

# Wylfa Newydd Project

## Volume 6: Environmental Statement (Part 15/73)

ES Volume C – Road traffic-related effects (project-wide) Figure Booklet – Volume C

PINS Reference Number: EN010007

Application Reference Number: 6.3.32

June 2018

Revision 1.0

Regulation Number: 5(2)(a)

Planning Act 2008

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

# Contents

C1-1 Socio-economic study areas	
C1-2 Key Socio-economic Study Area	
C1-3 Stock tenure by household by KSA sub-area, 2011 (Embedded Figure in Application Reference Number: 6.3.1)	
C1-4 Indicative construction workforce profile (Embedded Figure in Application Reference Number: 6.3.1)	
C1-5 Indicative construction workforce profile showing trade breakdown (Embedded Figure in Application Reference Number: 6.3.1)	
C1-6 Indicative construction workforce accommodation profile (Embedded Figure in Application Reference Number: 6.3.1)	
C1-7 Jobs and skills engagement plan during operation (Embedded Figure in Application Reference Number: 6.3.1)	
C1-8 Wylfa Newydd employment and skills service (Embedded Figure in Application Reference Number: 6.3.1)	
C1-9 Workforce accommodation management service (Embedded Figure in Application Reference Number: 6.3.1)	
C2-1 Accidents	
C2-2 Existing bus routes	
C2-3 Existing cycle routes	
C3-1 Public Access and Recreation Study Area	
C3-2 Public Access and Recreation Features (Northern Area)	
C3-3 Public Access and Recreation Features (Southern Area)	
C4-1 Isle of Anglesey road traffic emissions study area, monitoring and ecological receptor locations	
C4-2 Mainland Wales road traffic emissions study area, monitoring and ecological receptor locations	
C4-3 Predicted change in annual mean NO2 concentrations at human receptors - opening year of the A5025 Off-line highway improvements (2020)	C4-5 Predicted change in annual mean NO2 concentrations at human receptors - peak construction (2023)
C4-4 Predicted change in annual mean NO2 concentrations at human receptors - opening year of the A5025 Off-line highway improvements, without bypass (2020)	C4-6 Predicted change in annual mean NO2 concentrations at human receptors - peak operation (2033)
	C4-7 2020 opening year of the A5025 Offline highway improvements, with bypasses, air quality effects in relation to Beddmanarch Cymyran SSSI
	C5-1 Calculation and study areas for the Logistics Centre and Park and Ride
	C5-2 Calculation and study areas for A5025 Off-line highway improvements and the site campus
	C5-3 Areas of Low Noise Road Surface (LNRS) prior to the A5025 improvements (left pane) and subsequent to completion (right pane)
	C5-4 Daytime do-minimum 2020 vs. do-something 2020 (opening year of A5025 improvements, prior to improvements being completed / operational) for Logistics Centre and Park and Ride
	C5-5 Night-time do-minimum 2020 vs. do-something 2020 (without improvements completed and operational) Logistics Centre and Park and Ride
	C5-6 Daytime do-minimum 2020 vs. do-something 2020 (opening year of A5025 improvements, prior to improvements being completed / operational) for A5025 Off-line highway improvements and the site campus
	C5-7 Night-time do-minimum 2020 vs. do-something 2020 (without improvements completed and operational) A5025 Off-line highway improvements and the site campus
	C5-8 Daytime do-minimum 2020 vs. do-something 2020 (opening year of A5025 improvements, completed and operational) Logistics Centre and Park and Ride
	C5-9 Night-time do-minimum 2020 vs. do-something 2020 (with improvements completed and operational) Logistics Centre and Park and Ride
	C5-10 Daytime do-minimum 2020 vs. do-something 2020 (opening year of A5025 improvements, completed and operational) A5025 Off-line highway improvements and the site campus
	C5-11 Night-time do-minimum 2020 vs. do-something 2020 (with improvements completed and operational) A5025 Off-line highway improvements and the site campus
	C5-12 Daytime do-minimum 2020 vs. do-something 2023 Logistics Centre and Park and Ride
	C5-13 Night-time do-minimum 2020 vs. do-something 2023 Logistics Centre and Park and Ride
	C5-14 Daytime do-minimum 2020 vs. do-something 2023 A5025 overview

# Contents

C5-15 Night-time do-minimum 2020 vs. do-something 2023 A5025 overview

C5-16 Daytime do-minimum 2020 vs. do-minimum 2033 Logistics Centre and Park and Ride

C5-17 Night-time do-minimum 2020 vs. do-something 2033 Logistics Centre and Park and Ride

C5-18 Daytime do-minimum 2020 vs. do-minimum 2033 A5025 overview

C5-19 Night-time do-minimum 2020 vs. do-minimum 2033 A5025 overview

C5-20 Daytime do-minimum 2020 vs. do-something 2033 Logistics Centre and Park and Ride

C5-21 Night-time do-minimum 2020 vs. do-something 2033 Logistics Centre and Park and Ride

C5-22 Daytime do-minimum 2020 vs. do-something 2033 A5025 overview

C5-23 Night-time do-minimum 2020 vs. do-something 2033 A5025 overview

C5-24 Locations of residential receptors estimated to be eligible for noise insulation Logistics Centre and Park and Ride

C5-25 Locations of residential receptors estimated to be eligible for noise insulation A5025 overview

C5-26 Locations of geographic areas and residential receptor groupings Logistics Centre and Park and Ride

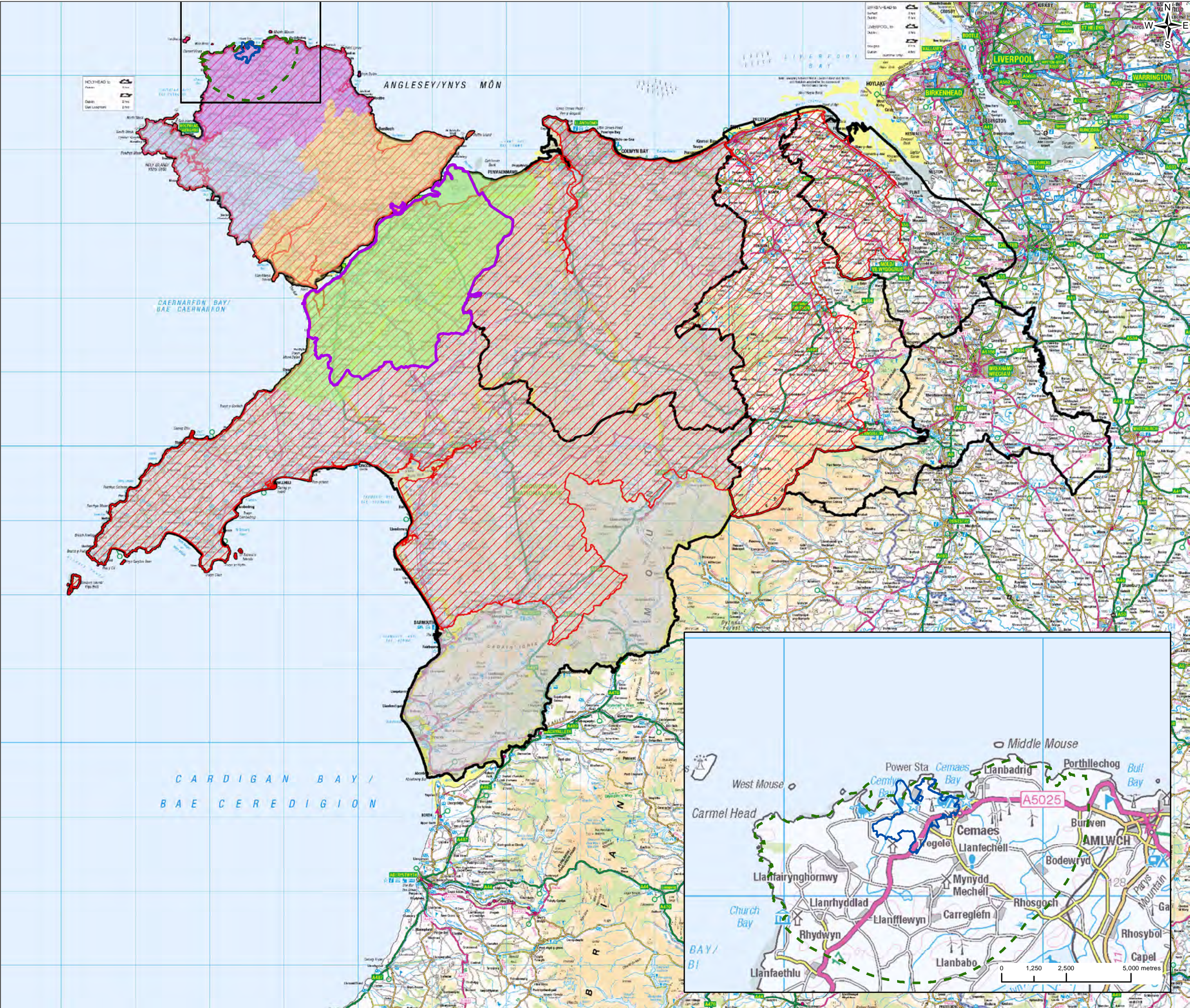
C5-27 Locations of geographic areas and residential receptor groupings A5025 overview

C6-1 Estimated waste tonnages generated from the construction of Wylfa Newydd Project (Embedded Figure in Application Reference Number: 6.3.6)

[This page is intentionally blank]



FIGURE C1-1



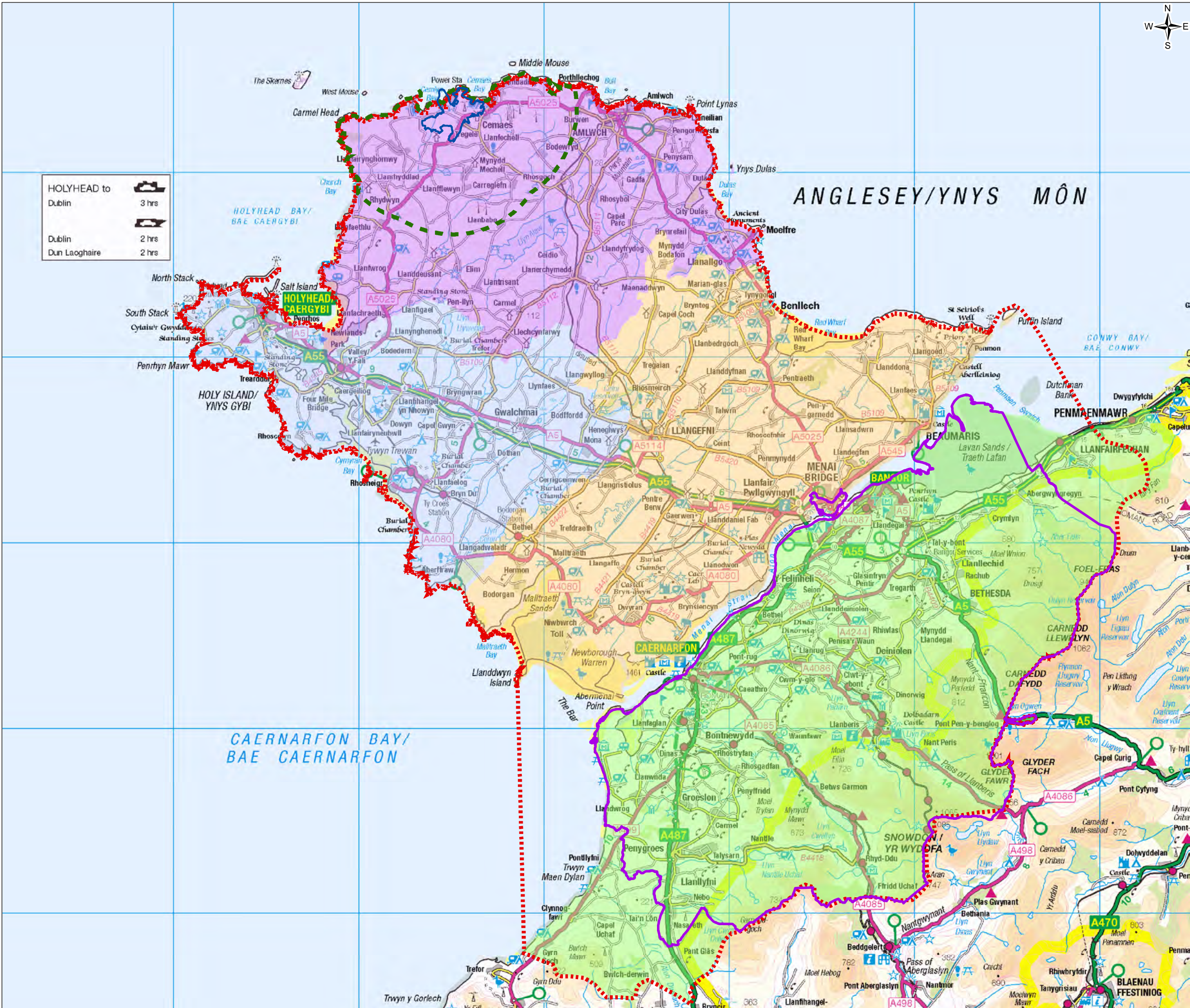
Legend

- Wylfa Newydd Development Area
- Local Area of Influence
- Daily Construction Commuting Zone (DCCZ)
- Anglesey North
- Anglesey South
- Anglesey West
- Menai Mainland
- Arfon (parliamentary constituency)
- Snowdonia National Park
- North Wales
- North West Wales

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client						
Project		WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT				
Drawing Title		SOCIO-ECONOMIC STUDY AREAS				
Scale @ A3	1:500,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_01_01					

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.





### FIGURE C1-2

Legend

- Wylfa Newydd Development Area
- Key Socio-economic Study Area
- Local Area of Influence
- Arfon (parliamentary constituency)
- Anglesey North
- Anglesey West
- Anglesey South
- Menai Mainland
- Snowdonia National Park

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'r'd
Client						
Project						
Drawing Title						
Scale @ A3						
Jacobs No.						
Client No.						
Drawing No.						

**HORIZON**  
NUCLEAR POWER

WYLFA NEWYDD PROJECT  
ENVIRONMENTAL STATEMENT

KEY SOCIO-ECONOMIC STUDY AREA

60PO8077\_DCO\_VOL\_C\_01\_02

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



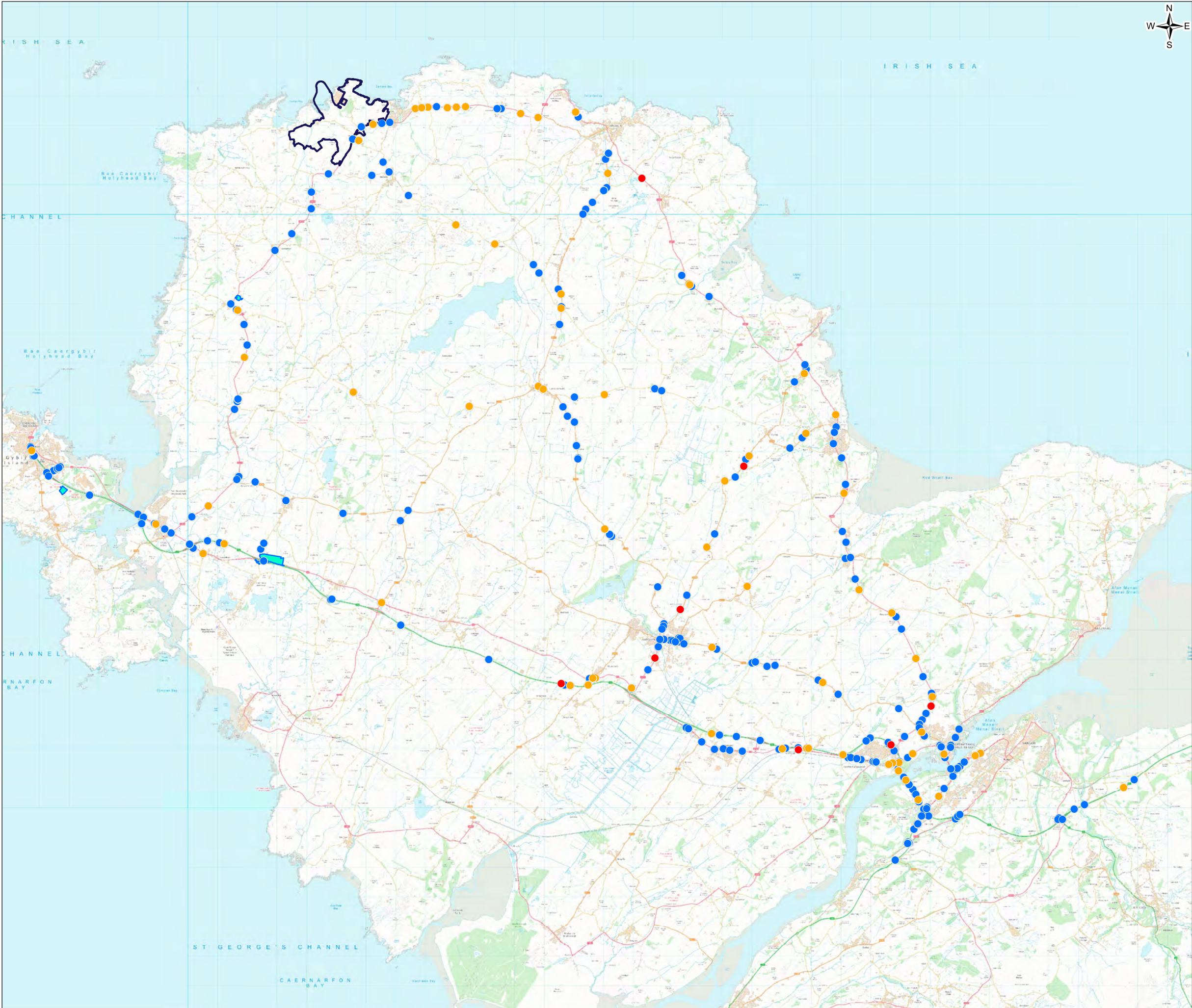



FIGURE C2-1

- Legend
- Wylfa Newydd Development Area
  - Associated Development sites (excluding A5025 Off-line Highway Improvements)
- Accident by severity
- Fatal
  - Serious
  - Slight

Note:  
Department for Transport. 2016. STATS19: Road Safety Data. [Online]. [Accessed: 23 June 2016]. Available from: <https://data.gov.uk/dataset/road-accidents-safety-data>



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			ACCIDENTS			
Scale @ A3		1:125,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.			60PO8077_DCO_VOL_C_02_01			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						





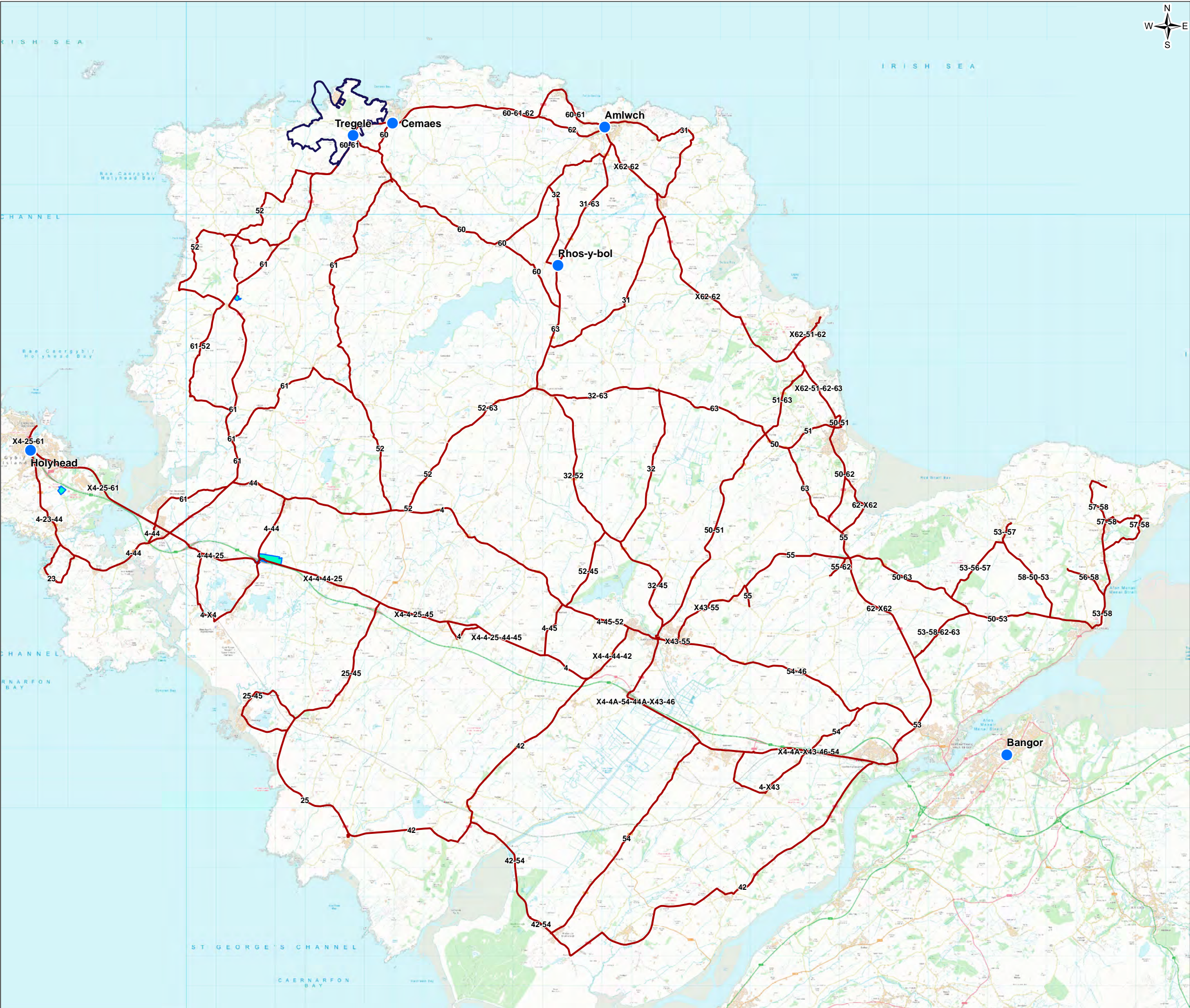


FIGURE C2-2

- Legend
- Wylfa Newydd Development Area
  - Associated Development sites (excluding A5025 Off-line Highway Improvements)
  - Existing bus route
  - Bus stop



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div><div><div>HORIZON</div><div>NUCLEAR POWER</div></div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
EXISTING BUS ROUTES						
Scale @ A3	1:125,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.						
60PO8077_DCO_VOL_C_02_02						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						





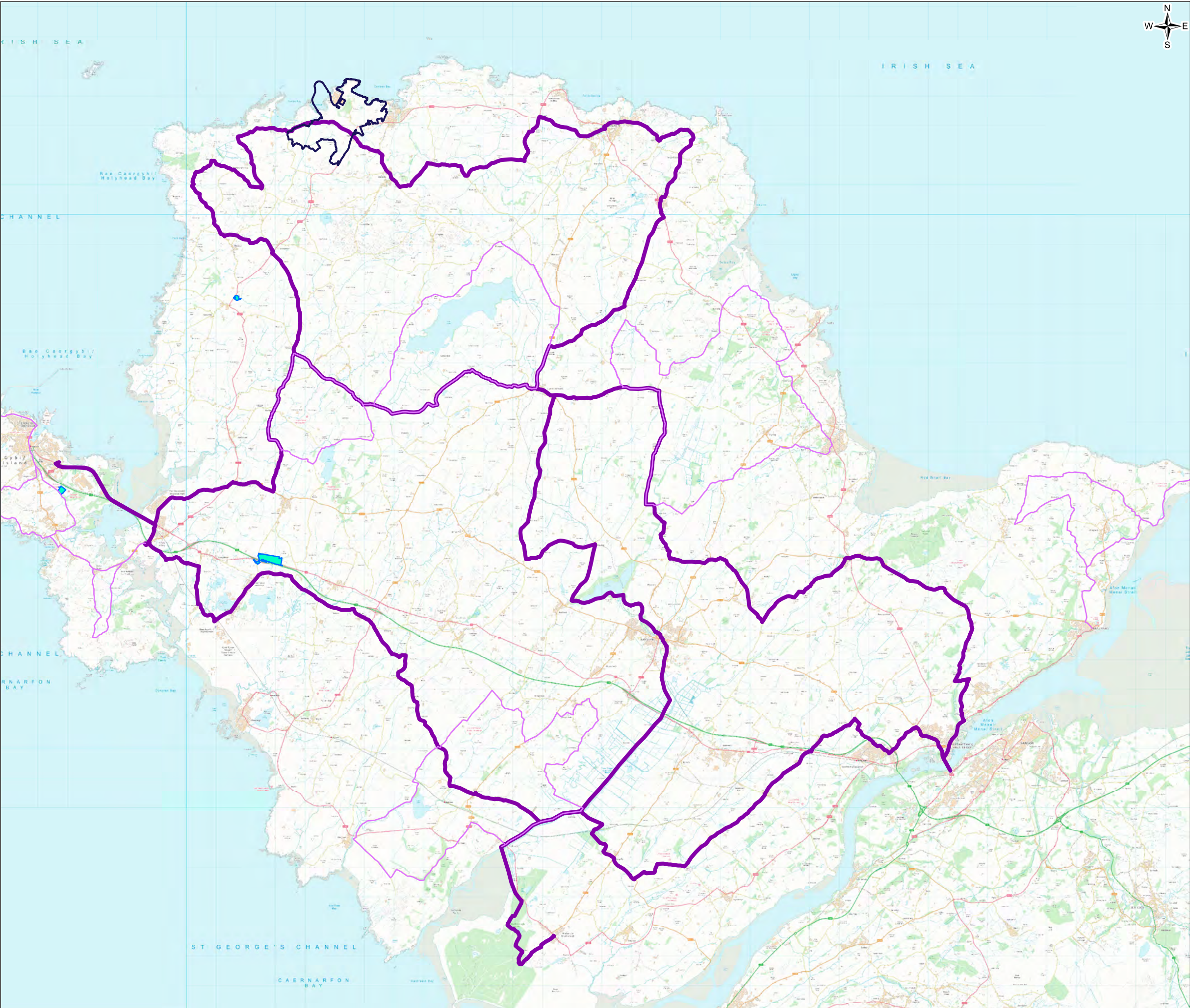


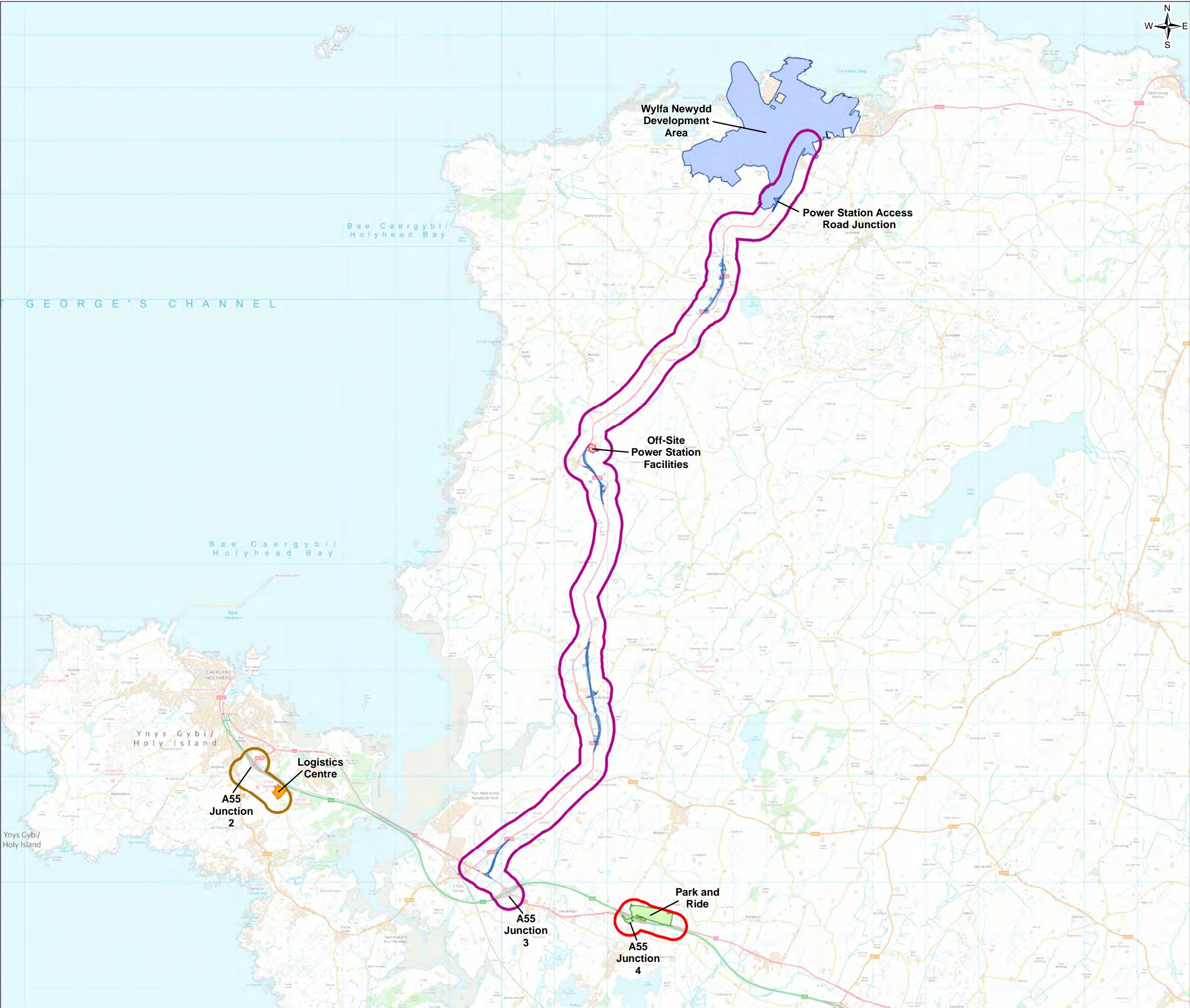
FIGURE C2-3

- Legend
- Wylfa Newydd Development Area
  - Associated Development sites (excluding A5025 Off-line Highway Improvements)
  - National Cycle Network
  - Existing Signed Cycle Network



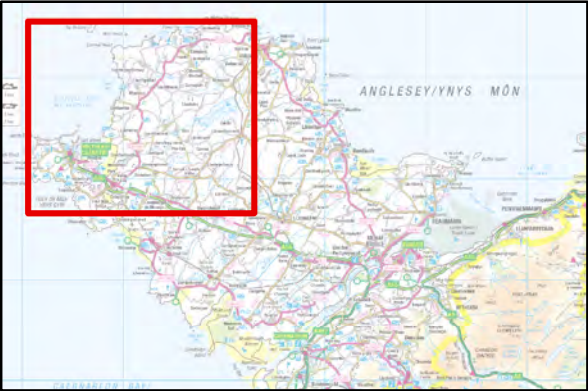
1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			EXISTING CYCLE ROUTES			
Scale @ A3		1:125,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.			60PO8077_DCO_VOL_C_02_03			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						






**FIGURE C3-1**

- Legend**
- A5025 Off-line Highway Improvements
  - Study area for the link between Junction 2 of the A55 and the Logistics Centre
  - Study area for the link between Junction 3 of the A55 and the Off-site Power Station Facilities and the Wylfa Newydd Development Area
  - Study area for the link between Junction 4 of the A55 and the Park and Ride
  - Wylfa Newydd Development Area
  - Off-Site Power Station Facilities
  - Logistics Centre
  - Park and Ride



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PUBLIC ACCESS AND RECREATION STUDY AREA			
Scale @ A3	1:70,000			DO NOT SCALE		
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_03_01					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						





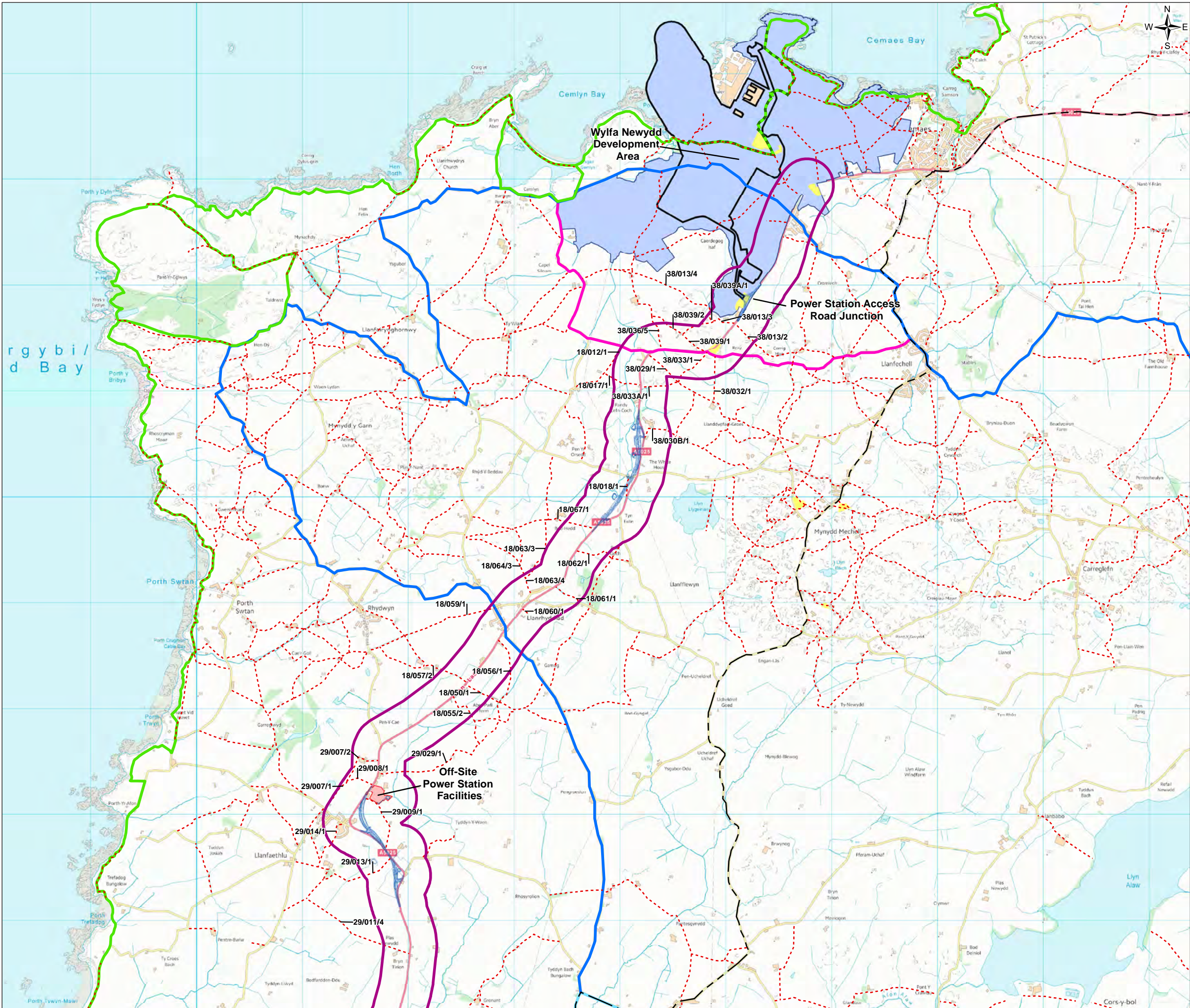
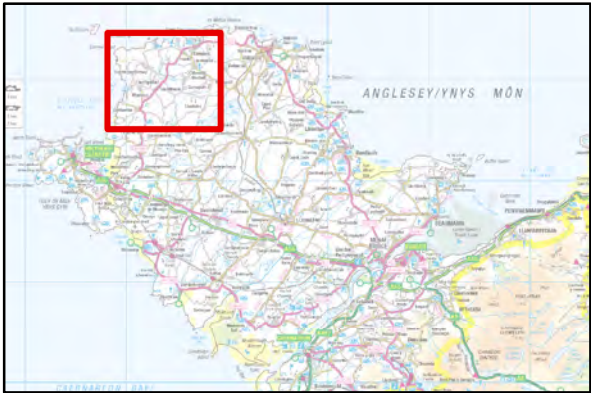

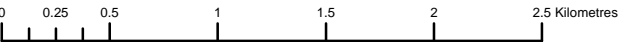


FIGURE C3-2

- Legend
- A5025 Off-line Highway Improvements
  - Study area for the link between Junction 3 of the A55 and the Off-site Power Station Facilities and the Wylfa Newydd Development Area
  - Power Station Site
  - Wylfa Newydd Development Area
  - Off-Site Power Station Facilities
  - Open Access and Common
  - Public Right of Way
  - Section of the Wales Coast Path to be diverted during construction and operation of the Wylfa Newydd Power Station
  - Wales Coast Path
  - National Cycle Network Route 5
  - National Cycle Network Route 566 (Copper Trail)
  - Proposed Copper Trail diversion
  - Tour de Môn route



1.0	MAR 18	DCO submission		HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision		Drawn	Check'd	Rev'd	Appr'd
<div>Client</div> <div></div>							
<div>Project</div> <div>WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT</div>							
<div>Drawing Title</div> <div>PUBLIC ACCESS AND RECREATION FEATURES (NORTHERN AREA)</div>							
Scale @ A3		1:35,000			DO NOT SCALE		
Jacobs No.		60PO8077					
Client No.							
<div>Drawing No.</div> <div>60PO8077_DCO_VOL_C_03_02</div>							





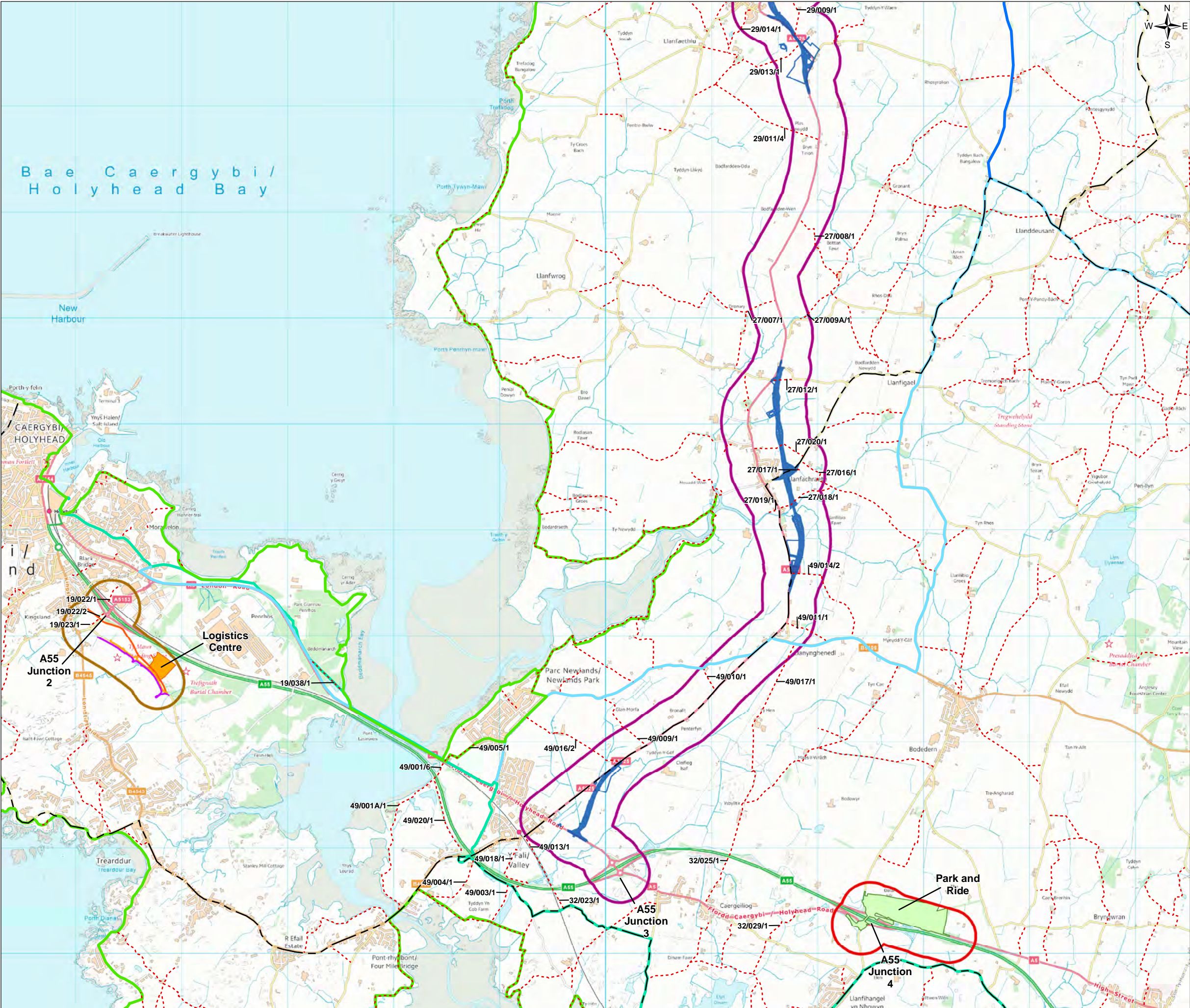
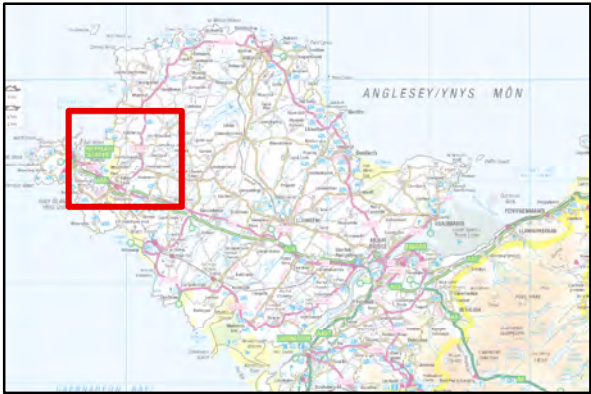


FIGURE C3-3

- Legend
- A5025 Off-line Highway Improvements
  - Study area for the link between Junction 2 of the A55 and the Logistics Centre
  - Study area for the link between Junction 3 of the A55 and the Off-site Power Station Facilities and the Wylfa Newydd Development Area
  - Study area for the link between Junction 4 of the A55 and the Park and Ride
  - Logistics Centre
  - Park and Ride
  - Public Right of Way
  - Wales Coast Path
  - National Cycle Network Route 5
  - National Cycle Network Route 8
  - National Cycle Network Route 566 (Copper Trail)
  - Footway
  - Lon Trefignath cycle path
  - Shared cycleway/footway on spine road
  - Tour de Môn route




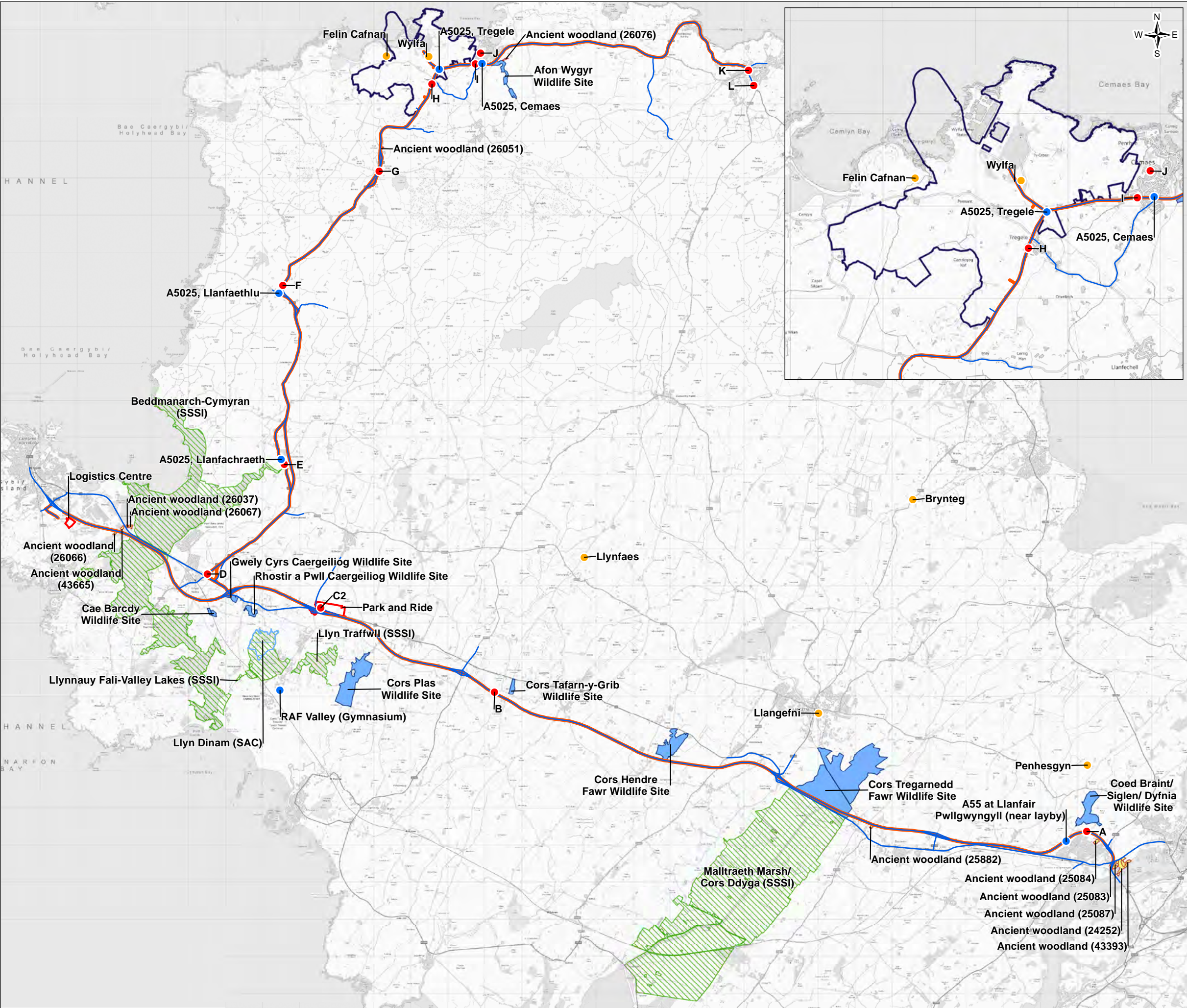
1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PUBLIC ACCESS AND RECREATION FEATURES (SOUTHERN AREA)			
Scale @ A3	1:35,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_VOL_C_03_03			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

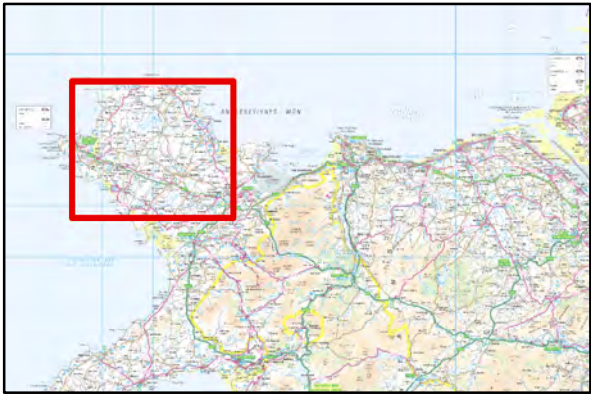


FIGURE C4-1



- Legend
- Wylfa Newydd Development Area
  - Logistics Centre and Park and Ride
  - IACC NO<sub>2</sub> measurement Location
  - IACC NO<sub>2</sub> supplementary diffusion tube survey location
  - IACC PM<sub>10</sub> and PM<sub>2.5</sub> monitoring location
  - Affected road network
  - Modelled road links - Isle of Anglesey
  - Ancient Woodland within 200m of affected roads
  - Site of Special Scientific Interest within 200m of affected roads (SSSI)
  - Wildlife Site within 200m of affected roads
  - Special Area of Conservation within 200m of affected roads (SAC)

Note:  
IACC - Isle of Anglesey County Council




1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title						
ISLE OF ANGLESEY ROAD TRAFFIC EMISSIONS STUDY AREA, MONITORING AND ECOLOGICAL RECEPTOR LOCATIONS						
Scale @ A3	1:100,000				DO NOT SCALE	
Jacobs No.	60PO8077					
Client No.						
Drawing No.						
60PO8077_DCO_VOL_C_04_01						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						

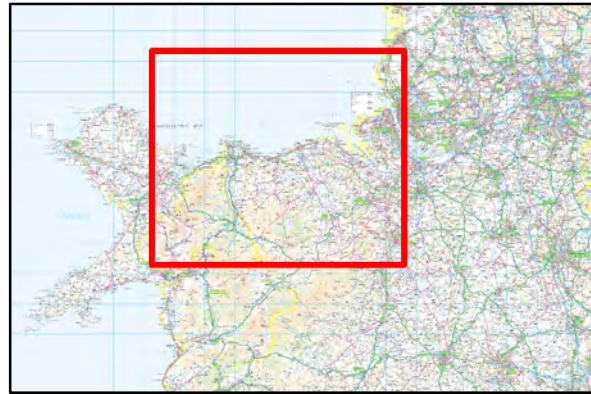
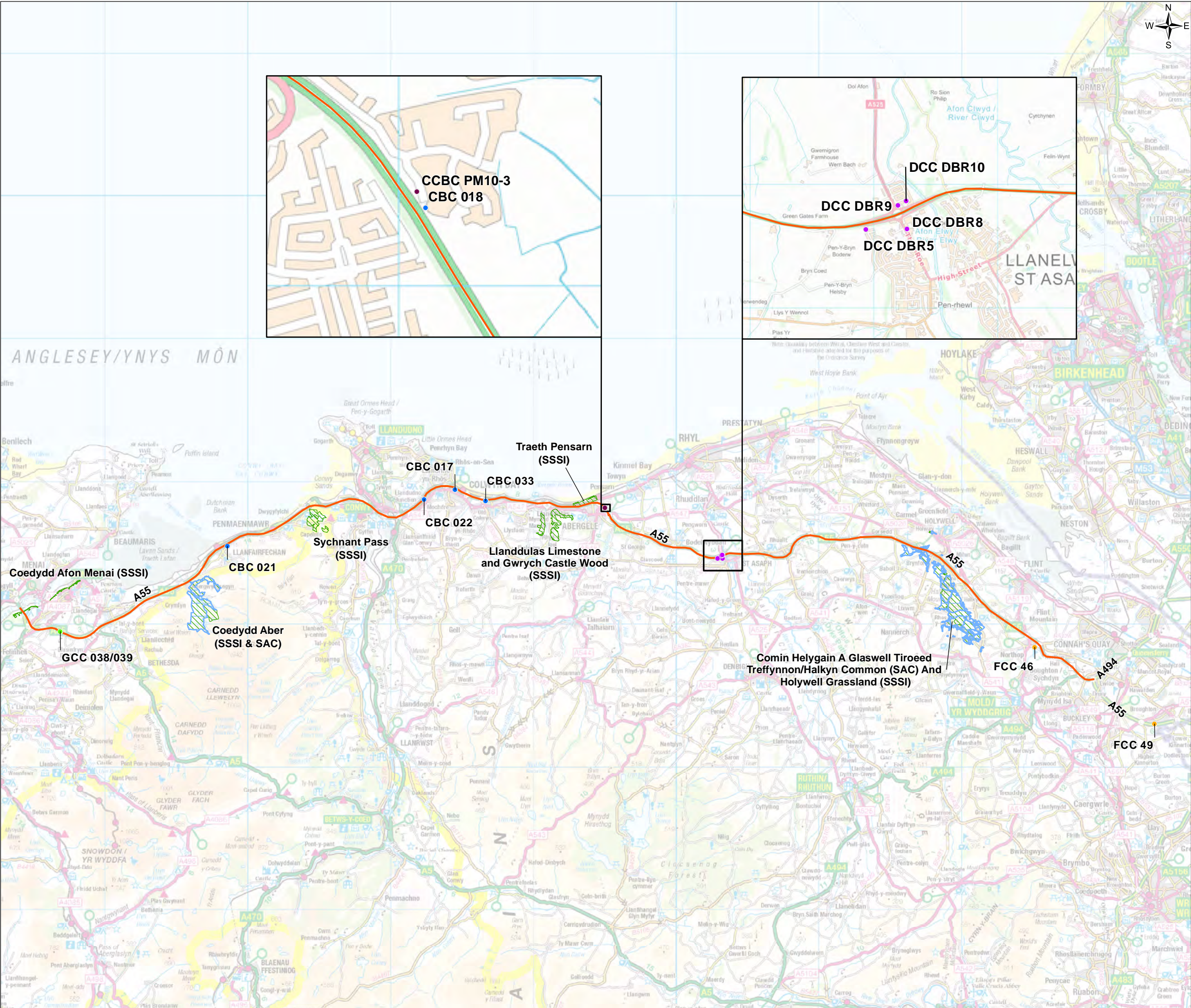




FIGURE C4-2

- Legend
- Affected road network – mainland Wales
  - Special Area of Conservation within 200m of affected roads (SAC)
  - Site of Special Scientific Interest within 200m of affected roads (SSSI)
  - CCBC NO<sub>2</sub> measurement location
  - DCC NO<sub>2</sub> measurement location
  - FCC NO<sub>2</sub> measurement location
  - GC NO<sub>2</sub> measurement location
  - CCBC PM<sub>10</sub> monitoring location

Note:  
CCBC = Conwy County Borough Council  
DCC = Denbighshire County Council  
FCC = Flintshire County Council  
GC = Gwynedd Council



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Client

**HORIZON**  
NUCLEAR POWER

Project

WYLF A NEWYDD PROJECT  
ENVIRONMENTAL STATEMENT

Drawing Title

MAINLAND WALES ROAD TRAFFIC EMISSIONS STUDY  
AREA, MONITORING AND ECOLOGICAL RECEPTOR LOCATIONS

Scale @ A3	1:260,000	DO NOT SCALE
Jacobs No.	60PO8077	
Client No.		

Drawing No.

60PO8077\_DCO\_VOL\_C\_04\_02

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



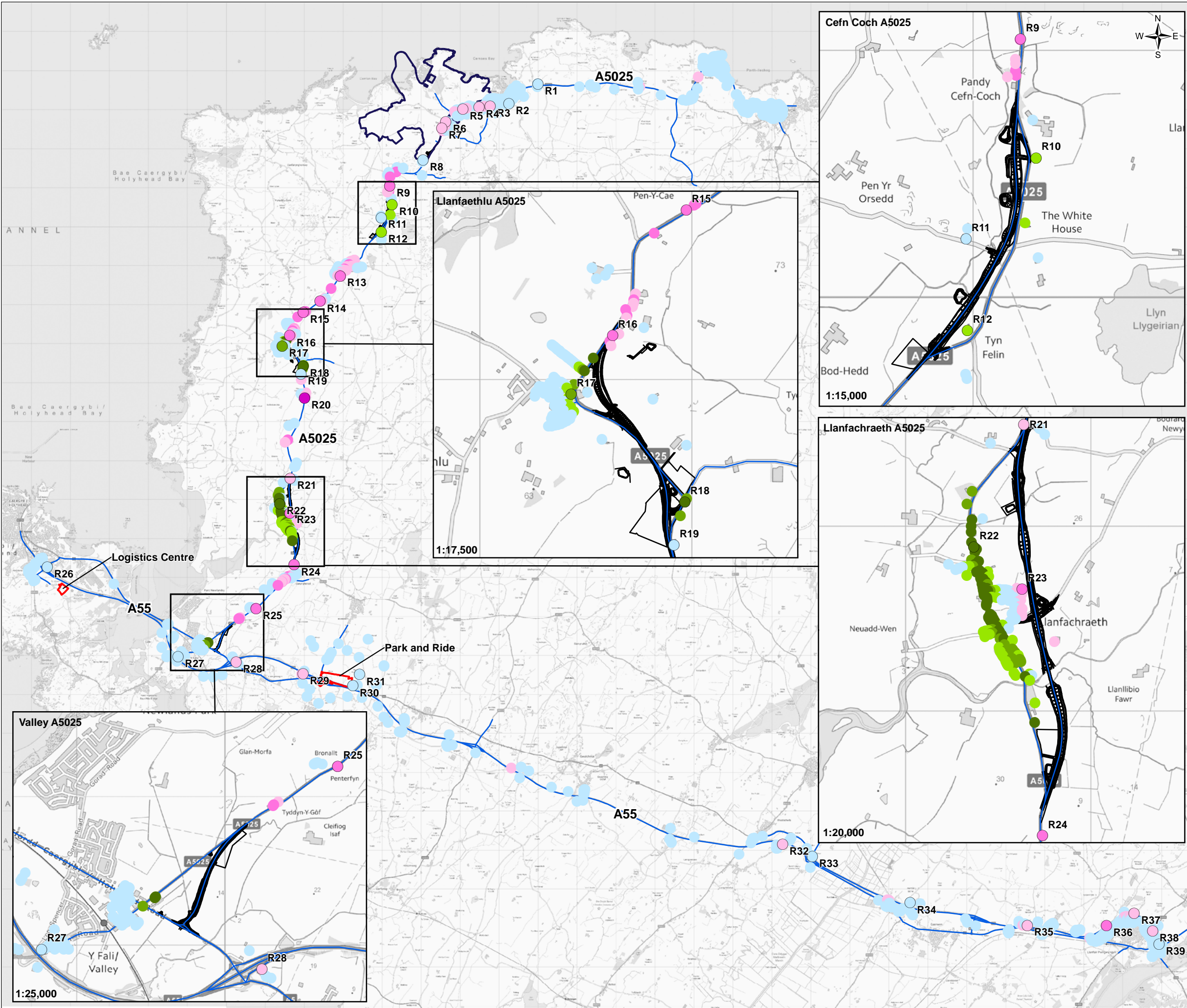


FIGURE C4-3

Legend

- Wylfa Newydd Development Area
- Logistics Centre and Park and Ride
- A5025 Off-line Highway Improvements
- Modelled road links - Isle of Anglesey
- Key receptors

Change in annual mean NO<sub>2</sub> concentration (µg/m<sup>3</sup>)

- < -10
- < -4 to -10
- < -2 to -4
- < -1 to -2
- < -0.4 to -1
- 0.4 to +0.4
- > +0.4 to +1
- > +1 to +2
- > +2 to +4
- > +4 to +10
- > +10

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client		<div></div>				
Project		WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT				
Drawing Title		PREDICTED CHANGE IN ANNUAL MEAN NO <sub>2</sub> CONCENTRATIONS AT HUMAN RECEPTORS - OPENING YEAR OF THE A5025 OFF-LINE HIGHWAY IMPROVEMENTS (2020)				
Scale @ A3	1:95,000	DO NOT SCALE				
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_04_03					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



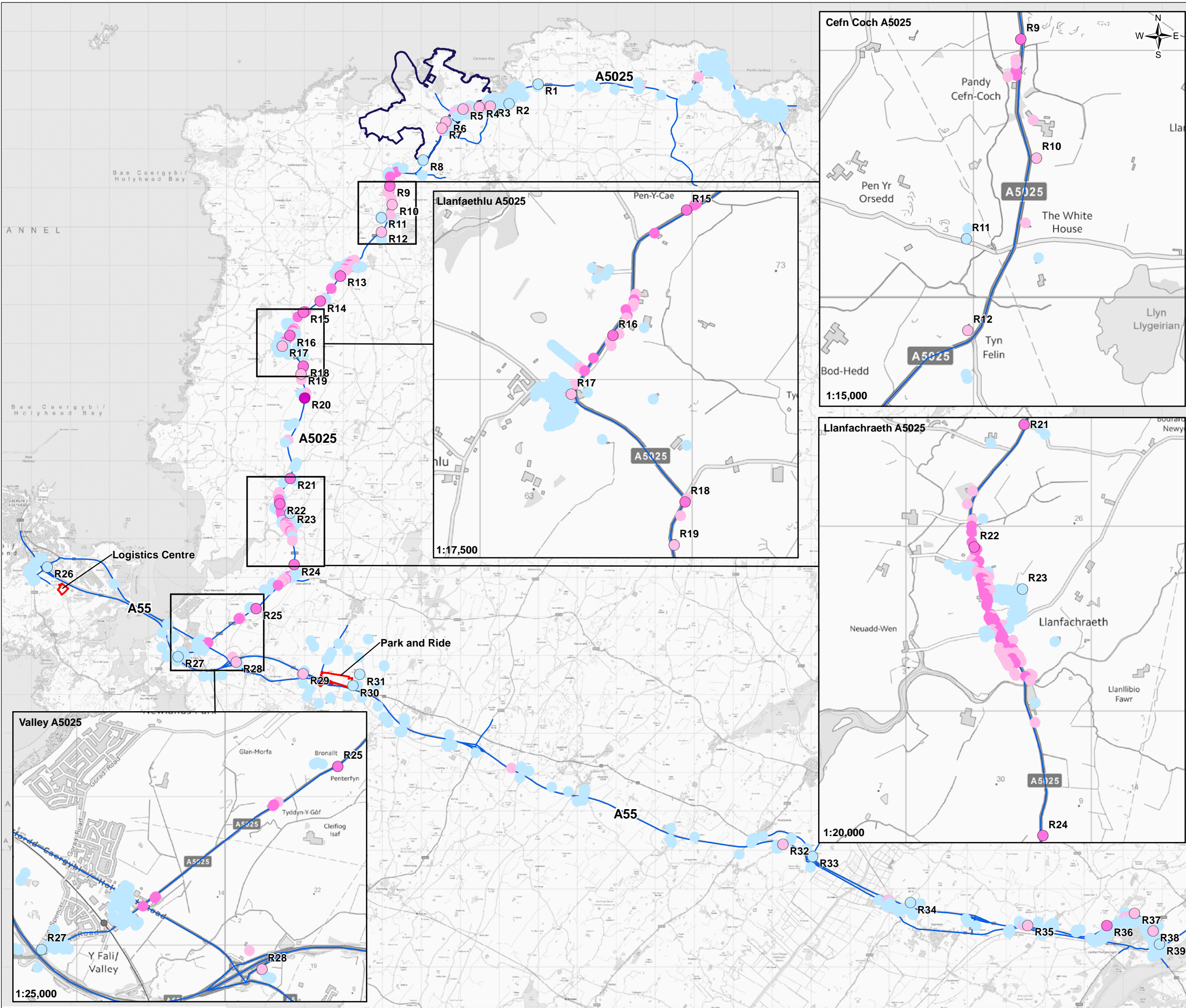


FIGURE C4-4

Legend

- Wylfa Newydd Development Area
- Logistics Centre and Park and Ride
- Modelled road links - Isle of Anglesey
- Key receptors

Change in annual mean NO<sub>2</sub> concentration (µg/m<sup>3</sup>)

- < -10
- < -4 to -10
- < -2 to -4
- < -1 to -2
- < -0.4 to -1
- 0.4 to +0.4
- > +0.4 to +1
- > +1 to +2
- > +2 to +4
- > +4 to +10
- > +10



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			PREDICTED CHANGE IN ANNUAL MEAN NO <sub>2</sub> CONCENTRATIONS AT HUMAN RECEPTORS - OPENING YEAR OF THE A5025 OFF-LINE HIGHWAY IMPROVEMENTS, WITHOUT BYPASS (2020)			
Scale @ A3	1:95,000			DO NOT SCALE		
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_VOL_C_04_04			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



FIGURE C4-5

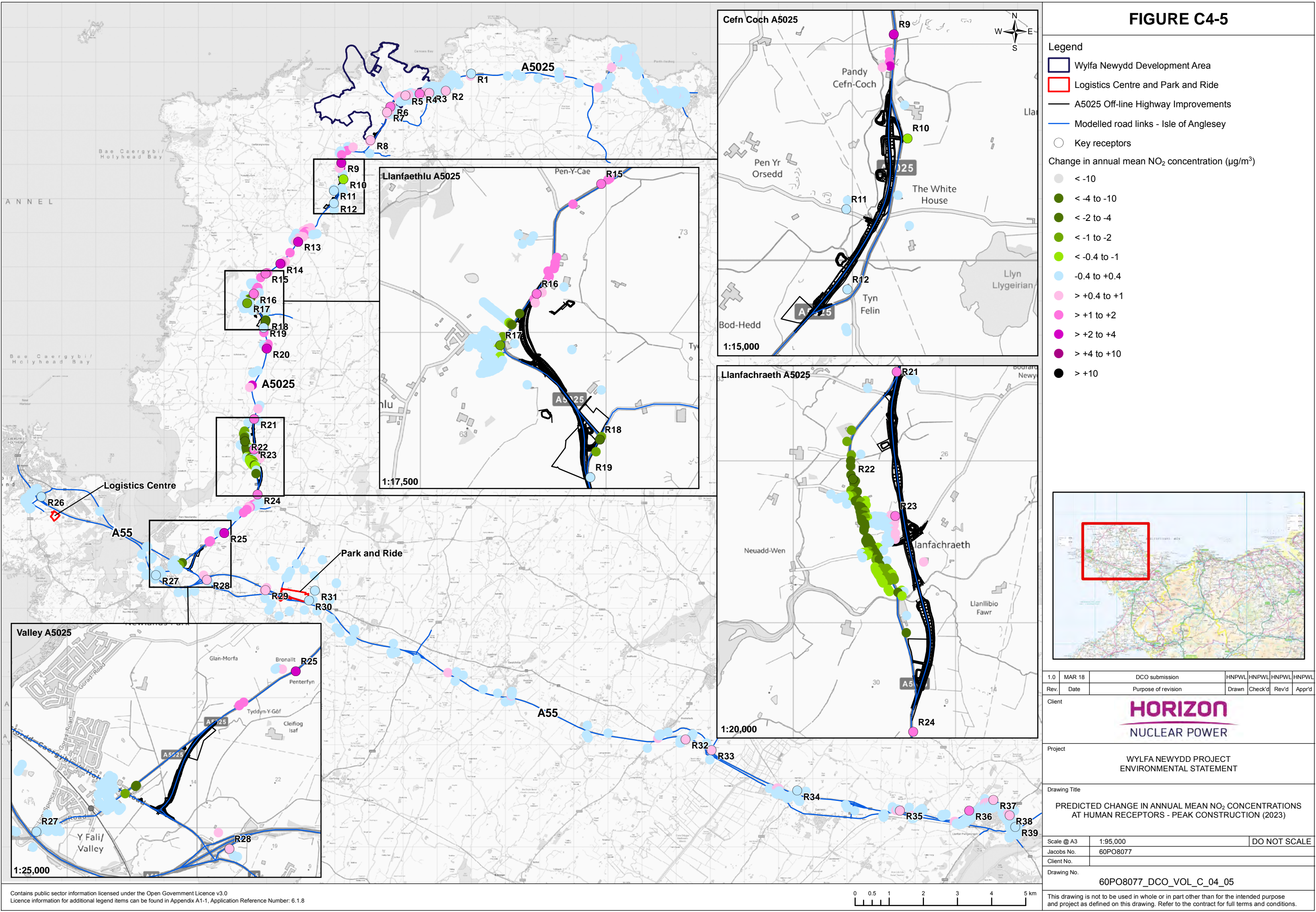




FIGURE C4-6

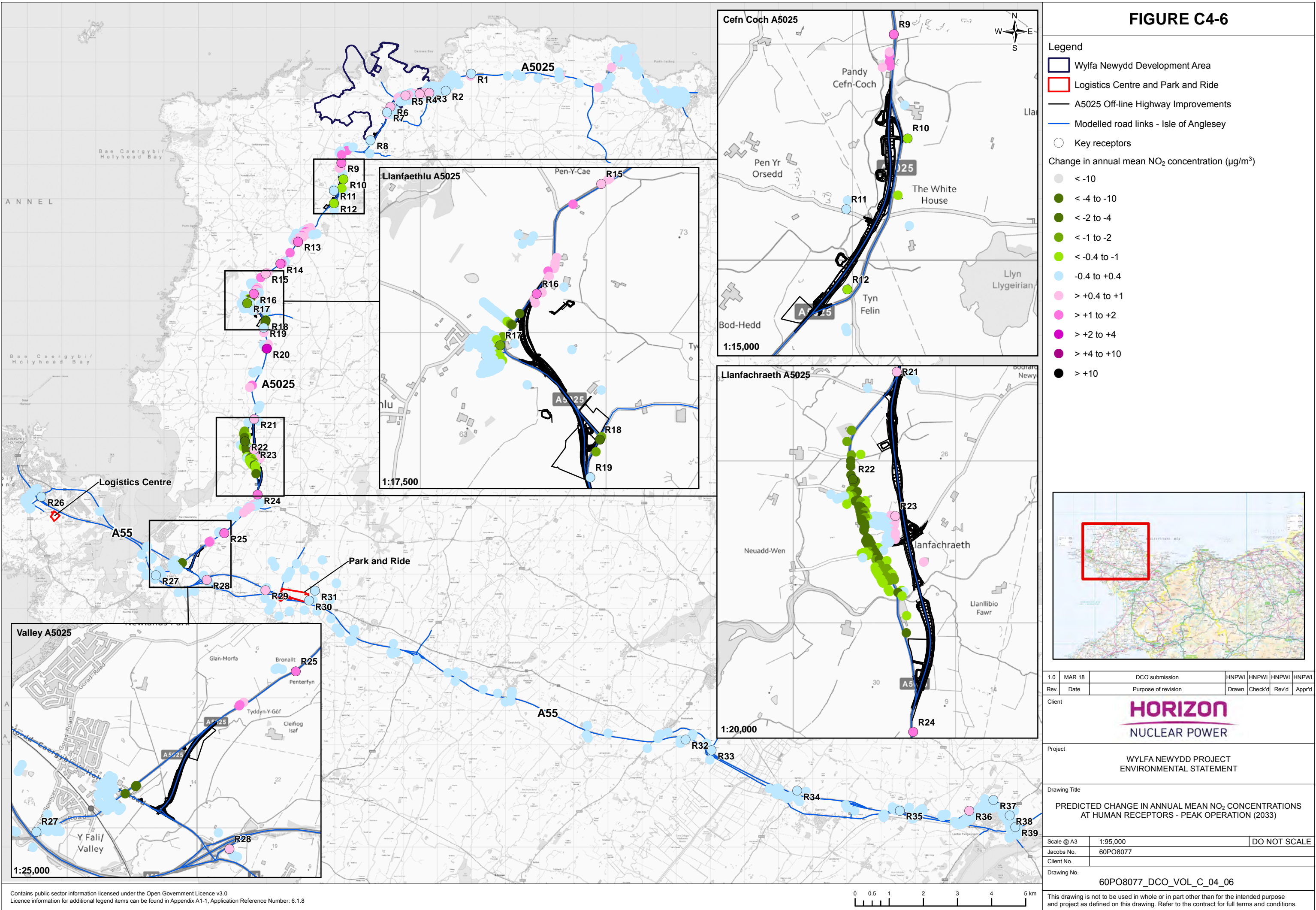






FIGURE C4-7

- Legend
- Beddmanarch Cymyran Site of Special Scientific Interest (SSSI)
  - NOx concentration increase greater than 1% of the critical level and greater than 70% of the predicted environmental concentration (PEC)



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div><div><div>HORIZON</div><div>NUCLEAR POWER</div></div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
2020 OPENING YEAR OF THE A5025 OFFLINE HIGHWAY IMPROVEMENTS, WITH BYPASSES AIR QUALITY EFFECTS IN RELATION TO BEDDMANARCH CYMYRAN SSSI						
Scale @ A3		1:35,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.						
60PO8077_DCO_VOL_C_04_07						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



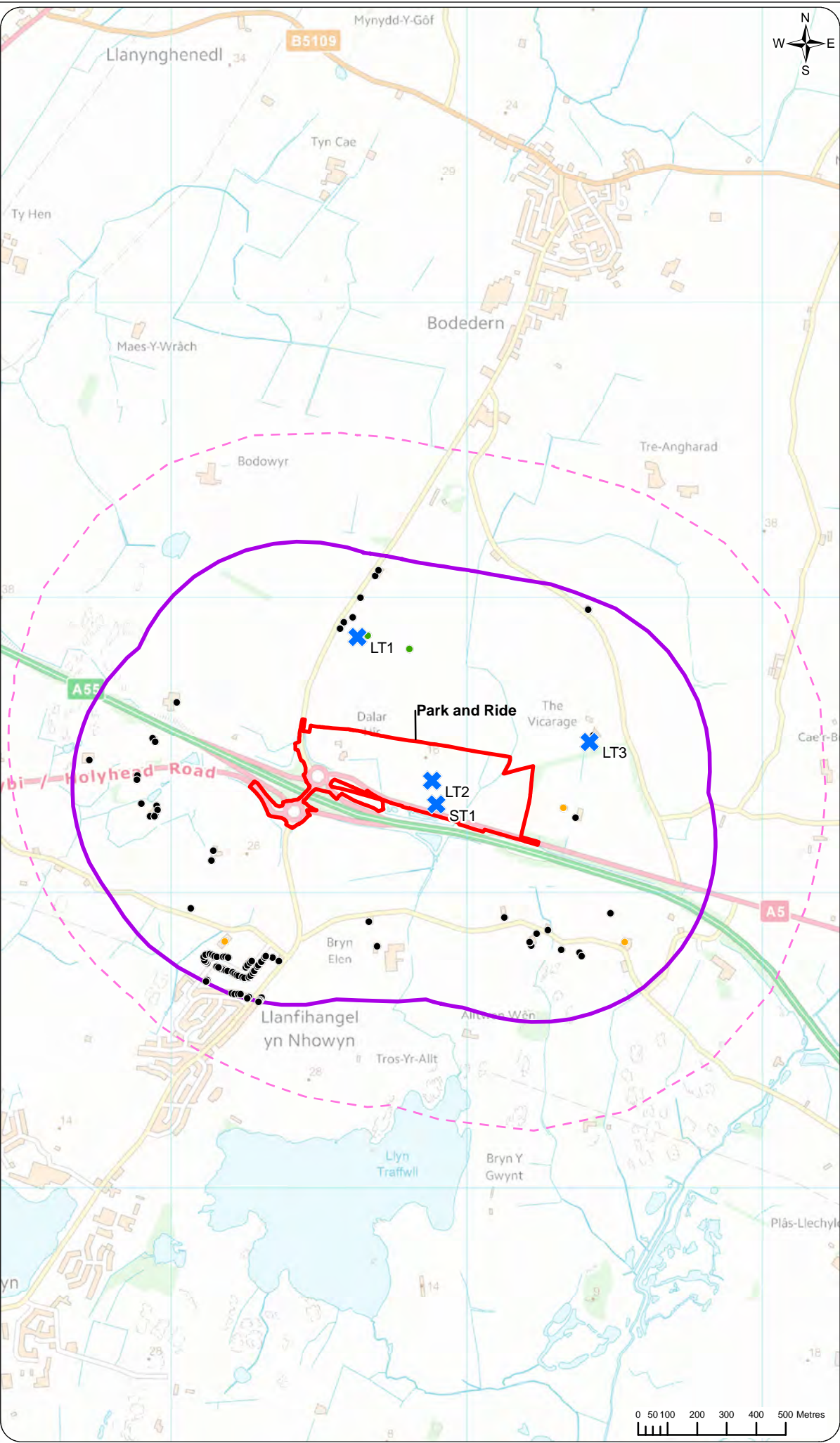
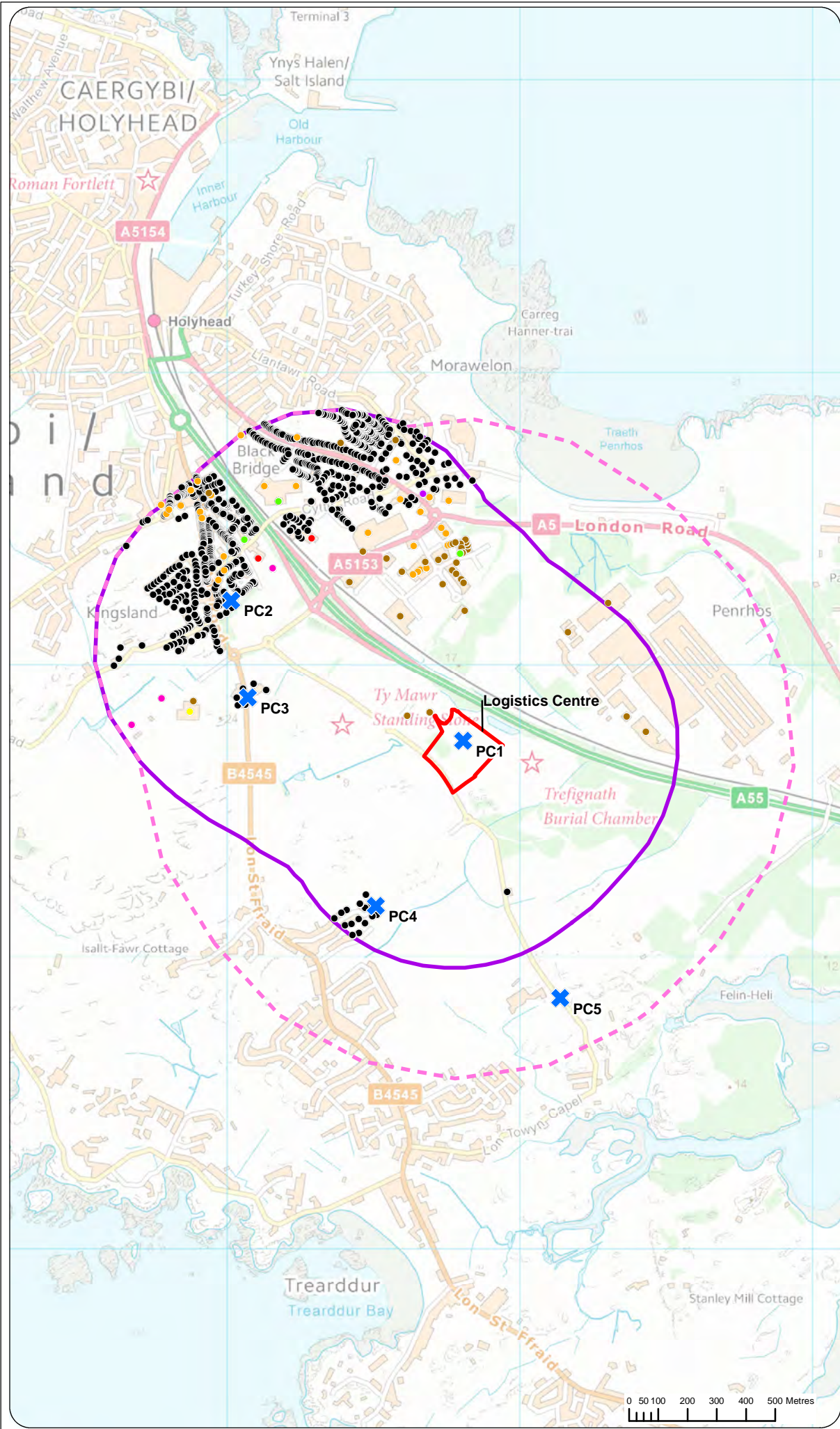


FIGURE C5-1

Legend

- Logistics Centre and Park and Ride
- Study area
- Calculation area
- Baseline monitoring locations

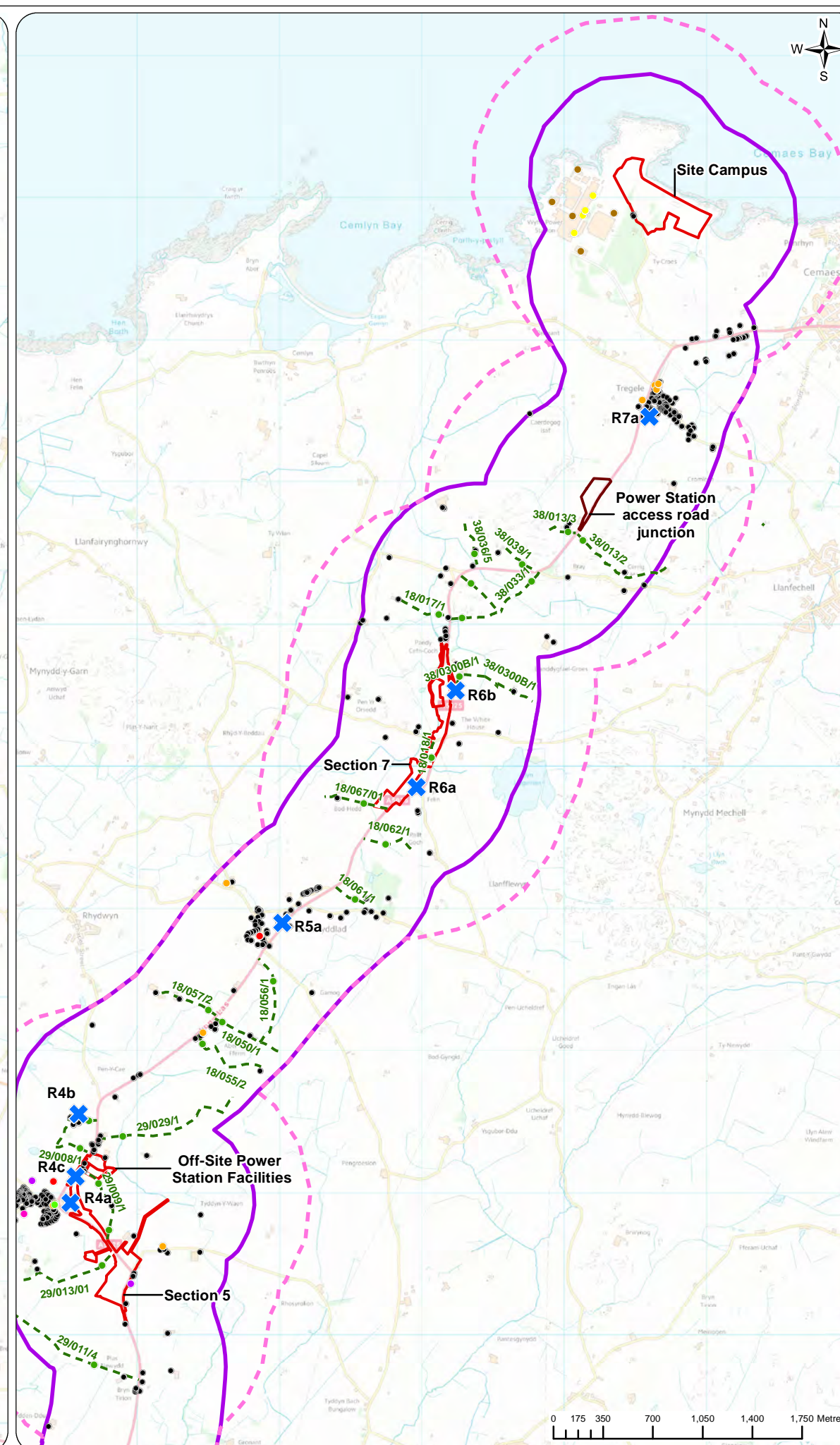
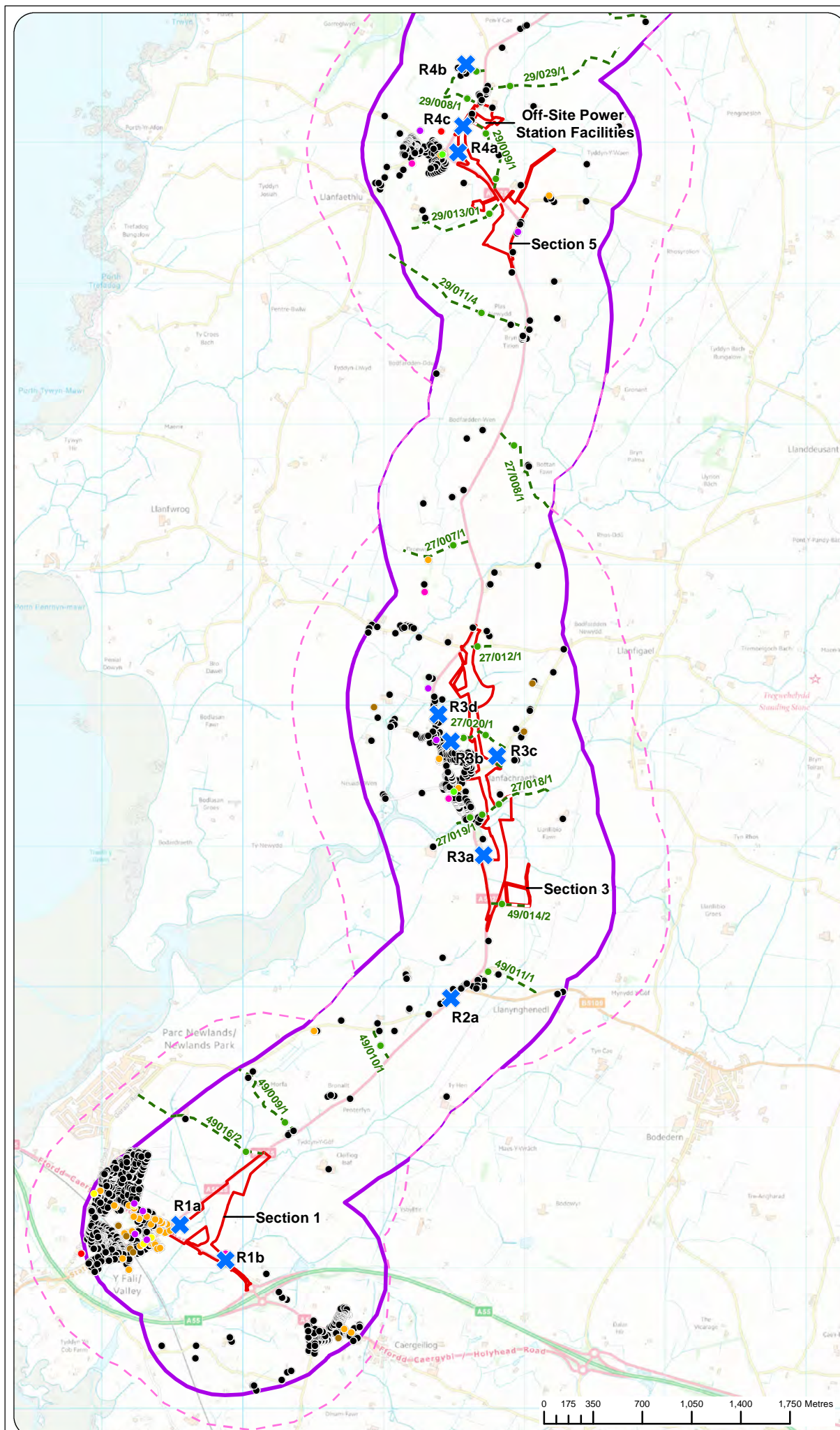
Noise receptor type

- Office
- Commercial
- Community
- Industrial
- Outdoor amenity
- Place of worship
- Residential
- School
- Public Right of Way

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<b>HORIZON</b> NUCLEAR POWER						
Project						
WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
CALCULATION AND STUDY AREAS FOR THE LOGISTICS CENTRE AND PARK AND RIDE						
Scale @ A3	1:18,000					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_05_01					


This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

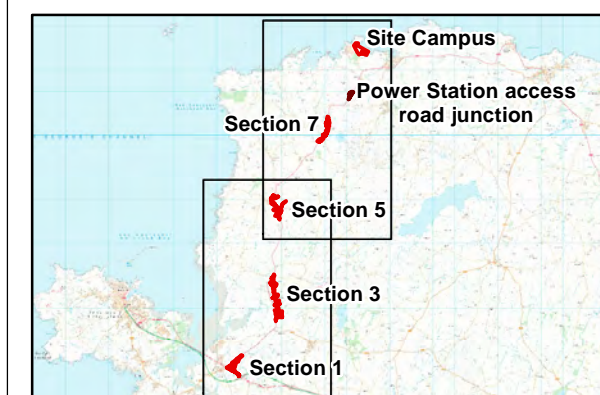




**FIGURE C5-2**

### Legend

-  Site Campus and A5025 Off-line Highway Improvements and Off-Site Power Station Facilities
  -  Work package 1J
  -  Study area
  -  Calculation area
  -  Baseline monitoring locations
  -  Public Rights of Way
- Noise receptor type
-  Office
  -  Commercial
  -  Community
  -  Industrial
  -  Outdoor amenity
  -  Place of worship
  -  Residential
  -  School
  -  Public Right of Way



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'r
Client						

Client	
--------	--

**HORIZON**  
NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT  
ENVIRONMENTAL STATEMENT

	Drawing Title
--	---------------

## CALCULATION AND STUDY AREAS FOR A5025 OFF-LINE HIGHWAY IMPROVEMENTS AND THE SITE CAMPUS

Scale @ A3	1:37.500	DO NOT SCALE
------------	----------	--------------

Scale © AS
Jacobs No.

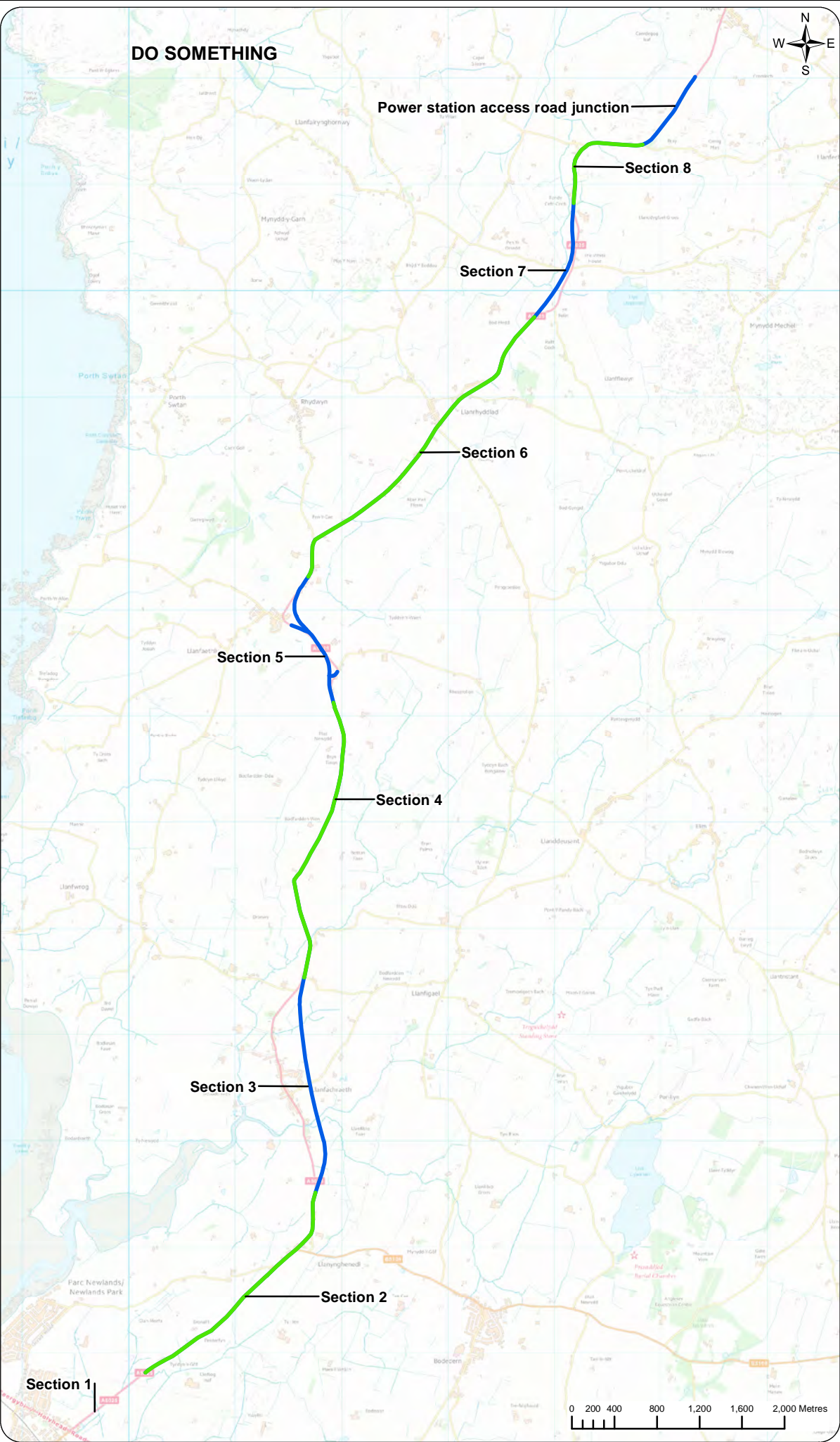
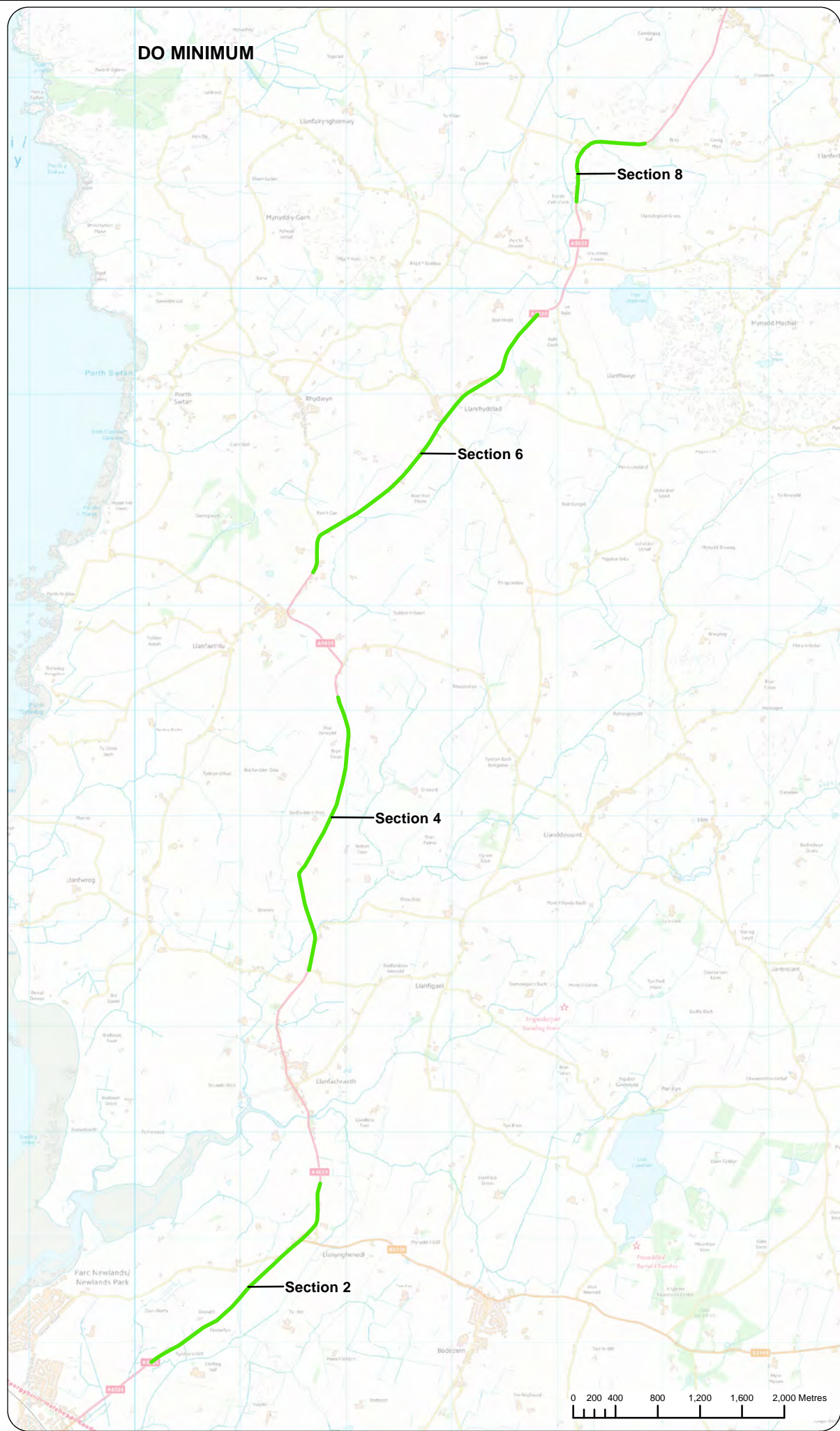
JACOBS NO.	
CLIENT NO.	

Drawing No.

60PO8077 DCO VOL C 05 02

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.






**FIGURE C5-3**

- Legend
- LNRS prior to A5025 improvements
  - LNRS subsequent to A5025 improvements



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
						
Project						
WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
AREAS OF LOW NOISE ROAD SURFACE (LNRS) PRIOR TO THE A5025 IMPROVEMENTS (LEFT PANE) AND SUBSEQUENT TO COMPLETION (RIGHT PANE)						
Scale @ A3		1:50,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_VOL_C_05_03				







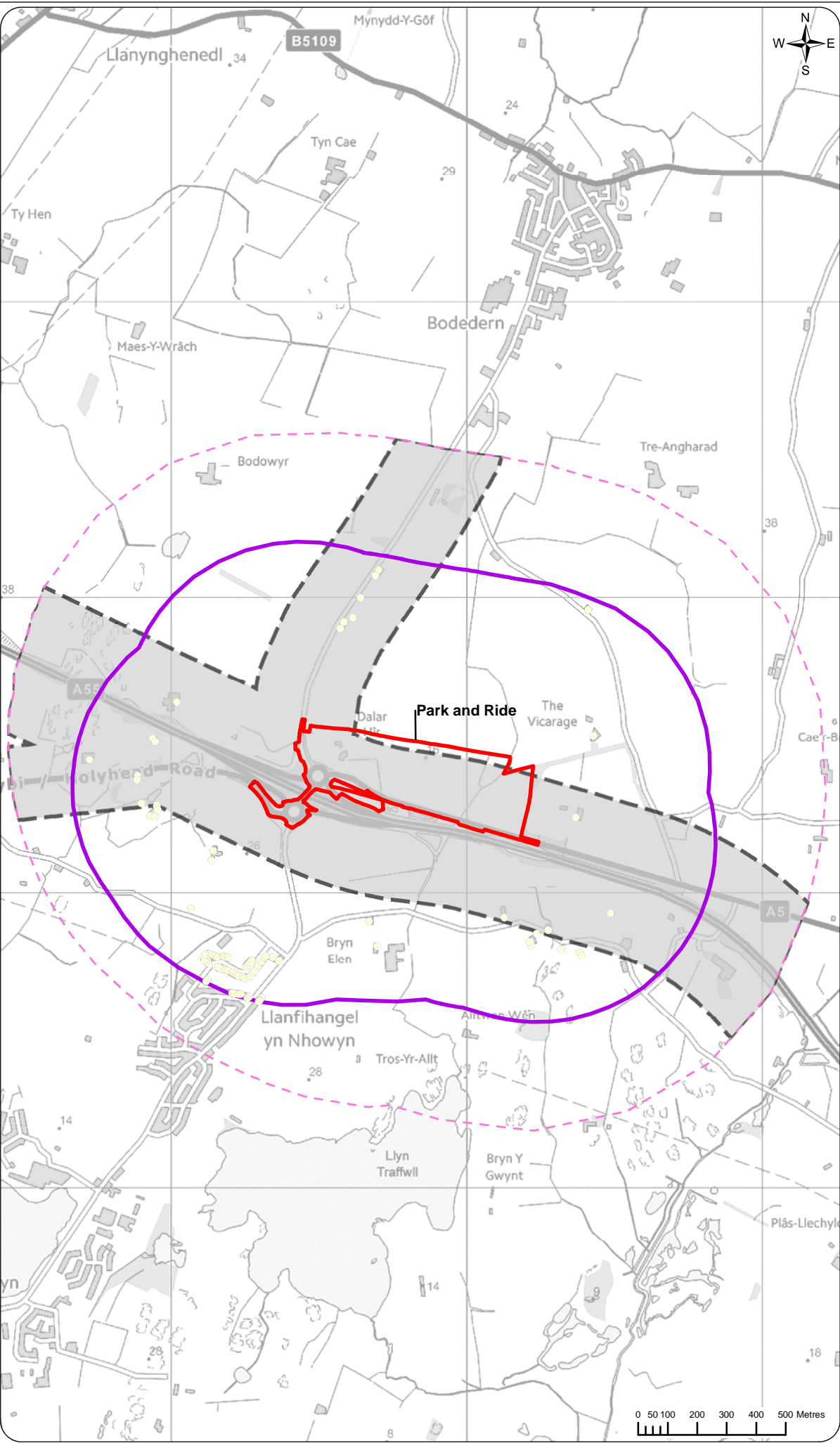
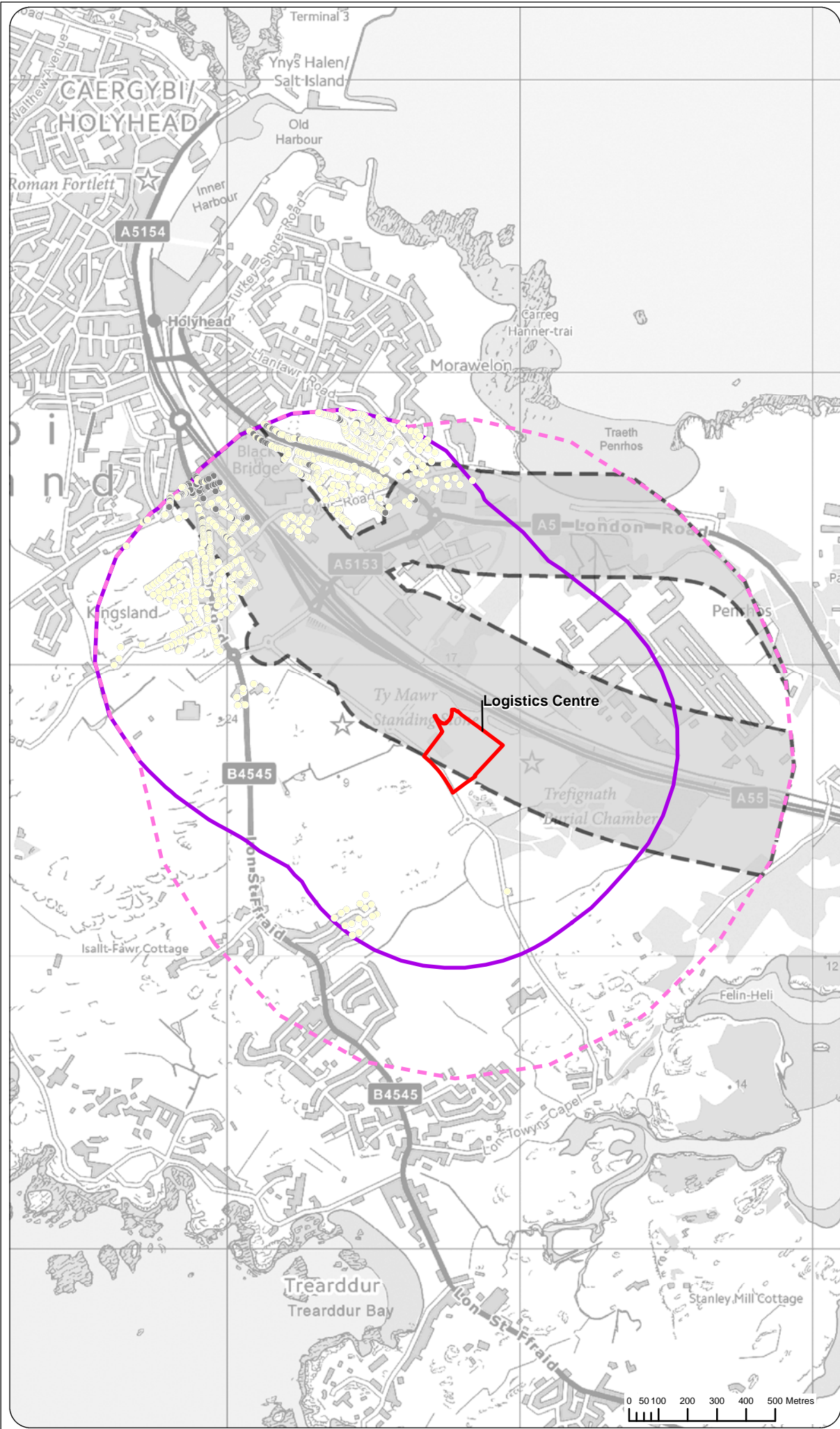
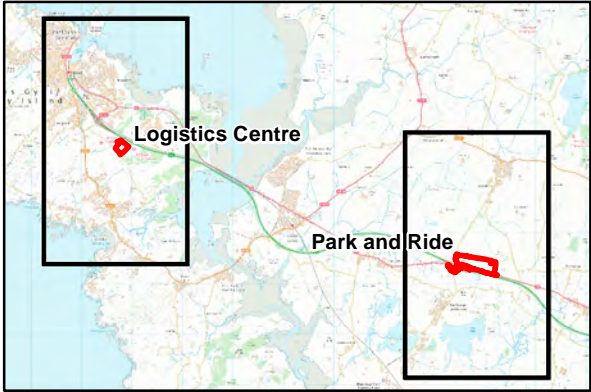


FIGURE C5-5

- Legend
- Logistics Centre and Park and Ride
  - Study area
  - Calculation area
  - Estimated 60 dB LAmax Buffer
- Noise change  $\text{dB L}_{\text{Aeq},8\text{hr}}$
- Large decrease in noise level
  - Medium decrease in noise level
  - Small decrease in noise level
  - Negligible decrease in noise level
  - No change
  - Negligible increase in noise level
  - Small increase in noise level
  - Medium increase in noise level
  - Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<b>HORIZON</b> NUCLEAR POWER			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			NIGHT-TIME DO-MINIMUM 2020 VS. DO-SOMETHING 2020 (WITHOUT IMPROVEMENTS COMPLETED AND OPERATIONAL) LOGISTICS CENTRE AND PARK AND RIDE			
Scale @ A3		1:18,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_VOL_C_05_05				



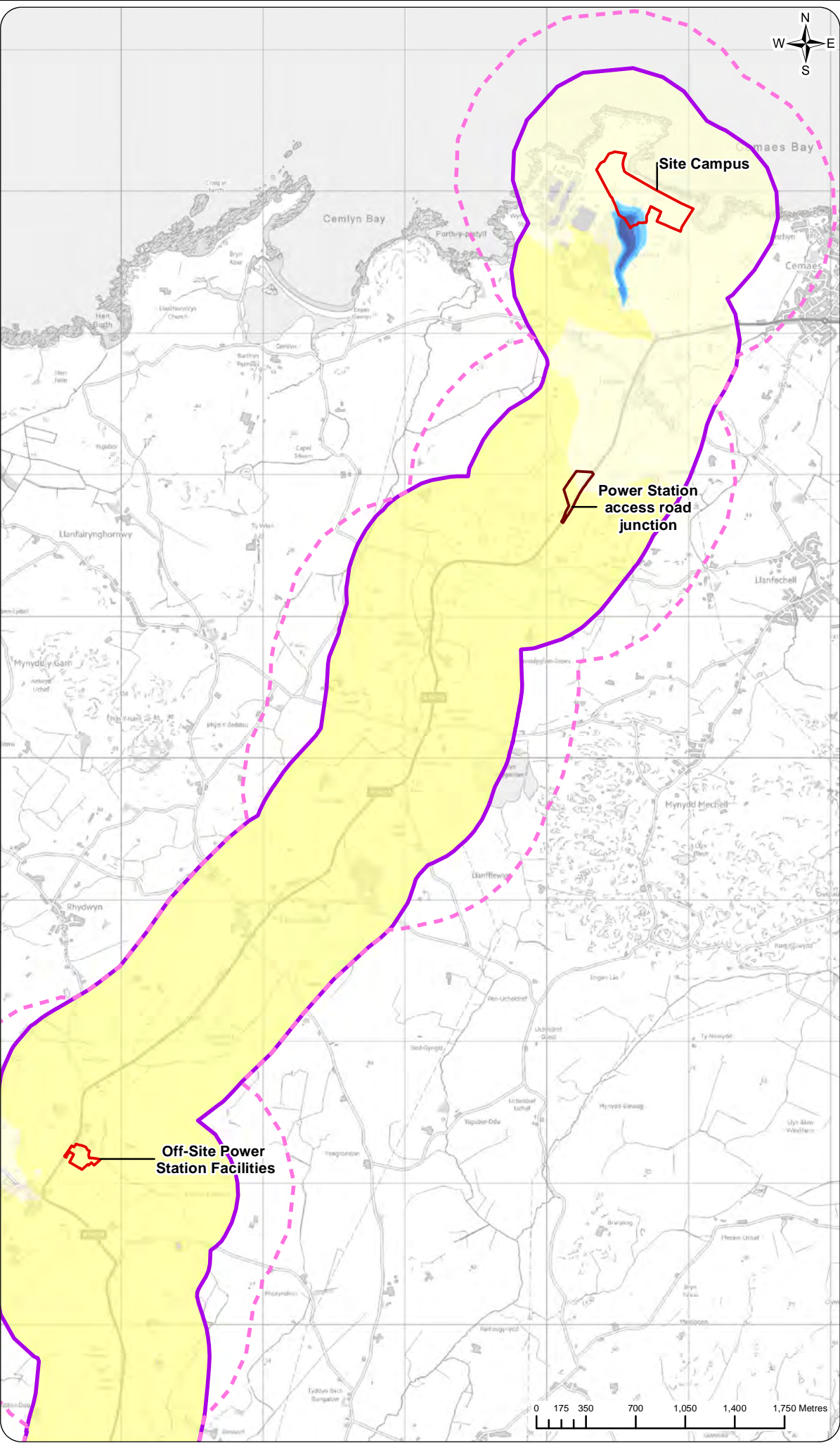
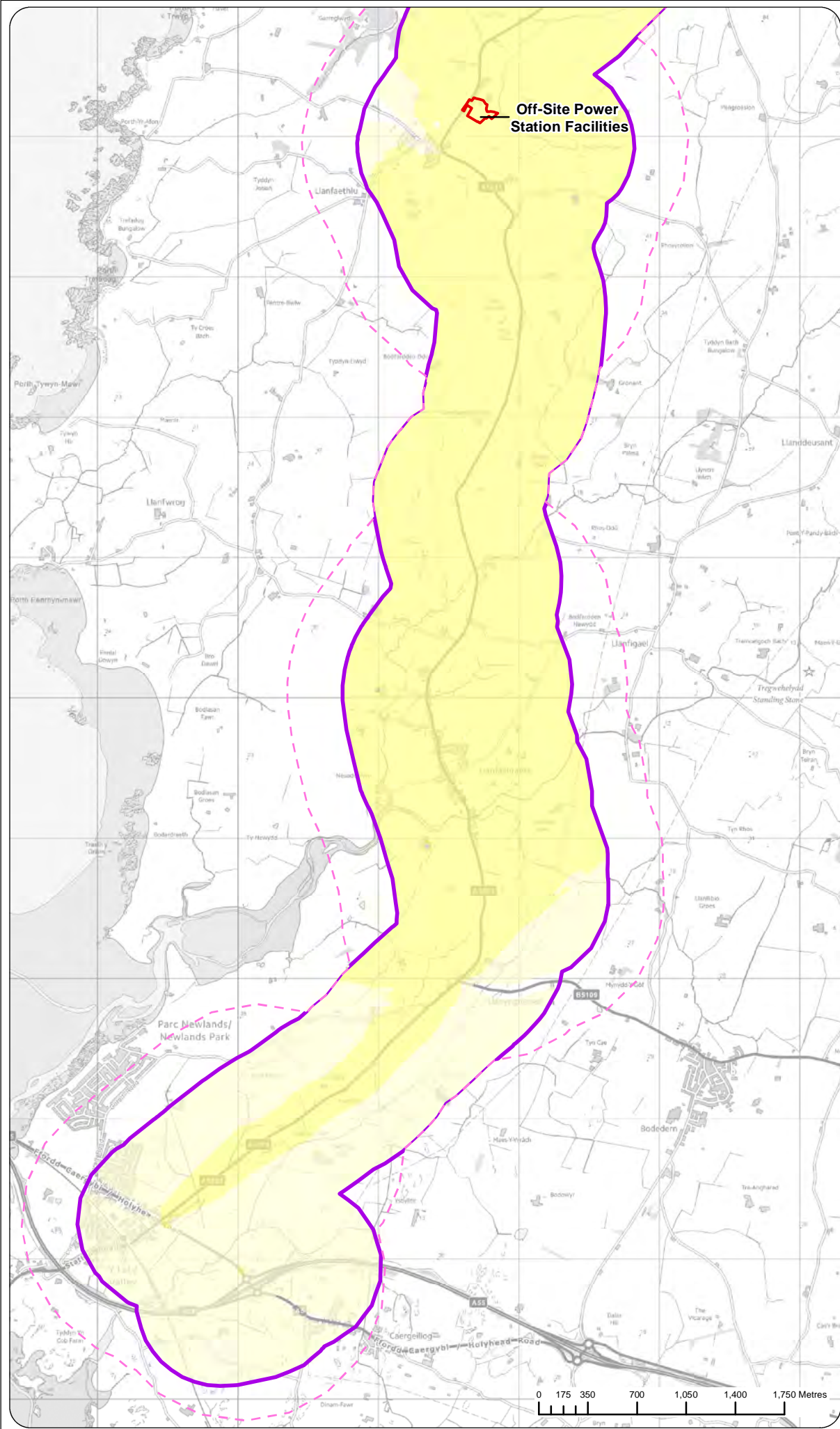


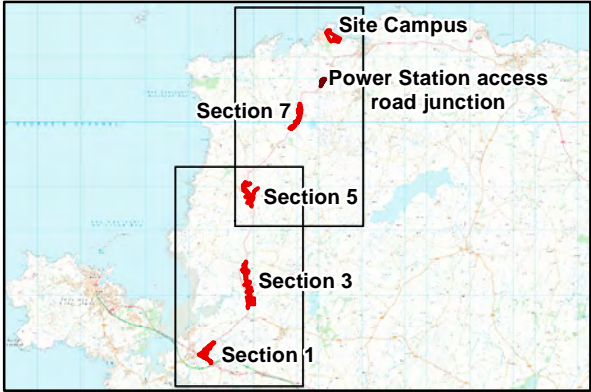
FIGURE C5-6

Legend

- Off-Site Power Station Facilities & Site Campus
- Work package 1J
- Study area
- Calculation area

Noise change dB  $L_{A10,18hr}$

- $\leq -5.0$  Large decrease in noise level
- 4.9 to -3.0 Medium decrease in noise level
- 2.9 to -1.0 Small decrease in noise level
- 0.9 to -0.1 Negligible decrease in noise level
- 0.0 No change
- 0.1 to 0.9 Negligible increase in noise level
- 1.0 to 2.9 Small increase in noise level
- 3.0 to 4.9 Medium increase in noise level
- $\geq 5.0$  Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div><div>HORIZON</div><div>NUCLEAR POWER</div></div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DAYTIME DO-MINIMUM 2020 VS. DO-SOMETHING 2020 (OPENING YEAR OF A5025 IMPROVEMENTS, PRIOR TO IMPROVEMENTS BEING COMPLETED / OPERATIONAL) FOR A5025 OFF-LINE HIGHWAY IMPROVEMENTS AND THE SITE CAMPUS			
Scale @ A3		1:37,500	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.			60PO8077_DCO_VOL_C_05_06			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



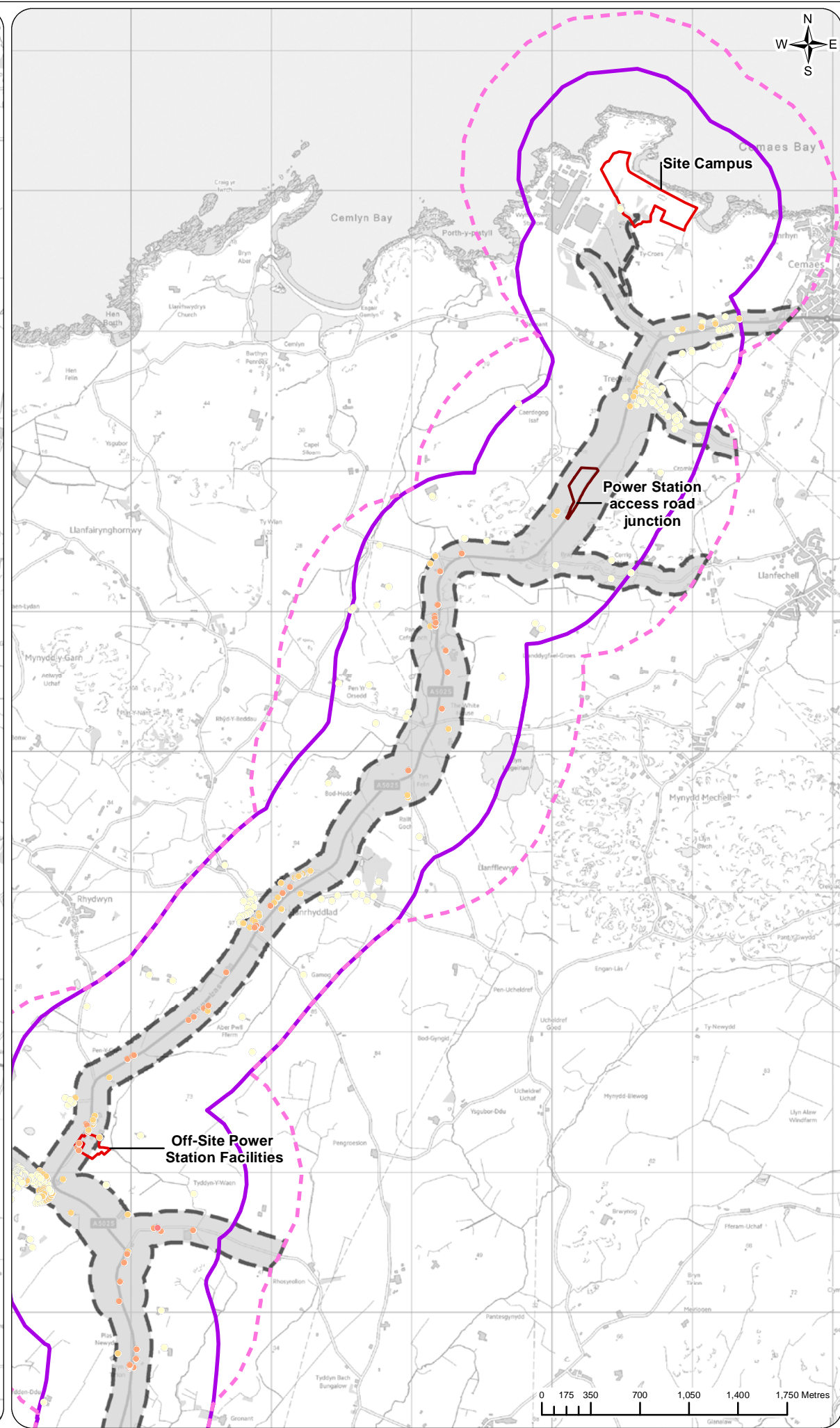
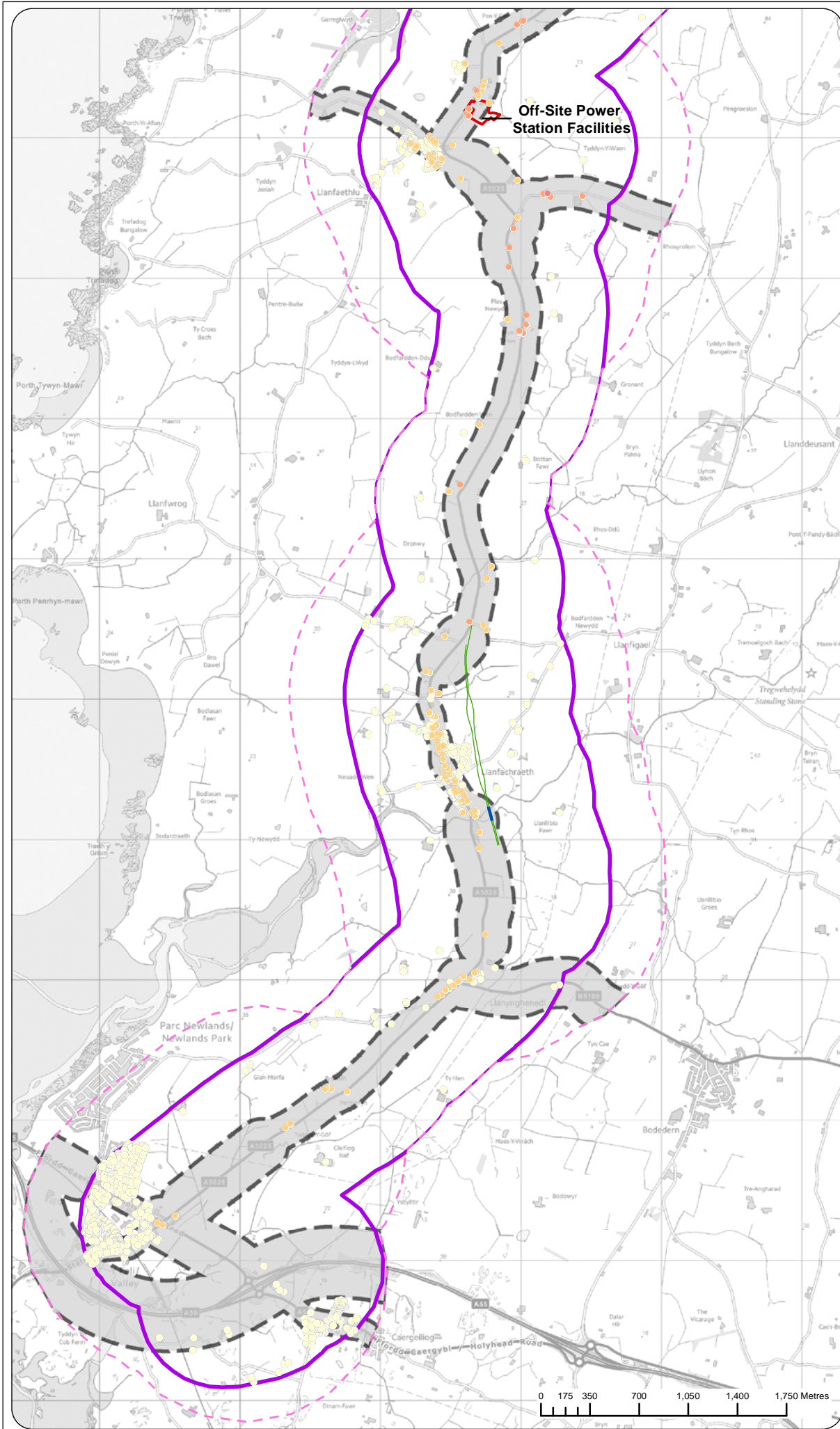


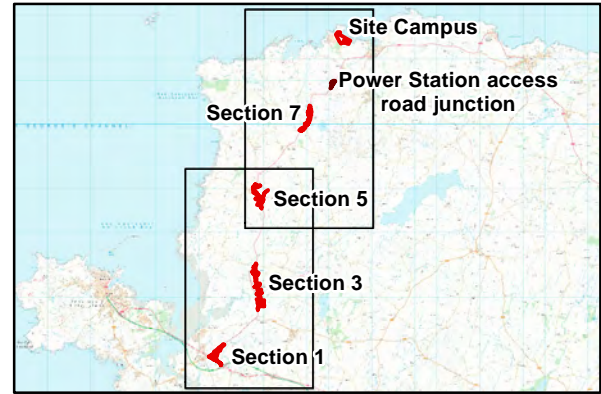
FIGURE C5-7

Legend

- Off-Site Power Station Facilities & Site Campus
- Work package 1J
- Study area
- Calculation area
- Estimated 60 dB LAmax Buffer
- Proposed noise barrier
- Proposed noise barrier 1m high

Noise change dB LAeq,8hr

- Large decrease in noise level
- Medium decrease in noise level
- Small decrease in noise level
- Negligible decrease in noise level
- No change
- Negligible increase in noise level
- Small increase in noise level
- Medium increase in noise level
- Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			NIGHT-TIME DO-MINIMUM 2020 VS. DO-SOMETHING 2020 (WITHOUT IMPROVEMENTS COMPLETED AND OPERATIONAL) A5025 OFF-LINE HIGHWAY IMPROVEMENTS AND THE SITE CAMPUS			
Scale @ A3		1:37,500	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_VOL_C_05_07				



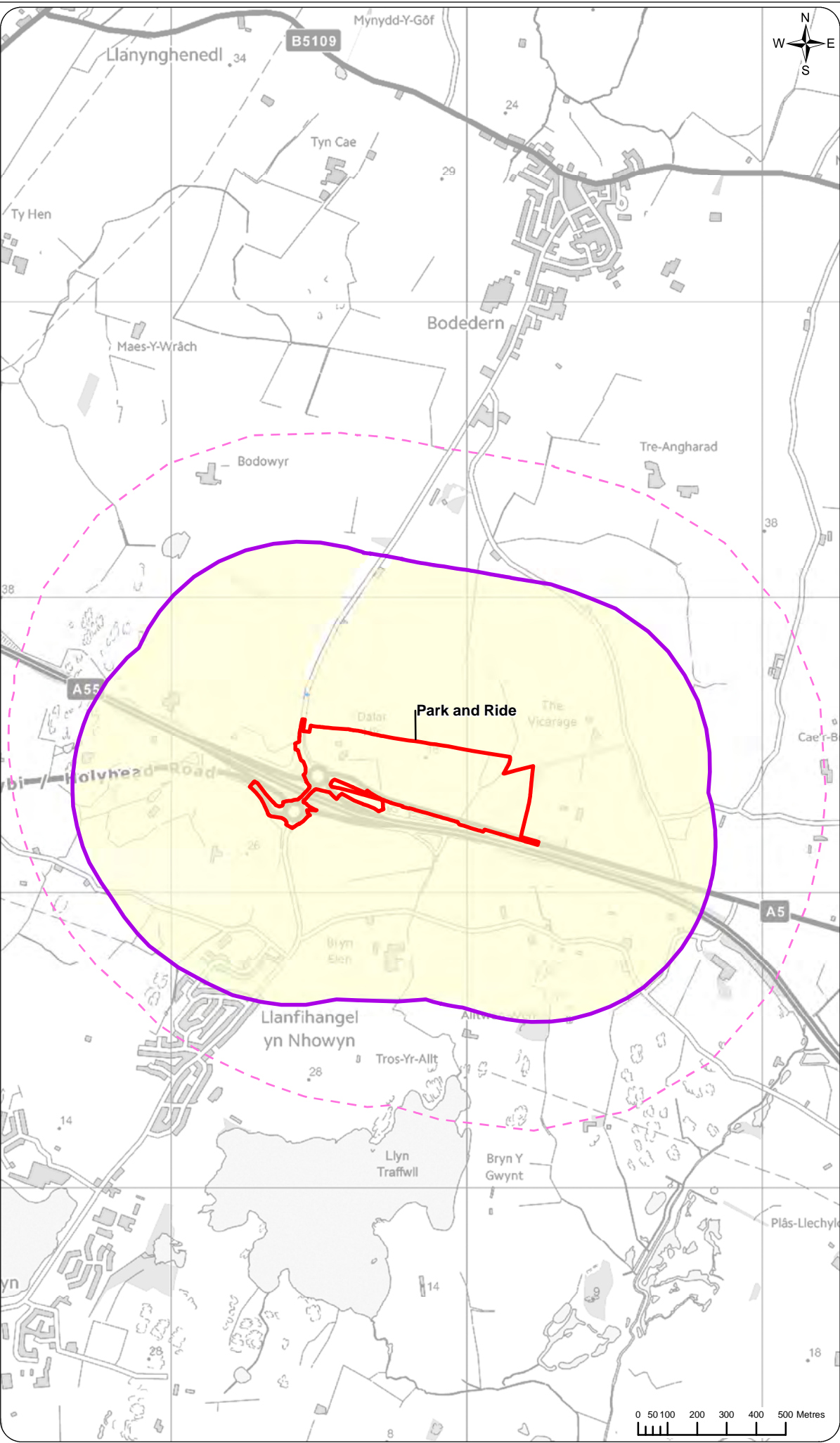
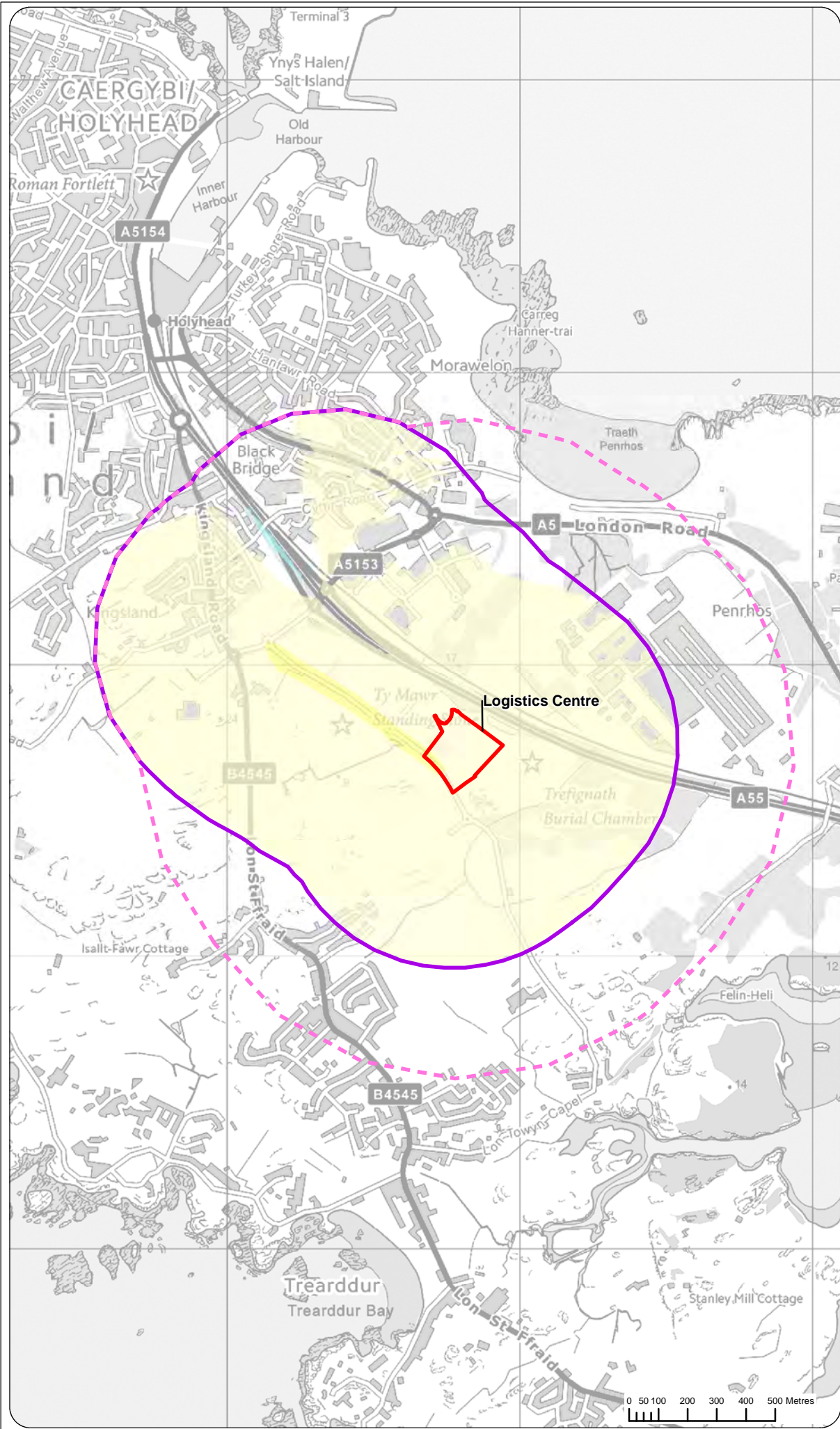


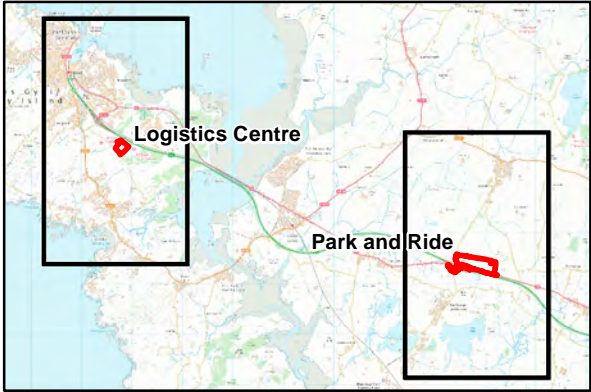
FIGURE C5-8


Legend

- Logistics Centre and Park and Ride
- Study area
- Calculation area

Noise change dB L<sub>A10,18hr</sub>

- <= -5.0 Large decrease in noise level
- 4.9 to -3.0 Medium decrease in noise level
- 2.9 to -1.0 Small decrease in noise level
- 0.9 to -0.1 Negligible decrease in noise level
- 0.0 No change
- 0.1 to 0.9 Negligible increase in noise level
- 1.0 to 2.9 Small increase in noise level
- 3.0 to 4.9 Medium increase in noise level
- >= 5.0 Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DAYTIME DO-MINIMUM 2020 VS. DO-SOMETHING 2020 (OPENING YEAR OF A5025 IMPROVEMENTS, COMPLETED AND OPERATIONAL) LOGISTICS CENTRE AND PARK AND RIDE			
Scale @ A3		1:18,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.			60PO8077_DCO_VOL_C_05_08			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



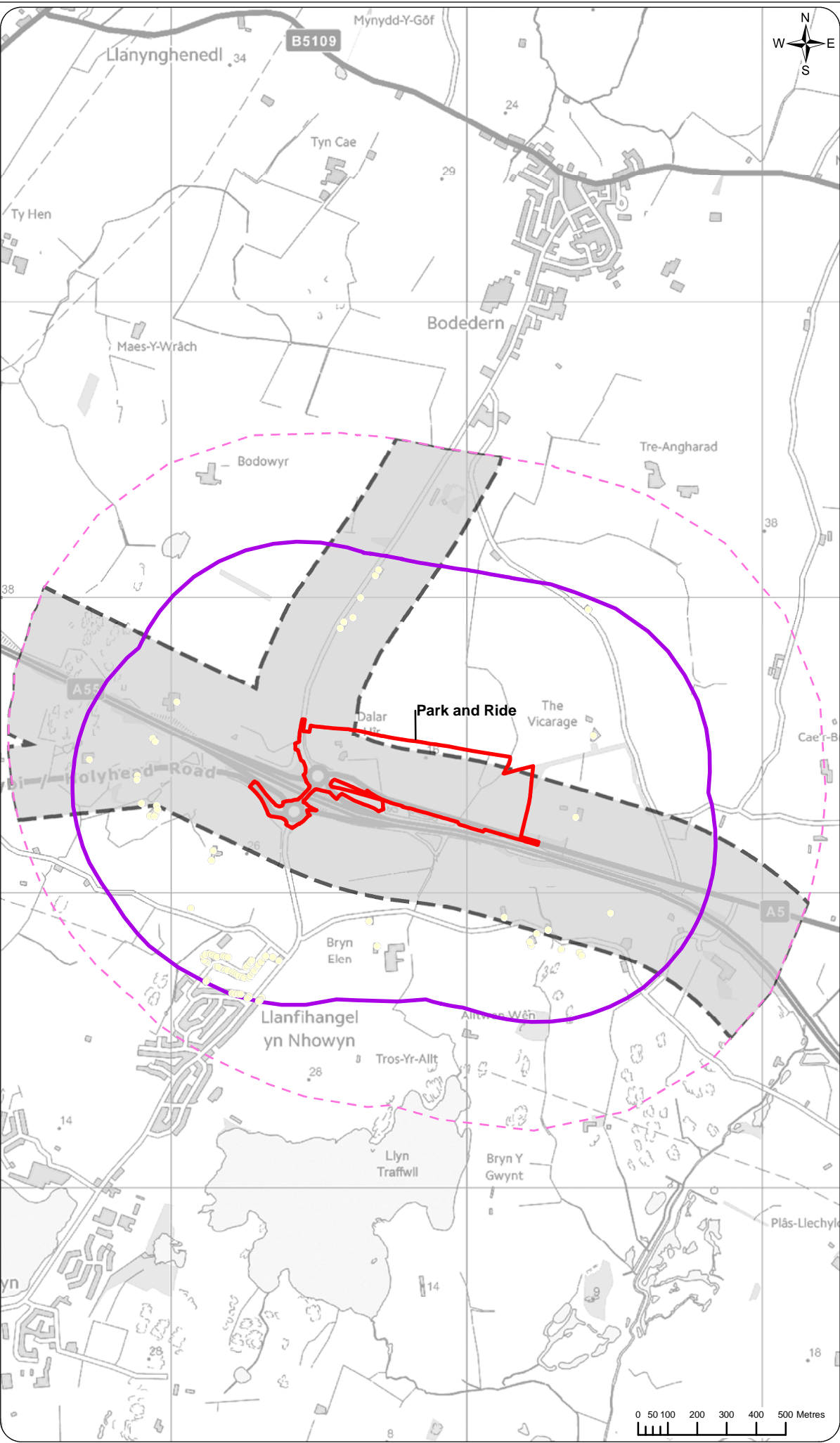
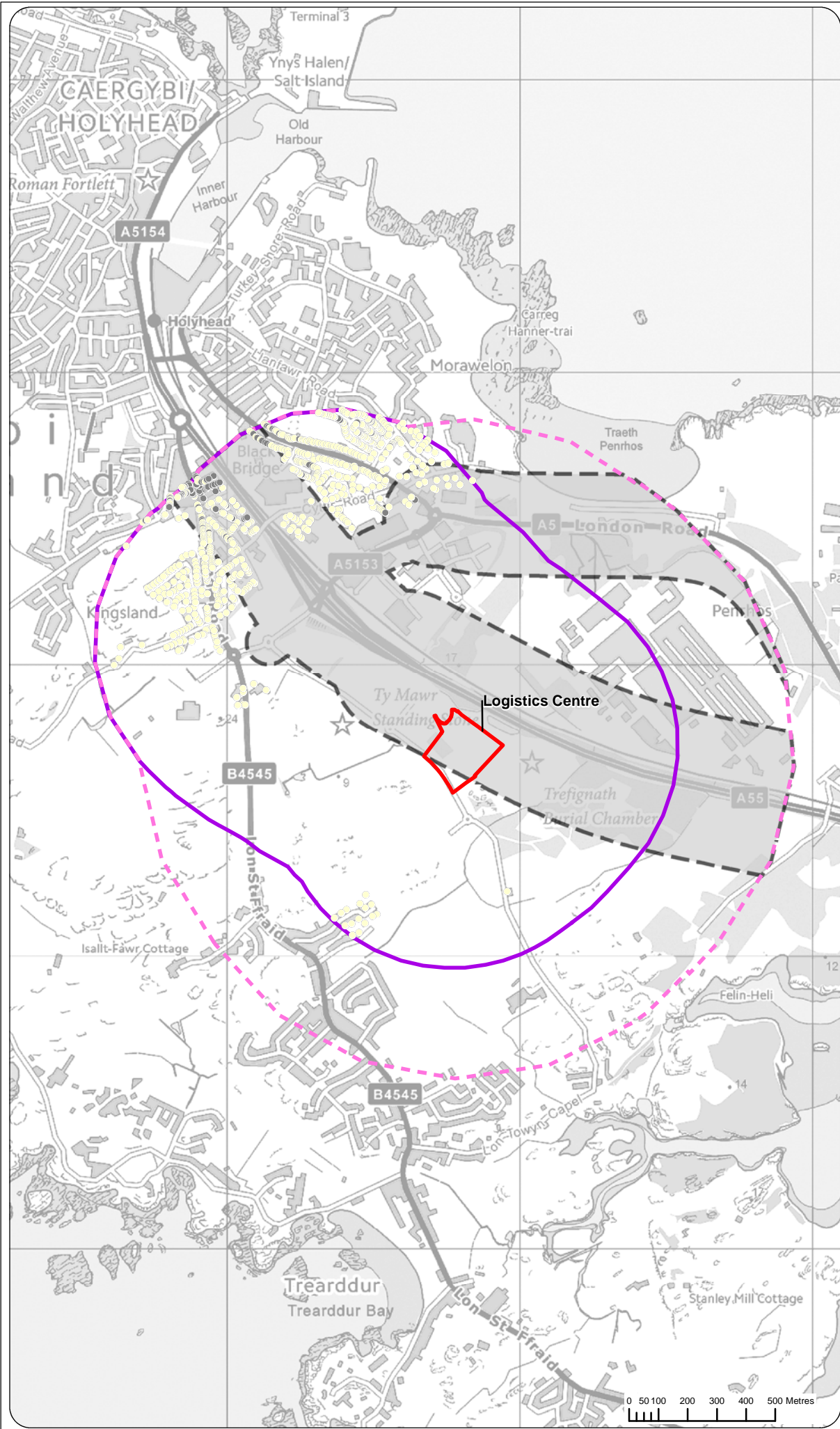
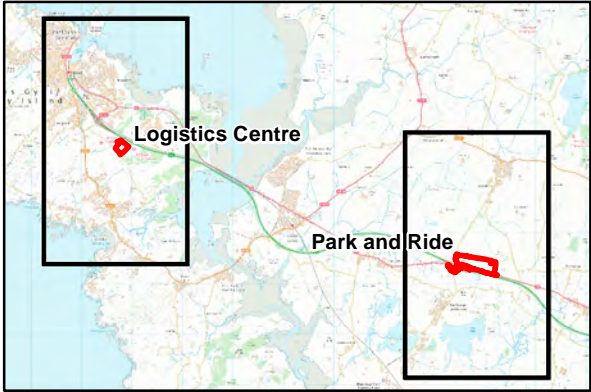


FIGURE C5-9

- Legend
- Logistics Centre and Park and Ride
  - Study area
  - Calculation area
  - Estimated 60 dB LAmax Buffer
- Noise change  $\text{dB L}_{\text{Aeq},8\text{hr}}$
- Large decrease in noise level
  - Medium decrease in noise level
  - Small decrease in noise level
  - Negligible decrease in noise level
  - No change
  - Negligible increase in noise level
  - Small increase in noise level
  - Medium increase in noise level
  - Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			NIGHT-TIME DO-MINIMUM 2020 VS. DO-SOMETHING 2020 (WITH IMPROVEMENTS COMPLETED AND OPERATIONAL) LOGISTICS CENTRE AND PARK AND RIDE			
Scale @ A3	1:18,000			DO NOT SCALE		
Jacobs No.	60PO8077					
Client No.						
Drawing No.						
60PO8077_DCO_VOL_C_05_09						



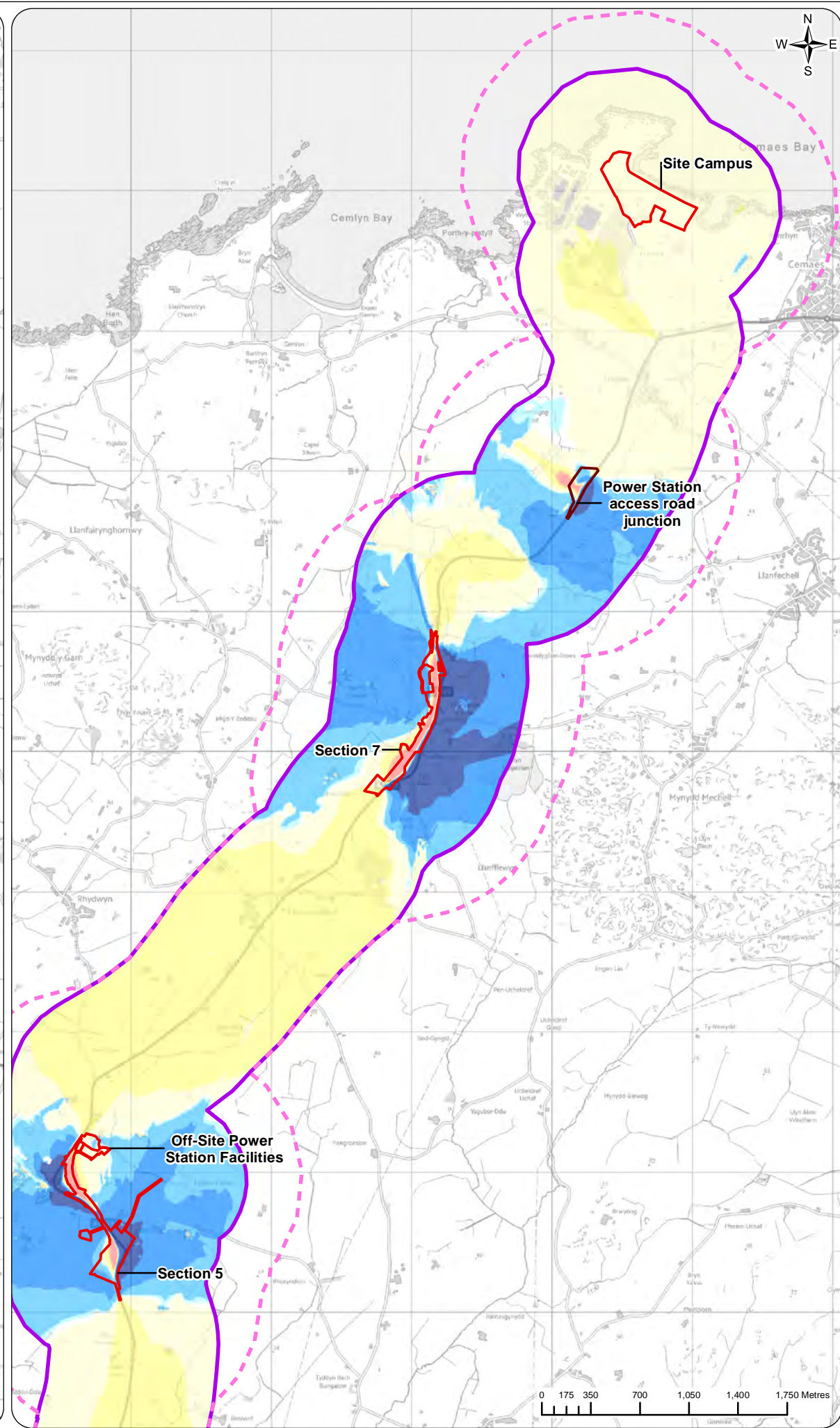
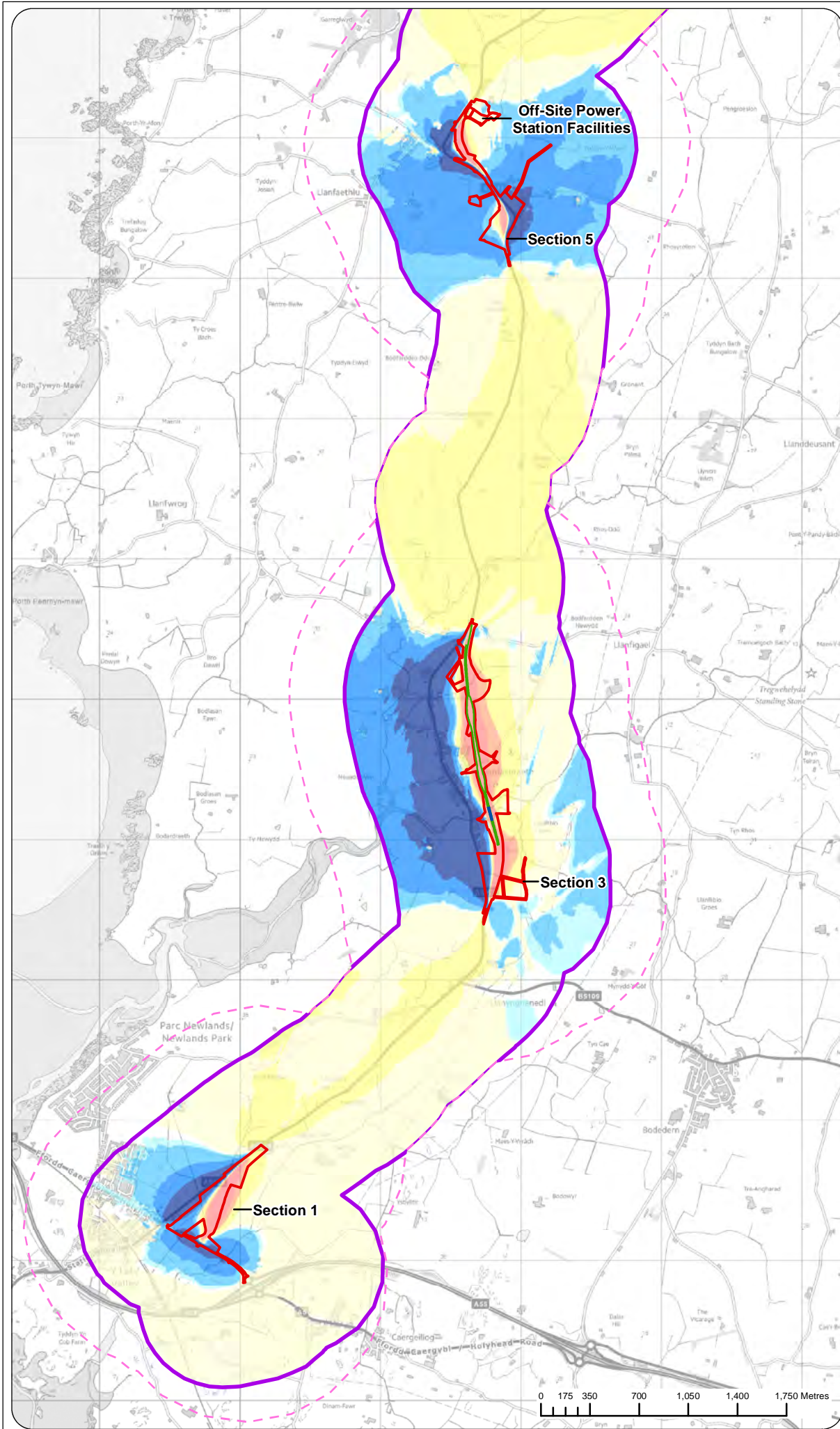


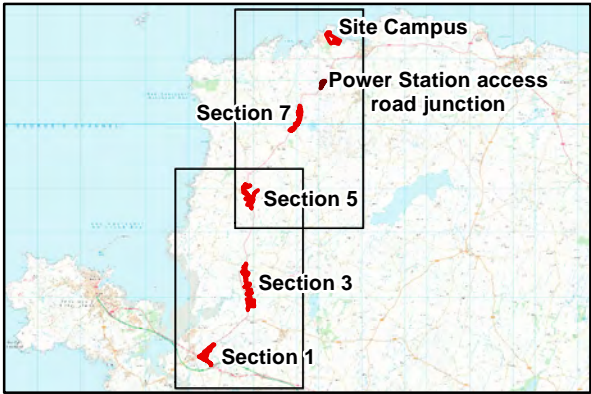
FIGURE C5-10

Legend

- Site Campus and A5025 Off-line Highway Improvements and Off-Site Power Station Facilities
- Work package 1J
- Study area
- Calculation area
- Proposed noise barrier
- Proposed noise barrier 1m high

Noise change dB  $L_{A10,18hr}$

- $\leq -5.0$  Large decrease in noise level
- 4.9 to -3.0 Medium decrease in noise level
- 2.9 to -1.0 Small decrease in noise level
- 0.9 to -0.1 Negligible decrease in noise level
- 0.0 No change
- 0.1 to 0.9 Negligible increase in noise level
- 1.0 to 2.9 Small increase in noise level
- 3.0 to 4.9 Medium increase in noise level
- $\geq 5.0$  Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<b>HORIZON</b> NUCLEAR POWER			
Project			WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DAYTIME DO-MINIMUM 2020 VS. DO-SOMETHING 2020 (OPENING YEAR OF A5025 IMPROVEMENTS, COMPLETED AND OPERATIONAL) A5025 OFF-LINE HIGHWAY IMPROVEMENTS AND THE SITE CAMPUS			
Scale @ A3		1:37,500	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_VOL_C_05_10				



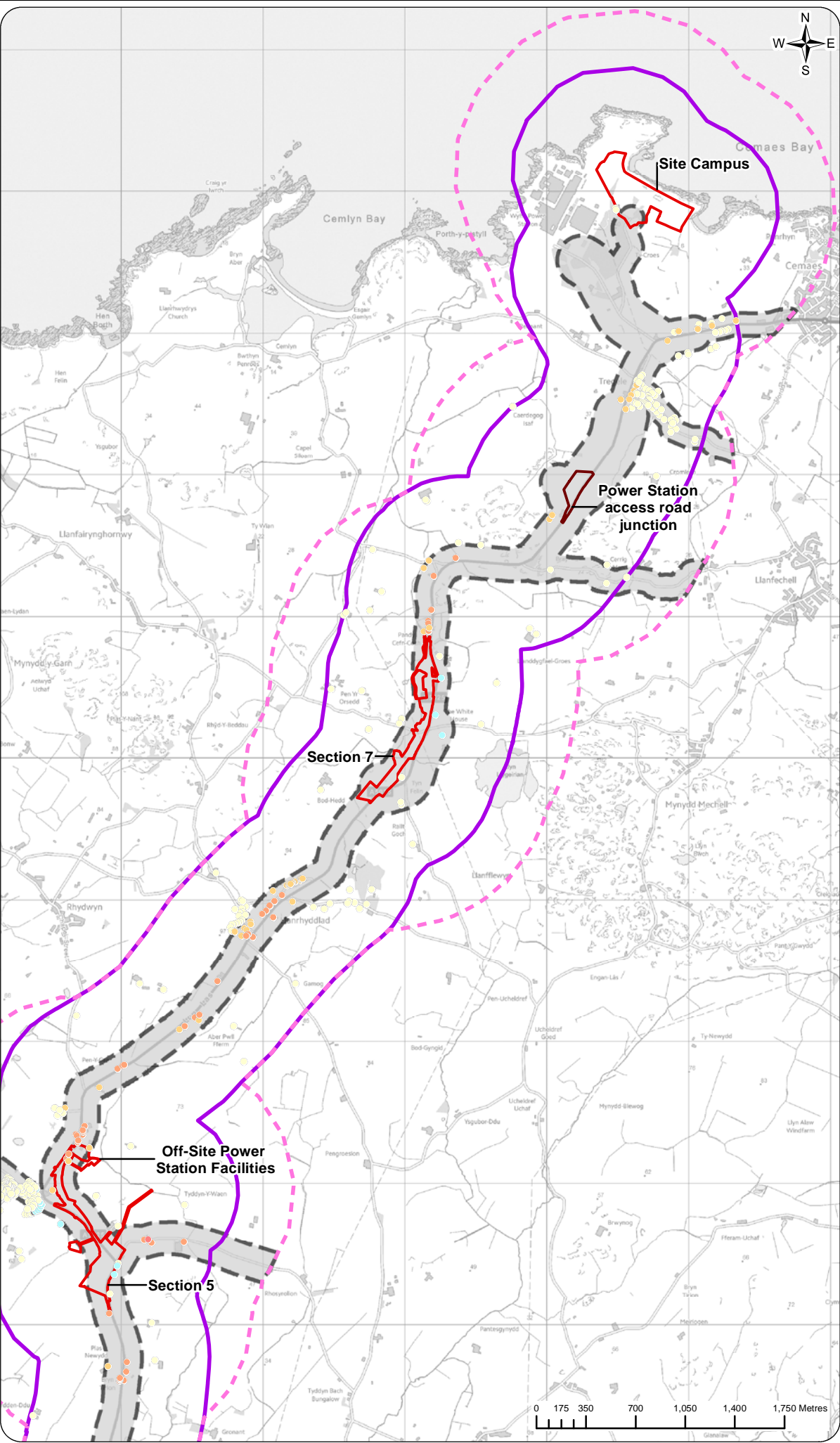
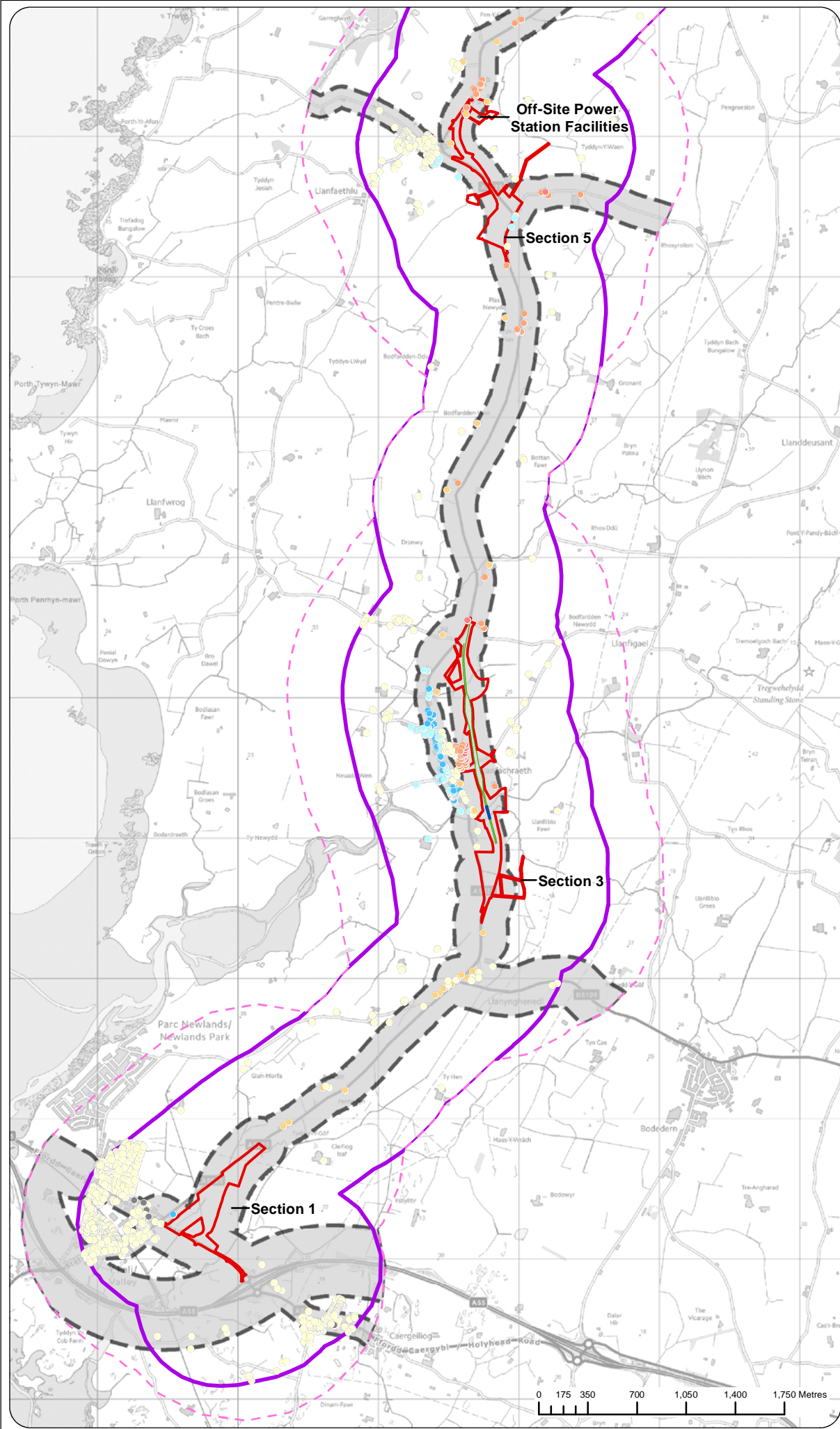


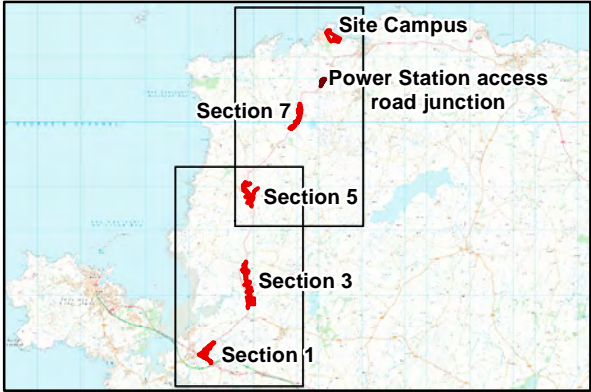
FIGURE C5-11

Legend

- Site Campus and A5025 Off-line Highway Improvements and Off-Site Power Station Facilities
- Work package 1J
- Study area
- Calculation area
- Estimated 60 dB LAmax Buffer
- Proposed noise barrier
- Proposed noise barrier 1m high

Noise change dBL<sub>Aeq,8hr</sub>

- Large decrease in noise level
- Medium decrease in noise level
- Small decrease in noise level
- Negligible decrease in noise level
- No change
- Negligible increase in noise level
- Small increase in noise level
- Medium increase in noise level
- Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<b>HORIZON</b> NUCLEAR POWER			
Project			WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			NIGHT-TIME DO-MINIMUM 2020 VS. DO-SOMETHING 2020 (WITH IMPROVEMENTS COMPLETED AND OPERATIONAL) A5025 OFF-LINE HIGHWAY IMPROVEMENTS AND THE SITE CAMPUS			
Scale @ A3		1:37,500	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_VOL_C_05_11				



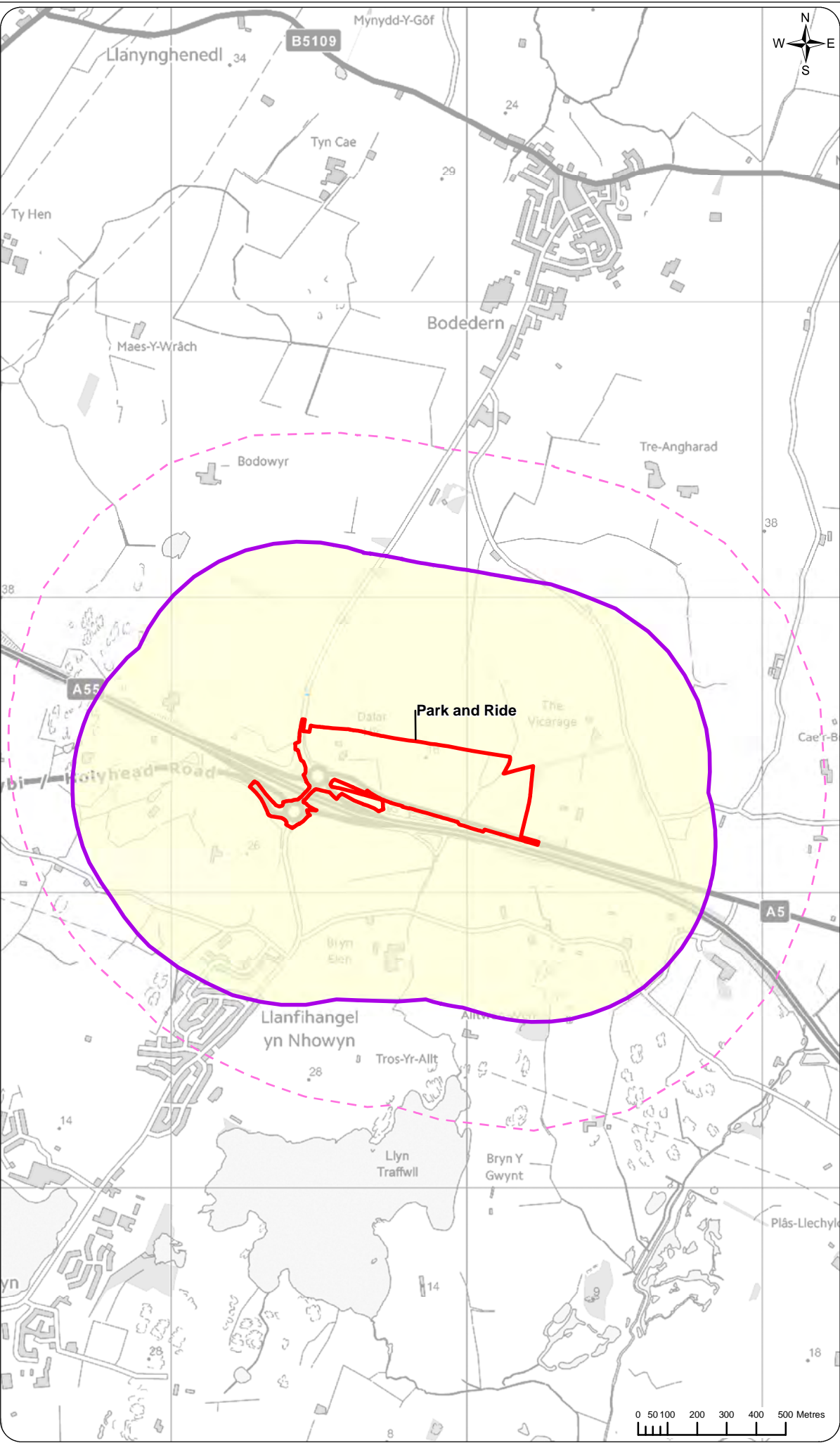
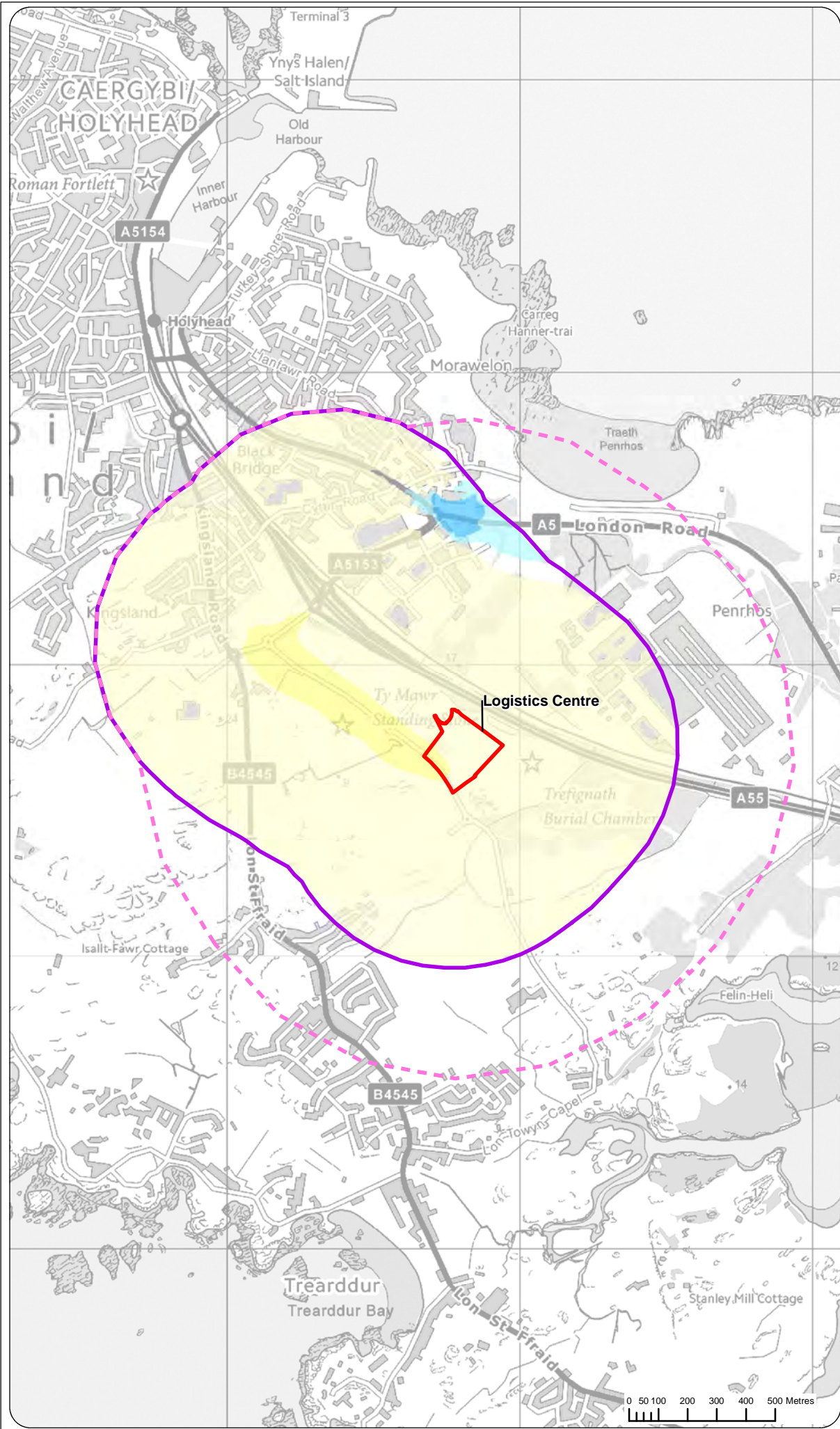


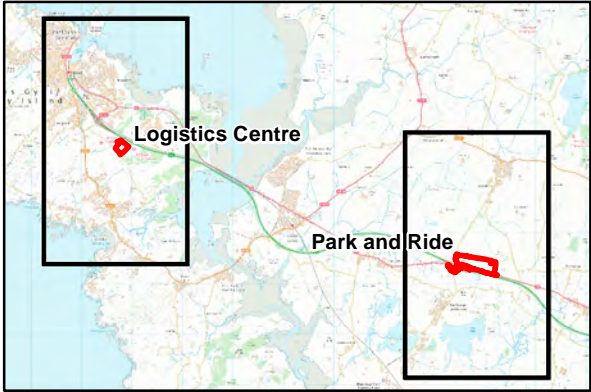
FIGURE C5-12


Legend

- Logistics Centre and Park and Ride
- Study area
- Calculation area

Noise change dB L<sub>A10,18hr</sub>

- <= -5.0 Large decrease in noise level
- 4.9 to -3.0 Medium decrease in noise level
- 2.9 to -1.0 Small decrease in noise level
- 0.9 to -0.1 Negligible decrease in noise level
- 0.0 No change
- 0.1 to 0.9 Negligible increase in noise level
- 1.0 to 2.9 Small increase in noise level
- 3.0 to 4.9 Medium increase in noise level
- >= 5.0 Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DAYTIME DO-MINIMUM 2020 VS. DO-SOMETHING 2023 LOGISTICS CENTRE AND PARK AND RIDE			
Scale @ A3	1:18,000			DO NOT SCALE		
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_05_12					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



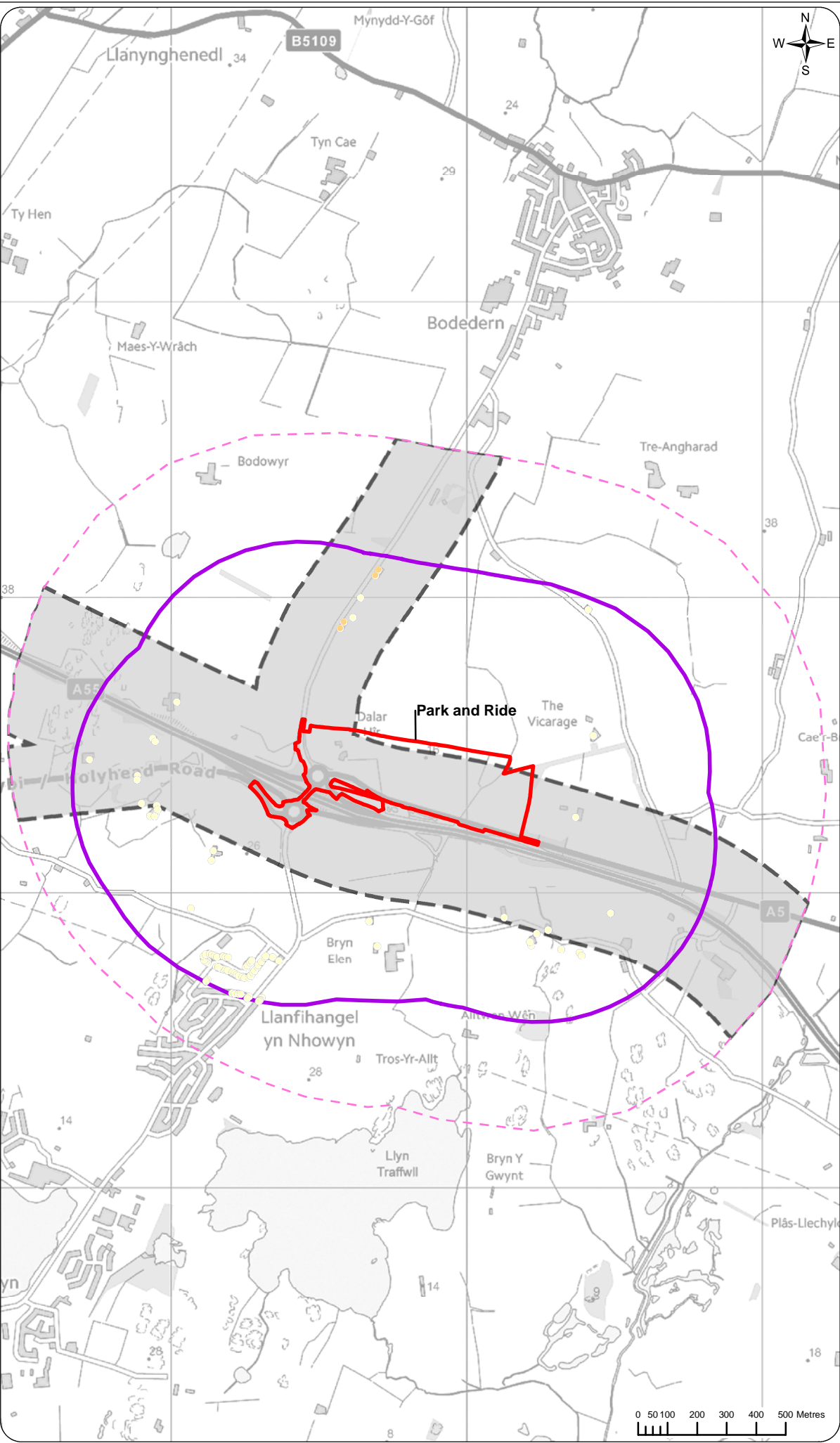
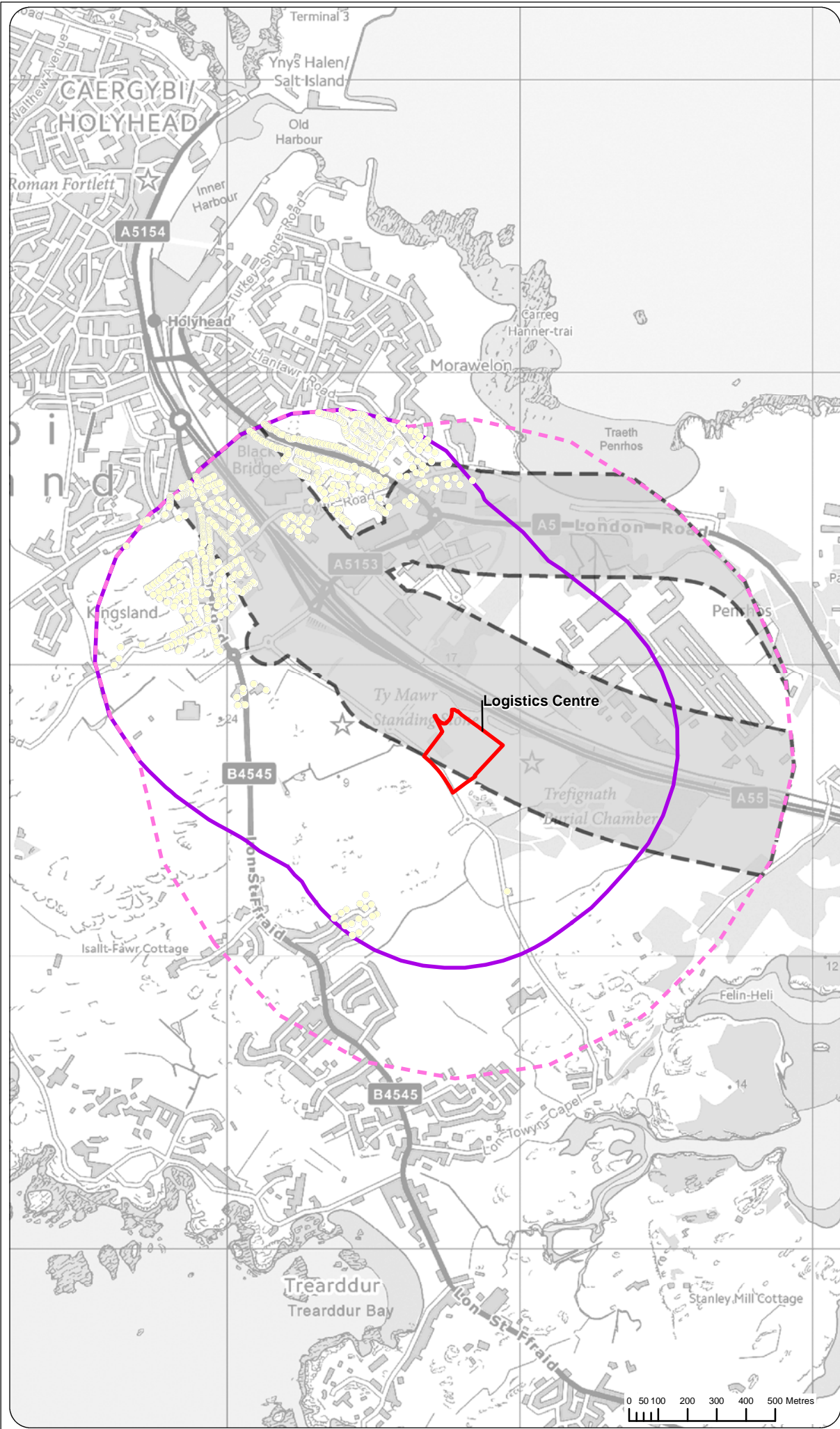


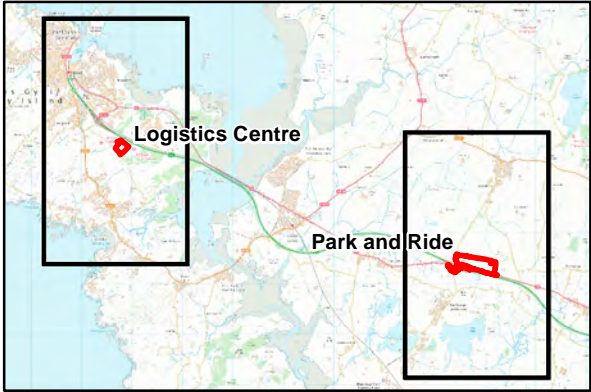
FIGURE C5-13

Legend

- Logistics Centre and Park and Ride
- Study area
- Calculation area
- Estimated 60 dB LAeq,8hr

Noise change dB LAeq,8hr

- Large decrease in noise level
- Medium decrease in noise level
- Small decrease in noise level
- Negligible decrease in noise level
- No change
- Negligible increase in noise level
- Small increase in noise level
- Medium increase in noise level
- Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
NIGHT-TIME DO-MINIMUM 2020 VS. DO-SOMETHING 2023 LOGISTICS CENTRE AND PARK AND RIDE						
Scale @ A3		1:18,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.						
60PO8077_DCO_VOL_C_05_13						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



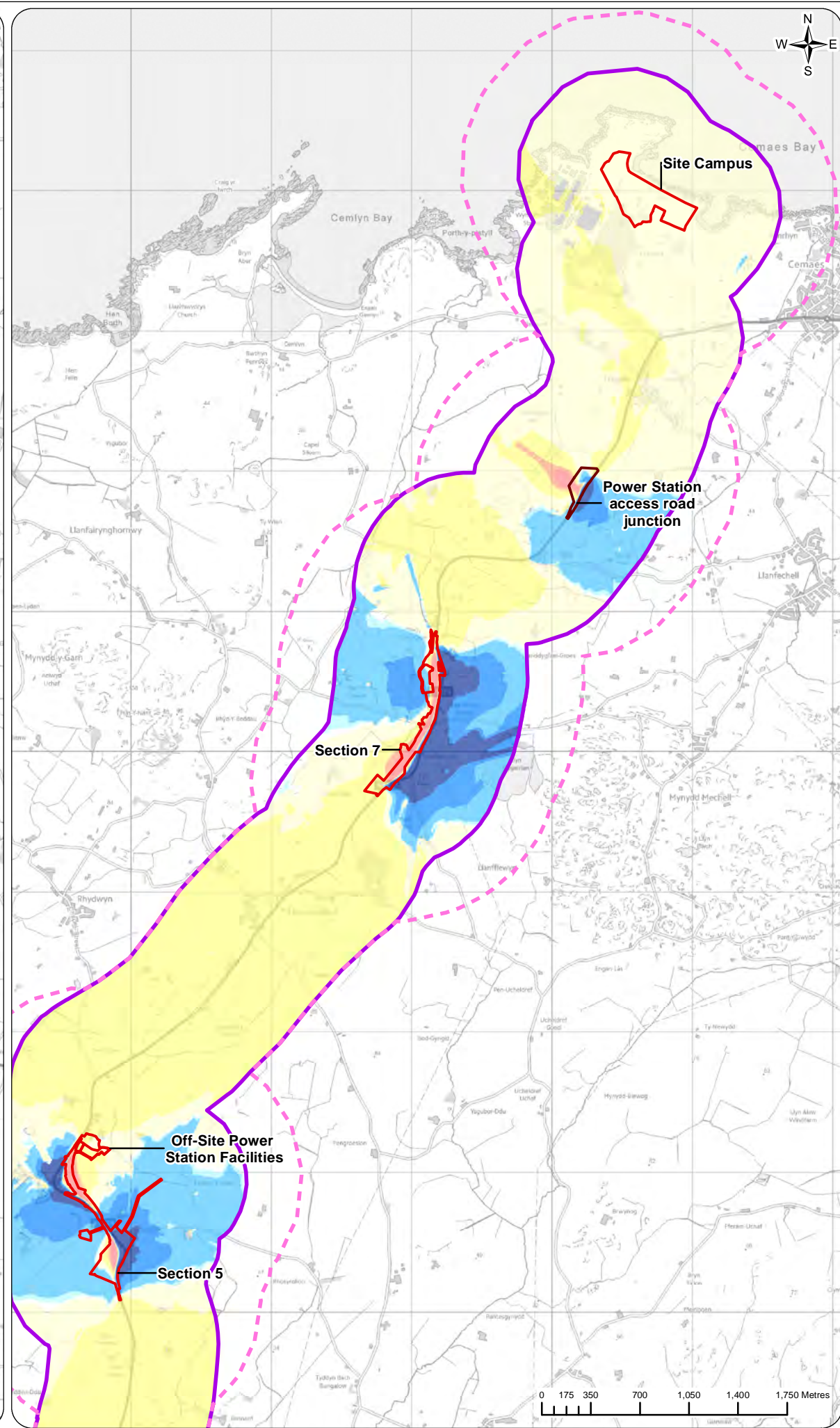
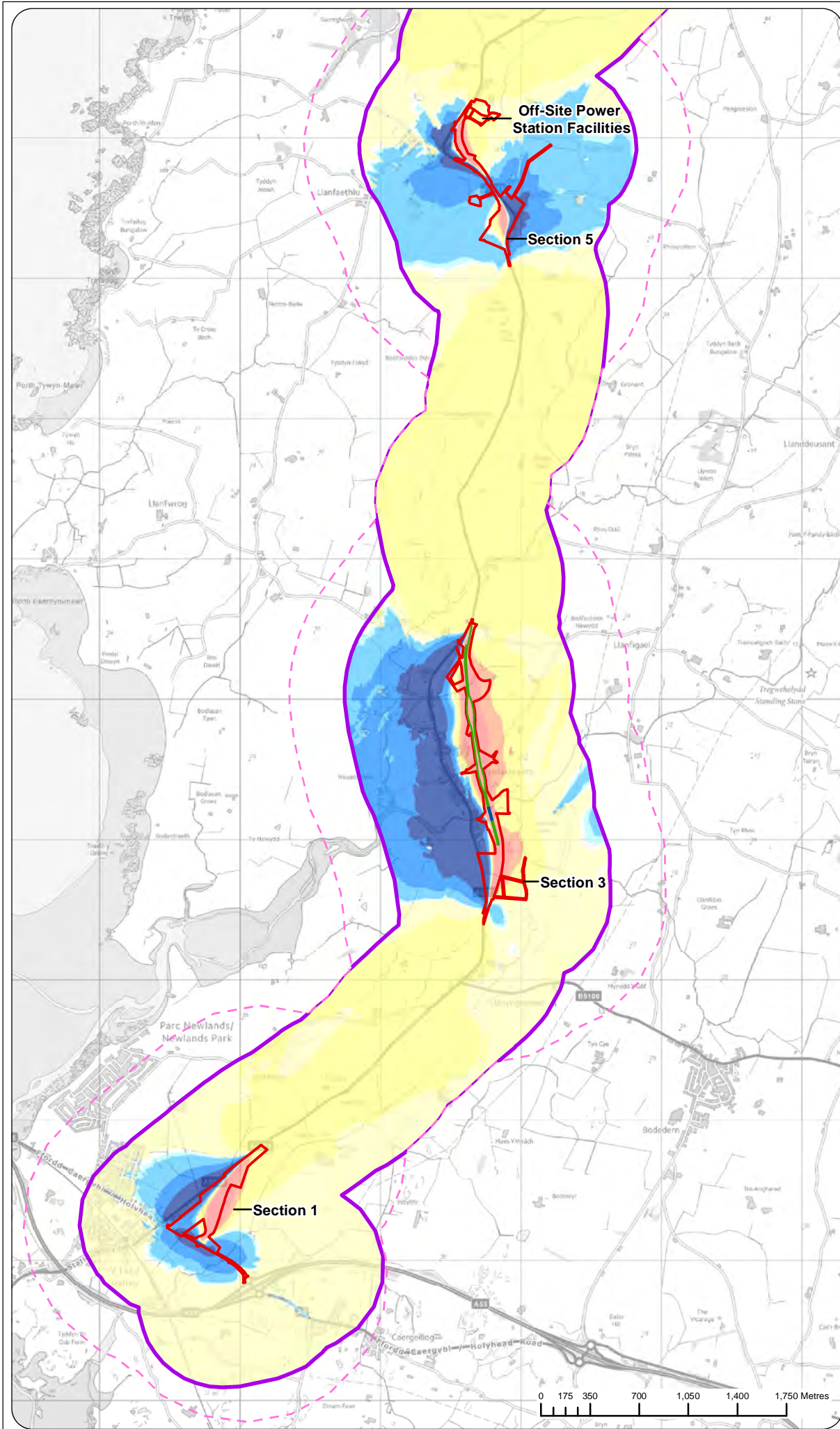


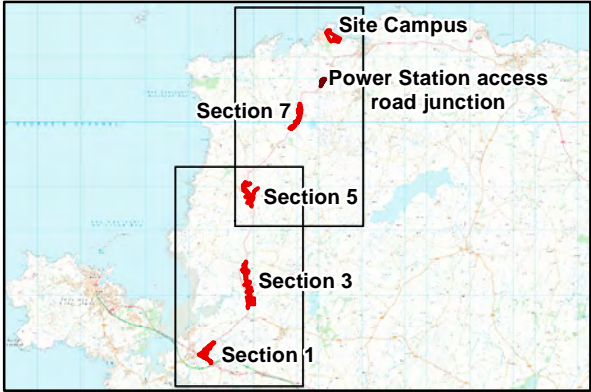
FIGURE C5-14

Legend

- Site Campus and A5025 Off-line Highway Improvements and Off-Site Power Station Facilities
- Work package 1J
- Study area
- Calculation area
- Proposed noise barrier
- Proposed noise barrier 1m high

Noise change dBL<sub>A10,18hr</sub>

- <= -5.0 Large decrease in noise level
- 4.9 to -3.0 Medium decrease in noise level
- 2.9 to -1.0 Small decrease in noise level
- 0.9 to -0.1 Negligible decrease in noise level
- 0.0 No change
- 0.1 to 0.9 Negligible increase in noise level
- 1.0 to 2.9 Small increase in noise level
- 3.0 to 4.9 Medium increase in noise level
- >= 5.0 Large increase in noise level



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div><div><div>HORIZON</div><div>NUCLEAR POWER</div></div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
DAYTIME DO-MINIMUM 2020 VS. DO-SOMETHING 2023 A5025 OVERVIEW						
Scale @ A3	1:37,500					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.						
60PO8077_DCO_VOL_C_05_14						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



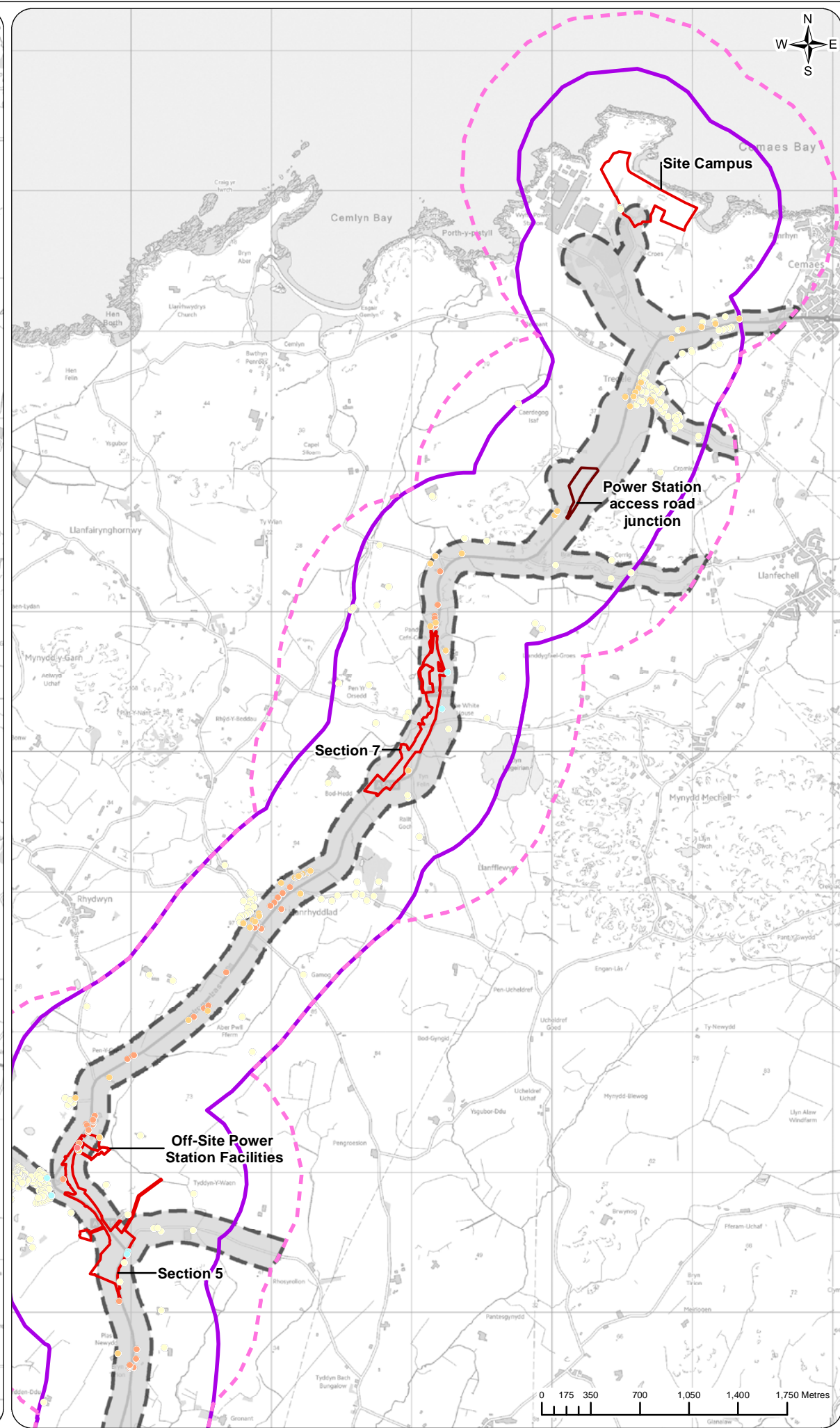
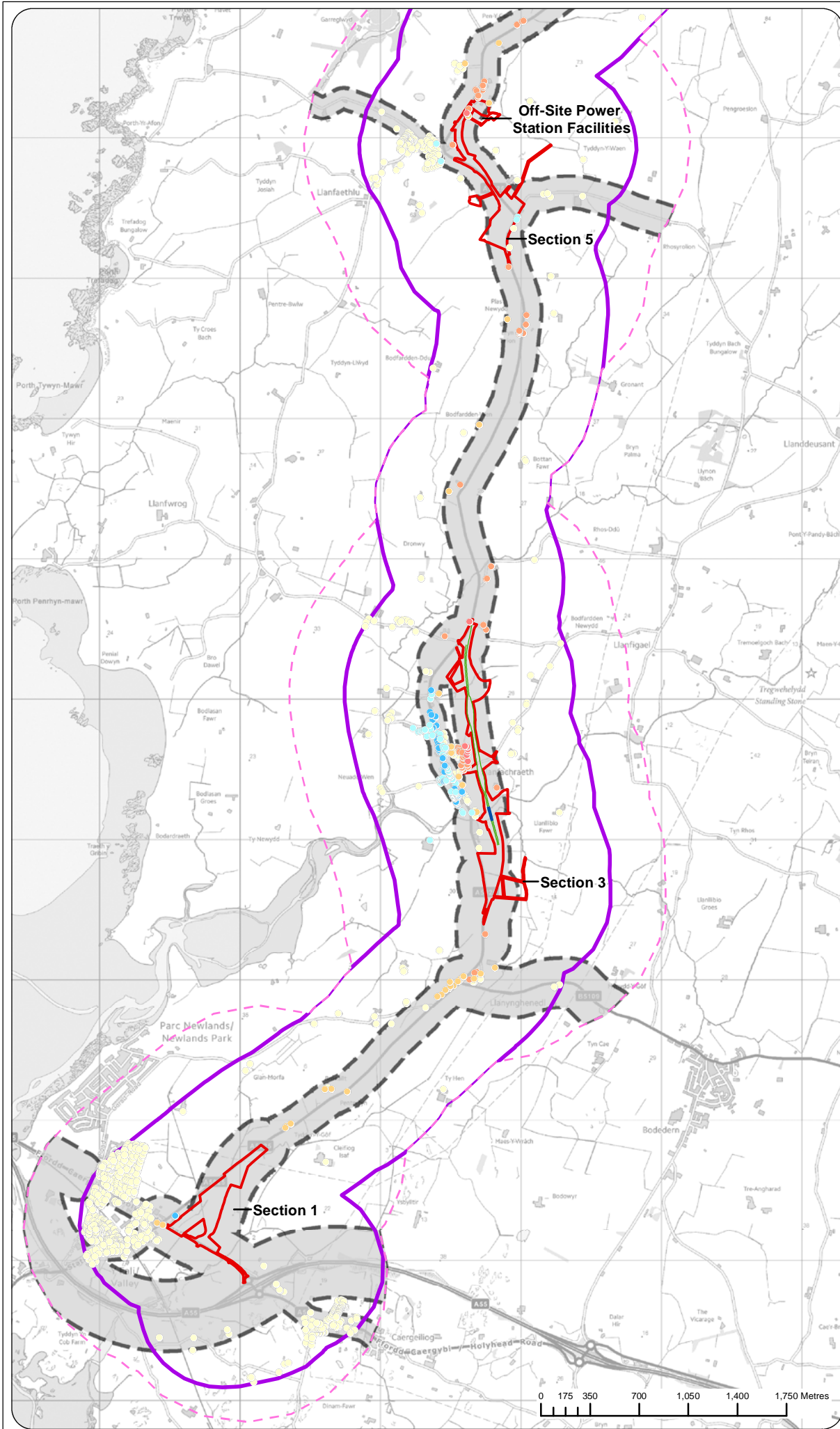


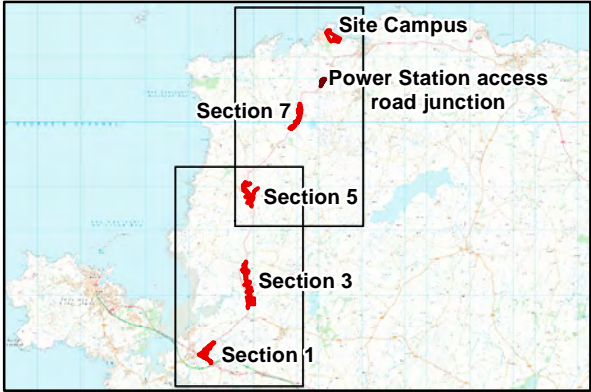
FIGURE C5-15

Legend

- Site Campus and A5025 Off-line Highway Improvements and Off-Site Power Station Facilities
- Work package 1J
- Study area
- Calculation area
- Proposed noise barrier
- Proposed noise barrier 1m high
- Estimated 60 dB LAmax Buffer

Noise change dB L<sub>Aeq,8hr</sub>

- Large decrease in noise level
- Medium decrease in noise level
- Small decrease in noise level
- Negligible decrease in noise level
- No change
- Negligible increase in noise level
- Small increase in noise level
- Medium increase in noise level
- Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			NIGHT-TIME DO-MINIMUM 2020 VS. DO-SOMETHING 2023 A5025 OVERVIEW			
Scale @ A3	1:37,500		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_05_15					



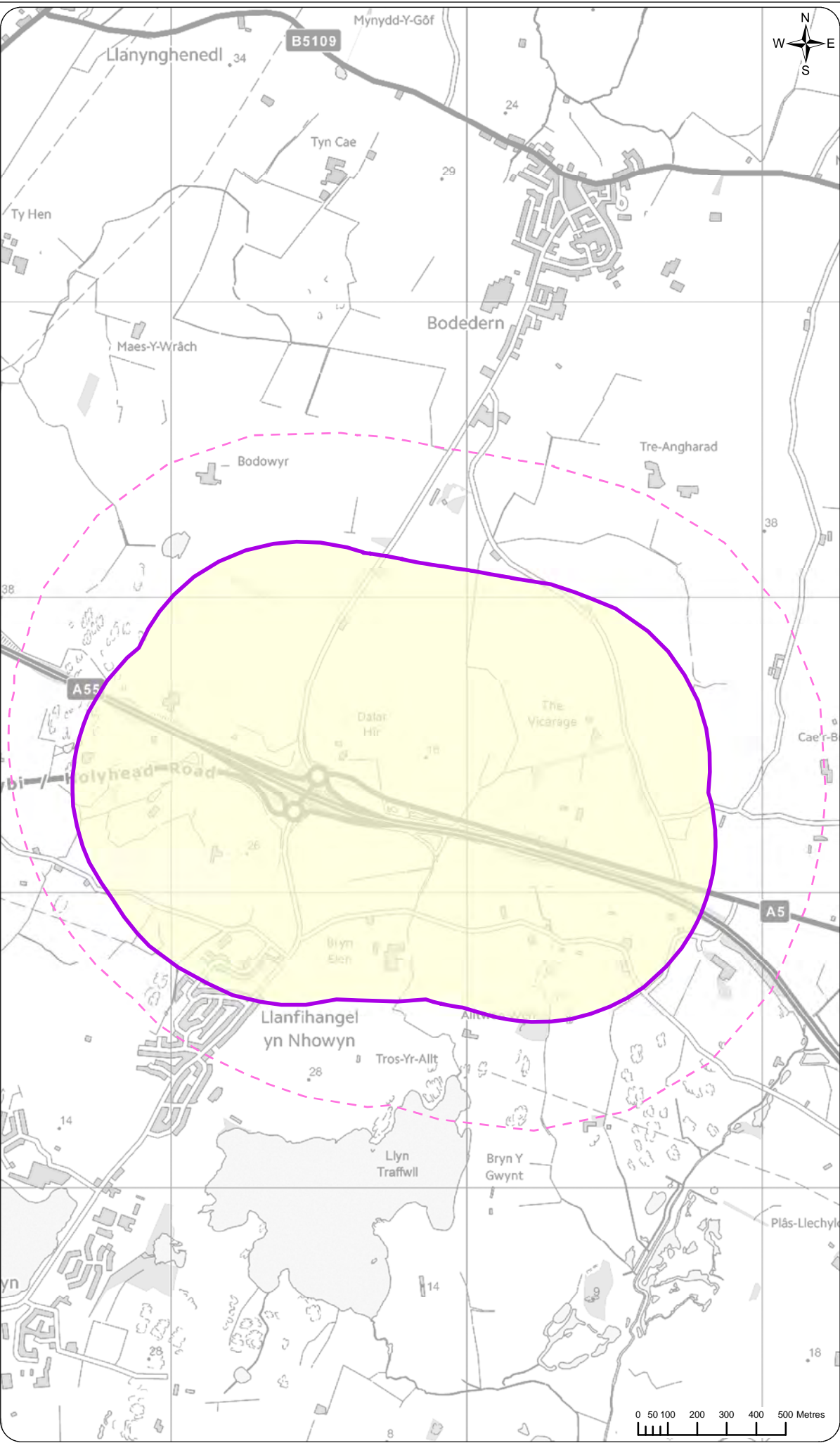
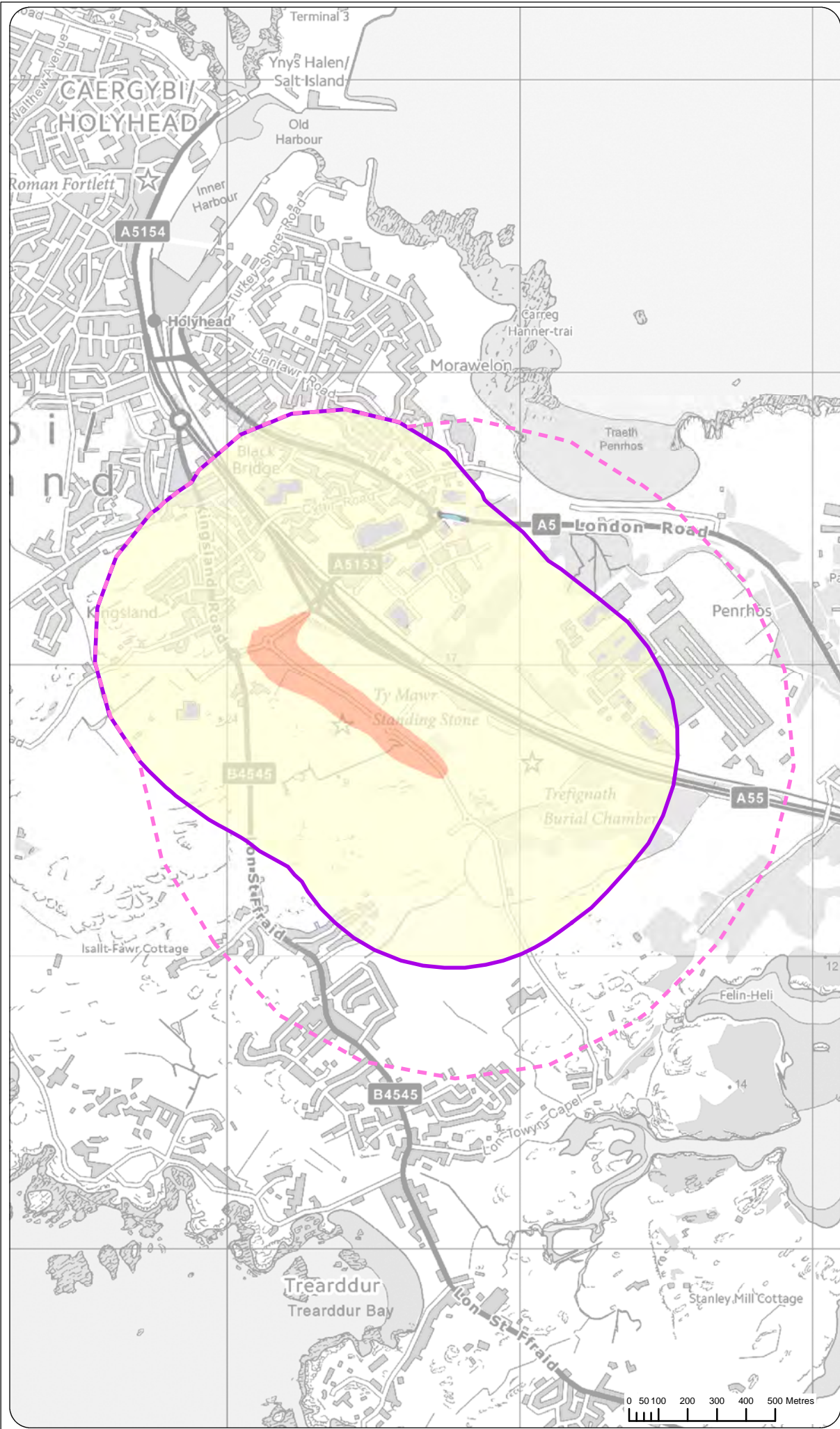


FIGURE C5-16

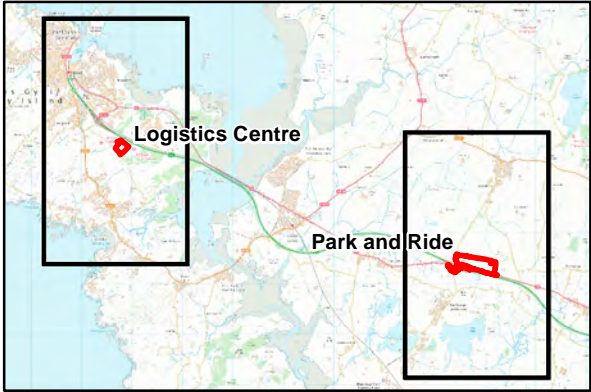
Legend

Study area

Calculation area

Noise change dB L<sub>A10,18hr</sub>

- <= -5.0 Large decrease in noise level
- 4.9 to -3.0 Medium decrease in noise level
- 2.9 to -1.0 Small decrease in noise level
- 0.9 to -0.1 Negligible decrease in noise level
- 0.0 No change
- 0.1 to 0.9 Negligible increase in noise level
- 1.0 to 2.9 Small increase in noise level
- 3.0 to 4.9 Medium increase in noise level
- >= 5.0 Large increase in noise level




1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DAYTIME DO-MINIMUM 2020 VS. DO-MINIMUM 2033 LOGISTICS CENTRE AND PARK AND RIDE			
Scale @ A3	1:18,000			DO NOT SCALE		
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_VOL_C_05_16			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						





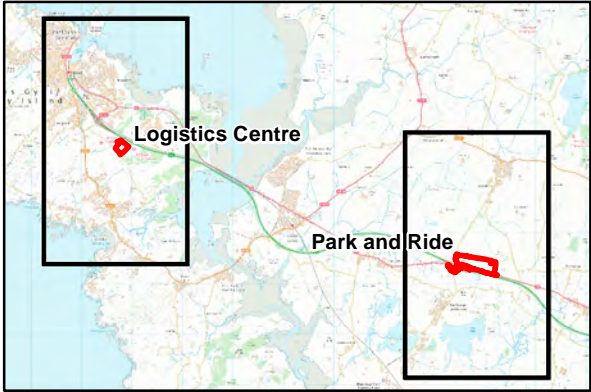
FIGURE C5-17

Legend

- Study area
- Calculation area
- Estimated 60 dB LAmax Buffer

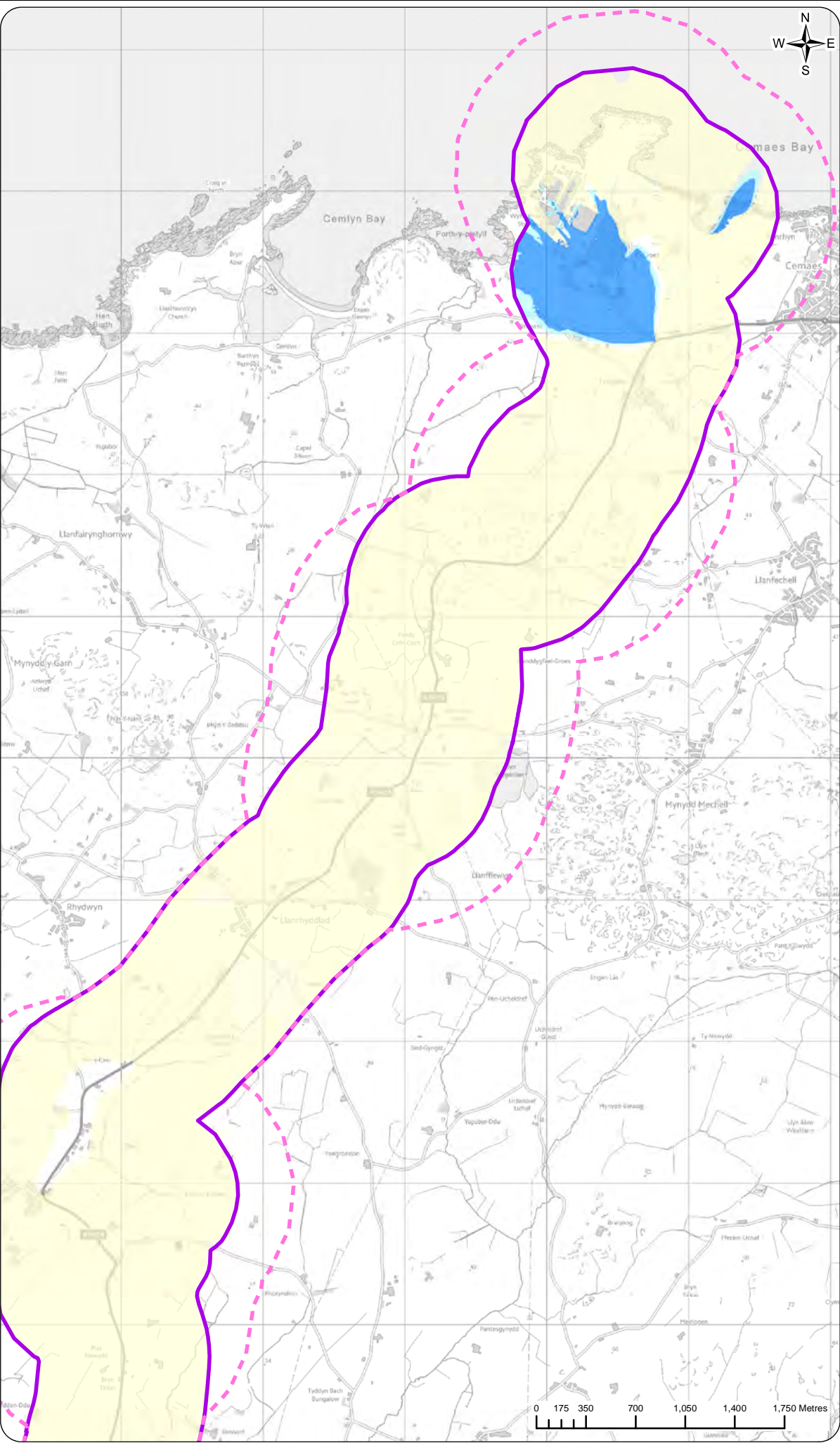
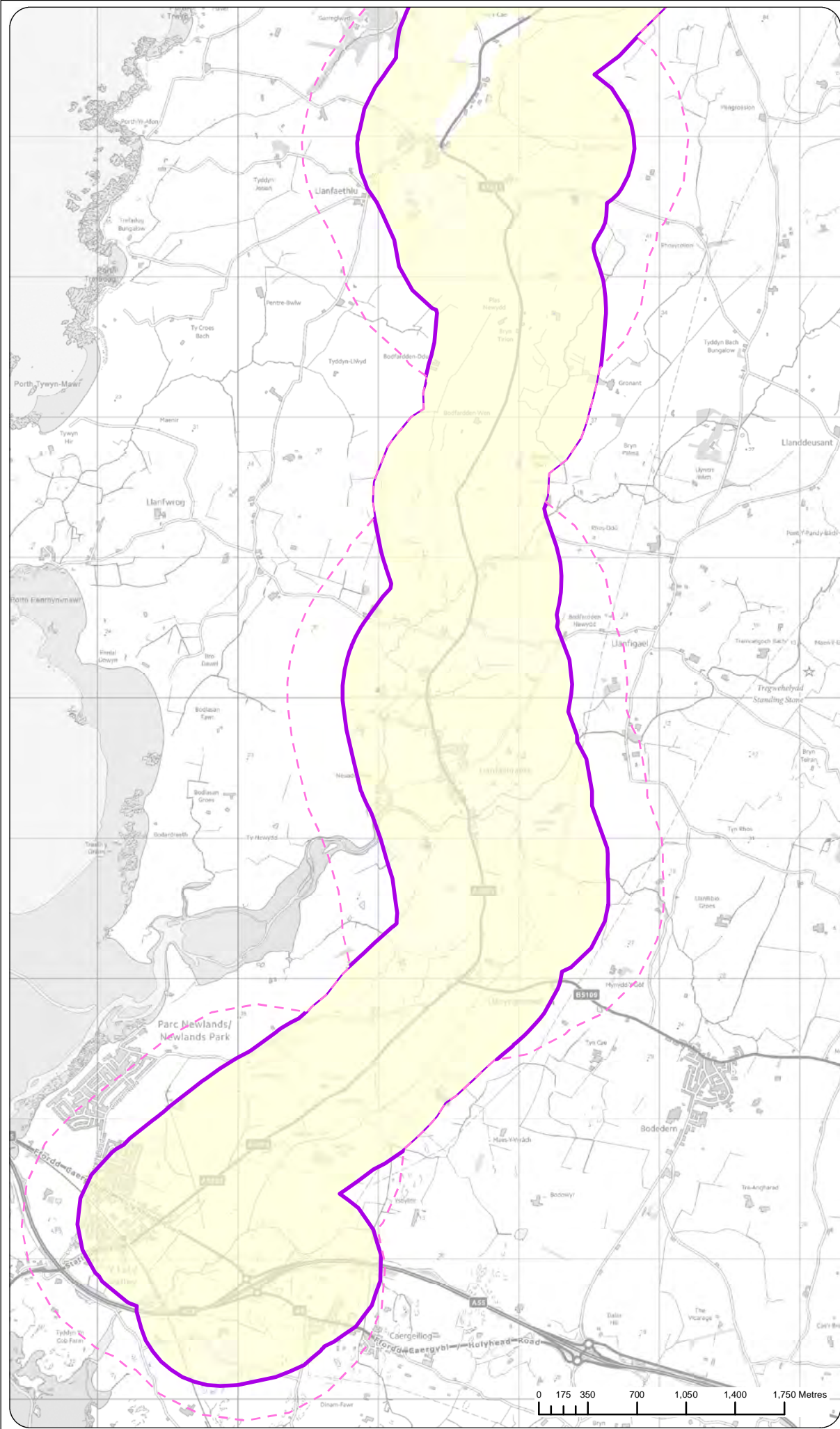
Noise change dBL<sub>Aeq,8hr</sub>

- Large decrease in noise level
- Medium decrease in noise level
- Small decrease in noise level
- Negligible decrease in noise level
- No change
- Negligible increase in noise level
- Small increase in noise level
- Medium increase in noise level
- Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client						
<div><div><div>HORIZON</div><div>NUCLEAR POWER</div></div></div>						
Project						
WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
NIGHT-TIME DO-MINIMUM 2020 VS. DO-MINIMUM 2033 LOGISTICS CENTRE AND PARK AND RIDE						
Scale @ A3		1:18,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.						
60PO8077_DCO_VOL_C_05_17						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						





### FIGURE C5-18

**Legend**

- Study area
- Calculation area

Noise change dB L<sub>A10,18hr</sub>

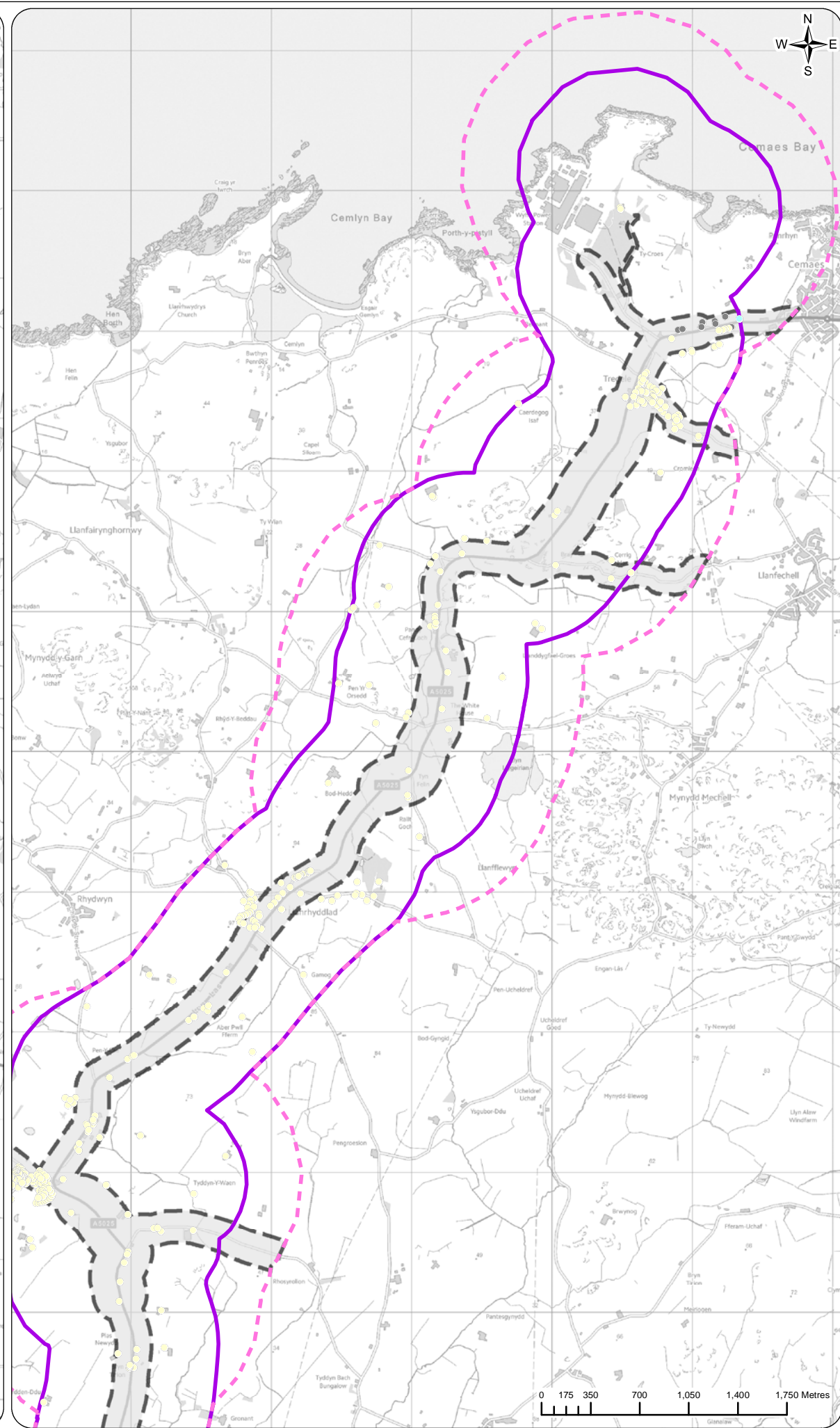
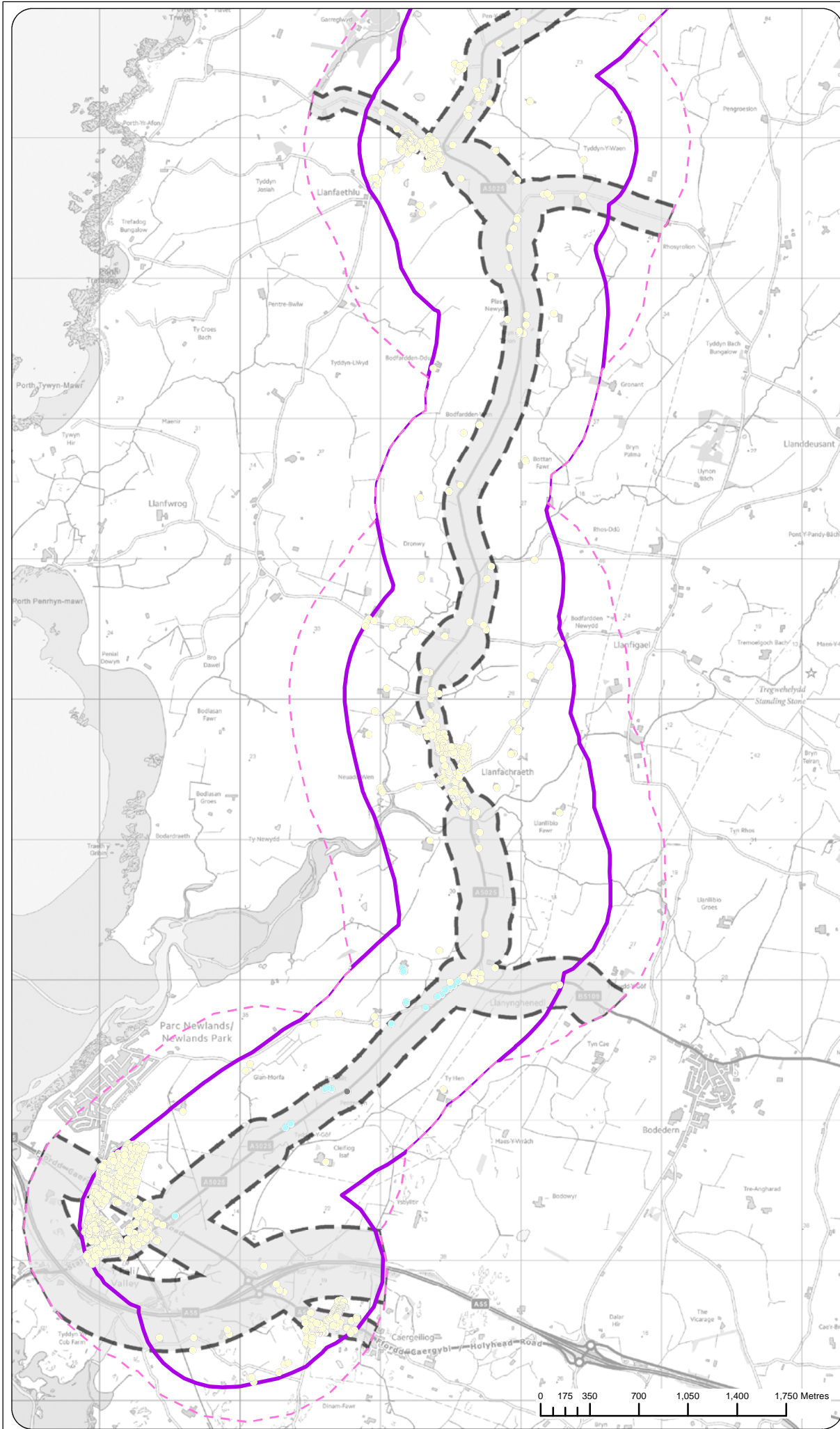
- <= -5.0 Large decrease in noise level
- 4.9 to -3.0 Medium decrease in noise level
- 2.9 to -1.0 Small decrease in noise level
- 0.9 to -0.1 Negligible decrease in noise level
- 0.0 No change
- 0.1 to 0.9 Negligible increase in noise level
- 1.0 to 2.9 Small increase in noise level
- 3.0 to 4.9 Medium increase in noise level
- >= 5.0 Large increase in noise level

Site Campus  
Power Station access road junction  
Section 7  
Section 5  
Section 3  
Section 1

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client						
Project						
WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
DAYTIME DO-MINIMUM 2020 VS. DO-MINIMUM 2033 A5025 OVERVIEW						
Scale @ A3			1:37,500		DO NOT SCALE	
Jacobs No.			60PO8077			
Client No.						
Drawing No.			60PO8077_DCO_VOL_C_05_18			

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.





### FIGURE C5-19

**Legend**

- Study area
- Calculation area
- Estimated 60 dB LAmax buffer

Noise change dBL<sub>Aeq,8hr</sub>

- Large decrease in noise level
- Medium decrease in noise level
- Small decrease in noise level
- Negligible decrease in noise level
- No change
- Negligible increase in noise level
- Small increase in noise level
- Medium increase in noise level
- Large increase in noise level

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client						
Project						
WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT						
Drawing Title						
NIGHT-TIME DO-MINIMUM 2020 VS. DO-MINIMUM 2033 A5025 OVERVIEW						
Scale @ A3	1:37,500					DO NOT SCALE
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_05_19					

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



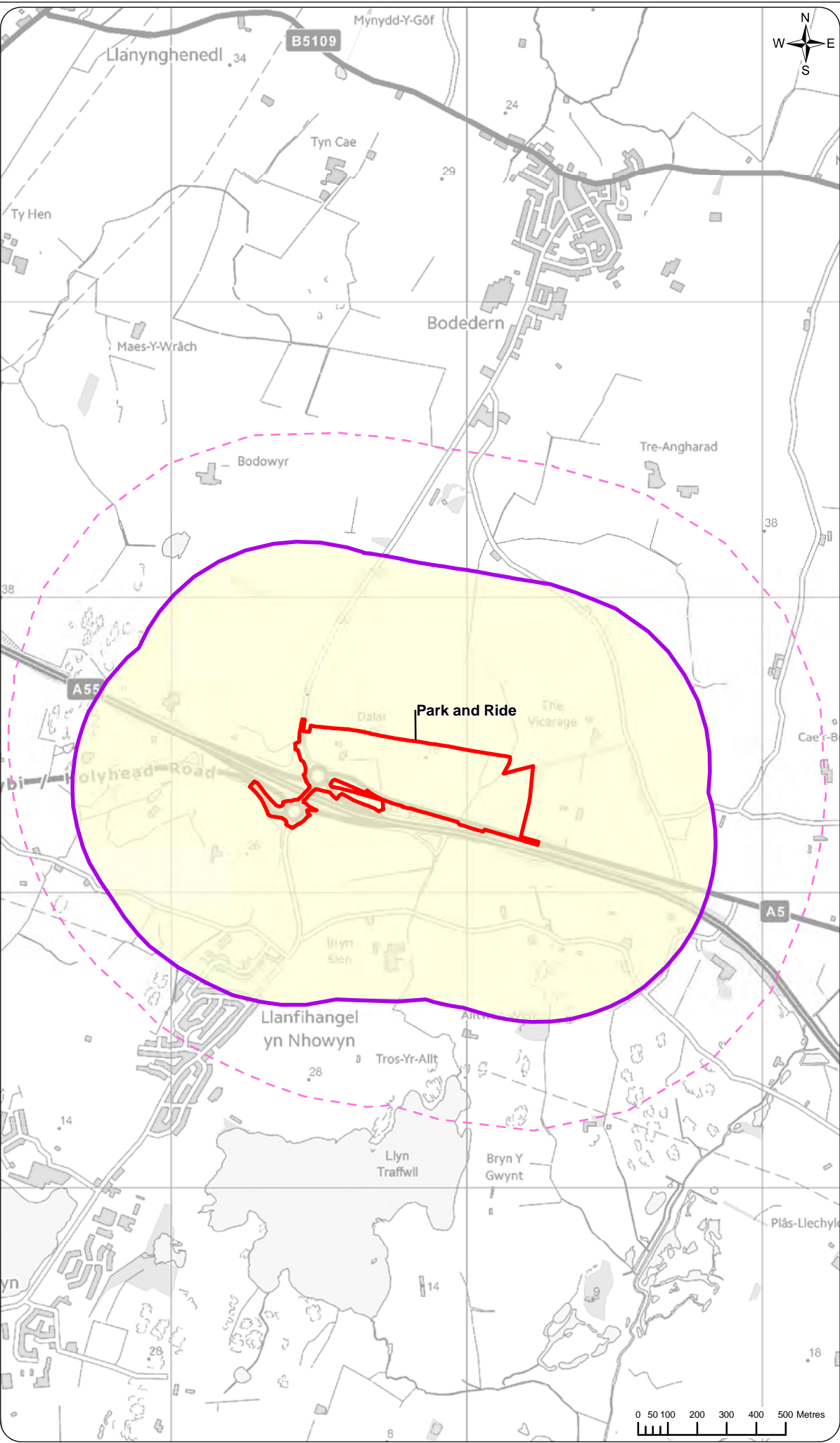
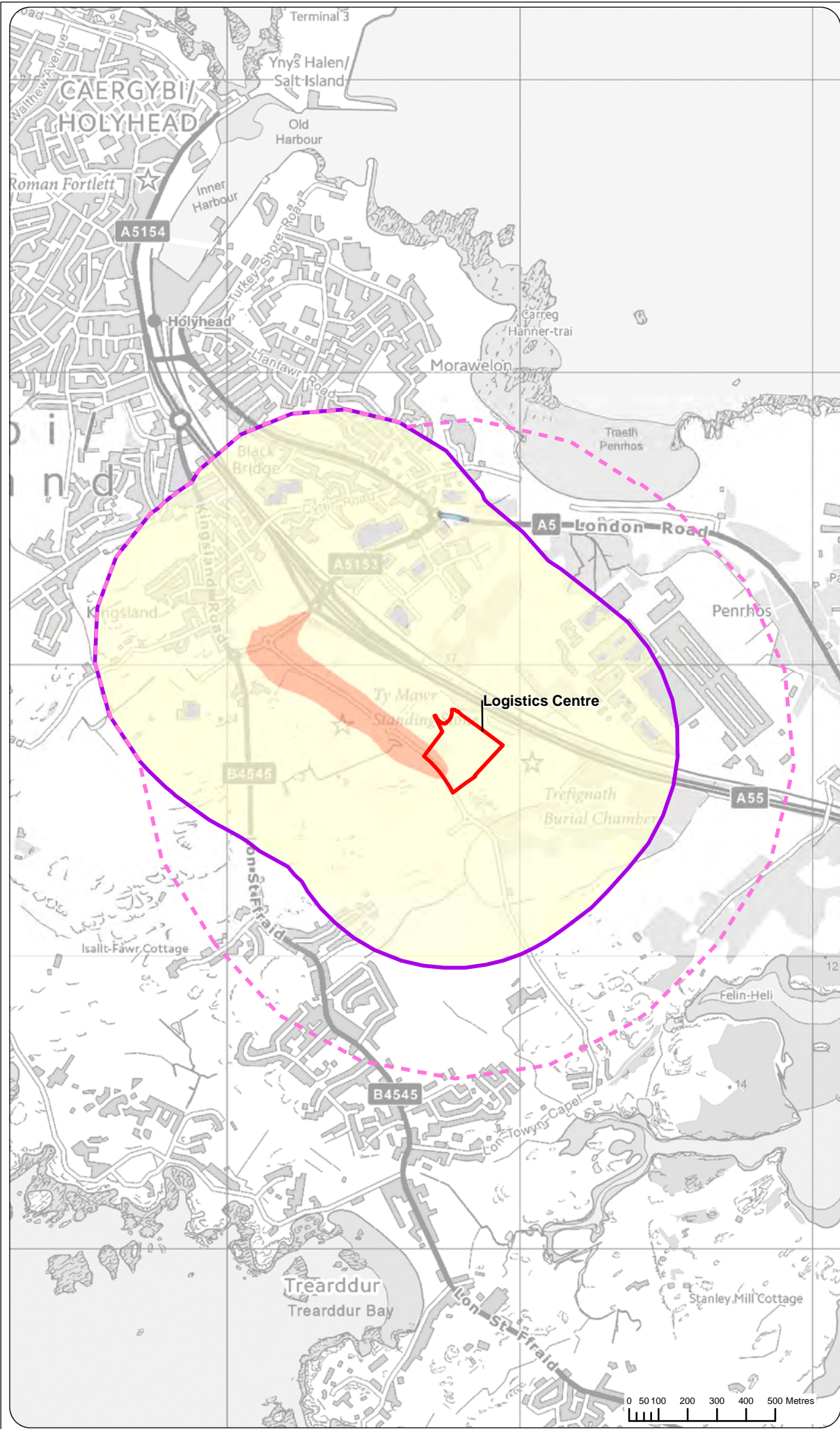


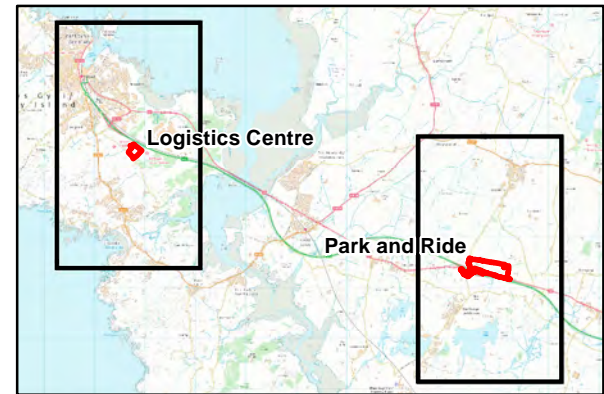
FIGURE C5-20


Legend

- Logistics Centre and Park and Ride
- Study area
- Calculation area

Noise change dB L<sub>A10,18hr</sub>

- <= -5.0 Large decrease in noise level
- 4.9 to -3.0 Medium decrease in noise level
- 2.9 to -1.0 Small decrease in noise level
- 0.9 to -0.1 Negligible decrease in noise level
- 0.0 No change
- 0.1 to 0.9 Negligible increase in noise level
- 1.0 to 2.9 Small increase in noise level
- 3.0 to 4.9 Medium increase in noise level
- >= 5.0 Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DAYTIME DO-MINIMUM 2020 VS. DO-SOMETHING 2033 LOGISTICS CENTRE AND PARK AND RIDE			
Scale @ A3	1:18,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.			60PO8077_DCO_VOL_C_05_20			
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



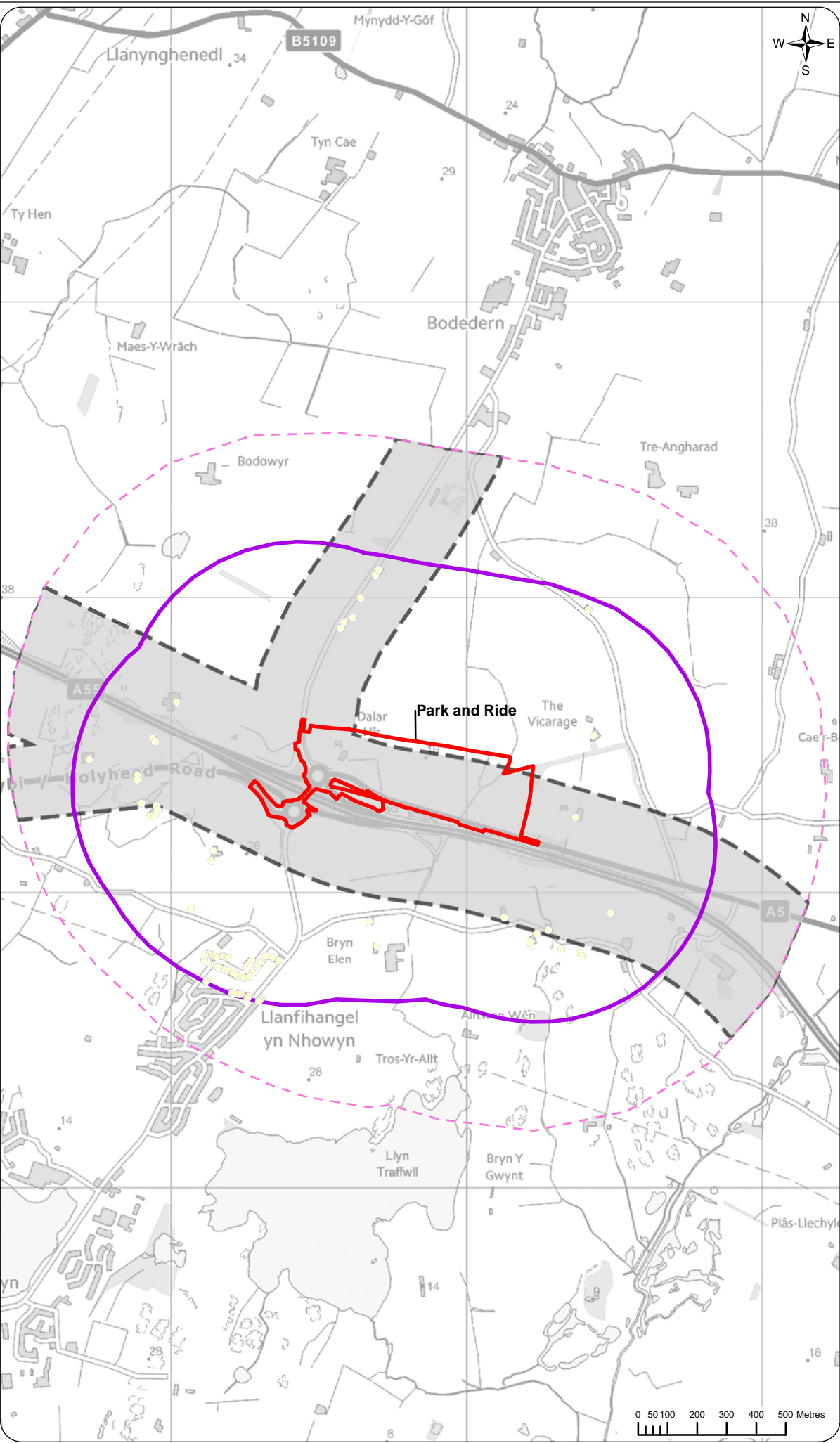
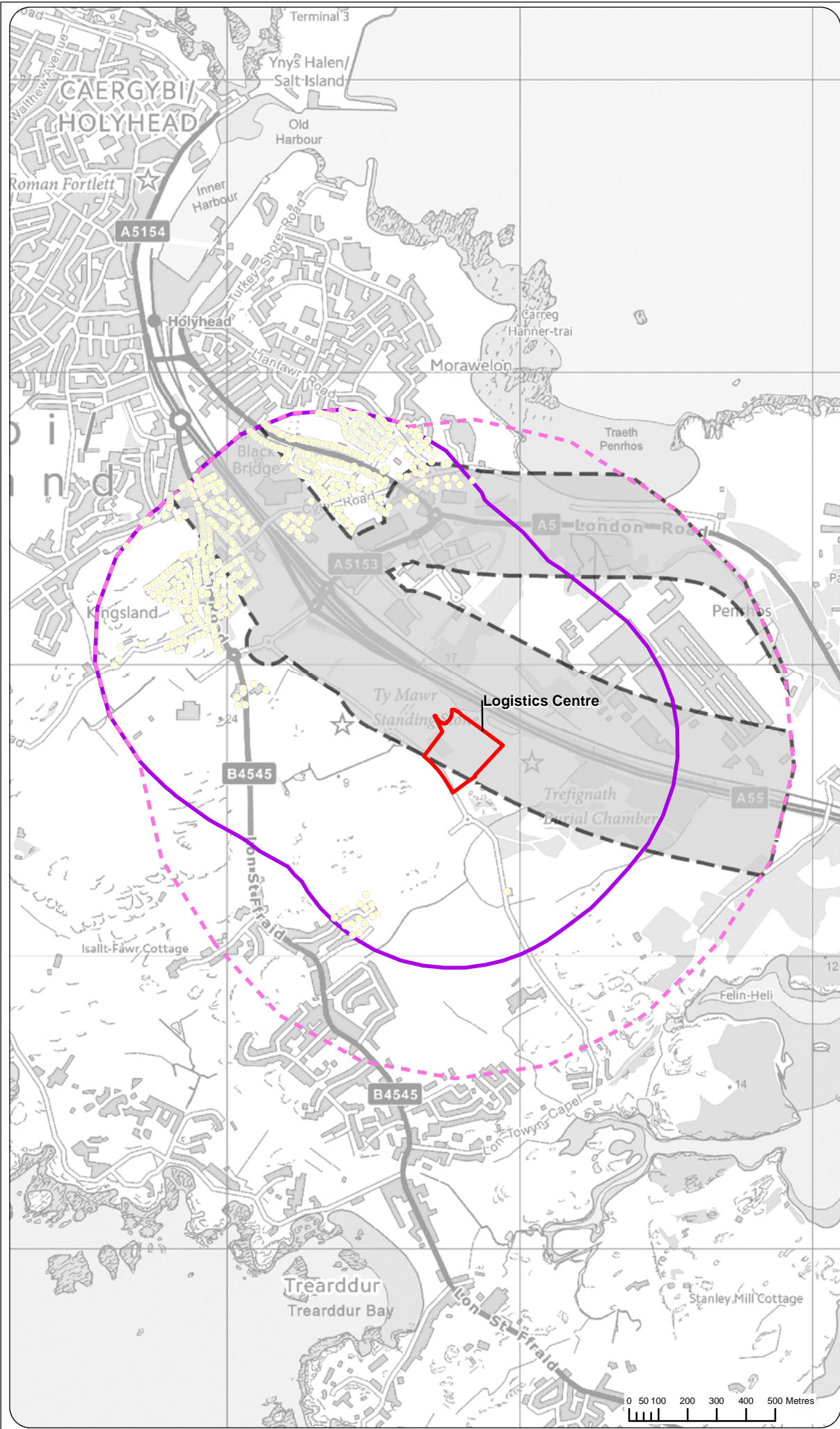
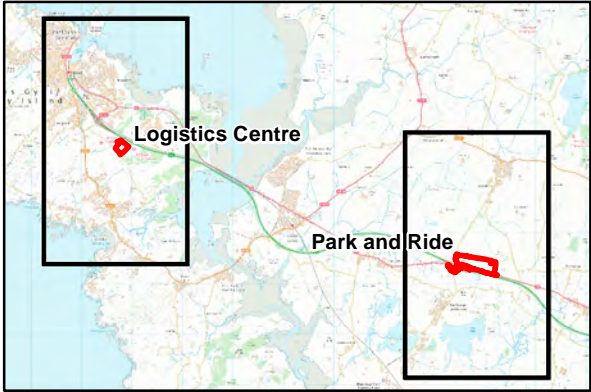


FIGURE C5-21

- Legend
- Logistics Centre and Park and Ride
  - Study area
  - Calculation area
  - Estimated 60 dB LAeq,8hr
- Noise change dB LAeq,8hr
- Large decrease in noise level
  - Medium decrease in noise level
  - Small decrease in noise level
  - Negligible decrease in noise level
  - No change
  - Negligible increase in noise level
  - Small increase in noise level
  - Medium increase in noise level
  - Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<b>HORIZON</b> NUCLEAR POWER			
Project			WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			NIGHT-TIME DO-MINIMUM 2020 VS. DO-SOMETHING 2033 LOGISTICS CENTRE AND PARK AND RIDE			
Scale @ A3	1:18,000		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_05_21					



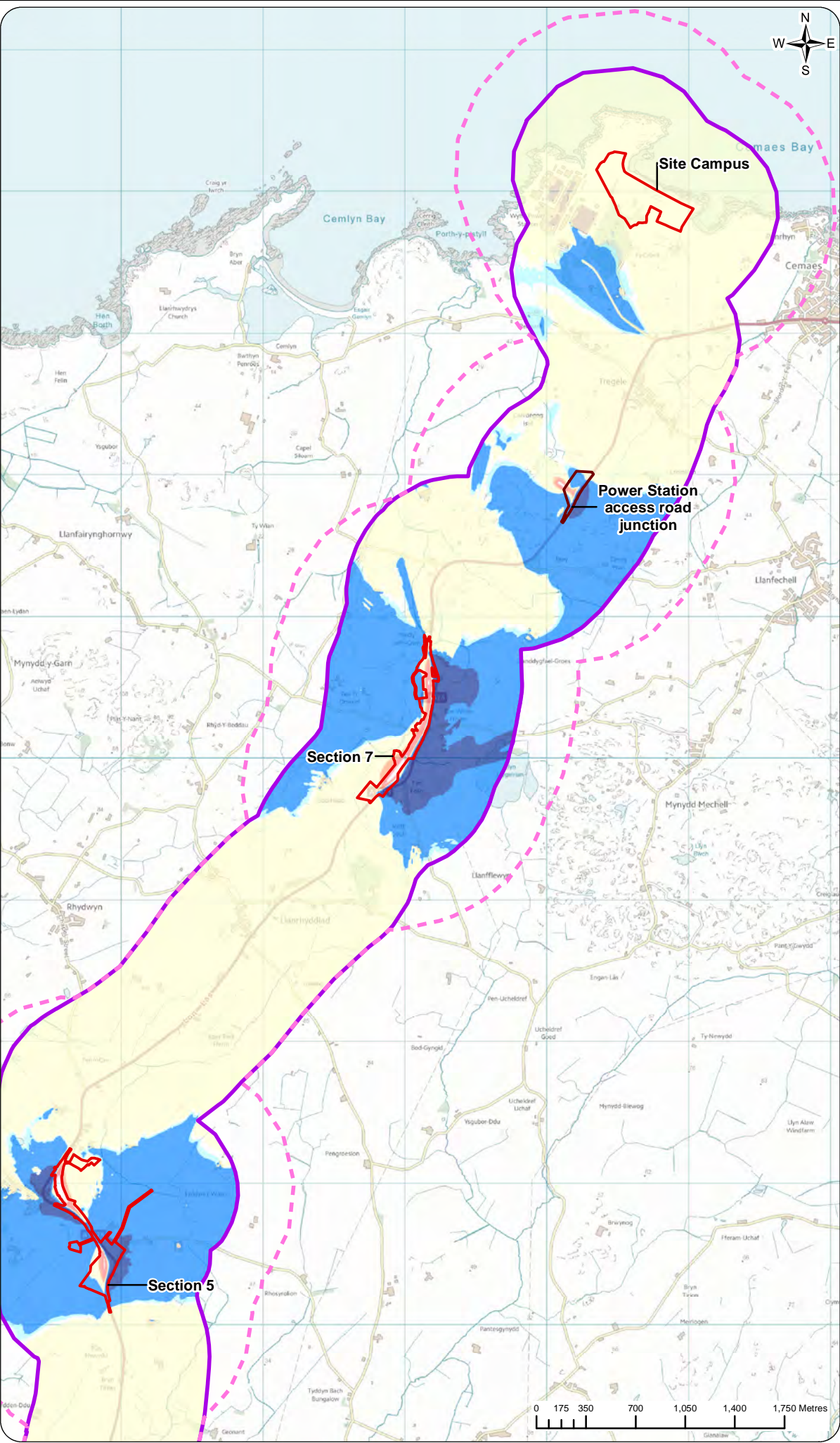
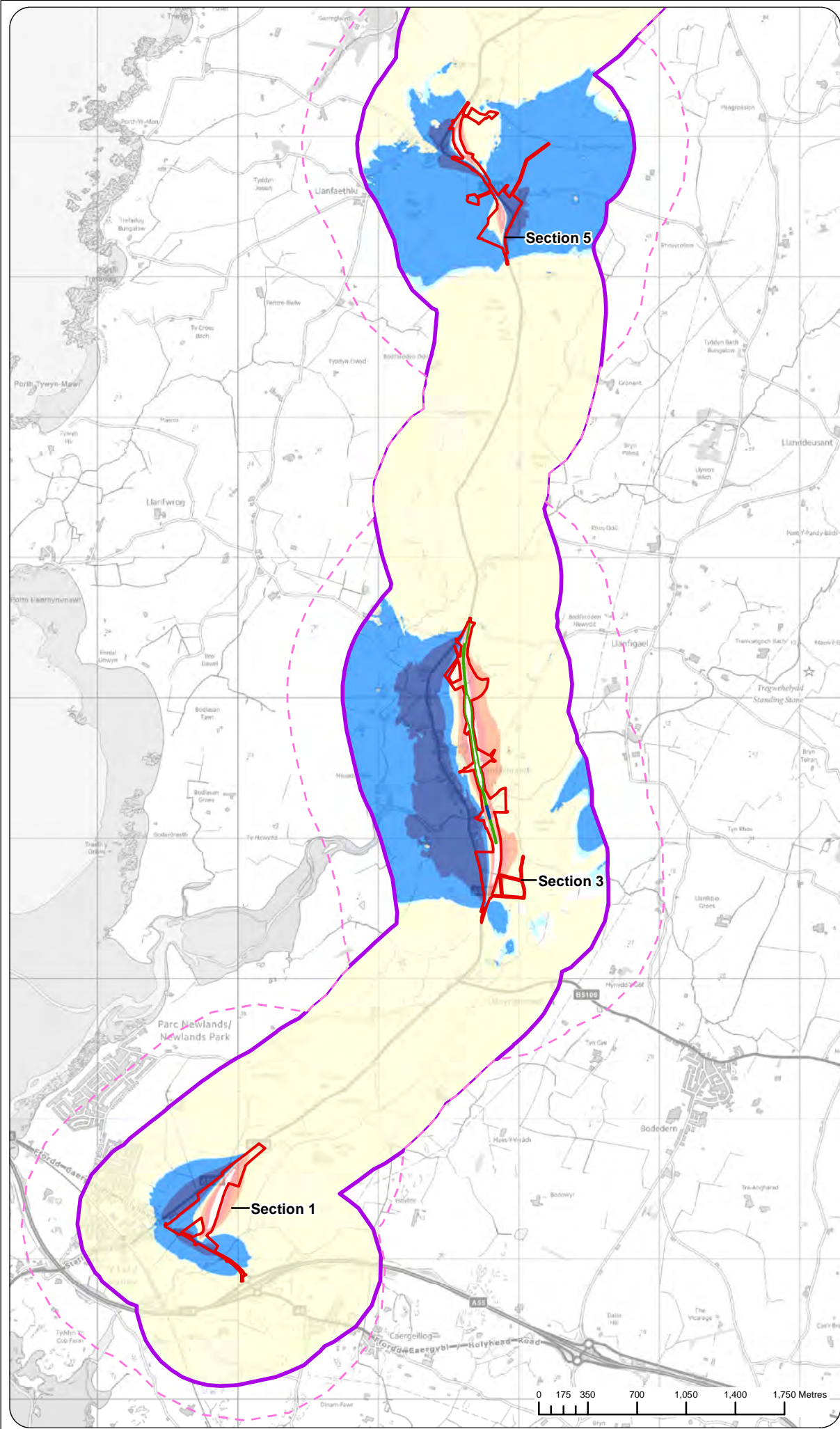


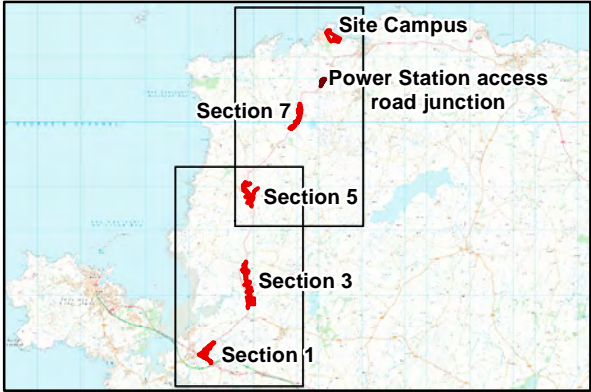
FIGURE C5-22

Legend

- Site Campus and A5025 Off-line Highway Improvements
- Work package 1J
- Study area
- Calculation area
- Proposed noise barrier
- Proposed noise barrier 1m high

Noise change dBL<sub>A10,18hr</sub>

- <= -5.0 Large decrease in noise level
- 4.9 to -3.0 Medium decrease in noise level
- 2.9 to -1.0 Small decrease in noise level
- 0.9 to -0.1 Negligible decrease in noise level
- 0.0 No change
- 0.1 to 0.9 Negligible increase in noise level
- 1.0 to 2.9 Small increase in noise level
- 3.0 to 4.9 Medium increase in noise level
- >= 5.0 Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<b>HORIZON</b> NUCLEAR POWER			
Project			WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			DAYTIME DO-MINIMUM 2020 VS. DO-SOMETHING 2033 A5025 OVERVIEW			
Scale @ A3	1:37,500		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_05_22					



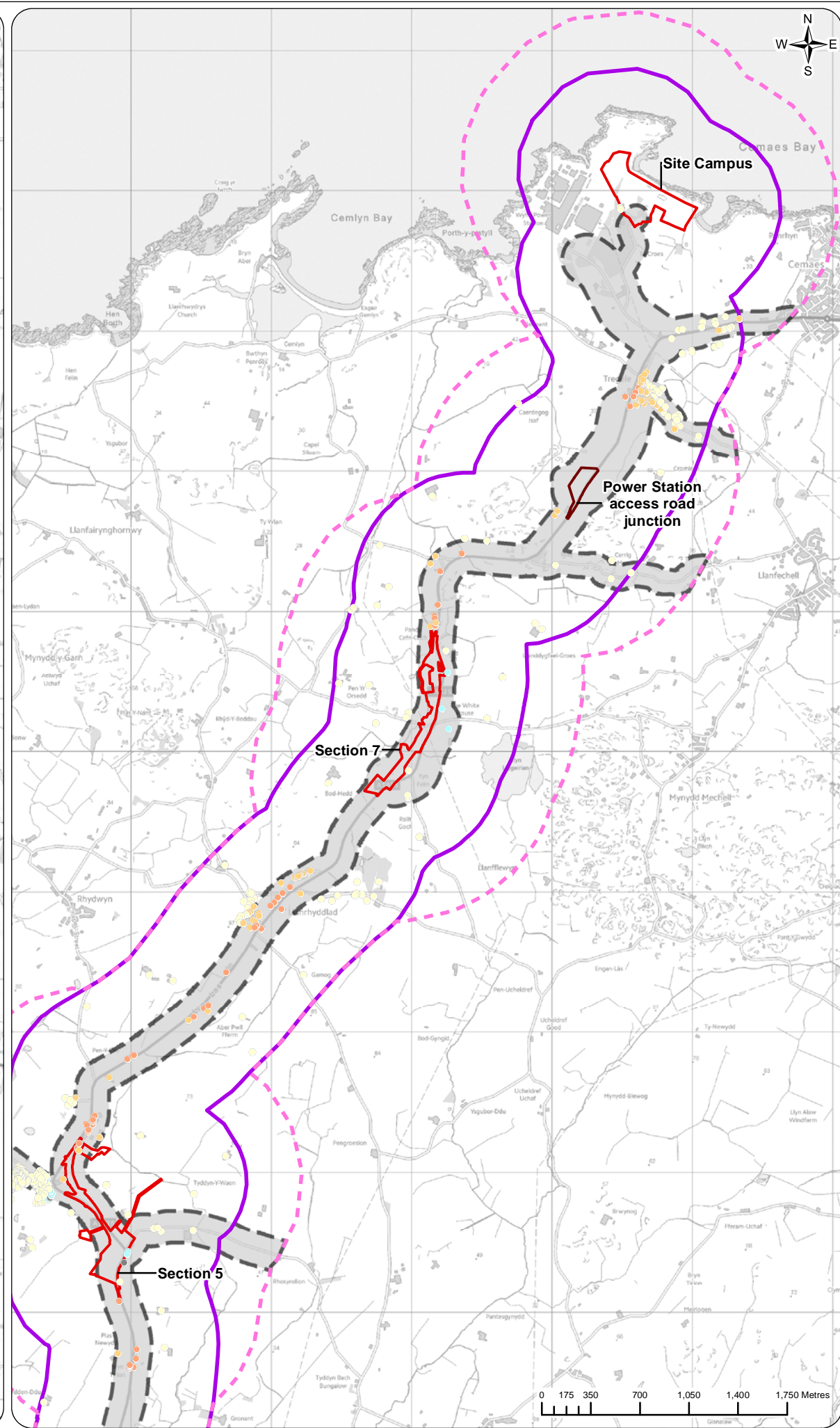
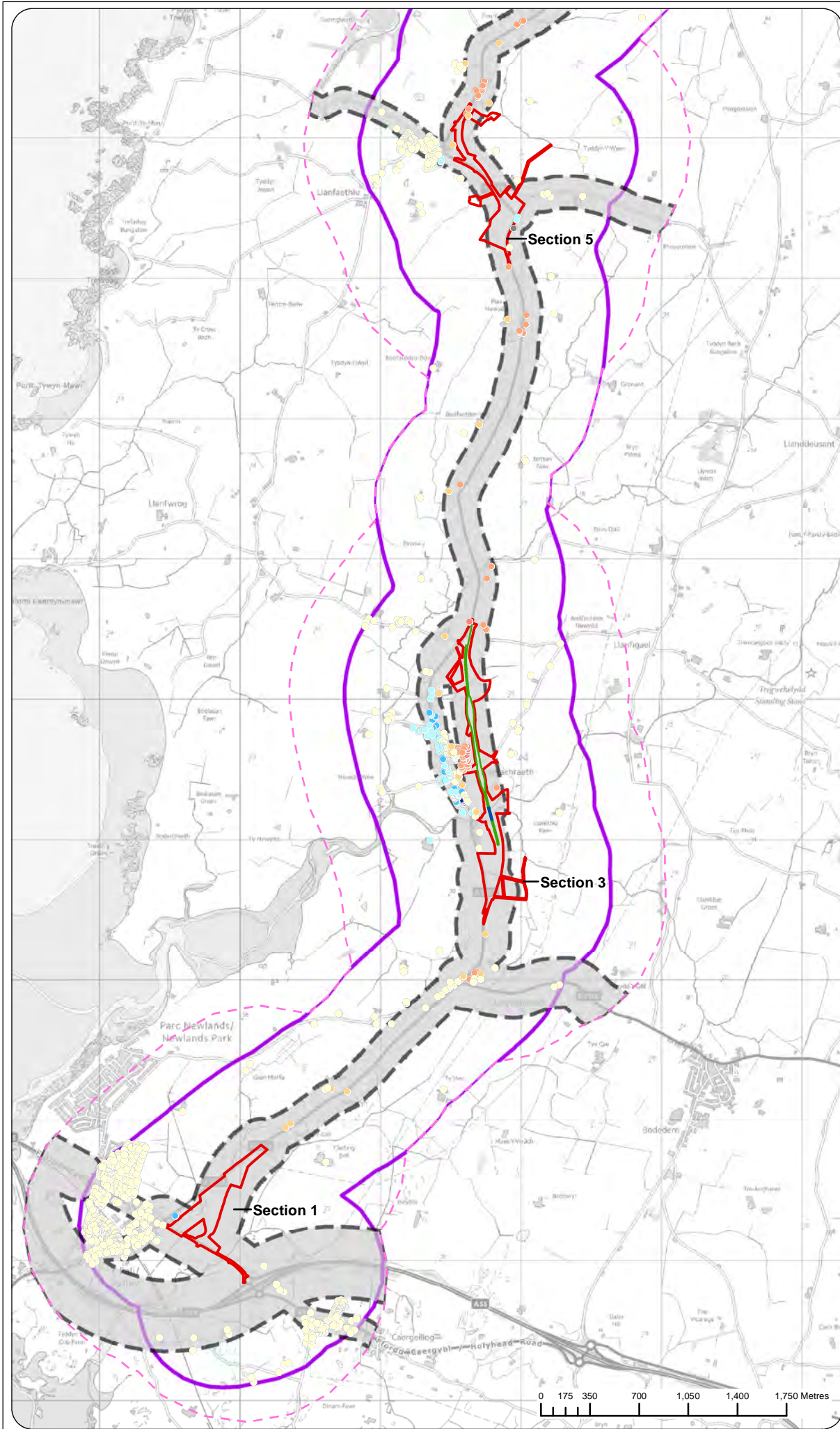


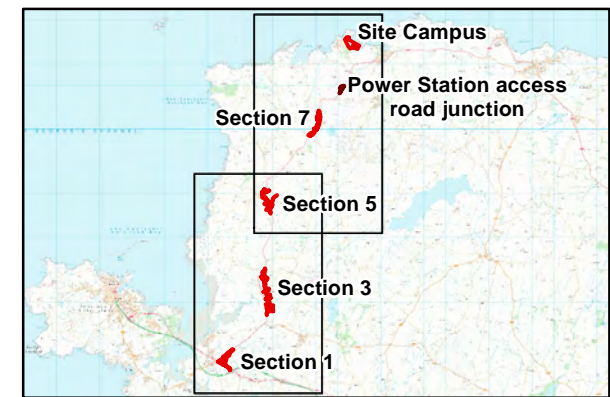
FIGURE C5-23

Legend

- Site Campus and A5025 Off-line Highway Improvements
- Work package 1J
- Study area
- Calculation area
- Estimated 60 dB LAmax Buffer
- Proposed noise barrier
- Proposed noise barrier 1m high

Noise change dB LAeq,8hr

- Large decrease in noise level
- Medium decrease in noise level
- Small decrease in noise level
- Negligible decrease in noise level
- No change
- Negligible increase in noise level
- Small increase in noise level
- Medium increase in noise level
- Large increase in noise level



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<b>HORIZON</b> NUCLEAR POWER			
Project			WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			NIGHT-TIME DO-MINIMUM 2020 VS. DO-SOMETHING 2033 A5025 OVERVIEW			
Scale @ A3	1:37,500		DO NOT SCALE			
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_05_23					



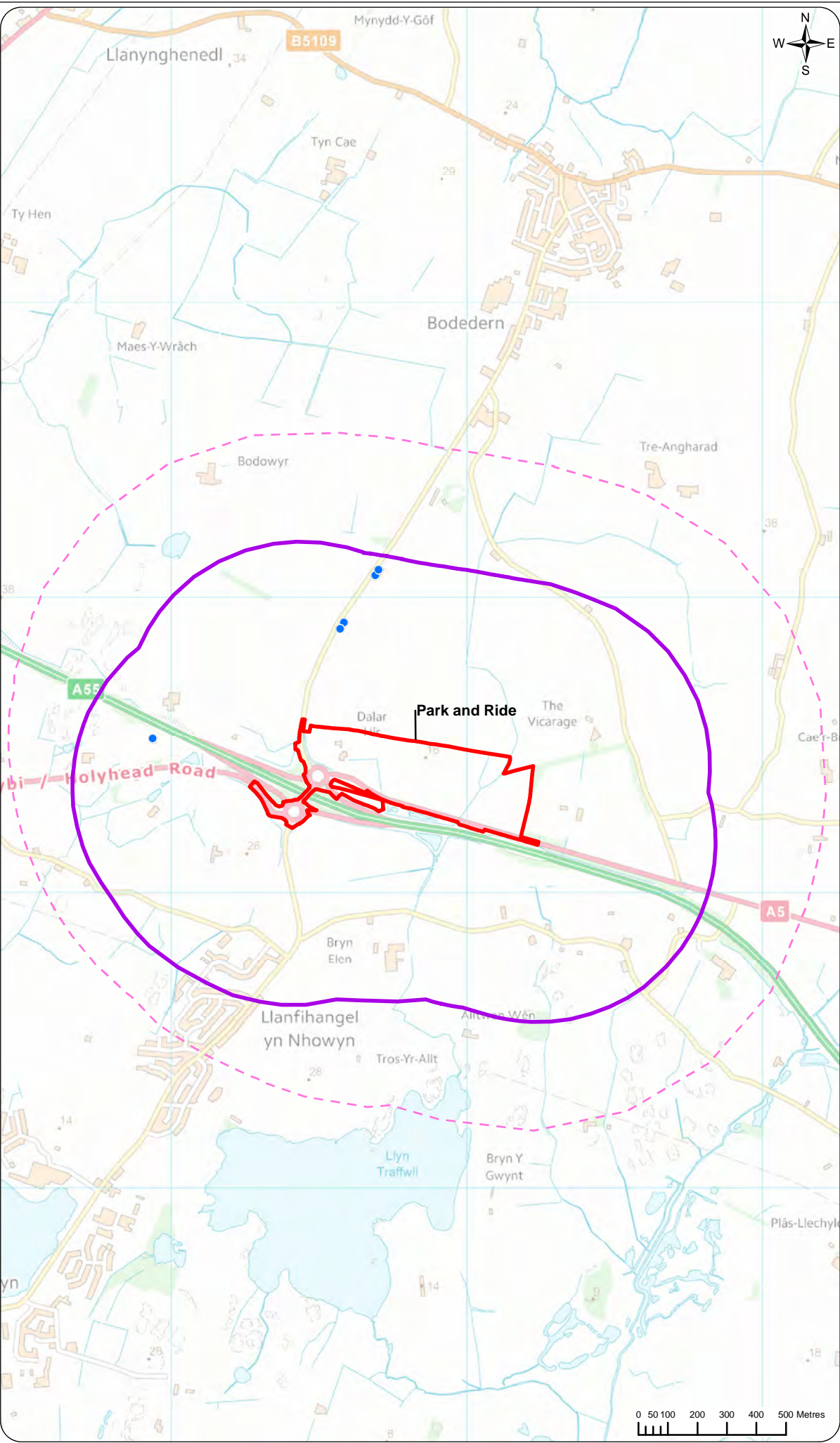
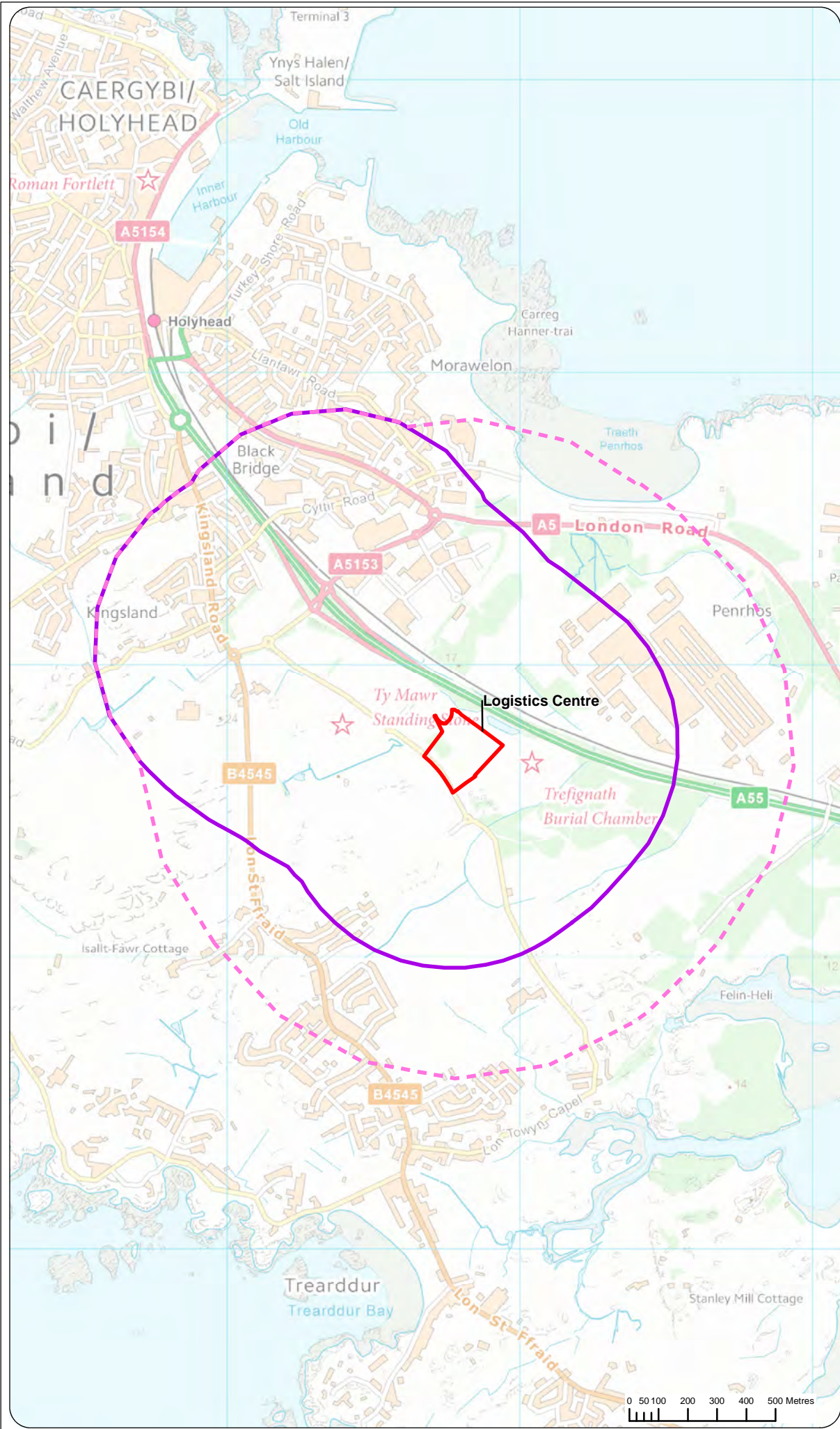
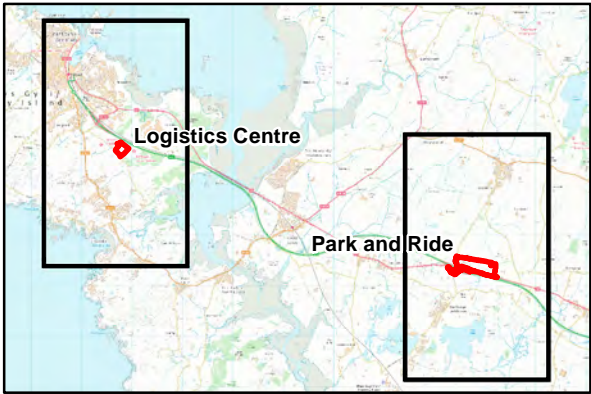


FIGURE C5-24

- Legend
- Logistics Centre and Park and Ride
  - Study area
  - Calculation area
  - Residential receptor estimated to be eligible for noise insulation



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'r'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATIONS OF RESIDENTIAL RECEPTORS ESTIMATED TO BE ELIGIBLE FOR NOISE INSULATION LOGISTICS CENTRE AND PARK AND RIDE			
Scale @ A3	1:18,000			DO NOT SCALE		
Jacobs No.	60PO8077					
Client No.						
Drawing No.	60PO8077_DCO_VOL_C_05_24					
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



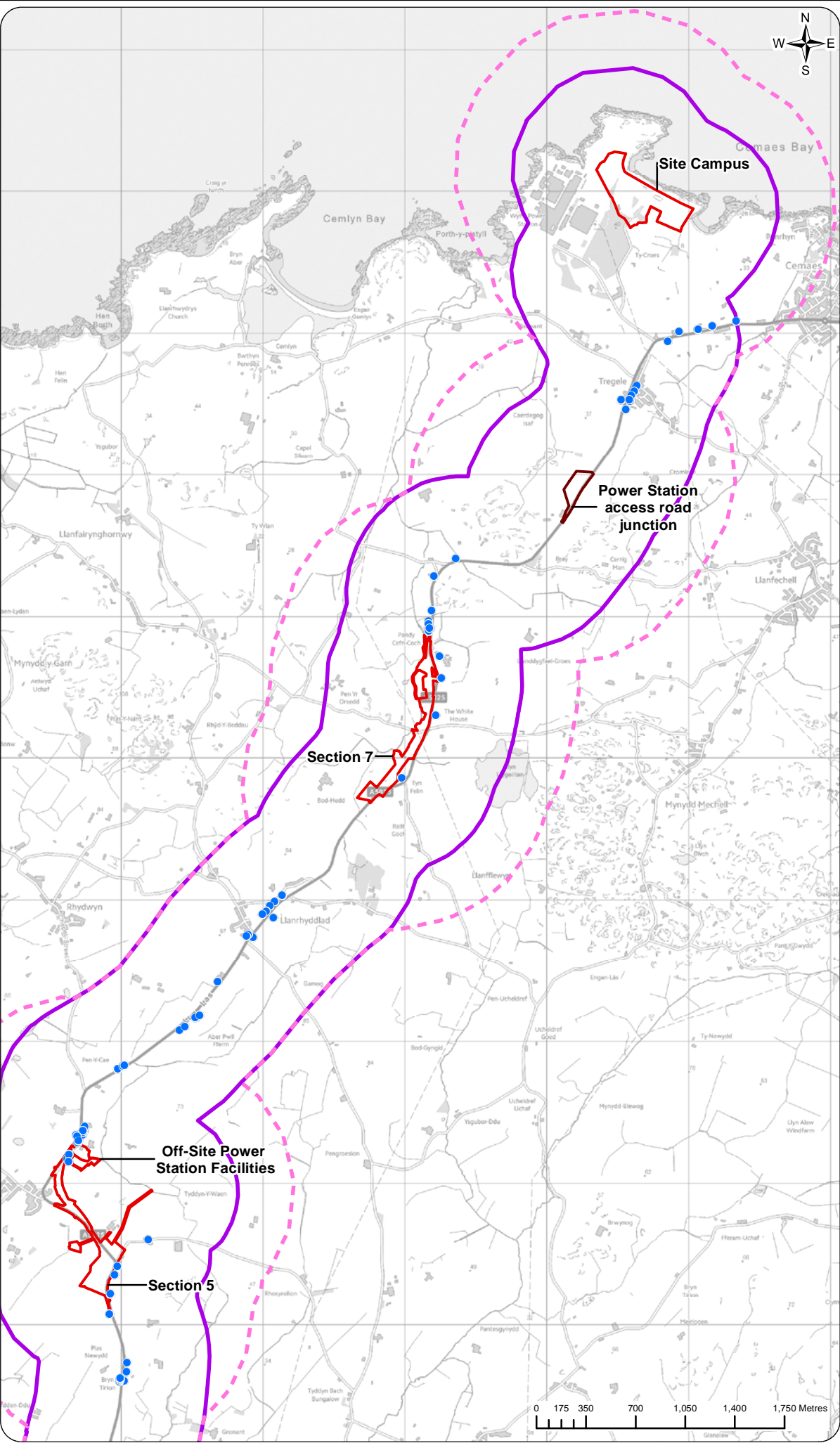
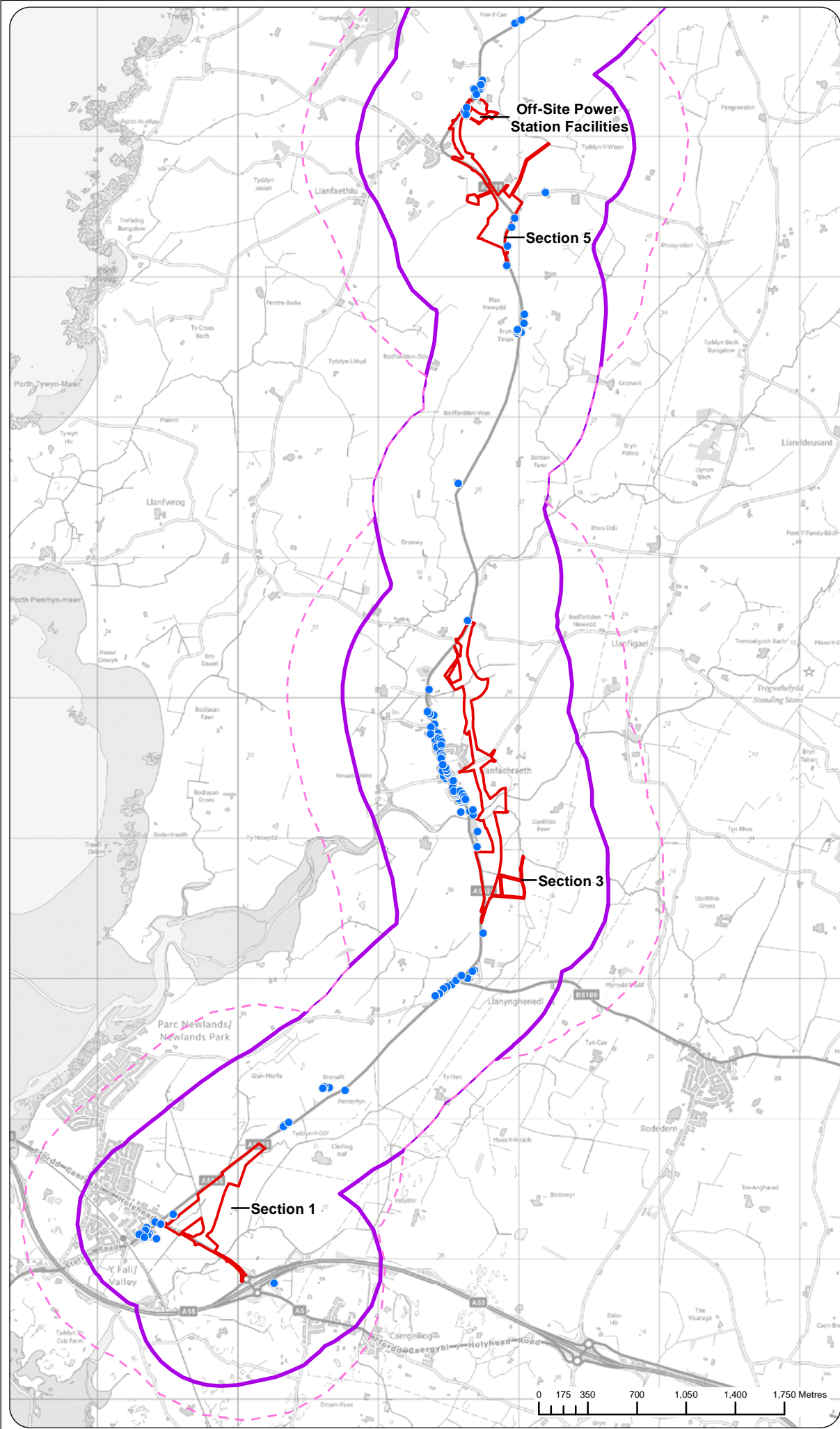
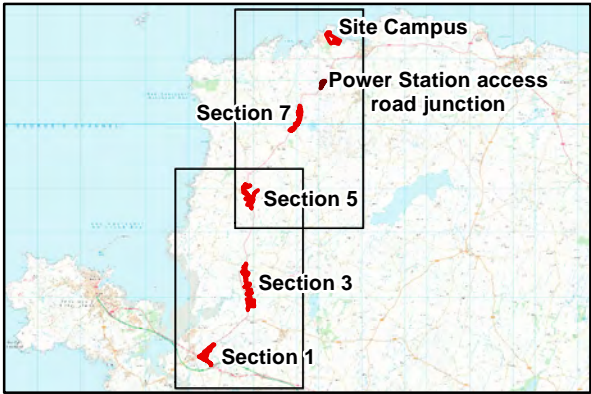


FIGURE C5-25

- Legend
- Site Campus and A5025 Off-line Highway Improvements and Off-Site Power Station Facilities
  - Work package 1J
  - Study area
  - Calculation area
  - Residential receptor estimated to be eligible for noise insulation



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client			<div><div>HORIZON</div><div>NUCLEAR POWER</div></div>			
Project			WYLFA NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATIONS OF RESIDENTIAL RECEPTORS ESTIMATED TO BE ELIGIBLE FOR NOISE INSULATION A5025 OVERVIEW			
Scale @ A3		1:37,500	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_VOL_C_05_25				



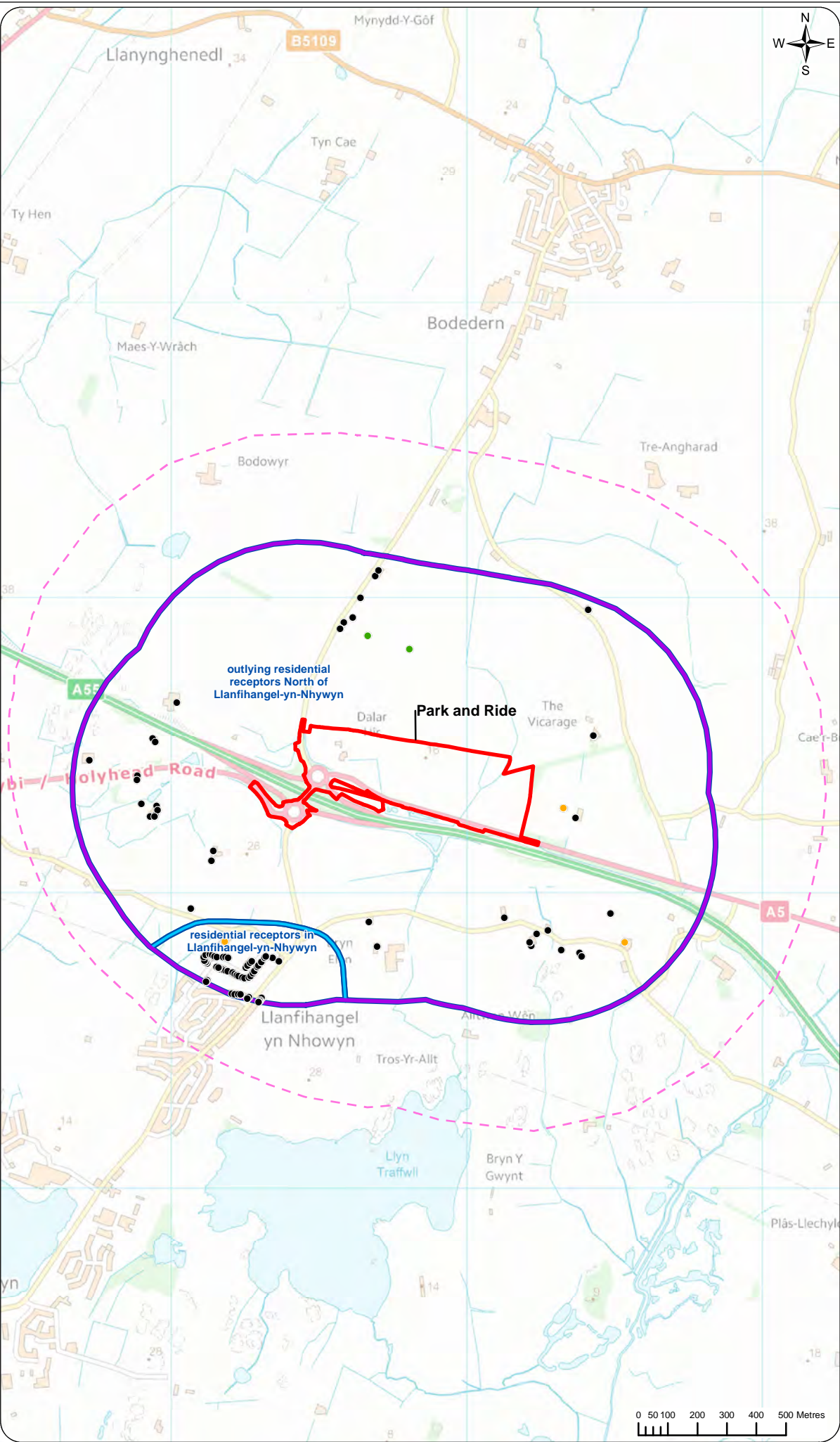
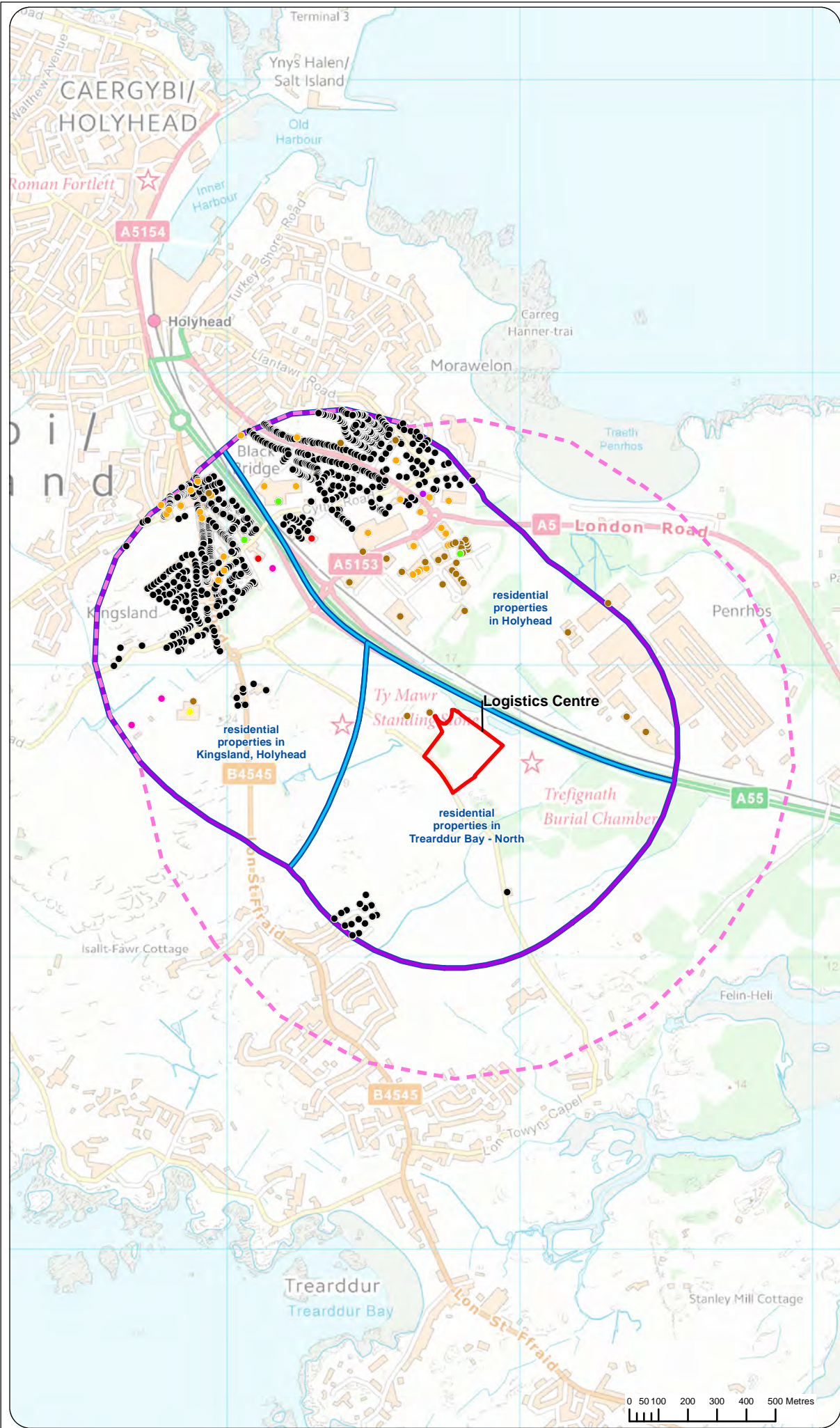


FIGURE C5-26

Legend

- Logistics Centre and Park and Ride
- Study area
- Calculation area
- Receptor Grouping

Noise receptor type

- Office
- Commercial
- Community
- Industrial
- Outdoor amenity
- Place of worship
- Residential
- School
- Public Right of Way

1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Client			<b>HORIZON</b> NUCLEAR POWER			
Project			WYLF A NEWYDD PROJECT ENVIRONMENTAL STATEMENT			
Drawing Title			LOCATIONS OF GEOGRAPHIC AREAS AND RESIDENTIAL RECEPTOR GROUPINGS LOGISTICS CENTRE AND PARK AND RIDE			
Scale @ A3		1:18,000	DO NOT SCALE			
Jacobs No.		60PO8077				
Client No.						
Drawing No.		60PO8077_DCO_VOL_C_05_26				

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.



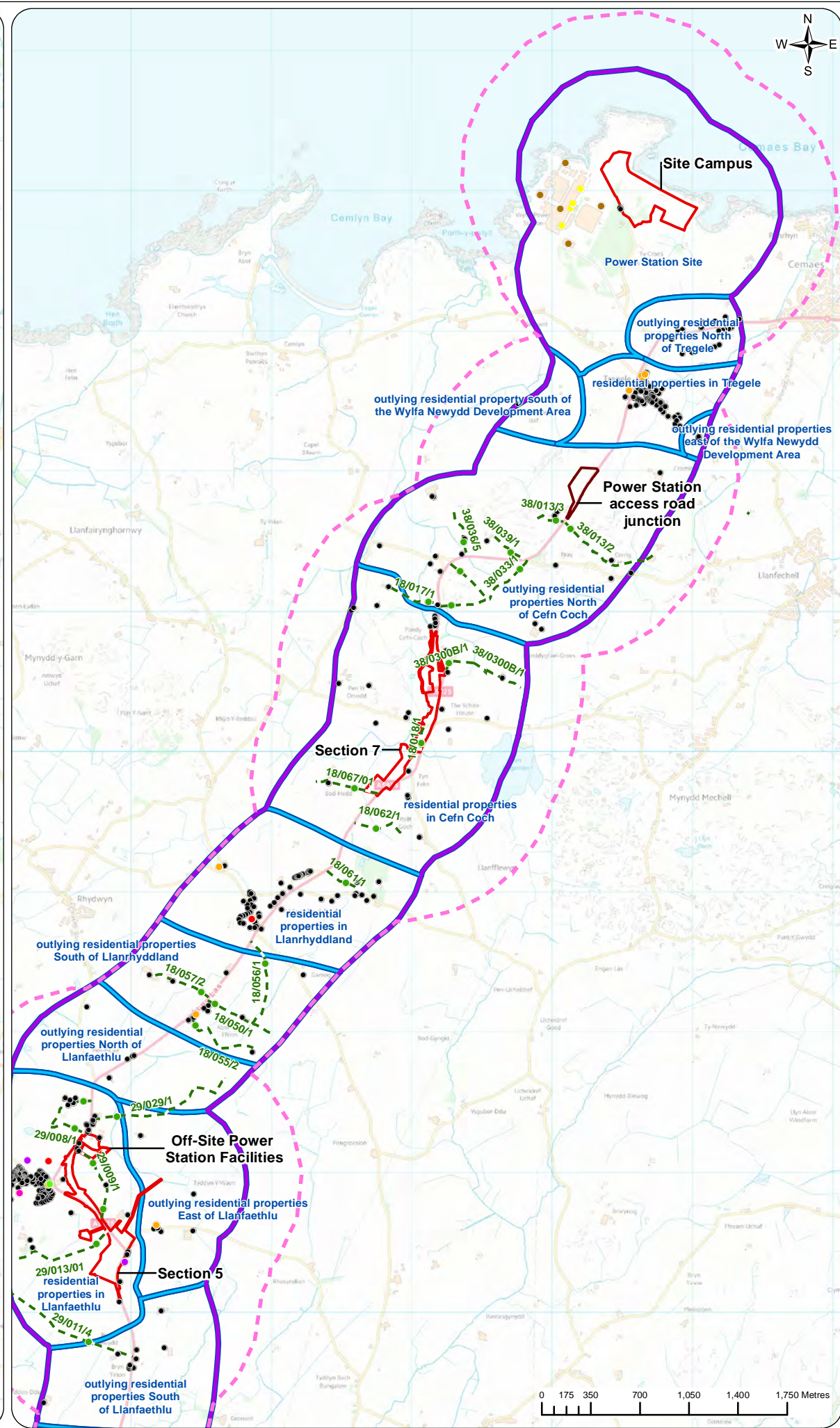
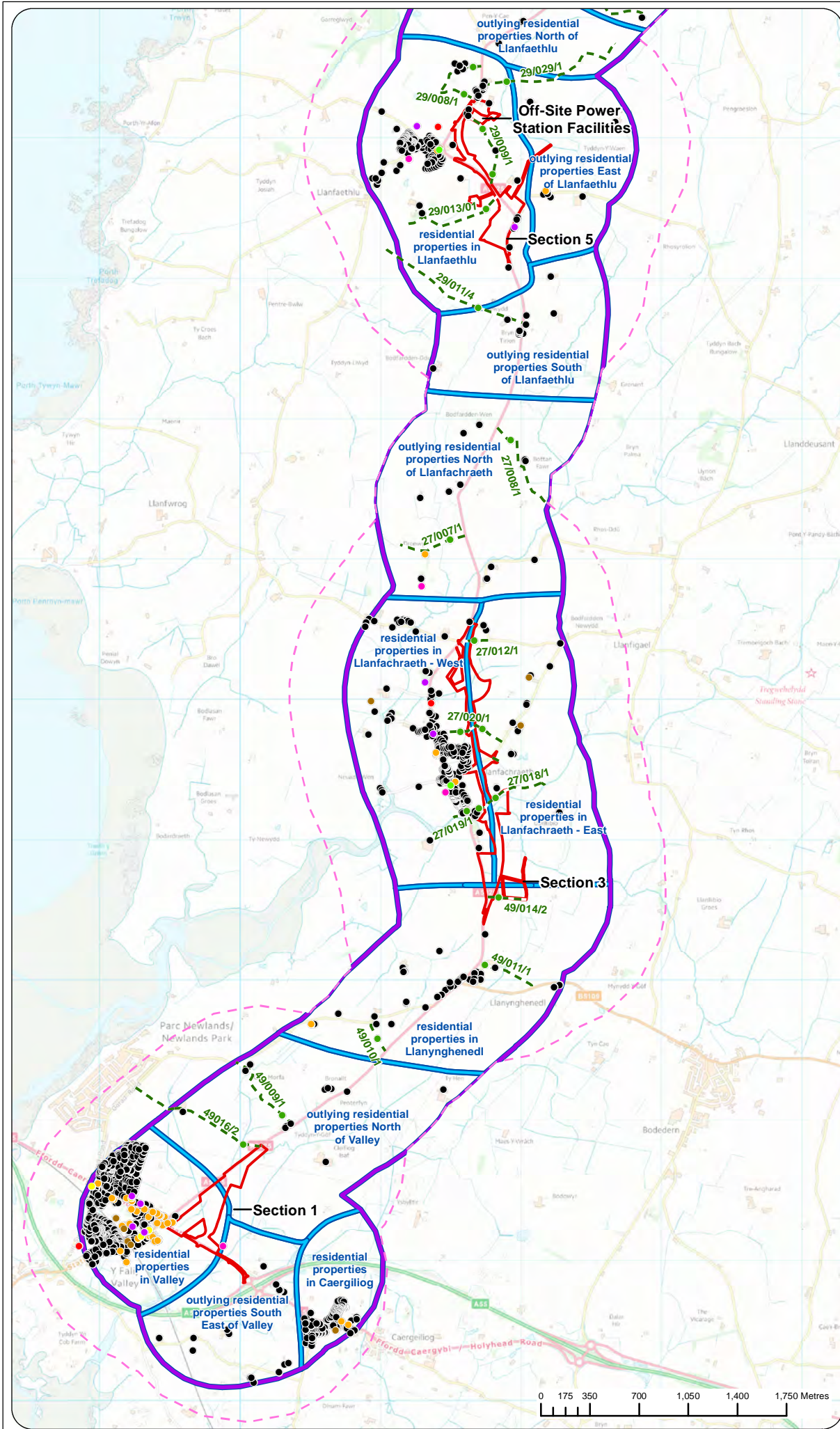


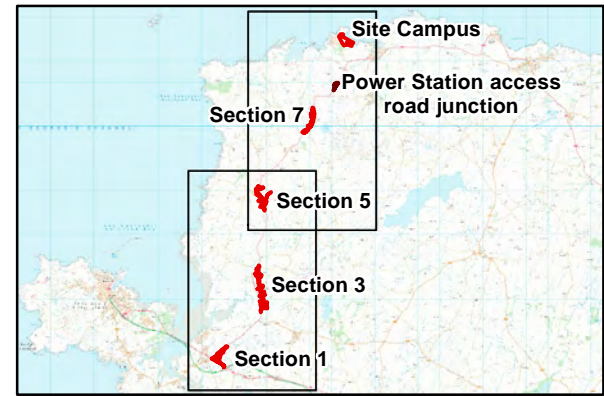
FIGURE C5-27

Legend

- Site Campus and A5025 Off-line Highway Improvements and Off-Site Power Station Facilities
- Work package 1J
- Study area
- Calculation area
- Receptor Grouping
- Public Rights of Way

Noise receptor type

- Office
- Commercial
- Community
- Industrial
- Outdoor amenity
- Place of worship
- Residential
- School
- Public Right of Way



1.0	MAR 18	DCO submission	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
Client						
Project						
Drawing Title						
Scale @ A3						
Jacobs No.						
Client No.						
Drawing No.						
DO NOT SCALE						
60PO8077						
60PO8077_DCO_VOL_C_05_27						
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						