

RIDDER RESERVE DRAWING LIST		
DRAWING NO.	DRAWING TITLE	REVISION
4672500-AL-R-000	TITLE PAGE AND DRAWING INDEX	A
4672500-AL-R-001	EXISTING PLANTING	A
4672500-AL-R-002	TREE PLANTING ZONES	A
4672500-AL-R-003	LOT BOUNDARY CROSS SECTIONS	A
4672500-AL-R-004	SITE WIDE CROSS SECTION	A
4672500-AL-R-005	SHADOW STUDY WINTER SOLSTICE 8am	A
4672500-AL-R-006	SHADOW STUDY WINTER SOLSTICE 10am	A
4672500-AL-R-007	SHADOW STUDY WINTER SOLSTICE 12pm	A
4672500-AL-R-008	SHADOW STUDY WINTER SOLSTICE 2pm	A
4672500-AL-R-009	SHADOW STUDY WINTER SOLSTICE 4pm	A
4672500-AL-R-010	SHADOW STUDY WINTER SOLSTICE 6pm	A
4672500-AL-R-011	SHADOW STUDY SUMMER SOLSTICE 8am	A
4672500-AL-R-012	SHADOW STUDY SUMMER SOLSTICE 10am	A
4672500-AL-R-013	SHADOW STUDY SUMMER SOLSTICE 12pm	A
4672500-AL-R-014	SHADOW STUDY SUMMER SOLSTICE 2pm	A
4672500-AL-R-015	SHADOW STUDY SUMMER SOLSTICE 4pm	A
4672500-AL-R-016	SHADOW STUDY SUMMER SOLSTICE 6pm	A
4672500-AL-R-017	INDICATIVE TREE PLANTING PLAN	A
4672500-AL-R-018	INDICATIVE TREE PLANTING PERSPECTIVE RENDERS	A
4672500-AL-R-019	TREE PLANTING GUIDELINES	A



LANDSCAPE ARCHITECTURE

Project No 4672500

CHRISTCHURCH CITY COUNCIL
URBAN FOREST TREE
PLANTING PLANS

FOR CONSULTATION
RIDDER
RESERVE

Prepared for

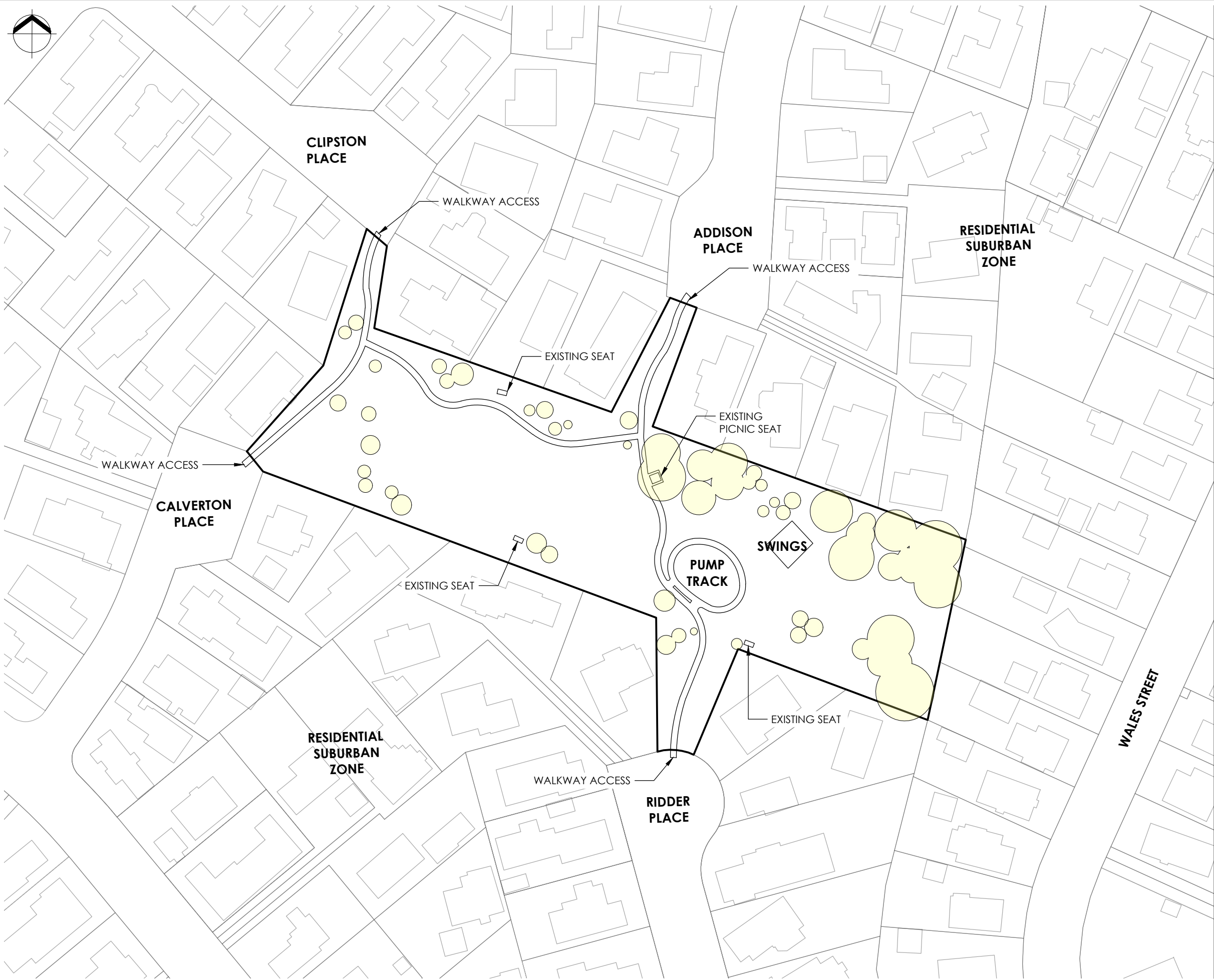


Beca

28th FEBRUARY 2025



Drawing No.	4672500-AL-R-000	A
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- LEGEND:**
- PARK BOUNDARY
 - EXISTING TREES/VEGETATION
 - EXISTING FOOTPATH
 - EXISTING RESERVE AREA 9,562M²

No.	Revision	By	Chk	Appd	Date
A	CONSULTATION	RK	JB	GW	28.02.25

Original Scale (A3)	Design	J BYRNE	28.02.25	Approved For Construction*
1:1000	Drawn	R KIRKWOOD	28.02.25	
	Dsg Verifier	G WOOLFORD	28.02.25	
	Drg Check	J BYRNE	28.02.25	Date
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Project: URBAN FOREST TREE PLANTING PLAN

Title: RIDDER RESERVE EXISTING PLANTING

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-001
Rev.	A

FOR CONSULTATION



NOTES:

- 1. FOR SECTIONS AA-FF, REFER TO SHEET R-003 & R-004

LEGEND:

- PARK BOUNDARY
- EXISTING TREES/VEGETATION
- EXISTING FOOTPATH
- EXISTING RESERVE AREA 9,562M²

POTENTIAL TREE PLANTING AREAS:

- 5m-10m TREE HEIGHT ZONES
- 10m-20m TREE HEIGHT ZONES
- 20m+ TREE HEIGHT ZONES

FOR CONSULTATION

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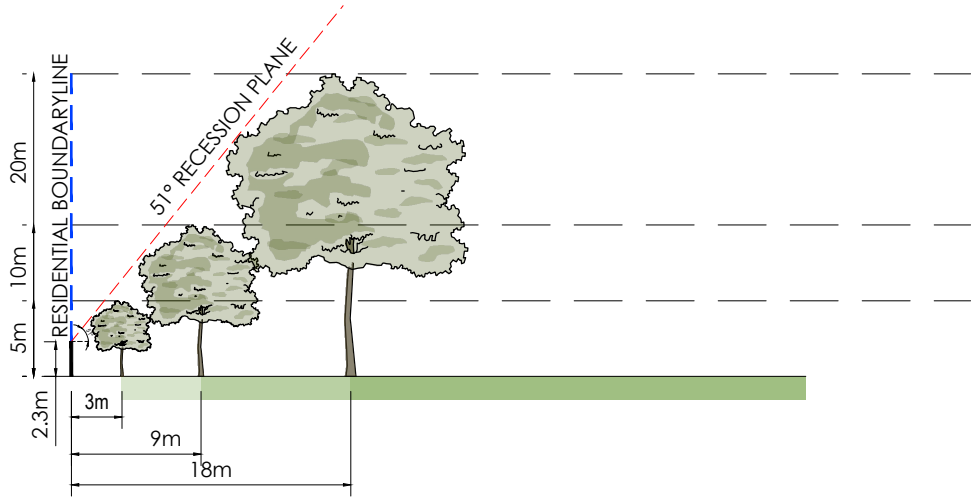


Project: URBAN FOREST TREE PLANTING PLAN

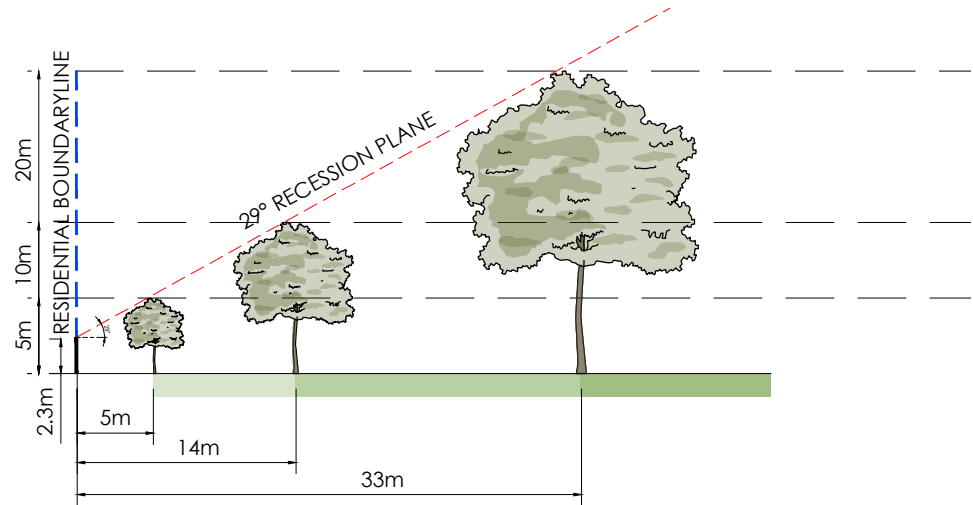
Title: RIDDER RESERVE TREE PLANTING ZONES

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-002
Rev.	A

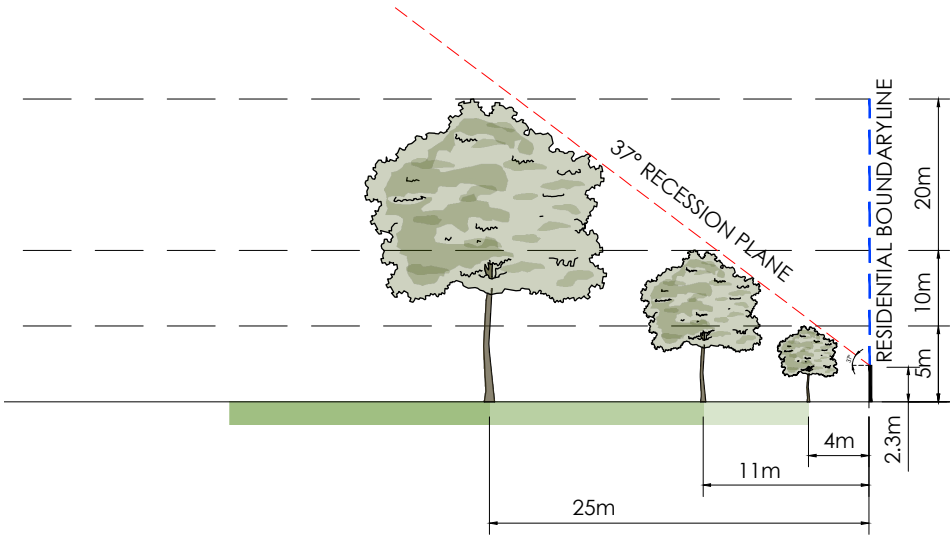
INDICATIVE BOUNDARY CROSS SECTIONS - POTENTIAL TREE PLANTING ZONES



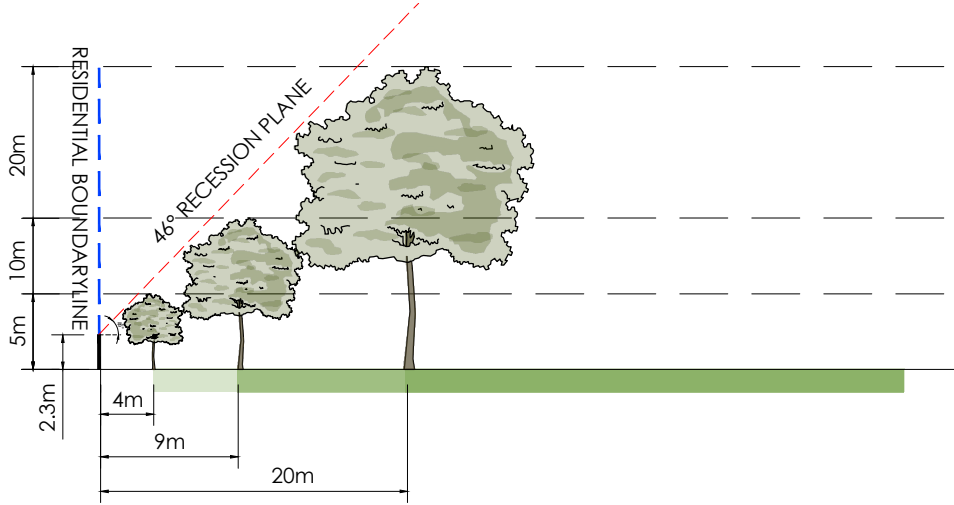
CROSS SECTION AA



CROSS SECTION CC



CROSS SECTION BB



CROSS SECTION DD

LEGEND

- PROPOSED TREE
- EXISTING TREE
- RECESSION PLANE ANGLE
- BOUNDARY LINE
- 2.3m HEIGHT OF MEASURE POINT OF RECESSION PLANE

POTENTIAL TREE PLANTING AREAS:

- 5m-10m TREE HEIGHT ZONES
- 10m-20m TREE HEIGHT ZONES
- 20m+ TREE HEIGHT ZONES

FOR CONSULTATION

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URBAN FOREST
TREE PLANTING
PLAN

RIDDER RESERVE
LOT BOUNDARY
CROSS SECTION

Discipline
LANDSCAPE
Drawing No.
4672500-AL-R-003
Rev.
A

LEGEND



PROPOSED TREE



EXISTING TREE



RECESSION PLANE ANGLE



BOUNDARY LINE



2.3m HEIGHT OF MEASURE POINT OF RECESSION PLANE

POTENTIAL TREE PLANTING AREAS:



5m-10m TREE HEIGHT ZONES

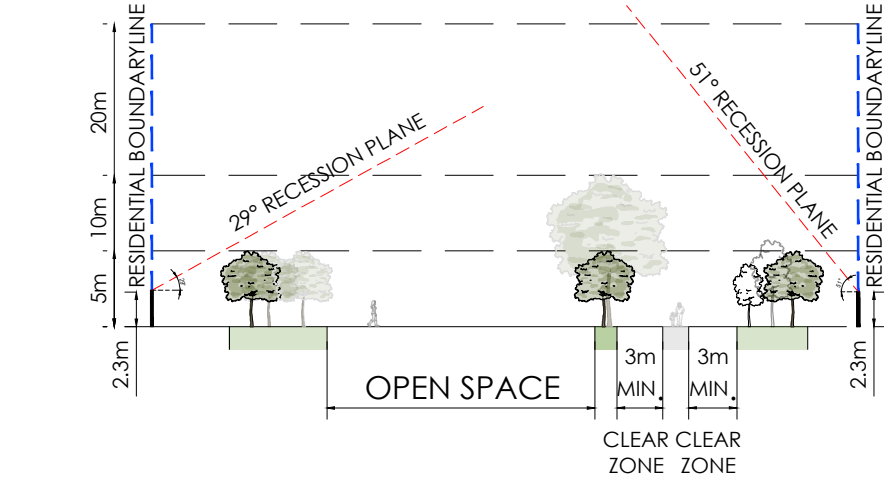


10m-20m TREE HEIGHT ZONES

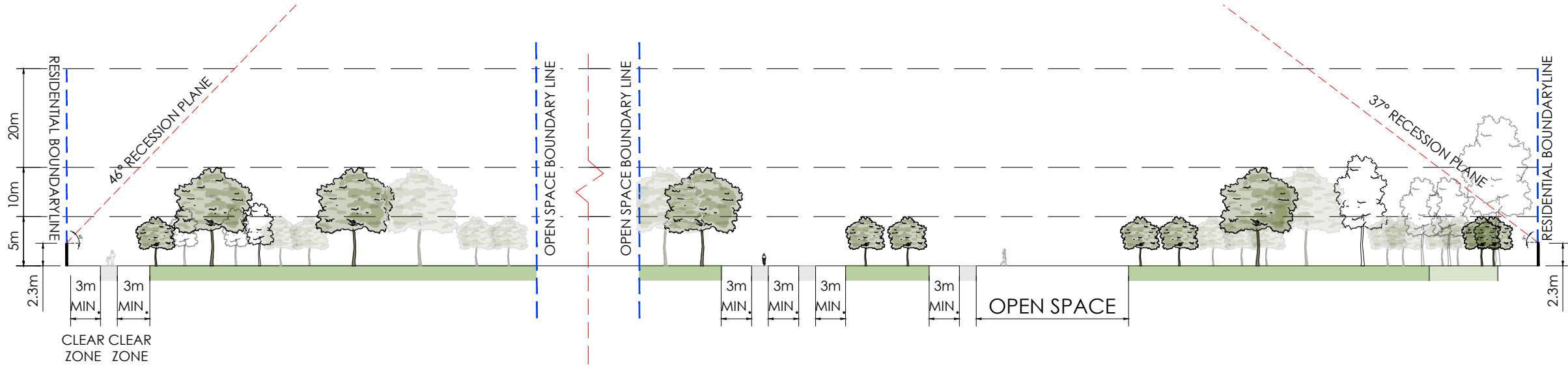


20m+ TREE HEIGHT ZONES

CROSS SECTIONS - PROPOSED TREE PLANTING



CROSS SECTION EE



CROSS SECTION FF

No.	Revision	By	Chk	Appd	Date
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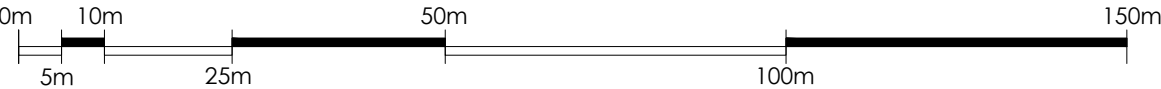
Project: URBAN FOREST TREE PLANTING PLAN

Title: RIDDER RESERVE SITE WIDE CROSS SECTION

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-004
Rev.	A

FOR CONSULTATION

WINTER SOLSTICE
DATE: 21ST JUNE
8AM



A	CONSULTATION	RK	JB	GW	28.02.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3)	Design	J BYRNE	28.02.25	Approved For Construction*
NTS	Drawn	R KIRKWOOD	28.02.25	
	Dsg Verifier	G WOOLFORD	28.02.25	
	Drg Check	J BYRNE	28.02.25	
* Refer to Revision 1 for Original Signature				Date



Project:
URBAN FOREST
TREE PLANTING
PLAN

Title:
RIDDER RESERVE
SHADOW STUDY
WINTER SOLSTICE 8AM

Discipline	LANDSCAPE	
Drawing No.	4672500-AL-R-005	Rev. A

NOTES:

- TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:



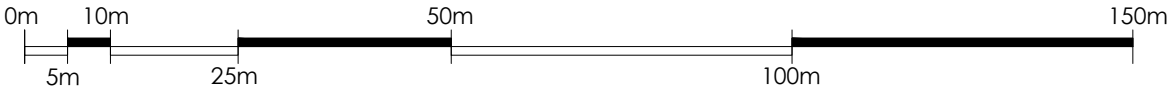
POTENTIAL TREE WITH SHADOW



PARK BOUNDARY

FOR CONSULTATION

WINTER SOLSTICE
DATE: 21ST JUNE
10AM



A	CONSULTATION	RK	JB	GW	28.02.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3) NTS	Design	J BYRNE	28.02.25	Approved For Construction*
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	Dsg Verifier	G WOOLFORD	28.02.25	
	Drg Check	J BYRNE	28.02.25	Date
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Project: URBAN FOREST
TREE PLANTING
PLAN

Title: RIDDER RESERVE
SHADOW STUDY
WINTER SOLSTICE 10AM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-006
Rev.	A

NOTES:

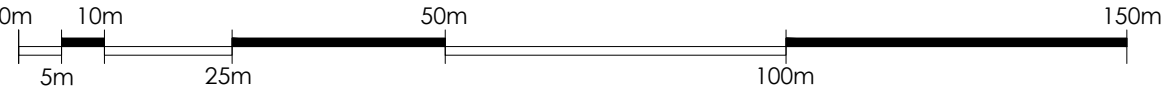
1. TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

-  POTENTIAL TREE WITH SHADOW
-  PARK BOUNDARY

FOR CONSULTATION

WINTER SOLSTICE
DATE: 21ST JUNE
12 NOON



A	CONSULTATION	RK	JB	GW	28.02.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3)	Design	J BYRNE	28.02.25	Approved For Construction*
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	Dsg Verifier	G WOOLFORD	28.02.25	
	NTS	Drg Check	J BYRNE	28.02.25
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Project: URBAN FOREST
TREE PLANTING
PLAN

Title: RIDDER RESERVE
SHADOW STUDY
WINTER SOLSTICE 12PM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-007
Rev.	A

NOTES:

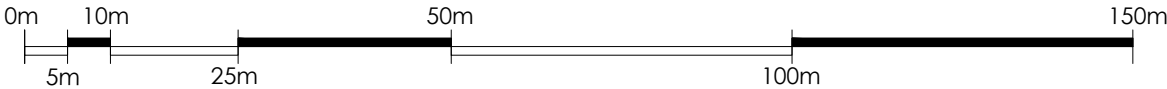
- TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

-  POTENTIAL TREE WITH SHADOW
-  PARK BOUNDARY

FOR CONSULTATION

WINTER SOLSTICE
DATE: 21ST JUNE
2PM



A	CONSULTATION	RK	JB	GW	28.02.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3)	Design	J BYRNE	28.02.25	Approved For Construction*
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	Dsg Verifier	G WOOLFORD	28.02.25	
	NTS	Drg Check	J BYRNE	28.02.25
* Refer to Revision 1 for Original Signature				



Project: URBAN FOREST
TREE PLANTING
PLAN

Title: RIDDER RESERVE
SHADOW STUDY
WINTER SOLSTICE 2PM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-008
Rev.	A

NOTES:

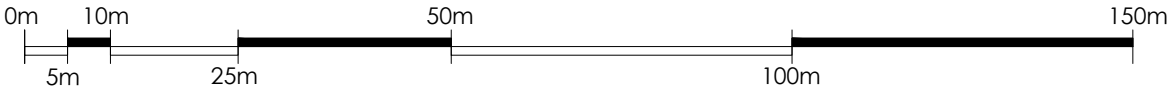
1. TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

-  POTENTIAL TREE WITH SHADOW
-  PARK BOUNDARY

FOR CONSULTATION

WINTER SOLSTICE
DATE: 21ST JUNE
4PM



A	CONSULTATION	RK	JB	GW	28.02.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3)	Design	J BYRNE	28.02.25	Approved For Construction*
	Drawn	R KIRKWOOD	28.02.25	
	Dsg Verifier	G WOOLFORD	28.02.25	
	NTS	Drg Check	J BYRNE	28.02.25
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Project: URBAN FOREST TREE PLANTING PLAN

Title: RIDDER RESERVE SHADOW STUDY WINTER SOLSTICE 4PM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-009
Rev.	A

NOTES:

1. TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

- POTENTIAL TREE WITH SHADOW
- PARK BOUNDARY

FOR CONSULTATION

WINTER SOLSTICE
DATE: 21ST JUNE
6PM



NOTES:

1. TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

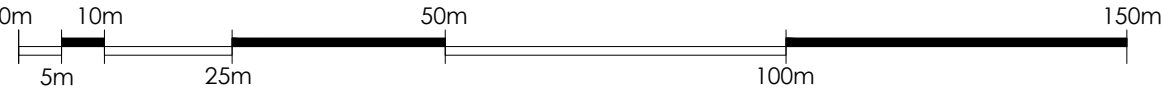
LEGEND:



POTENTIAL TREE WITH SHADOW



PARK BOUNDARY



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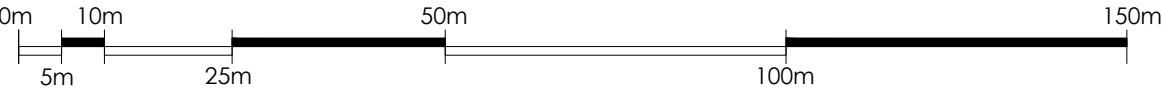
Project:
URBAN FOREST
TREE PLANTING
PLAN

Title:
RIDDER RESERVE
SHADOW STUDY
WINTER SOLSTICE 6PM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-010
Rev.	A

FOR CONSULTATION

SUMMER SOLSTICE
DATE: 21ST DECEMBER
8AM



A	CONSULTATION	RK	JB	GW	28.02.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3)	Design	J BYRNE	28.02.25	Approved For Construction*
	Drawn	R KIRKWOOD	28.02.25	
	Dsg Verifier	G WOOLFORD	28.02.25	
	Drg Check	J BYRNE	28.02.25	
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Project:
URBAN FOREST
TREE PLANTING
PLAN

Title:
RIDDER RESERVE
SHADOW STUDY
SUMMER SOLSTICE 8AM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-011
Rev.	A

NOTES:

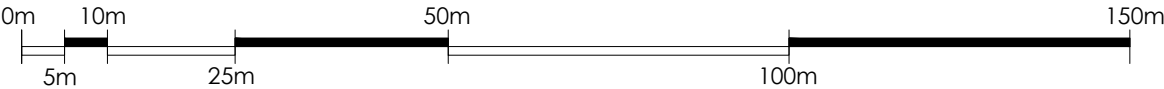
1. TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

-  POTENTIAL TREE WITH SHADOW
-  PARK BOUNDARY

FOR CONSULTATION

SUMMER SOLSTICE
DATE: 21ST DECEMBER
10AM



A	CONSULTATION	RK	JB	GW	28.02.25
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Original Scale (A3)	Design	J BYRNE	28.02.25	Approved For Construction*
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Project: URBAN FOREST
TREE PLANTING
PLAN

Title: RIDDER RESERVE
SHADOW STUDY
SUMMER SOLSTICE 10AM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-012
Rev.	A

NOTES:

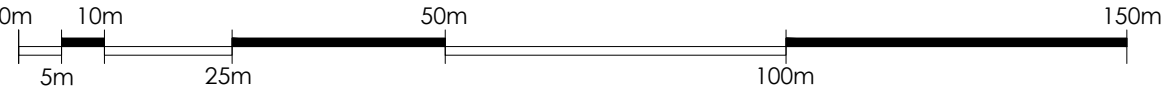
1. TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

-  POTENTIAL TREE WITH SHADOW
-  PARK BOUNDARY

FOR CONSULTATION

SUMMER SOLSTICE
DATE: 21ST DECEMBER
12PM



A	CONSULTATION	RK	JB	GW	28.02.25
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Project: URBAN FOREST
TREE PLANTING
PLAN

Title: RIDDER RESERVE
SHADOW STUDY
SUMMER SOLSTICE 12PM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-013
Rev.	A

NOTES:

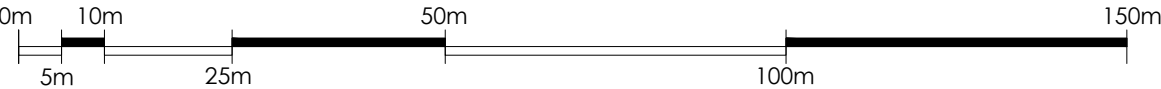
- TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

- POTENTIAL TREE WITH SHADOW
- PARK BOUNDARY

FOR CONSULTATION

SUMMER SOLSTICE
DATE: 21ST DECEMBER
2PM



A	CONSULTATION	RK	JB	GW	28.02.25
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Project: URBAN FOREST
TREE PLANTING
PLAN

Title: RIDDER RESERVE
SHADOW STUDY
SUMMER SOLSTICE 2PM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-014
Rev.	A

NOTES:

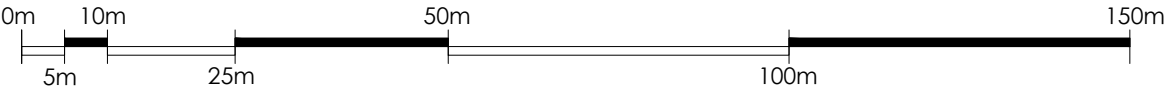
1. TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

- POTENTIAL TREE WITH SHADOW
- PARK BOUNDARY

FOR CONSULTATION

SUMMER SOLSTICE
DATE: 21ST DECEMBER
4PM



A	CONSULTATION	RK	JB	GW	28.02.25
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Project: URBAN FOREST
TREE PLANTING
PLAN

Title: RIDDER RESERVE
SHADOW STUDY
SUMMER SOLSTICE 4PM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-015
Rev.	A

NOTES:

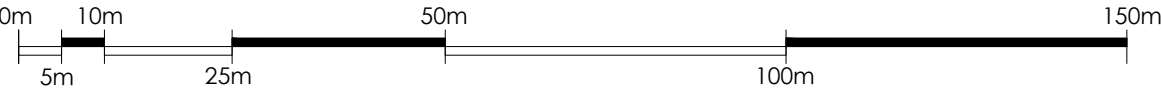
1. TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

- POTENTIAL TREE WITH SHADOW
- PARK BOUNDARY

FOR CONSULTATION

SUMMER SOLSTICE
DATE: 21ST DECEMBER
6PM



A	CONSULTATION	RK	JB	GW	28.02.25
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Project: URBAN FOREST
TREE PLANTING
PLAN

Title: RIDDER RESERVE
SHADOW STUDY
SUMMER SOLSTICE 6PM

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-016
Rev.	A

NOTES:

1. TREES IN THE MODEL ARE SHOWN AT 5m, 10m & 20m+.

LEGEND:

- POTENTIAL TREE WITH SHADOW
- PARK BOUNDARY

FOR CONSULTATION



LEGEND:

- EXISTING TREES/VEGETATION
- EXISTING FOOTPATH
- PARK BOUNDARY
- EXISTING RESERVE AREA 9,562M²

POTENTIAL TREE PLANTING AREAS:

- 5m-10m TREE HEIGHT ZONES
- 10m-20m TREE HEIGHT ZONES
- 20m+ TREE HEIGHT ZONES

PROPOSED TREES:

- SMALL TREE 5-10m
- MEDIUM TREE 10-15m

PLANT SCHEDULE			
ID	QTY	TREE CATEGORY	TREE HEIGHT
SMALL	74	SMALL TREE	5-10m HEIGHT
MEDIUM	15	MEDIUM TREE	11-15m HEIGHT

PARK CANOPY COVER SUMMARY - RIDDER PARK		
EXISTING NUMBER OF TREES	APPROXIMATELY	71
EXISTING CANOPY COVER	APPROXIMATELY	19.5%
PROPOSED NUMBER OF NEW TREES		89
PROPOSED NET CANOPY COVER (EXISTING VEGETATION AND PROPOSED)	APPROXIMATELY	39%

FOR CONSULTATION

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Project: URBAN FOREST TREE PLANTING PLAN

Title: RIDDER RESERVE INDICATIVE TREE PLANTING PLAN

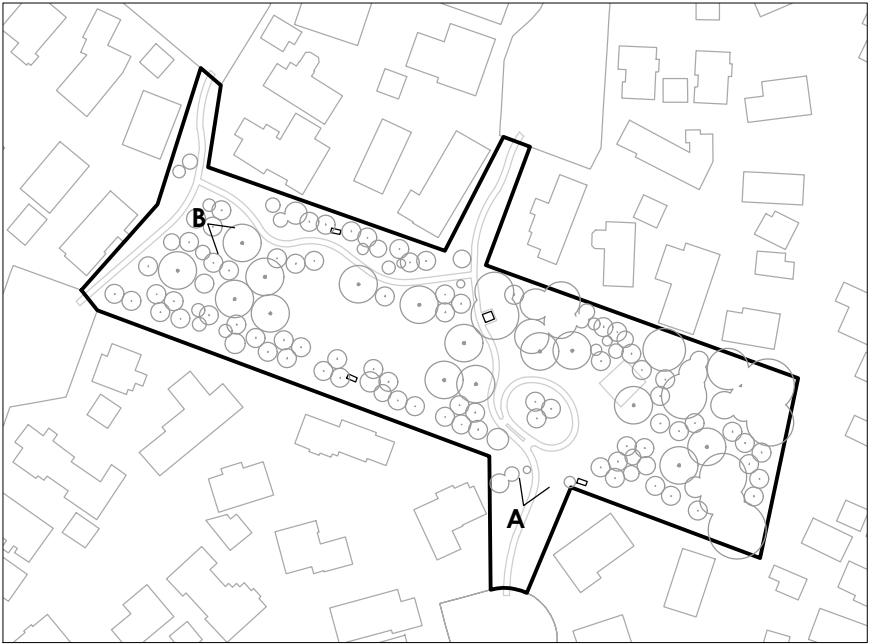
Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-017
Rev.	A



PERSPECTIVE A - VIEW FROM RIDDER PLACE
ENTRANCE LOOKING TOWARDS PUMP TRACK &
SWINGS
NOT TO SCALE



PERSPECTIVE B - VIEW FROM CLIPSTON PLACE
ENTRANCE LOOKING TOWARDS OPEN AREA
NOT TO SCALE



VIEWPOINT LOCATION PLAN
NOT TO SCALE

FOR CONSULTATION

A	CONSULTATION	RK	JB	GW	28.02.25
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Project:
**URBAN FOREST
TREE PLANTING
PLAN**

Title:
**RIDDER RESERVE
INDICATIVE TREE
PERSPECTIVE RENDERS**

Discipline	LANDSCAPE
Drawing No.	4672500-AL-R-018
Rev.	A

LEGEND

-  PROPOSED TREE
-  RECESSION PLANE ANGLE
-  BOUNDARY LINE
- 2.3m HEIGHT OF MEASURE POINT OF RECESSION PLANE

POTENTIAL TREE PLANTING AREAS:

-  5m-10m TREE HEIGHT ZONES
-  10m-20m TREE HEIGHT ZONES
-  20m+ TREE HEIGHT ZONES

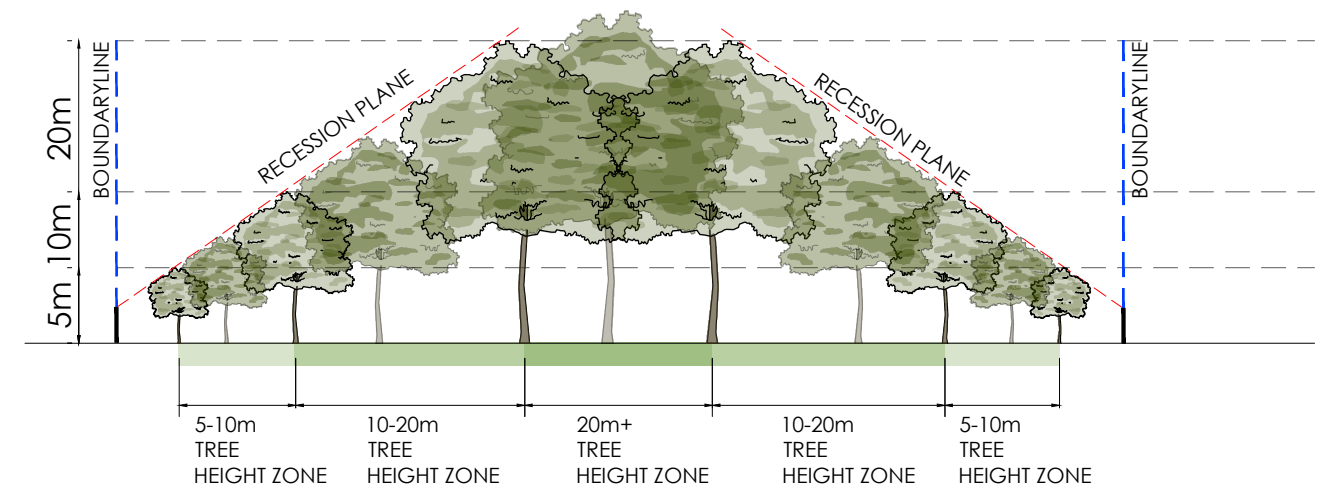
GUIDELINE SUMMARY:

- TREE PLANTING TO SPECIAL CHARACTER PARKS WILL CONTINUE THE ESTABLISHED THEME.
- TREES WILL BE POSITIONED APPROPRIATELY TO ALLOW FOR MANAGEMENT OF DEBRIS/LEAF LITTER.
- PLANTING ALONG WATERWAYS WILL BE PREDOMINANTLY NATIVE SPECIES.
- CHRISTCHURCH CITY COUNCIL WILL AIM FOR 40-60% OF NEW TREE PLANTINGS AS NATIVES.

TREE SETBACKS AND SPACINGS:

- NO TREE SHALL INTRUDE THROUGH THE RECESSION PLANE.
- NO TREE SHALL BE PLANTED CLOSER THAN 3.0m FROM A PATHWAY.
- NO TREE SHALL BE PLANTED CLOSER THAN 5.0m FROM A SPORTS FIELD AND NO TREE CANOPY DRIP. LINE SHALL EXTEND ABOVE A SPORTS FIELD.
- TREE SPACINGS SHALL BE A MINIMUM OF 5.0m APART TO ALLOW FOR EASY LAWN MOWING.
- MIN. 2m OFFSET FOR LOW VOLTAGE POWER.
- MIN. 3m OFFSET FOR 11kv POWER.
- MIN. 5m OFFSET FOR 33-66kv.
- MIN. 1m OFFSET FOR ALL OTHER SERVICES AND HARD PAVING NOT MENTIONED ABOVE.

TYPICAL TREE PLANTING PATTERN



FOR CONSULTATION

A	CONSULTATION	RK	JB	GW	28.02.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3)	Design	J BYRNE	28.02.25	Approved For Construction*
	Drawn	R KIRKWOOD	28.02.25	
	Dsg Verifier	G WOOLFORD	28.02.25	
	Drg Check	J BYRNE	28.02.25	
	* Refer to Revision 1 for Original Signature			Date



Project: URBAN FOREST TREE PLANTING PLAN

Title: RIDDER RESERVE TREE PLANTING GUIDELINES

Discipline		LANDSCAPE
Drawing No.	4672500-AL-R-019	Rev. A