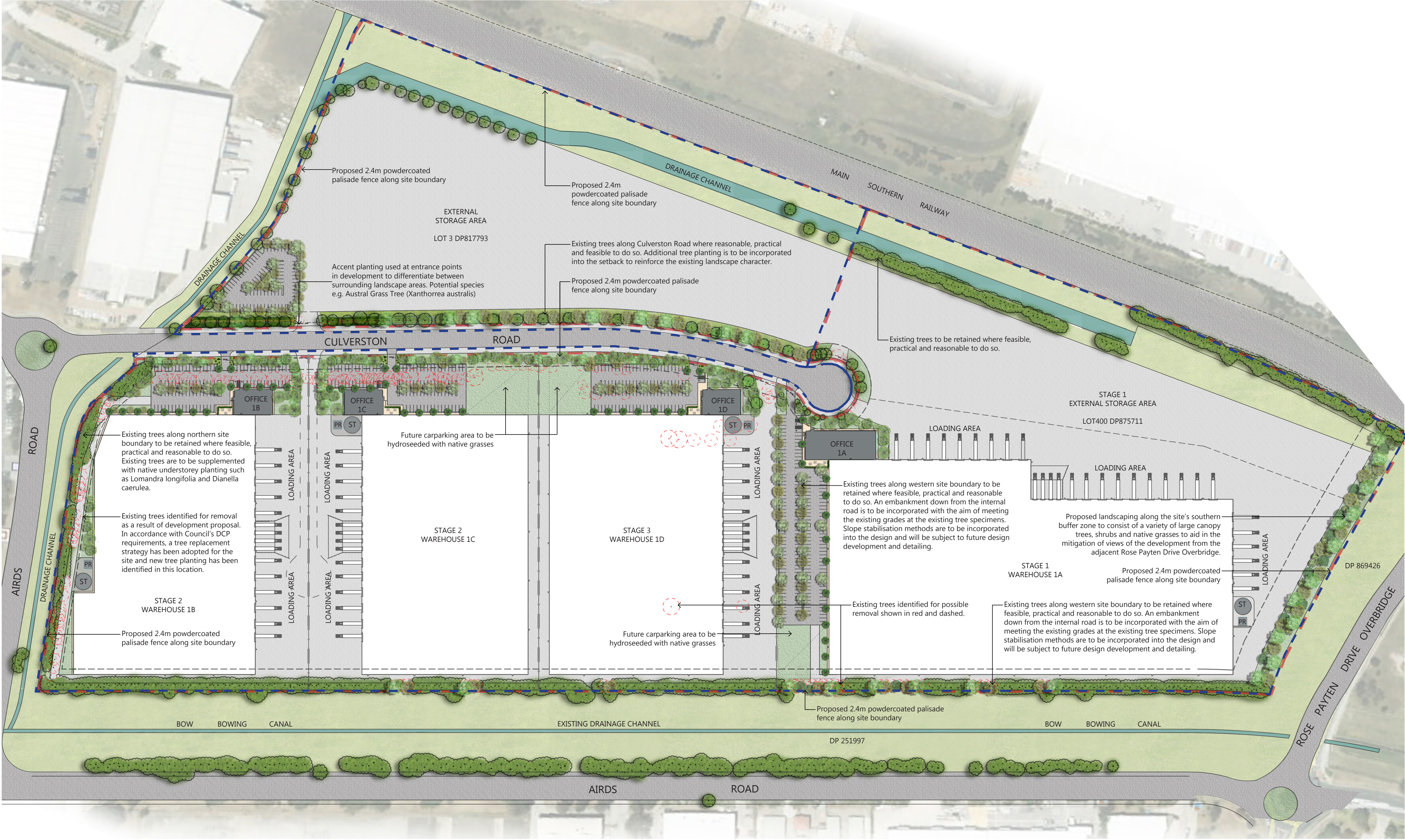


# MINTO INDUSTRIAL DEVELOPMENT

## LANDSCAPE PLAN



### LEGEND

- Proposed Canopy Tree Planting (Refer to Indicative Plant Schedule)
- Existing tree to be retained where reasonable, practical and feasible to do so
- Existing tree identified for removal
- Site Boundary
- Building Set Back
- Proposed Landscape Area
- Existing Drainage Channel
- Proposed Services
- Indicative Truck Parking

### DRAWING LIST

- |         |                                      |
|---------|--------------------------------------|
| LDA-001 | LANDSCAPE MASTERPLAN & COVERSHEET    |
| LDA-002 | STAGE 1 LANDSCAPE PLAN               |
| LDA-003 | STAGE 2 LANDSCAPE PLAN               |
| LDA-004 | STAGE 3 LANDSCAPE PLAN               |
| LDA-005 | EXTERNAL STORAGE AREA LANDSCAPE PLAN |
| LDA-006 | LANDSCAPE ENTRANCE DETAIL            |
| LDA-007 | LANDSCAPE SECTIONS AA & BB           |
| LDA-008 | LANDSCAPE SECTION CC                 |
| LDA-009 | LANDSCAPE SECTION DD                 |
| LDA-010 | LANDSCAPE DETAILS                    |

### FOR DEVELOPMENT APPLICATION

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Architect

**REIDCAMPBELL**

Project Manager

**TACTICAL**  
GROUP

Issue

Date

A

28.4.16

Description

For Development Application

Drawn

Checked

BH

RL

Landscape Architect

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Project

**MINTO INDUSTRIAL DEVELOPMENT**

Project Address

CULVERSTON ROAD, MINTO NSW

Date

28.04.2016

Revision

A

Job Number

20160104

Drawing Number

**LDA-001**

Scale

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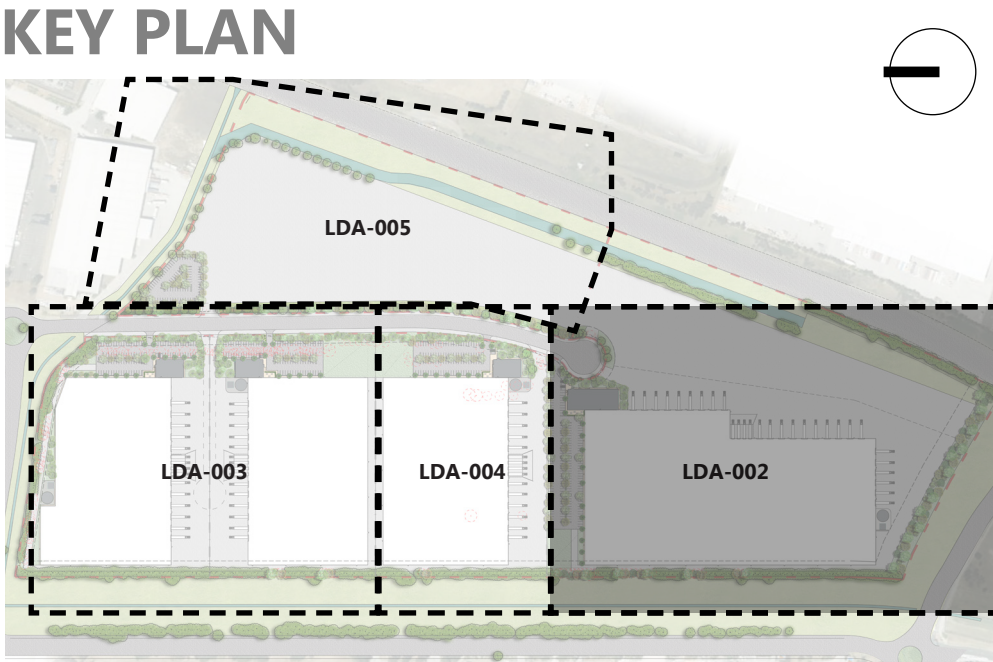
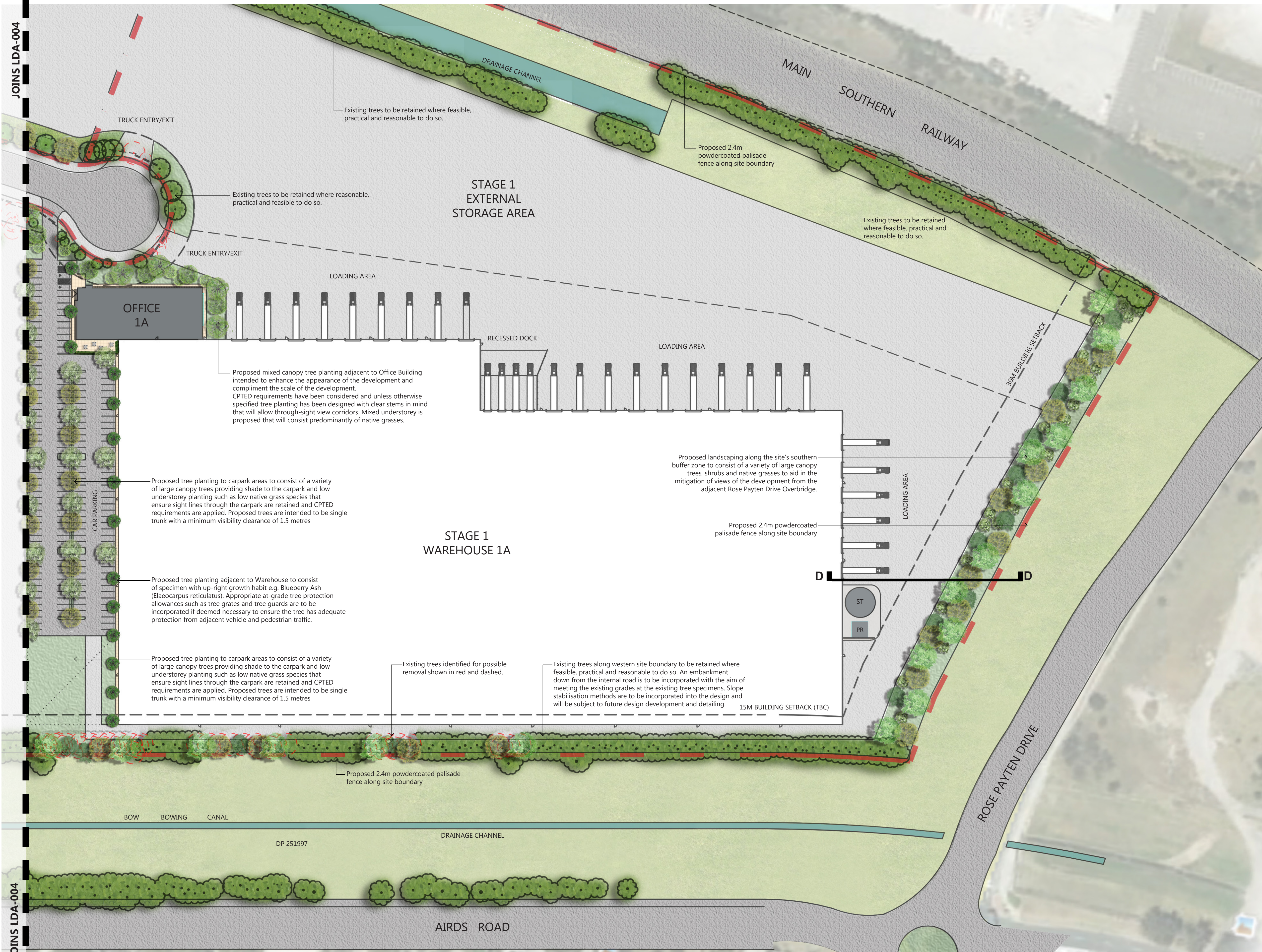
20m

Drawing Name

**LANDSCAPE MASTERPLAN**

North





- ### LEGEND
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  - Existing tree to be retained where reasonable, practical and feasible to do so
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Architect  
**REIDCAMPBELL**  
Project Manager  
**TACTICAL GROUP**

Issue	Date	Description	Drawn	Checked
A	28.4.16	For Development Application	BH	RL

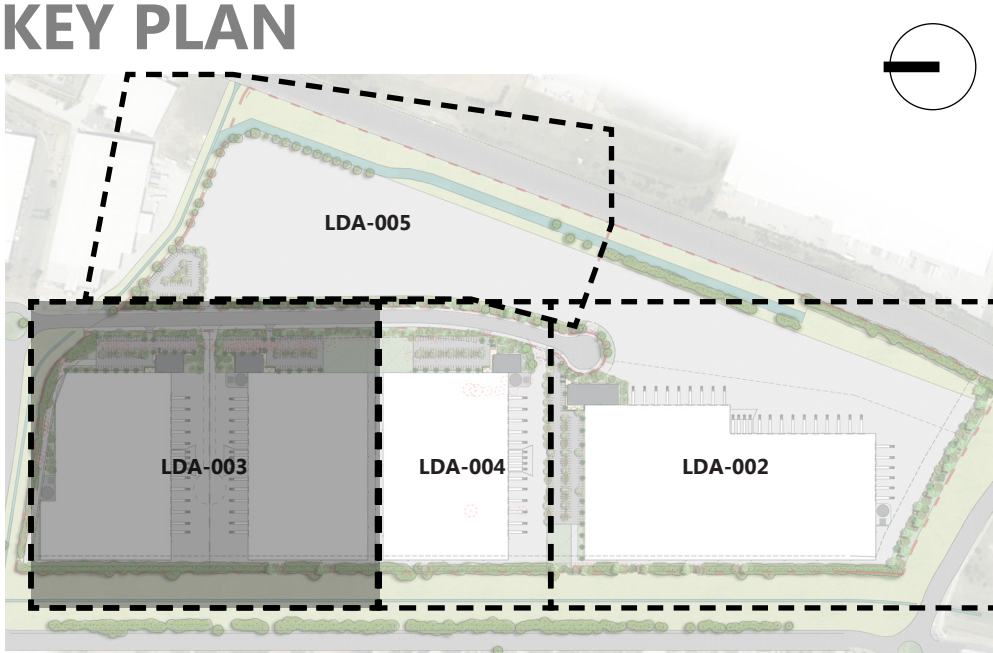
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Project  
**MINTO INDUSTRIAL DEVELOPMENT**  
Project Address  
CULVERSTON ROAD, MINTO NSW

#### FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
28.04.2016	A	20160104	LDA-002
Scale			North
1:750 @ A1 (1:1500 @ A3)			
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Drawing Name			
STAGE 1 LANDSCAPE PLAN			





- LEGEND**
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**REIDCAMPBELL**

Project Manager  
**TACTICAL GROUP**


Issue	Date	Description	Drawn	Checked
A	28.4.16	For Development Application	BH	RL

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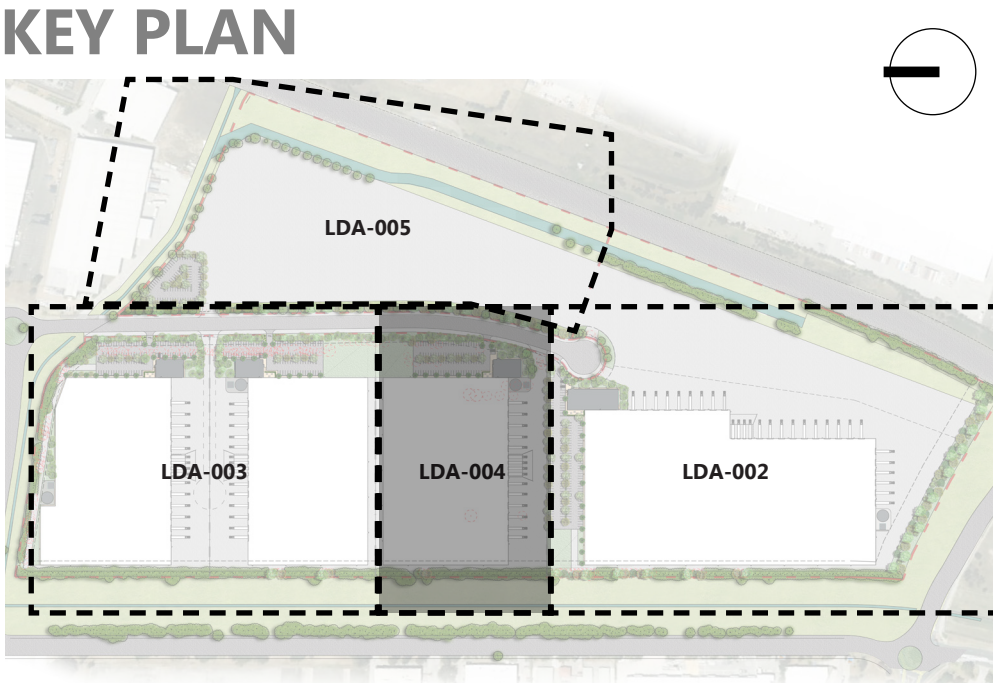
Project  
**MINTO INDUSTRIAL DEVELOPMENT**

Project Address  
CULVERSTON ROAD, MINTO NSW

**FOR DEVELOPMENT APPLICATION**

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Drawing Name			
STAGE 2 LANDSCAPE PLAN			





- LEGEND**
- Proposed Canopy Tree Planting (Refer to Indicative Plant Schedule)
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  - Site Boundary
  - Building Set Back
  - Proposed Landscape Area
  - Existing Drainage Channel
  - Proposed Services (ST, PR)
  - Indicative Truck Parking

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Project Manager

**TACTICAL GROUP**

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Project

**MINTO INDUSTRIAL DEVELOPMENT**

Project Address

CULVERSTON ROAD, MINTO NSW

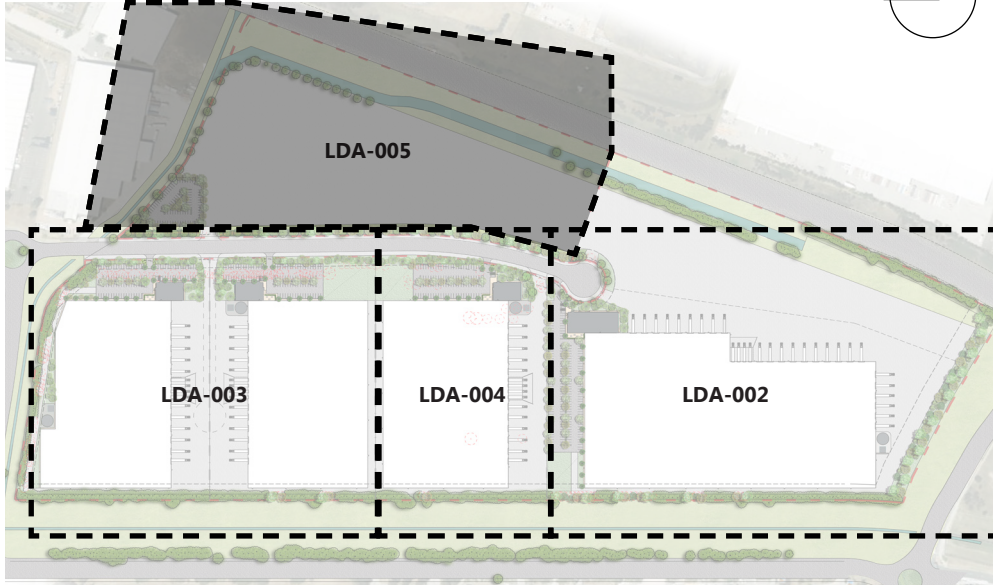
**FOR DEVELOPMENT APPLICATION**

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Scale	1:750 @ A1 (1:1500 @ A3)	North	
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Drawing Name			





KEY PLAN



LEGEND

- Proposed Canopy Tree Planting (Refer to Indicative Plant Schedule)
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**MINTO INDUSTRIAL DEVELOPMENT**  
Project Address  
CULVERSTON ROAD, MINTO NSW

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
28.04.2016	<b>A</b>	20160104	<b>LDA-005</b>
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Drawing Name <b>EXTERNAL STORAGE AREA LANDSCAPE PLAN</b>			

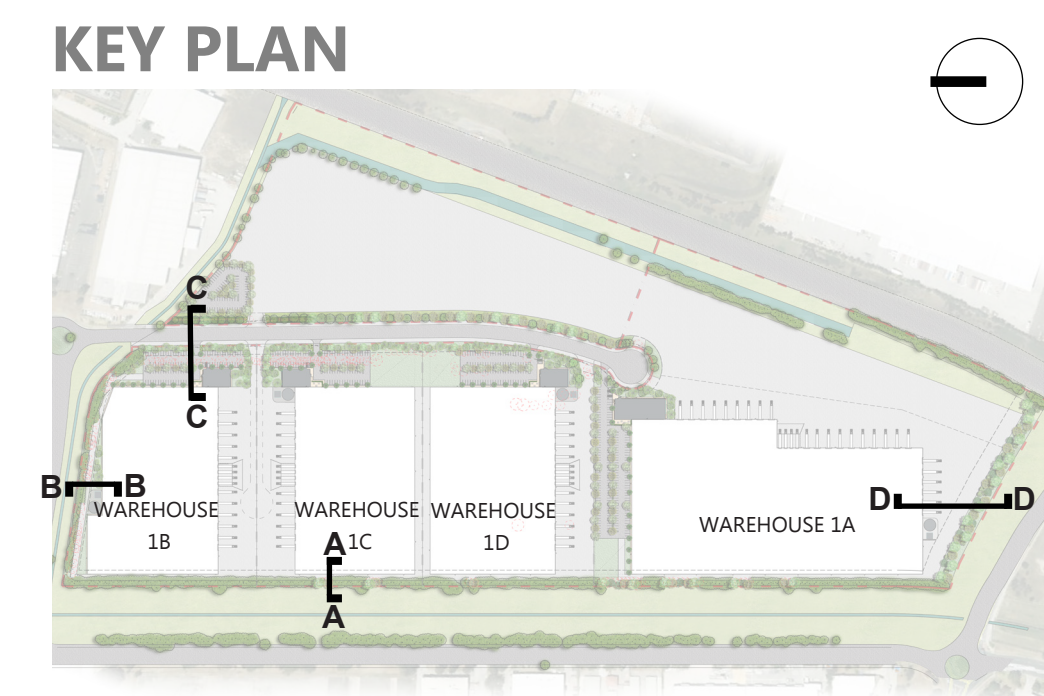








Proposed 2.4m powdercoated  
palisade fence along site boundary



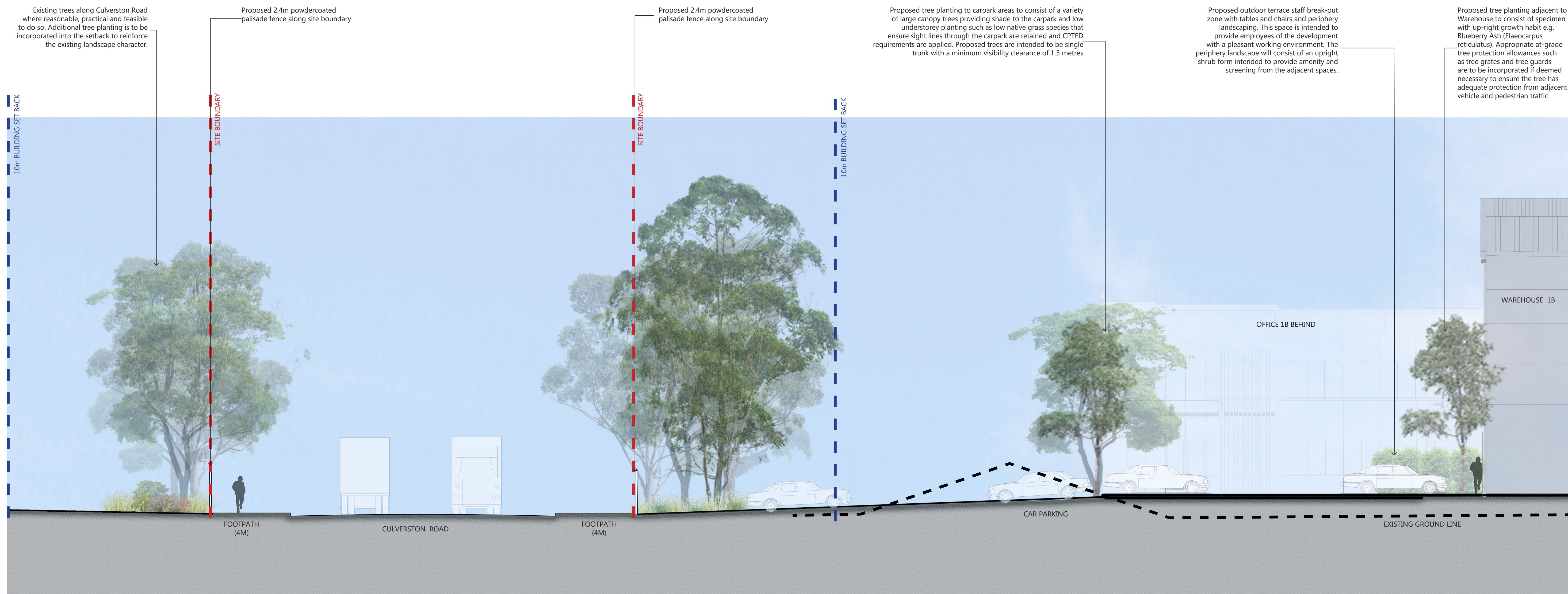
Proposed 2.4m powdercoated  
palisade fence along site boundary

## NORTHERN BOUNDARY LANDSCAPE SECTION

### SECTION BB

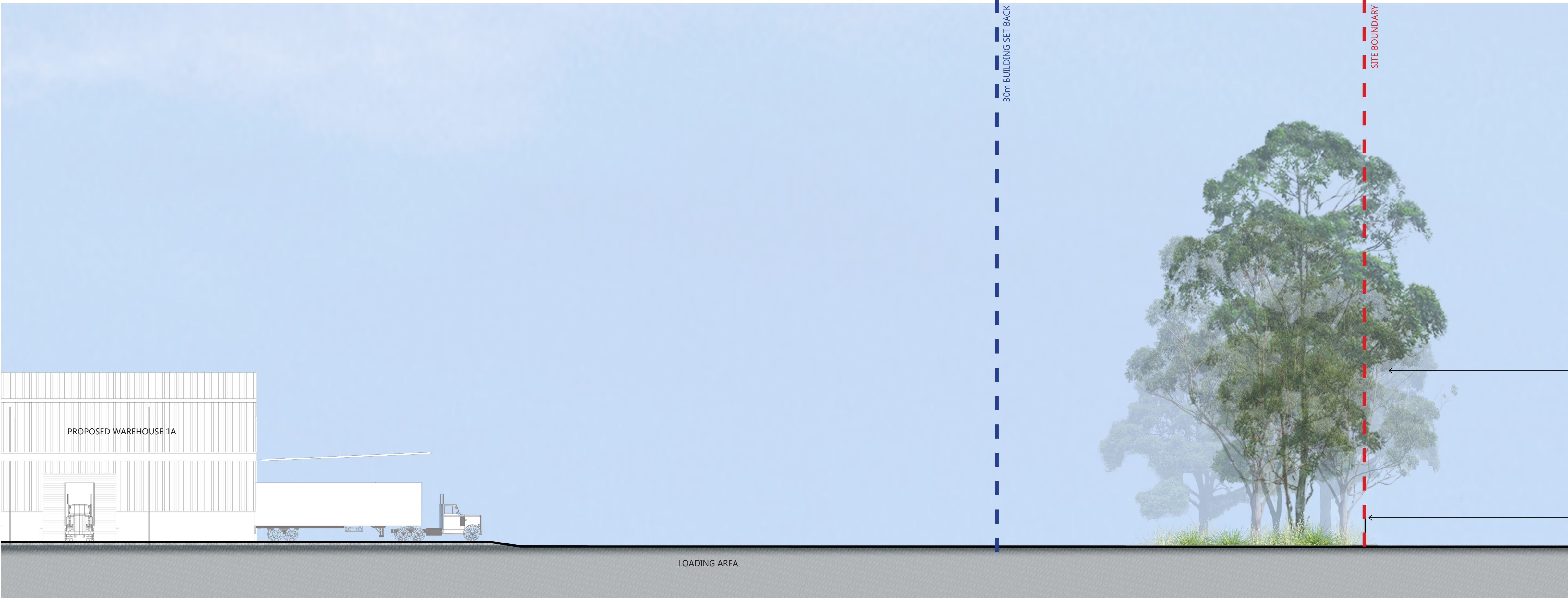
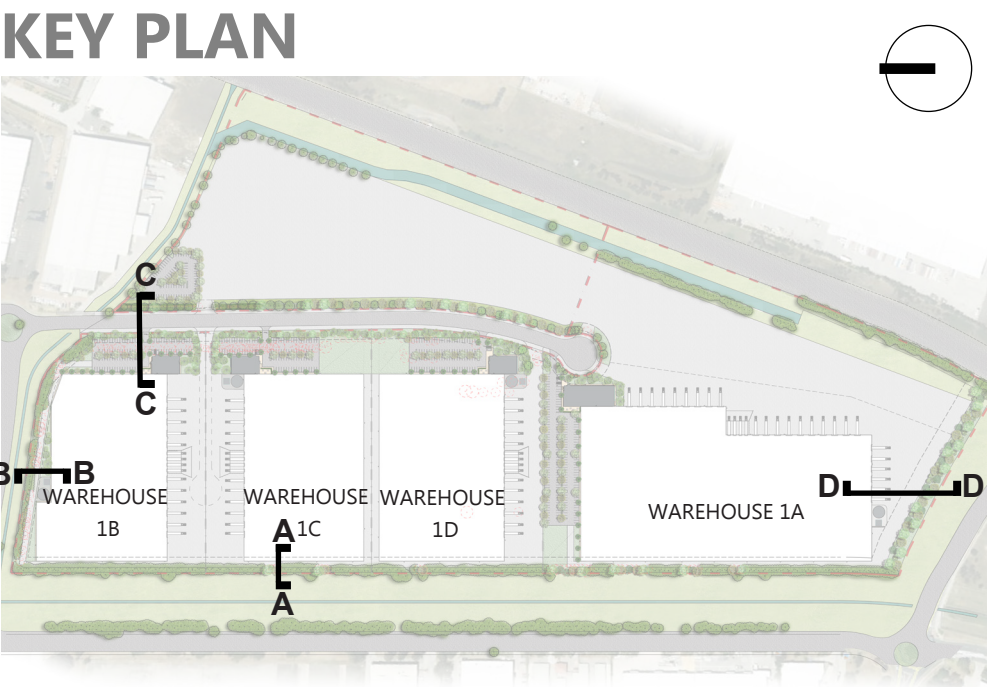
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Issue	Date	Description	Drawn	Checked																					
A	28.14	For Development Application	BH	RL																					
Date	Revision	Job Number	Drawing Number																						
28.04.2016	A3	20160104	<b>LDA-008</b>																						





SOUTHERN BOUNDARY LANDSCAPE SECTION  
SECTION DD




SCALE: 1:100 @ A1 (1:200 @ A3)



Proposed landscaping along the site's southern buffer zone to consist of a variety of large canopy trees, shrubs and native grasses to aid in the mitigation of views of the development from the adjacent Rose Payten Drive Overbridge.

Proposed 2.4m powdercoated palisade fence along site boundary

FOR DEVELOPMENT APPLICATION

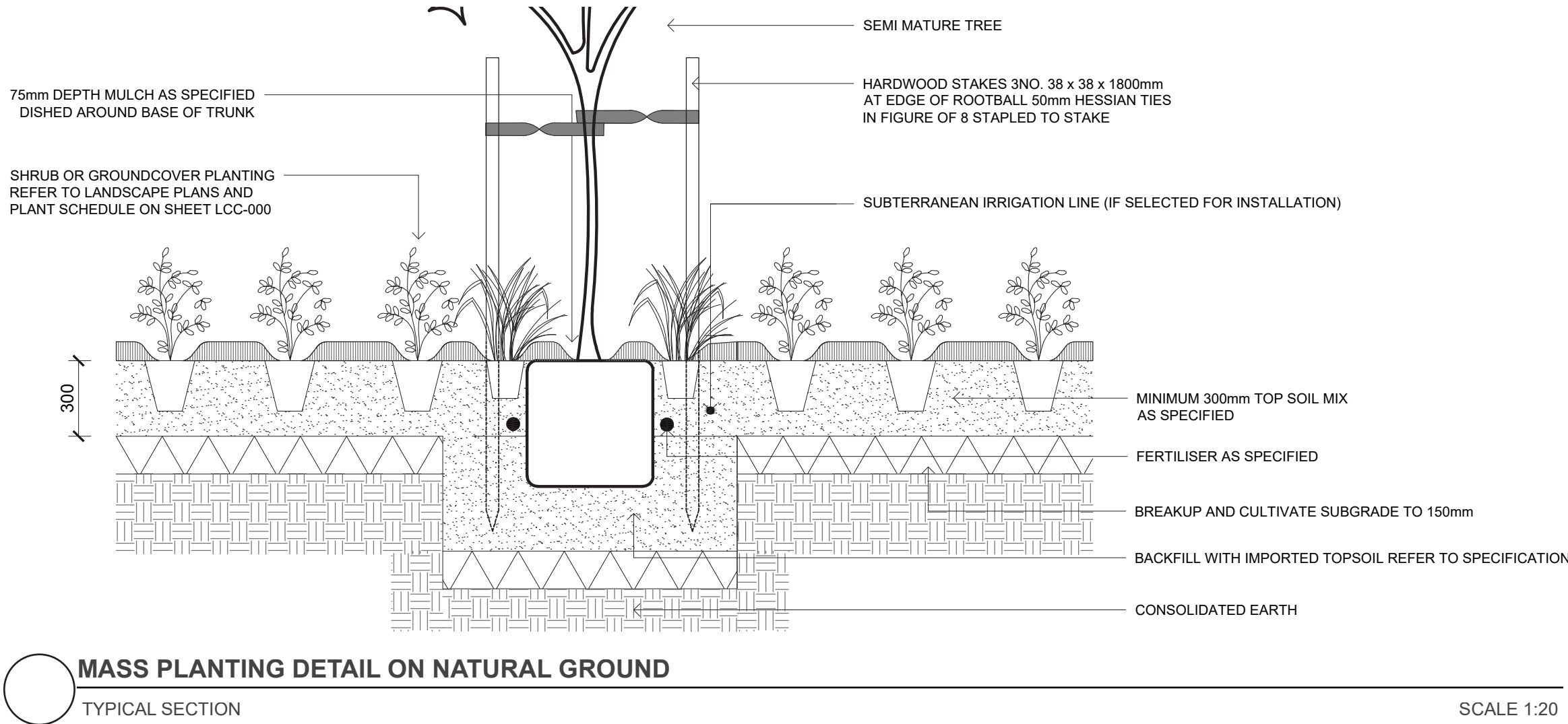
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			A	28.4.16	For Development Application	BH	RL			28.04.2016	A	20160104	<b>LDA-009</b>



INDICATIVE PLANT SCHEDULE

BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD
Large Trees				
<i>Allocasuarina littoralis</i>	Black She Oak	✓	12m	5m
<i>Allocasuarina torulosa</i>	Forest Oak	✓	20m	10m
<i>Angophora costata</i>	Smooth Barked Apple	✓	25m	15m
<i>Angophora floribunda</i>	Rough Barked Apple	✓	25m	15m
<i>Casurina glauca</i>	Swamp Oak	✓	20m	10m
<i>Corymbia gummifera</i>	Red Bloodwood	✓	15m	10m
<i>Corymbia maculata</i>	Spotted Gum	✓	22m	15m
<i>Eucalyptus amplifolia</i>	Cabbage Gum	✓	20m	10m
<i>Eucalyptus moluccana</i>	Grey Box	✓	20m	15m
<i>Eucalyptus sideroxylon</i>	Mugga Ironbark	✓	25m	15m
<i>Syncarpia glomulifera</i>	Turpentine	✓	40m	20m
<i>Tristaniopsis laurina</i>	Water Gum	✓	15m	6m
Small Trees / Large Shrubs				
<i>Acacia decurrens</i>	Black Wattle	✓	10m	2m
<i>Acacia implexa</i>	Hickory Wattle	✓	10m	2m
<i>Acacia floribunda</i>	Sally Wattle	✓	4m	3m
<i>Acacia parramattensis</i>	Sydney GreenWattle	✓	8m	4m
<i>Acmena smithii</i>	Lillypilly	✓	4m	3m
<i>Backhousia myrtifolia</i>	Grey Myrtle	✓	4m	3m
<i>Banksia ericifolia</i>	Heath Banksia	✓	5m	2m
<i>Banksia serrata</i>	Old Man Bankisa	✓	8m	2m
<i>Banksia spinulosa</i>	Hairpin Banksia	✓	8m	3m
<i>Callistemon citrinus</i>	Crimson Bottlebrush	✓	2m	3m
<i>Callistemon salignus</i>	Willow Bottlebrush	✓	4m	2m
<i>Ceratopetalum gummiferum</i>	Christmas Bush	✓	4m	3m
<i>Dodonaea triquetra</i>	Common Hop Bush	✓	3m	1m
<i>Elaeocarpus reticulatus</i>	Blueberry Ash	✓	10m	3m
<i>Melaleuca decora</i>	White Feather Honey Myrtle	✓	7m	2m
<i>Melaleuca linariifolia</i>	Snow In Summer	✓	8m	3m
<i>Melaleuca styphelioides</i>	Prickly Leaved Paper Bark	✓	15m	8m
<i>Syzygium australe</i>	Brush Cherry	✓	8m	3m
<i>Xanthorrea australis</i>	Austral Grass Tree	✓	2m	2m
Small & Medium Shrubs				
<i>Dianella revoluta</i>	Blue Flax-lily	✓	0.8m	0.8m
<i>Doryanthes excelsa</i>	Gymea Lilly	✓	2m	1.5m
<i>Eriostemon australasius</i>	Pink Wax Flower	✓	2m	1.5m
<i>Indigofera australis</i>	Native Indigo	✓	1.5m	1.5m
<i>Kunzea ambigua</i>	Tick Bush	✓	2m	2m
<i>Melaleuca thymifolia</i>	Thyme Honey Myrtle	✓	1m	1m
Groundcovers & Grasses				
<i>Baumea SPP.</i>	Square Twig Rush Bare	✓	0.3m	0.5m
<i>CarrexSPP.</i>	Strand Sedge Drooping	✓	0.5m	0.5m
<i>Clematis aristata</i>	Old Mans Beard	✓	Creeper	1.5m
<i>Dichondra repens</i>	Kidney Weed	✓	Creeper	1m
<i>Dianella caerulea</i>	Blue Flax-lily	✓	0.5m	0.5m
<i>Dianella longifolia</i>	Smooth Flax Lilly	✓	0.8m	0.8m
<i>Hardenbergia violacea</i>	False Sarsaparilla	✓	Creeper	2m
<i>Lomandra filiformis</i>	Wattle Mat-rush	✓	0.3m	0.5m
<i>Lomandra longifolia</i>	Spiny Head Mat-rush	✓	0.7m	0.7m
<i>Lomandra multiflora</i>	Many Flowered Mat-rush	✓	0.7m	0.7m
<i>Pandorea Pandorana</i>	Wonga Wonga Vine	✓	Creeper	5m
<i>Viola Hederacea</i>	Native Violet	✓	Creeper	2m
<i>Themeda australis</i>	Kangaroo Grass	✓	1m	05m

TYPICAL LANDSCAPE DETAIL



PLANT IMAGES



Allocasuarina liittoralis



Angophora costata



Eucalyptus amplifolia



Acmena smithii



Banksia serrata



Callistemon citrinus



Dianella revoluta



Doryanthes excelsa



Kunzea ambigua



Dichondra repens



Dianella caerulea



Lomandra longifolia

OUTLINE LANDSCAPE SPECIFICATION

**General**  
Maintenance shall mean the care and maintenance of the landscape works by accepted horticultural practice as rectifying any defects that become apparent in the landscape works under normal use. The landscape contractor shall attend the site on a weekly basis to maintain the landscape works for the full term approved at CC stage of the maintenance period (commencing from practical completion).

**Rubbish Removal**  
During the term of the maintenance period the Landscape Contractor shall undertake rubbish removal from the site on a weekly basis to ensure the site remains in tidy condition.

**Weed Eradication**  
Weed growth that may occur in, planted or mulched areas is to be removed using environmentally acceptable methods i.e. non-residual glyphosate herbicide, (e.g. 'Roundup', applied in accordance with the manufacturer's directions) or hand weeding.

**Tree Replacement**  
Trees shall show signs of healthy vigorous growth and be free from disease and not exhibit signs of stress prior to handover to the client. Any trees or plant that die or fail to thrive, or are damaged or stolen will be replaced. Replacement material shall have the maintenance period extended in accordance with the landscape contract conditions. Trees and plant materials shall be equal to the minimum requirements of species specified and approved material delivered to site. Should the condition decline from the approved sample the Superintendent reserves the right to reject the tree / plants.  
Frequency: as required.

**Pruning**  
Selective pruning may be required during the establishment period to promote a balanced canopy structure. These activities shall be carried out to the best horticultural and industry practice. All pruned material is to be removed from site.

**Irrigation**  
A low volume drip irrigation system may be installed at the discretion of the Developer. Position of control box, solenoids and irrigation conduits to be designed by qualified irrigation engineer at CC stage. Controllers shall be mounted on a stable wall, power rack, or formed and constructed concrete based pedestal mount. Performance specification to be provided by landscape architect, nominally 25mm delivered to plant areas each week during establishment (depending on weather conditions). After establishment, irrigation rates can be decreased in certain areas of the landscape depending on the species.

**Watering**  
Implement an appropriate hand watering regime in areas not irrigated in association with current watering programme to maintain plant health and vigour. The program shall reflect seasonal conditions and plant species.  
Frequency: Weekly or as required.

**Drainage**  
All landscape areas are to have positive drainage to SW systems. If areas of poor drainage are identified on site then this should be brought to the site superindendants attention. Install agg lines if required.

**Soils**  
The landscape contractor shall supply and install 'Native Low 'P', as supplied by ANL, to a depth of 300mm to all garden beds as shown on the landscape plans.

**Cultivation**  
All garden beds to be cultivated to a min depth of 150mm and tree pits to the depth of the root ball only. If additives such as gypsum are required conduct this after cultivation into the top 100mm of soil.




**Planting**  
All planting to be grown to NATSPEC specifications. Contractor to prepare site for planting including watering, handling, setting out and excavation. Excavate a hole for each plant large enough to provide not less than 100mm all around the root system of the plant. For tree planting each hole shall be dug with a shovel, backhoe or similar tool. Individual holes shall be excavated to allow root system to sit flat on the excavated hole and 400mm to each side of the root system. Backfill planting holes with existing site soil and topsoil as described in section 'Soil', plant / Tree shall be set plumb, with the root ball set slightly below the final soil level.

**Mulching**  
The Landscape Contractor shall supply and install 10mm Pine Bark Mulch to all garden beds shown on the landscape plans, to a minimum depth of 75mm. All mulch is to be free of deleterious matter such as soil, weeds and sticks. Mulched surfaces are to be kept clean and tidy and free of any deleterious material and foreign matter. Reinstate depths to a uniform level of 75mm with mulch as specified, mulch to be free of any wood material impregnated with CCA or similar toxic treatment. Maintain watering rings around trees. Top up mulch levels prior to handover to client.

**Pest and Disease Control**  
The Landscape Contractor shall spray for pests and disease infestations when the pest and fungal attack has been positively identified and when their populations have increased to a point that will become detrimental to plant growth. Apply all pesticides to manufacturer's directions.  
Frequency: weekly inspection

**Fertilising**  
Pellets shall be in the form intended to uniformly release plant food elements for a period of approximately nine months equal to Shirleys KOKEI pellets, analysis 6.3:1.8:2.9 or similar approved. KOKEI pellets shall be placed at the time of planting to the base of the plant, 50mm minimum from the root ball at a rate of two pellets per 300mm of top growth to a maximum of 8 pellets per tree. Generally check for signs of nutrient deficiencies (yellowing of leaves, failure to thrive), and adapt fertiliser regime to suit. Fertiliser should be applied at the beginning and the end of the (summer) growing season.

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									Scale				
									Drawing Name				
									CULVERSTON ROAD, MINTO NSW				
									LANDSCAPE DETAILS				