



LANDSCAPE ARCHITECTURE

Project No 4672500

CHRISTCHURCH CITY COUNCIL
URBAN FOREST TREE
PLANTING PLANS

FOR CONSULTATION
GRANT ARMSTRONG
PARK

Prepared for



Beca

29 AUGUST 2025

GRANT ARMSTRONG PARK DRAWING LIST		
DRAWING NO.	DRAWING TITLE	REVISION
4672500-AL-GA-000	TITLE PAGE AND DRAWING INDEX	A
4672500-AL-GA-001	EXISTING PLANTING	A
4672500-AL-GA-002	TREE PLANTING ZONES	A
4672500-AL-GA-003	LOT BOUNDARY CROSS SECTIONS	A
4672500-AL-GA-004	SITE CONCEPT PLAN	A
4672500-AL-GA-005	INDICATIVE TREE PLANTING PLAN	A
4672500-AL-GA-006	SITE WIDE CROSS SECTION	A
4672500-AL-GA-007	TREE PLANTING GUIDELINES	A





LEGEND:

- + EXISTING TREE LOCATION
- EXISTING TREES/VEGETATION
- EXISTING JUVENILE TREE WITH PREDICTED CANOPY
- EXISTING FOOTPATH
- OUTDOOR GYM EQUIPMENT
- EXISTING RESERVE AREA 29,274m²
- SPORTS FIELD EXTENTS

FOR CONSULTATION

No.	Revision	By	Chk	Appd	Date
A	CONSULTATION	RK	JB	GW	29.08.25

Original Scale (A3)	Design	R KIRKWOOD	29.08.25	Approved For Construction*
1:1250	Drawn	R KIRKWOOD	29.08.25	
	Dsg Verifier	G WOOLFORD	29.08.25	
	Drg Check	J BYRNE	29.08.25	Date
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Project: URBAN FOREST TREE PLANTING PLAN

Title: GRANT ARMSTRONG PARK EXISTING PLANTING

Discipline	LANDSCAPE
Drawing No.	Beca Project Number:
4672500-AL-GA-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 29,274m²
- SPORTS FIELD EXTENTS

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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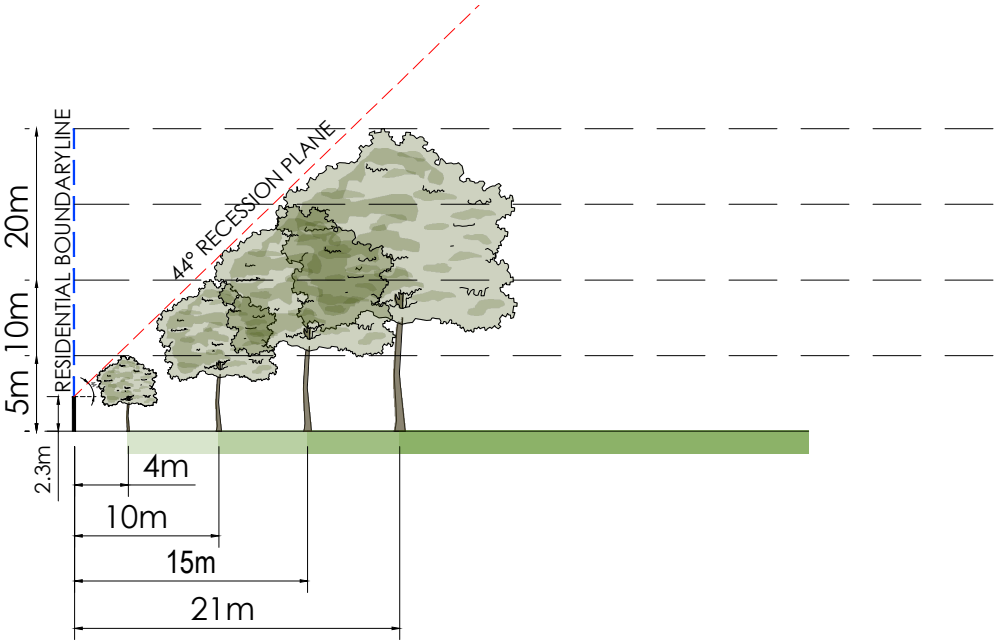


Project: URBAN FOREST TREE PLANTING PLAN

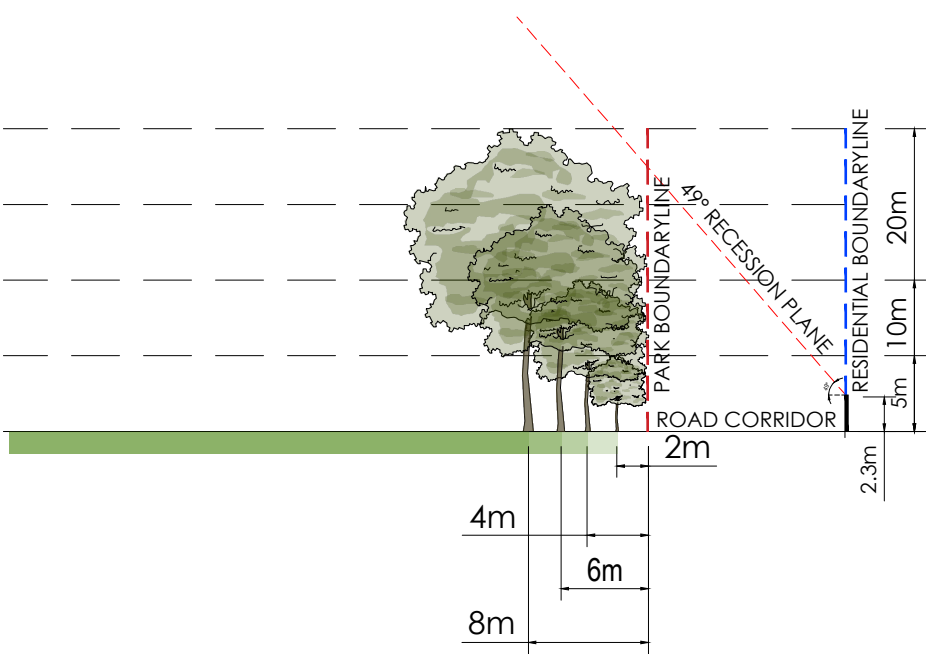
Title: GRANT ARMSTRONG PARK TREE PLANTING ZONES

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

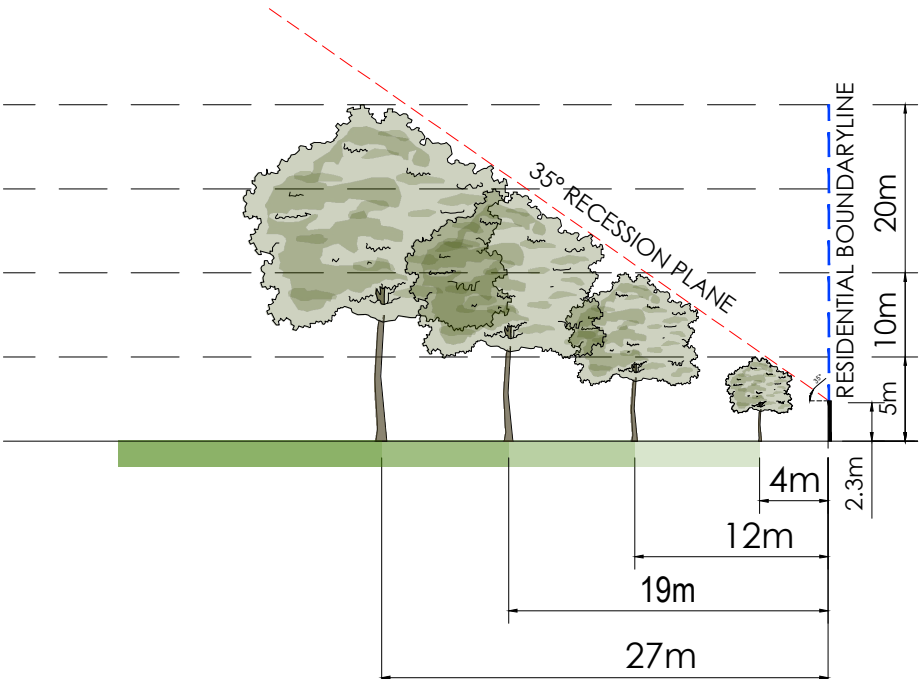
INDICATIVE BOUNDARY CROSS SECTIONS - POTENTIAL TREE PLANTING ZONES



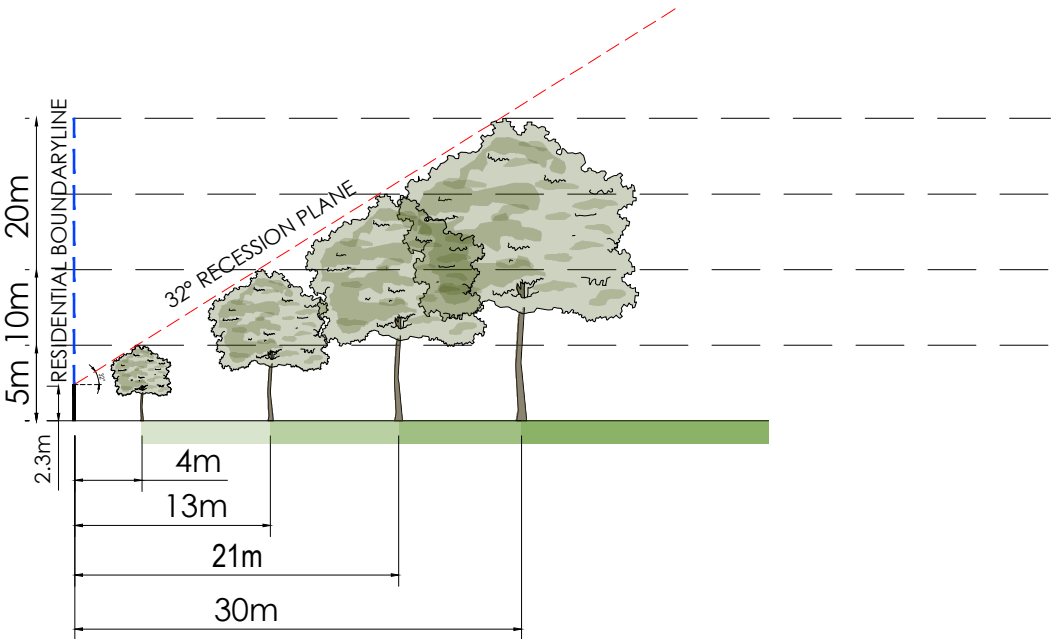
CROSS SECTION AA



CROSS SECTION BB



CROSS SECTION CC



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

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Beca

Christchurch City Council

URBAN FOREST TREE PLANTING PLAN

GRANT ARMSTRONG PARK LOT BOUNDARY CROSS SECTIONS

LANDSCAPE

4672500-AL-GA-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 29,274m²
- SPORTS FIELD EXTENTS

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Project: URBAN FOREST TREE PLANTING PLAN

Title: GRANT ARMSTRONG PARK SITE CONCEPT PLAN

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



PLANT SCHEDULE			
ID	QTY	TREE CATEGORY	TREE HEIGHT
SMALL	64	SMALL TREE	5-10m
MEDIUM	13	MEDIUM TREE	11-15m
LARGE	7	LARGE TREE	16-20m
VERY LARGE	4	VERY LARGE TREE	20m+

PARK CANOPY COVER SUMMARY		
EXISTING NUMBER OF TREES	APPROXIMATELY	165
EXISTING CANOPY COVER	APPROXIMATELY	19%
PROPOSED NUMBER OF NEW TREES		88
PROPOSED NET CANOPY COVER (EXISTING VEGETATION AND PROPOSED)	APPROXIMATELY	29%

NOTES:

- OPEN SPACE TO BE RETAINED FOR INFORMAL RECREATION AND PICNICKERS

LEGEND:

- + EXISTING TREE LOCATION
- EXISTING TREES/VEGETATION
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- EXISTING FOOTPATH
- OUTDOOR GYM EQUIPMENT
- EXISTING RESERVE AREA 29,274m²
- SPORTS FIELD EXTENTS

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
- EXTRA LARGE TREE 20m+

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Project: URBAN FOREST TREE PLANTING PLAN

Title: GRANT ARMSTRONG PARK INDICATIVE TREE PLANTING PLAN

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

CROSS SECTIONS - PROPOSED TREE PLANTING

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



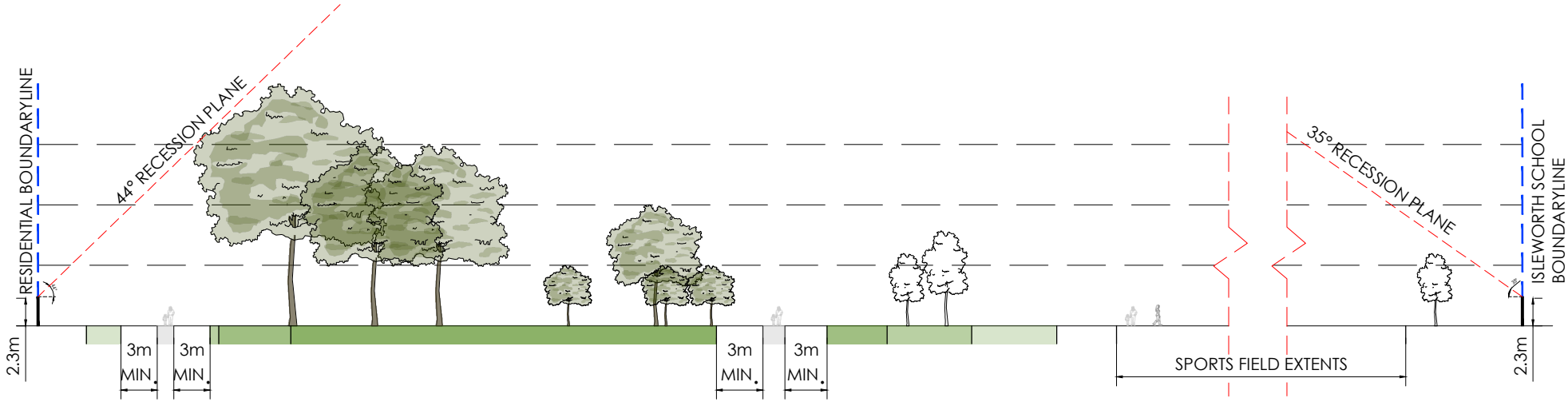
10m-15m
TREE HEIGHT ZONES



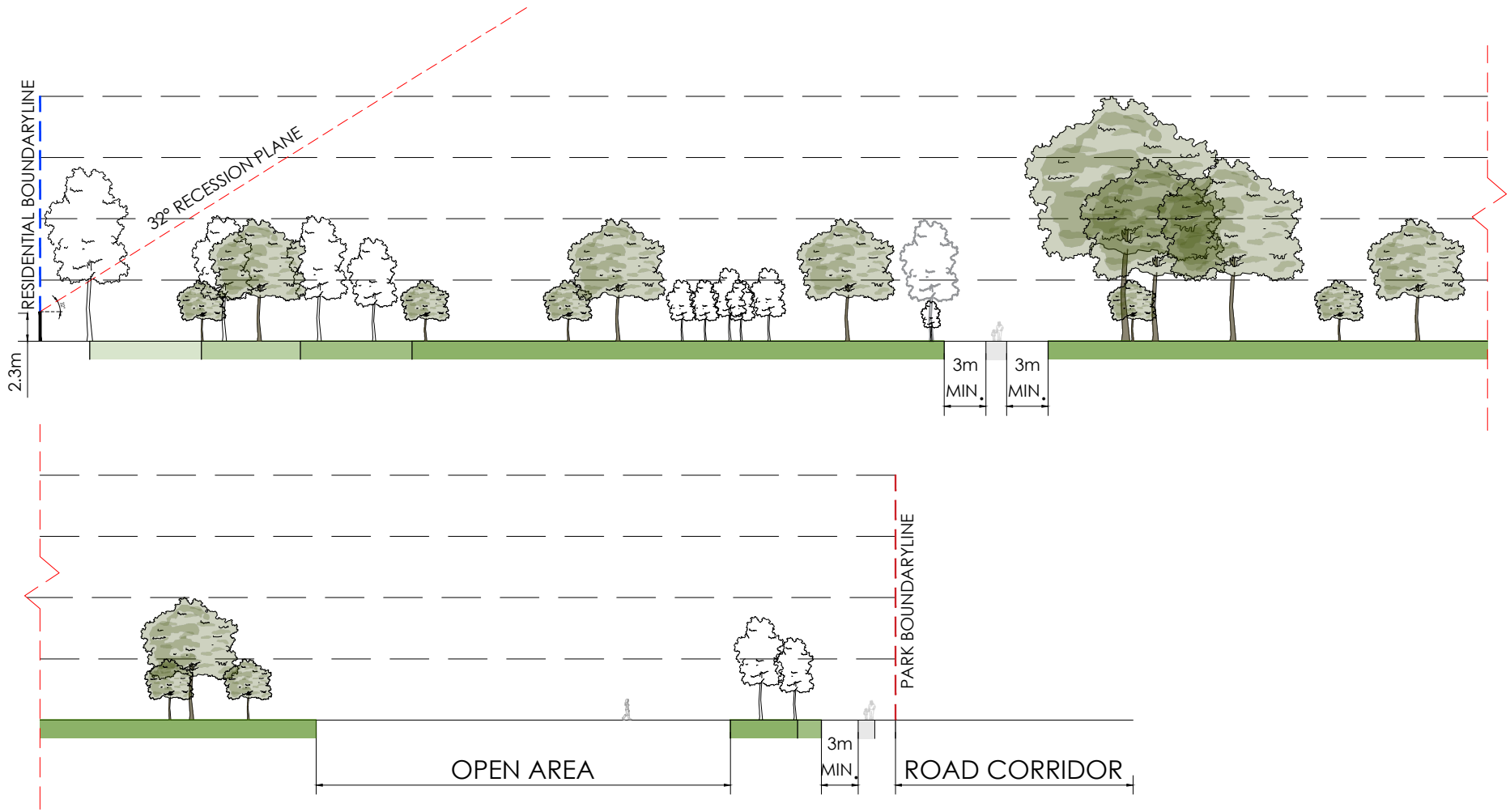
15-20m
TREE HEIGHT ZONES



20m+
TREE HEIGHT ZONES



CROSS SECTION 01



CROSS SECTION 02

FOR CONSULTATION

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Client: URBAN FOREST TREE PLANTING PLAN

Title: GRANT ARMSTRONG PARK SITE WIDE CROSS SECTIONS

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

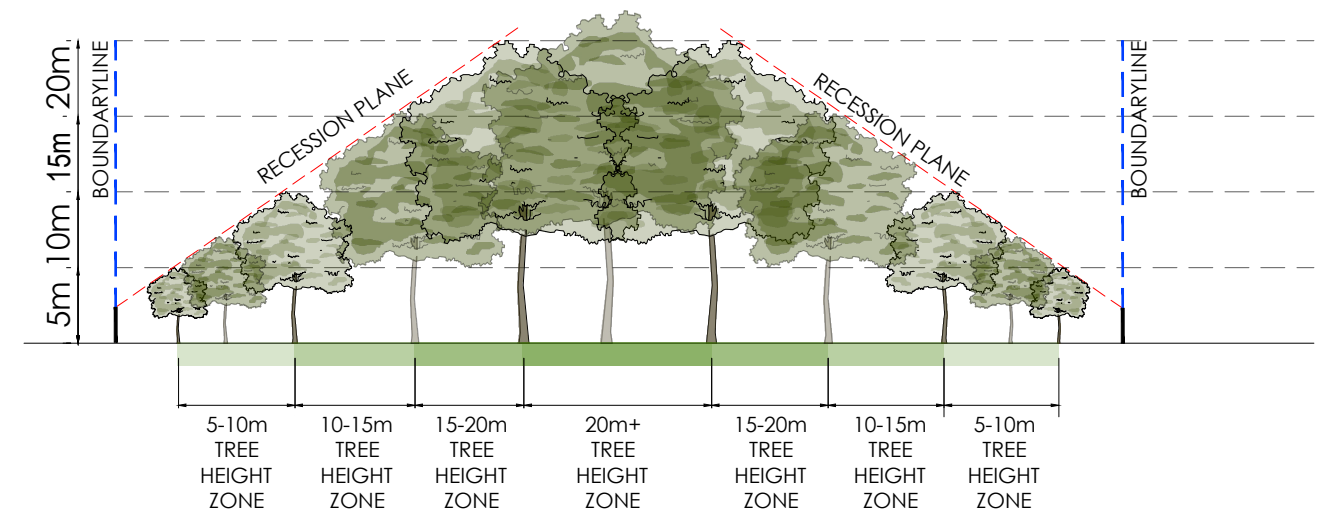
GUIDELINE SUMMARY:

- 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
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Project: URBAN FOREST TREE PLANTING PLAN

Title: GRANT ARMSTRONG PARK TREE PLANTING GUIDELINES

Discipline	LANDSCAPE
Drawing No.	4672500-AL-GA-007
Beca Project Number	
Rev.	A