



LANDSCAPE ARCHITECTURE

Project No 4672500

CHRISTCHURCH CITY COUNCIL
URBAN FOREST TREE
PLANTING PLANS

FOR CONSULTATION
COLMAN
RESERVE

Prepared for



Beca

12 DECEMBER 2025

PARK DRAWING LIST		
DRAWING NO.	DRAWING TITLE	REVISION
4672500-AL-CM-000	TITLE PAGE AND DRAWING INDEX	A
4672500-AL-CM-001	EXISTING PLANTING	A
4672500-AL-CM-002	TREE PLANTING ZONES	A
4672500-AL-CM-003	LOT BOUNDARY CROSS SECTIONS	A
4672500-AL-CM-004	SITE CONCEPT PLAN	A
4672500-AL-CM005	INDICATIVE TREE PLANTING PLAN	A
4672500-AL-CM-006	SITE WIDE CROSS SECTION	A
4672500-AL-CM-007	TREE PLANTING GUIDELINES	A



Drawing No.	4672500-AL-CM-000	A
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- LEGEND:
- + EXISTING TREE LOCATION
 - EXISTING TREES/VEGETATION
 - EXISTING JUVENILE TREE WITH PREDICTED CANOPY
 - EXISTING FOOTPATH
 - OUTDOOR GYM EQUIPMENT
 - EXISTING RESERVE AREA 8,305 m²

FOR CONSULTATION

A	CONSULTATION	ZS	RK	GW	12.12.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3)	Design	Z SAHIB	12.12.25	Approved For Construction*
1:500	Drawn	Z SAHIB	12.12.25	
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	* Refer to Revision 1 for Original Signature			



Project: URBAN FOREST TREE PLANTING PLAN

Title: COLMAN RESERVE EXISTING PLANTING

Discipline	LANDSCAPE
Drawing No.	Beca Project Number:
4672500-AL-CM-001	Rev. A



NOTES:

1. OPEN SPACE TO BE RETAINED FOR INFORMAL RECREATION AND PICNICKERS

LEGEND:

- + EXISTING TREE LOCATION
- EXISTING TREES/VEGETATION
- EXISTING JUVENILE TREE WITH PREDICTED CANOPY
- EXISTING FOOTPATH
- OUTDOOR GYM EQUIPMENT
- EXISTING RESERVE AREA 8,305 m²

POTENTIAL TREE PLANTING AREAS:

- 5m-10m TREE HEIGHT ZONES
- 10m-15m TREE HEIGHT ZONES
- 15-20m TREE HEIGHT ZONES
- 20m+ TREE HEIGHT ZONES

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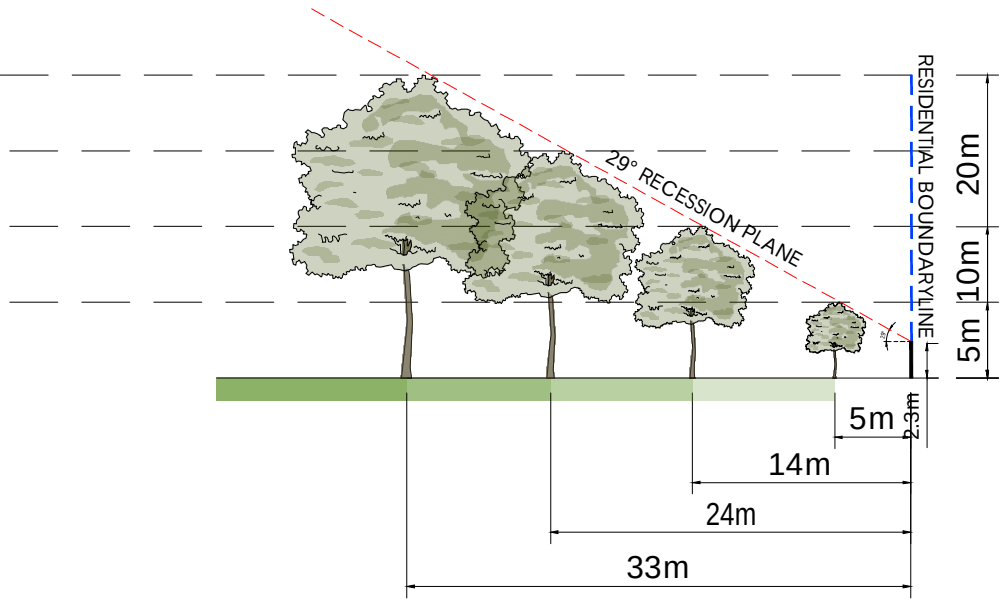


Project: URBAN FOREST TREE PLANTING PLAN

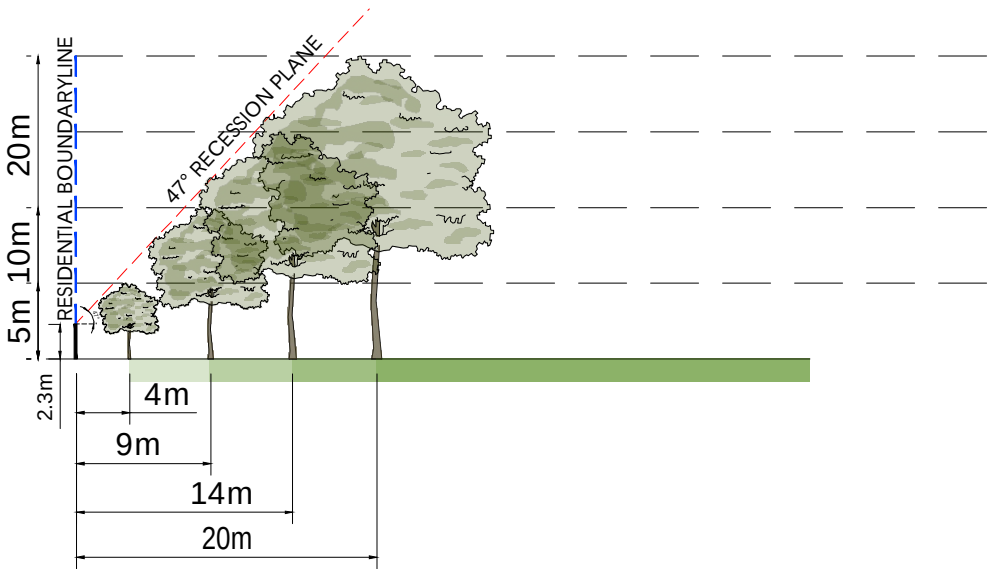
Title: COLMAN RESERVE TREE PLANTING ZONES

Discipline	LANDSCAPE
Drawing No.	Beca Project Number:
4672500-AL-CM-002	Rev. A

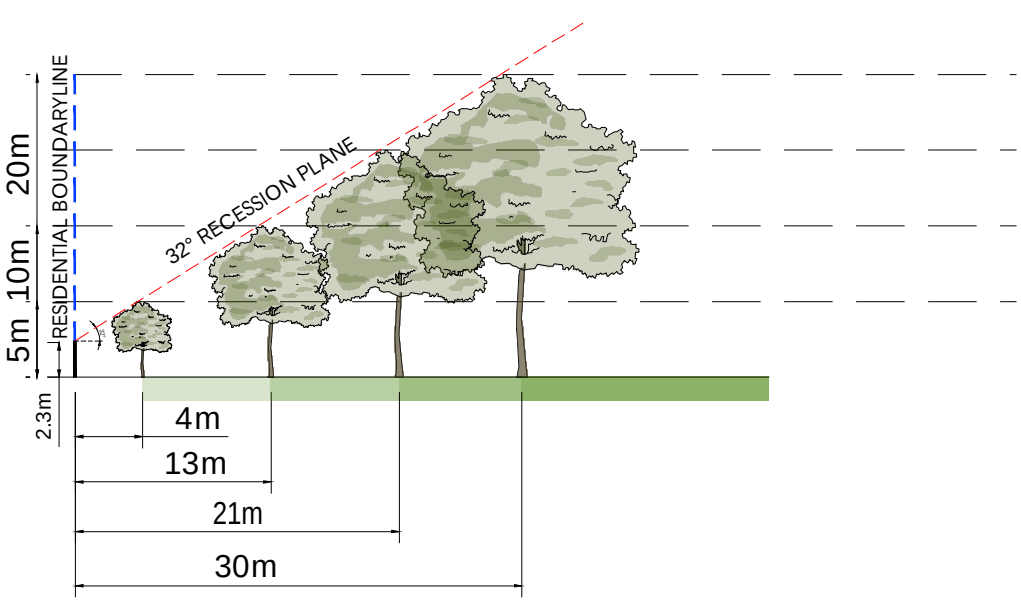
INDICATIVE BOUNDARY CROSS SECTIONS - POTENTIAL TREE PLANTING ZONES



CROSS SECTION AA



CROSS SECTION CC



CROSS SECTION BB

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-15m TREE HEIGHT ZONES

 15-20m TREE HEIGHT ZONES

 20m+ TREE HEIGHT ZONES

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Project: URBAN FOREST TREE PLANTING PLAN

Title: COLMAN RESERVE LOT BOUNDARY CROSS SECTIONS

Discipline	LANDSCAPE
Drawing No.	Beca Project Number:
4672500-AL-CM-003	Rev. A



NOTES:

1. OPEN SPACE TO BE RETAINED FOR INFORMAL RECREATION AND PICNICKERS

LEGEND:

- + EXISTING TREE LOCATION
- EXISTING TREES/VEGETATION
- EXISTING JUVENILE TREE WITH PREDICTED CANOPY
- EXISTING FOOTPATH
- OUTDOOR GYM EQUIPMENT
- EXISTING RESERVE AREA 8,305 m²

FOR CONSULTATION

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Project: URBAN FOREST TREE PLANTING PLAN

Title: COLMAN RESERVE PARK SITE CONCEPT PLAN

Discipline	LANDSCAPE
Drawing No.	Beca Project Number:
4672500-AL-CM-004	Rev. A



PLANT SCHEDULE			
ID	QTY	TREE CATEGORY	TREE HEIGHT
SMALL	7	SMALL TREE	5-10m
MEDIUM	7	MEDIUM TREE	11-15m
LARGE	5	LARGE TREE	16-20m
VERY LARGE	0	VERY LARGE TREE	20m+

PARK CANOPY COVER SUMMARY		
EXISTING NUMBER OF TREES	APPROXIMATELY	41
EXISTING CANOPY COVER	APPROXIMATELY	34%
PROPOSED NUMBER OF NEW TREES		19
PROPOSED NET CANOPY COVER (EXISTING VEGETATION AND PROPOSED)	APPROXIMATELY	46%

- NOTES:
- OPEN SPACE TO BE RETAINED FOR INFORMAL RECREATION AND PICNICKERS

- LEGEND:
- + EXISTING TREE LOCATION
 - EXISTING TREES/VEGETATION
 - EXISTING JUVENILE TREE WITH PREDICTED CANOPY
 - EXISTING FOOTPATH
 - OUTDOOR GYM EQUIPMENT
 - EXISTING RESERVE AREA 8,305 m²

- POTENTIAL TREE PLANTING AREAS:
- 5m-10m TREE HEIGHT ZONES
 - 10m-15m TREE HEIGHT ZONES
 - 15-20m TREE HEIGHT ZONES
 - 20m+ TREE HEIGHT ZONES

- PROPOSED TREES:
- SMALL TREE 5-10m
 - MEDIUM TREE 10-15m
 - LARGE TREE 15-20m

FOR CONSULTATION

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A	CONSULTATION	ZS	RK	GW	12.12.25

Original Scale (A3)	Design	Z SAHIB	12.12.25	Approved For Construction*
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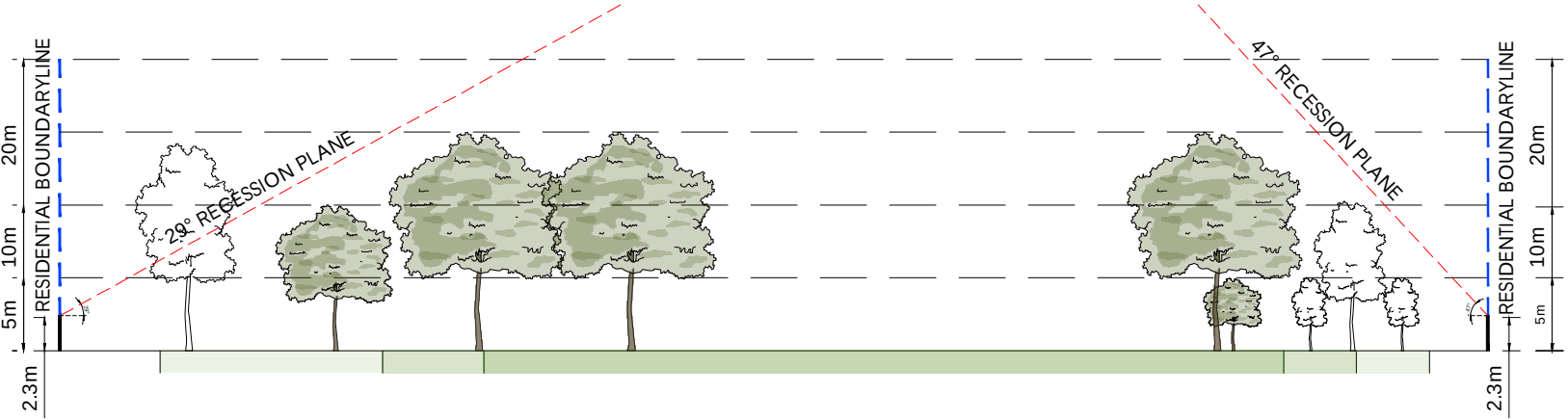


Project: URBAN FOREST TREE PLANTING PLAN

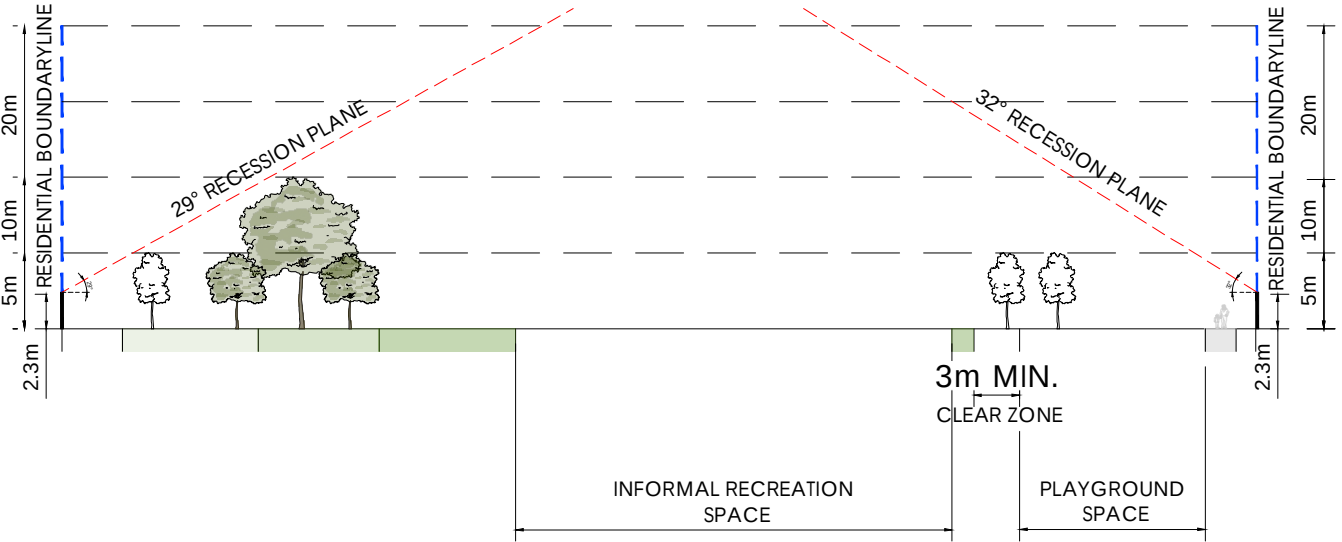
Title: COLMAN RESERVE INDICATIVE TREE PLANTING PLAN

Discipline	LANDSCAPE
Drawing No.	Beca Project Number:
4672500-AL-CM-005	Rev. A

CROSS SECTIONS - PROPOSED TREE PLANTING



CROSS SECTION 01



CROSS SECTION 02

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-15m TREE HEIGHT ZONES
- 15-20m TREE HEIGHT ZONES
- 20m+ TREE HEIGHT ZONES

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Project: URBAN FOREST TREE PLANTING PLAN

Title: COLMAN RESERVE SITE WIDE CROSS SECTIONS

Discipline	LANDSCAPE
Drawing No.	4672500-AL-CM-006
Beca Project Number:	
Rev.	A

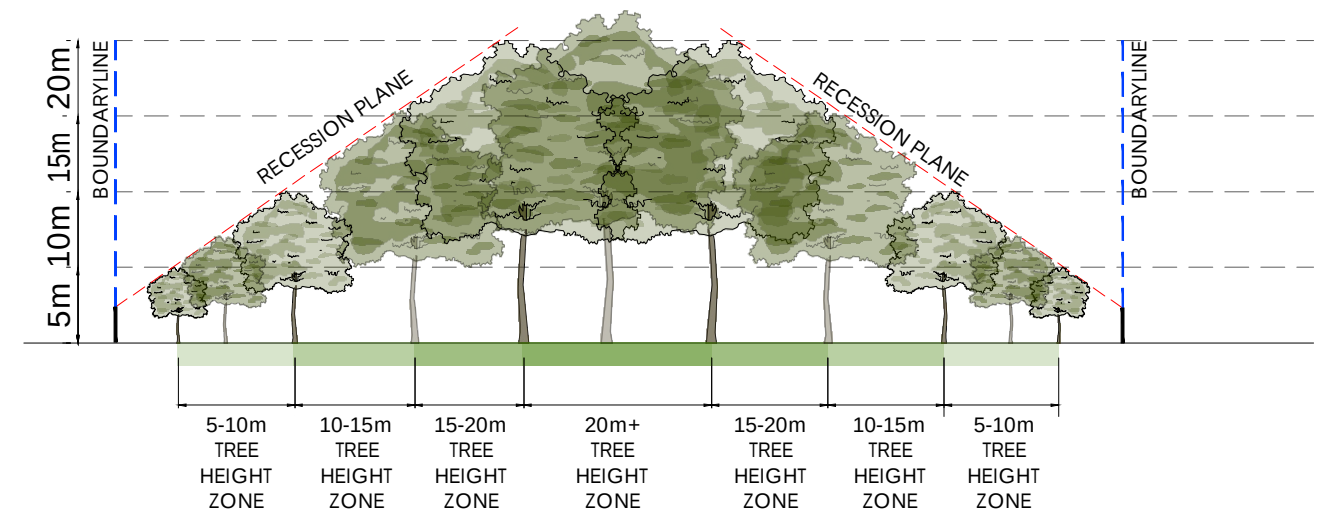
GUIDELINE SUMMARY:

- 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



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-15m TREE HEIGHT ZONES
-  15-20m TREE HEIGHT ZONES
-  20m+ TREE HEIGHT ZONES

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Project: URBAN FOREST TREE PLANTING PLAN

Title: COLMAN RESERVE TREE PLANTING GUIDELINES

Discipline	LANDSCAPE
Drawing No.	4672500-AL-CM-007
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