

Wylfa Newydd Project

2.6.1 Wylfa Newydd Development Area – Power Station Site Plans (Part 2 of 2)

PINS Reference Number: EN010007

Application Reference Number: 2.6.1

12 February 2019

Revision 3.0

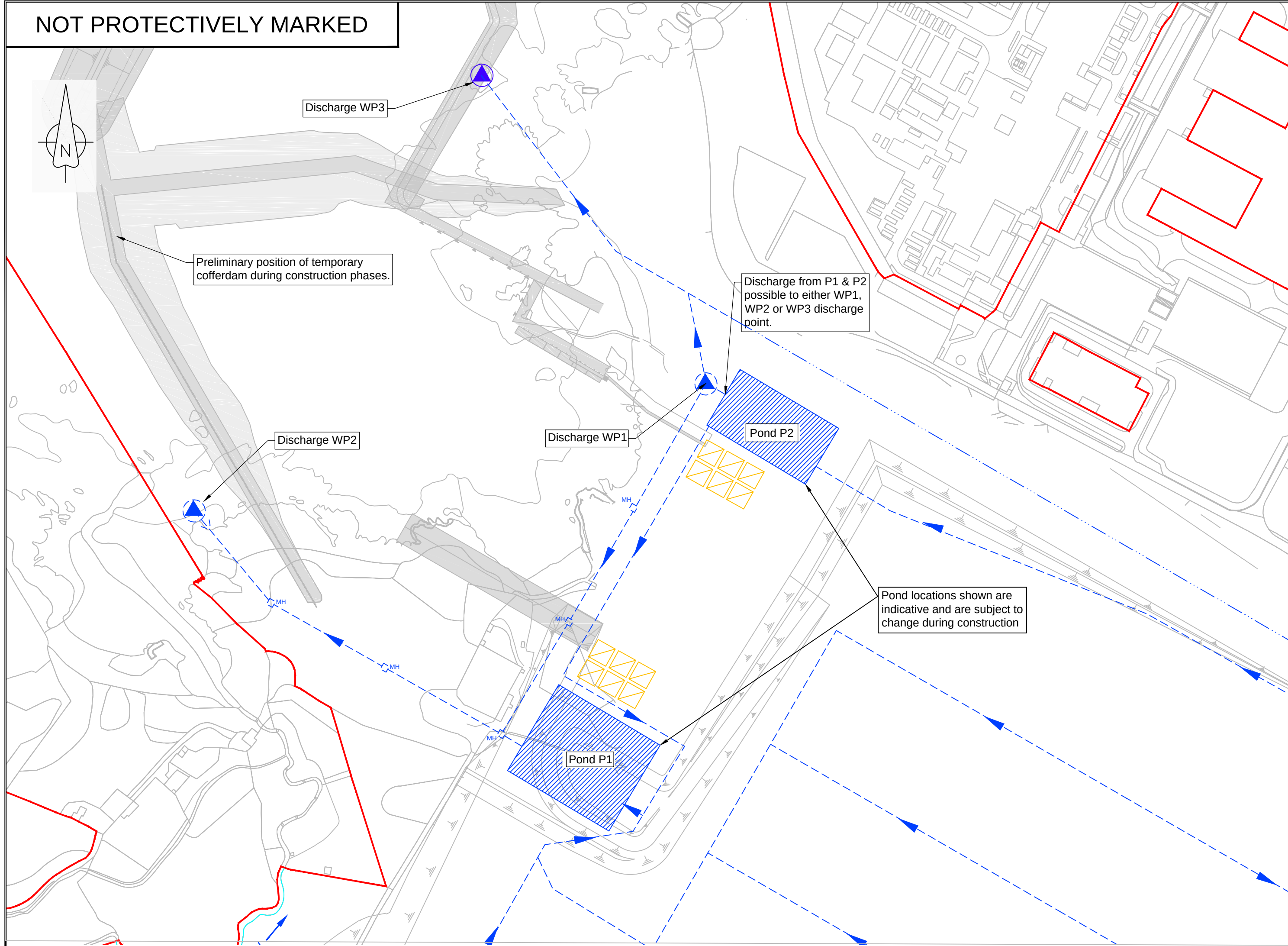
Examination Deadline 5

Regulation Number: 5(2)(o)

Planning Act 2008

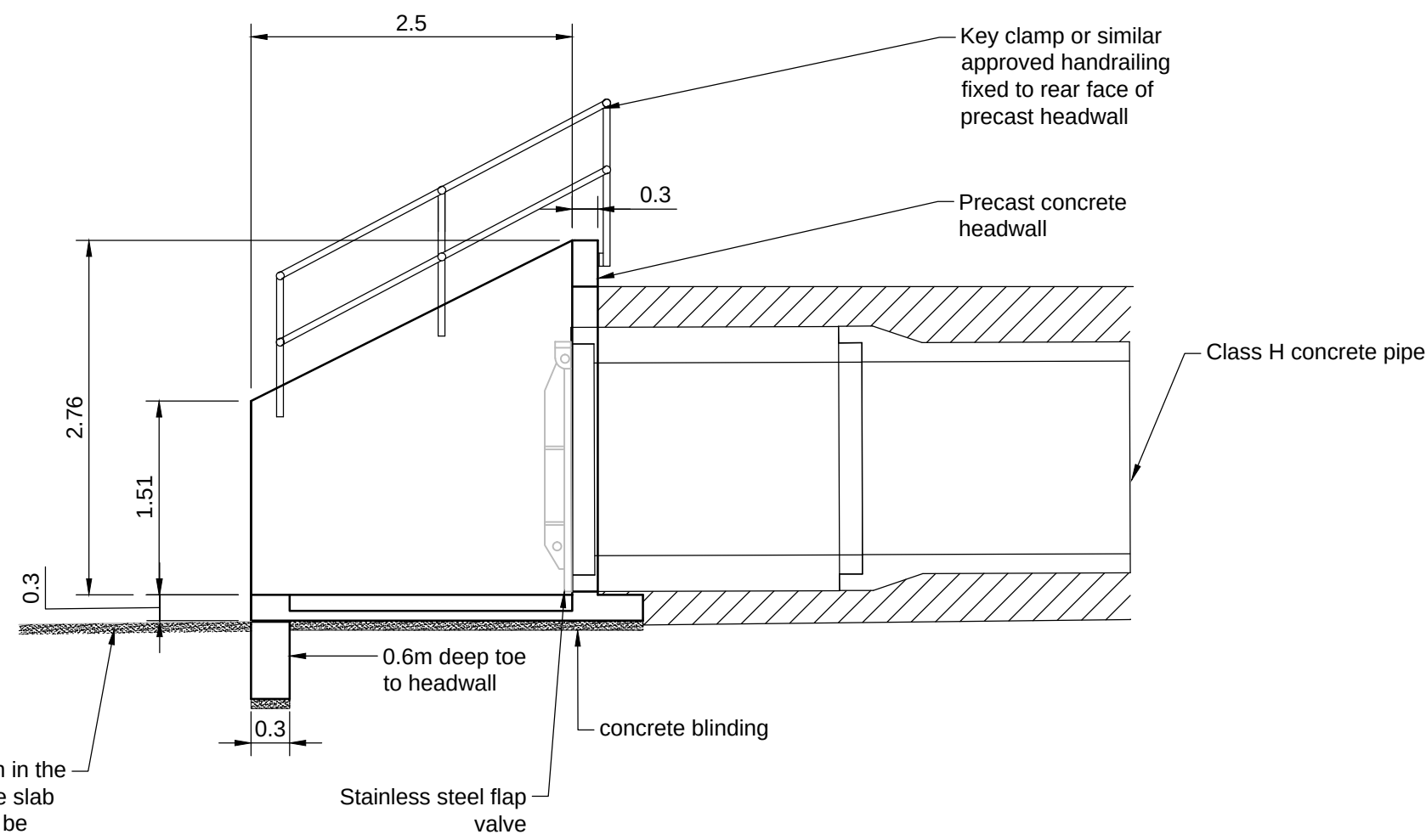
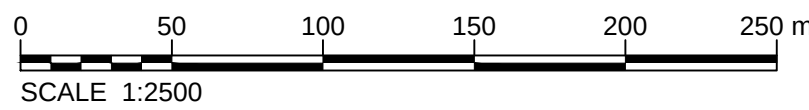
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

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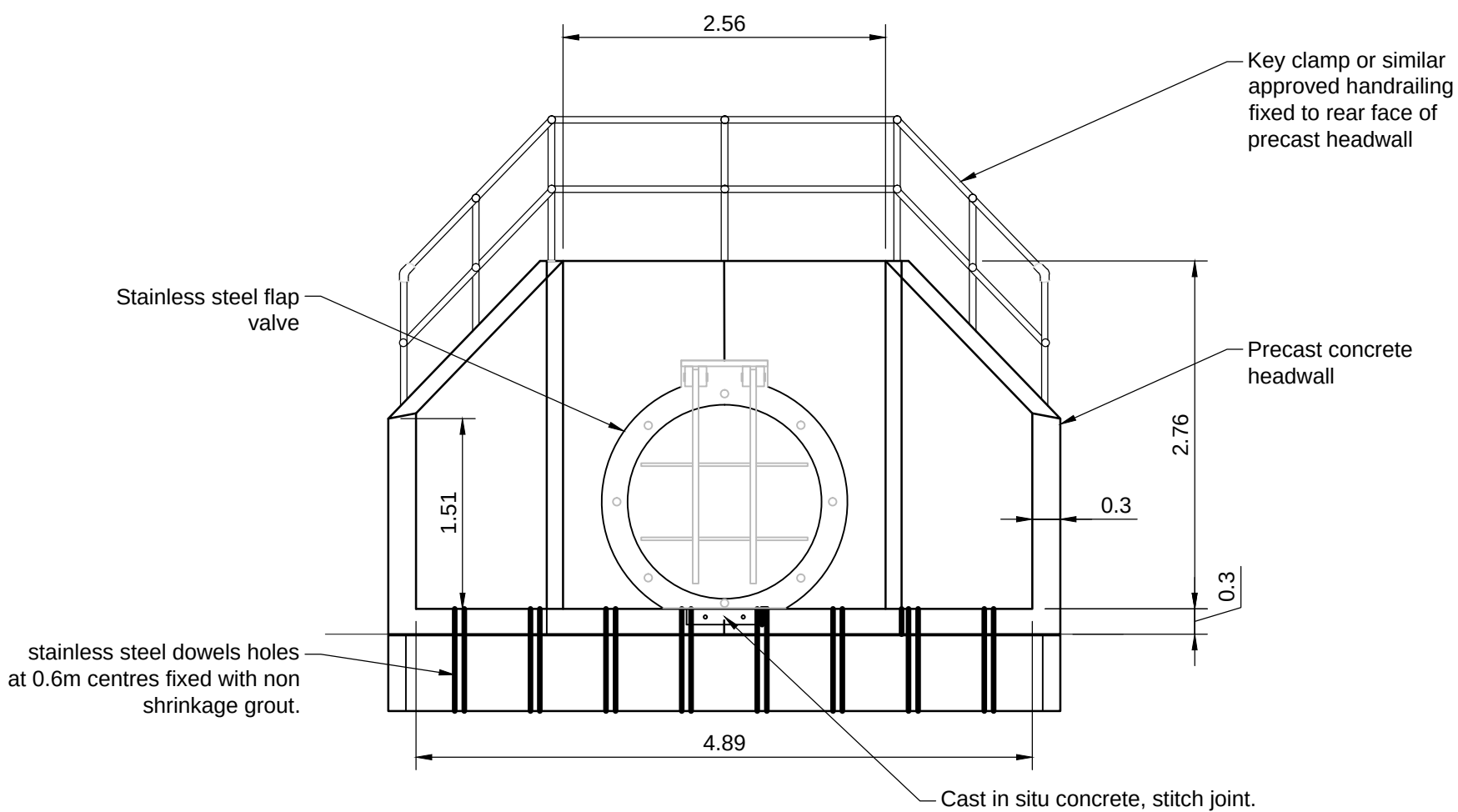
KEY PLAN

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

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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)

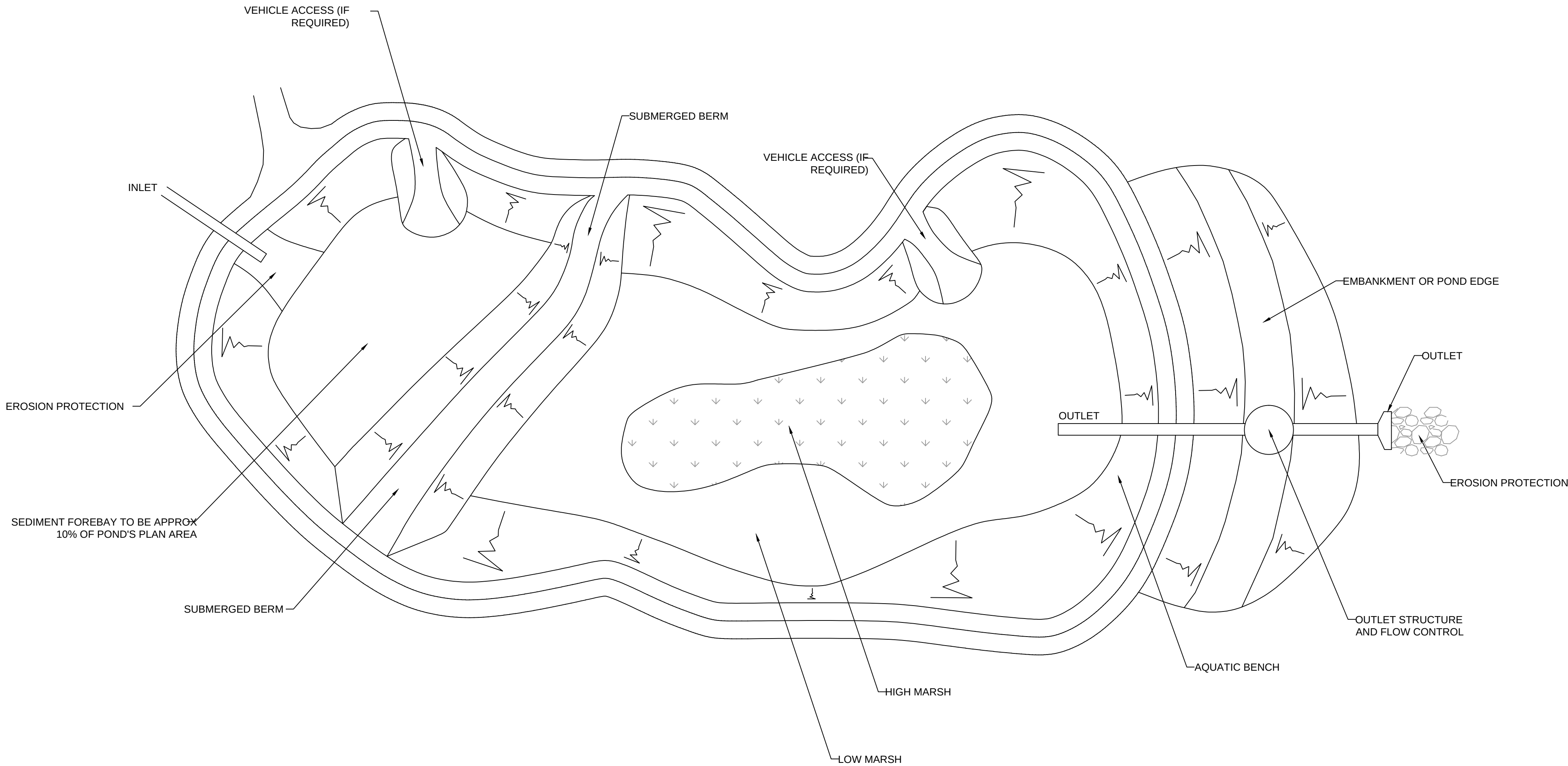
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Drawing Number					Rev	
WN0902-HZDCO-LFM-DRG-00019					1.0	

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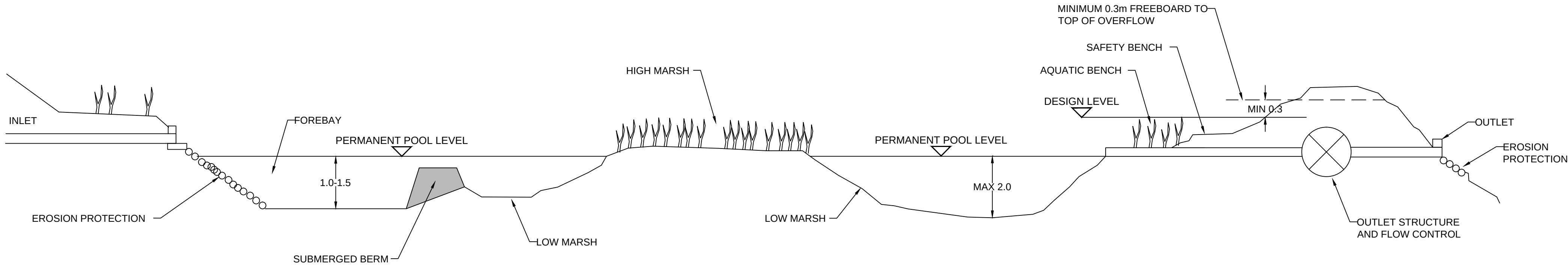
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1. All dimensions in metres unless otherwise stated.
2. For pond locations refer to drawings WN0902-HZDCO-LFM-DRG-00009 and WN0902-HZDCO-LFM-DRG-00013



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**

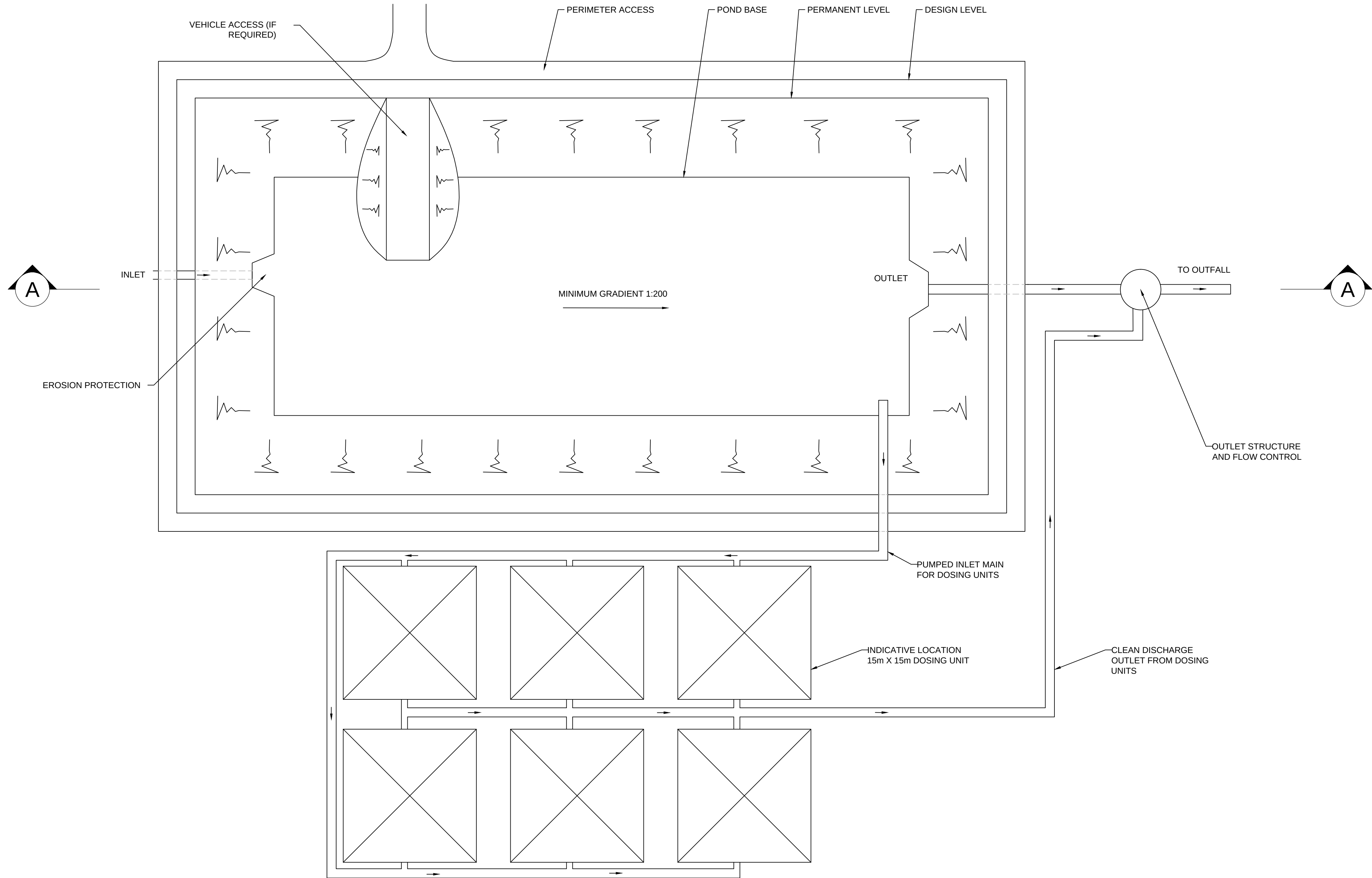
Drawing Title
**WYLFA NEWYDD DEVELOPMENT AREA
CONSTRUCTION LANDFORM
STANDARD DETAILS
TREATMENT PONDS**

Regulation 5 (2) (o)

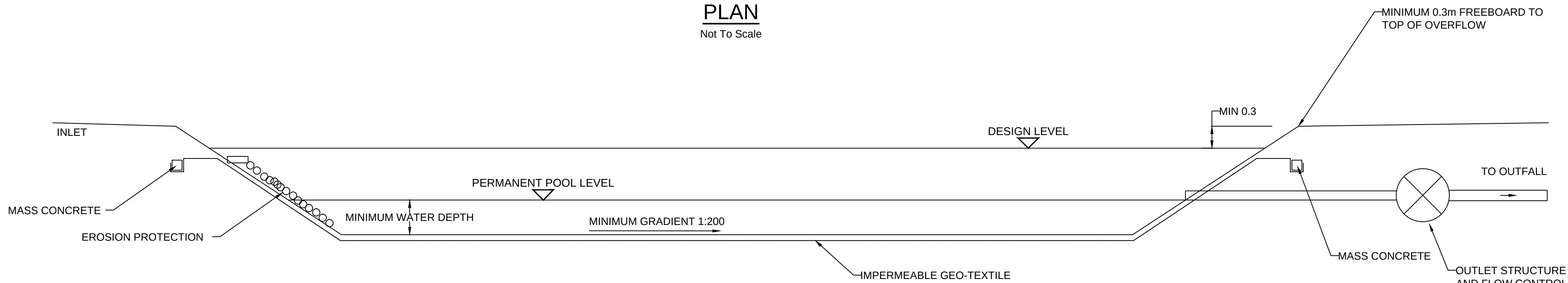
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Drawing Number	WN0902-HZDCO-LFM-DRG-00020				Rev 1.0

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

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Scale	Not To Scale	Sheet Size	A1	Sheet(s)	1 of 1
Drawing Number				Rev	
WN0902-HZDCO-LFM-DRG-00021				1.0	

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INSET

The inset map shows a larger geographical area with a red line tracing the boundary of the study area. A north arrow is located in the top left corner of the inset map. The map includes various geographical features such as roads, rivers, and land use patterns.

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SEE INSET

Topographic map showing the area around Mound A and Mound B. The map includes contour lines, drainage patterns, and various structures. Key features include:

- MOUND A**: Located in the upper right quadrant.
- MOUND B**: Located in the center of the map.
- MOUND C**: Located in the lower left quadrant.
- MOUND D**: Located on the far left edge.
- Power station drainage**: Indicated by a blue line and a note: "Power station drainage (see note 4)." near the center-left.
- Scale**: A scale bar at the bottom right indicates distances from 0 to 500 meters.
- Scale**: The scale is 1:5000.

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NOTES

1. Ponds shown indicatively only.
2. Drainage is proposed for landscape areas only.
3. For drainage details/plans refer to WN0902-HZDCO-LFM-DRG-00009.
4. For power station site drainage refer to WN0902-HZDCO-MSP-DRG-00005.

LEGEND

	Order limits
	Sedimentation pond
	Indicative location of ecological mitigation pond
	Discharge to watercourse
	Outfall to sea
	Culvert
	Permanent ditch / swale / pipe
	Security ditch
	SSSI boundary
	400kV Buried and overhead high voltage cable route & pylon
	Indicative alignment of existing surface water drainage ditch
	Watercourse diversion
	Existing watercourse
	Manhole / chamber
	Proposed site campus access road

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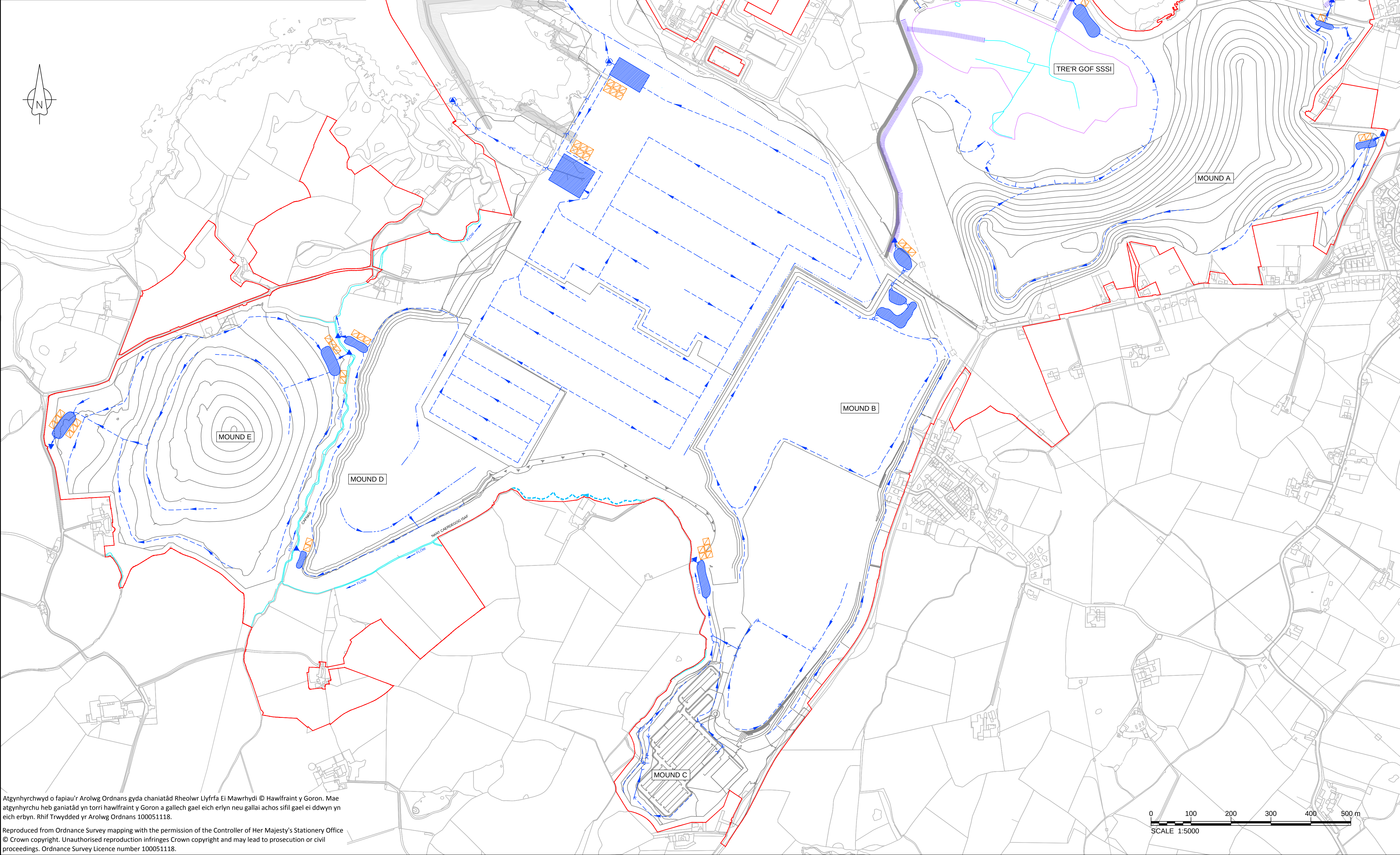
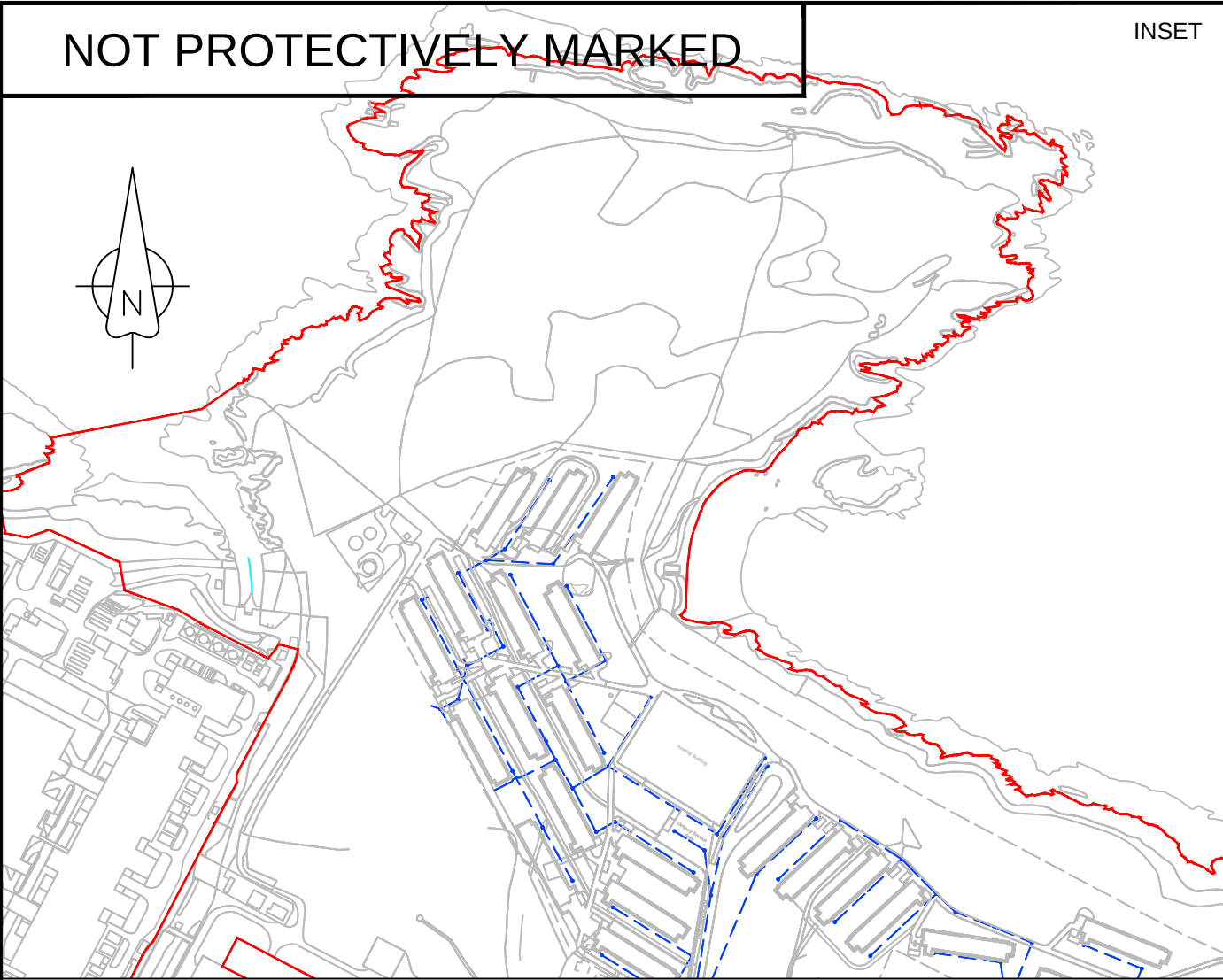
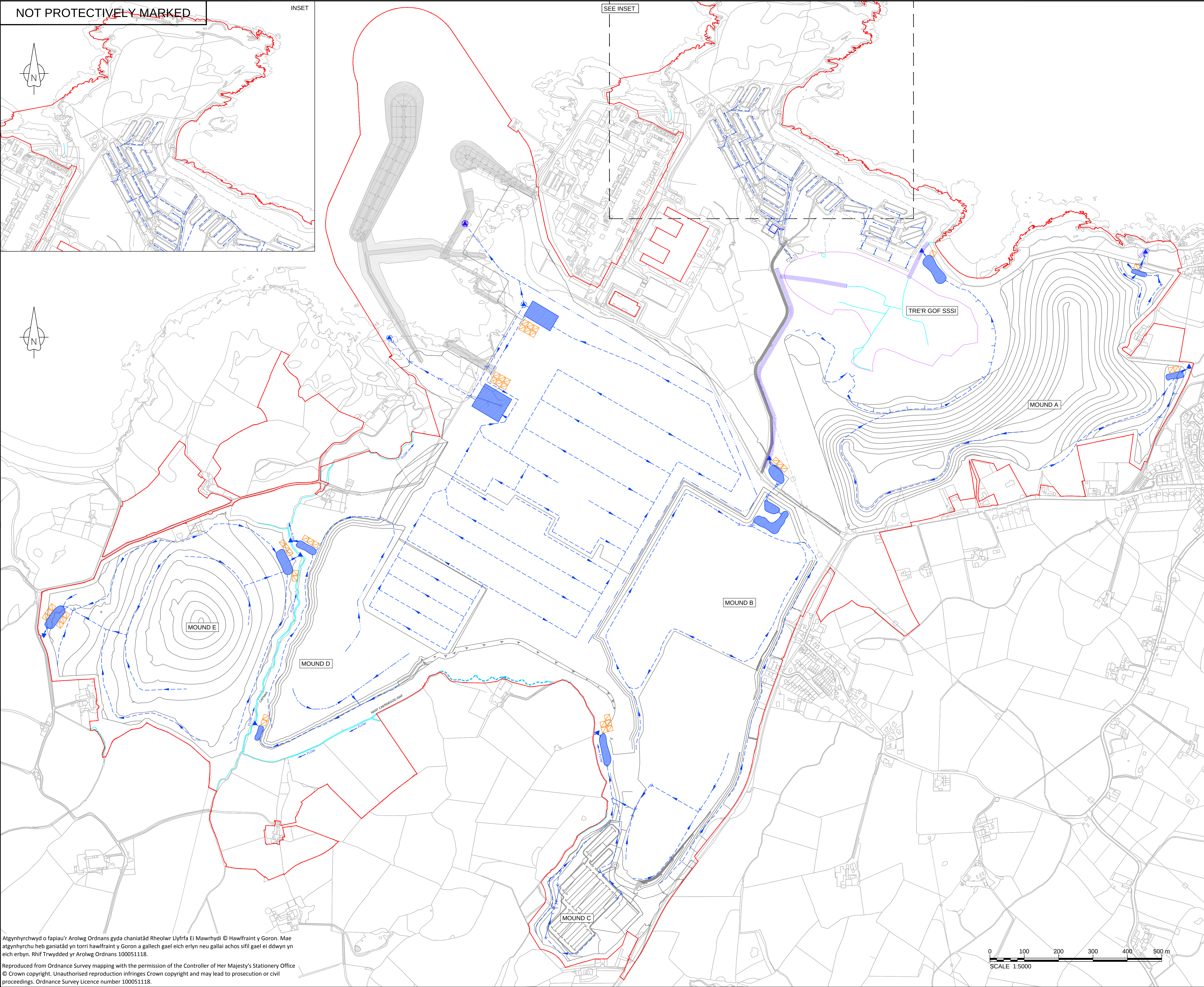
Drawing Title

WYLFA NEWYDD DEVELOPMENT AREA
FINAL LANDFORM
DRAINAGE DESIGN
OVERVIEW

Regulation 5 (2) (o)

Security Status						
NOT PROTECTIVELY MARKED						
Scale	1:5000	Sheet Size	A1	Sheet(s)	1 of 1	
Drawing Number						Rev
WN0902-HZDCO-LFM-DRG-00022						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

Regulation 5 (2) (o)

Security Status

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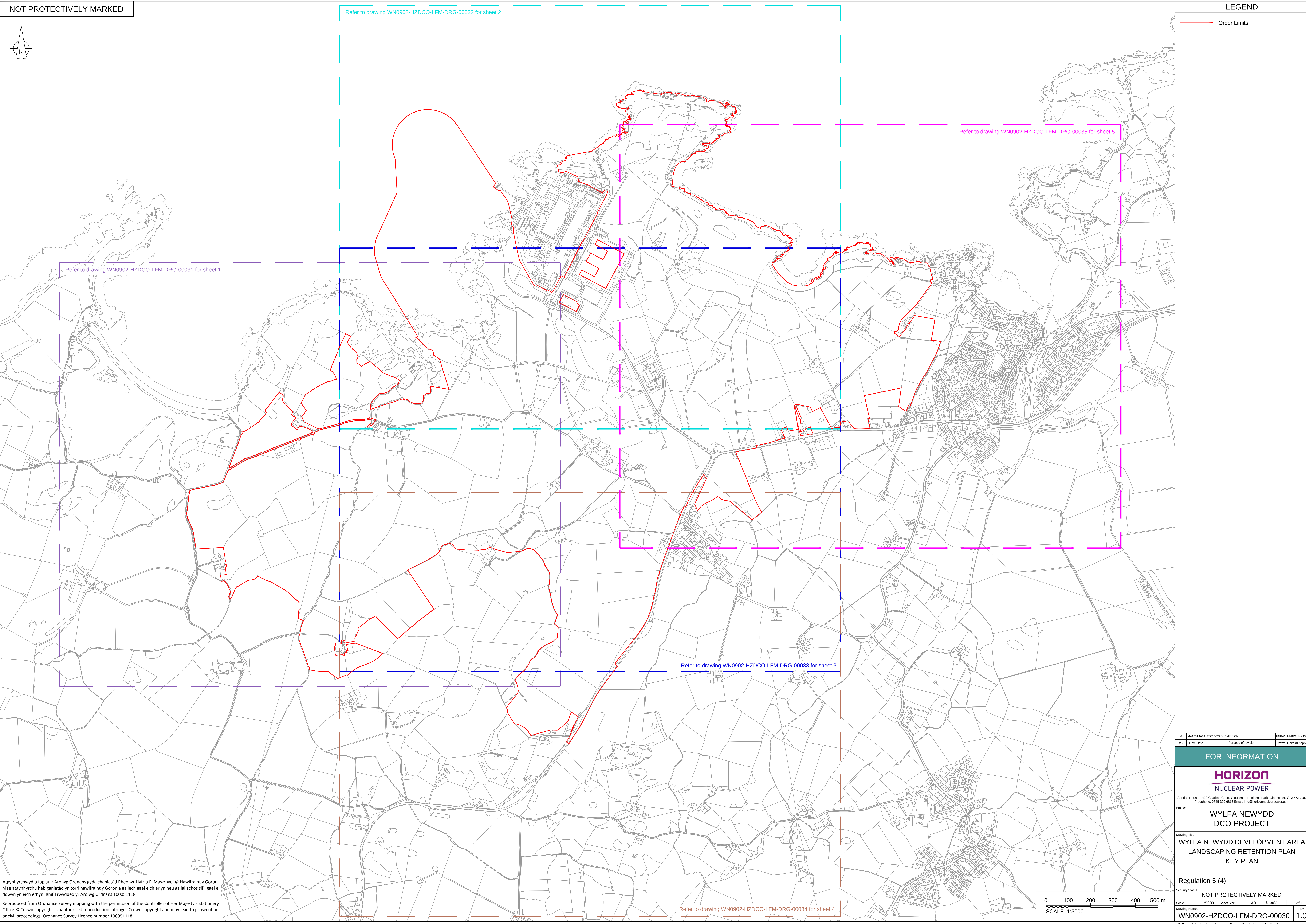
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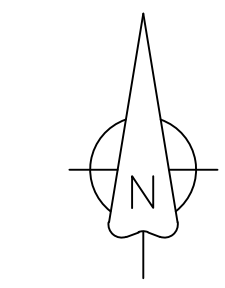
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LEGEND

Order Limits

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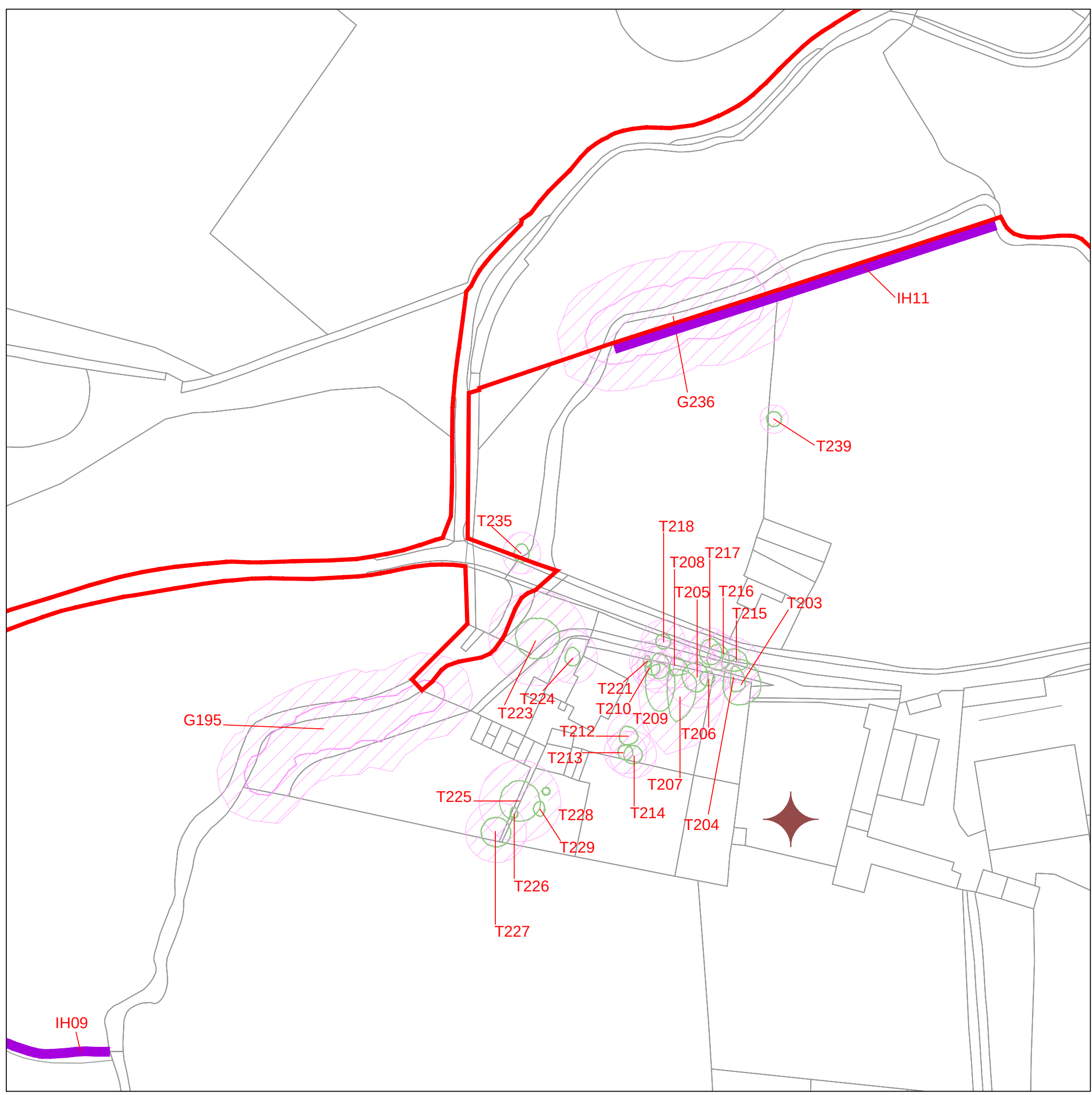
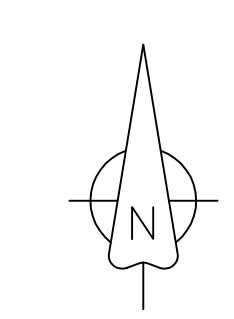
Drawing Title
**WYLFA NEWYDD DEVELOPMENT AREA
LANDSCAPING RETENTION PLAN
KEY PLAN**

Regulation 5 (4)

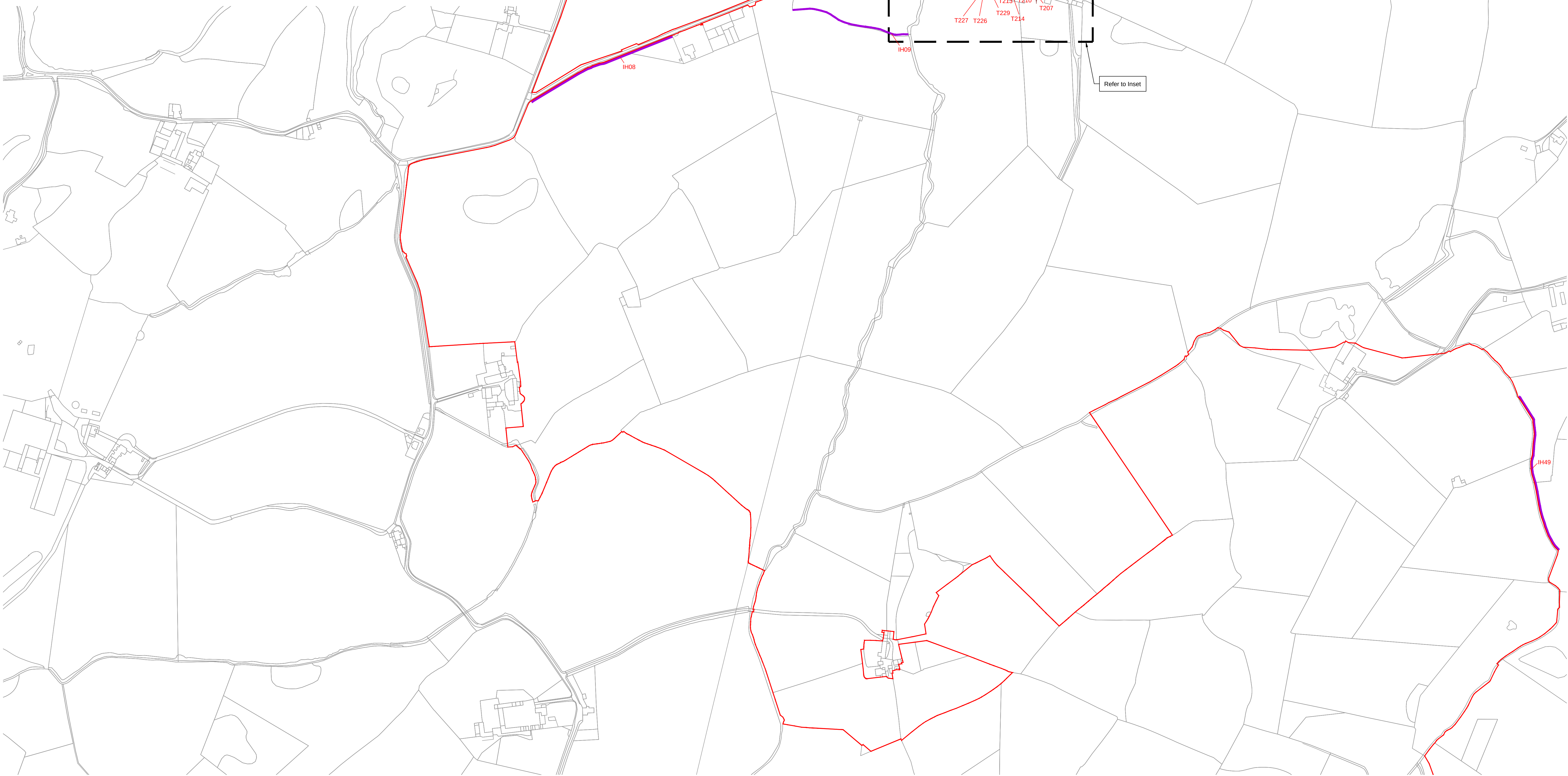
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Drawing Number	WN0902-HZDCO-LFM-DRG-00030					Rev	1.0

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INSET
Scale 1:1000

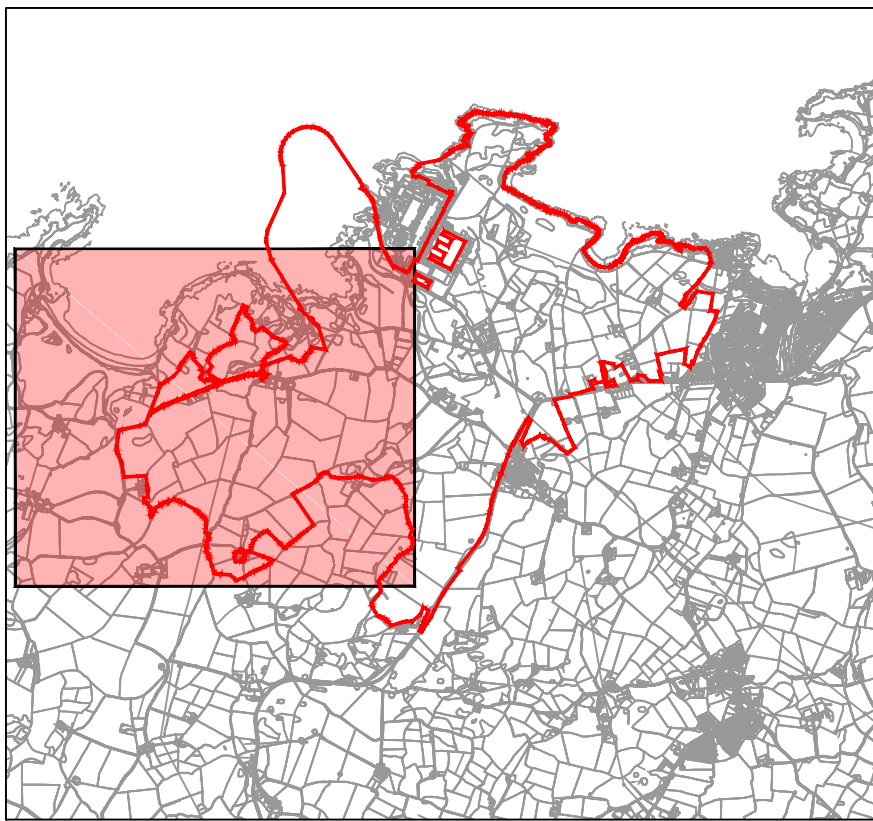


PLAN
Scale 1:2500

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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	HRPW	HRPW	HRPW
Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Project
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DCO PROJECT**

Drawing Title
**WYLFA NEWYDD DEVELOPMENT AREA
LANDSCAPING RETENTION PLAN
SHEET 1**

Regulation 5 (2) (o)

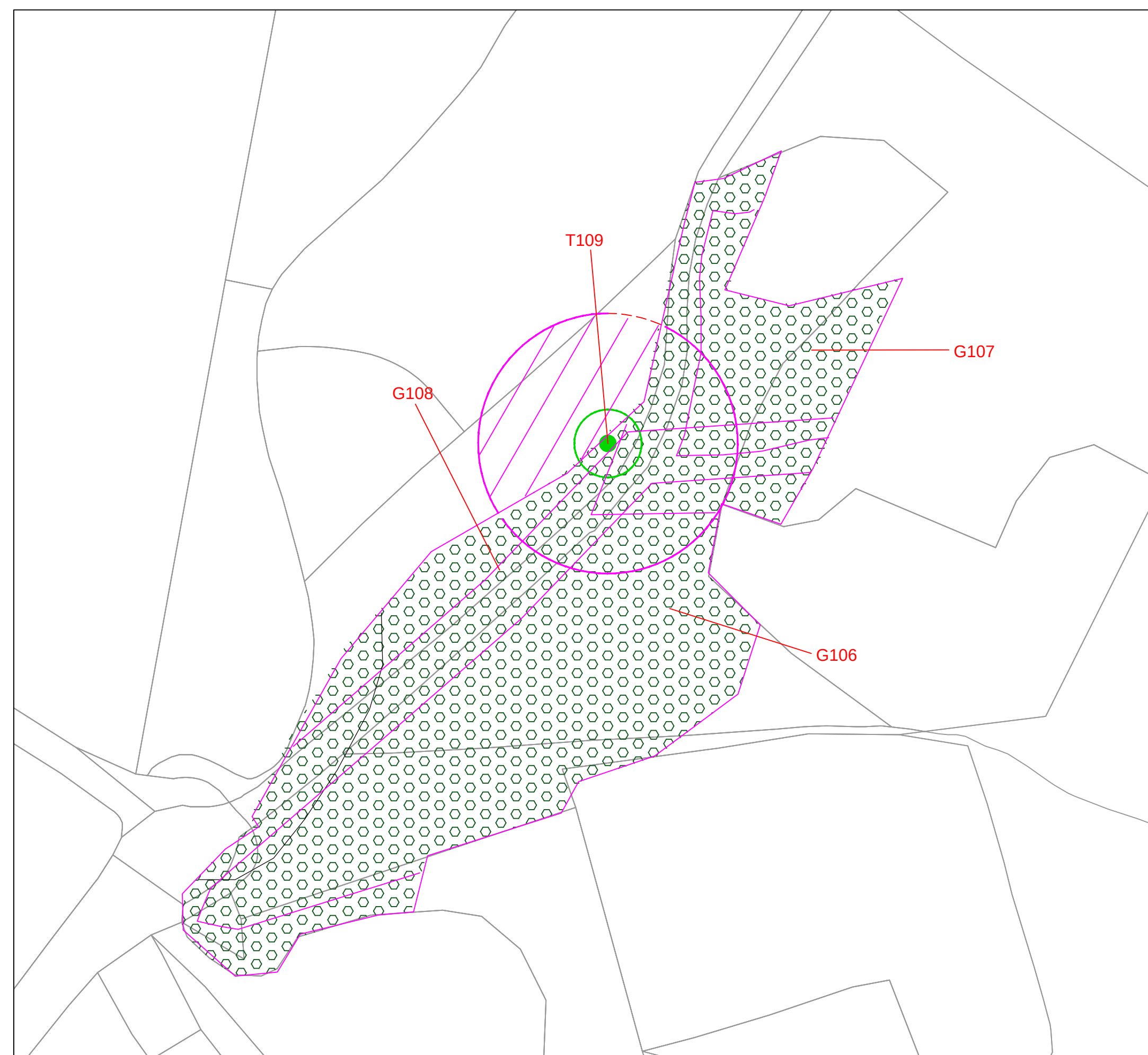
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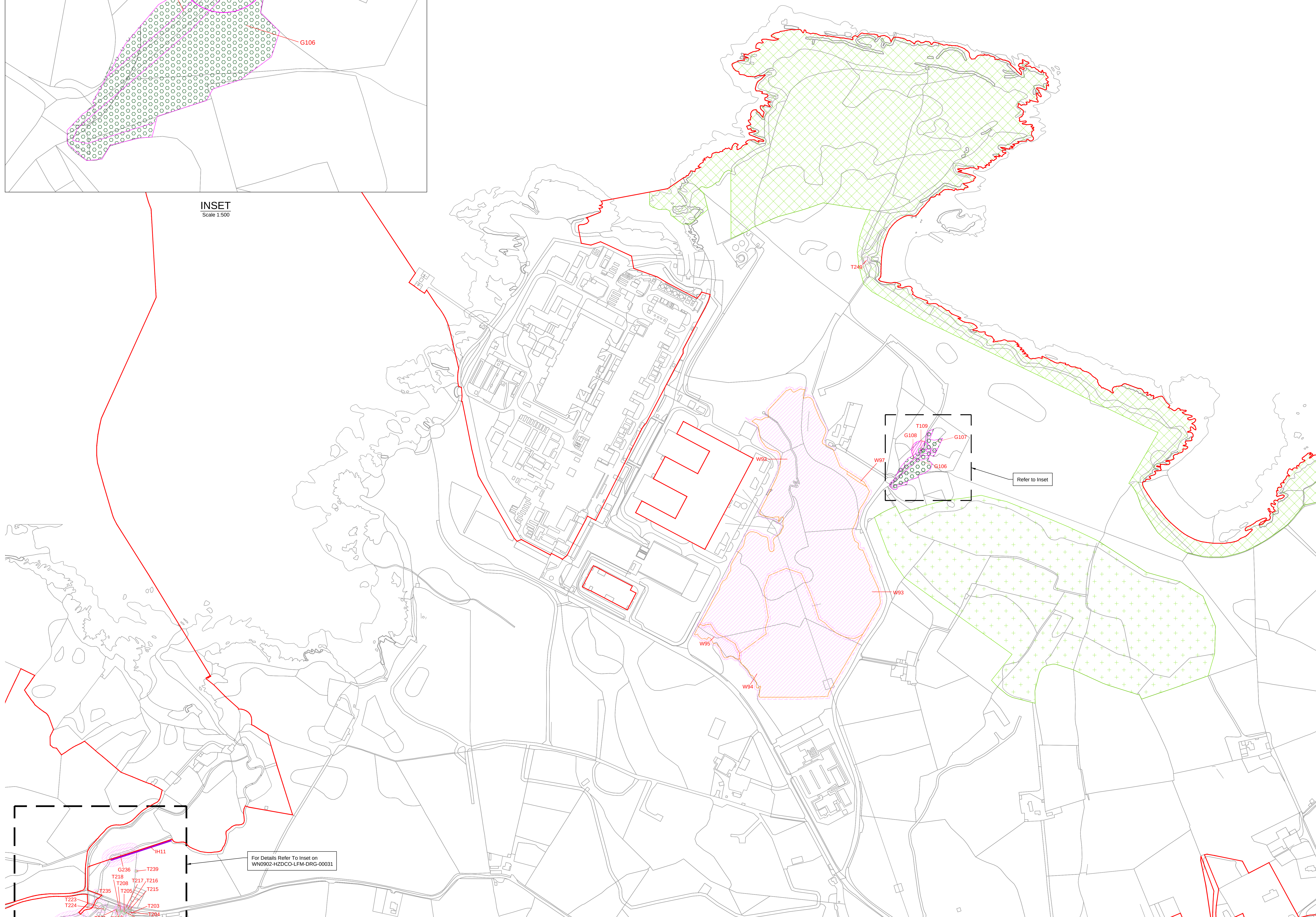
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0 50 100 150 200 250 m
SCALE 1:2500



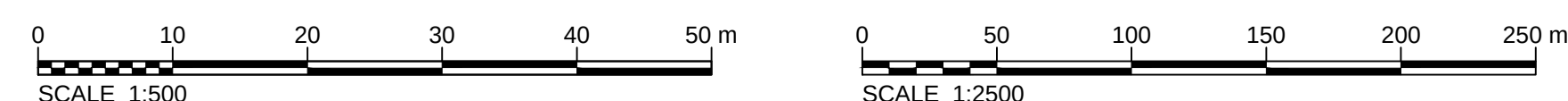
INSET
Scale 1:500



PLAN
Scale 1:2500

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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.

	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	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Drawing Title

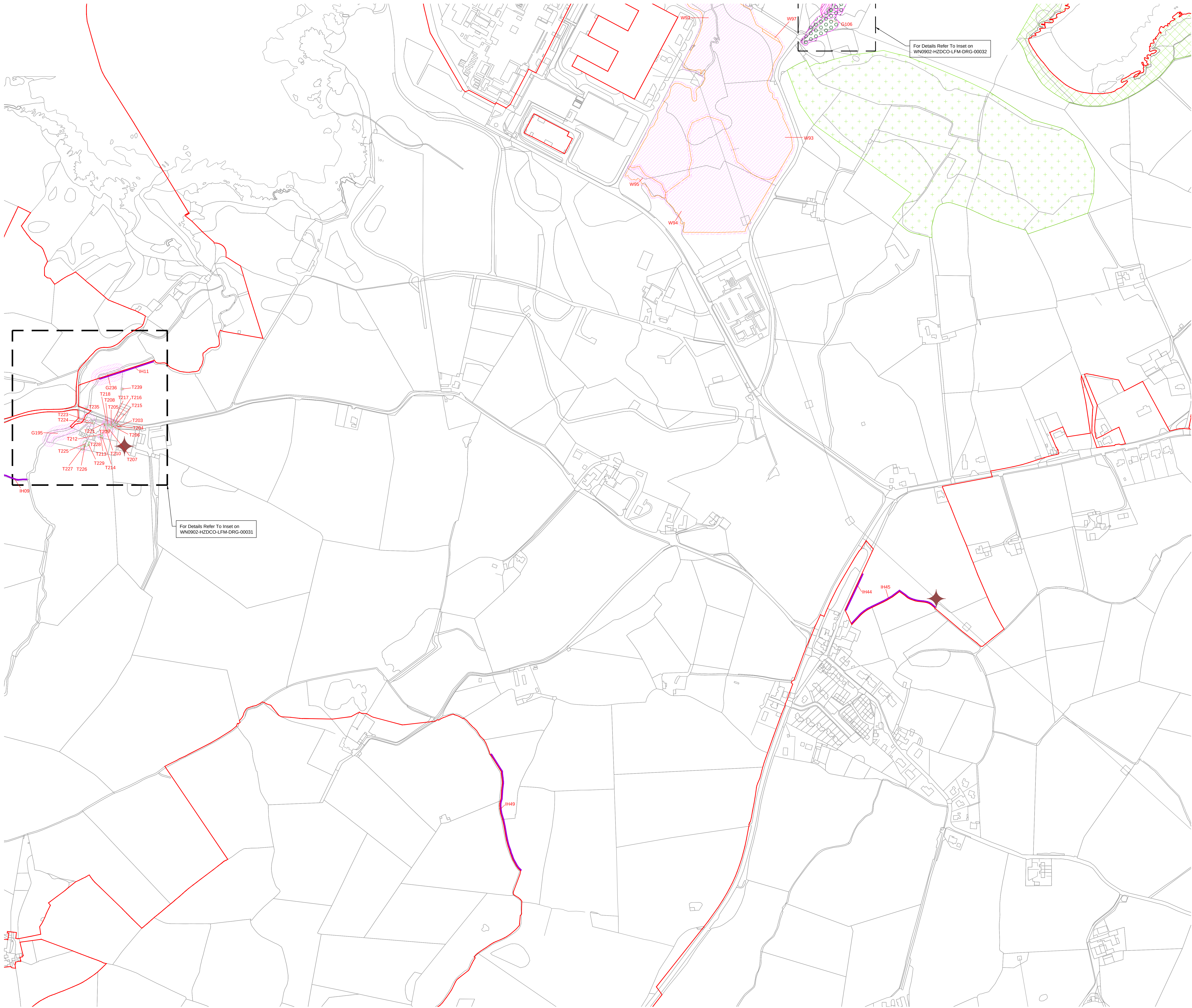
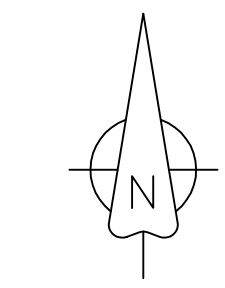
WYLFA NEWYDD DEVELOPMENT AREA
LANDSCAPING RETENTION PLAN
SHEET 2

Regulation 5 (2) (o)

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WN0902-HZDCO-LEM-DRG-00032					1.0

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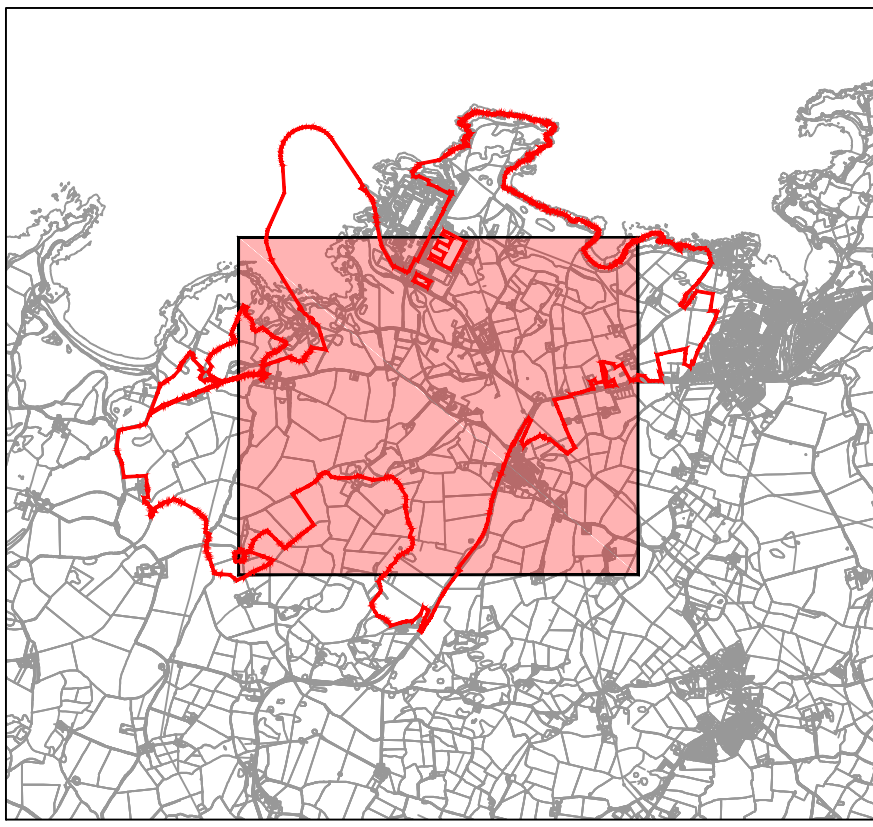


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OVERVIEW



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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	HRPW	HRPW	HRPW
Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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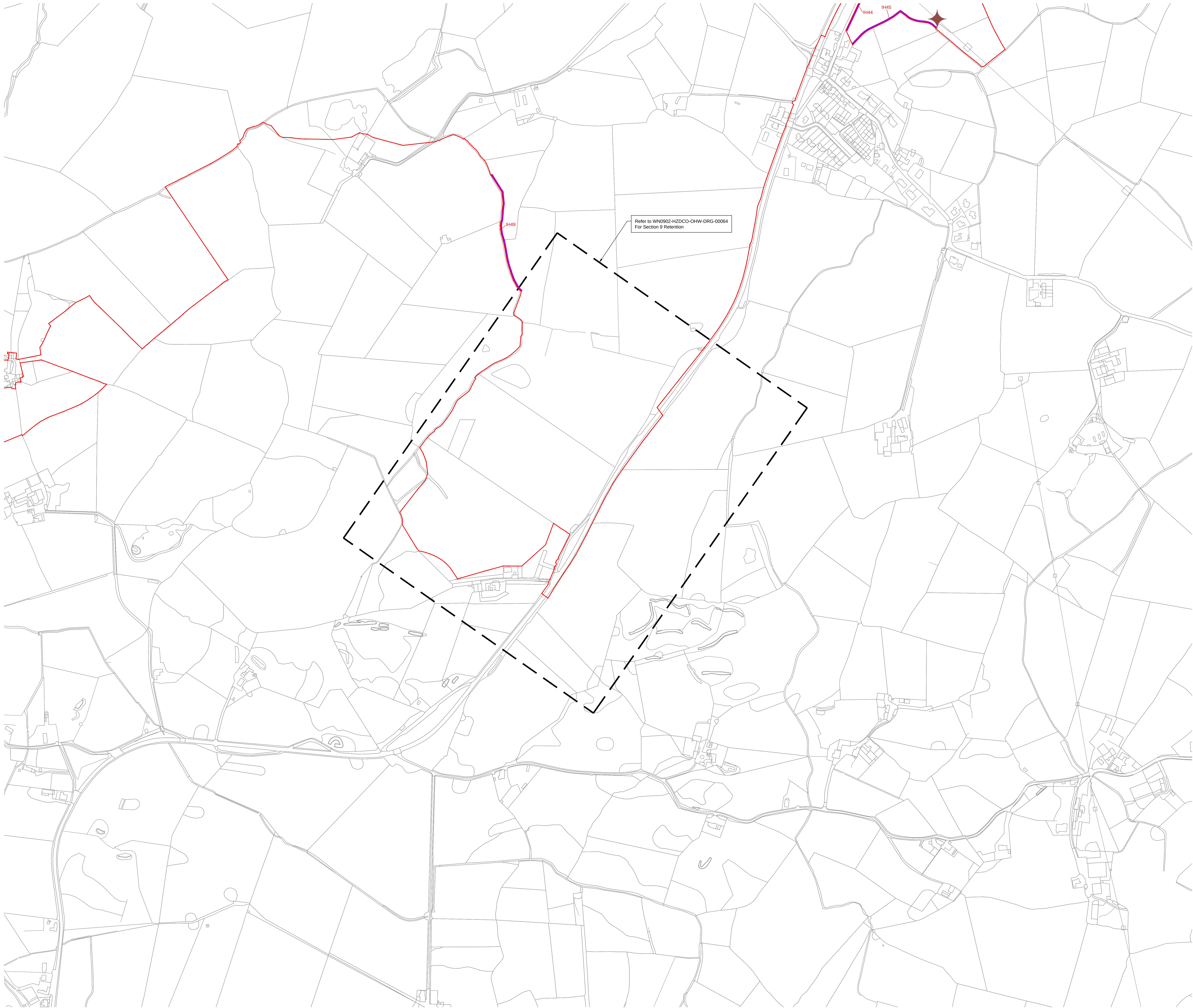
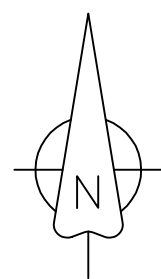
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**WYLFA NEWYDD DEVELOPMENT AREA
LANDSCAPING RETENTION PLAN
SHEET 3**

Regulation 5 (2) (o)

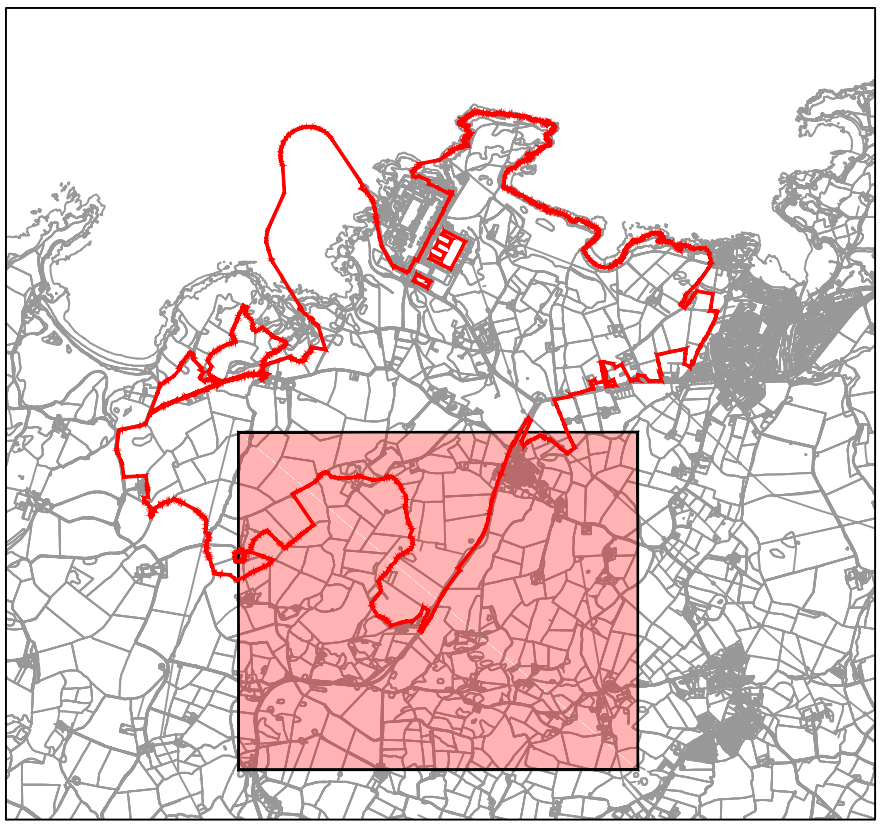
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LEGEND

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To include a 10m Offset
- Important Hedgerow
(Hedgerow Regulations 1997)
To be retained

1.0	MAY 2018	FOR DCO SUBMISSION	HRPW	HRPW	HRPW
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Project
**WYLFA NEWYDD
DCO PROJECT**

Drawing Title
**WYLFA NEWYDD DEVELOPMENT AREA
LANDSCAPING RETENTION PLAN
SHEET 4**

Regulation 5 (2) (o)

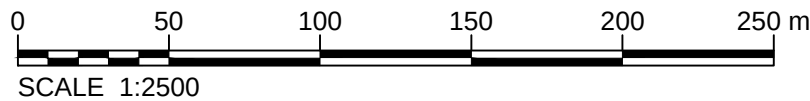
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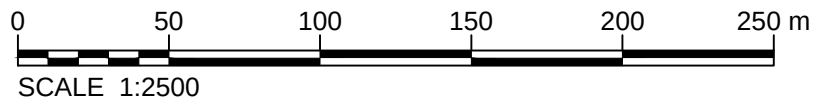
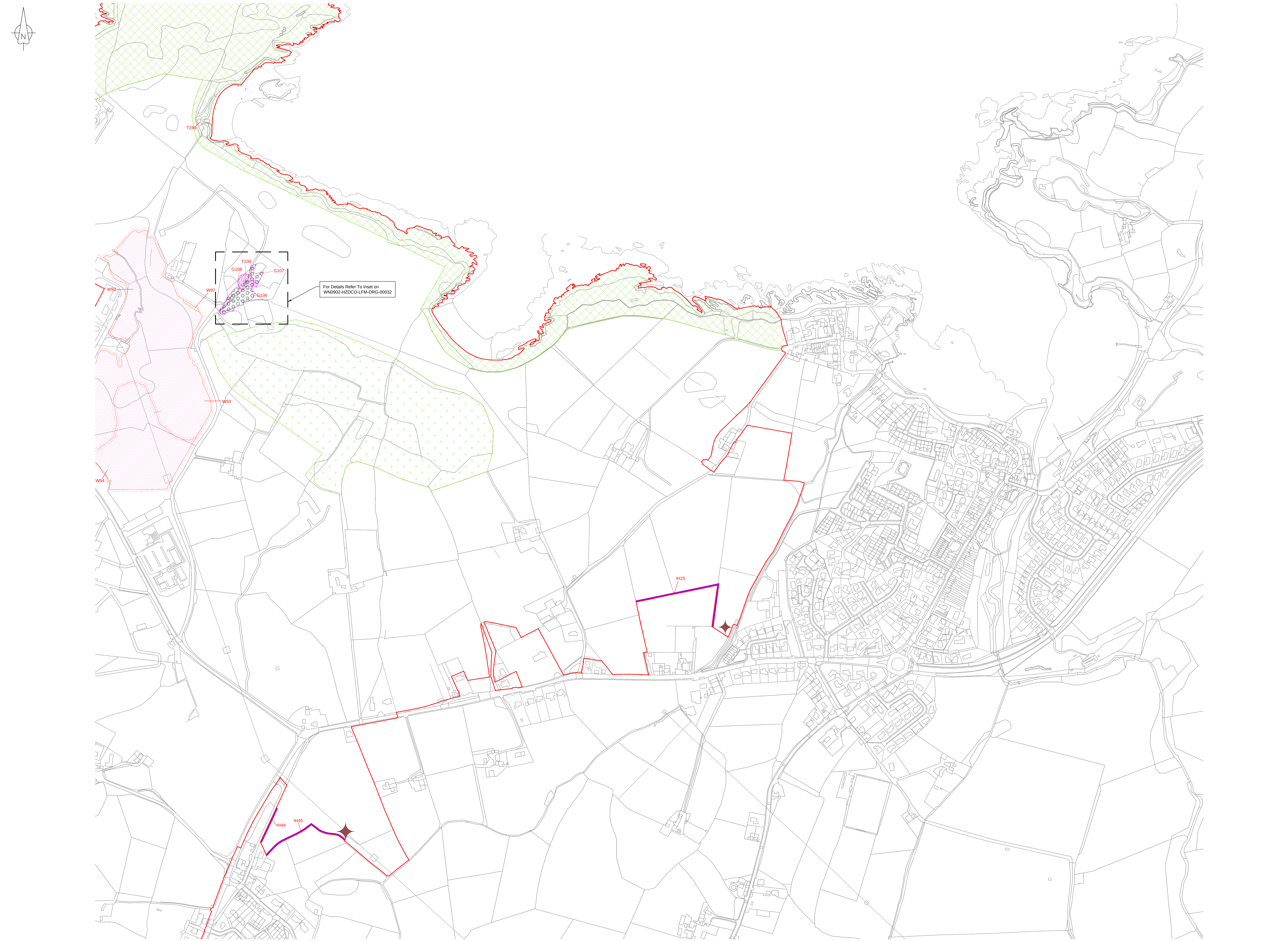
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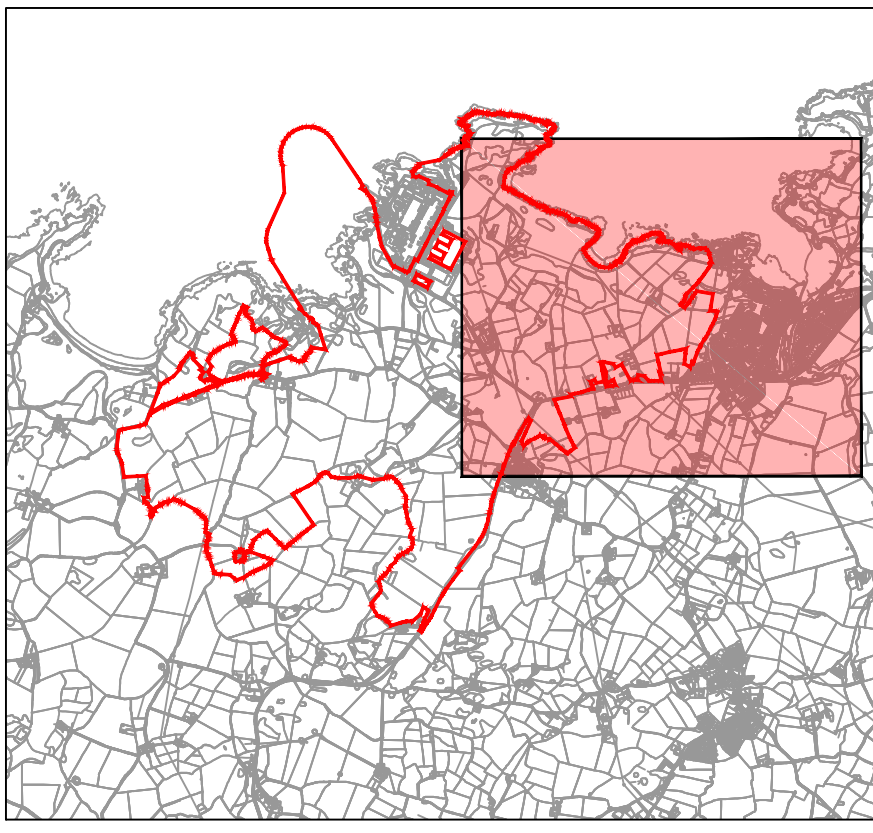
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OVERVIEW



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	HRPW	HRPW	HRPW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

FOR APPROVAL

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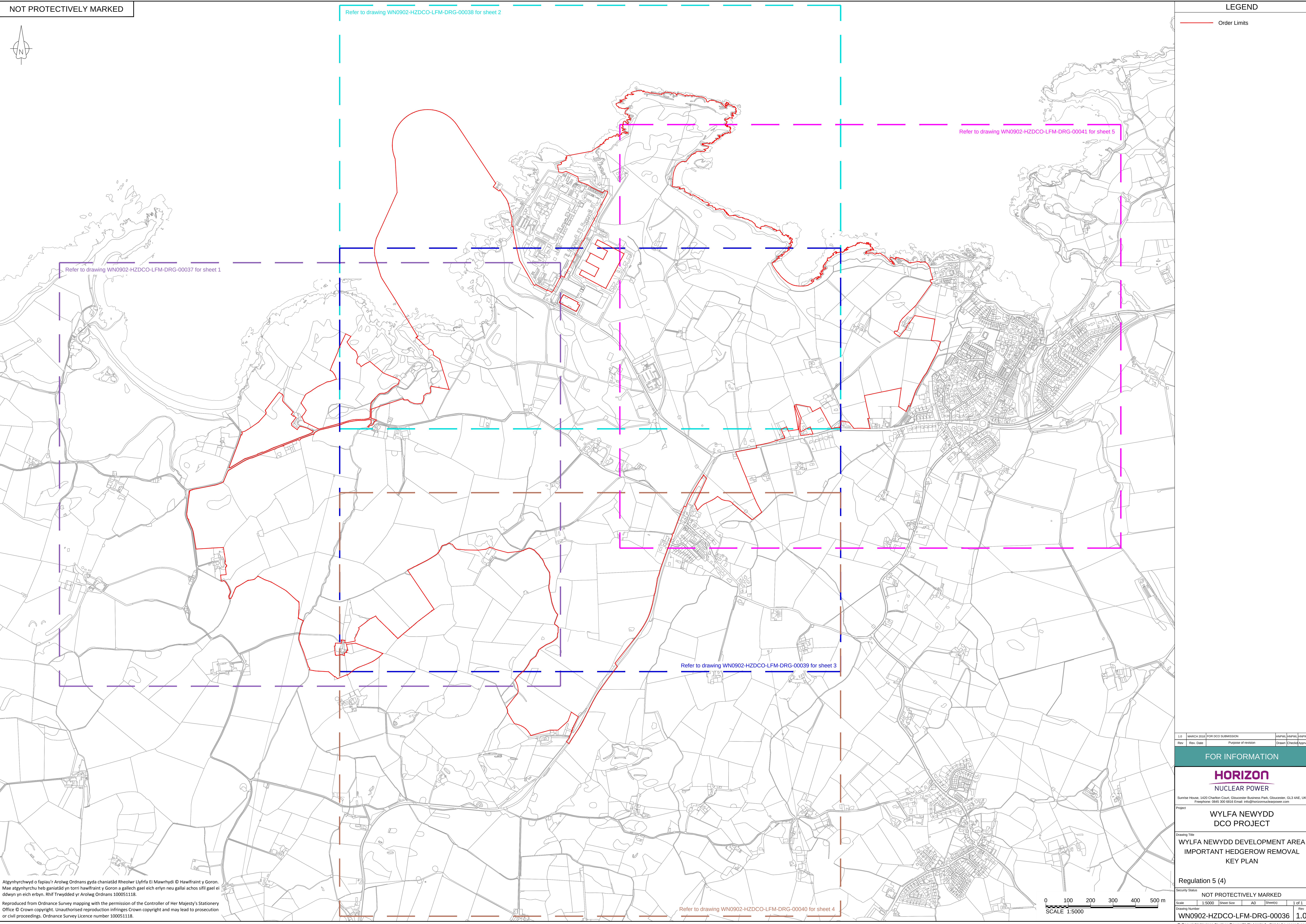
Project
**WYLFA NEWYDD
DCO PROJECT**

Drawing Title
**WYLFA NEWYDD DEVELOPMENT AREA
LANDSCAPING RETENTION PLAN
SHEET 5**

Regulation 5 (2) (o)

NOT PROTECTIVELY MARKED

Scale	1:2500	Sheet Size	A0	Sheet(s)	1 of 1
Drawing Number	WN0902-HZDCO-LFM-DRG-00035	Rev	1.0		



LEGEND

Order Limits

1.0

MARCH 2018

FOR DCO SUBMISSION

HRPW

HRPW

HRPW

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

Regulation 5 (4)

Security Status

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1 of 1

Rev

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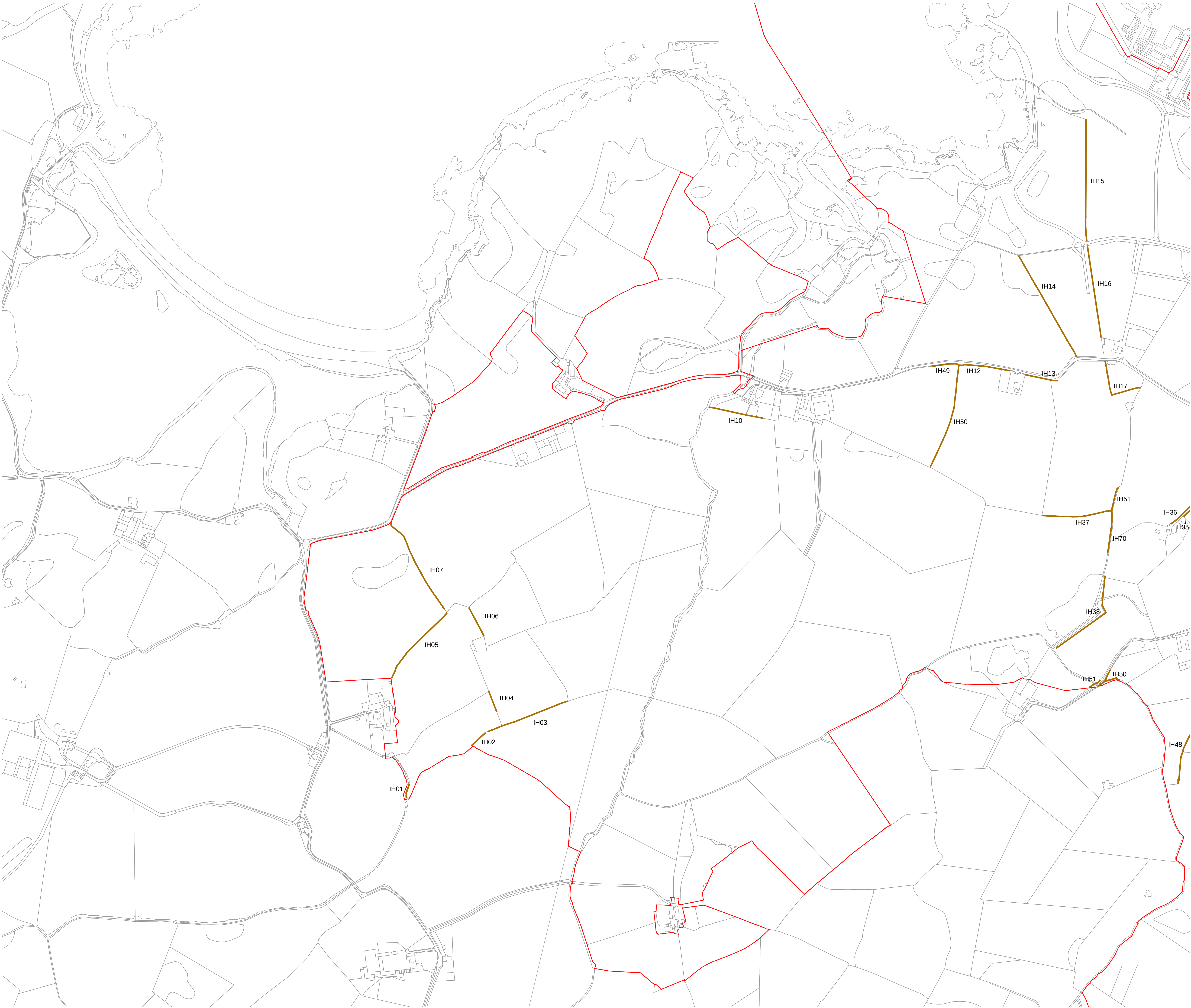
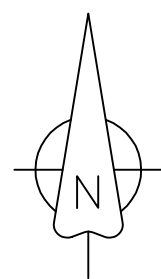
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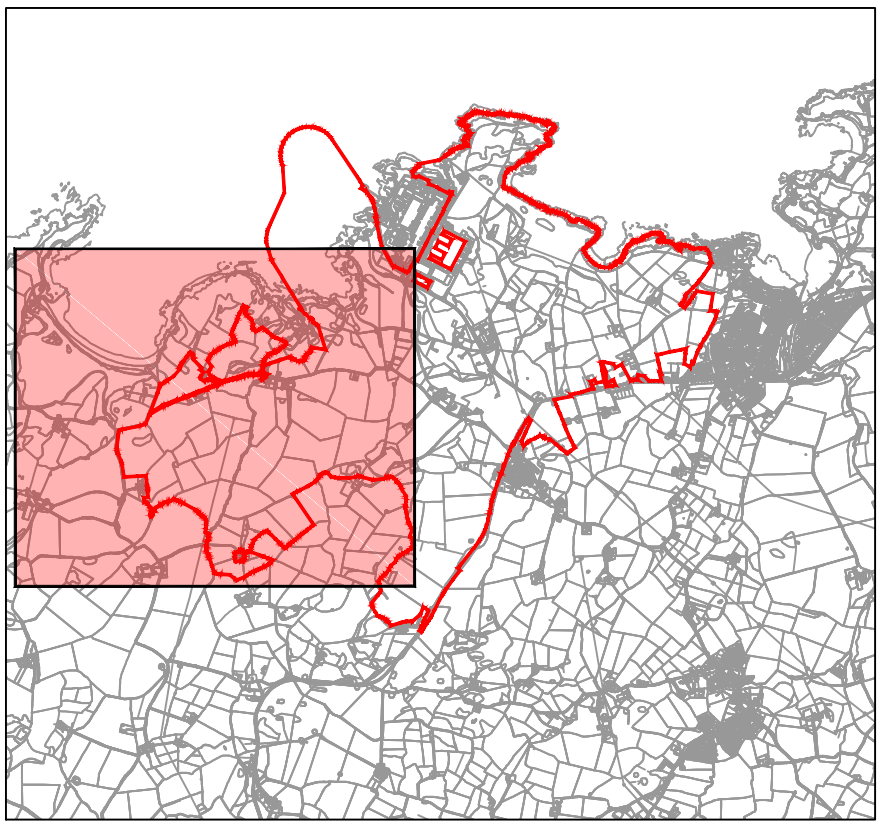
Rev

1.0

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OVERVIEW



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	HRPW	HRPW	HRPW
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)

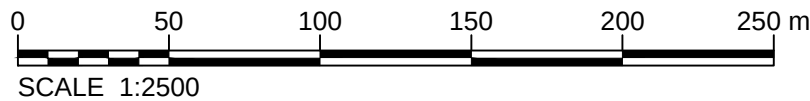
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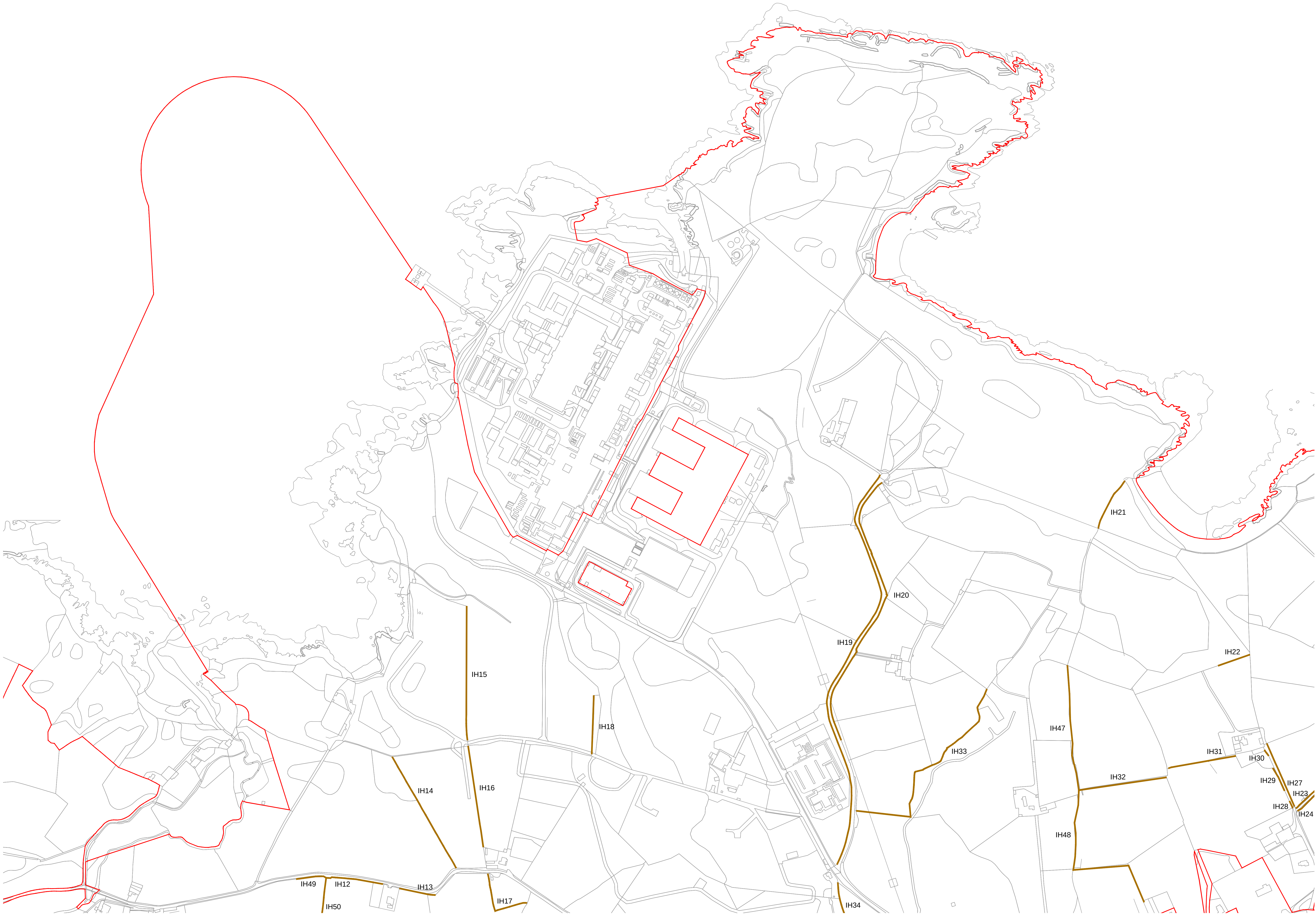
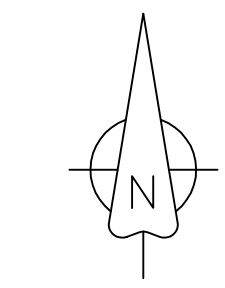
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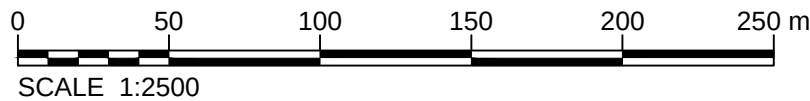
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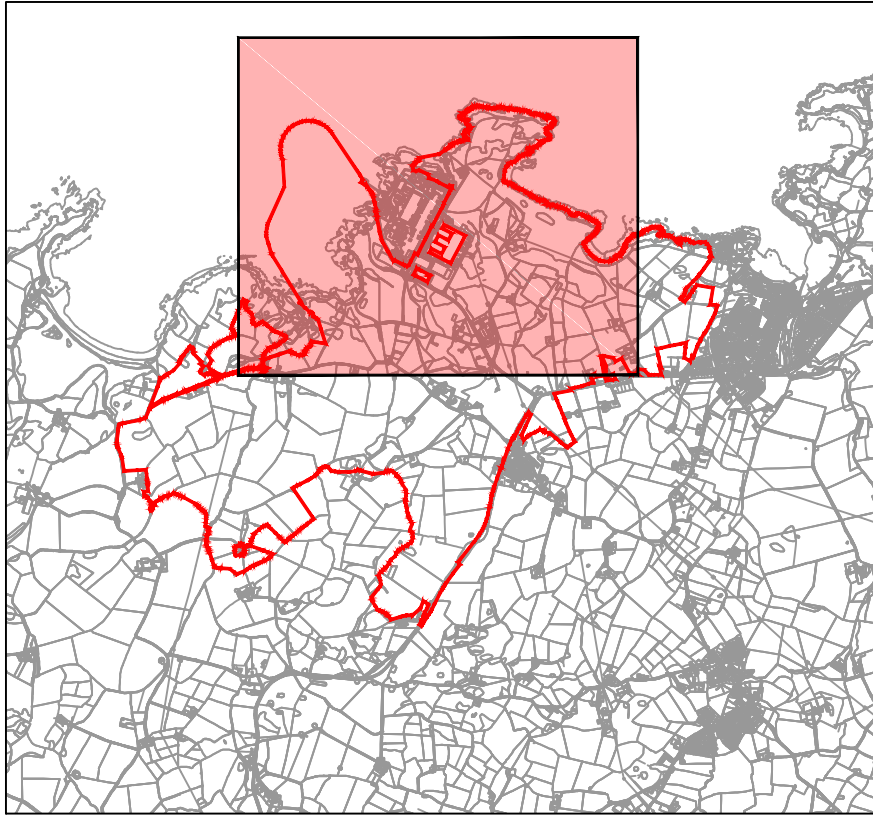




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OVERVIEW



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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	HRPW	HRPW	HRPW
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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Project
**WYLFA NEWYDD
DCO PROJECT**

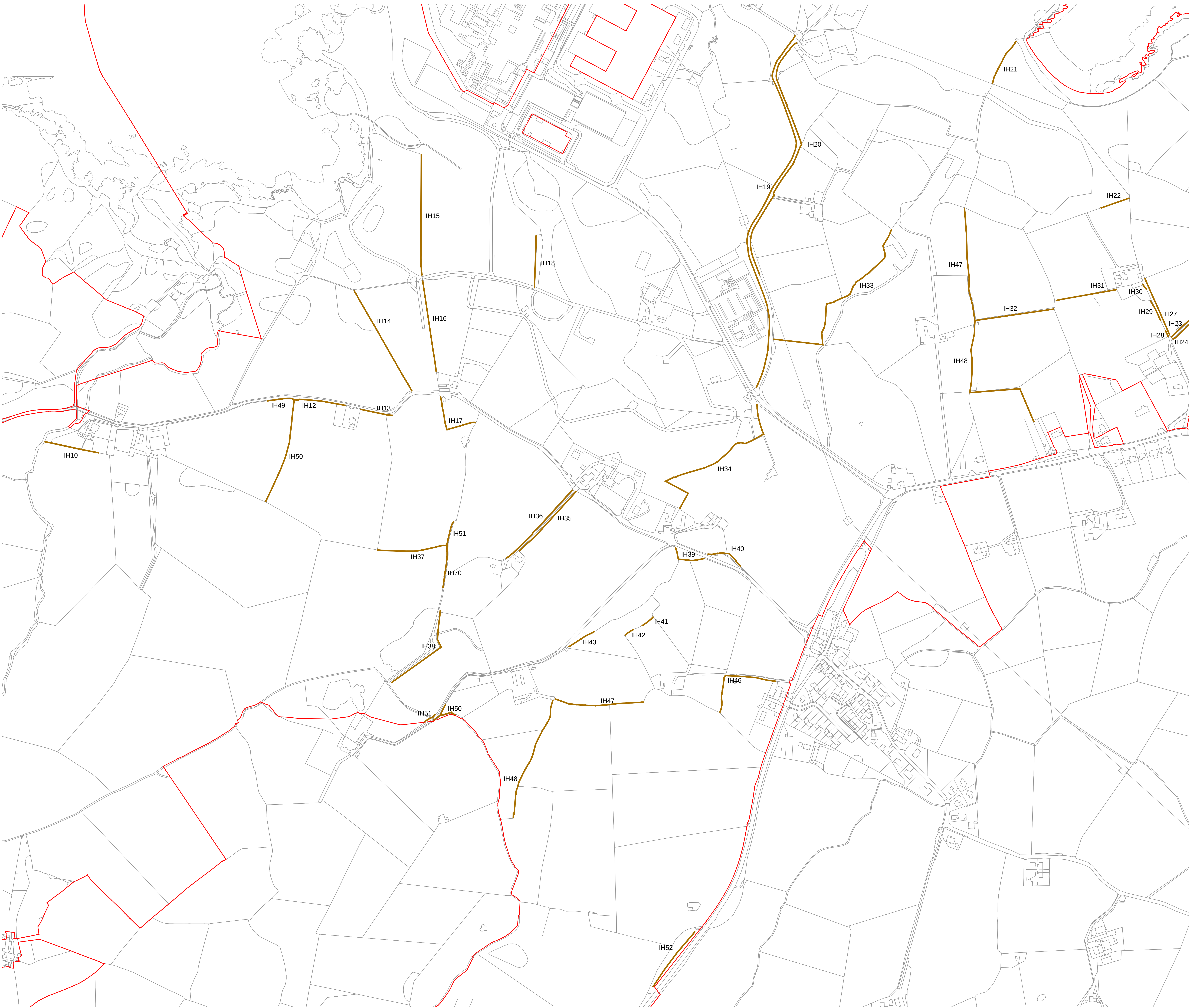
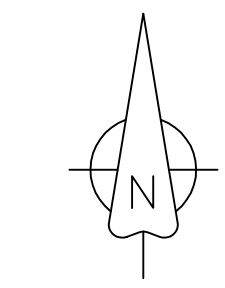
Drawing Title
**WYLFA NEWYDD DEVELOPMENT AREA
IMPORTANT HEDGEROW REMOVAL
SHEET 2**

Regulation 5 (2) (o)

NOT PROTECTIVELY MARKED

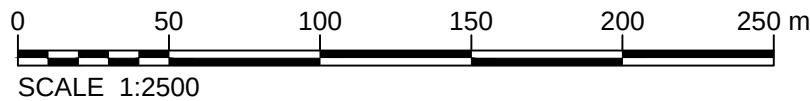
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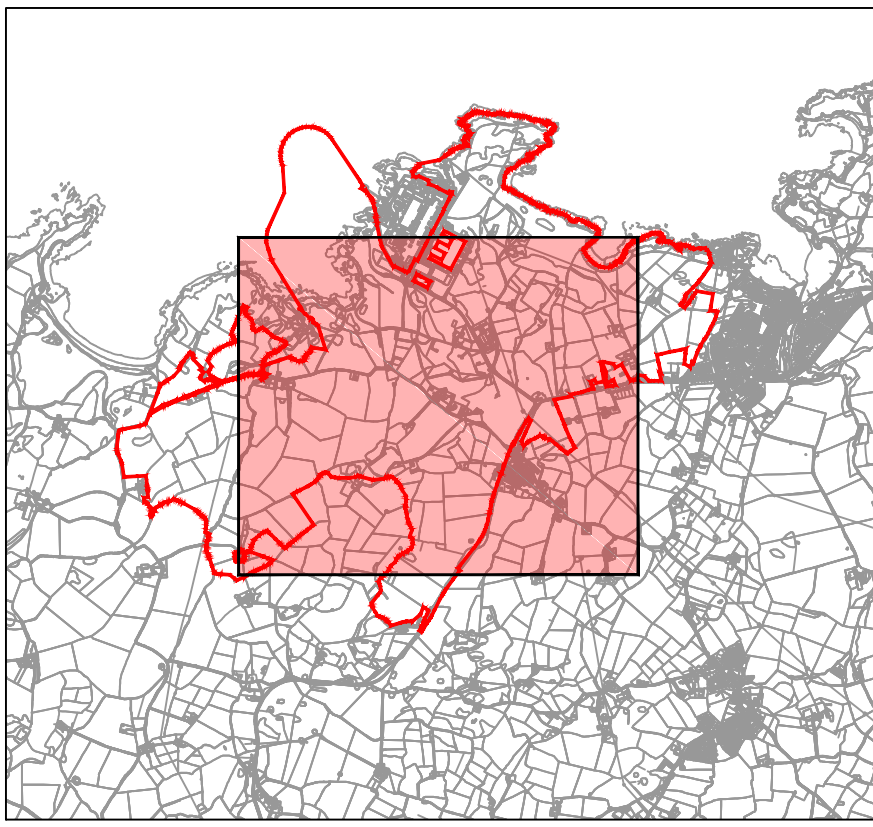


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OVERVIEW



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NOTES

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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	HRPW	HRPW	HRPW
Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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**WYLFA NEWYDD
DCO PROJECT**

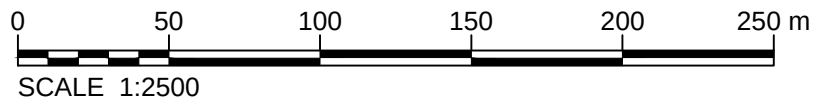
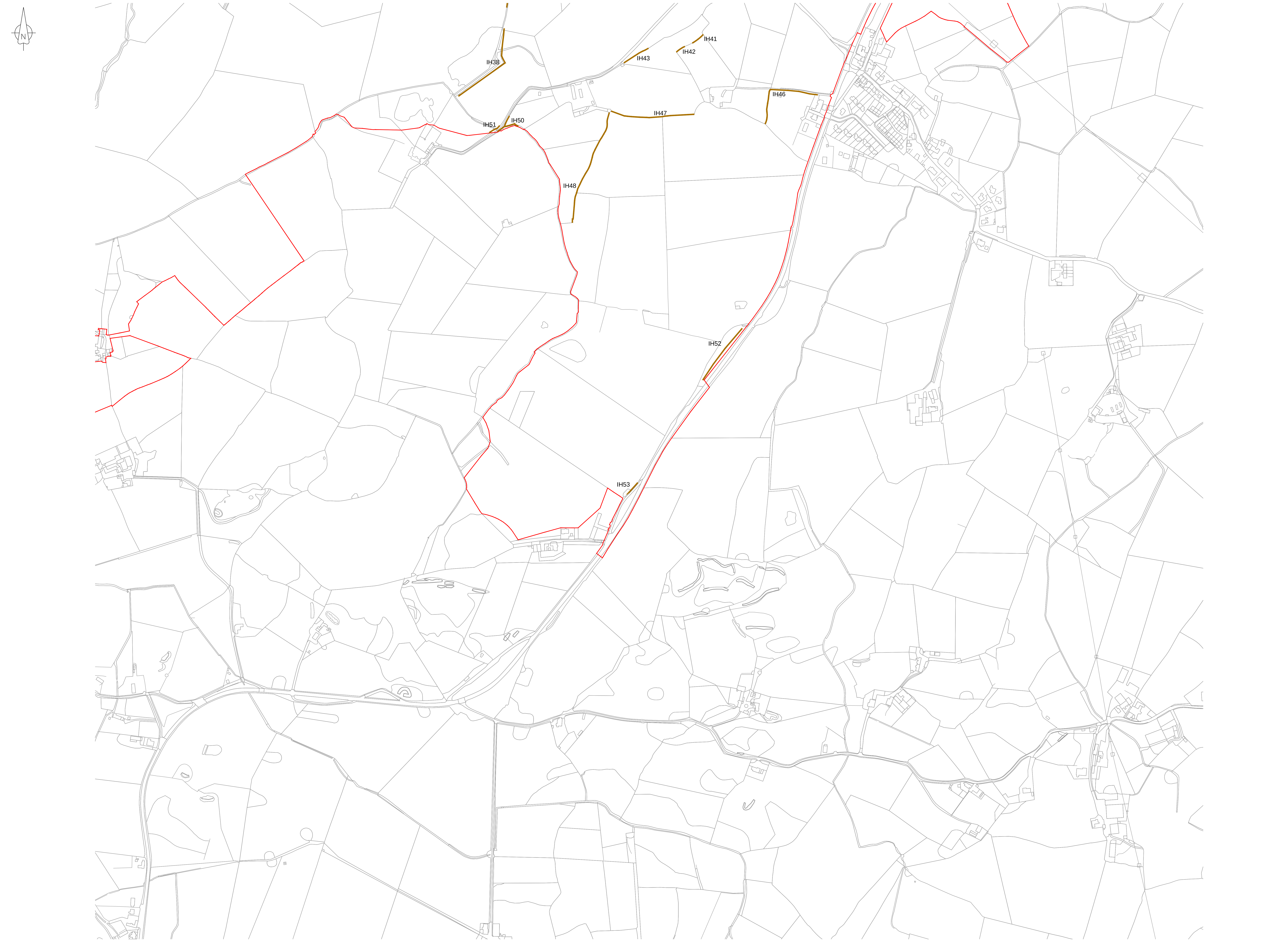
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**WYLFA NEWYDD DEVELOPMENT AREA
IMPORTANT HEDGEROW REMOVAL
SHEET 3**

Regulation 5 (2) (o)

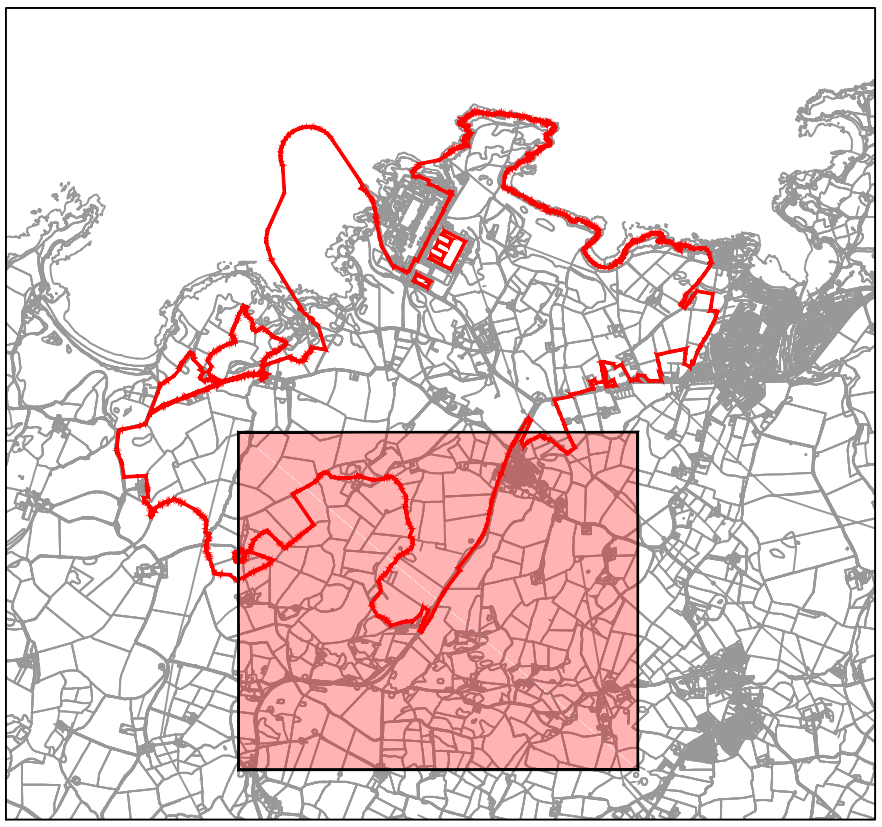
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NOTES

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	HRPW	HRPW	HRPW
Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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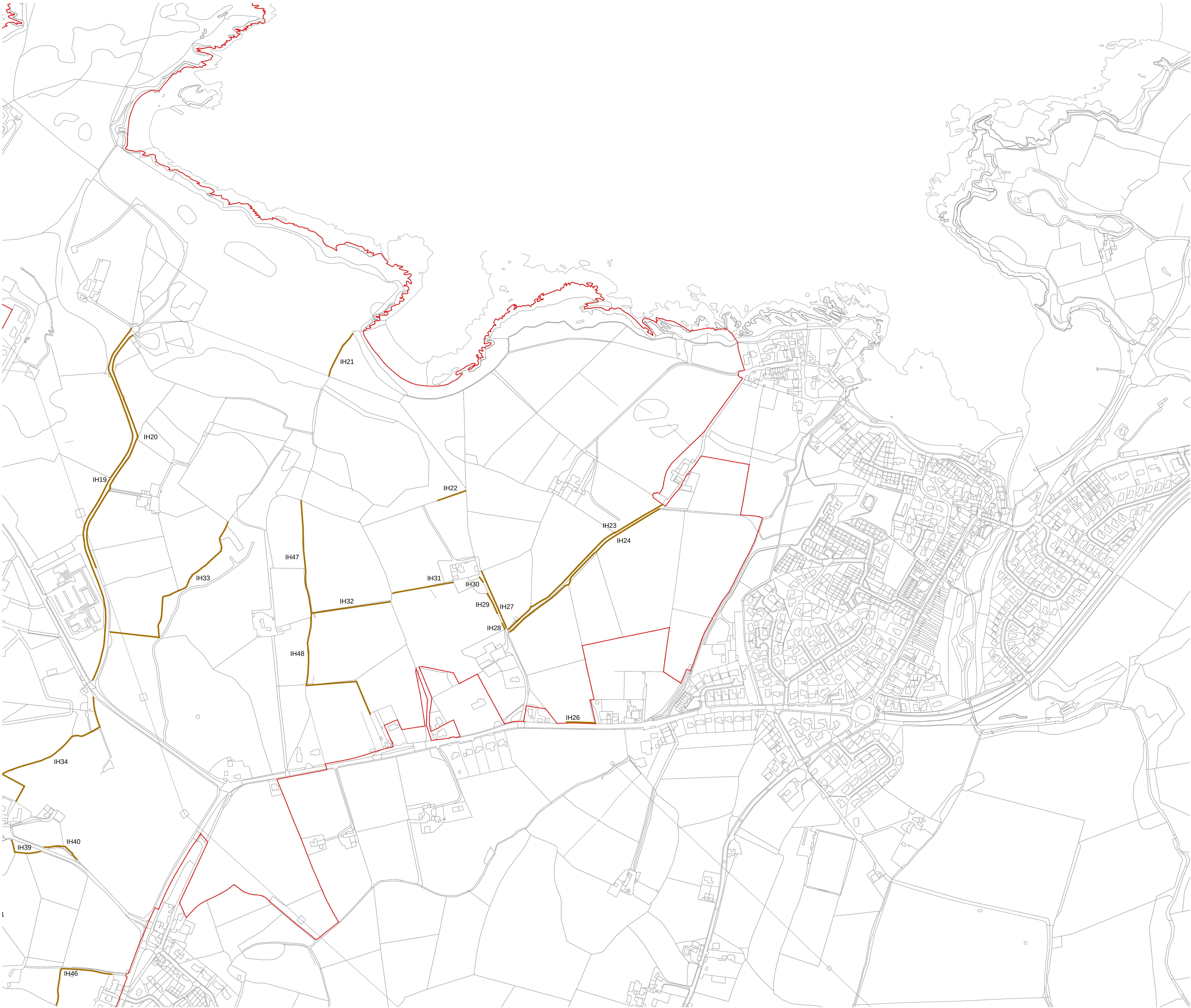
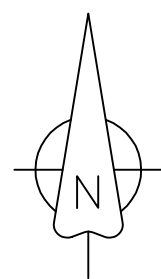
Project
**WYLFA NEWYDD
DCO PROJECT**

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

Regulation 5 (2) (o)

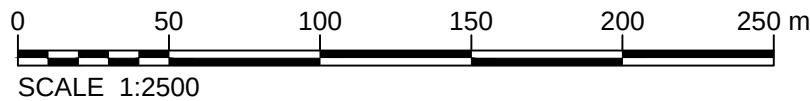
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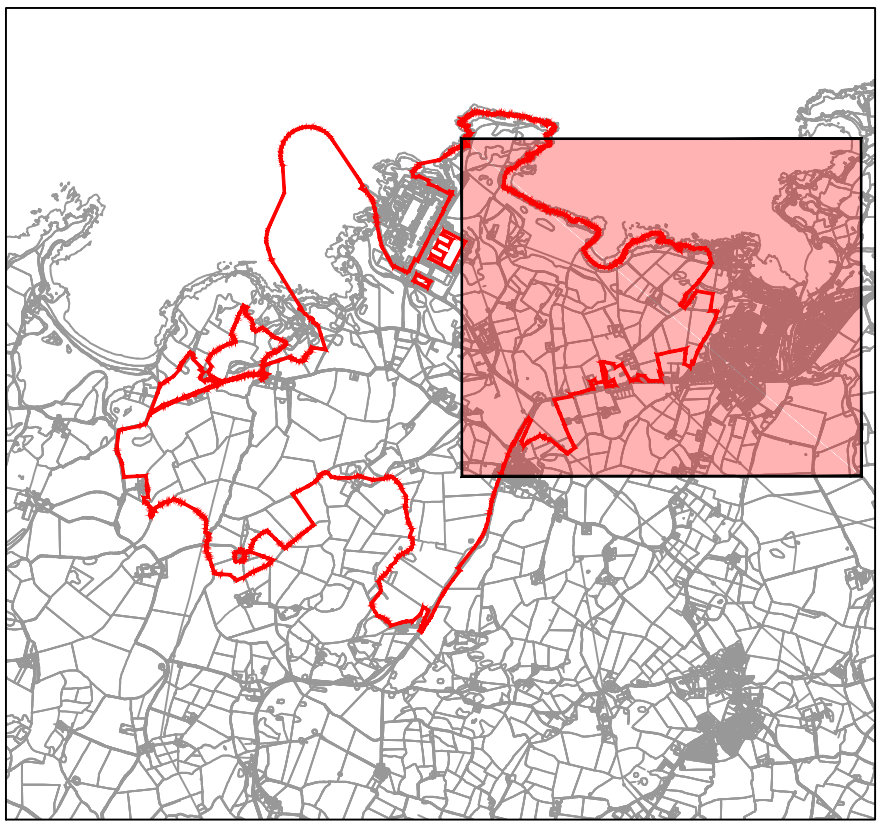


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OVERVIEW



Not To Scale

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
- Important Hedgerow (Hedgerow Regulations 1997) To be removed

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

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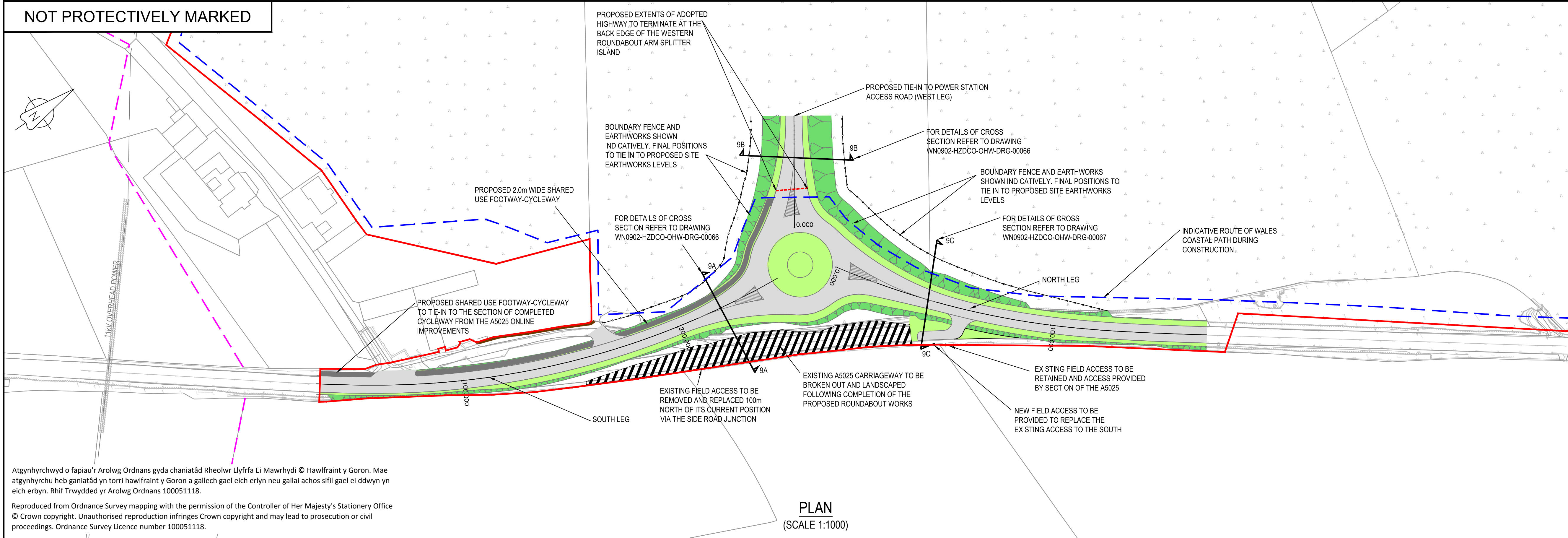
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**WYLFA NEWYDD DEVELOPMENT AREA
IMPORTANT HEDGEROW REMOVAL
SHEET 5**

Regulation 5 (2) (o)

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NOTES

- All levels in metres unless stated otherwise.
- All earthworks batter slopes are shown at a gradient of 1 in 2.5.
- Existing ground levels based on topographical survey information from surveys undertaken.
- 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.
- 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

- For details of proposed drainage refer to drawings WN0902-HZDCO-OHW-DRG-00065
- For details of cross section refer to drawing WN0902-HZDCO-OHW-DRG-00066 & 00067

2.0	DEC 2018	DECEMBER 2018 AMENDMENTS	HNPWL	HNPWL	HNPWL
1.0	MAY 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Appr'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 GENERAL ARRANGEMENT**

Regulation 5 (2) (o)

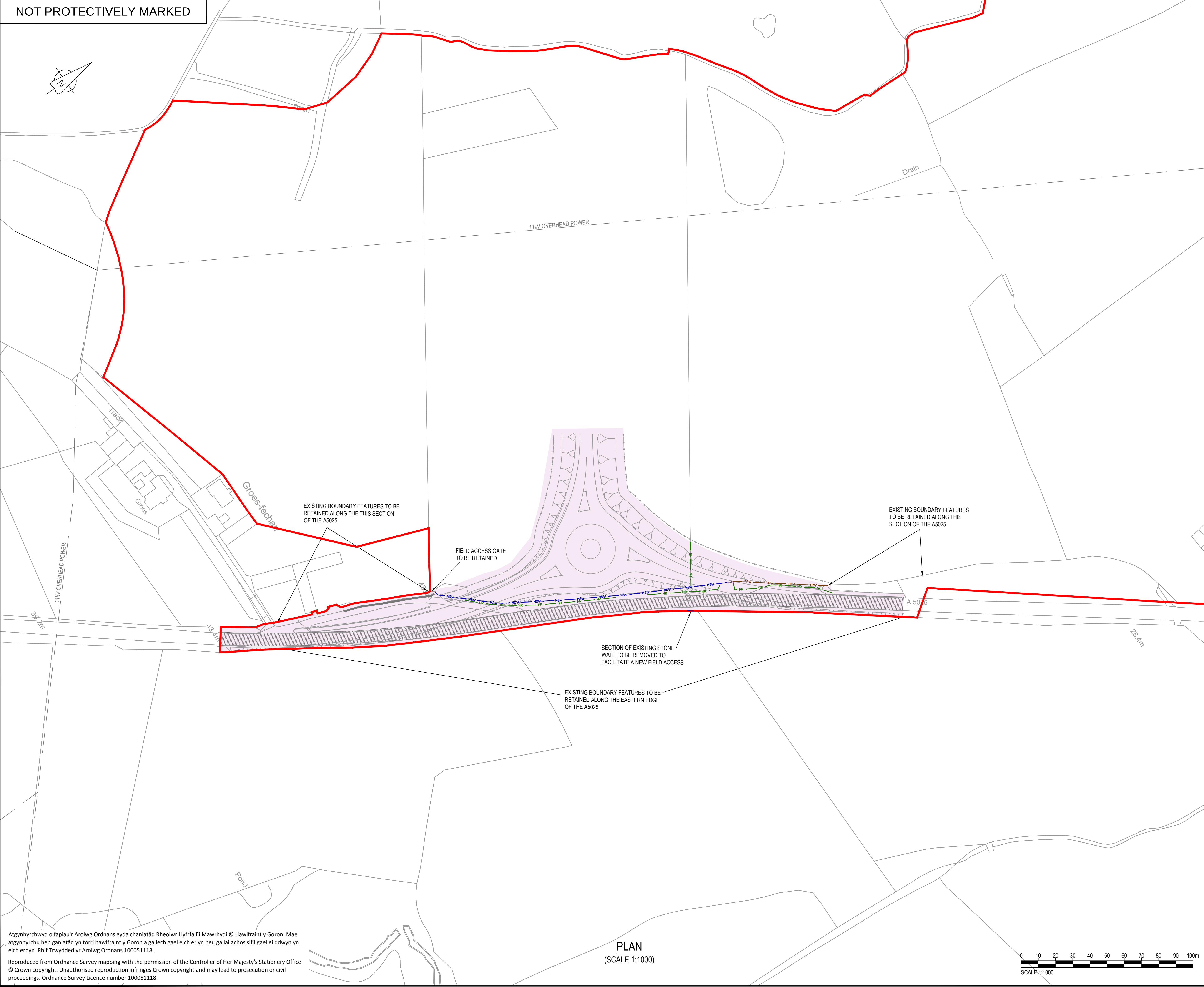
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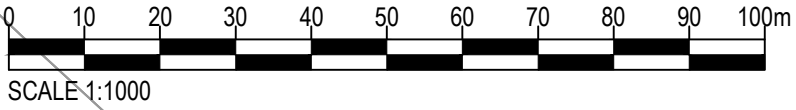
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PLAN
(SCALE 1:1000)



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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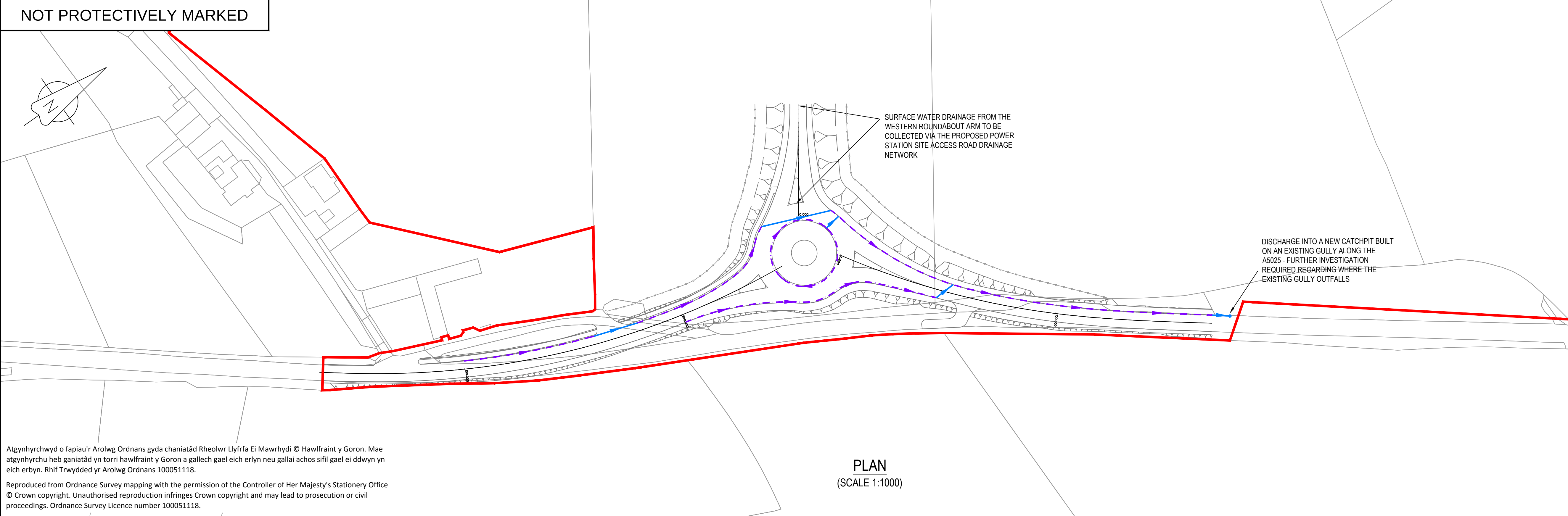
Project
**WYLFA NEWYDD
DCO PROJECT**

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

Security Status NOT PROTECTIVELY MARKED					
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Drawing Number	WN0902-HZDCO-OHW-DRG-00064				Rev 1.0

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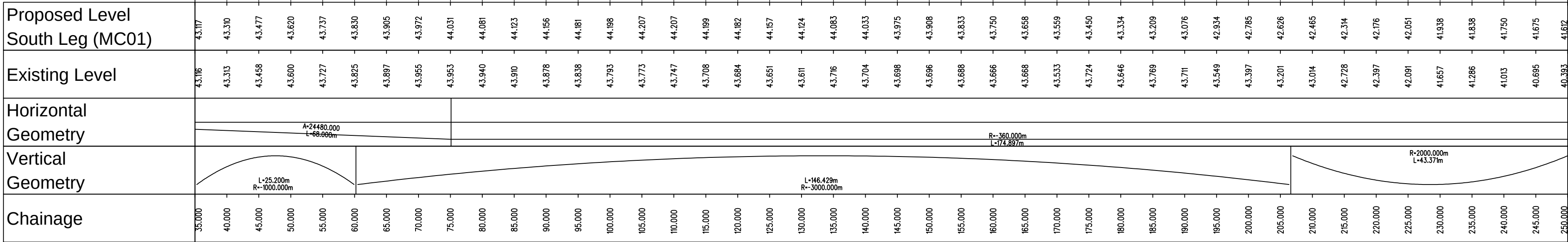
NOTES

- All levels in metres unless stated otherwise.
- Earthwork batter slopes are shown at a gradient of 1 in 2.5.
- Pond batter slopes are shown at a gradient of 1 in 3.
- 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).
- Pond volumes are based on a 1 in 100 year return period plus 30% climate change.
- Ponds to be located outside of the flood plain.
- Drainage layouts are indicative for information only and are subject to detailed design and modelling.
- 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.
- Gradients of filter drains typically follow the longitudinal fall of the highway with a minimum cover of 1.2m.
- Filter drain inspection chambers shall be located at regular intervals and at connection points. The spacing between inspection chambers shall not exceed 80m.
- Drainage outfall locations and levels are based on topographical survey information data.

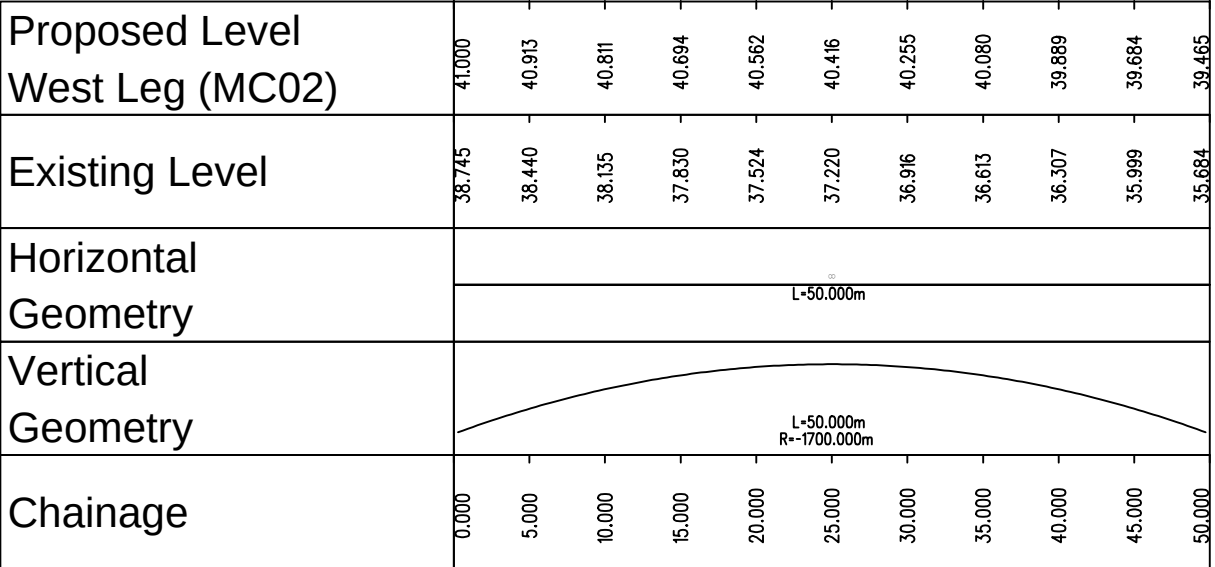
LEGEND

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

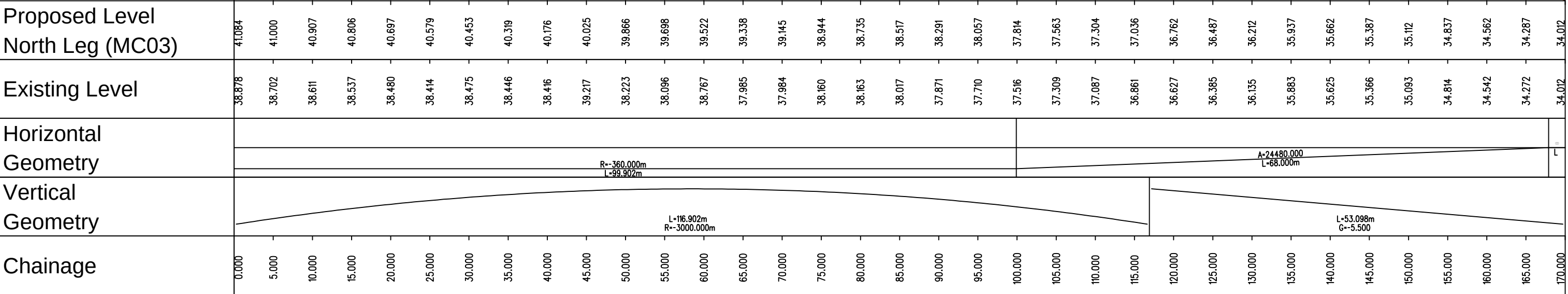
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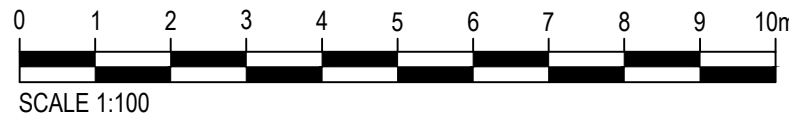
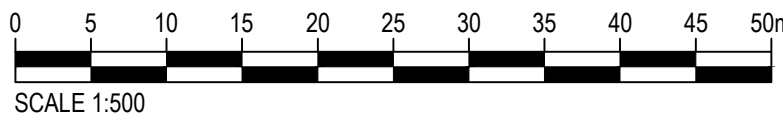
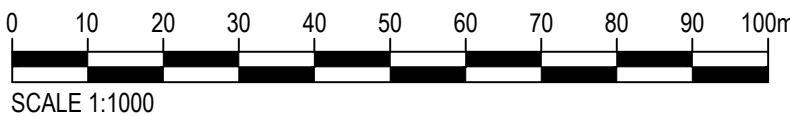


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LONGITUDINAL SECTION

(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
NUCLEAR POWER

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Project
**WYLFA NEWYDD
DCO PROJECT**

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

Regulation 5 (2) (o)

Security Status						NOT PROTECTIVELY MARKED					
Scale		AS SHOWN		Sheet Size		A1		Sheet(s)		1 of 1	
Drawing Number										Rev	
WN0902-HZDCO-OHW-DRG-00065										1.0	

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NOTES

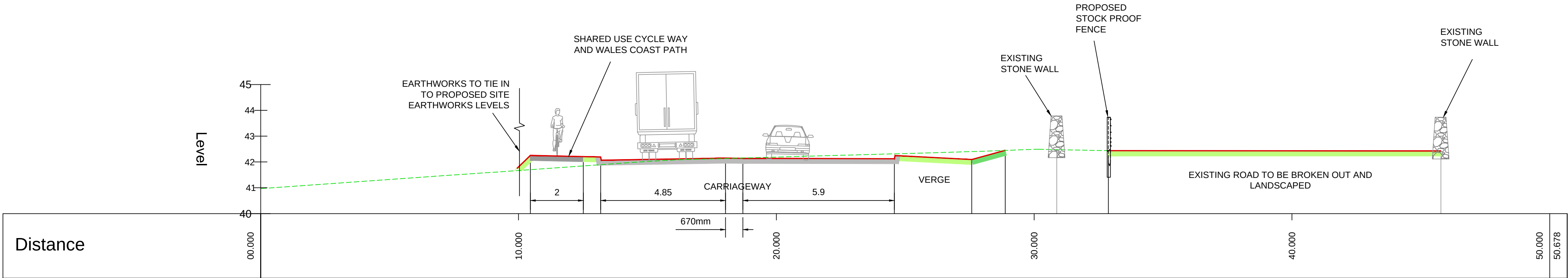
1. All levels in metres unless stated otherwise.
2. All dimensions in metres unless stated otherwise.

LEGEND

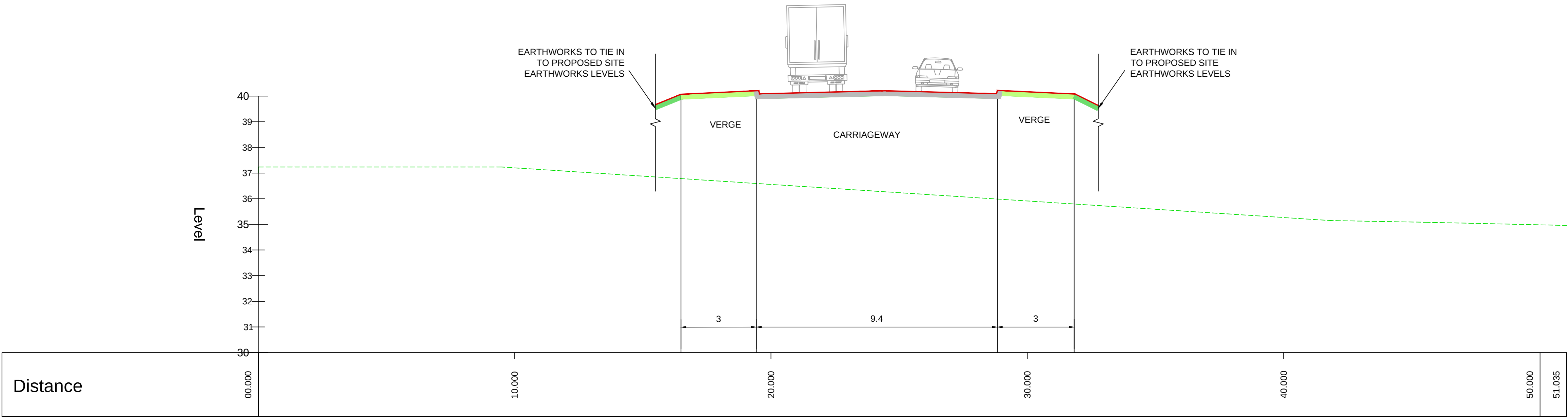
- Proposed levels
- Existing levels

REFERENCE DRAWINGS

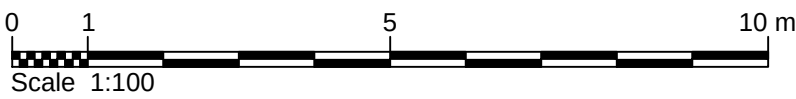
WN0902-H2DCO-OHW-DRG-00063 - A5025 OFF-LINE HIGHWAYS IMPROVEMENTS SECTION 9 - SITE ACCESS PROPOSED GENERAL ARRANGEMENT



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



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



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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)**

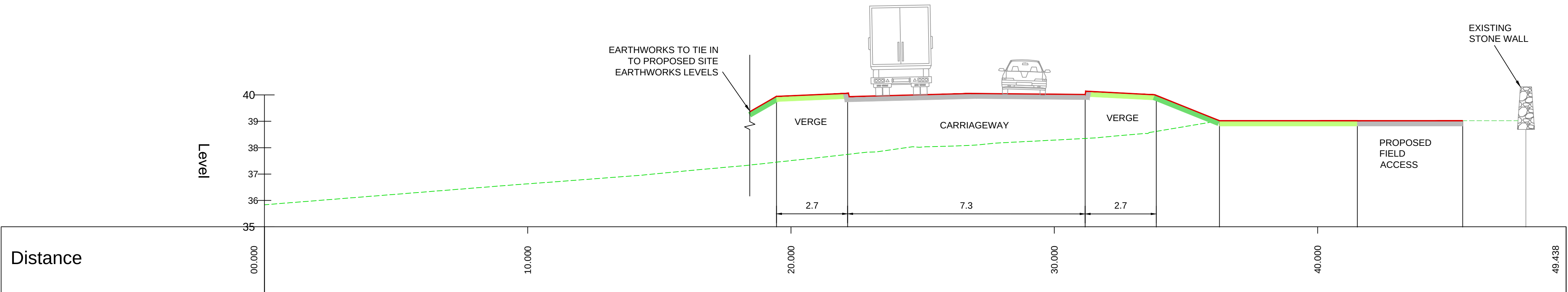
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Drawing Number	WN0902-HZDCO-OHW-DRG-00066	Rev	1.0		

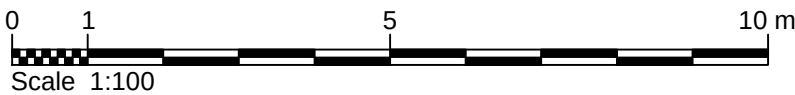
1. All levels in metres unless stated otherwise.
2. All dimensions in metres unless stated otherwise.

- 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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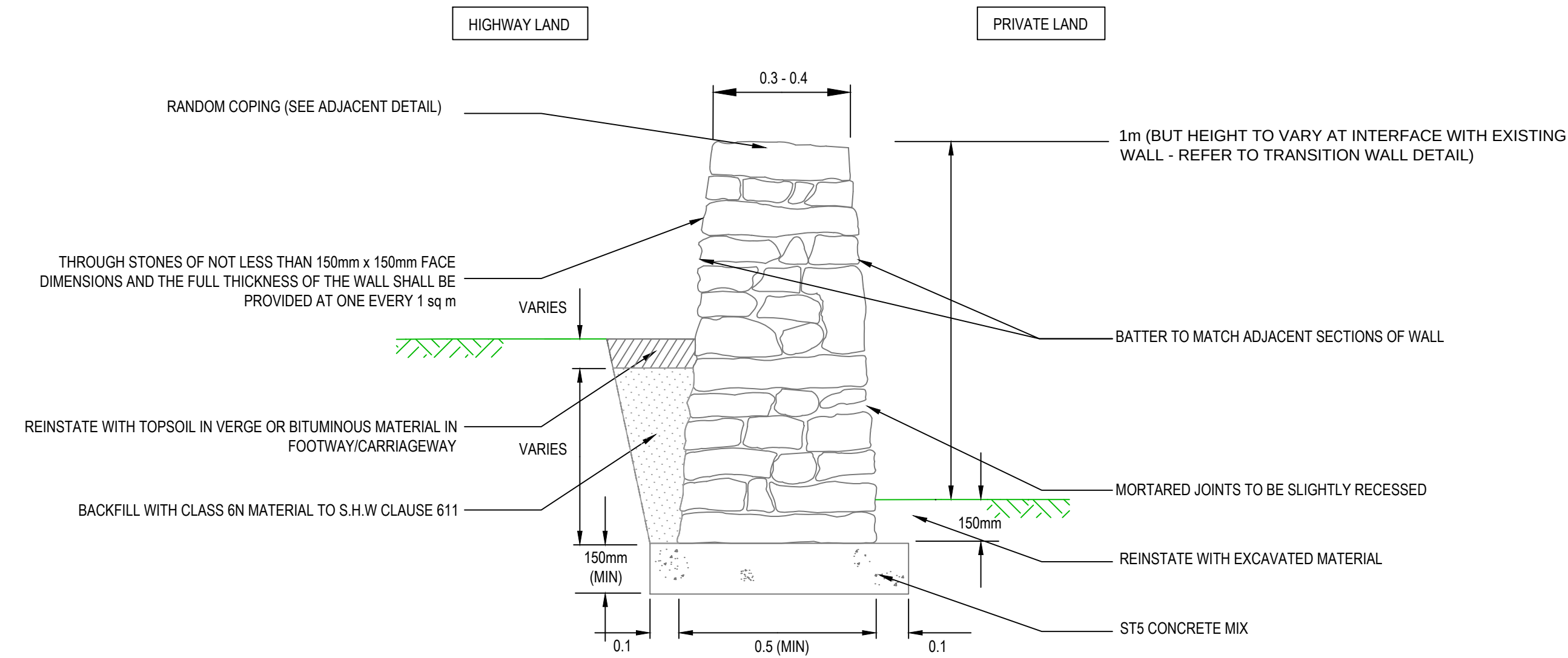
Project
**WYLFA NEWYDD
DCO PROJECT**

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

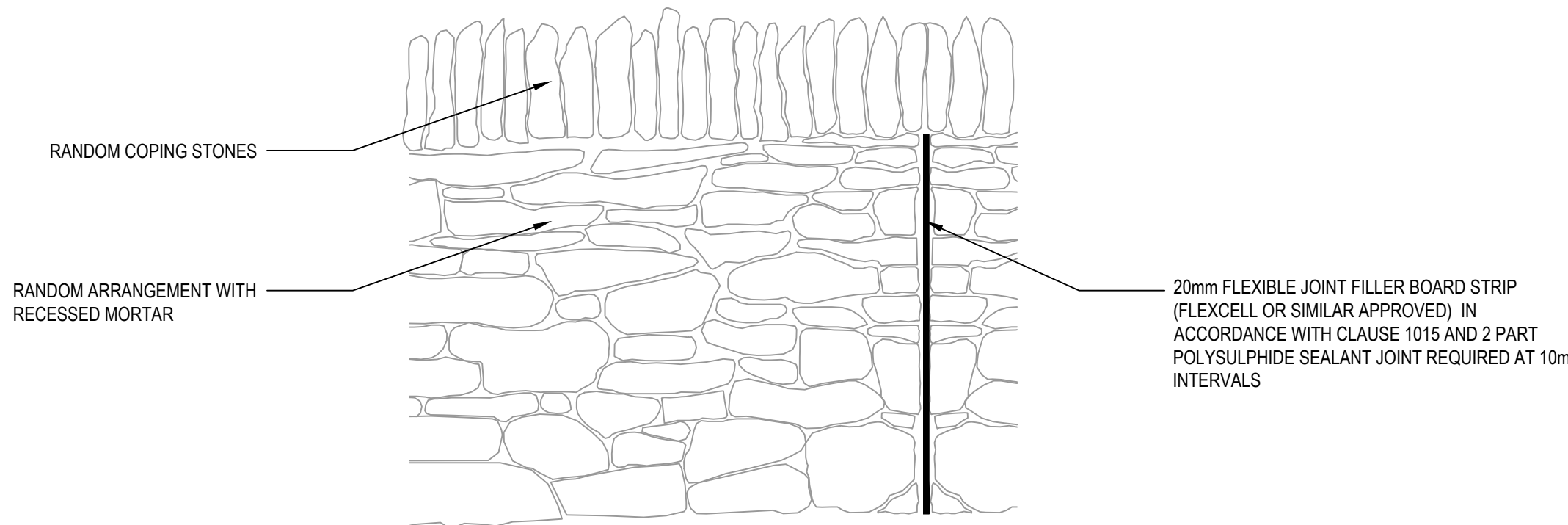
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Drawing Number	WN0902-HZDCO-OHW-DRG-00067				Rev 1.0

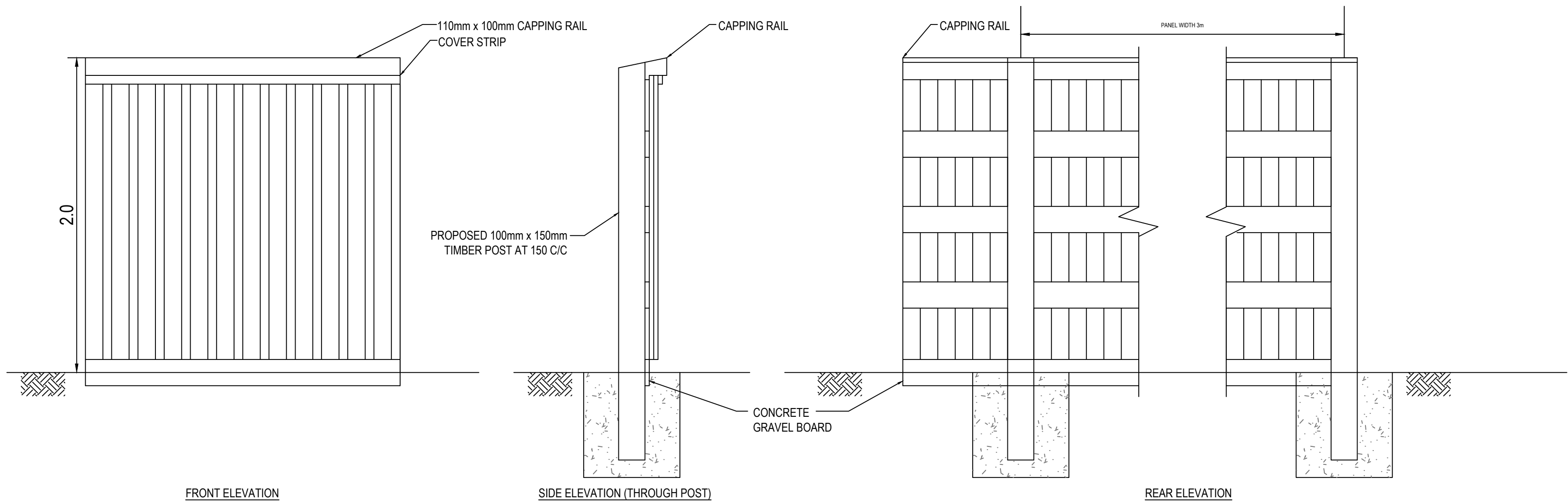
1. All dimensions in metres unless stated otherwise.
2. Only written dimensions are to be used.
3. All timber post & rail fences and timber post & wire fences to have 2 barbed wire strands.
4. For details of timber post & wire fences refer to DMRB MCHW standard detail H1.
4. For details of timber post & 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)

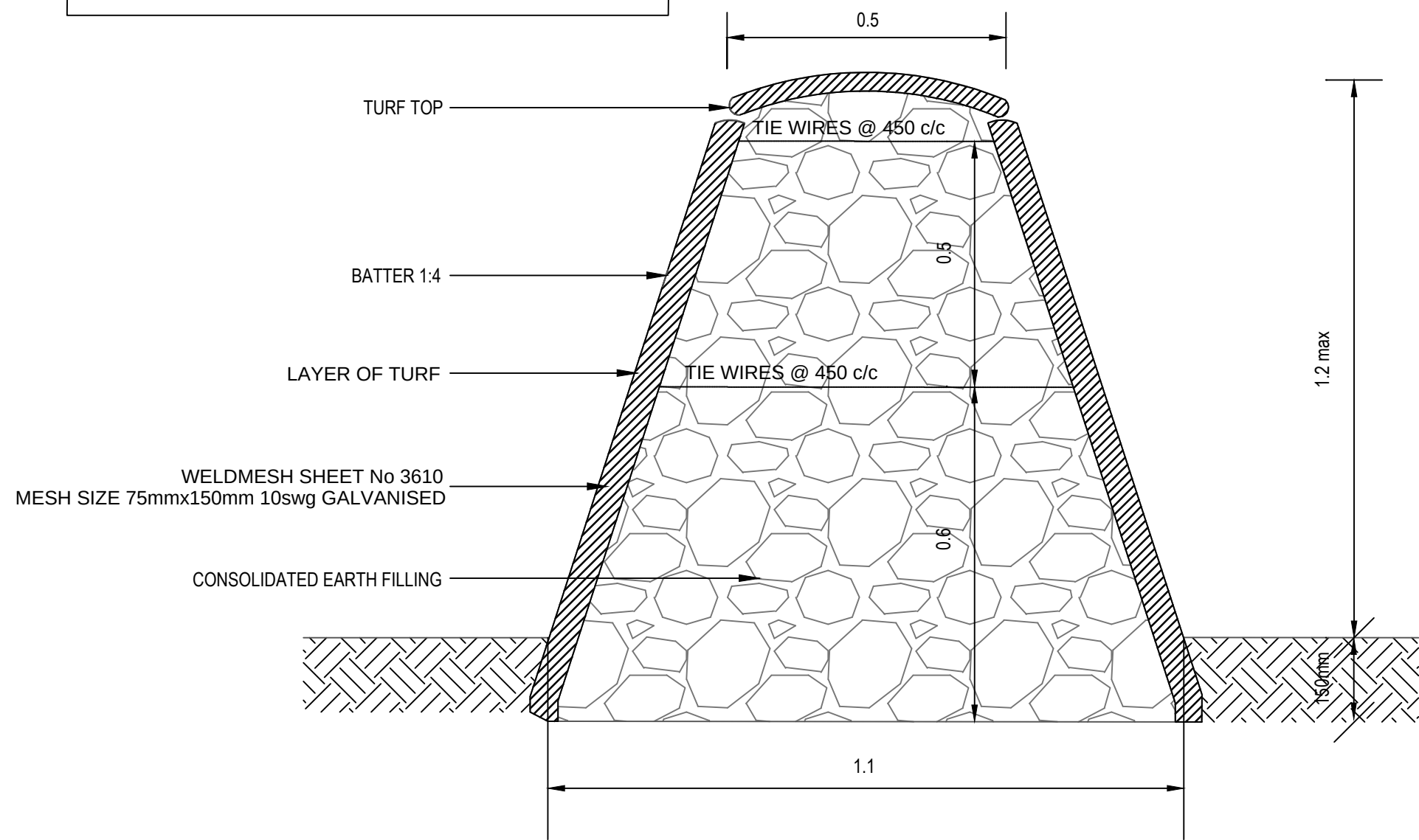


SIDE ELEVATION (THROUGH POST)

REAR ELEVATION

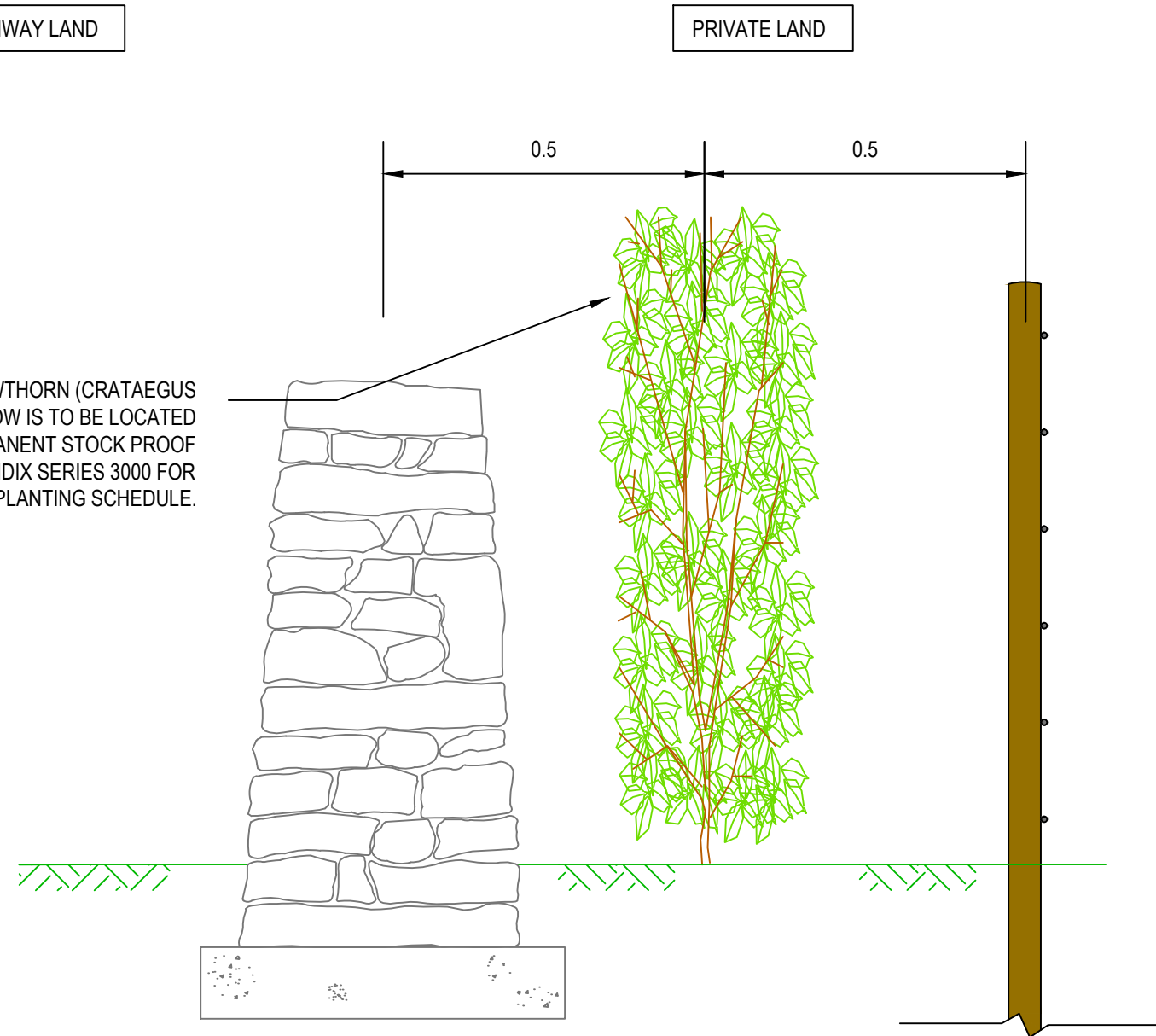
PROPOSED 2.0m NOISEWALL SINGLE SIDED REFLECTIVE TIMBER SOUND SCREEN (Not to Scale)

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
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ILLUSTRATIVE

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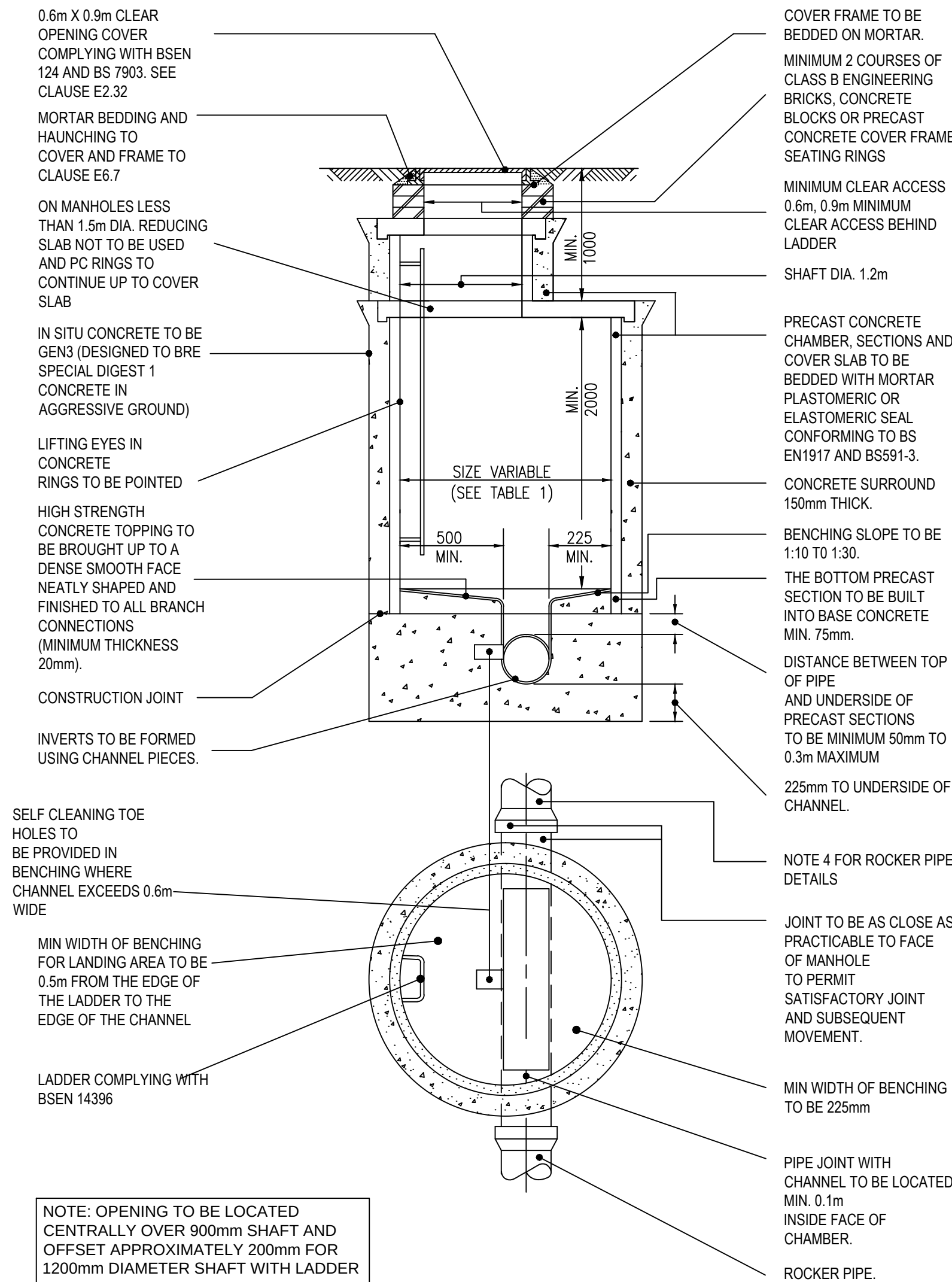
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Project
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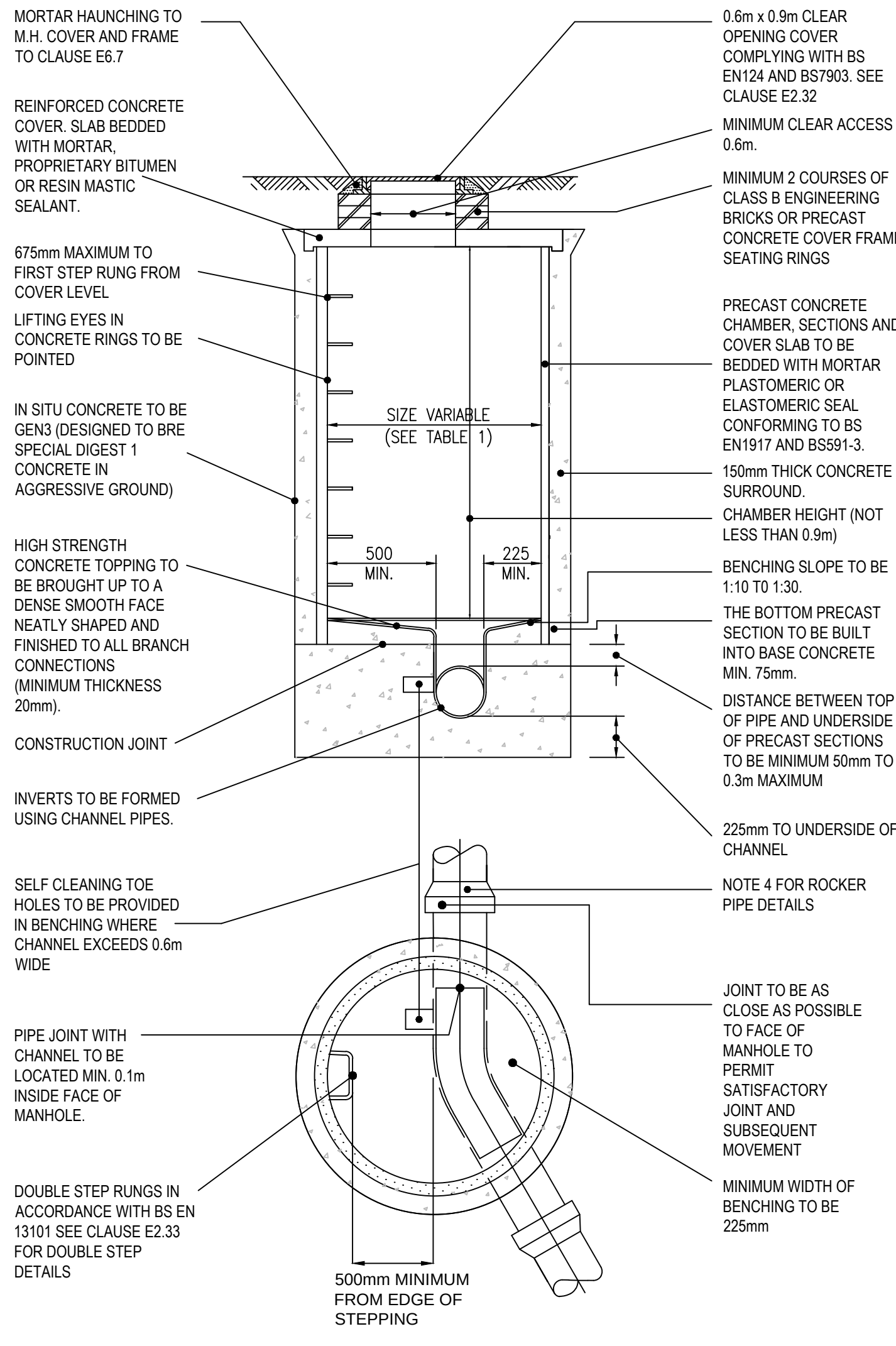
Drawing Title
**A5025 OFF-LINE HIGHWAY IMPROVEMENTS
STANDARD DETAILS
BOUNDARY DETAILS**

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-00068				Rev 1.0



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)

NOTES

- All dimensions in metres unless stated otherwise.
- 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.
- All materials and workmanship to be in accordance with the specification for highway works unless stated otherwise.
- 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.
- The length of the next pipe (rocker pipe) away from structures shall be:

Pipe diameter (mm)	Length (m)
DN150 - DN600	0.6
DN675 - DN750	1.0
DN825 +	1.25
- Only written dimensions are to be used.
- Concrete benching and pipe surround shall be placed in single continuous operation from top of base slab.
- Surface water connections shall be constructed with soffits level unless shown otherwise.
- Cut ends of reinforced concrete pipes shall be treated with epoxy resin paint/mortar.
- Manholes are to be to sewers for adoption 7th edition. Manhole sizes shall be (unless noted otherwise in manhole schedules):

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

Table 1 rocker pipe lengths

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

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

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

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