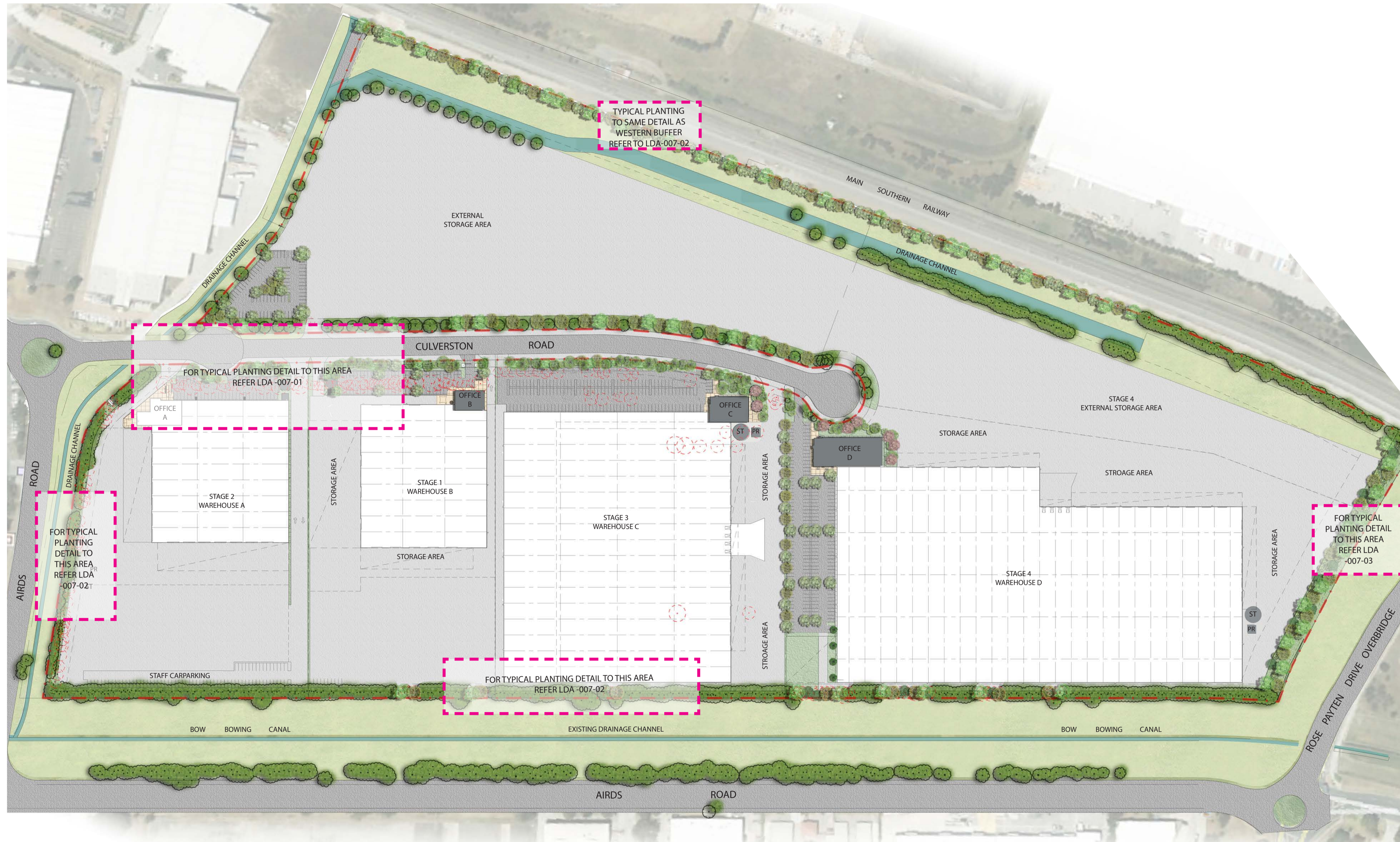




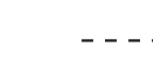


# MINTO INDUSTRIAL DEVELOPMENT

## 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

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Client



Architect



Project Manager



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	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

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





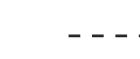
FOR DEVELOPMENT APPLICATION

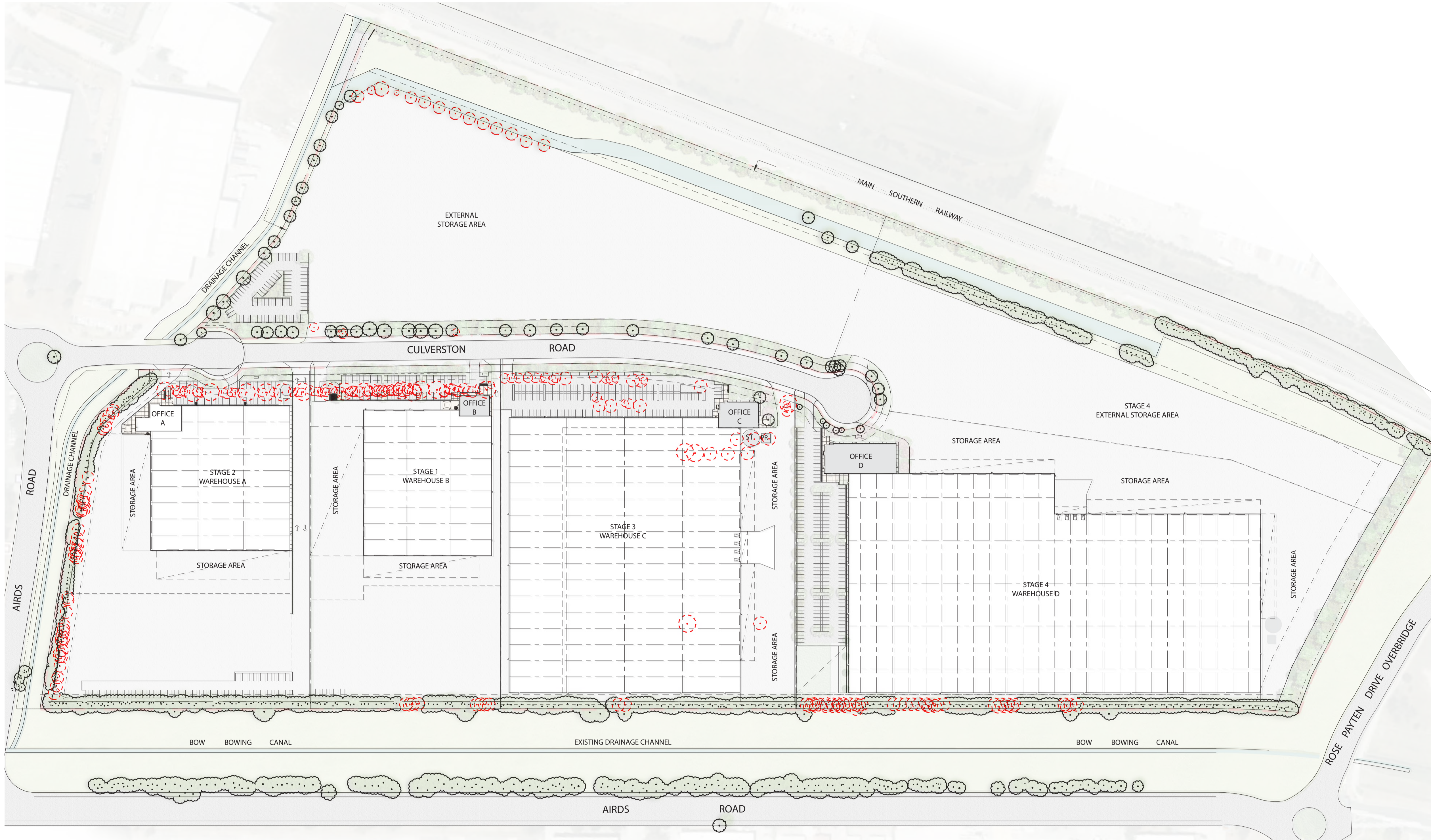
Date	Revision	Job Number	Drawing Number
08.10.2021	G	20160104	LDA-001

Scale  
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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



**FOR DEVELOPMENT APPLICATION**

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Client



Architect



Project Manager



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	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

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Project

**MINTO INDUSTRIAL DEVELOPMENT**

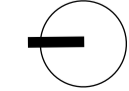
Project Address  
CULVERSTON ROAD, MINTO NSW

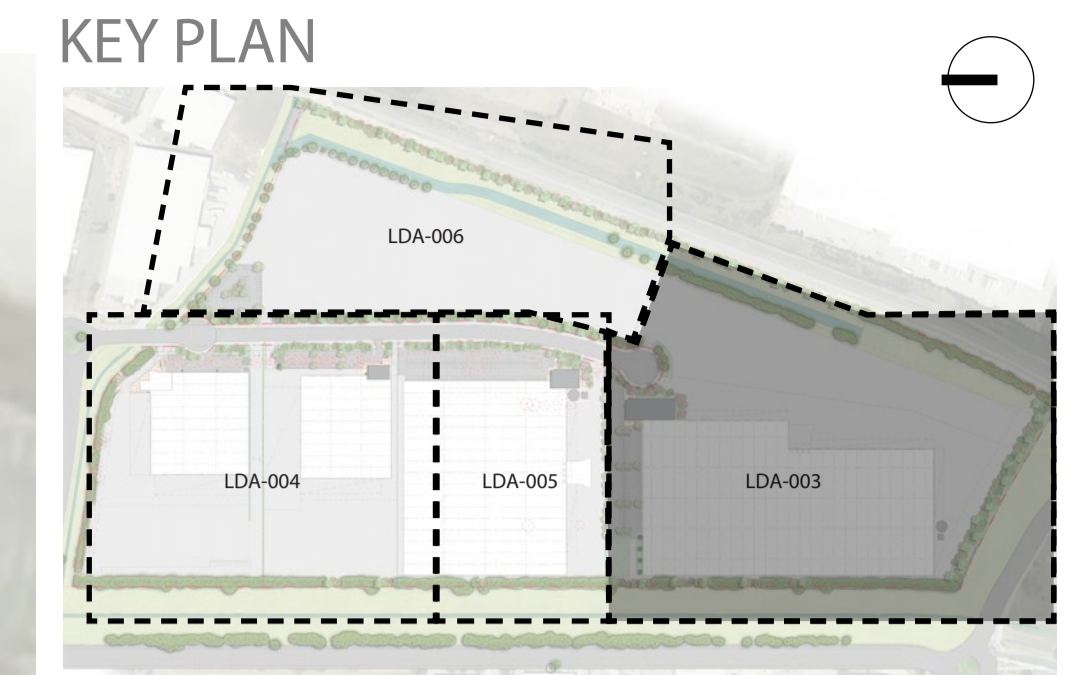
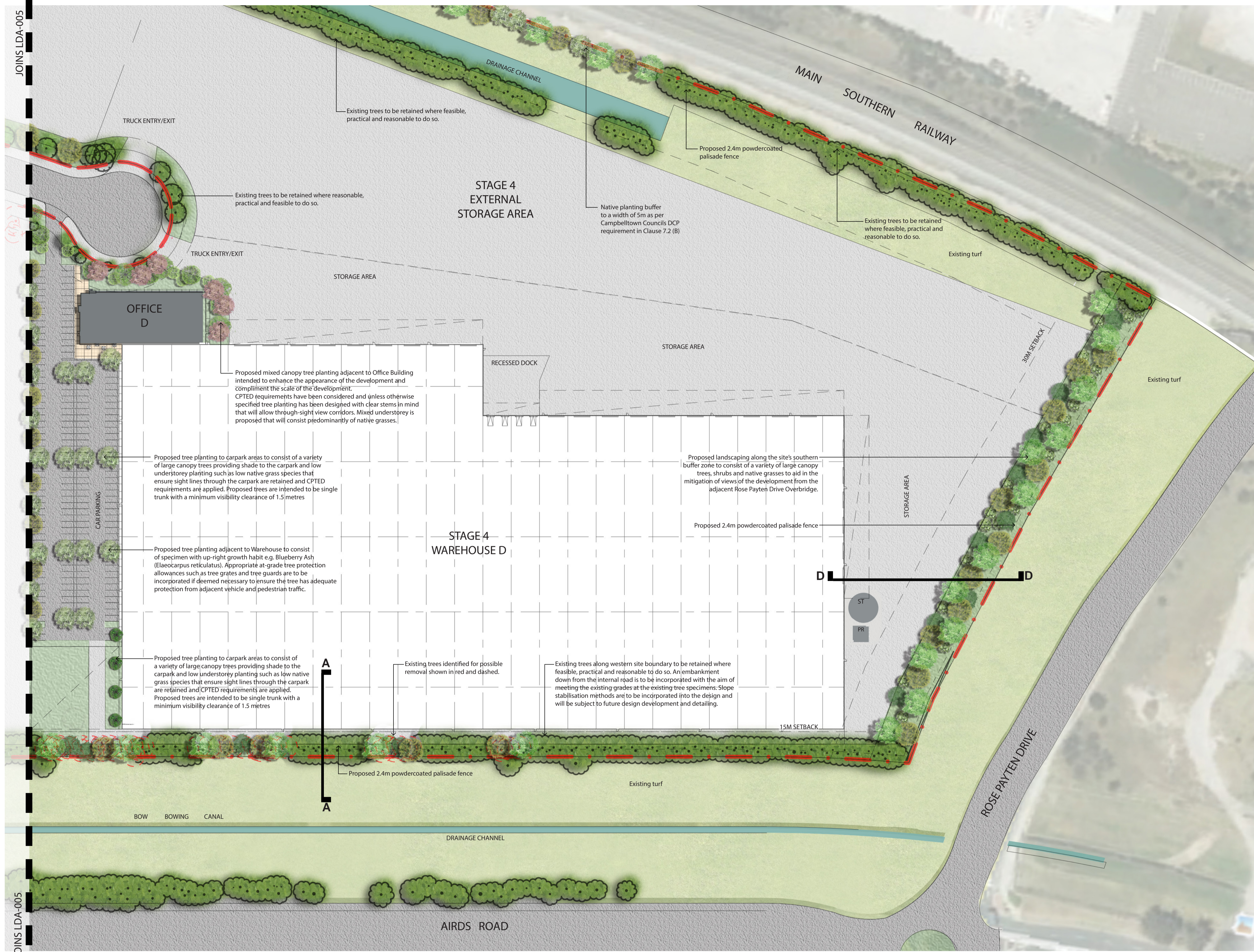
Date	Revision	Job Number	Drawing Number
08.10.2021	G	20160104	LDA-002

Scale  
1:1500 @ A1 (1:3000 @ A3)

0 5 10 20m

Drawing Name  
**TREE RETENTION 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
  - Areas of detailed Planting Plans

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Client

Architect

Project Manager

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	22.09.21	For Development Application	ML	RL
F	08.10.21	For Development Application	ML	RL

Landscape Architect

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Project

MINTO INDUSTRIAL DEVELOPMENT

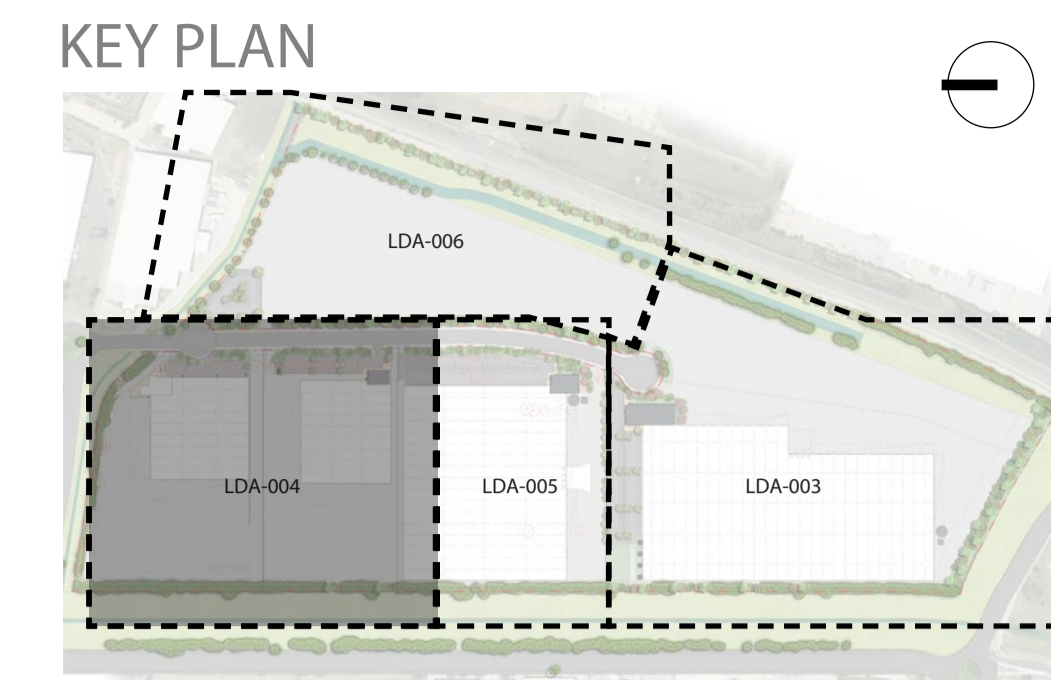
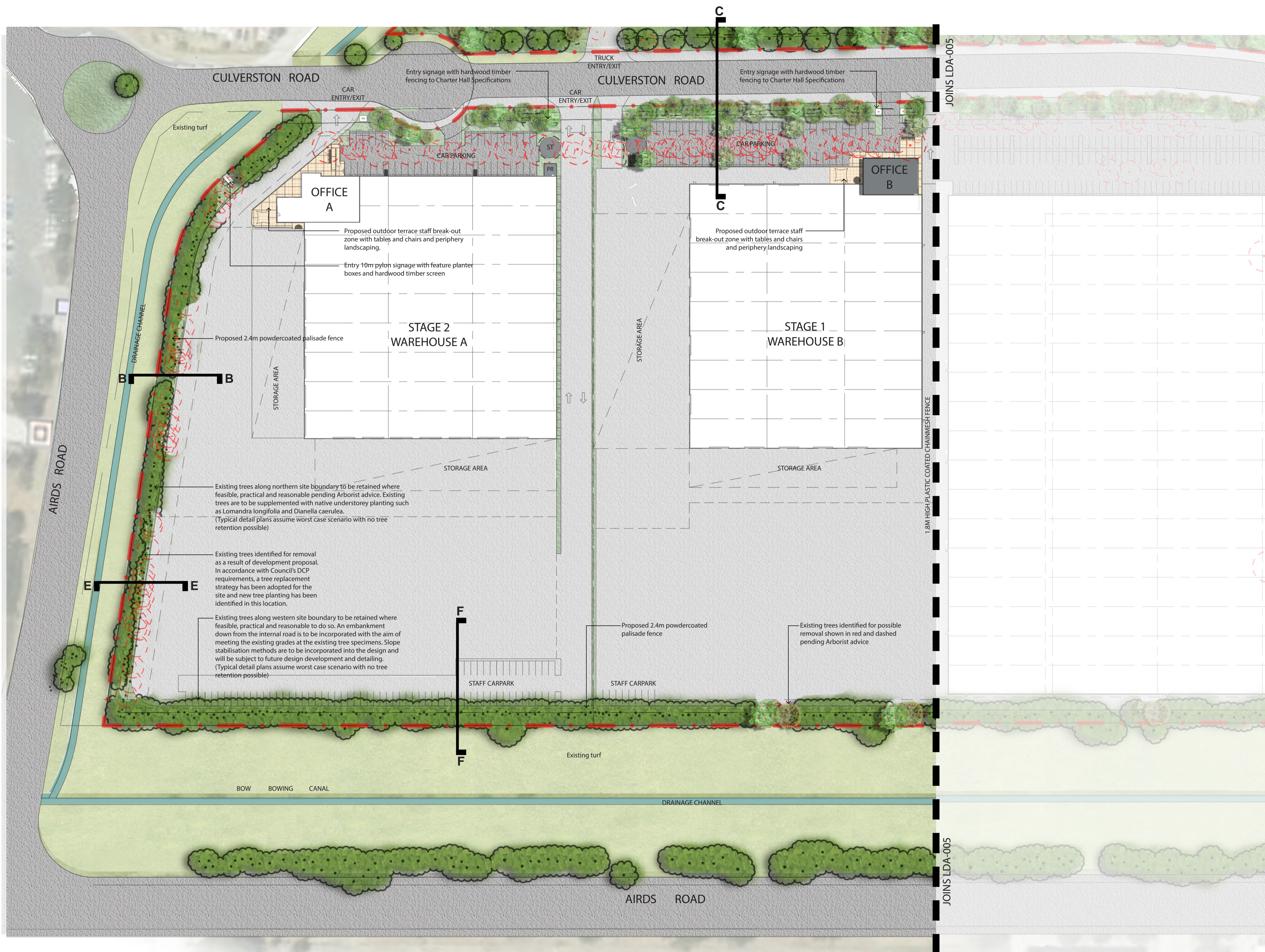
Project Address  
 CULVERSTON ROAD, MINTO NSW

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
08.10.2021	F	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
  - 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	22.09.21	For Development Application	ML	RL
F	08.10.21	For Development Application	ML	RL

Landscape Architect

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LANDSCAPE ARCHITECTS

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**MINTO INDUSTRIAL DEVELOPMENT**

Project Address

**CULVERSTON ROAD, MINTO NSW**

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
08.10.2021	F	20160104	LDA-004

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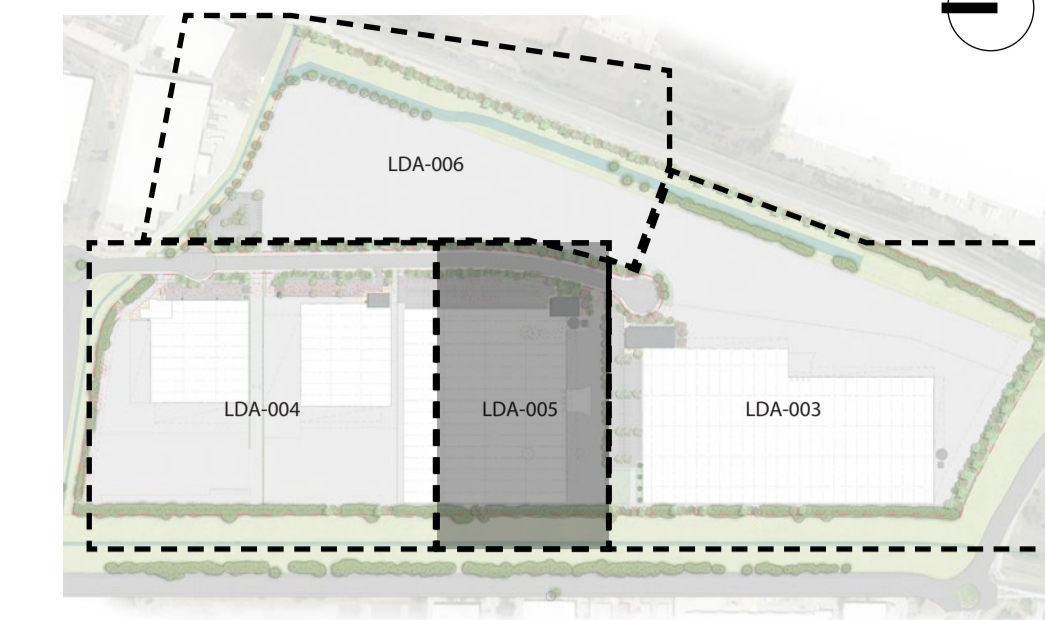
0 5 10 20 30 40 50m

Drawing Name

**STAGE 1 & 2 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
- 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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C	7.10.16	Railway planting added to Eastern Buffer	FH	BG
D	15.09.21	For Development Application	ML	RL
E	22.09.21	For Development Application	ML	RL
F	08.10.21	For Development Application	ML	RL

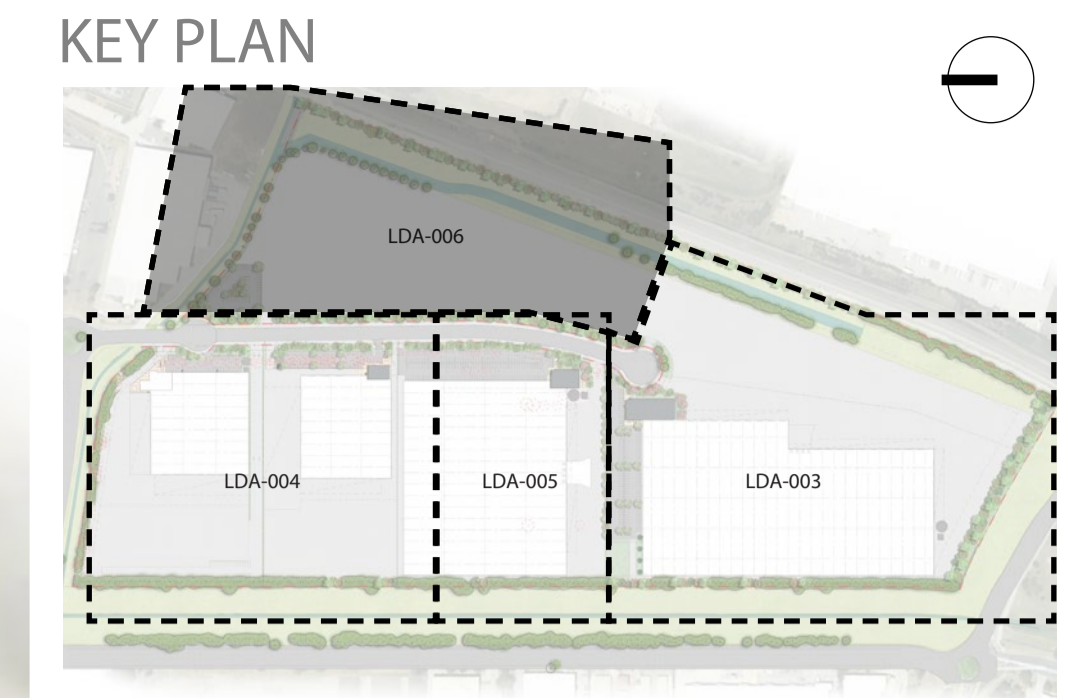
Landscape Architect  
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Project  
 MINTO INDUSTRIAL DEVELOPMENT  
 Project Address  
 CULVERSTON ROAD, MINTO NSW

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
08.10.2021	F	20160104	LDA-005

Scale  
 1:750 @ A1 (1:1500 @ A3)  
 0 5 10 20 30 40 50m  
 Drawing Name  
 STAGE 3 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
  - Areas of detailed Planting Plans

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Client

Architect

Project Manager

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	22.09.21	For Development Application	ML	RL
F	08.10.21	For Development Application	ML	RL

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Project

MINTO INDUSTRIAL DEVELOPMENT

Project Address  
CULVERSTON ROAD, MINTO NSW

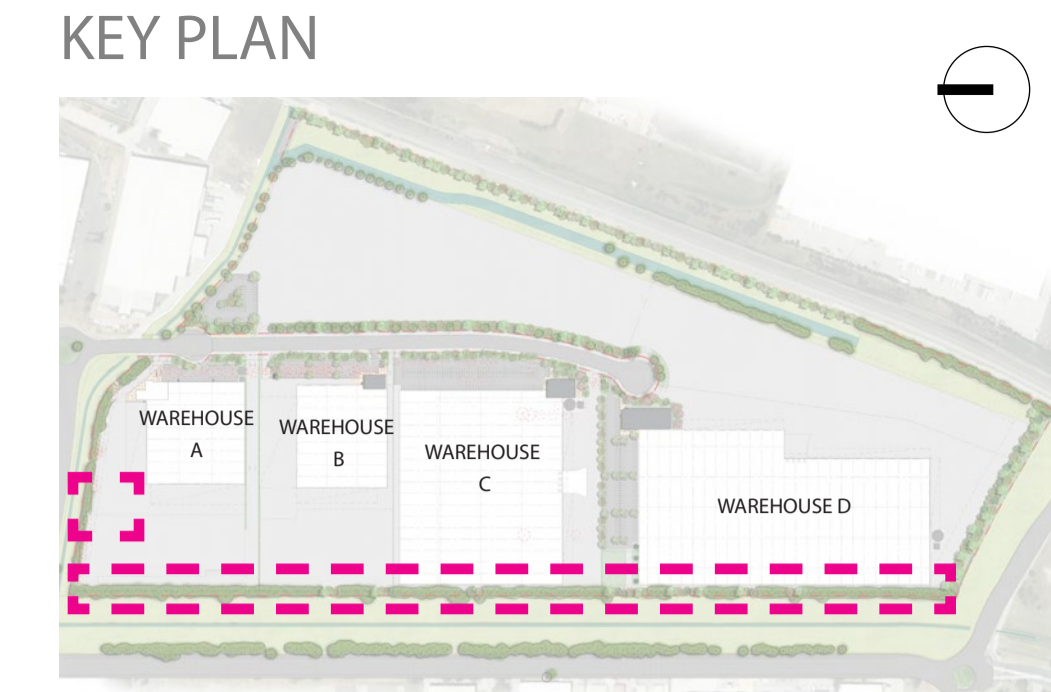
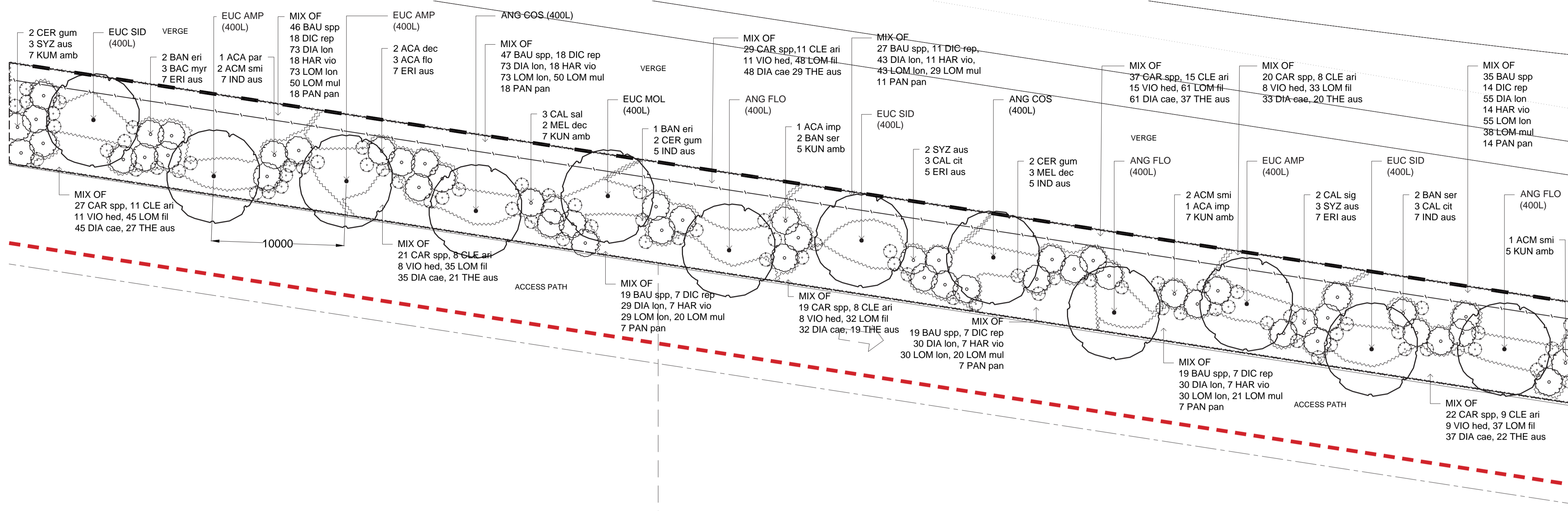
FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
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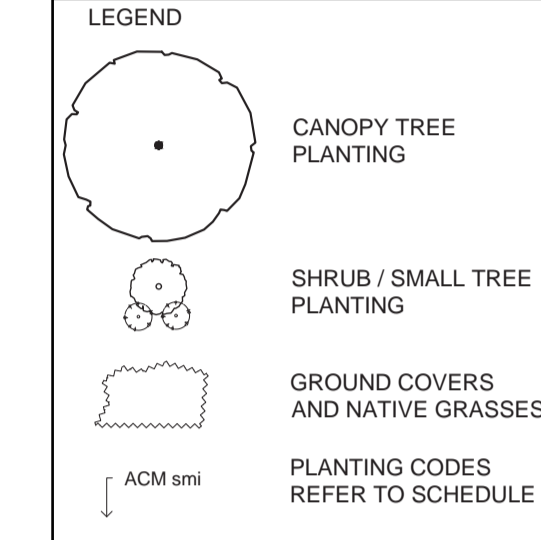
Drawing Name  
EXTERNAL STORAGE AREA LANDSCAPE PLAN





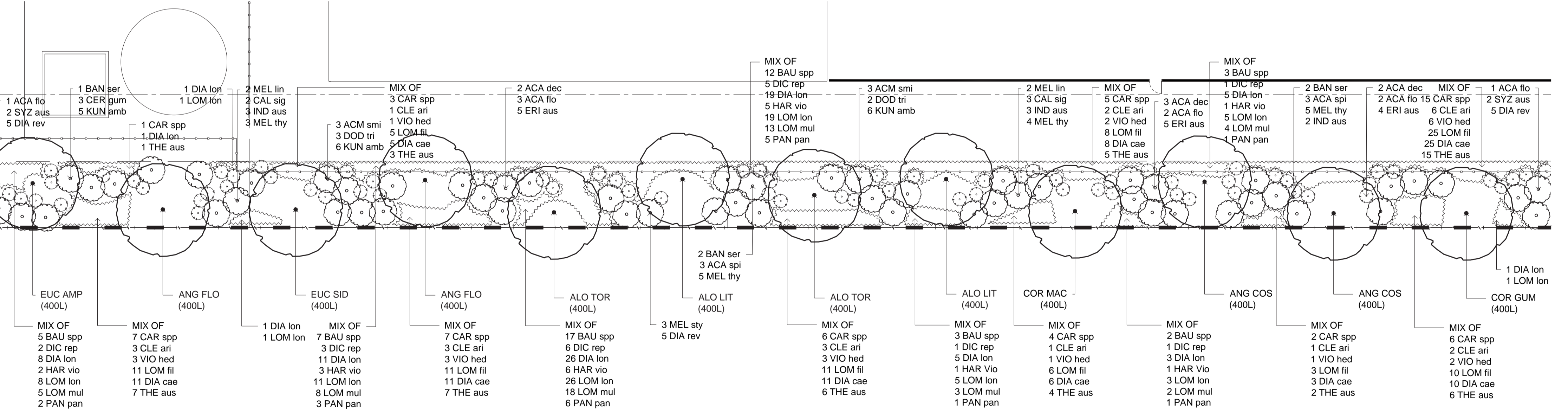
### TYPICAL PLANTING SET OUT FOR NORTHERN BUFFER

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: 896m<sup>2</sup>  
 Approximate total area of Northern Buffer: 2296m<sup>2</sup>



### NORTHERN BUFFER PLANT SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD	INSTALL SIZE	PLANTING DENSITY	QTY*	ESTIMATED QUANTITY**
<b>Large Trees</b>									
ANG COS	<i>Angophora costata</i>	Smooth Barked Apple	✓	25m	15m	400L	10m centres	2	5
ANG FLO	<i>Angophora floribunda</i>	Rough Barked Apple	✓	25m	15m	400L	10m centres	3	8
EUC AMP	<i>Eucalyptus amplifolia</i>	Cabbage Gum	✓	20m	10m	400L	10m centres	3	8
EUC MOL	<i>Eucalyptus moluccana</i>	Grey Box	✓	20m	15m	400L	10m centres	1	3
EUC SID	<i>Eucalyptus sideroxylon</i>	Mugga Ironbark	✓	25m	15m	400L	10m centres	3	8
<b>Small Trees / Large Shrubs</b>									
ACA dec	<i>Acacia decurrens</i>	Black Wattle	✓	10m	2m	75mm	AS SHOWN	2	5
ACA imp	<i>Acacia implexa</i>	Hickory Wattle	✓	10m	2m	75mm	AS SHOWN	2	5
ACA flo	<i>Acacia floribunda</i>	Sally Wattle	✓	4m	3m	75mm	AS SHOWN	3	8
ACA par	<i>Acacia paramattensis</i>	Sydney Green Wattle	✓	8m	4m	75mm	AS SHOWN	1	3
BAN eri	<i>Banksia ericifolia</i>	Heath Banksia	✓	5m	2m	75mm	AS SHOWN	3	8
BAN ser	<i>Banksia serrata</i>	Old Man Banksia	✓	8m	2m	75mm	AS SHOWN	1	3
CAL cit	<i>Callistemon citrinus</i>	Crimson Bottlebrush	✓	2m	3m	75mm	AS SHOWN	4	10
CAL sal	<i>Callistemon salignus</i>	Willow Bottlebrush	✓	4m	2m	75mm	AS SHOWN	5	13
CER gum	<i>Cratogeomelum gummiferum</i>	Christmas Bush	✓	4m	3m	75mm	AS SHOWN	6	15
MEL dec	<i>Melaleuca decora</i>	Honey Myrtle	✓	7m	2m	75mm	AS SHOWN	5	13
SYZ aus	<i>Syzygium australe</i>	Brush Cherry	✓	8m	3m	75mm	AS SHOWN	8	21
<b>Small &amp; Medium Shrubs</b>									
ERI aus	<i>Eriostemon australis</i>	Pink Wax Flower	✓	2m	1.5m	75mm	AS SHOWN	16	41
IND aus	<i>Indigofera australis</i>	Native Indigo	✓	1.5m	1.5m	75mm	AS SHOWN	24	62
KUN amb	<i>Kunzea ambigua</i>	Tick Bush	✓	2m	2m	75mm	AS SHOWN	24	62
<b>Groundcovers &amp; Grasses</b>									
BAU spp	<i>Baumea SPP</i>	Square Twig Rush Bare	✓	0.3m	0.5m	50mm Tube	5m <sup>2</sup>	212	543
CAR spp	<i>Carax SPP</i>	Strand Sedge Drooping	✓	0.5m	0.5m	50mm Tube	5m <sup>2</sup>	175	448
CLE ari	<i>Clematis aristata</i>	Old Mans Beard	✓	Creep	1.5m	50mm Tube	3m <sup>2</sup>	70	179
DIC rep	<i>Dichondra repens</i>	Kidney Weed	✓	Creep	1m	50mm Tube	3m <sup>2</sup>	82	210
DIA cae	<i>Dianella caerulea</i>	Blue Flax-lily	✓	0.5m	0.5m	50mm Tube	5m <sup>2</sup>	291	746
DIA lon	<i>Dianella longifolia</i>	Smooth Flax Lily	✓	0.8m	0.8m	50mm Tube	5m <sup>2</sup>	333	853
HAR vio	<i>Hardenbergia violacea</i>	False Sarsaparilla	✓	Creep	2m	50mm Tube	3m <sup>2</sup>	82	210
LOM fil	<i>Lomandra filiformis</i>	Wattle Mat-rush	✓	0.3m	0.5m	50mm Tube	5m <sup>2</sup>	291	746
LOM lon	<i>Lomandra longifolia</i>	Spiny Head Mat-rush	✓	0.7m	0.7m	50mm Tube	5m <sup>2</sup>	333	853
LOM mul	<i>Lomandra multiflora</i>	Many Flowered Mat-rush	✓	0.7m	0.7m	50mm Tube	5m <sup>2</sup>	228	584
PAN pan	<i>Pandorea Pandorana</i>	Wonga Wonga Vine	✓	Creep	5m	50mm Tube	3m <sup>2</sup>	82	210
VIO hed	<i>Viola Hederacea</i>	Native Violet	✓	Creep	2m	50mm Tube	3m <sup>2</sup>	70	179
THE aus	<i>Themeda australis</i>	Kangaroo Grass	✓	1m	0.5m	50mm Tube	5m <sup>2</sup>	137	351



### NORTHERN END WESTERN BUFFER PLANT SCHEDULE

NATIVE	BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD	INSTALL SIZE	PLANTING DENSITY	QTY*	ESTIMATED QUANTITY**
<b>Large Trees</b>									
ANG FLO	<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
EUC AMP	<i>Eucalyptus amplifolia</i>	Cabbage Gum	✓	20m	10m	45L	10m centres	2	2
EUC SID	<i>Eucalyptus sideroxylon</i>	Mugga Ironbark	✓	25m	15m	45L	10m centres	2	2
<b>Small Trees / Large Shrubs</b>									
ACA dec	<i>Acacia decurrens</i>	Black Wattle	✓	10m	2m	200mm	AS SHOWN	7	52
ACA flo	<i>Acacia floribunda</i>	Sally Wattle	✓	4m	3m	200mm	AS SHOWN	9	66
ACM smi	<i>Acmena smithii</i>	Lillypilly	✓	4m	3m	200mm	AS SHOWN	6	44
BAN ser	<i>Banksia serrata</i>	Old Man Banksia	✓	8m	2m	200mm	AS SHOWN	5	37
CER gum	<i>Cratogeomelum 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 linearifolia</i>	Snow In Summer	✓	8m	3m	200mm	AS SHOWN	4	30
MEL sty	<i>Melaleuca stypheloides</i>	Prickly Leaved Paper Bark	✓	15m	8m	200mm	AS SHOWN	3	22
SYZ aus	<i>Syzygium australe</i>	Brush Cherry	✓	8m	3m	200mm	AS SHOWN	4	30
<b>Small &amp; Medium Shrubs</b>									
DIA rev	<i>Dianella revoluta</i>	Blue Flax-lily	✓	0.8m	0.8m	200mm	AS SHOWN	15	111
ERI aus	<i>Eriostemon australis</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 thymifolia</i>	Thyme Honey Myrtle	✓	1m	1m	200mm	AS SHOWN	17	125
<b>Groundcovers &amp; Grasses</b>									
BAU spp	<i>Baumea SPP</i>	Square Twig Rush Bare	✓	0.3m	0.5m	50mm Tube	5m <sup>2</sup>	49	362
CAR spp	<i>Carax SPP</i>	Strand Sedge Drooping	✓	0.5m	0.5m	50mm Tube	5m <sup>2</sup>	56	413
CLE ari	<i>Clematis aristata</i>	Old Mans Beard	✓	Creep	1.5m	50mm Tube	3m <sup>2</sup>	22	162
DIC rep	<i>Dichondra repens</i>	Kidney Weed	✓	Creep	1m	50mm Tube	3m <sup>2</sup>	19	140
DIA cae	<i>Dianella caerulea</i>	Blue Flax-lily	✓	0.5m	0.5m	50mm Tube	5m <sup>2</sup>	90	664
DIA lon	<i>Dianella longifolia</i>	Smooth Flax Lily	✓	0.8m	0.8m	50mm Tube	5m <sup>2</sup>	81	598
HAR vio	<i>Hardenbergia violacea</i>	False Sarsaparilla	✓	Creep	2m	50mm Tube	3m <sup>2</sup>	19	140
LOM fil	<i>Lomandra filiformis</i>	Wattle Mat-rush	✓	0.3m	0.5m	50mm Tube	5m <sup>2</sup>	90	664
LOM lon	<i>Lomandra longifolia</i>	Spiny Head Mat-rush	✓	0.7m	0.7m	50mm Tube	5m <sup>2</sup>	80	590
LOM mul	<i>Lomandra multiflora</i>	Many Flowered Mat-rush	✓	0.7m	0.7m	50mm Tube	5m <sup>2</sup>	53	393
PAN pan	<i>Pandorea Pandorana</i>	Wonga Wonga Vine	✓	Creep	5m	50mm Tube	3m <sup>2</sup>	19	140
VIO hed	<i>Viola Hederacea</i>	Native Violet	✓	Creep	2m	50mm Tube	3m <sup>2</sup>	22	162
THE aus	<i>Themeda australis</i>	Kangaroo Grass	✓	1m	0.5m	50mm Tube	5m <sup>2</sup>	56	413

### TYPICAL PLANTING SET OUT FOR NORTHERN END OF WESTERN BUFFER

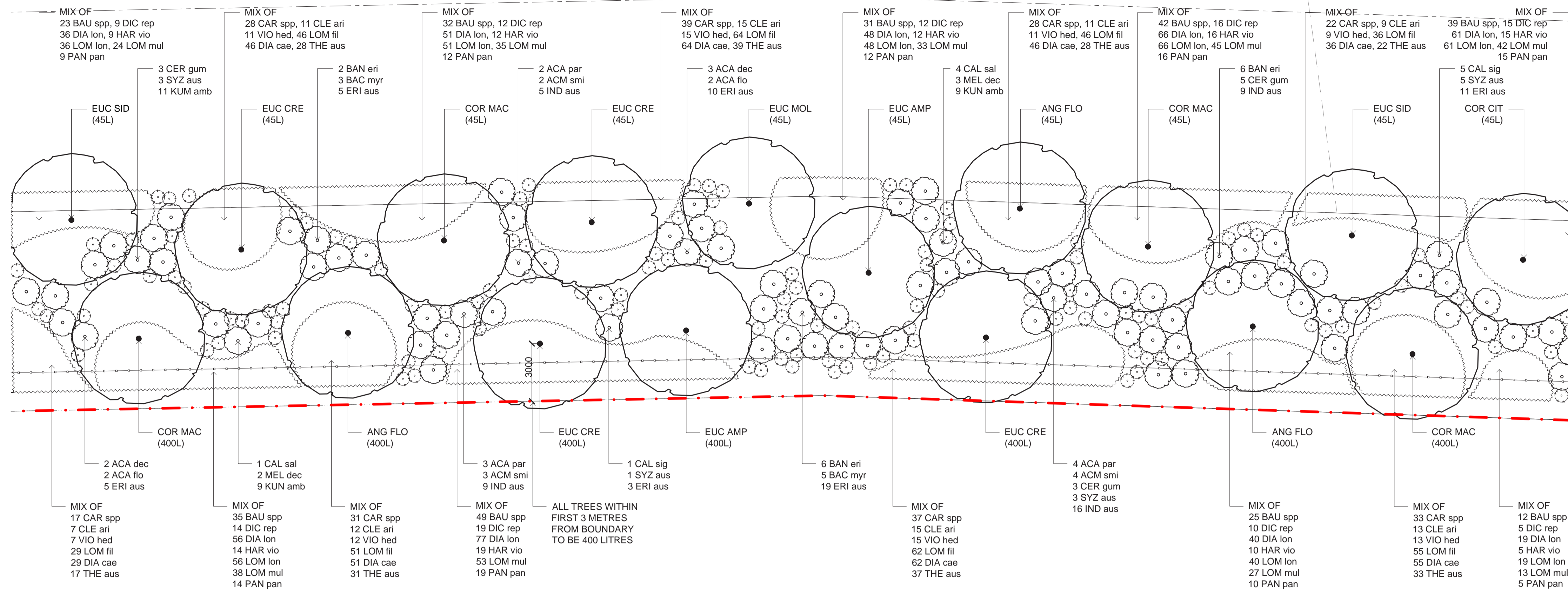
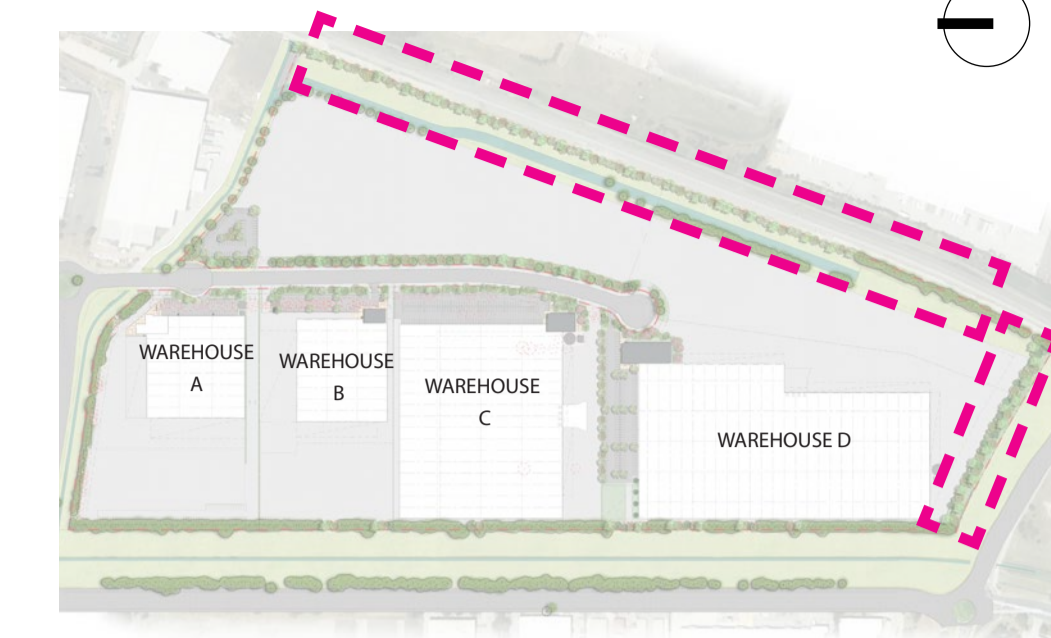
NOTES:  
 \* QTY - These numbers represent total numbers in the typical planting detail above only  
 \*\* Estimated QTY - These numbers represent total estimated plants for the entire western buffer only. Numbers have been approximated based on quantities used in typical area  
 FINAL QUANTITIES OF 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: 594m<sup>2</sup>  
 Approximate total area of Western Buffer: 4389m<sup>2</sup>  
 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 4017m<sup>2</sup>

### FOR DEVELOPMENT APPLICATION

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					A	28.4.16	For Development Application	BH	RL	Project	08.10.2021	G	20160104	LDA-007-02
				B	5.10.16	For Development Application	FH	BG	<b>GROUND INK</b> LANDSCAPE ARCHITECTS ABN 55 163 025 45 Suite 201, 75 Archer St, Chatswood NSW 2067 Ph (02) 9872 5004 www.groundink.com.au	MINTO INDUSTRIAL DEVELOPMENT	Scale	1:200 @ A1 (1:400 @ A3)		
				C	7.10.16	Railway planting added to Eastern Buffer	FH	BG		CULVERSTON ROAD, MINTO NSW	Project Address			
				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						

# TYPICAL PLANTING SET OUT FOR SOUTHERN BUFFER

## KEY PLAN



**LEGEND**

- CANOPY TREE PLANTING
- SHRUB / SMALL TREE PLANTING
- GROUND COVERS AND NATIVE GRASSES
- PLANTING CODES REFER TO SCHEDULE

## SOUTHERN BUFFER PLANT SCHEDULE

NATIVE	BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD	INSTALL SIZE	PLANTING DENSITY	QTY*	ESTIMATED QUANTITY**
<b>Large Trees</b>									
ANG FLO	<i>Angophora floribunda</i>	Rough Barked Apple	✓	25m	15m	400 / 45L	10m centres	3	5
COR CIT	<i>Corymbia citriodora</i>	Lemon Scented Gum	✓	30m	15m	400 / 45L	10m centres	1	2
COR MAC	<i>Corymbia maculata</i>	Spotted Gum	✓	30m	15m	400 / 45L	10m centres	4	7
EUC AMP	<i>Eucalyptus amplifolia</i>	Cabbage Gum	✓	20m	10m	400 / 45L	10m centres	2	4
EUC CRE	<i>Eucalyptus crebra</i>	Ironbark	✓	35m	15m	400 / 45L	10m centres	4	7
EUC MOL	<i>Eucalyptus moluccana</i>	Grey Box	✓	20m	15m	400 / 45L	10m centres	1	2
EUC SID	<i>Eucalyptus sideroxylon</i>	Mugga Ironbark	✓	25m	15m	400 / 45L	10m centres	2	4
<b>Small Trees / Large Shrubs</b>									
ACA dec	<i>Acacia decurrens</i>	Black Wattle	✓	10m	2m	75mm	AS SHOWN	5	9
ACA flo	<i>Acacia floribunda</i>	Sally Wattle	✓	4m	3m	75mm	AS SHOWN	4	7
ACA par	<i>Acacia parramattensis</i>	Sydney Green Wattle	✓	8m	4m	75mm	AS SHOWN	9	16
ACM smi	<i>Acmena smithii</i>	Lillypilly	✓	4m	3m	75mm	AS SHOWN	9	16
BAC myr	<i>Banksia myrtifolia</i>	Grey Myrtle	✓	4m	3m	75mm	AS SHOWN	8	14
BAN eri	<i>Banksia ericifolia</i>	Heath Banksia	✓	5m	2m	75mm	AS SHOWN	14	25
CAL sal	<i>Callistemon salignus</i>	Willow Bottlebrush	✓	4m	2m	75mm	AS SHOWN	5	9
CER gum	<i>Ceratopetalum gummiferum</i>	Christmas Bush	✓	4m	3m	75mm	AS SHOWN	11	19
MEL dec	<i>Melaleuca decora</i>	Honey Myrtle	✓	7m	2m	75mm	AS SHOWN	5	9
SYZ aus	<i>Syzygium australe</i>	Brush Cherry	✓	8m	3m	75mm	AS SHOWN	12	21
<b>Small &amp; Medium Shrubs</b>									
ERI aus	<i>Eriostemon australasius</i>	Pink Wax Flower	✓	2m	1.5m	75mm	AS SHOWN	53	94
IND aus	<i>Indigofera australis</i>	Native Indigo	✓	1.5m	1.5m	75mm	AS SHOWN	39	69
KUN amb	<i>Kunzea ambigua</i>	Tick Bush	✓	2m	2m	75mm	AS SHOWN	18	32
<b>Groundcovers &amp; Grasses</b>									
BAU spp	<i>Baumea SPP</i>	Square Twig Rush	✓	0.3m	0.5m	50mm Tube	5m2	288	510
CAR spp	<i>Carex SPP</i>	Strand Sedge	✓	0.5m	0.5m	50mm Tube	5m2	235	416
CLE ari	<i>Clematis aristata</i>	Old Mans Beard	✓	Creepers	1.5m	50mm Tube	3m2	93	165
DIC rep	<i>Dichondra repens</i>	Kidney Weed	✓	Creepers	1m	50mm Tube	3m2	112	198
DIA cae	<i>Dianella caerulea</i>	Blue Flax-lily	✓	0.5m	0.5m	50mm Tube	5m2	389	689
DIA lon	<i>Dianella longifolia</i>	Smooth Flax-lily	✓	0.8m	0.8m	50mm Tube	5m2	454	804
HAR vio	<i>Hardenbergia violacea</i>	False Sarsaparilla	✓	Creepers	2m	50mm Tube	3m2	112	198
LOM fil	<i>Lomandra filiformis</i>	Wattle Mat-rush	✓	0.3m	0.5m	50mm Tube	5m2	389	689
LOM lon	<i>Lomandra longifolia</i>	Spiny Head Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2	377	667
LOM mul	<i>Lomandra multiflora</i>	Mat-rush	✓	0.7m	0.7m	50mm Tube	5m2	310	549
PAN pan	<i>Pandorea Pandorana</i>	Wonga Wonga Vine	✓	Creepers	5m	50mm Tube	3m2	112	198
VIO hed	<i>Viola Hederacea</i>	Native Violet	✓	Creepers	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: 1775m<sup>2</sup>

Approximate total area of Southern Buffer: 3155m<sup>2</sup>

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Client

Architect

Project Manager

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	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

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

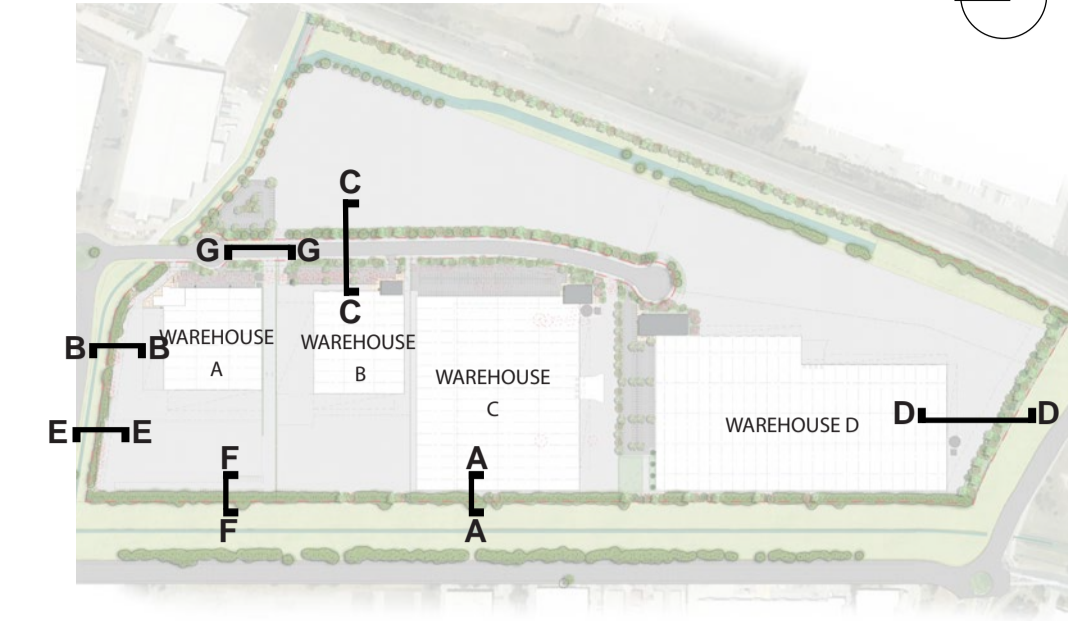
FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
08.10.2021	G	20160104	LDA-007-03

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

Drawing Name  
LANDSCAPE PLANTING DETAIL  
SOUTHERN BUFFER

KEY PLAN

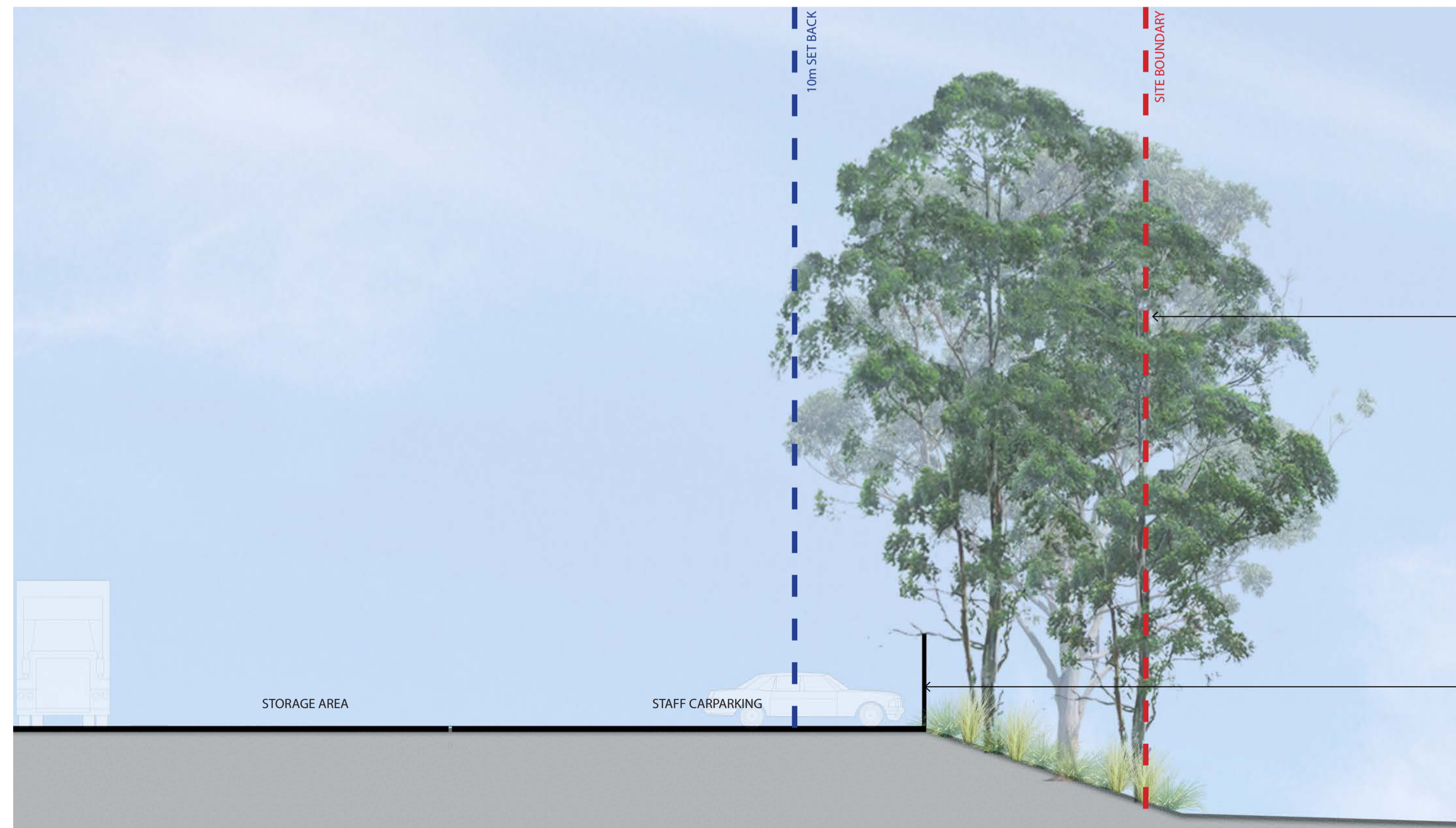


Existing trees along western site boundary to be retained where feasible, practical and reasonable to do so. An embankment down from the internal road is to be incorporated with the aim of meeting the existing grades at the existing tree specimens. Slope stabilisation methods are to be incorporated into the design and will be subject to future design development and detailing. Canopy trees, shrubs and groundcovers to be incorporated

Proposed 2.4m powdercoated palisade fence

WESTERN BOUNDARY SOUTH LANDSCAPE SECTION  
SECTION AA

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

WESTERN BOUNDARY NORTH 4M SCREEN LANDSCAPE SECTION  
SECTION FF

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



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Client

Architect

Project Manager

Issue	Date	Description	Drawn	Checked
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F	08.10.21	For Development Application	ML	RL

Landscape Architect

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Project

MINTO INDUSTRIAL DEVELOPMENT

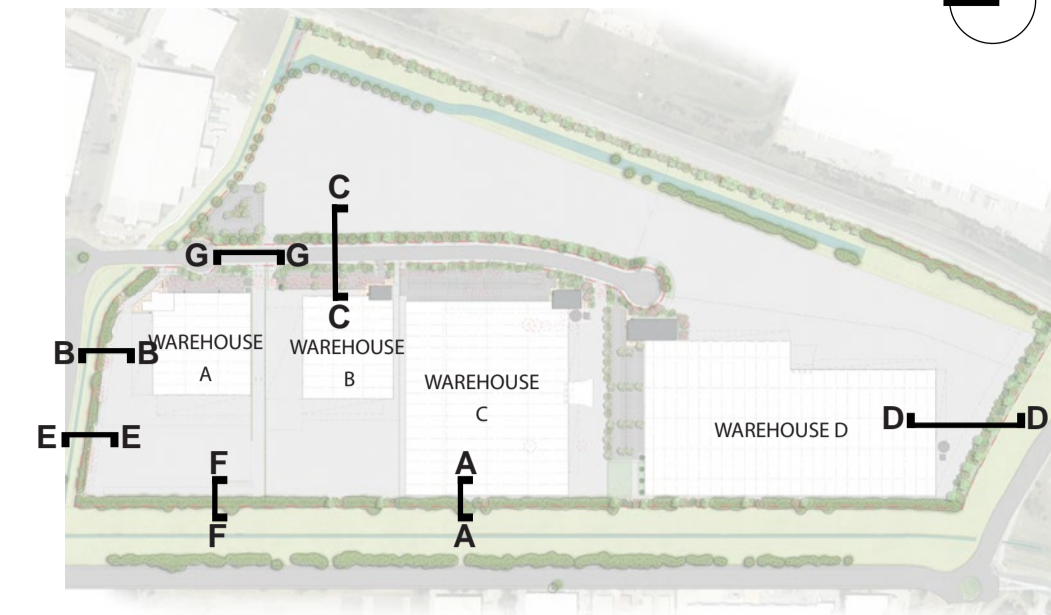
Project Address  
CULVERSTON ROAD, MINTO NSW

Date	Revision	Job Number	Drawing Number
08.10.2021	F	20160104	LDA-008

Scale  
1:100 @ A1 (1:200 @ A3)  
North

Drawing Name  
LANDSCAPE SECTIONS AA & FF

KEY PLAN



Existing trees along Culverston Road where reasonable, practical and feasible to do so. Additional tree planting is to be incorporated into the setback to reinforce the existing landscape character.

Proposed 2.4m powdercoated palisade fence

Proposed 2.4m powdercoated palisade fence

Proposed outdoor terrace staff break-out zone with tables and chairs and periphery landscaping. This space is intended to provide employees of the development with a pleasant working environment. The periphery landscape will consist of an upright shrub form intended to provide amenity and screening from the adjacent spaces.



CULVERSTON ROAD LANDSCAPE SECTION  
SECTION CC

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



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E	23.09.21	For Development Application	ML	RL
F	08.10.21	For Development Application	ML	RL

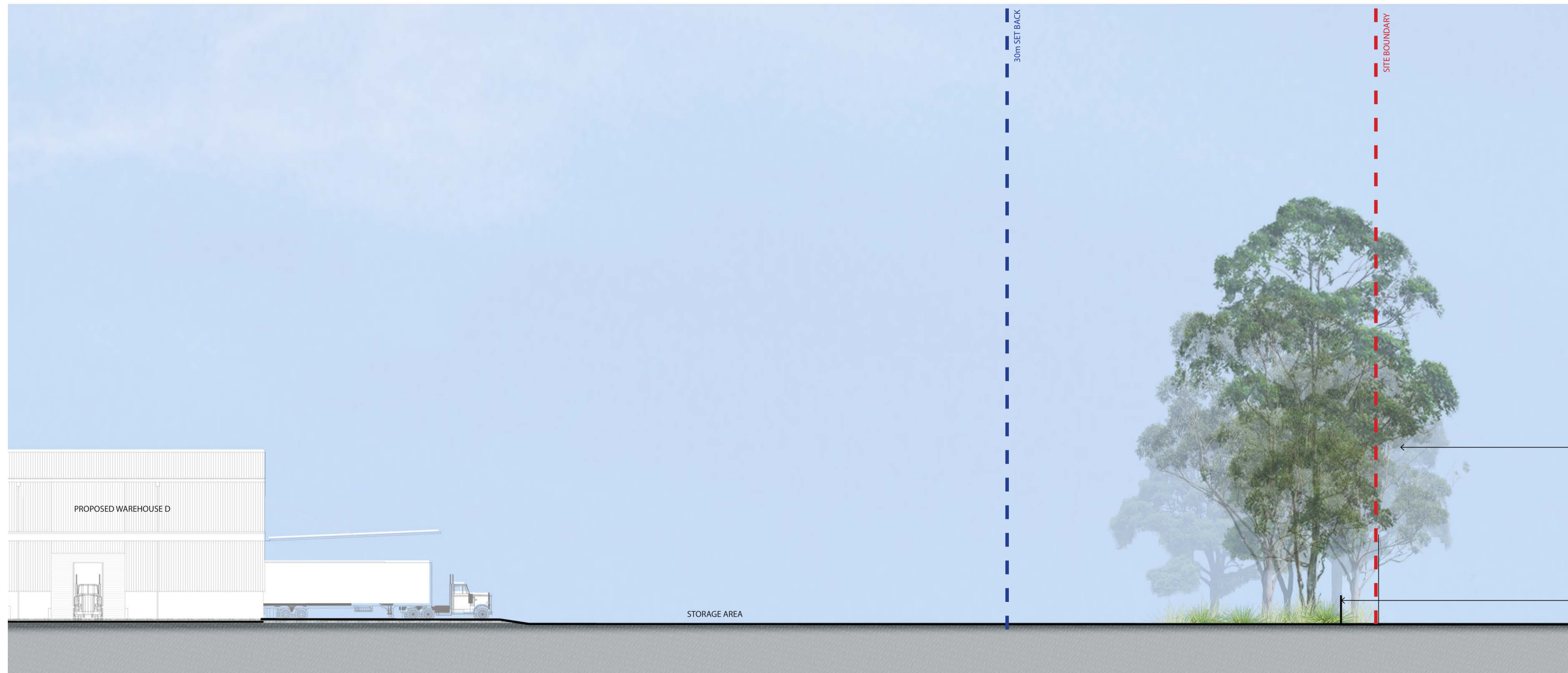
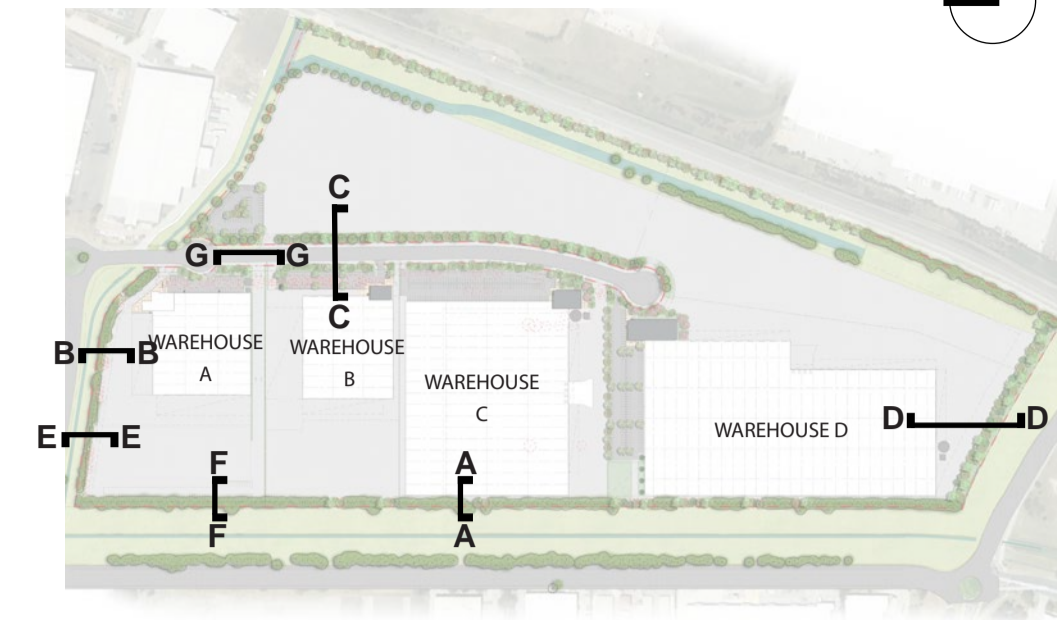
Landscape Architect  
**GROUND INK**  
LANDSCAPE ARCHITECTS  
ABN 55 163 025 45 ACN 163 025 456  
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Project  
MINTO INDUSTRIAL DEVELOPMENT  
Project Address  
CULVERSTON ROAD, MINTO NSW

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
08.10.2021	F	20160104	LDA-009
Scale 1:100 @ A1 (1:200 @ A3) 0 1 2 3 4 5m 			
Drawing Name LANDSCAPE SECTION CC			

KEY PLAN



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

SOUTHERN BOUNDARY LANDSCAPE SECTION  
SECTION DD

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



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Client  
**Charter Hall**

Architect  
[watch this **SPACE** design]

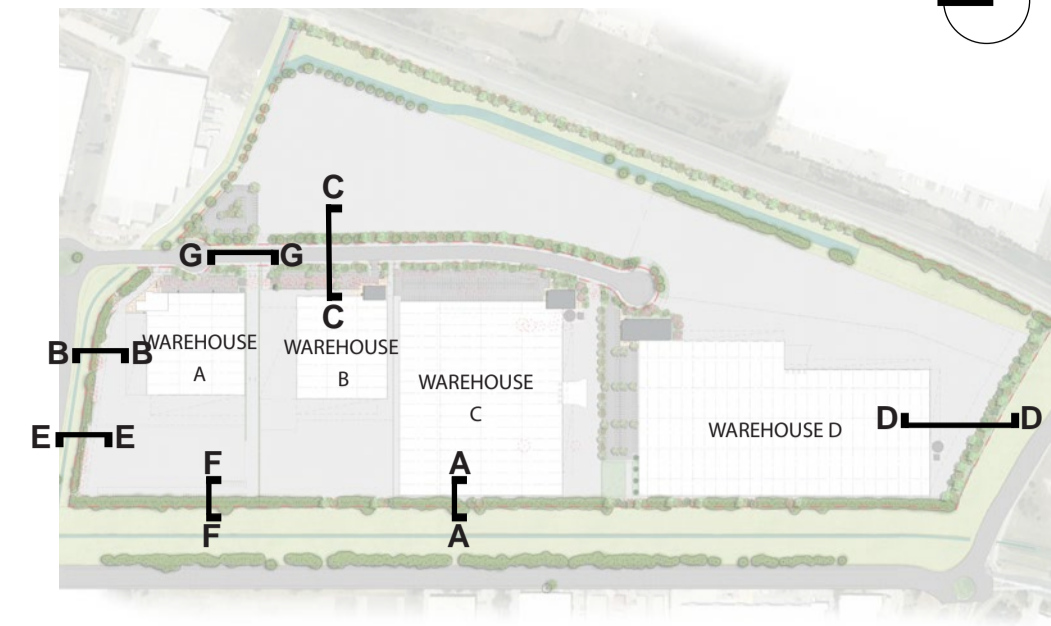
Project Manager  
**TACTICAL GROUP**

Issue	Date	Description	Drawn	Checked
A	28.4.16	For Development Application	BH	RL
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Landscape Architect  
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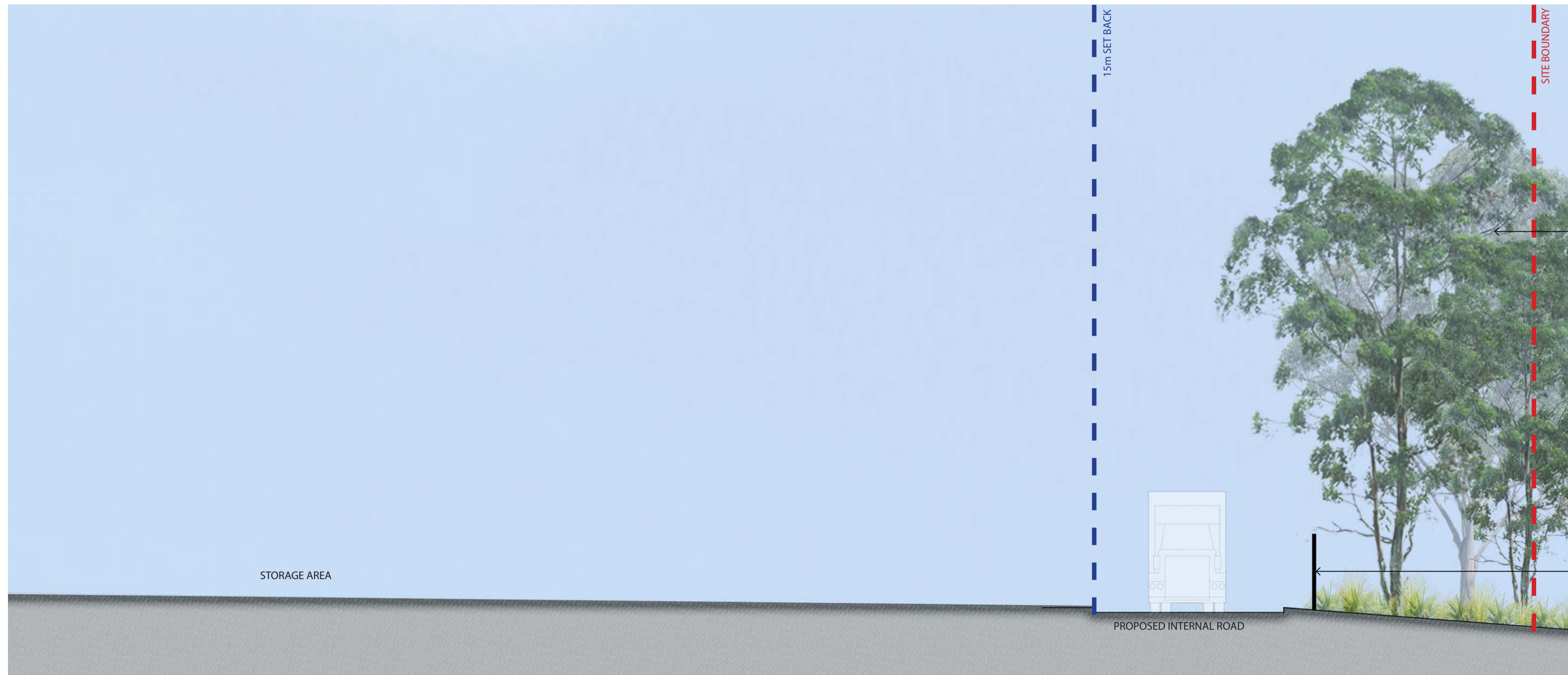
Project  
MINTO INDUSTRIAL DEVELOPMENT  
Project Address  
CULVERSTON ROAD, MINTO NSW

Date	Revision	Job Number	Drawing Number
08.10.2021	F	20160104	LDA-010
Scale 1:100 @ A1 (1:200 @ A3) 0 1 2 3 4 5m Drawing Name LANDSCAPE SECTION DD			



NORTHERN EAST BOUNDARY LANDSCAPE SECTION  
SECTION BB

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



NORTHERN BOUNDARY WEST 4M SCREEN LANDSCAPE SECTION  
SECTION EE

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



FOR DEVELOPMENT APPLICATION

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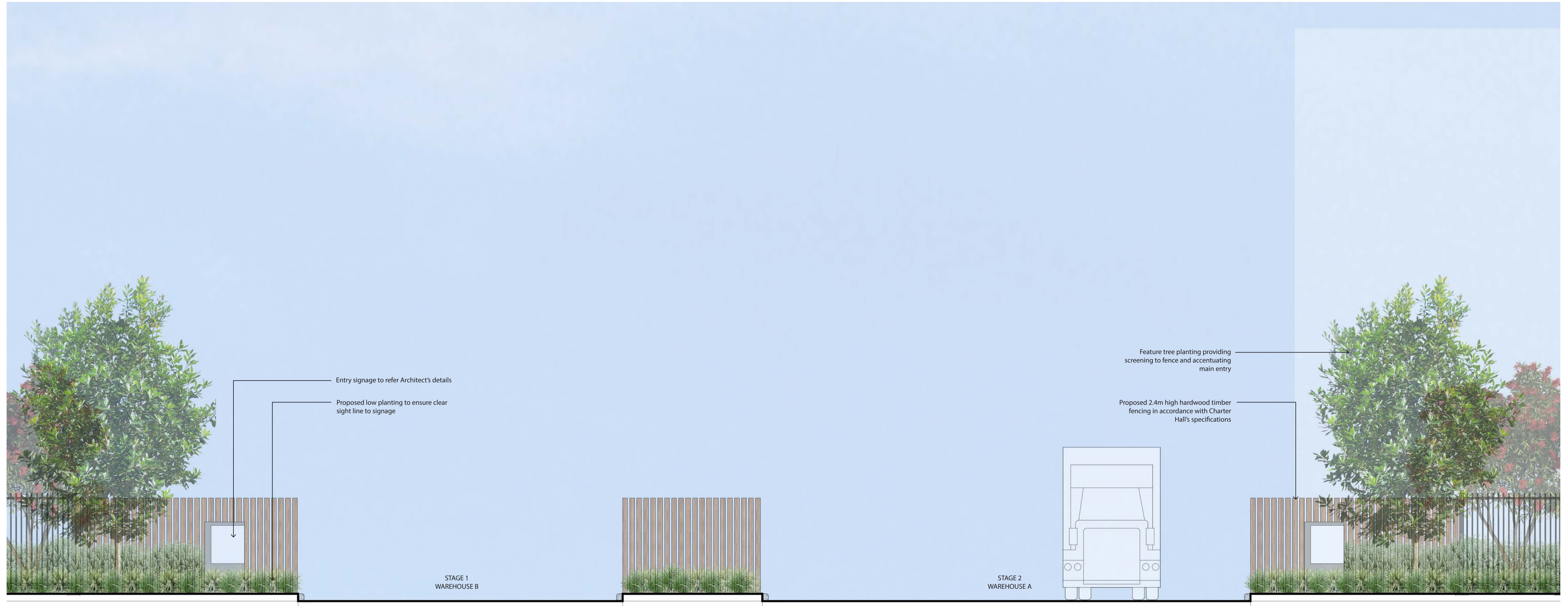
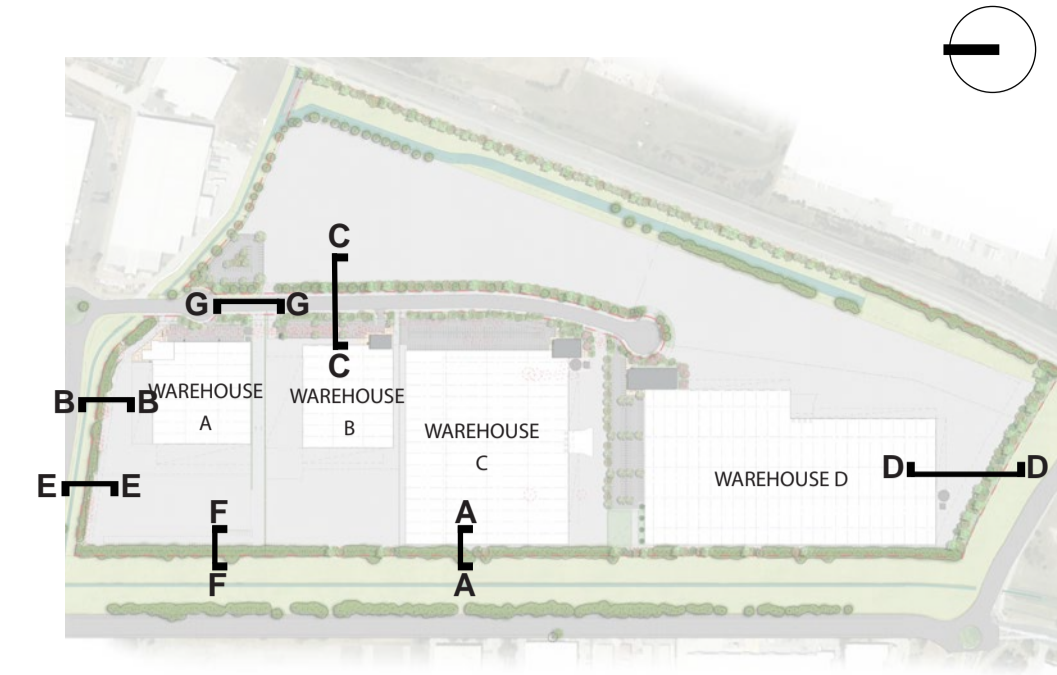


Issue	Date	Description	Drawn	Checked
A	28.4.16	For Development Application	BH	RL
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Project  
MINTO INDUSTRIAL DEVELOPMENT  
Project Address  
CULVERSTON ROAD, MINTO NSW

Date	Revision	Job Number	Drawing Number
08.10.2021	F	20160104	LDA-011
Scale			
Drawing Name LANDSCAPE SECTION BB & EE			



ENTRY STATEMENT  
ELEVATION GG

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



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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

FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
08.10.2021	F	20160104	LDA-012
Scale			
Drawing Name			
ENTRY STATEMENTS TYPICAL ELEVATION			

# MASTER PLANTING LIST

NATIVE	BOTANICAL NAME	COMMON NAME	NATIVE	MATURE HEIGHT	MATURE SPREAD	INSTALL SIZE	PLANTING DENSITY
<b>Large Trees</b>							
ALO LIT	<i>Allocasuarina 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
<b>Small Trees / Large Shrubs</b>							
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>Baccharis myrtilifolia</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>Xanthorrhoea australis</i>	Austral Grass Tree	✓	2m	2m	200 / 75mm	As Shown
<b>Small &amp; Medium Shrubs</b>							
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>	Gymea 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
<b>Groundcovers &amp; Grasses</b>							
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	0.5m	50mm Tube	5m2

# 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 superintendents 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 plants 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. Reinstatement 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.

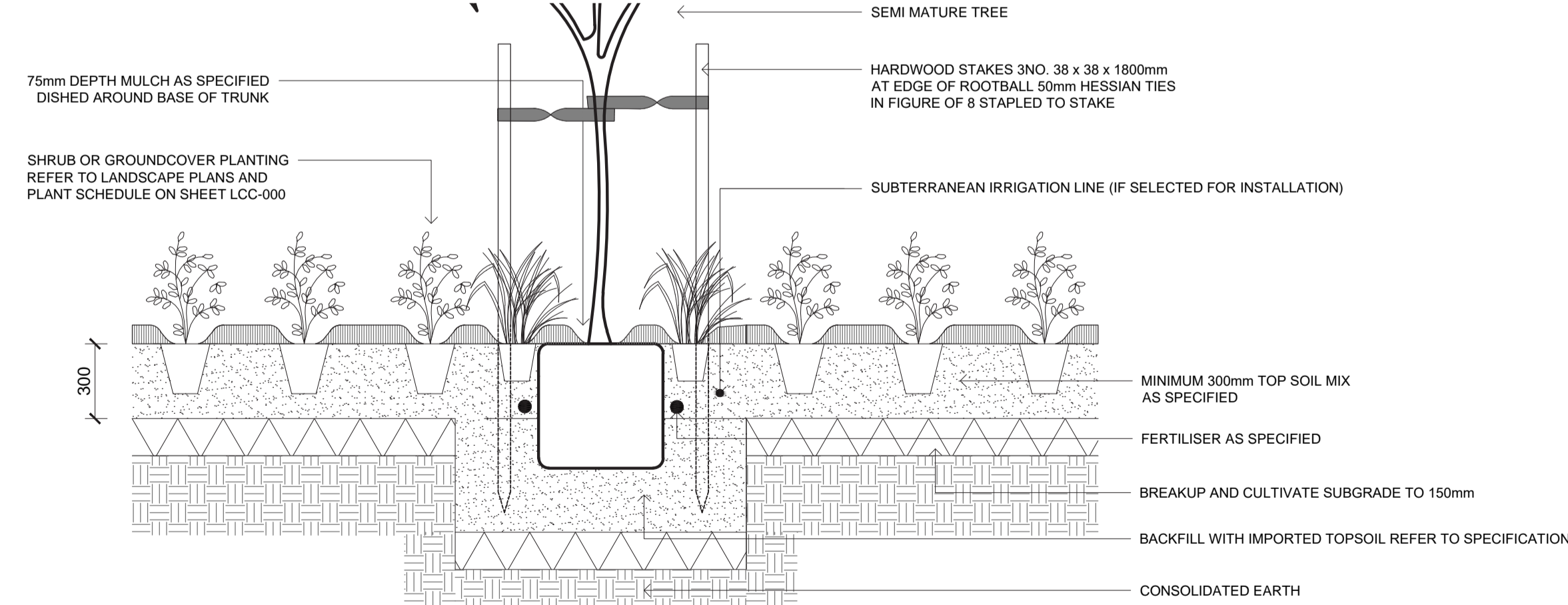
## Pest and Disease Control

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.

# TYPICAL LANDSCAPE DETAIL



## MASS PLANTING DETAIL ON NATURAL GROUND

TYPICAL SECTION SCALE 1:20

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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	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

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Project  
 MINTO INDUSTRIAL DEVELOPMENT  
 Project Address  
 CULVERSTON ROAD, MINTO NSW

## FOR DEVELOPMENT APPLICATION

Date	Revision	Job Number	Drawing Number
08.10.2021	G	20160104	LDA-013
Scale			
Drawing Name			
LANDSCAPE DETAILS			