



LANDSCAPE ARCHITECTURE

Project No 4672500

CHRISTCHURCH CITY COUNCIL
URBAN FOREST TREE
PLANTING PLANS

FOR CONSULTATION
MAHARS
PARK

Prepared for



Beca

OCTOBER 2025

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





- LEGEND:**
- + EXISTING TREE LOCATION
 - EXISTING TREES/VEGETATION
 - EXISTING JUVENILE TREE WITH PREDICTED CANOPY
 - EXISTING FOOTPATH
 - EXISTING PLAYGROUND
 - EXISTING RESERVE AREA 6,731m²

FOR CONSULTATION

A	CONSULTATION	RK	JB	GW	19/09/25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3)	Design	R KIRKWOOD	19/09/2025	Approved For Construction*
1:750m	Drawn	R KIRKWOOD	06/10/2025	
	Dsg Verifier	G WOOLFORD	19/09/2025	
	Drg Check	J BYRNE	19/09/2025	Date
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Project: URBAN FOREST TREE PLANTING PLAN

Title: MAHARS PARK EXISTING PLANTING

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



NOTES:

- 1. OPEN SPACE TO BE RETAINED FOR INFORMAL RECREATION ADJACENT TO PLAYGROUND EQUIPMENT

LEGEND:

- + EXISTING TREE LOCATION
- EXISTING TREES/VEGETATION
- EXISTING JUVENILE TREE WITH PREDICTED CANOPY
- EXISTING FOOTPATH
- EXISTING PLAYGROUND
- EXISTING RESERVE AREA 6,731m²

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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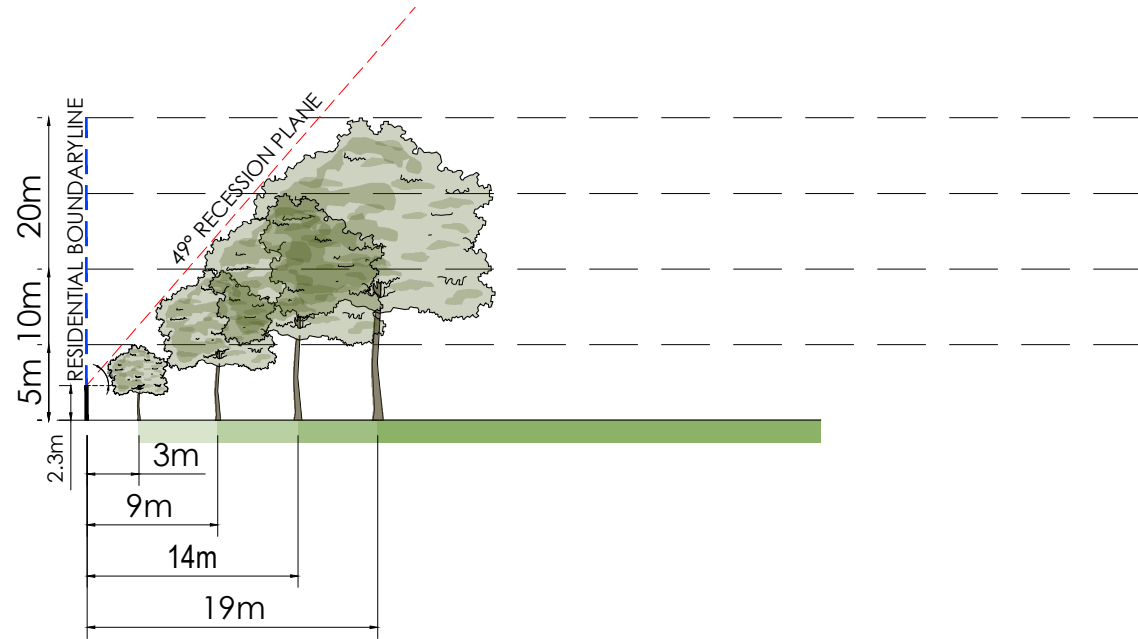


Project: URBAN FOREST TREE PLANTING PLAN

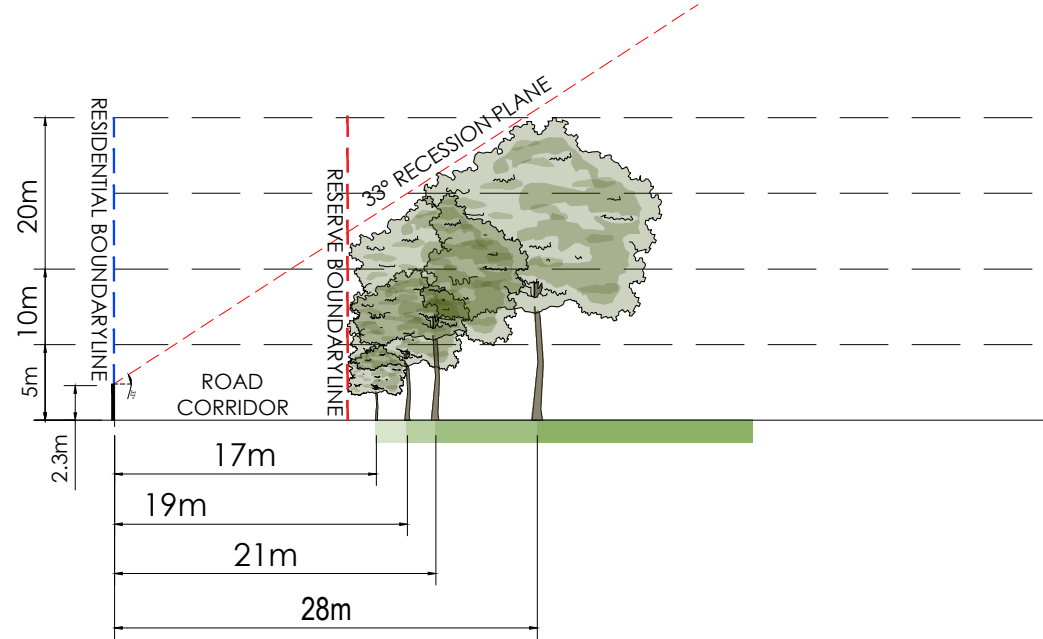
Title: MAHARS PARK TREE PLANTING ZONES

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

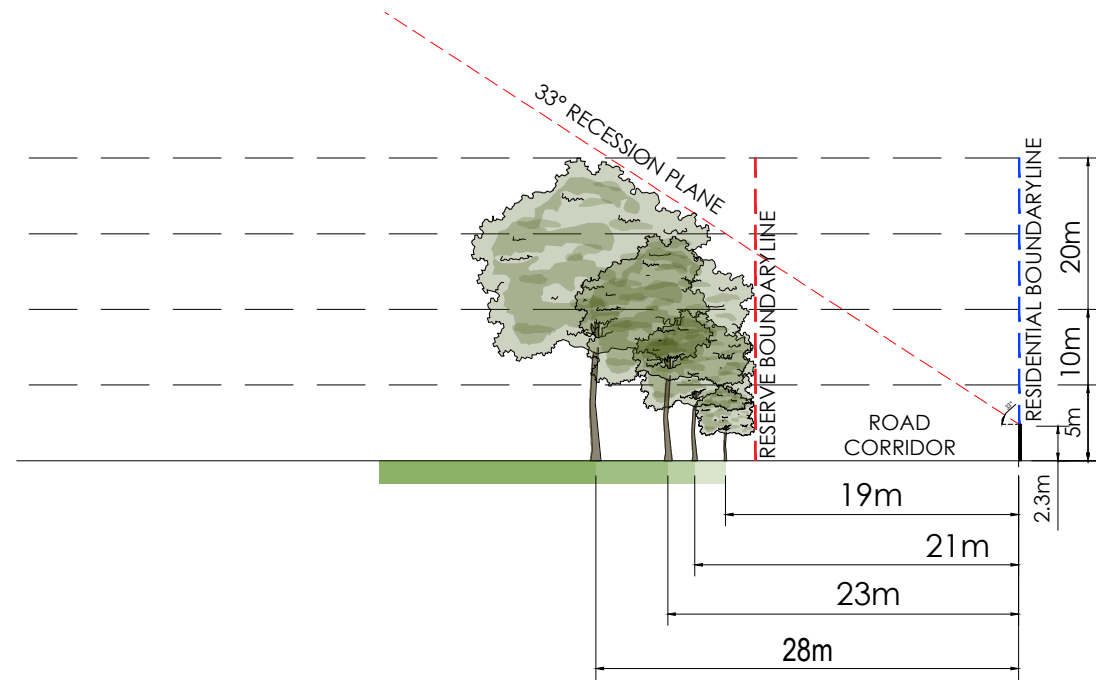
INDICATIVE BOUNDARY CROSS SECTIONS - POTENTIAL TREE PLANTING ZONES



CROSS SECTION AA



CROSS SECTION BB



CROSS SECTION CC

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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1:500	Drawn	R KIRKWOOD	06/10/2025	
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Project: URBAN FOREST TREE PLANTING PLAN

Title: MAHARS PARK LOT BOUNDARY CROSS SECTION

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



- LEGEND:**
- + EXISTING TREE LOCATION
 - EXISTING TREES/VEGETATION
 - EXISTING JUVENILE TREE WITH PREDICTED CANOPY
 - EXISTING FOOTPATH
 - EXISTING PLAYGROUND
 - EXISTING RESERVE AREA 6,731m²

FOR CONSULTATION

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No.	Revision	By	Chk	Appd	Date

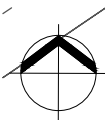
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Project: URBAN FOREST TREE PLANTING PLAN

Title: MAHARS PARK CONSULTATION PLAN

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



PLANT SCHEDULE			
ID	QTY	TREE CATEGORY	TREE HEIGHT
SMALL	10	SMALL TREE	5-10m
MEDIUM	6	MEDIUM TREE	11-15m
LARGE	2	LARGE TREE	16-20m
VERY LARGE	1	VERY LARGE TREE	20m+

PARK CANOPY COVER SUMMARY		
EXISTING NUMBER OF TREES	APPROXIMATELY	44
EXISTING CANOPY COVER	APPROXIMATELY	27.8 %
PROPOSED NUMBER OF NEW TREES		19
PROPOSED NET CANOPY COVER (EXISTING VEGETATION AND PROPOSED)	APPROXIMATELY	37.4 %

PROPOSED TREES:

SMALL TREE 5-10m

MEDIUM TREE 10-15m

LARGE TREE 15-20m

EXTRA LARGE TREE 20m+

NOTES:

- 1. OPEN SPACE TO BE RETAINED FOR INFORMAL RECREATION ADJACENT TO PLAYGROUND EQUIPMENT

LEGEND:

- + EXISTING TREE LOCATION
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- EXISTING PLAYGROUND
- EXISTING RESERVE AREA 6,731m²

POTENTIAL TREE PLANTING AREAS:

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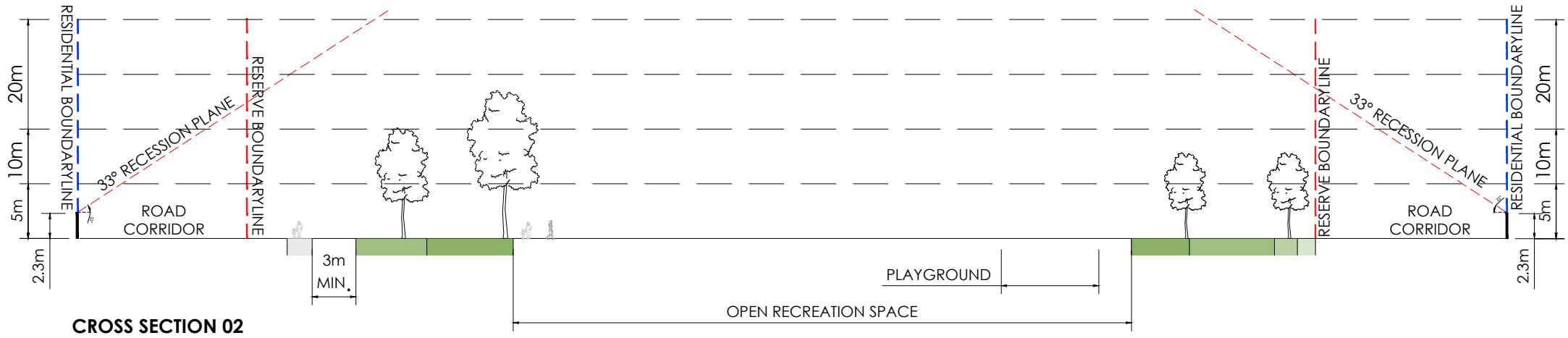
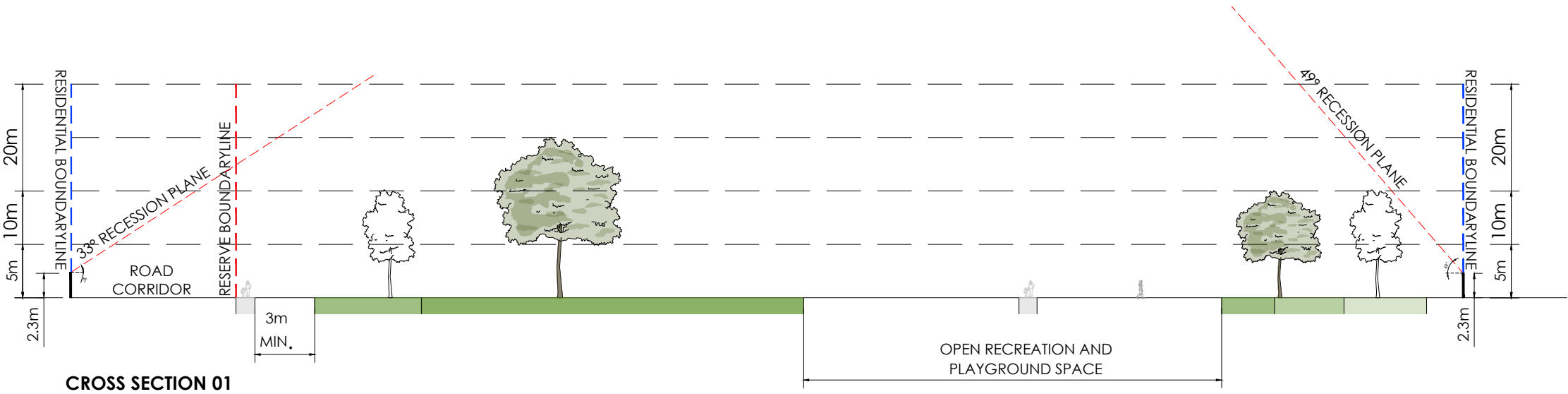


Client: URBAN FOREST TREE PLANTING PLAN

Title: MAHARS PARK INDICATIVE TREE PLANTING PLAN

Discipline	LANDSCAPE
Drawing No.	Beca Project Number:
4672500-AL-M-005	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
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Project: URBAN FOREST TREE PLANTING PLAN

Title: MAHARS PARK SITE WIDE CROSS SECTION

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

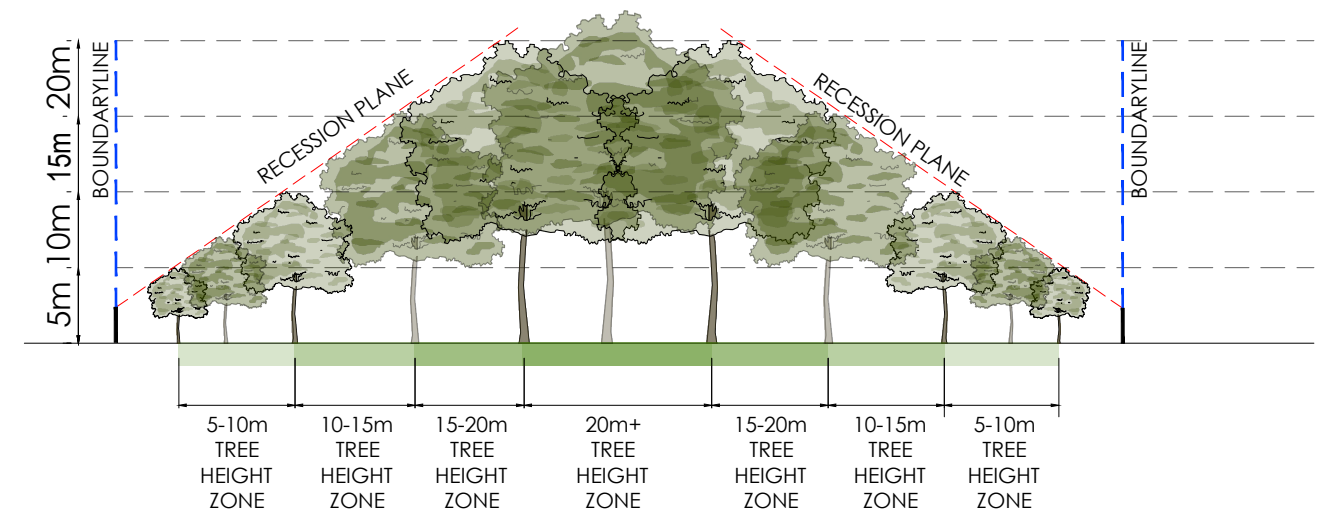
GUIDELINE SUMMARY:

- 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: MAHARS PARK TREE PLANTING GUIDELINES

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