

## **Appendix 2 CKL Design Plans**

## **AGRIVOLTAIC FACILITY**

# 1352 HOMEBUSH ROAD, DARFIELD DARFIELD SOLAR AND ENERGY LTD

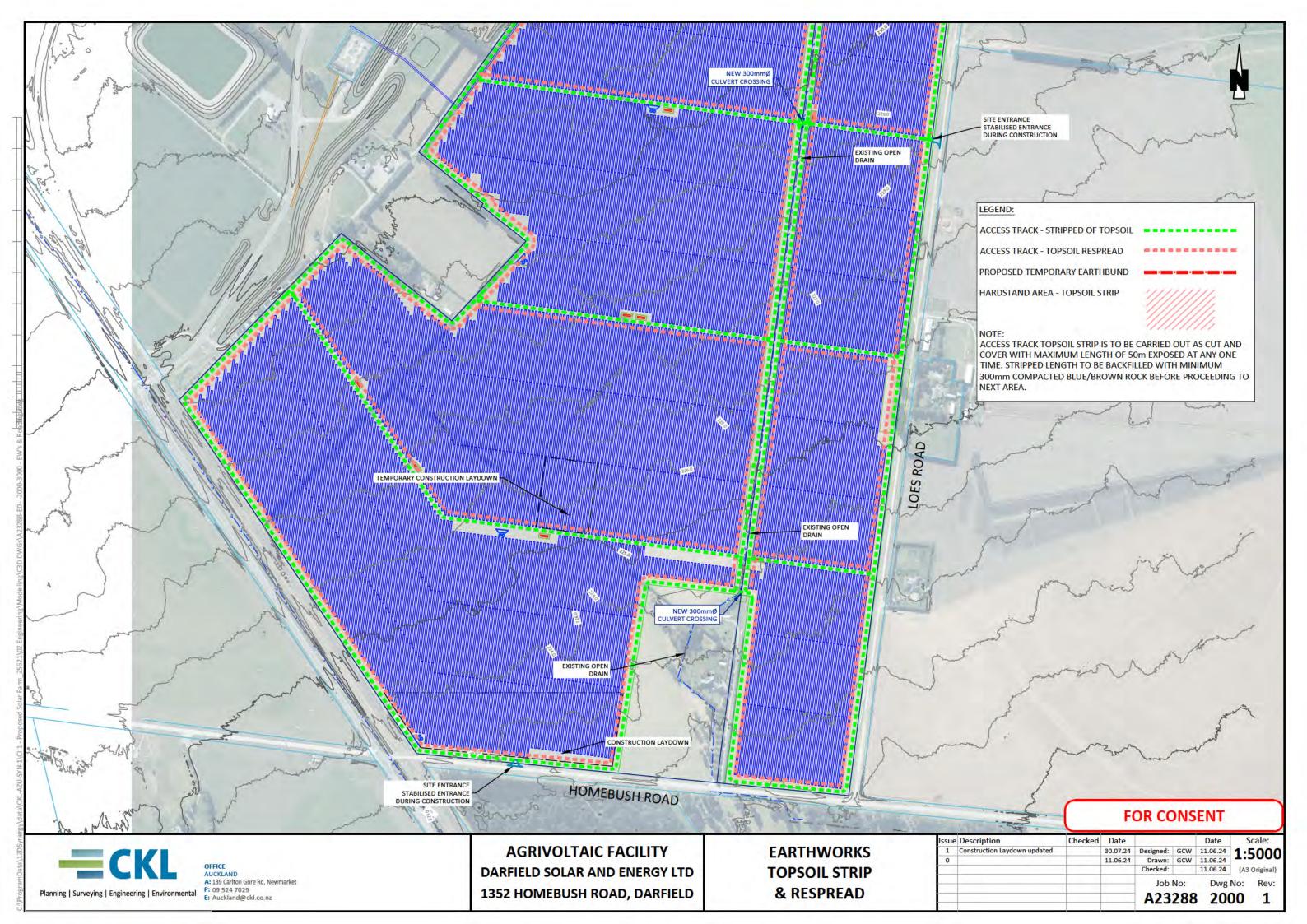


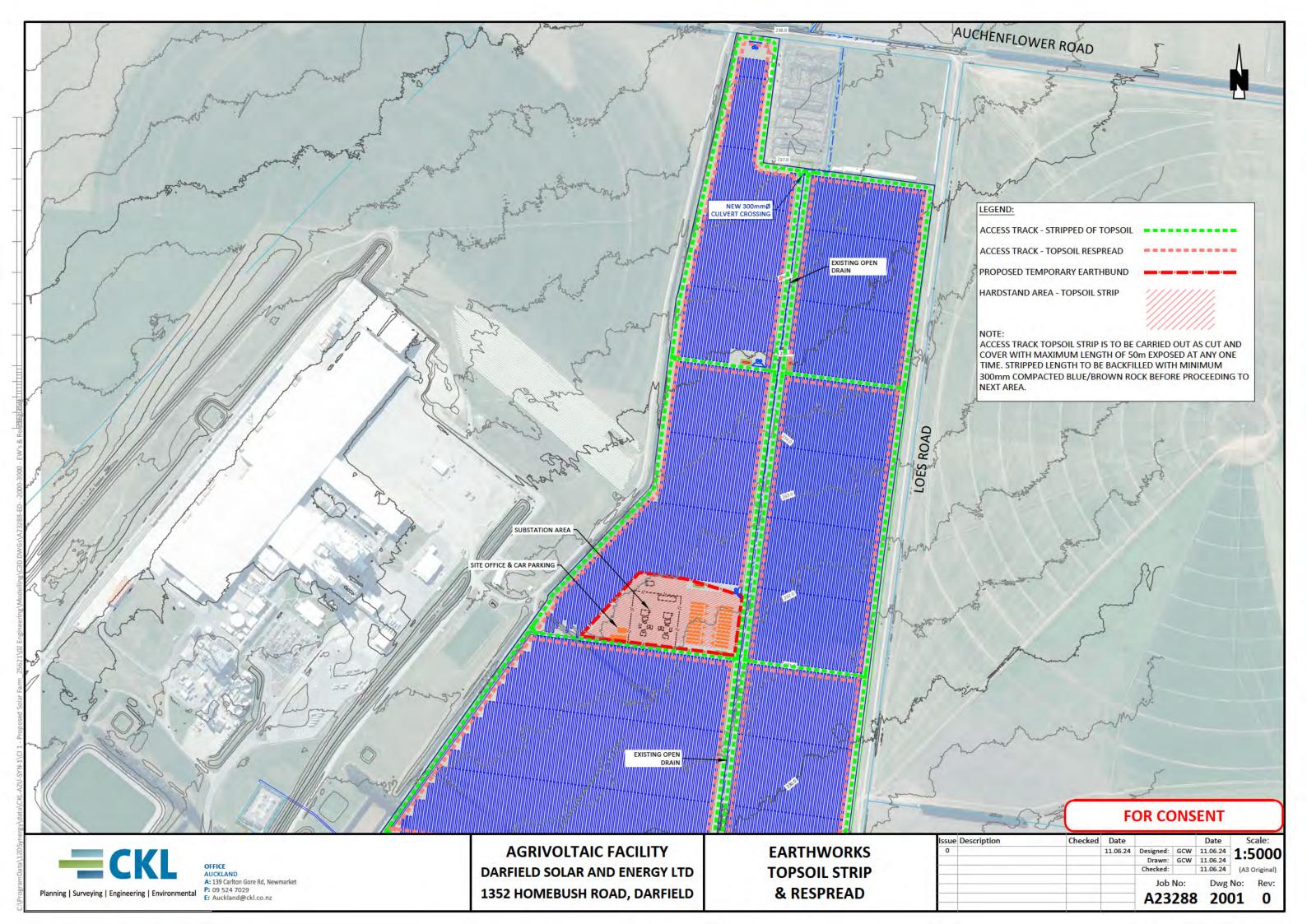
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SHEET NUMBER		SHEET TITLE	REVISION AND ISSUE DATE (YY.MM.DD)					
SHEET IN	JIVIDER	SHEET TILLE	11.06.24	30.07.24			-	
A23288	2000	EARTHWORKS TOPSOIL STRIP & RESPREAD	0	1				
A23288	2001	EARTHWORKS TOPSOIL STRIP & RESPREAD	0					
A23288	2002	EARTHWORKS HARDSTAND AREA EROSION SEDIMENT C	0					
A23288	3000	ROAD LAYOUT LAYOUT OVERVIEW PLAN	0	1				
A23288	3001	ROAD LAYOUT ACCESS TRACKS SHEET 1	0	1				
A23288	3002	ROAD LAYOUT ACCESS TRACKS SHEET 2	0					
A23288	3003	ROAD LAYOUT ACCESS TRACKS SUBSTATION AREA	0					
A23288	3004	ROAD LAYOUT ACCESS TRACKS TYPICAL SECTIONS	0					

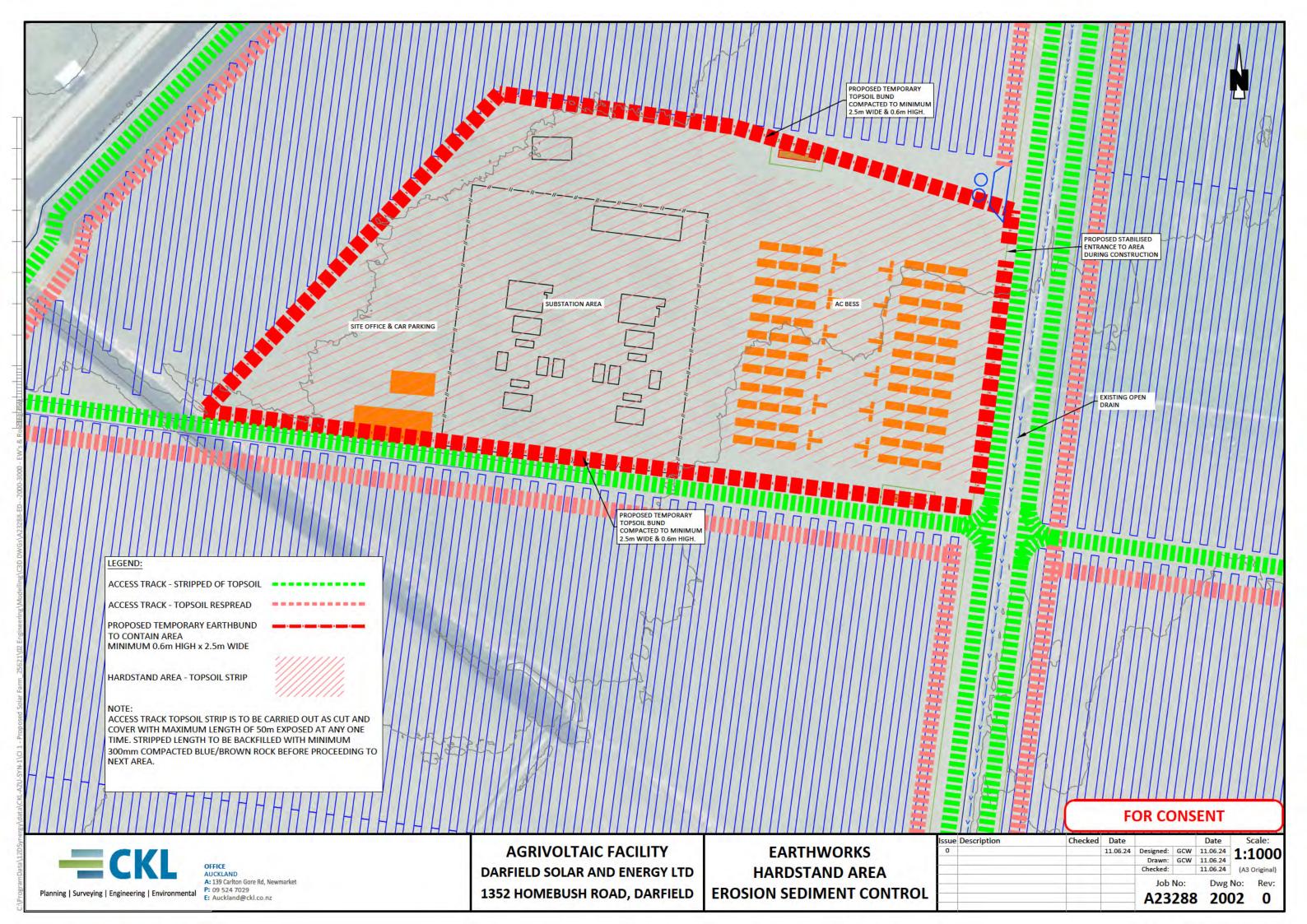


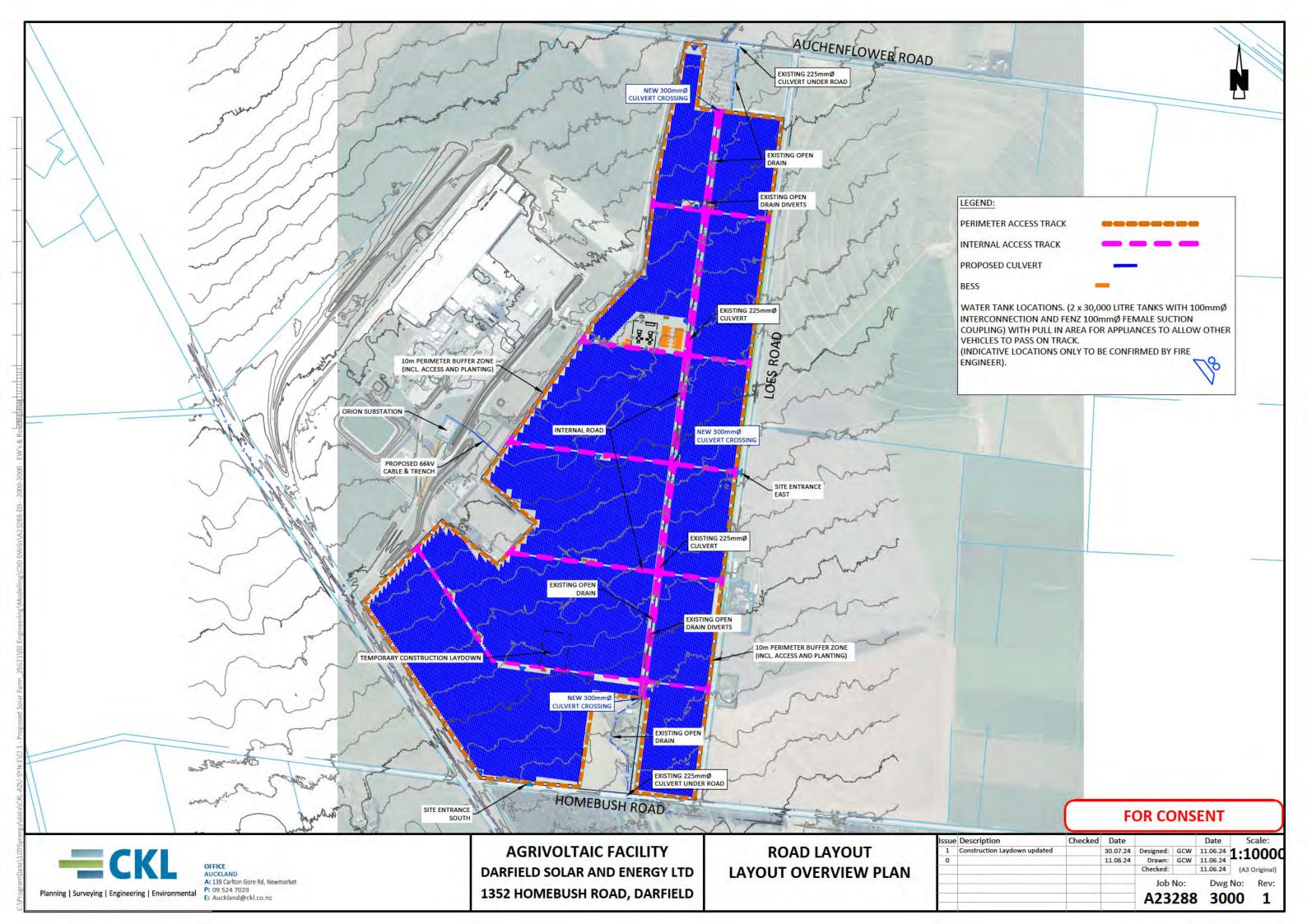
CKL PROJECT NUMBER : A23288 DATE OF ISSUE : 11-06-24

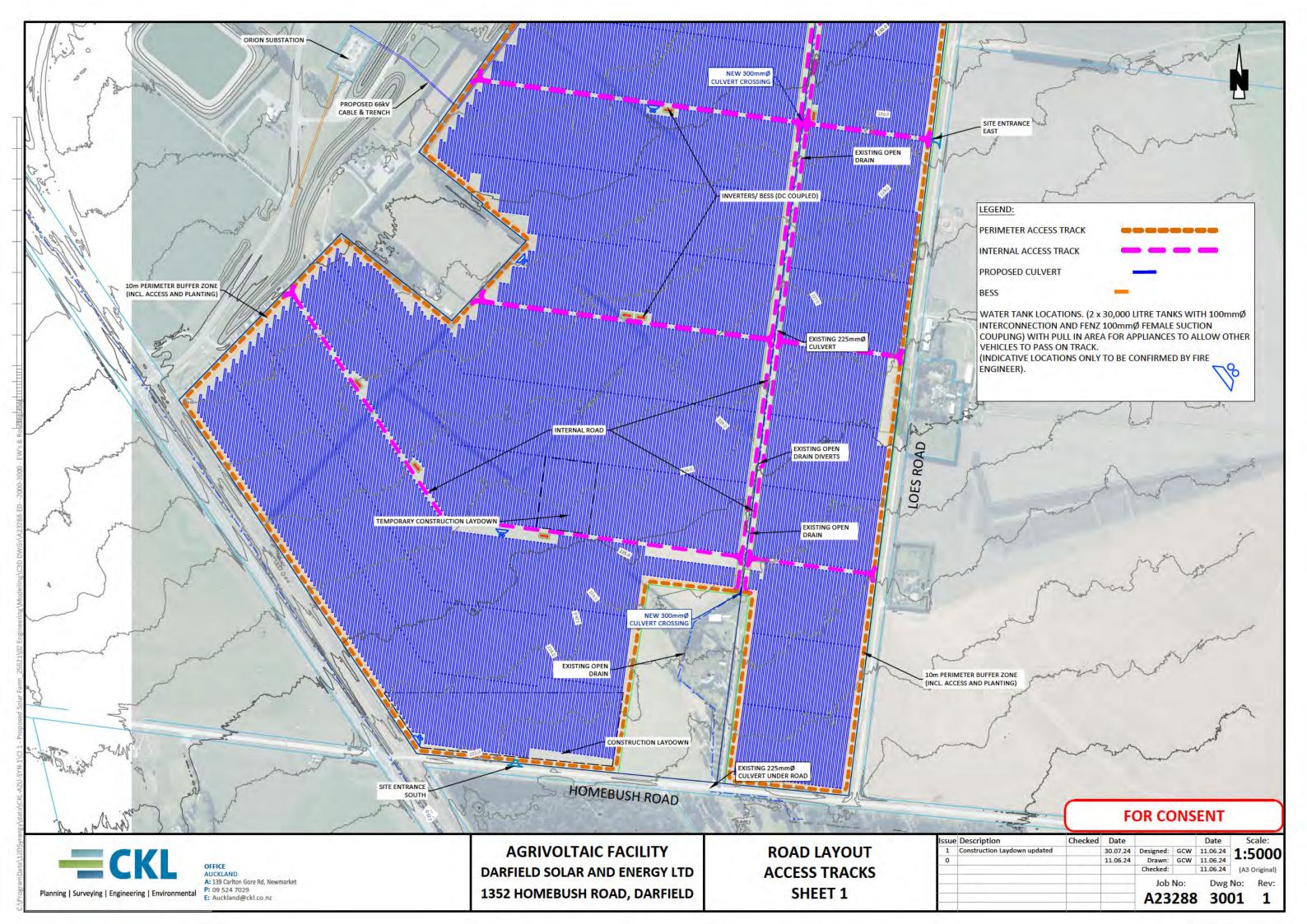
**ISSUED FOR: RESOURCE CONSENT** 

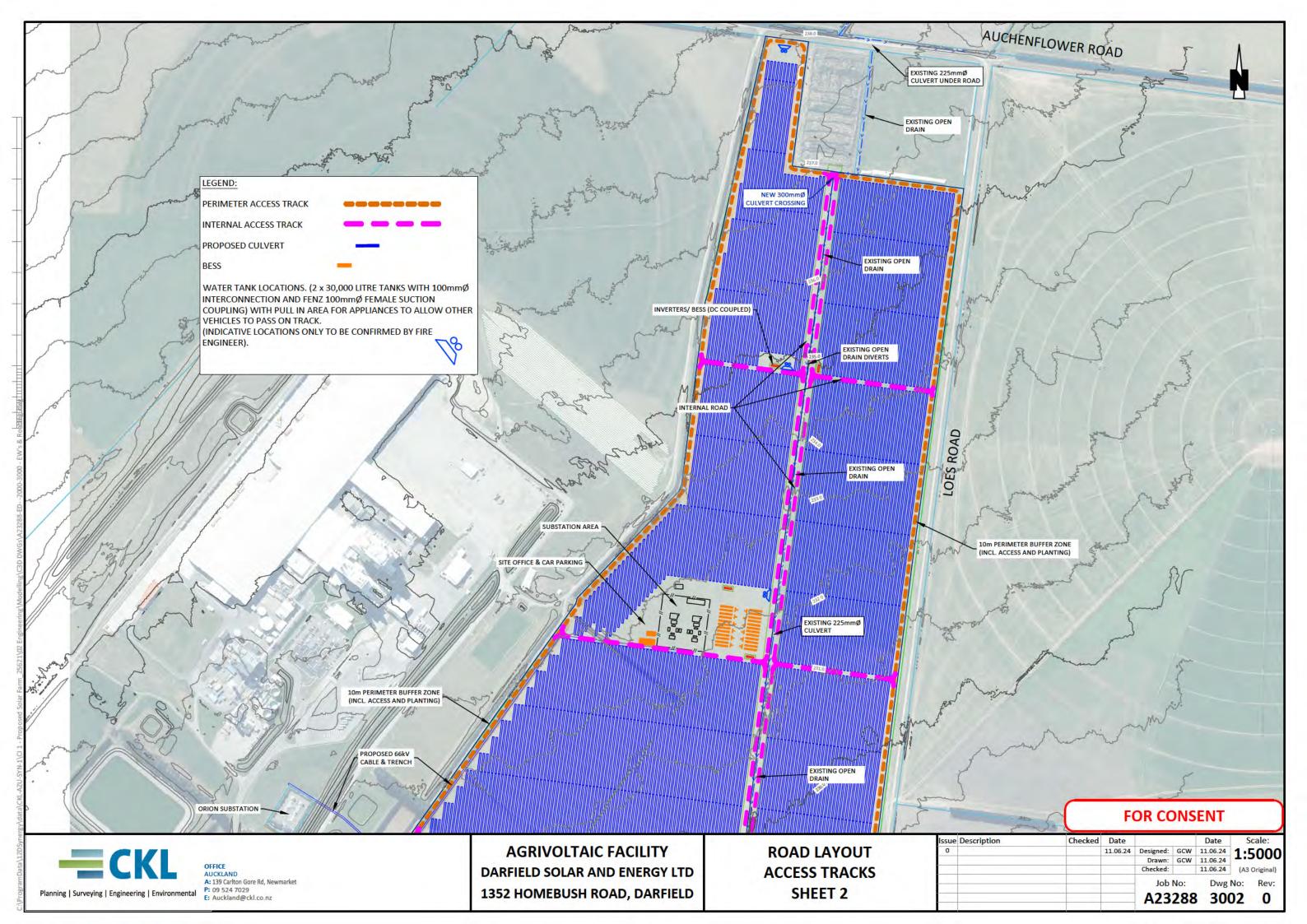


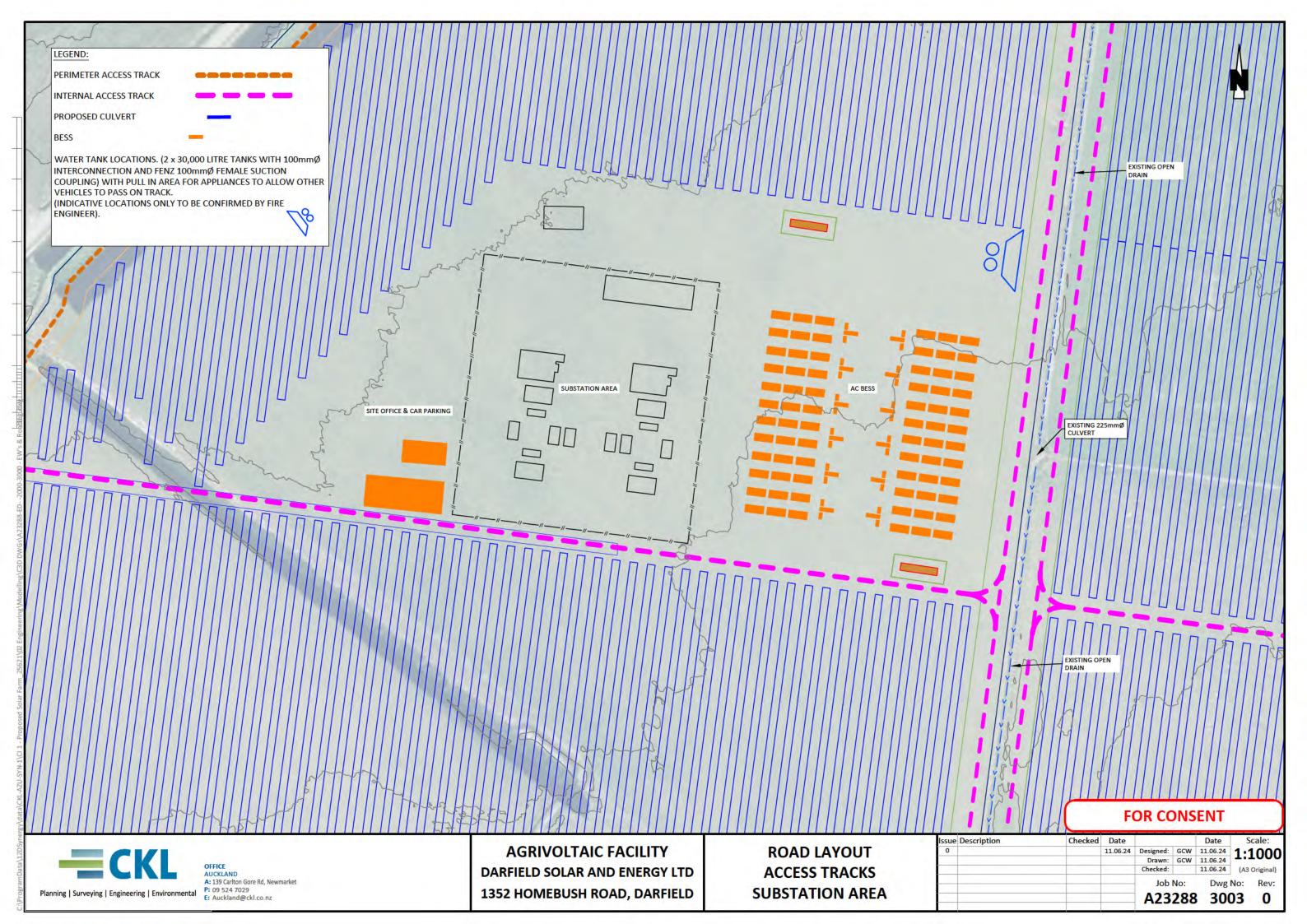




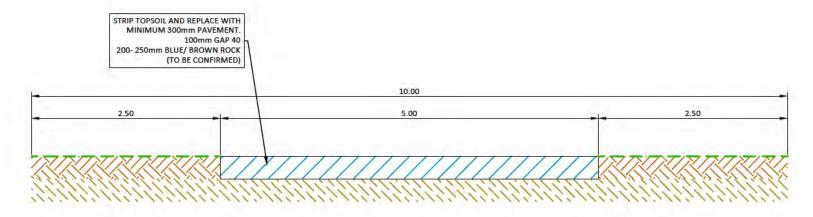




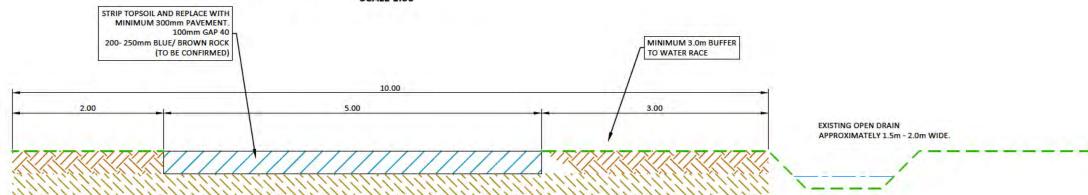




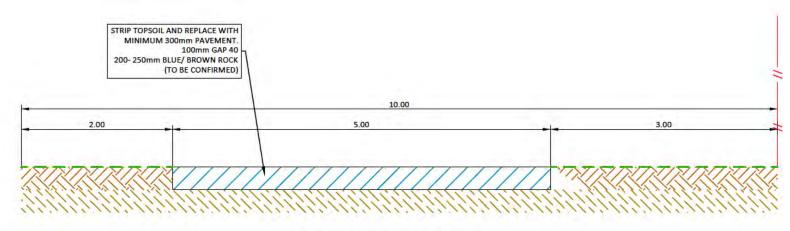




#### INTERNAL SERVICE/ ACCESS TRACK **SCALE 1:50**



### ACCESS TRACK ADJACENT TO OPEN DRAIN SCALE 1:50



### PERIMETER SERVICE/ ACCESS TRACK SCALE 1:50

#### FOR CONSENT



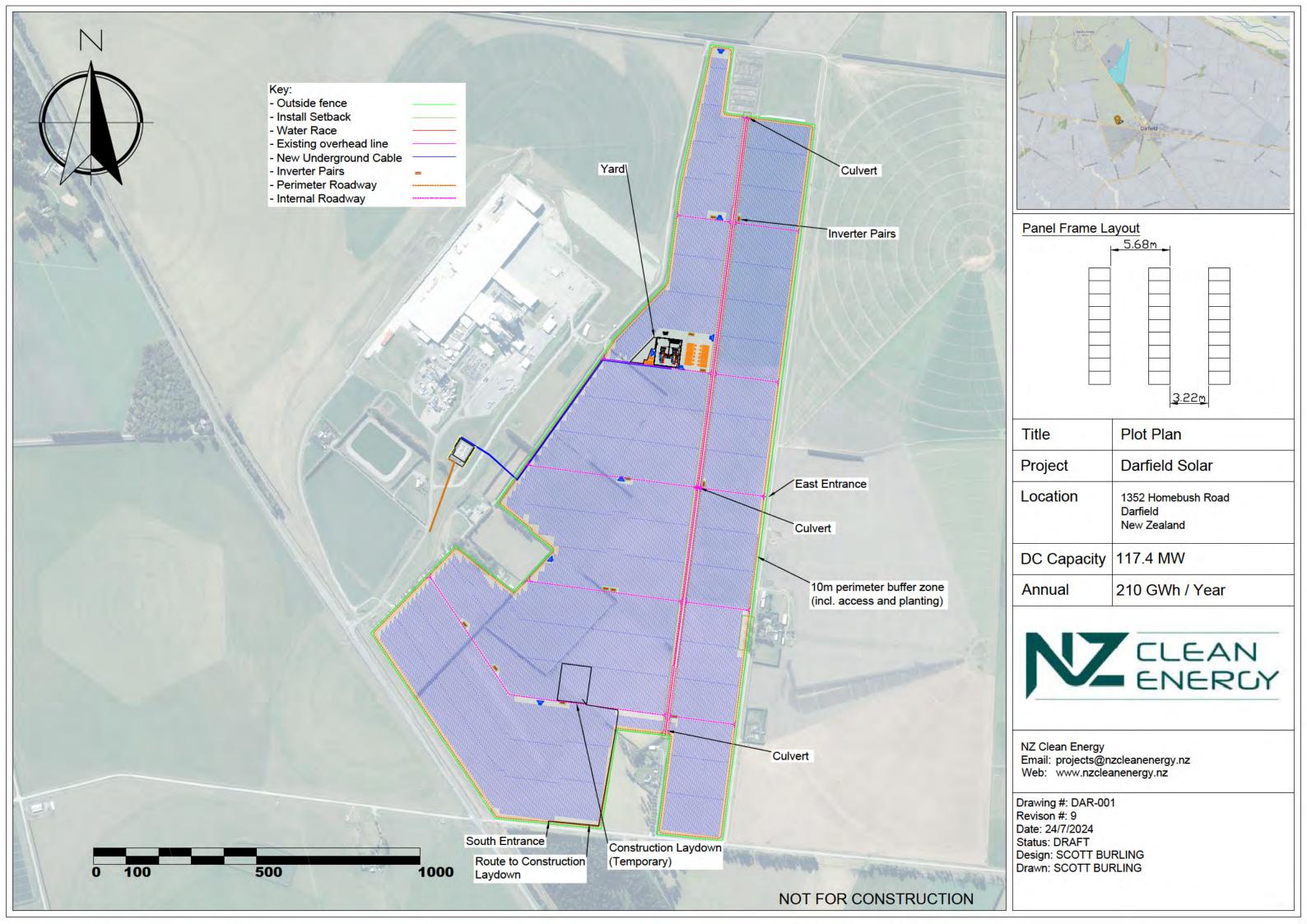
**AGRIVOLTAIC FACILITY DARFIELD SOLAR AND ENERGY LTD** 1352 HOMEBUSH ROAD, DARFIELD

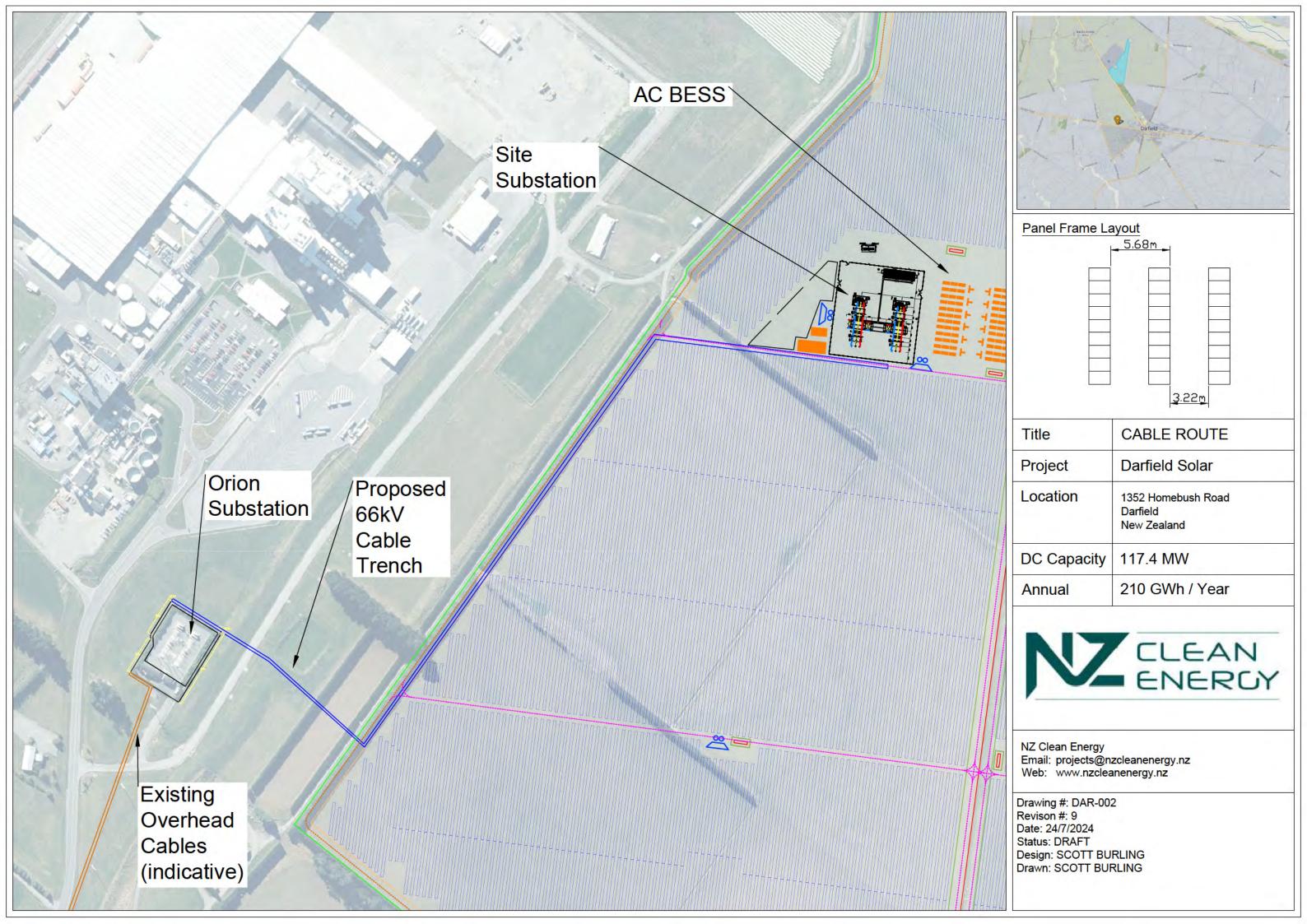
**ROAD LAYOUT ACCESS TRACKS TYPICAL SECTIONS** 

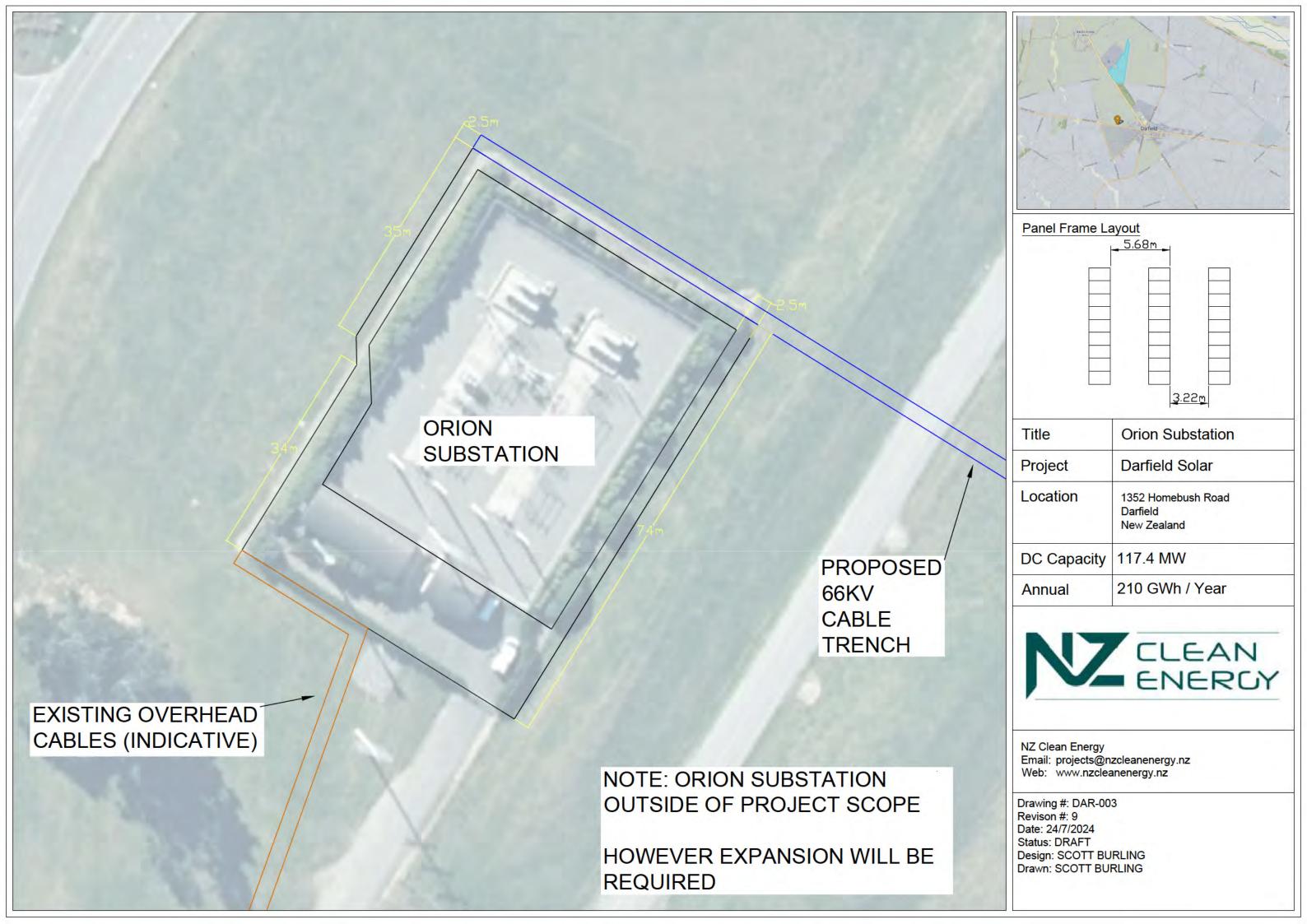
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-			11.00.24	Drawn:	GCW	11.06.24	1:50
				Checked:	-	11.06.24	(A3 Original)
				Job	No:	Dwg	No: Rev:
				A23	288	300	04 0

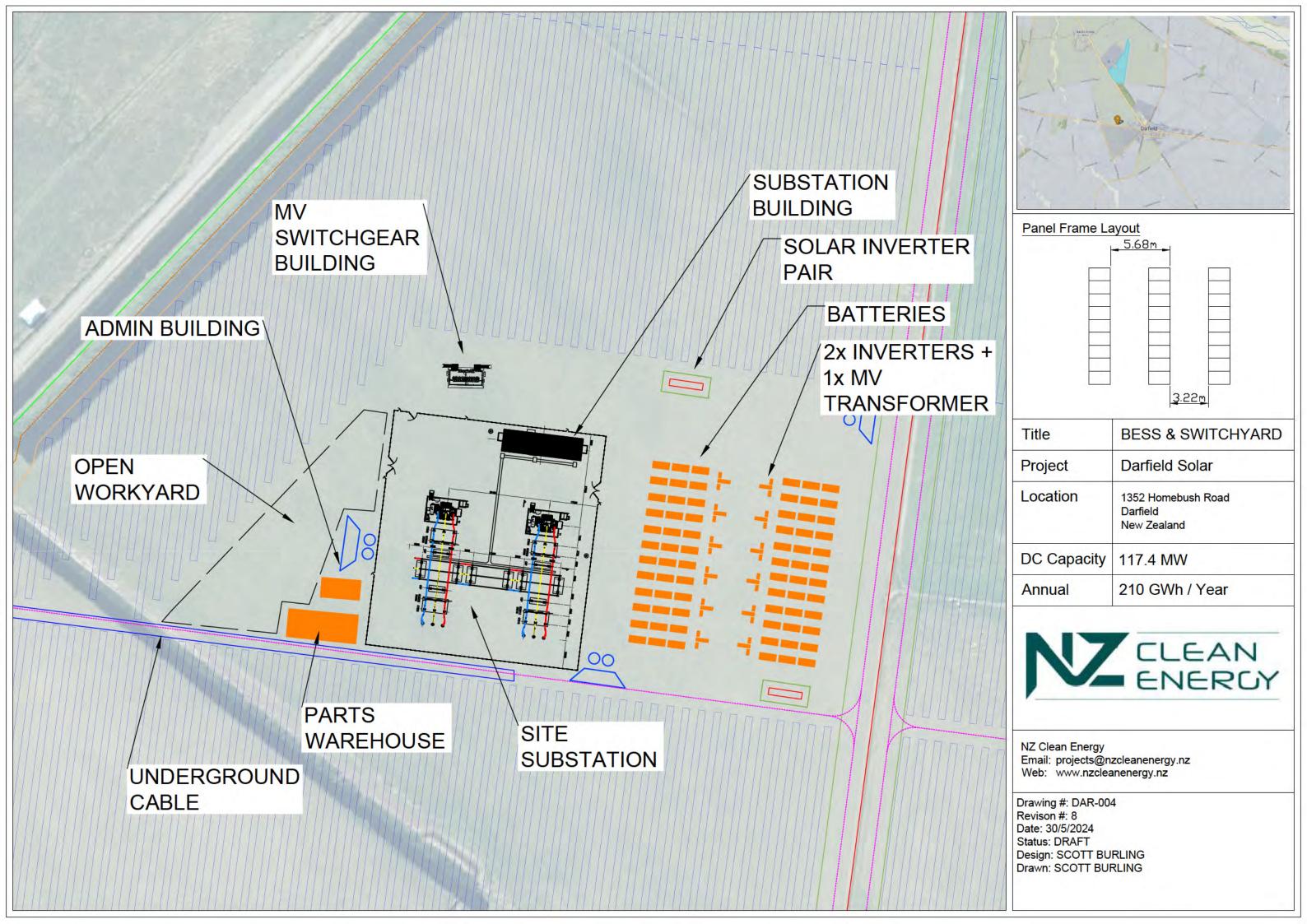


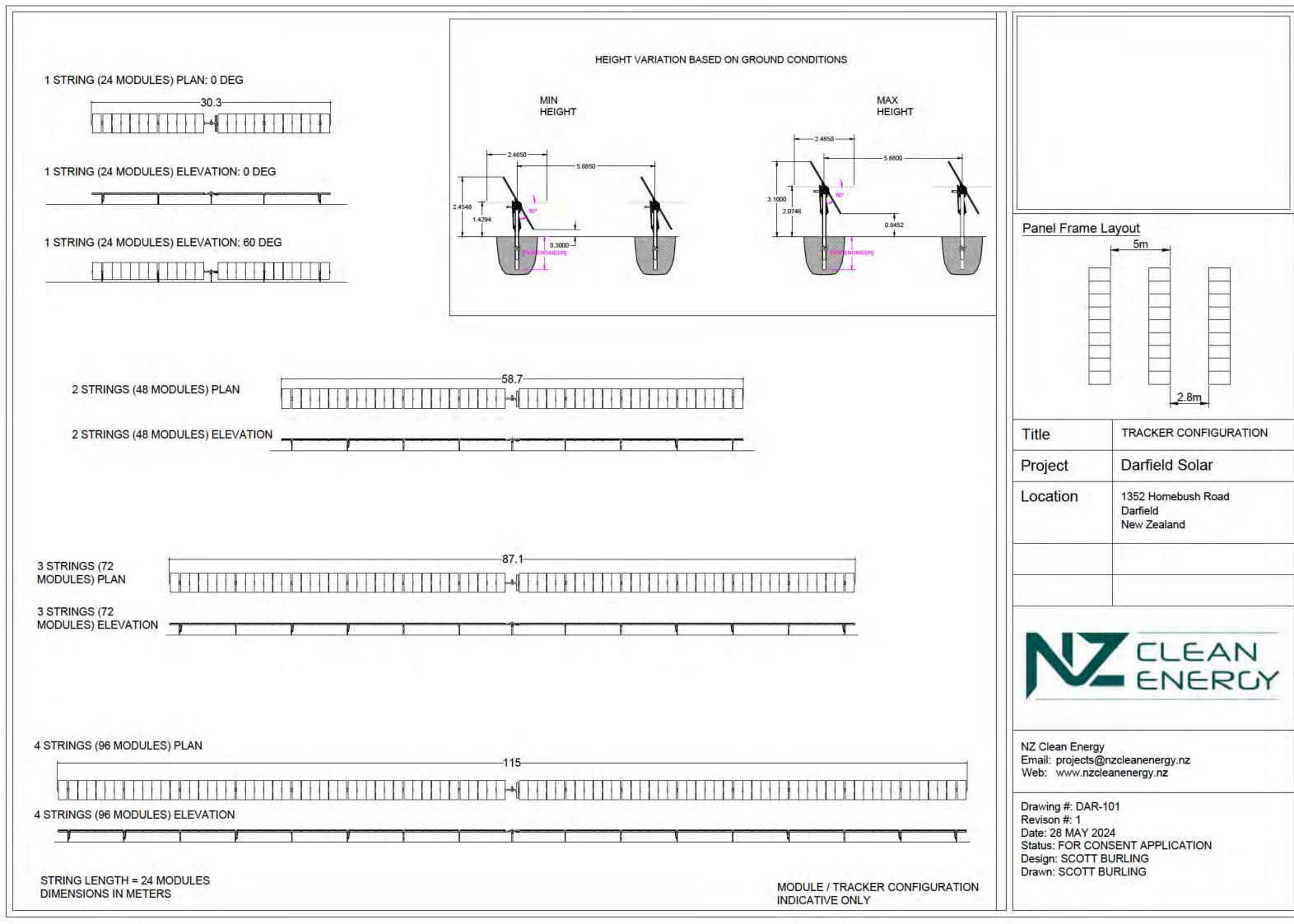
## **Appendix 3** NZ Clean Energy Design Plans

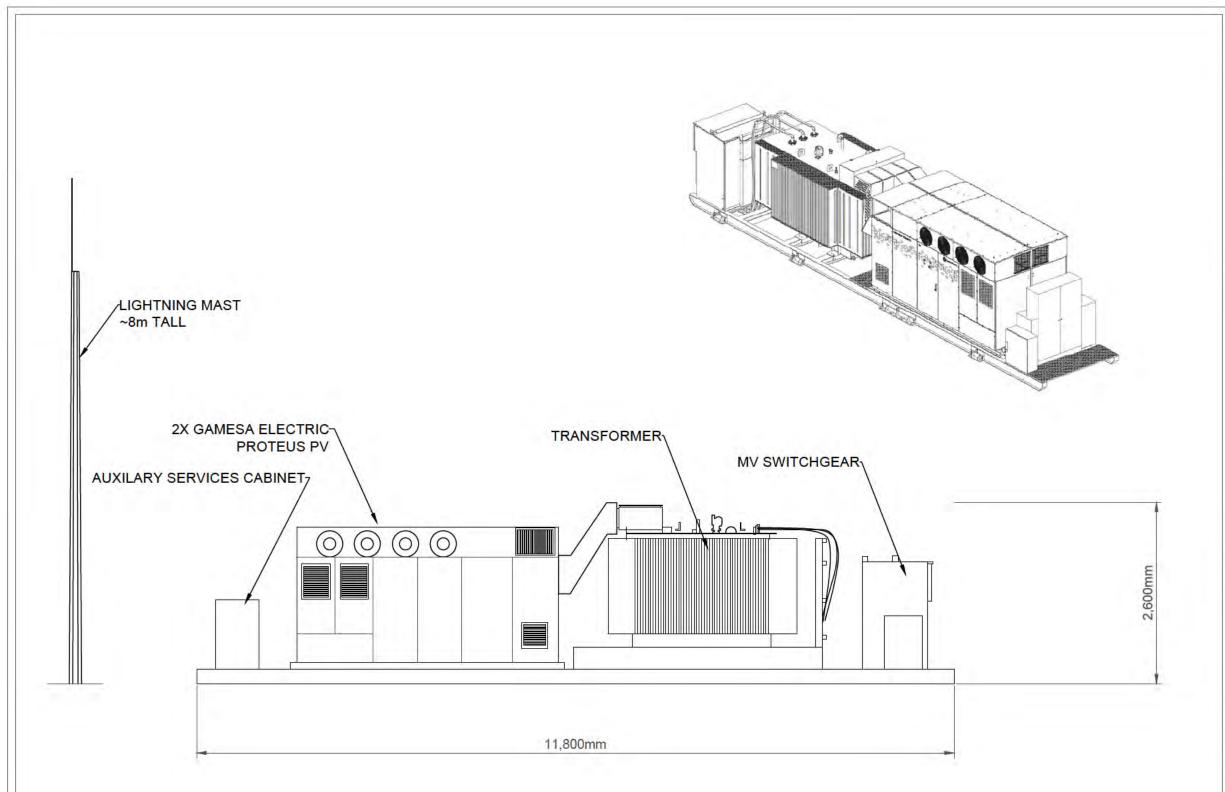












Title INVERTER + MV TRANSFORMER

Project Darfield Solar

Location 1352 Homebush Road
Darfield
New Zealand



NZ Clean Energy

Email: projects@nzcleanenergy.nz Web: www.nzcleanenergy.nz

Drawing #: DAR-102 Revison #: 1

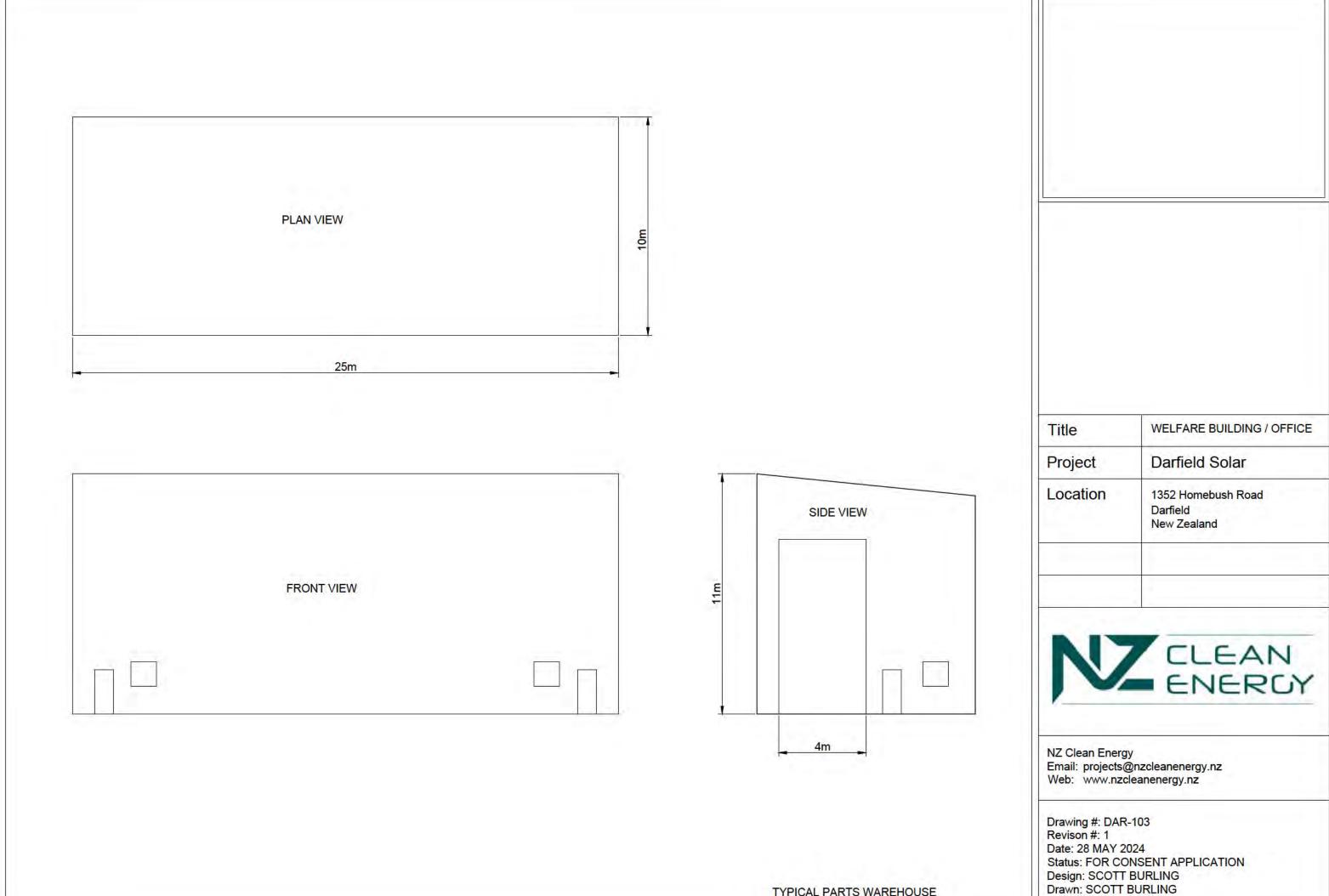
Date: 28 MAY 2024

Status: FOR CONSENT APPLICATION

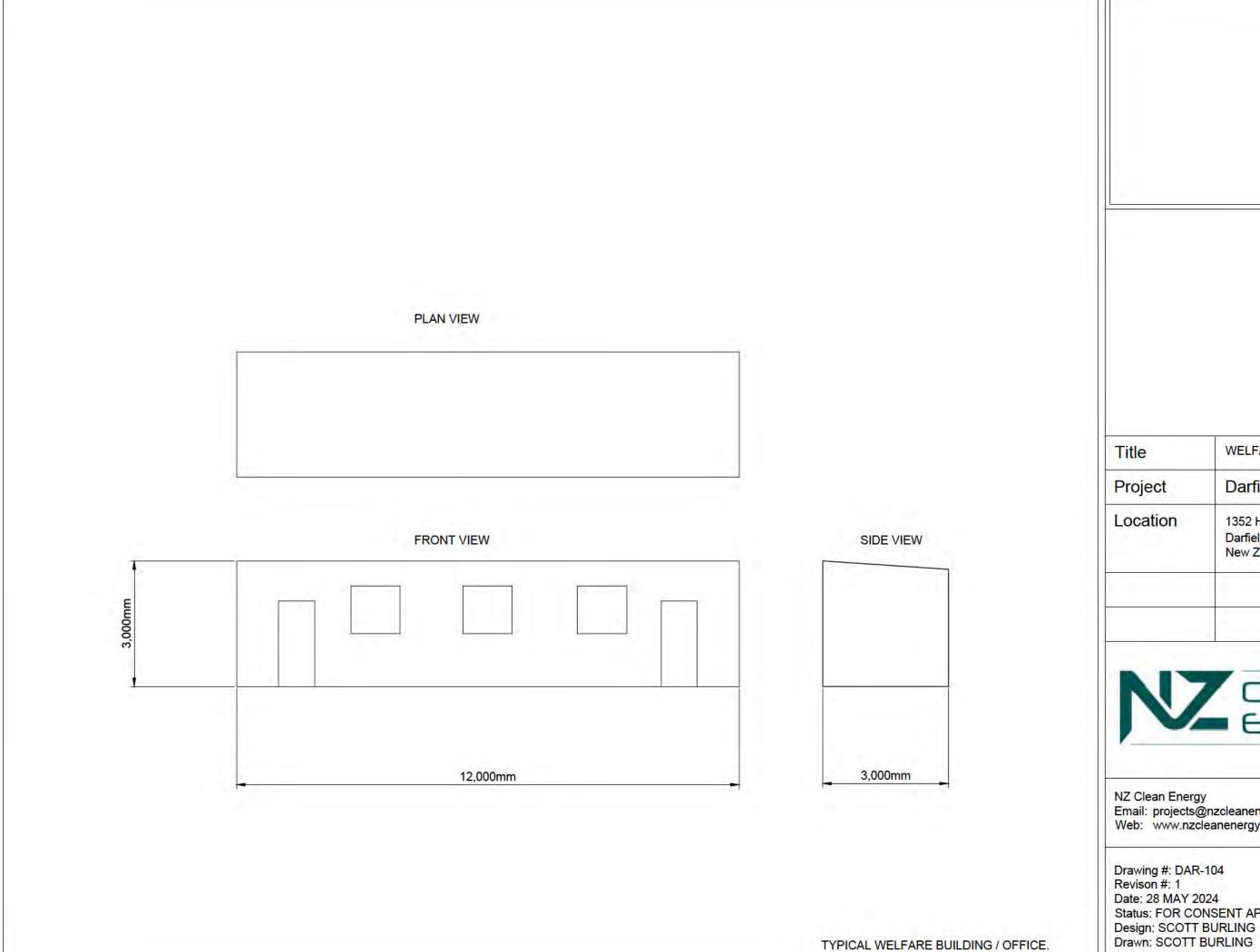
Design: SCOTT BURLING Drawn: SCOTT BURLING

TYPICAL INVERTER PAIR + MV TRANSFORMER GAMISA ELECTRIC PROTEUS PV SHOWN

LIGHTNING MAST ONLY REQUIRED FOR FEILD MOUNTED INVERTERS, NOT INVERTERS NEAR THE SUBSTATION



TYPICAL PARTS WAREHOUSE GENERIC 25M X 10M SHOWN



WELFARE BUILDING / OFFICE **Darfield Solar** 1352 Homebush Road Darfield New Zealand

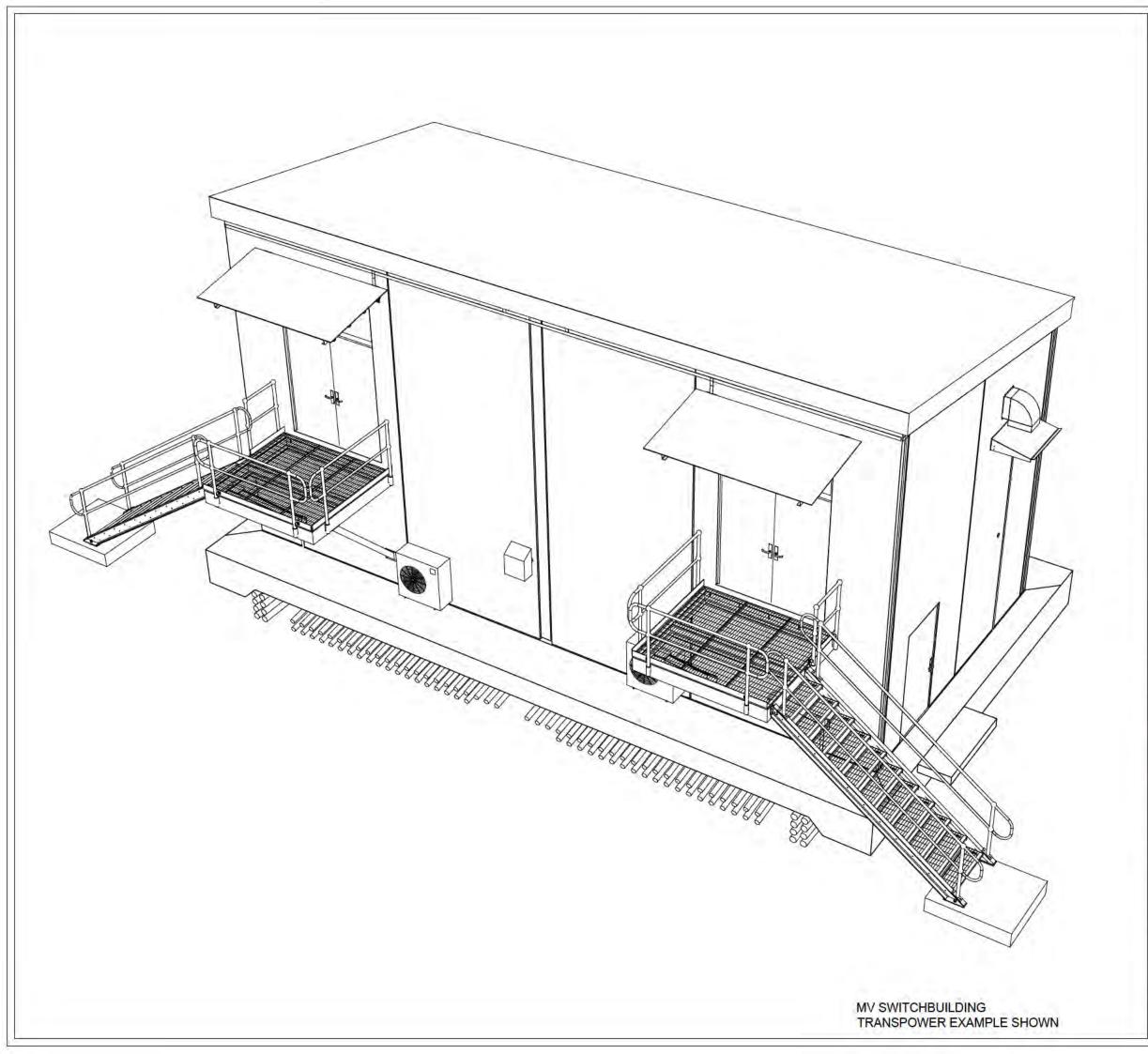


Email: projects@nzcleanenergy.nz Web: www.nzcleanenergy.nz

Status: FOR CONSENT APPLICATION

Drawn: SCOTT BURLING

GENERIC 12M X 3.0M SHOWN



Title	MV Switchgear building (1 of 2)
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



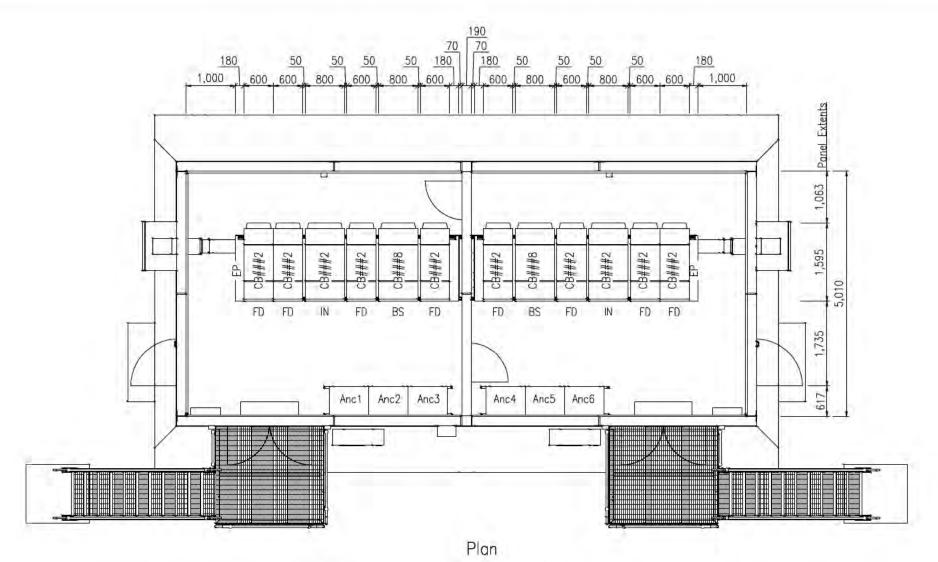
NZ Clean Energy Email: projects@nzcleanenergy.nz Web: www.nzcleanenergy.nz

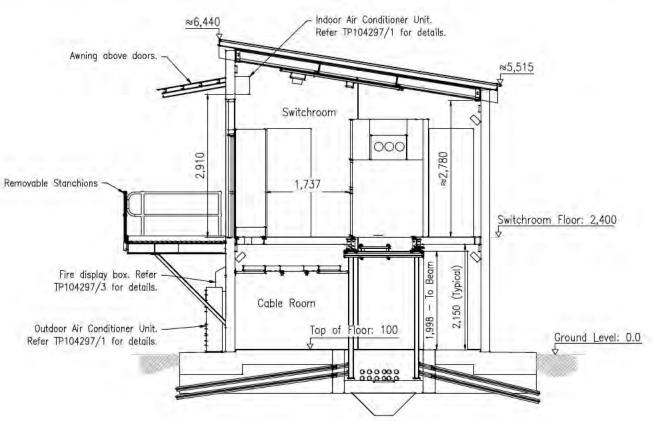
Drawing #: DAR-105 Revison #: 1

Date: 28 MAY 2024

Status: FOR CONSENT APPLICATION

Design: SCOTT BURLING Drawn: SCOTT BURLING





Typical Section

Location 1352 Homebush Road
Darfield
New Zealand

Darfield Solar

MV Switchgear building (2 of 2)



NZ Clean Energy

Title

Project

Email: projects@nzcleanenergy.nz Web: www.nzcleanenergy.nz

Drawing #: DAR-106 Revison #: 1

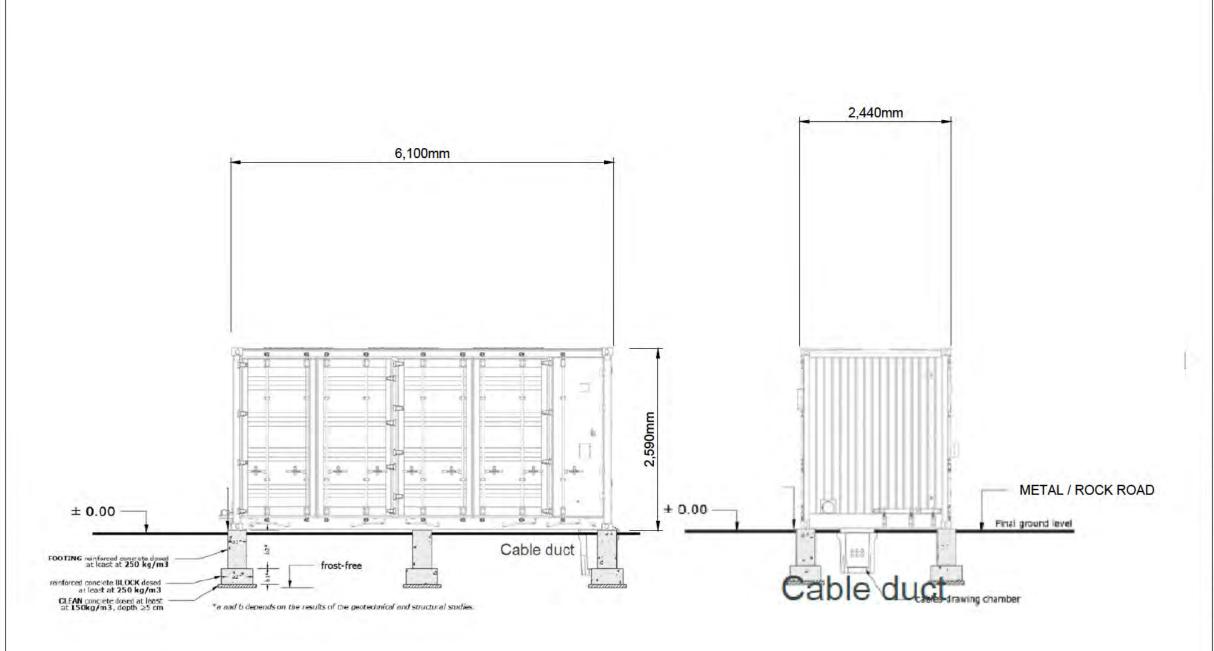
Date: 28 APRIL 2024

Status: FOR CONSENT APPLICATION

Design: SCOTT BURLING Drawn: SCOTT BURLING

NOTE: DIMENSIONS IN MM

MV SWITCHBUILDING TRANSPOWER EXAMPLE SHOWN



Title	BESS (Typical)
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



NZ Clean Energy

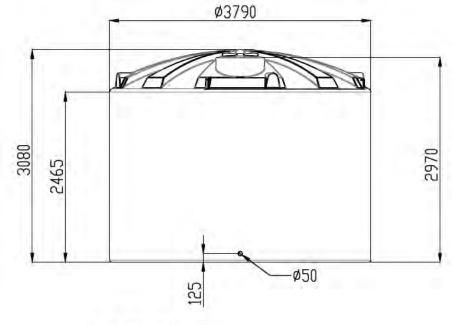
Email: projects@nzcleanenergy.nz Web: www.nzcleanenergy.nz

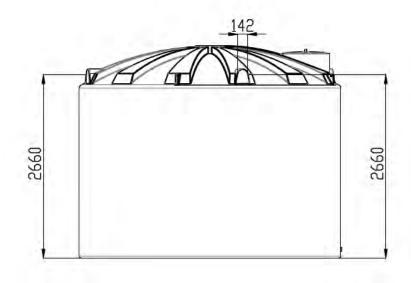
Drawing #: DAR-107 Revison #: 1

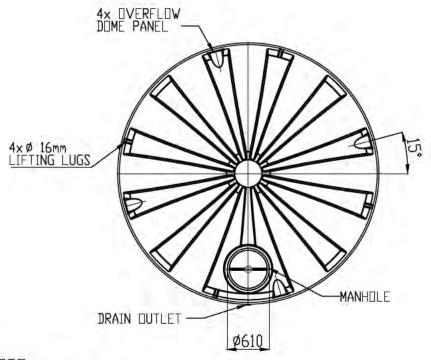
Date: 28 MAY 2024

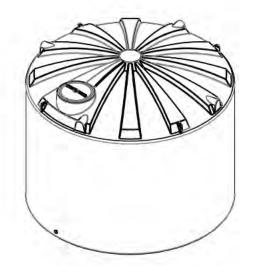
Status: FOR CONSENT APPLICATION

Design: SCOTT BURLING Drawn: SCOTT BURLING









NOTE:

1. ALL DIMENSIONS ARE IN mm 2. TOLERANCE: 3%

NZ	CLEAN

Darfield New Zealand

Water Tank

**Darfield Solar** 

1352 Homebush Road

Title

**Project** 

Location

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

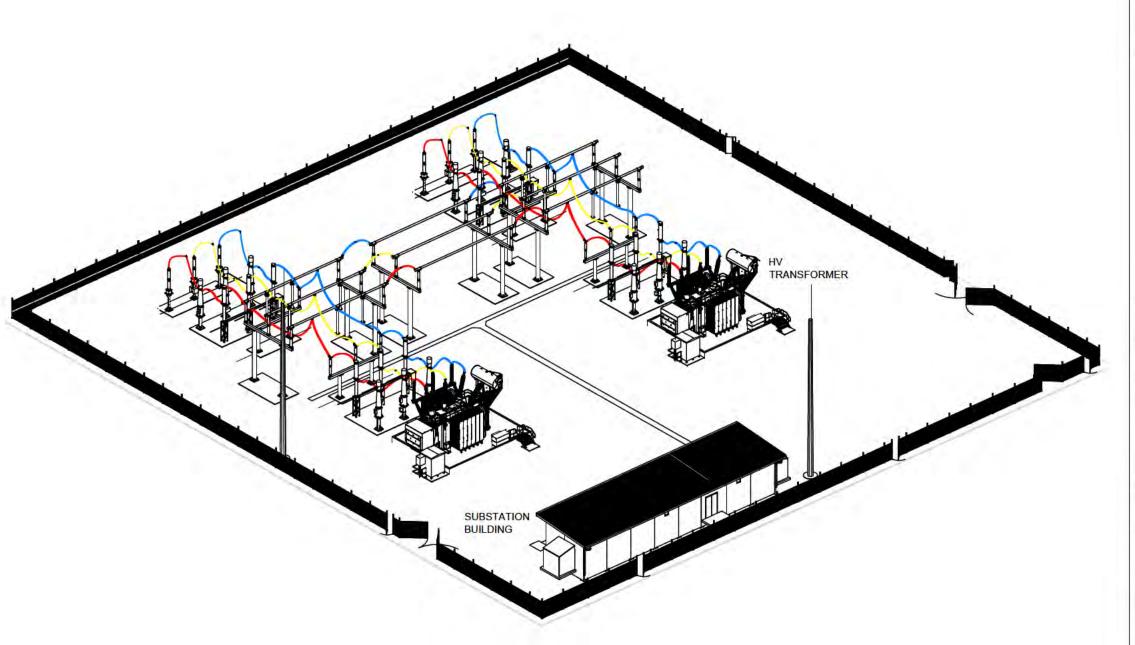
Drawing #: DAR-108 Revison #: 1

Date: 28 MAY 2024

Status: FOR CONSENT APPLICATION

Design: SCOTT BURLING Drawn: SCOTT BURLING

TYPICAL 30,000L PLASTIC WATER TANK PROMAX 30,000L SHOWN



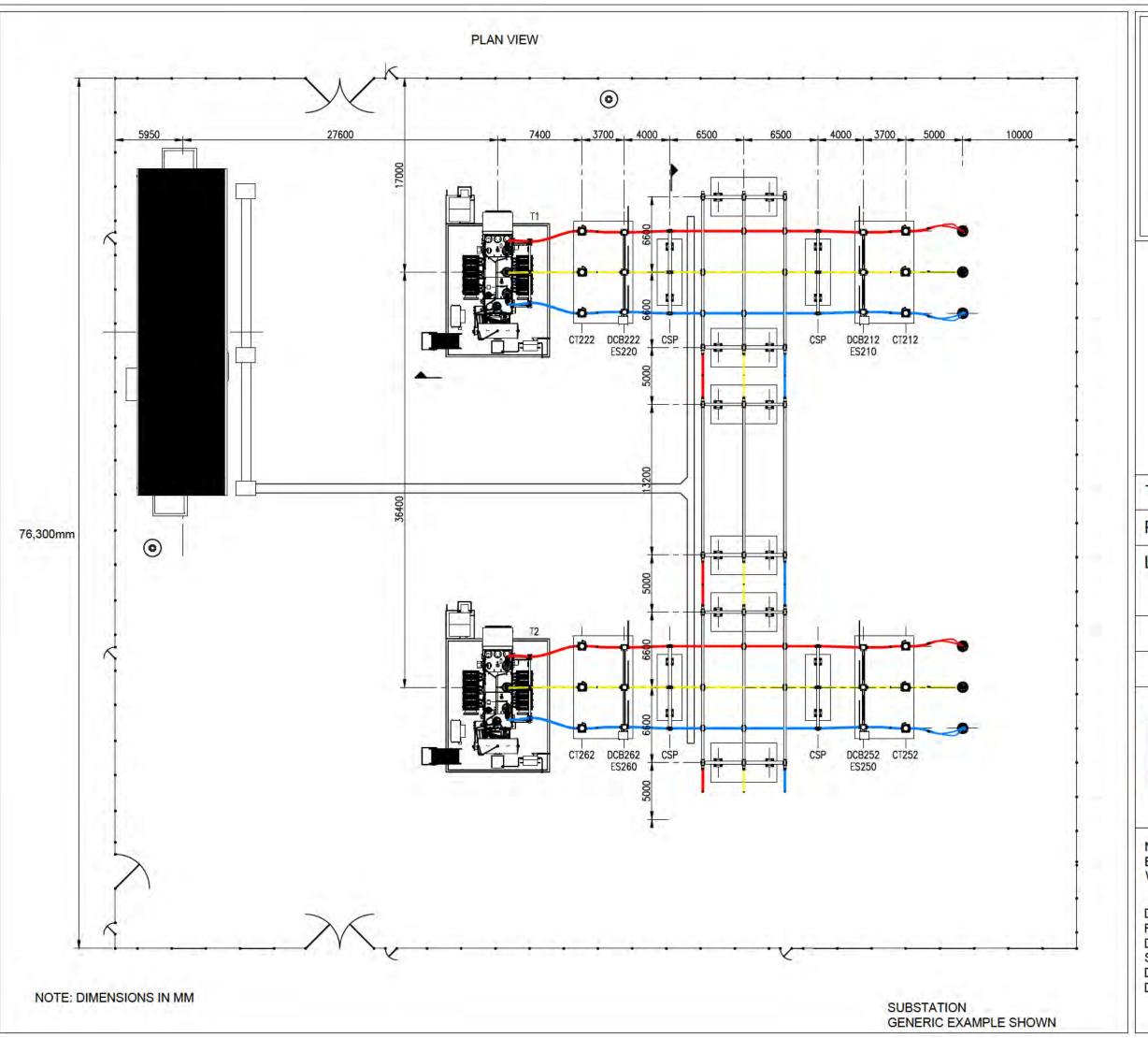
Title	Substation
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



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

Drawing #: DAR-109
Revison #: 1
Date: 28 MAY 2024
Status: FOR CONSENT APPLICATION
Design: SCOTT BURLING
Drawn: SCOTT BURLING

SUBSTATION GENERIC EXAMPLE SHOWN



Title	Substation	
Project	Darfield Solar	
Location	1352 Homebush Road Darfield New Zealand	



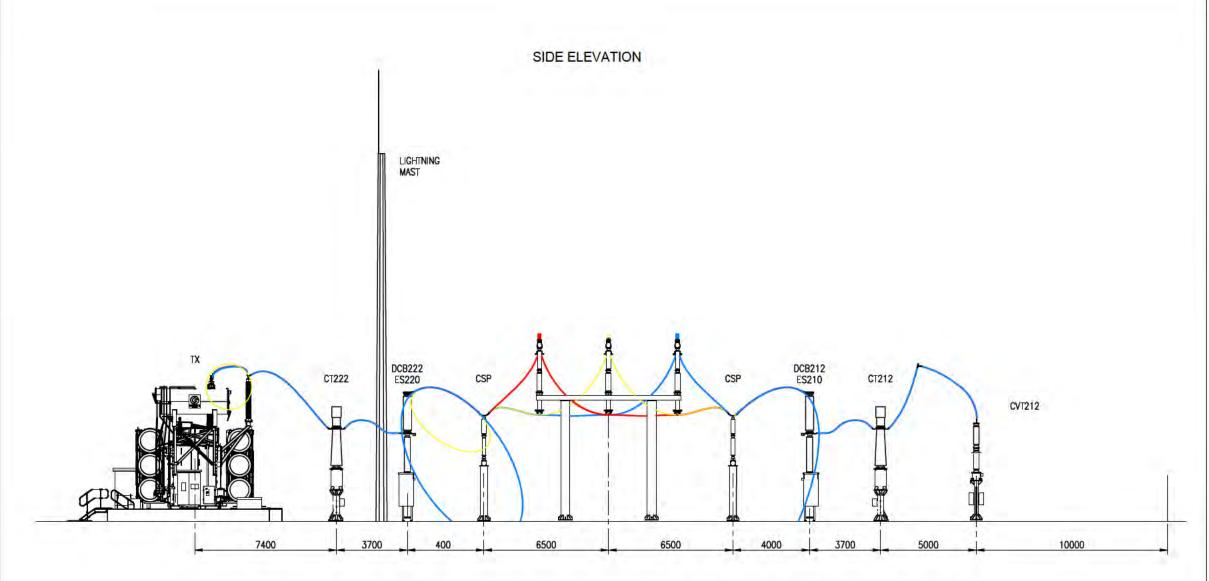
NZ Clean Energy

Email: projects@nzcleanenergy.nz Web: www.nzcleanenergy.nz

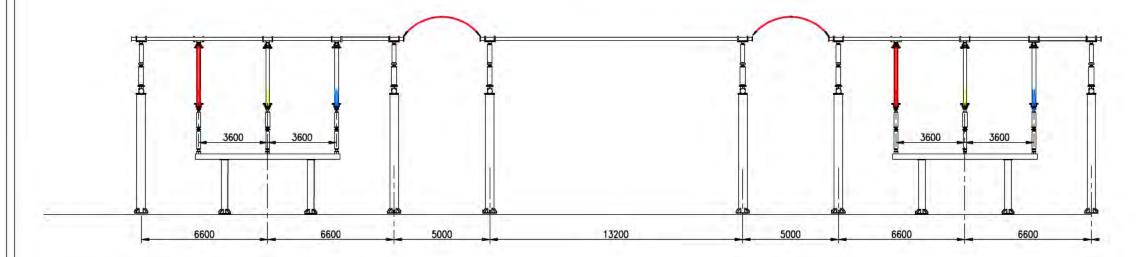
Drawing #: DAR-110 Revison #: 1

Date: 28 MAY 2024 Status: FOR CONSENT APPLICATION

Design: SCOTT BURLING Drawn: SCOTT BURLING



#### **END ELEVATION**



NOTE: DIMENSIONS IN MM

SUBSTATION GENERIC EXAMPLE SHOWN

Title	Substation
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand

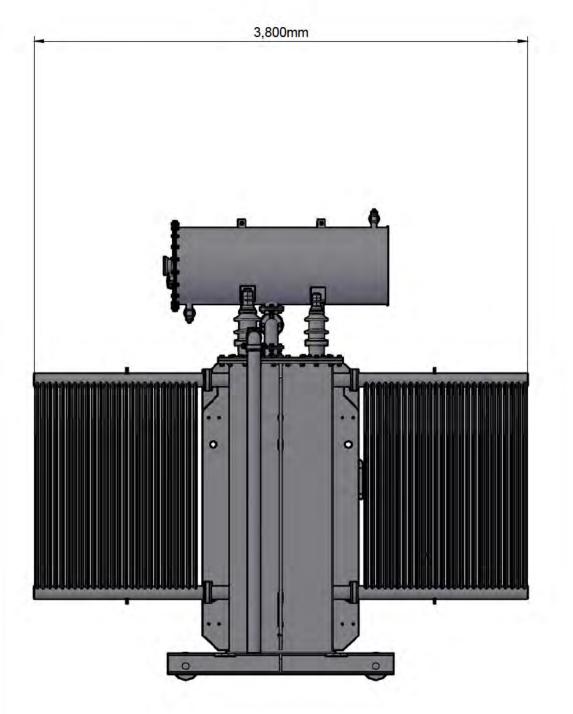


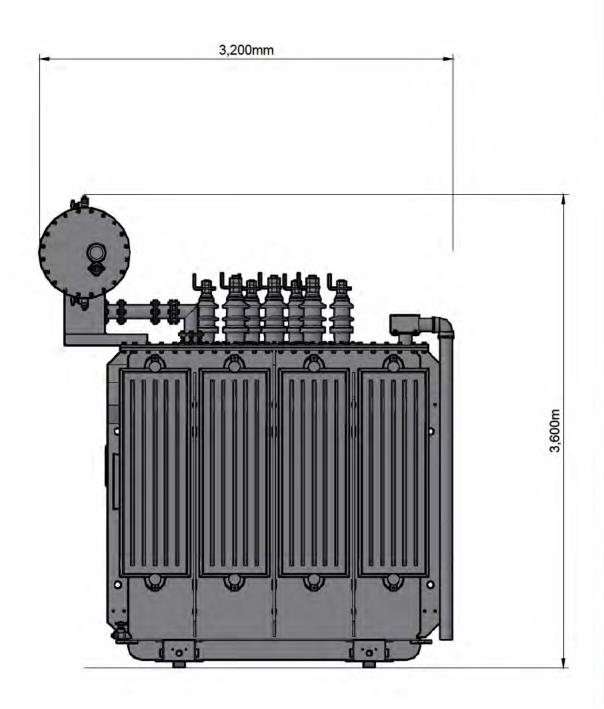
NZ Clean Energy Email: projects@nzcleanenergy.nz Web: www.nzcleanenergy.nz

Drawing #: DAR-111 Revison #: 1

Date: 28 APRIL 2024 Status: FOR CONSENT APPLICATION

Design: SCOTT BURLING Drawn: SCOTT BURLING





Title	HV Transformer
Project	Darfield Solar
Location	1352 Homebush Road Darfield New Zealand



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

Drawing #: DAR-112 Revison #: 1 Date: 28 MAY 2024

Status: FOR CONSENT APPLICATION

Design: SCOTT BURLING Drawn: SCOTT BURLING

HV TRANSFORMER GENERIC EXAMPLE SHOWN