APPENDIX FOUR: SITE LAYOUT PLANS

N

Key:
- Outside fence
- Install Setback
- Water Race
- Existing overhead line
- New Underground Cable
- Inverter Pairs
- Perimeter Roadway
- Internal Roadway
- Fire fighting water tanks

Yard

Culvert

Inverter Pairs

East Entrance

Culvert

10m perimeter buffer zone
(incl. access and planting)

Culvert

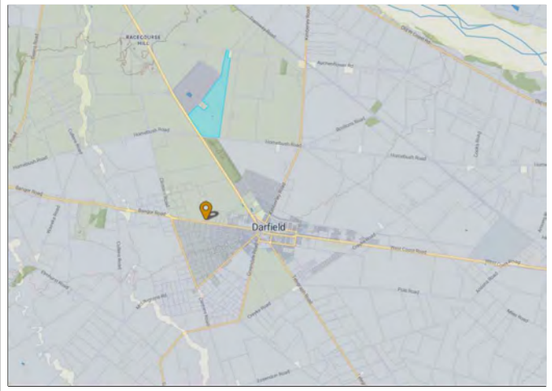
South Entrance

Route to Construction Laydown

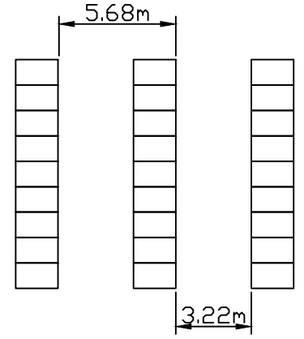
Construction Laydown
(Temporary)

0 100 500 1000

NOT FOR CONSTRUCTION



Panel Frame Layout



Title	Plot Plan
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand
DC Capacity	117.4 MW
Annual	210 GWh / Year

NZ CLEAN ENERGY

NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-001
Revison #: 10
Date: 19/8/2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING

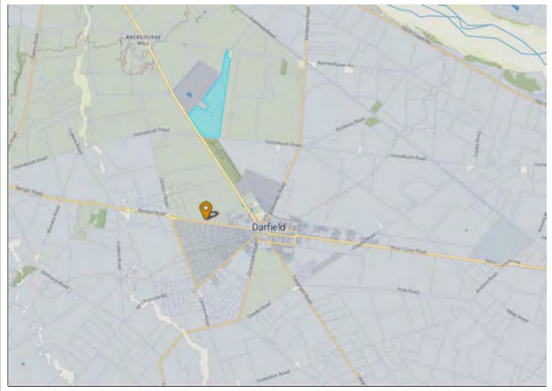
AC BESS

Site Substation

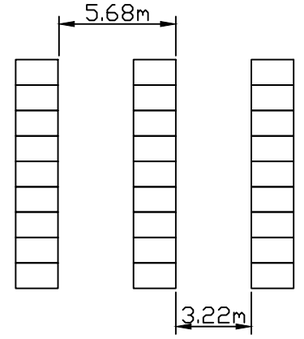
Orion Substation

Proposed 66kV Cable Trench

Existing Overhead Cables (indicative)



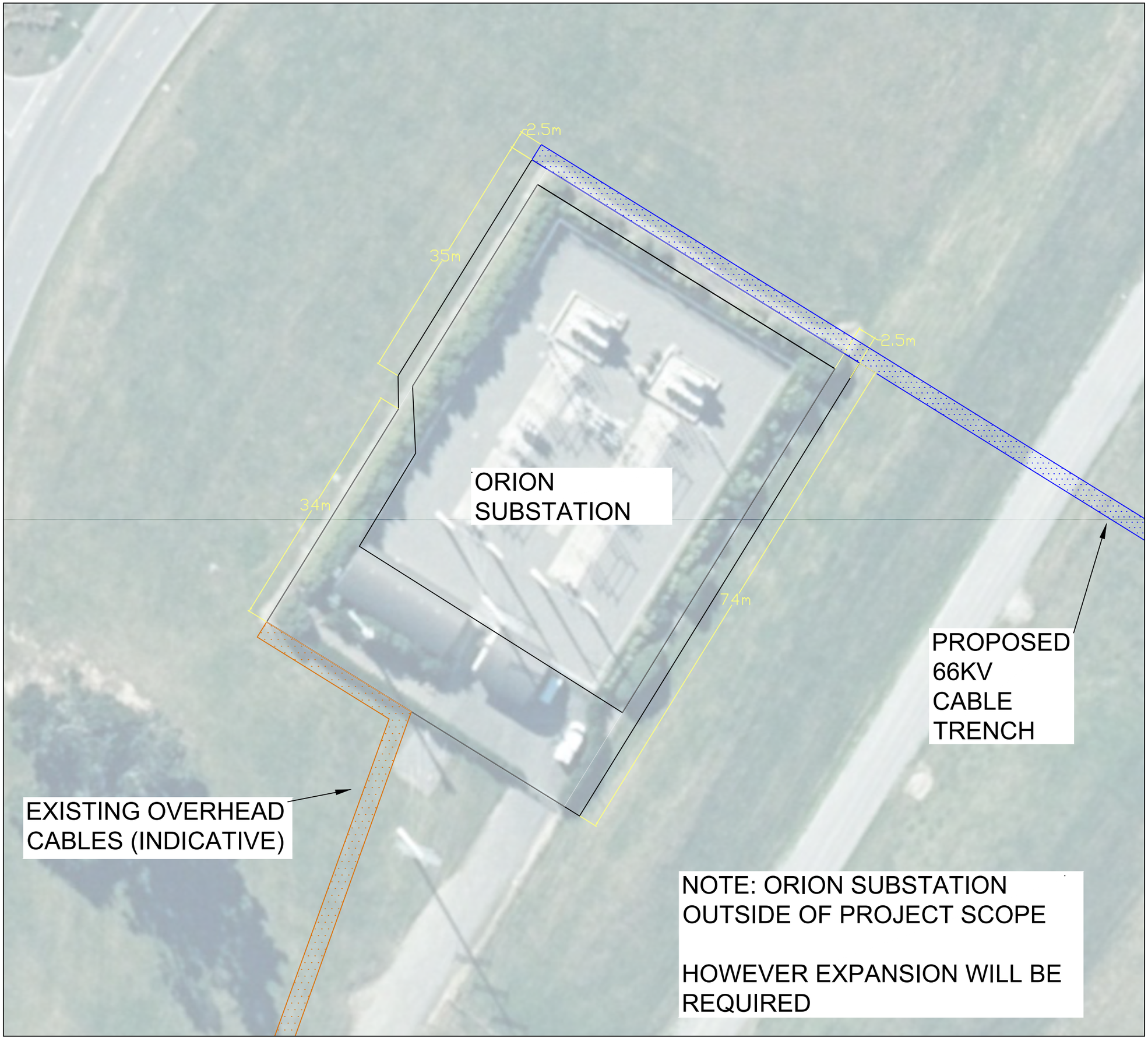
Panel Frame Layout

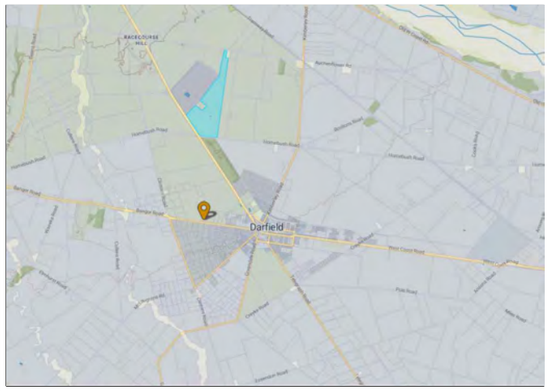


Title	CABLE ROUTE
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand
DC Capacity	117.4 MW
Annual	210 GWh / Year

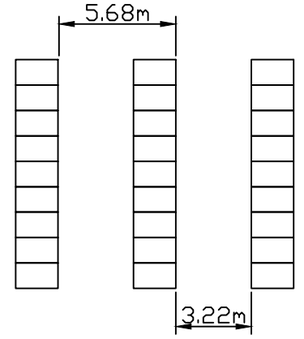
NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-002
Revison #: 10
Date: 19/08/2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING





Panel Frame Layout

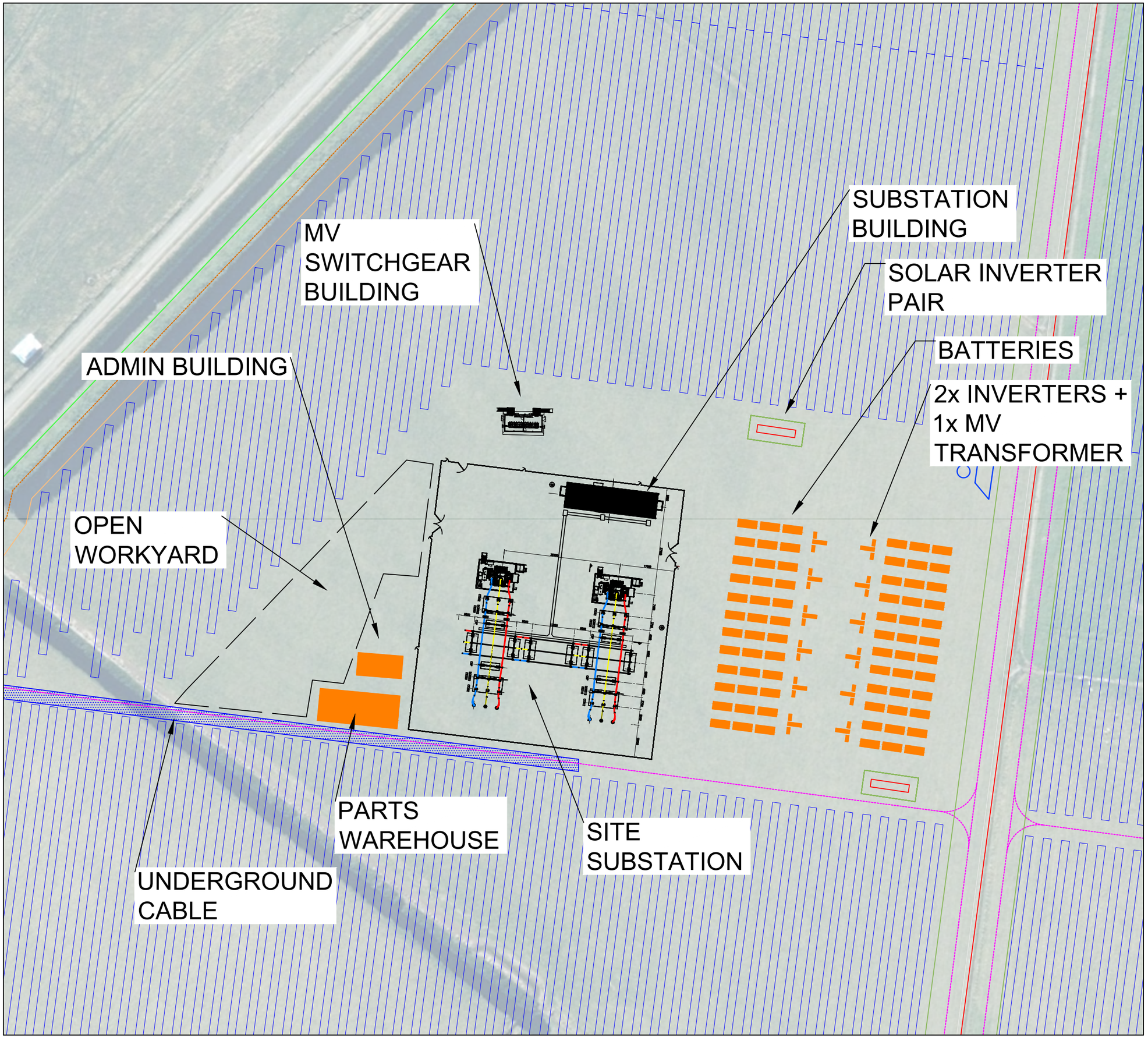


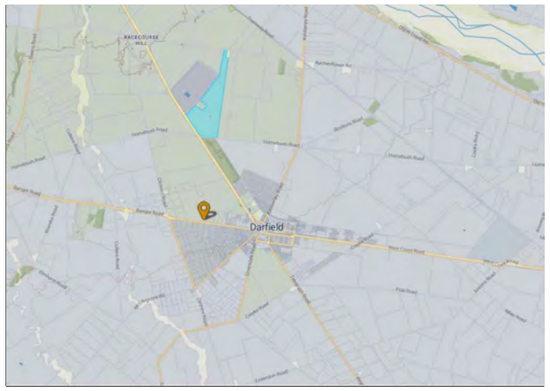
Title	Orion Substation
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand
DC Capacity	117.4 MW
Annual	210 GWh / Year

NZ CLEAN ENERGY

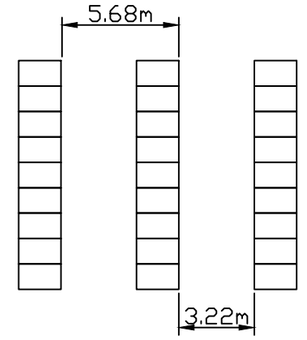
NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-003
Revison #: 10
Date: 19/8/2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING





Panel Frame Layout

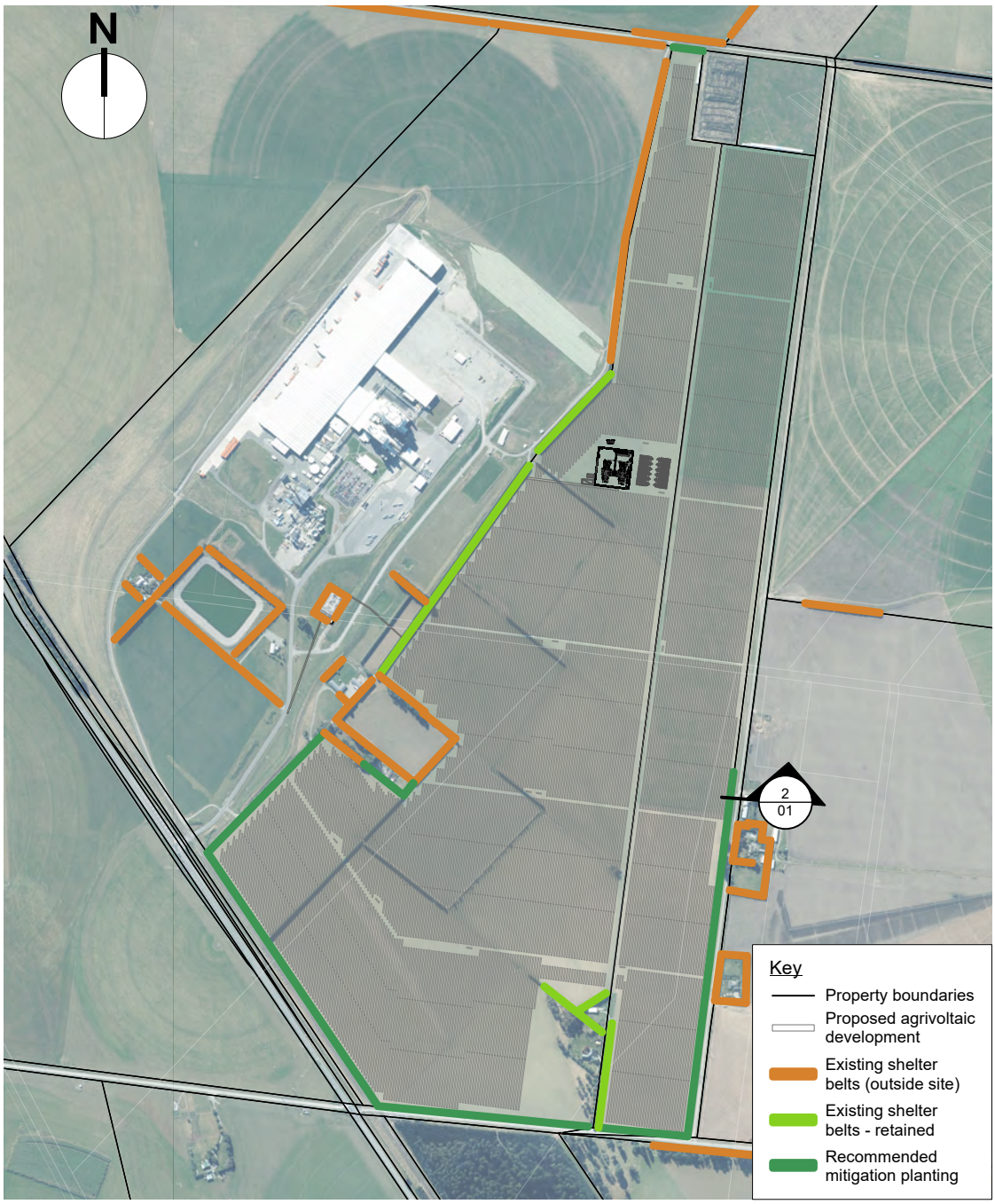


Title	BESS & SWITCHYARD
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand
DC Capacity	117.4 MW
Annual	210 GWh / Year

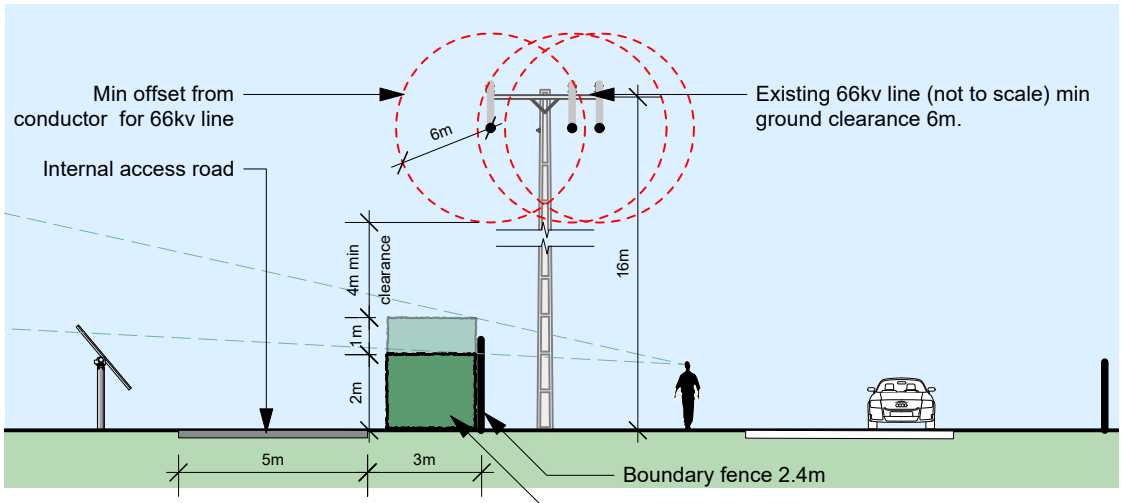
NZ Clean Energy
Email: projects@nzcleanenergy.nz
Web: www.nzcleanenergy.nz

Drawing #: DAR-004
Revison #: 10
Date: 19/8/2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING

APPENDIX FIVE: MITIGATION PLAN



1 Mitigation Planting Plan
Scale: 1:15000



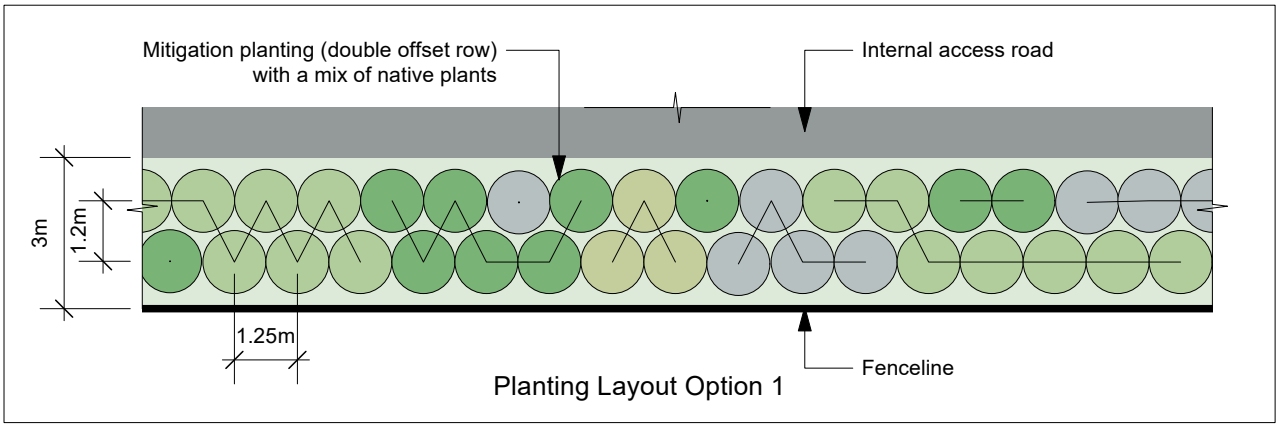
2 Section (Typical)
Scale: Not to Scale

DRAWING NO. 01

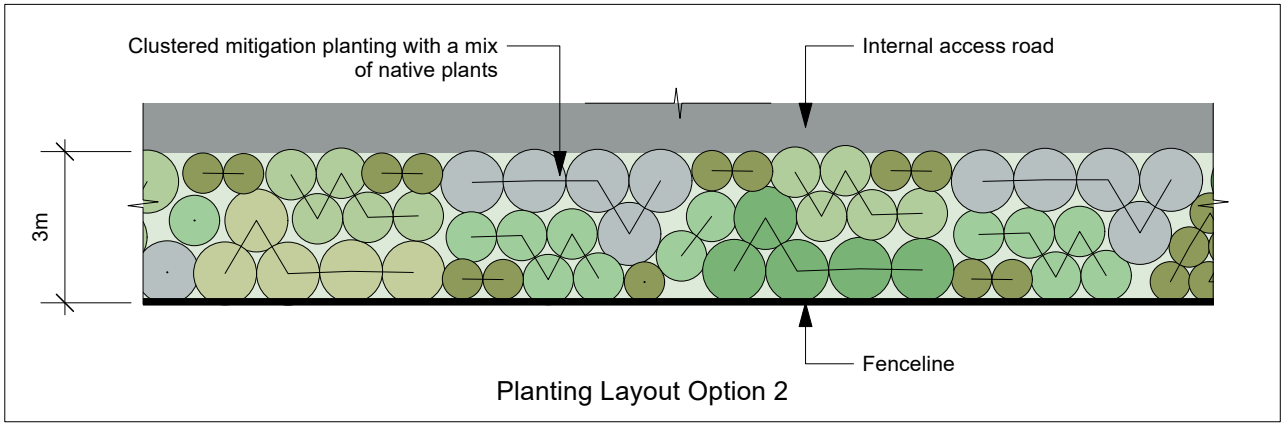
MITIGATION PLANTING PLAN

PROPOSED DARFIELD AGRIVOLTAIC DEVELOPMENT | SCALE SHOWN @ A4 | DATE 10/07/24 | RD

mansergh graham LANDSCAPE ARCHITECTS



Planting Layout Option 1



Planting Layout Option 2

Suggested Plant Species

Botanical Name	Common Name	Mature size (ht x wth)	Yrs to 3m	Flammability [1]	Min size at planting	Plant spacing
Exotic - Single species border						
Pinus sp	Pine	25m x 7m	4yr	x	20-30cm	2m
Native - Single species border						
Griselinia littoralis	Kapuka	6m x 2.5m	5yr	Low	20-30cm	1m
Pittosporum tenuifolium	Kohuhu	6m x 3m	3-4yr	Moderate	20-30cm	1m
Native - Mixed species border						
**Coprosma cotoneaster	Korokio	3m x 2m	5-7yr	x	20-30cm	1
Coprosma crassifolia	Mingimingi	4m x 2m	3yr	Low	20-30cm	1m
Coprosma propinqua	Mingimingi	5m x 2.5m	5yr	Low	20-30cm	1m
Coprosma robusta	Karamu	5m x 4m	5yr	Low	20-30cm	1m
**Coprosma rugosa	Needle-leaved Mountain Coprosma	3m x 2m	5yr	x	20-30cm	1m
Coprosma virescens	Mikimiki	5m x 3m	5-7yr	x	20-30cm	1m
Corokia cotoneaster	Korokio	3m x 2m	7yr	x	20-30cm	1m
Griselinia littoralis	Kapuka/Broadleaf	6m x 2.5m	5yr	Low	20-30cm	1m
Griselinia littoralis Canterbury	Kapuka/ Broadleaf	4m x 2m	5yr	Low	20-30cm	1m
*Myrsine australis	Red matipo	5m x 3m		Low	20-30cm	1m
Lophomyrtus obcordata	Rohutu	5m x 2.5m	5yr	x	20-30cm	1m
Olearia avicenniifolia	Mountain akeake	4m x 3m	5+	x	20-30cm	1m
Olearia lineata 'Dartonii'	Twiggy Tree Daisy	4m x 3m	5yr	x	20-30cm	
Olearia paniculata	Akiraho/Golden Ake Ake	4m x 2.5m	5yr	x	20-30cm	1m
Olearia solandri	Coastal Shrub Daisy	4m x 2m	5yr	x	20-30cm	1m
*Pittosporum eugenioides	Tarata/lemonwood	9m x 3m	5yr	Low/mod	20-30cm	1m
Pittosporum ralphii	Ralph's karo	5m x 3m	5yr	x	20-30cm	1m
Pittosporum tenuifolium	Kohuhu	6m x 3m	3-4yr	Moderate	20-30cm	1m
Veronica salicifolia	Koromiko	4m x 2m	5yr	Low/mod	20-30cm	1m

x = flammability not listed in the Fire Emergency New Zealand Low Flammability Plant List (unknown)
* Tips can be frosted when young but will recover after 2 yrs.
**Presumed this plant will have the same flammability as the other plants of the same species listed

APPENDIX SIX: VIEW LOCATION PHOTOGRAPHS & VISUAL SIMULATIONS

View Location Data

NZTM Easting:	1,525,977E
NZTM Northing:	5,187,106N
Focal length:	50mm
Photographer:	D. Mansergh
Camera:	Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time:	3rd May 2024 at 3:52pm
Viewing Distance:	A3 image should be 500mm to approximate actual scale.

Group 1: VL 3 - Photograph From The Intersection of Homebush Rd and SH73 (Looking Northeast)

View Location Data

NZTM Easting: 1,525,977E
NZTM Northing: 5,187,106N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 3:52pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Solar Panel Tilt 45°

Group 1: VL 3 - Visual Simulation From The Intersection of Homebush Rd and SH73 (Looking Northeast)

Proposed Darfield Agrivoltaic Development. July 2024. RD

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting:	1,525,977E
NZTM Northing:	5,187,106N
Focal length:	50mm
Photographer:	D. Mansergh
Camera:	Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time:	3rd May 2024 at 3:52pm
Viewing Distance:	A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Mitigation Planting

Group 1: VL 3 - Visual Simulation From The Intersection of Homebush Rd and SH73 With Mitigation Planting

Proposed Darfield Agrivoltaic Development. July 2024. R0

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting: 1,525,977E
NZTM Northing: 5,187,106N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 3:52pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design.

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Solar Panel Tilt 45°

Group 1: VL 3 - Panorama From The Intersection of Homebush Rd and SH73 (Looking Northeast)

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting: 1,525,977E
NZTM Northing: 5,187,106N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 3:52pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design.

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

MITIGATION PLANTING

GROUP 1: VL 3 - PANORAMA FROM THE INTERSECTION OF HOMEBUSH RD AND SH73 (LOOKING NORTHEAST)

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting: 1,525,634E
NZTM Northing: 5,187,690N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 1:36pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

Group 1: VL 5 - Existing View From The Entrance to the Darfield Dairy Factory Next to SH73 (Looking East)

View Location Data

NZTM Easting: 1,525,634E
NZTM Northing: 5,187,690N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 1:36pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Solar Panel Tilt 15°

Group 1: VL 5 - Visual Simulation From The Entrance to the Darfield Dairy Factory Next to SH73 (Looking East)

View Location Data

NZTM Easting: 1,525,634E
NZTM Northing: 5,187,690N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 1:36pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels orientation not necessarily aligned with the sun on the day and time of photography.

Solar Panel Tilt 60°

Group 1: VL 5 - Visual Simulation From The Entrance to the Darfield Dairy Factory Next to SH73 (Looking East)

View Location Data

NZTM Easting:	1,525,634E
NZTM Northing:	5,187,690N
Focal length:	50mm
Photographer:	D. Mansergh
Camera:	Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time:	3rd May 2024 at 1:36pm
Viewing Distance:	A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

MITIGATION PLANTING

GROUP 1: VL 5 - VISUAL SIMULATION FROM THE ENTRANCE TO THE DARFIELD DAIRY FACTORY NEXT TO SH73 (LOOKING EAST)

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting:	1,525,634E
NZTM Northing:	5,187,690N
Focal length:	50mm
Photographer:	D. Mansergh
Camera:	Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time:	3rd May 2024 at 1:36pm
Viewing Distance:	A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design.

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Solar Panel Tilt 15°

Group 1: VL 5 - Panorama From The Entrance to the Darfield Dairy Factory Next to SH73 (Looking East)

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting:	1,525,634E
NZTM Northing:	5,187,690N
Focal length:	50mm
Photographer:	D. Mansergh
Camera:	Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time:	3rd May 2024 at 1:36pm
Viewing Distance:	A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design.

Panels orientation not necessarily aligned with the sun on the day and time of photography.

Solar Panel Tilt 60°

Group 1: VL 5 - Panorama From The Entrance to the Darfield Dairy Factory Next to SH73 (Looking East)

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting:	1,525,634E
NZTM Northing:	5,187,690N
Focal length:	50mm
Photographer:	D. Mansergh
Camera:	Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time:	3rd May 2024 at 1:36pm
Viewing Distance:	A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design.

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Mitigation Planting

Group 1: VL 5 - Panorama From The Entrance to the Darfield Dairy Factory Next to SH73 (Looking East)

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting: 1,524,633.97E
NZTM Northing: 5,187,172.43N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date: 3rd May 2024
Viewing Distance: A3 image should be 500mm to approximate actual scale.

Group 2: VL 6 - Panorama From Homebush Road (Looking East Towards the Site)

View Location Data

NZTM Easting: 1,526,766.64E
NZTM Northing: 5,187,010.62N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date: 19th October 2023
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA.

Group 3: VL 9 - Panorama From Homebush Road (Looking North Towards the Site)

View Location Data

NZTM Easting: 1,526,807E
NZTM Northing: 5,187,331N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 12:03pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

Group 4: VL 12 - Existing View From The Entrance to 32 Loes Road (Looking Northwest)

View Location Data

NZTM Easting:	1,526,807E
NZTM Northing:	5,187,331N
Focal length:	50mm
Photographer:	D. Mansergh
Camera:	Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time:	3rd May 2024 at 12:03pm
Viewing Distance:	A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Solar Panel Tilt 0°

Group 4: VL 12 - Visual Simulation From The Entrance to 32 Loes Road (Looking Northwest)

View Location Data

NZTM Easting: 1,526,807E
NZTM Northing: 5,187,331N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 12:03pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels orientation not necessarily aligned with the sun on the day and time of photography.

Solar Panel Tilt 60°

Group 4: VL 12 - Visual Simulation From The Entrance to 32 Loes Road (Looking Northwest)

View Location Data

NZTM Easting: 1,526,807E
NZTM Northing: 5,187,331N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 12:03pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

MITIGATION PLANTING

GROUP 4: VL 12 - VISUAL SIMULATION FROM THE ENTRANCE TO 32 LOES ROAD WITH MITIGATION PLANTING

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting: 1,526,807E
NZTM Northing: 5,187,331N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 12:03pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design.

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Solar Panel Tilt 0°

Group 4: VL 12 - Panorama From The Entrance to 32 Loes Road (Looking Northwest)

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting:	1,526,807E
NZTM Northing:	5,187,331N
Focal length:	50mm
Photographer:	D. Mansergh
Camera:	Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time:	3rd May 2024 at 12:03pm
Viewing Distance:	A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design.

Panels orientation not necessarily aligned with the sun on the day and time of photography.

Solar Panel Tilt 60°

Group 4: VL 12 - Panorama From The Entrance to 32 Loes Road (Looking Northwest)

View Location Data

NZTM Easting: 1,526,807E
NZTM Northing: 5,187,331N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 12:03pm
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design.

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Mitigation Planting

Group 4: VL 12 - Panorama From The Entrance to 32 Loes Road (Looking Northwest)

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting: 1,526,849E
NZTM Northing: 5,187,684N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 11:53am
Viewing Distance: A3 image should be 500mm to approximate actual scale.

Group 4: VL 13 - Existing View From The Entrance to 68 Loes Road (Looking west)

View Location Data

NZTM Easting: 1,526,849E
NZTM Northing: 5,187,684N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 11:53am
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Solar Panel Tilt 0°

Group 4: VL 13 - Visual Simulation From The Entrance to 68 Loes Road (Looking west)

Proposed Darfield Agrivoltaic Development. July 2024. R1

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting: 1,526,849E
NZTM Northing: 5,187,684N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 11:53am
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels orientation not necessarily aligned with the sun on the day and time of photography.

Solar Panel Tilt 60°

Group 4: VL 13 - Visual Simulation From The Entrance to 68 Loes Road (Looking west)

mansergh graham
LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting: 1,526,849E
NZTM Northing: 5,187,684N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 11:53am
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels orientation not necessarily aligned with the sun on the day and time of photography.

2m Mitigation Planting

Group 4: VL 13 - Visual Simulation From The Entrance to 68 Loes Road With Mitigation Planting

View Location Data

NZTM Easting: 1,526,849E
NZTM Northing: 5,187,684N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 11:53am
Viewing Distance: A3 image should be 500mm to approximate actual scale..

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels orientation not necessarily aligned with the sun on the day and time of photography.

3m Mitigation Planting

Group 4: VL 13 - Visual Simulation From The Entrance to 68 Loes Road With Mitigation Planting

mansergh graham LANDSCAPE ARCHITECTS

Solar Panel Tilt 0°

View Location Data

NZTM Easting: 1,526,849E
NZTM Northing: 5,187,684N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 11:53am
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design.

Panels have been represented as they would theoretically appear with respect to the day and time of photography.

Group 4: VL 13 - Panorama From The Entrance to 68 Loes Road (Looking west)

mansergh graham LANDSCAPE ARCHITECTS

View Location Data

NZTM Easting: 1,526,849E
NZTM Northing: 5,187,684N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 11:53am
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels orientation not necessarily aligned with the sun on the day and time of photography.

Solar Panel Tilt 60°

Group 4: VL 13 - Panorama From The Entrance to 68 Loes Road (Looking west)

View Location Data

NZTM Easting: 1,526,849E
NZTM Northing: 5,187,684N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 11:53am
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels orientation not necessarily aligned with the sun on the day and time of photography.

2m Mitigation Planting

Group 4: VL 13 - Panorama From The Entrance to 68 Loes Road (Looking west)

3m Mitigation Planting

View Location Data

NZTM Easting: 1,526,849E
NZTM Northing: 5,187,684N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date and Time: 3rd May 2024 at 11:53am
Viewing Distance: A3 image should be 500mm to approximate actual scale.

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Vectorworks, Adobe Photoshop, City Engine 2023 and ArcGIS Pro, in accordance with NZILA best practice guidelines. Photo montaging by MGLA. The final layout and location of individual panels may change following detailed design..

Panels orientation not necessarily aligned with the sun on the day and time of photography.

Group 4: VL 13 - Panorama From The Entrance to 68 Loes Road (Looking west)

View Location Data

NZTM Easting: 1,527,059.29E
NZTM Northing: 5,189,273.32N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date: 19th October 2023
Viewing Distance: A3 image should be 500mm to approximate actual scale.

Group 5: VL 15 - Panorama From Loes Road (Looking South Towards the Site)

View Location Data

NZTM Easting: 1,528,231.08E
NZTM Northing: 5,189,719.69N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date: 19th October 2023
Viewing Distance: A3 image should be 500mm to approximate actual scale.

Group 6: VL 21 - Panorama From Tramway Road (Looking Southwest Towards the Site)

View Location Data

NZTM Easting: 1,528,826.00E
NZTM Northing: 5,187,819.68N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date: 19th October 2023
Viewing Distance: A3 image should be 500mm to approximate actual scale.

Group 6: VL 25 - Panorama From Kimberley Road (Looking West Towards the Site)

View Location Data

NZTM Easting: 1,527,342.97E
NZTM Northing: 5,186,165.01N
Focal length: 50mm
Photographer: D. Mansergh
Camera: Canon EOS D5 MK.4 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date: 19th October 2023
Viewing Distance: A3 image should be 500mm to approximate actual scale.

Group 7: VL 29 - Panorama From Landsborough Drive (Looking Northwest Towards the Site)