



LANDSCAPE ARCHITECTURE

Project No 4672500

CHRISTCHURCH CITY COUNCIL
URBAN FOREST TREE
PLANTING PLANS

FOR CONSULTATION
SOMERVILLE
RESERVE

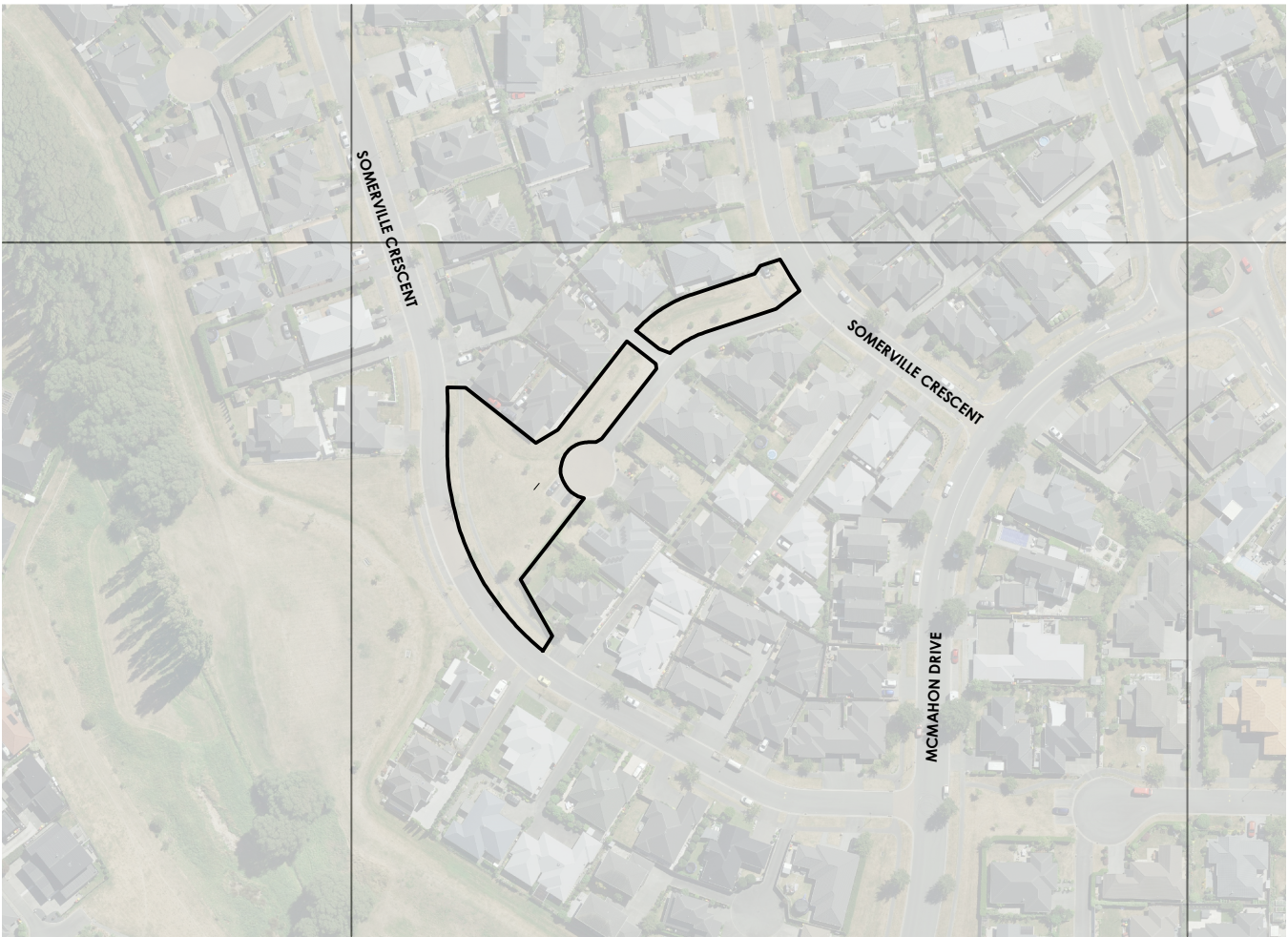
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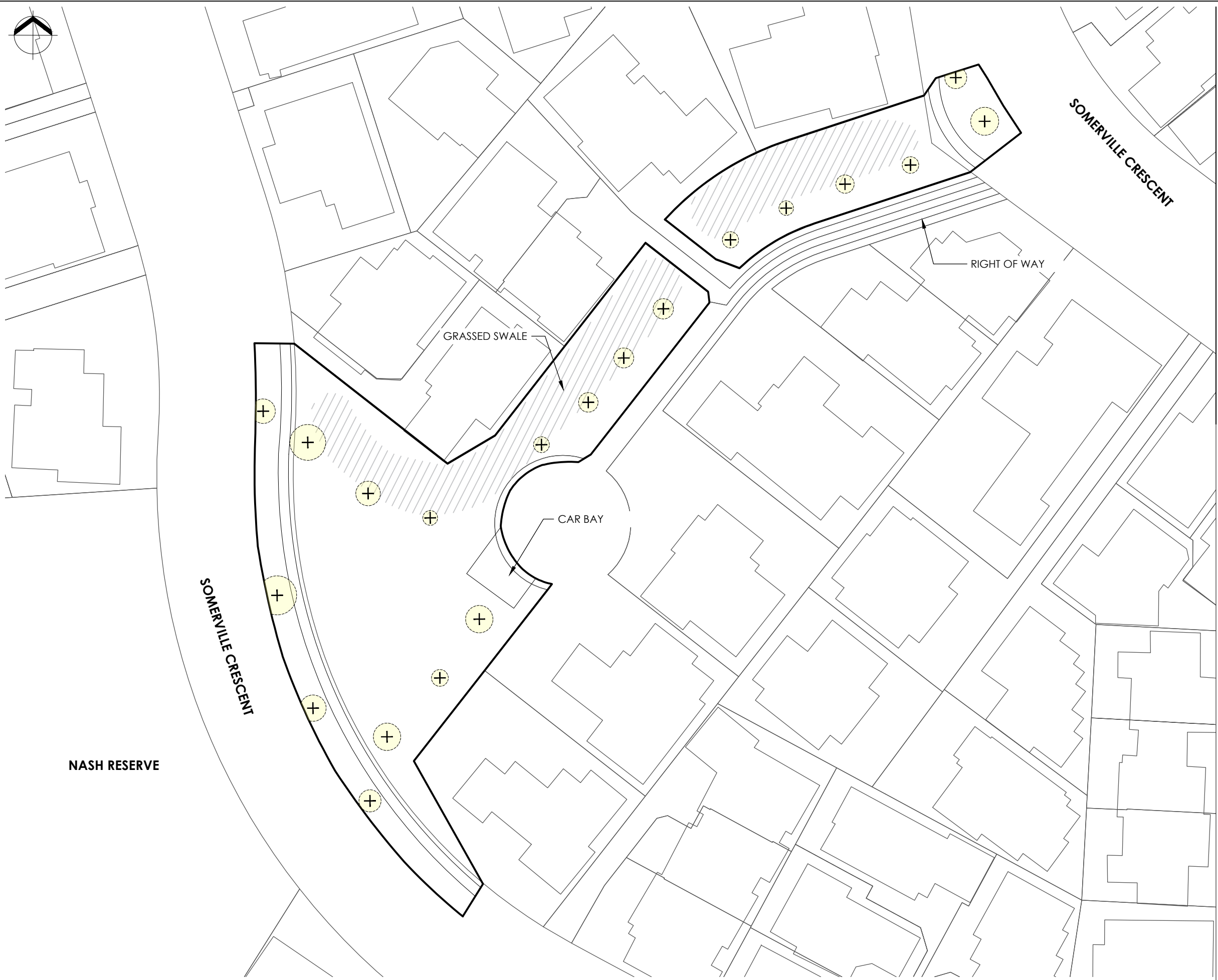


Beca

03 OCTOBER 2025

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





- LEGEND:**
- + EXISTING TREE LOCATION
 - EXISTING TREES/VEGETATION
 - EXISTING FOOTPATH
 - OUTDOOR GYM EQUIPMENT
 - GRASSED STOWMWATER SWALE
 - EXISTING RESERVE AREA 2,438m²

FOR CONSULTATION

A	CONSULTATION	RK	JB	GW	03.10.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A3) 1:1250	Design	R KIRKWOOD	03.10.25	Approved For Construction*
	Drawn	R KIRKWOOD	03.10.25	
	Dsg Verifier	G WOOLFORD	03.10.25	
	Drg Check	J BYRNE	03.10.25	
Date				
* Refer to Revision 1 for Original Signature				



Project: URBAN FOREST TREE PLANTING PLAN

Title: SOMERVILLE RESERVE EXISTING PLANTING

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



LEGEND:

- + EXISTING TREE LOCATION
- EXISTING TREES/VEGETATION
- EXISTING FOOTPATH
- OUTDOOR GYM EQUIPMENT
- GRASSED STOWMWATER SWALE
- EXISTING RESERVE AREA 2,438m²

POTENTIAL TREE PLANTING AREAS:

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

NASH RESERVE

SOMERVILLE CRESCENT

SOMERVILLE CRESCENT

GRASSED SWALE

CAR BAY

RIGHT OF WAY

FOR CONSULTATION

A	CONSULTATION	RK	JB	GW	03.10.25
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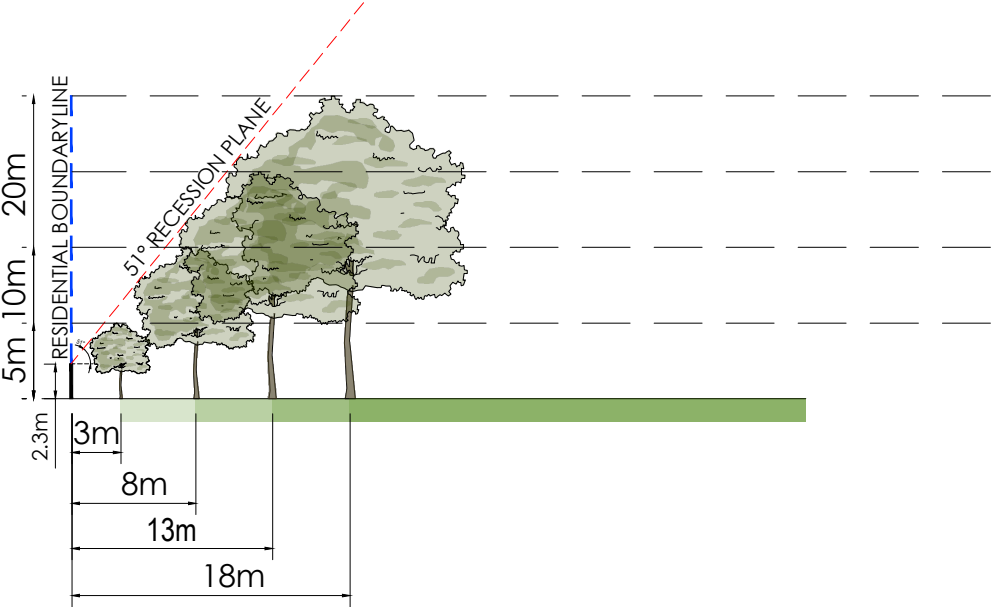


Project: URBAN FOREST TREE PLANTING PLAN

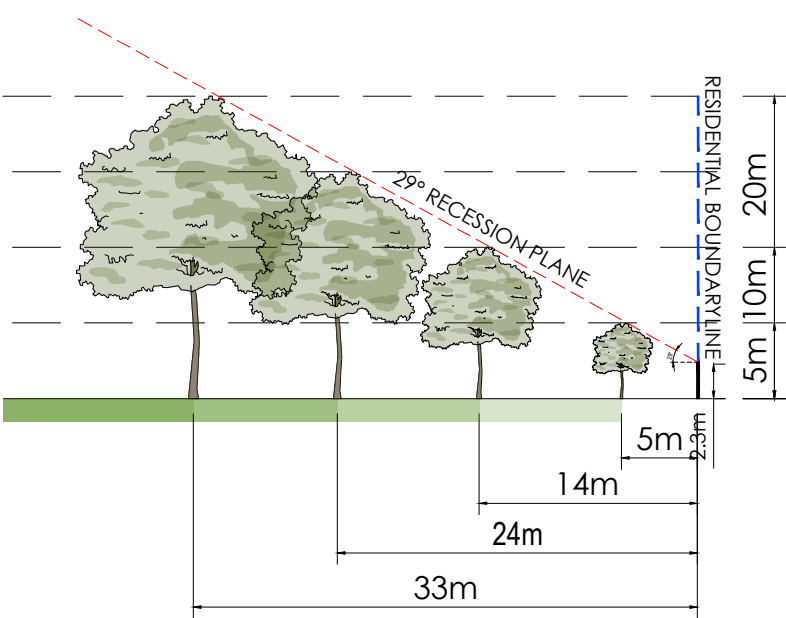
Title: SOMERVILLE RESERVE TREE PLANTING ZONES

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

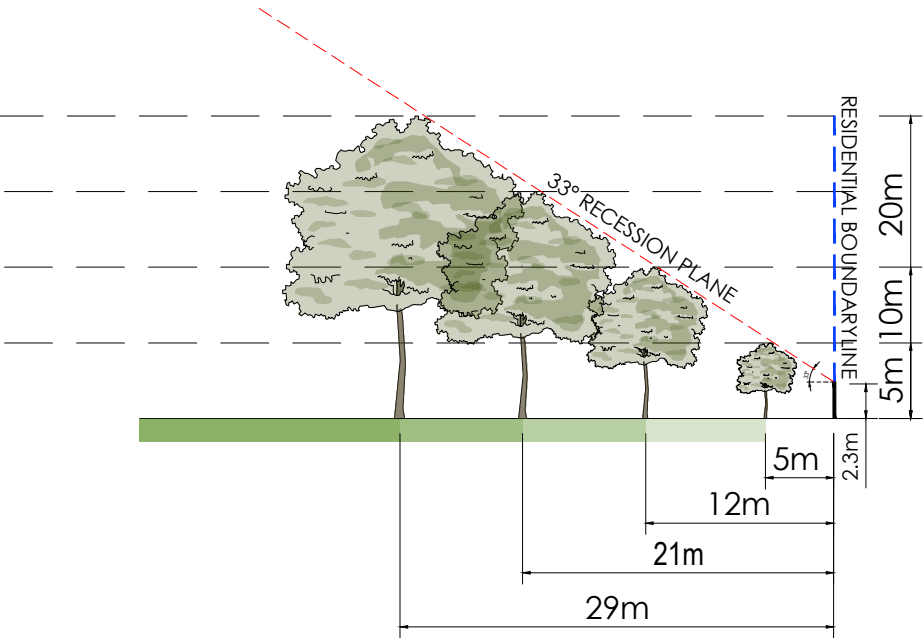
INDICATIVE BOUNDARY CROSS SECTIONS - POTENTIAL TREE PLANTING ZONES



CROSS SECTION EE



CROSS SECTION FF



CROSS SECTION GG

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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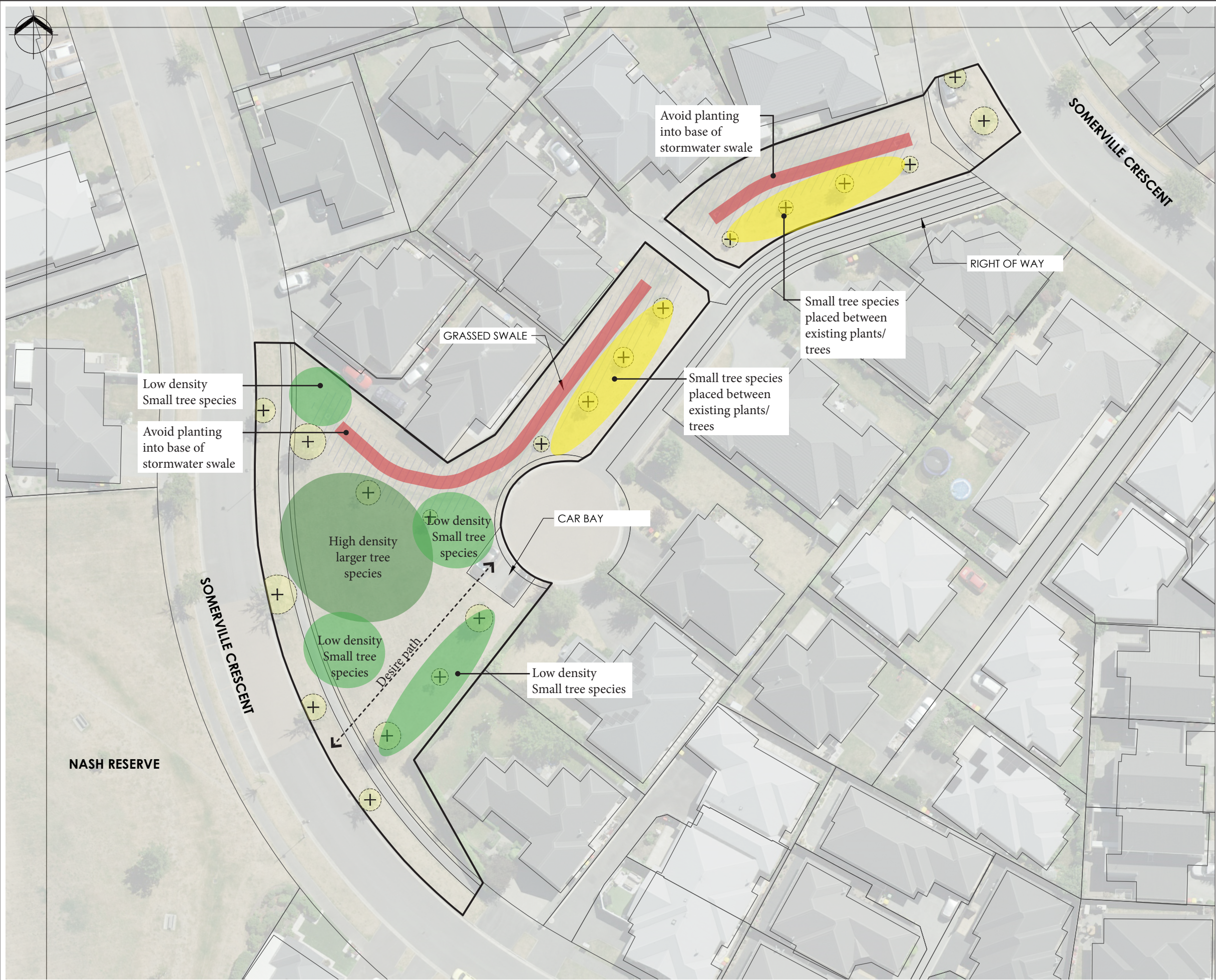
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Project: URBAN FOREST TREE PLANTING PLAN

Title: SOMERVILLE RESERVE LOT BOUNDARY CROSS SECTIONS

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



LEGEND:

- + EXISTING TREE LOCATION
- EXISTING TREES/VEGETATION
- EXISTING FOOTPATH
- OUTDOOR GYM EQUIPMENT
- GRASSED STOWMWATER SWALE
- EXISTING RESERVE AREA 2,438m²

FOR CONSULTATION

No.	Revision	By	Chk	Appd	Date
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Original Scale (A3)
1:1250

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Project: URBAN FOREST TREE PLANTING PLAN

Title: SOMERVILLE RESERVE SITE CONCEPT PLAN

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



- LEGEND:**
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 - EXISTING TREES/VEGETATION
 - EXISTING FOOTPATH
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 - EXISTING RESERVE AREA 2,438m²

POTENTIAL TREE PLANTING AREAS:

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- 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

PLANT SCHEDULE			
ID	QTY	TREE CATEGORY	TREE HEIGHT
SMALL	20	SMALL TREE	5-10m
MEDIUM	3	MEDIUM TREE	11-15m
LARGE	1	LARGE TREE	16-20m
VERY LARGE	0	VERY LARGE TREE	20m+

RESERVE CANOPY COVER SUMMARY		
EXISTING NUMBER OF TREES	APPROXIMATELY	20
EXISTING CANOPY COVER	APPROXIMATELY	5.08 %
PROPOSED NUMBER OF NEW TREES		24
PROPOSED NET CANOPY COVER (EXISTING VEGETATION AND PROPOSED)	APPROXIMATELY	26.7 %

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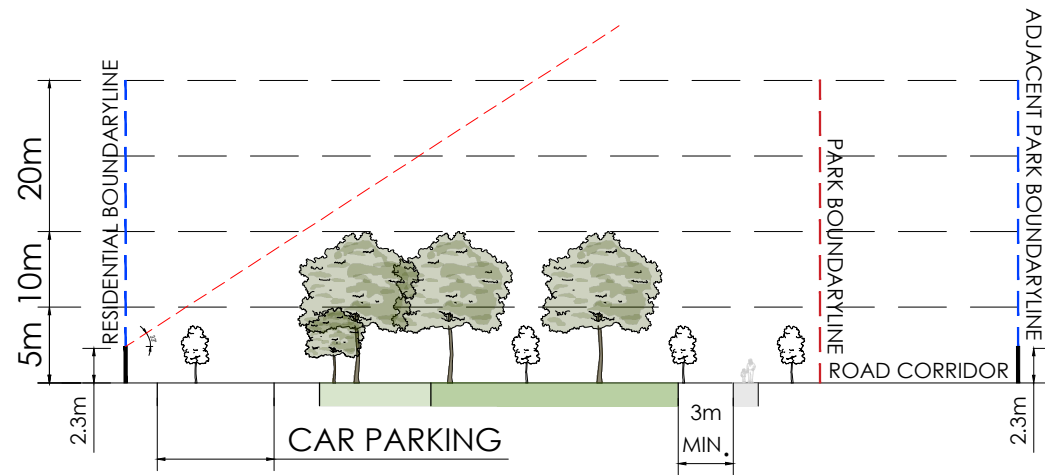


Project: URBAN FOREST TREE PLANTING PLAN

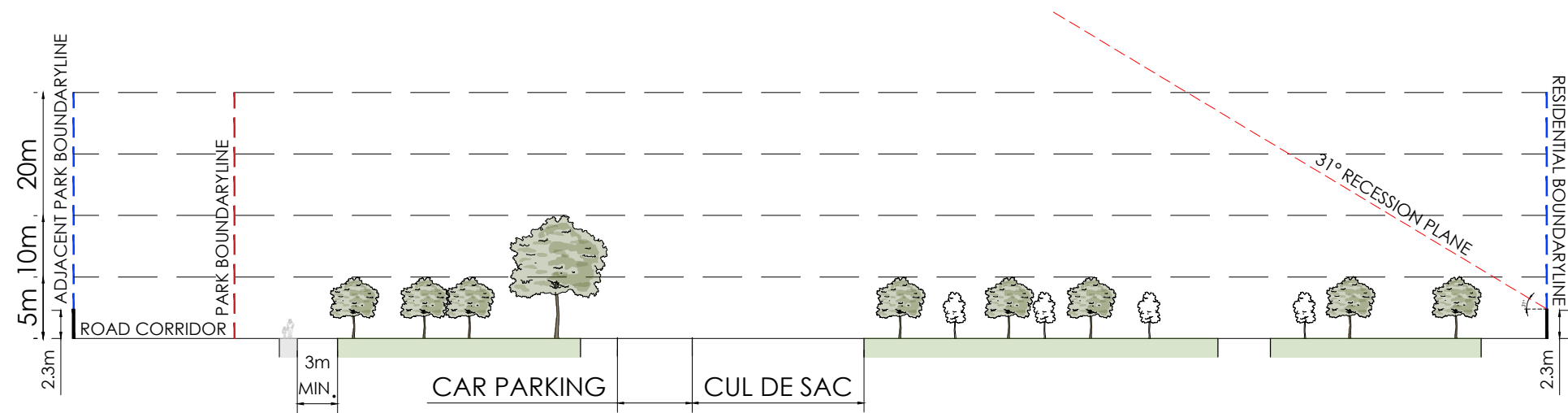
Title: SOMERVILLE RESERVE INDICATIVE TREE PLANTING PLAN

Discipline	LANDSCAPE
Drawing No.	Beca Project Number:
4672500-AL-SV-006	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
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Project: URBAN FOREST TREE PLANTING PLAN

Title: SOMERVILLE RESERVE SITE WIDE CROSS SECTIONS

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

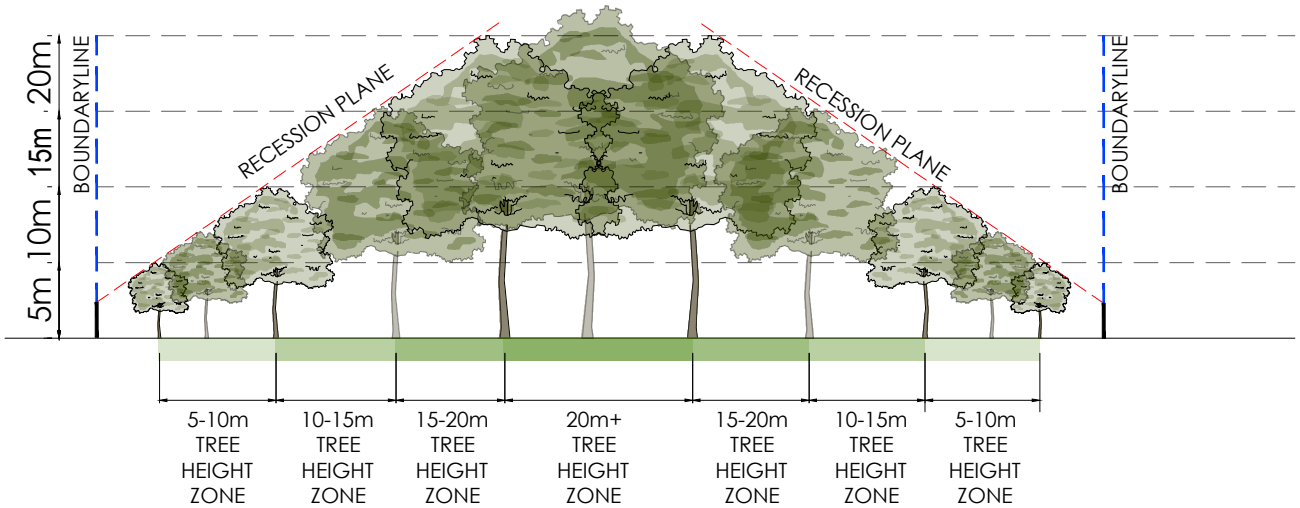
GUIDELINE SUMMARY:

- TREE PLANTING TO SPECIAL CHARACTER RESERVES 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:

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Project:
URBAN FOREST
TREE PLANTING
PLAN

Title:
SOMERVILLE RESERVE
TREE PLANTING
GUIDELINES

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