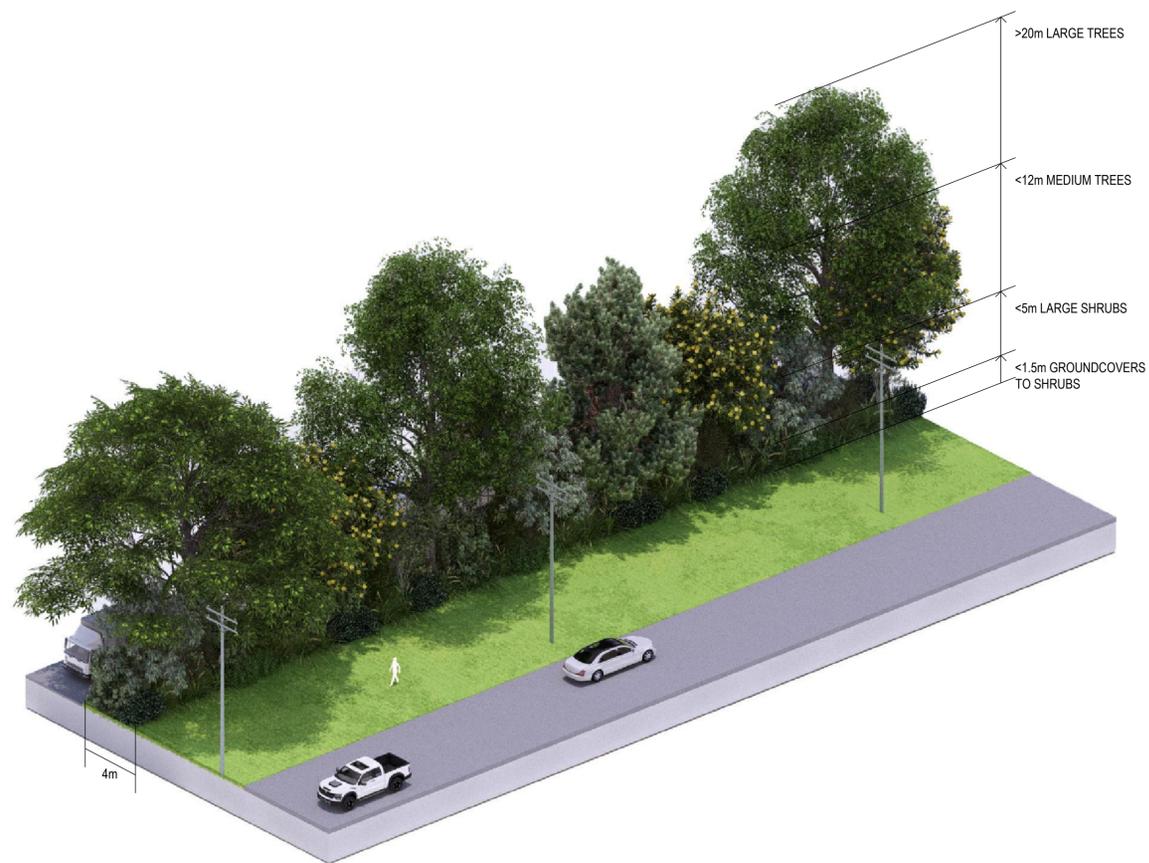
1 CUNNINGHAM HIGHWAY FRONTAGE
SCREEN LANDSCAPING - 4m MIN LANDSCAPE BUFFER
PLANTING PLAN 1:100 @ A1



2 CUNNINGHAM HIGHWAY FRONTAGE
SCREEN LANDSCAPING - 4m MIN LANDSCAPE BUFFER
SECTION 1:75 @ A1



3 CUNNINGHAM HIGHWAY FRONTAGE
SCREEN LANDSCAPING - 4m MIN LANDSCAPE BUFFER
ISOMETRIC SECTION NTS



SHEET LOCATION PLAN



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GRAPHIC SCALE (m) 1:100 @ A1



PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
LANDSCAPE PLAN
CUNNINGHAM HIGHWAY FRONTAGE

JOB No. 23.274 DWG No. 101 ISSUE F DRAWN BY CP CHECKED BY AG

NOT FOR CONSTRUCTION

SCREEN LANDSCAPE - OVERLAND FLOW PATH: DESIGN INTENT
As per Scenic Rim Planning Scheme - Planning Scheme Policy 2: Landscape Design (SC6.2.2.2.3)

- is located between the proposed development (industrial tenancies) and the front boundary to Cunningham Highway
- incorporates a minimum width of 3 metres as per PSP 2: Landscape Design
- reduces the visibility of the development to ensure it is not readily visible or discernible from the Cunningham Highway
- provides for screening specific to proposed buildings, parking, storage of industrial tenancies
- incorporates trees that at maturity are of a height that provides visual screening
- uses multiple layers of vegetation types including ground covers and shrubs, large shrubs, small trees, medium trees and large trees. In combination, the vegetation is to provide a continuous screen for the full height
- provides for trees at sufficient densities and numbers that ensures maximum reduction in visibility of the development or parts of the development required to be screened
- species informed by the Council's 'Preferred Landscape Species' within PSP 2: Landscape Design
- locally endemic species and/or native hybrids so as to be low maintenance, drought tolerant once established, fast growing to achieve rapid screening and storm/high winds resilient



ANDREW GOLD LANDSCAPE ARCHITECTURE

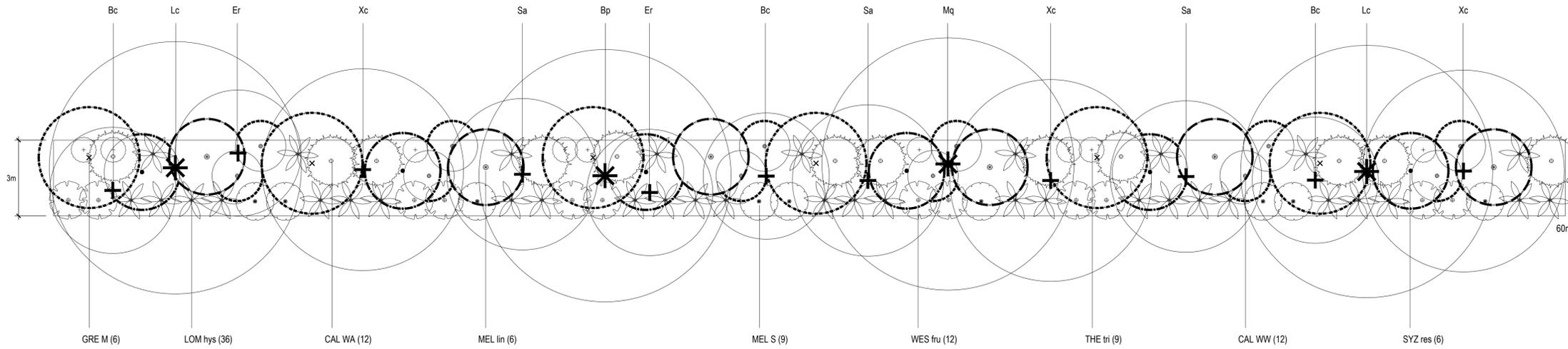
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LEGEND

- > 20m LARGE TREES
Refer Planting Schedule
- < 12m MEDIUM TREES
Refer Planting Schedule
- < 5m LARGE SHRUBS
Refer Planting Schedule
- < 1.5m GROUNDCOVERS TO SHRUBS
Refer Planting Schedule

OVERLAND FLOW PATH
1 SCREEN LANDSCAPING - 3m MIN LANDSCAPE BUFFER
PLANTING PLAN 1:100 @ A1



OVERLAND FLOW PATH
2 SCREEN LANDSCAPING - 3m MIN LANDSCAPE BUFFER
SECTION 1:75 @ A1



OVERLAND FLOW PATH
3 SCREEN LANDSCAPING - 3m MIN LANDSCAPE BUFFER
ISOMETRIC SECTION NTS



SHEET LOCATION PLAN



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GRAPHIC SCALE (m) 1:100 @ A1



PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
LANDSCAPE PLAN
LOT 12 & 13 INTERFACE RURAL PRECINT

JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	102	F	CP	AG

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LEGEND

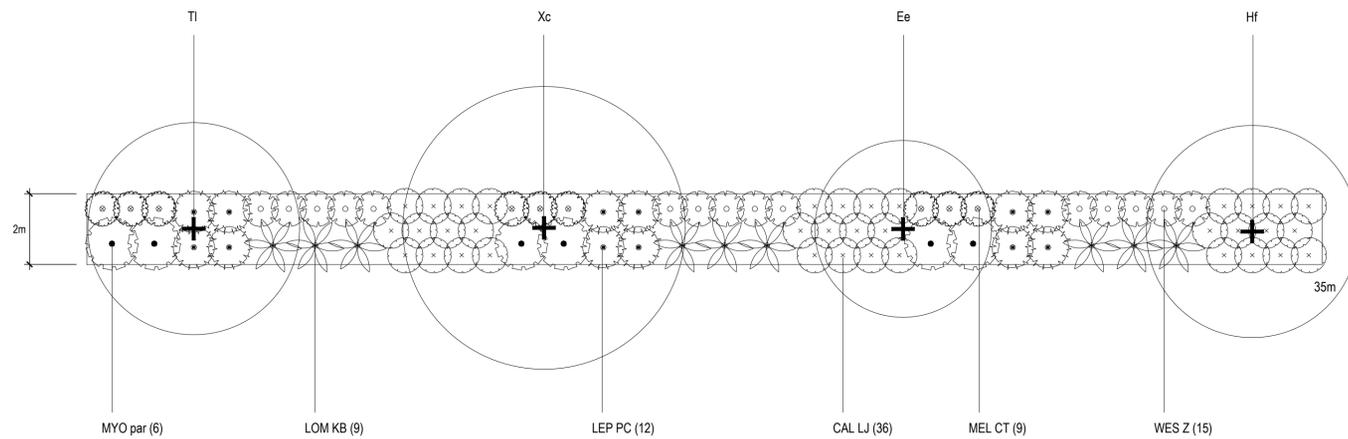
+ < 15m TREES
Refer Planting Schedule

○ < 1.5m GROUNDCOVERS TO SHRUBS
Refer Planting Schedule

AESTHETIC LANDSCAPE - HAULAGE ROUTE FRONTAGE: DESIGN INTENT
As per Scenic Rim Planning Scheme - Planning Scheme Policy 2: Landscape Design (SC6.2.2.2.1)

- is located between the proposed development (industrial tenancies) and new road
- incorporates a minimum width of 2 metres
- reduces the visibility of structures by a minimum of 20% at maturity
- increases the aesthetic value of the site by provide trees to soften proposed buildings carparks, outdoor storage
- provide climatic amenity through shade to carparks where provided on the frontage
- to provide continuous landscaping excluding entry and exit points and required services (pad mount transformers, meters, boosters etc)
- provides landscape trees at regular intervals (approx 10m) supported by dense low level landscapes
- species informed by the Council's 'Preferred Landscape Species' within PSP 2: Landscape Design
- shown as a guide only and final design subject to individual lot design of subsequent lot holders, however this subsequent design is still yet to comply with the intent shown here, the above requirements as summarised from PSP2: Landscape Design

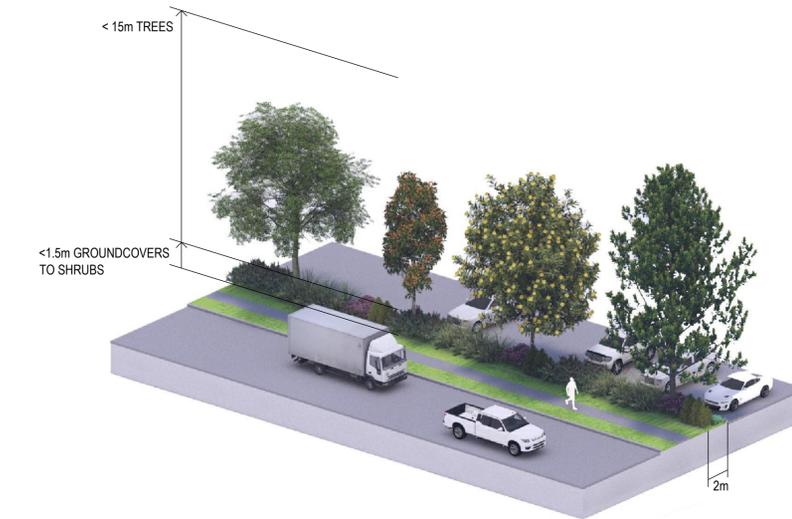
1 HAULAGE ROUTE FRONTAGE
AESTHETIC LANDSCAPING - 2m MIN LANDSCAPE BUFFER
PLANTING PLAN 1:100 @ A1



2 HAULAGE ROUTE FRONTAGE
AESTHETIC LANDSCAPING - 2m MIN LANDSCAPE BUFFER
SECTION 1:75 @ A1



3 HAULAGE ROUTE FRONTAGE
AESTHETIC LANDSCAPING - 2m MIN LANDSCAPE BUFFER
ISOMETRIC SECTION 1:100 @ A1



SHEET LOCATION PLAN



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GRAPHIC SCALE (m) 1:100 @ A1



PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
LANDSCAPE PLAN
HAULAGE ROUTE FRONTAGE

JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	102	F	CP	AG

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LEGEND

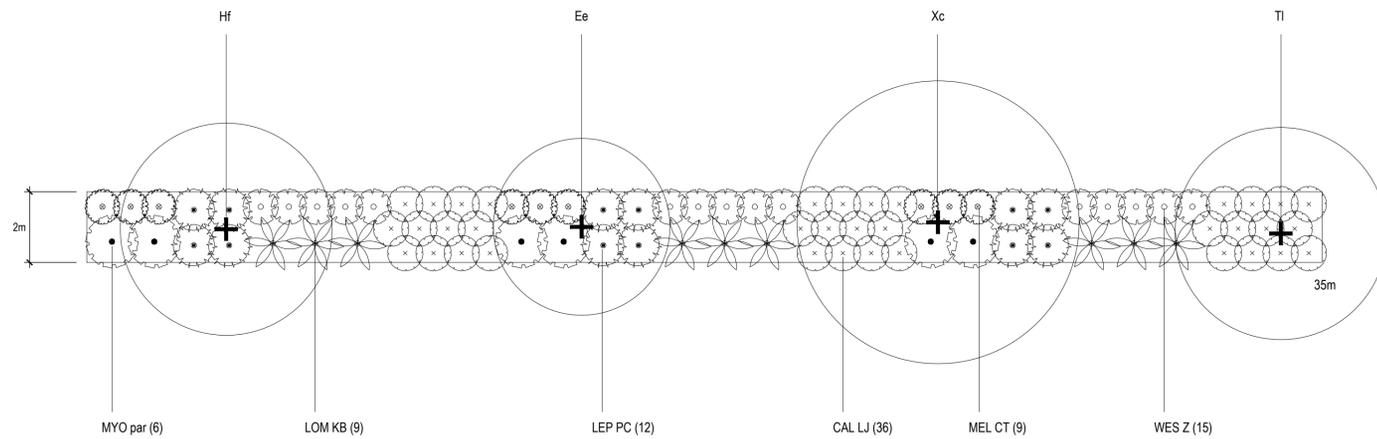
+ < 15m TREES
Refer Planting Schedule

○ < 1.5m GROUNDCOVERS TO SHRUBS
Refer Planting Schedule

AESTHETIC LANDSCAPE - PRIMARY FRONTAGE: DESIGN INTENT
As per Scenic Rim Planning Scheme - Planning Scheme Policy 2: Landscape Design (SC6.2.2.2.1)

- is located between the proposed development (industrial tenancies) and new road
- incorporates a minimum width of 2 metres
- reduces the visibility of structures by a minimum of 20% at maturity
- increases the aesthetic value of the site by provide trees to soften proposed buildings carparks, outdoor storage
- provide climatic amenity through shade to carparks where provided on the frontage
- to provide continuous landscaping excluding entry and exit points and required services (pad mount transformers, meters, boosters etc)
- provides landscape trees at regular intervals (approx 10m) supported by dense low level landscapes
- species informed by the Council's 'Preferred Landscape Species' within PSP 2: Landscape Design
- shown as a guide only and final design subject to individual lot design of subsequent lot holders, however this subsequent design is still yet to comply with the intent shown here, the above requirements as summarised from PSP2: Landscape Design

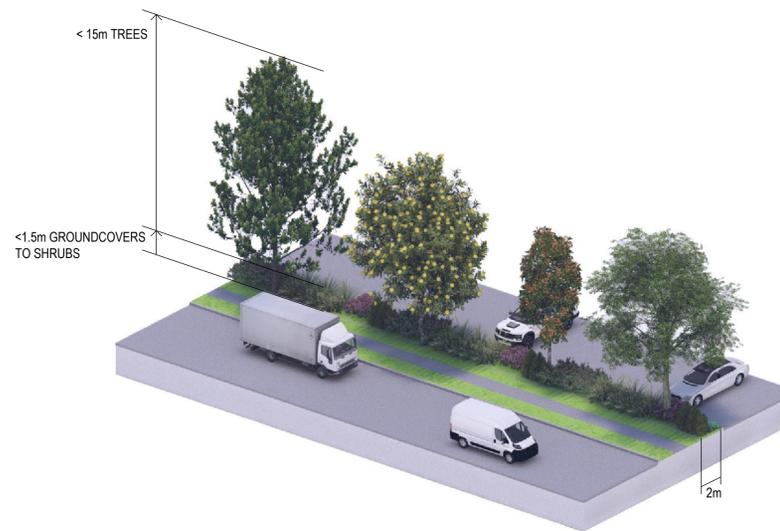
1 PRIMARY FRONTAGE
AESTHETIC LANDSCAPING - 2m MIN LANDSCAPE BUFFER
PLANTING PLAN 1:100 @ A1



2 PRIMARY FRONTAGE
AESTHETIC LANDSCAPING - 2m MIN LANDSCAPE BUFFER
SECTION 1:75 @ A1



3 PRIMARY FRONTAGE
AESTHETIC LANDSCAPING - 2m MIN LANDSCAPE BUFFER
ISOMETRIC SECTION NTS



SHEET LOCATION PLAN



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GRAPHIC SCALE (m) 1:100 @ A1



PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
LANDSCAPE PLAN
PRIMARY FRONTAGE

JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	103	F	CP	AG

NOT FOR CONSTRUCTION

1 CUNNINGHAM HIGHWAY FRONTAGE
 SCREEN LANDSCAPING - 4m MIN LANDSCAPE BUFFER
 PERSPECTIVE NTS



2 OVERLAND FLOW PATH
 SCREEN LANDSCAPING - 3m MIN LANDSCAPE BUFFER
 PERSPECTIVE NTS



2 HAULAGE ROUTE FRONTAGE
 AESTHETIC LANDSCAPING - 2m MIN LANDSCAPE BUFFER
 PERSPECTIVE NTS



3 PRIMARY FRONTAGE
 AESTHETIC LANDSCAPING - 2m MIN LANDSCAPE BUFFER
 PERSPECTIVE NTS



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PROPOSED KALFRESH
 6206 CUNNINGHAM HIGHWAY,
 KALBAR
 PERSPECTIVES
 FRONTAGES

JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	200	F	CP	AG

NOT FOR CONSTRUCTION

BUFFER LANDSCAPE - OVERLAND FLOW AREA
 As per Scenic Rim Planning Scheme - Planning Scheme Policy 2: Landscape Design (SC6.2.2.2.1)

- located on the over land flow located between the industry precinct and the rural precinct
- reduces the visibility of the development
- species as recommended in the Ecological Assessment Report
- very large, fast growing endemic native species
- 30 trees to be planted in overland flow area



ANDREW GOLD LANDSCAPE ARCHITECTURE

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LEGEND

- PROPOSED TURFED AREAS
Refer Landscape Notes and Detail
- PROPERTY BOUNDARY
As taken from Survey drawings
- PROPOSED CONTOURS
Refer Engineering drawings
- PROPOSED BUFFER TREES
Refer Planting Schedule

1 BUFFER LANDSCAPE - OVERLAND FLOW AREA
 PLANTING PLAN 1:2000 @ A1



SPECIAL NOTE: TREE PLANTING IN OVERLAND FLOW AREA
 Planting as shown is preliminary and indicative only and final locations may change subject to subsequent design resolution, engineering advice, subsequent Council approvals.

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GRAPHIC SCALE (m) 1:2000@A1



PROPOSED KALFRESH
 6206 CUNNINGHAM HIGHWAY,
 KALBAR
 BUFFER LANDSCAPE PLAN

JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	300	F	CP	AG

NOT FOR CONSTRUCTION

1 STREET LANDSCAPE PLAN
PLAN 1:500 @ A1



ANDREW GOLD LANDSCAPE ARCHITECTURE

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E andrew@agla.com.au

LEGEND

- PROPOSED TURFED AREAS
Refer Landscape Notes and Detail
- PROPOSED HARDSTAND
Refer Engineering drawings
- PROPERTY BOUNDARY
As taken from Survey drawings
- PROPOSED CONTOURS
Refer Engineering drawings
- PROPOSED STREET TREE
Agathis robusta - Refer Planting Schedule
- PROPOSED STREET TREE
Brachychiton populneus - Refer Planting Schedule
- PROPOSED STREET TREES
Tristaniopsis laurina Luscious - Refer Planting Schedule

SHEET LOCATION PLAN



ISSUE	DATE	REASON
F	07/02/24	FINAL - FOR APPROVAL
E	19/01/24	SUBMISSION TO SCRC
D	18/01/24	AMENDMENTS AS REQUIRED
C	16/01/24	AMENDMENTS AS REQUIRED
B	19/12/23	AMENDMENTS AS REQUIRED
A	08/12/23	DRAFT FOR REVIEW

ISSUE DATE REASON

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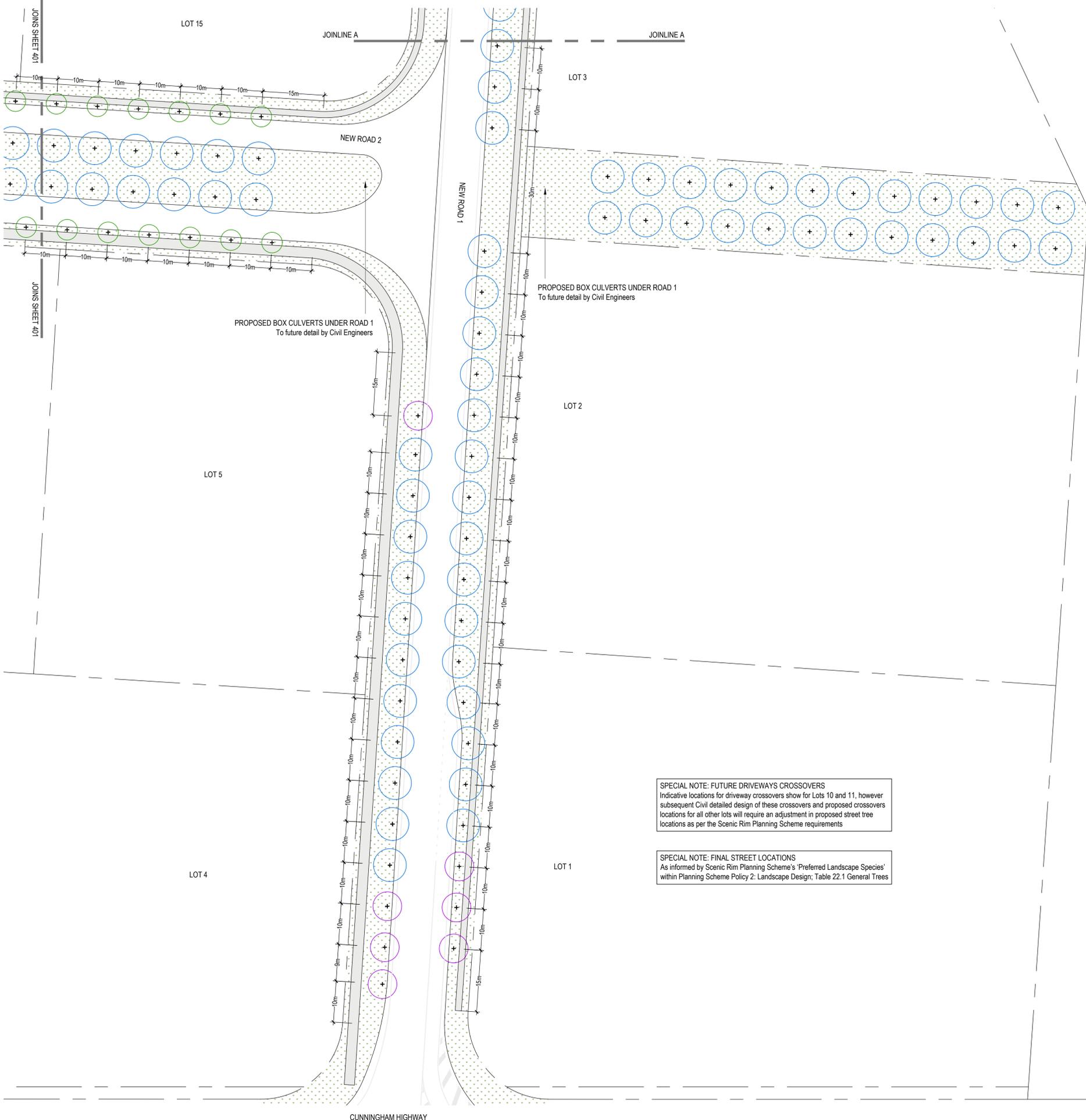
GRAPHIC SCALE (m) 1:500 @A1



PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
STREET LANDSCAPE PLAN

JOB No. 23.274 DWG No. 400 ISSUE F DRAWN BY CP CHECKED BY AG

NOT FOR CONSTRUCTION



PROPOSED BOX CULVERTS UNDER ROAD 1
To future detail by Civil Engineers

PROPOSED BOX CULVERTS UNDER ROAD 1
To future detail by Civil Engineers

SPECIAL NOTE: FUTURE DRIVEWAYS CROSSOVERS
Indicative locations for driveway crossovers show for Lots 10 and 11, however subsequent Civil detailed design of these crossovers and proposed crossovers locations for all other lots will require an adjustment in proposed street tree locations as per the Scenic Rim Planning Scheme requirements

SPECIAL NOTE: FINAL STREET LOCATIONS
As informed by Scenic Rim Planning Scheme's 'Preferred Landscape Species' within Planning Scheme Policy 2: Landscape Design, Table 22.1 General Trees

TYPICAL ROAD PERSPECTIVE - NEW ROAD 1
SCALE NTS



STREET LANDSCAPE - NEW ROAD RESERVES
As per Scenic Rim Planning Scheme - Planning Scheme Policy 2: Landscape Design (SC6.2.2.2.1)

- street trees provided to new roads
- is designed to increase aesthetic value and/or provide shade to streetscapes
- provides street trees along each road frontage of the site at 1 tree per 10m of road frontage
- will not interfere with the primary use of the public place e.g. footpath
- will be low maintenance and not interfere with or damage public infrastructure
- incorporates plant species that will not damage building foundations, pavement or overhead and underground utility services. Care should be taken to ensure the final height of trees at maturity does not interfere with overhead services or buildings
- to be semi-advanced trees species at the times of planting to provide immediate impact
- species to be consistent with Council's PSP 2: Landscape Design, Table 22.1 General Trees

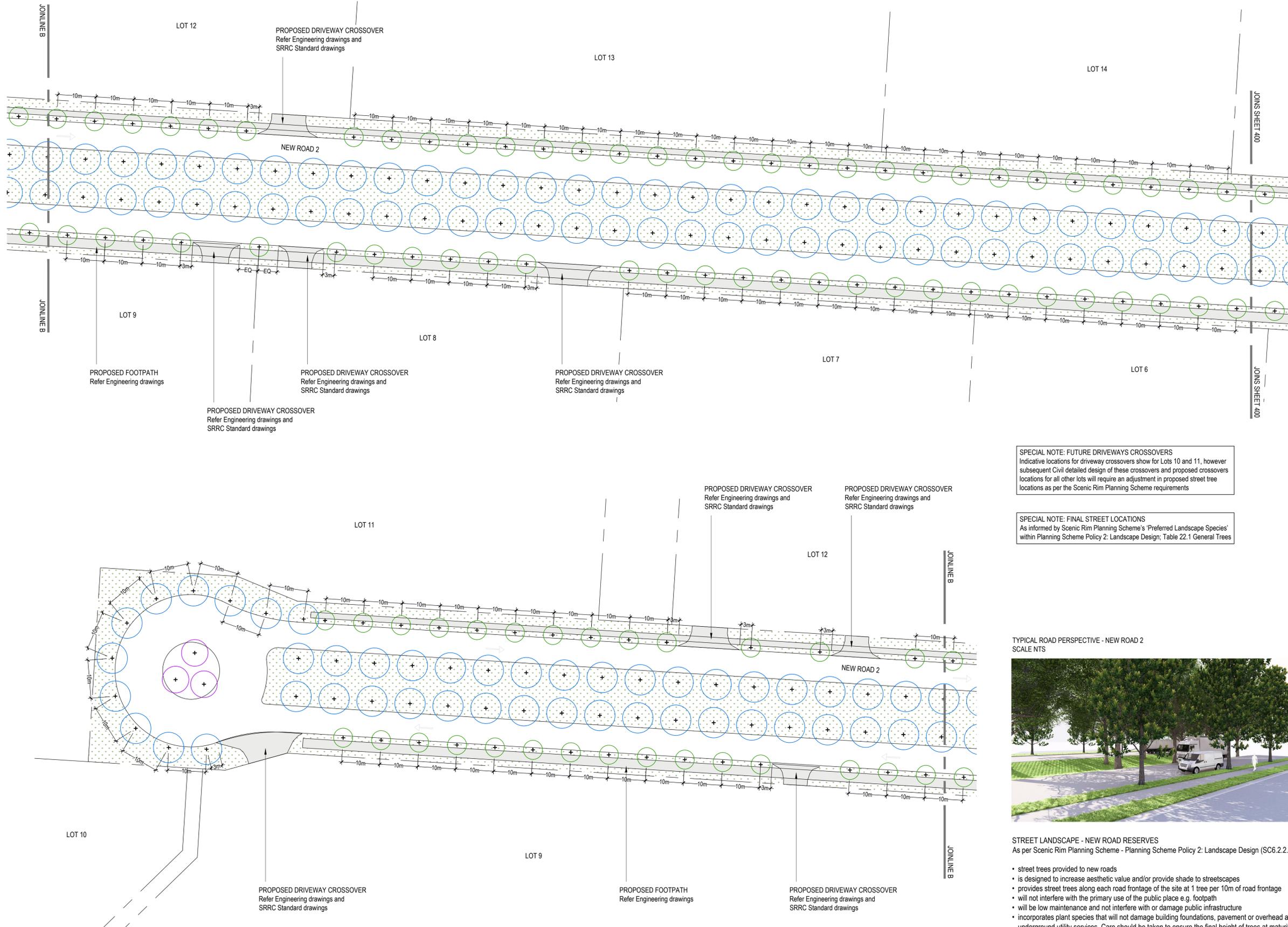
1 STREET LANDSCAPE PLAN
PLAN 1:500 @ A1



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SPECIAL NOTE: FINAL STREET LOCATIONS
As informed by Scenic Rim Planning Scheme's 'Preferred Landscape Species' within Planning Scheme Policy 2: Landscape Design; Table 22.1 General Trees

TYPICAL ROAD PERSPECTIVE - NEW ROAD 2
SCALE NTS



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SHEET LOCATION PLAN

ISSUE	DATE	REASON
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GRAPHIC SCALE (m) 1:500 @A1



**PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
STREET LANDSCAPE PLAN**

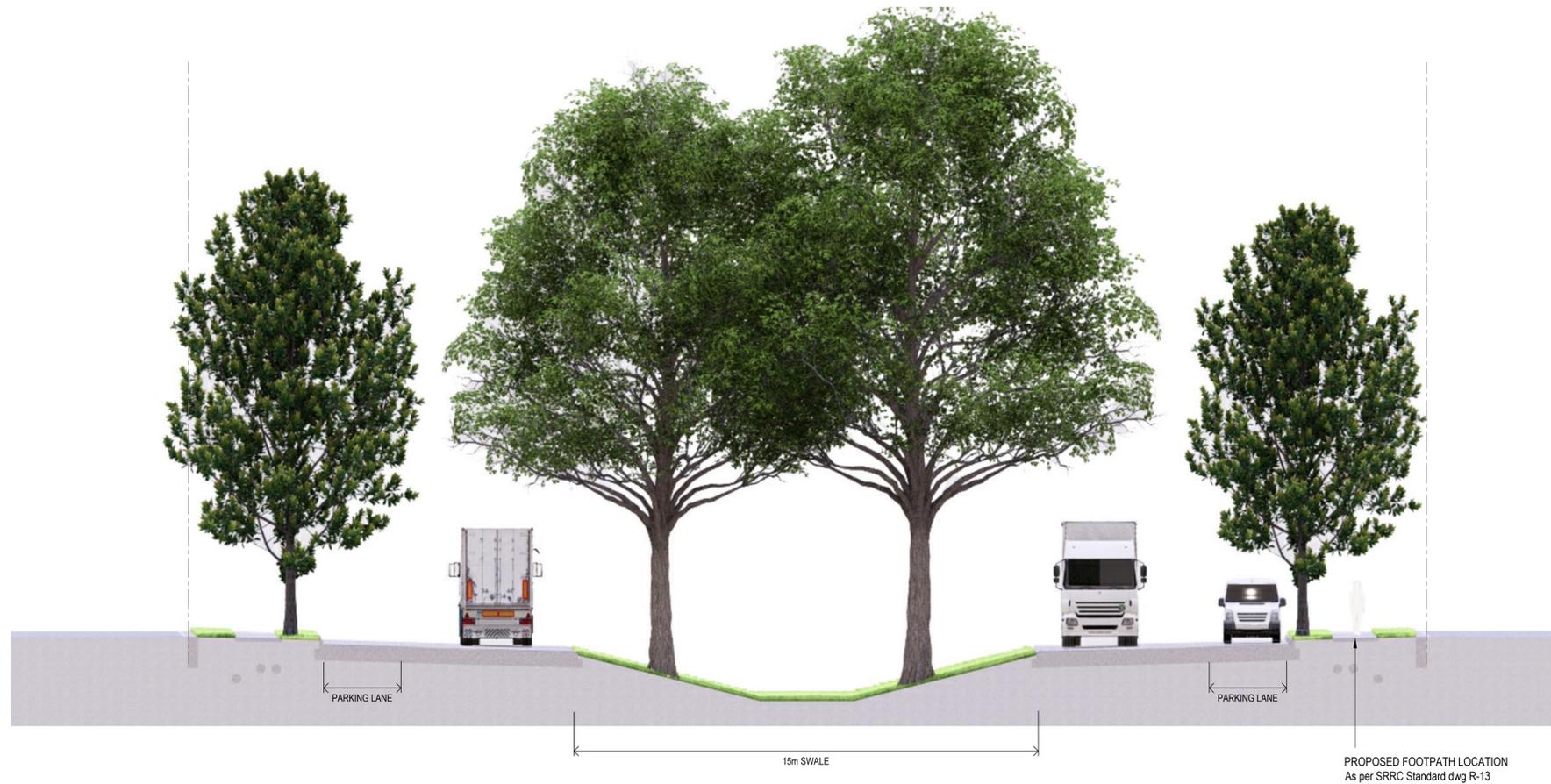
JOB No.	DWG No.	ISSUE	DRAWN BY	CHECKED BY
23.274	401	F	CP	AG

NOT FOR CONSTRUCTION

1 TYPICAL ROAD CROSS SECTION - NEW ROAD 1
SCALE 1:100 @ A1



2 TYPICAL ROAD CROSS SECTION - NEW ROAD 2
SCALE 1:100 @ A1



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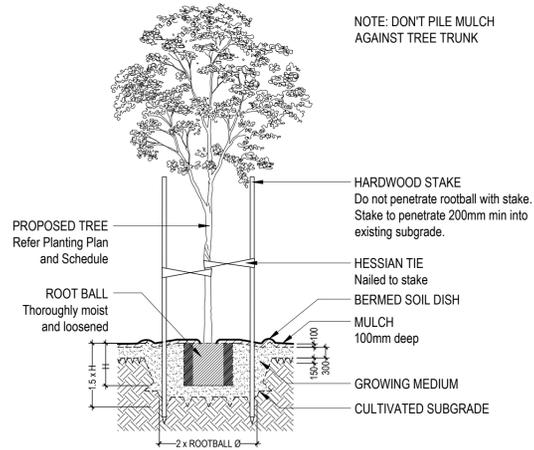
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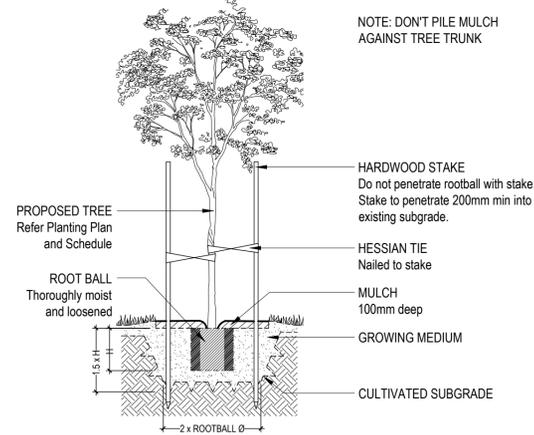
PROPOSED KALFRESH
6206 CUNNINGHAM HIGHWAY,
KALBAR
STREET LANDSCAPE TYPICAL
SECTIONS

JOB No. 23.274 DWG No. 402 ISSUE F DRAWN BY CP CHECKED BY AG

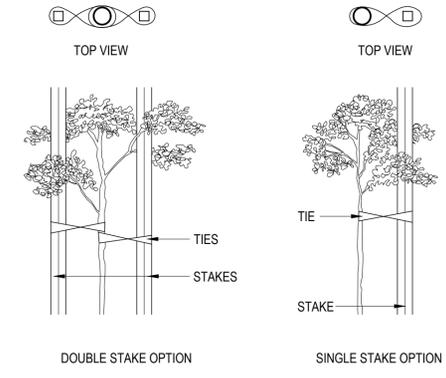
NOT FOR CONSTRUCTION



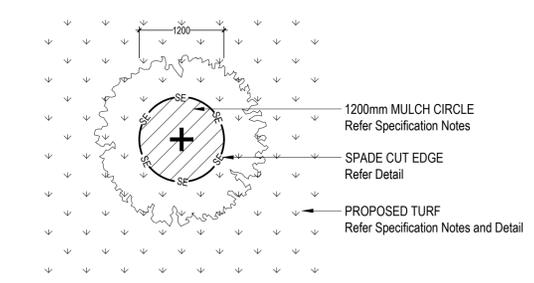
1 TYPICAL TREE PLANTING DETAIL
SECTION 1:100 @ A1



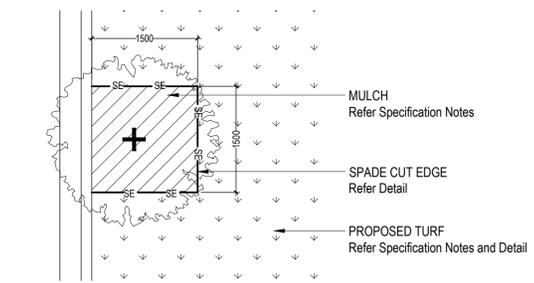
2 TYPICAL TREE PLANTING IN TURF DETAIL
SECTION 1:100 @ A1



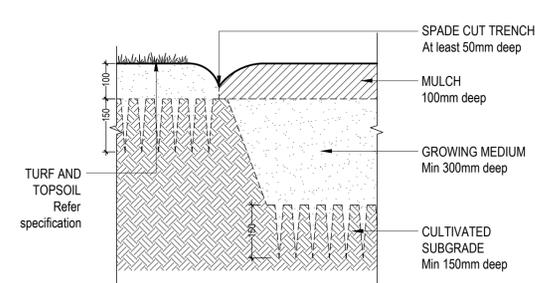
3 TYPICAL TREE STAKING DETAIL
SECTION NOT TO SCALE



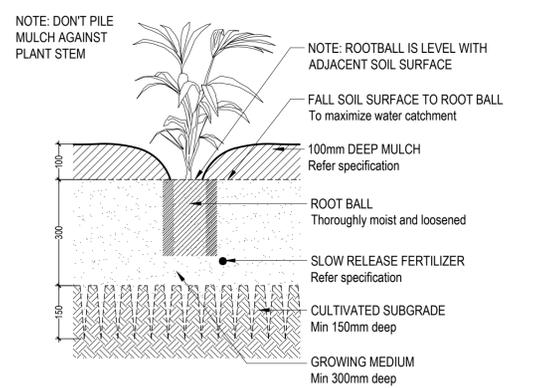
4 TREES IN TURF DETAIL
SECTION 1:50 @ A1



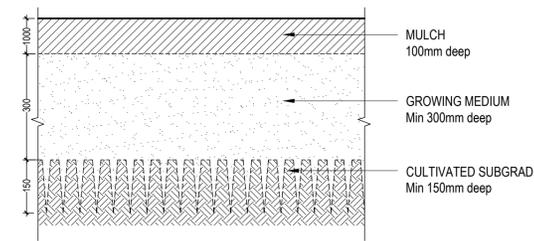
5 STREET TREES IN TURF DETAIL
SECTION 1:50 @ A1



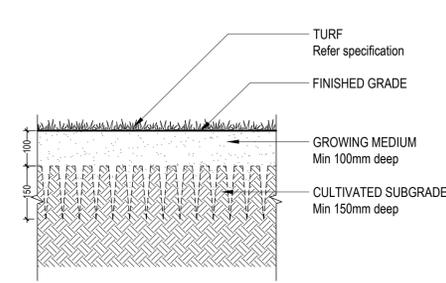
6 SPADE CUT EDGE DETAIL
SECTION 1:10 @ A1



7 TYPICAL SHRUB / GROUNDCOVER PLANTING DETAIL
SECTION 1:10 @ A1



8 TYPICAL GARDEN BED DETAIL
SECTION 1:10 @ A1



9 TYPICAL TURF PLANTING DETAIL
SECTION 1:10 @ A1

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PROPOSED KALFRESH
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KALBAR
LANDSCAPE DETAILS

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