

Wylfa Newydd Project

Volume 2: Plans, Sections and Drawings (Part 12/19)

2.9 A5025 Off-line Highway Improvements – Section 5

PINS Reference Number: EN010007

Application Reference Number: 2.9

June 2018

Revision 1.0

Regulation Number: 5(2)(o)

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

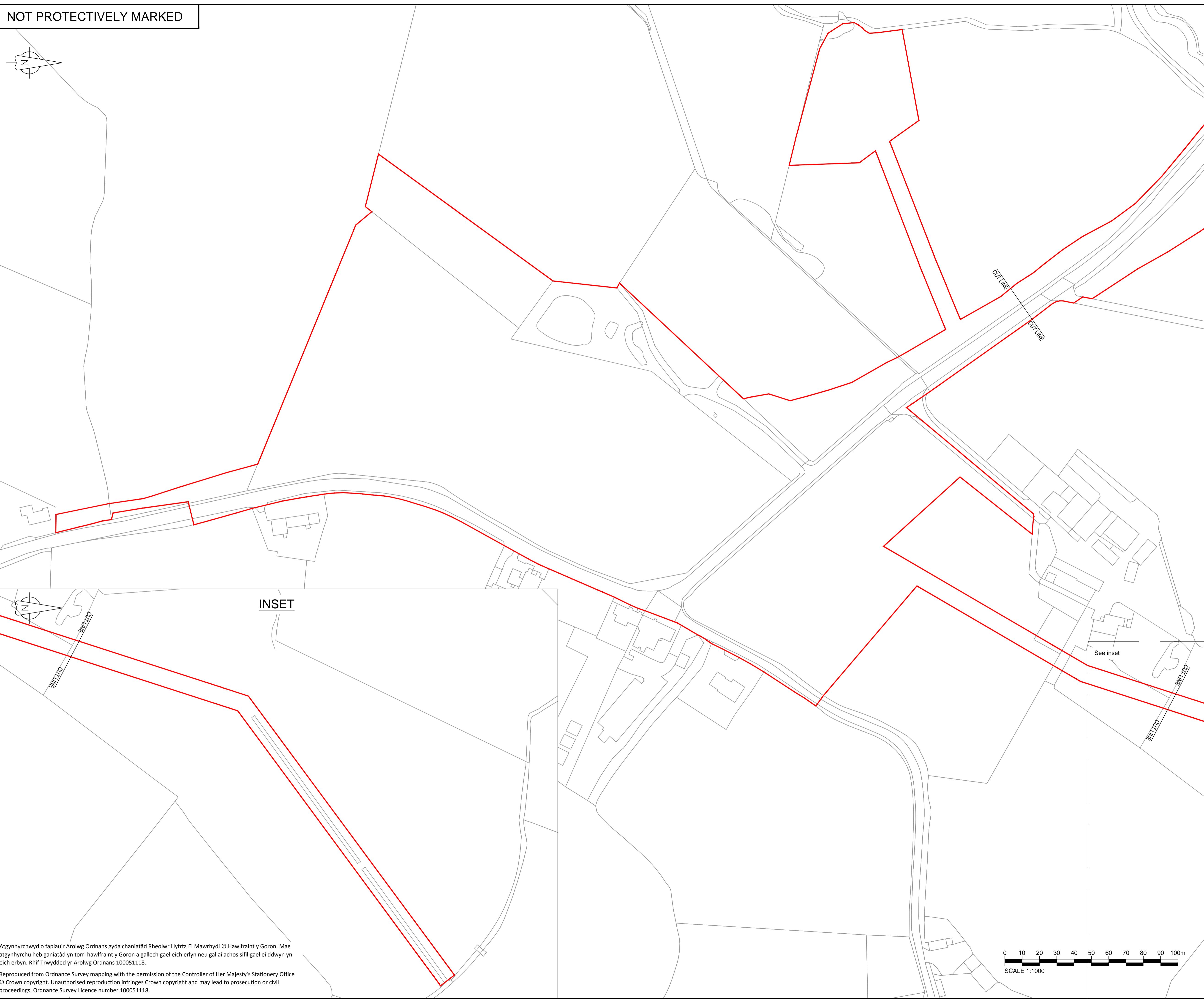
Contents

WN0902-HZDCO-OHW-DRG-00035	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, EXISTING SITE PLAN , SHEET 1
WN0902-HZDCO-OHW-DRG-00036	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, EXISTING SITE PLAN , SHEET 2
WN0902-HZDCO-OHW-DRG-00037	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, PROPOSED GENERAL ARRANGMENT, PLAN - SHEET 1
WN0902-HZDCO-OHW-DRG-00038	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, PROPOSED GENERAL ARRANGMENT, PLAN - SHEET 2
WN0902-HZDCO-OHW-DRG-00039	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, PROPOSED SITE CLEARANCE PLAN, SHEET 1
WN0902-HZDCO-OHW-DRG-00040	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, PROPOSED SITE CLEARANCE PLAN, SHEET 2
WN0902-HZDCO-OHW-DRG-00041	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, PROPOSED DRAINAGE PLAN, SHEET 1
WN0902-HZDCO-OHW-DRG-00042	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, PROPOSED DRAINAGE PLAN, SHEET 2
WN0902-HZDCO-OHW-DRG-00043	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, PROPOSED DRAINAGE CATCHMENT, PLAN
WN0902-HZDCO-OHW-DRG-00044	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, PROPOSED CROSS SECTION 5A-A & 5B-B
WN0902-HZDCO-OHW-DRG-00045	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, PROPOSED CROSS SECTION 5C-C & 5D-D
WN0902-HZDCO-OHW-DRG-00046	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, SECTION 5 - LLANFAETHLU, LLANFAETHLU UNDERPASS, GENERAL ARRANGEMENT
WN0902-HZDCO-OHW-DRG-00068	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, STANDARD DETAILS, BOUNDARY DETAILS
WN0902-HZDCO-OHW-DRG-00069	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, STANDARD DETAILS, DRAINAGE, SHEET 1
WN0902-HZDCO-OHW-DRG-00070	A5025 OFF-LINE HIGHWAY IMPROVEMENTS, STANDARD DETAILS, DRAINAGE, SHEET 2

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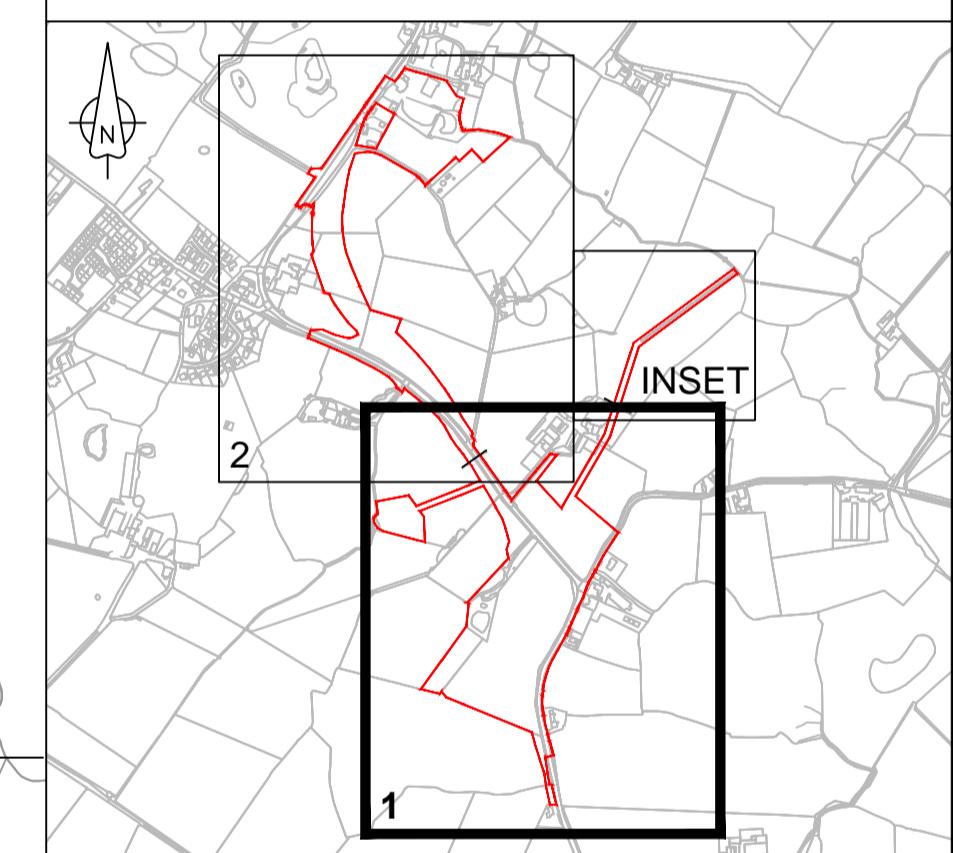
LEGEND

Order Limits



REFERENCE DRAWINGS

1. WN0902-HZDCO-OHW-DRG-00036 - SHEET 2



KEY PLAN
(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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NUCLEAR POWER

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Project
WYLFA NEWYDD
DCO PROJECT

Drawing Title
A5025 OFF-LINE HIGHWAY IMPROVEMENTS
SECTION 5 - LLANFAETHLU
EXISTING SITE PLAN
SHEET 1

Regulation 5 (2) (o)

Security Status
NOT PROTECTIVELY MARKED

Scale 1:1000 Sheet Size A1 Sheet(s) 1 of 1

Drawing Number WN0902-HZDCO-OHW-DRG-00035 Rev

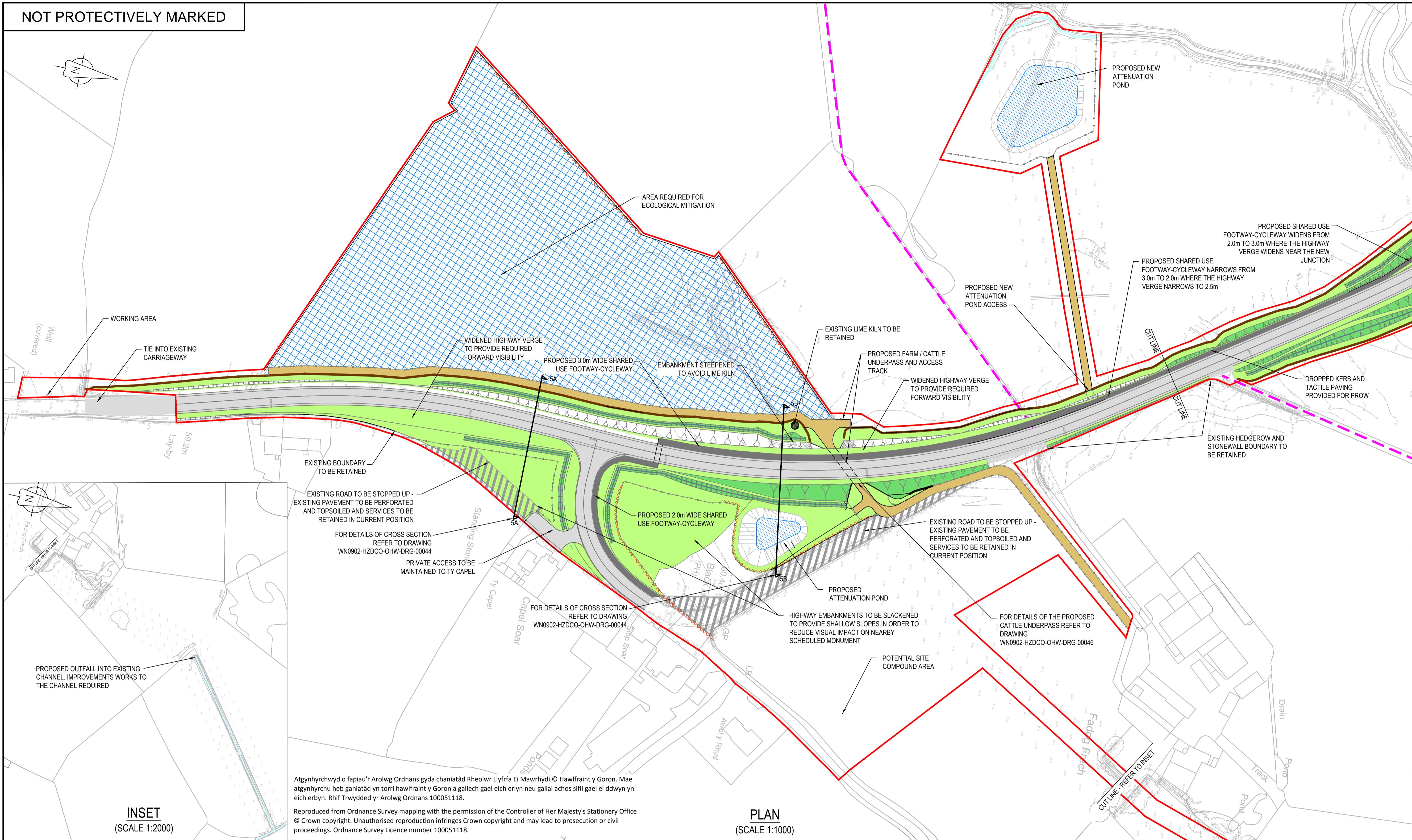
Atgynhyrwyd o fapiau'r Arolwg Ordnans gyda chaniatâd Rheolwr Llyfrfa Ei Mawrhydi © Hawlfraint y Goron. Mae atgynhyrchu heb ganiatâd yn torri hawlfraint y Goron a gallich gael eich erlyn neu gallai achos sifil gael ei ddywyn yn eich erbyn. Rhif Trydded yr Arolwg Ordnans 100051118.

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0 10 20 30 40 50 60 70 80 90 100m
SCALE 1:1000

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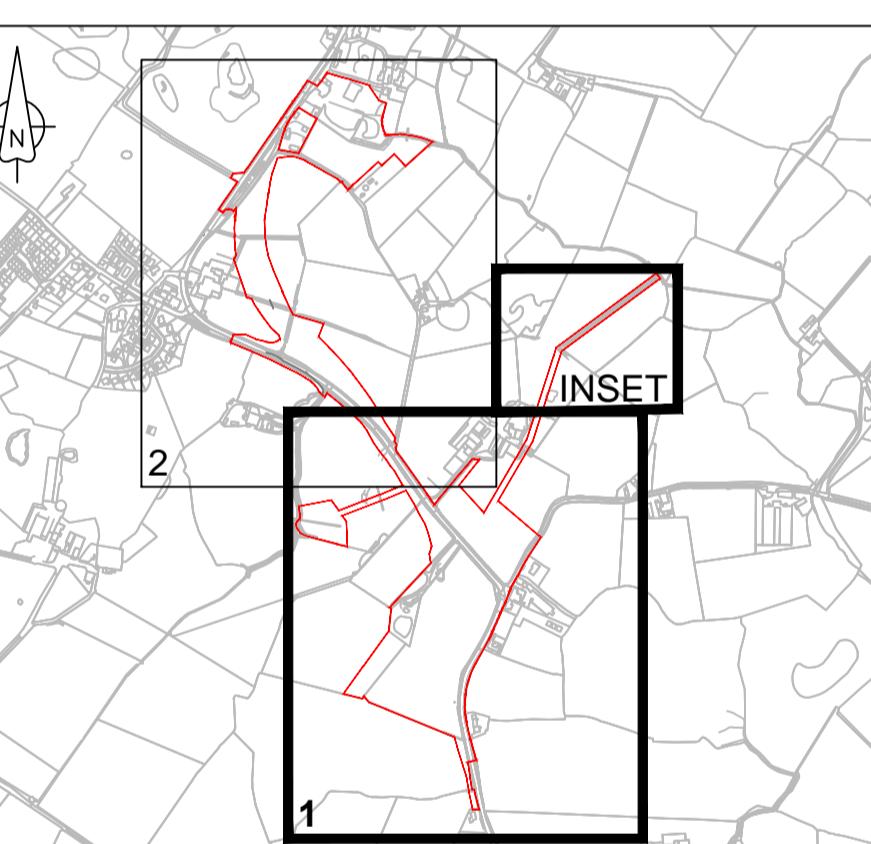


NOTES

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.
6. For details of proposed drainage refer to drawings
WN0902-HZDCO-OHW-DRG-00041 & 00042.

LEGEND

-  Order Limits
-  Existing public right of way (PROW)
-  Proposed carriageway
-  Proposed shared use footway-cycleway
-  Existing carriageway to be stopped up
-  Proposed verge
-  Proposed earthworks slopes
-  Proposed access track
-  Existing watercourse
-  Proposed attenuation pond
-  Ecological mitigation area
-  Proposed highway boundary fence
-  Proposed stone wall
-  Proposed hedgerow
-  Proposed gated public means of access
-  Proposed land drainage ditch



KEY PLAN

.0 | MAY 2018 | FOR DCO SUBMISSION | HNPWL | HNPWL | HNPWL

FOR APPROVAL

HORIZON

Sunrise House, 1420 Charlton Court, Gloucester Business Park, Gloucester, GL3 4AE, UK

WYLFA NEWYDD DCO PROJECT

Drawing Title
5025 OFF-LINE HIGHWAY IMPROVEMENTS
SECTION 5 - LLANFAETHLU
PROPOSED GENERAL ARRANGEMENT
PLAN - SHEET 1

Regulation 5 (2) (o)

NOT PROTECTIVELY MARKED

PROPOSED LEVELS		EXISTING LEVELS	
CHAINAGE	FEET	CHAINAGE	FEET
-75.000	57.130	-75.130	57.130
-10.000	57.410	-10.000	57.410
0.000	57.876	0.000	57.912
10.000	58.277	10.000	58.303
20.000	58.582	20.000	58.593
30.000	58.866	30.000	58.865
40.000	59.052	40.000	59.137
50.000	59.212	50.000	59.401
60.000	59.350	60.000	59.647
70.000	59.514	70.000	59.875
80.000	59.704	80.000	60.085
90.000	59.968	90.000	60.277
100.000	60.209	100.000	60.450
110.000	60.723	110.000	60.606
120.000	60.532	120.000	60.743
130.000	60.890	130.000	60.861
140.000	61.210	140.000	60.962
150.000	61.395	150.000	61.045
160.000	61.489	160.000	61.109
170.000	61.525	170.000	61.155
180.000	61.454	180.000	61.183
190.000	61.259	190.000	61.193
200.000	60.986	200.000	61.185
210.000	60.698	210.000	61.160
220.000	60.429	220.000	61.125
230.000	60.170	230.000	61.080
240.000	59.964	240.000	61.025
250.000	59.793	250.000	60.960
260.000	59.667	260.000	60.885
270.000	59.479	270.000	60.800
280.000	59.247	280.000	60.705
290.000	59.045	290.000	60.600
300.000	58.802	300.000	60.485
310.000	58.390	310.000	60.360
320.000	58.002	320.000	60.225
330.000	57.533	330.000	60.080
340.000	57.256	340.000	59.925
350.000	56.952	350.000	59.760
360.000	56.618	360.000	59.585
370.000	56.283	370.000	59.400
380.000	55.728	380.000	59.205
390.000	55.957	390.000	59.000
400.000	56.229	400.000	58.785
410.000	56.465	410.000	58.580
420.000	56.337	420.000	58.325
430.000	56.479	430.000	58.080
440.000	56.706	440.000	57.825
450.000	56.936	450.000	57.560
460.000	57.149	460.000	57.285
470.000	56.821	470.000	57.005
480.000	56.599	480.000	56.764
490.000	56.179	490.000	56.572
500.000	56.373	500.000	56.431
510.000	56.307	510.000	56.340
520.000	56.265	520.000	56.299
530.000	56.290	530.000	56.308
540.000	56.336	540.000	56.366
550.000	56.439	550.000	56.475
560.000	56.502	560.000	56.626

LONGITUDINAL SECTION

(SCALE 1:1000H & 1:1000V)

A horizontal scale bar with numerical markings from 0 to 180 in increments of 20. Below the scale bar, the text "SCALE 1:2000" is printed.

A horizontal scale bar with numerical markings at 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, and 100 meters. The scale is marked with black segments and white spaces. Below the scale, the text 'SCALE 1:1000' is printed.

A horizontal scale bar representing 20 meters (m). The bar is divided into 10 equal segments, each labeled with the number 2. The total length of the bar is labeled as 20m. Below the bar, the text 'ALE 1:200' is written.

WN0902-HZDCO-OHW-DRG-00037 1.0

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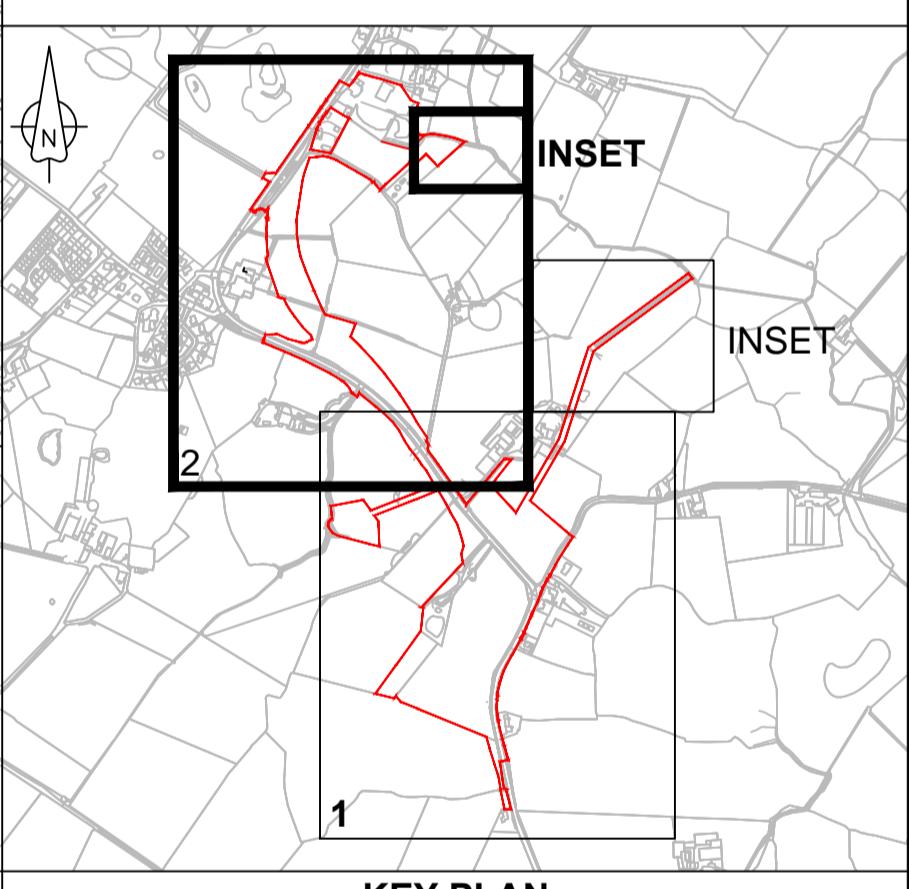
NOT PROTECTIVELY MARKED

NOTES

1. All levels in metres unless stated otherwise.
2. Drawn at scale 1:1000 @ A1.
3. All earthworks batter slopes are shown at a gradient of 1 in 2.5.
4. Existing ground levels based on topographical survey information from surveys undertaken.
5. 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.
6. Road alignment geometry has been designed in accordance with DMRB td 0/03.
7. For details of proposed drainage refer to drawings WN0902-HZDCO-OHW-DRG-00041 & 00042

LEGEND

- Order Limits
- Existing public right of way (PROW)
- Proposed carriageway
- Proposed shared use footway-cycleway
- Existing carriageway to be stopped up
- Proposed verge
- Proposed earthworks slopes
- Proposed access track
- Existing watercourse
- Proposed attenuation pond
- Proposed highway boundary fence
- Proposed gated private means of access
- Proposed land drainage ditch
- Proposed stone wall



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

FOR APPROVAL

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WYLFA NEWYDD
DCO PROJECT

Drawing Title
A5025 OFF-LINE HIGHWAY IMPROVEMENTS
SECTION 5 - LLANFAETHLU
PROPOSED GENERAL ARRANGEMENT
PLAN - SHEET 2

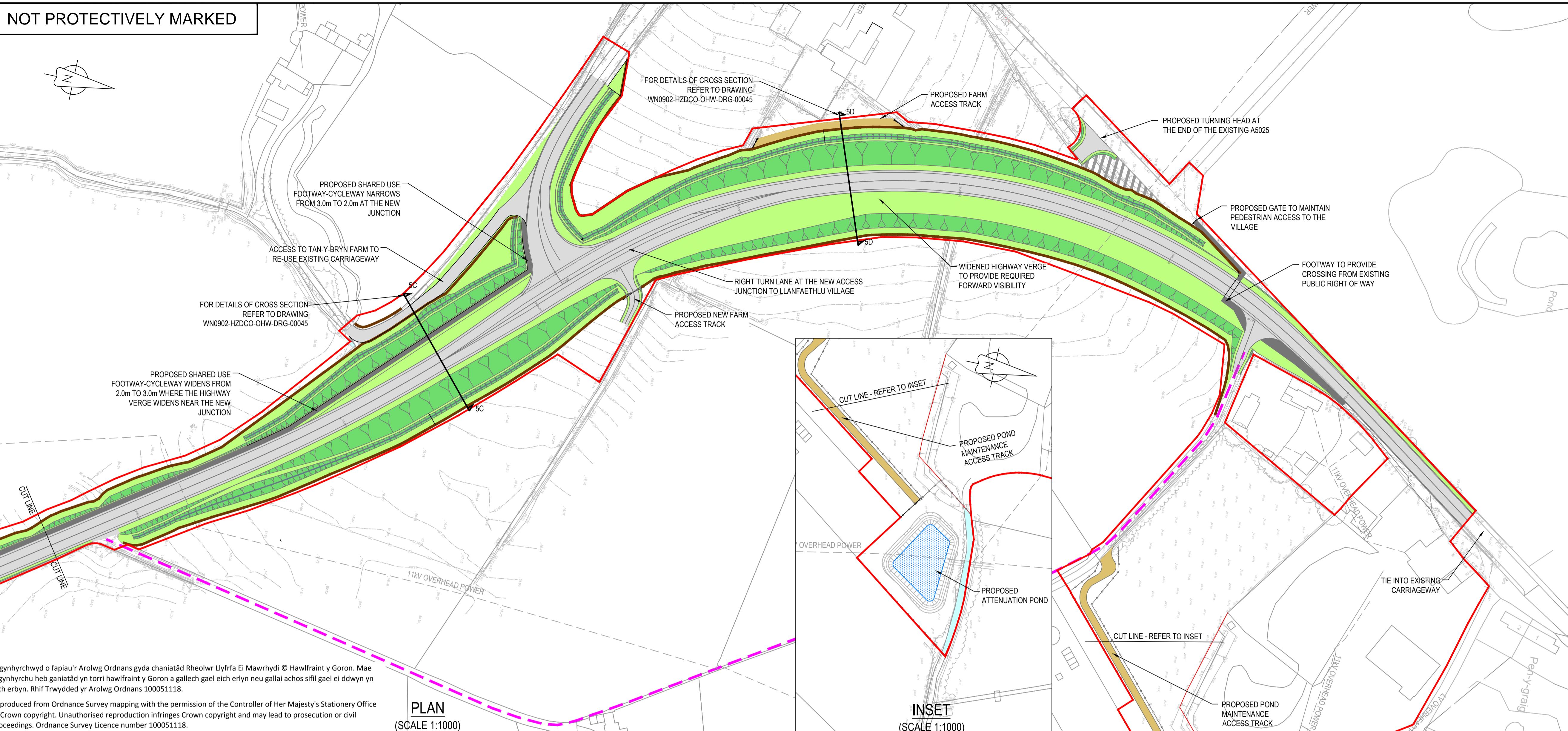
Regulation 5 (2) (o)

Security Status
NOT PROTECTIVELY MARKED

Scale	AS SHOWN	Sheet Size	A1	Sheet(s)	1 of 1
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Drawing Number	WN0902-HZDCO-OHW-DRG-00038	Rev
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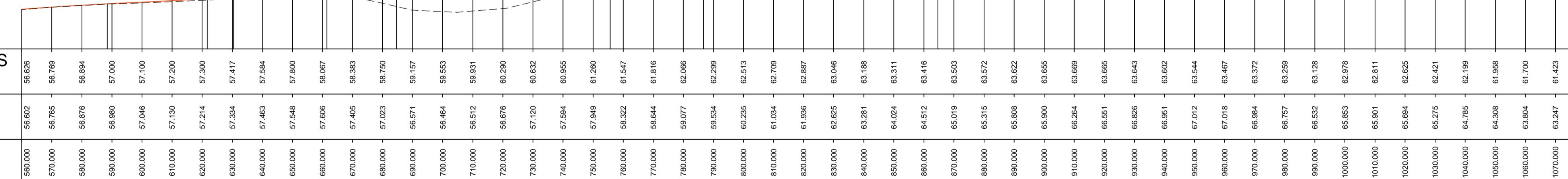
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PLAN
(SCALE 1:1000)

INSET
(SCALE 1:1000)

Level Datum =54.000

PROPOSED LEVELS
MC01

Level Datum =54.000

PROPOSED LEVELS
MC01

EXISTING LEVELS

CHAINAGE

LONGITUDINAL SECTIONS

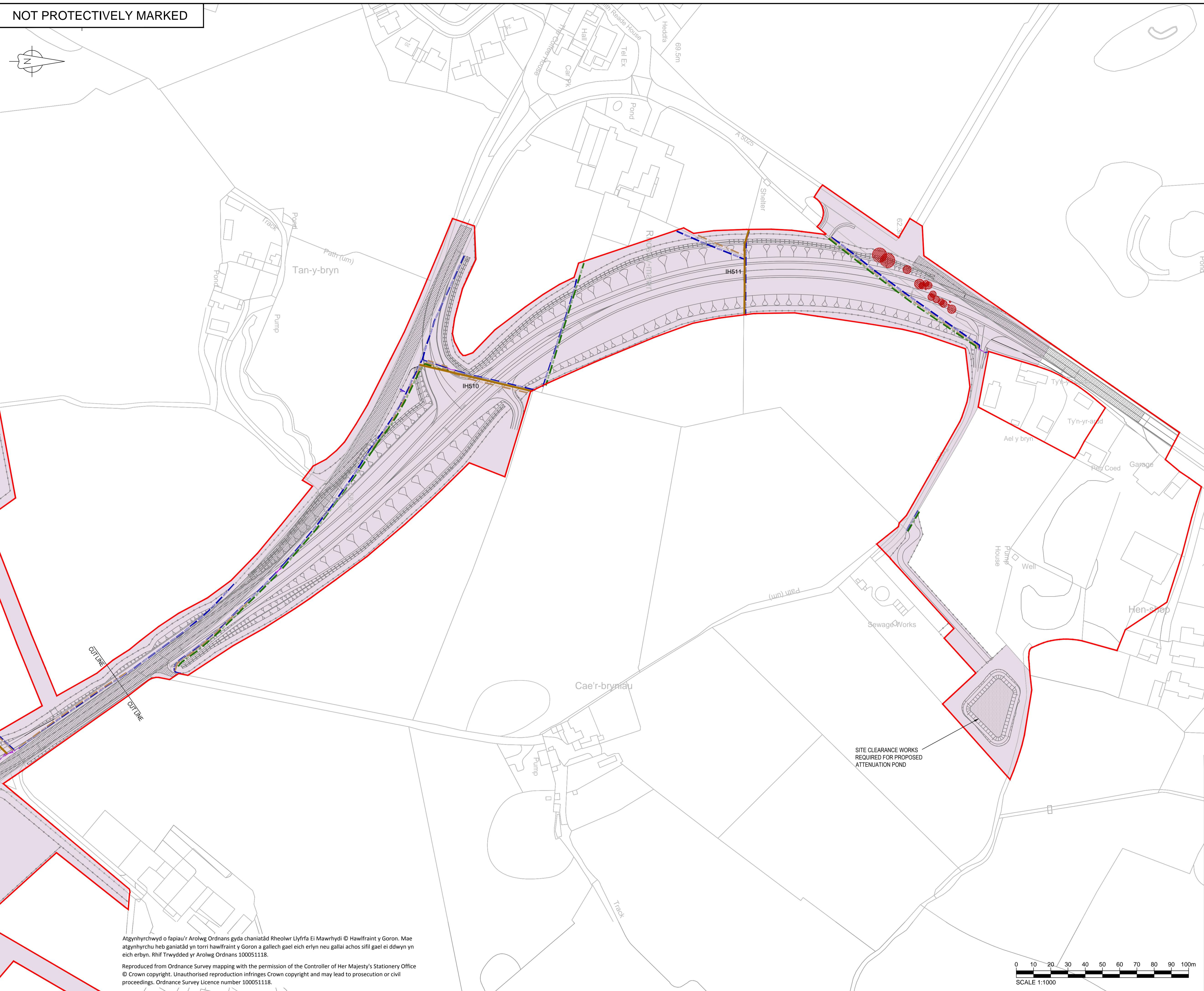
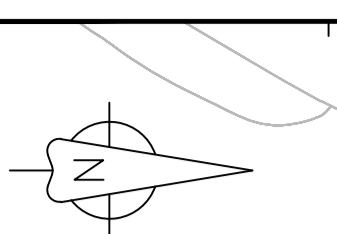
(SCALE 1:1000H & 1:200V)

0 10 20 30 40 50 60 70 80 90 100m
0 2 4 6 8 10 12 14 16 18 20m

SCALE 1:1000
SCALE 1:200

1080.000 - 61.128	56.602	56.626
1090.000 - 61.916	56.845	56.789
1100.000 - 61.569	56.464	56.834
1110.000 - 61.133	56.134	56.980
1120.000 - 60.767	56.767	57.000
1130.000 - 60.398	56.391	57.100
1140.000 - 59.475	56.977	57.130
1150.000 - 58.562	56.555	57.200
1160.000 - 58.053	56.114	57.240
1170.000 - 57.550	56.684	57.280
1180.000 - 57.030	57.179	57.320
1190.000 - 56.612	56.632	57.360
1200.000 - 56.171	56.655	57.400
1210.000 - 55.655	56.684	57.440
1220.000 - 55.168	56.714	57.480
1230.000 - 54.896	56.836	57.520
1240.000 - 54.635	56.866	57.560
1250.000 - 54.519	56.576	57.600
1260.000 - 54.467	56.521	57.640
1270.000 - 54.516	56.532	57.680
1280.000 - 54.516	56.532	57.720

NOT PROTECTIVELY MARKED

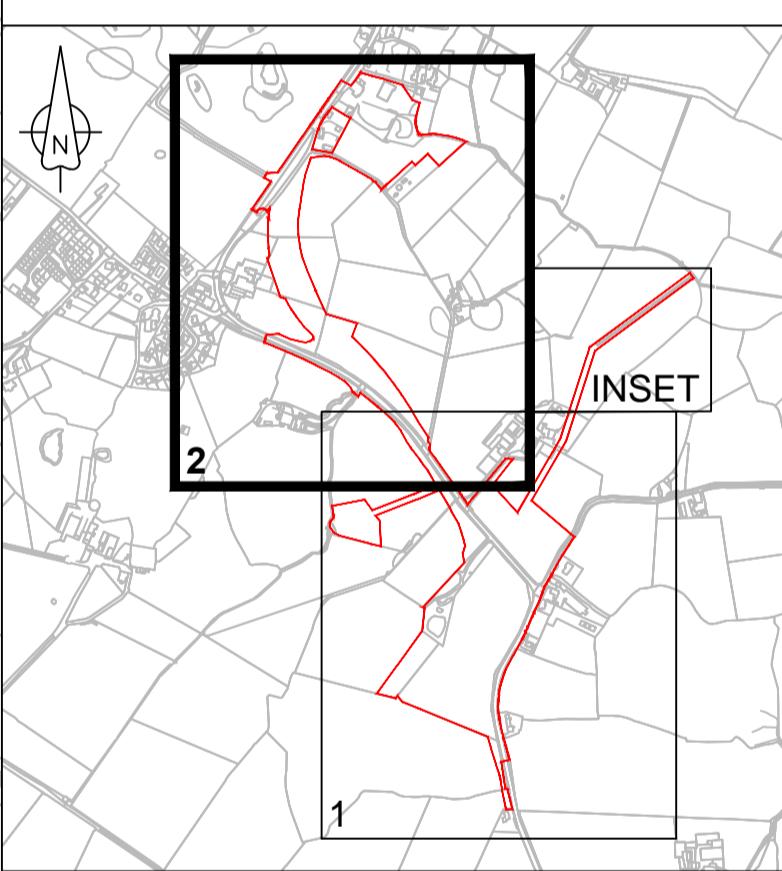


NOTES

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

LEGEND

- Order Limits
- General site clearance area
- Road pavement to be excavated & removed
- Stone wall to be removed
- TPW Timber post & wire fence to be removed
- Hedgerow to be removed
- Tree to be removed
- Road sign to be removed
- Gate to be removed
- Important Hedgerow (Hedgerow Regulations 1997) To be removed



KEY PLAN
(NOT TO SCALE)

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

FOR APPROVAL

HORIZON
NUCLEAR POWER

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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 5 - LLANFAETHLU
PROPOSED SITE CLEARANCE PLAN,
SHEET 2**

Regulation 5 (2) (o)

Security Status
NOT PROTECTIVELY MARKED

Scale 1:1000 Sheet Size A1 Sheet(s) 1 of 1

Drawing Number WN0902-HZDCO-OHW-DRG-00040 Rev

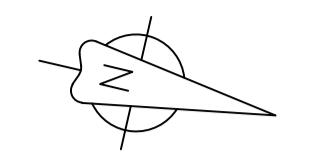
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0 10 20 30 40 50 60 70 80 90 100m
SCALE 1:1000

NOT PROTECTIVELY MARKED



11kV OVERHEAD POWER

LV OVERHEAD POWER

PROPOSED HEADWALL OUTFALL IN TO EXISTING CHANNEL

IMPROVEMENTS TO EXISTING DRAINAGE CHANNEL REQUIRED

INSET A

(SCALE 1:2000)

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

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LONGITUDINAL SECTIONS

(SCALE 1:1000H & 1:200V)

SCALE 1:2000

SCALE 1:1000

SCALE 1:200

SCALE 1:200

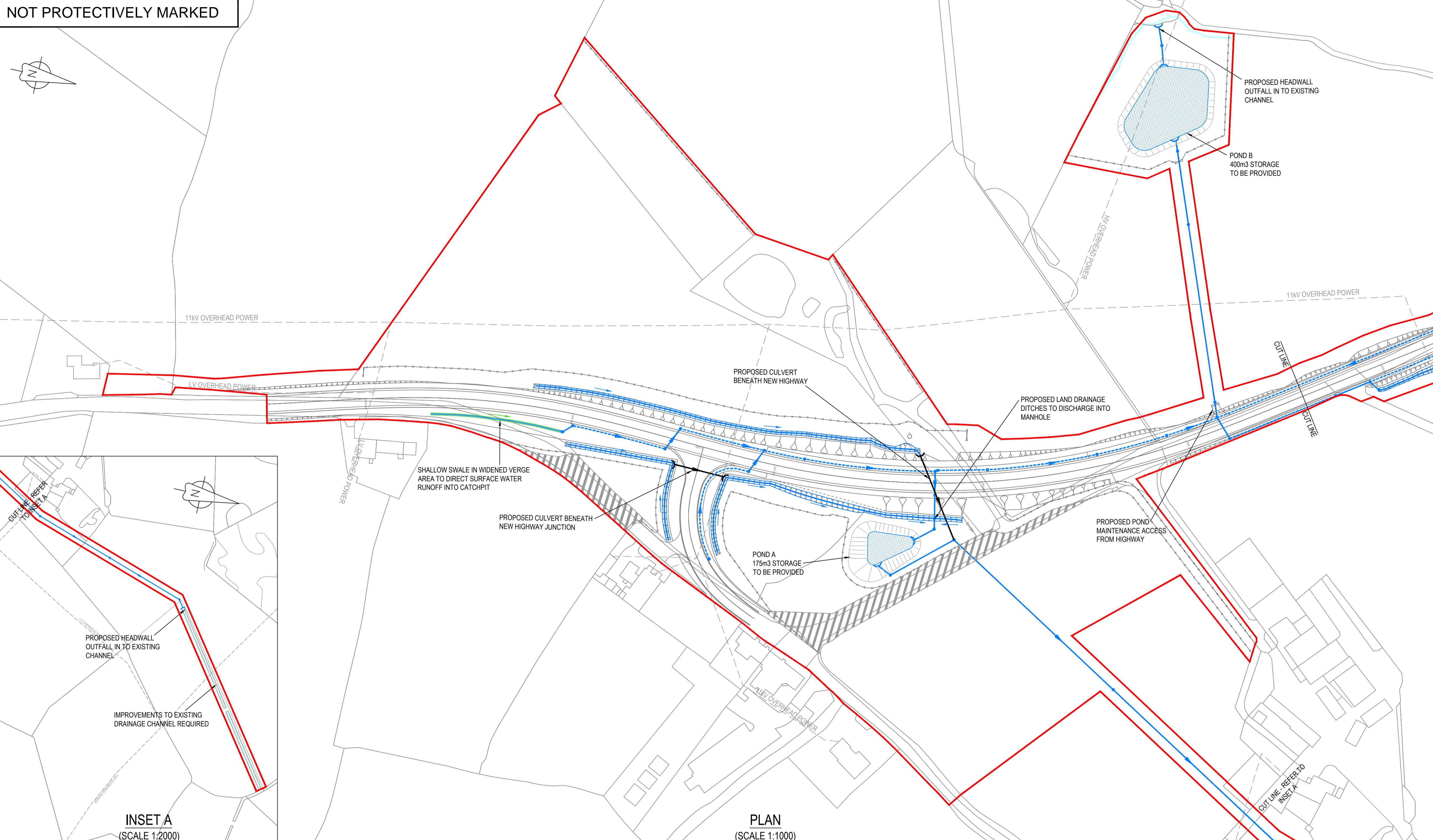
Level Datum = 54.000

PROPOSED LEVELS

MC01

EXISTING LEVELS

CHAINAGE



PLAN

(SCALE 1:1000)

NOTES

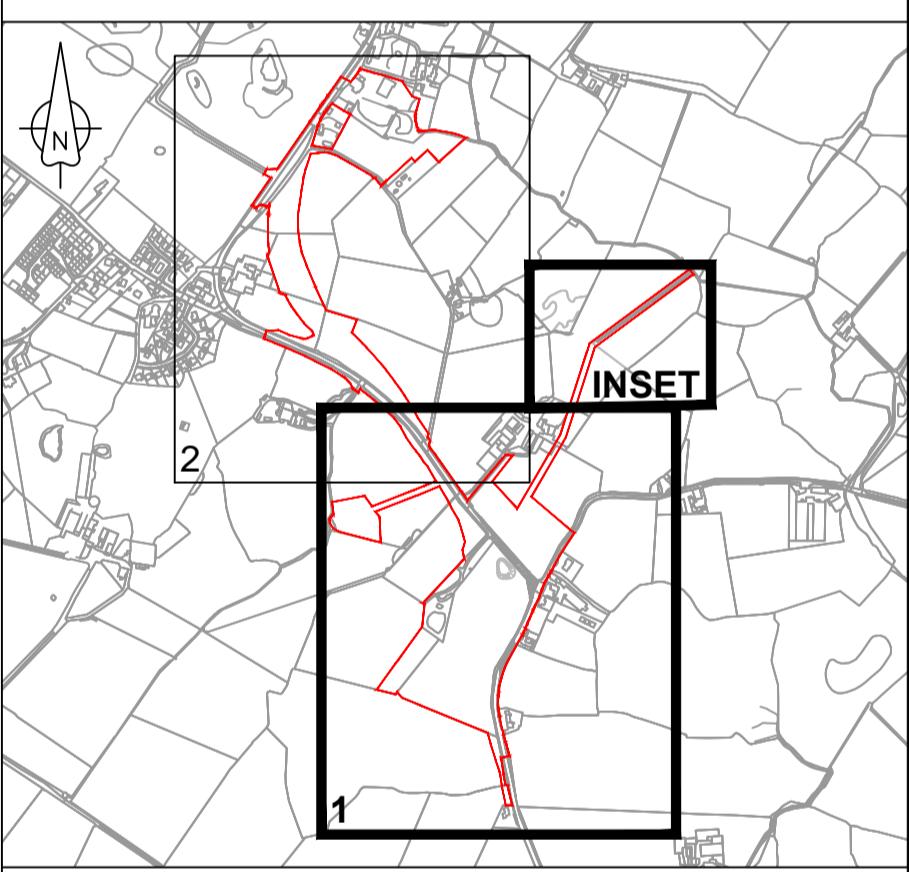
- All levels in metres unless stated otherwise.
- Earthwork batter slopes are shown at a gradient of 1 in 2.5.
- Pond batter slopes are shown at a gradient of 1 in 3.
- Existing ground survey is based on the highway topographical survey dated 29.01.2012 and additional land topographical survey (dated 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 attenuation pond
- Proposed land drainage ditch
- Proposed headwall
- Proposed catchpit
- Proposed carrier drain
- Proposed filter drain
- Proposed culvert (to include mammal ledges where practicable).
- Proposed shallow swale

REFERENCE DRAWINGS

- WN0902-HZDCO-OHW-DRG-00042 - SHEET 2



KEY PLAN
(NOT TO SCALE)

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

FOR APPROVAL

HORIZON
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**WYLFA NEWYDD
DCO PROJECT**

Drawing Title

A5025 OFF-LINE HIGHWAY IMPROVEMENTS

SECTION 5 - LLANFAETHLU

PROPOSED DRAINAGE PLAN

SHEET 1

Regulation 5 (2) (o)

Security Status

NOT PROTECTIVELY MARKED

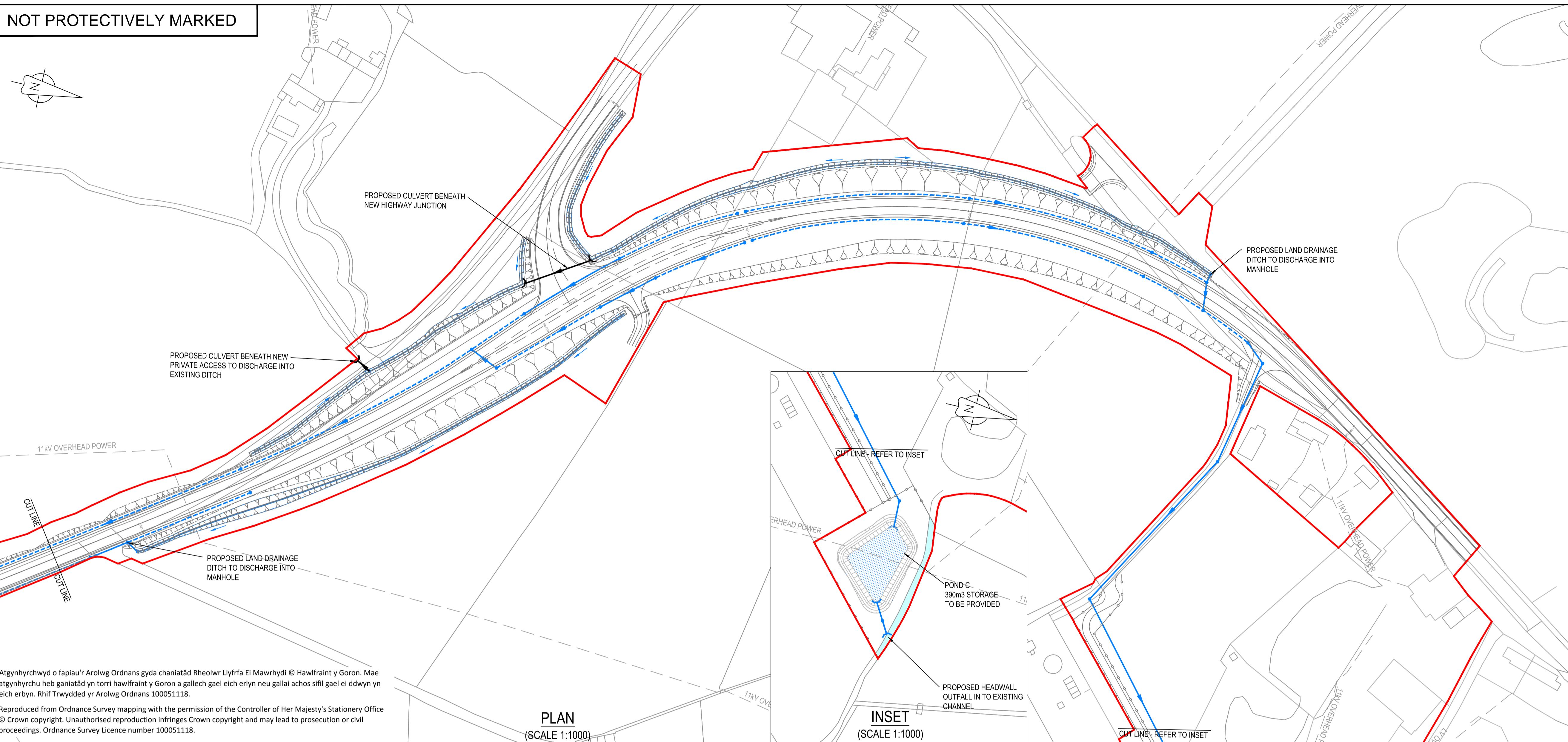
Scale AS SHOWN Sheet Size A1 Sheet(s) 1 of 1

Drawing Number

WN0902-HZDCO-OHW-DRG-00041 1.0

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NOTES

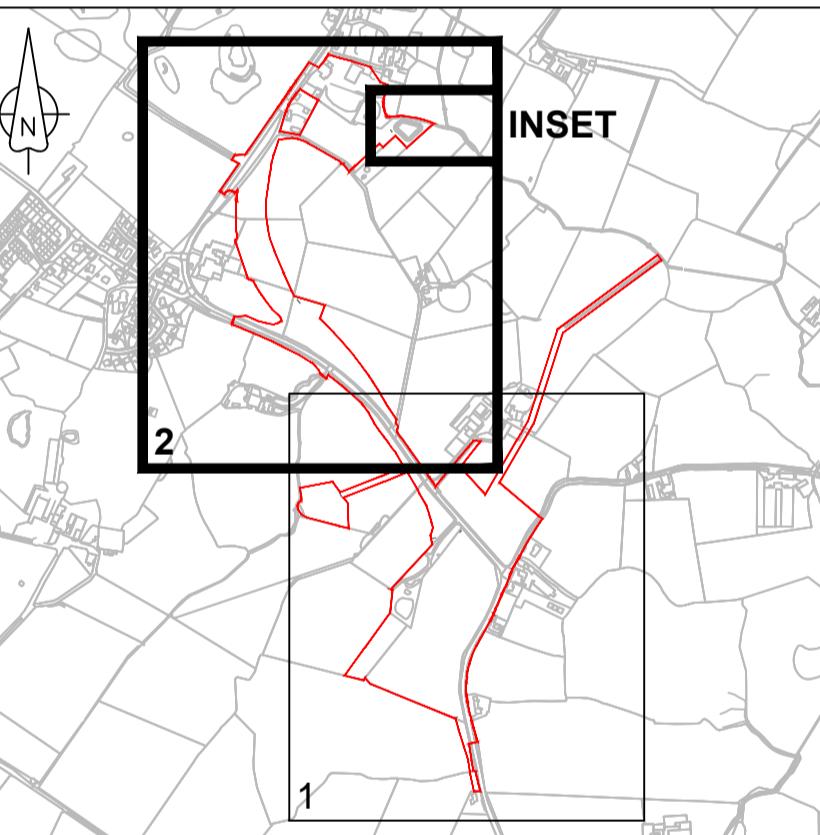
1. All levels in metres unless stated otherwise.
2. Earthwork batter slopes are shown at a gradient of 1 in 2.5.
3. Pond batter slopes are shown at a gradient of 1 in 3.
4. Existing ground survey is based on the highway topographical survey (dated 29.01.2012) and additional land topographical survey (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
- Existing watercourse
- Proposed highway boundary fence
- Proposed attenuation pond
- Proposed land drainage ditch
- Proposed headwall
- Proposed catchpit
- Proposed carrier drain
- Proposed filter drain
- Proposed culvert (to include mammal ledges where practicable).

REFERENCE DRAWINGS

1. WN0902-HZDCO-OHW-DRG-00041 - SHEET 1

KEY PLAN
(NOT TO SCALE)

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

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DCO PROJECT

Drawing Title
A5025 OFF-LINE HIGHWAY IMPROVEMENTS
SECTION 5 - LLANFAETHLU
PROPOSED DRAINAGE PLAN
SHEET 2

Regulation 5 (2) (o)

Security Status
NOT PROTECTIVELY MARKED

Scale **AS SHOWN** Sheet Size **A1** Sheet(s) **1 of 1**

Drawing Number **WN0902-HZDCO-OHW-DRG-00042** Rev **1.0**

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Level Datum =54.000

PROPOSED LEVELS

MC01

EXISTING LEVELS

CHAINAGE

1080.000	62.825	61.128	56.602	56.626
1090.000	61.916	60.815	57.765	58.769
1100.000	61.589	60.484	58.800	58.894
1110.000	61.133	60.134	59.900	59.980
1120.000	60.767	59.767	60.000	57.046
1130.000	60.308	59.381	61.000	57.130
1140.000	59.775	58.977	62.000	57.214
1150.000	58.462	58.555	63.000	57.334
1160.000	58.153	58.114	64.000	57.463
1170.000	57.550	57.686	65.000	57.548
1180.000	57.030	57.179	66.000	57.606
1190.000	56.512	56.684	67.000	57.405
1200.000	56.032	56.171	68.000	57.023
1210.000	55.655	55.650	69.000	56.571
1220.000	55.168	55.218	70.000	56.464
1230.000	54.696	54.896	71.000	56.512
1240.000	54.635	54.686	72.000	56.676
1250.000	54.519	54.576	73.000	57.120
1260.000	54.467	54.521	74.000	57.584
1270.000	54.408	54.516	75.000	57.949
1272.000	54.332	54.532	76.000	58.322

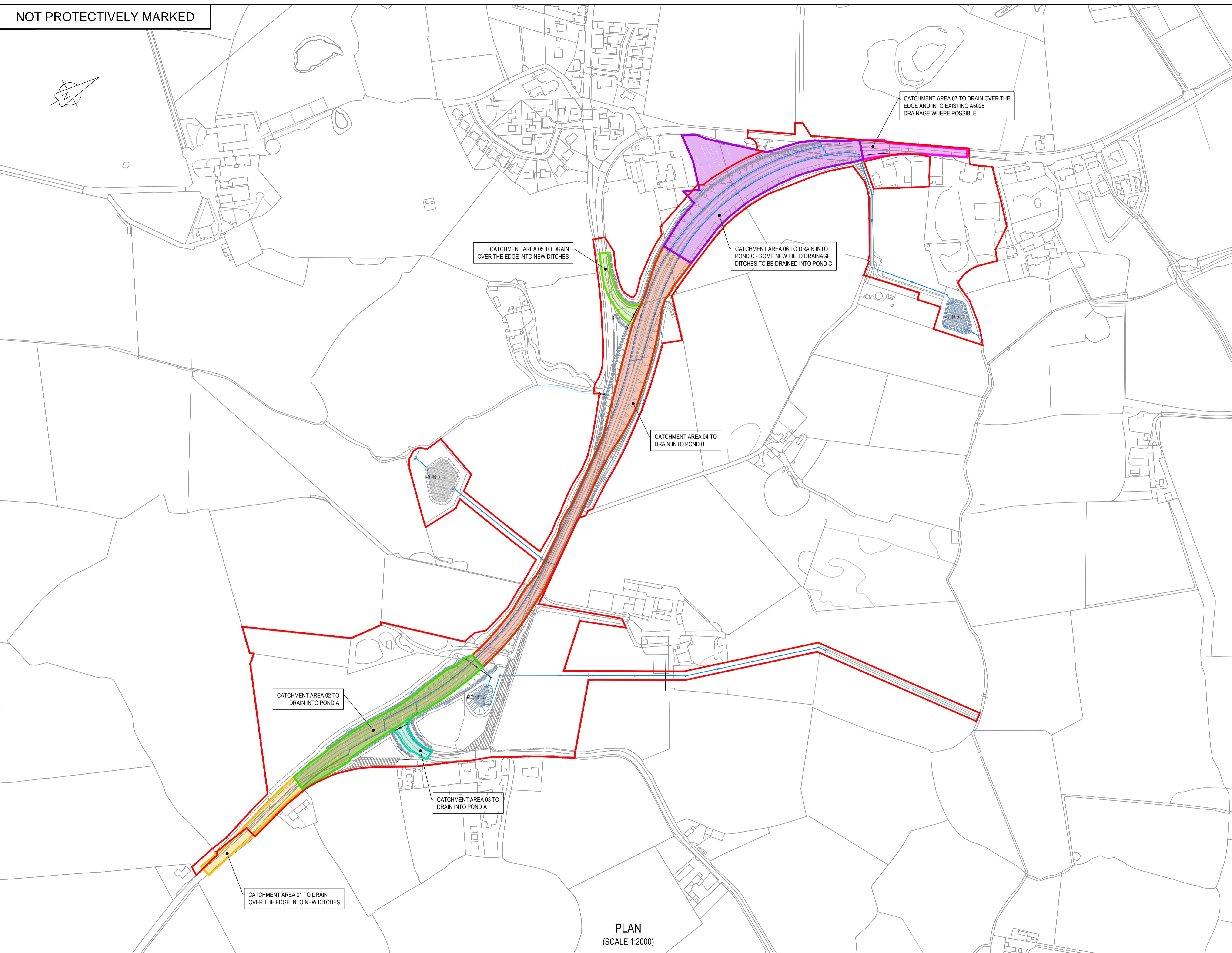
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PROPOSED LEVELS	MC01
EXISTING LEVELS	
CHAINAGE	

LONGITUDINAL SECTIONS
(SCALE 1:1000H & 1:200V)

0 10 20 30 40 50 60 70 80 90 100m 0 2 4 6 8 10 12 14 16 18 20m
SCALE 1:1000
SCALE 1:200

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NOTES

1. Earthwork batter slopes are shown at a gradient of 1 in 2.5.
2. Pond batter slopes are shown at a gradient of 1 in 3.
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).
4. Pond volumes are based on a 1 in 100 year return period plus 30% climate change.
5. Ponds to be located outside of the flood plain.
6. Drainage layouts are indicative for information only and are subject to detailed design and modelling.
7. 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.
8. Gradients of filter drains typically follow the longitudinal fall of the highway with a minimum cover of 1.2m.
9. Filter drain inspection chambers shall be located at regular intervals and at connection points. The spacing between inspection chambers shall not exceed 80m.
10. Drainage outfall locations and levels are based on topographical survey information data.

LEGEND

- Order Limits
- Catchment Area 01
- Catchment Area 02
- Catchment Area 03
- Catchment Area 04
- Catchment Area 05
- Catchment Area 06
- Catchment Area 07

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

FOR INFORMATION

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NUCLEAR POWER

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Project
**WYLFA NEWYDD
DCO PROJECT**

Drawing Title
**A5025 OFF-LINE HIGHWAY IMPROVEMENTS
SECTION 5 - LLANFAETHLU
PROPOSED DRAINAGE CATCHMENT
PLAN**

Regulation 5 (2) (o)

Security Status
NOT PROTECTIVELY MARKED

Scale 1:2000 Sheet Size A1 Sheet(s) 1 of 1

Drawing Number WN0902-HZDCO-OHW-DRG-00043 Rev

NOT PROTECTIVELY MARKED

NOTES

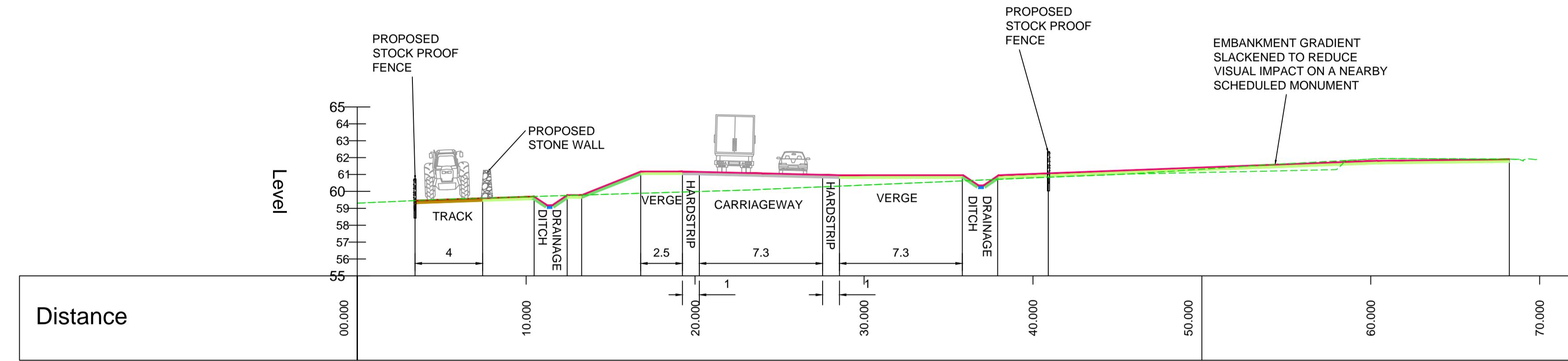
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2. All dimensions in metres unless stated otherwise.

LEGEND

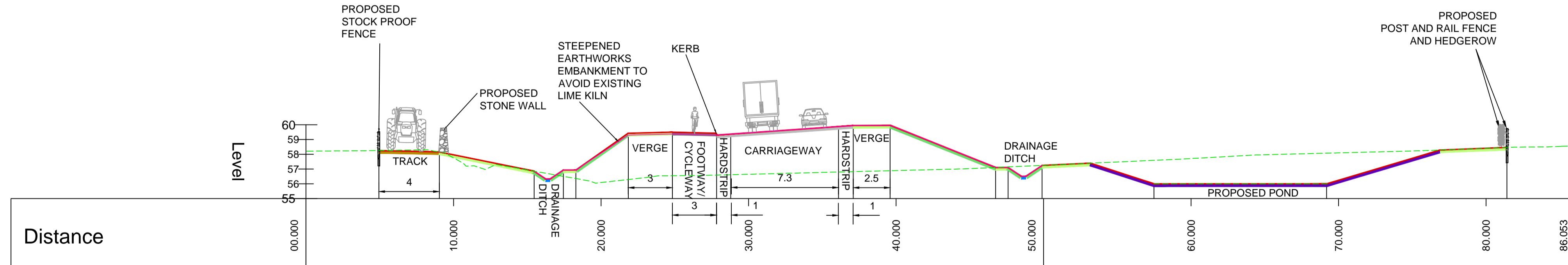
— Proposed levels
- - - Existing levels

REFERENCE DRAWINGS

N0902-H2DCO-OHW-DRG-00037 - A5025 OFF-LINE HIGHWAYS
PROVEMENTS SECTION 5 - LLANFAETHLU PROPOSED
GENERAL ARRANGEMENT (SHEET 1)



PROPOSED CROSS SECTION 5A-A
(SCALE 1:200)



PROPOSED CROSS SECTION 5B-E
(SCALE 1:200)

MARCH 2018 FOR DCO SUBMISSION HNPWL HNPWL HNPWL

HORIZON NUCLEAR POWER

1420 Charlton Court, Gloucester Business Park, Gloucester, GL3 4AE, UK

WYLFA NEWYDD DCO PROJECT

ng Title

2025 OFF-LINE HIGHWAY IMPROVEMENTS

SECTION 5 - LLANFAETHLU

PROPOSED CROSS SECTION 5A-A & 5B-B

regulation 5 (2) (o)

NOT PROTECTIVELY MARKED

1:200 Sheet Size A1 Sheet(s) 1 OF 1

ng Number Rev
/N0902-HZDCQ-OHW-DRG-00044 1.0

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0 2 4 6 8 10 12 14 16 18 20m

SCALE 1:200

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NOTES

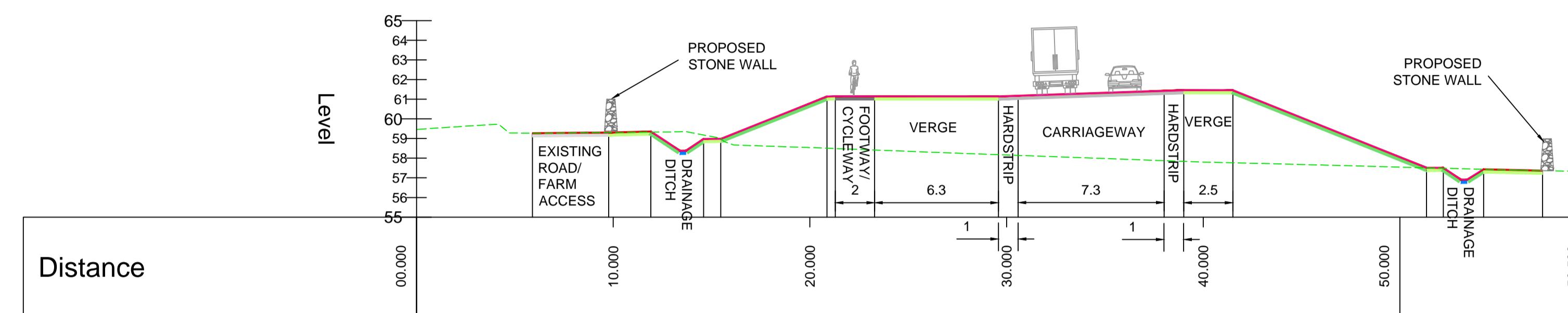
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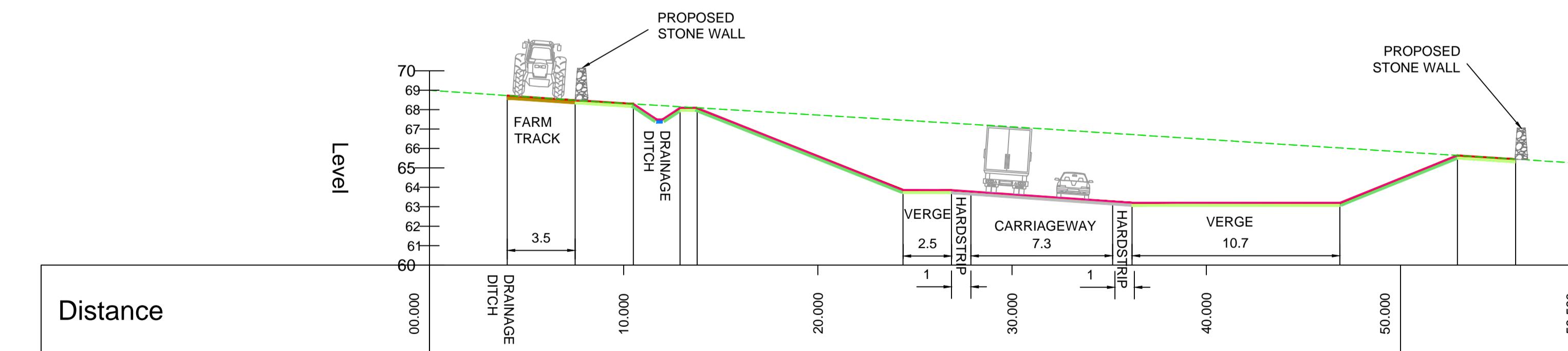
— Proposed levels
- - - Existing levels

REFERENCE DRAWINGS

WN0902-HZDCO-OHW-DRG-00038 - A5025 OFF-LINE HIGHWAYS IMPROVEMENTS SECTION 5 - LLANFAETHLU PROPOSED GENERAL ARRANGEMENT (SHEET 2)



PROPOSED CROSS SECTION 5C-C
(SCALE 1:200)



PROPOSED CROSS SECTION 5D-D
(SCALE 1:200)

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

FOR APPROVAL

HORIZON
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Project

WYLFA NEWYDD
DCO PROJECT

Drawing Title
A5025 OFF-LINE HIGHWAY IMPROVEMENTS
SECTION 5 - LLANFAETHLU
PROPOSED CROSS SECTION 5C-C & 5D-D

Regulation 5 (2) (o)

Security Status

NOT PROTECTIVELY MARKED

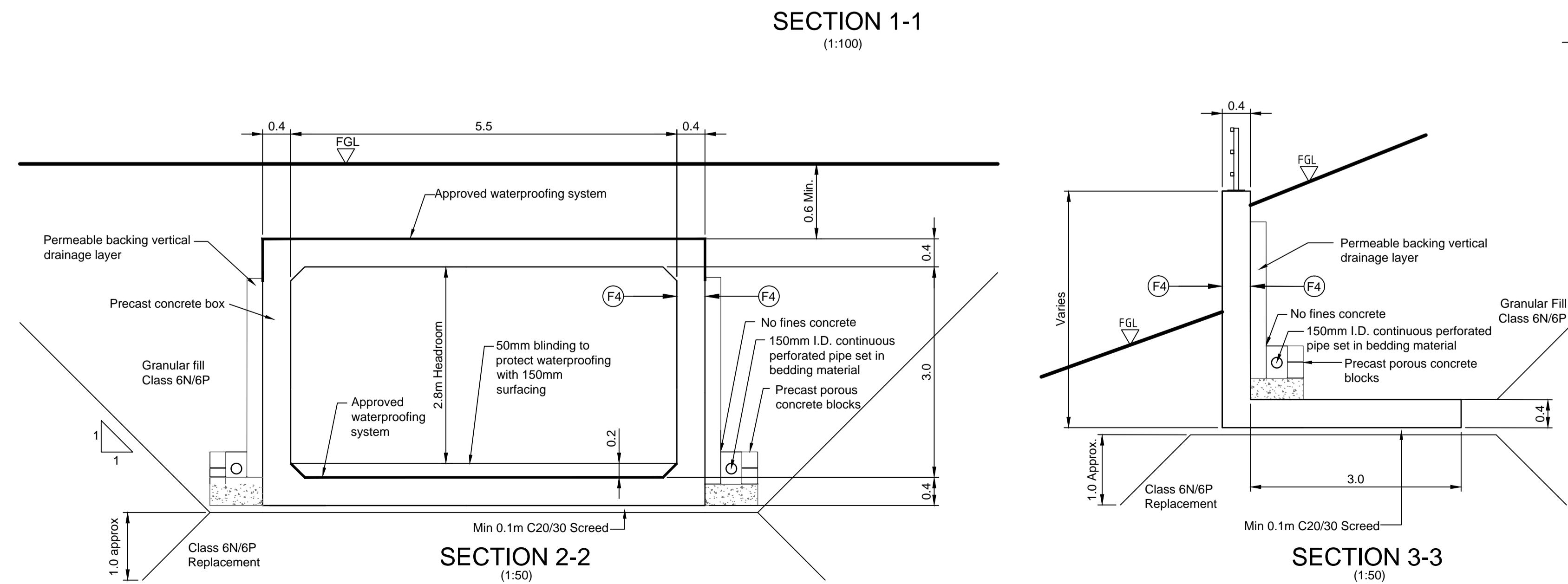
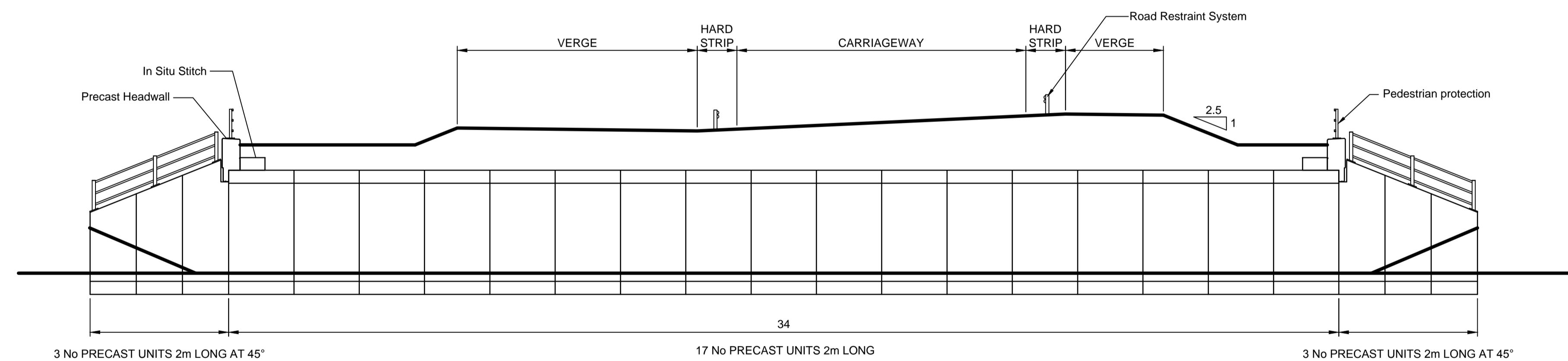
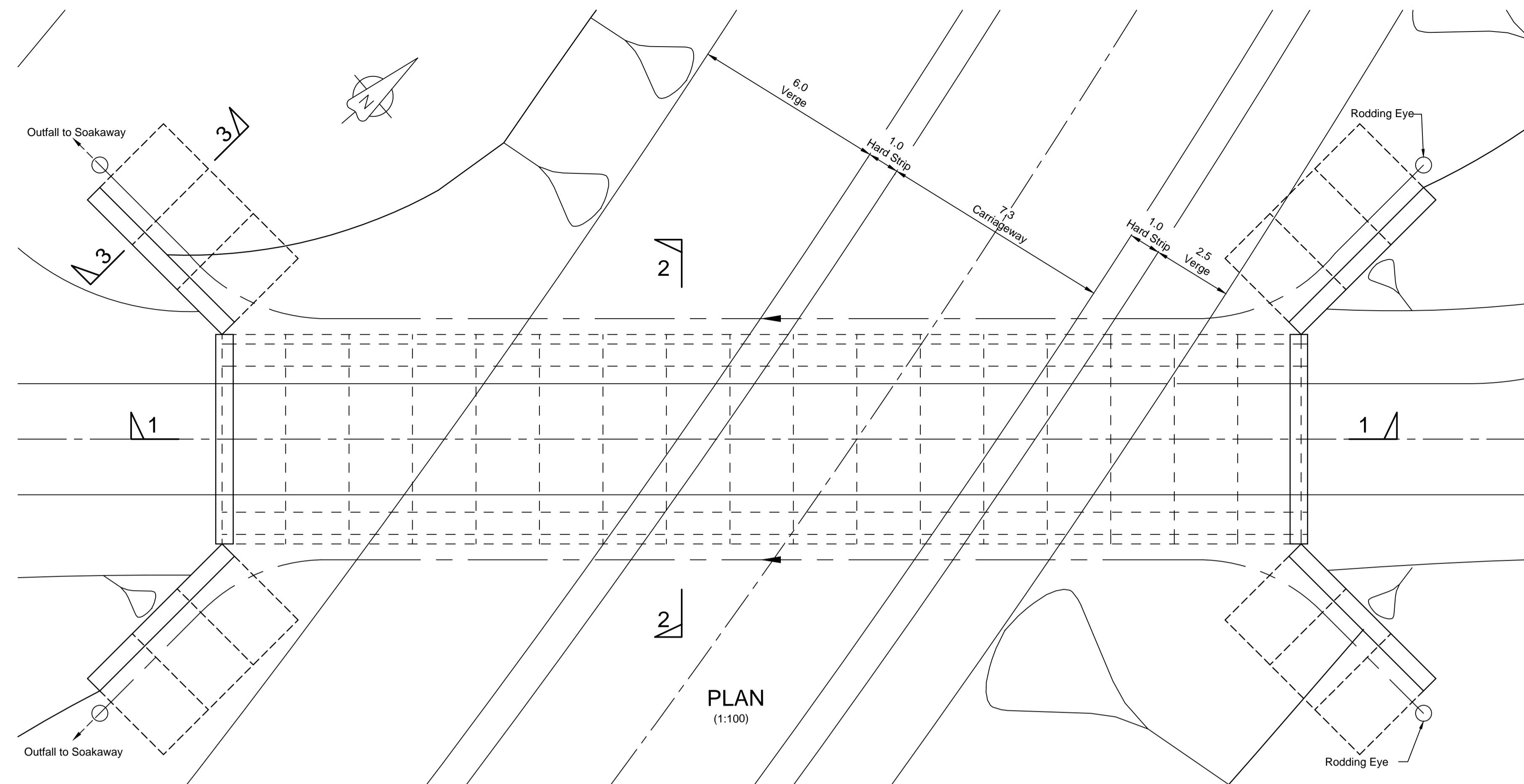
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Drawing Number	WN0902-HZDCO-OHW-DRG-00045	Rev	1.0
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0 2 4 6 8 10 12 14 16 18 20m
SCALE 1:200

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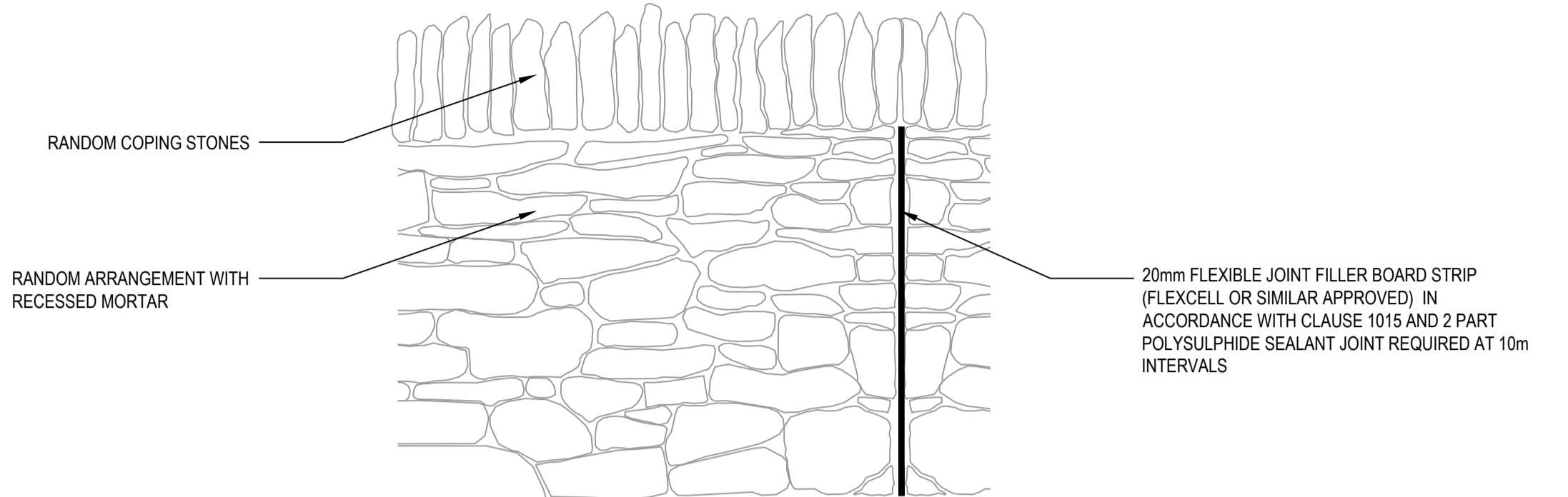
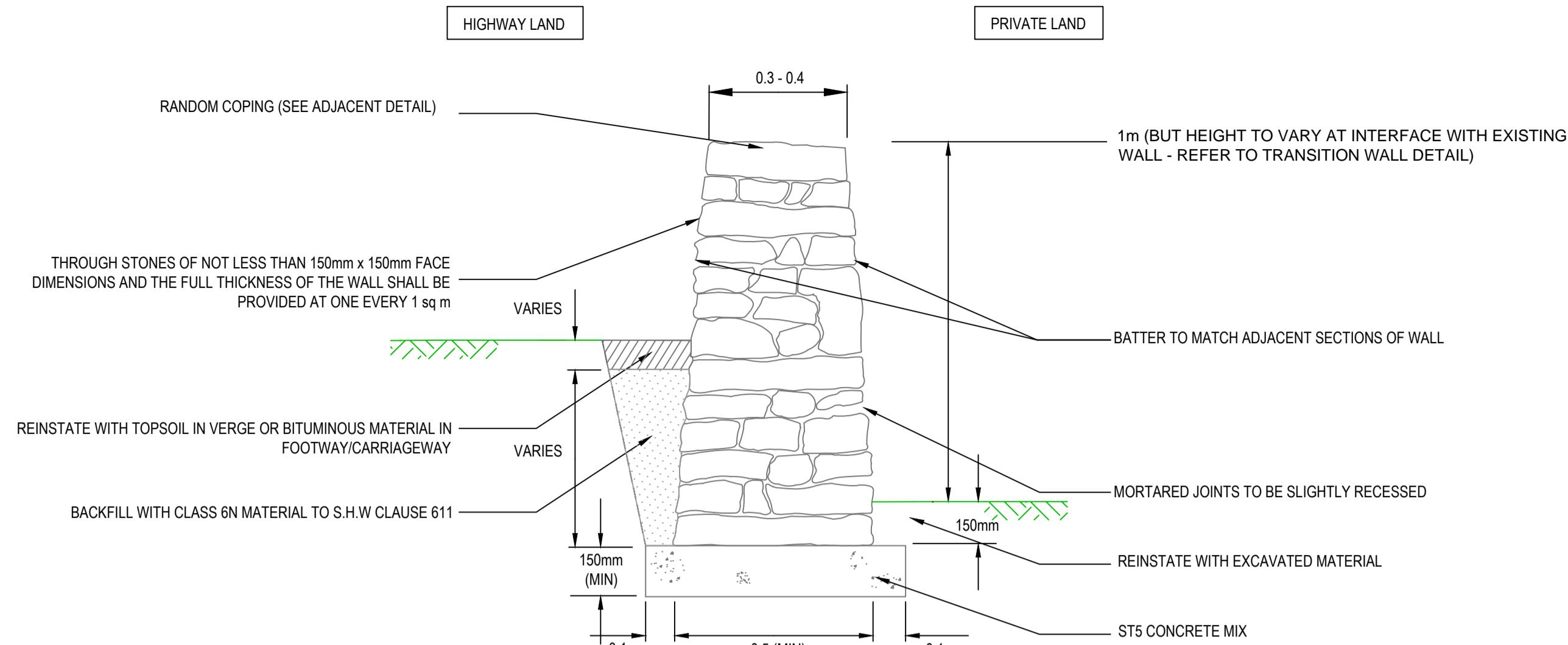


NOTES

- All dimensions are in metres unless otherwise stated.
- Concrete strength class: Precast box and wing walls c50/60
- Notation: Class of formed concrete finish is indicated thus **F4** for class F4

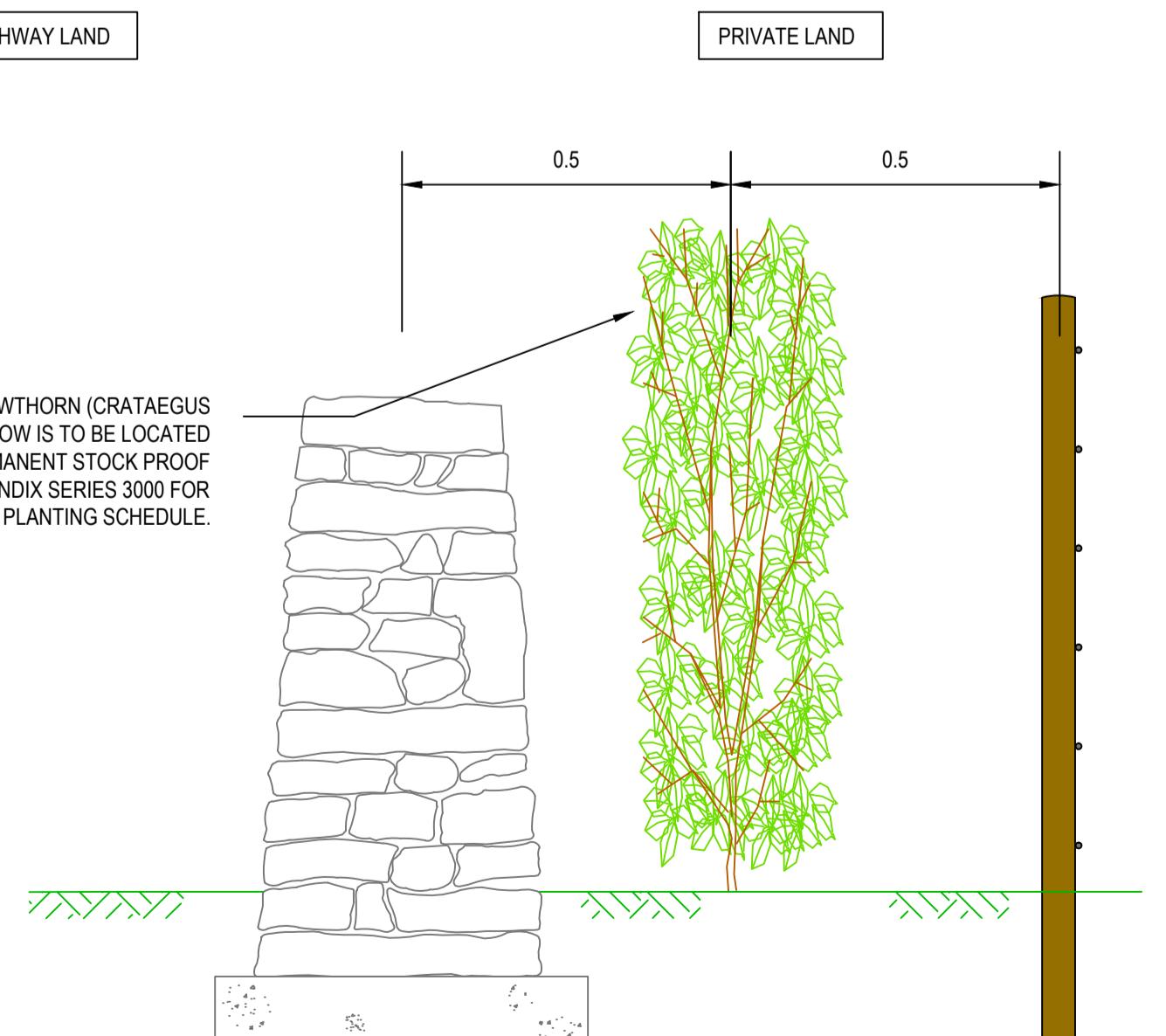
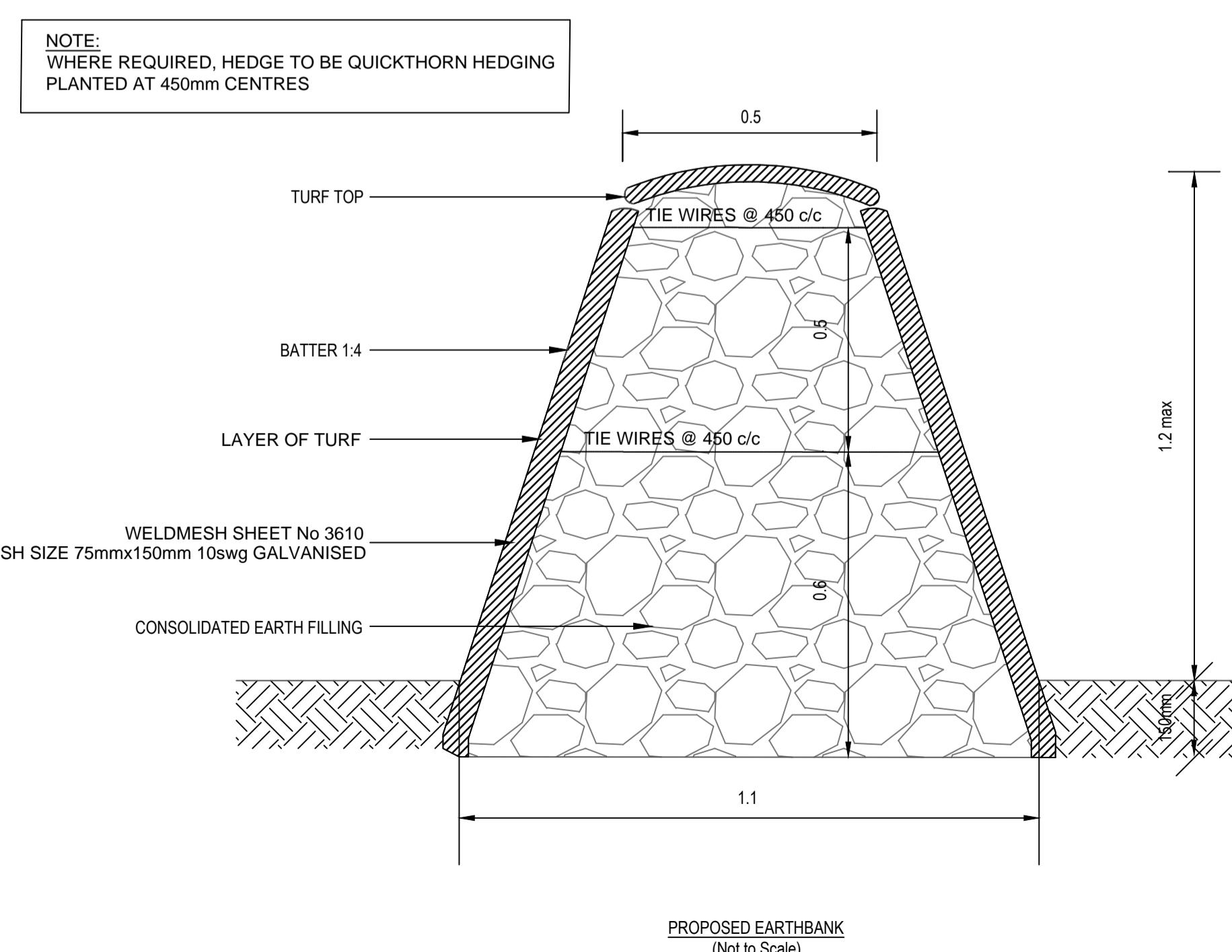
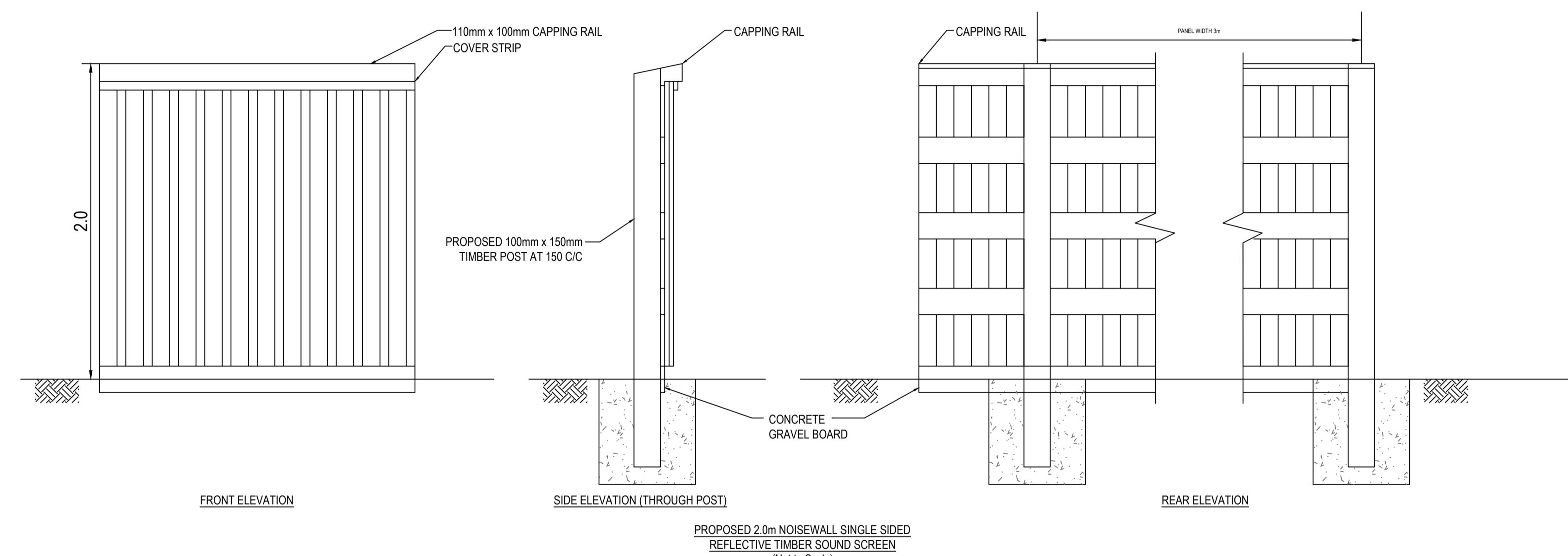
1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Rev	Rev. Date	Purpose of revision	Drawn	Checkd	Apprvd
ILLUSTRATIVE					
HORIZON					
NUCLEAR POWER					
Sunrise House, 1420 Charlton Court, Gloucester Business Park, Gloucester, GL3 4AE, UK					
Freephone: 0845 300 6816 Email: info@horizonuclearpower.com					
Project					
WYLFA NEWYDD					
DCO PROJECT					
Drawing Title					
A5025 OFF-LINE HIGHWAY IMPROVEMENTS					
SECTION 5 - LLANFAETHLU					
LLANFAETHLU UNDERPASS					
GENERAL ARRANGEMENT					
Regulation 5 (2) (o)					
Security Status					
NOT PROTECTIVELY MARKED					
Scale	AS SHOWN	Sheet Size	A1	Sheet(s)	1 of 1
Drawing Number	WN0902-HZDCO-OHW-DRG-00046				
Rev					

NOT PROTECTIVELY MARKED



PROPOSED MORTARED STONE WALL (SECTION) (No. 1)
Scale)

PROPOSED MORTARED STONE WALL (ELEVATION) (Not
Scale)



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

NOTES

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

MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
Re: D-1	Purpose of revision	D	Checklist	1

ILLUSTRATIVE

HORIZON NUCLEAR POWER

rise House, 1420 Charlton Court, Gloucester Business Park, Gloucester, GL3 4AE, UK

WYLFA NEWYDD DCO PROJECT

ng Title

025 OFF-LINE HIGHWAY IMPROVEMENTS

STANDARD DETAILS

BOUNDARY DETAILS

Regulation 5 (2) (o)

NOT PROTECTIVELY MARKED

NOT PROTECTIVELY MARKED

ng Number Rev
N0003 UZDCQ QW DRG 00068 1.0

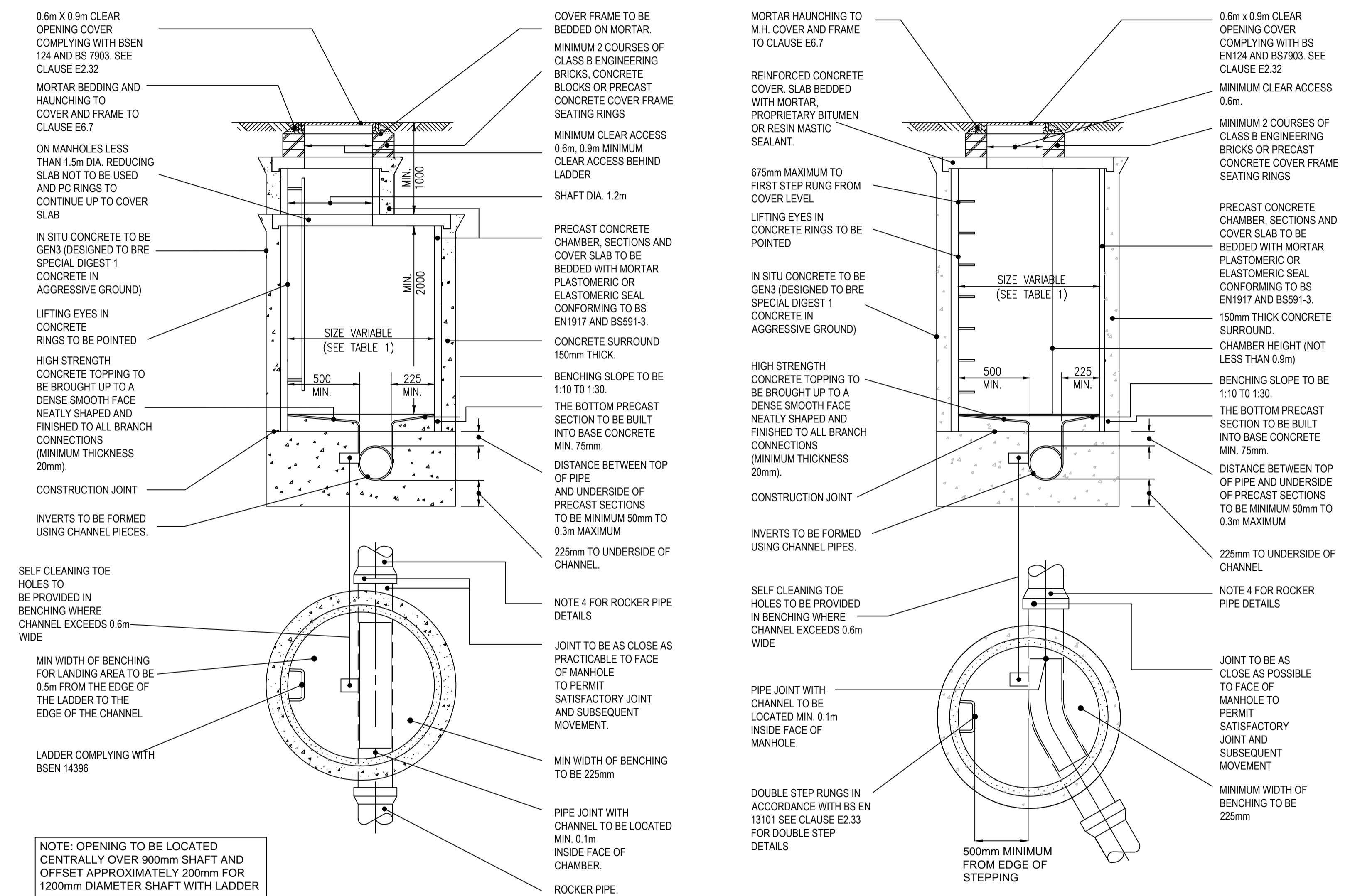
1. All dimensions in metres unless stated otherwise.
2. This drawing should only be read in relation to the subject of the title, reference should be made to the appropriate drawing series for other information.
3. All materials and workmanship to be to in accordance with the specification for highway 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 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



1.0	MARCH 2018	FOR DCO SUBMISSION	HNPWL	HNPWL	HNPWL
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FOR INFORMATION

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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**