

Align

Francis Reserve

Community Park Tree Planting Study

[For Information]

05/03/2024

DWG NO.

DESCRIPTION

CCC001D-DRG-LA-100	EXISTING PLANTING
CCC001D-DRG-LA-101	TREE PLANTING ZONES
CCC001D-DRG-LA-102	LOT BOUNDARY CROSS SECTIONS - SHEET 1
CCC001D-DRG-LA-103	LOT BOUNDARY CROSS SECTIONS - SHEET 2
CCC001D-DRG-LA-104	LOT BOUNDARY CROSS SECTIONS - SHEET 3
CCC001D-DRG-LA-105	SHADE STUDY - SUMMER SOLSTICE - 8 AM
CCC001D-DRG-LA-106	SHADE STUDY - SUMMER SOLSTICE - 10 AM
CCC001D-DRG-LA-107	SHADE STUDY - SUMMER SOLSTICE - 12 NOON
CCC001D-DRG-LA-108	SHADE STUDY - SUMMER SOLSTICE - 2 PM
CCC001D-DRG-LA-109	SHADE STUDY - SUMMER SOLSTICE - 4 PM
CCC001D-DRG-LA-110	SHADE STUDY - SUMMER SOLSTICE - 6 PM
CCC001D-DRG-LA-111	SHADE STUDY - WINTER SOLSTICE - 8 AM
CCC001D-DRG-LA-112	SHADE STUDY - WINTER SOLSTICE - 10 AM
CCC001D-DRG-LA-113	SHADE STUDY - WINTER SOLSTICE - 12 NOON
CCC001D-DRG-LA-114	SHADE STUDY - WINTER SOLSTICE - 2 PM
CCC001D-DRG-LA-115	SHADE STUDY - WINTER SOLSTICE - 4 PM
CCC001D-DRG-LA-116	SHADE STUDY - WINTER SOLSTICE - 6 PM
CCC001D-DRG-LA-117	INDICATIVE TREE PLANTING PLAN
CCC001D-DRG-LA-118	EXISTING PLAN
CCC001D-DRG-LA-119	PROPOSED CONCEPT PLAN
CCC001D-DRG-LA-120	TREE PLANTING GUIDELINES



1:2500 @ A3





GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120
- RESERVE BOUNDARY

KEY:

- EXISTING CANOPY COVERAGE
 - EXISTING GARDEN BED
 - EXISTING RESTORATION PLANTING
 - FOOTPATH
 - SPORTS COURTS
 - PLAYGROUND
 - LOT BOUNDARIES
 - EXIATING BOLLARD FENCE
- 1 PARK FURNITURE
- 2 TENNIS COURT
- 3 HALF COURT

REVISIONS

REV	DATE	DESCRIPTION
A	2/02/2024	ISSUE FOR INFORMATION
B	05/03/2024	ISSUE FOR INFORMATION



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PROJECT

Francis Reserve
Westmorland, Christchurch 8025

DRAWING

EXISTING PLANTING

SCALE 1:750 @ A3
DATE 05/03/2023

DRAWN JG
CHECKED AB

STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-100

REVISION NO. A



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

--- RESERVE BOUNDARY

KEY:

- EXISTING CANOPY COVERAGE
- EXISTING GARDEN BED
- EXISTING RESTORATION PLANTING
- FOOTPATH
- SPORTS COURTS
- PLAYGROUND
- LOT BOUNDARIES
- EXIATING BOLLARD FENCE
- 1 PARK FURNITURE
- 2 TENNIS COURT
- 3 HALF COURT

POTENTIAL TREE PLANTING AREAS:

- SMALL: 5 - 10M TREE HEIGHT ZONE
- MEDIUM: 10 - 15M TREE HEIGHT ZONE
- LARGE: 15 - 20M TREE HEIGHT ZONE
- VERY LARGE: 20M+ TREE HEIGHT ZONE
- OFFSET FROM SERVICES
- OFFSET FROM FOOTPATH
- OFFSET FROM SPORTS COURT
- AREA CCC WANT CLEAR OF TREES

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Westmorland, Christchurch 8025

DRAWING

TREE PLANTING ZONES

SCALE 1:750 @ A3

DATE 05/03/2023

DRAWN JG

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STAGE FOR INFORMATION

JOB NO. CCC001D

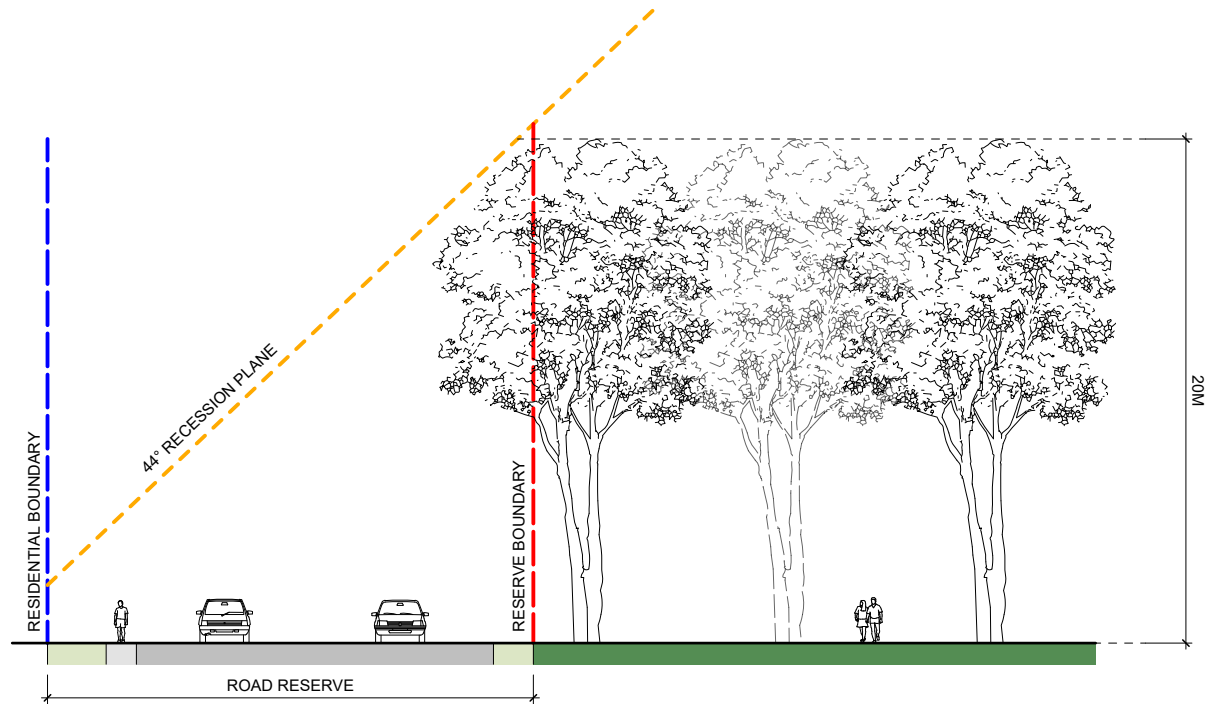
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CCC001D-DRG-LA-101

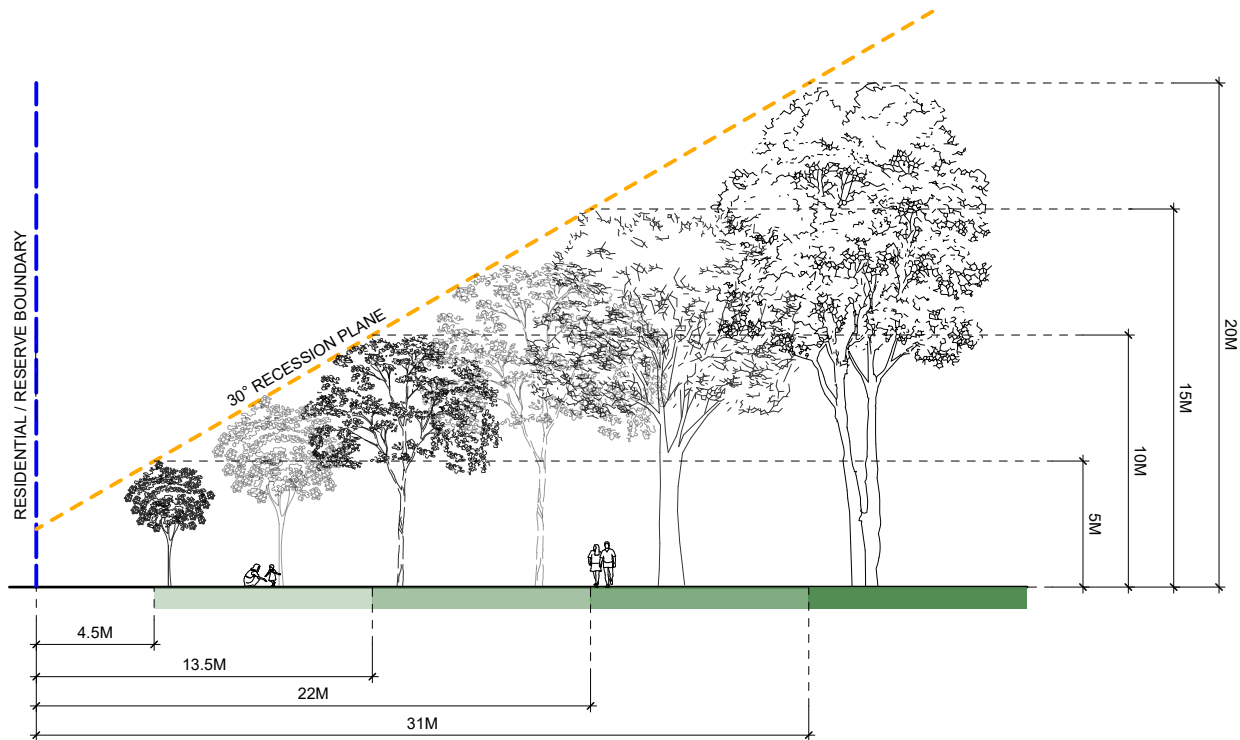
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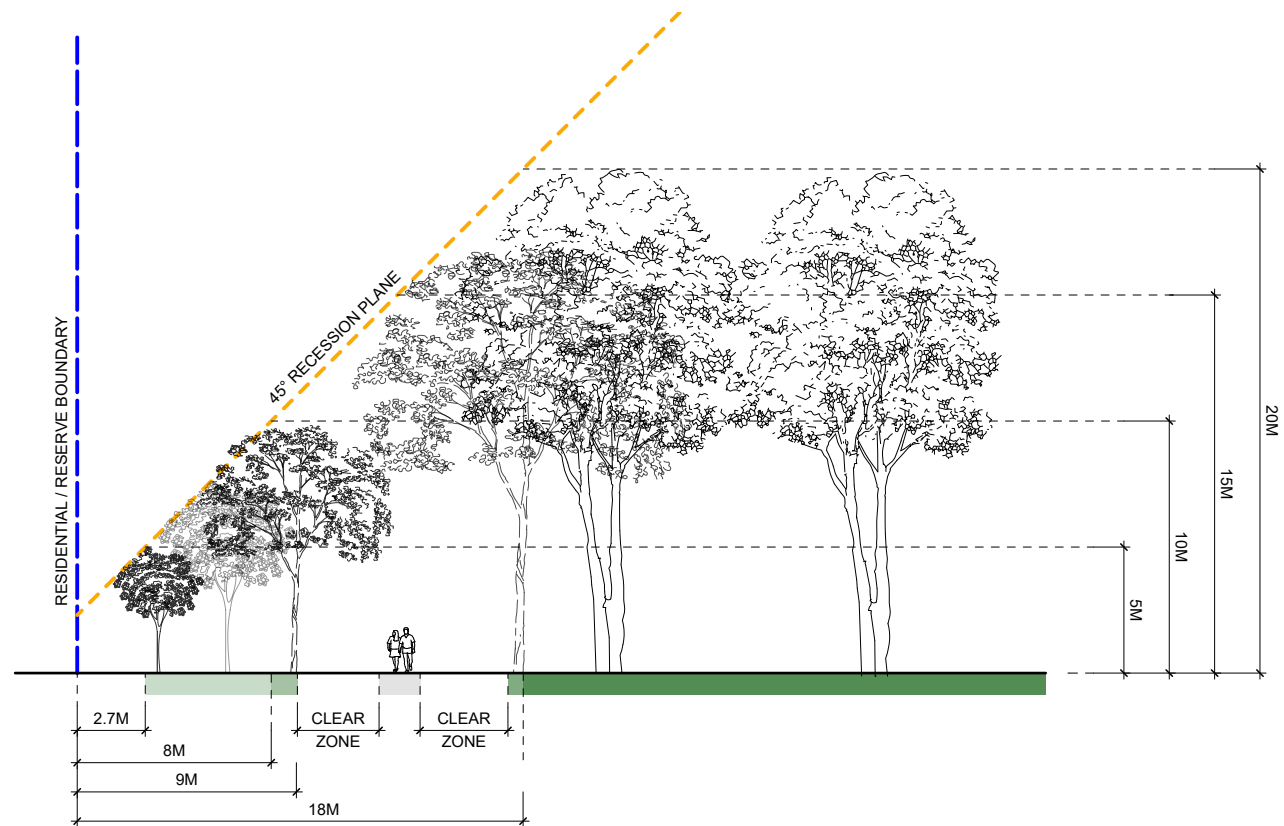
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2 SECTION A-A
Scale: 1:300 @ A3



3 SECTION B-B
Scale: 1:300 @ A3



4 SECTION C-C
Scale: 1:300 @ A3

GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

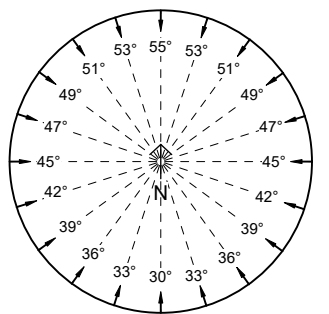
RESERVE BOUNDARY

POTENTIAL TREE PLANTING ZONES:

- SMALL: 5 - 10M
TREE HEIGHT ZONE
- MEDIUM: 10 - 15M
TREE HEIGHT ZONE
- LARGE: 15 - 20M
TREE HEIGHT ZONE
- VERY LARGE: 20M+
TREE HEIGHT ZONE
- OFFSET FROM SERVICES

RECESSION PLANE:

- RESIDENTIAL HILLS ZONE



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DRAWING

LOT BOUNDARY CROSS SECTIONS
- SHEET 1

SCALE AS SHOWN
DATE 05/03/2023

DRAWN JG
CHECKED AB

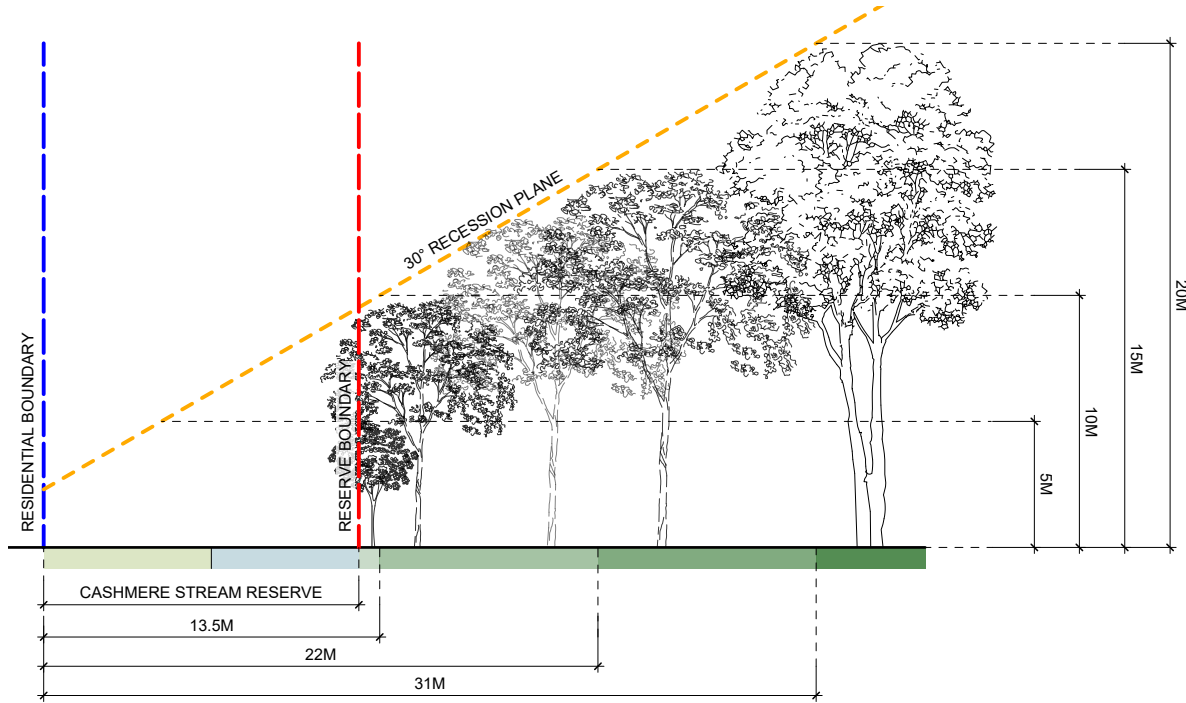
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JOB NO. CCC001D

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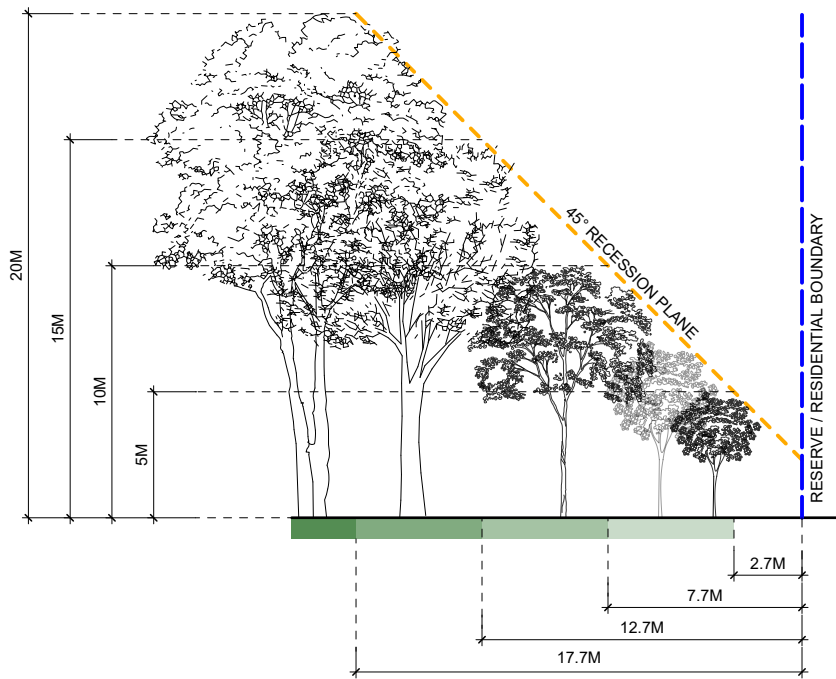
REVISION NO. A



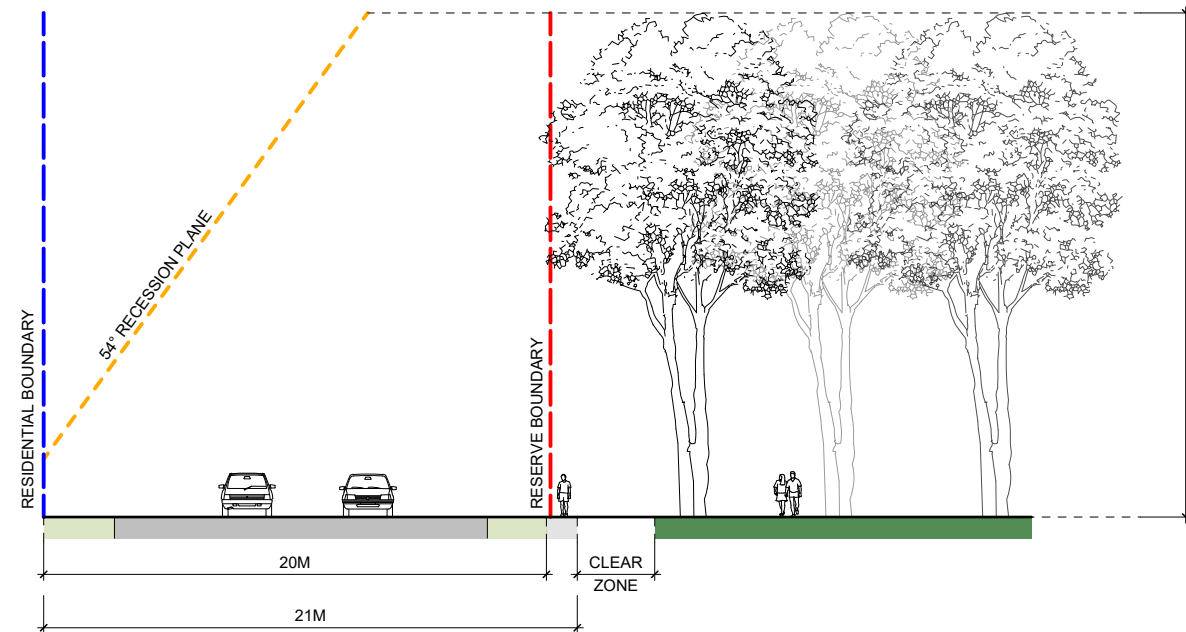
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2 SECTION D-D
Scale: 1:300 @ A3



3 SECTION E-E
Scale: 1:300 @ A3



4 SECTION F-F
Scale: 1:300 @ A3

GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

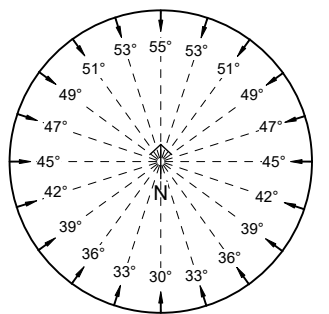
--- RESERVE BOUNDARY

POTENTIAL TREE PLANTING ZONES:

- SMALL: 5 - 10M TREE HEIGHT ZONE
- MEDIUM: 10 - 15M TREE HEIGHT ZONE
- LARGE: 15 - 20M TREE HEIGHT ZONE
- VERY LARGE: 20M+ TREE HEIGHT ZONE
- OFFSET FROM SERVICES

RECESSION PLANE:

- RESIDENTIAL HILLS ZONE



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DRAWING

LOT BOUNDARY CROSS SECTIONS - SHEET 2

SCALE AS SHOWN
DATE 05/03/2023

DRAWN JG
CHECKED AB

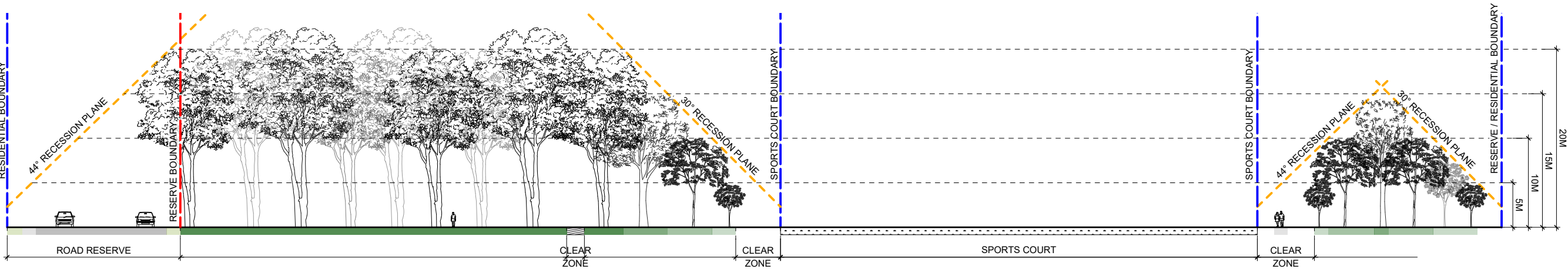
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JOB NO. CCC001D

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CCC001D-DRG-LA-103

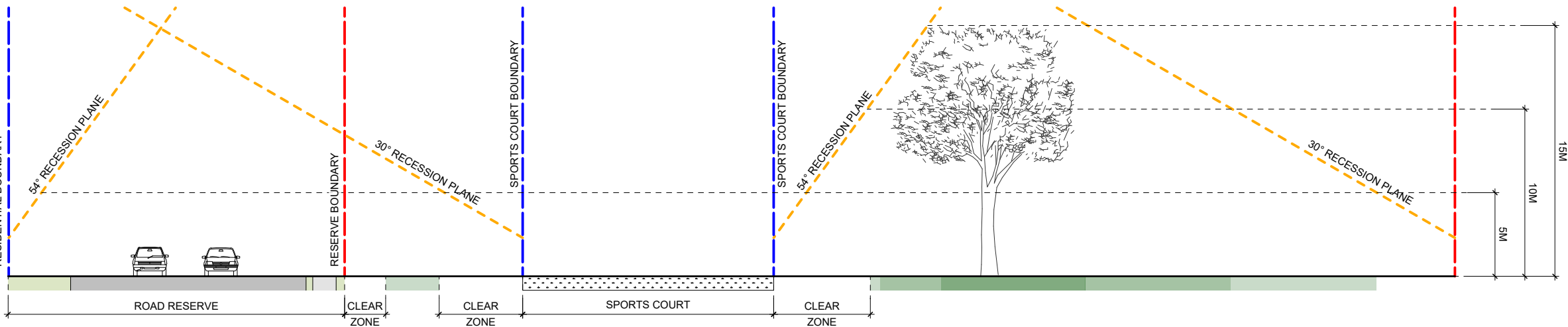
REVISION NO. A



1 KEY PLAN
Scale: 1:1500



2 SECTION G-G
Scale: 1:500



3 SECTION H-H
Scale: 1:300 @ A3

GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

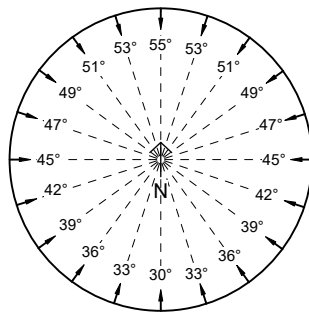
--- RESERVE BOUNDARY

POTENTIAL TREE PLANTING ZONES:

- SMALL: 5 - 10M
TREE HEIGHT ZONE
- MEDIUM: 10 - 15M
TREE HEIGHT ZONE
- LARGE: 15 - 20M
TREE HEIGHT ZONE
- VERY LARGE: 20M+
TREE HEIGHT ZONE
- OFFSET FROM SERVICES

RECESSION PLANE:

- RESIDENTIAL HILLS ZONE



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PROJECT
Francis Reserve
Westmorland, Christchurch 8025

DRAWING
LOT BOUNDARY CROSS SECTIONS
- SHEET 3

SCALE AS SHOWN
DATE 05/03/2023

DRAWN JG
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STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-104

REVISION NO. A

SUMMER SOLSTICE
DATE 22nd DECEMBER
8 AM



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

— RESERVE BOUNDARY

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Francis Reserve
Westmorland, Christchurch 8025

DRAWING

SHADE STUDY - SUMMER SOLSTICE
- 8 AM

SCALE 1:750 @ A3

DATE 05/03/2023

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STAGE FOR INFORMATION

JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-105

REVISION NO. A



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120
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DRAWING

SHADE STUDY - SUMMER SOLSTICE
- 10 AM

SCALE 1:750 @ A3
DATE 05/03/2023

DRAWN MT
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STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-106

REVISION NO. A

SUMMER SOLSTICE
DATE 22nd DECEMBER
12 NOON



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

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DRAWING

SHADE STUDY - SUMMER SOLSTICE
- 12 NOON

SCALE	1:750 @ A3
DATE	05/03/2023

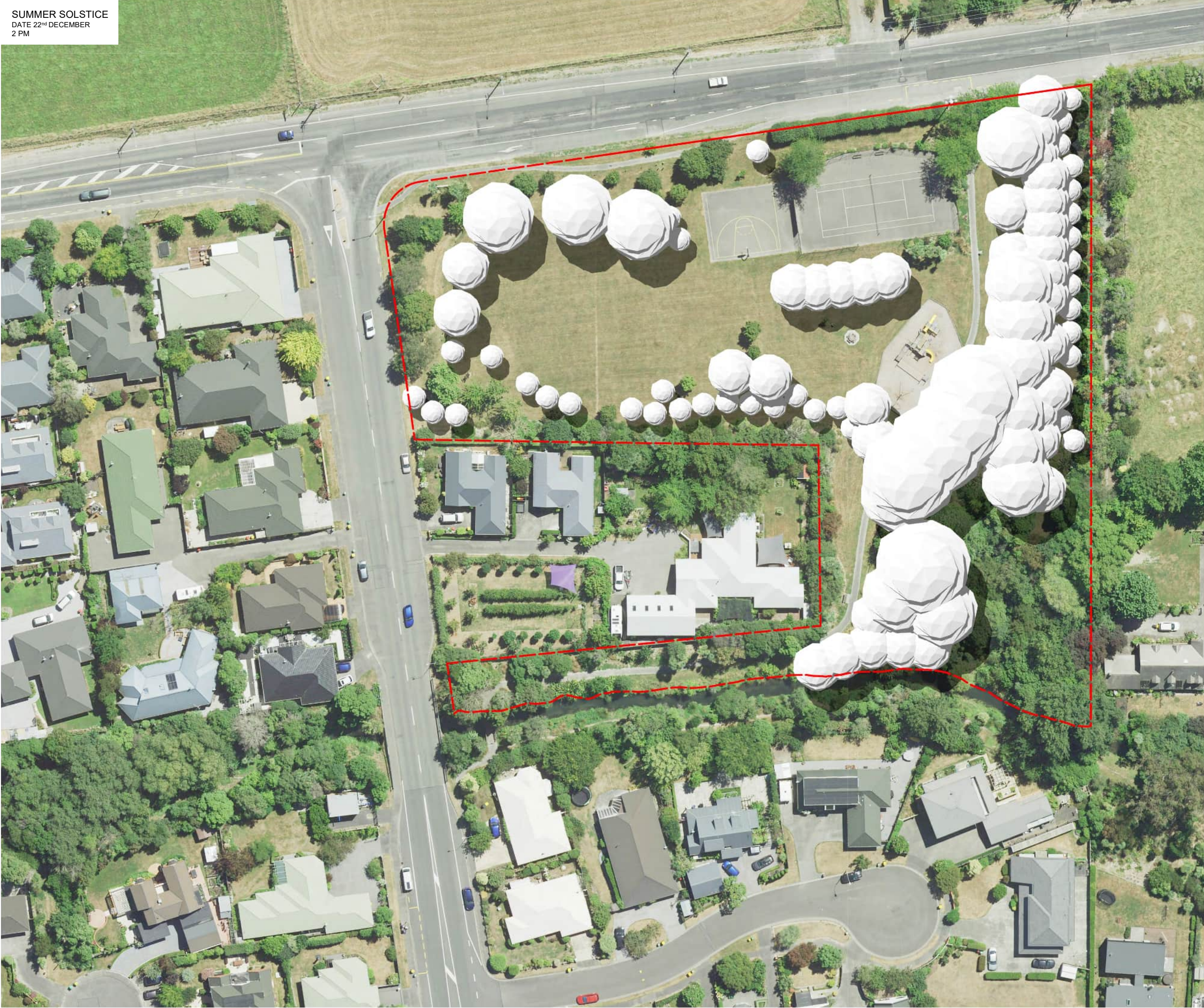
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STAGE	FOR INFORMATION
JOB NO.	CCC001D

DRAWING NO.
CCC001D-DRG-LA-107

REVISION NO. A

SUMMER SOLSTICE
DATE 22nd DECEMBER
2 PM



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON
SHEET CCC001D-DRG-LA-120

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DRAWING

SHADE STUDY - SUMMER SOLSTICE
- 2 PM

SCALE 1:750 @ A3
DATE 05/03/2023

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STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-108

REVISION NO. A

SUMMER SOLSTICE
DATE 22nd DECEMBER
4 PM



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON
SHEET CCC001D-DRG-LA-120

— RESERVE BOUNDARY

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Francis Reserve
Westmorland, Christchurch 8025

DRAWING

SHADE STUDY - SUMMER SOLSTICE
- 4 PM

SCALE 1:750 @ A3

DATE 05/03/2023

DRAWN MT

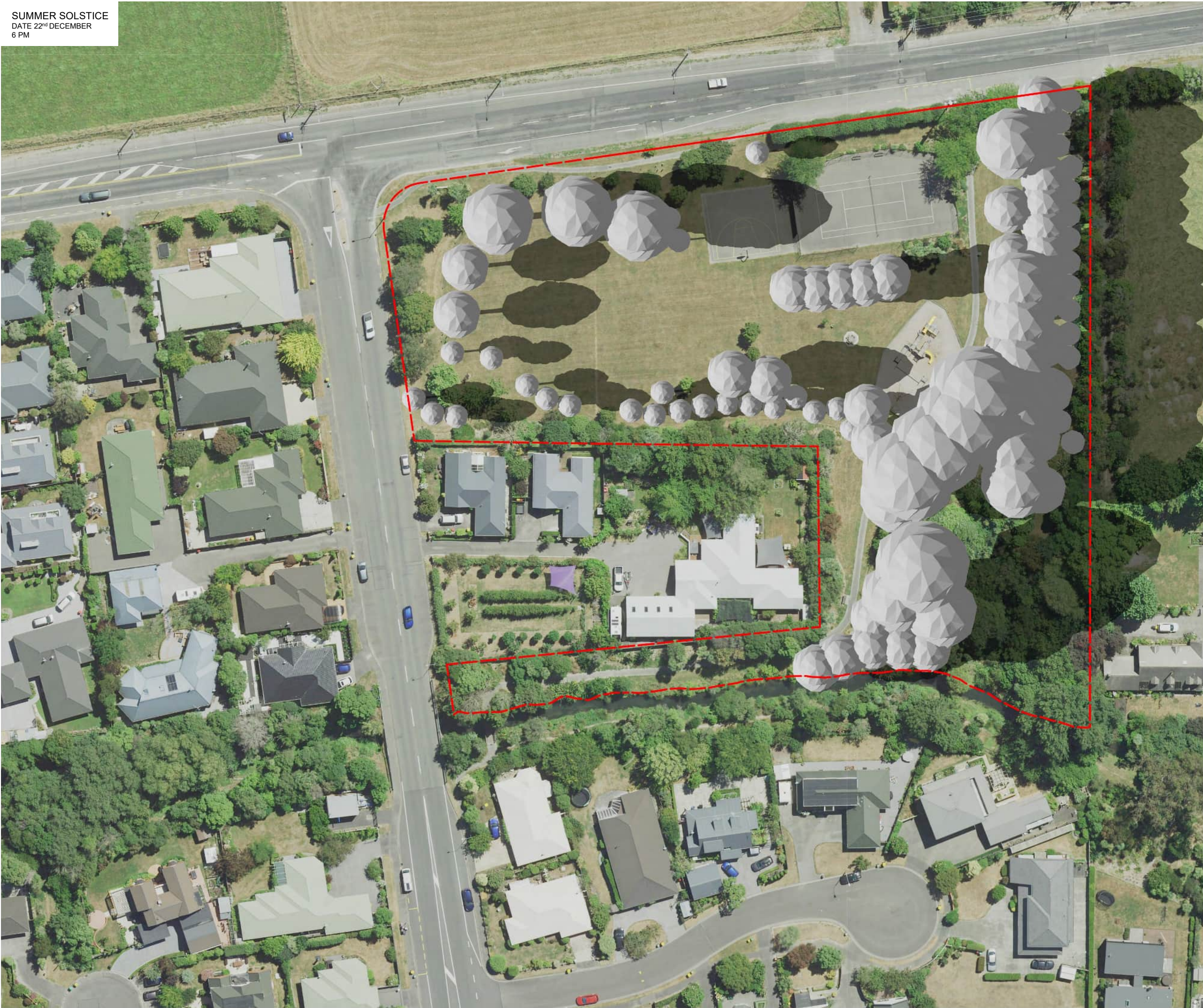
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STAGE FOR INFORMATION

JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-109

REVISION NO. A



SUMMER SOLSTICE
DATE 22nd DECEMBER
6 PM

GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120
- RESERVE BOUNDARY

REVISIONS

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PROJECT

Francis Reserve
Westmorland, Christchurch 8025

DRAWING

SHADE STUDY - SUMMER SOLSTICE
- 6 PM

SCALE 1:750 @ A3
DATE 05/03/2023

DRAWN MT
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STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-110

REVISION NO. A

WINTER SOLSTICE
DATE 22nd JUNE
8 AM



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120
- RESERVE BOUNDARY

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Francis Reserve
Westmorland, Christchurch 8025

DRAWING

SHADE STUDY - WINTER SOLSTICE
- 8 AM

SCALE 1:750 @ A3
DATE 05/03/2023

DRAWN MT
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STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-111

REVISION NO. A

WINTER SOLSTICE
DATE 22nd JUNE
10 AM



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

— RESERVE BOUNDARY

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Westmorland, Christchurch 8025

DRAWING

SHADE STUDY - WINTER SOLSTICE
- 10 AM

SCALE 1:750 @ A3
DATE 05/03/2023

DRAWN MT
CHECKED AB

STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-112

REVISION NO. A

WINTER SOLSTICE
DATE 22nd JUNE
12 NOON



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

— RESERVE BOUNDARY

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Francis Reserve
Westmorland, Christchurch 8025

DRAWING

SHADE STUDY - WINTER SOLSTICE
- 12 NOON

SCALE 1:750 @ A3

DATE 05/03/2023

DRAWN MT

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STAGE FOR INFORMATION

JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-113

REVISION NO. A

WINTER SOLSTICE
DATE 22nd JUNE
2 PM



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

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PROJECT

Francis Reserve
Westmorland, Christchurch 8025

DRAWING

SHADE STUDY - WINTER SOLSTICE
- 2 PM

SCALE 1:750 @ A3
DATE 05/03/2023

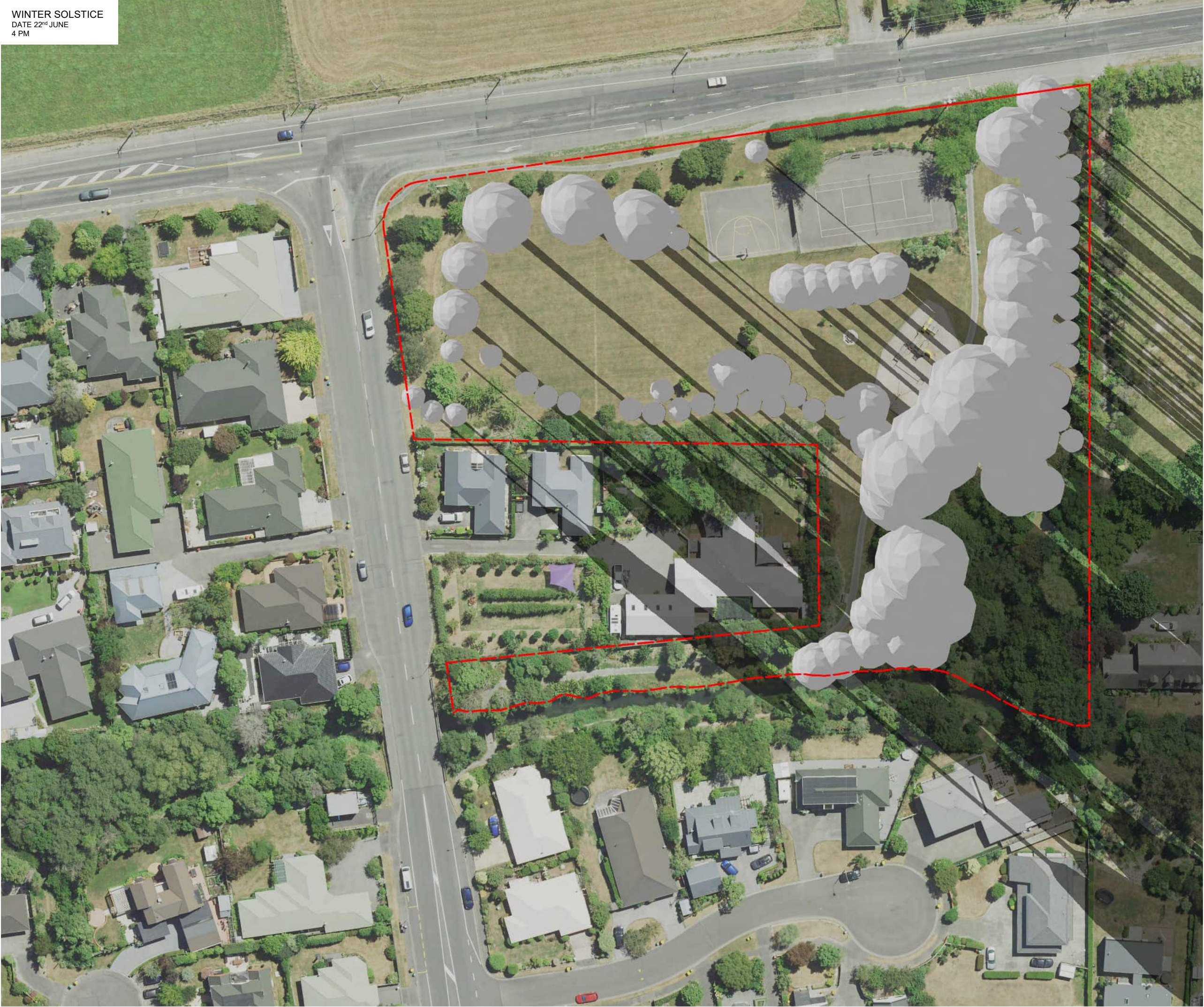
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STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-114

REVISION NO. A

WINTER SOLSTICE
DATE 22nd JUNE
4 PM



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120
- RESERVE BOUNDARY

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Francis Reserve
Westmorland, Christchurch 8025

DRAWING

SHADE STUDY - WINTER SOLSTICE
- 4 PM

SCALE 1:750 @ A3
DATE 05/03/2023

DRAWN MT
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STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-115

REVISION NO. A

WINTER SOLSTICE
DATE 22nd JUNE
6 PM



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

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DRAWING

SHADE STUDY - WINTER SOLSTICE
- 6 PM

SCALE 1:750 @ A3

DATE 05/03/2023

DRAWN MT

CHECKED AB

STAGE FOR INFORMATION

JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-116

REVISION NO. A



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

--- RESERVE BOUNDARY

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PROJECT

Francis Reserve
Westmorland, Christchurch 8025

DRAWING

EXISTING PLAN

SCALE	1:750 @ A3
DATE	05/03/2023

DRAWN	MT
CHECKED	JG

STAGE	FOR INFORMATION
JOB NO.	CCC001D

DRAWING NO.
CCC001D-DRG-LA-118

REVISION NO. A



GENERAL NOTES:

1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

--- RESERVE BOUNDARY

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PROJECT

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DRAWING

PROPOSED CONCEPT PLAN

SCALE 1:750 @ A3
DATE 05/03/2023

DRAWN MT
CHECKED JG

STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-119

REVISION NO. A

GUIDE LINE SUMMARY

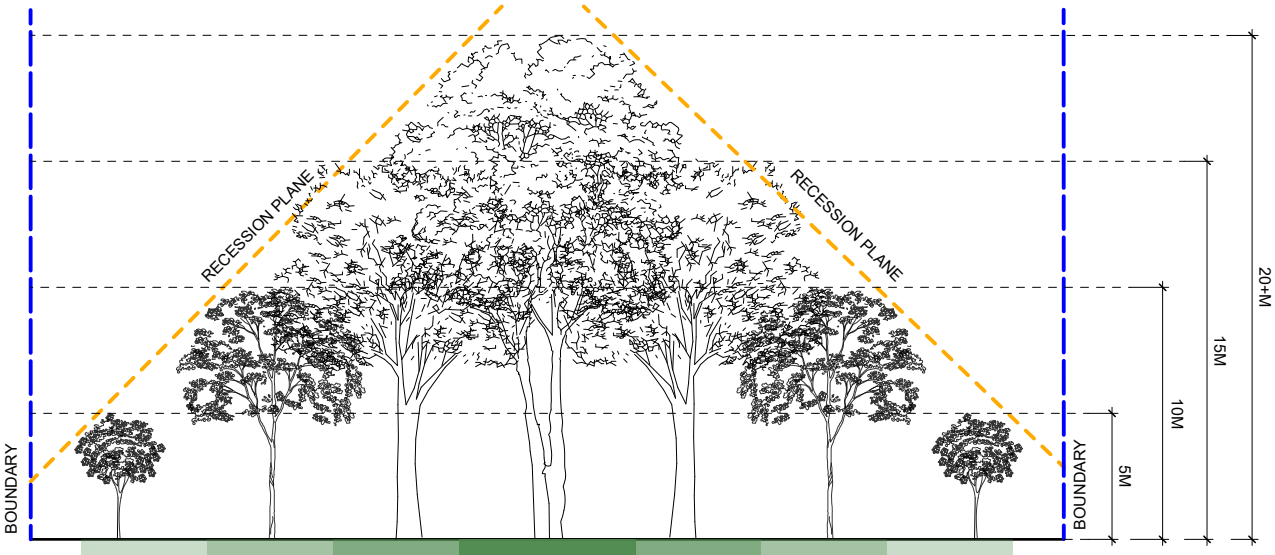
- 1. TREE PLANTING TO SPECIAL CHARACTER PARKS WILL CONTINUE THE ESTABLISHED THEME.
- 2. TREES WILL BE POSITIONED APPROPRIATELY TO ALLOW FOR DEBRIS MANAGEMENT.
- 3. TREE SPECIES SHALL BE WELL SUITED TO THE LOCAL CONDITIONS.
- 4. PLANTING ALONG WATERWAYS WILL BE PREDOMINANTLY NATIVE SPECIES.
- 5. CCC WILL AIM FOR 40-60% OF NEW TREE PLANTINGS AS NATIVES.

TREE SETBACK & SPACING

- 1. NO TREE SHALL INTRUDE THROUGH THE RECESSION PLANE.
- 2. NO TREE SHALL BE PLANTED CLOSER THAN 3.0M FROM A PATHWAY.
- 3. 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.
- 4. TREE SPACINGS SHALL BE A MINIMUM OF 5.0M APART TO ALLOW FOR EASY LAWN MOWING.
- 5. MIN. 2M OFFSET FOR LOW VOLTAGE POWER
- 6. MIN. 3M OFFSET FOR 11KV POWER
- 7. MIN. 5M OFFSET FOR 33-66KV
- 8. MIN. 1M OFFSET FOR ALL OTHER SERVICES AND HARD PAVING NOT MENTIONED ABOVE.



1 KEY PLAN
Scale: 1:1000



2 TYPICAL TREE PLANTING PATTERN
Scale: 1:300

GENERAL NOTES:

- 1. REFER TO TREE PLANTING GUIDELINES ON SHEET CCC001D-DRG-LA-120

--- RESERVE BOUNDARY

KEY:

- EXISTING CANOPY COVERAGE
- EXISTING GARDEN BED
- EXISTING RESTORATION PLANTING
- FOOTPATH
- SPORTS COURTS
- PLAYGROUND
- LOT BOUNDARIES
- EXISTING BOLLARD FENCE

POTENTIAL TREE PLANTING AREAS:

- SMALL: 5 - 10M TREE HEIGHT ZONE
- MEDIUM: 10 - 15M TREE HEIGHT ZONE
- LARGE: 15 - 20M TREE HEIGHT ZONE
- VERY LARGE: 20M+ TREE HEIGHT ZONE
- NEW RESTORATION PLANTING
- OFFSET FROM SERVICES
- OFFSET FROM FOOTPATH
- AREA CCC WANT CLEAR OF TREES
- OFFSET FROM SPORTS COURT

REVISIONS

REV	DATE	DESCRIPTION
A	2/02/2024	ISSUE FOR INFORMATION
B	05/03/2024	ISSUE FOR INFORMATION



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PROJECT

Francis Reserve
Westmorland, Christchurch 8025

DRAWING

TREE PLANTING GUIDELINES

SCALE AS SHOWN
DATE 05/03/2023

DRAWN JG
CHECKED AB

STAGE FOR INFORMATION
JOB NO. CCC001D

DRAWING NO.
CCC001D-DRG-LA-120

REVISION NO. A