

Moorebank Precinct East - Stage 2 Proposal

Landscape Design Statement



SIMTA

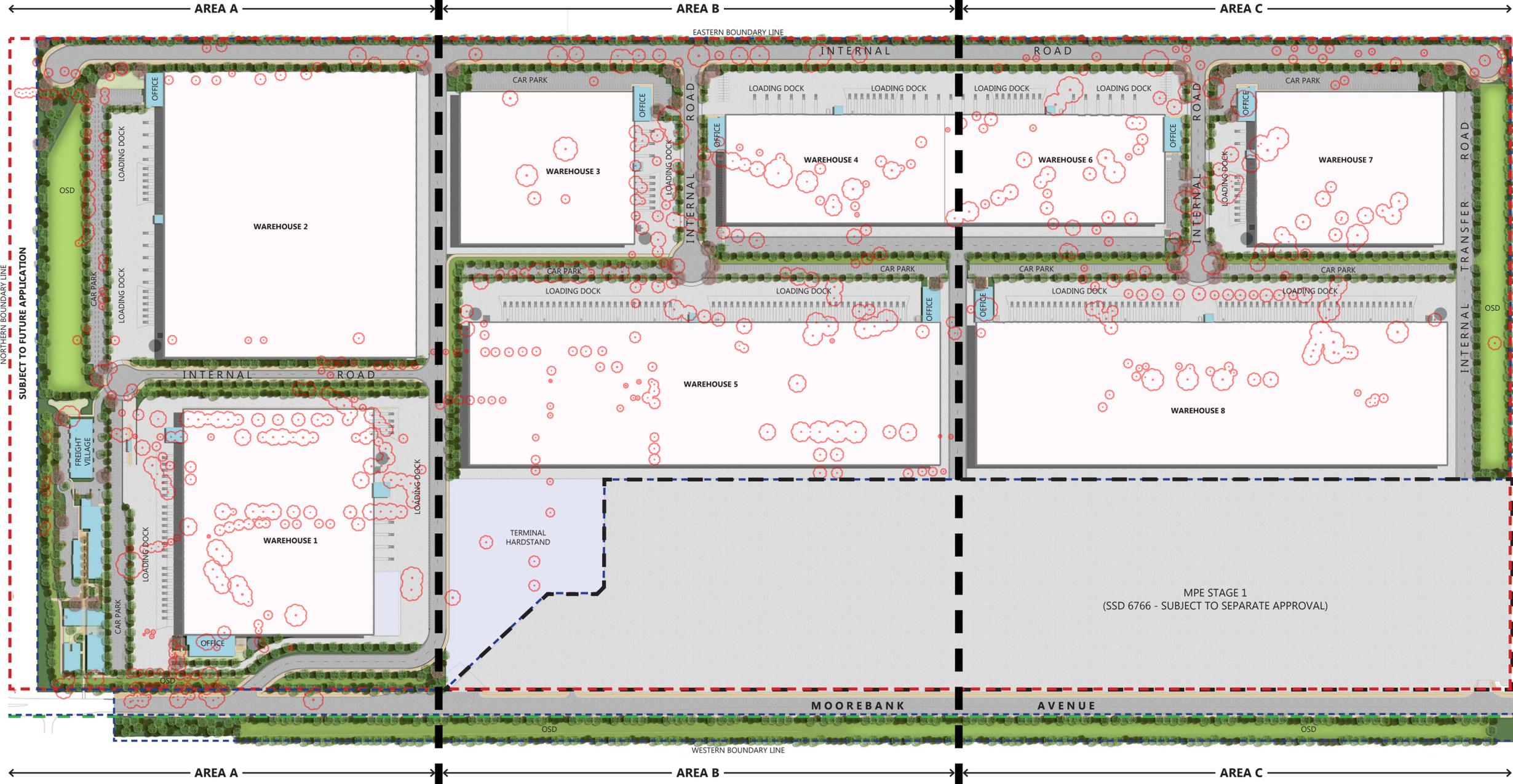
SYDNEY INTERMODAL TERMINAL ALLIANCE

Part 4, Division 4.1, State Significant
Development

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MOOREBANK PRECINCT EAST STAGE 2

LANDSCAPE PLAN



LEGEND

- - - MPE Site Boundary
- - - MPE Stage 2 Operational Boundary
- - - MPE Stage 1 Operational Boundary (subject to separate approval)
- - - MPW Stage 2 Operational Boundary (subject to separate approval)
- Proposed Canopy Tree Planting (refer to Plant Schedule on Drawing LDA002)
- Proposed Landscape Planting Area
- Proposed Turfed Area
- Proposed Pedestrian Path
- Proposed OSD
- Indicative Truck Parking
- Existing Trees to be Removed

DRAWING LIST

- LDA-001 MPE STAGE 2 LANDSCAPE MASTERPLAN
- LDA-002 MPE STAGE 2 - AREA A LANDSCAPE PLAN
- LDA-003 MPE STAGE 2 - AREA A LANDSCAPE SECTIONS
- LDA-004 MPE STAGE 2 - AREA B LANDSCAPE PLAN
- LDA-005 MPE STAGE 2 - AREA C LANDSCAPE PLAN
- LDA-006 FREIGHT VILLAGE LANDSCAPE PLAN
- LDA-007 MOOREBANK AVE LANDSCAPE SECTIONS

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Engineer
ARCADIS
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Architect
REID CAMPBELL
TACTICAL GROUP

Project Manager
TACTICAL GROUP

Issue	Date	Description	Drawn	Checked
A	7.11.16	DA DRAWINGS	BH	RL

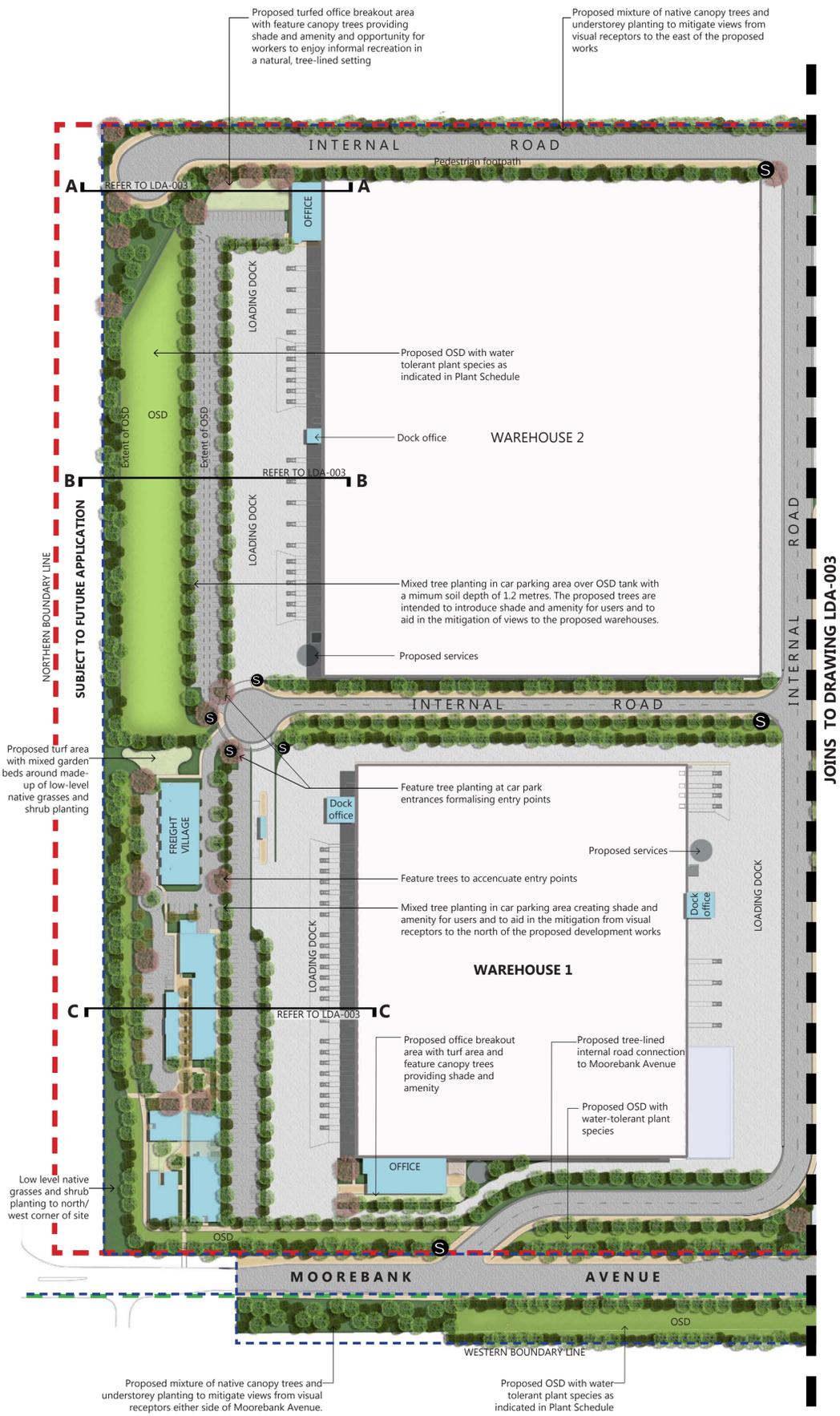
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Project
MOOREBANK PRECINCT EAST STAGE 2
 Project Address
 Moorebank Avenue, Moorebank, NSW

Date	Revision	Job Number	Drawing Number
7.11.2016	A	20151210	LDA-001

Scale
 1:2000 @ A1 (1:4000 @ A3)
 0 10 20 40 60 80 100m
 Drawing Name
MPE STAGE 2 - LANDSCAPE MASTERPLAN

North



PROPOSED PLANT SCHEDULE

BOTANICAL NAME	COMMON NAME	NATIVE	EXPECTED MATURE HEIGHT	INSTALL SIZE
Trees				
<i>Acmena smithii</i>	Lilly-pilly	✓	12m	100L
<i>Angophora bakeri</i>	Narrow-leaved Apple	✓	10m	100L
<i>Angophora floribunda</i>	Rough-barked Apple	✓	20m	100L
<i>Angophora subvelutina</i>	Broad-leaved Apple	✓	20m	100L
<i>Corymbia maculata</i>	Spotted Gum	✓	20-25m	100L
<i>Eucalyptus racemosa</i>	Snappy Gum, Scribbly Gum	✓	15m	100L
<i>Melaleuca decora</i>	White Cloud Tree	✓	6-10m	45L
<i>Melaleuca linariifolia</i>	Flax-leaved Paperbark	✓	10m	45L
Shrubs				
<i>Acacia decurrens</i>	Black Wattle	✓	10-15m	200mm
<i>Acacia falcata</i>	Sickle Wattle	✓	4m	200mm
<i>Acacia parramattensis</i>	Parramatta Green Wattle	✓	10m	200mm
<i>Bossiaea heterophylla</i>	Variable Bossiaea	✓	1m	200mm
<i>Callistemon citrinus</i>	Scarlet Bottlebrush	✓	4m	200mm
<i>Callistemon linearis</i>	Narrow-leaved Bottlebrush	✓	3m	200mm
<i>Callistemon salignus</i>	White Bottlebrush, Pink-tips	✓	9m	200mm
<i>Daviesia ulicifolia</i>	Gorse Bitter-pea	✓	2m	200mm
<i>Kunzea ambigua</i>	Tick-bush	✓	2.5m	200mm
<i>Leptospermum polygalifolium</i>	Tantoan	✓	0.5-3m	200mm
<i>Leptospermum trinervium</i>	Slender Tea-tree	✓	4m	200mm
<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	✓	5m	200mm
<i>Melaleuca nodosa</i>	Ball Honey-myrtle	✓	4m	200mm
<i>Melaleuca thymifolia</i>	Thyme Honey-myrtle	✓	0.8m	200mm
<i>Philotheca salsolifolia</i>	Philothea	✓	1m	200mm
<i>Pittosporum undulatum</i>	Pittosporum	✓	10m	200mm
Groundcovers				
<i>Dianella caerulea</i>	Blue Flax-lily	✓	0.6m	150mm
<i>Dianella revoluta</i>	Blue Flax-lily, Spreading Flax-lily	✓	0.8m	150mm
<i>Dichondra repens</i>	Kidney-weed, Mercury Bay Weed	✓	0.3m	150mm
<i>Hardenbergia violacea</i>	False Sarsaparilla	✓	Creepers	150mm
<i>Imperata cylindrica</i>	Blady Grass	✓	1.2m	150mm
<i>Lomandra longifolia</i>	Spiny-headed Mat-rush	✓	0.7m	150mm
<i>Microlaena stipoides</i>	Weeping Grass, Meadow Rice-grass	✓	0.7m	150mm
<i>Themeda australis</i>	Kangaroo Grass	✓	0.8m	150mm

OSD PLANT SCHEDULE

BOTANICAL NAME	COMMON NAME	NATIVE	EXPECTED MATURE HEIGHT	INSTALL SIZE
Groundcovers				
<i>Baumea articulata</i>	Jointed Twig-rush	✓	1-2m	150mm
<i>Bolboschoenus fluviatilis</i>	Club-rush	✓	1m	150mm
<i>Carex appressa</i>	Tall Sedge	✓	0.8m	150mm
<i>Carex breviculmis</i>	Short-Stem Sedge	✓	0.4m	150mm
<i>Dampiera stricta</i>	Blue Dampiera	✓	0.3m	150mm
<i>Dichondra repens</i>	Kidney-weed, Mercury Bay Weed	✓	0.3m	150mm
<i>Gahnia clarkei</i>	Tall Saw-sedge	✓	1.5m	150mm
<i>Goodenia hederacea</i>	Ivy Goodenia	✓	0.5m	150mm
<i>Hemarthria uncinata</i>	Mat Grass	✓	1m	150mm
<i>Isolepis inundata</i>	Water Club-rush	✓	0.5m	150mm
<i>Juncus continuus</i>	Rush	✓	1m	150mm
<i>Juncus prismaticarpus</i>	Branching Rush	✓	0.6m	150mm
<i>Juncus usitatus</i>	Common Rush	✓	1m	150mm
<i>Laxmannia gracilis</i>	Slender Wire Lily	✓	0.2m	150mm
<i>Leptocarpus tenax</i>	Slender Twine Rush	✓	0.4m	150mm
<i>Lepyrodia scariosa</i>	Scale Rush	✓	0.9m	150mm
<i>Microlaena stipoides</i>	Weeping Grass, Meadow Rice-grass	✓	0.7	150mm
<i>Philydrum lanuginosum</i>	Woolly Waterlily, Frogmouth	✓	2m	150mm
<i>Schoenus apogon</i>	Fluke Bog-rush, Common Bog-rush	✓	0.2m	150mm

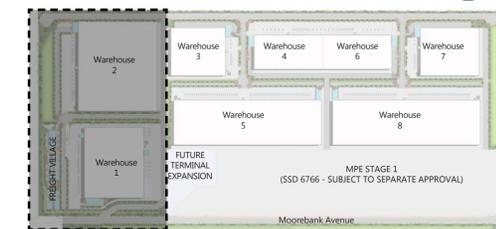
FREIGHT VILLAGE PROPOSED PLANT SCHEDULE

BOTANICAL NAME	COMMON NAME	NATIVE	EXPECTED MATURE HEIGHT	INSTALL SIZE
Trees				
<i>Allocasuarina littoralis</i>	Black She-Oak	✓	10m	100L
<i>Eucalyptus racemosa</i>	Snappy Gum, Scribbly Gum	✓	15m	100L
<i>Eucalyptus sideroxylon</i>	Mugga, Red Ironbark	✓	20-25m	100L
<i>Eucalyptus tereticornis</i>	Forest Red Gum	✓	20-25m	100L
<i>Melaleuca decora</i>	White Cloud Tree	✓	6-10m	45L
<i>Melaleuca linariifolia</i>	Flax-leaved Paperbark	✓	10m	45L
Shrubs				
<i>Acacia brownii</i>	Golden Prickly Moses	✓	1m	200mm
<i>Acacia parramattensis</i>	Parramatta Green Wattle	✓	10m	200mm
<i>Callistemon citrinus</i>	Scarlet Bottlebrush	✓	4m	200mm
<i>Callistemon linearis</i>	Narrow-leaved Bottlebrush	✓	3m	200mm
<i>Callistemon salignus</i>	White Bottlebrush, Pink-tips	✓	9m	200mm
<i>Kunzea ambigua</i>	Tick-bush	✓	2.5m	200mm
<i>Melaleuca nodosa</i>	Ball Honey-myrtle	✓	4m	200mm
<i>Pittosporum undulatum</i>	Pittosporum	✓	10m	200mm
Groundcovers				
<i>Australanthonia fulva</i>	Wallaby Grass	✓	0.7m	150mm
<i>Dianella caerulea</i>	Blue Flax-lily	✓	0.6m	150mm
<i>Dianella revoluta</i>	Blue Flax-lily, Spreading Flax-lily	✓	0.8m	150mm
<i>Dichondra repens</i>	Kidney-weed, Mercury Bay Weed	✓	0.3m	150mm
<i>Hardenbergia violacea</i>	False Sarsaparilla	✓	Creepers	150mm
<i>Lomandra longifolia</i>	Spiny-headed Mat-rush	✓	0.7m	150mm
<i>Microlaena stipoides</i>	Weeping Grass, Meadow Rice-grass	✓	0.7m	150mm
<i>Themeda australis</i>	Kangaroo Grass	✓	0.8m	150mm

PLANT IMAGES



KEY PLAN



LEGEND

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- MPW Stage 2 Operational Boundary (subject to separate approval)
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- Proposed Landscape Planting Area
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- Proposed Pedestrian Path
- Proposed OSD
- Indicative Truck Parking
- Proposed Site Signage refer to Architectural Drawing 115123_A_SSD_3000

DESIGN STATEMENT

The purpose of the landscape scheme is to re-introduce a mixture of site-suitable plant species as selected from Liverpool City Council's recommended plant list which aim to enhance and create habitat opportunities and links to the surrounding vegetation communities. The proposed tree planting has been designed with the intent of creating a uniform canopy cover throughout the area to provide shade and amenity to the site, thus mitigating the heat island effect. The positioning of the built forms has maximised planting opportunities. Large trees planted within this area will serve to minimise visual impacts from the surrounding urban landscape.

Planting within the onsite detention channels proposes plant selections which are local species that will integrate the infrastructure with the existing landscape. The selected species are also appropriate for the fluctuating hydrology of the channel. This will create biological connections in the landscape.

A mix of large native canopy trees has been applied to the Proposal which provides opportunities for shade throughout car parking areas and pedestrian pathways. This has been designed with a variety of tree forms - both small and large - to create a hierarchy in the proposed landscape works.

Planting will provide significant screening from the roadway to the built structures of the site. It will use a range of local species that have been selected for their unique forms, colours and textures and intends to create an avenue style planting scheme along internal roads. Feature tree planting is used throughout the site to highlight entrances and other transitional points.

The landscape for the proposed freight village aims to provide an easily-orientated pathway network for visitors and workers of the site. Planting will incorporate a range of local species that have been selected for their unique forms, colours and textures that aim to provide screening whilst also accentuating walkways and open space areas which are incorporated into the village.

The landscaping to the South West corner of the Proposal, on the Western side of Moorebank Ave consists of a variety of low-level native grasses and groundcovers. This approach aims to integrate the proposed development into the broader environment by using local species to enhance local habitat values. The planting style is to be informal which will serve to enhance the natural characteristics of the landscape. Where reasonable and feasible plants will be propagated with seeds collected within the local area. This will reinforce the genetic integrity of the region.

Proposed plant species have been selected for their site-suitability with many species selected from Liverpool City Council's recommended plant list.

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Engineer



Architect



Project Manager



Issue	Date	Description	Drawn	Checked
A	7.11.16	DA DRAWINGS	BH	RL

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Project

MOOREBANK PRECINCT EAST STAGE 2

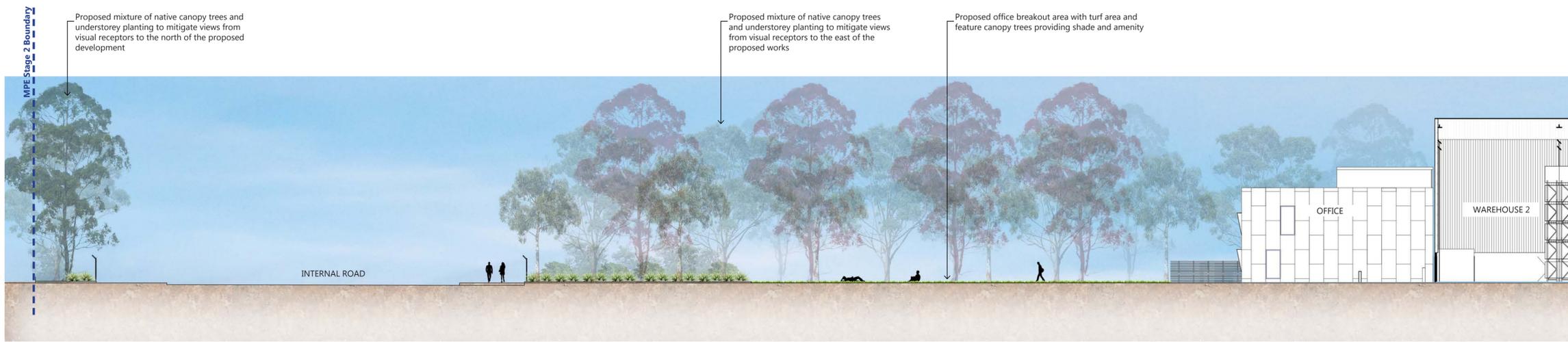
Project Address

Moorebank Avenue, Moorebank, NSW

Date	Revision	Job Number	Drawing Number
7.11.2016	A	20151210	LDA-002

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Drawing Name
MPE STAGE 2 - AREA A LANDSCAPE PLAN

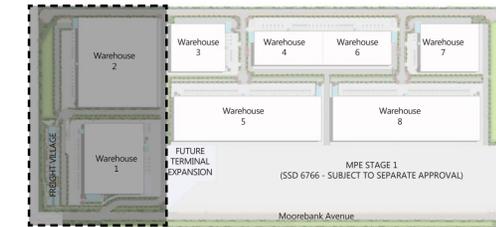


LANDSCAPE SECTION ELEVATION A-A

SCALE: 1:200 @ A1 (1:400 @ A3)

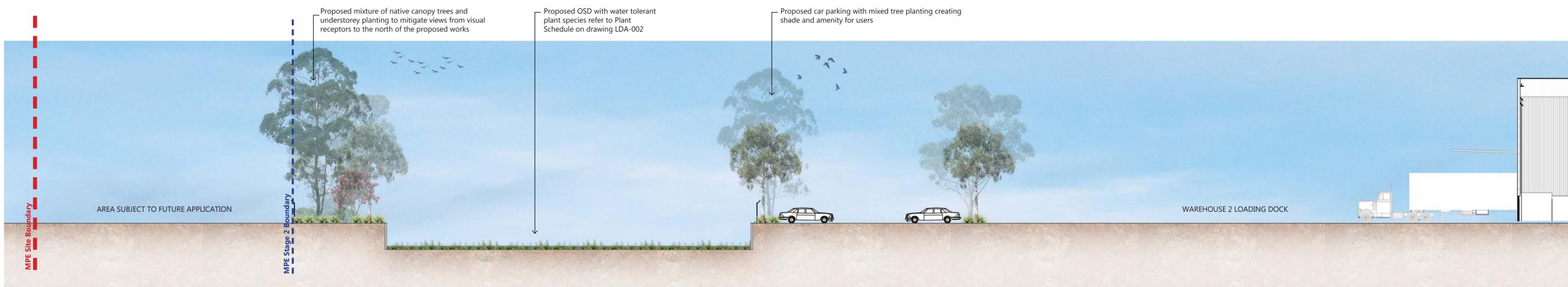


KEY PLAN



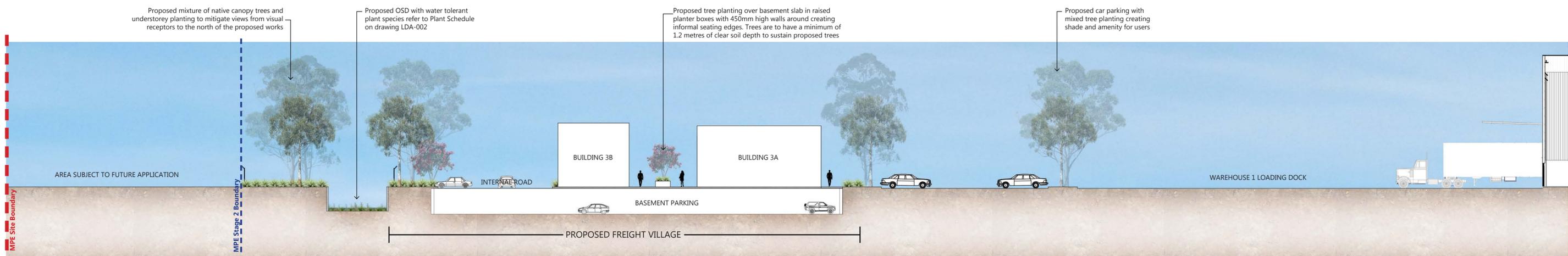
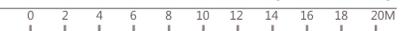
LEGEND

- MPE Site Boundary
- MPE Stage 2 Operational Boundary



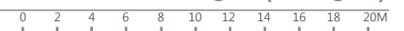
LANDSCAPE SECTION ELEVATION B-B

SCALE: 1:200 @ A1 (1:400 @ A3)



LANDSCAPE SECTION ELEVATION C-C

SCALE: 1:200 @ A1 (1:400 @ A3)



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Engineer

ARCADIS Design & Consultancy for natural and built assets

Architect

REID CAMPBELL

Project Manager

TACTICAL GROUP

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A	7.11.16	DA DRAWINGS	BH	RL

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Project

MOOREBANK PRECINCT EAST STAGE 2

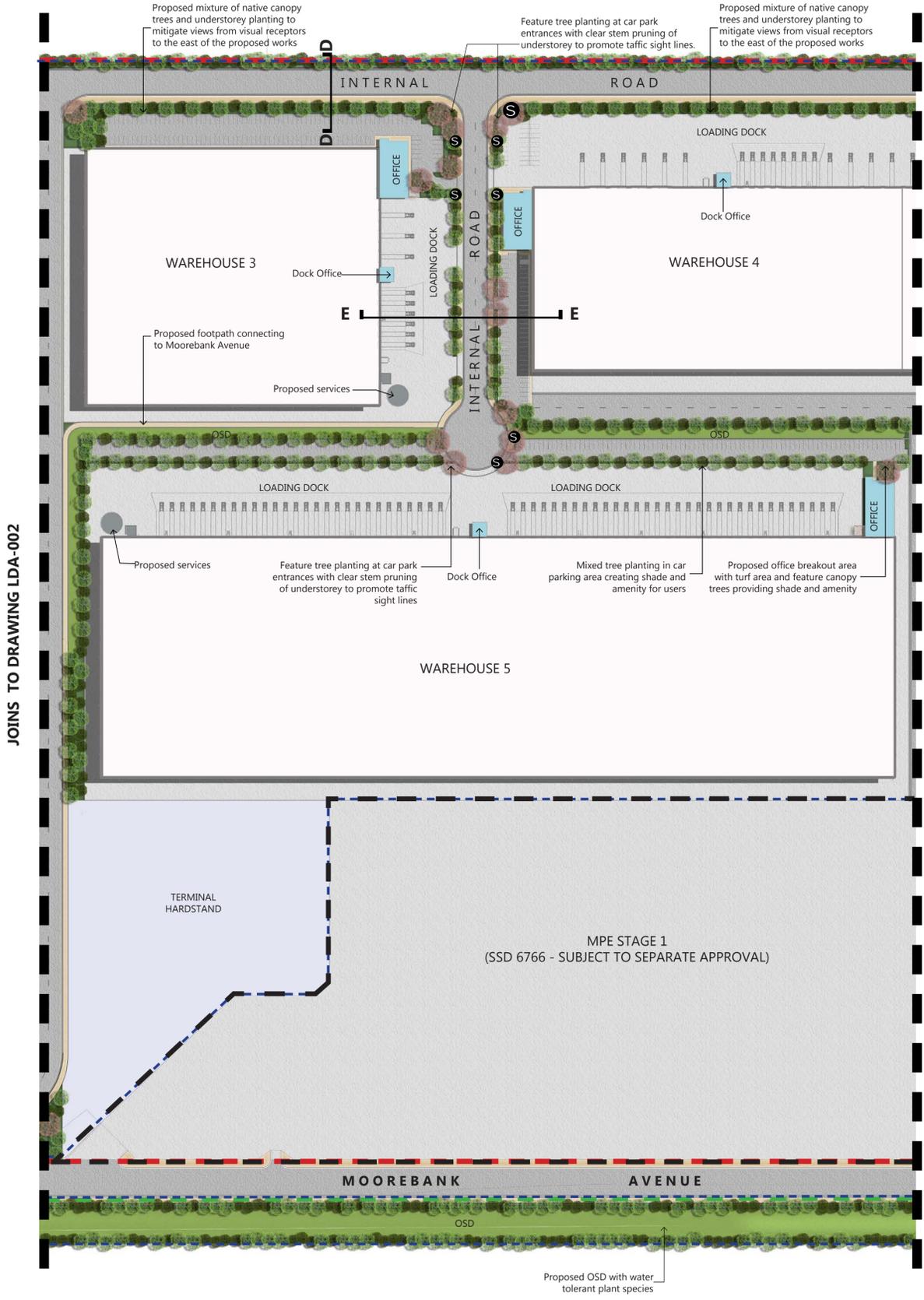
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Moorebank Avenue, Moorebank, NSW

Date	Revision	Job Number	Drawing Number
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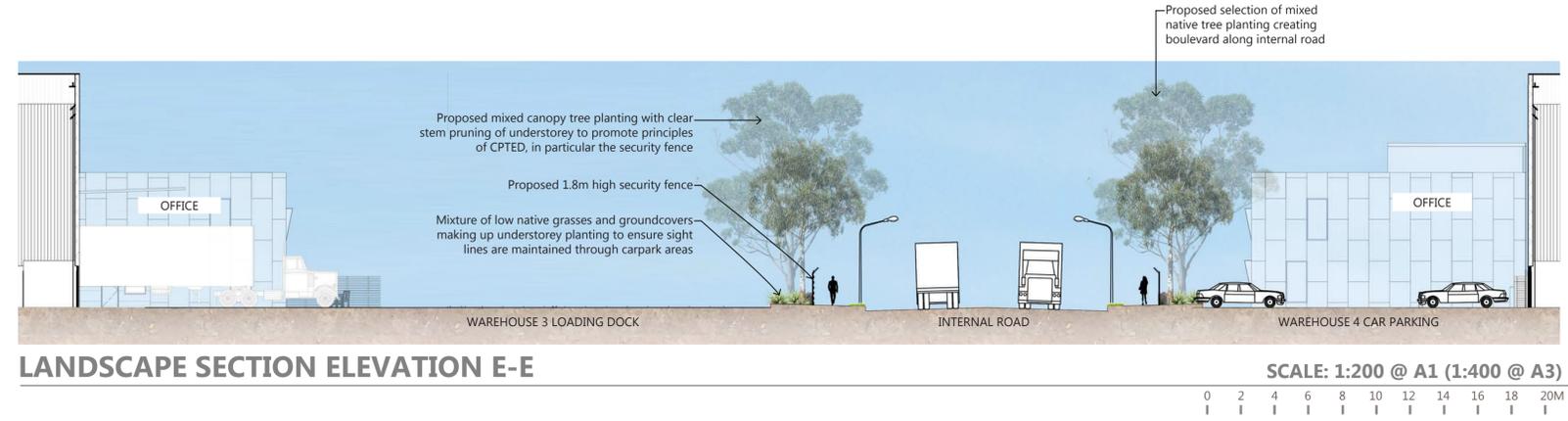
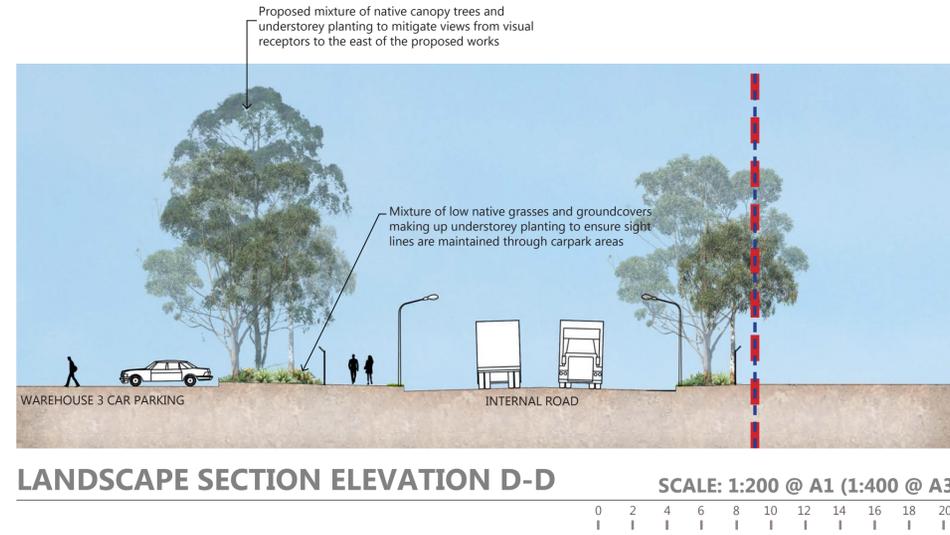
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Drawing Name
MPE STAGE 2 - AREA A LANDSCAPE SECTIONS



JOINS TO DRAWING LDA-002

JOINS TO DRAWING LDA-004



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A	7.11.16	DA DRAWINGS	BH	RL

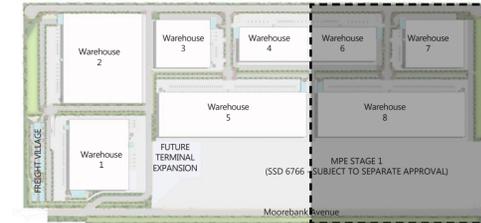
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Project
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Project Address
Moorebank Avenue, Moorebank, NSW

Date
7.11.2016
Scale
1:1000 @ A1 (1:2000 @ A3)
0 5 10 20 30 40 50m
Drawing Name
MPE STAGE 2 - AREA B LANDSCAPE PLAN

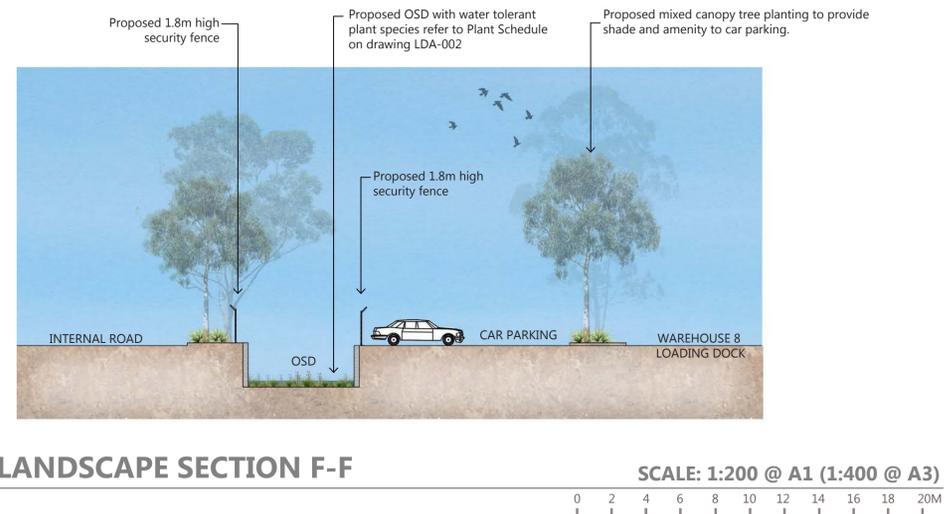
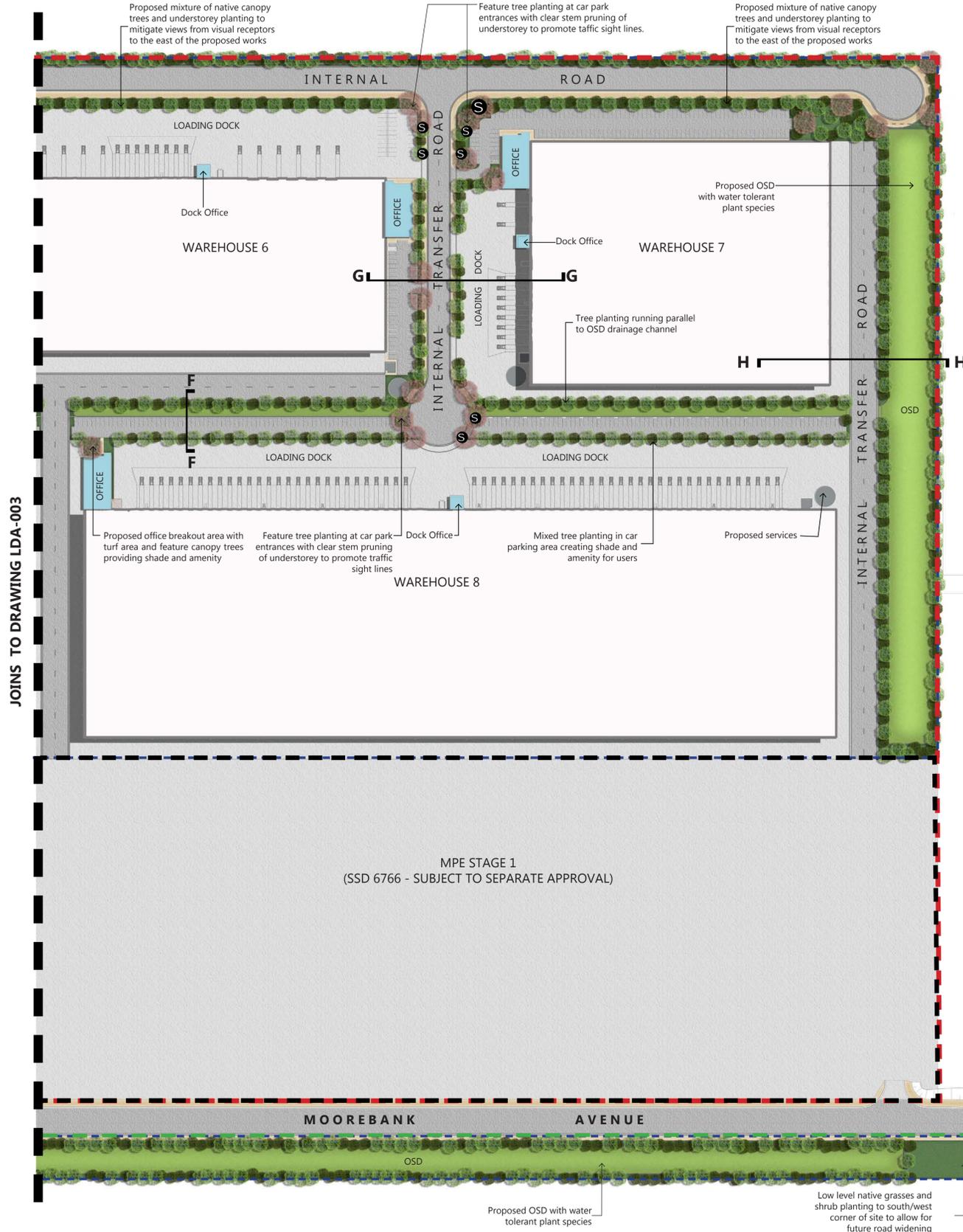
Revision
A
Job Number
20151210
Drawing Number
LDA-004
North

KEY PLAN

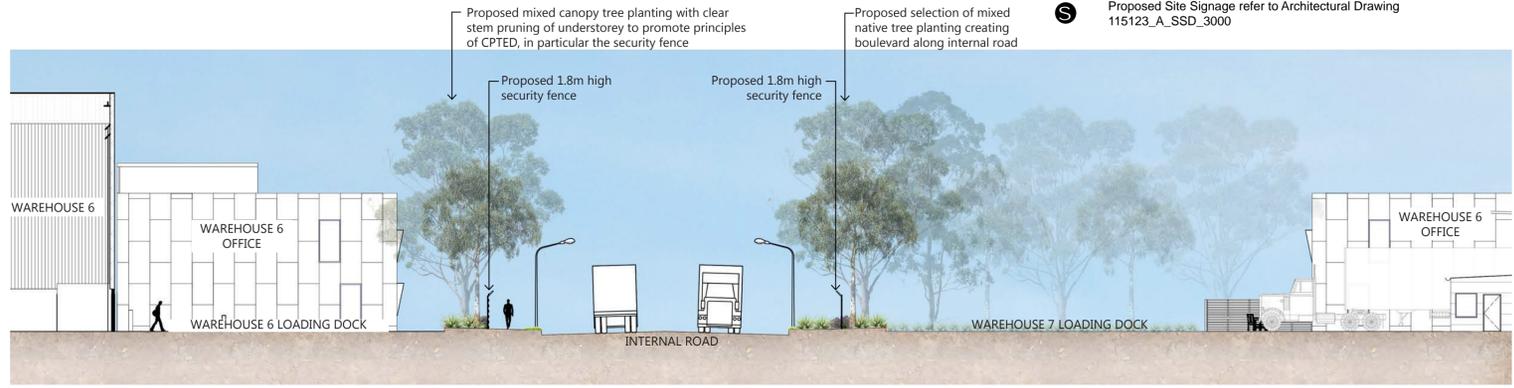


LEGEND

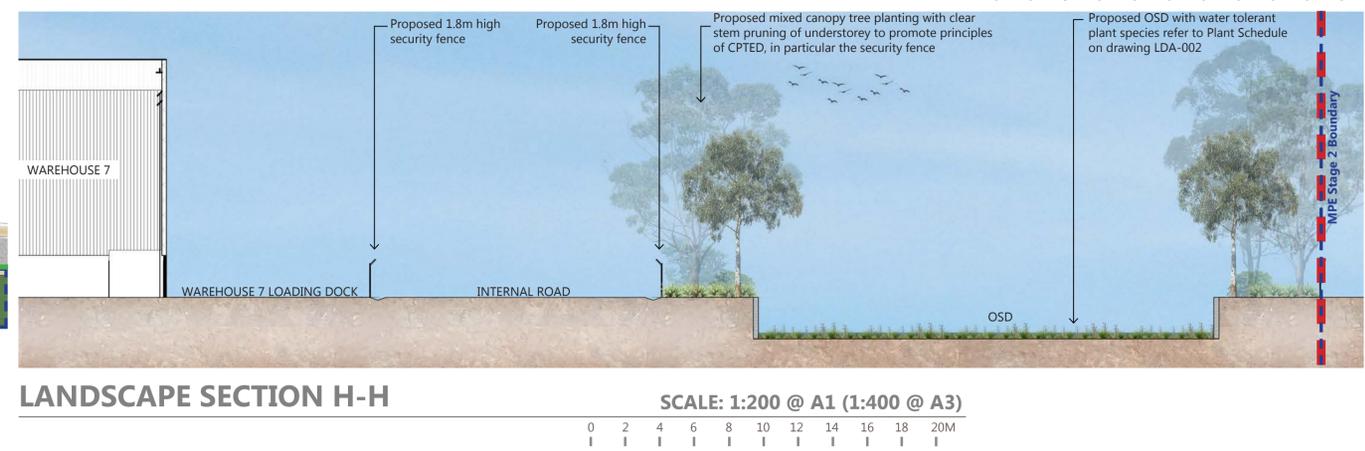
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LANDSCAPE SECTION F-F



LANDSCAPE SECTION ELEVATION G-G



LANDSCAPE SECTION H-H

JOINS TO DRAWING LDA-003

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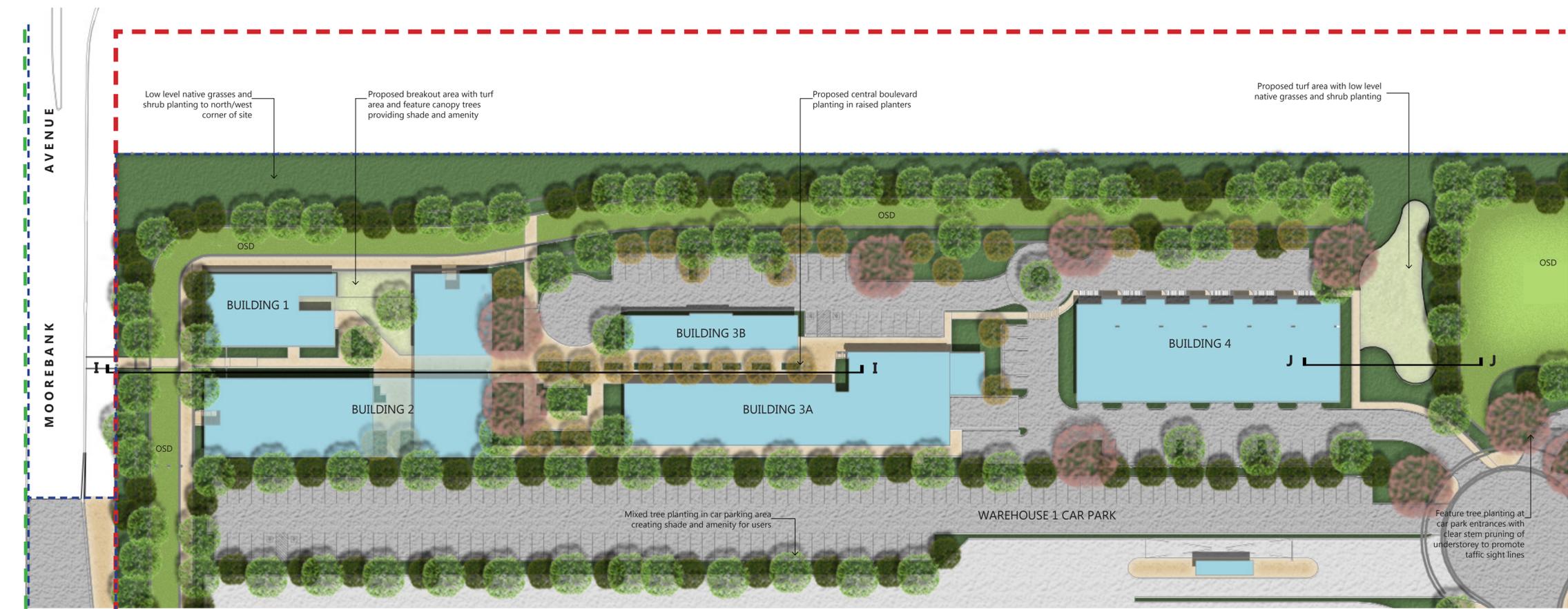
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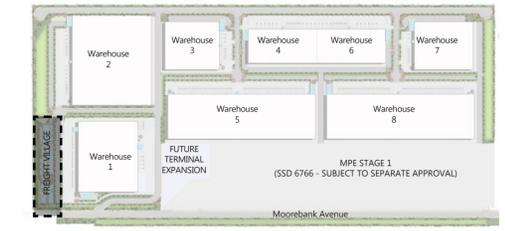
Project
MOOREBANK PRECINCT EAST STAGE 2
 Project Address
 Moorebank Avenue, Moorebank, NSW

Date
7.11.2016
 Scale
 1:1000 @ A1 (1:2000 @ A3)
 0 5 10 20 30 40 50m
 Drawing Name
MPE STAGE 2 - AREA C LANDSCAPE PLAN

Revision
A
 Job Number
 20151210
 Drawing Number
LDA-005
 North



KEY PLAN



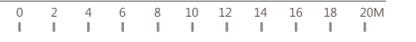
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LANDSCAPE SECTION ELEVATION I-I

SCALE: 1:200 @ A1 (1:400 @ A3)



LANDSCAPE SECTION ELEVATION J-J

SCALE: 1:200 @ A1 (1:400 @ A3)



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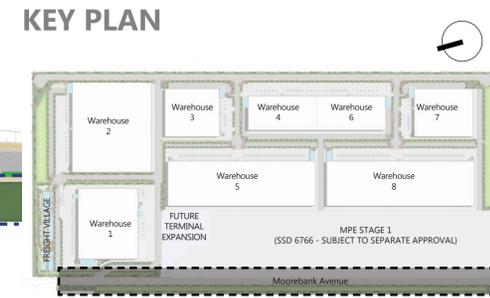
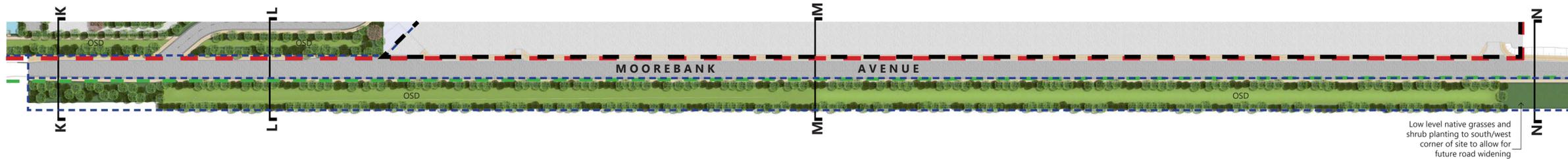
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FREIGHT VILLAGE LANDSCAPE PLAN

Date Revision Job Number Drawing Number
7.11.2016 A 20151210 LDA-006
 North



Low level native grasses and shrub planting to south/west corner of site to allow for future road widening

- ### LEGEND
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 - Proposed Pedestrian Path
 - Proposed OSD



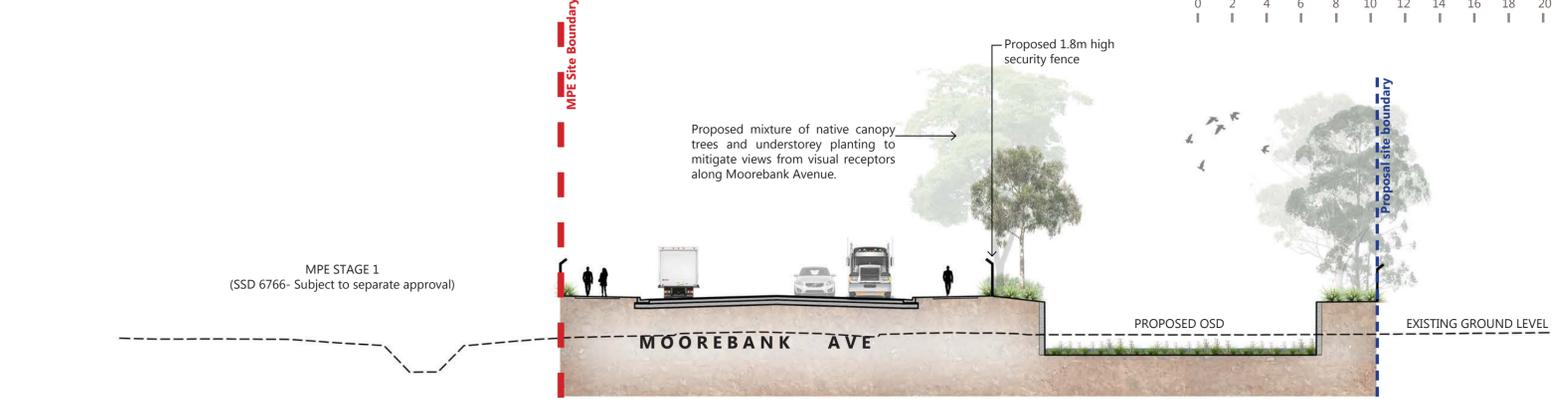
LANDSCAPE SECTION K-K

SCALE: 1:200 @ A1 (1:400 @ A3)



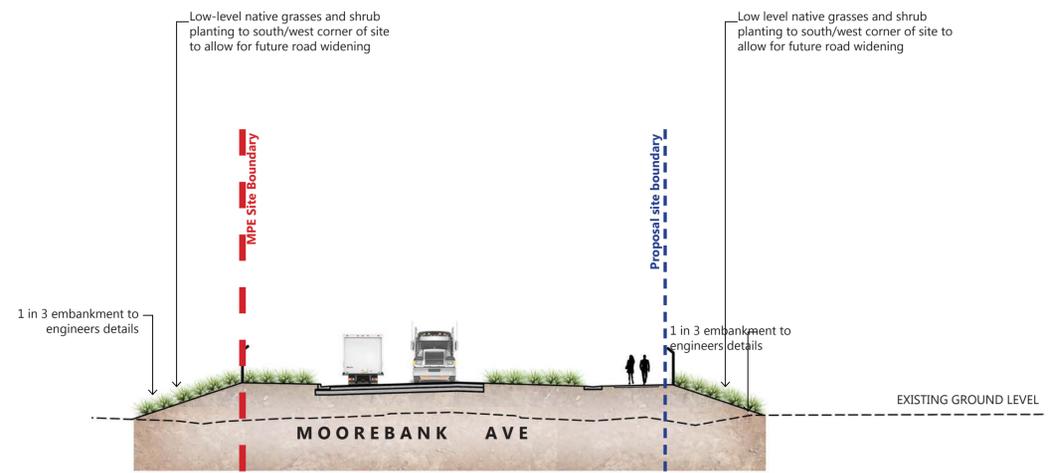
LANDSCAPE SECTION L-L

SCALE: 1:200 @ A1 (1:400 @ A3)



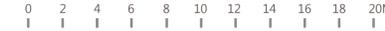
LANDSCAPE SECTION M-M

SCALE: 1:200 @ A1 (1:400 @ A3)



LANDSCAPE SECTION N-N

SCALE: 1:200 @ A1 (1:400 @ A3)



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Engineer
 ARCADIS
 Design & Consultancy for natural and built assets

Architect
 REID CAMPBELL

Project Manager
 TACTICAL GROUP

Issue	Date	Description	Drawn	Checked
A	7.11.16	DA DRAWINGS	BH	RL

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Project
MOOREBANK PRECINCT EAST STAGE 2
 Project Address
 Moorebank Avenue, Moorebank, NSW

Date
7.11.2016
 Scale
 1:500 @ A1 (1:1000 @ A3)
 0 5 10 20 30 40 50m
 Drawing Name
MOOREBANK AVE LANDSCAPE SECTIONS

Revision
A
 Job Number
 20151210
 Drawing Number
LDA-007
 North

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