

# Wylfa Newydd Project

## Volume 2: Plans, Sections and Drawings (Part 6/19)

### 2.6.1 Wylfa Newydd Development Area and Power Station Site Plans (Part 2/2)

PINS Reference Number: EN010007

Application Reference Number: 2.6.1

June 2018

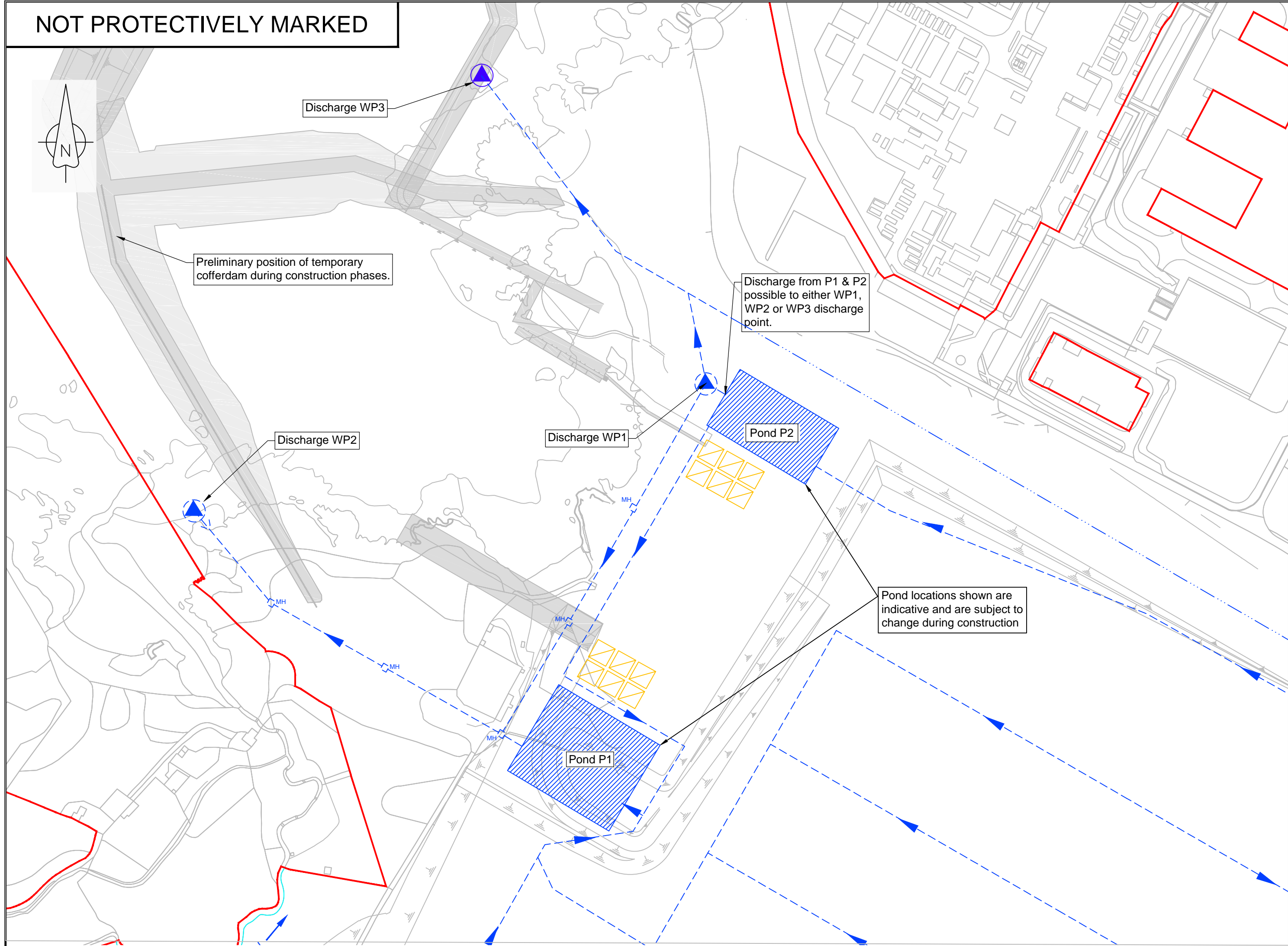
Revision 1.0

Regulation Number: 5(2)(o)

Planning Act 2008

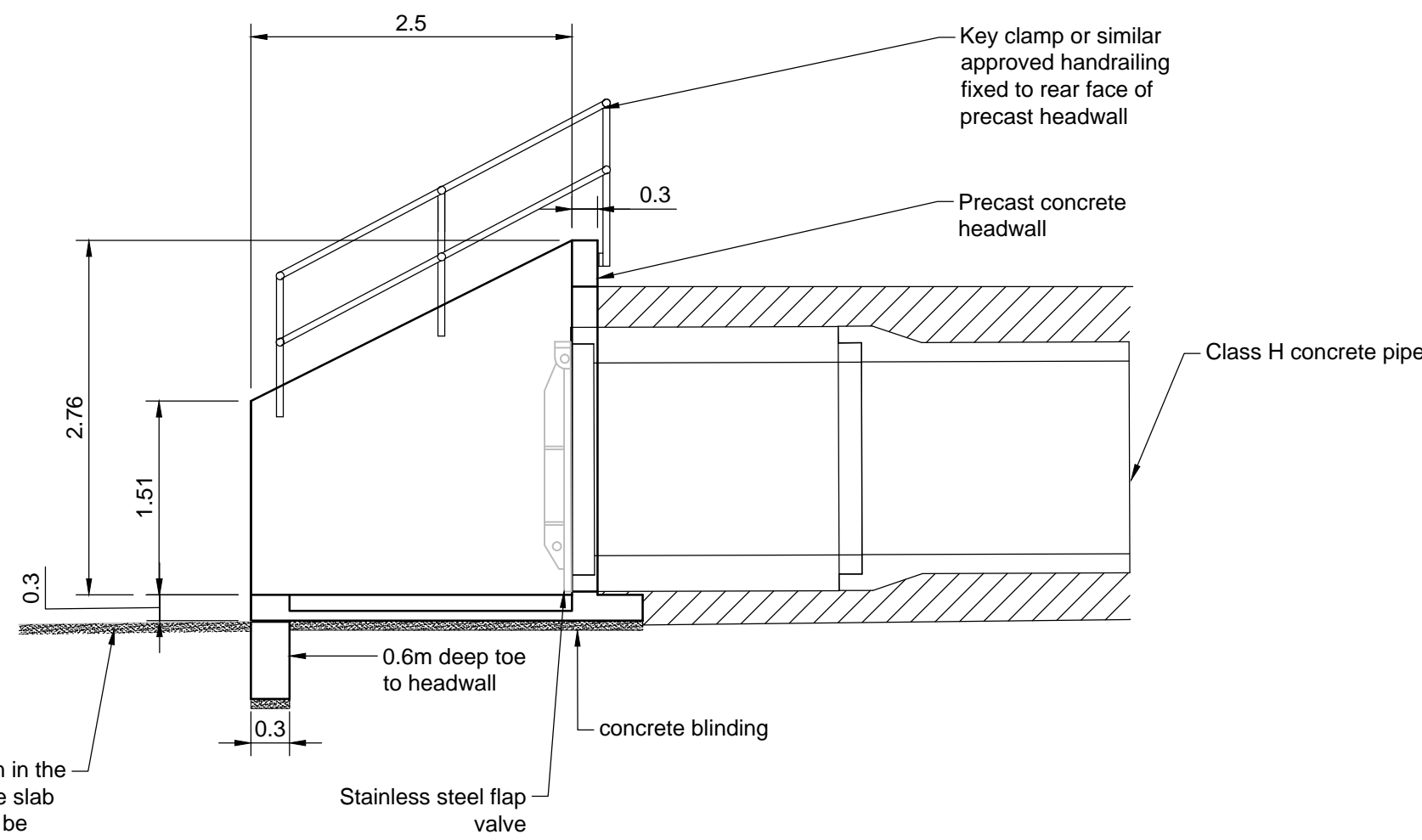
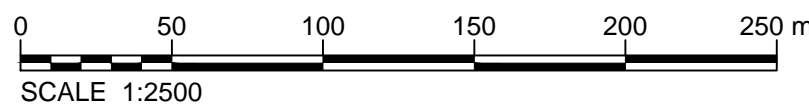
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

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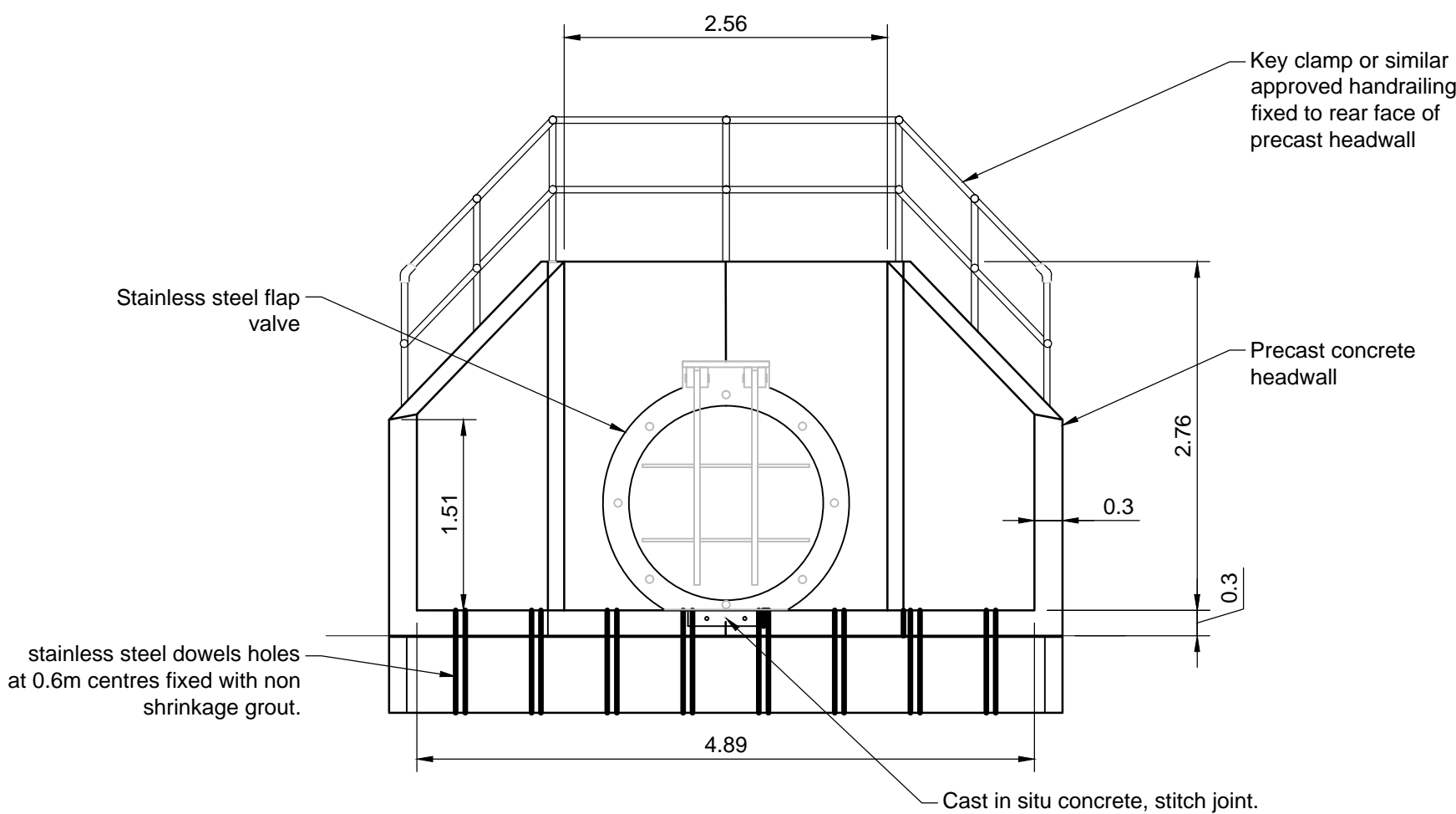
KEY PLAN

1:2500



SECTION B-B

1:50



SECTION A-A

1:50

OUTFALL HEADWALL DETAILS

SCALE 1:50



NOTES

- All dimensions in metres unless otherwise stated.
- Typical sea outfall details for outfalls WP2 and WP3.
- Location and level of outfalls WP2 and WP3 to be confirmed at detail design stage.
- All dimensions are indicative only.

LEGEND

- Order limits
- Sedimentation pond
- Marine works
- Outfall to sea
- Ditch / swale / Pipe
- Security ditch
- Dosing plant indicative position
- Manhole / chamber

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

ILLUSTRATIVE

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**WYLFA NEWYDD DEVELOPMENT AREA  
CONSTRUCTION LANDFORM  
STANDARD DETAILS  
SEA OUTFALLS (OUTFALLS WP2 AND WP3)  
Regulation 5 (2) (o)**

Security Status						
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Scale	As Shown	Sheet Size	A1	Sheet(s)	1 of 1	
Drawing Number					Rev	
WN0902-HZDCO-LFM-DRG-00019					1.0	

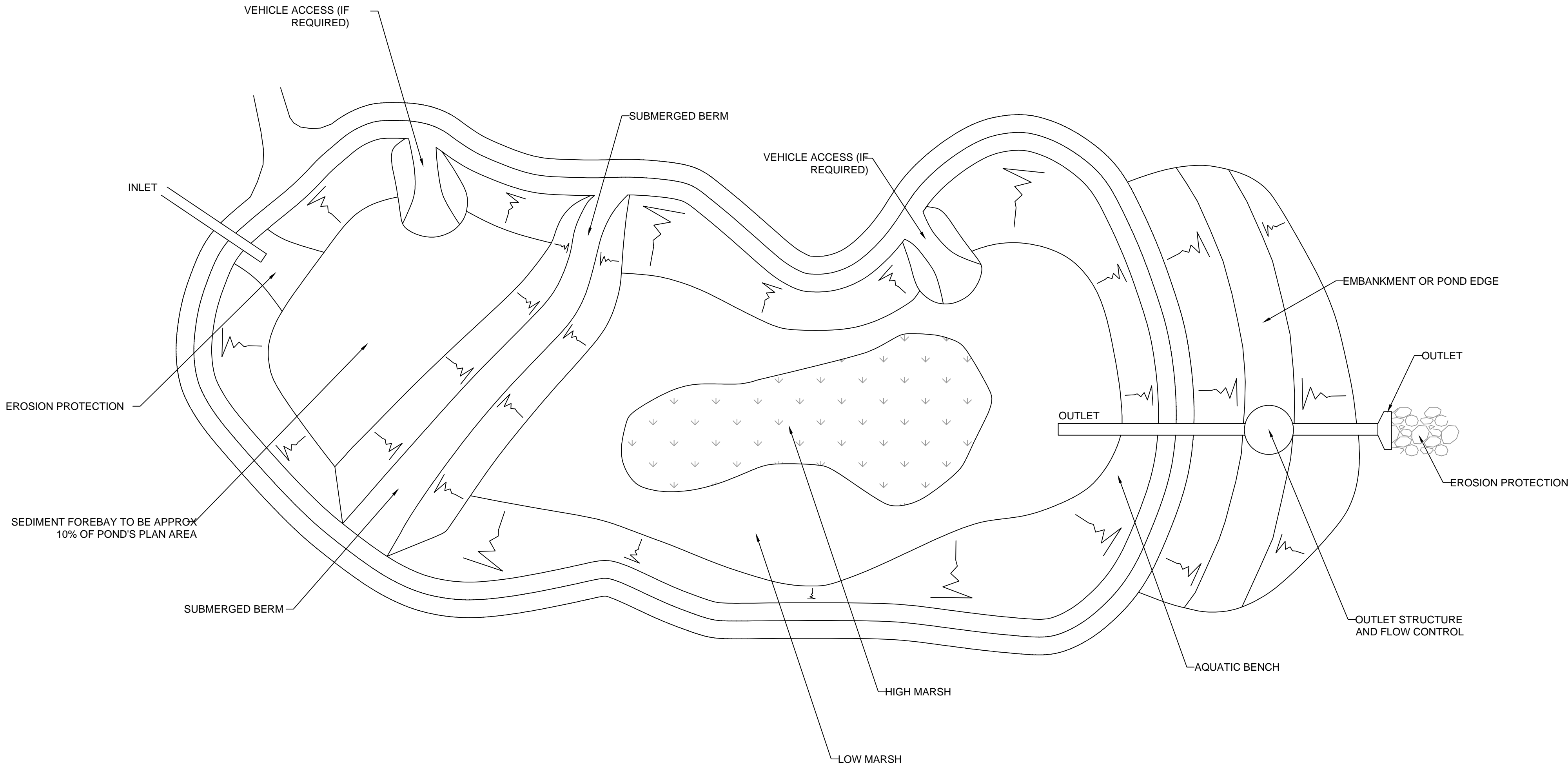
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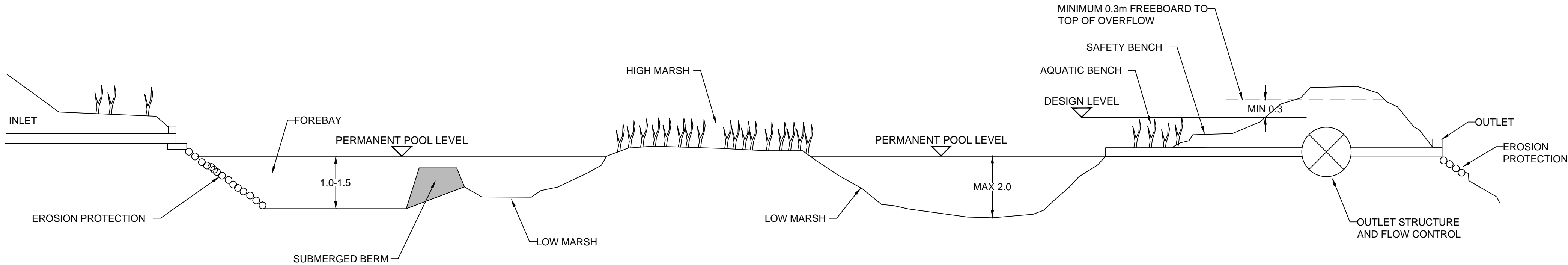
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1. All dimensions in metres unless otherwise stated.
2. For pond locations refer to drawings WN0902-HZDCO-LFM-DRG-00009 and WN0902-HZDCO-LFM-DRG-00013



INDICATIVE PLAN  
Not To Scale



INDICATIVE ELEVATION  
Not To Scale

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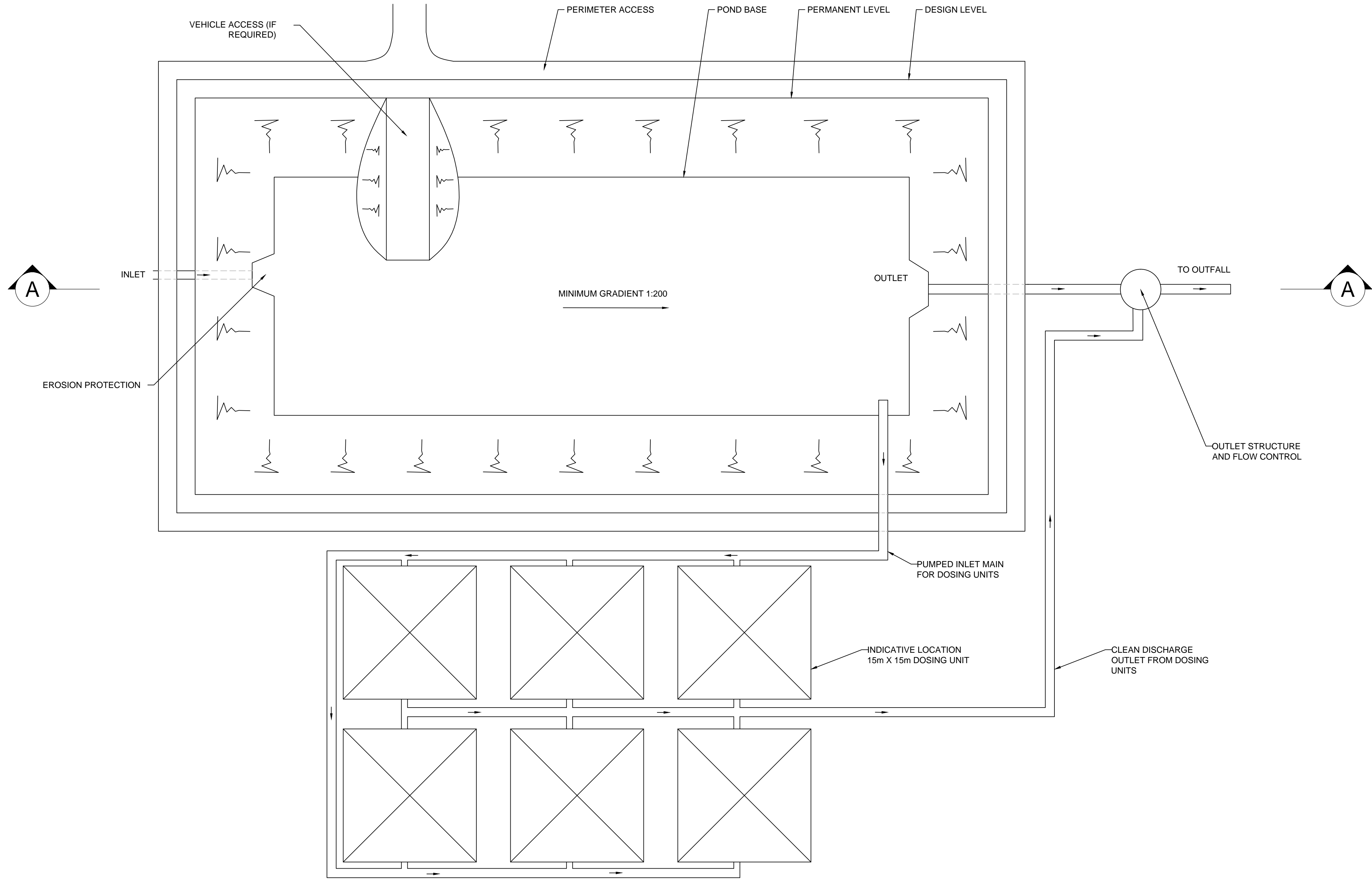
Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**WYLFA NEWYDD DEVELOPMENT AREA  
CONSTRUCTION LANDFORM  
STANDARD DETAILS  
TREATMENT PONDS**

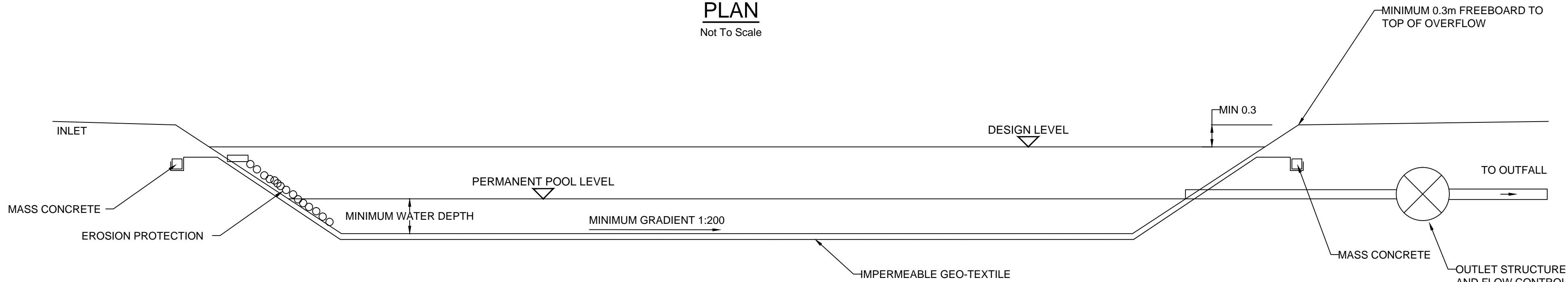
Regulation 5 (2) (o)

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Drawing Number	WN0902-HZDCO-LFM-DRG-00020				Rev 1.0

1. All dimensions in metres unless otherwise stated.  
2. For pond locations refer to drawings WN0902-HZDCO-LFM-DRG-00013.



PLAN  
Not To Scale



SECTION A-A  
Not To Scale

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

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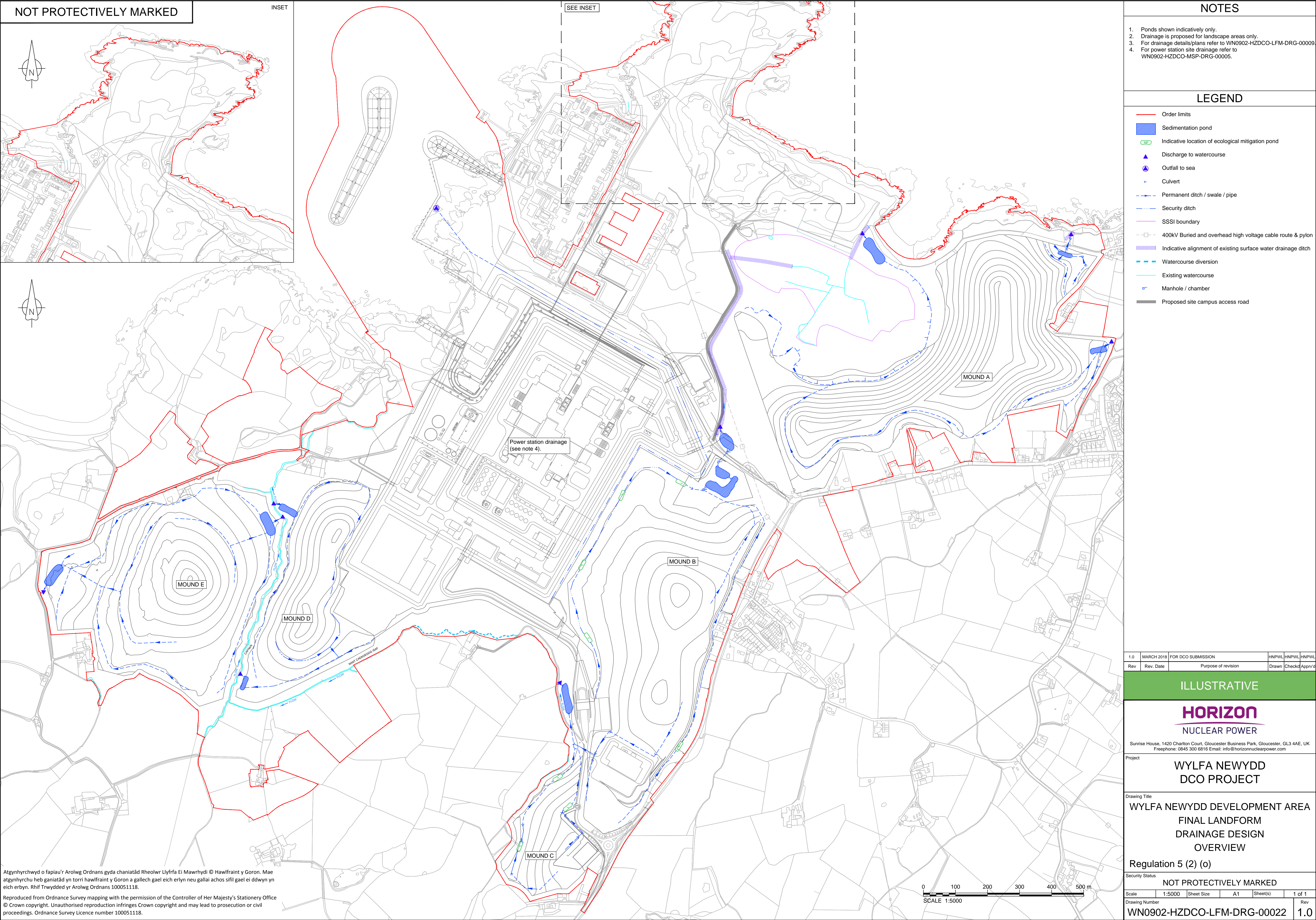
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Project  
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DCO PROJECT**

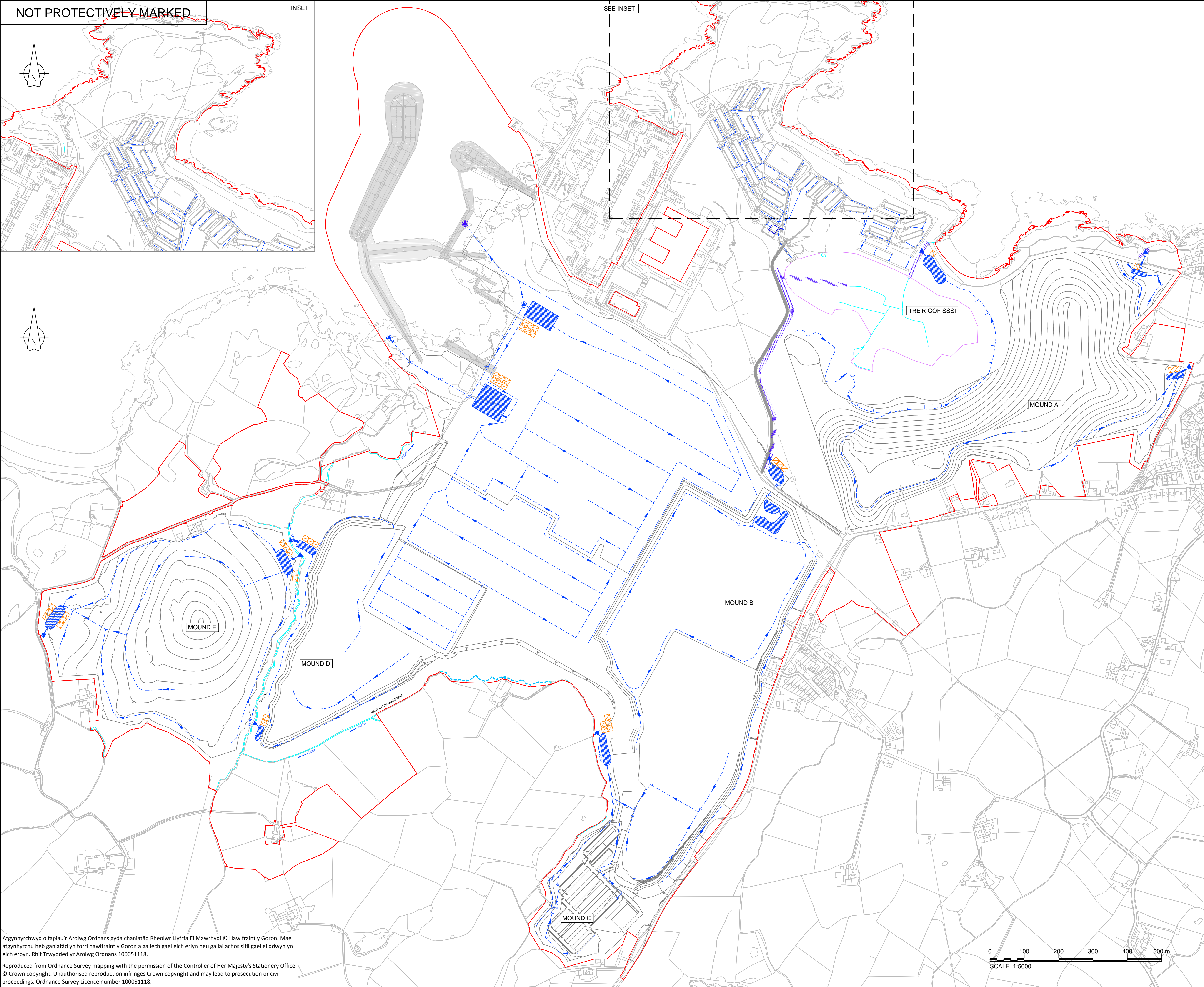
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**WYLFA NEWYDD DEVELOPMENT AREA  
CONSTRUCTION LANDFORM  
STANDARD DETAILS  
TEMPORARY ATTENUATION PONDS**  
Regulation 5 (2) (o)

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Drawing Number	WN0902-HZDCO-LFM-DRG-00021				Rev 1.0









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### NOTES

1. Ponds shown indicatively only.
2. For drainage details/plans refer to WN0902-HZDCO-LFM-DRG-00013.
3. For site campus drainage design refer to WN0902-HZDCO-SCA-DRG-00007.

### LEGEND

- Order Limits
- Sedimentation pond
- Marine works
- Discharge to watercourse
- Outfall to sea
- Culvert
- Permanent ditch / swale / pipe
- Security ditch
- SSSI boundary
- 400kV buried and overhead high voltage cable route
- Indicative alignment of existing surface water drainage ditch
- Watercourse diversion
- Existing watercourse
- Dosing plant indicative position
- Manhole / chamber
- Proposed site campus access road

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

## WYLFA NEWYDD DEVELOPMENT AREA

### CONSTRUCTION LANDFORM

### DRAINAGE DESIGN

### OVERVIEW

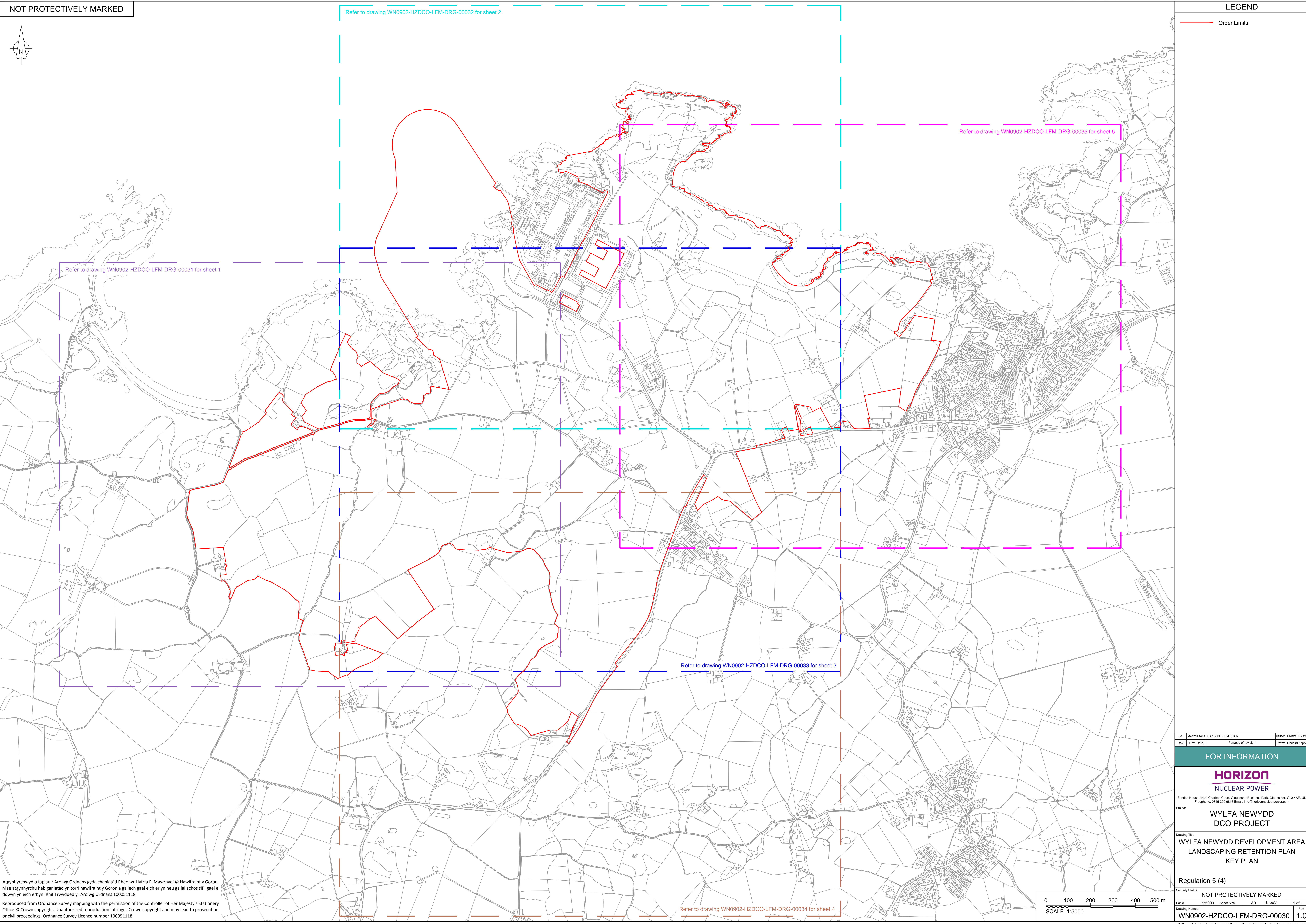
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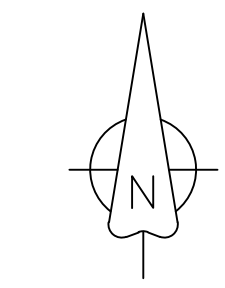
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				1.0	

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LEGEND

Order Limits

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Mae atgynhychu heb ganiatâd yn torri hawlfraint y Goron a gallech gael eich erlyn neu gallai achos sifil gael ei  
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Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**WYLFA NEWYDD DEVELOPMENT AREA  
LANDSCAPING RETENTION PLAN  
KEY PLAN**

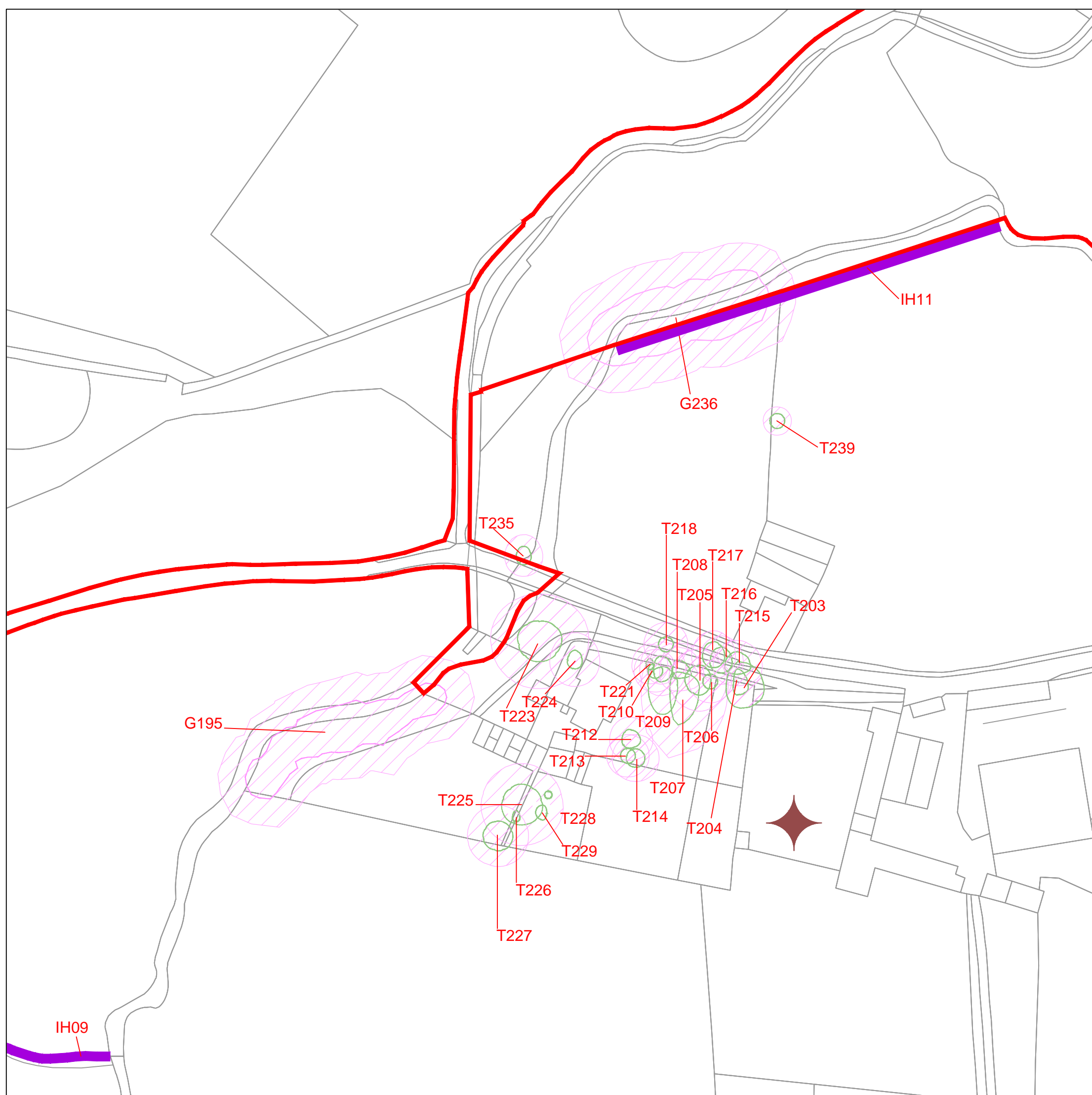
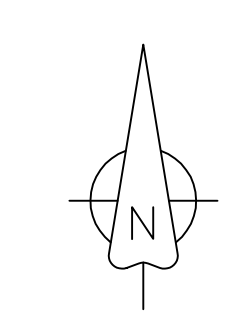
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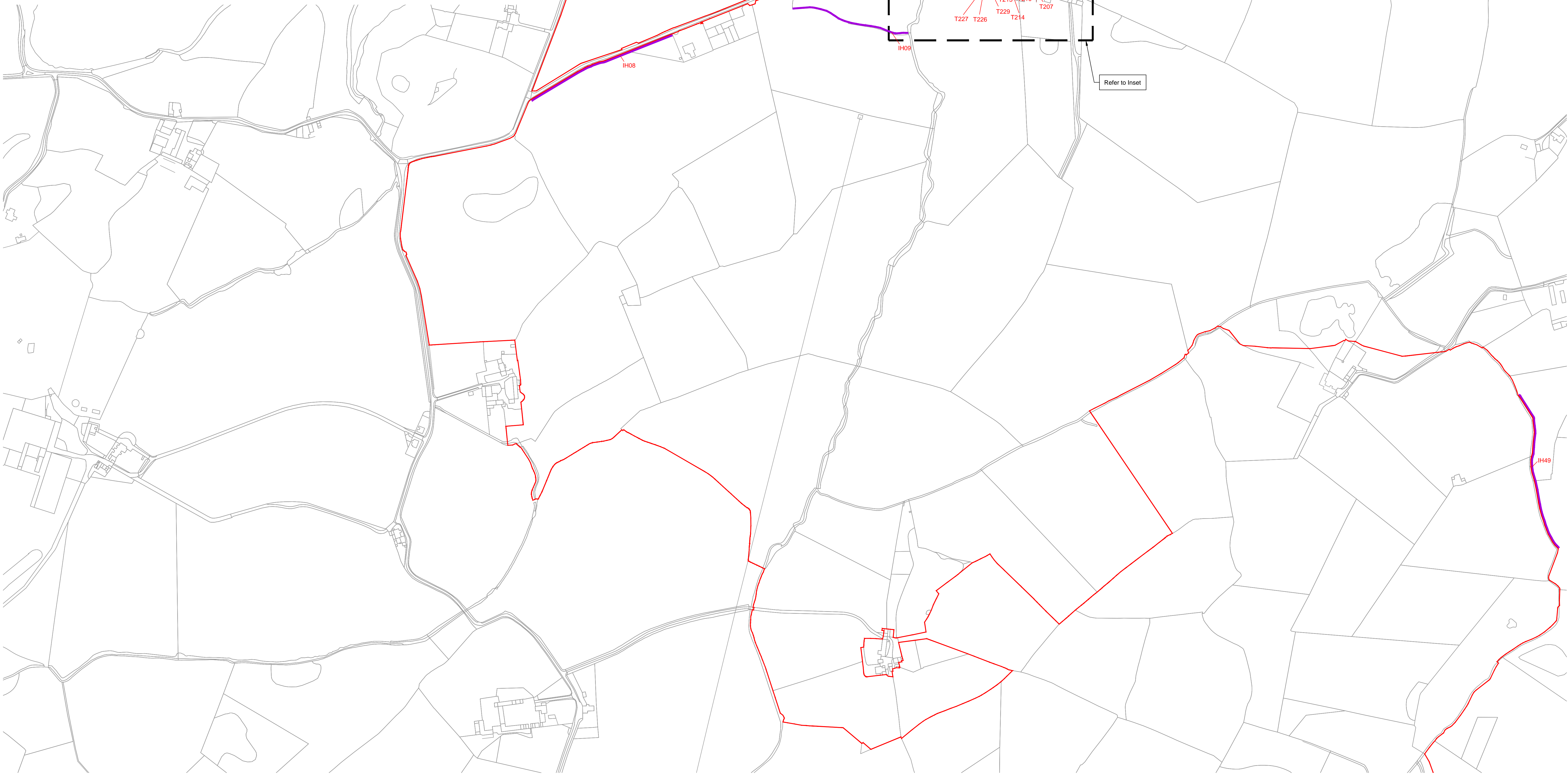
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INSET  
Scale 1:1000

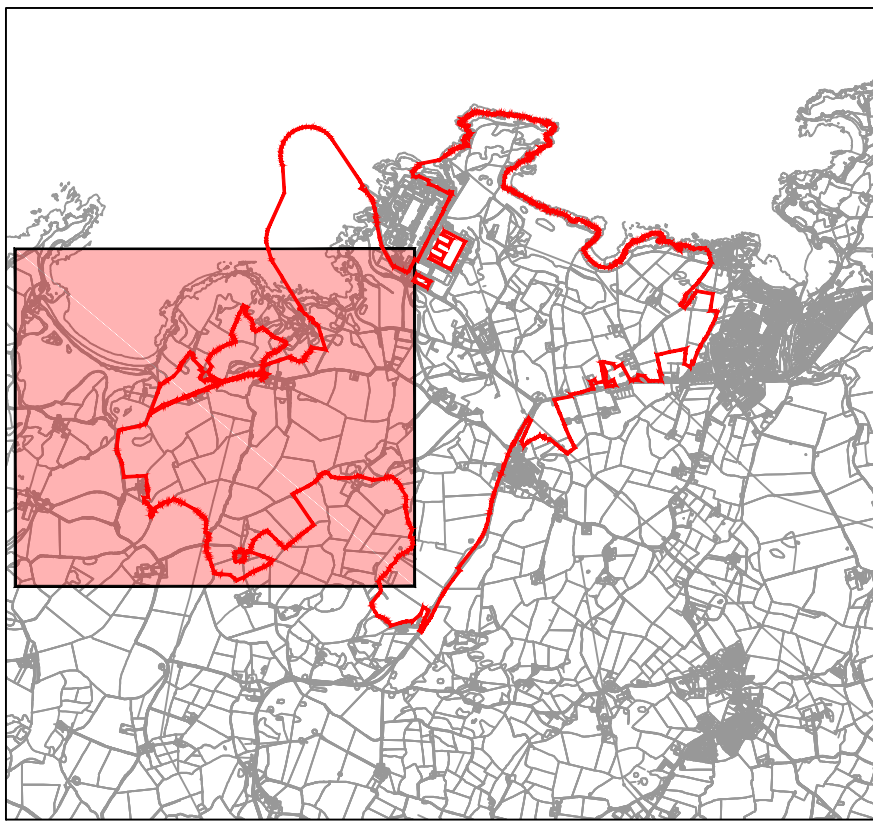


PLAN  
Scale 1:2500

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Mae atgynhychu heb ganiatâd yn torri hawffrwyd y Goron a gallech gael eich erlyn neu gallai achos siffl gael ei  
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## OVERVIEW



Not To Scale

## NOTES

- The locations of features shown are indicative only exact location to be confirmed on site.
- Additional features may be present on site that have not been identified on the topographical plan.
- This drawing is based on Arboricultural survey updates undertaken in August 2016 and May 2017.
- Areas identified as existing habitats will be managed in accordance with the principles in the Landscape and Habitat Management Strategy (LHMS).
- For Retained Feature References see the Tree Surveys at Appendix A of the Landscape and Habitat Management Strategy (Application Reference Number: 8.16).
- When retention is identified outside of Order Limits this is to show the extent of the retention.

## LEGEND

- Order Limits
- Retained Batbarn / Wildlife Tower  
To include a 10m Offset
- Tree - Individual
- Tree - Group
- Root Protection Area
- Retained Feature Ref
- Important Hedgerow  
(Hedgerow Regulations 1997)  
To be retained

1.0	MAY 2018	FOR DCO SUBMISSION	HNPL	HNPL	HNPL
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Project  
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Drawing Title  
**WYLFA NEWYDD DEVELOPMENT AREA  
LANDSCAPING RETENTION PLAN  
SHEET 1**

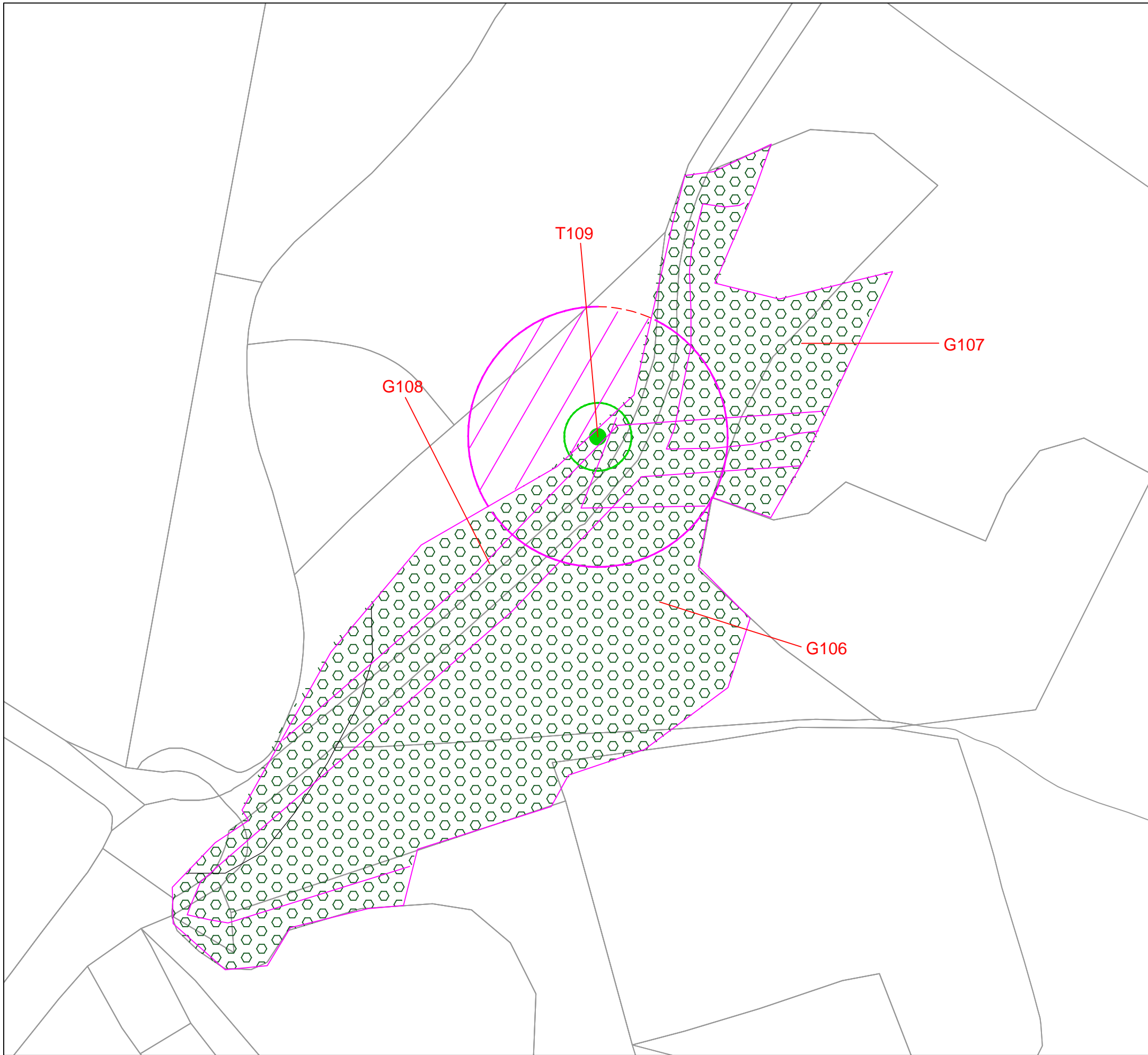
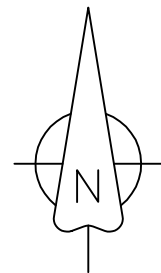
Regulation 5 (2) (o)

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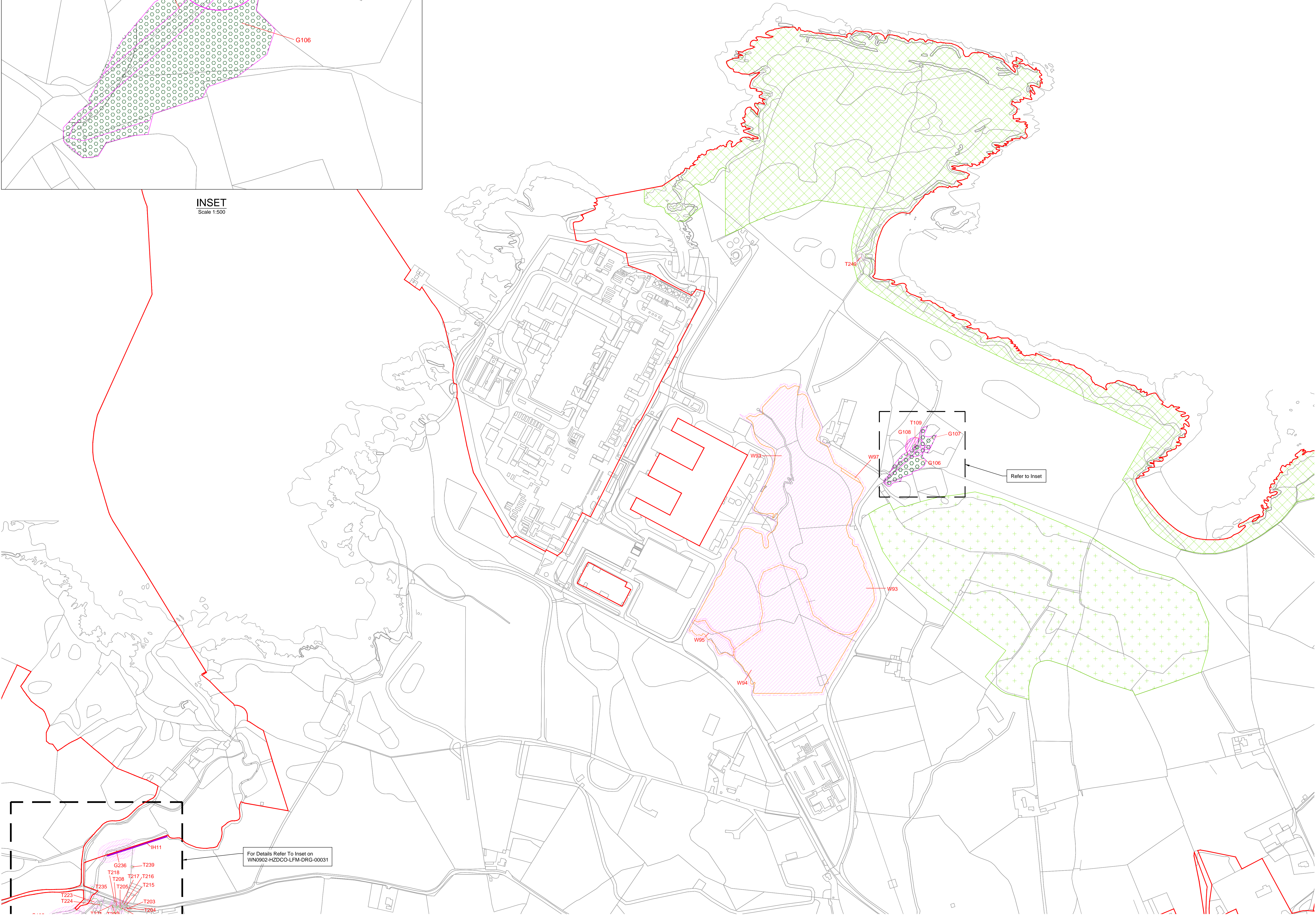
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Drawing Number	WN0902-HZDCO-LFM-DRG-00031	Rev	1.0		

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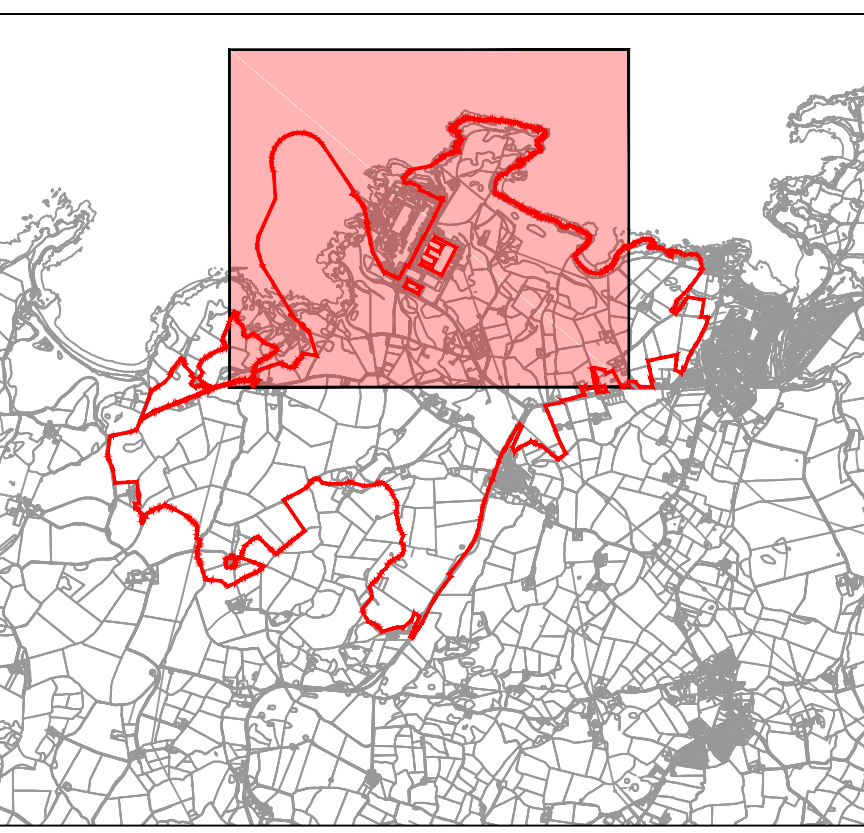


INSET  
Scale 1:500



PLAN  
Scale 1:2500

OVERVIEW



Not To Scale

NOTES

1. The locations of features shown are indicative only exact location to be confirmed on site.
2. Additional features may be present on site that have not been identified on the topographical plan.
3. This drawing is based on Arboricultural survey updates undertaken in August 2016 and May 2017.
4. Areas identified as existing habitats will be managed in accordance with the principles in the Landscape and Habitat Management Strategy (LHMS).
5. For Retained Feature References see the Tree Surveys at Appendix A of the Landscape and Habitat Management Strategy (Application Reference Number: 8.16).
6. When retention is identified outside of Order Limits this is to show the extent of the retention.

LEGEND

- Order Limits
- Ancient Woodland
- Boundary of Existing Chough Foraging Habitat (See note 4)
- Boundary of Existing SSSI Habitat (See note 4)
- Tree - Individual
- Tree - Group
- Woodland
- Root Protection Area
- Retained Feature Ref
- Important Hedgerow (Hedgerow Regulations 1997) To be retained

1.0	MAY 2018	FOR DCO SUBMISSION	HNPL	HNPL	HNPL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Project  
WYLFA NEWYDD  
DCO PROJECT

Drawing Title  
WYLFA NEWYDD DEVELOPMENT AREA  
LANDSCAPING RETENTION PLAN  
SHEET 2

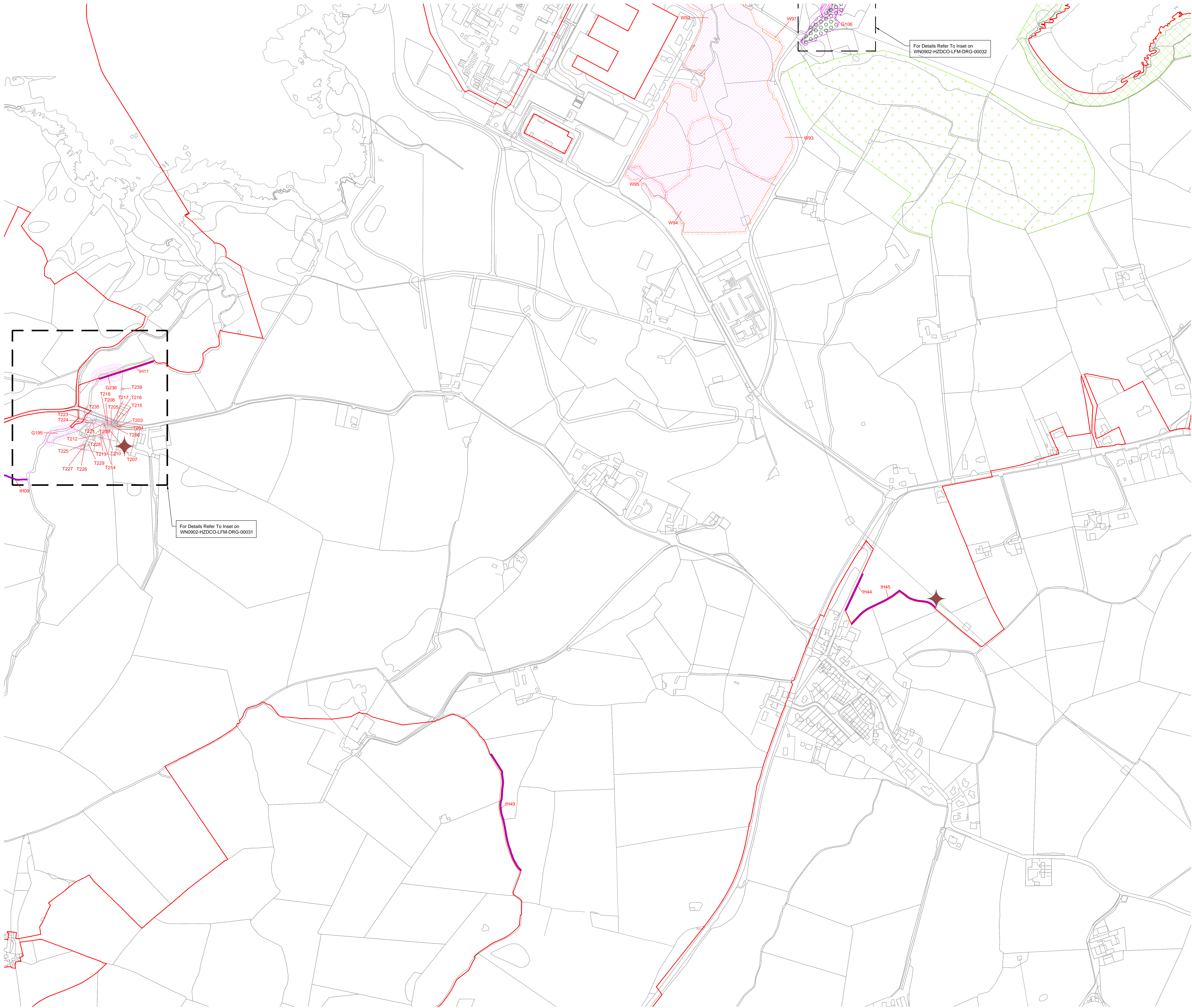
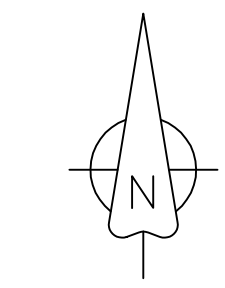
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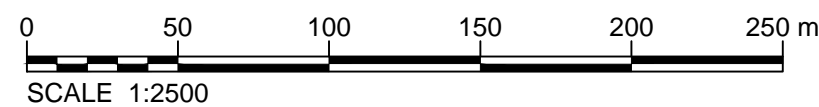




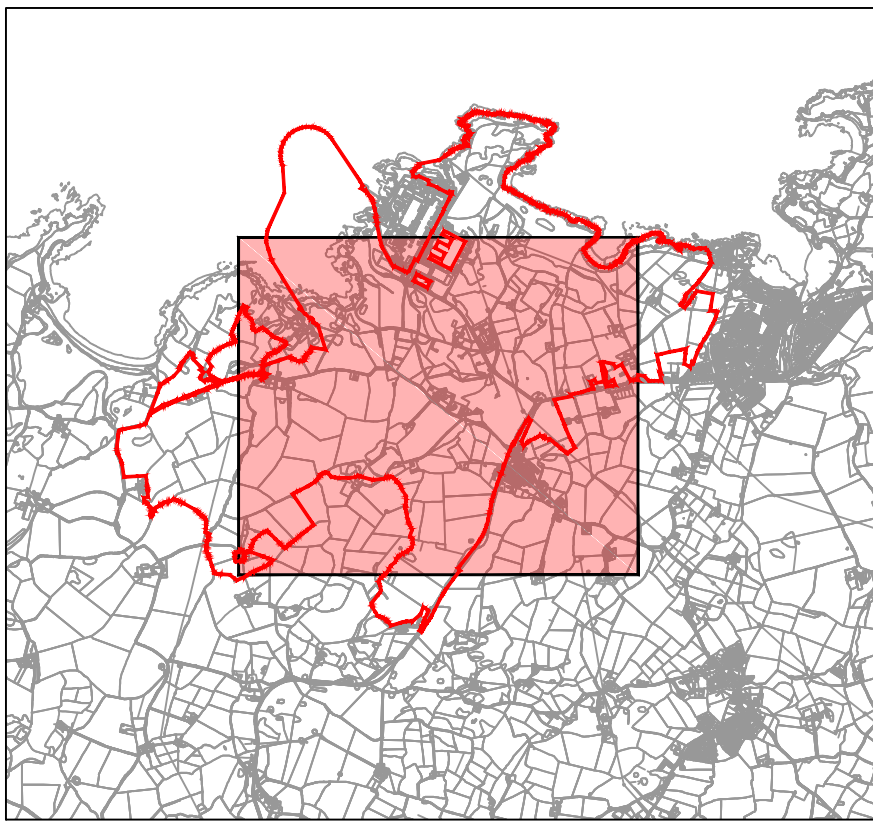


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OVERVIEW



Not To Scale

NOTES

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2. Additional features may be present on site that have not been identified on the topographical plan.
3. This drawing is based on Arboricultural survey updates undertaken in August 2016 and May 2017.
4. Areas identified as existing habitats will be managed in accordance with the principles in the Landscape and Habitat Management Strategy (LHMS).
5. For Retained Feature References see the Tree Surveys at Appendix A of the Landscape and Habitat Management Strategy (Application Reference Number: 8.16).
6. When retention is identified outside of Order Limits this is to show the extent of the retention.

LEGEND

- Order Limits
- Ancient Woodland
- Boundary of Existing Chough Foraging Habitat (See note 4)
- Boundary of Existing Tre'r Gof Habitat (See note 4)
- Retained Batbarn / Wildlife Tower To include a 10m Offset
- Tree - Individual
- Tree - Group
- Woodland
- Root Protection Area
- Retained Feature Ref
- Important Hedgerow (Hedgerow Regulations 1997) To be retained

1.0	MAY 2018	FOR DCO SUBMISSION	HNPL	HNPL	HNPL
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Drawing Title  
**WYLFA NEWYDD DEVELOPMENT AREA  
LANDSCAPING RETENTION PLAN  
SHEET 3**

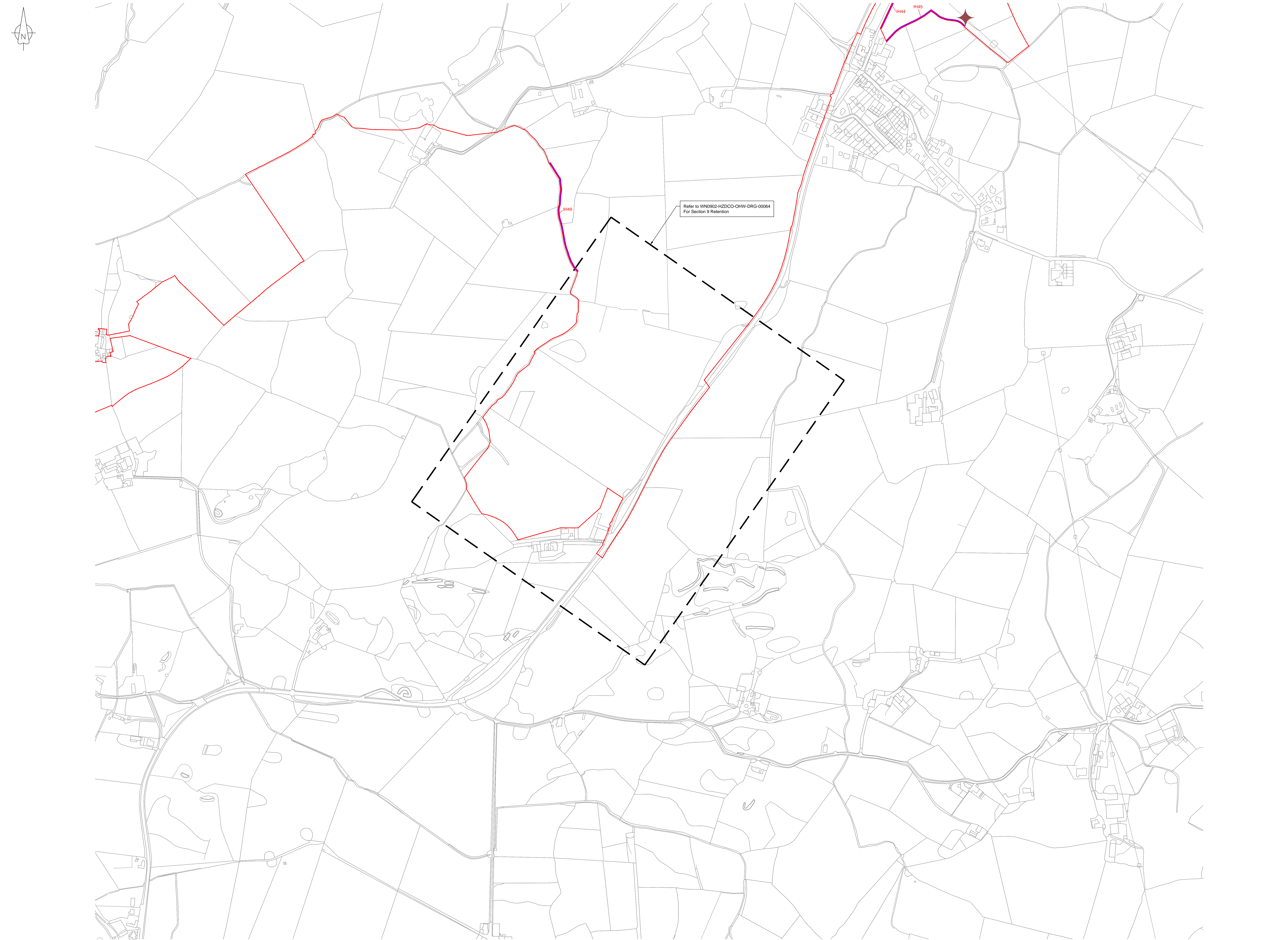
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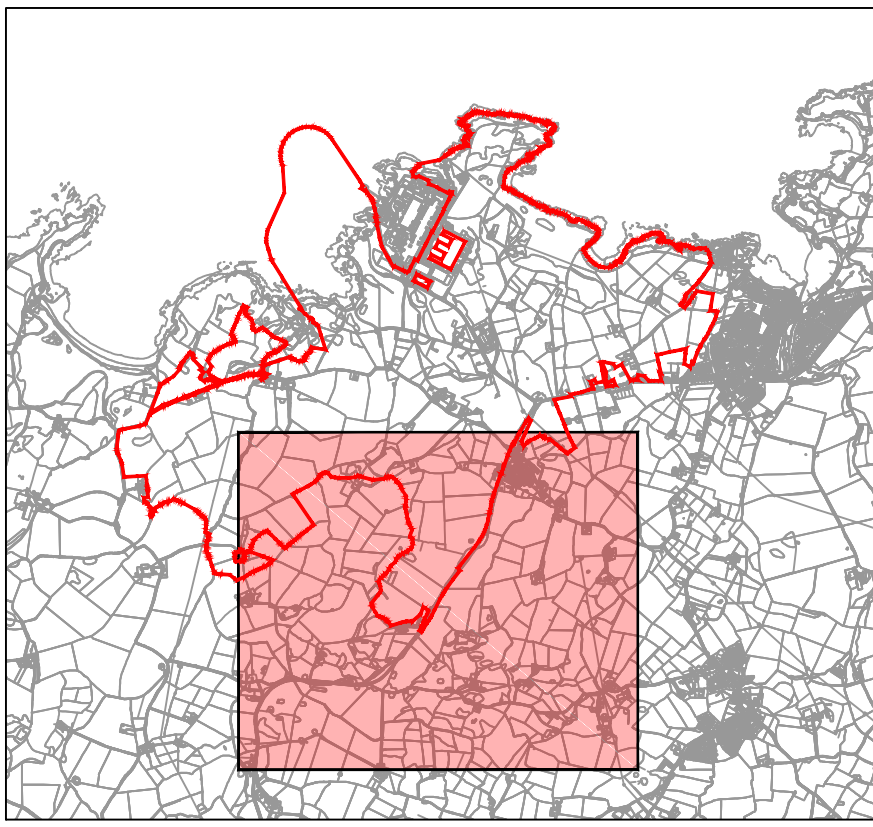
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OVERVIEW



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NOTES

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- Additional features may be present on site that have not been identified on the topographical plan.
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- Areas identified as existing habitats will be managed in accordance with the principles in the Landscape and Habitat Management Strategy (LHMS).
- For Retained Feature References see the Tree Surveys at Appendix A of the Landscape and Habitat Management Strategy (Application Reference Number: 8.16).
- When retention is identified outside of Order Limits this is to show the extent of the retention.

LEGEND

- Order Limits
- Retained Batbarn / Wildlife Tower  
To include a 10m Offset
- Important Hedgerow  
(Hedgerow Regulations 1997)  
To be retained

1.0	MAY 2018	FOR DCO SUBMISSION	HNPNL	HNPNL	HNPNL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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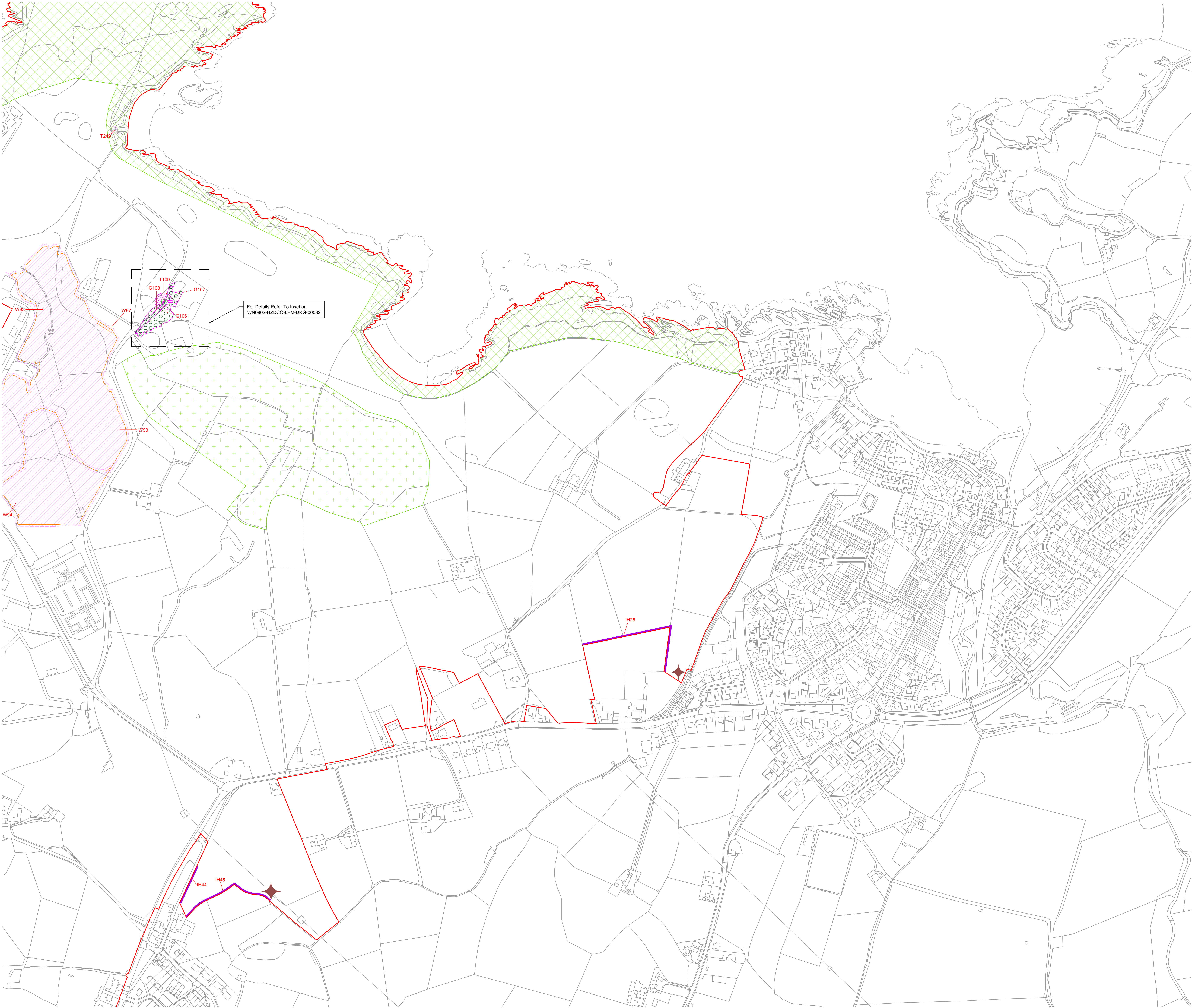
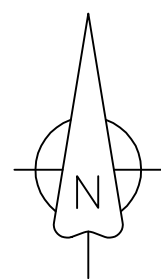
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LANDSCAPING RETENTION PLAN  
SHEET 4**

Regulation 5 (2) (o)

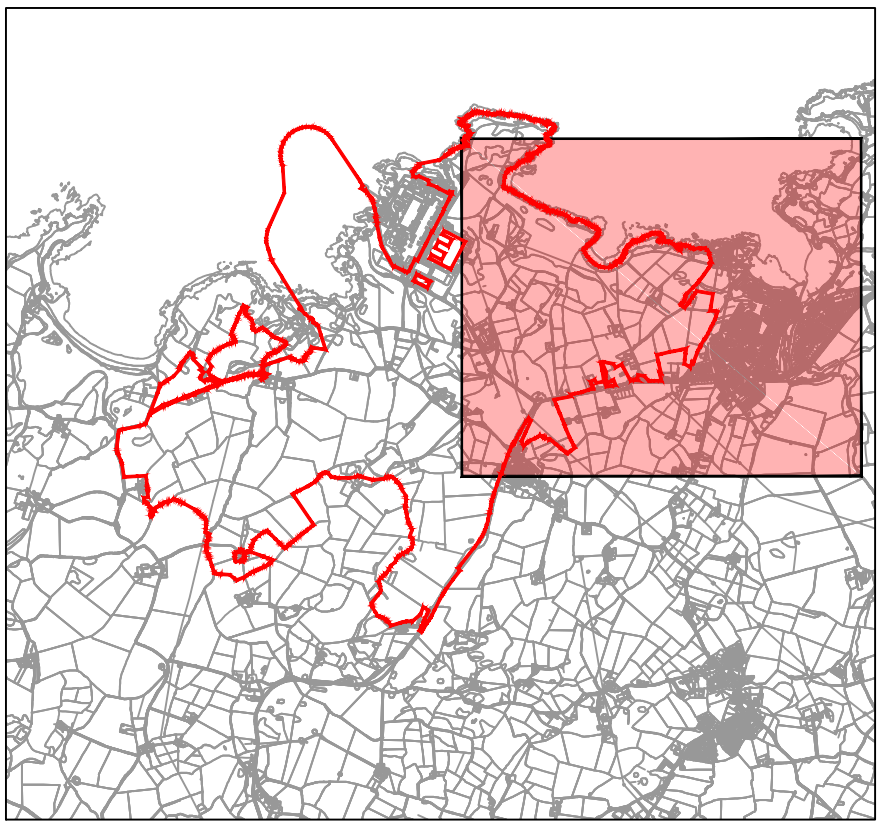
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Drawing Number	WN0902-HZDCO-LFM-DRG-00034	Rev	1.0		





OVERVIEW



NOTES

1. The locations of features shown are indicative only exact location to be confirmed on site.
2. Additional features may be present on site that have not been identified on the topographical plan.
3. This drawing is based on Arboricultural survey updates undertaken in August 2016 and May 2017.
4. Areas identified as existing habitats will be managed in accordance with the principles in the Landscape and Habitat Management Strategy (LHMS).
5. For Retained Feature References see the Tree Surveys at Appendix A of the Landscape and Habitat Management Strategy (Application Reference Number: 8.16).
6. When retention is identified outside of Order Limits this is to show the extent of the retention.

LEGEND

- Order Limits
- Ancient Woodland
- Boundary of Existing Chough Foraging Habitat (See note 4)
- Boundary of Existing Tre'r Gof Habitat (See note 4)
- Retained Batbarn / Wildlife Tower To include a 10m Offset
- Tree - Individual
- Tree - Group
- Woodland
- Root Protection Area
- Retained Feature Ref
- Important Hedgerow (Hedgerow Regulations 1997) To be retained

1.0	MAY 2018	FOR DCO SUBMISSION	HNPL	HNPL	HNPL
Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Project  
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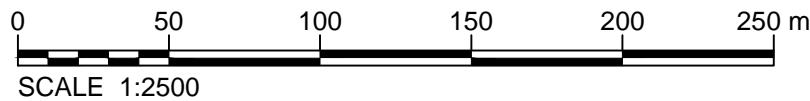
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**WYLFA NEWYDD DEVELOPMENT AREA  
LANDSCAPING RETENTION PLAN  
SHEET 5**

Regulation 5 (2) (o)

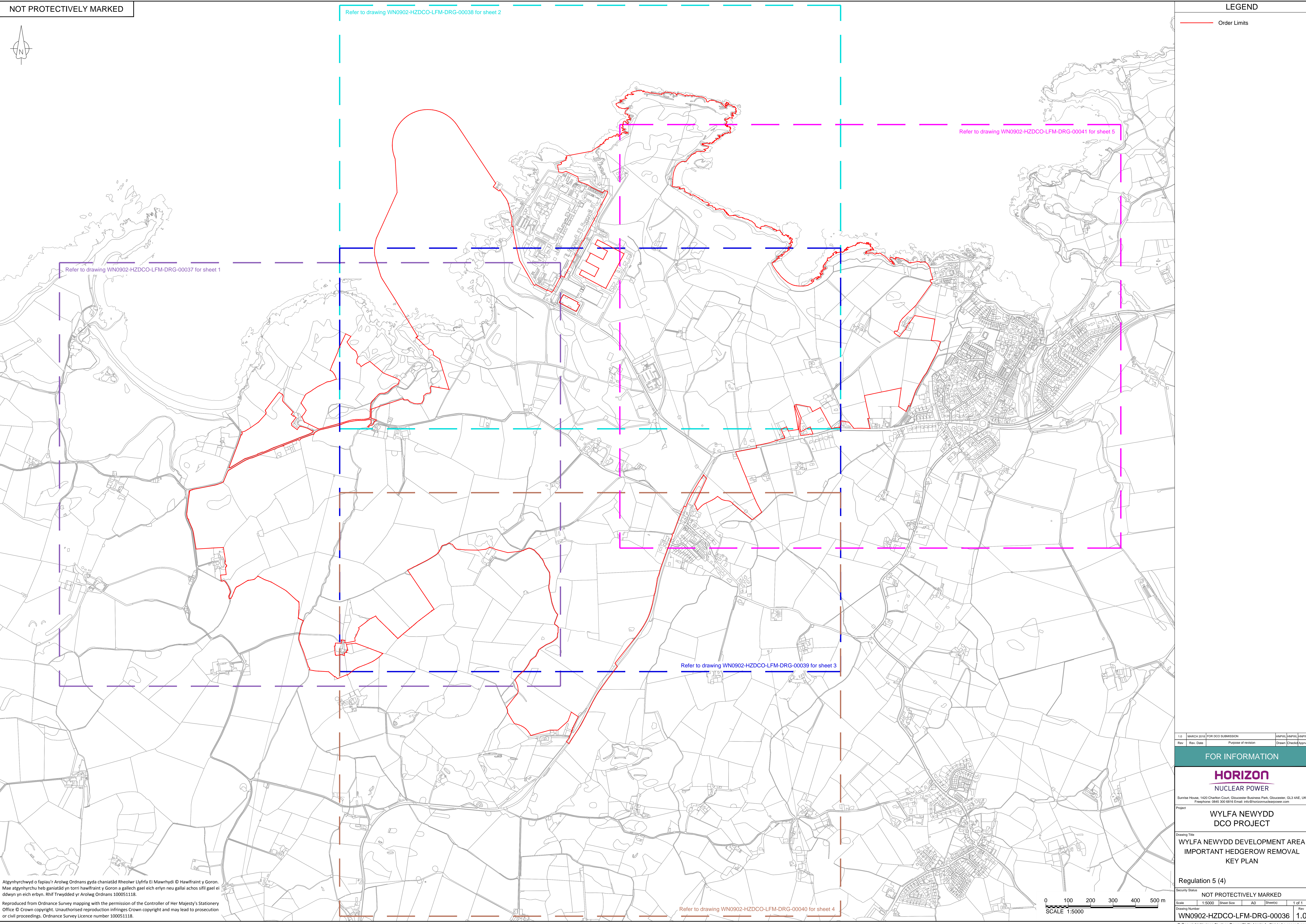
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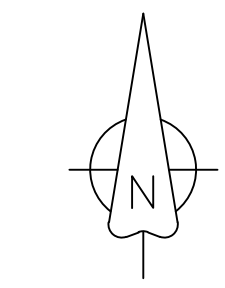
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LEGEND

Order Limits

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

FOR INFORMATION

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**WYLFA NEWYDD DEVELOPMENT AREA  
IMPORTANT HEDGEROW REMOVAL  
KEY PLAN**

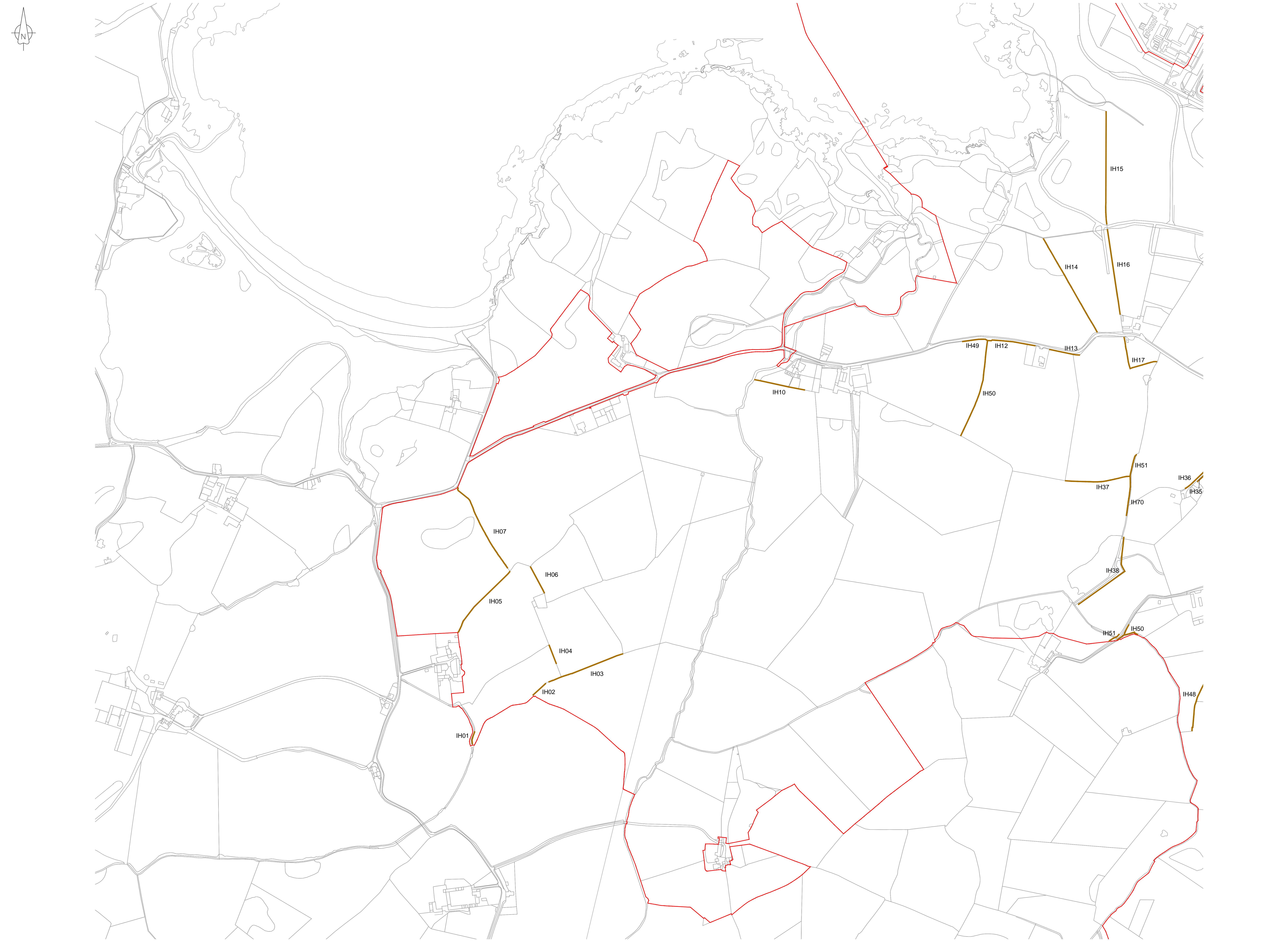
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NOT PROTECTIVELY MARKED

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Drawing Number	WN0902-HZDCO-LFM-DRG-00036					Rev	1.0

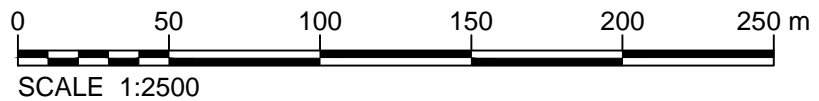
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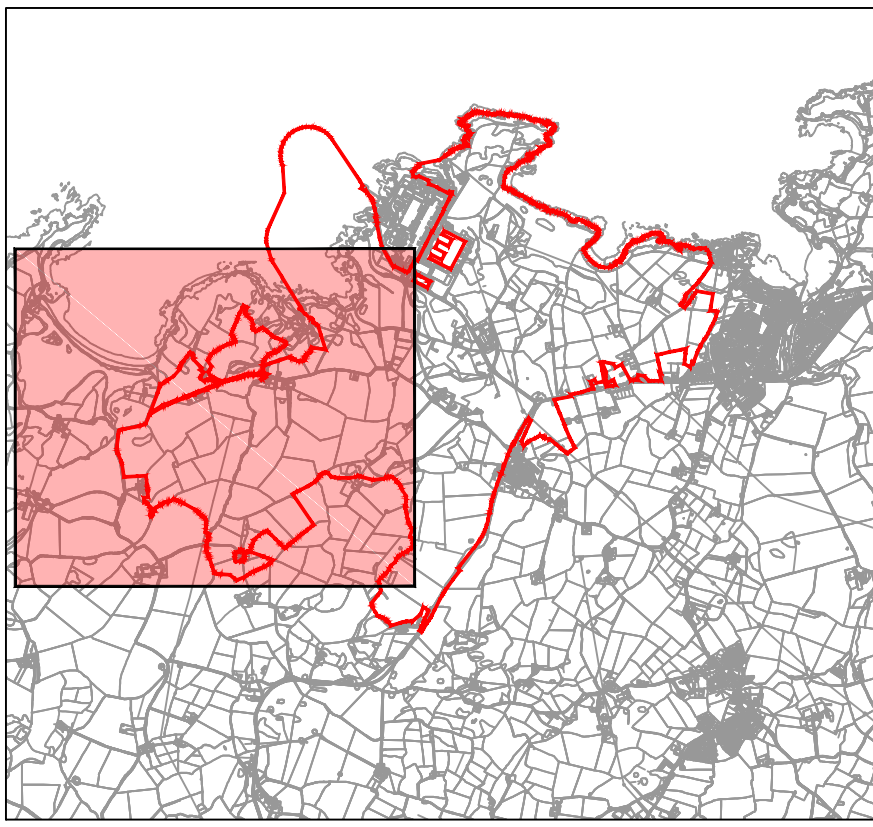


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OVERVIEW



Not To Scale

NOTES

- The locations of features shown are indicative only exact location to be confirmed on site.
- Additional features may be present on site that have not been identified on the topographical plan.
- Important Hedgerow Reference Number (see Schedule 18 of the draft DCO (Application Reference Number: 3.1)).

LEGEND

- Order Limits
- IH\*\* Important Hedgerow (Hedgerow Regulations 1997) To be removed

1.0	MAY 2018	FOR DCO SUBMISSION	HNPNL	HNPNL	HNPNL
Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**WYLFA NEWYDD DEVELOPMENT AREA  
IMPORTANT HEDGEROW REMOVAL  
SHEET 1**

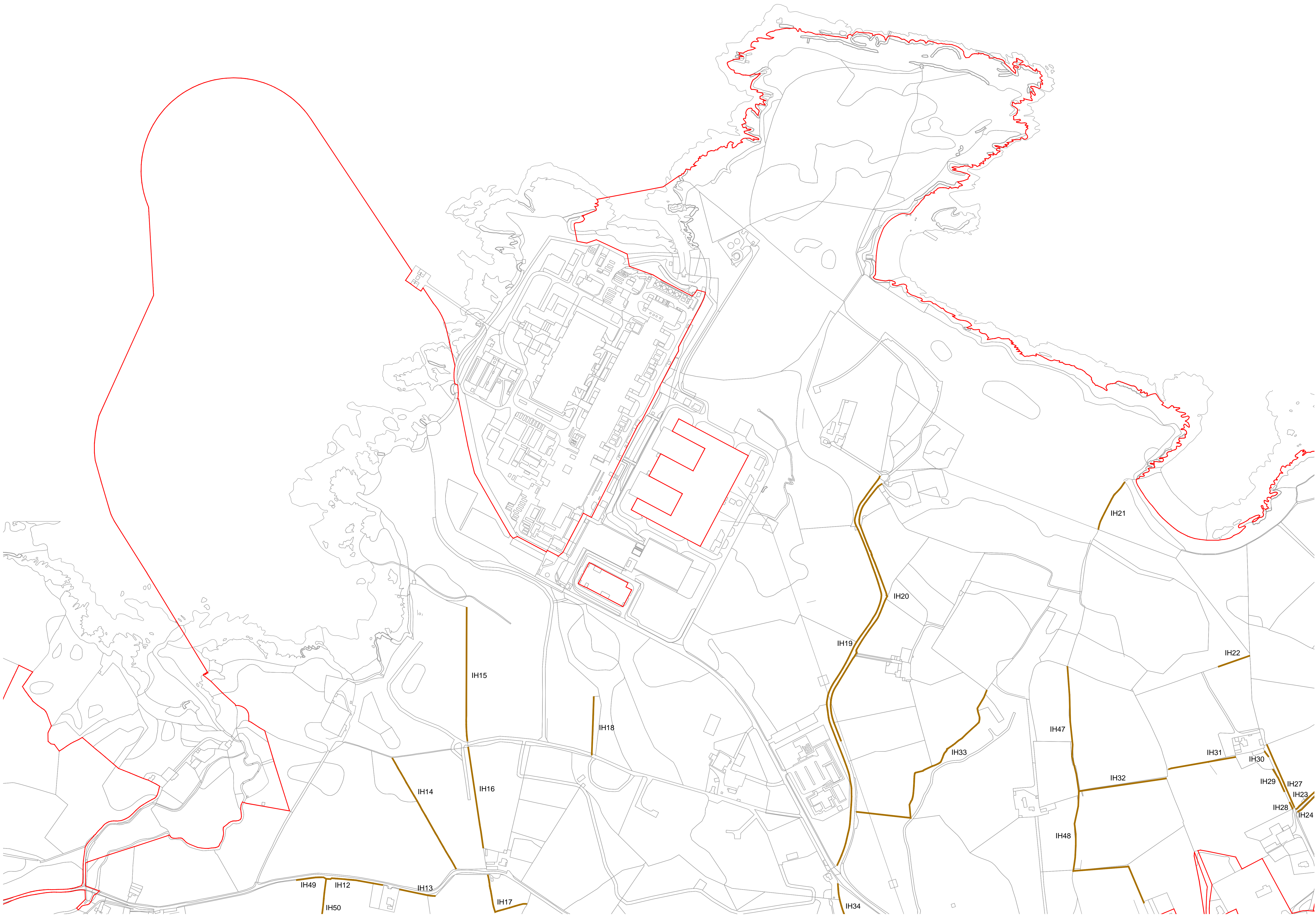
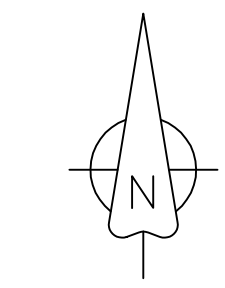
Regulation 5 (2) (o)

NOT PROTECTIVELY MARKED

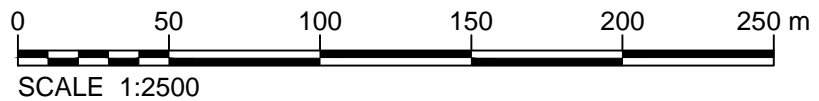
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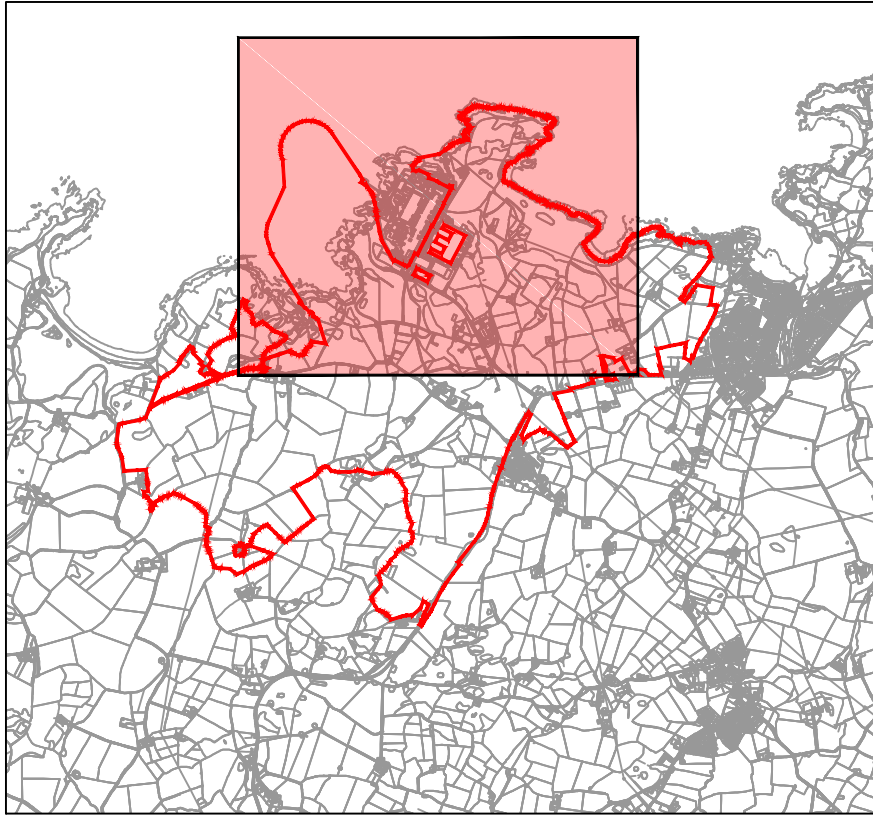




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OVERVIEW



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NOTES

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- Additional features may be present on site that have not been identified on the topographical plan.
- Important Hedgerow Reference Number (see Schedule 18 of the draft DCO (Application Reference Number: 3.1)).

LEGEND

- Order Limits
- IH\*\* Important Hedgerow (Hedgerow Regulations 1997) To be removed

1.0	MAY 2018	FOR DCO SUBMISSION	HNPL	HNPL	HNPL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

FOR APPROVAL

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**WYLFA NEWYDD DEVELOPMENT AREA  
IMPORTANT HEDGEROW REMOVAL  
SHEET 2**

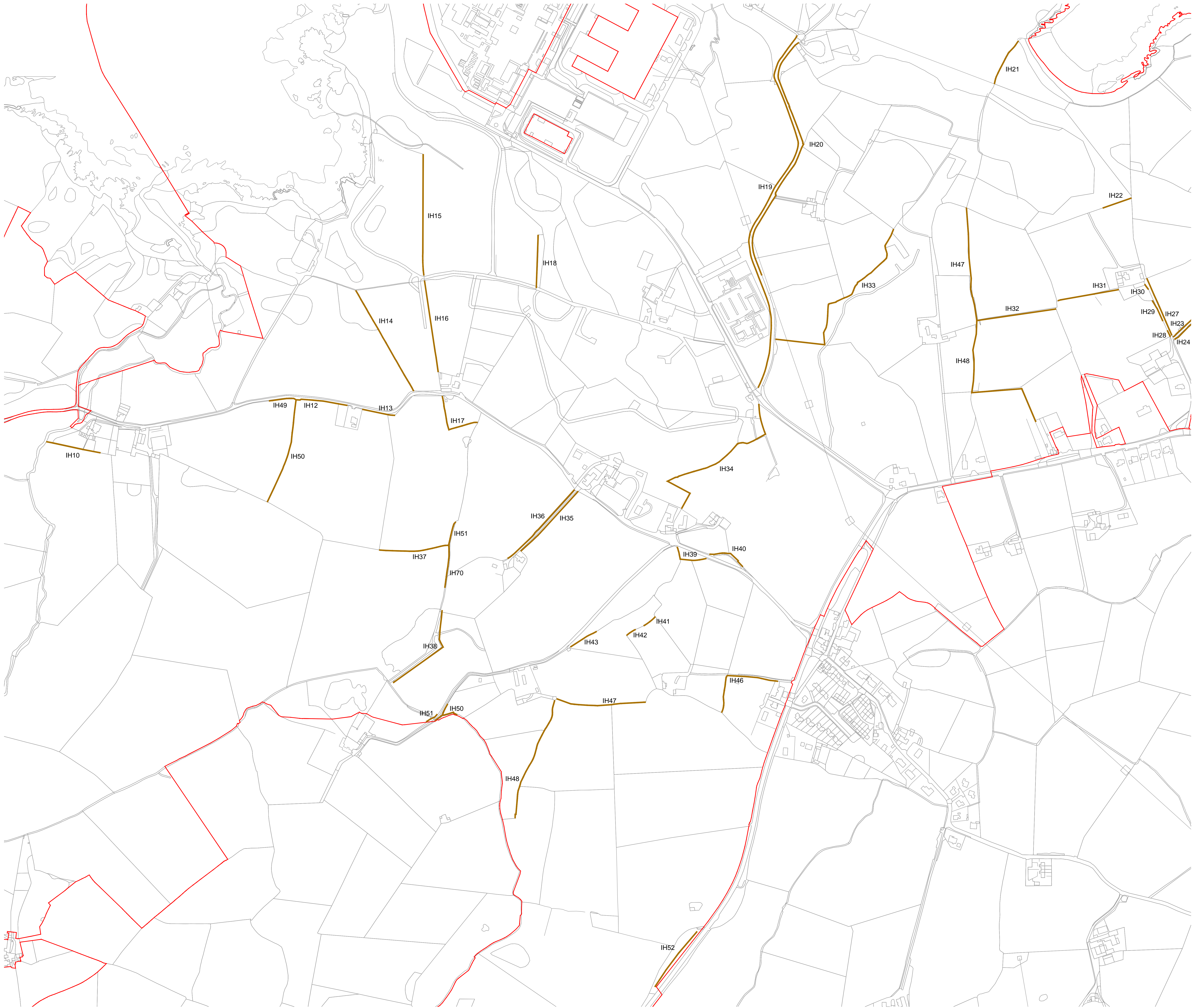
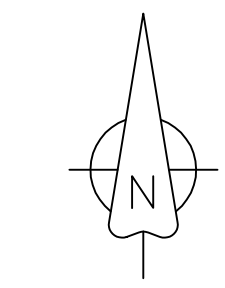
Regulation 5 (2) (o)

NOT PROTECTIVELY MARKED

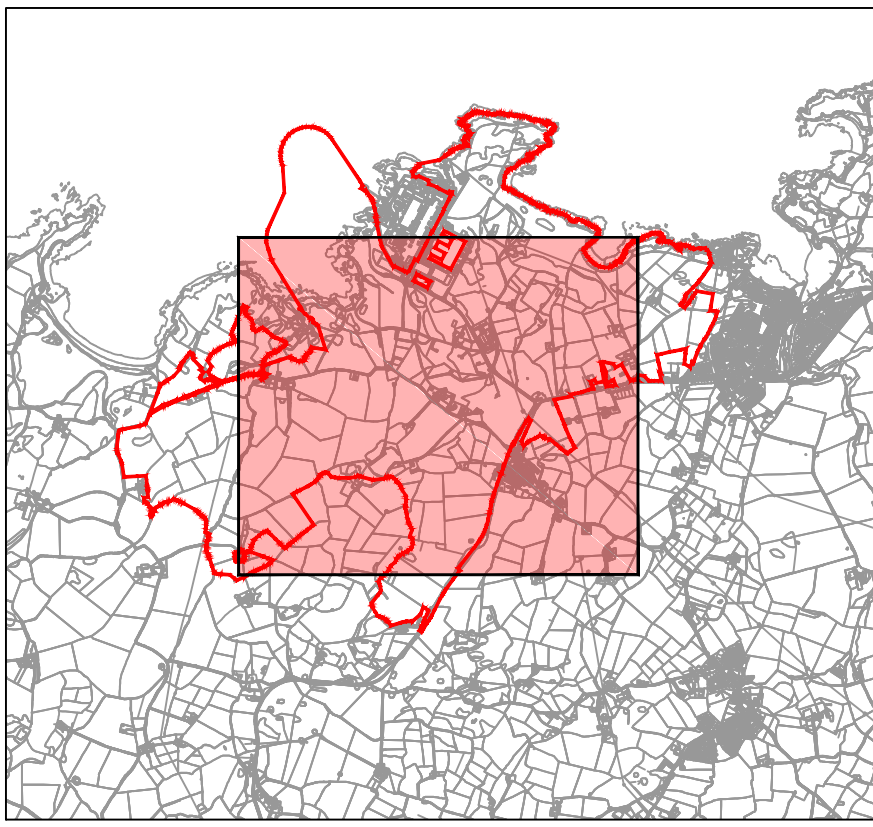
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Drawing Number	WN0902-HZDCO-LFM-DRG-00038						1.0

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OVERVIEW



NOTES

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- Important Hedgerow Reference Number (see Schedule 18 of the draft DCO (Application Reference Number: 3.1)).

LEGEND

- Order Limits
- IH\*\* Important Hedgerow (Hedgerow Regulations 1997) To be removed

1.0	MAY 2018	FOR DCO SUBMISSION	HNPL	HNPL	HNPL
Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

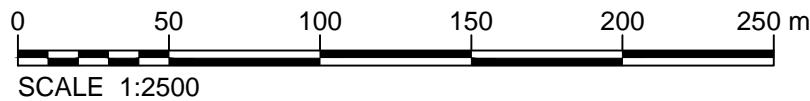
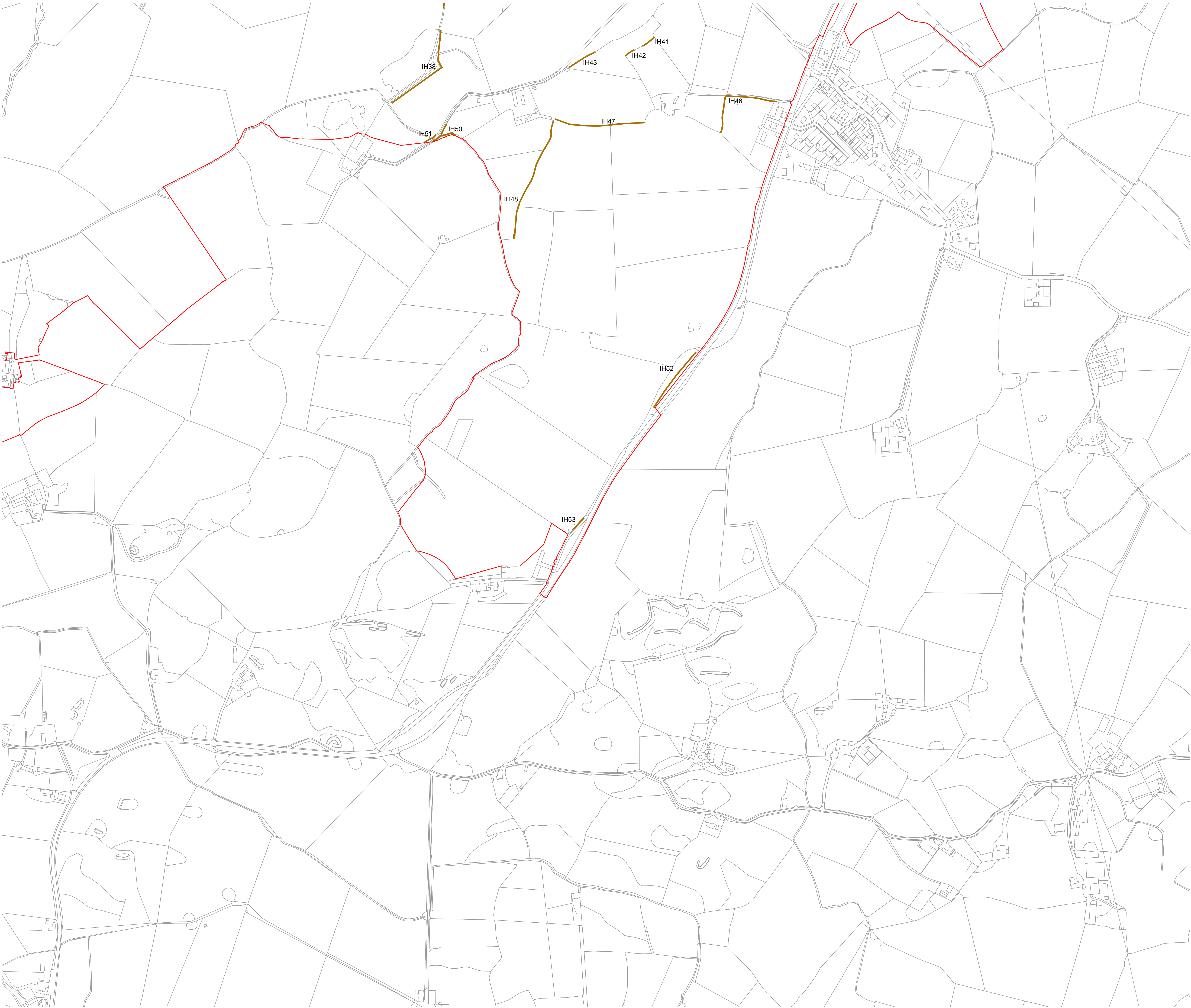
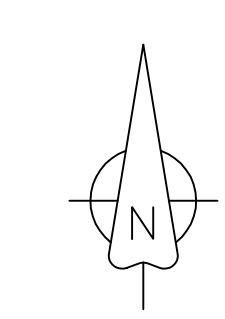
Drawing Title  
**WYLFA NEWYDD DEVELOPMENT AREA  
IMPORTANT HEDGEROW REMOVAL  
SHEET 3**

Regulation 5 (2) (o)

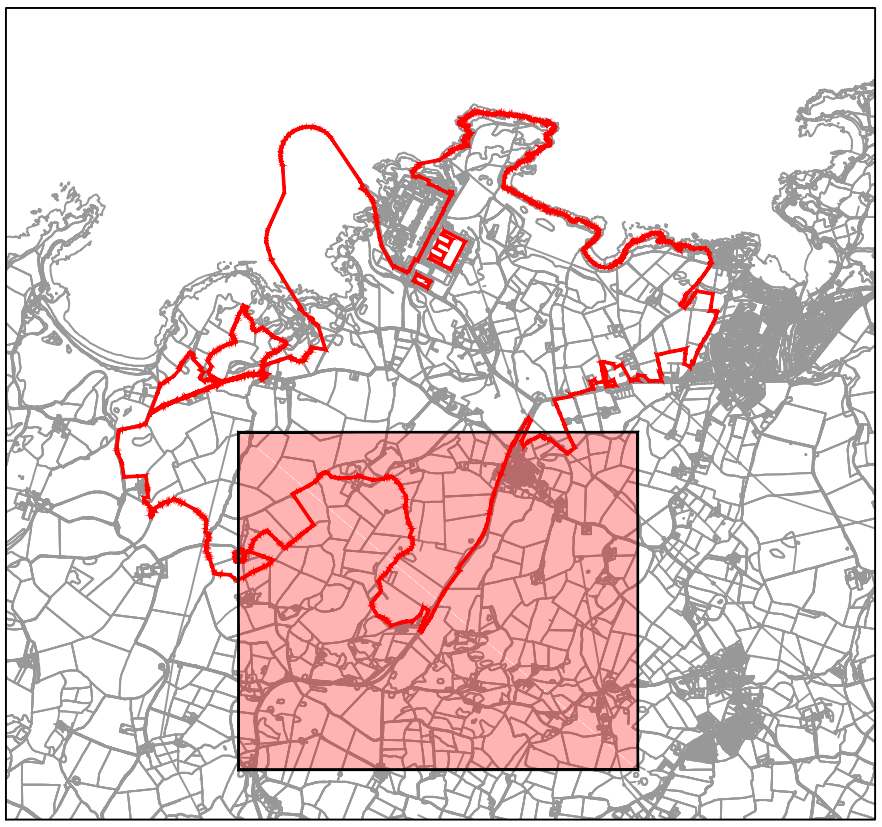
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Scale	1:2500	Sheet Size	A0	Sheet(s)	1 of 1
Drawing Number	WN0902-HZDCO-LFM-DRG-00039	Rev	1.0		





OVERVIEW



Not To Scale

NOTES

1. The locations of features shown are indicative only exact location to be confirmed on site.
2. Additional features may be present on site that have not been identified on the topographical plan.
3. Important Hedgerow Reference Number (see Schedule 18 of the draft DCO (Application Reference Number: 3.1)).

LEGEND

- Order Limits
- IH\*\* Important Hedgerow (Hedgerow Regulations 1997) To be removed

1.0	MAY 2018	FOR DCO SUBMISSION	HNPNL	HNPNL	HNPNL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

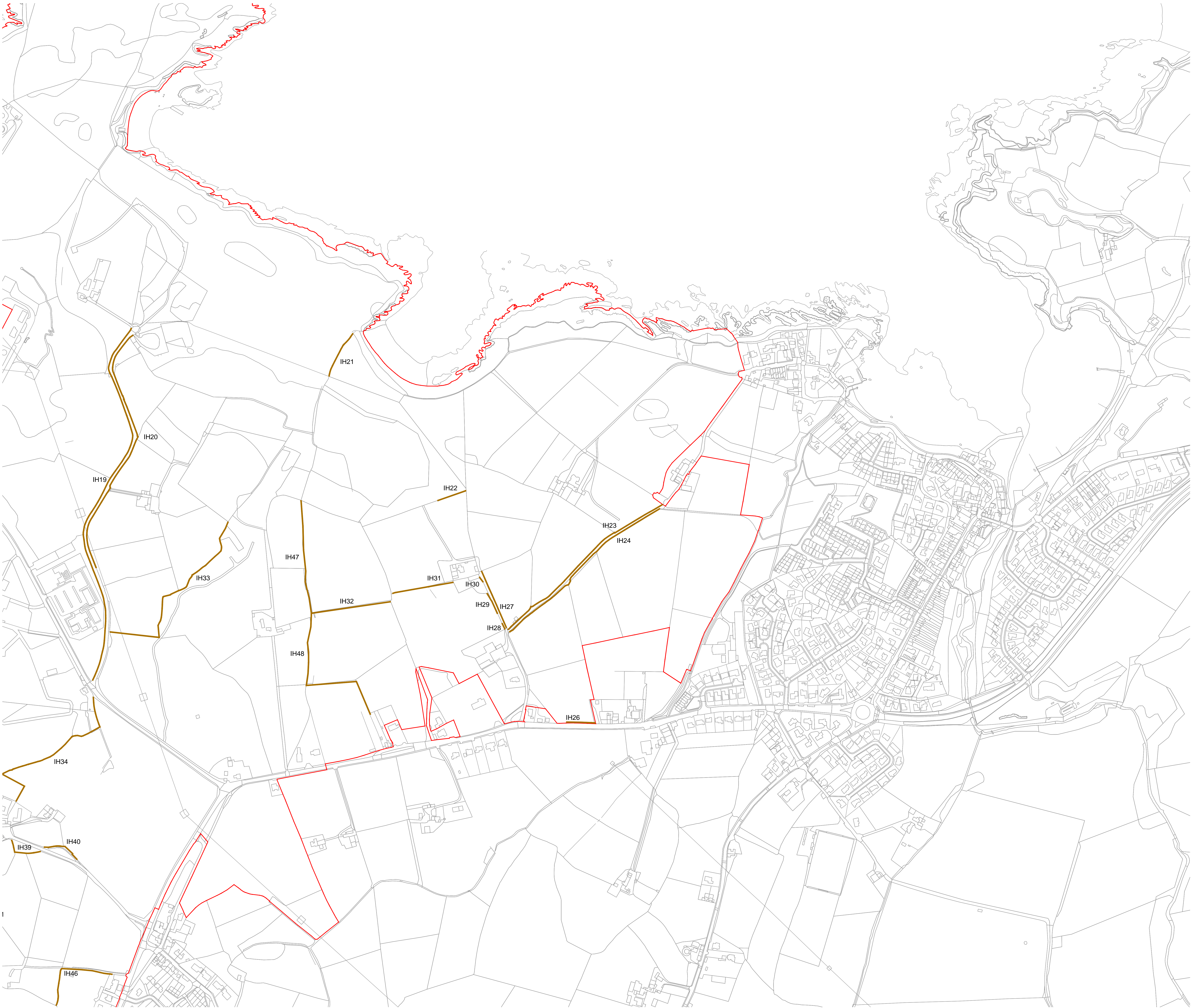
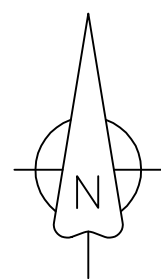
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**WYLFA NEWYDD DEVELOPMENT AREA  
IMPORTANT HEDGEROW REMOVAL  
SHEET 4**

Regulation 5 (2) (o)

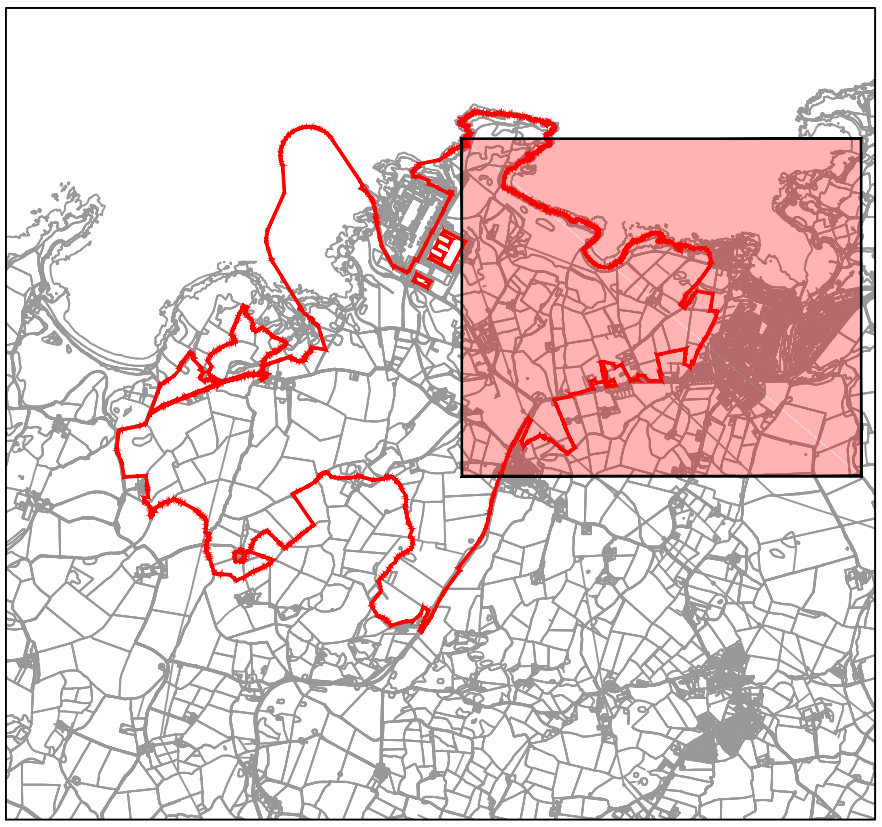
NOT PROTECTIVELY MARKED

Scale	1:2500	Sheet Size	A0	Sheet(s)	1 of 1	Rev
Drawing Number	WN0902-HZDCO-LFM-DRG-00040	1.0				





OVERVIEW



NOTES

1. The locations of features shown are indicative only exact location to be confirmed on site.
2. Additional features may be present on site that have not been identified on the topographical plan.
3. Important Hedgerow Reference Number (see Schedule 18 of the draft DCO (Application Reference Number: 3.1)).

LEGEND

- Order Limits
- Important Hedgerow (Hedgerow Regulations 1997) To be removed

1.0	MAY 2018	FOR DCO SUBMISSION	HNPL	HNPL	HNPL
Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

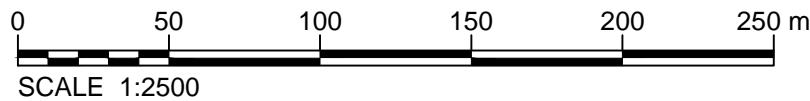
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**WYLFA NEWYDD DEVELOPMENT AREA  
IMPORTANT HEDGEROW REMOVAL  
SHEET 5**

Regulation 5 (2) (o)

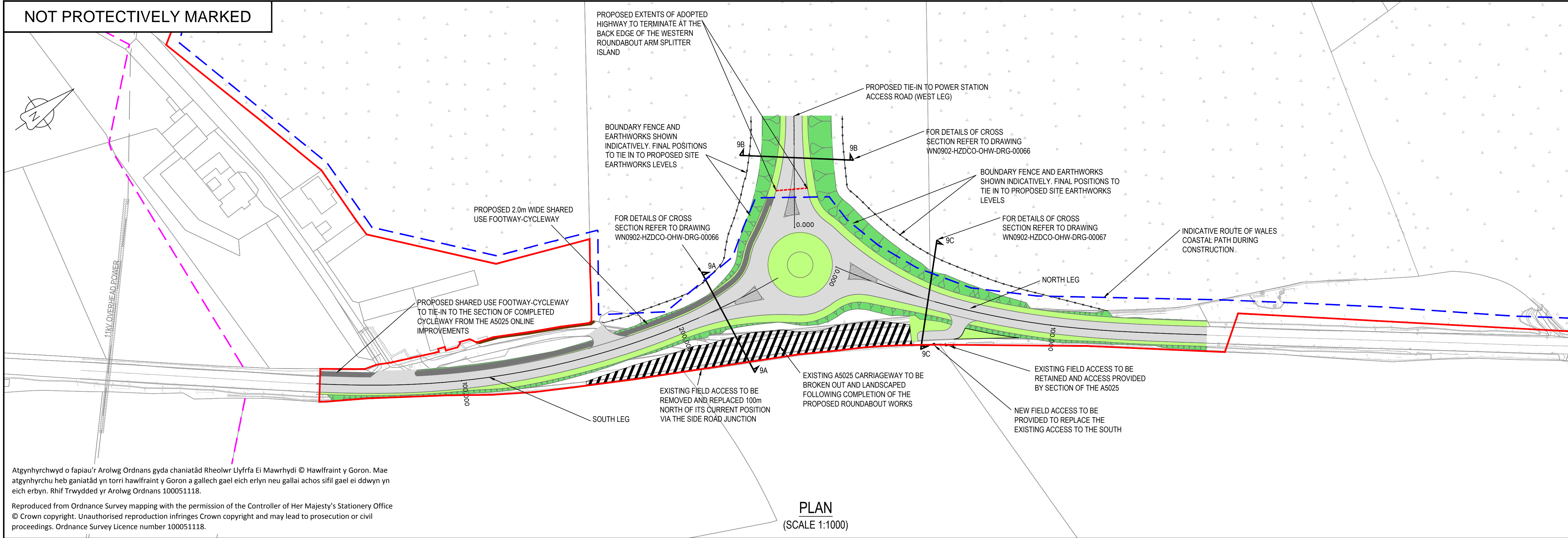
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Drawing Number	WN0902-HZDCO-LFM-DRG-00041						1.0

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NOTES

1. All levels in metres unless stated otherwise.

2. All earthworks batter slopes are shown at a gradient of 1 in 2.5.

3. Existing ground levels based on topographical survey information from surveys undertaken.

4. The proposed carriageway width is 7.3m wide with 1.0m hardstrips on both sides of the carriageway providing a 9.3m total paved width.

5. Road alignment geometry has been designed in accordance with DMRB td 9/93.

LEGEND

Order Limits

Proposed carriageway

Proposed shared use footway-cycleway

Existing carriageway to be stopped up

Proposed splitter islands

Proposed verge

Proposed earthworks slopes

Proposed highway boundary fence

Proposed gated private means of access

Existing public right of way (PROW)

Wales Coastal Path

REFERENCE DRAWINGS

1. For details of proposed drainage refer to drawings WN0902-HZDCO-OHW-DRG-00065

2. For details of cross section refer to drawing WN0902-HZDCO-OHW-DRG-00066 & 00067

1.0MAY 2018FOR DCO SUBMISSION

RevRev. DatePurpose of revisionDrawnCheckedApproved

FOR APPROVAL

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Freephone: 0845 300 6816 Email: info@horizonnuclearpower.com

Project

WYLFA NEWYDD  
DCO PROJECT

Drawing Title

A5025 OFF-LINE HIGHWAY IMPROVEMENTS  
SECTION 9 -  
POWER STATION ACCESS ROAD JUNCTION  
PROPOSED GENERAL ARRANGEMENT

Regulation 5 (2) (o)

Security Status

NOT PROTECTIVELY MARKED

ScaleAS SHOWNSheet SizeA1Sheet(s)1 of 1

Drawing NumberWN0902-HZDCO-OHW-DRG-00063Rev1.0

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Level Datum =40.000

Proposed Level  
South Leg (MC01)

Existing Level

Chainage

43.17

43.16

35.000

43.30

43.33

40.000

43.47

43.58

45.000

43.620

43.600

50.000

43.737

43.727

55.000

43.830

43.825

60.000

43.965

43.897

65.000

43.972

43.955

70.000

44.031

43.953

75.000

44.081

43.940

80.000

44.423

43.900

85.000

44.496

43.878

90.000

44.481

43.838

95.000

44.498

43.793

100.000

44.207

43.773

105.000

44.207

43.747

110.000

44.999

43.708

115.000

44.982

43.684

120.000

44.457

43.651

125.000

44.424

43.611

130.000

44.083

43.716

135.000

44.033

43.704

140.000

43.975

43.698

145.000

43.908

43.696

150.000

43.833

43.688

155.000

43.750

43.666

160.000

43.658

43.668

165.000

43.559

43.533

170.000

43.450

43.724

175.000

43.334

43.846

180.000

43.209

43.789

185.000

43.076

43.711

190.000

42.934

43.549

195.000

42.785

43.397

200.000

42.626

43.201

205.000

42.465

43.014

210.000

42.314

42.728

215.000

42.176

42.397

220.000

42.051

42.091

225.000

41.938

41.857

230.000

41.838

41.286

235.000

41.750

41.013

240.000

41.675

40.695

245.000

41.612

40.393

250.000

Level Datum =35.000

Proposed Level  
West Leg (MC02)

Existing Level

Chainage

41.000

38.745

0.000

40.913

38.440

5.000

40.811

38.155

10.000

40.694

37.830

15.000

40.562

37.524

20.000

40.416

37.220

25.000

40.255

36.916

30.000

40.080

36.613

35.000

39.889

36.307

40.000

39.684

35.999

45.000

39.465

35.694

50.000

Level Datum =34.000

Proposed Level  
North Leg (MC03)

Existing Level

Chainage

41.084

38.878

0.000

41.000

38.702

5.000

40.907

38.611

10.000

40.806

38.537

15.000

40.697

38.460

20.000

40.579

38.414

25.000

40.453

38.475

30.000

40.319

38.446

35.000

40.176

38.416

40.000

40.025

38.217

45.000

39.866

38.223

50.000

39.698

38.096

55.000

39.522

38.767

60.000

39.338

37.985

65.000

39.145

37.884

70.000

38.944

38.160

75.000

38.735

38.163

80.000

38.517

38.017

85.000

38.291

37.671

90.000

38.057

37.710

95.000

37.814

37.516

100.000

37.563

37.309

105.000

37.304

37.087

110.000

37.036

36.861

115.000

36.762

36.627

120.000

36.487

36.385

125.000

36.212

36.135

130.000

35.937

35.883

135.000

35.662

35.625

140.000

35.387

35.366

145.000

35.112

35.093

150.000

34.837

34.814

155.000

34.562

34.542

160.000

34.287

34.272

165.000

34.012

34.012

170.000

LONGITUDINAL SECTION  
(SCALE 1:500H & 1:100V)

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SCALE 1:1000

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SCALE 1:500

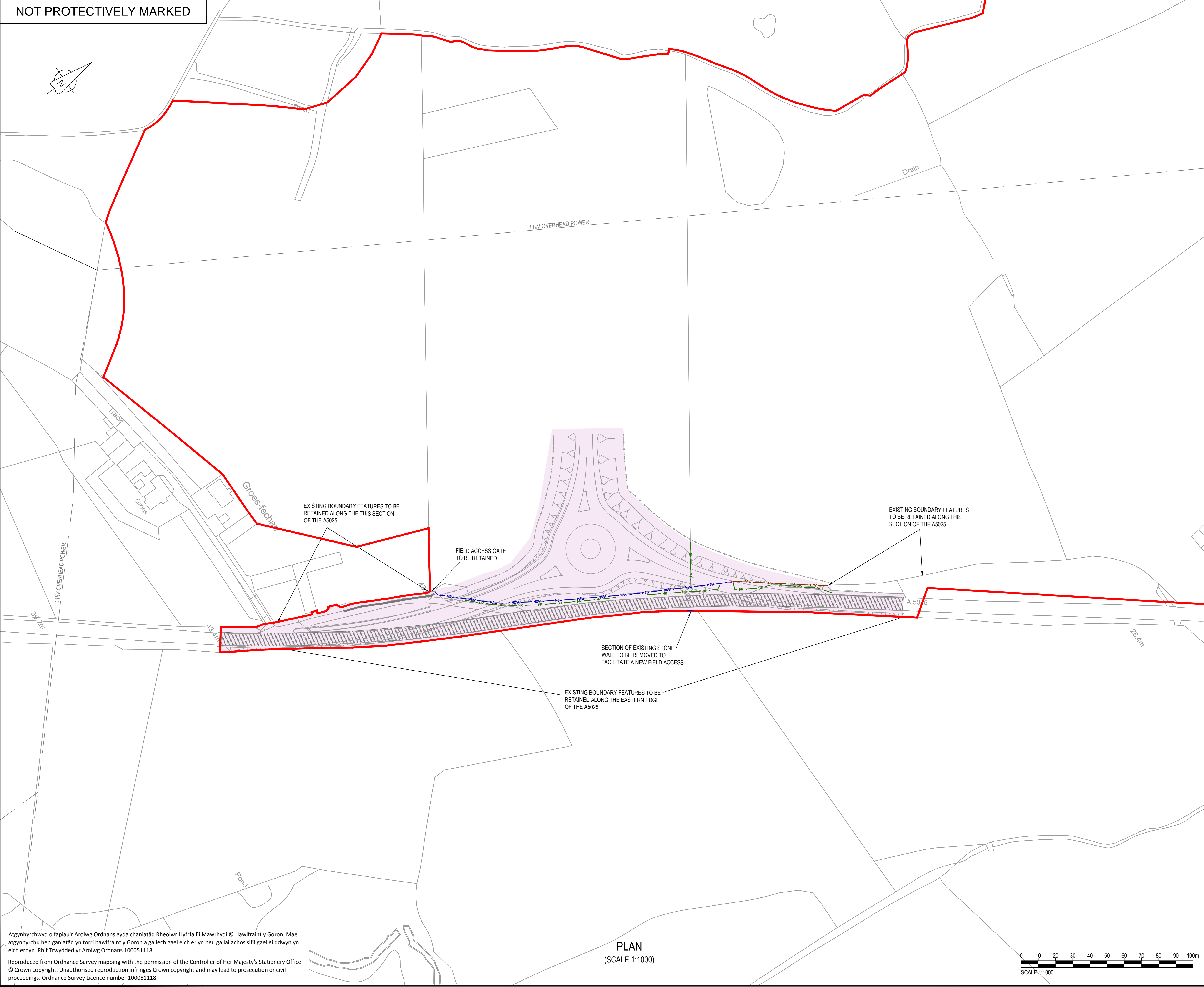
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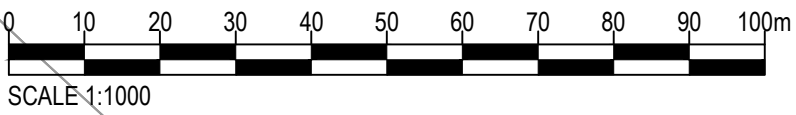
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PLAN  
(SCALE 1:1000)



NOTES

- The area shown as 'general site clearance' does not mean that everything within this area is to be cleared. Site clearance will be the minimum required to undertake the works. General site clearance consists of removal of overgrowth in verges, topsoil removal and disposal.
- Only fencing, hedgerows & gates identified in the key are to be removed as part of the site clearance works.
- For clearance of Important Hedgerows (Hedgerow Regulations 1997) (not shown on this drawing) refer to WN0902-HZDCO-LFM-DRG-00040.

LEGEND

- Order Limits
- Existing overhead services
- General site clearance area
- Road pavement to be excavated & removed
- Stone wall to be removed
- Timber post & wire fence to be removed
- Hedgerow to be removed

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

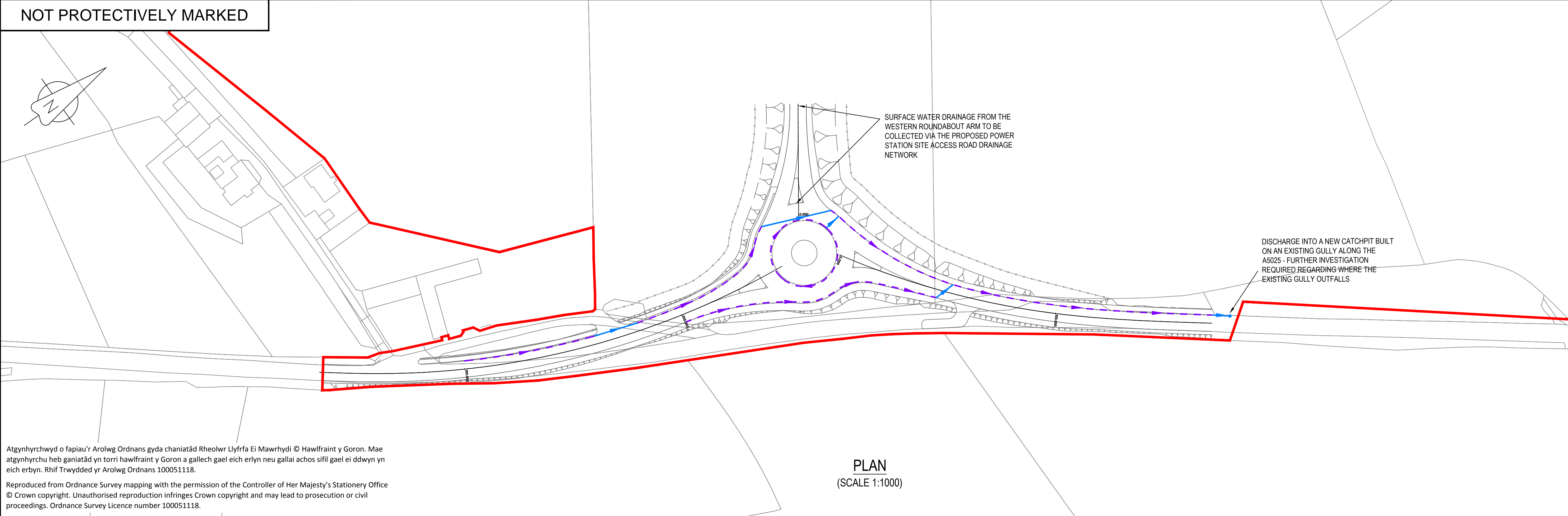
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SECTION 9 -  
POWER STATION ACCESS ROAD JUNCTION  
PROPOSED SITE CLEARANCE PLAN  
Regulation 5 (2) (o)**

Security Status <b>NOT PROTECTIVELY MARKED</b>					
Scale	1:1000	Sheet Size	A1	Sheet(s)	1 of 1
Drawing Number	WN0902-HZDCO-OHW-DRG-00064				Rev <b>1.0</b>

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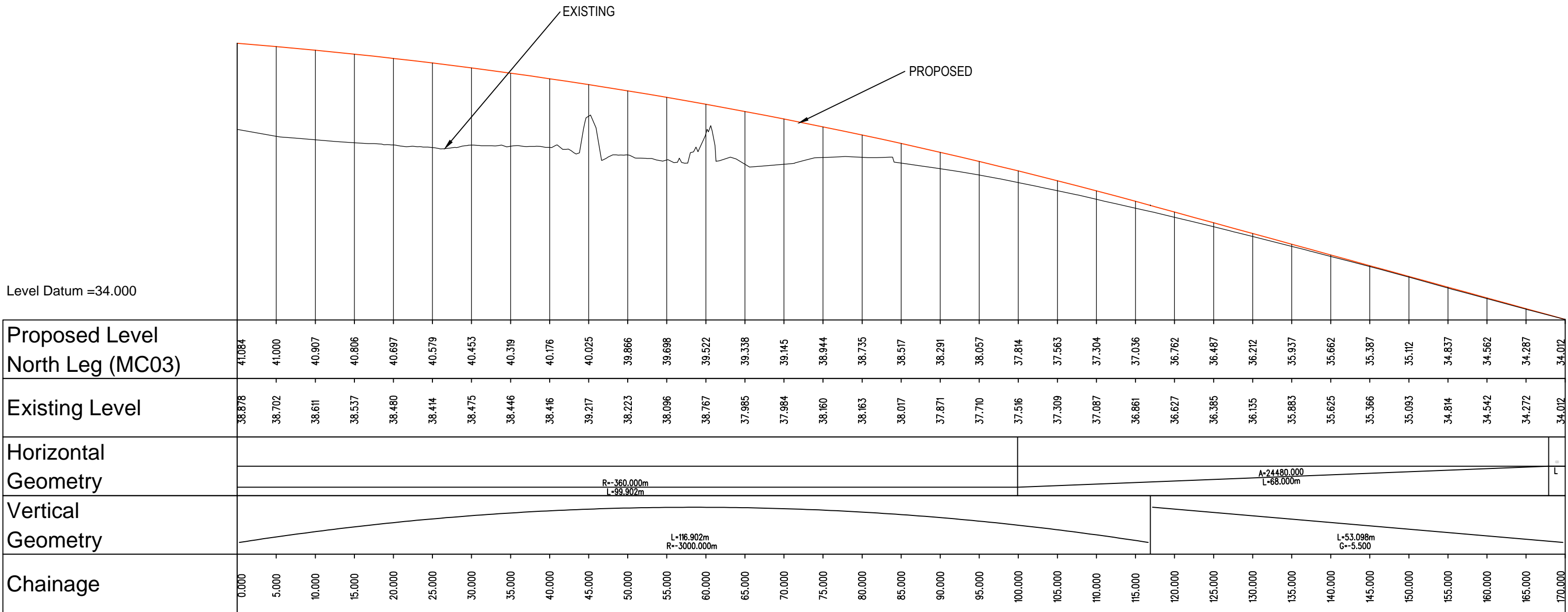
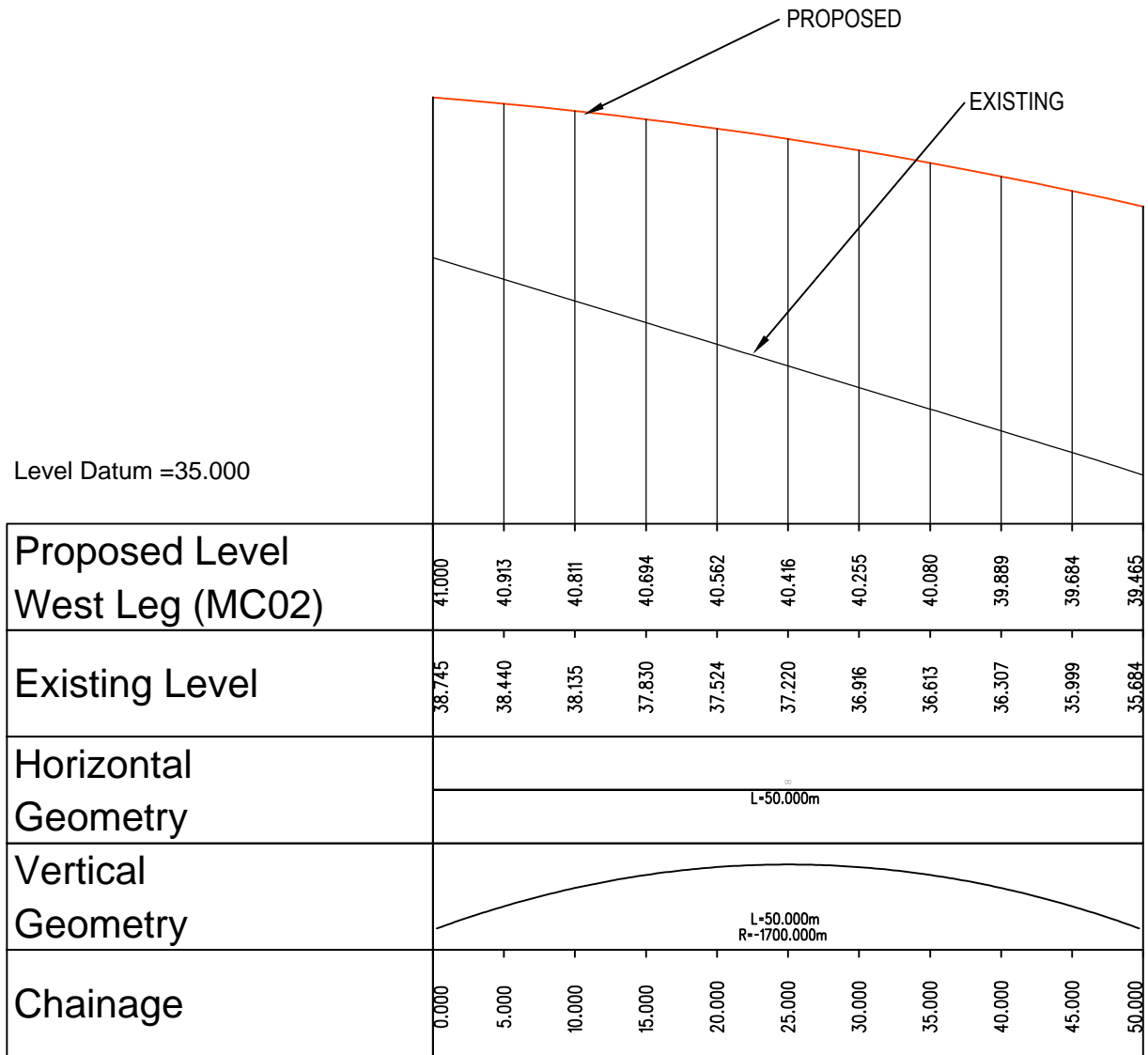
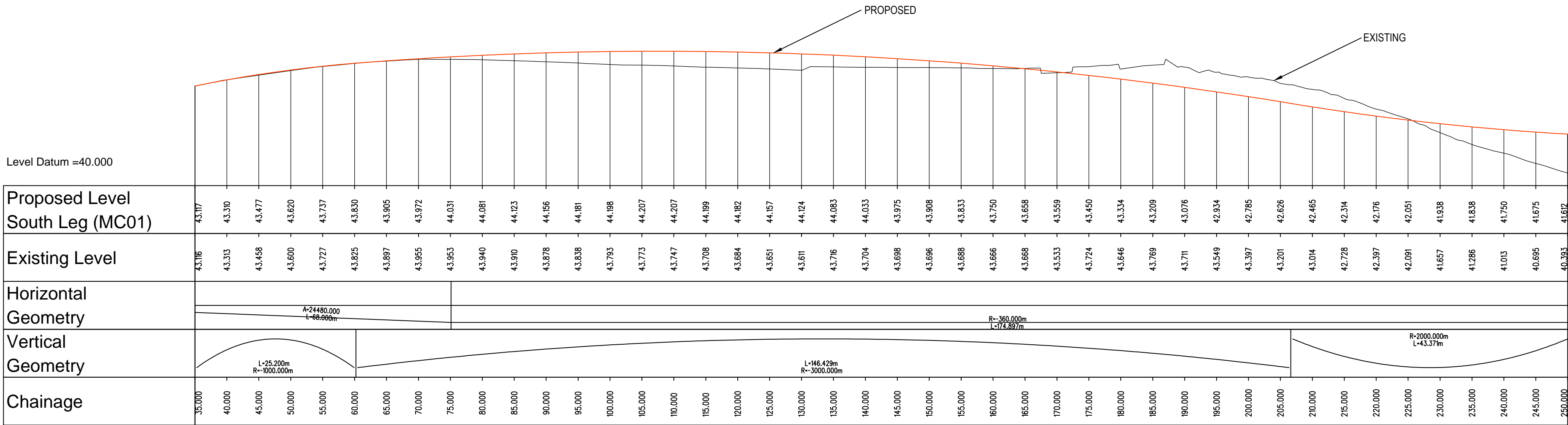
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NOTES

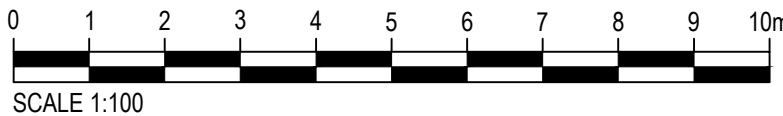
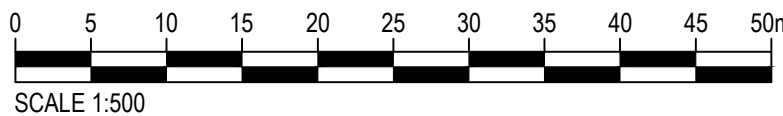
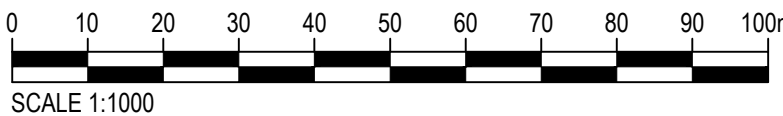
1. All levels in metres unless stated otherwise.
2. Earthwork batter slopes are shown at a gradient of 1 in 2.5.
3. Pond batter slopes are shown at a gradient of 1 in 3.
4. Existing ground survey is based on the highway topographical survey (dated 29.01.2012) and additional land topographical survey (dated Dec 2014 and June 2016).
5. Pond volumes are based on a 1 in 100 year return period plus 30% climate change.
6. Ponds to be located outside of the flood plain.
7. Drainage layouts are indicative for information only and are subject to detailed design and modelling.
8. Highway drainage has been designed in accordance with the guidance on storm return periods in DMRB volume 4 section 2 part 3 hd 33/06.
9. Gradients of filter drains typically follow the longitudinal fall of the highway with a minimum cover of 1.2m.
10. Filter drain inspection chambers shall be located at regular intervals and at connection points. The spacing between inspection chambers shall not exceed 80m.
11. Drainage outfall locations and levels are based on topographical survey information data.

LEGEND

- Order Limits
- Proposed highway boundary fence
- Proposed catchpit
- Proposed carrier drain
- Proposed kerb drain



LONGITUDINAL SECTION  
(SCALE 1:500H & 1:100V)



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

FOR APPROVAL

**HORIZON**  
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Sunrise House, 1420 Charlton Court, Gloucester Business Park, Gloucester, GL3 4AE, UK  
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Project  
**WYLFA NEWYDD  
DCO PROJECT**

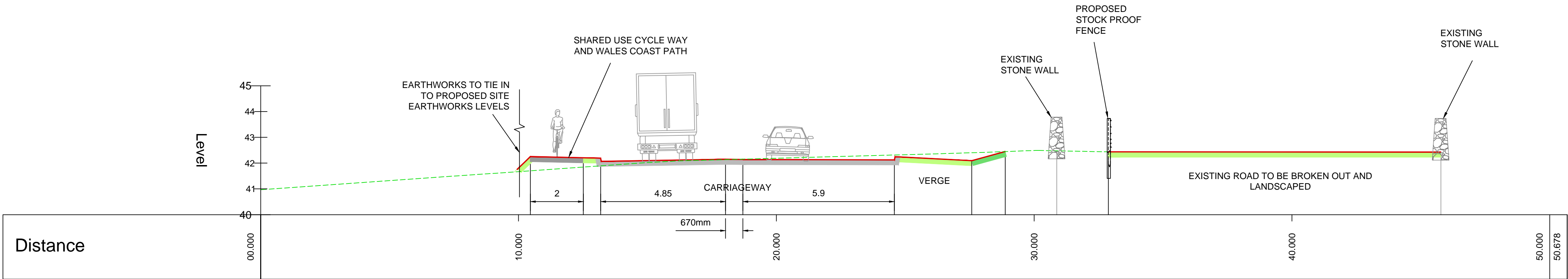
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**A5025 OFF-LINE HIGHWAY IMPROVEMENTS  
SECTION 9 -  
POWER STATION ACCESS ROAD JUNCTION  
PROPOSED DRAINAGE PLAN**

Regulation 5 (2) (o)

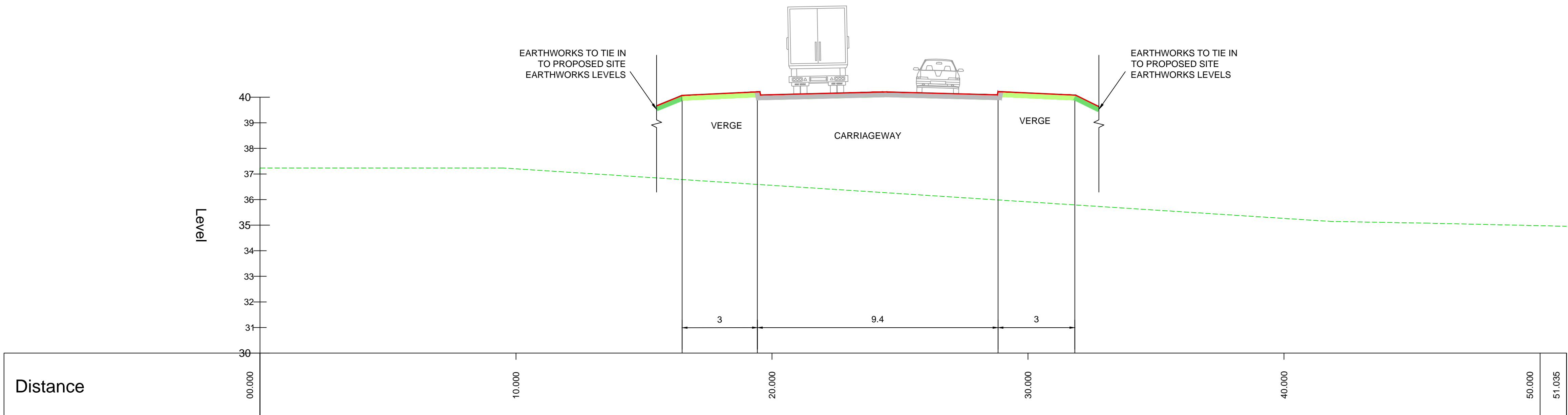
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Drawing Number					Rev		
WN0902-HZDCO-OHW-DRG-00065					1.0		

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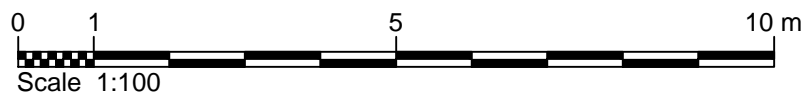




PROPOSED CROSS SECTION 9A-A  
(SCALE 1:100)



PROPOSED CROSS SECTION 9B-B  
(SCALE 1:100)



NOTES

- All levels in metres unless stated otherwise.
- All dimensions in metres unless stated otherwise.

LEGEND

- Proposed levels
- Existing levels

REFERENCE DRAWINGS

WN0902-H2DCO-OHW-DRG-00063 - A5025 OFF-LINE HIGHWAYS IMPROVEMENTS SECTION 9 - SITE ACCESS PROPOSED GENERAL ARRANGEMENT

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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Project  
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DCO PROJECT**

Drawing Title  
**A5025 OFF-LINE HIGHWAY IMPROVEMENTS  
SECTION 9 -  
POWER STATION ACCESS ROAD JUNCTION  
PROPOSED CROSS SECTION 9A-A & 9B-B  
Regulation 5 (2) (o)**

Security Status  
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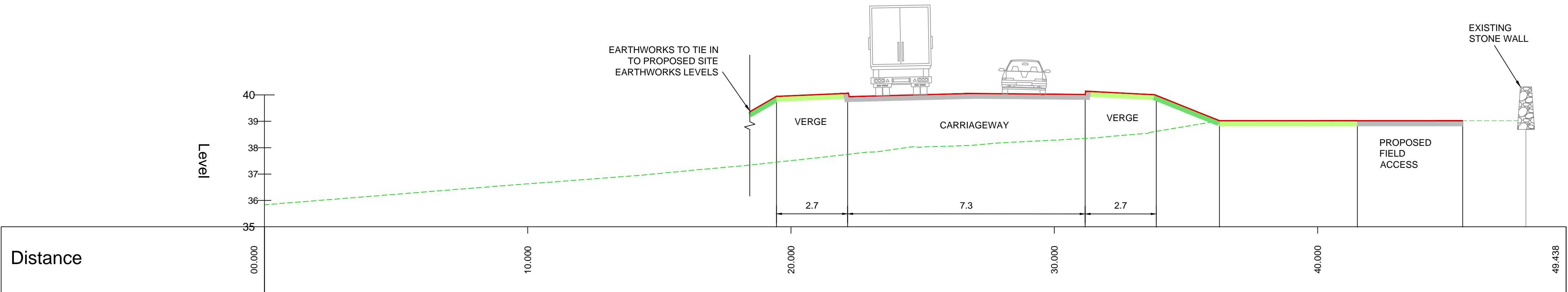
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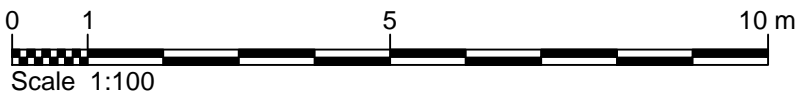
1. All levels in metres unless stated otherwise.
2. All dimensions in metres unless stated otherwise.

- Proposed levels
- Existing levels

WN0902-H2DCO-OHW-DRG-00063 - A5025 OFF-LINE HIGHWAYS IMPROVEMENTS SECTION 9 - SITE ACCESS PROPOSED GENERAL ARRANGEMENT



PROPOSED CROSS SECTION 9C-C  
(SCALE 1:100)



1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

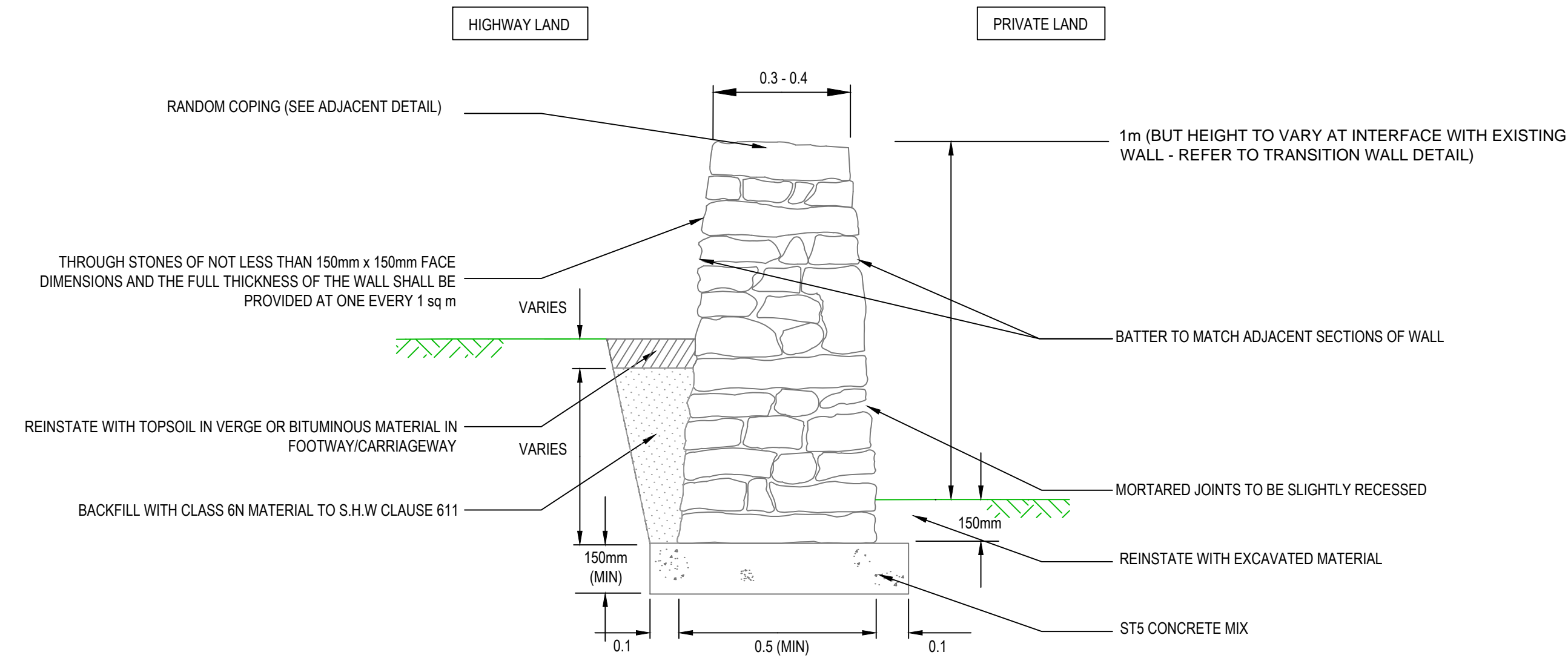
Drawing Title  
**A5025 OFF-LINE HIGHWAY IMPROVEMENTS  
SECTION 9 -  
POWER STATION ACCESS ROAD JUNCTION  
PROPOSED CROSS SECTION 9C-C  
Regulation 5 (2) (o)**

Security Status  
**NOT PROTECTIVELY MARKED**

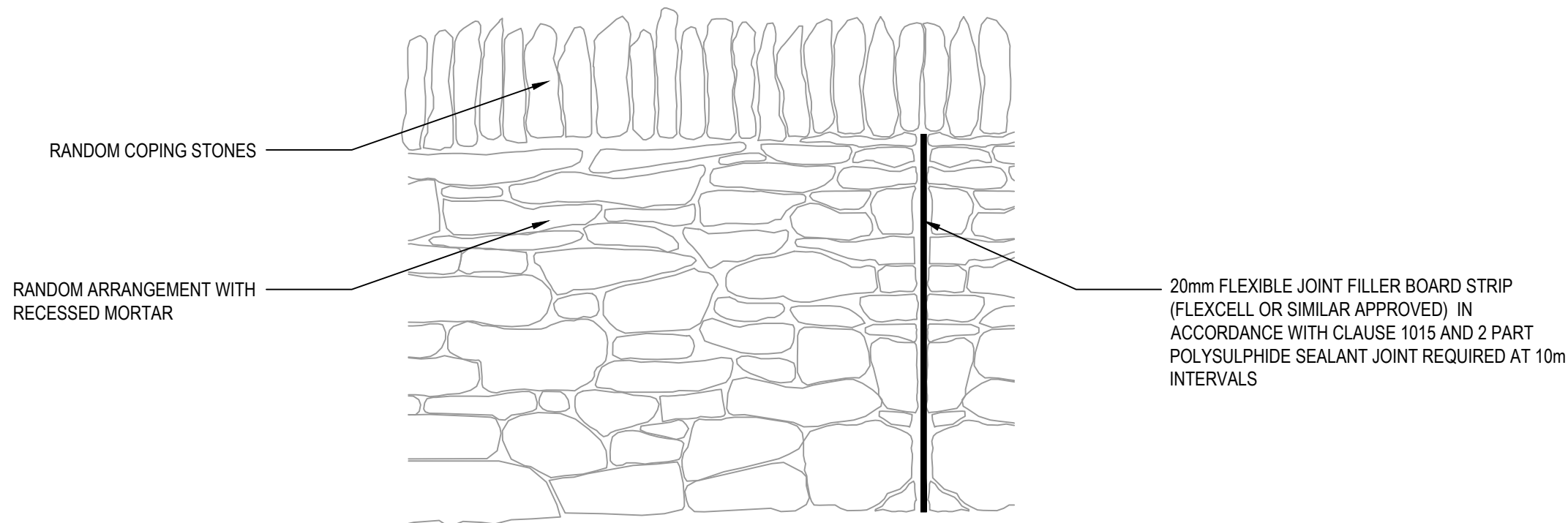
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Drawing Number	WN0902-HZDCO-OHW-DRG-00067	Rev	1.0		



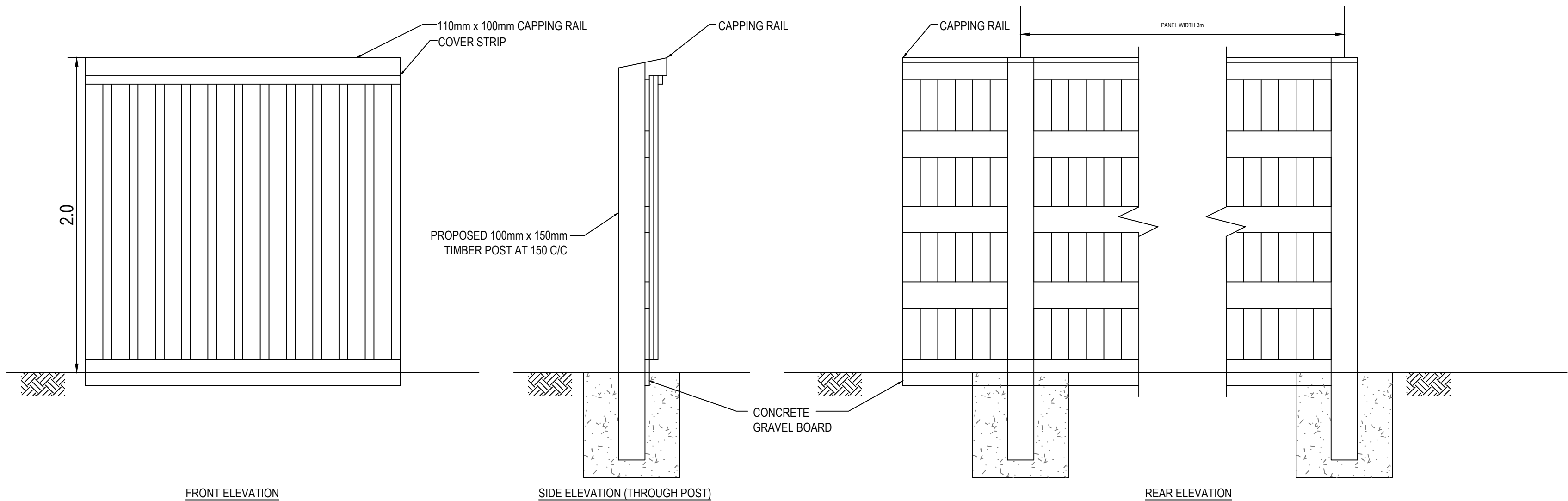
1. All dimensions in metres unless stated otherwise.
2. Only written dimensions are to be used.
3. All timber post & rail fences and timber post & wire fences to have 2 barbed wire strands.
4. For details of timber post & wire fences refer to DMRB MCHW standard detail H1.
4. For details of timber post & 4 rail fences refer to DMRB MCHW standard detail H3.
5. For details of proposed vehicular field access gates refer to DMRB MCHW standard detail H17.
6. For details of timber wicket gate refer to DMRB MCHW standard detail H23.



PROPOSED MORTARED STONE WALL (SECTION) (Not to Scale)



PROPOSED MORTARED STONE WALL (ELEVATION) (Not to Scale)

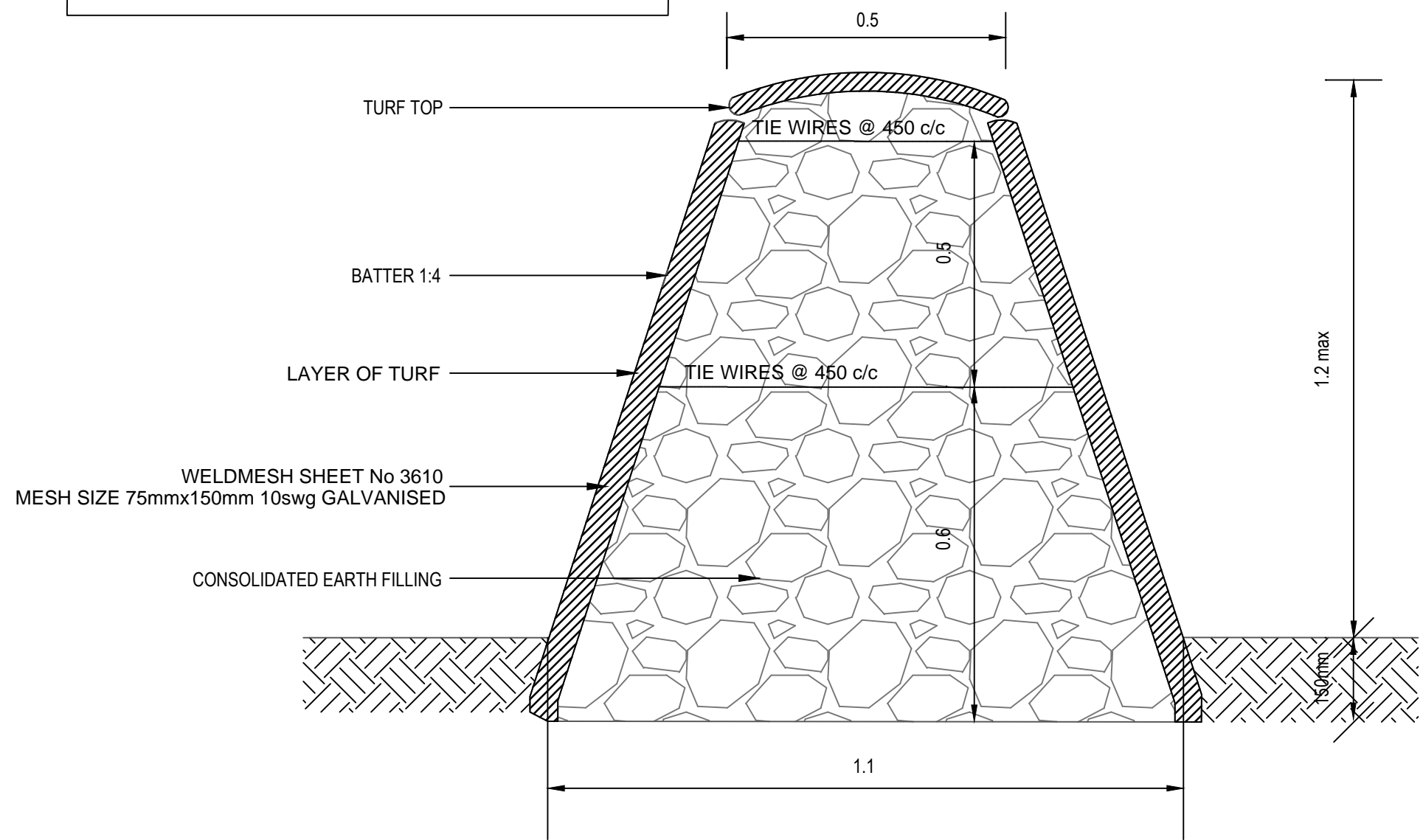


SIDE ELEVATION (THROUGH POST)

REAR ELEVATION

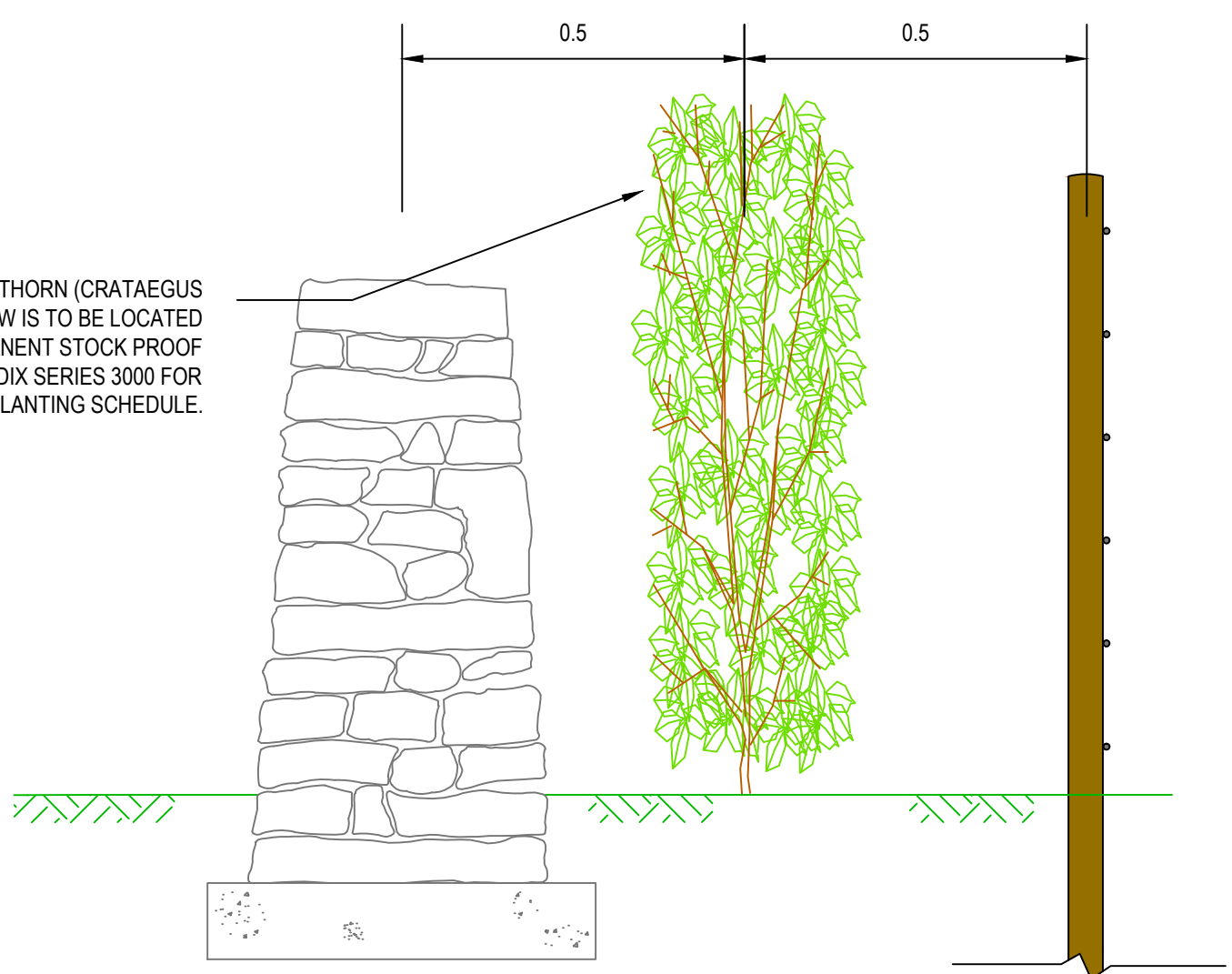
PROPOSED 2.0m NOISEWALL SINGLE SIDED REFLECTIVE TIMBER SOUND SCREEN (Not to Scale)

NOTE:  
WHERE REQUIRED, HEDGE TO BE QUICKTHORN HEDGING PLANTED AT 450mm CENTRES



PROPOSED EARTHBANK (Not to Scale)

HEDGEROW TO BE SINGLE SPECIES HAWTHORN (CRATAEGUS MONOGYNA). WHEN REQUIRED THE HEDGEROW IS TO BE LOCATED BETWEEN THE ADJACENT NEW WALL AND PERMANENT STOCK PROOF FENCE. REFER TO SPECIFICATION APPENDIX SERIES 3000 FOR PLANTING SCHEDULE.



TYPICAL STONE WALL, HEDGEROW AND TIMBER POST & WIRE BOUNDARY FEATURE (Not to Scale)

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Appr'd

ILLUSTRATIVE

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Project  
**WYLFA NEWYDD  
DCO PROJECT**

Drawing Title  
**A5025 OFF-LINE HIGHWAY IMPROVEMENTS  
STANDARD DETAILS  
BOUNDARY DETAILS**

Regulation 5 (2) (o)

Security Status <b>NOT PROTECTIVELY MARKED</b>					
Scale	Not to Scale	Sheet Size	A1	Sheet(s)	1 of 1
Drawing Number	WN0902-HZDCO-OHW-DRG-00068				Rev <b>1.0</b>







## NOTES

1. All dimensions in metres unless stated otherwise.
2. This drawing should only be read in relation to the subject of the title, reference should be made to the appropriate drawing series for other information.
3. All materials and workmanship to be in accordance with the specification for highway works unless stated otherwise.
4. All drains up to and including DN300 size to be vitrified clay. All drains over and including size DN375 to be concrete (unless noted otherwise). Alternative materials may be substituted as detailed in SHW 500 series.
5. The length of the next pipe (rocker pipe) away from structures shall be:

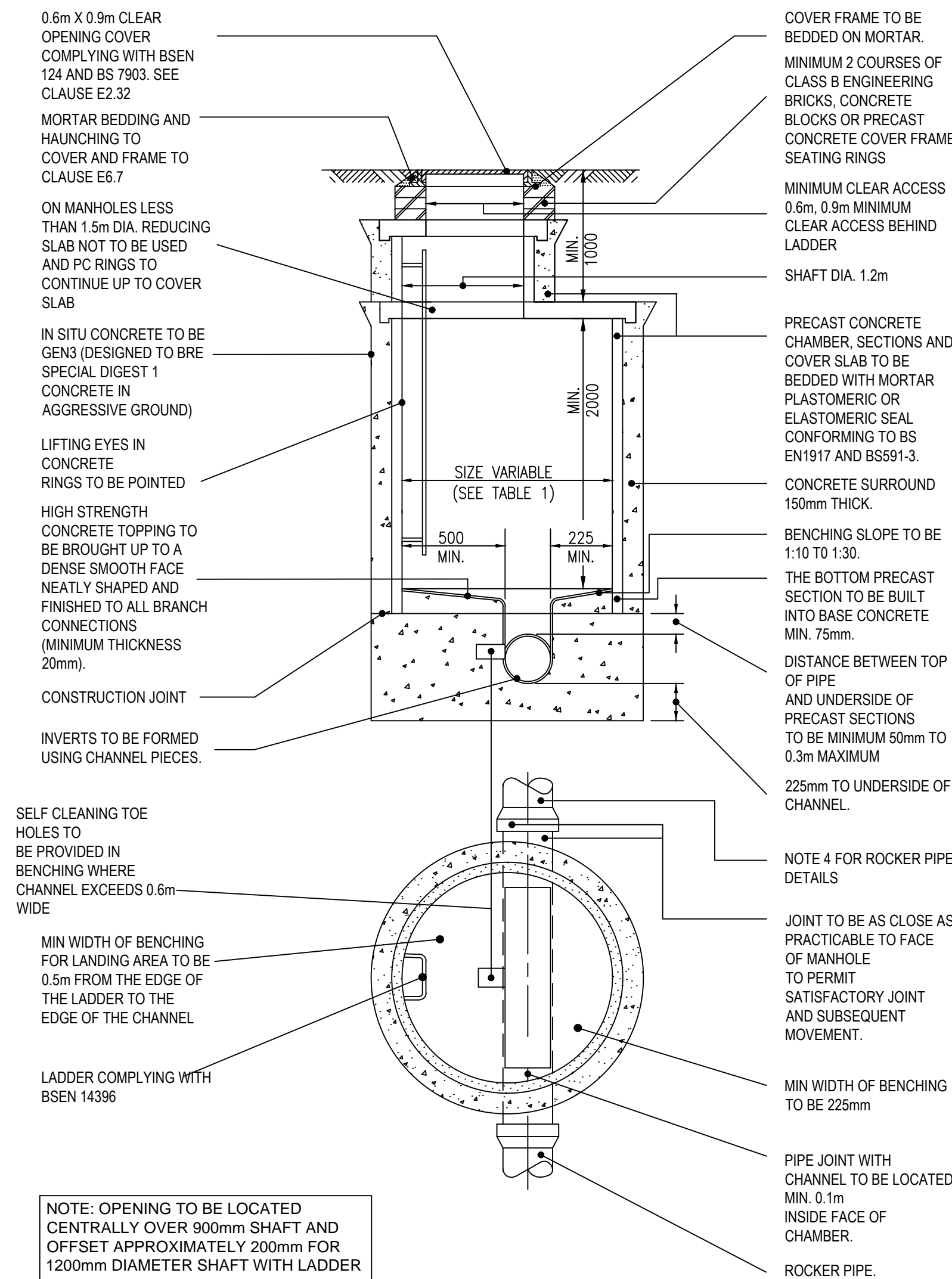
Table 1 rocker pipe lengths

Pipe diameter (mm)	Length (m)
DN150 - DN600	0.6
DN675 - DN750	1.0
DN825 +	1.25

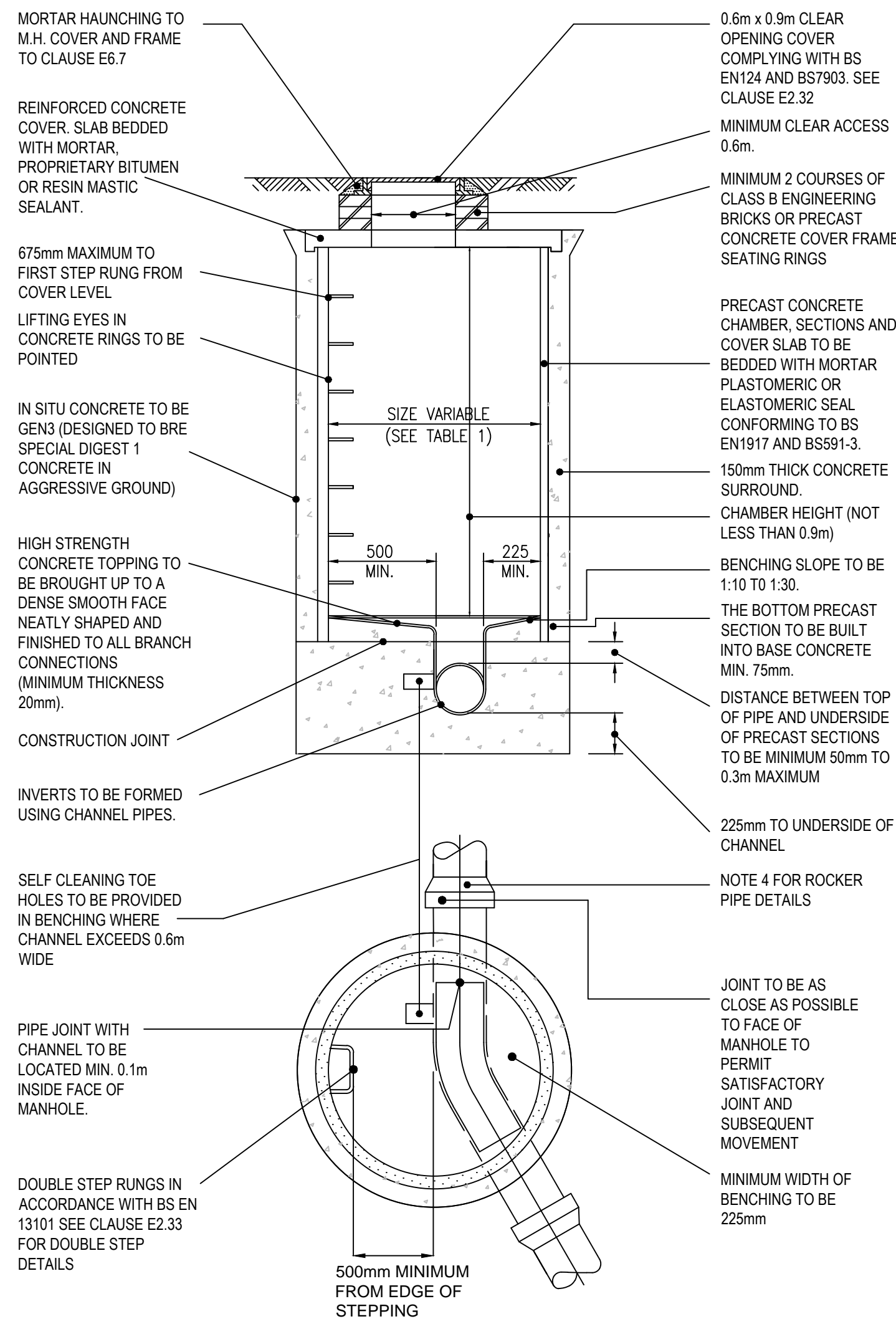
6. Only written dimensions are to be used.
7. Concrete benching and pipe surround shall be placed in single continuous operation from top of base slab.
8. Surface water connections shall be constructed with soffits level unless shown otherwise.
9. Cut ends of reinforced concrete pipes shall be treated with epoxy resin paint/mortar.
10. Manholes are to be to sewers for adoption 7th edition. Manhole sizes shall be (unless noted otherwise in manhole schedules):

Table 2 manhole diameters

Diameter of largest pipe in manhole (mm)	Internal diameter (mm)
<375	1200
375-450	1350
500-700	1500
750-900	1800
>900	Pipe diameter + 900



**TYPICAL MANHOLE DETAIL - TYPE 1A**  
(DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3.0m - 6.0m)  
(Not to Scale)



**TYPICAL MANHOLE DETAIL - TYPE 2**  
(MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m)  
(Not to Scale)

1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Apprv'd

## FOR INFORMATION

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Project	WYLFA NEWYDD DCO PROJECT
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Drawing Title

A5025 OFF-LINE HIGHWAY IMPROVEMENTS  
STANDARD DETAILS  
DRAINAGE  
SHEET 2

Regulation 5 (2) (o)

Security Status NOT PROTECTIVELY MARKED

Scale	Not to Scale	Sheet Size	A1	Sheet(s)	1 of 1
Drawing Number WN0902-HZDCO-OHW-DRG-00070					Rev 1.0