

## | Plans

**Development of National Significance Pre-Application Consultation**

### **Alaw Môn Solar Farm**

Land west of the B5112, 415m south of Llyn Alaw, 500m east of Llantrisant and 1.5km west of Llannerch-y-Medd, Anglesey

**October 2023**





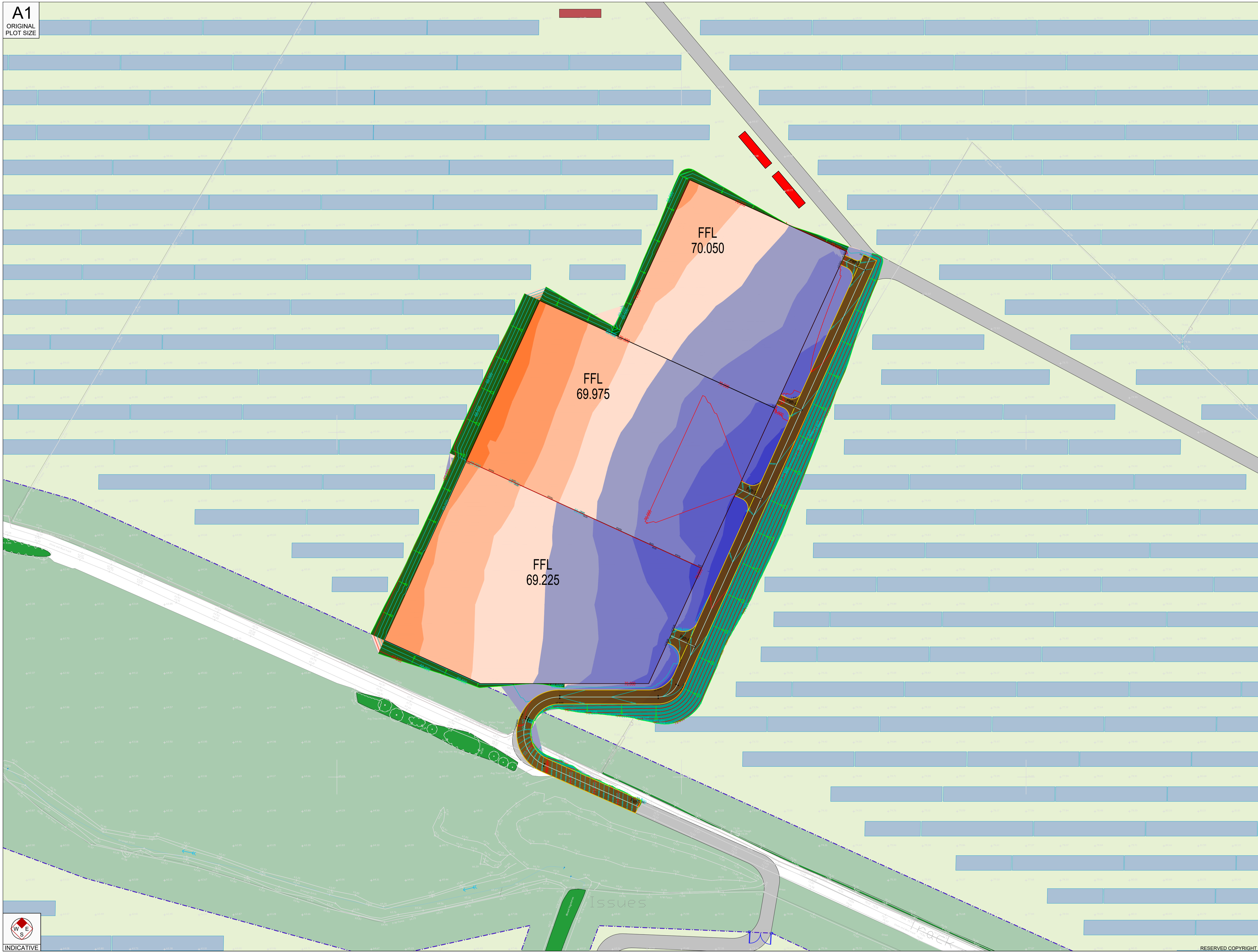
A1  
ORIGINAL  
PLOT SIZE

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LEGEND:

FFL	Finished Floor Level
70.525	Levels
RTWXX	Indicative Retaining Wall Height
Green line	Gradient Extent

Height Bands	Cut Volume	Fill Volume
Fill 2.8m - 3.5m	--	31.01m <sup>3</sup>
Fill 2.1m - 2.8m	--	489.36m <sup>3</sup>
Fill 1.4m - 2.1m	--	1648.89m <sup>3</sup>
Fill 0.7m - 1.4m	--	3437.05m <sup>3</sup>
Fill 0m - 0.7m	--	--
Cut 0m - 0.7m	4311.59m <sup>3</sup>	--
Cut 0.7m - 1.4m	2449.22m <sup>3</sup>	--
Cut 1.4m - 2.1m	992.95m <sup>3</sup>	--
Cut 2.1m - 2.8m	305.74m <sup>3</sup>	--
Cut 2.8m - 3.5m	23.86m <sup>3</sup>	--
Cut 3.5m - 4.2m	--	--
<b>Total Cut:</b>	<b>8073.36m<sup>3</sup></b>	
<b>Total Fill:</b>	<b>5606.29m<sup>3</sup></b>	



Rev	Date	Desc	Drawn	Checked	Approved
C	18.10.20	Updated to suit site layout	NR	RC	RR
B	24.02.22	Update to show gradient instead of retaining walls	NR	RC	RR
A	14.02.22	Updated to reduce retaining wall height	NR	RC	RR

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Transport Planning Associates  
 The Stables  
 7 Chesterton Mill  
 French's Road  
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 01223 453355  
 www.tpa.uk.com

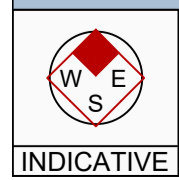
CLIENT:  
**WYLFA GREEN LIMITED**

PROJECT:  
**Alaw Mon Solar Farm**

TITLE:  
**Preliminary Cut & Fill Assessment Layout**

STATUS:  
**FEASIBILITY**

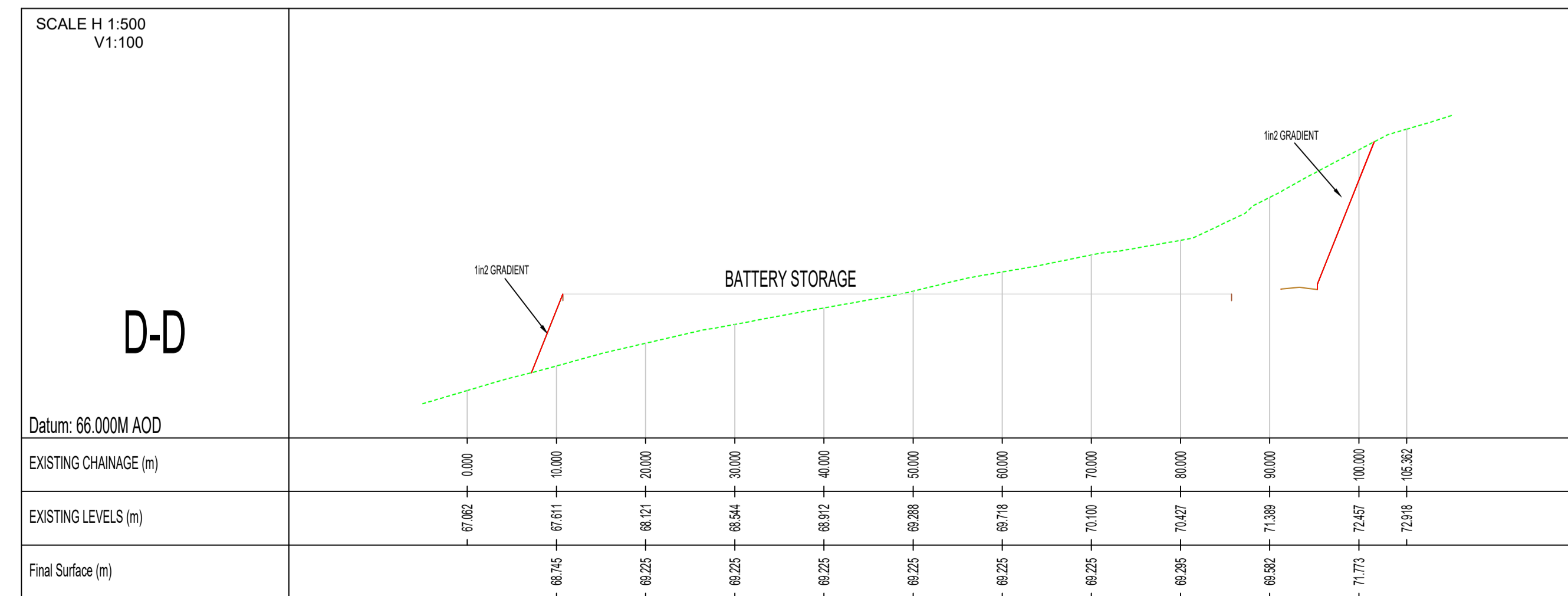
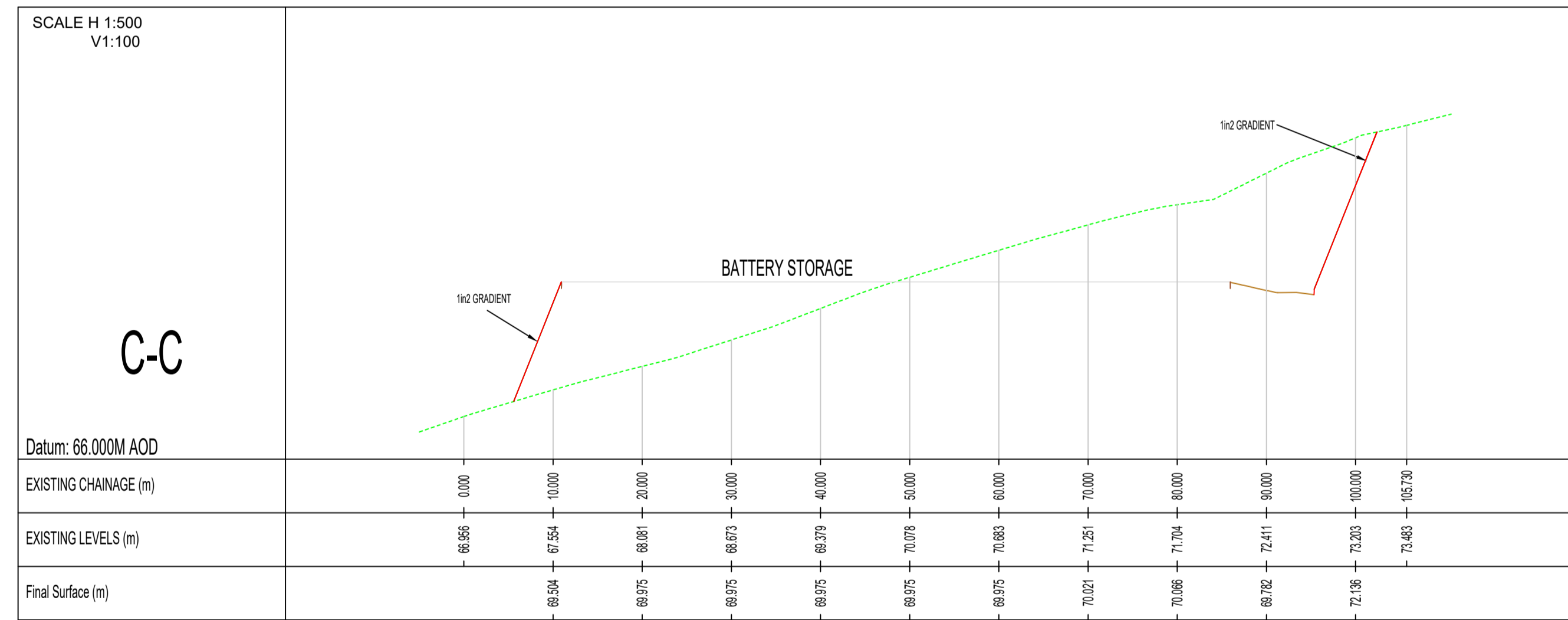
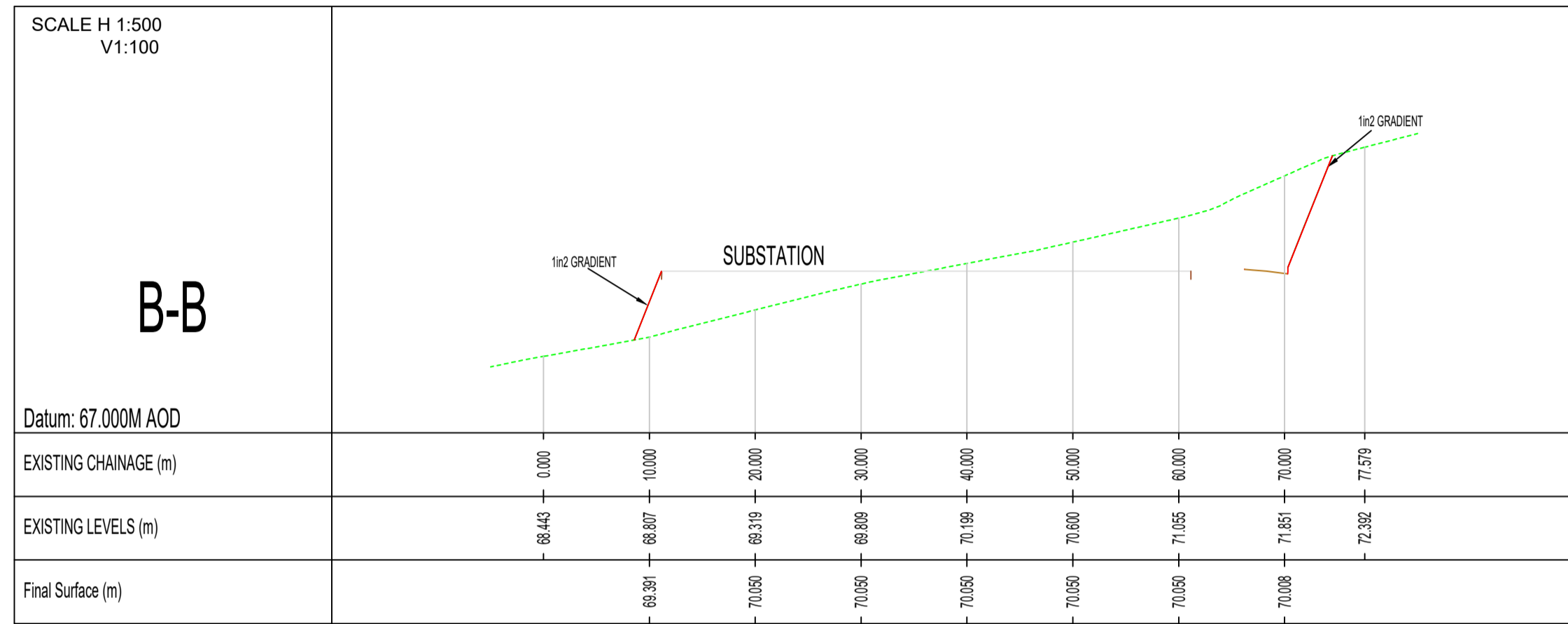
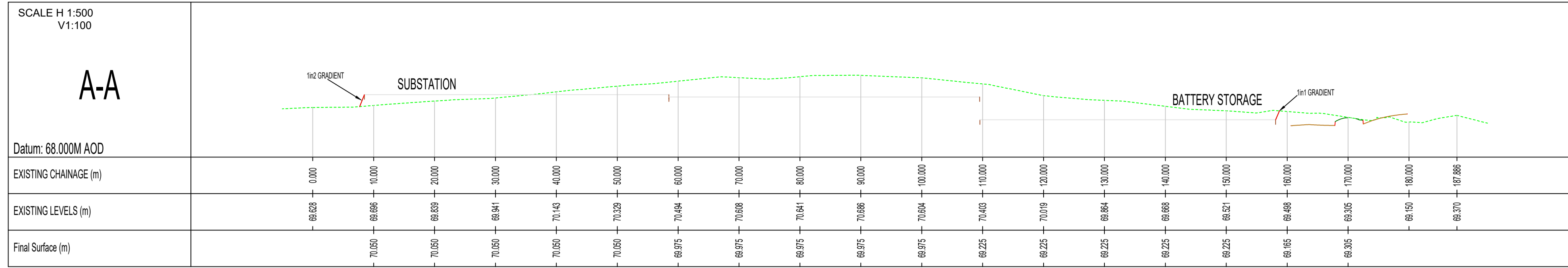
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1:500	19.08.21	NR	RR	JD
JOB NO:	DRAWING NO:	REVISION:		
2010-026	PL02	C		



INDICATIVE

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C	18.10.23	Updated to suit site layout	NR	RC	RR
B	24.02.22	Update to show gradient instead of retaining walls	BR	RC	RR
A	14.02.22	Updated to reduce retaining wall height	NR	RC	RR

Rev Date Desc Drawn By Checked By Approved By

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**tpa**  
Transport Planning Associates

The Stables  
7 Chesterton Mill  
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01223 455355  
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CLIENT:  
**WYLFA GREEN LIMITED**

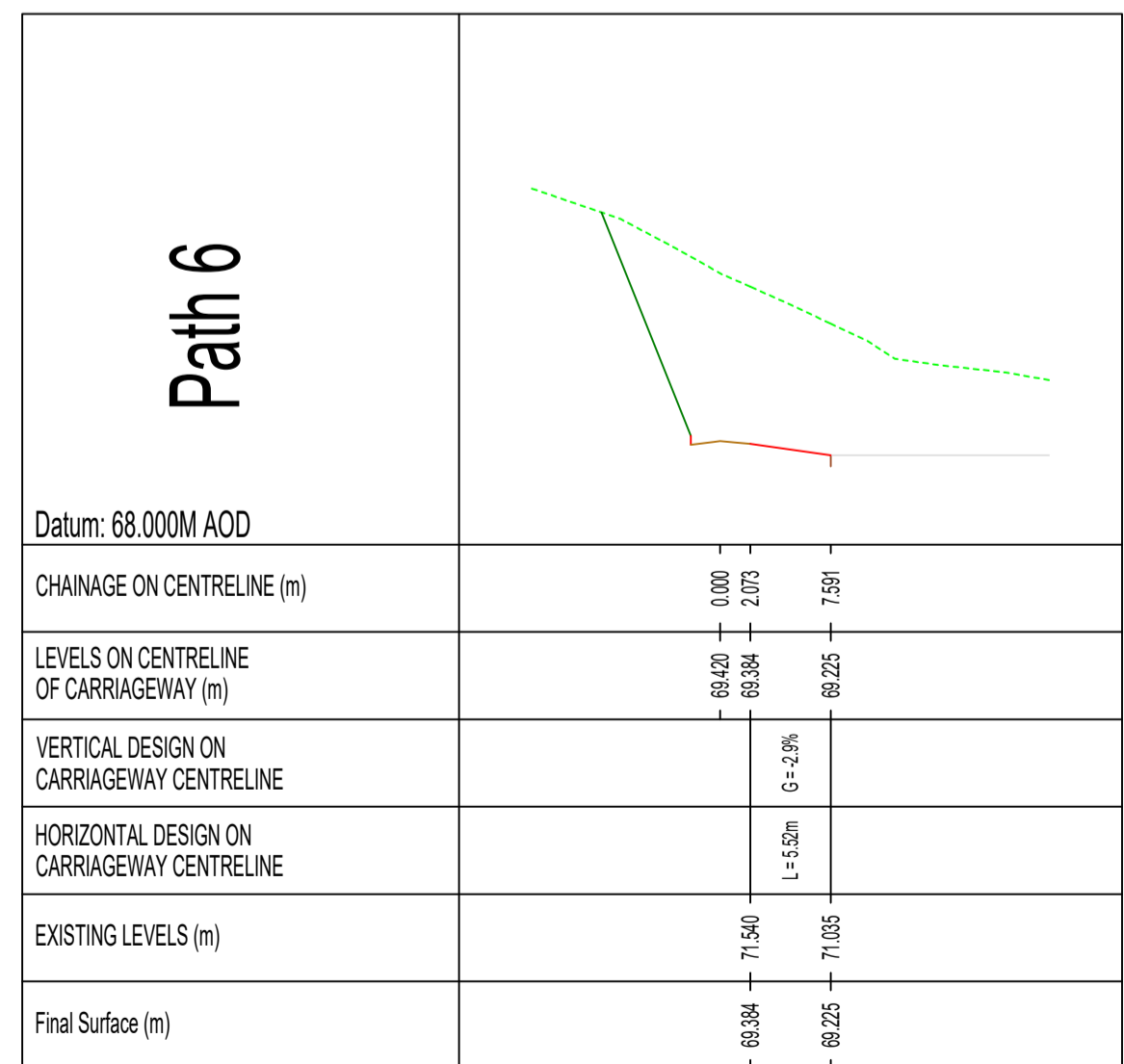
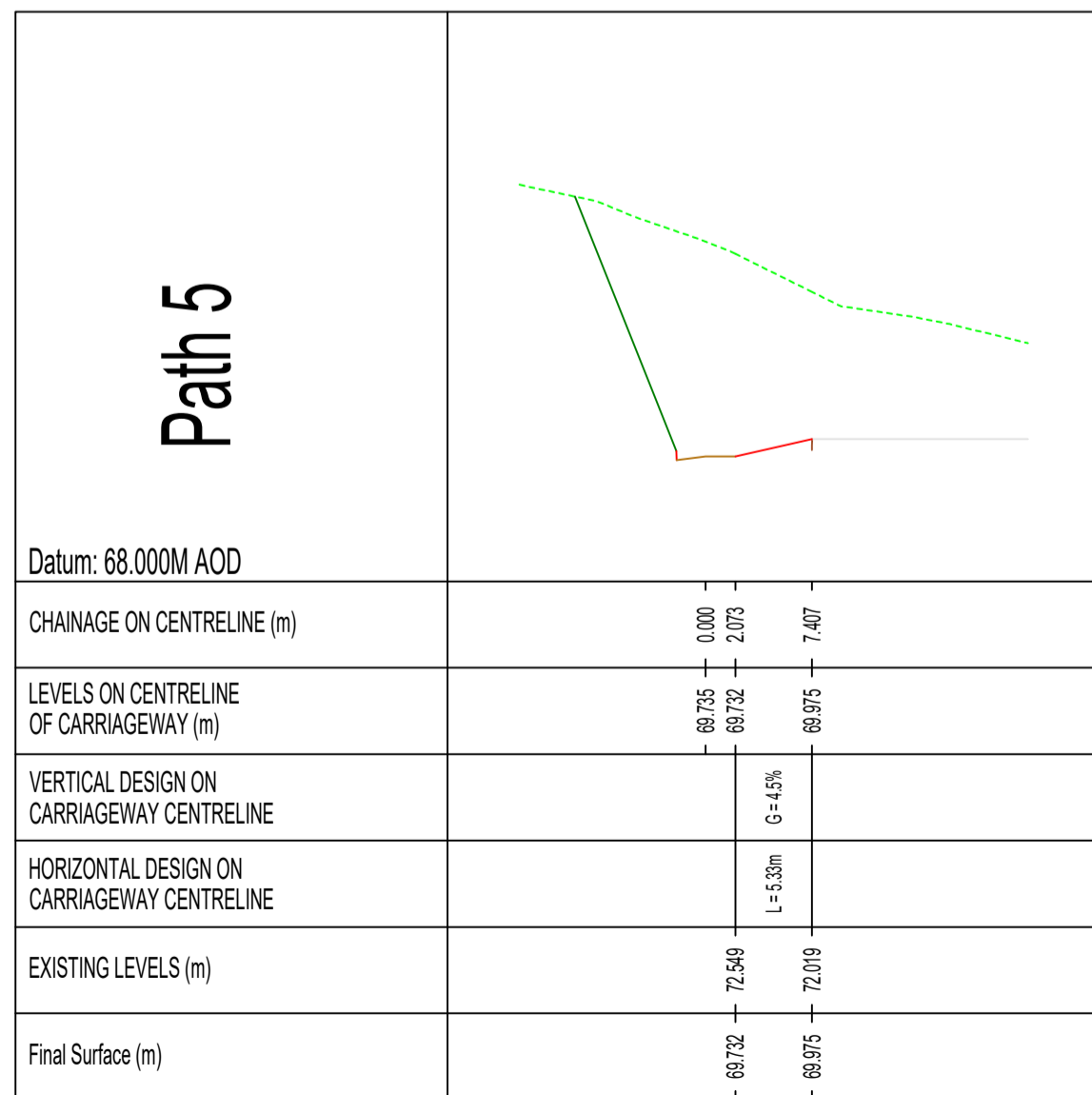
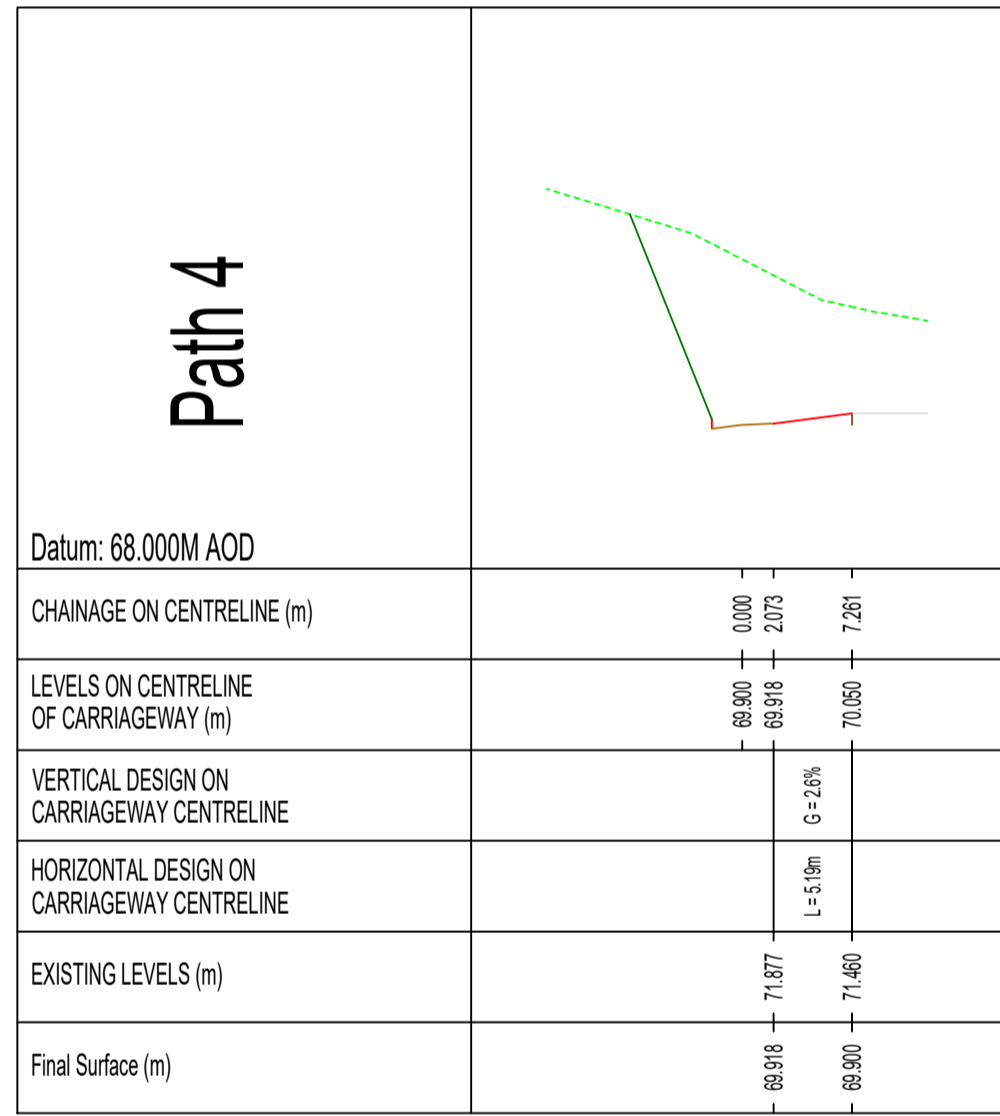
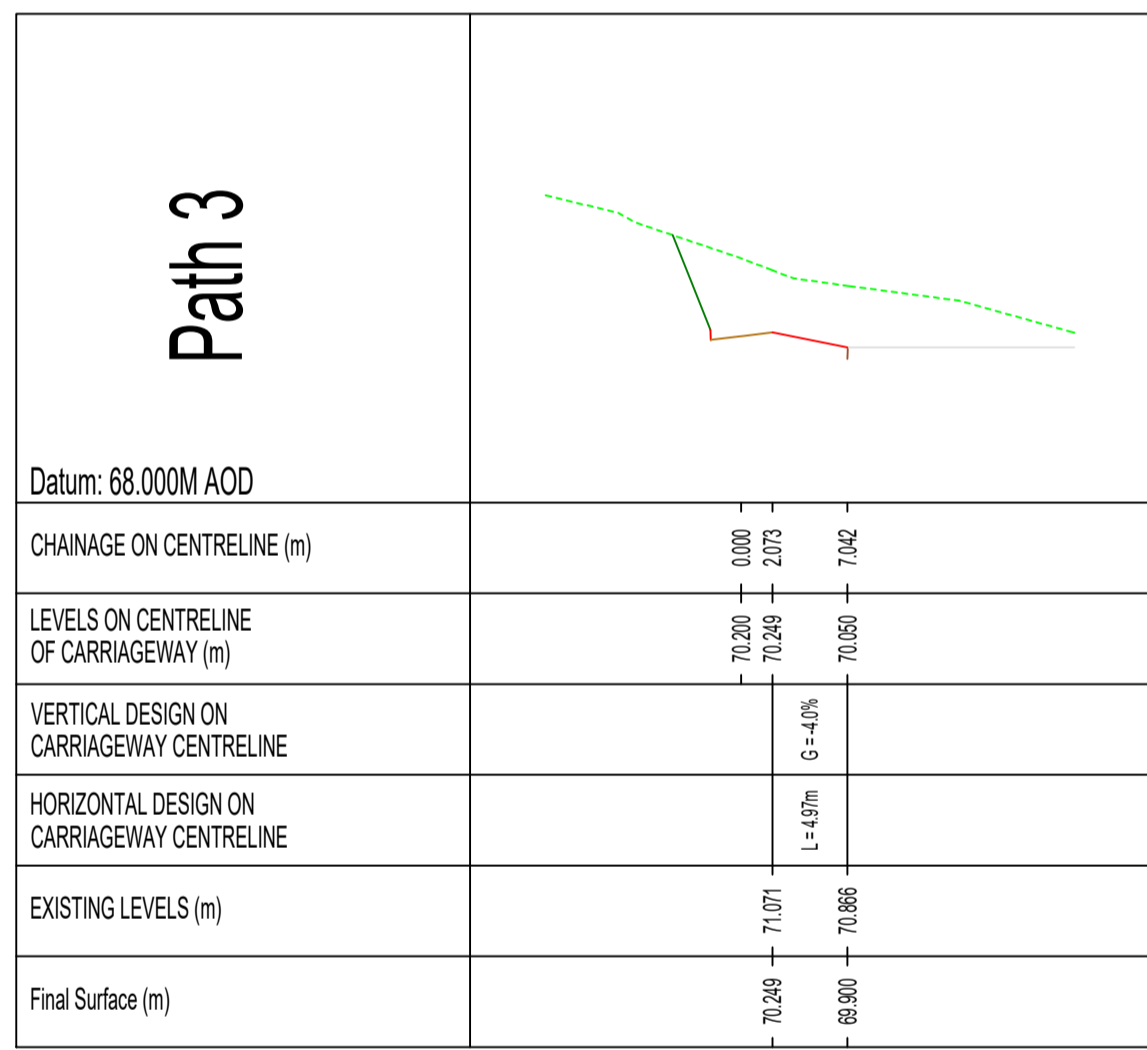
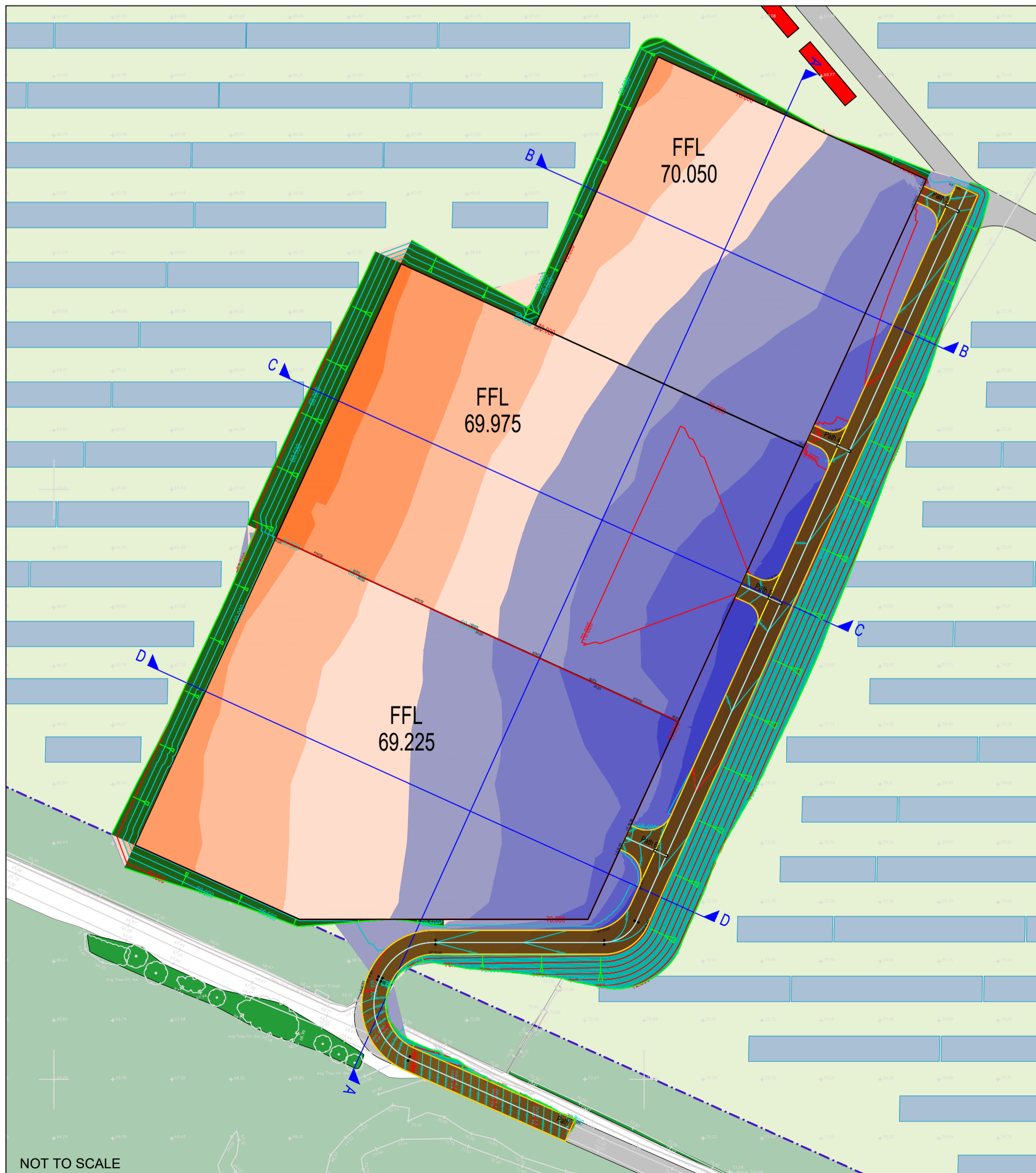
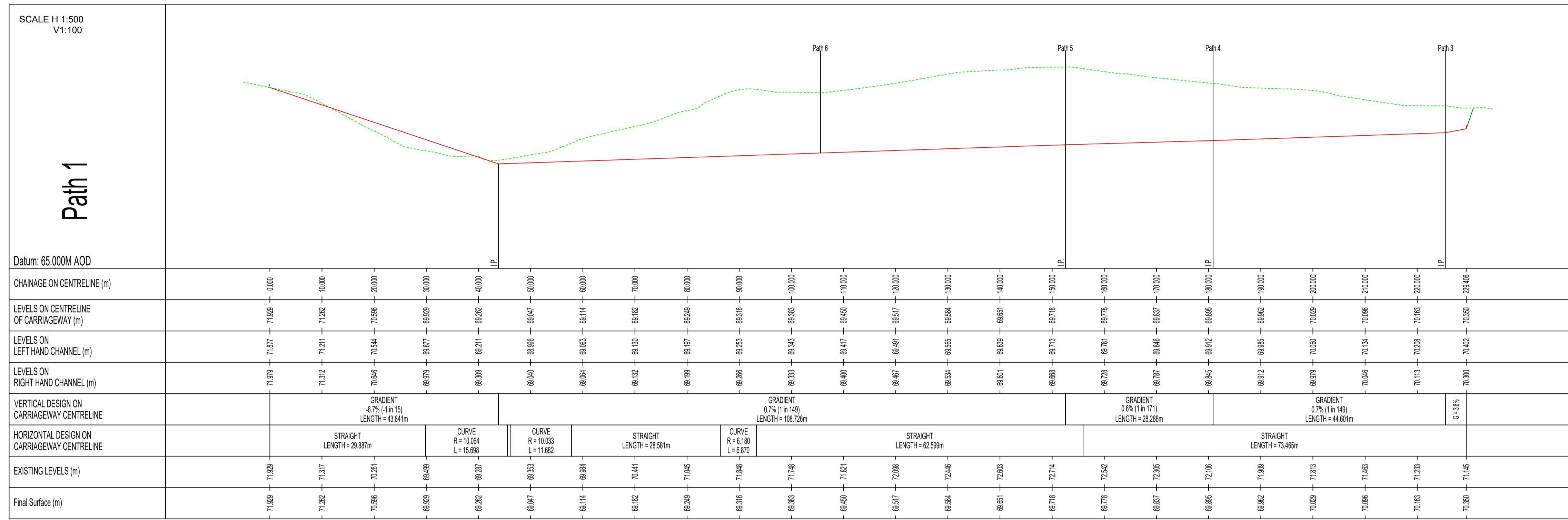
PROJECT:  
**Alaw Mon Solar Farm**

TITLE:  
**Preliminary Cut & Fill Cross Sections**

STATUS:  
**FEASIBILITY**

SCALE:	DATE:	DRAWN:	CHECKED:	APPROVED:
As Shown	19.08.21	NR	RR	JD
JOB NO:	DRAWING NO:	REVISION:		
2010-026	PL03	C		





SCALE H 1:500  
V1:100

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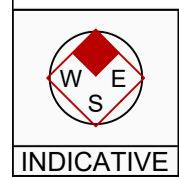
CLIENT:  
**WYLFA GREEN LIMITED**

PROJECT:  
**Alaw Mon Solar Farm**

TITLE:  
**Proposed Access Path Longitudinal Sections**

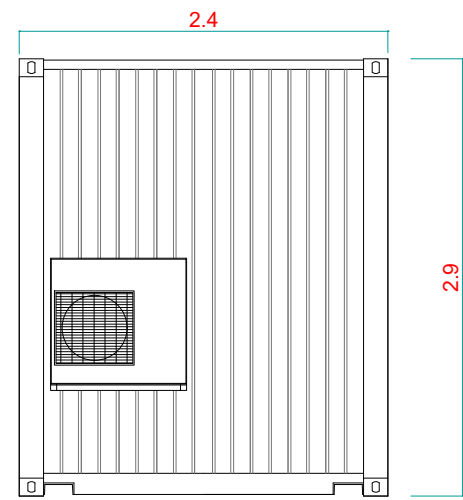
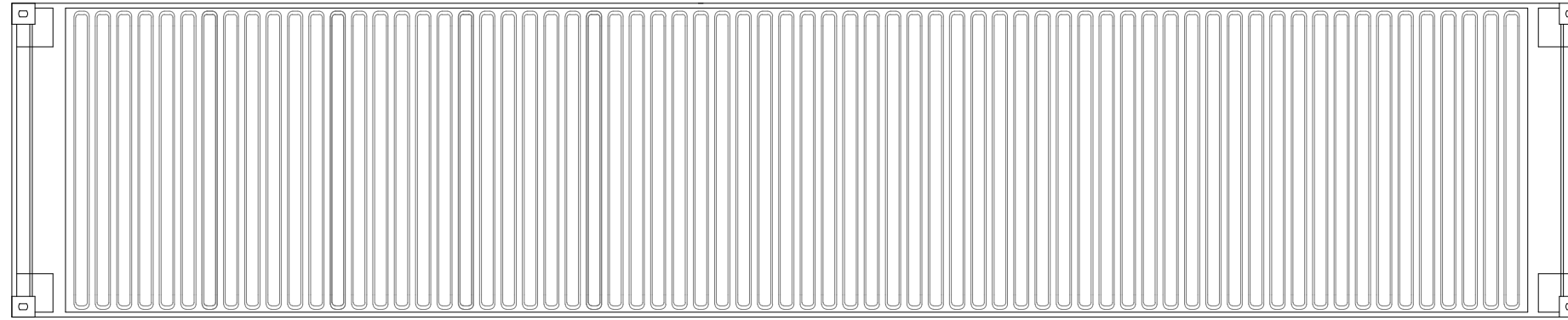
STATUS:  
**FEASIBILITY**

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2010-026	PL04	-		

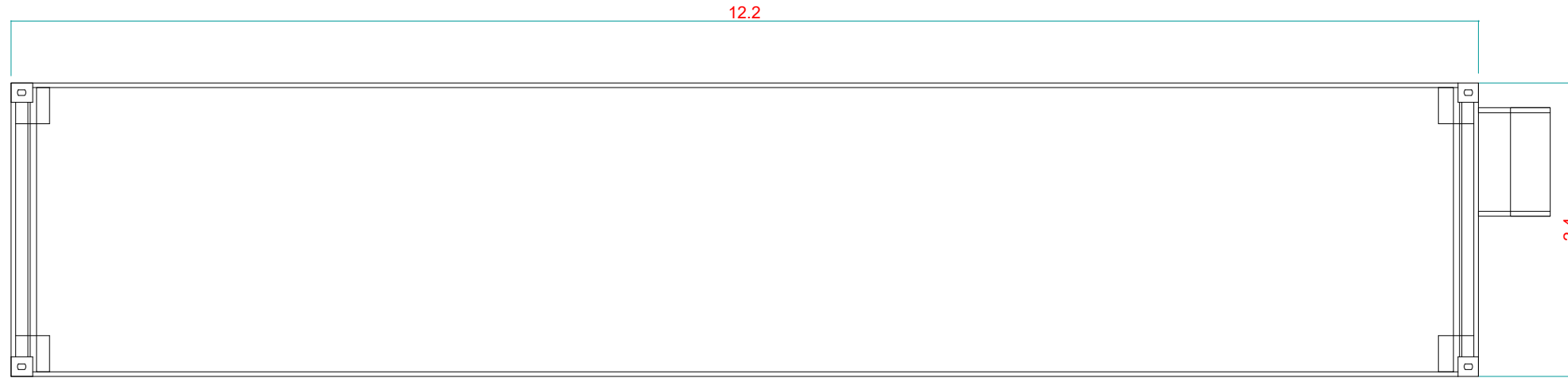


INDICATIVE

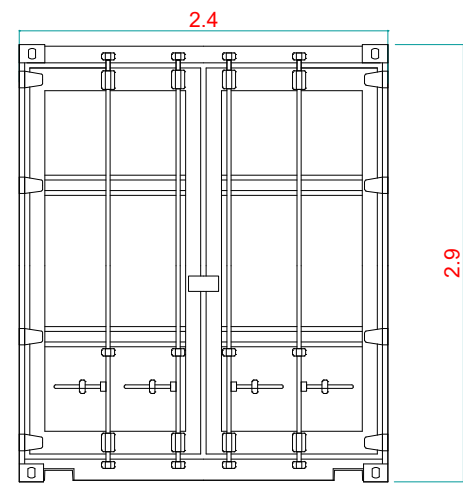
### Roof Plan



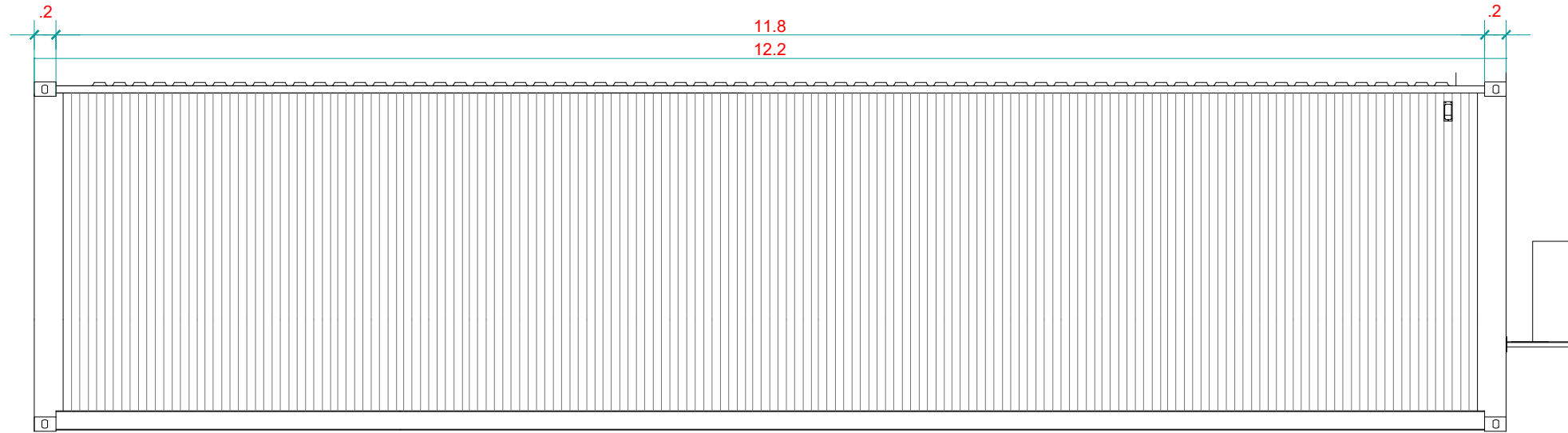
Rear Elevation



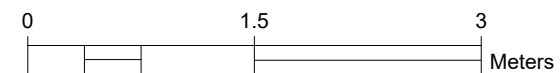
Floor Plan



Front Elevation



Side Elevation



#### GENERAL NOTES

- 1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.
- 2) INVERTER STATIONS TO BE PAINTED RAL6005

#### LEGEND

#### REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME :  
**ALAW MÔN  
 SOLAR PV AND BATTERY**

OWNER'S ENGINEER :  
 \_\_\_\_\_

GENERAL CONTRACTOR :  
 \_\_\_\_\_

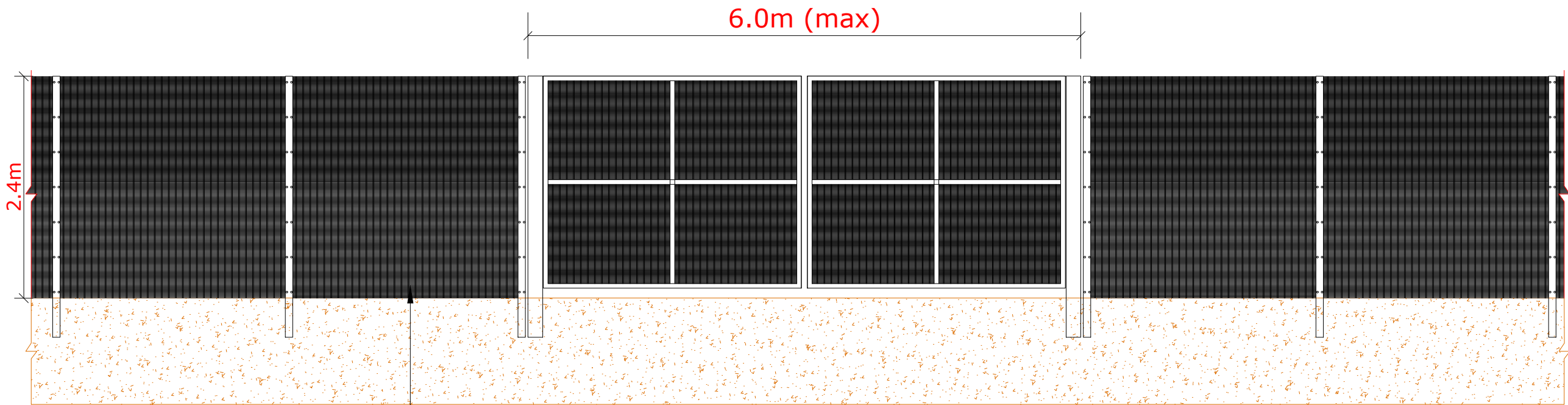


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DRAWN BY : GM  
 DATE : 28-07-2021  
 CHECKED BY :  
 DATE :  
 APPROVED BY :  
 DATE :  
 DRAWING No. : AM12.0

SIGN TITLE :  
**Battery Container Elevations  
 40ft**

SHEET SIZE	SHEET	SCALE	REV
A3	1 OF 1	1:50	01



Welded steel wire mesh (SR2)

**GENERAL NOTES**

- 1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.
- 2) COLOUR OF THE FENCE WILL BE GREEN

**LEGEND**

**REFERENCE DRAWINGS**

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

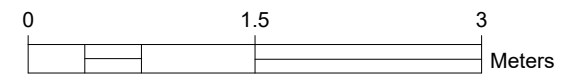
PROJECT NAME :  
**ALAW MÔN  
SOLAR PV AND BATTERY**

OWNER'S ENGINEER :  
  
GENERAL CONTRACTOR :

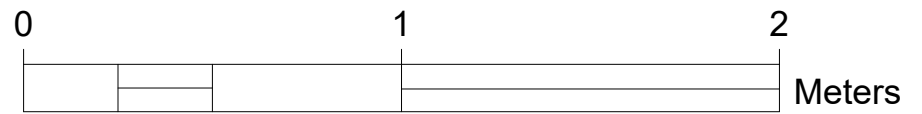
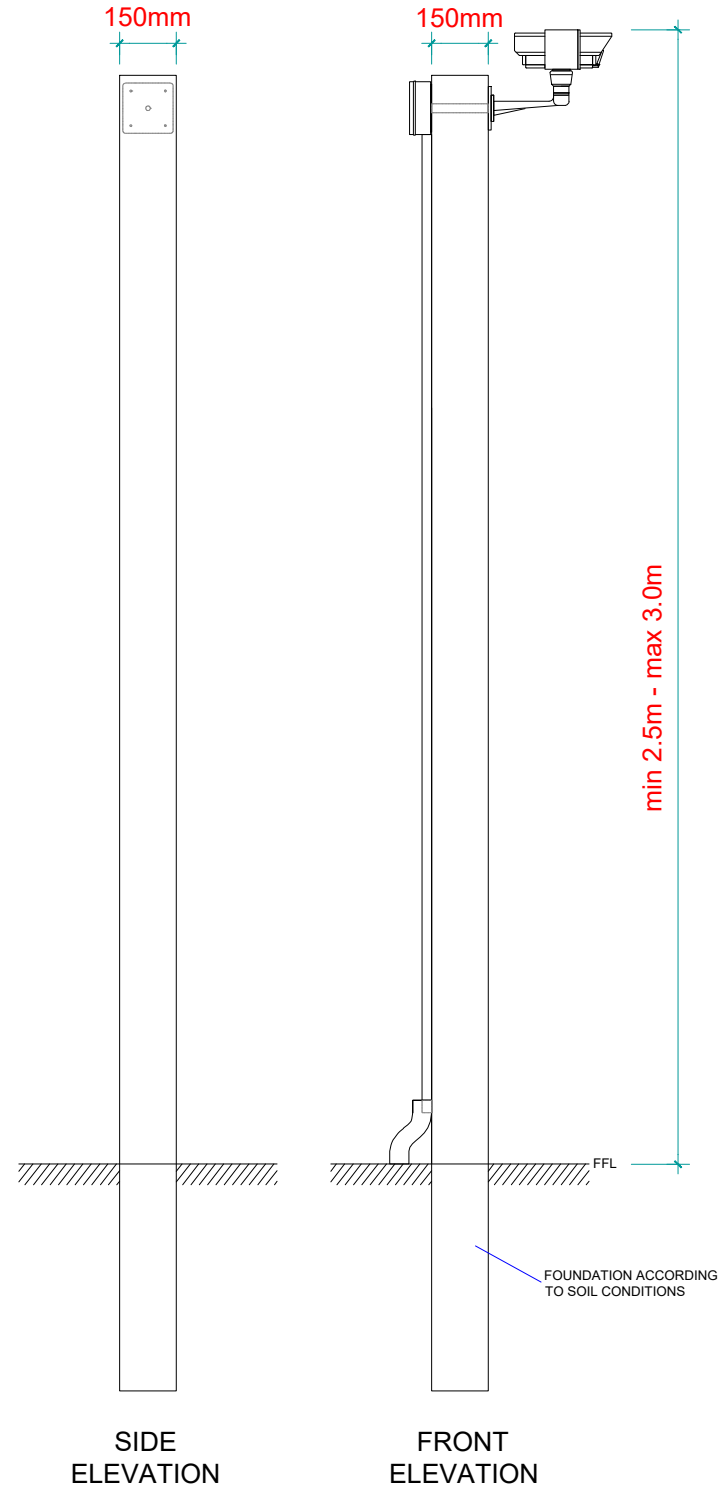


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DRAWN BY : CM	SIGN :	TITLE :
DATE : 26-07-2021		
CHECKED BY :		<b>Battery Fence And Gate Elevations</b>
DATE :		
APPROVED BY :		
DATE :		
DRAWING No. : AM14.0		



SHEET SIZE <b>A3</b>	SHEET <b>1 OF 1</b>	SCALE <b>1:50</b>	REV <b>01</b>
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**GENERAL NOTES**

**LEGEND**

**REFERENCE DRAWINGS**

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME :  
**ALAW MÔN  
SOLAR PV AND BATTERY**

OWNER'S ENGINEER :  
  
GENERAL CONTRACTOR :

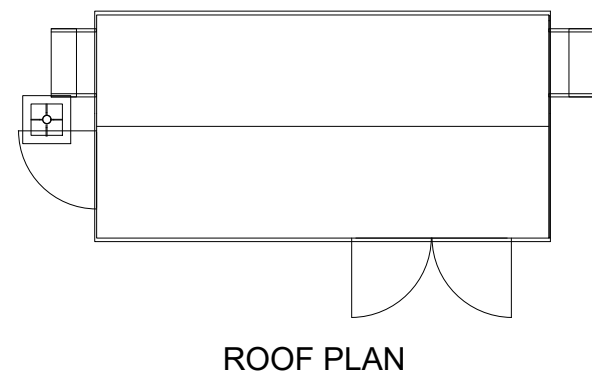
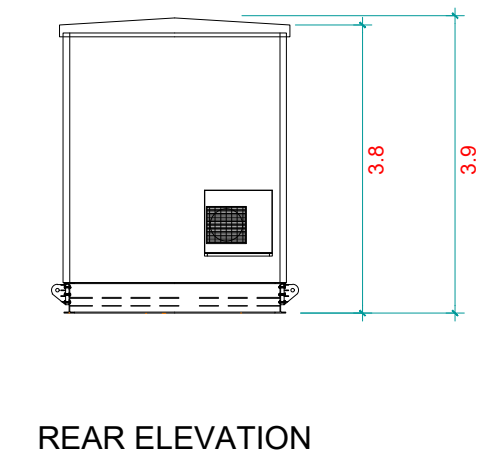
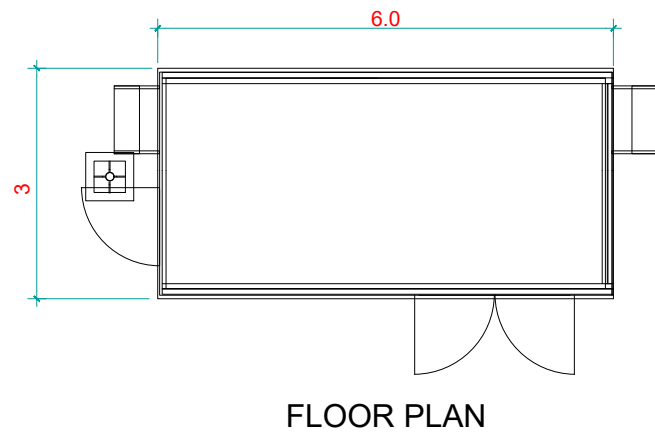
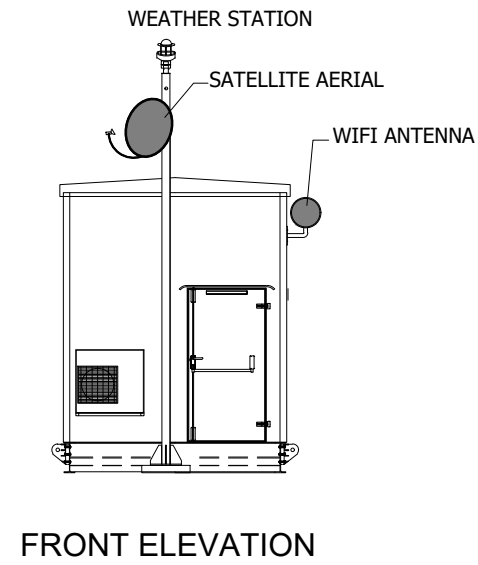
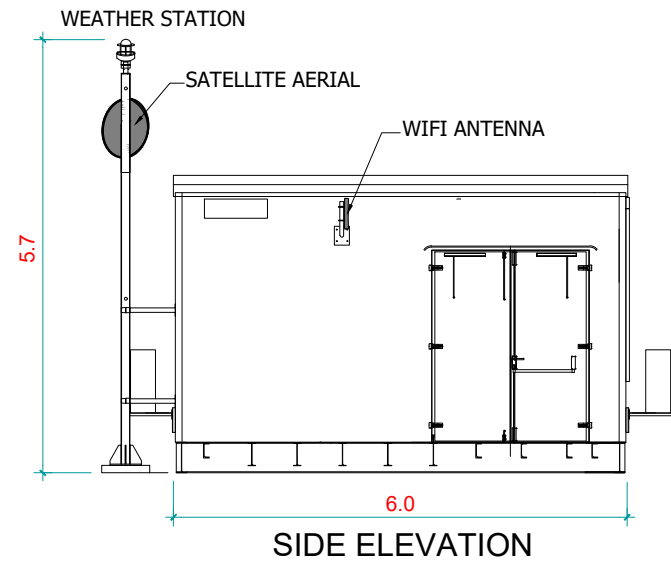


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DATE : 28-07-2021		
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DATE :		
APPROVED BY :		
DATE :		
DRAWING No. : AM11.0		

**CCTV ELEVATIONS**

SHEET SIZE : A3	SHEET : 1 OF 1	SCALE : 1:50	REV : 01
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**GENERAL NOTES**

1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.

**LEGEND**

**REFERENCE DRAWINGS**

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME :  
**ALAW MÔN**  
**SOLAR PV AND BATTERY**

OWNER'S ENGINEER :

GENERAL CONTRACTOR :

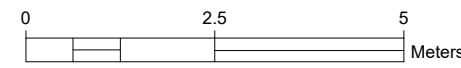


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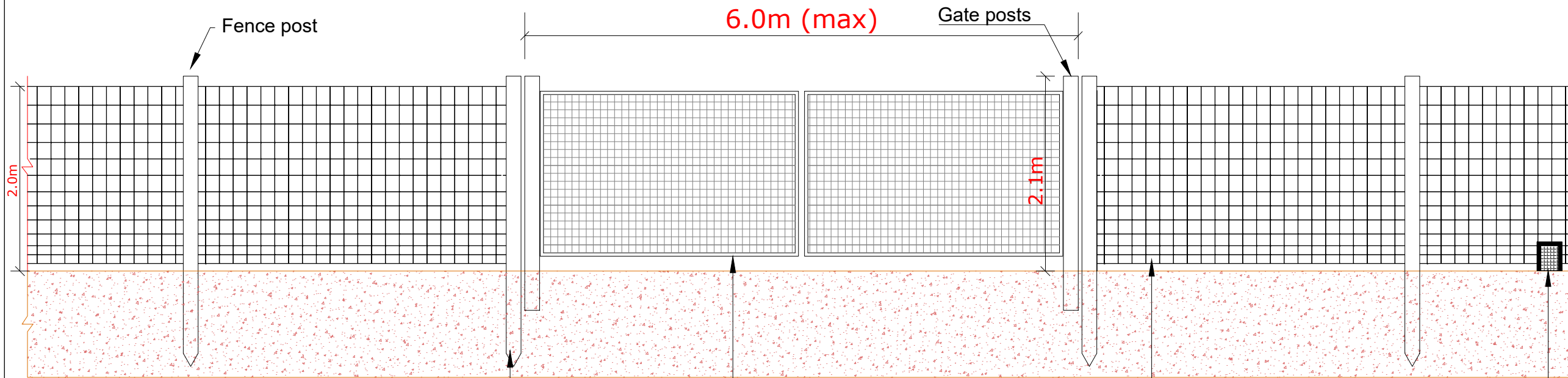
DRAWN BY :	DATE :	SIGN :	TITLE :
GM	28-07-2021		
CHECKED BY :	DATE :		
APPROVED BY :	DATE :		

**CONTROL ROOM ELEVATIONS**

DRAWING No.:	AM9.0
SHEET SIZE	A3
SHEET	1 OF 1
SCALE	1:100
REV	01







Wooden  
pressure treated  
Tanalised posts

Galvanised  
steel gate

High-tensile, galvanised steel,  
plain wire deer fence, 2m height.

Badger/Fox/Small Mammal  
gates fitted at appropriate points  
to enable free access if required.

**GENERAL NOTES**

- 1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.
- 2) DISTANCES BETWEEN FENCE POSTS WILL VARY.

**LEGEND**

**REFERENCE DRAWINGS**

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME :  
**ALAW MÔN  
SOLAR PV AND BATTERY**

OWNER'S ENGINEER :

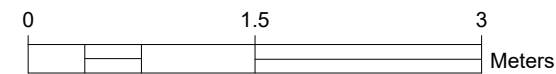
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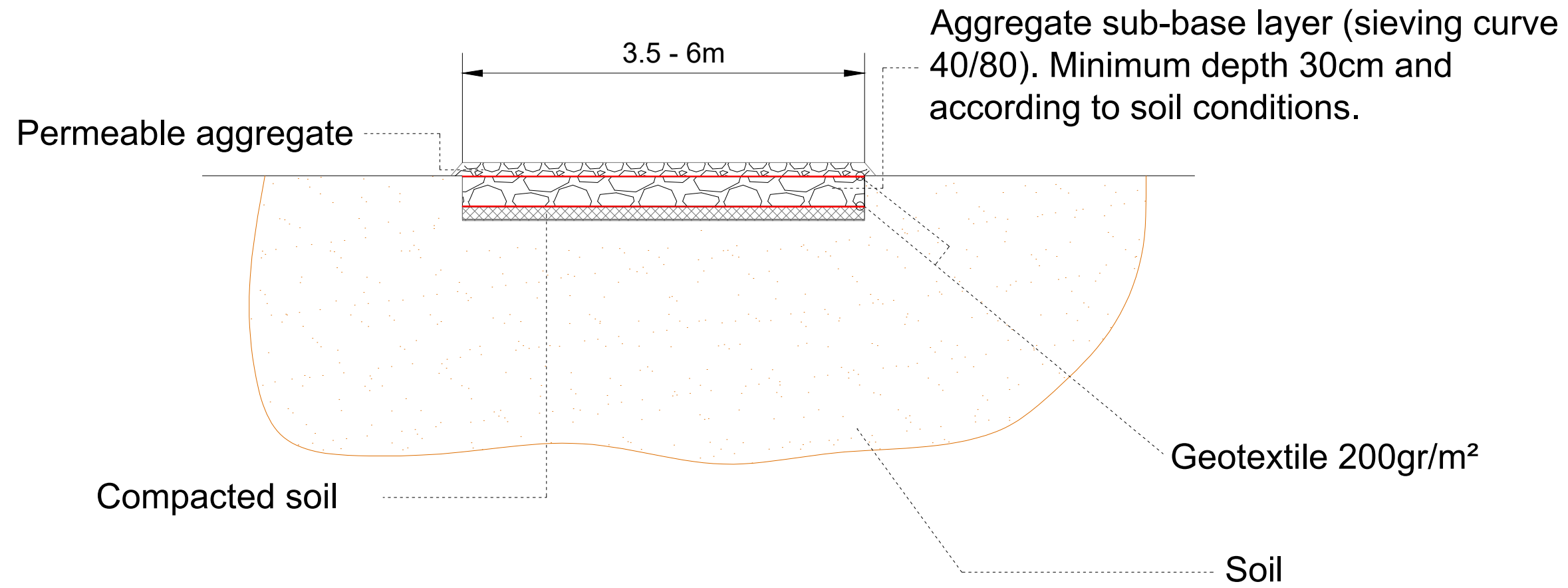


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DATE : 26-07-2011		
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DATE :		
APPROVED BY :		
DATE :		
DRAWING No. : AM6.0		

SHEET SIZE <b>A3</b>	SHEET <b>1 OF 1</b>	SCALE <b>1:50</b>	REV <b>01</b>
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**GENERAL NOTES**

1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.

**LEGEND**

**REFERENCE DRAWINGS**

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME :  
**ALAW MÔN  
SOLAR PV AND BATTERY**

OWNER'S ENGINEER :

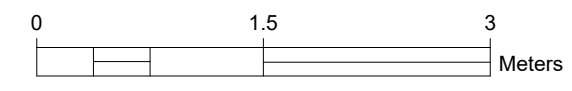
GENERAL CONTRACTOR :



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DATE :					
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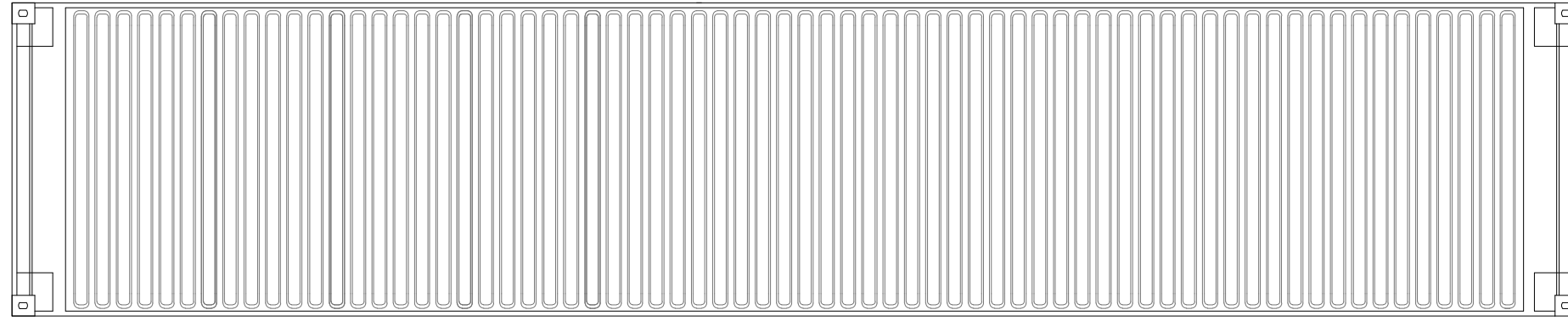
**INTERNAL ACCESS ROAD  
DETAIL**



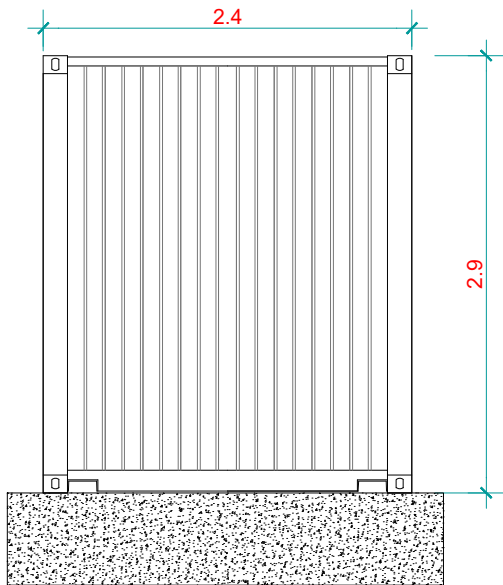
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A3	1 OF 1	1:50	01



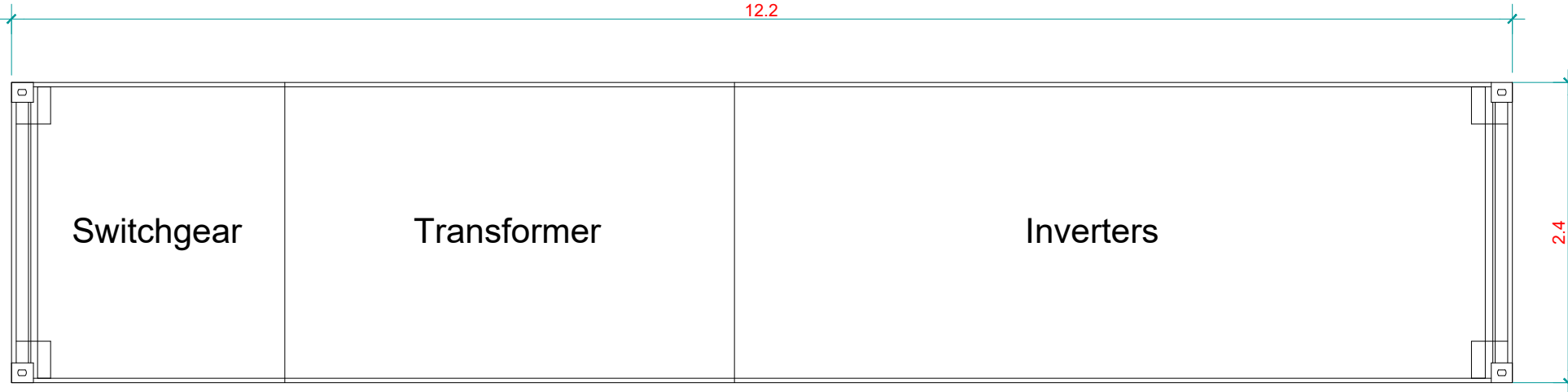
Roof Plan



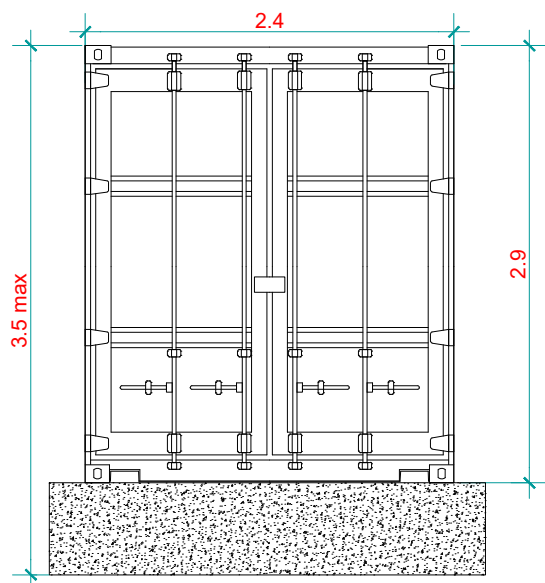
Rear Elevation



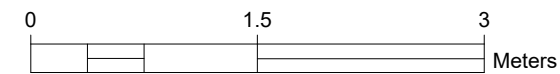
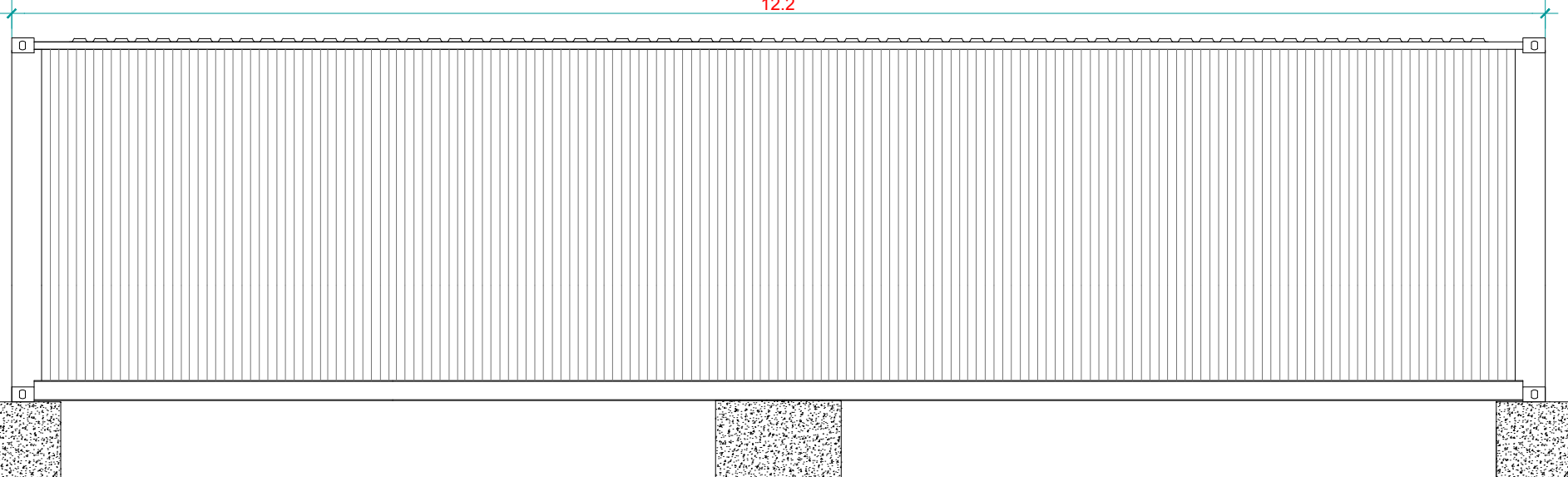
Floor Plan



Front Elevation



Side Elevation



GENERAL NOTES

- 1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.
- 2) INVERTER STATIONS TO BE PAINTED RAL6005
- 3) FOUNDATIONS SHOWN INDICATIVELY ONLY. DIMENSIONS TO BE CONFIRMED BASED ON SITE CONDITIONS.

LEGEND

REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME :  
**ALAW MÔN  
SOLAR PV AND BATTERY**

OWNER'S ENGINEER :

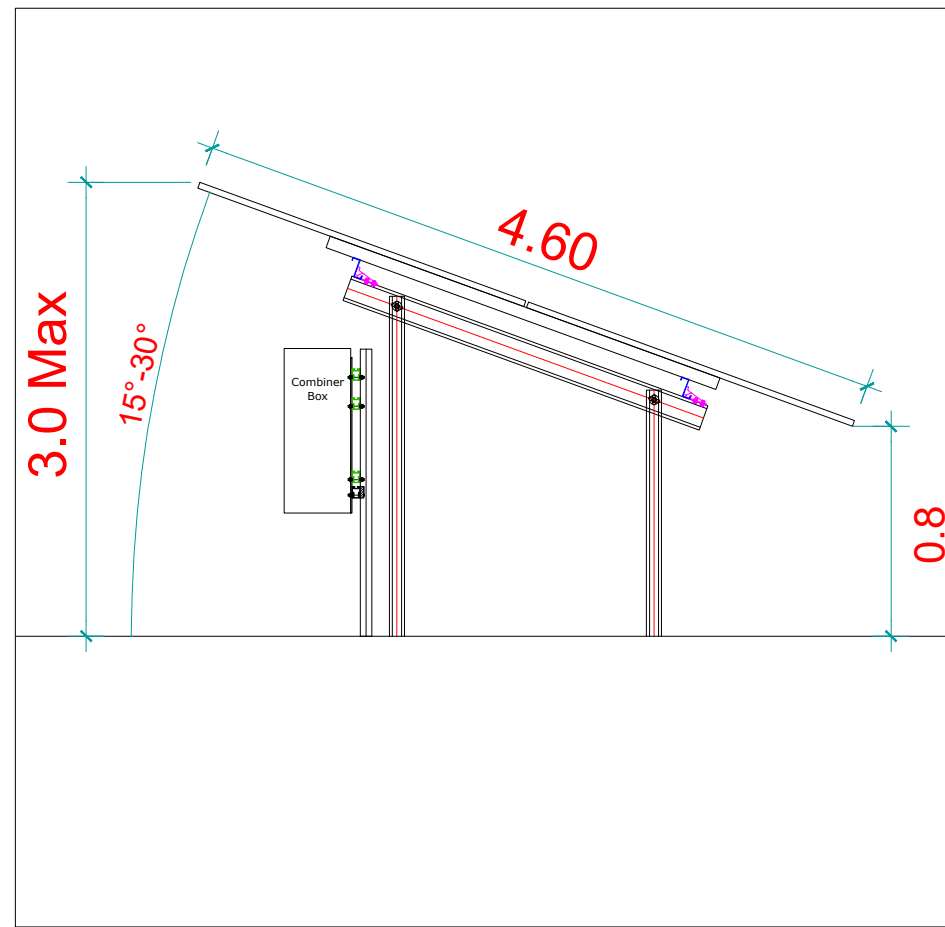
GENERAL CONTRACTOR :



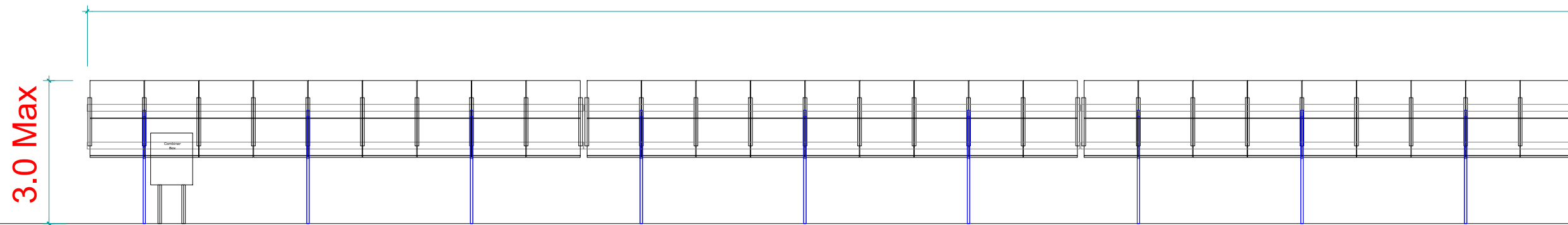
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 DATE :  
 APPROVED BY :  
 DATE :  
 DRAWING No. : AM4.0

SHEET SIZE	SHEET	SCALE	REV
A3	1 OF 1	1:50	01



SIDE ELEVATION (Scale 1:50)



**GENERAL NOTES**

- 1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.
- 2) FINAL DIMENSIONS MAY VARY DEPENDING ON MODULE TYPE

**LEGEND**

**REFERENCE DRAWINGS**

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME : **ALAW MÔN SOLAR PV AND BATTERY**

OWNER'S ENGINEER :

GENERAL CONTRACTOR :

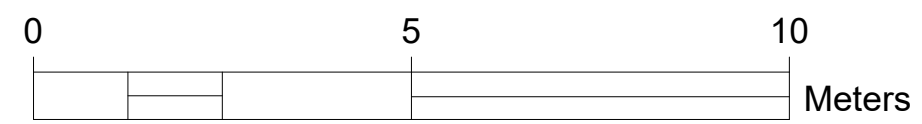


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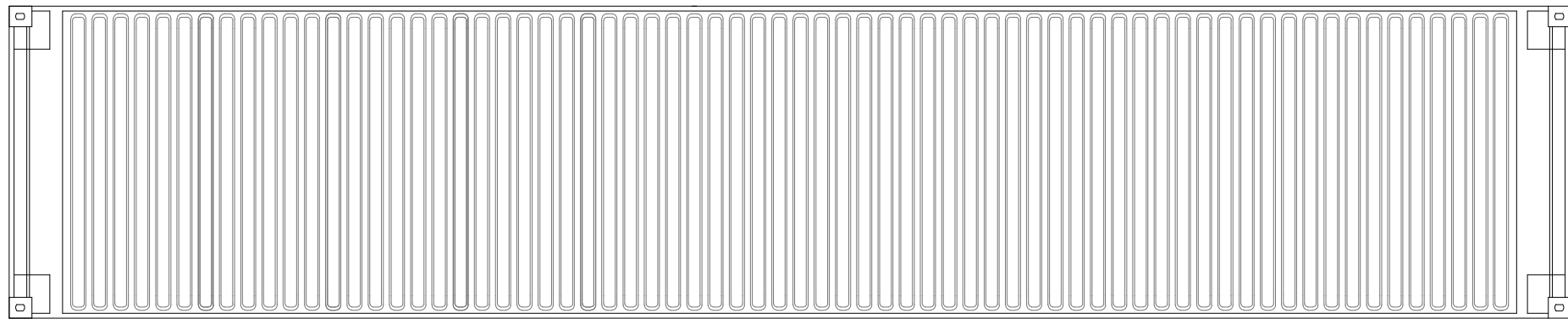
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 CHECKED BY :  
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 APPROVED BY :  
 DATE :  
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**PV Elevations**

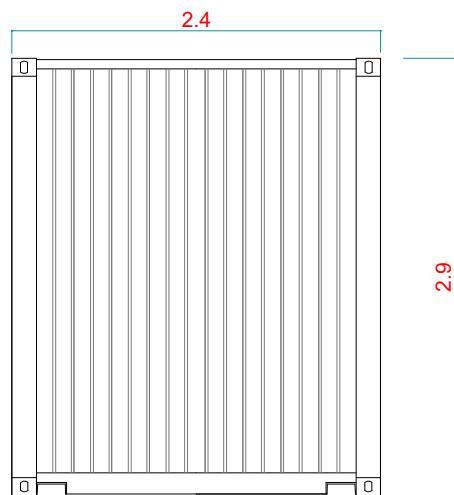
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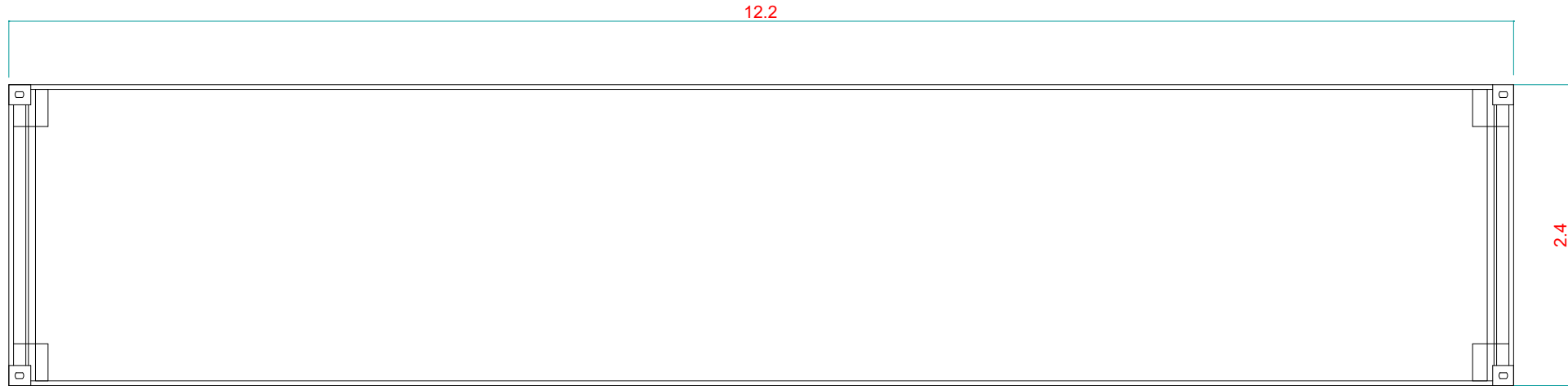




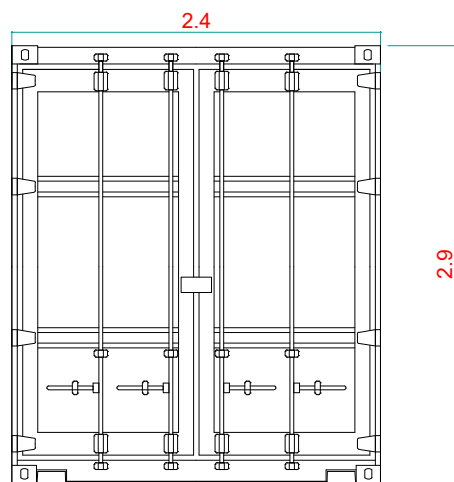
Roof Plan



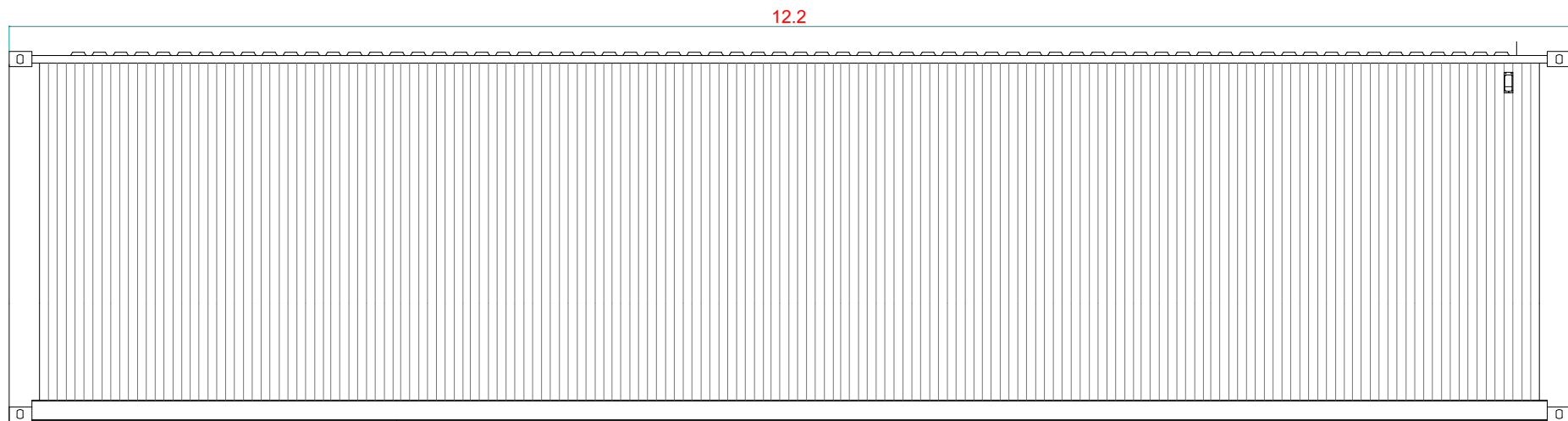
Rear Elevation



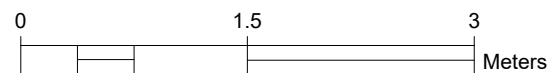
Floor Plan



Front Elevation



Side Elevation



GENERAL NOTES

- 1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.
- 2) CONTAINERS TO BE PAINTED RAL6005

LEGEND

REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME :  
**ALAW MÔN  
SOLAR PV AND BATTERY**

OWNER'S ENGINEER :

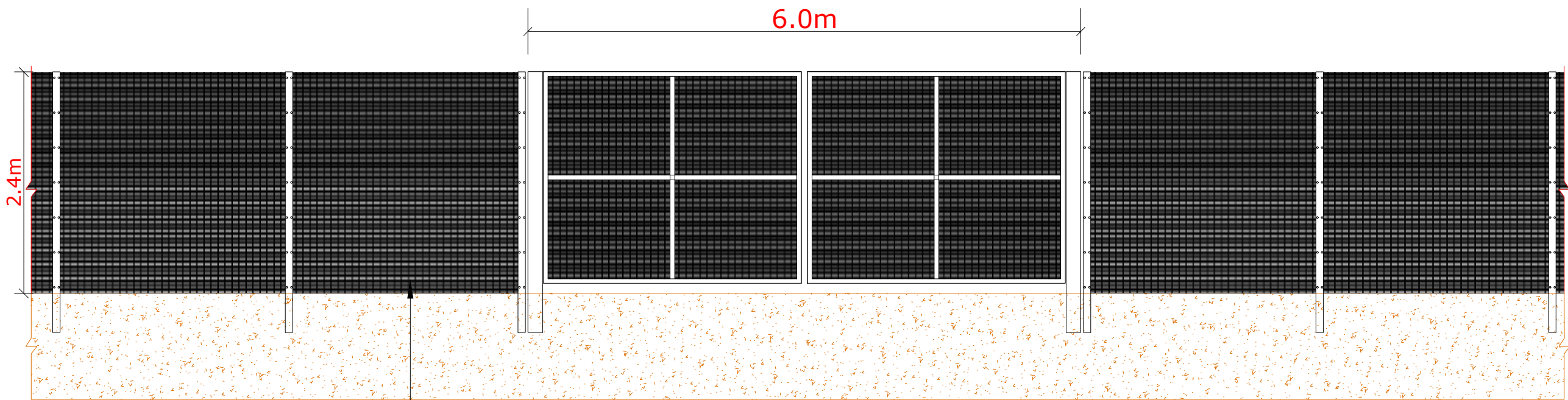
GENERAL CONTRACTOR :



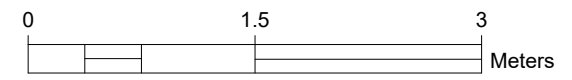
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DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	SIGN	TITLE
GM	28-07-2021						

DRAWING No.:	SHEET SIZE	SHEET	SCALE	REV
AM13.0	A3	1 OF 1	1:50	01



Welded steel wire mesh (SR2)



**GENERAL NOTES**

1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.

**LEGEND**

**REFERENCE DRAWINGS**

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME : **ALAW MÔN  
SOLAR PV AND BATTERY**

OWNER'S ENGINEER :  
  
GENERAL CONTRACTOR :

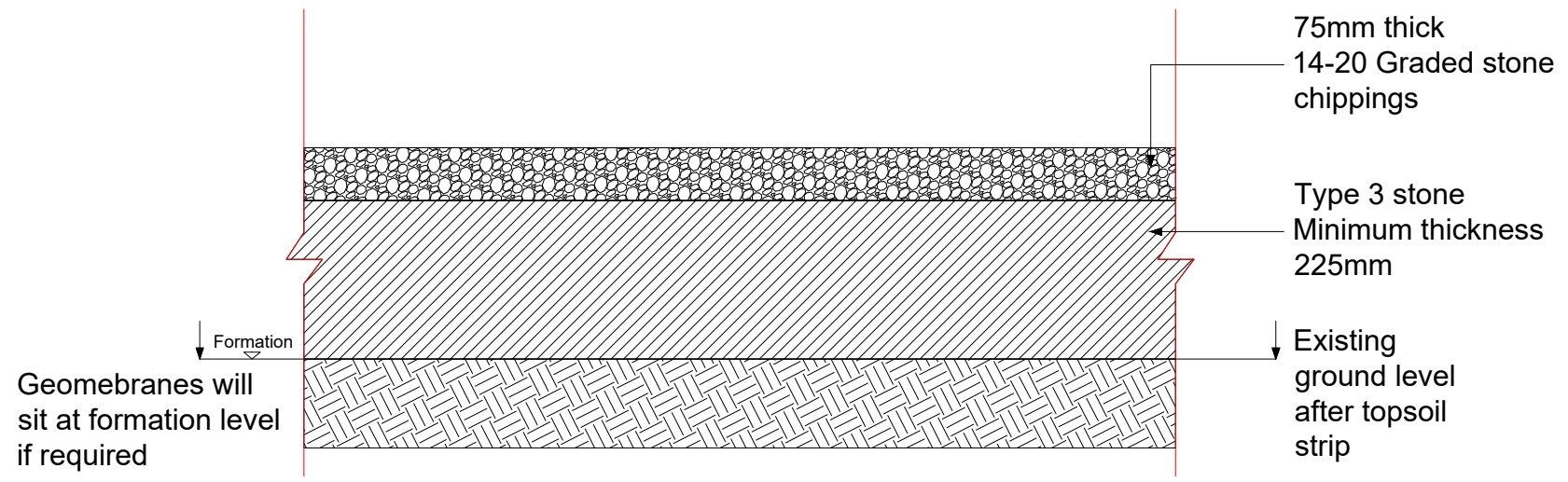


THIS DRAWING IS PROPERTY OF CERO GENERATION AND MAY NOT BE COPIED (IN WHOLE OR IN PART) USED FOR MANUFACTURING OR DISCLOSED WITHOUT PRIOR CONSENT OF CERO GENERATION.

DRAWN BY : CM	SIGN :	TITLE :
DATE : 26-07-2021		
CHECKED BY :		<b>Substation Fence And Gate Elevations</b>
DATE :		
APPROVED BY :		
DATE :		
DRAWING No. : AM15.0		

SHEET SIZE	SHEET	SCALE	REV
A3	1 OF 1	1:50	01





**GENERAL NOTES**

**LEGEND**

REFERENCE DRAWINGS		
No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

**PROJECT NAME :**  
**ALAW MÔN  
SOLAR PV AND BATTERY**

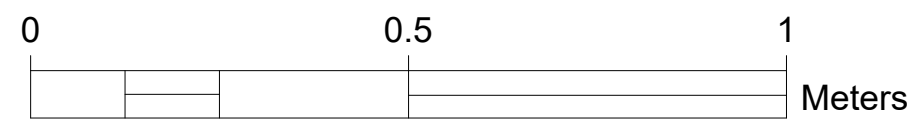
**OWNER'S ENGINEER :**

**GENERAL CONTRACTOR :**

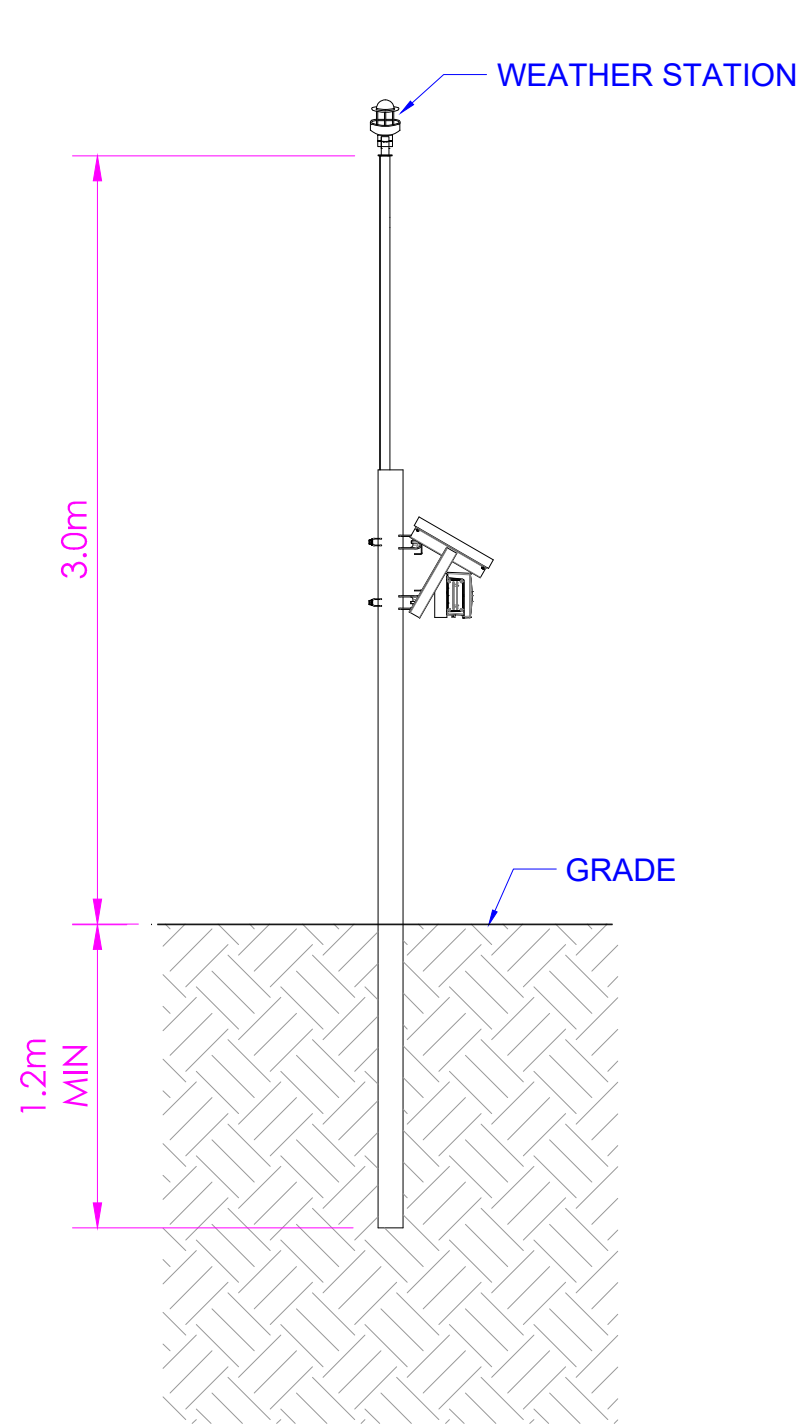


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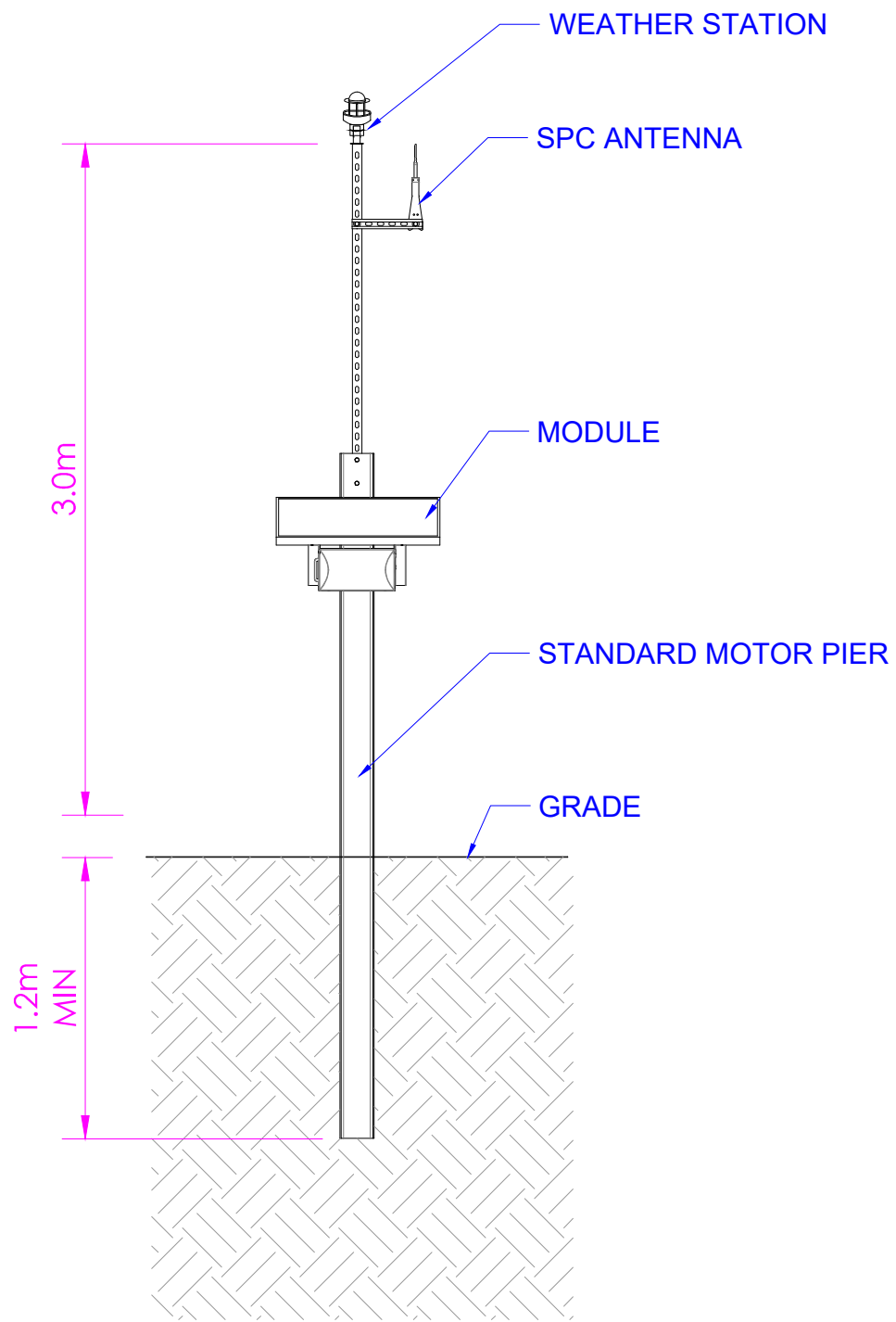
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DATE : 12-08-2011		
CHECKED BY :		<b>Substation Surfacing Cross Section</b>
DATE :		
DATE :		
APPROVED BY :		
DATE :		
DRAWING No. :	<b>AM16.0</b>	



SHEET SIZE <b>A3</b>	SHEET <b>1 OF 1</b>	SCALE <b>1:50</b>	REV <b>01</b>
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SIDE VIEW



FRONT VIEW

GENERAL NOTES

1) ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.

LEGEND

REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME :  
**ALAW MÔN  
SOLAR PV AND BATTERY**

OWNER'S ENGINEER :

GENERAL CONTRACTOR :

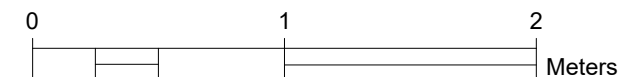


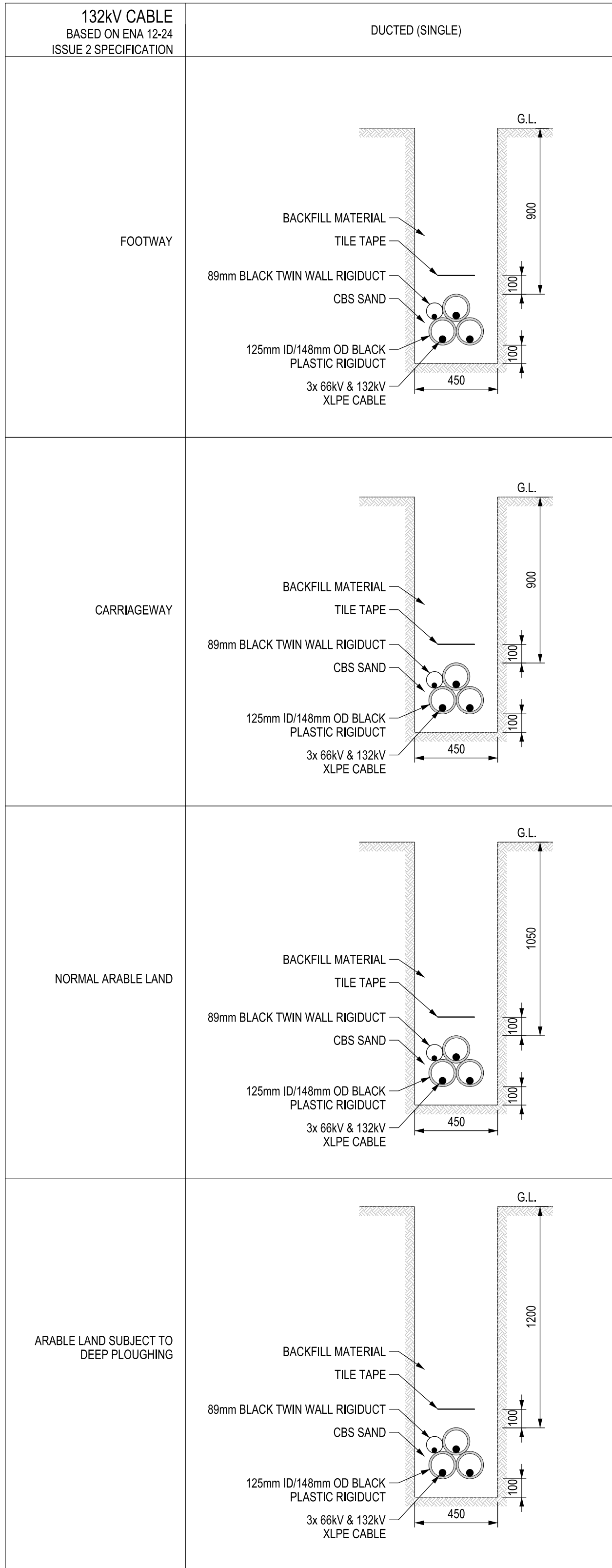
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DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	SIGN	TITLE
GM	28-07-2021						WEATHER STATION DETAIL

DRAWING No.: **AM7.0**

SHEET SIZE	SHEET	SCALE	REV
A3	1 OF 1	1:30	01





NOTES:

1. THIS DRAWING IS FOR DEVELOPMENT AND PLANNING PURPOSES.

2. SUGGESTED MINIMUM BENDING RADII

630mm <sup>2</sup> SINGLE CORE COPPER XLPE	580mm
630mm <sup>2</sup> SINGLE CORE ALUMINIUM XLPE	580mm
800mm <sup>2</sup> SINGLE CORE COPPER XLPE	660mm
800mm <sup>2</sup> SINGLE CORE ALUMINIUM XLPE	660mm
1000mm <sup>2</sup> SINGLE CORE COPPER XLPE	710mm
1000mm <sup>2</sup> SINGLE CORE ALUMINIUM XLPE	710mm

REFERENCES:

ENA 12-24 ISSUE 2 TECHNICAL SPECIFICATION FOR CABLE DUCTING

ENA 97-1 EXTRACT TECHNICAL SPECIFICATION FOR CBS BACKFILL

ENA 12-23 TECHNICAL SPECIFICATION FOR TILE TAPE & TILE BOARD COVERS

NJUG GUIDELINES FOR CABLE SEGREGATION



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Tetbury Road, Cirencester, GL7 6JJ  
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Revisions:  
First Issue- 13/06/2023 JS



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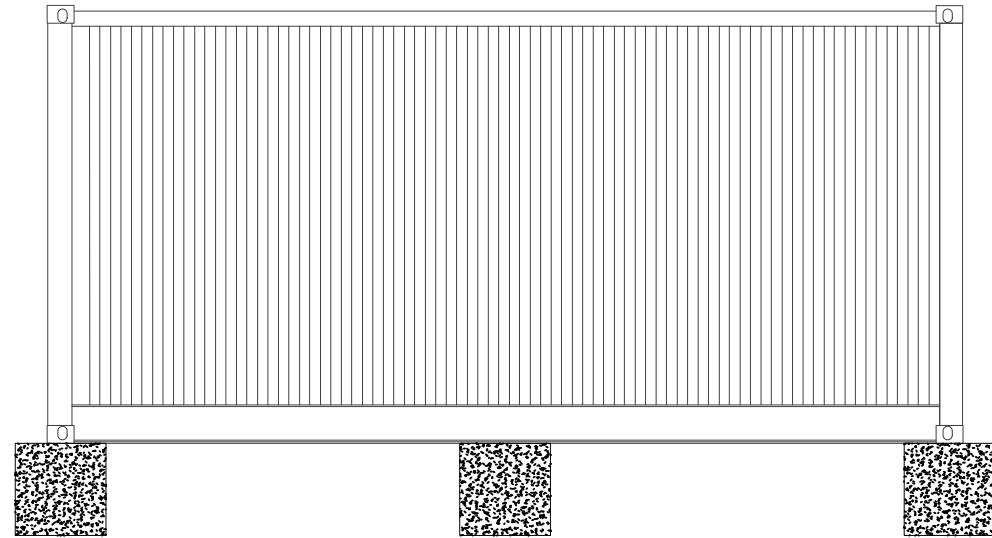
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Project Title:  
**Alaw Môn (Wylfa) Solar Farm**

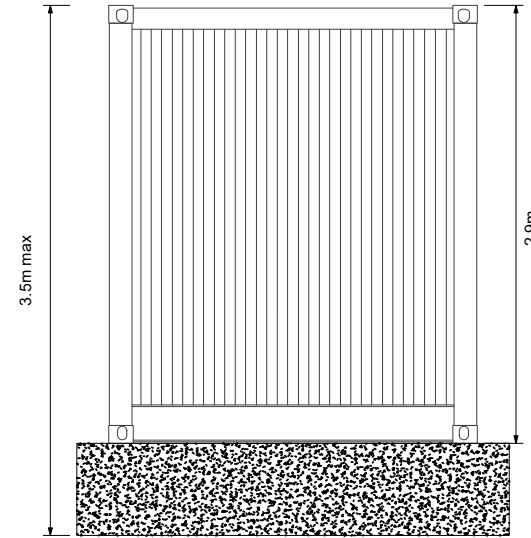
Drawing Title:  
**132kV Connection Cable Arrangement Between the NG Substation and the Solar Substation**

DRWG No: WAM-01-P19	Rev: -	Sht no: -
Drawn by : JS	Checked by: OH	
Scale: 1:20 @ A2	Date: 13/06/2023	

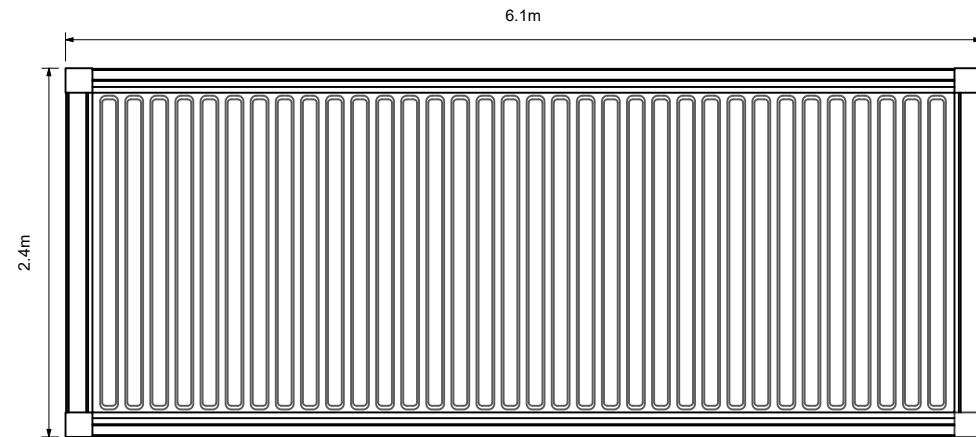
Side Elevation



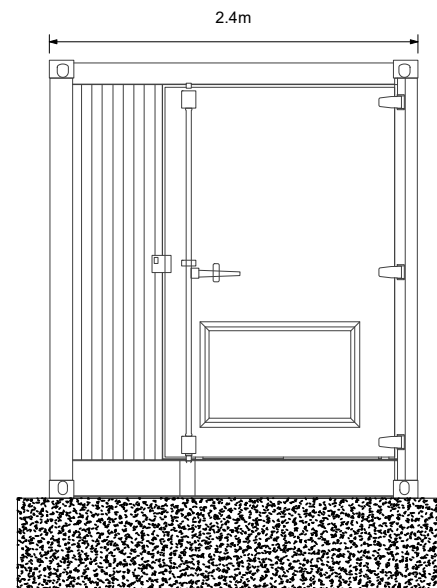
Rear Elevation



Roof Plan



Front Elevation



GENERAL NOTES:

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Revisions:  
First Issue- 22/09/2023 JS

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Telbury Road, Cirencester, GL7 6JJ  
Tel: 01452 764685 Email: enquiries@ensoenergy.co.uk

Project Title:

**Alaw Môn (Wylfa) Solar Farm**

Drawing Title:

**BESS Inverter/Transformer**

DRWG No: WAM-01-P20	Rev: -	Sht no: -
Drawn by : JS	Checked by: OH	
Scale: 1:50 @ A3	Date: 22/09/2023	