



Stonestreet Green Solar

Illustrative Project Drawings - Not for Approval

PINS Ref: EN010135
Doc Ref. 2.6
Version 1
June 2024

APFP Regulation 5(2)(o)
Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

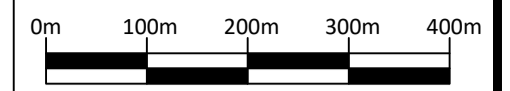


2.6 Illustrative Project Drawings – Not for Approval

Drawing Number	Revision	Drawing Title	Scale
142-01-01	01	Site Location Plan	1:7,500 @ A1
142-02-01	01	Illustrative Layout Plan - Key Plan	1:7,500 @ A1
142-02-01-pg1	01	Illustrative Layout Plan Sheet 1 of 5	1:2,000 @ A1
142-02-01-pg2	01	Illustrative Layout Plan Sheet 2 of 5	1:2,000 @ A1
142-02-01-pg3	01	Illustrative Layout Plan Sheet 3 of 5	1:2,000 @ A1
142-02-01-pg4	01	Illustrative Layout Plan Sheet 4 of 5	1:2,000 @ A1
142-02-01-pg5	01	Illustrative Layout Plan Sheet 5 of 5	1:2,000 @ A1
142-02-17A	01	Indicative Framing Detail (4 No. Landscape PV Panel Format)	1:100 @A3
142-02-17E	01	Indicative Framing Detail (Ballast Mounting PV Panel Format)	1:100 @A3
142-02-13-A	01	Illustrative Fencing Detail Post and Wire	At scale indicated
142-02-13-B	01	Illustrative Acoustic Barrier Detail	1:50 @ A3
142-02-11	01	Illustrative CCTV Specifications	1:25 @ A3
CIV_008	01	Inverter Station Illustrative General Arrangement	1:100 @ A1
CIV_009	01	Inverter Station Illustrative Details	At scale indicated
142-02-20	01	Illustrative Battery Energy Storage System Detail	1:75 @ A3

2.6 Illustrative Project Drawings – Not for Approval

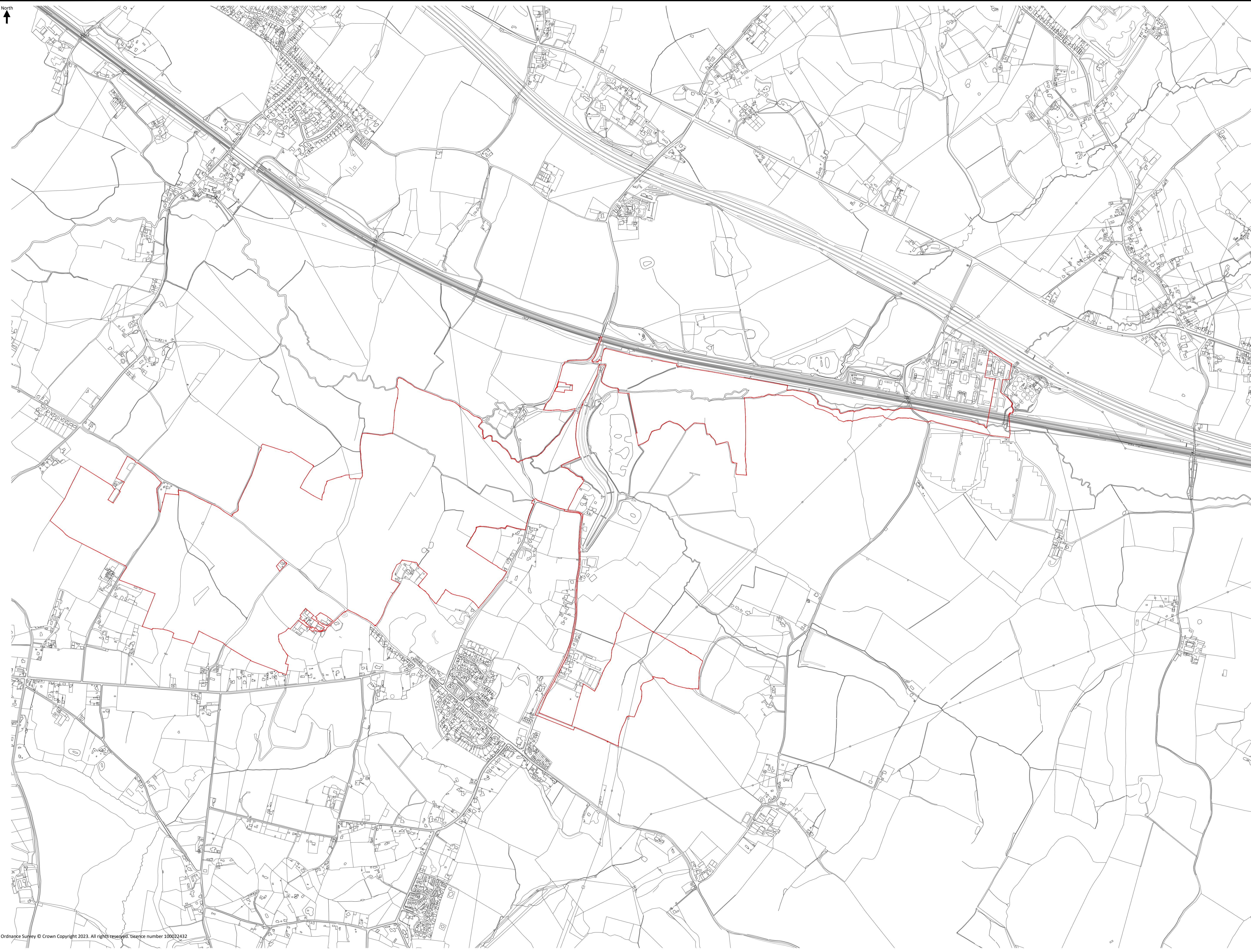
Drawing Number	Revision	Drawing Title	Scale
142-02-15-A	01	Illustrative Containerised Inverter Station Detail	1:50 @ A3
142-02-15-B	01	Illustrative Inverter Station Individual Detail	1:50 @ A3
CIV_002	01	132kV Project Substation Layout Illustrative General Arrangement	1:250 @ A1
142-02-11-A	01	Illustrative 132kV Project Substation Sections	At scale indicated
CIV_005	01	Illustrative 132kV Project Substation Retaining Walls Sections	1:250 @ A1
CIV_006	01	Illustrative 132kV Project Substation Retaining Walls Elevations	1:250 @ A1
CIV_007	01	Illustrative 132kV Project Substation Retaining Walls Details	At scale indicated
142-02-14	01	Illustrative Intermediate Substation Layout	1:50 @ A3
142-01-48-E-02	01	Illustrative Sellindge Substation Plan	1:7,500 @ A1
142-02-18	01	Illustrative Cable Trench Detail Plan	At scale indicated



Notes:

Postcode: TN25 7HP W3W: paints.embodied.warp

Key:
Order limits

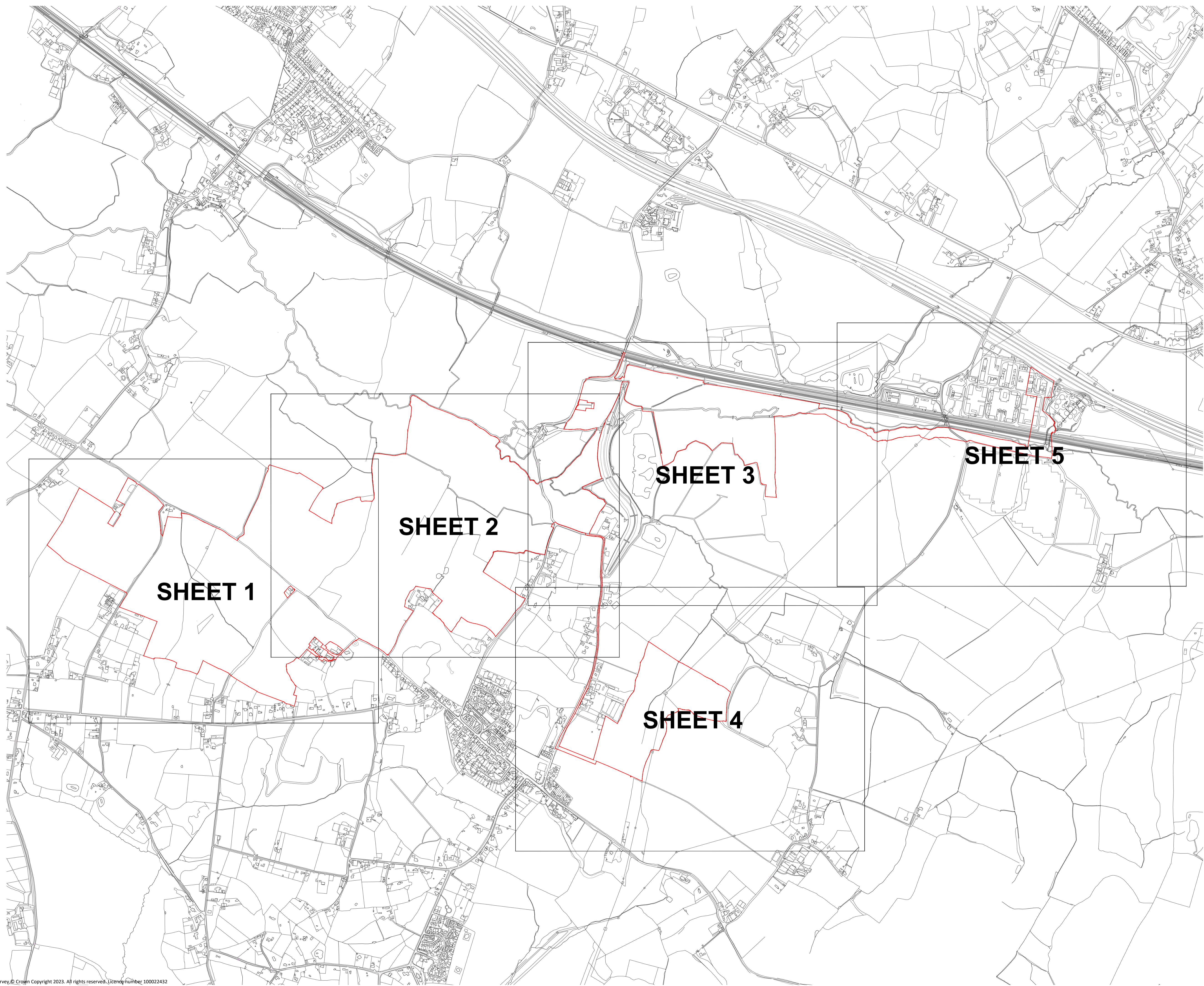


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Project Name:
Stonestreet Green Solar
Drawing Title:
Site Location Plan

Document Reference #:
142-01-01

Scale: 1:7,500@A1 APPF Reg. 5(2)(a)
Produced: RC Checked: Quod Date: June 2024 Version: 01



SHEET 1

SHEET 2

SHEET 3

SHEET 5

SHEET 4



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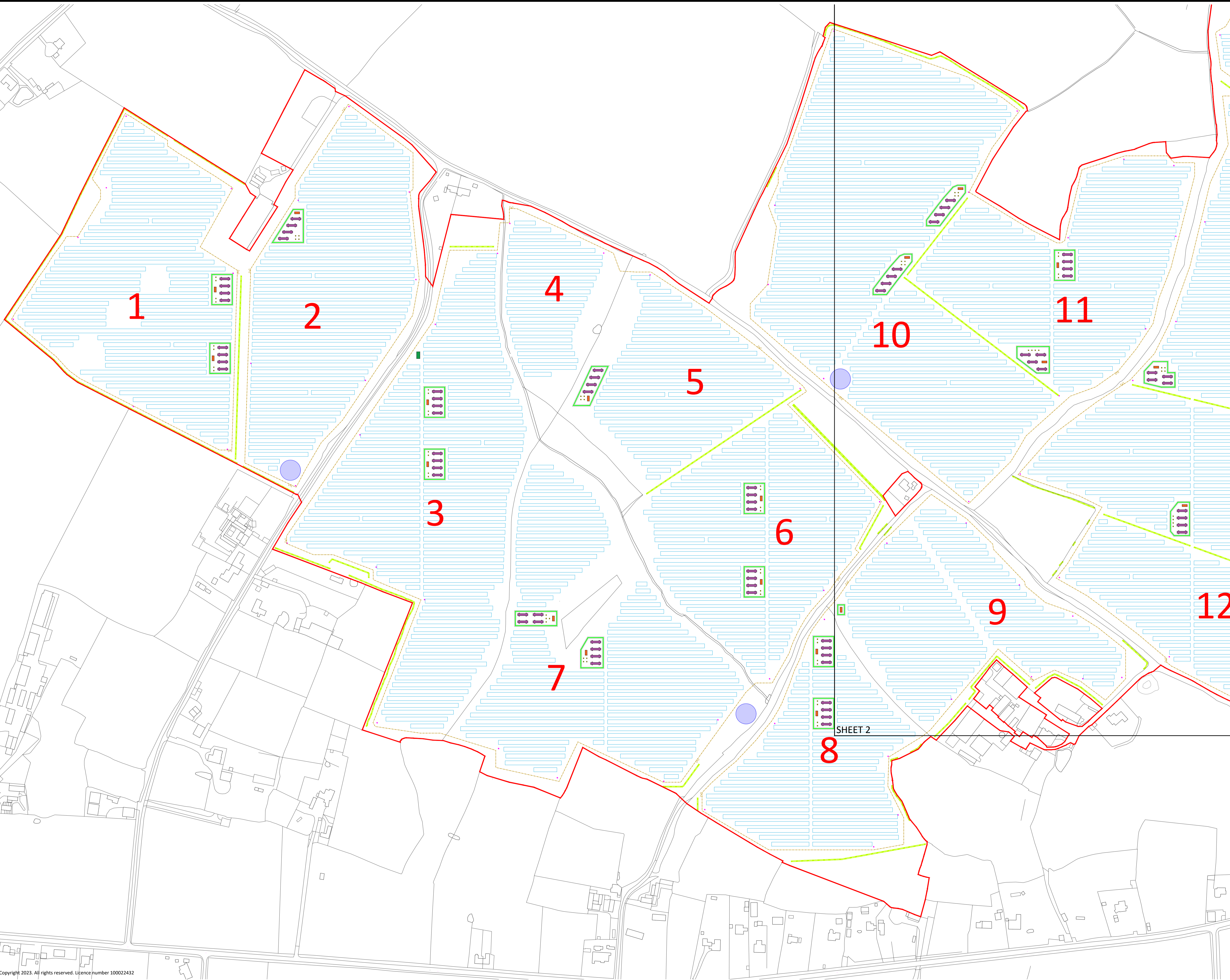
Drawing Title:
Illustrative Layout Plan
Key Plan

Drawing Number:
142-02-01

Scale: 1:7,500@A1 APFP Reg. 5(2)(a)

Produced: RC Checked: Quod Date: June 2024 Version: 01

- Key:
- Order limits
 - PV Panels
 - Inverter
 - DC-DC Converter
 - Battery Container
 - Intermediate Substations
 - CCTV Camera
 - New Hedge
 - Security Fence
 - Access Gate
 - Permanent access track for operations
 - Water Tanks
 - Acoustic Barriers
 - 1-29 Field Number



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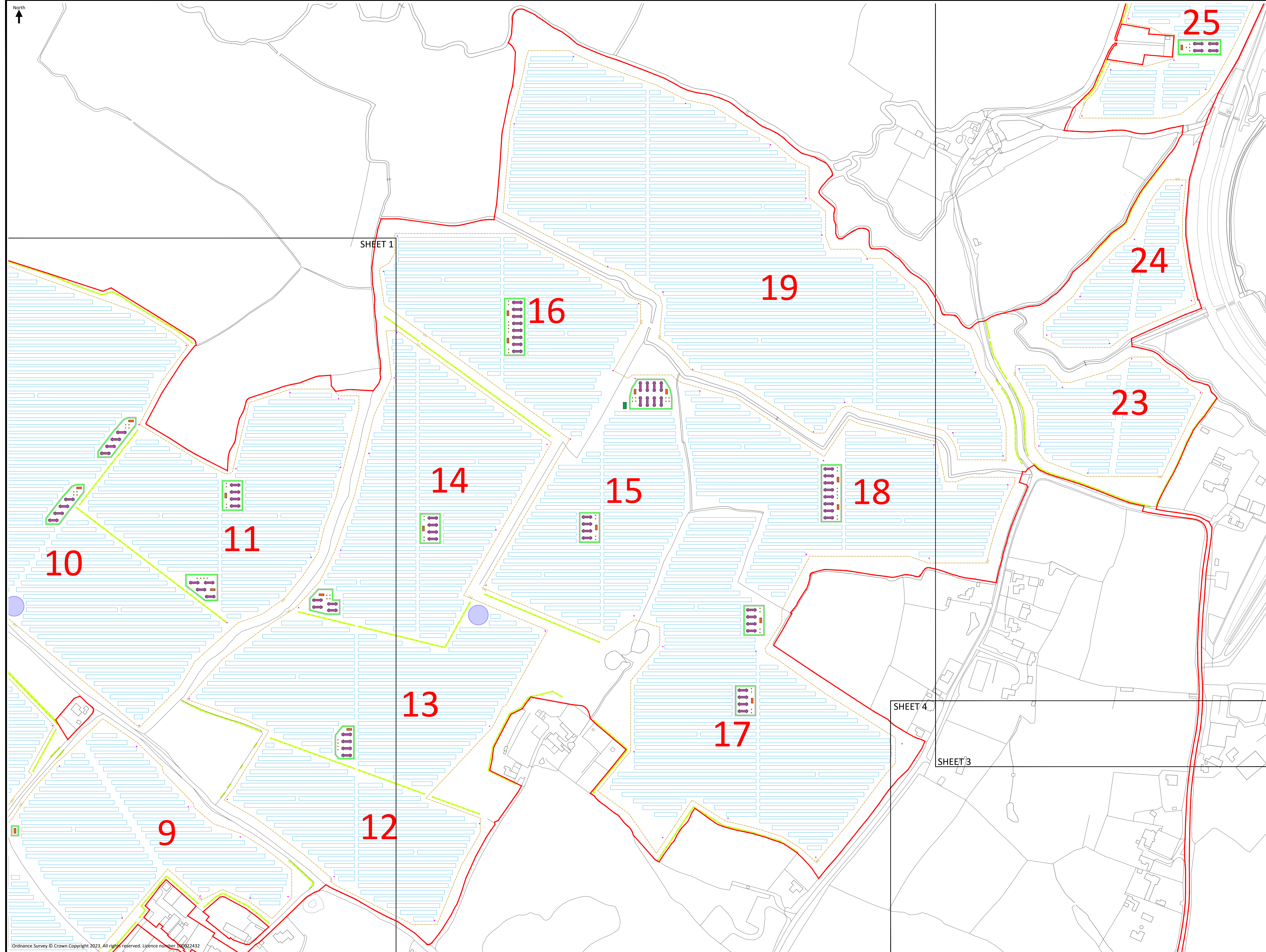
Project Name:
Stonestreet Green Solar
 Drawing Title:
**Illustrative Layout Plan
 Sheet 1 of 5**

Drawing Number:
142-02-01-pg1
 Scale: 1:2,000@A1 APFP Reg. 5(2)(a)

Produced: RC Checked: Quod Date: June 2024 Version: 01



- Key:
- Order limits
 - PV Panels
 - Inverter
 - DC-DC Converter
 - Battery Container
 - Intermediate Substations
 - CCTV Camera
 - New Hedge
 - Security Fence
 - Access Gate
 - Permanent access track for operations
 - Water Tanks
 - Acoustic Barriers
 - 1-29 Field Number



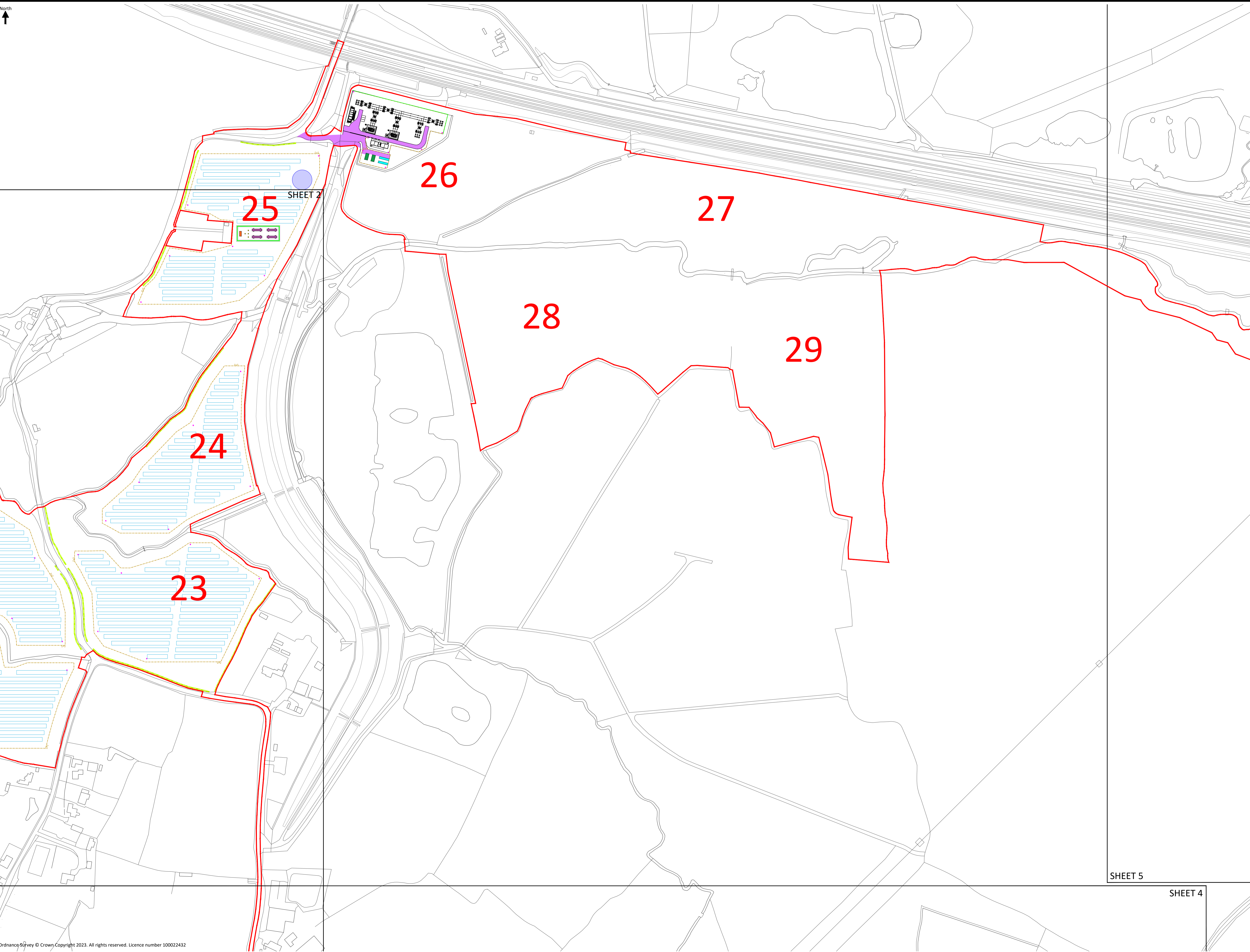
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Project Name:	Stonestreet Green Solar
Drawing Title:	Illustrative Layout Plan Sheet 2 of 5
Drawing Number:	142-02-01-pg2
Scale:	1:2,000@A1 APFP Reg. 5(2)(a)
Produced:	RC
Checked:	Quod
Date:	June 2024
Version:	01



Postcode: TN25 7HP W3W: paints.embodied.warp

- Key:
- Order limits
 - PV Panels
 - Inverter
 - DC-DC Converter
 - Battery Container
 - Spares/ Storage Container
 - Intermediate Substations
 - CCTV Camera
 - New Hedge
 - Security Fence
 - Access Gate
 - Permanent access track for substation
 - Permanent access track for operations
 - Water Tanks
 - Acoustic Barriers
 - 1-29 Field Number



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Project Name:
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Drawing Title:
Illustrative Layout Plan
Sheet 3 of 5

Drawing Number:
142-02-01-pg3

Scale: 1:2,000@A1 APFP Reg. 5(2)(a)
Produced: RC Checked: Quod Date: June 2024 Version: 01

- Key:
- Order limits
 - PV Panels
 - Inverter
 - Intermediate Substations
 - CCTV Camera
 - New Hedge
 - Security Fence
 - Access Gate
 - Acoustic Barriers
 - 1-29 Field Number

North

SHEET 3

SHEET 2

21

22

20



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Project Name:

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Drawing Title:

Illustrative Layout Plan
Sheet 4 of 5

Drawing Number:

142-02-01-pg4

Scale: 1:2,000@A1 APFP Reg. 5(2)(a)

Produced: RC Checked: Quod Date: June 2024 Version: 01

For information purposes only.
Not for construction.

0m 25m 50m 75m 100m

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Key:
Order limits

SHEET 3



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Project Name:
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Drawing Title:
Illustrative Layout Plan
Sheet 5 of 5

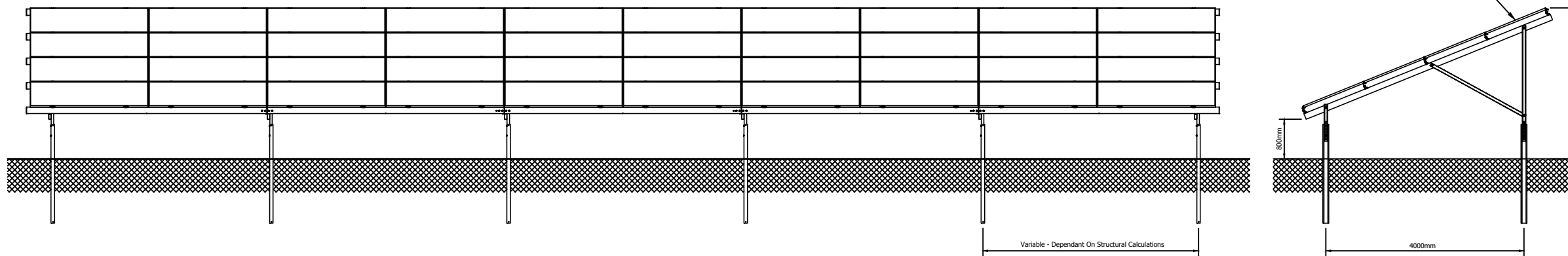
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Scale: 1:2,000@A1 APPP Reg. 5(2)(a)

Produced: RC Checked: Quod Date: June 2024 Version: 01

North

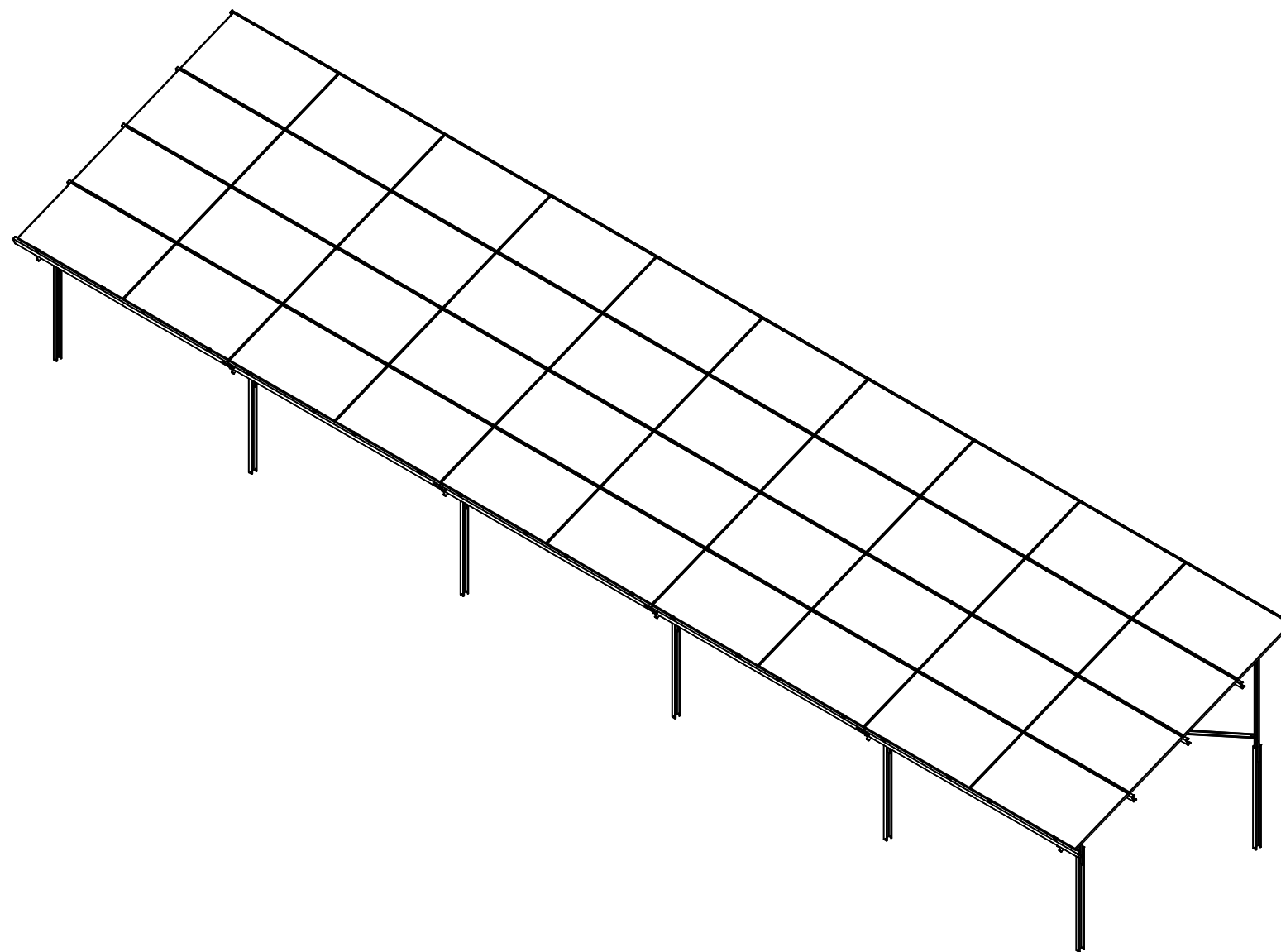
Framing System - Front & Side Elevations - 1:100@A3



Indicative Photos of Solar Framing



Framing System - Isometric View - 1:100@A3



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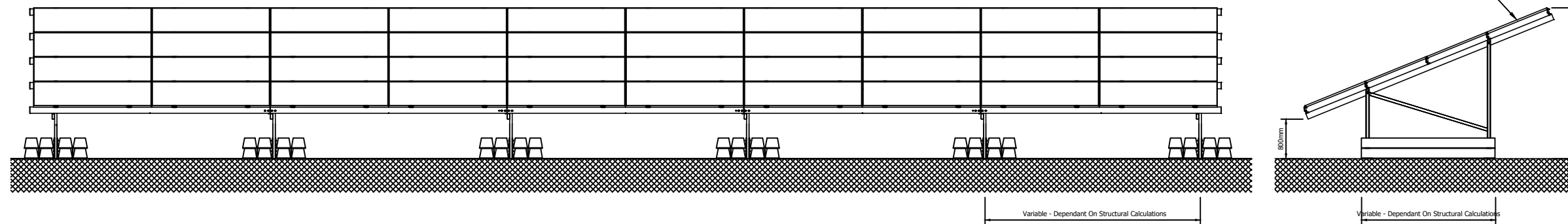
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 Illustrative Framing
 Detail (4 No. Landscape
 PV Panel Format)

Document Reference #:
 142-02-17A

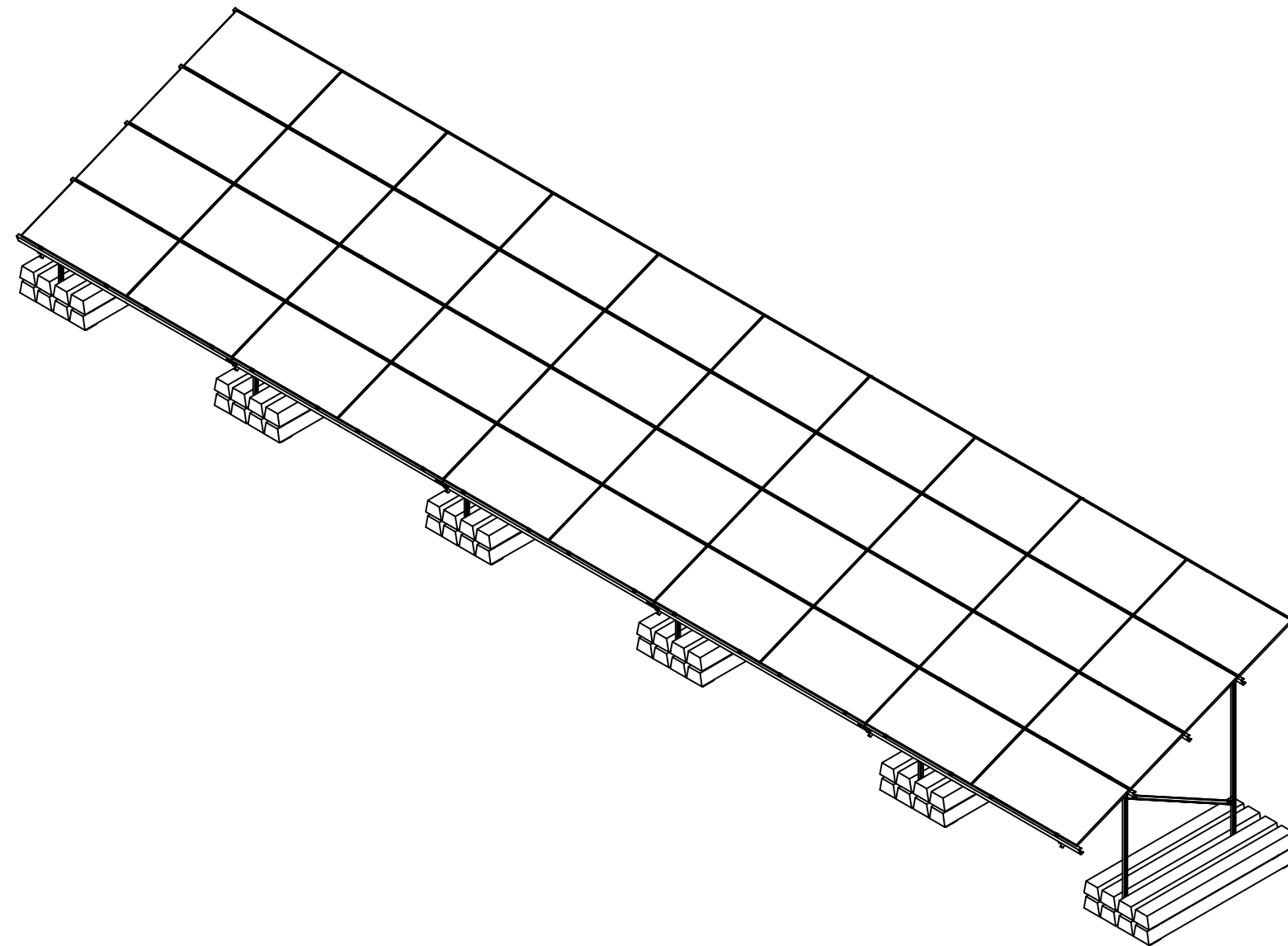
Scale: 1:100@A3 APFP Reg. 5(2)(o)

Produced:	Checked:	Date:	Version:
RC	Quod	June 2024	01

Framing System - Front & Side Elevations - 1:100@A3



Framing System - Isometric View - 1:100@A3



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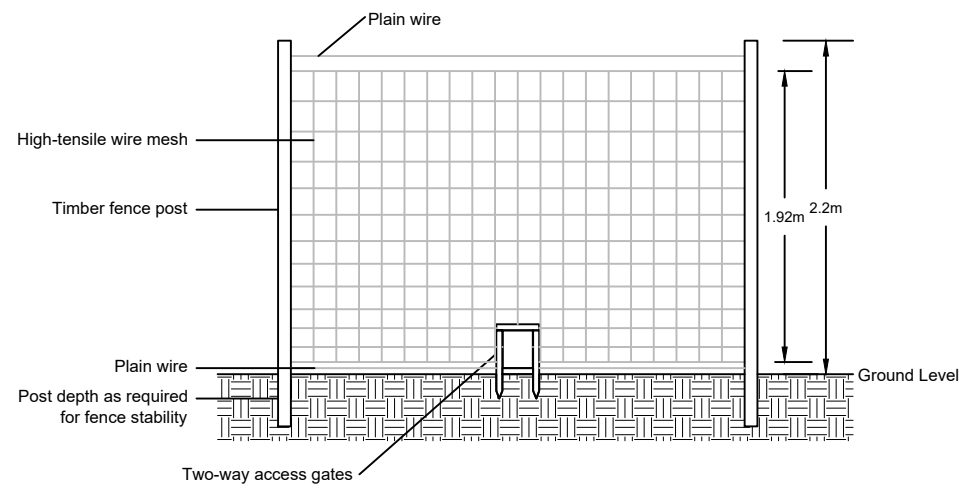
Drawing Title:
Illustrative Framing
Detail (Ballast Mounting
PV Panel Format)

Drawing Number:
142-02-17E

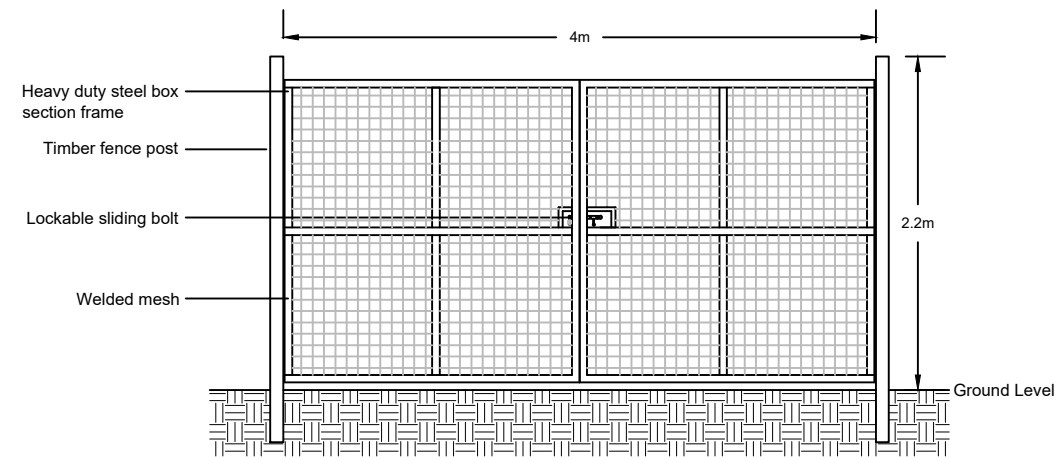
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Produced:	Checked:	Date:	Version:
RC	Quod	June 2024	01

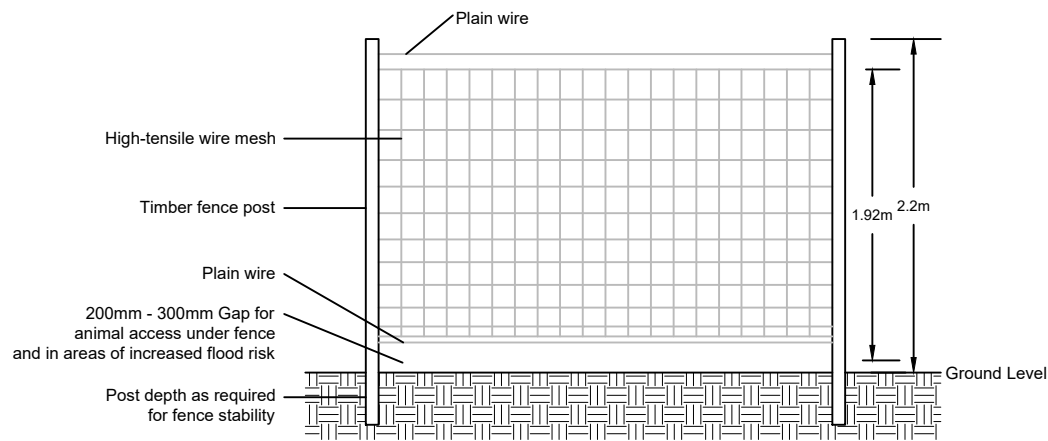
Fence Panel Detail - With Two-Way Animal Access Gate
Scale: 1:50@A3



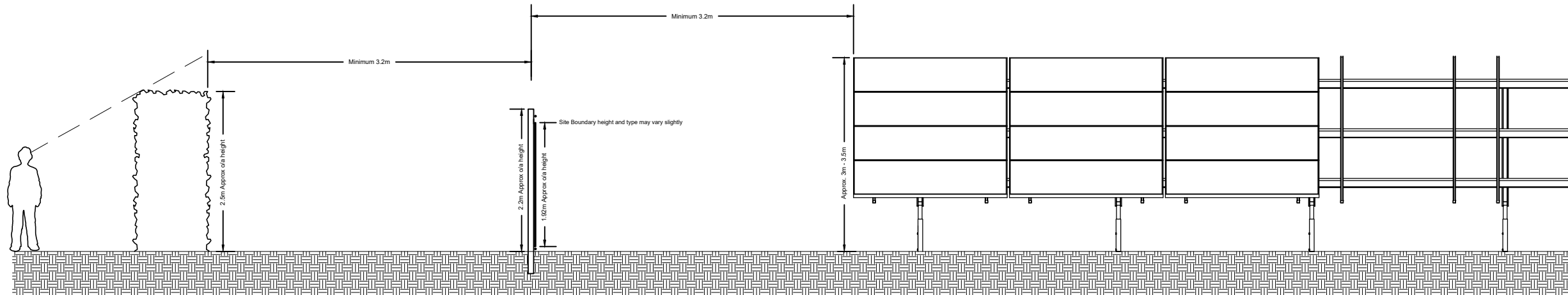
Access Gate
Scale: 1:50@A3



Fence Panel Detail - With Animal Access Gap Underneath Fence
Scale: 1:50@A3



Installed Fence Cross Section
Scale: 1:75@A3



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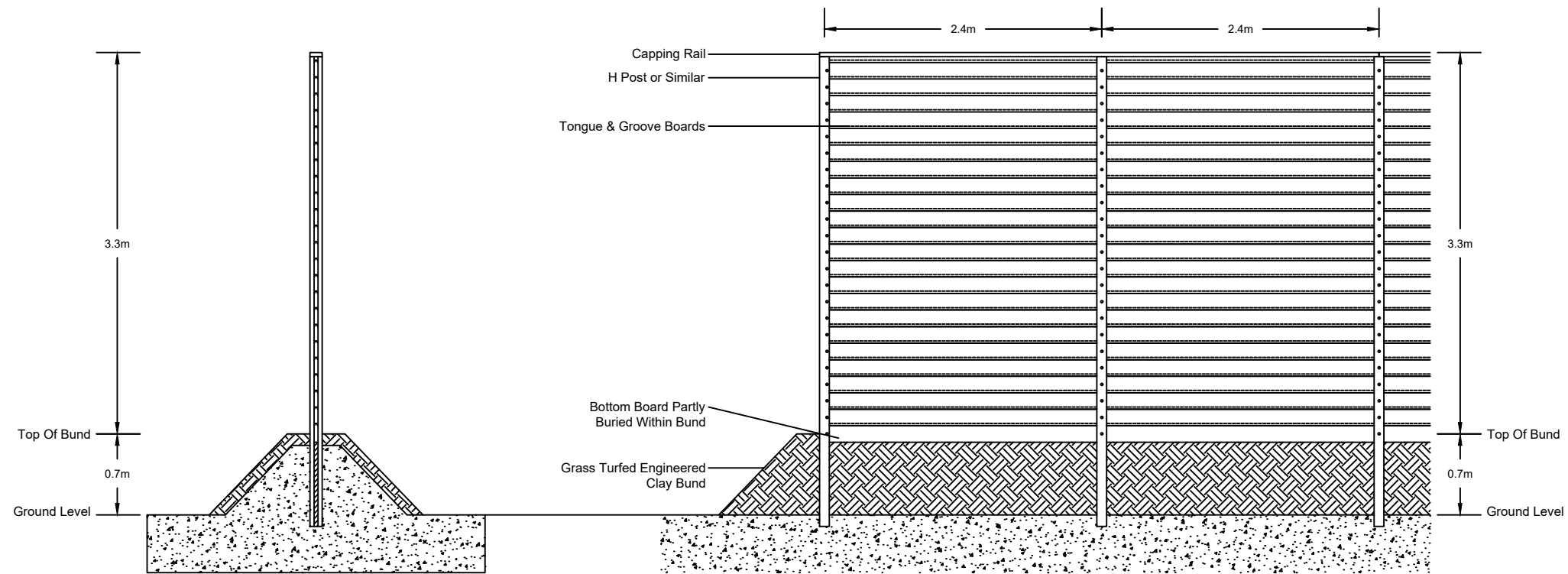
Drawing Title:
Illustrative Fencing
Detail
Post And Wire

Document Reference #:
142-02-13-A

Scale: As Shown@A3 APFP Reg. 5(2)(o)

Produced: RC Checked: Quod Date: June 2024 Version: 01

Notes:
For further details on the bund consult the
Illustrative Inverter Station and BESS Layout,
Elevation and Section drawings.



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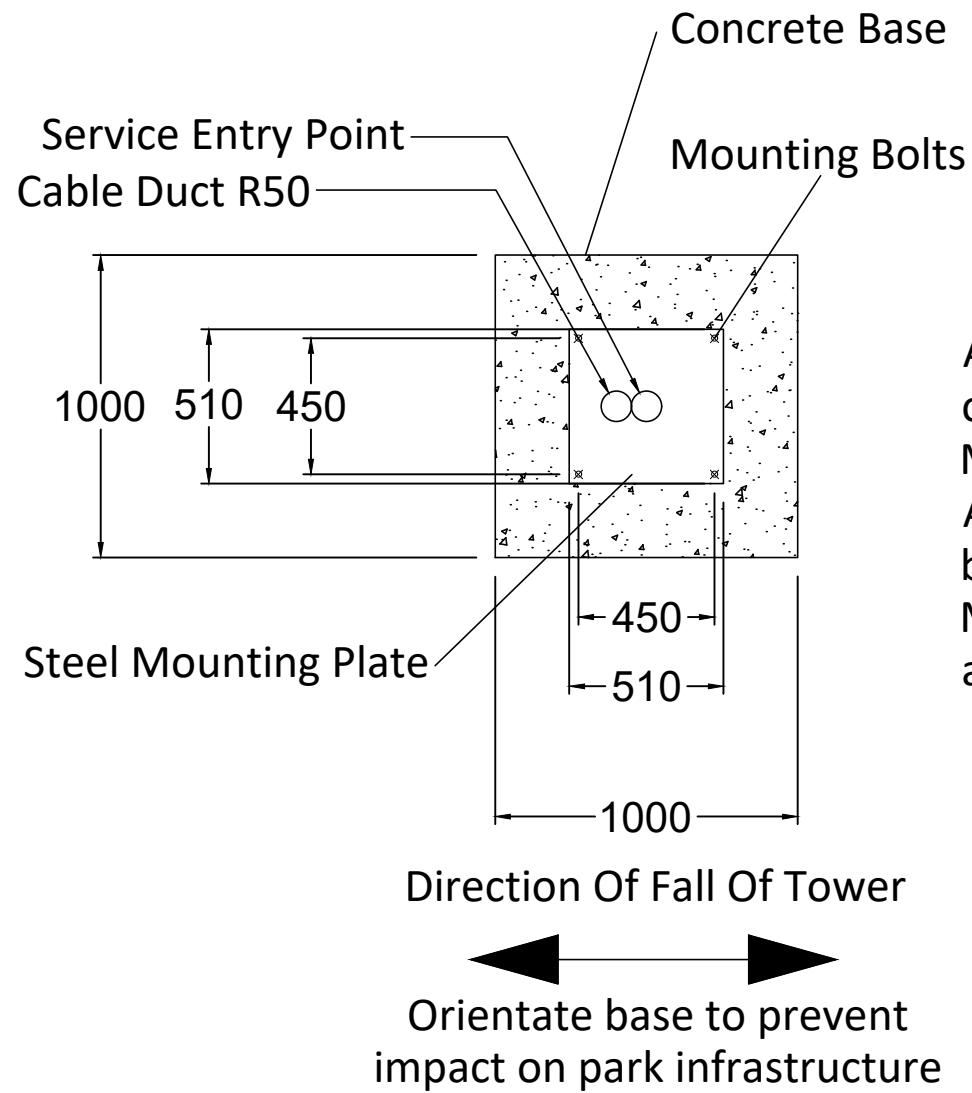
Project Name:
Stonestreet Green Solar

Drawing Title:
Illustrative Acoustic
Barrier Detail

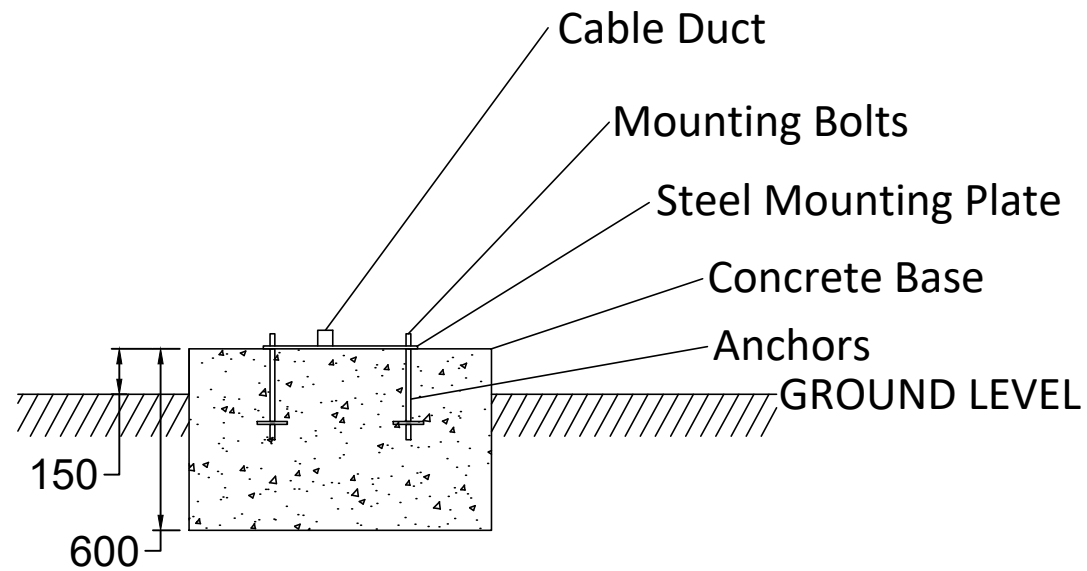
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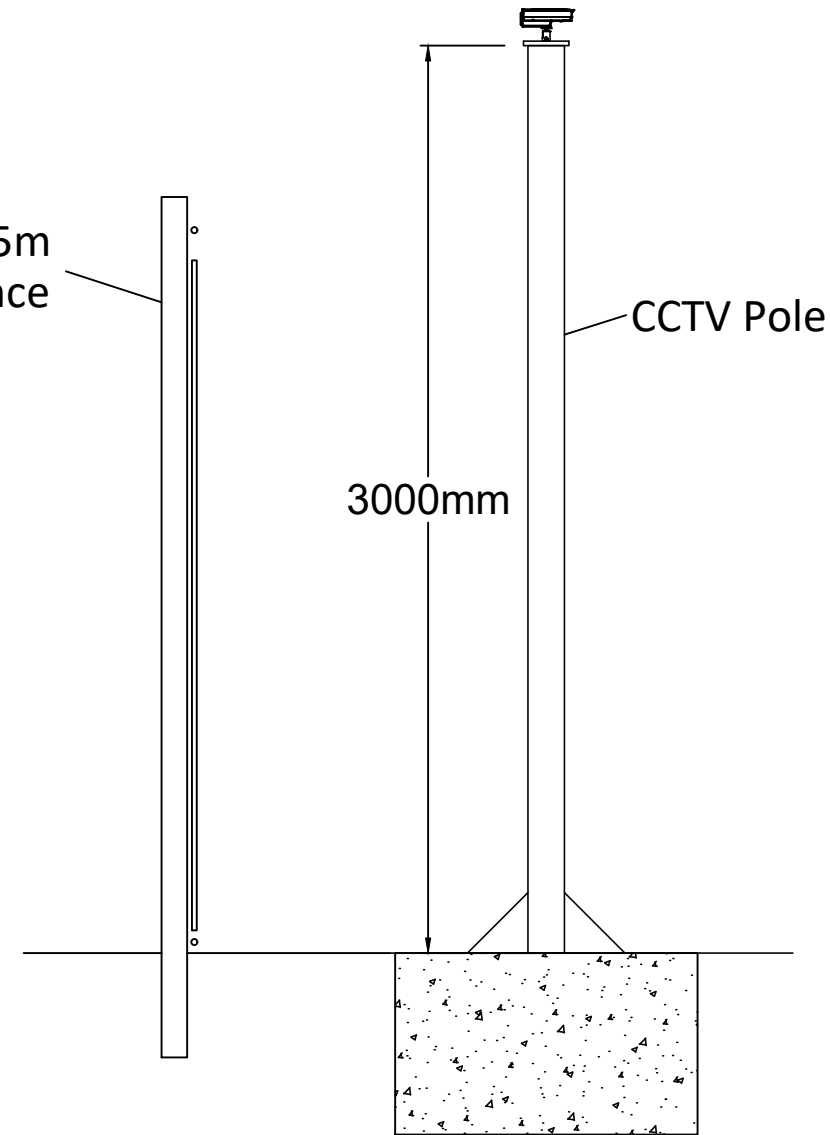
Produced:	Checked:	Date:	Version:
RC	Quod	June 2024	01



A minimum soil bearing pressure of 75kN/m² is assumed
 Minimum concrete Grade C35
 Allow 72 hours after pouring before installing pole or tower
 Mounting plate to be grouted as required



Approx. 2.5m high deer fence



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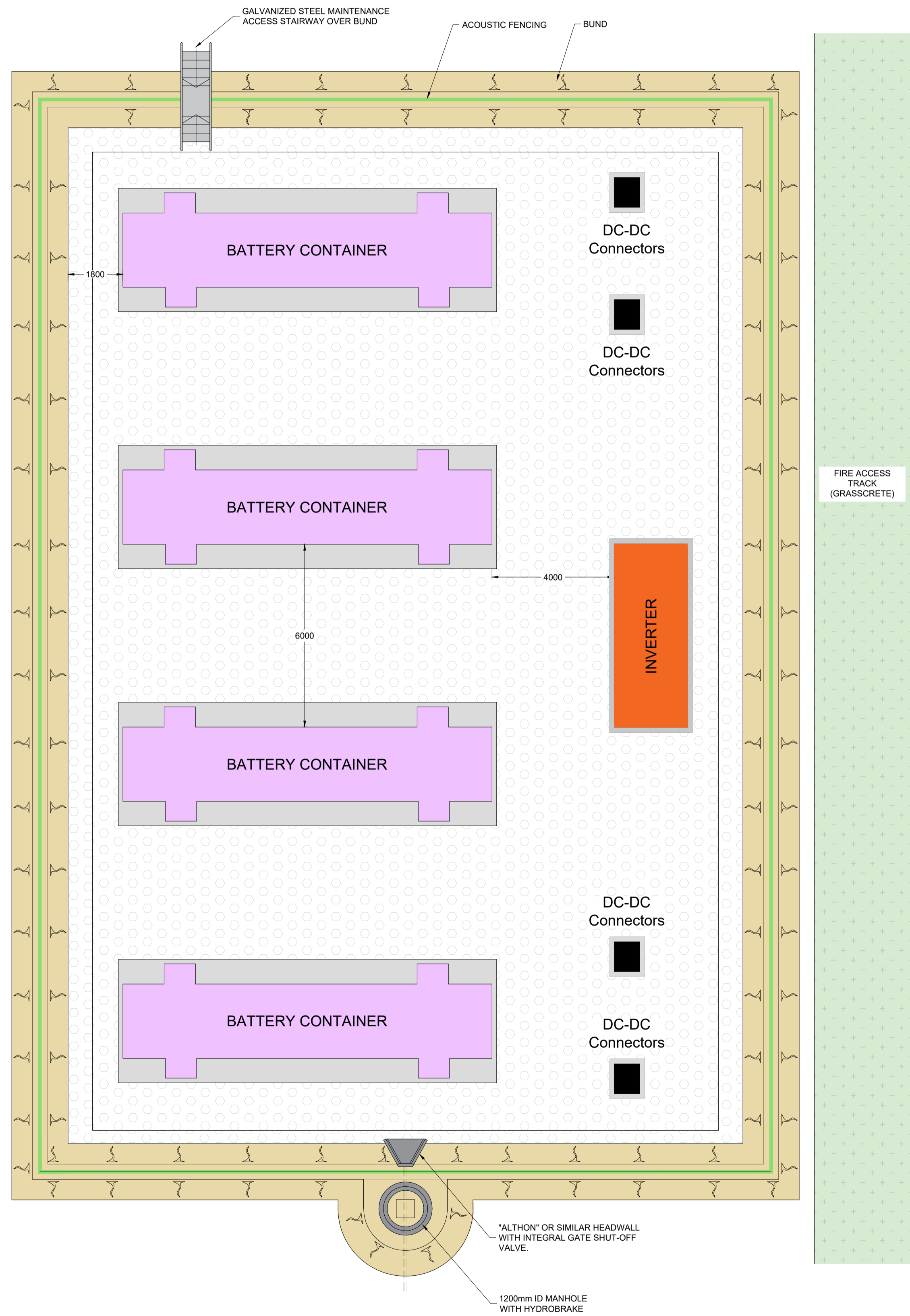
Drawing Title:
 Illustrative CCTV Specifications

Document Reference #:
 142-02-11

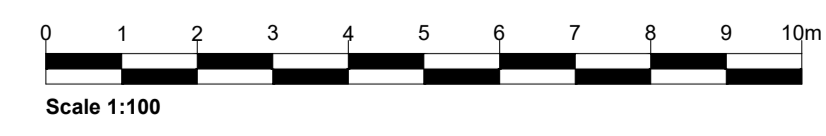
Scale: 1:25@A3 APFP Reg. 5(2)(o)

Produced:	Checked:	Date:	Version:
RC	Quod	June 2024	01

Notes:
 1) REFER TO DRAWING CIV_009 FOR DETAILS
 2) BUND HEIGHTS ARE MINIMUM BUND HEIGHTS. CREST OF BUND SHOULD BE LEVEL. ON SLOPING SITES WITH A SIGNIFICANT VARIATION IN LEVEL, INTERNAL SEPARATION BUND MAY BE NECESSARY



TYPICAL INVERTER STATION LAYOUT
 SCALE 1:100



Legend:

APFP Regulation: 5(2)(o)

SLR
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Drawing Status & Suitability Code
NOT FOR APPROVAL

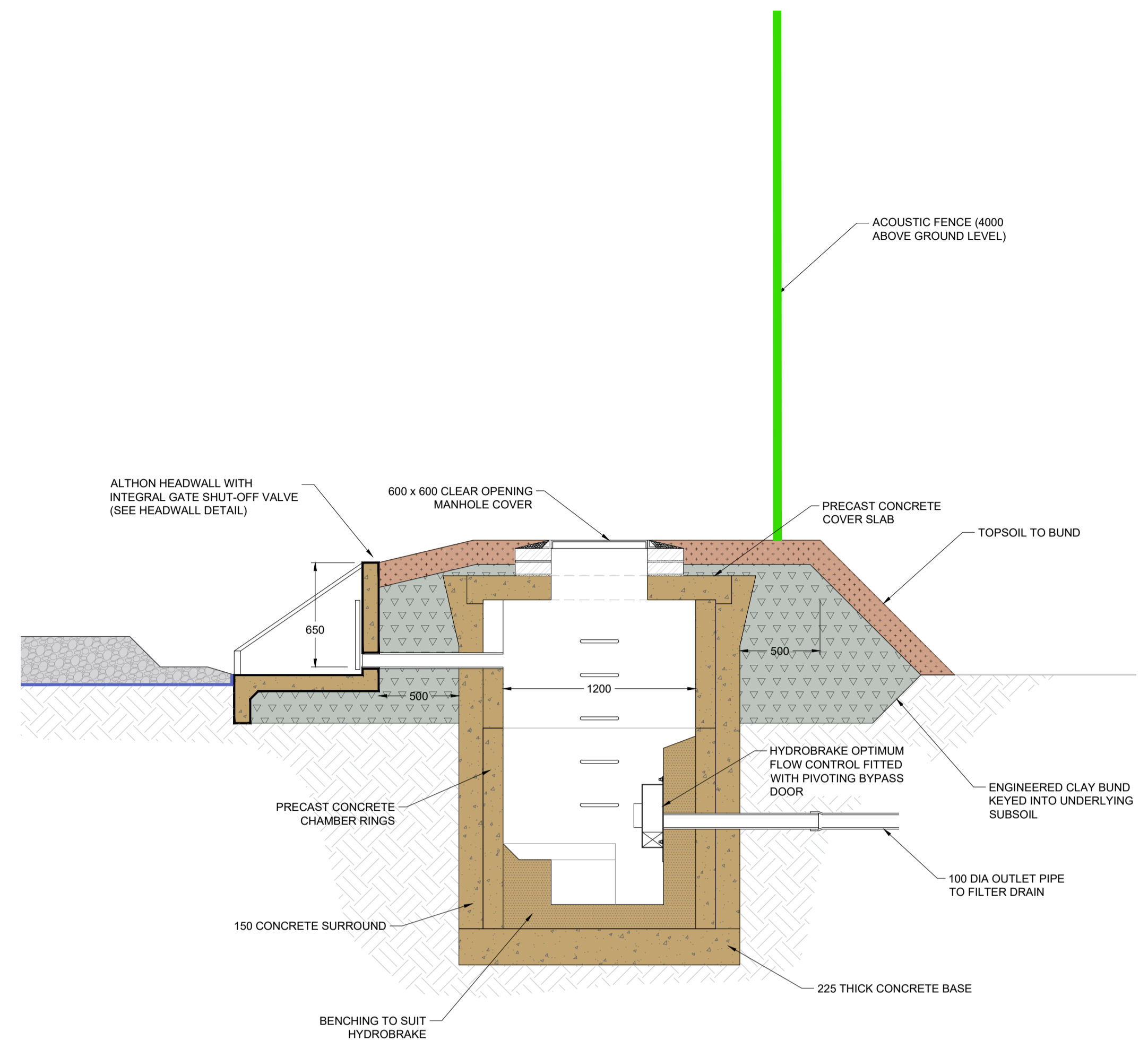
Client
 EPL 001 LIMITED

Project
 STONESTREET GREEN SOLAR

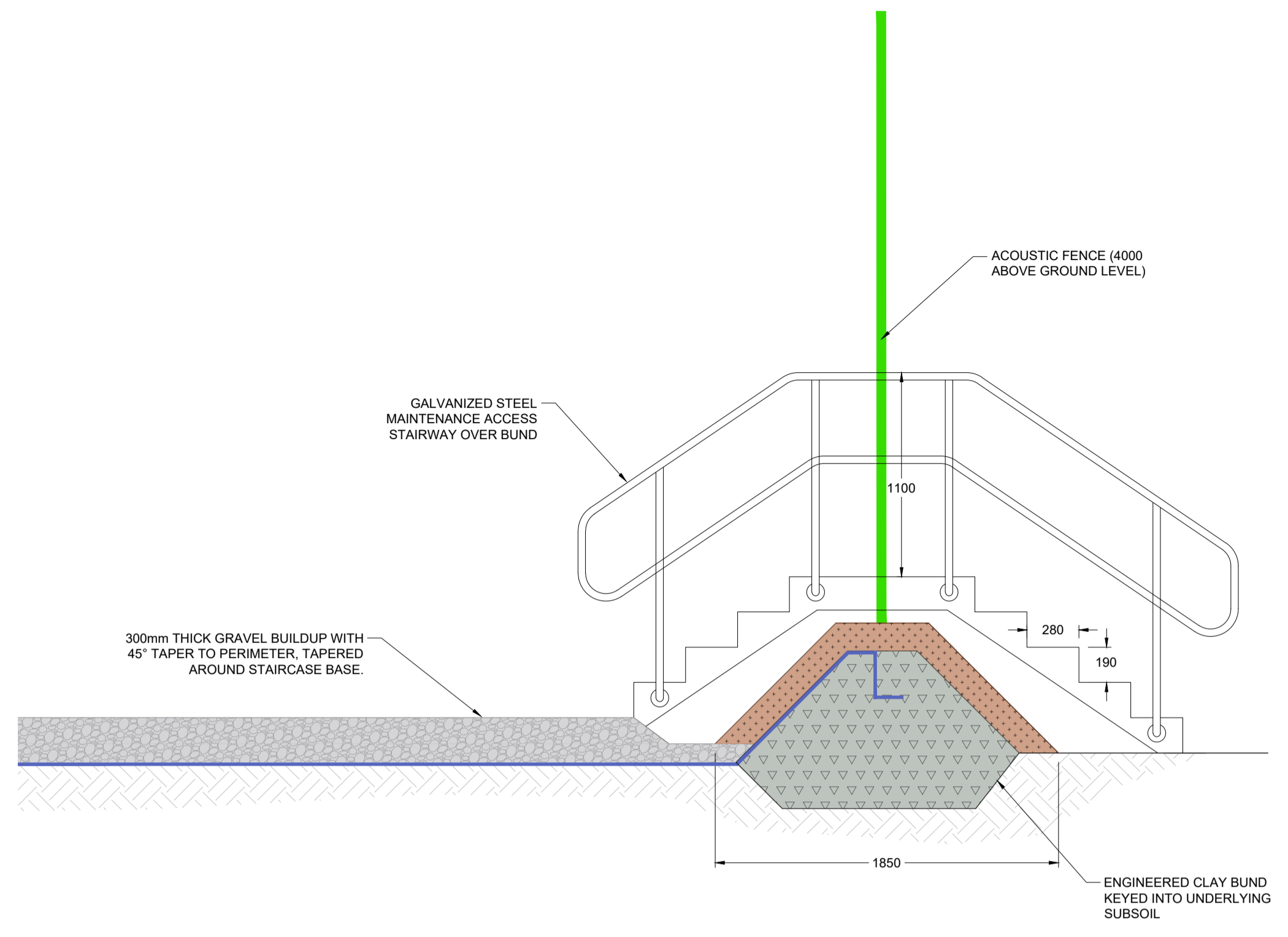
Drawing Title
 INVERTER STATION
 ILLUSTRATIVE GENERAL ARRANGEMENT

Scale	1:100	@ A1	SLR Project No.	425.064837.00001
Designed	DP/PS	Drawn	Checked	Authorised
	PS		DP	IW
Date	JUN 24	Date	JUN 24	Date
	JUN 24		JUN 24	JUN 24
Drawing Number	CIV_008			Rev
				01

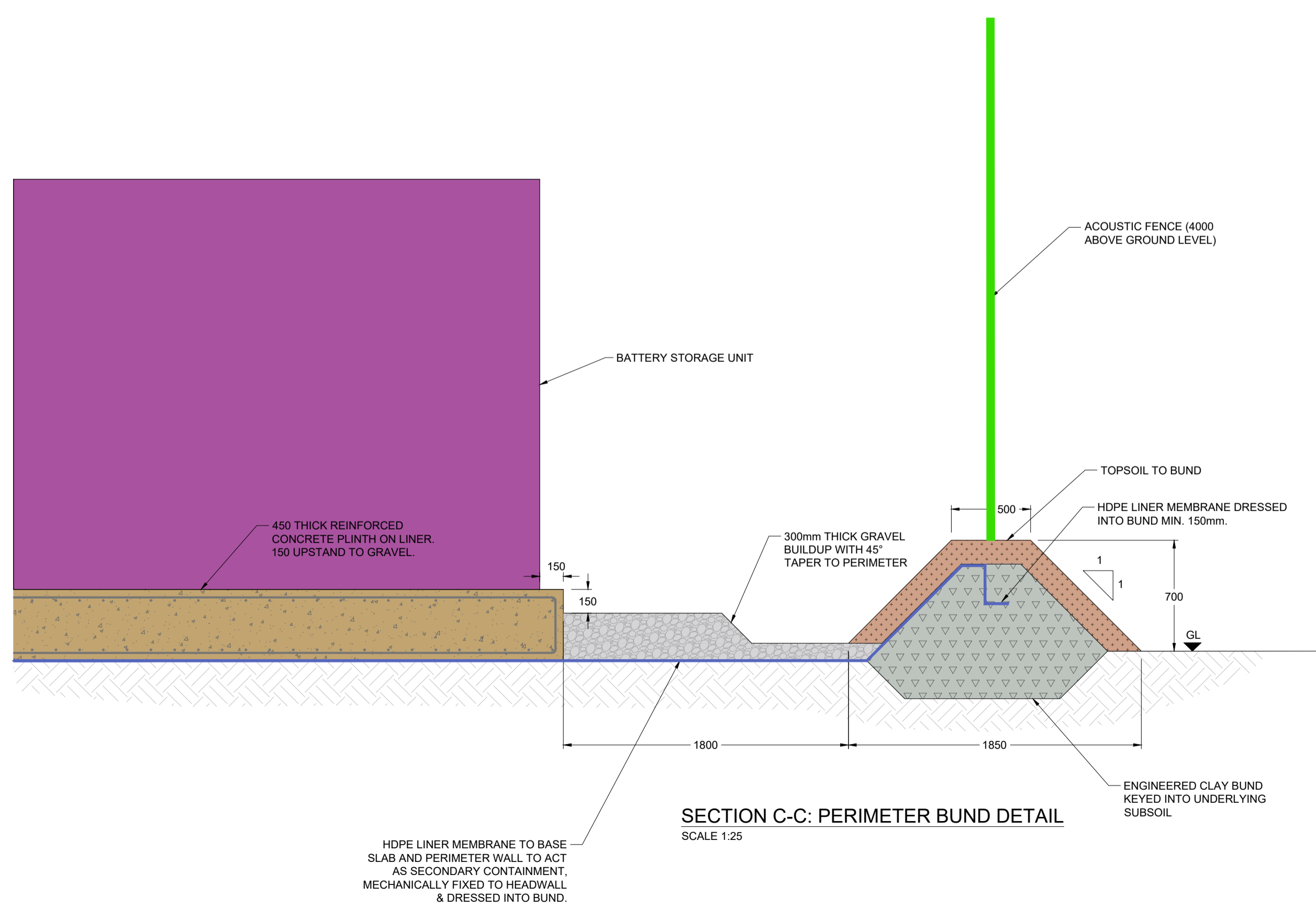
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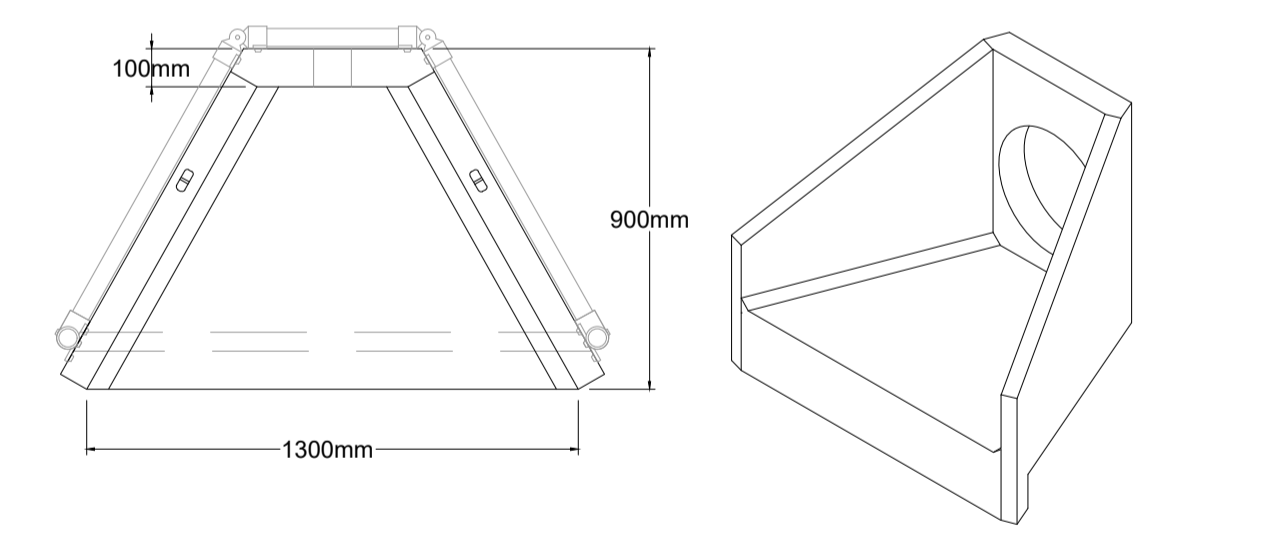
SECTION A-A: DRAINAGE OUTLET DETAIL
SCALE 1:25



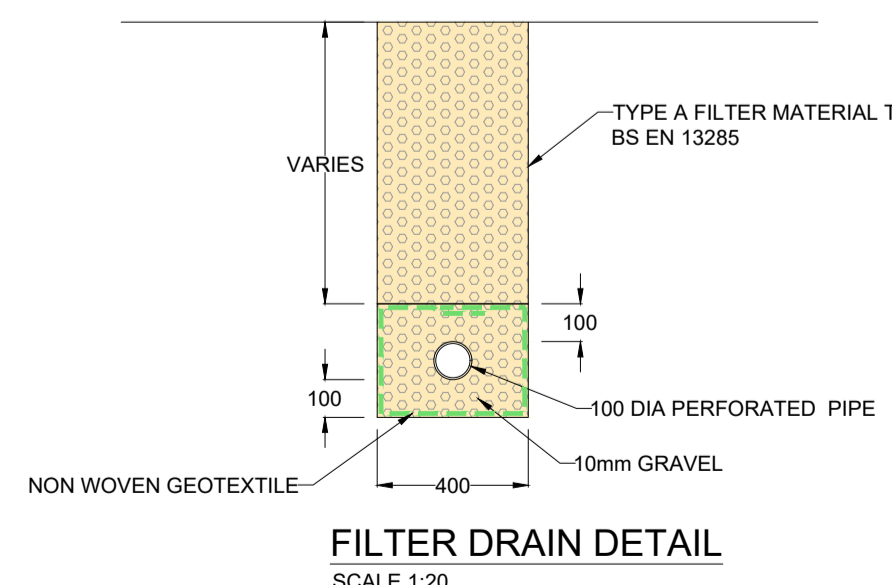
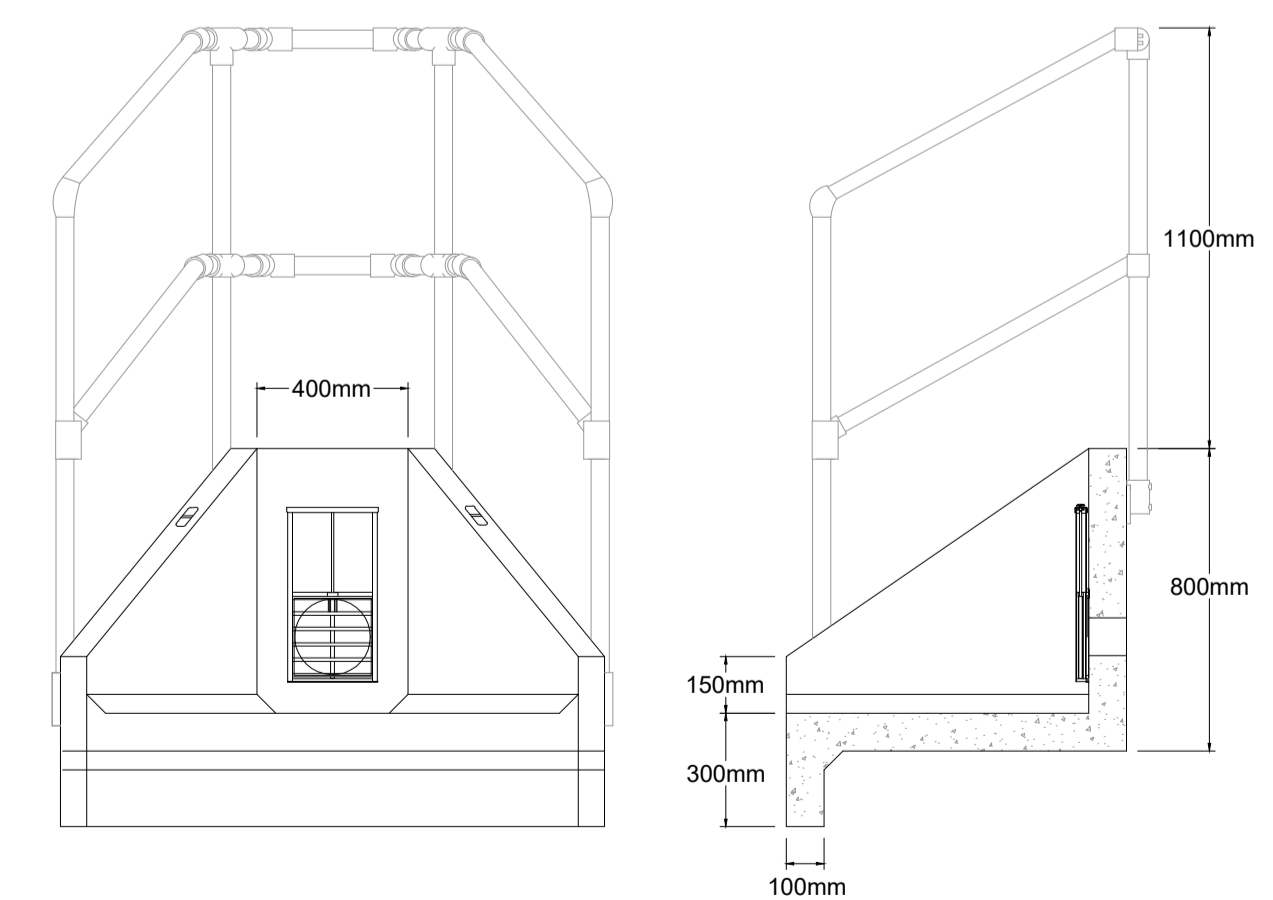
DETAIL B-B: ACCESS DETAIL
SCALE 1:25



SECTION C-C: PERIMETER BUND DETAIL
SCALE 1:25



HEADWALL DETAIL WITH PENSTOCK
SCALE 1:20



FILTER DRAIN DETAIL
SCALE 1:20

Notes:

Legend:

APFP Regulation: 5(2)(o)

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Drawing Status & Suitability Code: **NOT FOR APPROVAL**

Client: EPL 001 LIMITED

Project: STONESTREET GREEN SOLAR

Drawing Title: **INVERTER STATION ILLUSTRATIVE DETAILS**

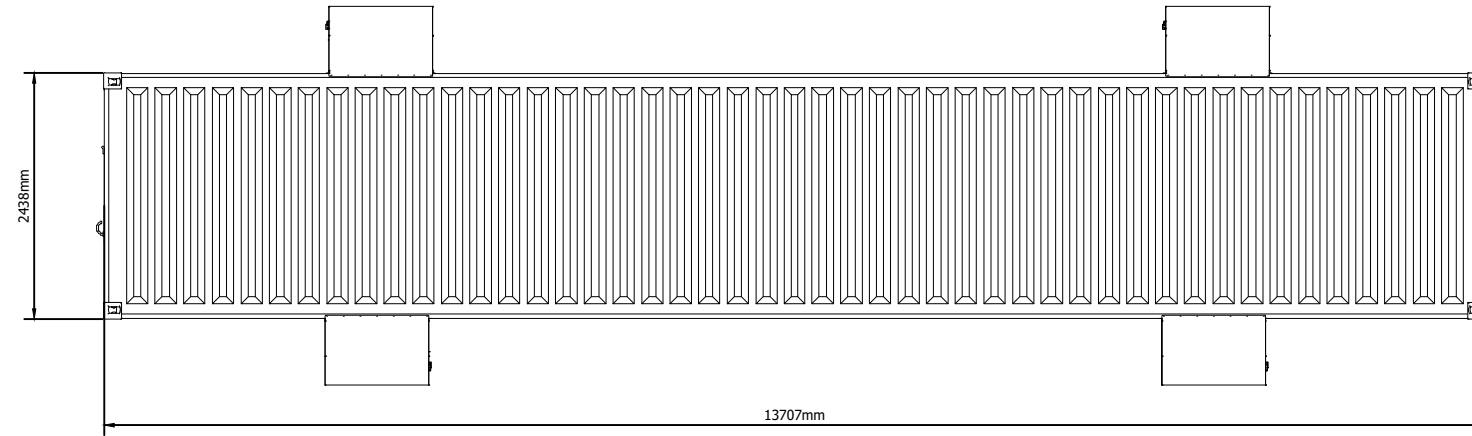
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Date: JUN 24	Date: JUN 24	Date: JUN 24
Authorised: IW		

Drawing Number: **CIV_009** Rev: **01**

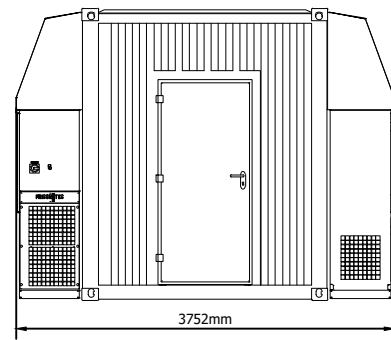
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G:\135726 EPL_001 Limited\425.064837.00001 - Stonestreet Green\CIV\Drawings\March_2024\425.064837.00001 CIV009-9.0 Typical Inverter Plant Details.dwg Alex Britts 05/03/2024

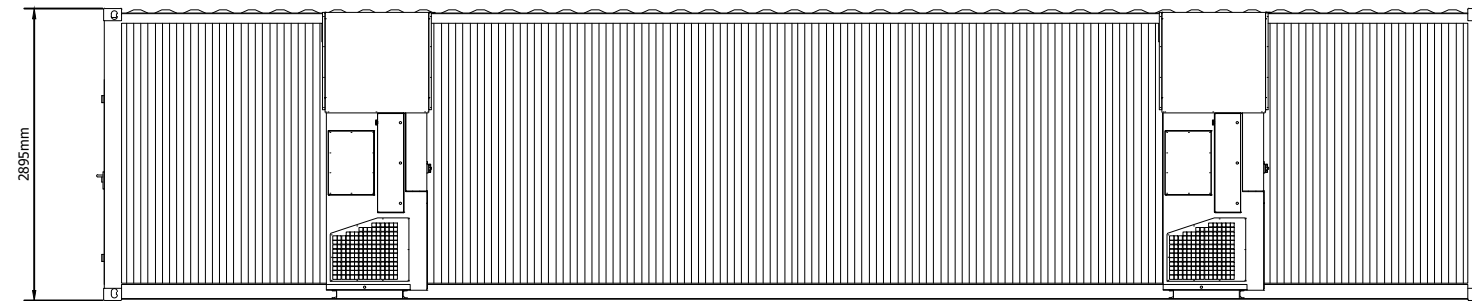
Plan View



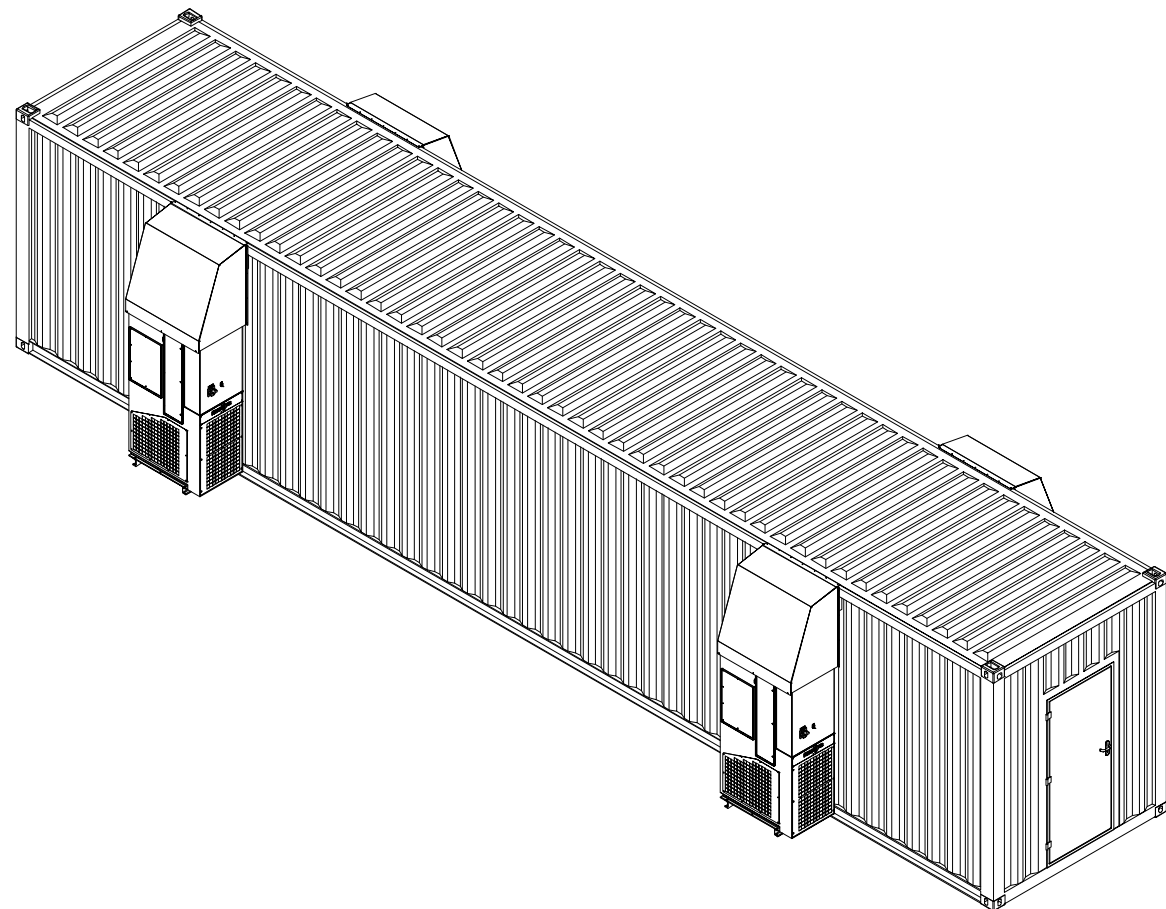
Front Elevation



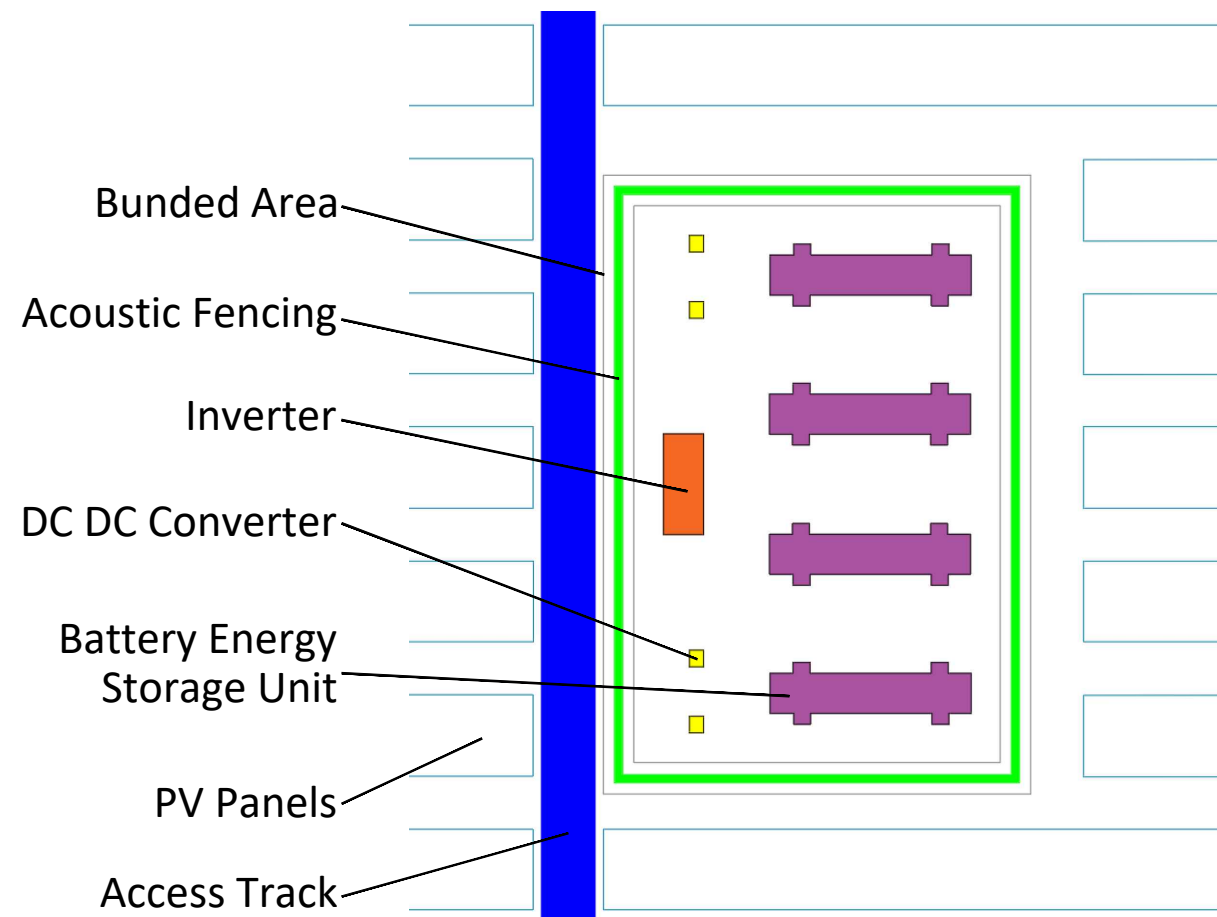
Side Elevation



Isometric View



Illustrative Work No.2 Area



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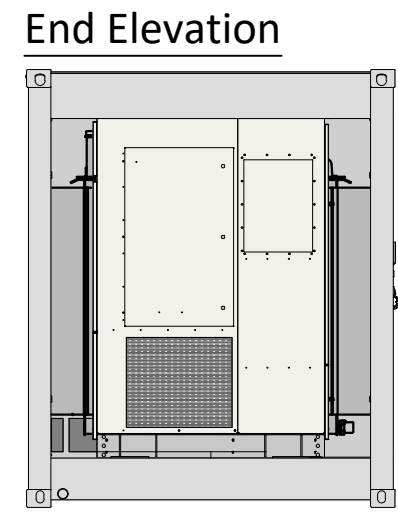
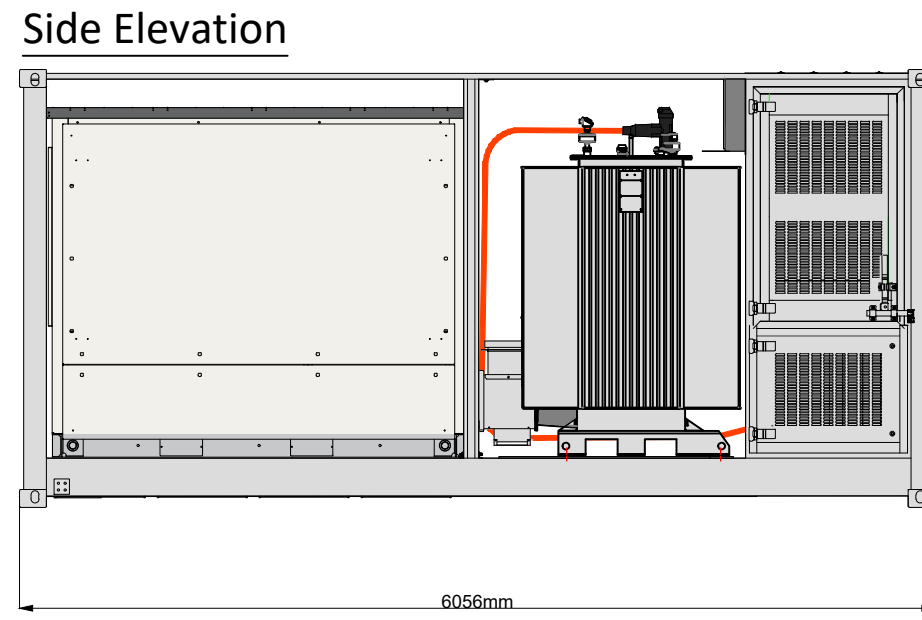
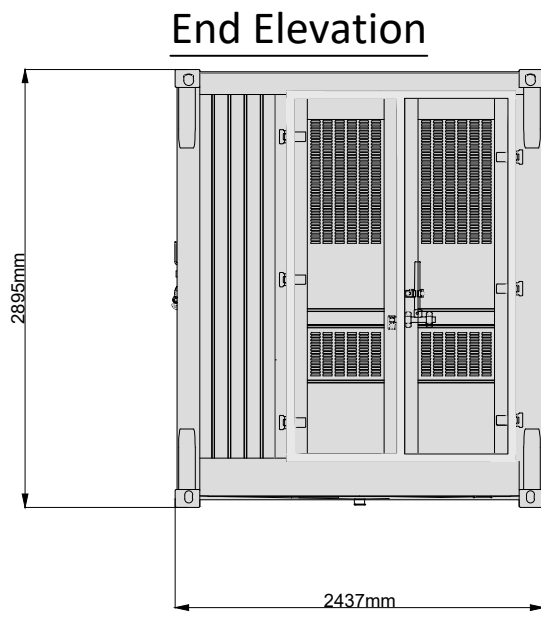
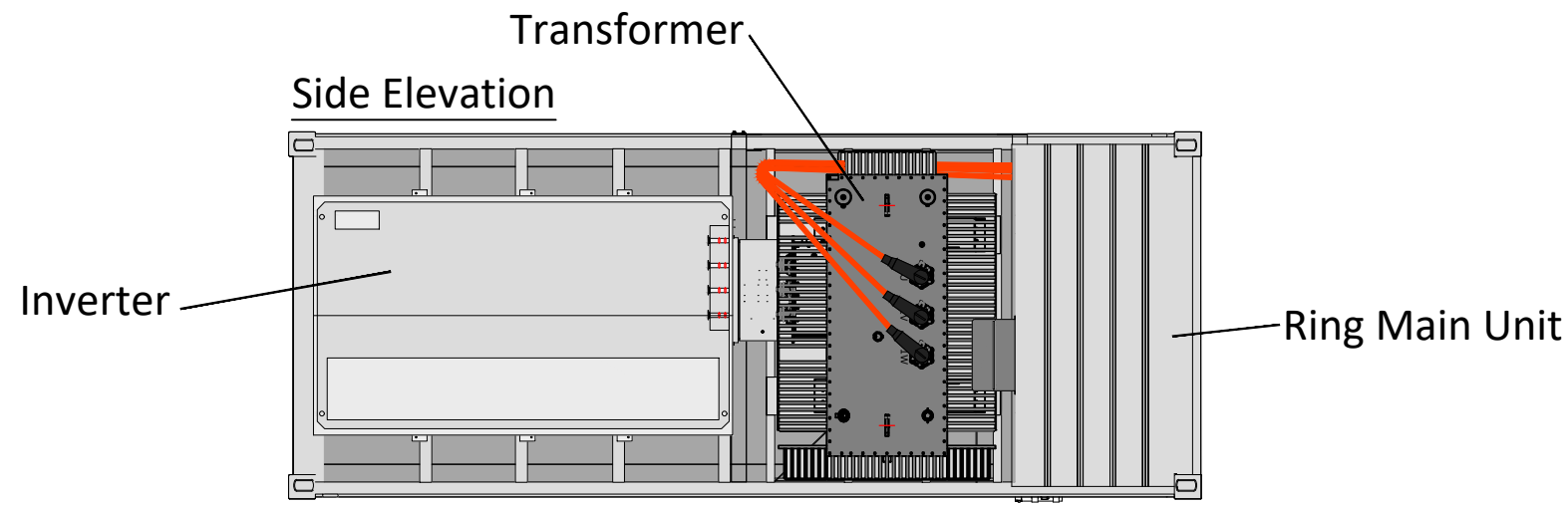
Drawing Title:
 Illustrative Battery
 Energy Storage System
 Detail

Document Reference #:
 142-02-20

Scale: 1:75@A3 APFP Reg. 5(2)(o)

Produced: RC Checked: Quod Date: June 2024 Version: 01

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Project Name:
Stonestreet Green Solar

Drawing Title:
Illustrative Containerised
Inverter Station Detail

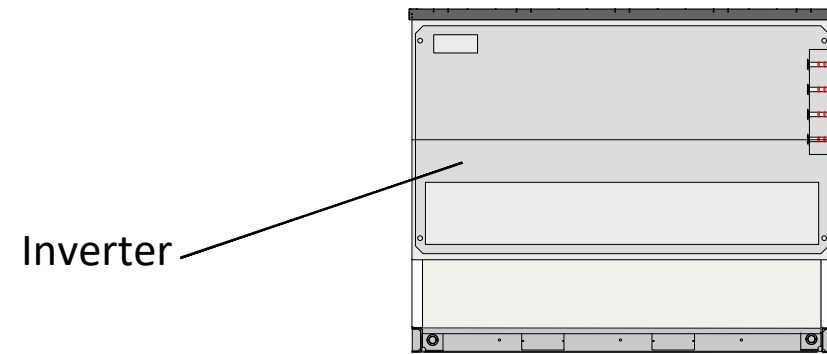
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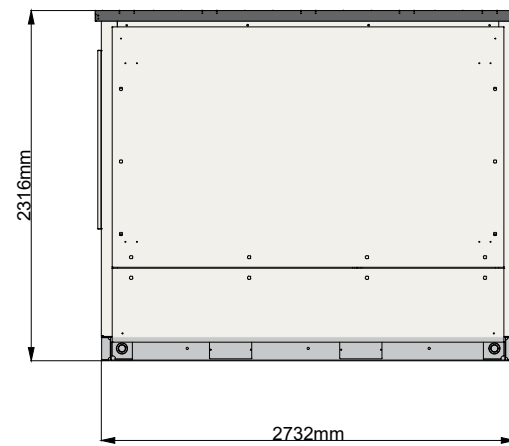
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RC	Quod	June 2024	01

Notes:

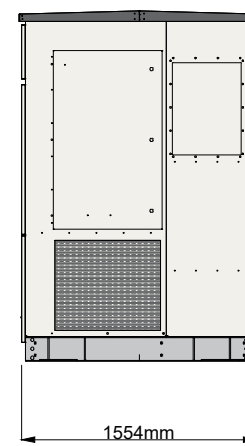
Side Elevation



Side Elevation



End Elevation



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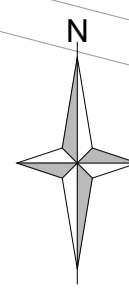
Project Name:
Stonestreet Green Solar

Drawing Title:
Illustrative Inverter
Station Individual Detail

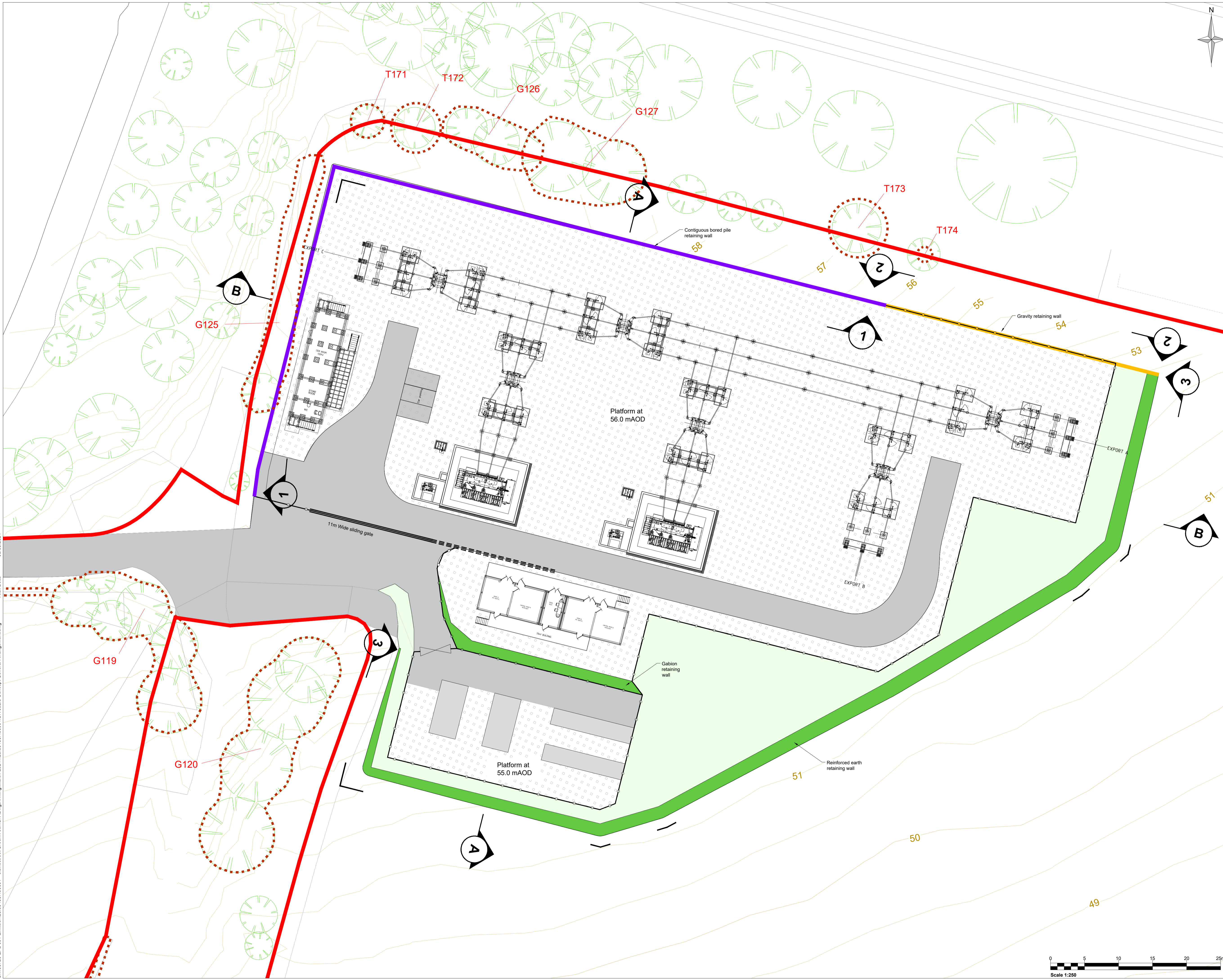
Document Reference #:
142-02-15-B

Scale: 1:50@A3 APFP Reg. 5(2)(o)

Produced:	Checked:	Date:	Version:
RC	Quod	June 2024	01



- Notes:**
-
- Legend:**
- ORDER LIMITS
 - SECURITY FENCELINE
 - PROPOSED GRAVEL SURFACE
 - PROPOSED TARMAC SURFACE
 - ROOT PROTECTION ZONES
 - CONTIGUOUS BORED PILE RETAINING WALL (SEE CIV_007 FOR DETAILS)
 - GRAVITY RETAINING WALL (SEE CIV_007 FOR DETAILS)
 - REINFORCED EARTH RETAINING WALL (SEE CIV_007 FOR DETAILS)
 - GRASSED AREA
 - SECTION LINE MARKER (SEE DRAWING CIV_005 FOR SECTIONS)
 - ELEVATION LINE MARKER (SEE DRAWING CIV_06 FOR ELEVATIONS)



APFP Regulation: 5(2)(o)

01	FIRST ISSUE	6/24	PS	DP	IW
Rev	Amendments	Date	By	Chk	Auth



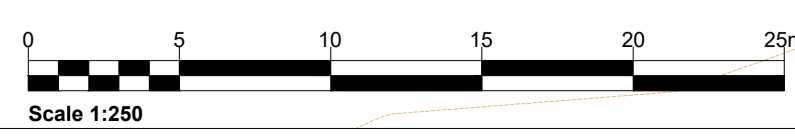
NOT FOR APPROVAL

Client
EPL 001 LIMITED

Project
STONESTREET GREEN SOLAR

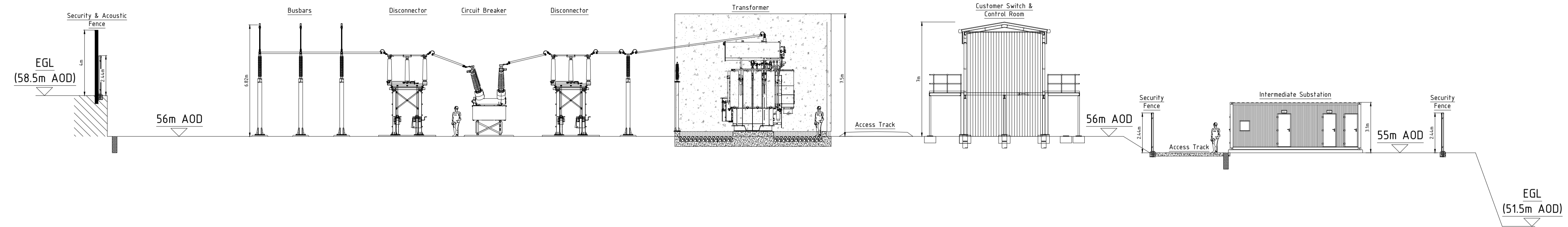
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132kV PROJECT SUBSTATION
ILLUSTRATIVE GENERAL ARRANGEMENT

Scale 1:250	@ A1	SLR Project No. 425.064837.00001
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Date JUN 24	Date JUN 24	Date JUN 24
Authorised IW	Date JUN 24	Rev 01
Drawing Number CIV_002		

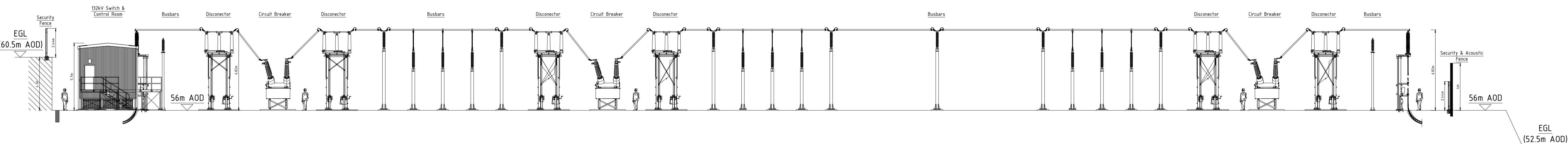


05/03/2024 Alex Britts

Section A-A Facing East (1:150@A1)



Section B-B Facing North (1:175@A1)





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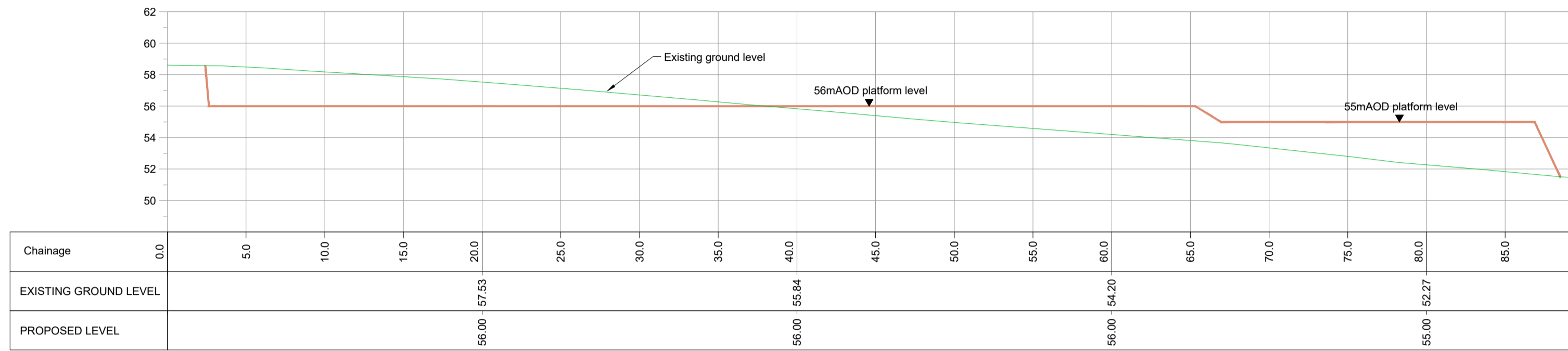
Project Name:
 Stonestreet Green Solar
 Document Name:
 Illustrative 132kV
 Project Substation
 Sections

Document Reference #:
 142-02-11-A

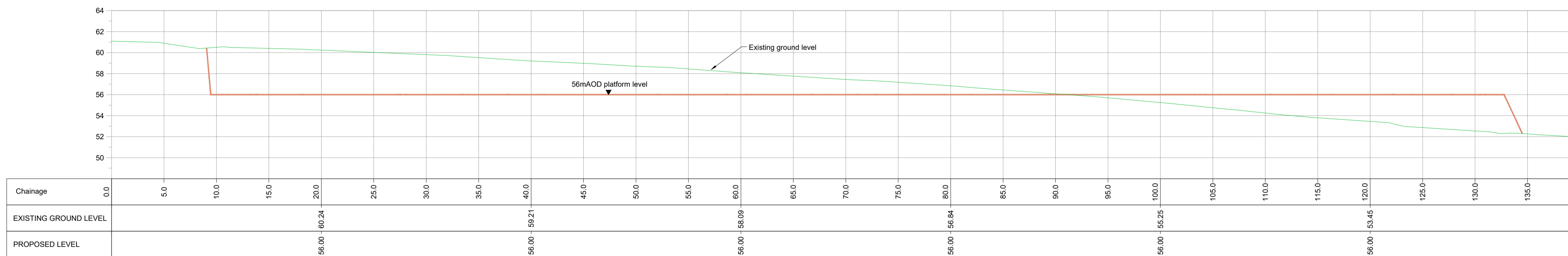
Scale: As Shown@A1 APFP Reg. 5(2)(c)
 Produced: JSM Checked: Quod Date: June 2024 Version: 01

Notes:
1. SEE DRAWING CIV_002 FOR SECTION LOCATIONS

Legend:
 EXISTING GOUND LEVEL
 PROPOSED DEVELOPMENT PLATFORM



Section A-A



Section B-B

APFP Regulation: 5(2)(o)

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Rev	Amendments	Date	By	Chk	Auth



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Drawing Status & Suitability Code

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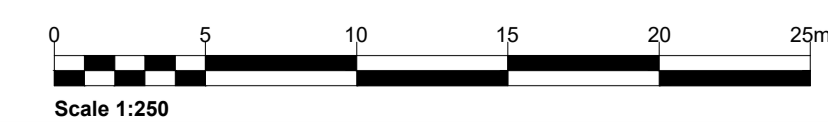
Project
STONESTREET GREEN SOLAR

Drawing Title
132kV PROJECT SUBSTATION
ILLUSTRATIVE RETAINING WALLS SECTIONS

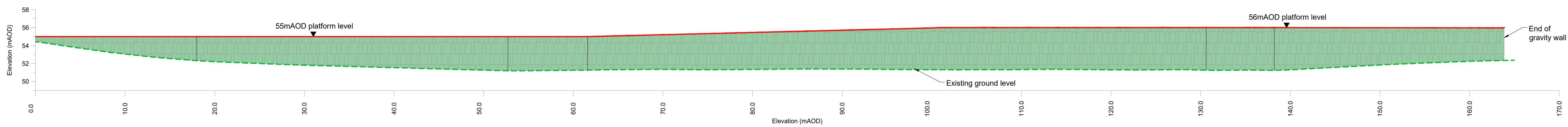
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Designed DP/PS	Drawn PS	Checked DP	Authorised IW
Date JUN 24	Date JUN 24	Date JUN 24	Date JUN 24

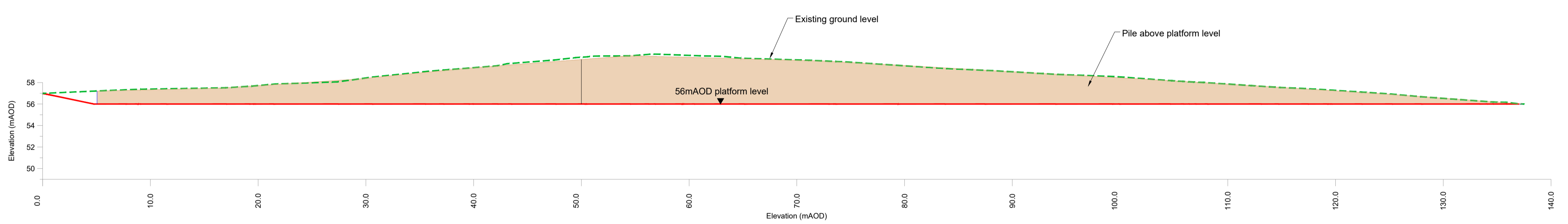
Drawing Number: CIV_005 Rev: 01



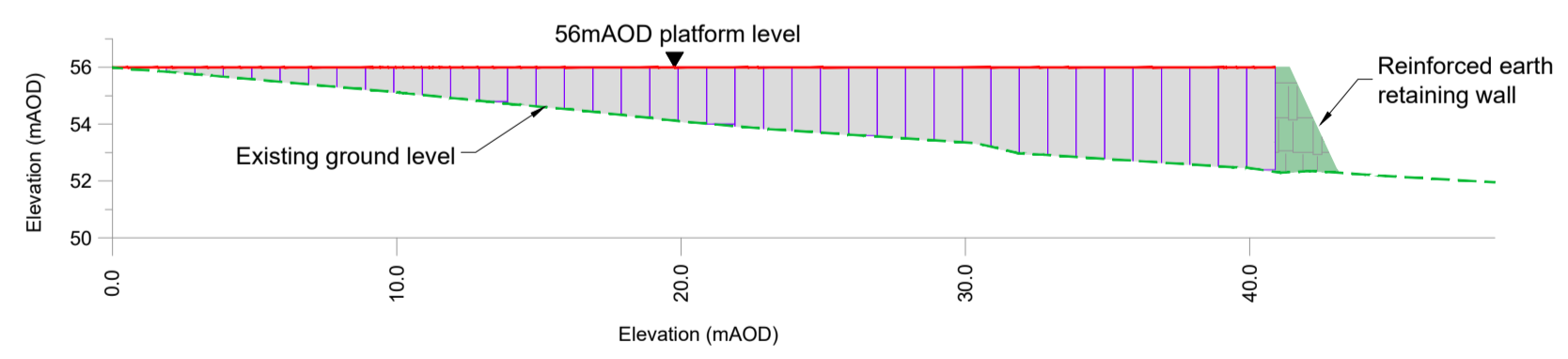
G:\135726 EPL_001 Limited\425.064837.0001 - Stonestreet Green\CAD\Drawings\March 2024\425.064837.0001 CIV006.0 Retaining Walls Elevations.dwg Alex Betts 05/03/2024



Elevation 1-1: Reinforced earth retaining wall
Scale 1:250



Elevation 2-2: Contiguous bored pile retaining wall
Scale 1:250



Elevation 3-3: Gravity retaining wall
Scale 1:250

- Notes:**
- SEE DRAWING CIV_002 FOR ELEVATION LINES
 - SEE DRAWING CIV_007 FOR RETAINING WALL DETAILS

- Legend:**
- EXISTING GROUND LEVEL
 - PROPOSED DEVELOPMENT PLATFORM
 - REINFORCED EARTH RETAINING WALL
 - CONTIGUOUS BORED PILE RETAINING WALL
 - GRAVITY RETAINING WALL

APFP Regulation: 5(2)(o)

Rev	Amendments	Date	By	Chk	Auth
01	FIRST ISSUE	6/24	PS	DP	IW



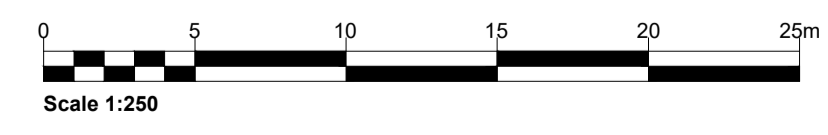
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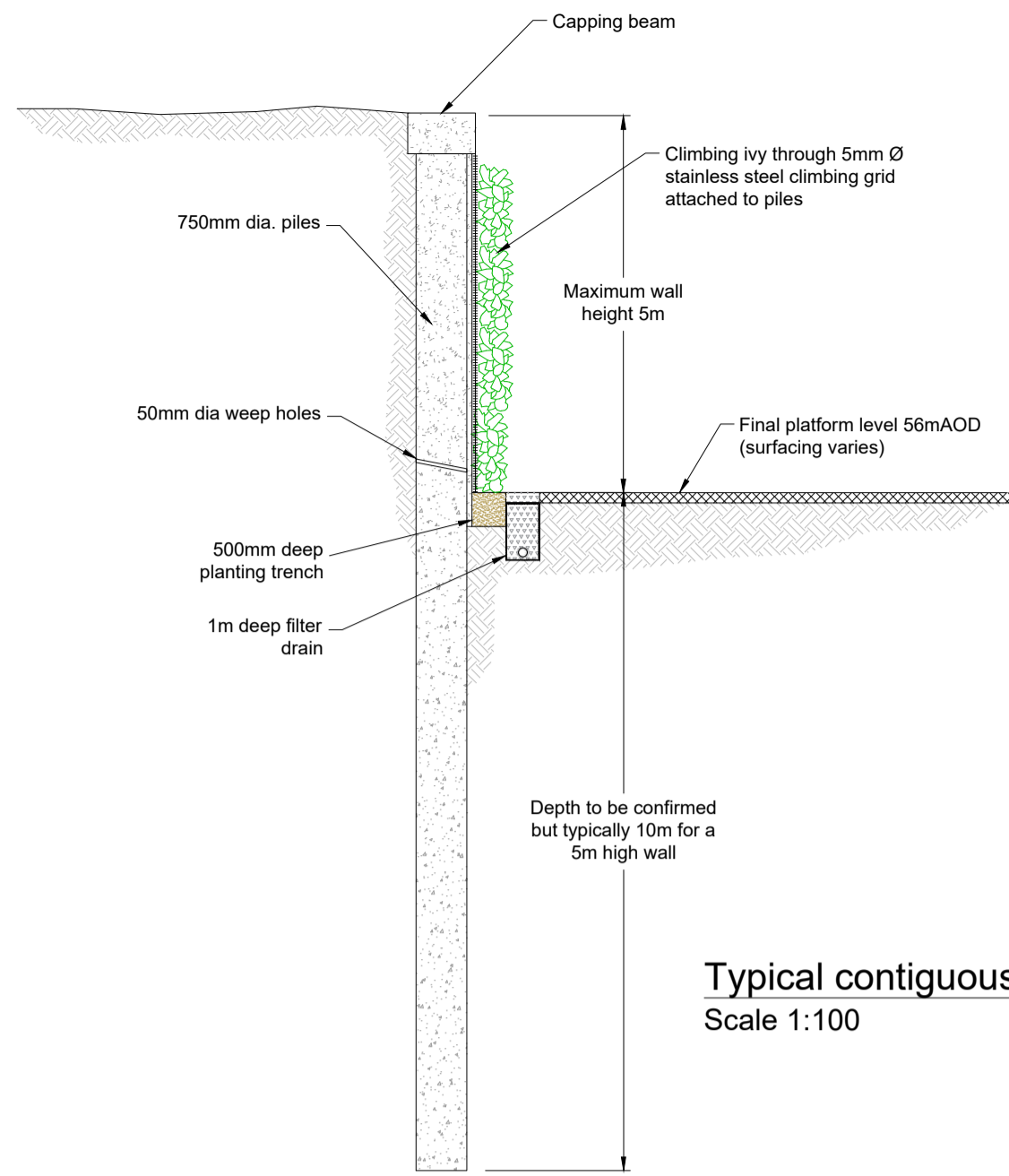
Client
EPL 001 LIMITED

Project
STONESTREET GREEN SOLAR

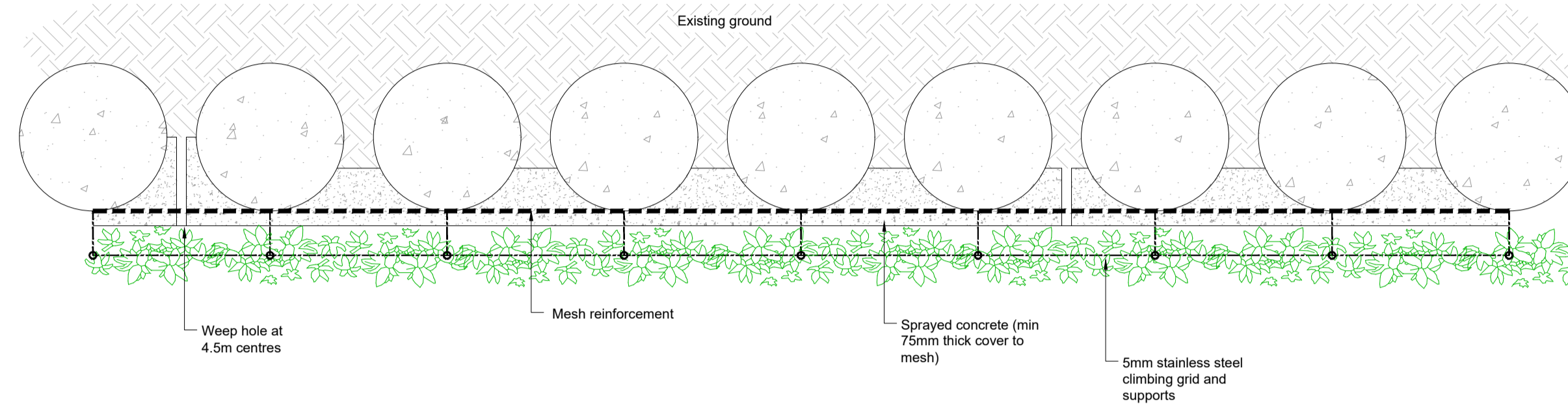
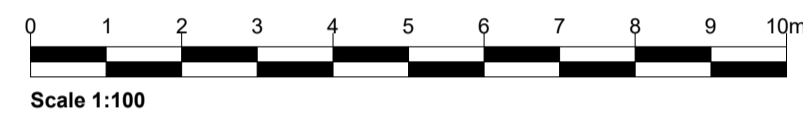
Drawing Title
132kV PROJECT SUBSTATION
ILLUSTRATIVE RETAINING WALLS ELEVATIONS

Scale 1:250	SLR Project No. 425.064837.00001		
Designed DP/PS	Drawn PS	Checked DP	Authorised IW
Date JUN 24	Date JUN 24	Date JUN 24	Date JUN 24
Drawing Number CIV_006			Rev 01





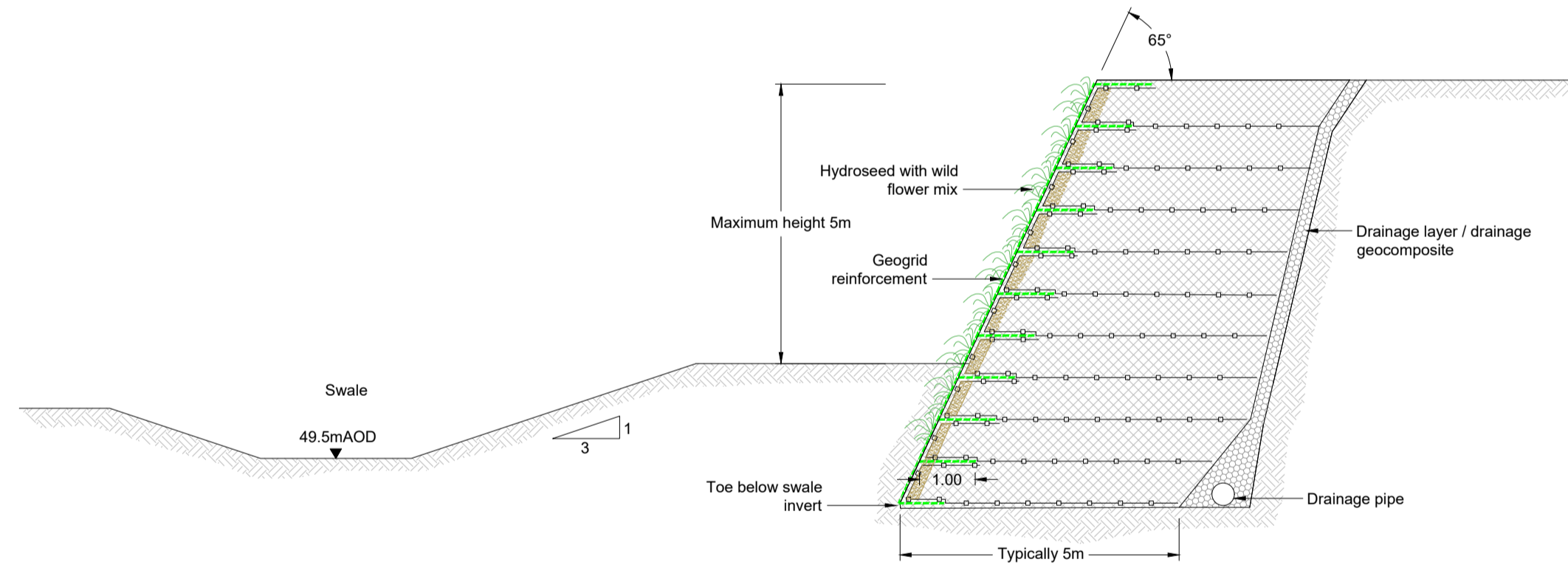
Typical contiguous bored pile wall detail
Scale 1:100



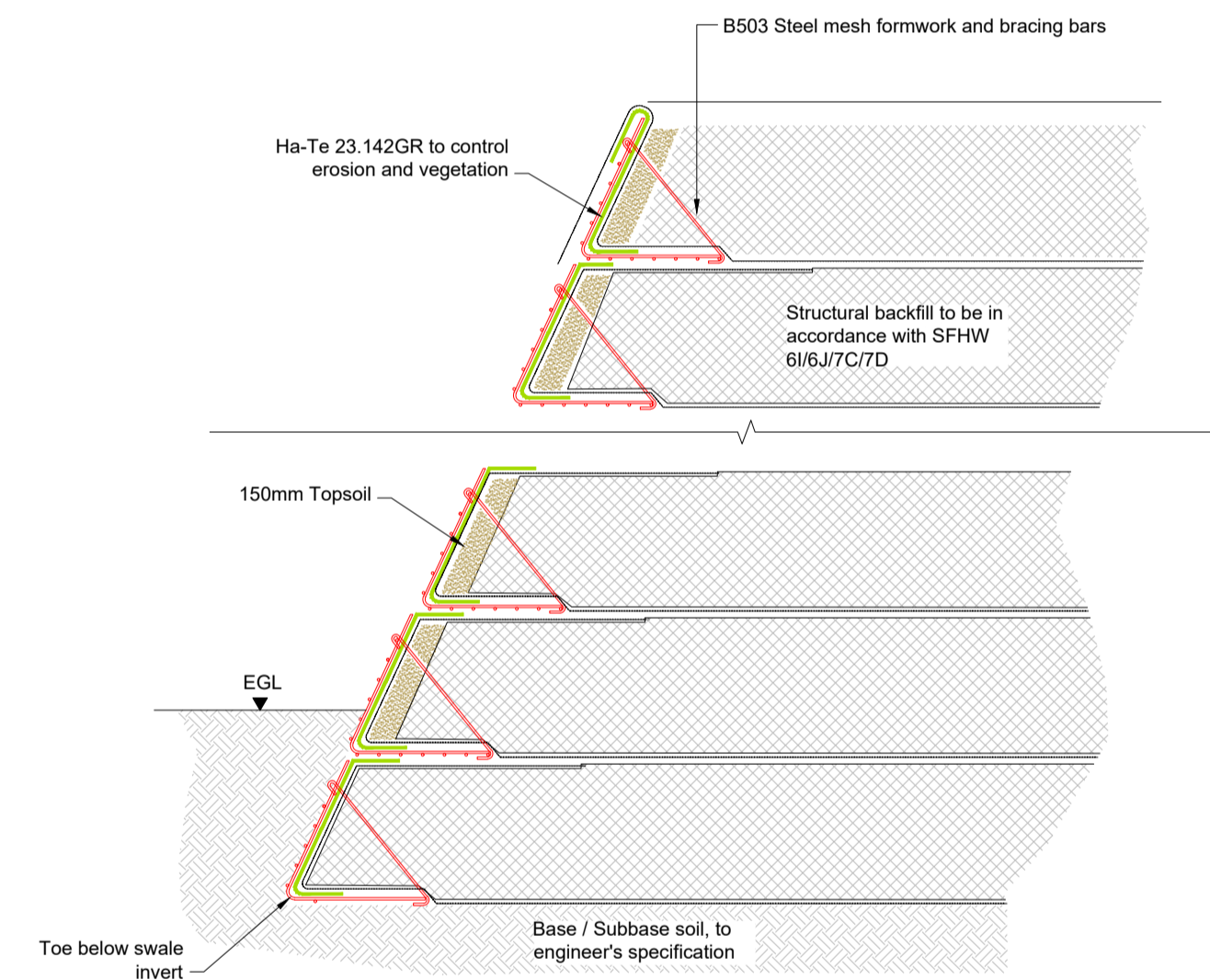
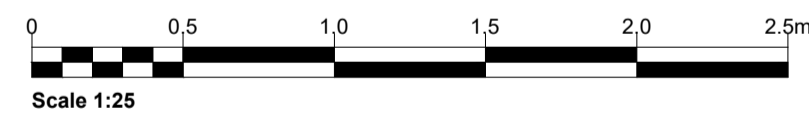
Typical plan on contiguous bored pile retaining wall
Scale 1:25



Contiguous bored pile wall

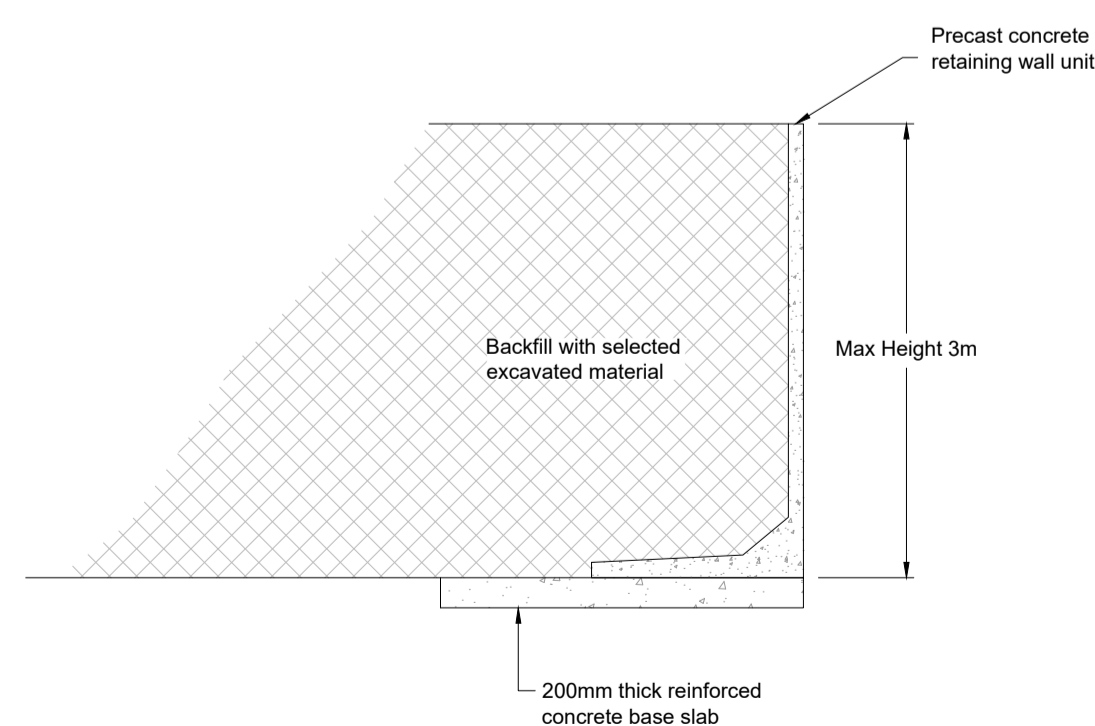


Typical section through reinforced earth retaining wall
Scale 1: 100

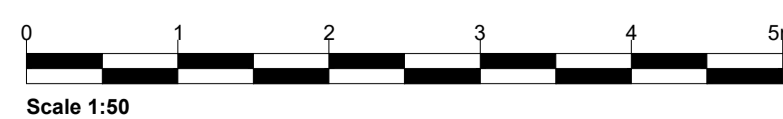


Typical reinforcement and backfill detail
Not to scale

Earth reinforced retaining wall



Typical Section Through Gravity Retaining Wall
Scale 1:50



Gravity retaining wall

Notes:

Legend:

APFP Regulation: 5(2)(o)

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Rev	Amendments	Date	By	Chk	Auth



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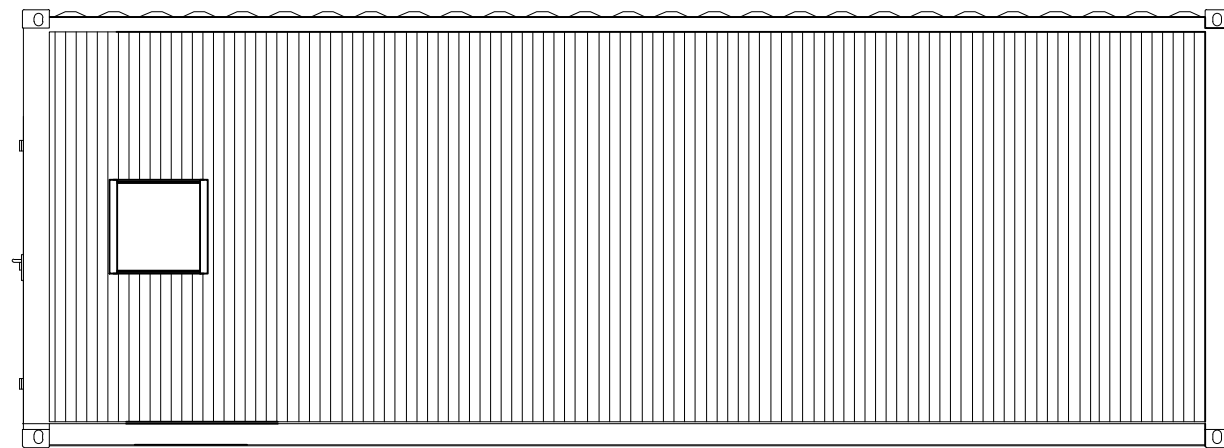
Project
STONESTREET GREEN SOLAR

Drawing Title
132kV PROJECT SUBSTATION
ILLUSTRATIVE RETAINING WALLS DETAILS

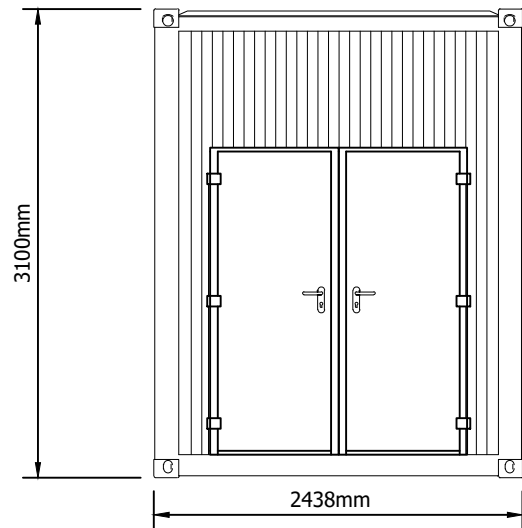
Scale AS SHOWN @ A1	SLR Project No. 425.064837.00001		
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Date JUN 24	Date JUN 24	Date JUN 24	Date JUN 24
Drawing Number CIV_007	Rev 01		



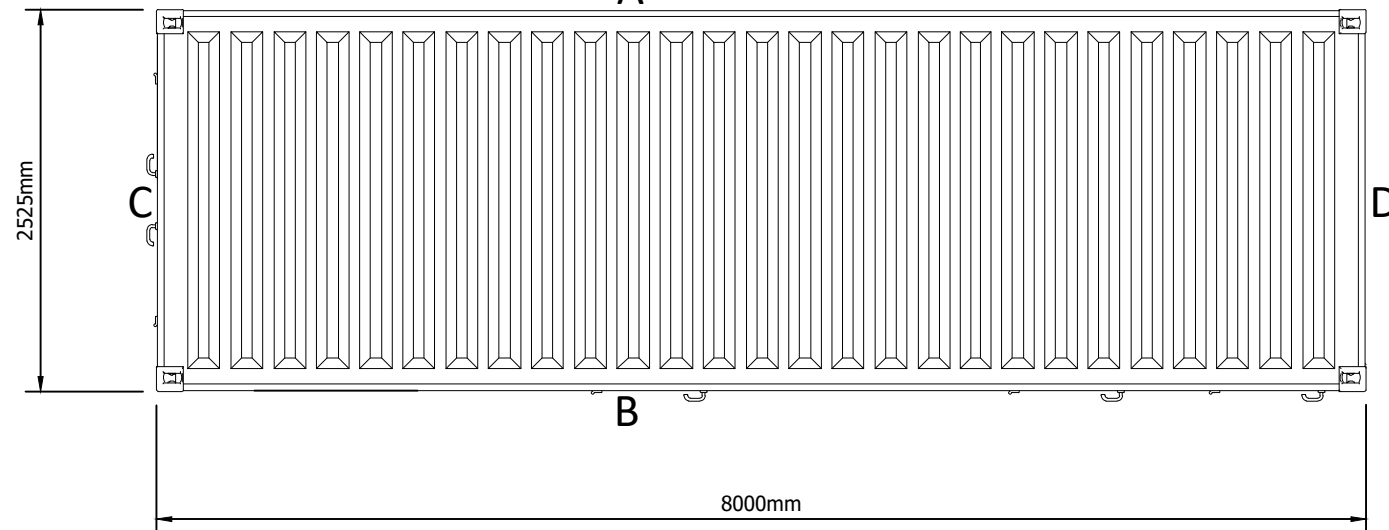
Elevation A



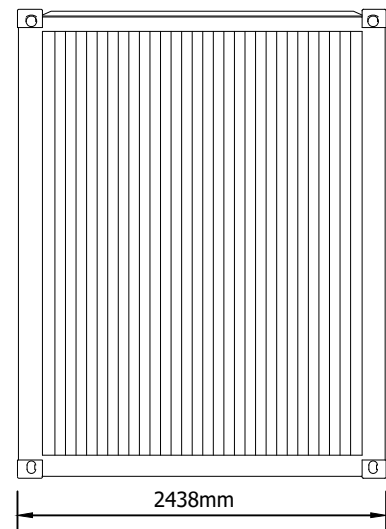
Elevation C



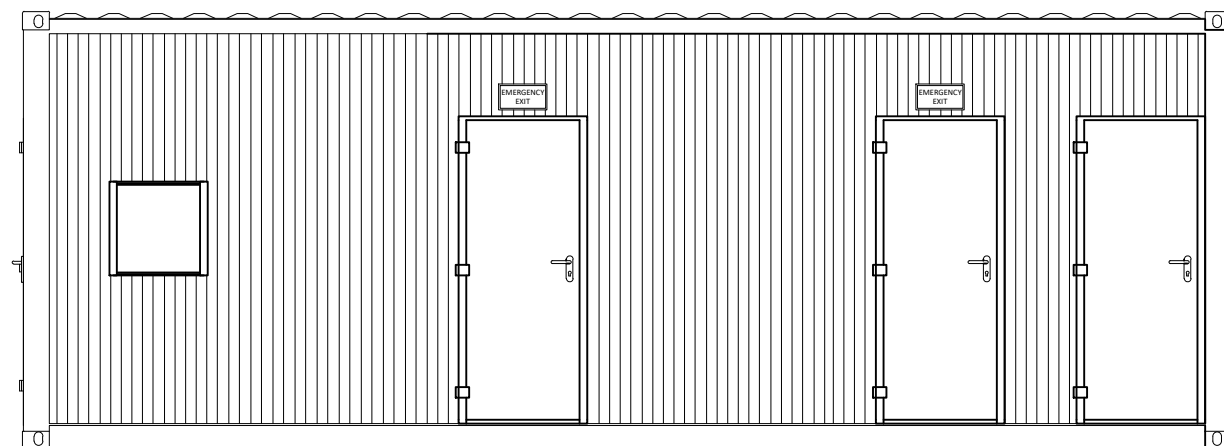
Plan



Elevation D



Elevation B



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Notes:



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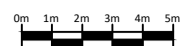
Project Name:
 Stonestreet Green Solar

Drawing Name:
 Illustrative Intermediate
 Substation Layout

Drawing Number:
 142-02-14

Scale: 1:50@A3 APFP Reg. 5(2)(o)

Produced: RC Checked: Quod Date: June 2024 Version: 01



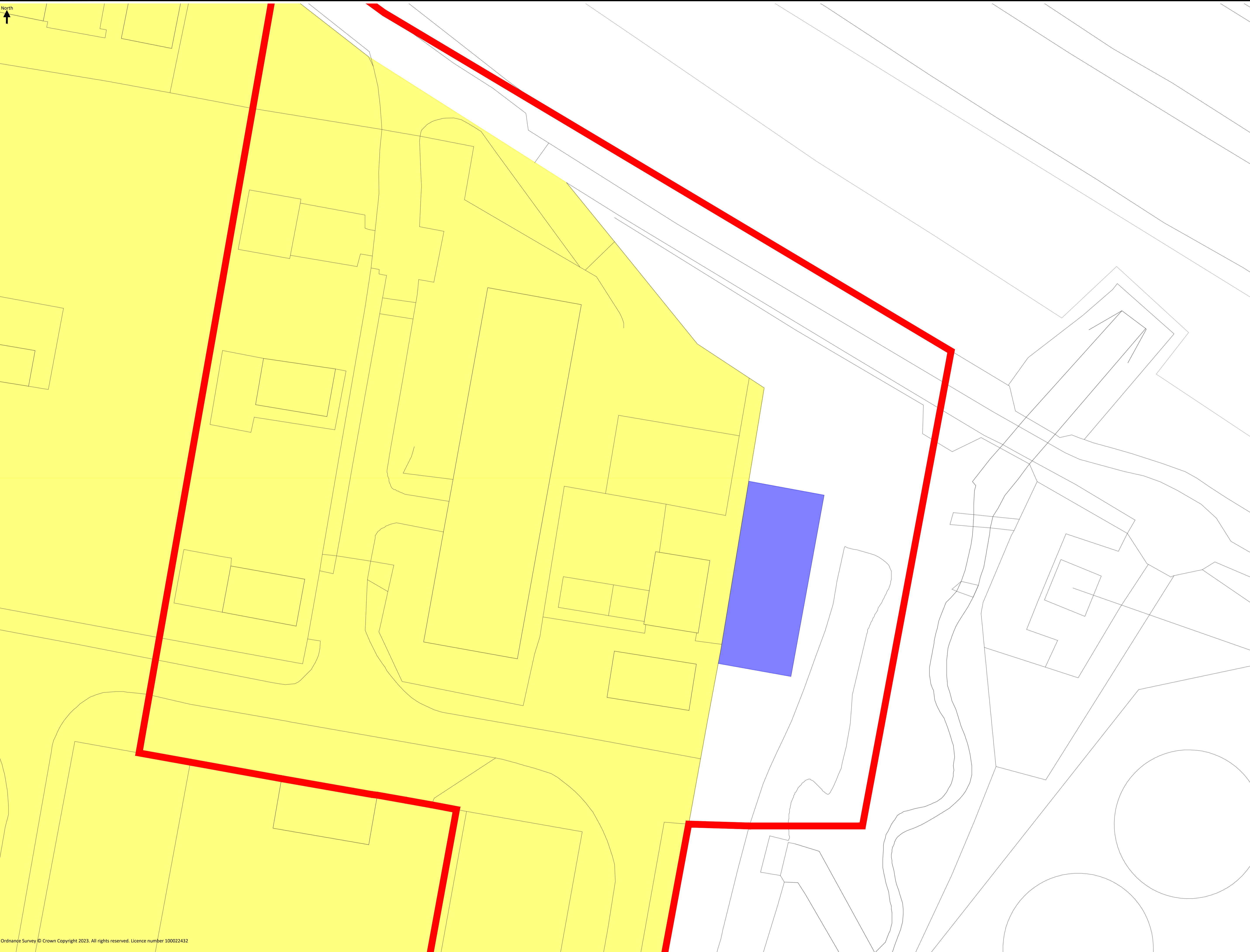
Notes:

Postcode: TN25 7HP W3W: paints.embodied.warp

Key:

- Order Limits
- Existing Perimeter Of Sellindge Substation
- Illustrative Area Of Extension

North



Project Name:
 Stonestreet Green Solar

Drawing Title:
 Illustrative Sellindge Substation Plan

Document Reference #:
 142-01-48-E-02

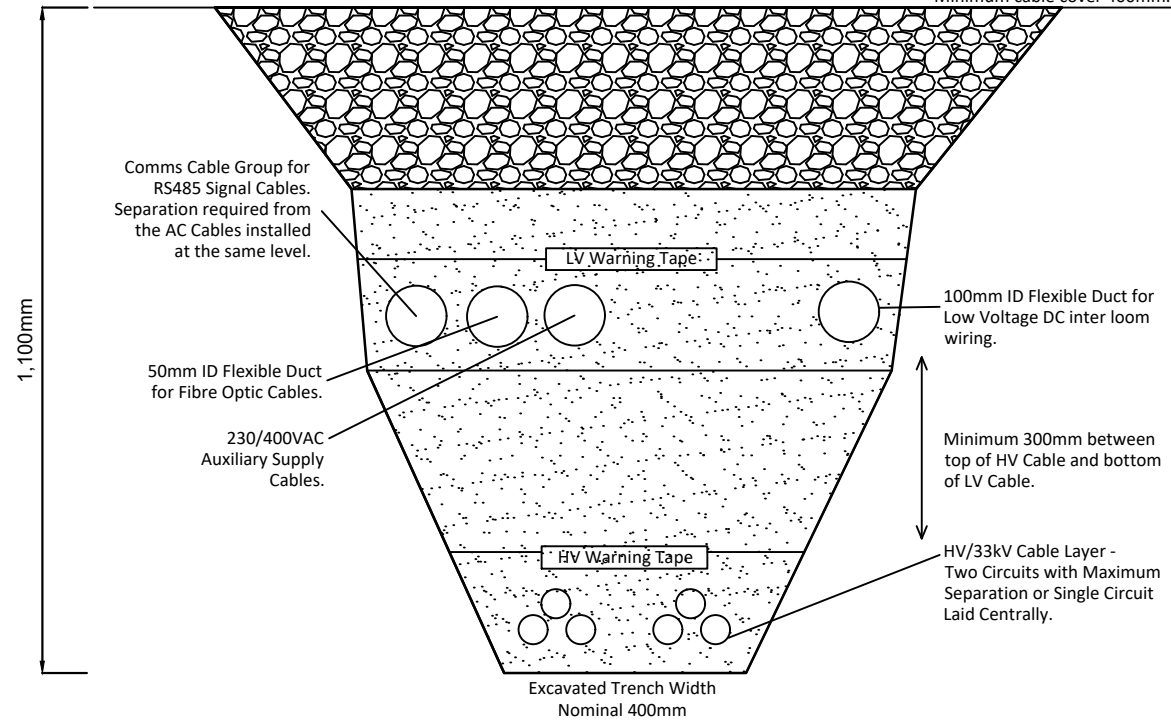
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 Produced: RC Checked: CM Date: June 2024 Version: 01

1:12.5@A3

HV and LV Trench TRENCH TYPE 1

Excavated Trench Width
Nominal 1400mm

The original spoil can be used as the backfill, avoid sharp or large objects.
Minimum cable cover 400mm.

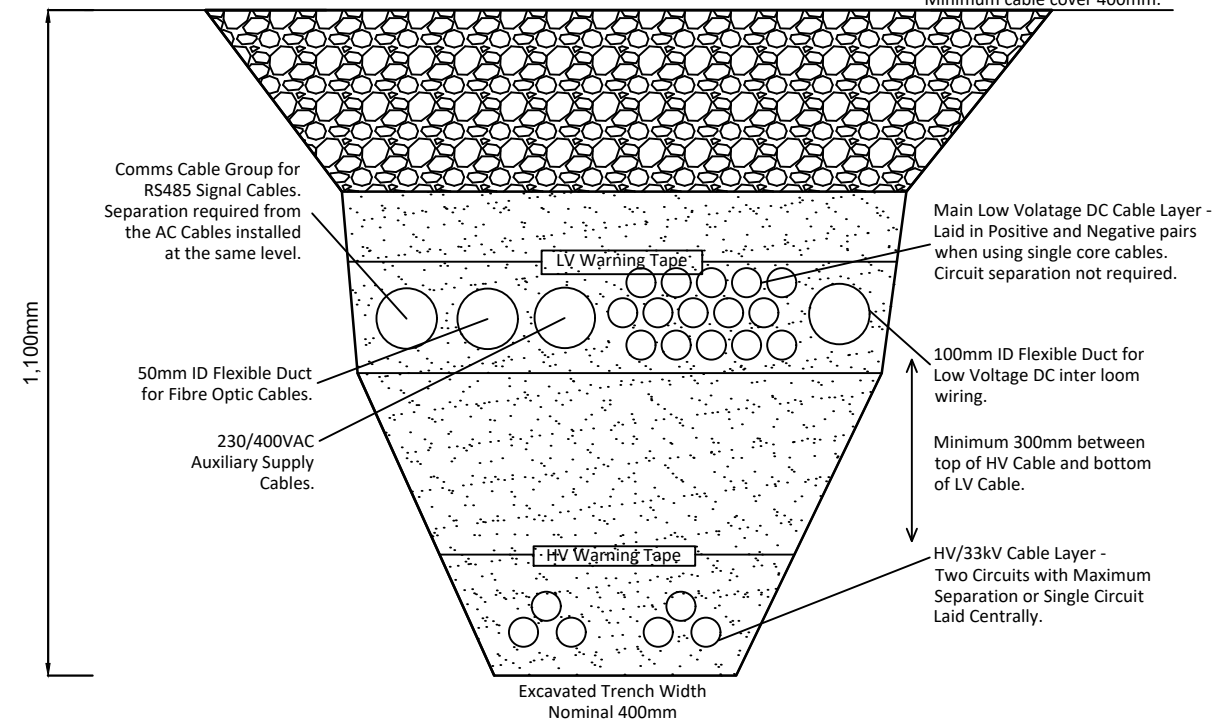


1:12.5@A3

HV and LV Trench TRENCH TYPE 2

Excavated Trench Width
Nominal 1400mm

The original spoil can be used as the backfill, avoid sharp or large objects.
Minimum cable cover 400mm.

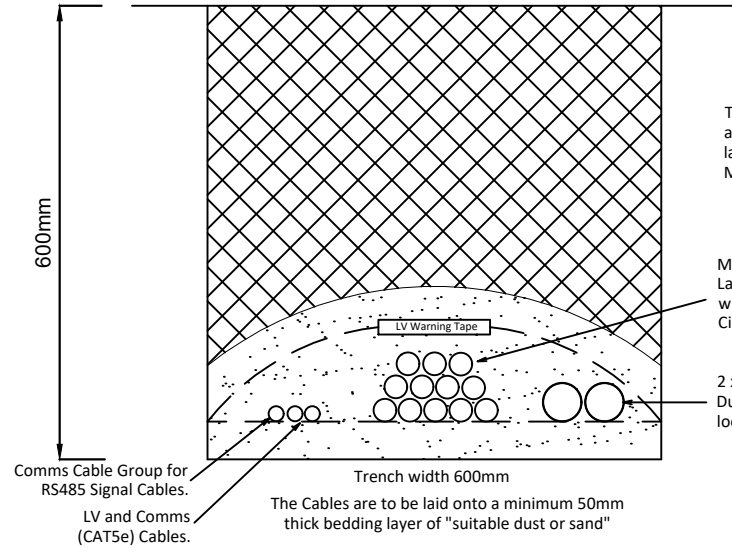


Not For Approval

Notes:
Joint bays can be up to two meters square depending on number and type of cables within the trench.

1:10@A3

DC Trench TRENCH TYPE 3



The original spoil can be used as the backfill, avoid sharp or large objects.
Minimum cable cover 400mm.

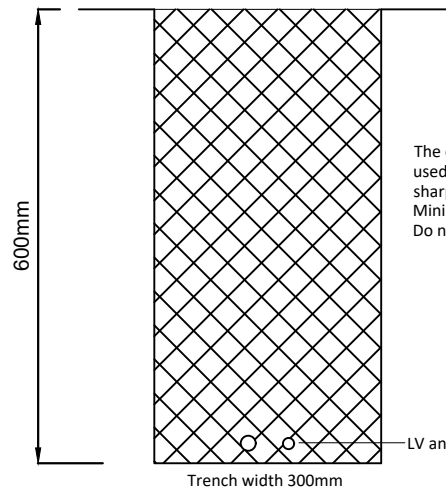
Main Low Voltage DC Cable Layer - Laid in Positive and Negative pairs when using single core cables. Circuit separating not required.

2 x 50/75mm ID Flexible Duct for Low Voltage DC inter loom wiring.

Trench width 600mm
The Cables are to be laid onto a minimum 50mm thick bedding layer of "suitable dust or sand"

1:10@A3

Ducting Trench for Comms Cable TRENCH TYPE 5

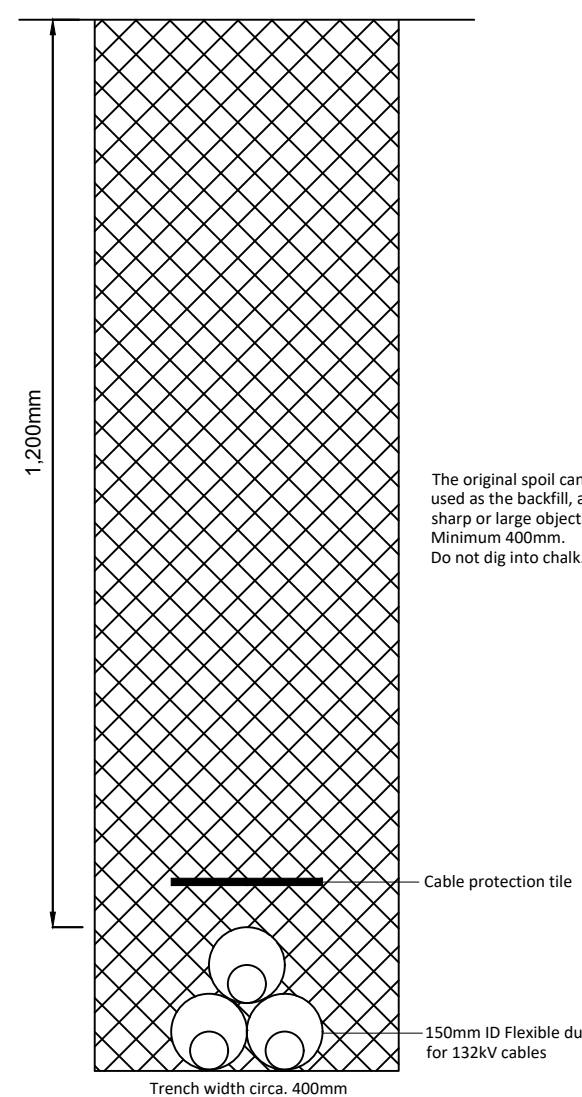


The original spoil can be used as the backfill, avoid sharp or large objects.
Minimum 400mm.
Do not dig into chalk.

Trench width 300mm
LV and CAT5e Cable.

1:10@A3

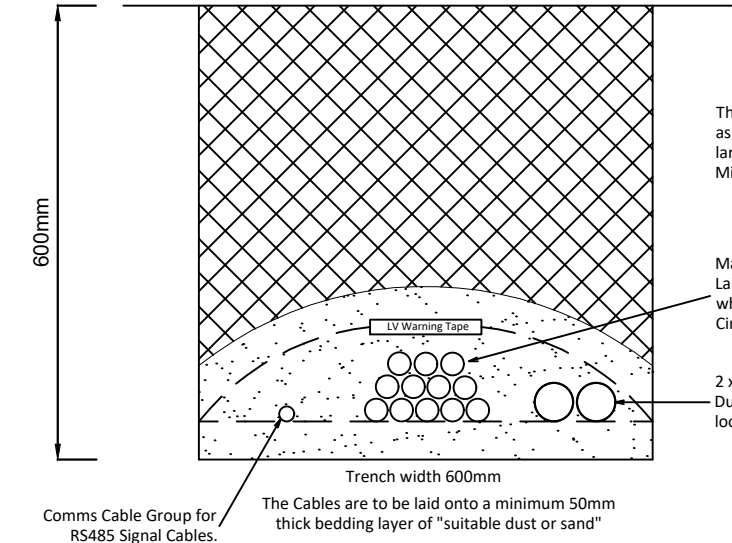
Ducting Trench for Dead Cable TRENCH TYPE 7



The original spoil can be used as the backfill, avoid sharp or large objects.
Minimum 400mm.
Do not dig into chalk.

1:10@A3

DC Trench TRENCH TYPE 4



The original spoil can be used as the backfill, avoid sharp or large objects.
Minimum cable cover 400mm.

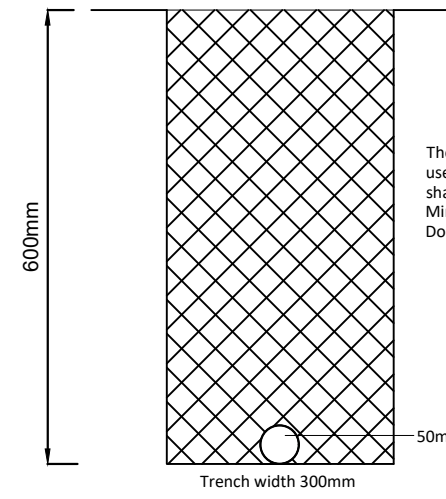
Main Low Voltage DC Cable Layer - Laid in Positive and Negative pairs when using single core cables. Circuit separating not required.

2 x 50/75mm ID Flexible Duct for Low Voltage DC inter loom wiring.

Trench width 600mm
The Cables are to be laid onto a minimum 50mm thick bedding layer of "suitable dust or sand"

1:10@A3

Ducting Trench for Single Cable TRENCH TYPE 6



The original spoil can be used as the backfill, avoid sharp or large objects.
Minimum 400mm.
Do not dig into chalk.

Trench width 300mm
50mm ID Flexible duct.



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Project Name:
Stonestreet Green Solar
Drawing Title:
Illustrative Cable Trench
Detail Plan

Document Reference #:
142-02-18

Scale: Per Viewport@A3 APFP Reg. 5(2)(o)

Produced: RC Checked: Quod Date: June 2024 Version: 01