

# Wylfa Newydd Project

## Volume 2: Plans, Sections and Drawings (Part 16/19)

### 2.13 Off-site Power Station Facilities

PINS Reference Number: EN010007

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Application Reference Number: 2.13

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June 2018

Revision 1.0

Regulation Number: 5(2)(o)

Planning Act 2008  
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

# Contents

WN0902-HZDCO-ADV-DRG-00001	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, PARAMETER PLAN
WN0902-HZDCO-ADV-DRG-00002	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, SITE LAYOUT PLAN
WN0902-HZDCO-ADV-DRG-00003	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, PROPOSED CLEARANCE, AND DEMOLITION PLAN
WN0902-HZDCO-ADV-DRG-00004	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, PROPOSED LANDSCAPE, MASTERPLAN AND FINISHED LEVELS
WN0902-HZDCO-ADV-DRG-00005	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, PROPOSED HIGHWAYS, GENERAL ARRANGEMENT PLAN
WN0902-HZDCO-ADV-DRG-00006	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, PROPOSED EXTERNAL, LIGHTING PLAN
WN0902-HZDCO-ADV-DRG-00007	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, PROPOSED SURFACE WATER AND FOUL WATER, DRAINAGE PLAN
WN0902-HZDCO-ADV-DRG-00008	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU - SITE UTILITIES AND, PROPOSED CONNECTIONS TO, EXISTING STATUTORY UNDERTAKERS
WN0902-HZDCO-ADV-DRG-00009	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, EXISTING AND PROPOSED SITE, CROSS SECTIONS
WN0902-HZDCO-ADV-DRG-00010	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU - MOBILE EMERGENCY, EQUIPMENT GARAGE AND ALTERNATIVE, EMERGENCY CONTROL CENTRE ROOF PLAN
WN0902-HZDCO-ADV-DRG-00011	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU - MOBILE EMERGENCY, EQUIPMENT GARAGE AND ALTERNATIVE, EMERGENCY CONTROL CENTRE ELEVATIONS
WN0902-HZDCO-ADV-DRG-00012	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, ENVIRONMENTAL SURVEY LABORATORY, ROOF PLAN
WN0902-HZDCO-ADV-DRG-00013	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, ENVIRONMENTAL SURVEY LABORATORY, ELEVATIONS
WN0902-HZDCO-ADV-DRG-00015	OFF-SITE POWER STATION FACILITIES, LLANFAETHLU, MISCELLANEOUS BUILDINGS AND, STRUCTURES - PLANS AND ELEVATIONS

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NOTES

1. The order limits shown on this plan include some land which will be used for the purposes of the Off-line Highways Section 5.

LEGEND

Order Limits  
Maximum Extent of Parameter Zone

0 10 20 30 40 50 m  
SCALE 1:500

1.0 MARCH 2018 FOR DCO SUBMISSION HNPWL HNPWL HNPWL  
Rev Rev. Date Purpose of revision Drawn Checkd Apprvd

FOR APPROVAL

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Project

**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title

**OFF-SITE POWER STATION FACILITIES  
- LLANFAETHLU  
PARAMETER PLAN**

Regulation 5 (2) (o)

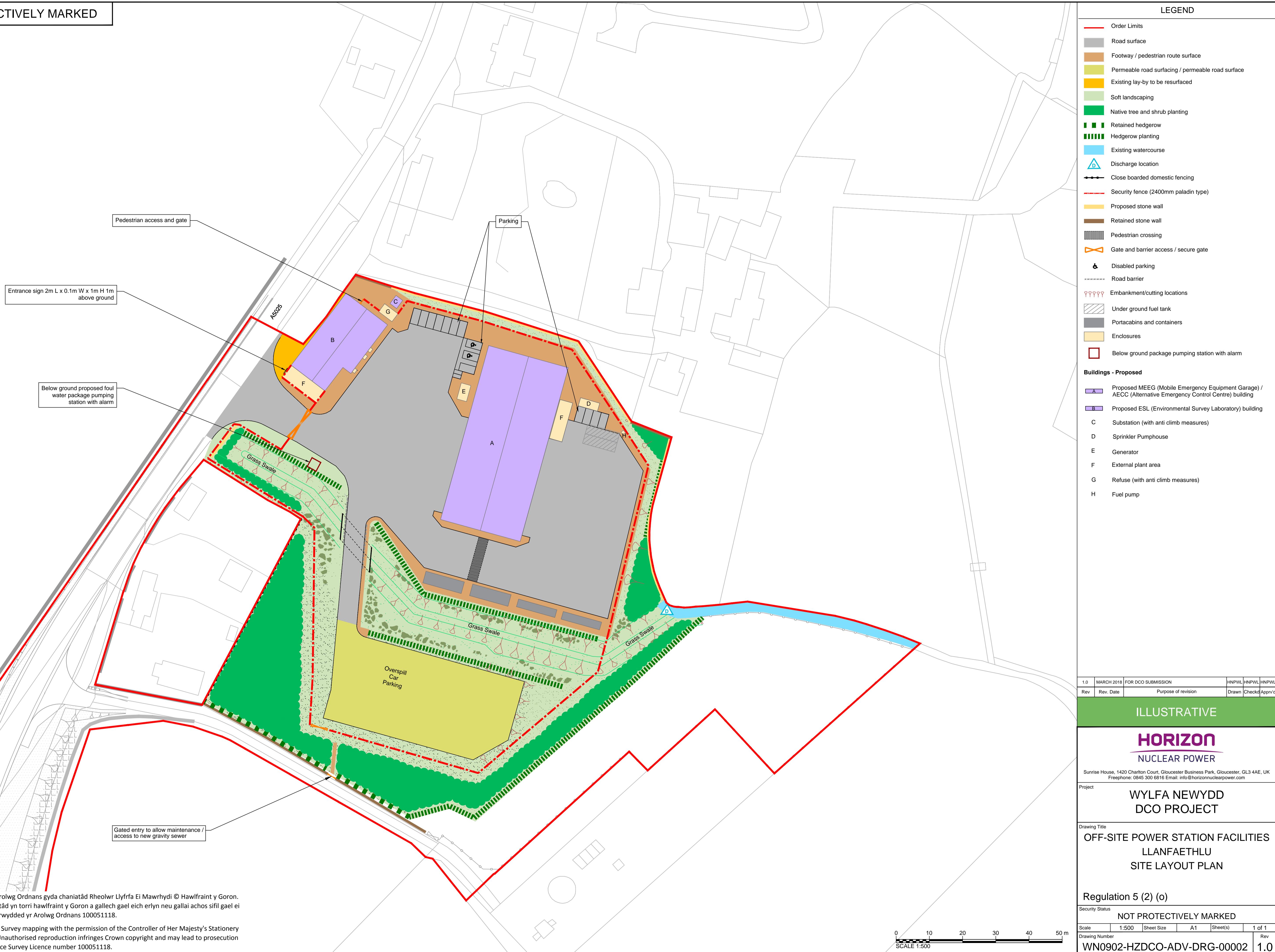
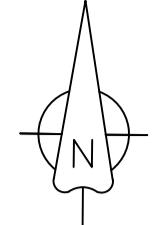
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Scale 1:500 Sheet Size A1 Sheet(s) 1 of 1

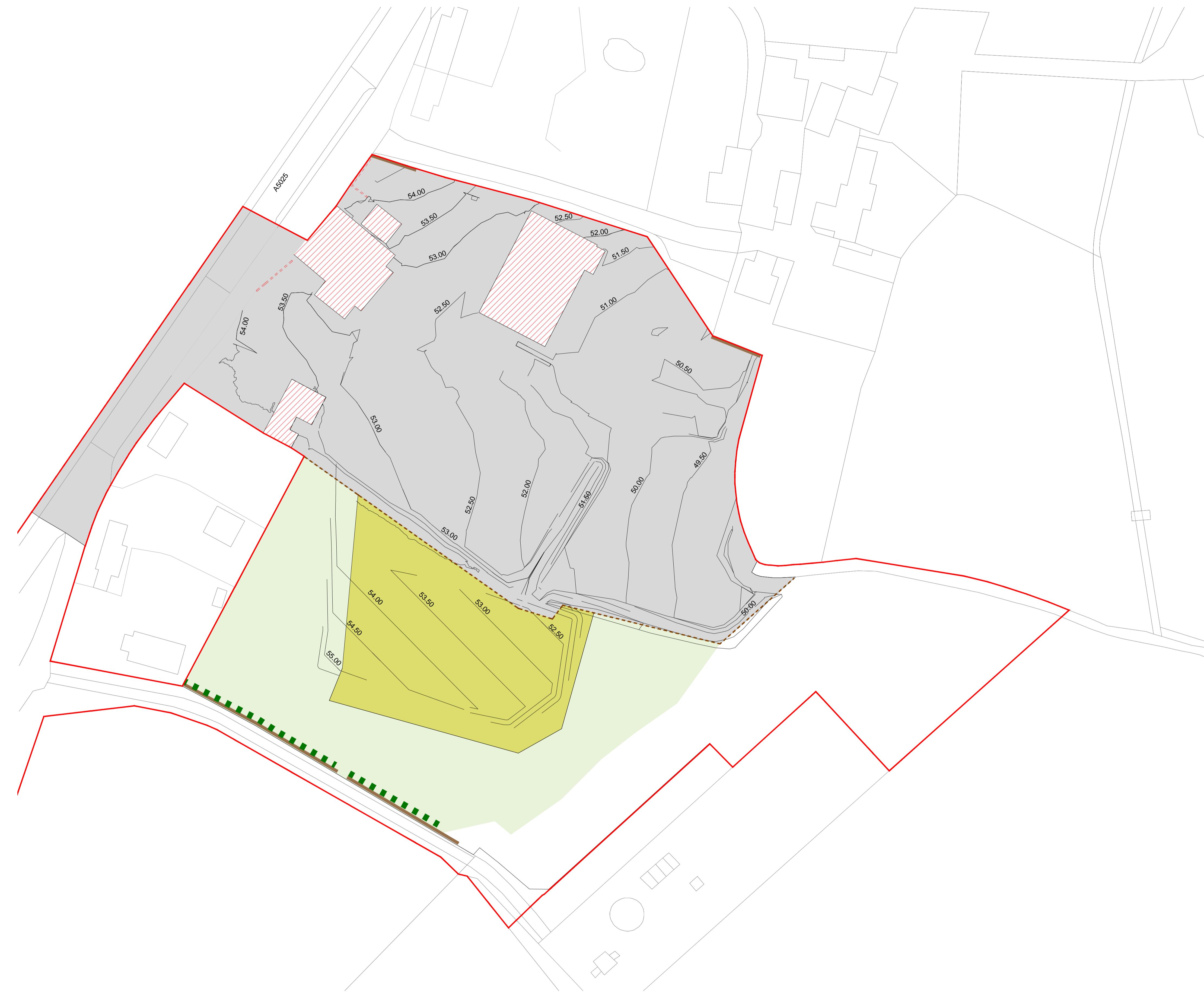
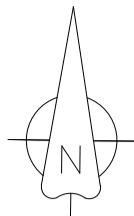
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NOTES

1. All levels are in metres above ordnance datum unless noted otherwise.

LEGEND

- Order Limits
- Extent of existing buildings to be demolished
- Existing walls to be demolished
- Extent of site clearance area of existing hardstanding and vegetation
- Extent of site clearance for construction works within the site boundary
- Extent of site clearance for overspill parking zone within the site boundary
- Existing site bund to be removed
- Retained hedgerow
- Retained stone wall

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Rev. Rev. Date Purpose of revision Drawn Checked Apprv'd

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**OFF-SITE POWER STATION FACILITIES  
LLANFAETHLU  
PROPOSED CLEARANCE  
AND DEMOLITION PLAN**

Regulation 5 (2) (o)

Security Status  
**NOT PROTECTIVELY MARKED**

Scale 1:500 Sheet Size A1 Sheet(s) 1 of 1

Drawing Number WN0902-HZDCO-ADV-DRG-00003 Rev. 1.0

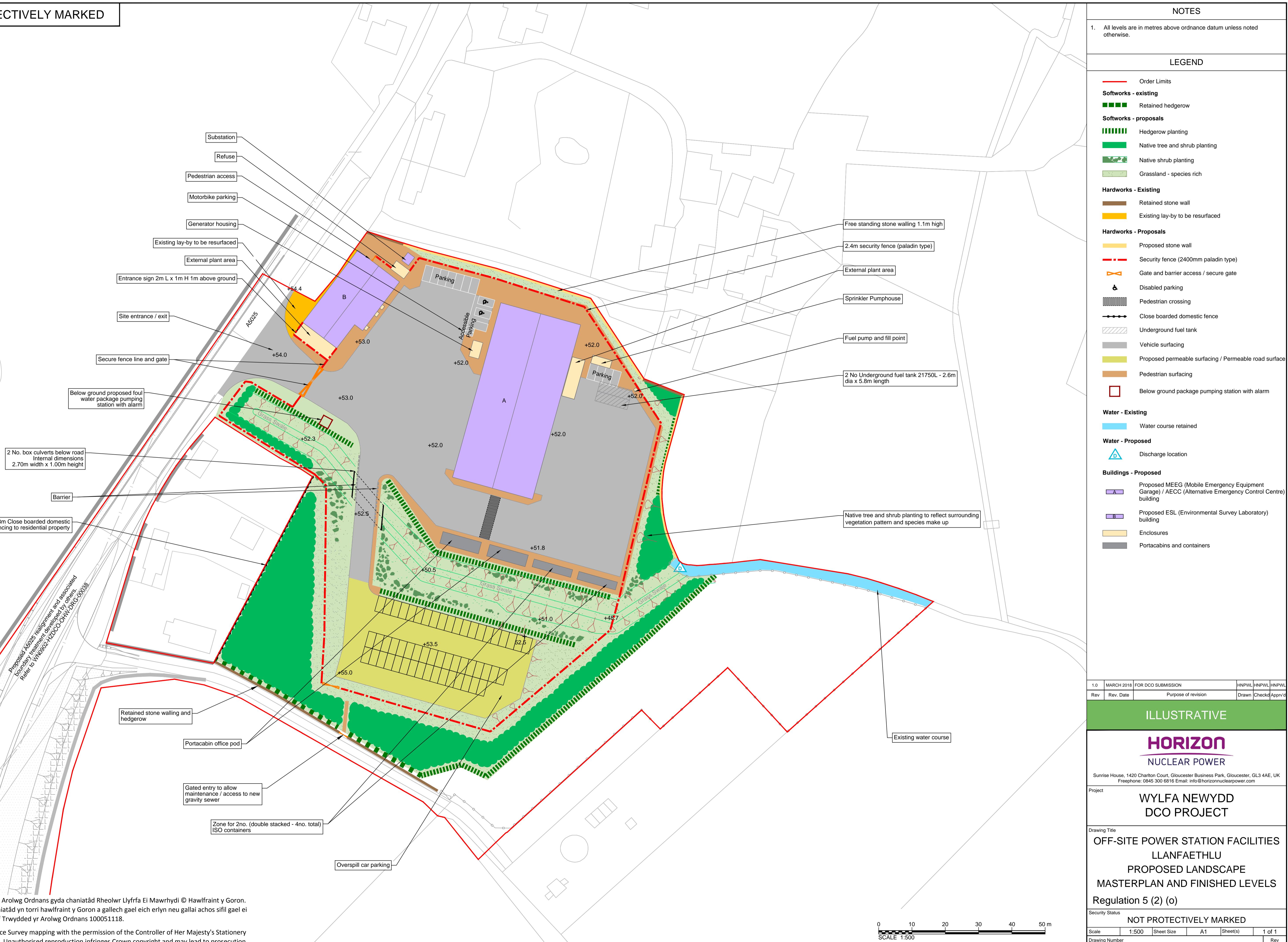
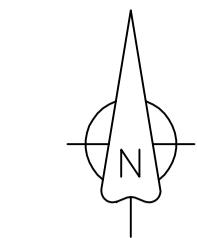
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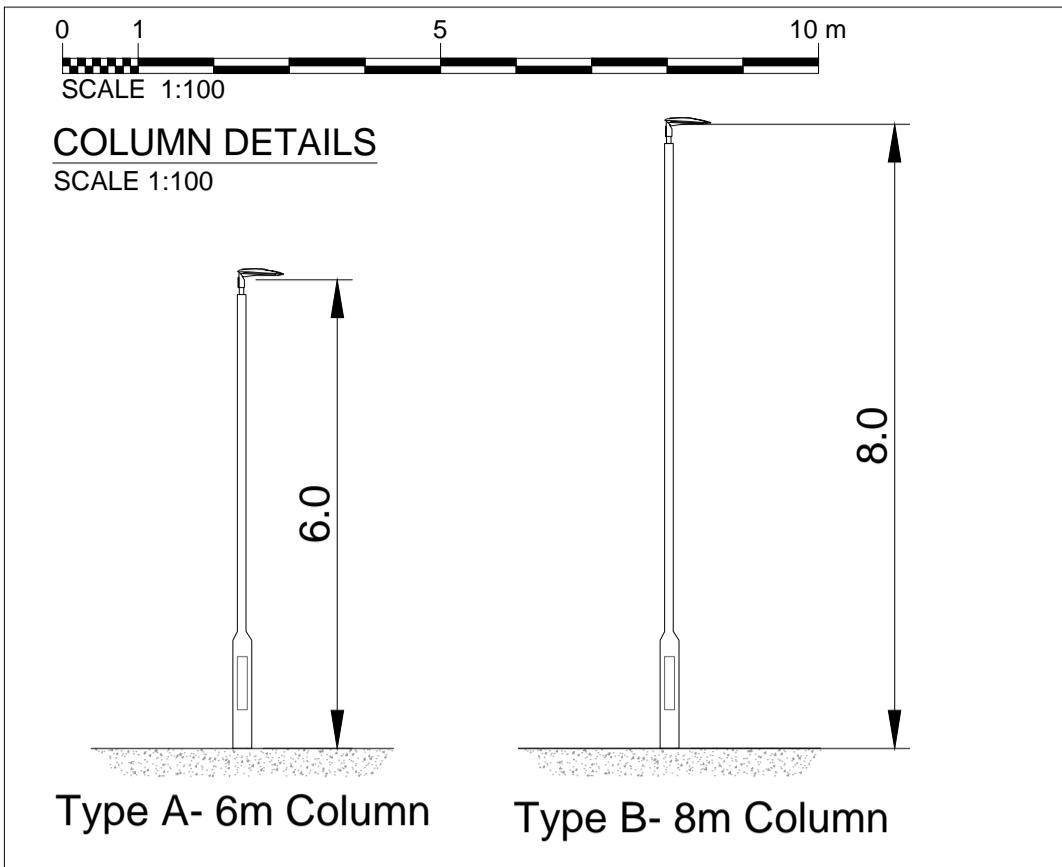
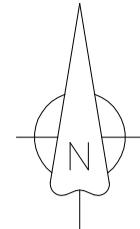
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SCALE 1:500

NOT PROTECTIVELY MARKED



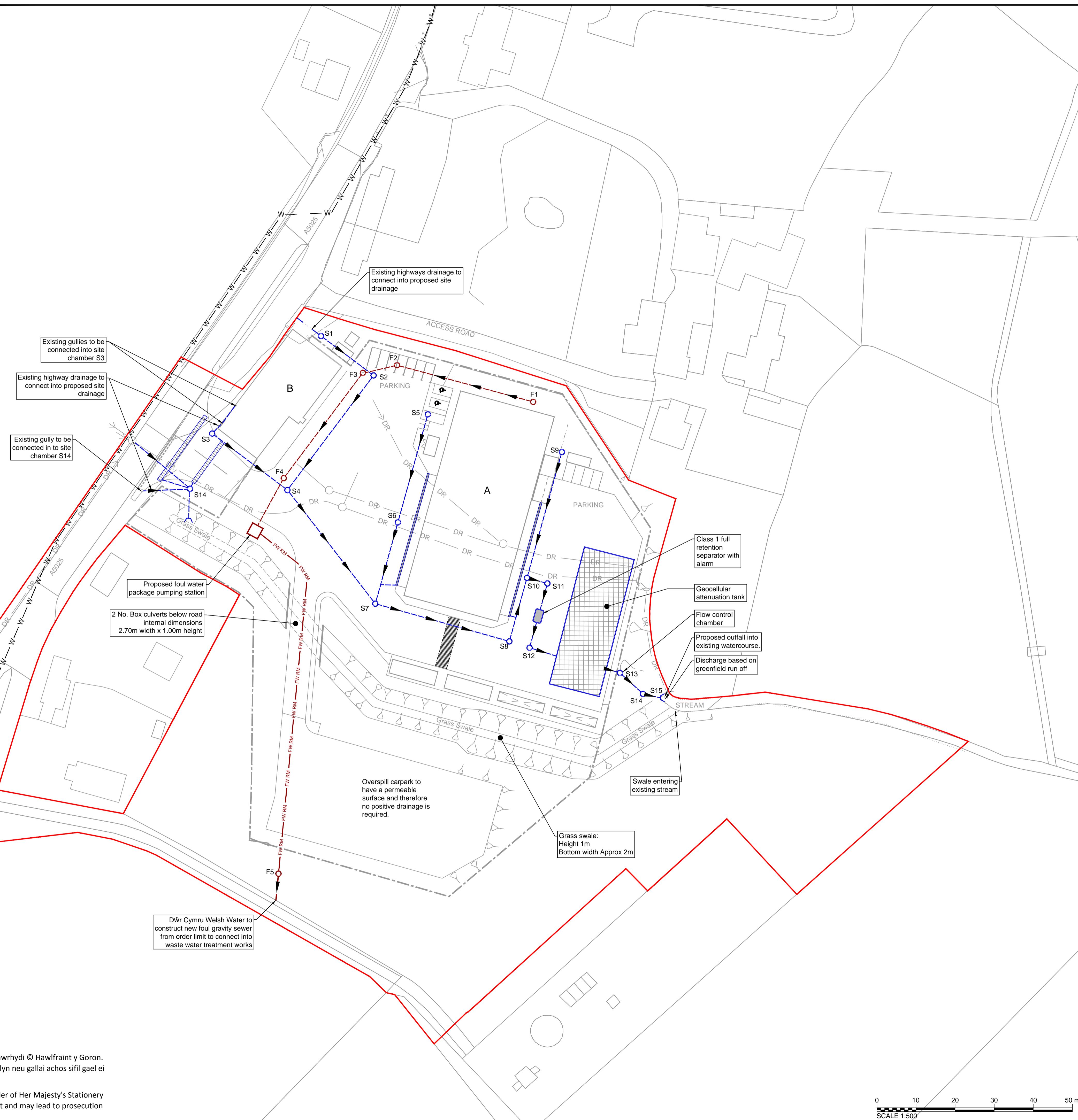
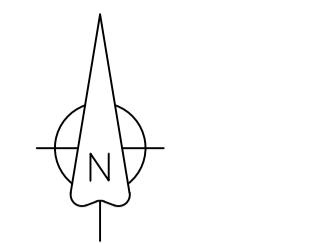


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Notes					
1. All dimensions are in metres unless noted otherwise.					
Legend					
Statistics					
Description	Symbol	Avg Lux	Min Lux	Min/Avg	
ESL Building		11.57 lux	4.85 lux	0.40	
Car Park		8.74 lux	4.68 lux	0.53	
MEEG Building		20.01 lux	7.93 lux	0.40	
Footpath		14.07 lux	5.60 lux	0.40	
Luminaires					
Symbol	Label	QTY	Description	Lamp	No. of Lamps
○	A	10	Post top mounted at 6m height	LED C.5000LM-4000K	1
○	B	5	Post top mounted at 8m height	LED C.8000LM-4000K	1
□	C	10	Wall mounted at 7 m height with a 0.5m bracket	LED C.8000LM-4000K	1

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NOTES

- Existing surface water drain to be diverted into swale.
- Existing highway surface water drainage will be located and removed/abandoned. All drainage associated with the surrounding properties will be retained/diverted as appropriate.
- The surface water drainage network is proposed with the following requirements:
  - Pipes are designed for flow from a 1 in 5 year storm event plus 20% climate change from no surcharging above soffit
  - No flooding from manholes or above ground (allowing for a 300 mm freeboard below ground level) for a flow from a 1 in 30 year storm plus 20% climate change
  - No significant ponding caused from flow from a 1 in 100 year storm event plus 20% climate change
- The drainage system is proposed so that the peak discharge runoff rates for a 1 in 100 year storm event is constrained to greenfield runoff rates for the same event
- Surface water storage requirements will be provided using geocellular storage systems.
- Linear/gully receptor drains omitted for clarity. Connections to be minimum of 150mm diameter.

LEGEND

- Order Limits
- Security fence (2400mm paladin type)
- Proposed surface water sewer
- Proposed surface water catchpit
- Proposed foul water sewer
- Proposed foul water manhole
- Proposed foul water rising main
- Below ground package pumping station with alarm
- Pedestrian crossing
- Proposed geocellular storage tank
- Proposed full retention separator
- Proposed headwall outfall
- Existing potable water main
- Existing surface water sewer to be diverted and removed
- Proposed surface channel drain
- Proposed surface slot drain
- Disabled parking

Buildings - Proposed

- A Proposed MEEG (Mobile Emergency Equipment Garage) / AECC (Alternative Emergency Control Centre) building
- B Proposed ESL (Environmental Survey Laboratory) building

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Rev Rev. Date Purpose of revision Drawn Checked Appr'd

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Project WYLFA NEWYDD DCO PROJECT

Drawing Title OFF-SITE POWER STATION FACILITIES LLANFAETHLU PROPOSED SURFACE AND FOUL WATER DRAINAGE PLAN

Regulation 5 (2) (o)

Security Status NOT PROTECTIVELY MARKED

Scale 1:500 Sheet Size A1 Sheet(s) 1 of 1

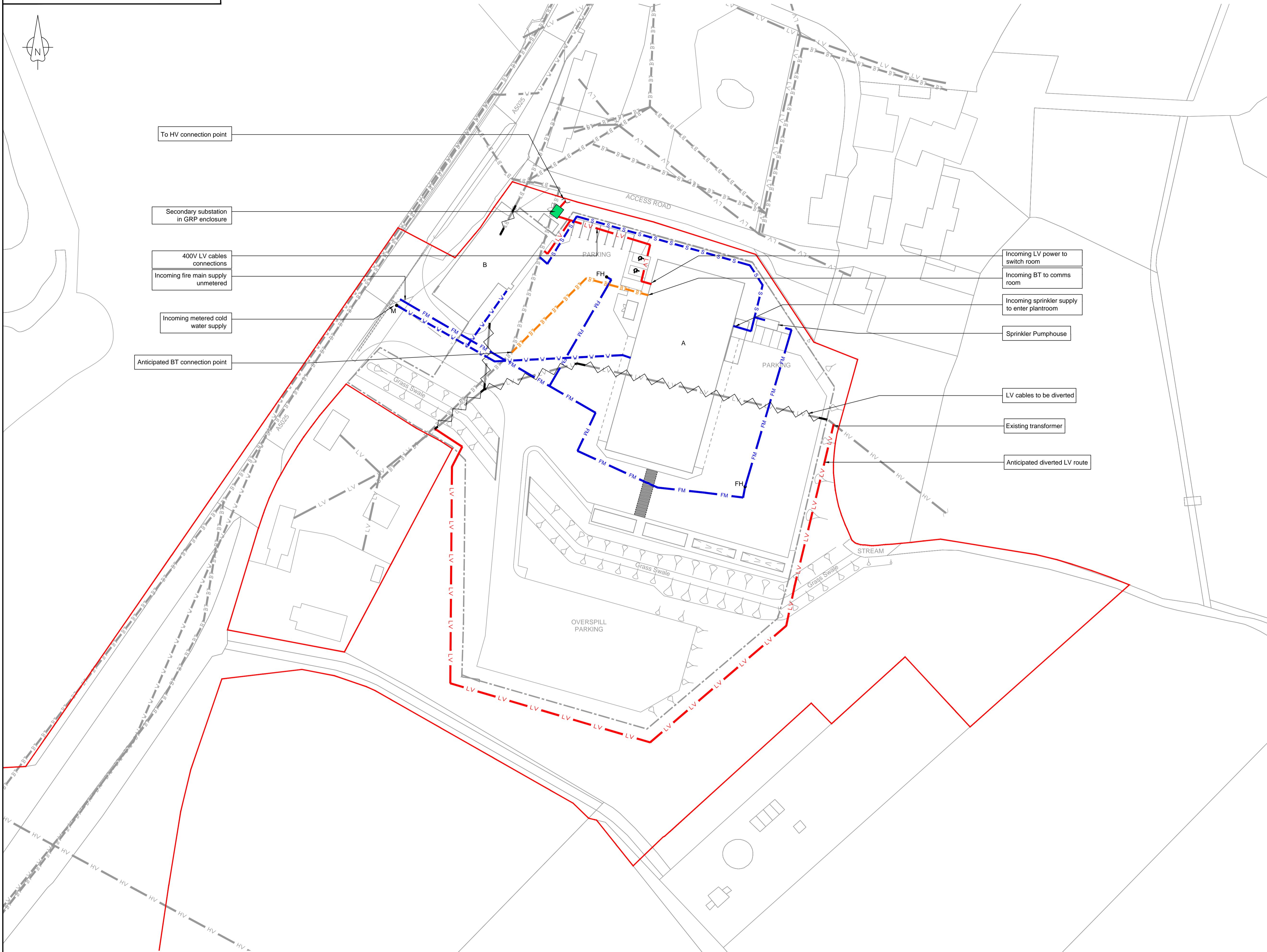
Drawing Number WN0902-HZDCO-ADV-DRG-00007 Rev 1.0

0 10 20 30 40 50 m

SCALE 1:500

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NOTES

1. Locations of services shown are approximate and based on plan information from service providers and others.

LEGEND

Order Limits  
Security fence (2400mm paladin type)  
Disabled parking  
Existing services  
BT - telecoms  
Electrical LV  
Electrical HV  
Water supply

Proposed services  
BT - telecoms  
Electrical LV  
Electrical HV  
Water supply  
Fire main supply  
Sprinkler main  
Cables to be diverted or removed  
Secondary substation  
Fire hydrant below ground  
Water meter below ground  
Low voltage  
High voltage  
Volts  
Glass-reinforced plastic  
British Telecom

Buildings - Proposed  
A Proposed MEEG (Mobile Emergency Equipment Garage) / AECC (Alternative Emergency Control Centre) building  
B Proposed ESL (Environmental Survey Laboratory) building

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**OFF-SITE POWER STATION FACILITIES  
LLANFAETHLU - SITE UTILITIES AND  
PROPOSED CONNECTIONS TO  
EXISTING STATUTORY UNDERTAKERS**  
Regulation 5 (2) (o)

Security Status  
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Scale 1:500 Sheet Size A1 Sheet(s) 1 of 1  
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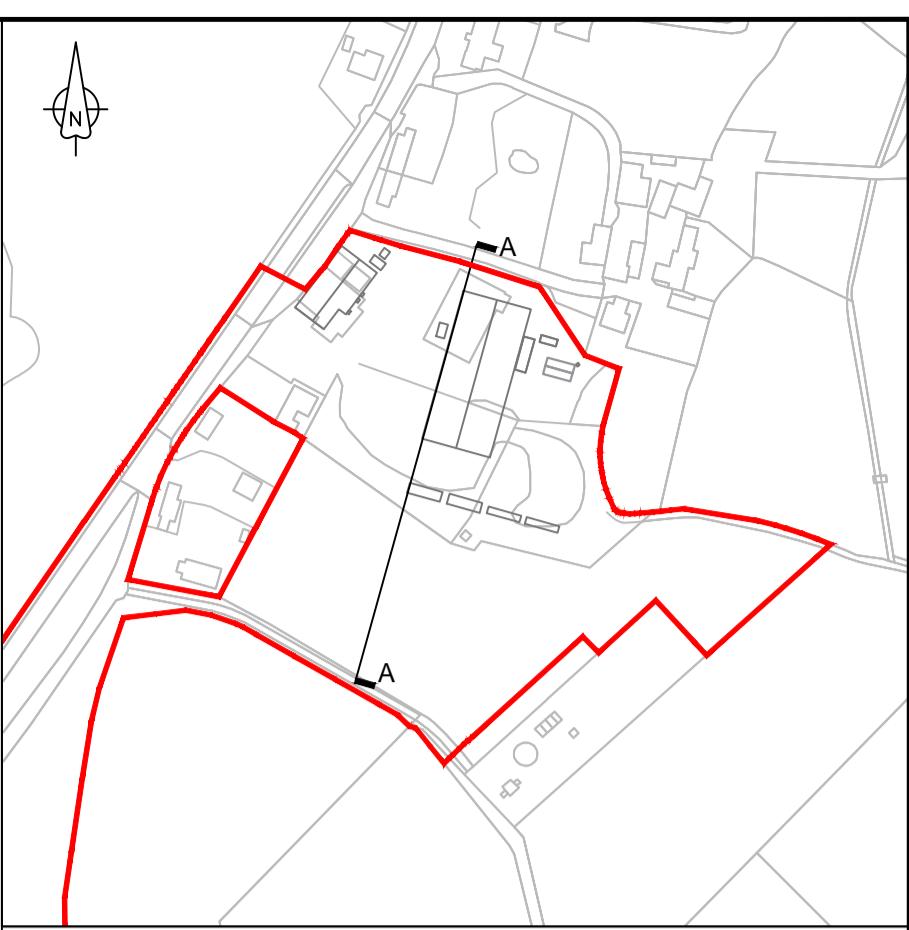
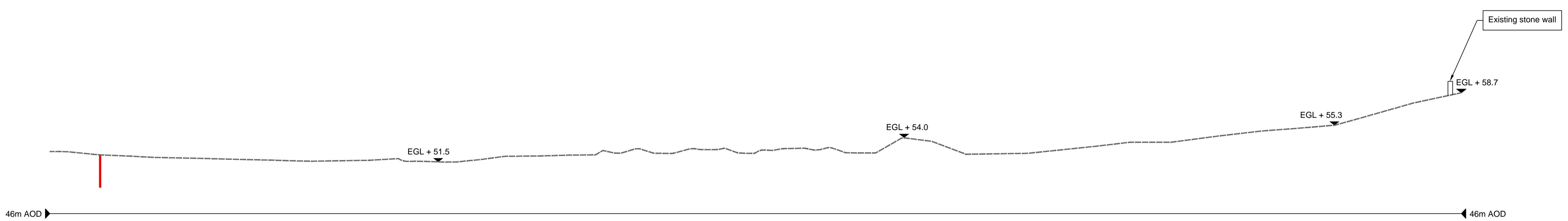
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0 10 20 30 40 50 m  
SCALE 1:500

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SITE SECTION LOCATION PLAN  
Not to Scale

NOTES

1. All levels are in metres above ordnance datum (AOD) unless noted otherwise.

LEGEND

Order Limits

Existing ground line

Proposed ground line

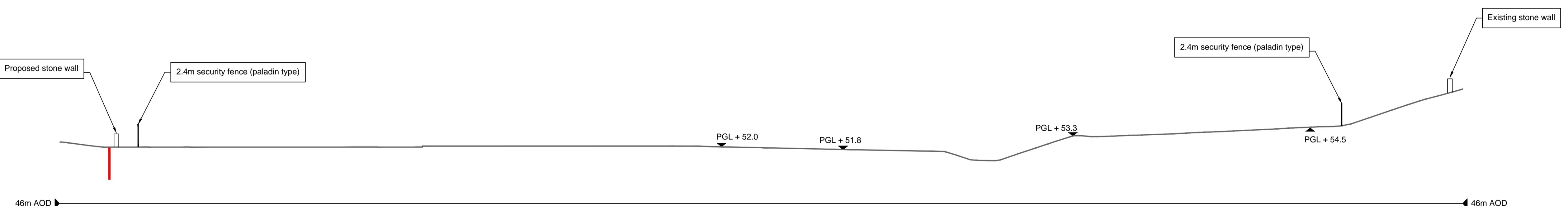
AOD - Above Ordnance Datum

EGL - Existing Ground Level

PGL - Proposed Ground Level

1 SECTION A-A - EXISTING

SCALE 1:250



1.0 MARCH 2018 FOR DCO SUBMISSION HNPWL HNPWL HNPWL

Rev Rev. Date Purpose of revision Drawn Checked Approv'd

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Project

**WYLFA NEWYDD**  
**DCO PROJECT**

Drawing Title

**OFF-SITE POWER STATION FACILITIES**  
**LLANFAETHLU**  
**EXISTING AND PROPOSED SITE**  
**CROSS SECTIONS**

**Regulation 5 (2) (o)**

Security Status

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Scale 1:250 Sheet Size A1 Sheet(s) 1 of 1

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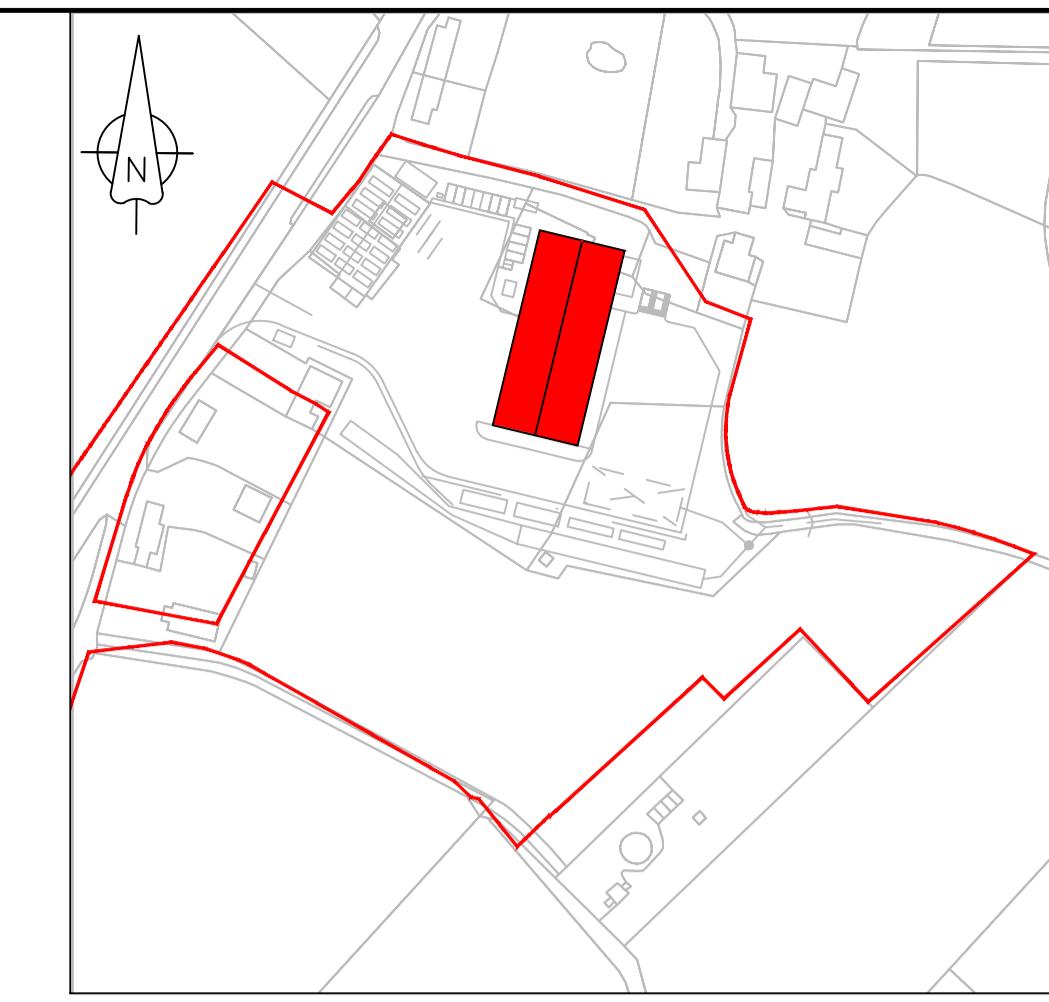
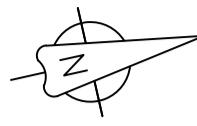
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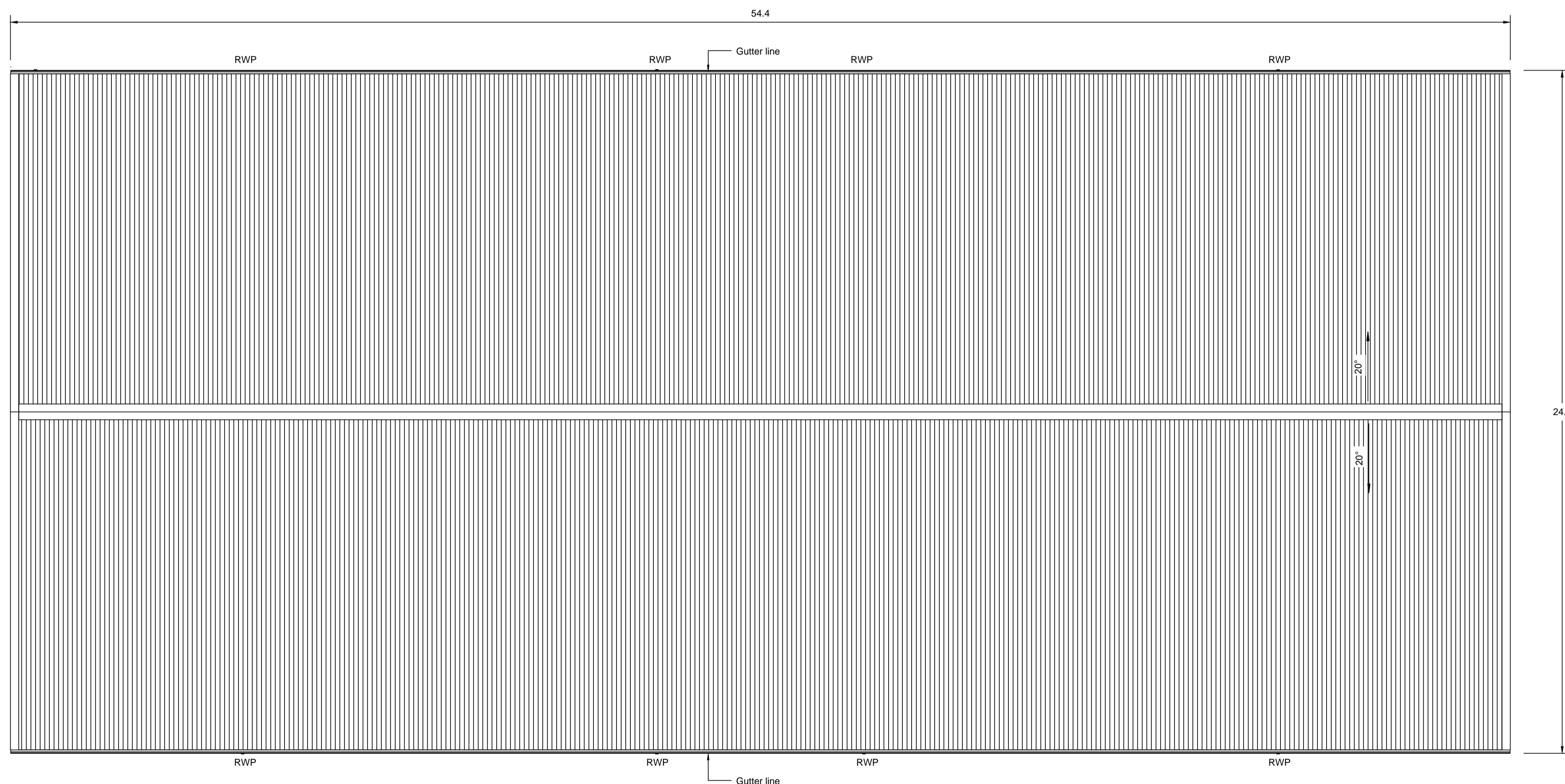
0 5 10 15 20 25m  
SCALE 1:250

NOT PROTECTIVELY MARKED



KEY PLAN

Not to Scale



1| ROOF PLAN

SCALE 1:100



Notes

1. All dimensions are in metres unless noted otherwise.

LEGEND

Order Limits  
RWP Rain Water Pipe

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
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Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**OFF-SITE POWER STATION FACILITIES  
LLANFAETHLU - MOBILE EMERGENCY  
EQUIPMENT GARAGE AND ALTERNATIVE  
EMERGENCY CONTROL CENTRE ROOF PLAN**

Regulation 5 (2) (o)

Security Status  
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Scale 1:100 Sheet Size A1 Sheet(s) 1 of 1

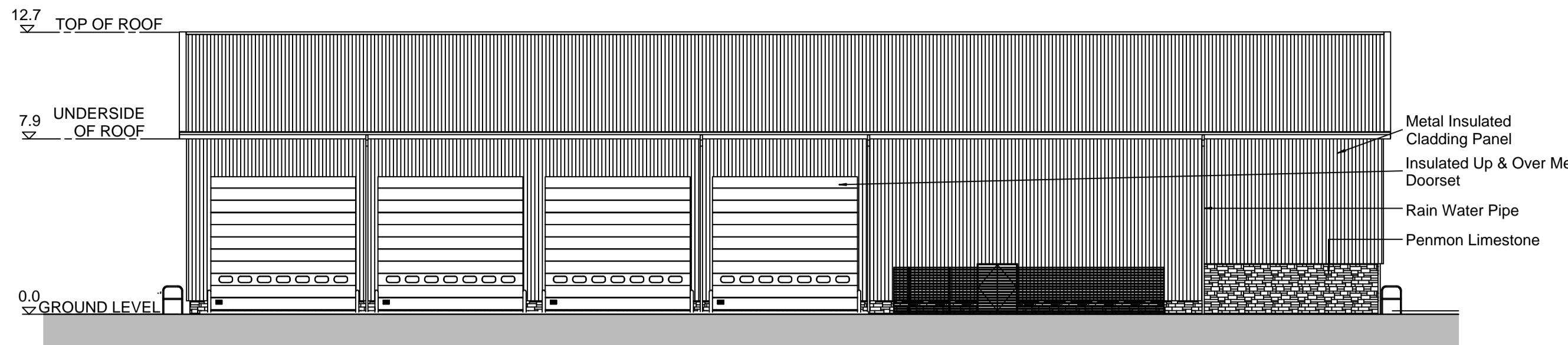
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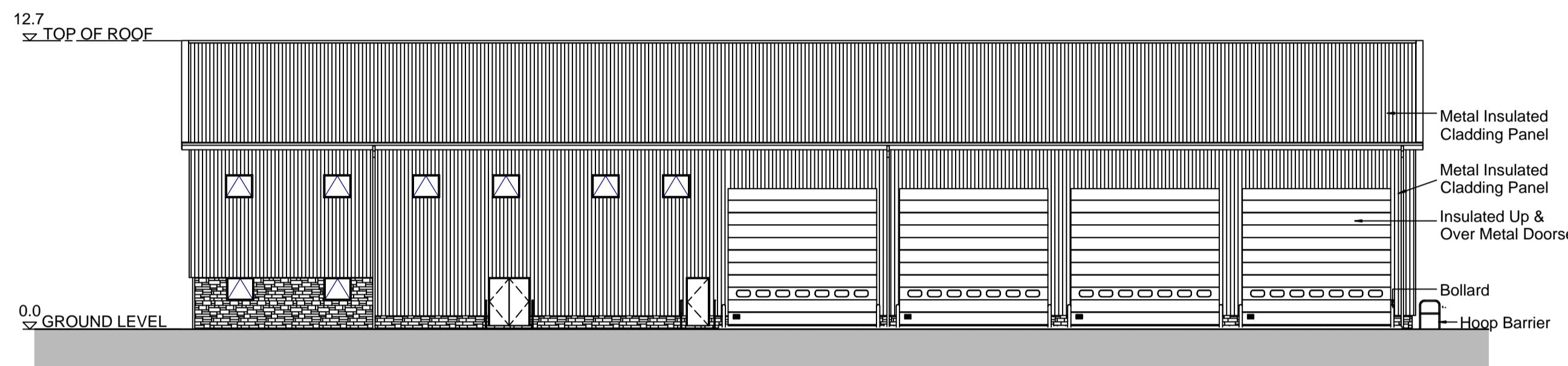
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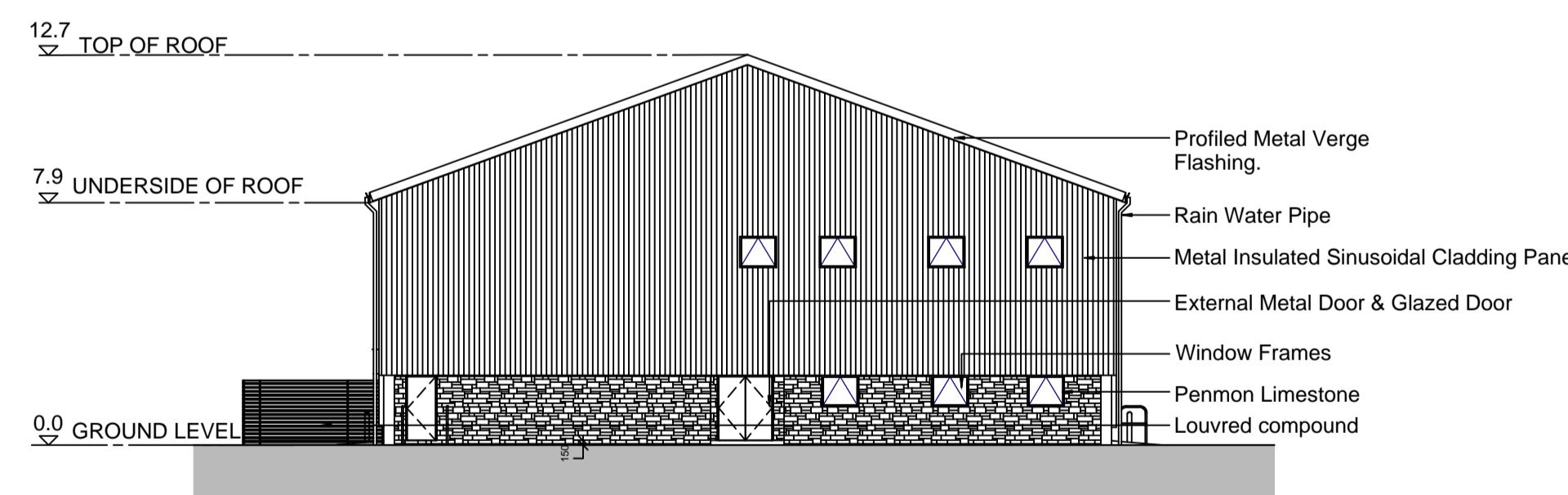
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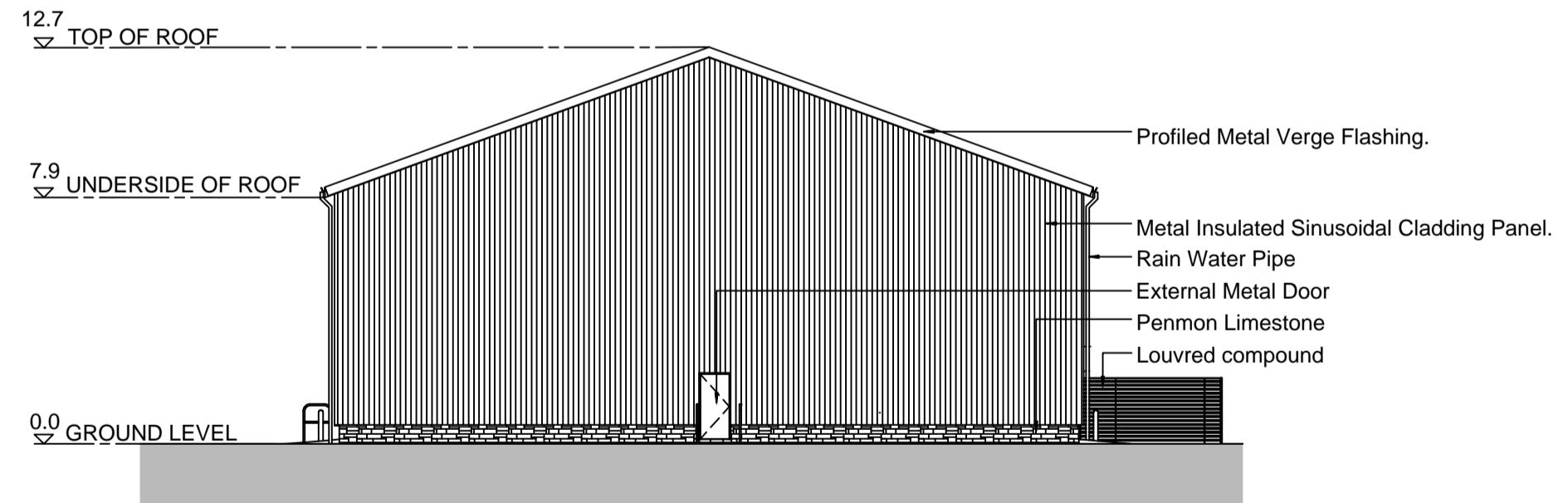
## 2 WEST ELEVATION

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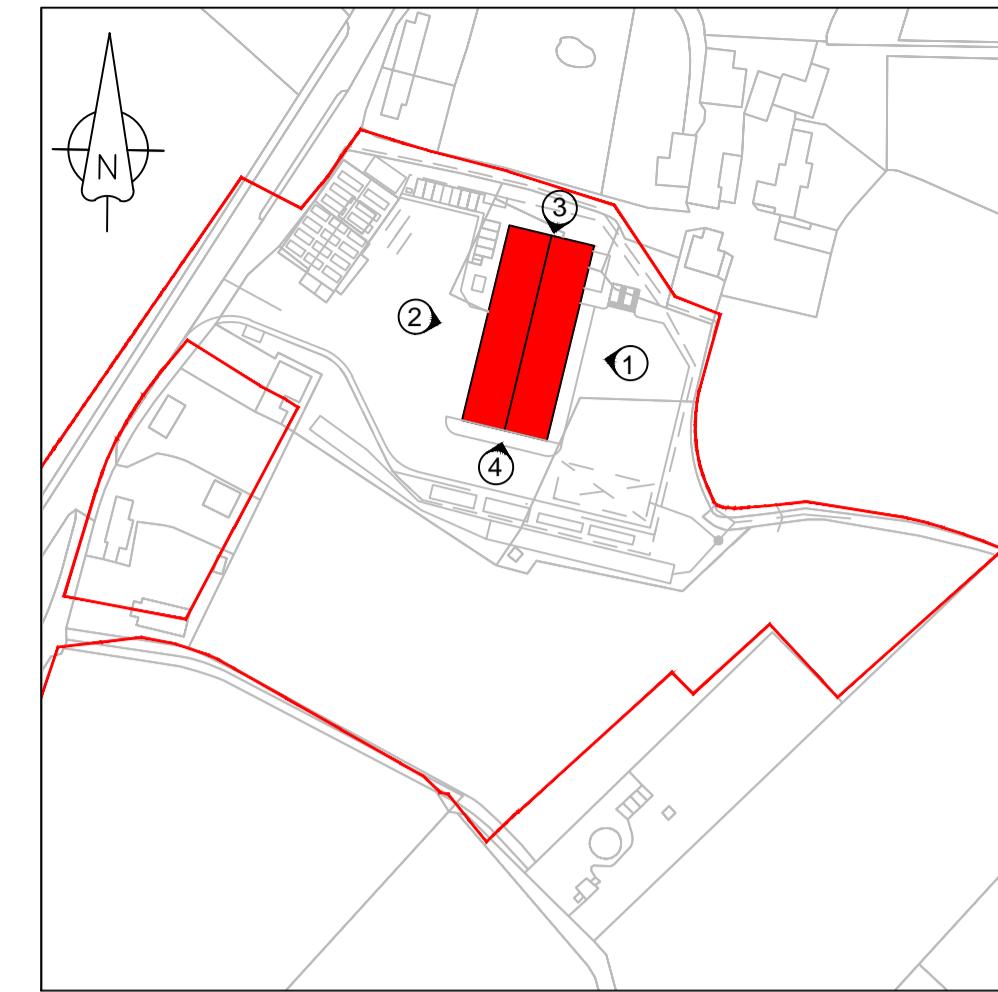
## 3 NORTH ELEVATION

SCALE 1:200



## 4 SOUTH ELEVATION

SCALE 1:200



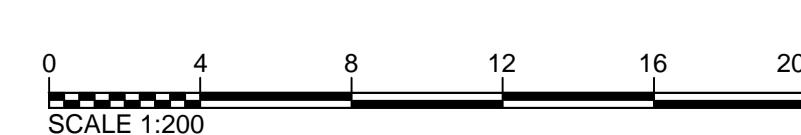
## KEY PLAN

Not to Scale

NOTES								
1. All levels are in metres unless noted otherwise.								
LEGEND								
Order Limits								
1.0 MARCH 2018 FOR DCO SUBMISSION HNPWL HNPWL HNPWL								
Rev		Rev. Date	Purpose of revision Drawn Checked Approved					
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Project WYLFA NEWYDD DCO PROJECT								
Drawing Title OFF-SITE POWER STATION FACILITIES LLANFAETHLU - MOBILE EMERGENCY EQUIPMENT GARAGE AND ALTERNATIVE EMERGENCY CONTROL CENTRE ELEVATIONS								
Regulation 5 (2) (o)								
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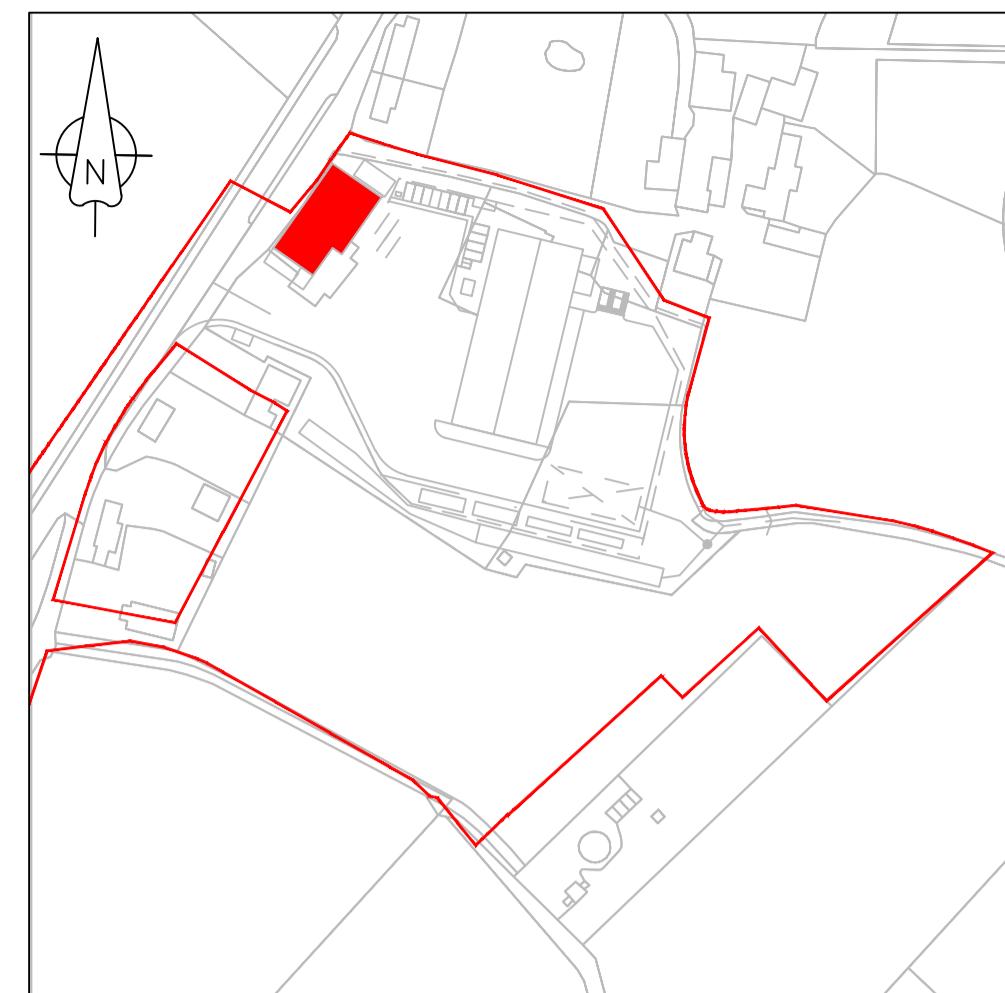
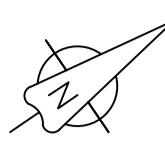
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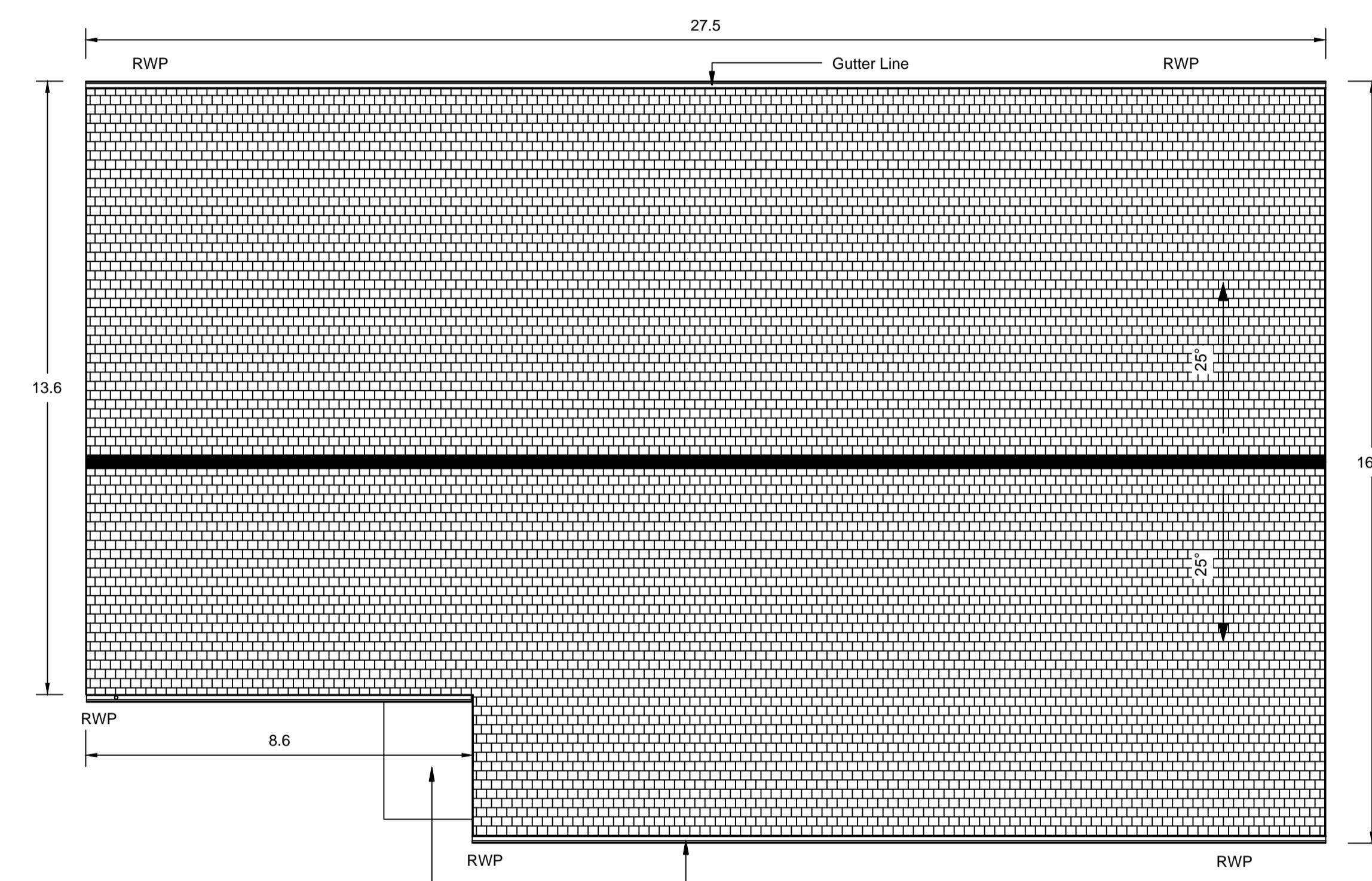
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KEY PLAN

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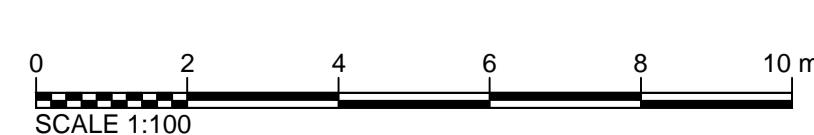
1 | ROOF PLAN

SCALE 1:100

Notes					
1. All dimensions are in metres unless noted otherwise.					
LEGEND					
Order Limits			Rain Water Pipe		
Rev	Rev. Date	Purpose of revision		Drawn	Checked
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Project					
<b>WYLFA NEWYDD</b> <b>DCO PROJECT</b>					
Drawing Title					
<b>OFF-SITE POWER STATION FACILITIES</b> <b>LLANFAETHLU</b> <b>ENVIRONMENTAL SURVEY LABORATORY</b> <b>ROOF PLAN</b>					
Regulation 5 (2) (o)					
Security Status					
NOT PROTECTIVELY MARKED					
Scale	1:100	Sheet Size	A1	Sheet(s)	1 of 1
Drawing Number	WN0902-HZDCO-ADV-DRG-00012				Rev 1.0

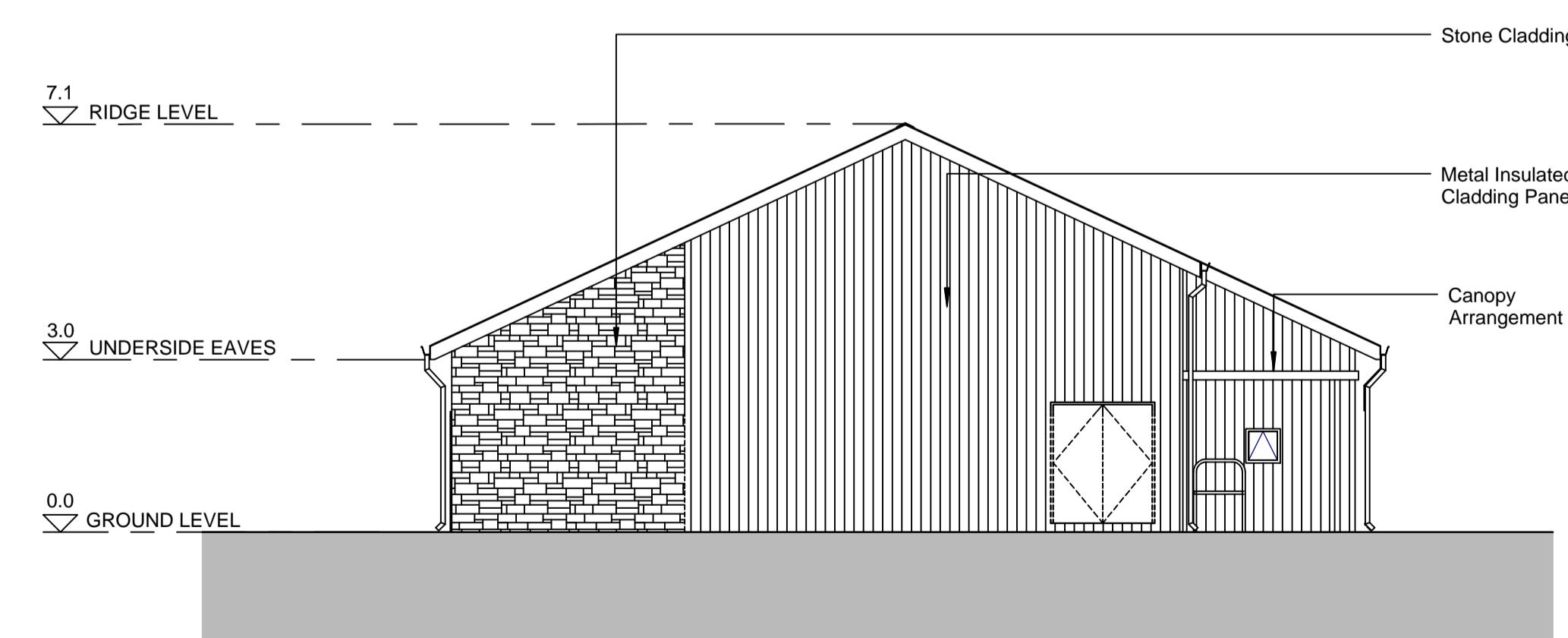
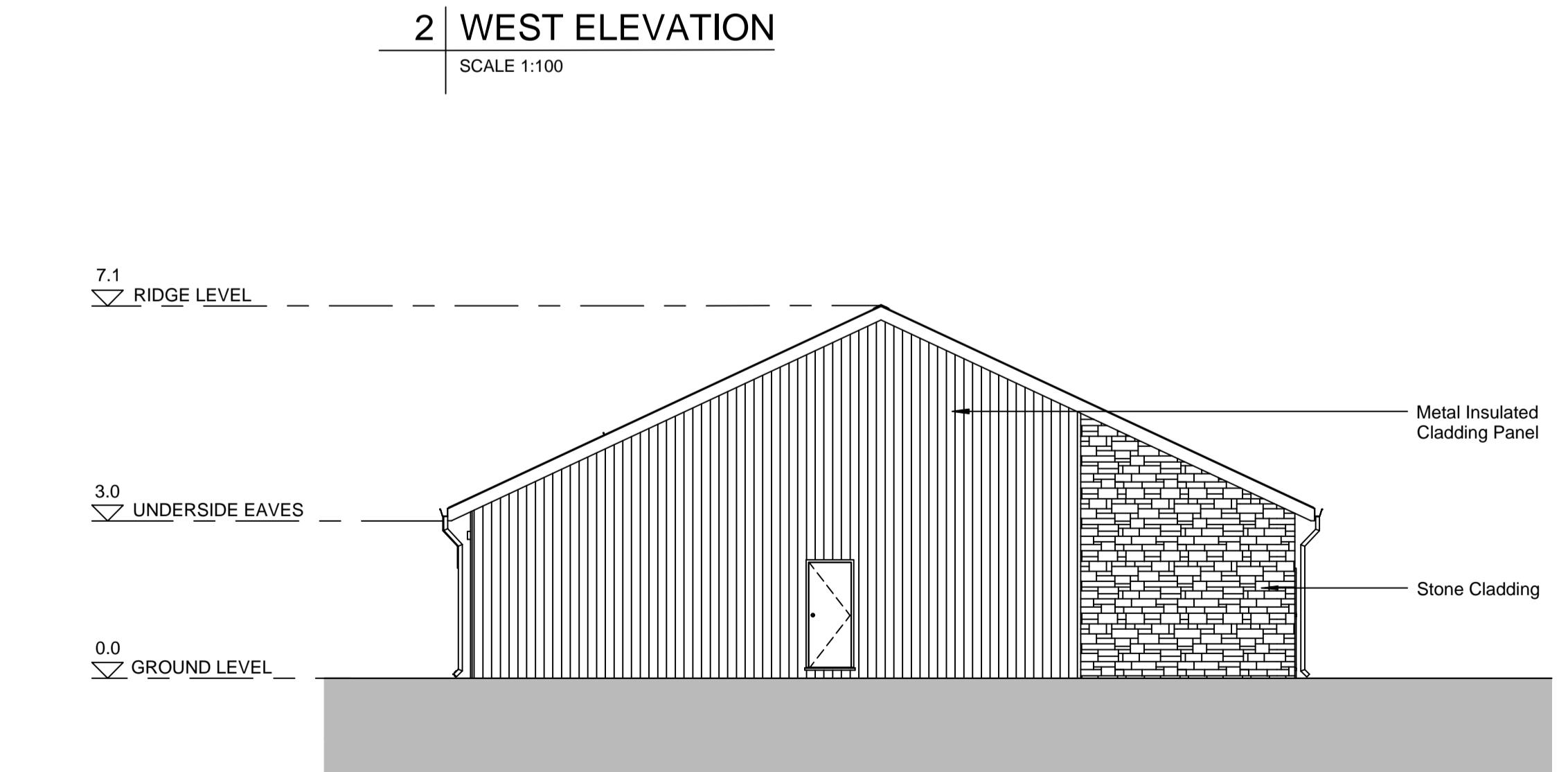
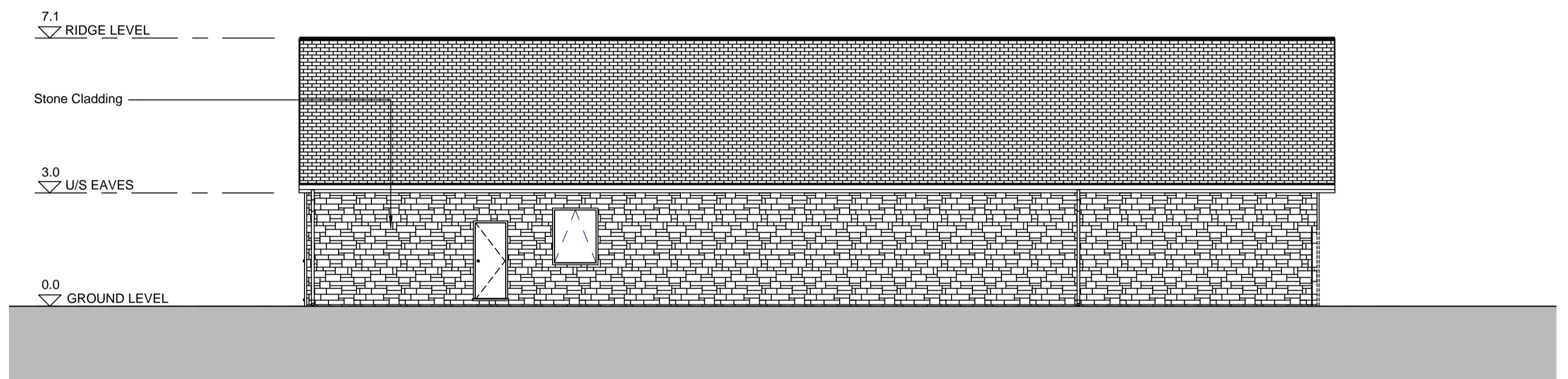
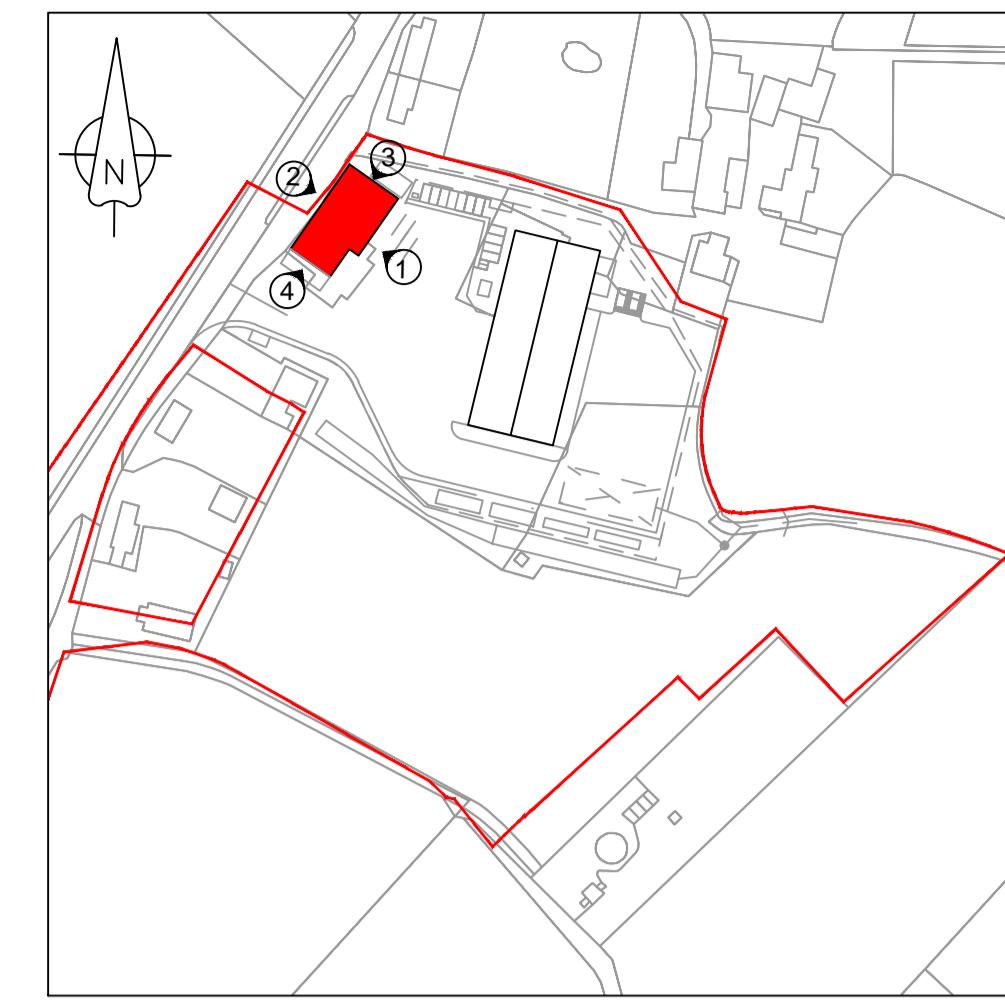
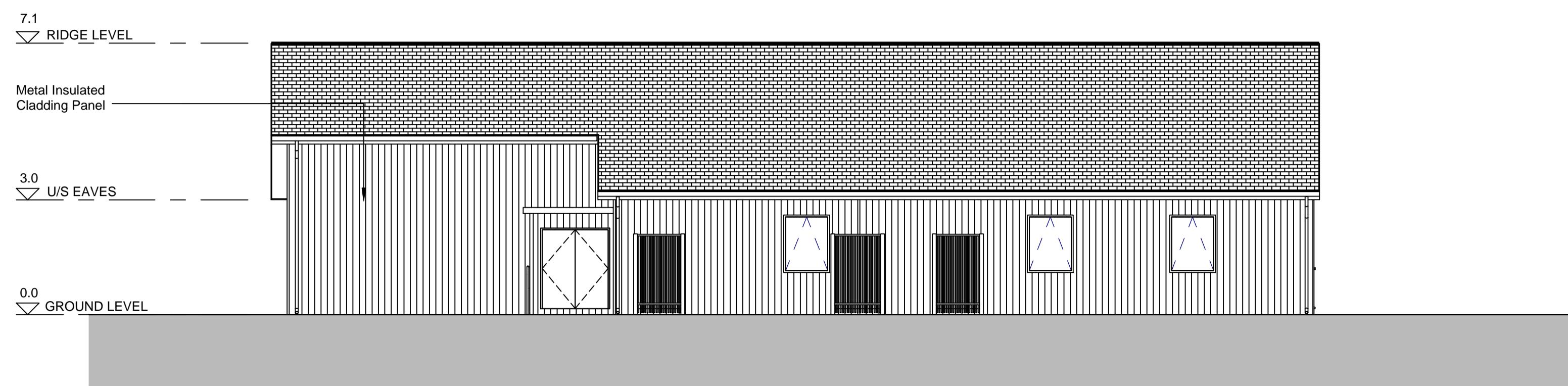
Atgynhyrwyd o fapiau'r Arolwg Ordnans gyda chaniatâd Rheolwr Llyfrfa Ei Mawrhydi © Hawlfraint y Goron.  
Mae atgynhyrchu heb ganiatâd yn torri hawlfraint y Goron a galleg gael eich erlyn neu gallai achos sifil gael ei ddwym yn eich erbyn. Rhif Trwydded yr Arolwg Ordnans 100051118.

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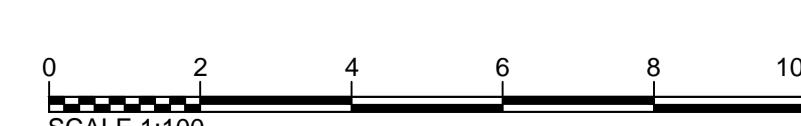
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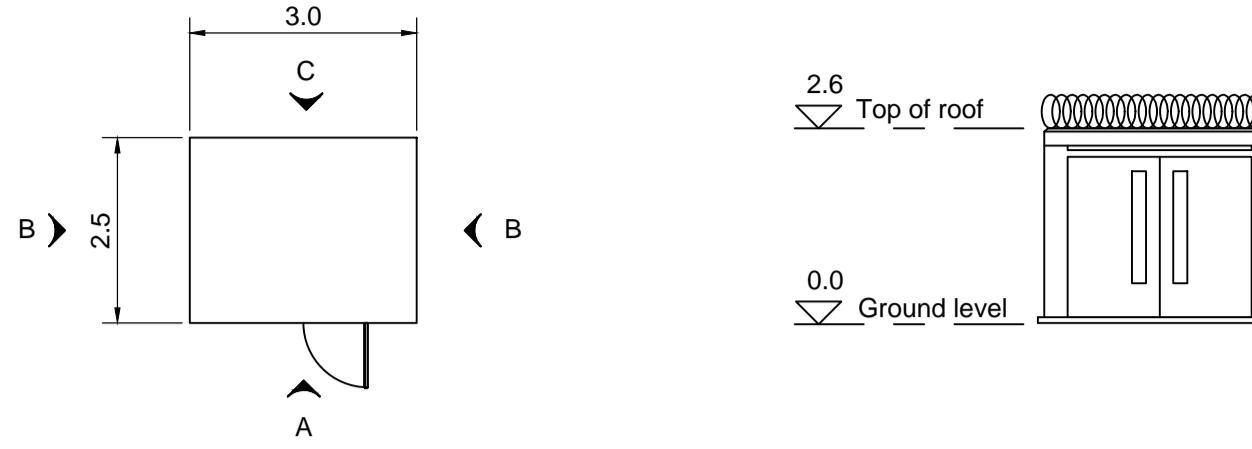
NOTES							
1. All levels are in metres unless noted otherwise.							
LEGEND							
Order Limits							
1.0 MARCH 2018 FOR DCO SUBMISSION HNPWL HNPWL HNPWL							
Rev	Rev. Date	Purpose of revision		Drawn	Checked		
ILLUSTRATIVE							
<b>HORIZON</b> NUCLEAR POWER							
Sunrise House, 1420 Charlton Court, Gloucester Business Park, Gloucester, GL3 4AE, UK Freephone: 0845 300 6816 Email: info@horizonuclearpower.com							
Project							
<b>WYLFA NEWYDD</b> <b>DCO PROJECT</b>							
Drawing Title							
<b>OFF-SITE POWER STATION FACILITIES</b> <b>LLANFAETHLU</b> <b>ENVIRONMENTAL SURVEY LABORATORY</b> <b>ELEVATIONS</b>							
Regulation 5 (2) (o)							
Security Status							
NOT PROTECTIVELY MARKED							
Scale 1:100 Sheet Size A1 Sheet(s) 1 of 1							
0	2	4	6	8	10 m		
Drawing Number WN0902-HZDCO-ADV-DRG-00013 Rev 1.0							
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Mae atgynhyrchu heb ganiatâd yn torri hawlfraint y Goron a galch gael eich erlyn neu gallai achos sifil gael ei ddwyn yn eich erbyn. Rhif Trwydded yr Arolwg Ordinans 100051118.

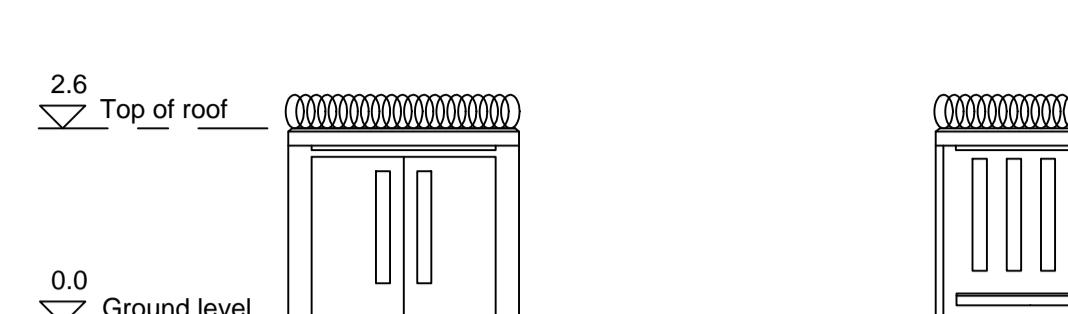
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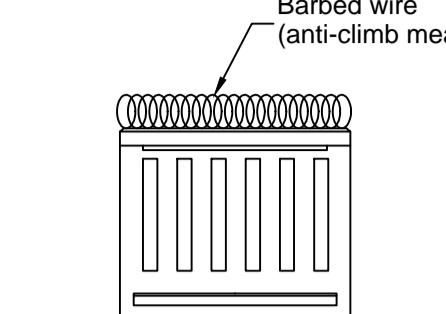
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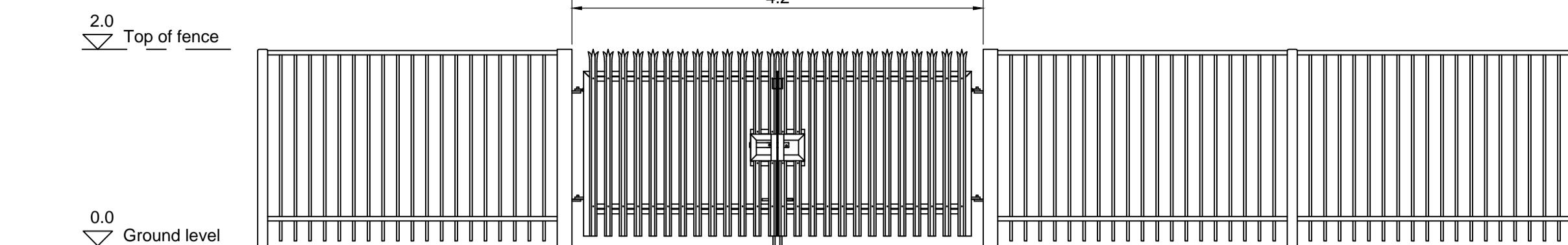
1 SUBSTATION PLAN (BUILDING C)  
1:100



2 ELEVATION A (SUBSTATION)  
1:100

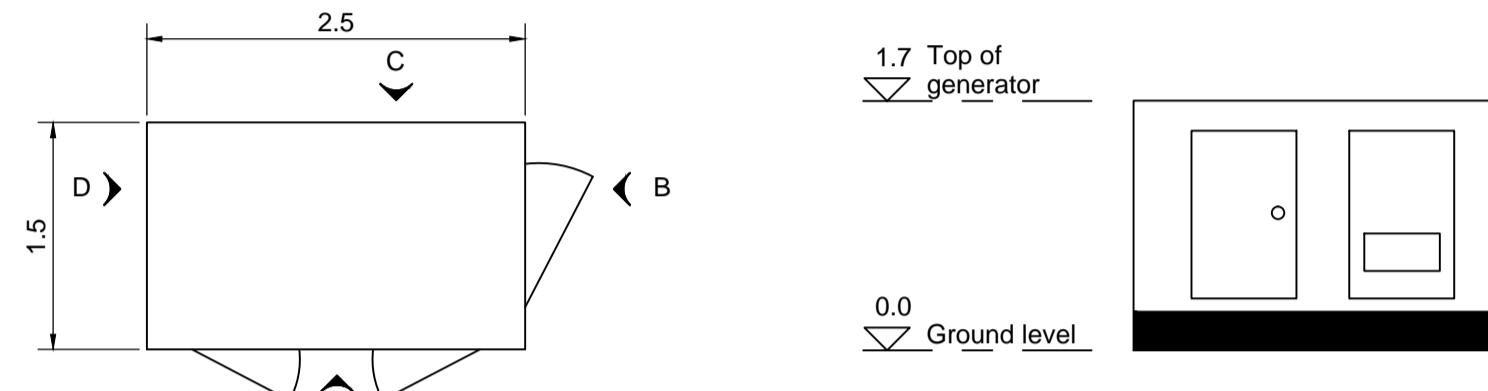


3 ELEVATION B (SUBSTATION)  
1:100

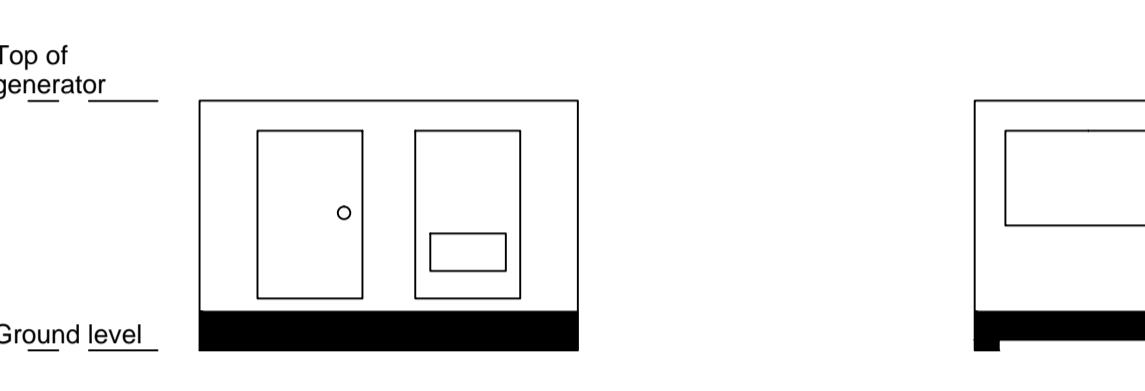


4 ELEVATION C (SUBSTATION)  
1:100

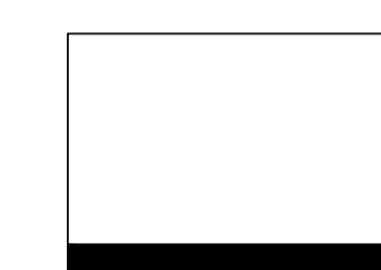
5 TYPICAL ELEVATION ON EXTERNAL PLANT AREA  
COMPOUND PALISADE TYPE FENCING AND GATE  
1:50



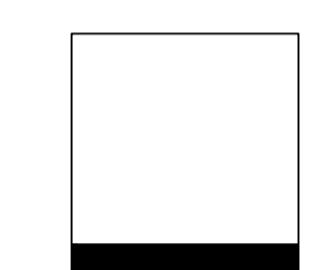
6 GENERATOR PLAN (ELEMENT E)  
1:50



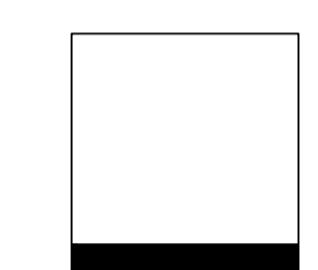
7 ELEVATION A (GENERATOR)  
1:50



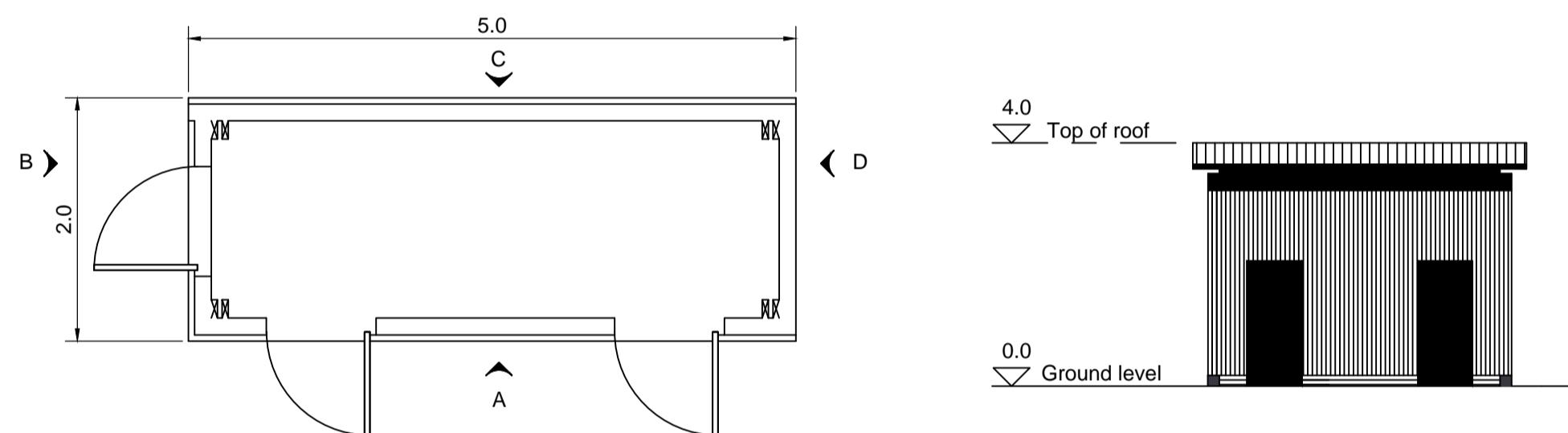
8 ELEVATION B (GENERATOR)  
1:50



9 ELEVATION C (GENERATOR)  
1:50



10 ELEVATION D (GENERATOR)  
1:50



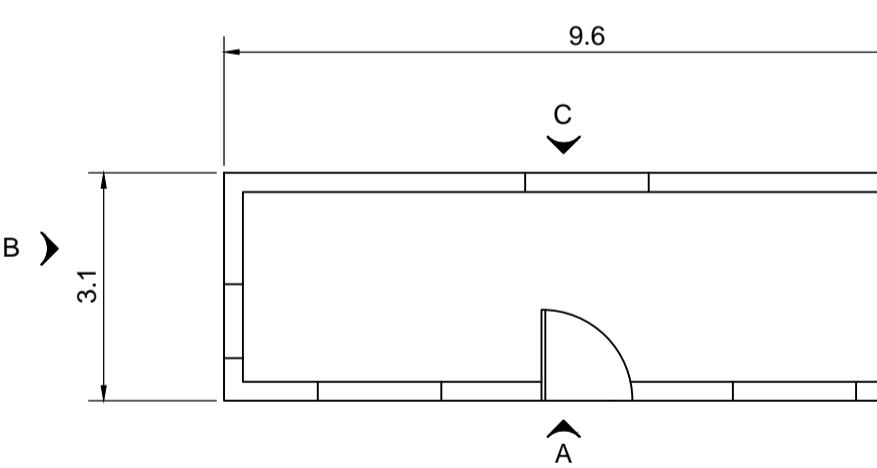
11 SPRINKLER PUMPHOUSE PLAN (BUILDING D)  
1:50

12 ELEVATION A (SPRINKLER PUMPHOUSE)  
1:100

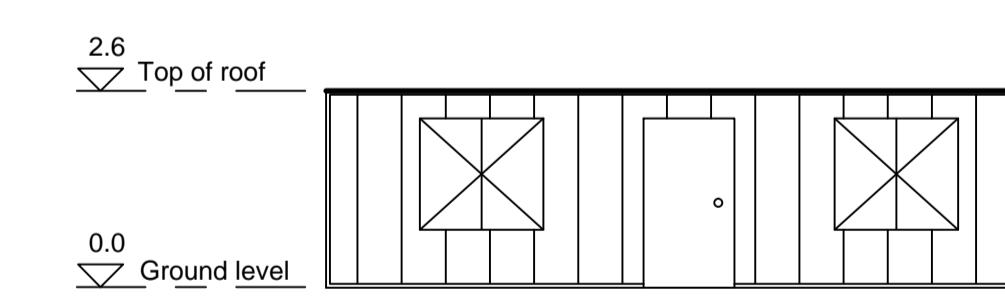
13 ELEVATION B (SPRINKLER PUMPHOUSE)  
1:100

14 ELEVATION C (SPRINKLER PUMPHOUSE)  
1:100

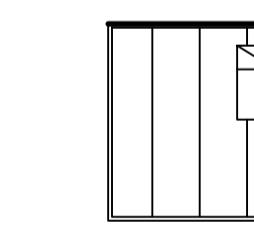
15 ELEVATION D (SPRINKLER PUMPHOUSE)  
1:100



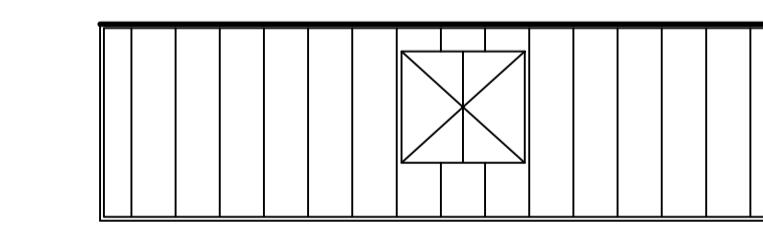
16 PORTACABIN PLAN  
1:100



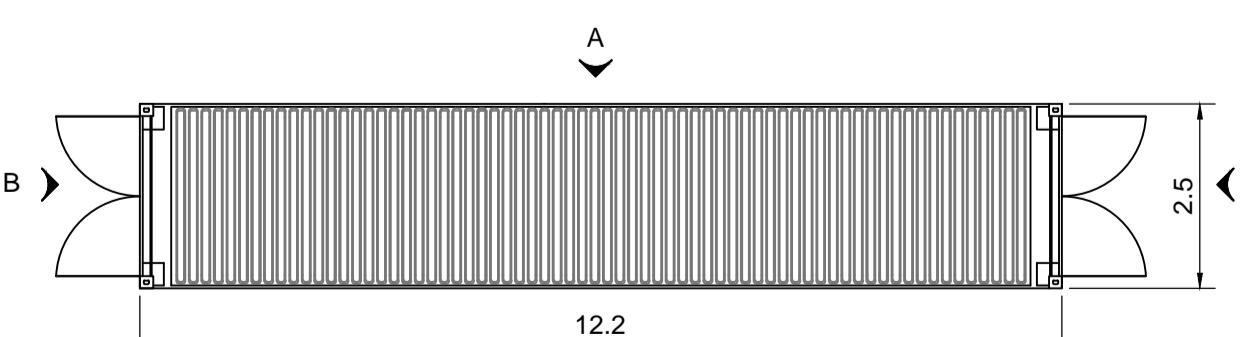
17 ELEVATION A (PORTACABIN)  
1:100



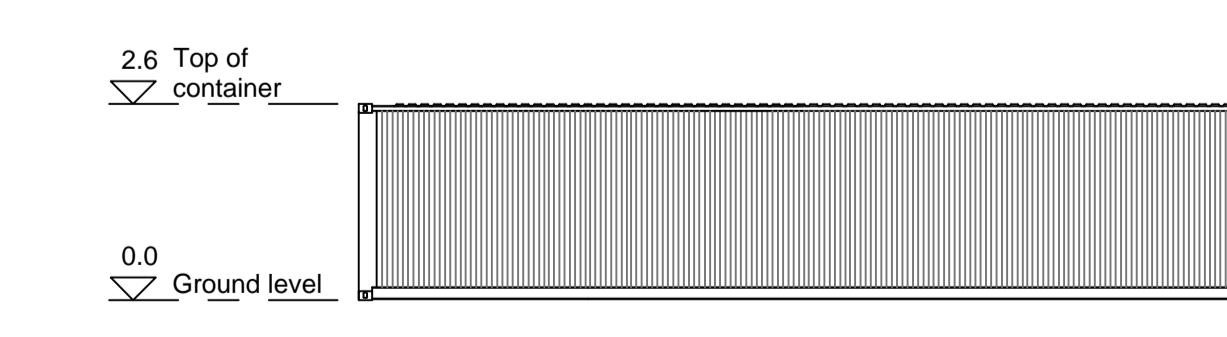
18 ELEVATION B (PORTACABIN)  
1:100



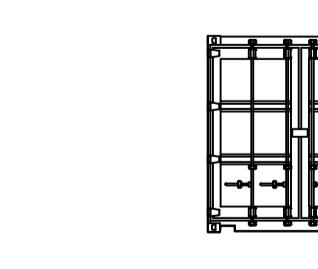
19 ELEVATION C (PORTACABIN)  
1:100



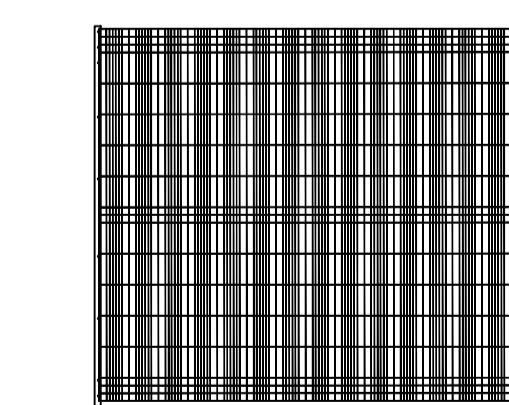
20 SHIPPING CONTAINER PLAN  
1:100



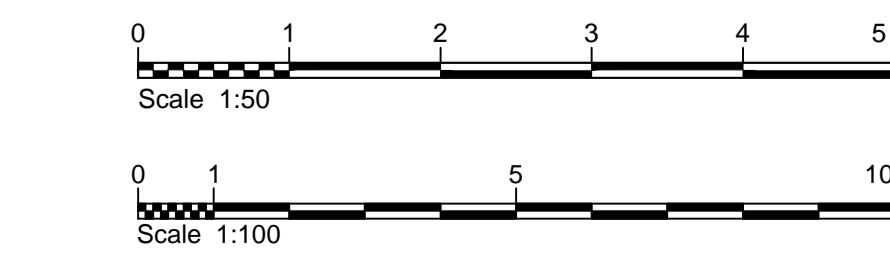
21 ELEVATION A (SHIPPING CONTAINER)  
1:100



22 ELEVATION B (SHIPPING CONTAINER)  
1:100



23 FENCE DETAIL (2.4 HIGH PALADIN TYPE FENCE)  
1:50



NOTES					
1. All Dimensions are in metres unless noted otherwise.					2. All levels are in metres unless noted otherwise.

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked/Approved

ILLUSTRATIVE

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Project  
**WYLFA NEWYDD DCO PROJECT**

Drawing Title  
**OFF-SITE POWER STATION FACILITIES  
LLANFAETHLU  
MISCELLANEOUS BUILDINGS AND  
STRUCTURES - PLANS AND ELEVATIONS**

Regulation 5 (2) (o)

Security Status  
**NOT PROTECTIVELY MARKED**

Scale As Shown Sheet Size A1 Sheet(s) 1 of 1

Drawing Number  
**WN0902-HZDCO-ADV-DRG-00015**

Rev

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