

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

DRAWING LIST

- | | |
|------------|---|
| LDA-001 | LANDSCAPE MASTERPLAN & COVERSHEET |
| LDA-002 | TREE RETENTION PLAN |
| LDA-003 | STAGE 4 LANDSCAPE PLAN |
| LDA-004 | STAGE 1 & 2 LANDSCAPE PLAN |
| LDA-005 | STAGE 3 LANDSCAPE PLAN |
| LDA-006 | EXTERNAL STORAGE AREA LANDSCAPE PLAN |
| LDA-007-01 | LANDSCAPE PLANTING DETAIL ENTRANCE |
| LDA-007-02 | LANDSCAPE PLANTING DETAIL NORTHERN BUFFER |
| LDA-007-02 | LANDSCAPE PLANTING DETAIL WESTERN BUFFER |
| LDA-007-03 | LANDSCAPE PLANTING DETAIL SOUTHERN BUFFER |
| LDA-008 | LANDSCAPE SECTIONS AA & FF |
| LDA-009 | LANDSCAPE SECTION CC |
| LDA-010 | LANDSCAPE SECTION DD |
| LDA-011 | LANDSCAPE SECTION BB & EE |
| LDA-012 | ENTRY STATEMENTS TYPICAL ELEVATION |
| LDA-013 | LANDSCAPE DETAILS |

FOR DEVELOPMENT APPLICATION

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Client

Charter Hall

Architect

[watch this] SPACE design

Project Manager

TACTICAL GROUP

Issue	Date	Description	Drawn	Checked
B	5.10.16	For Development Application	FH	BG
C	7.10.16	Railway planting added to Eastern Buffer	FH	BG
D	01.09.21	For Development Application	ML	RL
E	15.09.21	For Development Application	ML	RL
F	23.09.21	For Development Application	ML	RL
G	08.10.21	For Development Application	ML	RL
H	19.01.22	For Development Application	ML	RL
I	21.02.22	For Development Application	ML	RL

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Project


MINTO INDUSTRIAL DEVELOPMENT

Project Address


CULVERSTON ROAD, MINTO NSW

Date	Revision	Job Number	Drawing Number
21.02.2022	I	20160104	LDA-001
Scale			
1:1500 @ A1 (1:3000 @ A3)			
0 5 10 20m			
Drawing Name			
LANDSCAPE MASTERPLAN			


LEGEND




Proposed Canopy Tree Planting
(Refer to Indicative Plant Schedule)




Existing tree to be retained where reasonable,
practical and feasible, pending Arborist advice



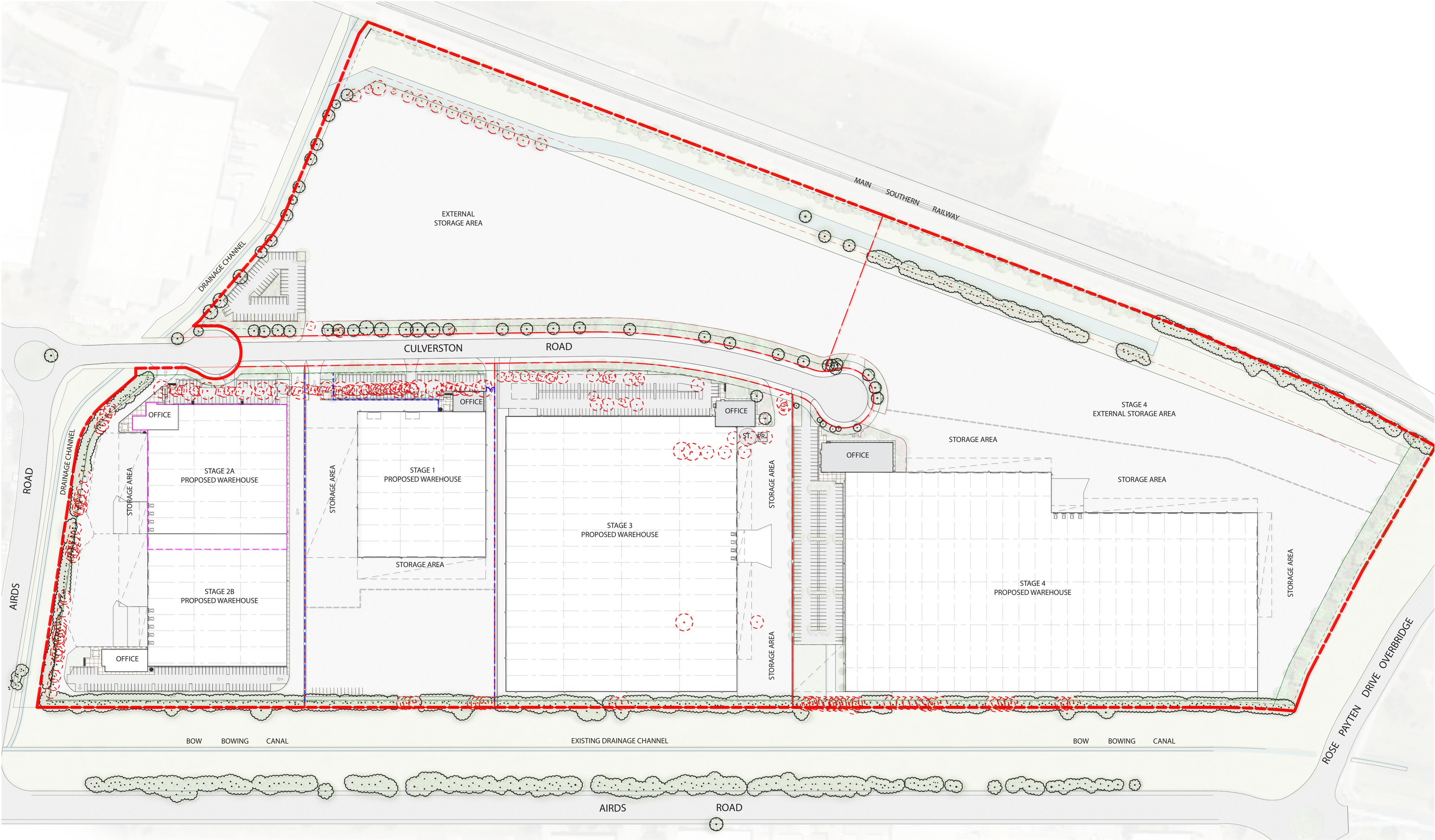
Existing tree identified for removal



Site Boundary




Building Set Back




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Client



Architect




Project Manager



Issue	Date	Description	Drawn	Checked
B	5.10.16	For Development Application	FH	BG
C	7.10.16	Railway planting added to Eastern Buffer	FH	BG
D	1.09.21	For Development Application	ML	RL
E	15.09.21	For Development Application	ML	RL
F	23.09.21	For Development Application	ML	RL
G	08.10.21	For Development Application	ML	RL
H	19.01.22	For Development Application	ML	RL
I	21.02.22	For Development Application	ML	RL

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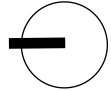
MINTO INDUSTRIAL DEVELOPMENT

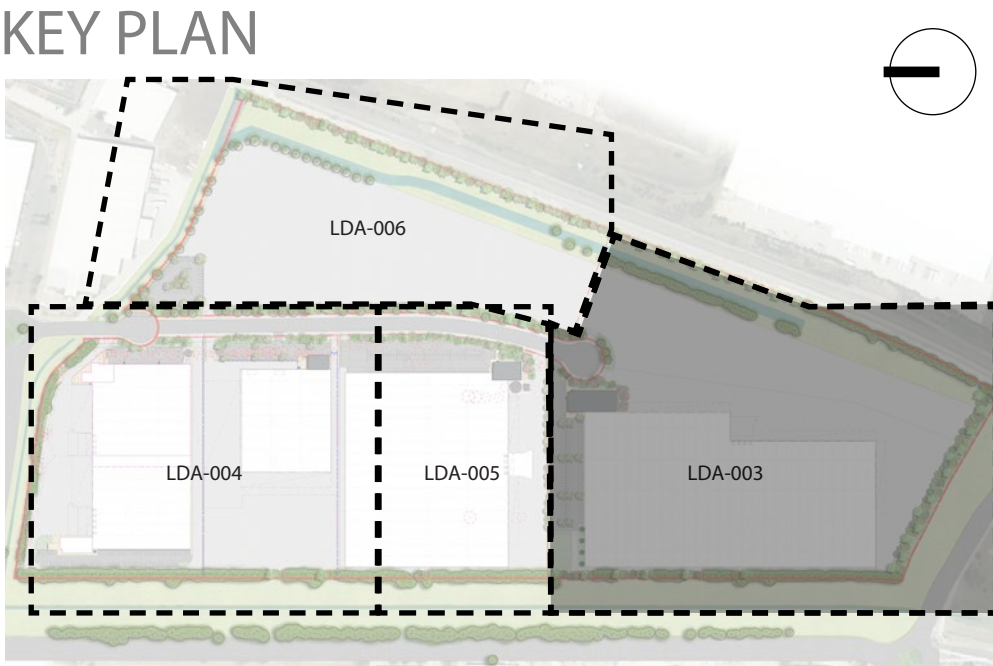
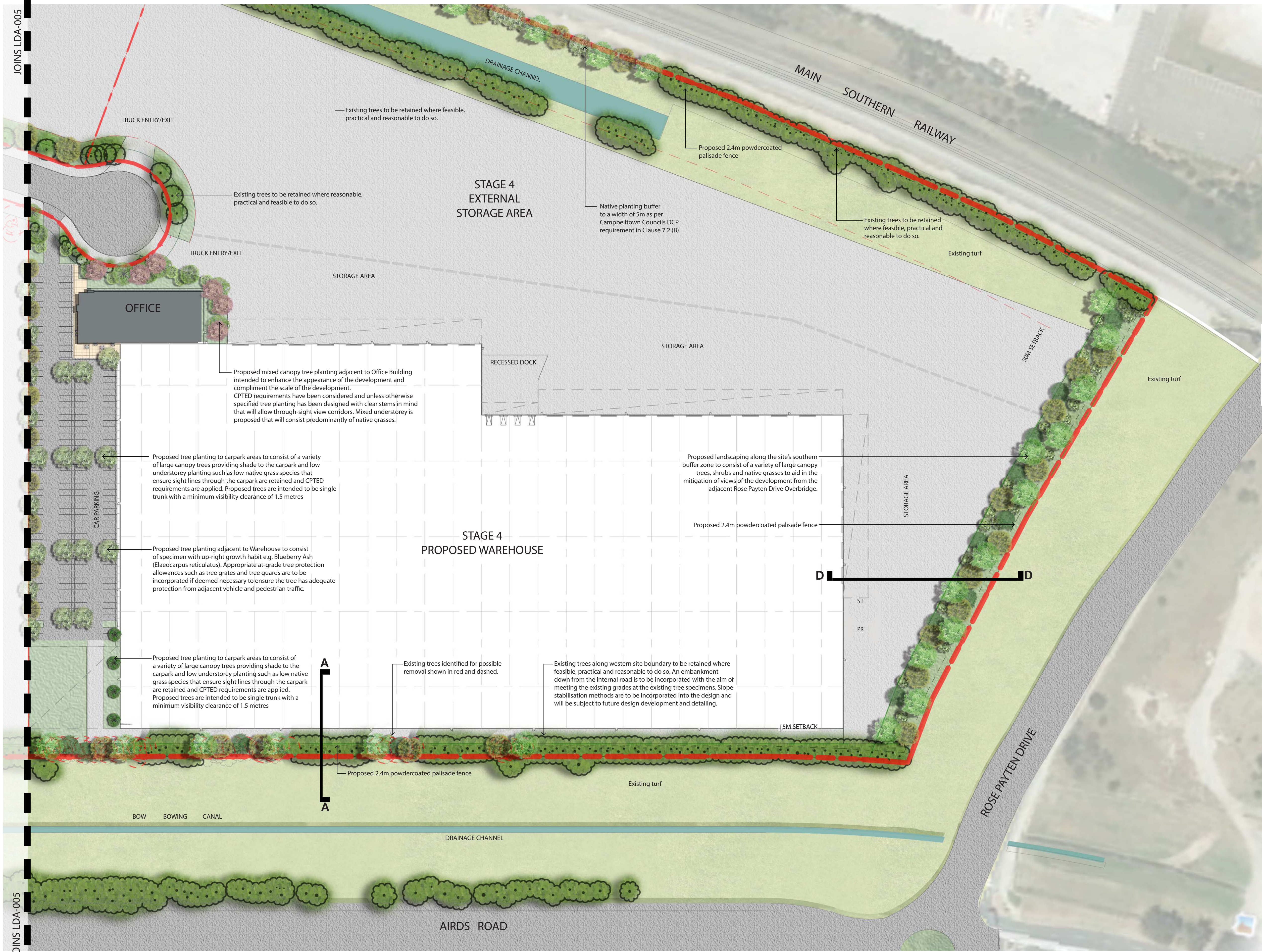
Project Address

CULVERSTON ROAD, MINTO NSW

Date	Revision	Job Number	Drawing Number
21.02.2022	I	20160104	LDA-002

Scale
1:1500 @ A1 (1:3000 @ A3)
0 5 10 20m
Drawing Name
TREE RETENTION PLAN

North




- 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
 - Areas of detailed Planting Plans

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Client

Charter Hall

Architect

[watch this **SPACE** design]

Project Manager

TACTICAL GROUP

Issue	Date	Description	Drawn	Checked
A	28.4.16	For Development Application	BH	RL
B	5.10.16	For Development Application	FH	BG
C	7.10.16	Railway planting added to Eastern Buffer	FH	BG
D	15.09.21	For Development Application	ML	RL
E	23.09.21	For Development Application	ML	RL
F	08.10.21	For Development Application	ML	RL
G	19.01.22	For Development Application	ML	RL
H	21.02.22	For Development Application	ML	RL

Landscape Architect

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Project

MINTO INDUSTRIAL DEVELOPMENT

Project Address

CULVERSTON ROAD, MINTO NSW

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
21.02.2022	H	20160104	LDA-003

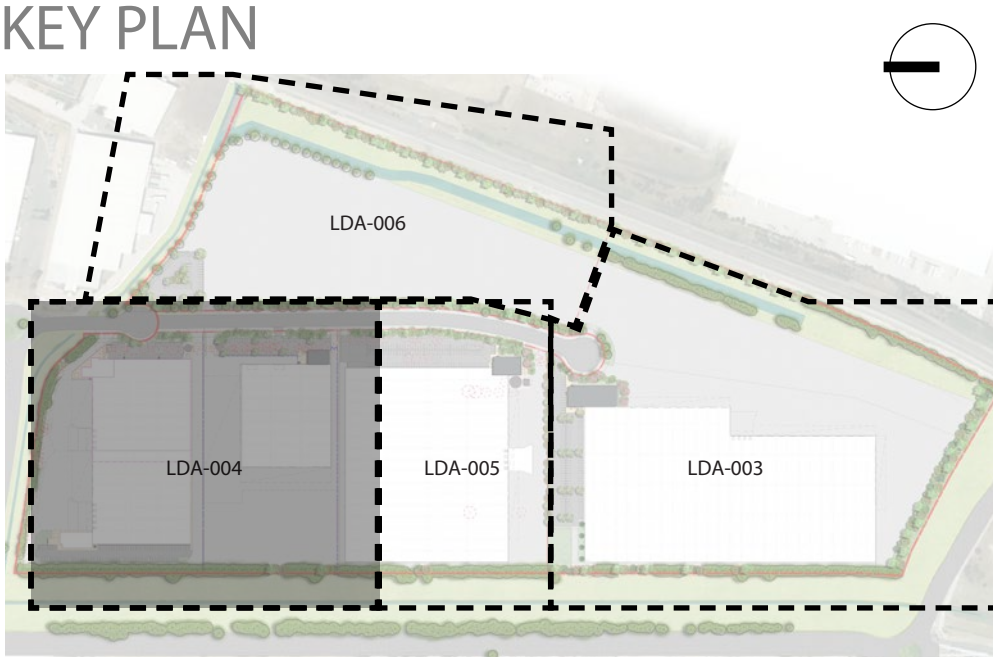
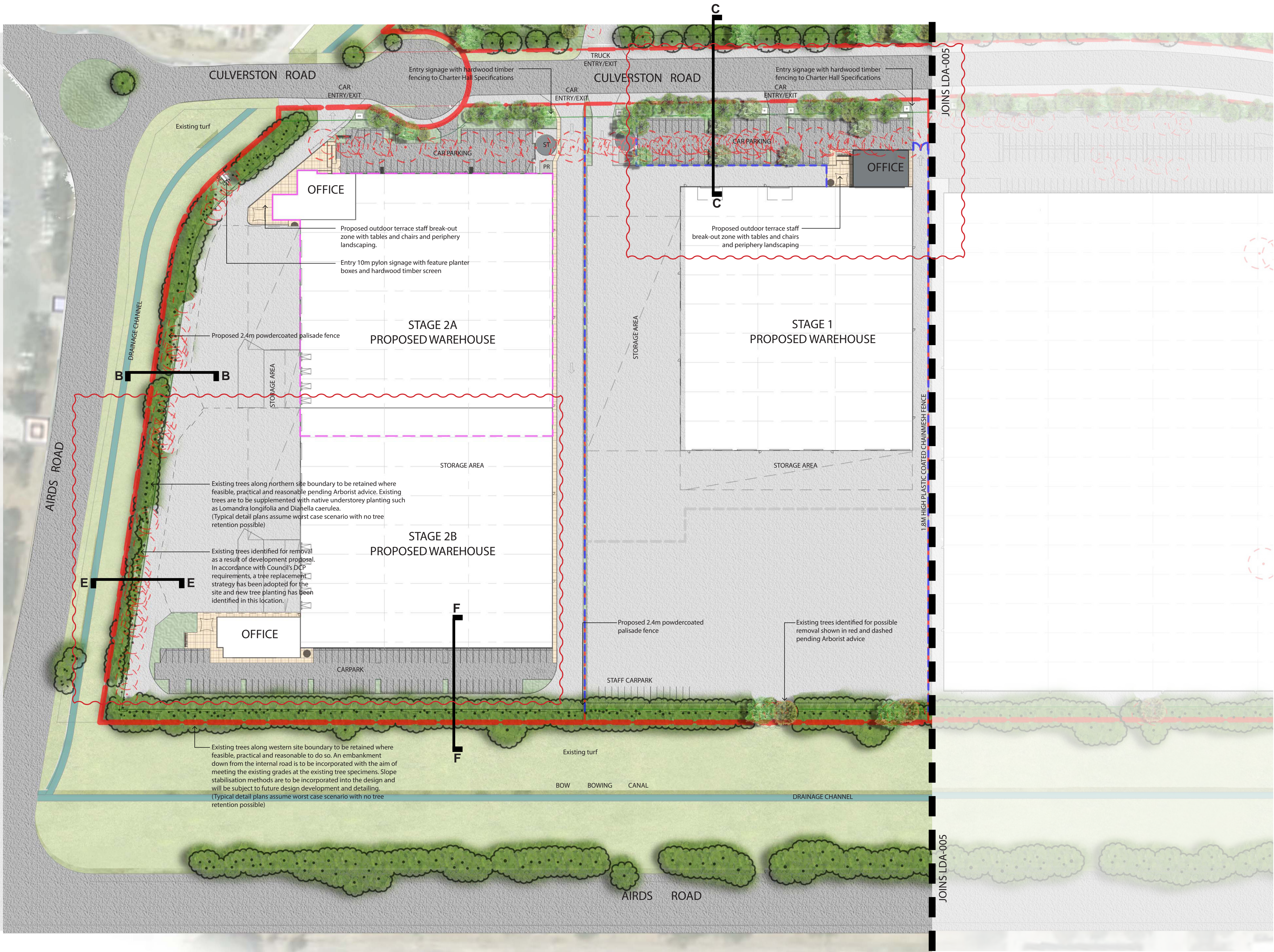
Scale

1:750 @ A1 (1:1500 @ A3)

0 5 10 20 30 40 50m

Drawing Name

STAGE 4 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
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 - Proposed Landscape Area
 - Existing Drainage Channel
 - Proposed Services
 - Areas of detailed Planting Plans

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Client
Charter Hall

Architect
[watch this SPACE design]

Project Manager
TACTICAL GROUP

Issue	Date	Description	Drawn	Checked
A	28.4.16	For Development Application	BH	RL
B	5.10.16	For Development Application	FH	BG
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F	08.10.21	For Development Application	ML	RL
G	19.01.22	For Development Application	ML	RL
H	21.02.22	For Development Application	ML	RL

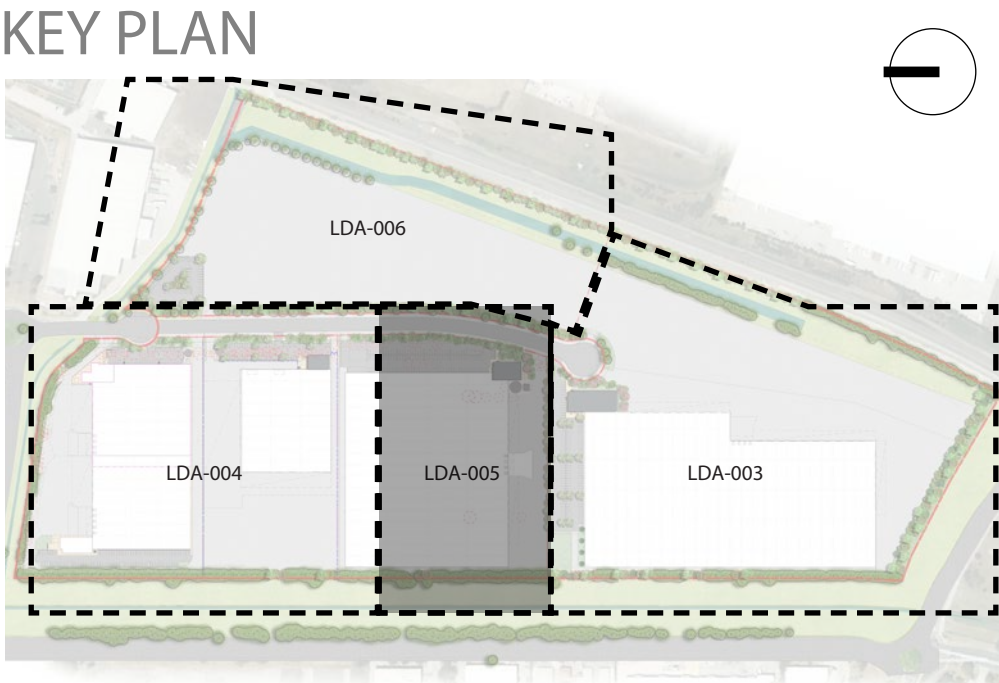
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MINTO INDUSTRIAL DEVELOPMENT

Project Address
CULVERSTON ROAD, MINTO NSW

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
21.02.2022	H	20160104	LDA-004
Scale 1:750 @ A1 (1:1500 @ A3) 0 5 10 20 30 40 50m Drawing Name STAGE 1 & 2 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
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 - Proposed Landscape Area
 - Existing Drainage Channel
 - Proposed Services
 - Areas of detailed Planting Plans

FOR DEVELOPMENT APPLICATION									
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				A	28.4.16	For Development Application	BH	RL	
				B	5.10.16	For Development Application	FH	BG	
				C	7.10.16	Railway planting added to Eastern Buffer	FH	BG	
				D	15.09.21	For Development Application	ML	RL	Project MINTO INDUSTRIAL DEVELOPMENT Project Address CULVERSTON ROAD, MINTO NSW
				E	23.09.21	For Development Application	ML	RL	
				F	08.10.21	For Development Application	ML	RL	
				G	19.01.22	For Development Application	ML	RL	
				H	21.02.22	For Development Application	ML	RL	Date 21.02.2022 Revision H Job Number 20160104 Drawing Number LDA-005 Scale 1:750 @ A1 (1:1500 @ A3) 0 5 10 20 30 40 50m Drawing Name STAGE 3 LANDSCAPE PLAN



KEY PLAN



LEGEND

- Proposed Canopy Tree Planting (Refer to Indicative Plant Schedule)
- Existing tree to be retained where reasonable, practical and feasible to do so
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- Site Boundary
- Building Set Back
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FOR DEVELOPMENT APPLICATION

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Client



Architect



Project Manager



Issue	Date	Description	Drawn	Checked
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Landscape Architect



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Project

MINTO INDUSTRIAL DEVELOPMENT

Project Address

CULVERSTON ROAD, MINTO NSW

Date	Revision	Job Number	Drawing Number
21.02.2022	H	20160104	LDA-006
Scale			
1:1000 @ A1 (1:2000 @ A3)			
0 5 10 20 30 40 50m			
Drawing Name			
EXTERNAL STORAGE AREA LANDSCAPE PLAN			

TYPICAL PLANTING SET OUT FOR ENTRANCE & CULVERSTON ROAD

KEY PLAN

NOTES:

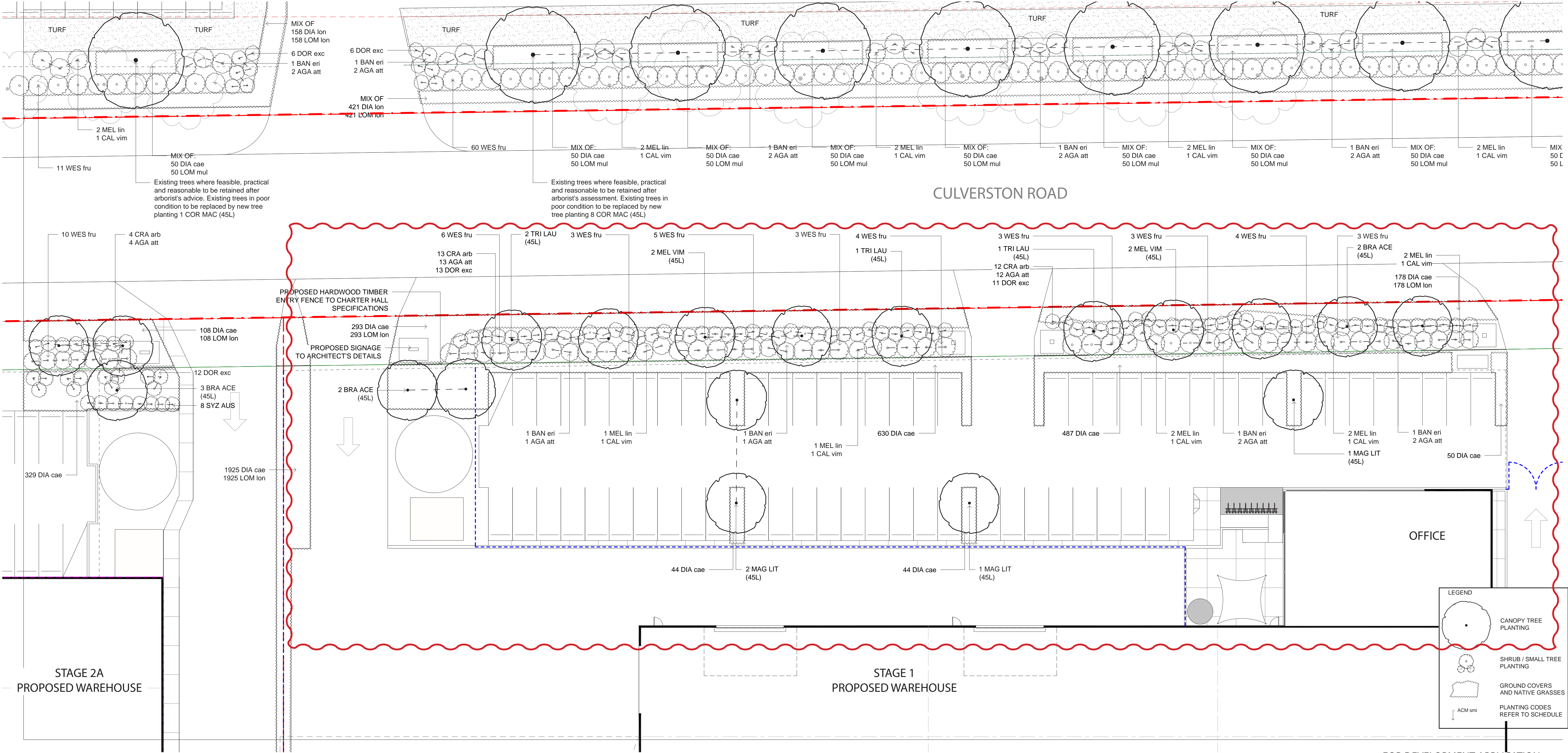
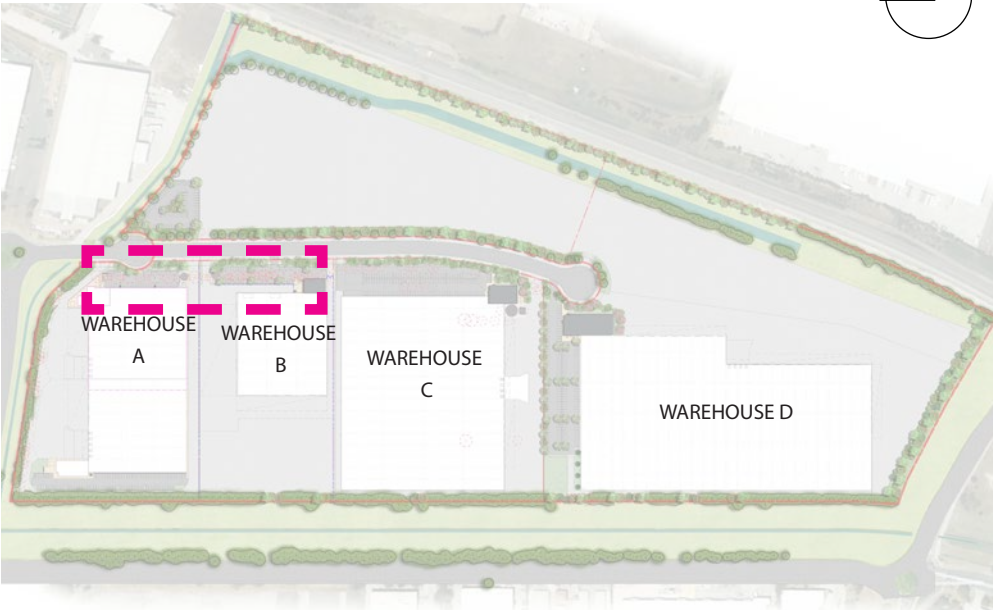
* QTY - These numbers represent total numbers in the typical planting detail below only

FINAL QUANTITIES OF ALL PLANTING TO BE DETERMINED AT CC STAGE, EXISTING TREES POSSIBLE FOR RETENTION TO BE IDENTIFIED BY QUALIFIED ARBORIST AND INCORPORATED INTO PLANTING SCHEME WHERE POSSIBLE

LANDSCAPE ENTRANCE PLANT SCHEDULE

NATIVE	BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD	INSTALL SIZE	PLANTING DENSITY	QTY*	ESTIMATED QTY*
Large Trees									
BRA ACE	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	✓	20m	10m	45L	AS SHOWN	7	22
COR MAC	<i>Corymbia maculata</i>	Spotted Gum	✓	22m	15m	45L	AS SHOWN	9	29
MAG LIT	<i>Magnolia 'Little Gem'</i>	Magnolia	✓	6m	4m	45L	AS SHOWN	4	13
MEL VIM	<i>Melaleuca viminalis</i>	Weeping Bottlebrush	✓	10m	6m	45L	AS SHOWN	4	13
TRI LAU	<i>Tristaniaopsis laurina</i>	Water Gum	✓	15m	6m	45L	AS SHOWN	4	13
Small Trees / Large Shrubs									
BAN eri	<i>Banksia ericifolia</i>	Heath Banksia	✓	5m	2m	200mm	AS SHOWN	8	29
Small & Medium Shrubs									

NATIVE	BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD	INSTALL SIZE	PLANTING DENSITY	QTY*	ESTIMATED QTY*
AGA att	<i>Agave attenuata</i>	Lion's Tail Agave	✓	1.5m	1m	200mm	AS SHOWN	45	144
CAL vim	<i>Callistemon 'Green John'</i>	Bottlebrush	✓	1m	1m	200mm	AS SHOWN	10	32
CRA arb	<i>Cassula arborescens</i>	Blue Bird	✓	1m	0.5m	200mm	AS SHOWN	29	93
DOR exc	<i>Doryanthes excelsa</i>	Gymea Lily	✓	2m	1.5m	200mm	AS SHOWN	48	154
MEL lin	<i>Melaleuca linifolia</i>	Claret Tops	✓	1.2m	1m	200mm	AS SHOWN	18	58
SYZ AUS	<i>Syzygium 'Baby Boomer'</i>	Lilly Pilly	✓	2m	1.2m	300mm	AS SHOWN	8	26
WES fru	<i>Westringia fruticosa</i>	Coastal rosemary	✓	2m	2m	200mm	AS SHOWN	115	368
Groundcovers & Grasses									
DIA cae	<i>Dianella caerulea</i>	Blue Flax-lily	✓	0.5m	0.5m	50mm Tube	5m2	4538	14522
DIA lon	<i>Dianella longifolia</i>	Smooth Flax Lily	✓	0.8m	0.8m	50mm Tube	5m2	579	1874
LOM lon	<i>Lomandra longifolia</i>	Spiny Head Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2	3083	9866
LOM mul	<i>Lomandra multiflora</i>	Many Flowered Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2	450	1456



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Client



Architect



Project Manager



Issue	Date	Description	Drawn	Checked
B	5.10.16	For Development Application	FH	BG
C	7.10.16	Railway planting added to Eastern Buffer	FH	RL
D	1.09.21	For Development Application	ML	RL
E	15.09.21	For Development Application	ML	RL
F	23.09.21	For Development Application	ML	RL
G	08.10.21	For Development Application	ML	RL
H	19.01.22	For Development Application	ML	RL
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Landscape Architect

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Project

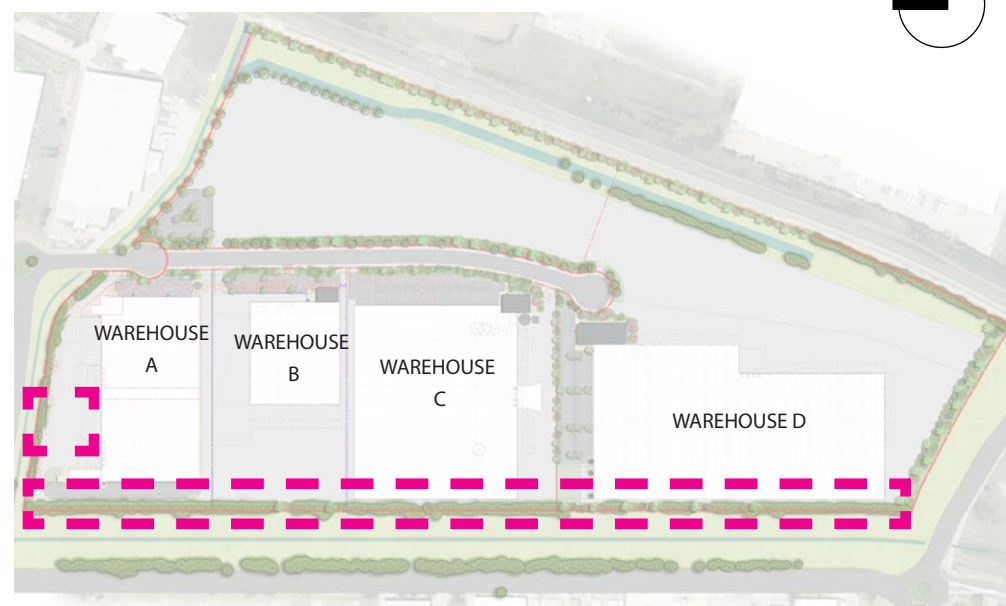
MINTO INDUSTRIAL DEVELOPMENT

Project Address

CULVERSTON ROAD, MINTO NSW

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
21.02.2022	I	20160104	LDA-007-01
Scale			
1:200 @ A1 (1:400 @ A3)			
Drawing Name			
LANDSCAPE ENTRANCE PLANTING DETAIL			



NOTES:

* QTY - These numbers represent total numbers in the typical planting detail above only

** Estimated QTY - These numbers represent total estimated plants for the entire northern buffer only. Numbers have been approximated based on quantities used in typical area. Planting near the building has not been included in the estimated calculation.

FINAL QUANTITIES OF ALL PLANTING TO BE DETERMINED AT CC STAGE, EXISTING TREES POSSIBLE FOR RETENTION TO BE IDENTIFIED BY QUALIFIED ARBORIST AND INCORPORATED INTO PLANTING SCHEME WHERE POSSIBLE

Area of typical planting setout for Northern Buffer: 896m²

Approximate total area of Northern Buffer : 2296m²

NORTHERN BUFFER PLANT SCHEDULE

NORTHERN END WESTERN BUFFER PLANT SCHEDULE

NATIVE	BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD	INSTALL SIZE	PLANTING DENSITY	QTY*	ESTIMATED QUANTITY**
Large Trees									
ANG Flos	<i>Angophora floribunda</i>	Rough Barked Apple	✓	25m	15m	45L	10m centres	2	2
COR GUM	<i>Corymbia gummifera</i>	Red Bloodwood	✓	15m	10m	45L	10m centres	1	1
COR MAC	<i>Corymbia maculata</i>	Spotted Gum	✓	22m	15m	45L	10m centres	2	2
EUM CAMP	<i>Eucalyptus camphylla</i>	Catbush Gum	✓	20m	10m	45L	10m centres	2	2
ELC SID	<i>Eucalyptus sideroxylon</i>	Mugga Ironbark	✓	25m	15m	45L	10m centres	2	2
Small Trees / Large Shrubs									
ACA dec	<i>Acacia decurva</i>	Black Wattle	✓	10m	2m	200mm	AS SHOWN	7	52
ACA flo	<i>Acacia floribunda</i>	White Wattle	✓	4m	3m	200mm	AS SHOWN	9	66
ACA smi	<i>Acacia smithii</i>	Lillypilly	✓	4m	3m	200mm	AS SHOWN	6	44
BAN rev	<i>Banksia revoluta</i>	Old Man Banksia	✓	4m	3m	200mm	AS SHOWN	5	27
CER gum	<i>Ceratopetalum gummiferum</i>	Christmas Bush	✓	4m	3m	200mm	AS SHOWN	3	22
DOD tri	<i>Dodonaea triquetra</i>	Common Hop Bush	✓	3m	1m	200mm	AS SHOWN	5	37
MEL lin	<i>Melaleuca linariifolia</i>	Shoebill in Summer	✓	8m	3m	200mm	AS SHOWN	4	30
MEL sty	<i>Melaleuca styliphloides</i>	Brushy Leaved Paper Bark	✓	15m	8m	200mm	AS SHOWN	3	22
SM ams	<i>Syzygium australe</i>	Pink Cherry	✓	8m	3m	200mm	AS SHOWN	4	30
Shrubs & Medium Shrubs									
DIA rev	<i>Dianella revoluta</i>	Blue Flax-lily	✓	0.8m	0.8m	200mm	AS SHOWN	15	111
ERI aus	<i>Enostemon australicus</i>	Pink Wax Flower	✓	2m	1.5m	200mm	AS SHOWN	14	103
IND aus	<i>Indigofera australis</i>	Native Indigo	✓	1.5m	1.5m	200mm	AS SHOWN	8	59
KUN amb	<i>Kunzea ambigua</i>	Tick Bush	✓	2m	2m	200mm	AS SHOWN	17	125
MEL thy	<i>Melaleuca myrtifolia</i>	Thyme Flower Myrtle	✓	1m	1m	200mm	AS SHOWN	17	125
Groundcovers & Grasses									
BAU spp	<i>Baumea</i> spp.	Square Twig Rush Bare	✓	0.3m	0.5m	50mm Tube	5m2	49	362
CAR spp	<i>Carex</i> spp.	Stand Seed Drooping	✓	0.5m	0.5m	50mm Tube	5m2	56	413
CLE ari	<i>Clematis aristata</i>	Old Mans Beard	✓	Creeper	1.5m	50mm Tube	3m2	22	162
DIC rep	<i>Dichondra repens</i>	Kidney Weed	✓	Creeper	1m	50mm Tube	3m2	19	140
DIA cre	<i>Dianella cretensis</i>	Blue Flax-lily	✓	0.5m	0.5m	50mm Tube	5m2	90	654
DIA lan	<i>Dianella lanifolia</i>	Smooth Flax-lily	✓	0.8m	0.8m	50mm Tube	5m2	81	598
HAR wo	<i>Hardenbergia violacea</i>	False Sarsaparilla	✓	Creeper	2m	50mm Tube	3m2	19	140
LOM fil	<i>Lomandra filiformis</i>	Wattle Mat-rush	✓	0.3m	0.5m	50mm Tube	5m2	90	664
LOM lon	<i>Lomandra longifolia</i>	Spriny Head Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2	80	590
LOM mul	<i>Lomandra multiflora</i>	Many Flowered Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2	53	391
PAN pan	<i>Pandanus pandanus</i>	Kingia Pandanus Vine	✓	Creeper	2m	50mm Tube	3m2	19	140
VIO hed	<i>Viola hederacea</i>	Native Violet	✓	Creeper	2m	50mm Tube	3m2	22	162
ACA the	<i>Themeda australis</i>	Kangaroo Grass	✓	1m	0.5m	50mm Tube	5m2	56	413

NOTES:

* QTY - These numbers represent total numbers in the typical planting detail above only

** Estimated QTY - These numbers represent total estimated plants for the entire western buffer only. Numbers have been approximated based on quantities used in typical area

FINAL QUANTITIES OF ALL PLANTING TO BE DETERMINED AT CC STAGE, EXISTING TREES POSSIBLE FOR RETENTION TO BE IDENTIFIED BY QUALIFIED ARBORIST AND INCORPORATED INTO PLANTING SCHEME WHERE POSSIBLE

Area of typical planting setout for Western Buffer: 594m²

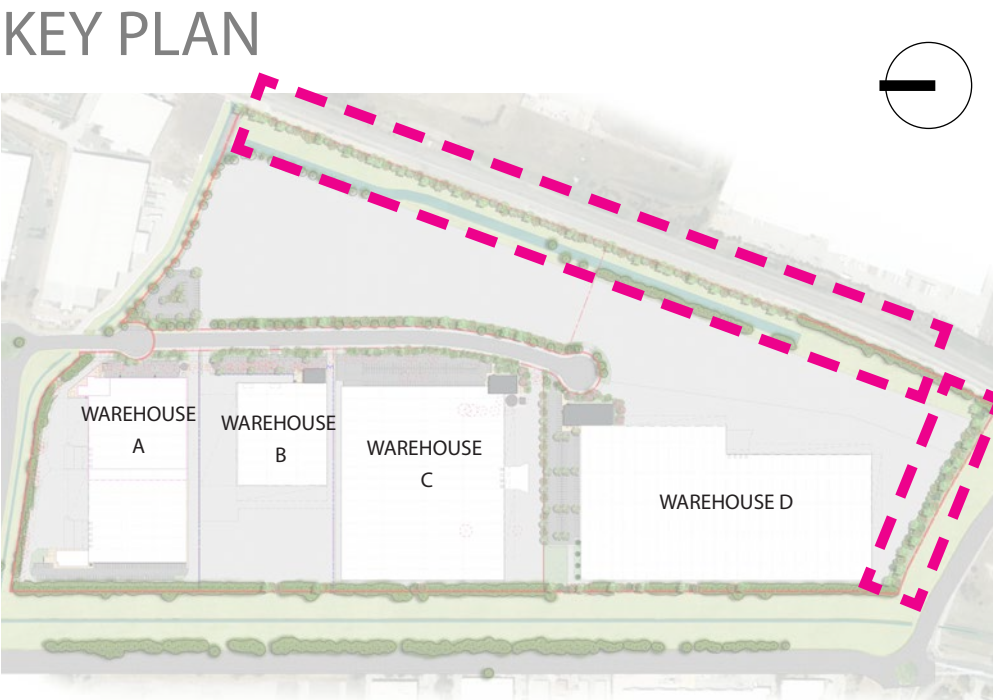
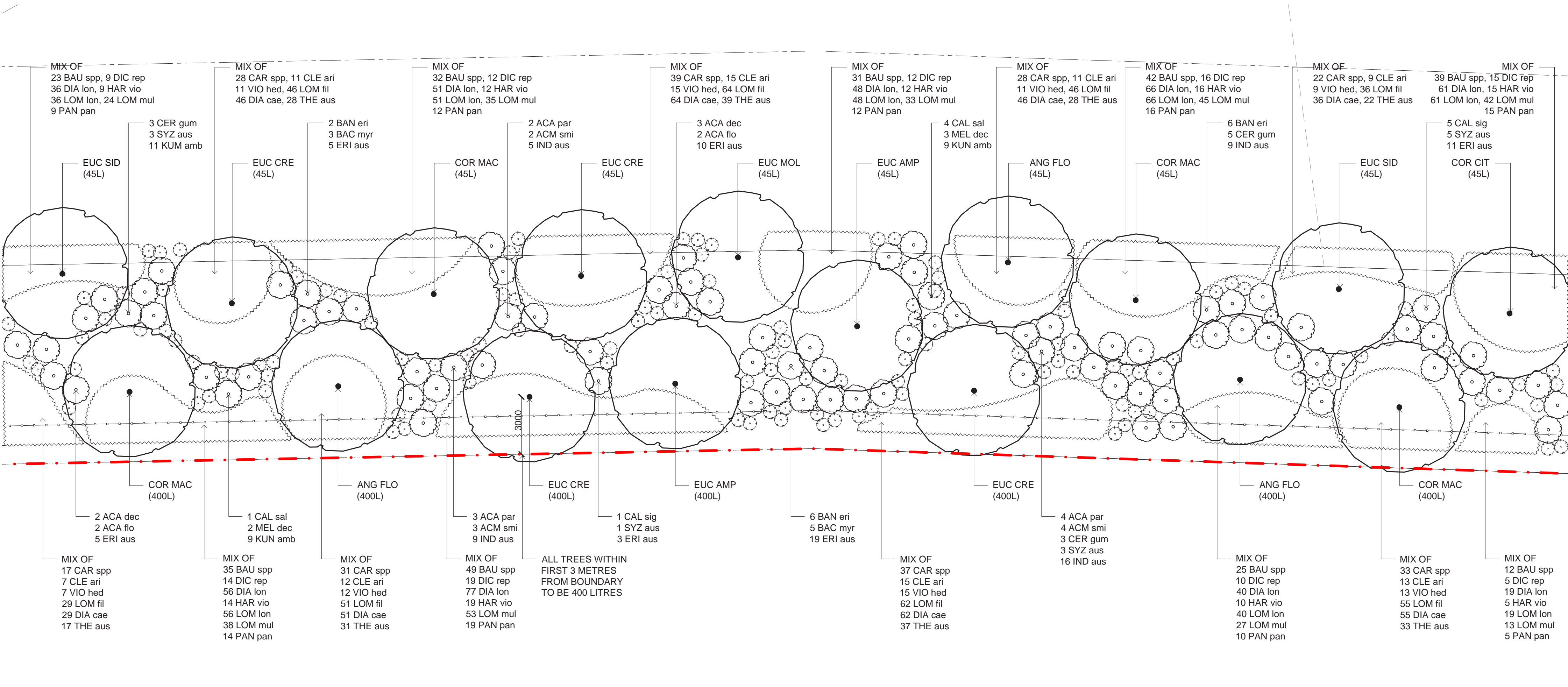
Approximate total area of Western Buffer : 4389m²

NOTE: This typical planting set out will also be adopted in the 5m wide landscape buffer adjacent to the Eastern Main Southern Railway Corridor

Approximate total area of Eastern Buffer 4017m²

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I	21.02.22	For Development Application	ML	RL																																															
<p>Charter Hall</p>	<p>[watch this SPACE design]</p>	<p>TACTICAL GROUP</p>	<div><div>Project Manager</div><div><div>GROUND INK</div><div>LANDSCAPE ARCHITECTS</div><div>ABN 55 163 025 45 ACN 163 025 456</div><div>Suite 201, 75 Archer St, Chatswood NSW 2067 Ph (02) 9872 5004 www.groundink.com.au</div></div></div>																																																

TYPICAL PLANTING SET OUT FOR SOUTHERN BUFFER



SOUTHERN BUFFER PLANT SCHEDULE

NATIVE	BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD	INSTALL SIZE	PLANTING DENSITY	QTY*	ESTIMATED QUANTITY**
Large Trees									
ANG FLO	Angophora floribunda	Rough Barked Apple	✓	25m	15m	400 / 45L	10m centres	3	5
COR CIT	Corymbia citriodora	Lemon Scented Gum	✓	30m	15m	400 / 45L	10m centres	1	2
COR MAC	Corymbia maculata	Spotted Gum	✓	30m	15m	400 / 45L	10m centres	4	7
EUC AMP	Eucalyptus amplifolia	Cabbage Gum	✓	20m	10m	400 / 45L	10m centres	2	4
EUC CRE	Eucalyptus crebra	Ironbark	✓	35m	15m	400 / 45L	10m centres	4	7
EUC MOL	Eucalyptus moluccana	Grey Box	✓	20m	15m	400 / 45L	10m centres	1	2
EUC SID	Eucalyptus sideroxylon	Mugga Ironbark	✓	25m	15m	400 / 45L	10m centres	2	4
Small Trees / Large Shrubs									
ACA dec	Acacia decurrens	Black Wattle	✓	10m	2m	75mm	AS SHOWN	5	9
ACA flo	Acacia floribunda	Sally Wattle	✓	4m	3m	75mm	AS SHOWN	4	7
ACA par	Acacia parramattensis	Sydney GreenWattle	✓	8m	4m	75mm	AS SHOWN	9	16
ACM smi	Acmena smithii	Lillypilly	✓	4m	3m	75mm	AS SHOWN	9	16
BAC myr	Baccharis myrtilifolia	Grey Myrtle	✓	4m	3m	75mm	AS SHOWN	8	14
BAN eri	Banksia ericifolia	Heath Banksia	✓	5m	2m	75mm	AS SHOWN	14	25
CAL sal	Callistemon salignus	Willow Bottlebrush	✓	4m	2m	75mm	AS SHOWN	5	9
CER gum	Ceratopetalum gummiferum	Christmas Bush	✓	4m	3m	75mm	AS SHOWN	11	19
MEL dec	Melaleuca decora	Honey Myrtle	✓	7m	2m	75mm	AS SHOWN	5	9
SYZ aus	Syzygium australe	Brush Cherry	✓	8m	3m	75mm	AS SHOWN	12	21
Small & Medium Shrubs									
ERI aus	Eriostemon australasius	Pink Wax Flower	✓	2m	1.5m	75mm	AS SHOWN	53	94
IND aus	Indigofera australis	Native Indigo	✓	1.5m	1.5m	75mm	AS SHOWN	39	69
KUN amb	Kunzea ambigua	Tick Bush	✓	2m	2m	75mm	AS SHOWN	18	32
Groundcovers & Grasses									
BAU spp	Baumea SPP	Square Twig Rush	✓	0.3m	0.5m	50mm Tube	5m2	288	510
CAR spp	Carrex SPP	Strand Sedge	✓	0.5m	0.5m	50mm Tube	5m2	235	416
CLE ari	Clematis aristata	Old Mans Beard	✓	Creeper	1.5m	50mm Tube	3m2	93	165
DIC rep	Dichondra repens	Kidney Weed	✓	Creeper	1m	50mm Tube	3m2	112	198
DIA cae	Dianella caerulea	Blue Flax-lily	✓	0.5m	0.5m	50mm Tube	5m2	389	689
DIA lon	Dianella longifolia	Smooth Flax Lilly	✓	0.8m	0.8m	50mm Tube	5m2	454	804
HAR vio	Hardenbergia violacea	False Sarsaparilla	✓	Creeper	2m	50mm Tube	3m2	112	198
LOM fil	Lomandra filiformis	Wattle Mat-rush	✓	0.3m	0.5m	50mm Tube	5m2	389	689
LOM lon	Lomandra longifolia	Spiny Head Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2	377	667
LOM mul	Lomandra multiflora	Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2	310	549
PAN pan	Pandorea Pandorana	Wonga Wonga Vine	✓	Creeper	5m	50mm Tube	3m2	112	198
VIO hed	Viola Hederacea	Native Violet	✓	Creeper	2m	50mm Tube	3m2	93	165

NOTES:

* QTY - These numbers represent total numbers in the typical planting detail above only

** Estimated QTY - These numbers represent total estimated plants for the entire southern buffer only. Numbers have been approximated based on quantities used in typical area

FINAL QUANTITIES OF ALL PLANTING TO BE DETERMINED AT CC STAGE, EXISTING TREES POSSIBLE FOR RETENTION TO BE IDENTIFIED BY QUALIFIED ARBORIST AND INCORPORATED INTO PLANTING SCHEME WHERE POSSIBLE

Area of typical planting setout for Southern Buffer: 1775m2

Approximate total area of Southern Buffer : 3155m2

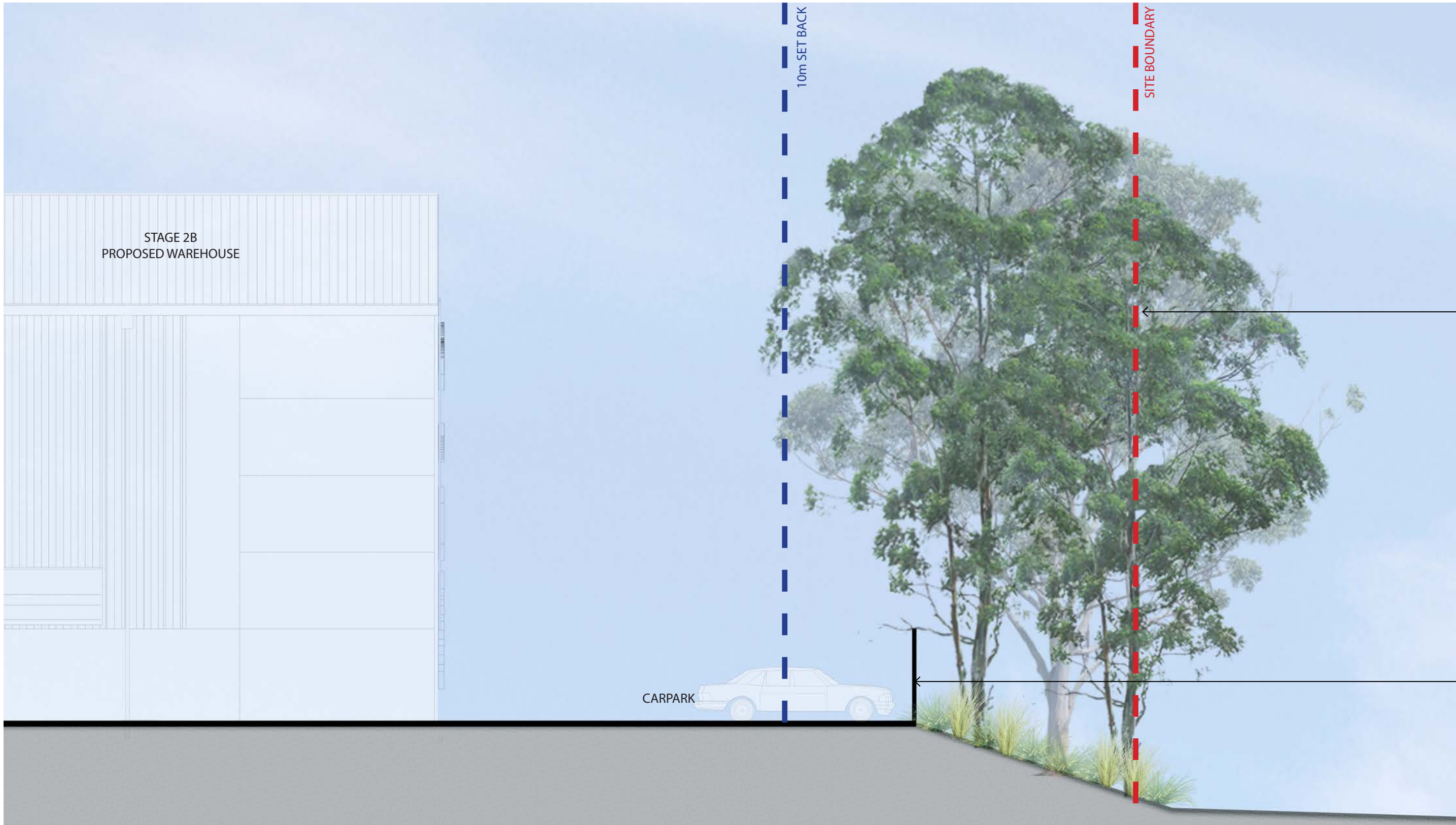
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				B	5.10.16	For Development Application	FH	BG				21.02.2022	I	20160104	LDA-007-03
Charter Hall	[watch this SPACE design]	TACTICAL GROUP		C	7.10.16	Railway planting added to Eastern Buffer	ML	RL	GROUND INK LANDSCAPE ARCHITECTS ABN 55 163 025 45 ACN 163 025 456 Suite 201, 75 Archer St, Chatswood NSW 2067 Ph (02) 9872 5004 www.groundink.com.au	MINTO INDUSTRIAL DEVELOPMENT	CULVERSTON ROAD, MINTO NSW	Scale			
				D	1.09.21	For Development Application	ML	RL				1:200 @ A1 (1:400 @ A3)			
				E	15.09.21	For Development Application	ML	RL				0 5 10 15m			
				F	23.09.21	For Development Application	ML	RL				Drawing Name			
				G	08.10.21	For Development Application	ML	RL				LANDSCAPE PLANTING DETAIL			
				H	19.01.22	For Development Application	ML	RL				SOUTHERN BUFFER			
				I	21.02.22	For Development Application	ML	RL							



WESTERN BOUNDARY SOUTH LANDSCAPE SECTION
SECTION AA

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

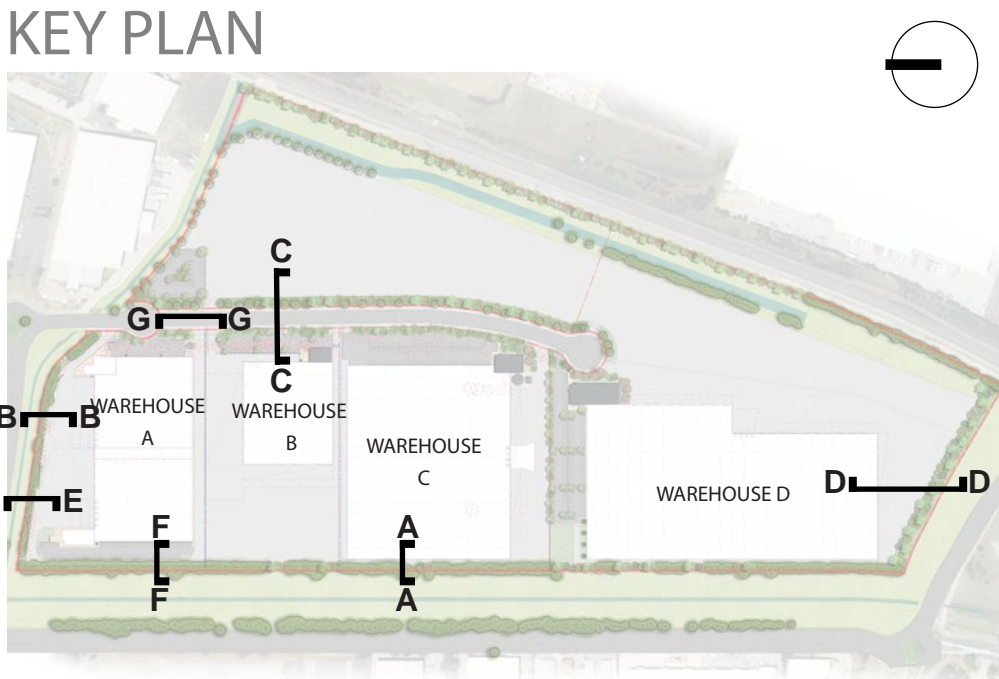
0 1 2 3 4 5 6 7 8 9 10M






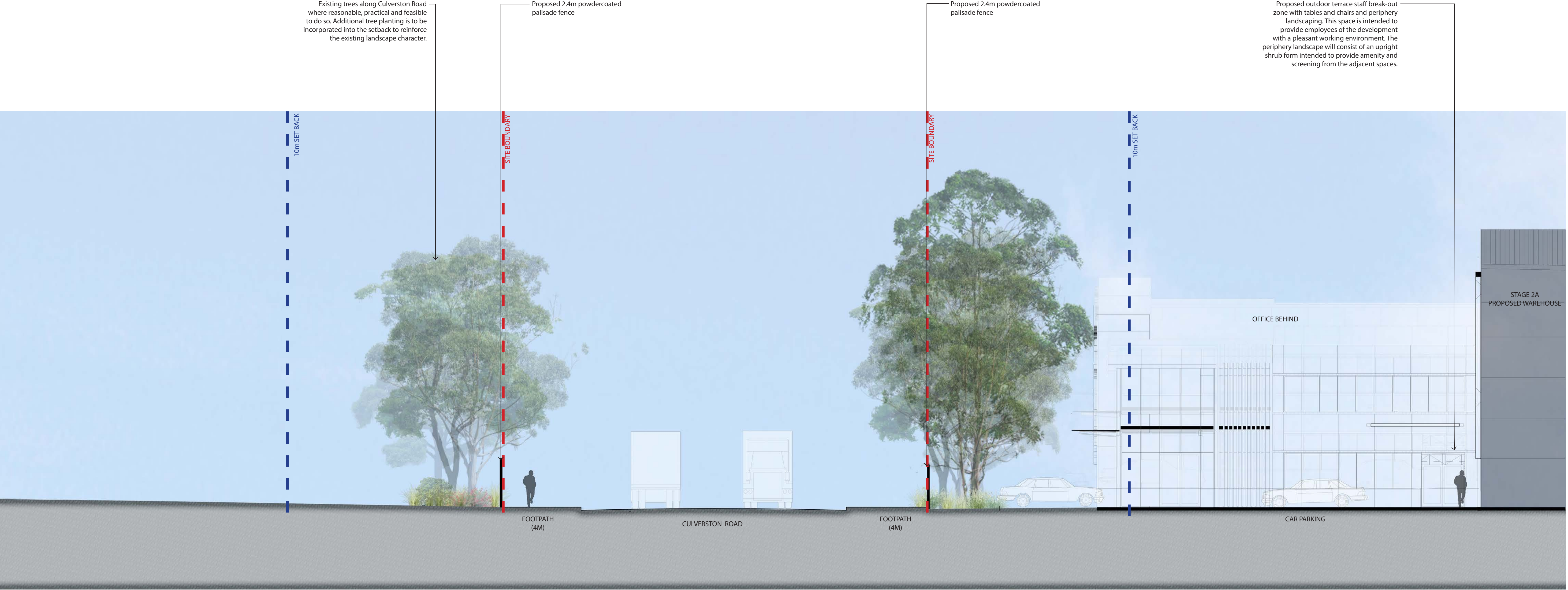
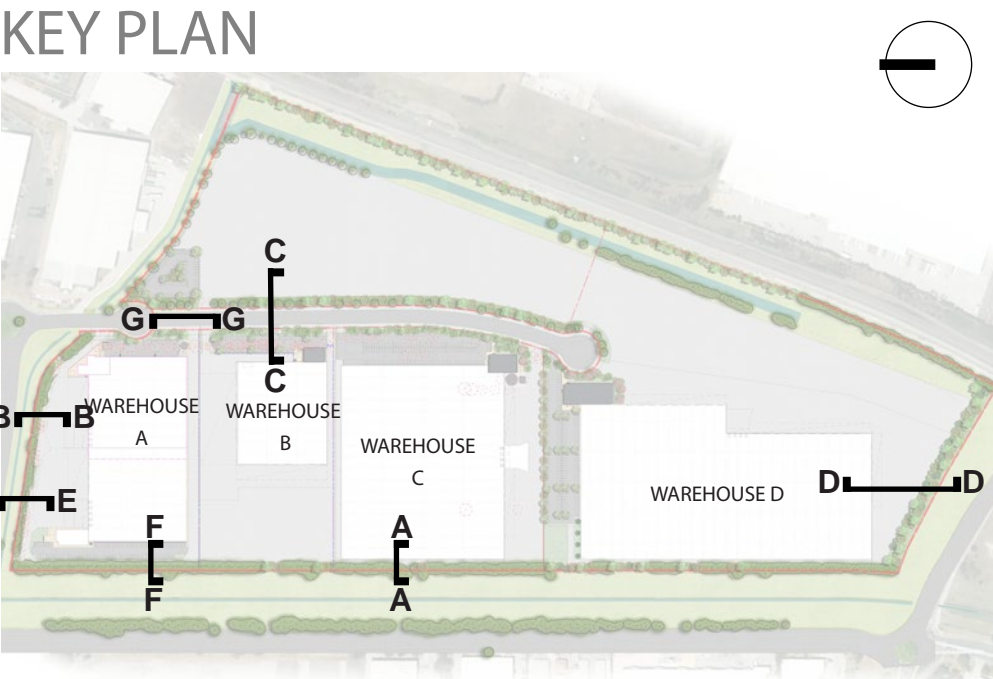
WESTERN BOUNDARY NORTH 4M SCREEN LANDSCAPE SECTION
SECTION FF

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

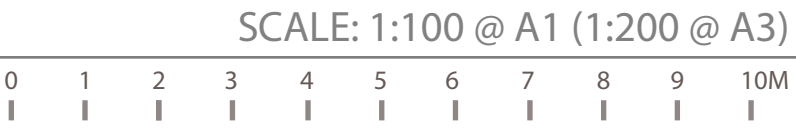
0 1 2 3 4 5 6 7 8 9 10M



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					A	28.4.16	For Development Application	BH	RL			 LANDSCAPE ARCHITECTS ABN 55 163 025 456 ACN 163 025 456 Suite 201, 75 Archer St, Chatswood NSW 2067 Ph (02) 9872 5004 www.groundink.com.au	MINTO INDUSTRIAL DEVELOPMENT	21.02.2022	H	20160104	LDA-008
					B	5.10.16	For Development Application	FH	BG					Scale	North		
					C	7.10.16	Railway planting added to Eastern Buffer	FH	BG					1:100 @ A1 (1:200 @ A3)			
					D	15.09.21	For Development Application	ML	RL					0 1 2 3 4 5m			
					E	23.09.21	For Development Application	ML	RL								
					F	08.10.21	For Development Application	ML	RL								
					G	19.01.22	For Development Application	ML	RL								
					H	21.02.22	For Development Application	ML	RL								
															Project Address	CULVERSTON ROAD, MINTO NSW	
										Drawing Name							
										LANDSCAPE SECTIONS AA & FF							



CULVERSTON ROAD LANDSCAPE SECTION
SECTION CC



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Client

Charter Hall

Architect

[watch this **SPACE** design]

Project Manager

TACTICAL
GROUP

Issue	Date	Description	Drawn	Checked
A	28.4.16	For Development Application	BH	RL
B	5.10.16	For Development Application	FH	BG
C	7.10.16	Railway planting added to Eastern Buffer	FH	BG
D	15.09.21	For Development Application	ML	RL
E	23.09.21	For Development Application	ML	RL
F	08.10.21	For Development Application	ML	RL
G	19.01.22	For Development Application	ML	RL
H	21.02.22	For Development Application	ML	RL

Landscape Architect

GROUND INK
LANDSCAPE ARCHITECTS

ABN 55 163 025 45 ACN 163 025 456
Suite 201, 75 Archer St, Chatswood NSW 2067
Ph (02) 9872 5004 www.groundink.com.au

Project

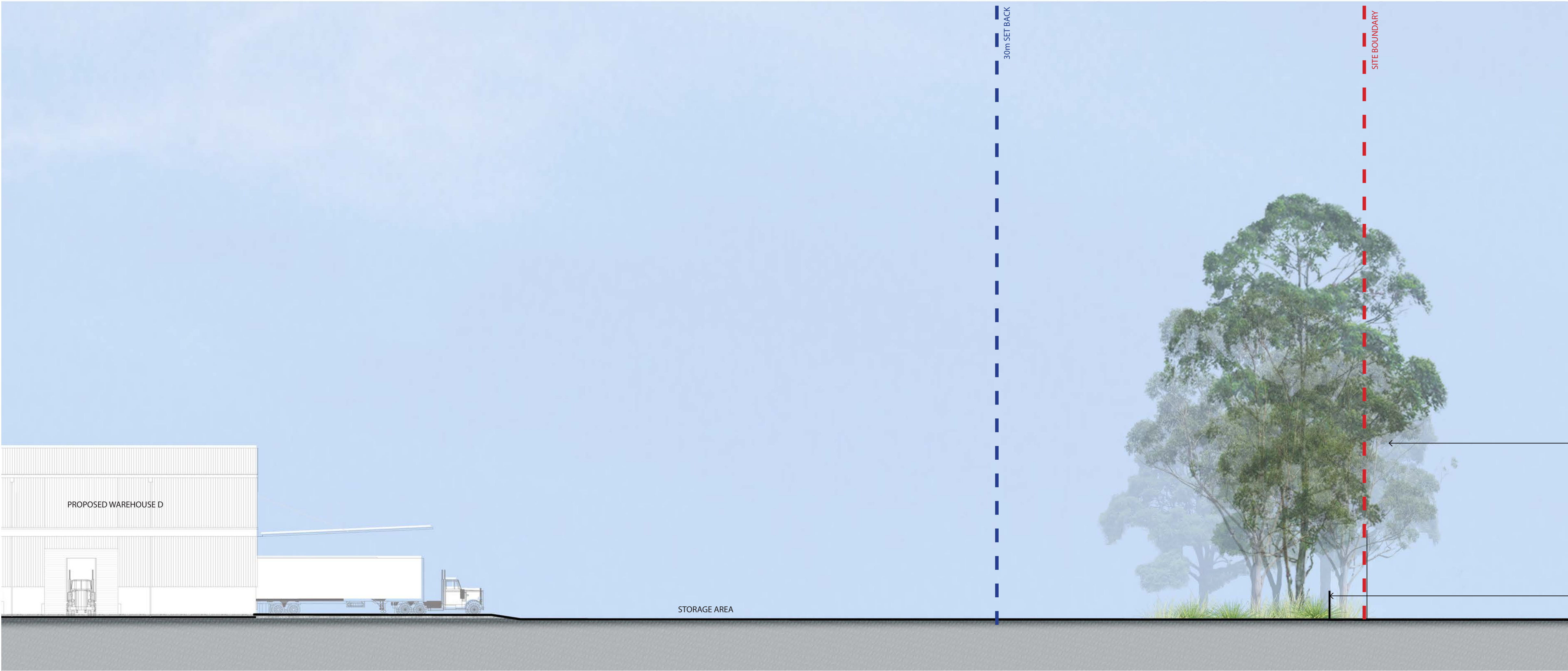
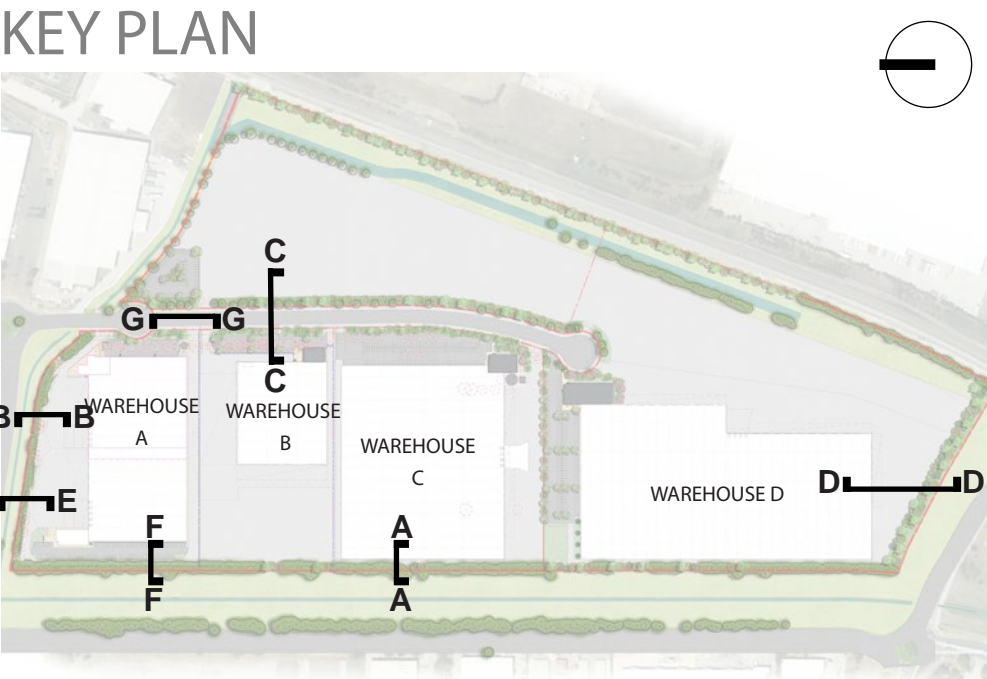
MINTO INDUSTRIAL DEVELOPMENT

Project Address

CULVERSTON ROAD, MINTO NSW

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
21.02.2022	H	20160104	LDA-009
Scale			
1:100 @ A1 (1:200 @ A3)			
0 1 2 3 4 5m			
Drawing Name			
LANDSCAPE SECTION CC			



SOUTHERN BOUNDARY LANDSCAPE SECTION
SECTION DD

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

0 1 2 3 4 5 6 7 8 9 10M

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

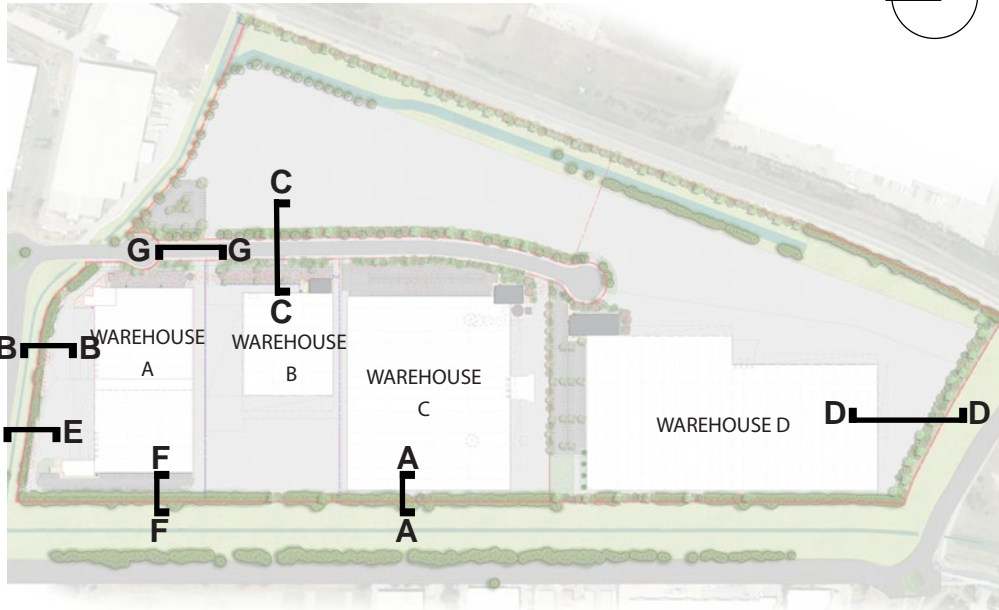
FOR DEVELOPMENT APPLICATION

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				B	5.10.16	For Development Application	FH	BG			North			
				C	7.10.16	Railway planting added to Eastern Buffer	FH	BG			Scale			
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				E	23.09.21	For Development Application	ML	RL			0 1 2 3 4 5m			
				F	08.10.21	For Development Application	ML	RL			Drawing Name			
				G	19.01.22	For Development Application	ML	RL			LANDSCAPE SECTION DD			
				H	21.02.22	For Development Application	ML	RL						



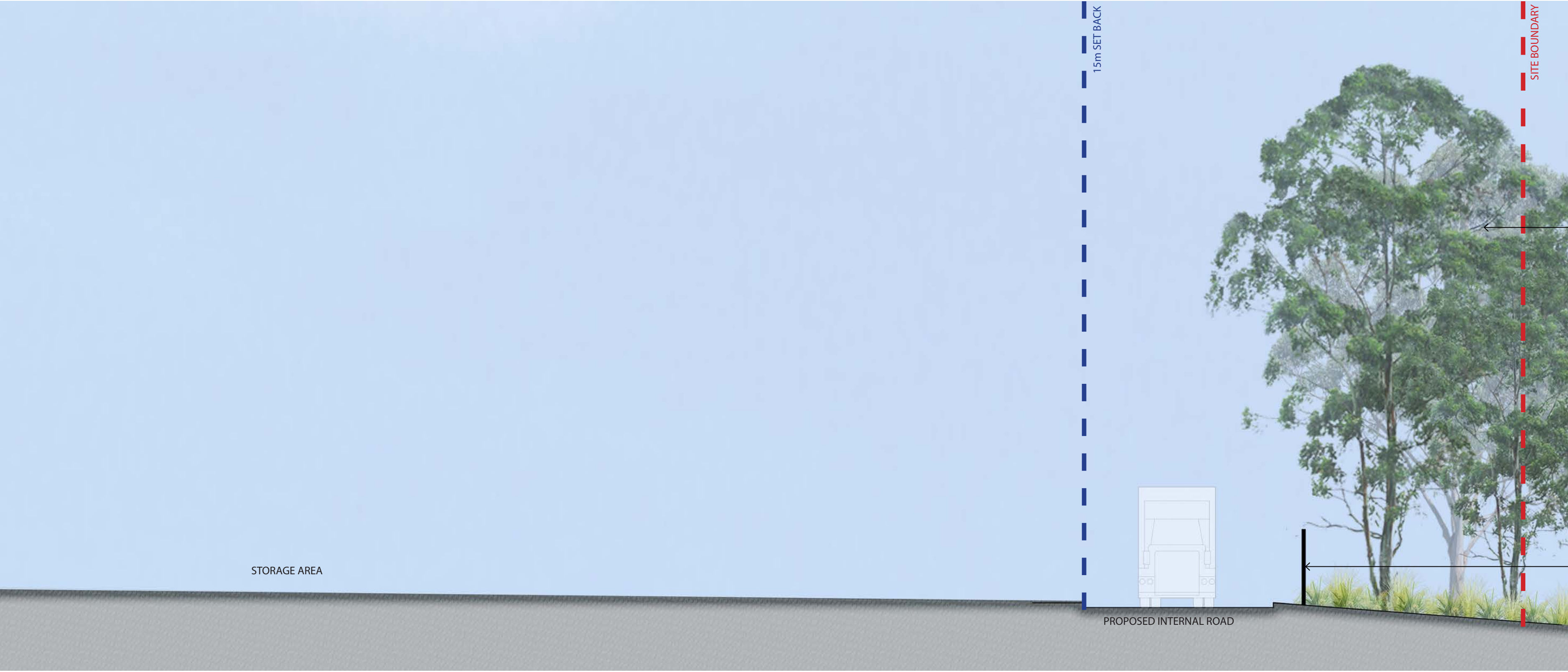
NORTHERN EAST BOUNDARY LANDSCAPE SECTION
SECTION BB

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



Existing trees along northern site boundary to be retained where feasible, practical and reasonable to do so. Canopy trees, shrubs and groundcovers to be incorporated

Proposed 2.4m powdercoated palisade fence



NORTHERN BOUNDARY WEST 4M SCREEN LANDSCAPE SECTION
SECTION EE

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

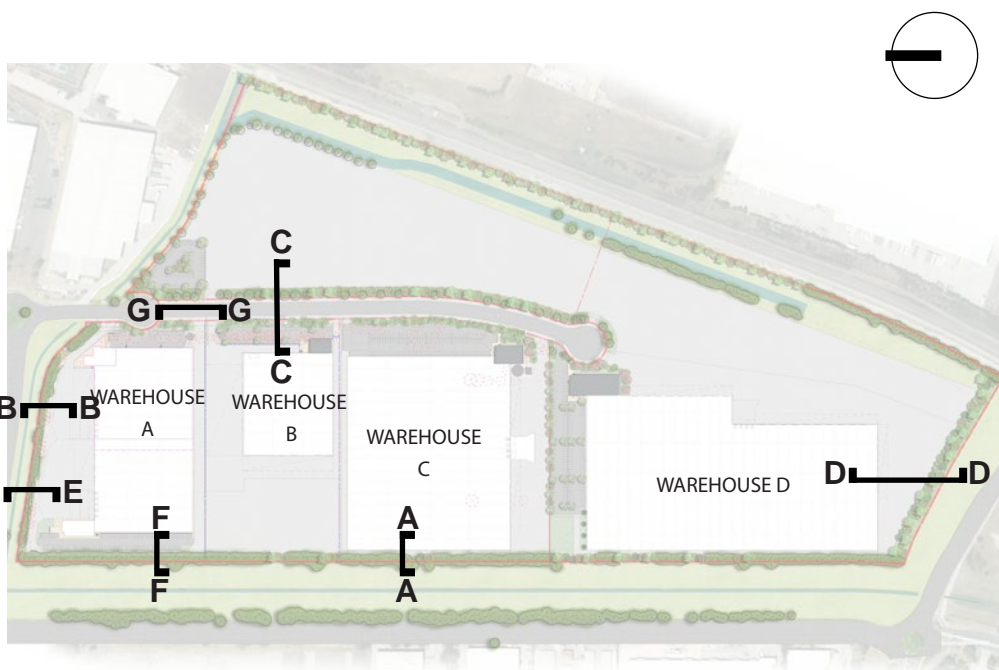


Existing trees along northern site boundary to be retained where feasible, practical and reasonable to do so. Canopy trees, shrubs and groundcovers to be incorporated

Proposed 2.4m powdercoated palisade fence to screen storage area

FOR DEVELOPMENT APPLICATION

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				D	15.09.21	For Development Application	ML	RL			LANDSCAPE SECTION BB & EE			
				E	23.09.21	For Development Application	ML	RL						
				F	08.10.21	For Development Application	ML	RL						
				G	19.01.22	For Development Application	ML	RL						
				H	21.02.22	For Development Application	ML	RL						



ENTRY STATEMENT
ELEVATION GG

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

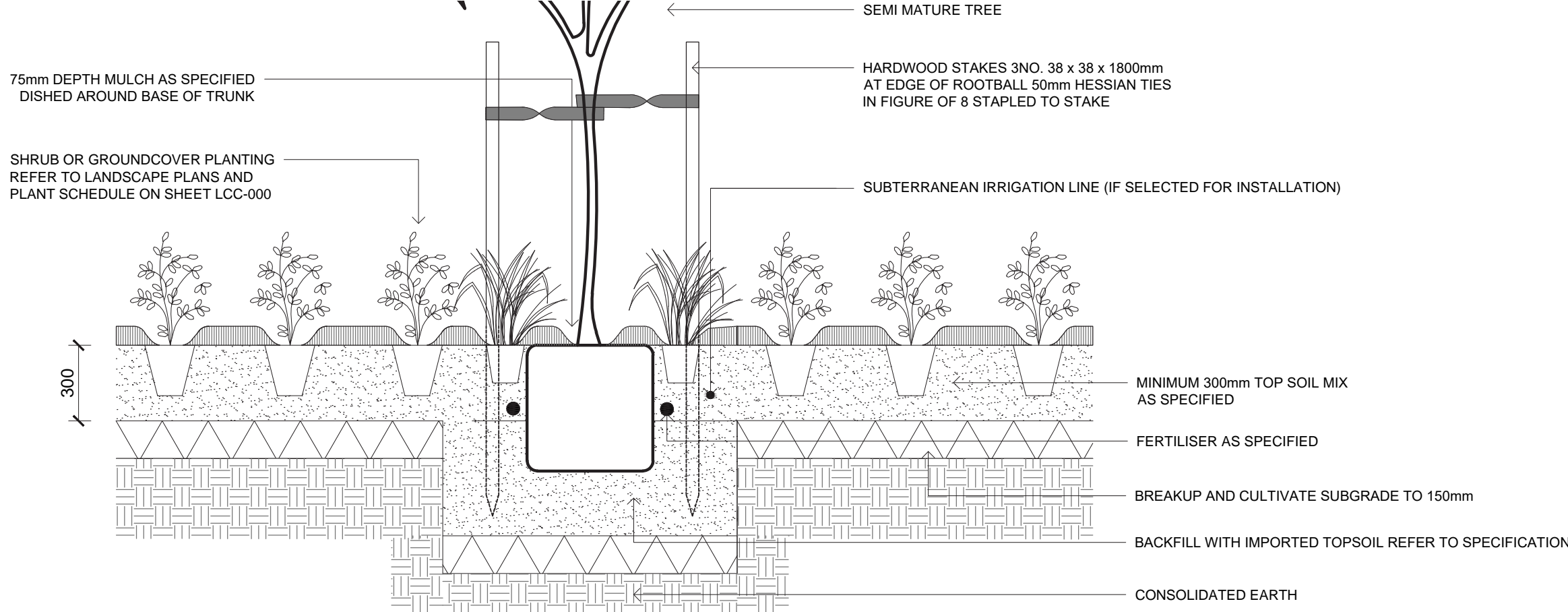


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				D	15.09.21	For Development Application	ML	RL			ENTRY STATEMENTS TYPICAL ELEVATION			
				E	23.09.21	For Development Application	ML	RL						
				F	08.10.21	For Development Application	ML	RL						
				G	19.01.22	For Development Application	ML	RL						
				H	21.02.22	For Development Application	ML	RL						

MASTER PLANTING LIST

NATIVE	BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD	INSTALL SIZE	PLANTING DENSITY
Large Trees							
ALO LIT	<i>Allocauarina littoralis</i>	Black She Oak	✓	12m	5m	400/ 45L	10m ctrs/ as shown
ANG COS	<i>Angophora costata</i>	Smooth Barked Apple	✓	25m	15m	400/ 45L	10m ctrs/ as shown
ANG FLO	<i>Angophora floribunda</i>	Rough Barked Apple	✓	25m	15m	400/ 45L	10m ctrs/ as shown
BRA ACE	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	✓	30m	10m	400/ 45L	10m ctrs/ as shown
COR CIT	<i>Corymbia citriodora</i>	Lemon Scented Gum	✓	30m	15m	400/ 45L	10m ctrs/ as shown
COR GUM	<i>Corymbia gummifera</i>	Red Bloodwood	✓	15m	10m	400/ 45L	10m ctrs/ as shown
COR MAC	<i>Corymbia maculata</i>	Spotted Gum	✓	22m	15m	400/ 45L	10m ctrs/ as shown
EUC AMP	<i>Eucalyptus amplifolia</i>	Cabbage Gum	✓	20m	10m	400/ 45L	10m ctrs/ as shown
EUC CRE	<i>Eucalyptus crebra</i>	Ironbark	✓	35m	15m	400/ 45L	10m ctrs/ as shown
EUC MOL	<i>Eucalyptus moluccana</i>	Grey Box	✓	20m	15m	400/ 45L	10m ctrs/ as shown
EUC SID	<i>Eucalyptus sideroxylon</i>	Mugga Ironbark	✓	25m	15m	400/ 45L	10m ctrs/ as shown
MAG LIT	<i>Magnolia 'Little Gem'</i>	Magnolia		6m	3m	400/ 45L	10m ctrs/ as shown
MEL LIN	<i>Melaleuca viminalis</i>	Weeping Bottlebrush	✓	10m	6m	400/ 45L	10m ctrs/ as shown
SYN GLO	<i>Syncarpia glomulifera</i>	Turpentine	✓	40m	20m	400/ 45L	10m ctrs/ as shown
TRI LAU	<i>Tristanopsis laurina</i>	Water Gum	✓	15m	6m	400/ 45L	10m ctrs/ as shown
Small Trees / Large Shrubs							
ACA dec	<i>Acacia decurrens</i>	Black Wattle	✓	10m	2m	200 / 75mm	1.5 / 2m ctrs
ACA imp	<i>Acacia implexa</i>	Hickory Wattle	✓	10m	2m	200 / 75mm	1.5 / 2m ctrs
ACA flo	<i>Acacia floribunda</i>	Sally Wattle	✓	4m	3m	200 / 75mm	2m ctrs
ACA par	<i>Acacia parramattensis</i>	Sydney GreenWattle	✓	8m	4m	200 / 75mm	3m ctrs
ACM smi	<i>Acmena smithii</i>	Lillypilly	✓	4m	3m	200 / 75mm	2m ctrs
BAC myr	<i>Backhousia myrtifolia</i>	Grey Myrtle	✓	4m	3m	200 / 75mm	2m ctrs
BAN eri	<i>Banksia ericifolia</i>	Heath Banksia	✓	5m	2m	200 / 75mm	1.5m ctrs
BAN ser	<i>Banksia serrata</i>	Old Man Banksia	✓	8m	2m	200 / 75mm	1.5m ctrs
BAN spi	<i>Banksia spinulosa</i>	Hairpin Banksia	✓	8m	3m	200 / 75mm	2.5m ctrs
CAL cit	<i>Callistemon citrinus</i>	Crimson Bottlebrush	✓	2m	3m	200 / 75mm	2.5m ctrs
CAL sal	<i>Callistemon salignus</i>	Willow Bottlebrush	✓	4m	2m	200 / 75mm	1.5m ctrs
CER gum	<i>Ceratopetalum gummiferum</i>	Christmas Bush	✓	4m	3m	200 / 75mm	2.5m ctrs
DOD tri	<i>Dodonaea triquetra</i>	Common Hop Bush	✓	3m	1m	200 / 75mm	0.8m ctrs
MEL dec	<i>Melaleuca decora</i>	White Feather Honey Myrtle	✓	7m	2m	200 / 75mm	4m ctrs
MEL lin	<i>Melaleuca linariifolia</i>	Snow In Summer	✓	8m	3m	200 / 75mm	4m ctrs
MEL sty	<i>Melaleuca styphelioides</i>	Prickly Leaved Paper Bark	✓	15m	8m	200 / 75mm	6 / 8m ctrs
SYZ aus	<i>Syzygium australe</i>	Brush Cherry	✓	8m	3m	200 / 75mm	4m ctrs
XAN aus	<i>Xanthorrea australis</i>	Austral Grass Tree	✓	2m	2m	200 / 75mm	As Shown
Small & Medium Shrubs							
AGA att	<i>Agave attenuata</i>	Lion's Tail Agave		1.5m	1m	200 / 75mm	0.5m ctrs
CAL vim	<i>Callistemon 'Green John'</i>	Bottlebrush	✓	1m	1m	200 / 75mm	1m ctrs
CRA arb	<i>Crassula arborescens</i>	Blue Bird		1m	0.5m	200 / 75mm	0.5m ctrs
DIA rev	<i>Dianella revoluta</i>	Blue Flax-lily	✓	0.8m	0.8m	200 / 75mm	0.5m ctrs
DOR exc	<i>Doryanthes excelsa</i>	Gynea Lily	✓	2m	1.5m	200 / 75mm	1.5 /2m ctrs
ERI aus	<i>Eriostemon australasius</i>	Pink Wax Flower	✓	2m	1.5m	200 / 75mm	1m ctrs
IND aus	<i>Indigofera australis</i>	Native Indigo	✓	1.5m	1.5m	200 / 75mm	1m ctrs
KUN amb	<i>Kunzea ambigua</i>	Tick Bush	✓	2m	2m	200 / 75mm	1.5m ctrs
MEL thy	<i>Melaleuca thymifolia</i>	Thyme Honey Myrtle	✓	1m	1m	200 / 75mm	0.5m ctrs
Groundcovers & Grasses							
BAU spp	<i>Baumea SPP.</i>	Square Twig Rush Bare	✓	0.3m	0.5m	50mm Tube	5m2
CAR spp	<i>Carrex SPP.</i>	Strand Sedge Drooping	✓	0.5m	0.5m	50mm Tube	5m2
CLE ari	<i>Clematis aristata</i>	Old Mans Beard	✓	Creeper	1.5m	50mm Tube	3m2
DIC rep	<i>Dichondra repens</i>	Kidney Weed	✓	Creeper	1m	50mm Tube	3m2
DIA cae	<i>Dianella caerulea</i>	Blue Flax-lily	✓	0.5m	0.5m	50mm Tube	5m2
DIA lon	<i>Dianella longifolia</i>	Smooth Flax Lily	✓	0.8m	0.8m	50mm Tube	5m2
HAR vio	<i>Hardenbergia violacea</i>	False Sarsaparilla	✓	Creeper	2m	50mm Tube	3m2
LOM fil	<i>Lomandra filiformis</i>	Wattle Mat-rush	✓	0.3m	0.5m	50mm Tube	5m2
LOM lon	<i>Lomandra longifolia</i>	Spiny Head Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2
LOM mul	<i>Lomandra multiflora</i>	Many Flowered Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2
PAN pan	<i>Pandorea Pandorana</i>	Wonga Wonga Vine	✓	Creeper	5m	50mm Tube	3m2
VIO hed	<i>Viola Hederacea</i>	Native Violet	✓	Creeper	2m	50mm Tube	3m2
THE aus	<i>Themeda australis</i>	Kangaroo Grass	✓	1m	05m	50mm Tube	5m2

TYPICAL LANDSCAPE DETAIL



MASS PLANTING DETAIL ON NATURAL GROUND
TYPICAL SECTION
SCALE 1:20

PLANT IMAGES



Angophora costata



Corymbia citriodora



Eucalyptus amplifolia



Agave attenuata



Banksia serrata



Crassula arborescens



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.

FOR DEVELOPMENT APPLICATION

This drawing and design is subject to Ground Ink Pty Ltd copyright and may not be reproduced without written consent. Verify all dimensions on site prior to commencing work. Report all discrepancies to the project manager, prior to construction. Figured dimensions to be taken in preference to scaled drawings. Drawings made to larger scales and those particulars of the work shall take precedence over drawings made to smaller scale and those for general purposes. All work is to conform to relevant Australian standards and other codes as applicable, together with other authorities' requirements and regulations.	Client 	Architect 	Project Manager 	Issue B C D E F G H I Date 5.10.16 7.10.16 1.09.21 15.09.21 23.09.21 08.10.21 19.01.22 21.02.22 Description For Development Application Railway planting applied to Eastern Buffer For Development Application For Development Application For Development Application For Development Application For Development Application For Development Application For Development Application Drawn FH ML ML ML ML ML ML ML Checked BG RL RL RL RL RL RL RL Landscape Architect  ABN 55 163 025 45 ACN 163 025 456 Suite 201, 75 Archer St, Chatswood NSW 2067 Ph (02) 9872 5004 www.groundink.com.au	Project MINTO INDUSTRIAL DEVELOPMENT Project Address CULVERSTON ROAD, MINTO NSW	Date 21.02.2022 Scale Revision I Job Number 20160104 Drawing Number LDA-013 Drawing Name LANDSCAPE DETAILS
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