

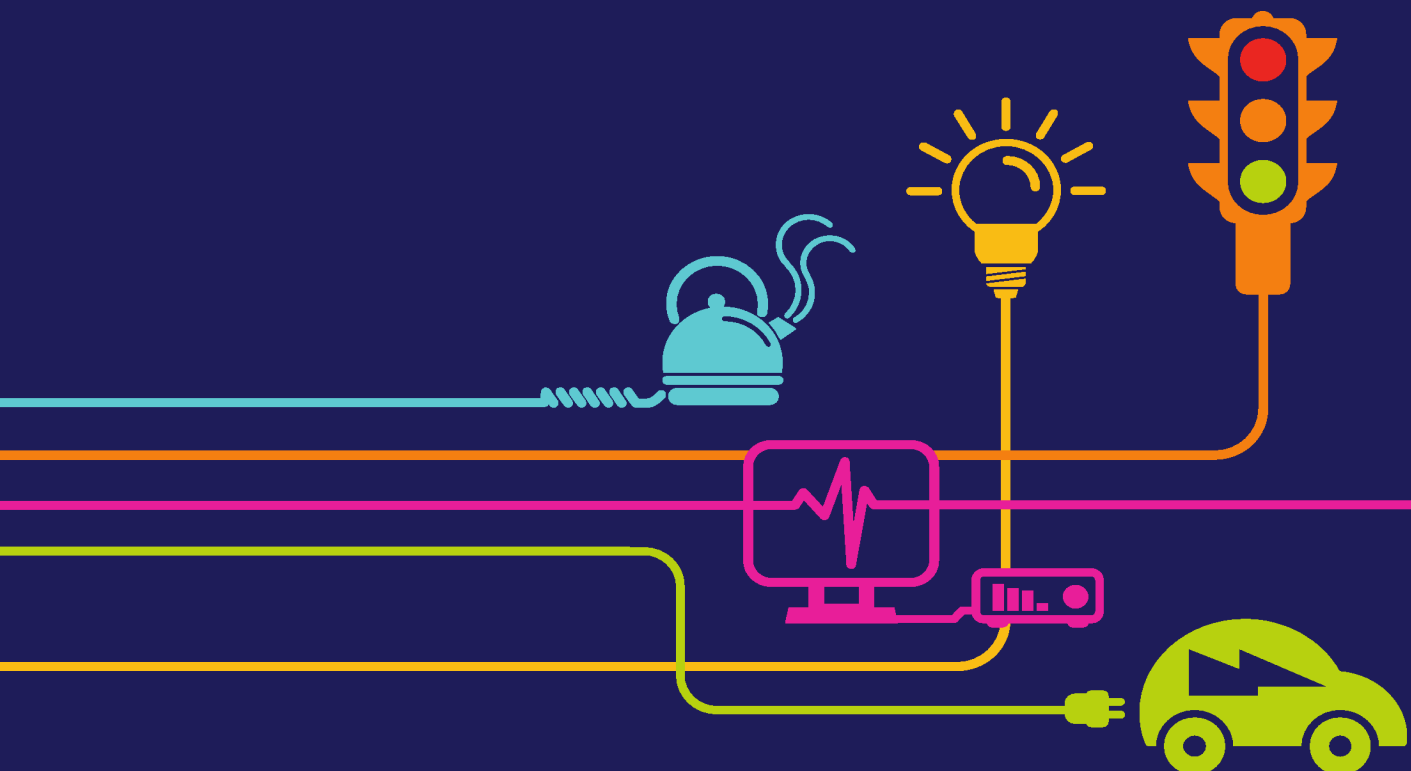
DOCUMENT 5.3.2.2

Indicative Watercourse Crossing Schedule

Chapter 3 – Appendix 2

National Grid (North Wales Connection Project)

Regulation 5(2)(a) including (l) and (m) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009





North Wales Connection Project

Volume 5

Document 5.3.2.2 Appendix 3.2 Indicative Watercourse Crossing Schedule

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Final September 2018

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1 Indicative Watercourse Crossing Schedule

1.1.1 Table 1 lists the access track crossings of watercourses during construction and details whether the crossing would be a bridge or a culvert. These crossing locations are shown on Figure 1. Figure 1 also shows the watercourse crossing locations of the 4AP and 4ZA OHL alignments.

Table 1 Indicative Watercourse Crossing Schedule – Access Tracks			
Crossing Reference	Watercourse Type	Name	Crossing Type
Section A			
NG-RVX A/32	River	Foel Fawr	Bridge
NG-RVX A/37	River	Cromlech	Bridge (existing)
NG-DRX A/44	Drain	Unnamed	Culvert
NG-DRX A/45	Drain	Unnamed	Culvert
NG-RVX A/48	River	Maddanen	Bridge
NG-RVX A/51	River	Maddanen	Bridge
NG-RVX A/55	River	Maddanen	Bridge (existing)
NG-DRX A/64	Drain	Unnamed	Culvert
NG-DRX B/79	Drain	Unnamed	Culvert
NG-DRX B/80	Drain	Unnamed	Culvert
NG-DRX A/67	Drain	Unnamed	Culvert
NG-DRX A/69	Drain	Unnamed	Culvert
NG-RVX A/70	Drain	Unnamed	Bridge
NG-DRX A/72	Drain	Unnamed	Culvert
NG-DRX A/73	Drain	Unnamed	Culvert
Section B			
NG-DRX B/78	Drain	Unnamed	Culvert

Table 1 Indicative Watercourse Crossing Schedule – Access Tracks

Crossing Reference	Watercourse Type	Name	Crossing Type
NG-DRX B/89	Drain	Unnamed	Culvert
NG-STRX B/94	River	Glasgraig Fawr	Bridge
NG-DRX B/106	Drain	Unnamed	Culvert
NG-DRX B/107	Drain	Unnamed	Culvert
NG-DRX B/108	Drain	Unnamed	Culvert
NG-DRX B/109	Drain	Unnamed	Culvert
NG-DRX B/120	Drain	Unnamed	Culvert
NG-DRX B/121	Drain	Unnamed	Culvert
NG-RVX B/124	River	Llandyfrydog	Bridge
NG-RVX B/135	River	Llandyfrydog	Bridge
Section C			
NG-DRX C/126	Drain	Unnamed	Culvert
NG-RVX C/129	River	Ynys Fawr	Bridge
NG-DRX C/154	Drain	Unnamed	Culvert
NG-DRX C/155	Drain	Unnamed	Culvert
NG-RVX C/156	River	Erddreiniog	Bridge
NG-DRX C/165	Drain	Unnamed	Culvert
NG-RVX C/166	River	Clai	Bridge
NG-DRX C/168	Drain	Unnamed	Culvert
NG-DRX C/180	Drain	Unnamed	Culvert
Section D			
NG-DRX C/183	Drain	Unnamed	Culvert
NG-DRX C/190	Drain	Unnamed	Culvert
NG-DRX D/192	Drain	Unnamed	Bridge
NG-DRX D/193	Drain	Unnamed	Bridge
NG-DRX D/194	Drain	Unnamed	Culvert
NG-RVX D/196	River	Glyched	Bridge

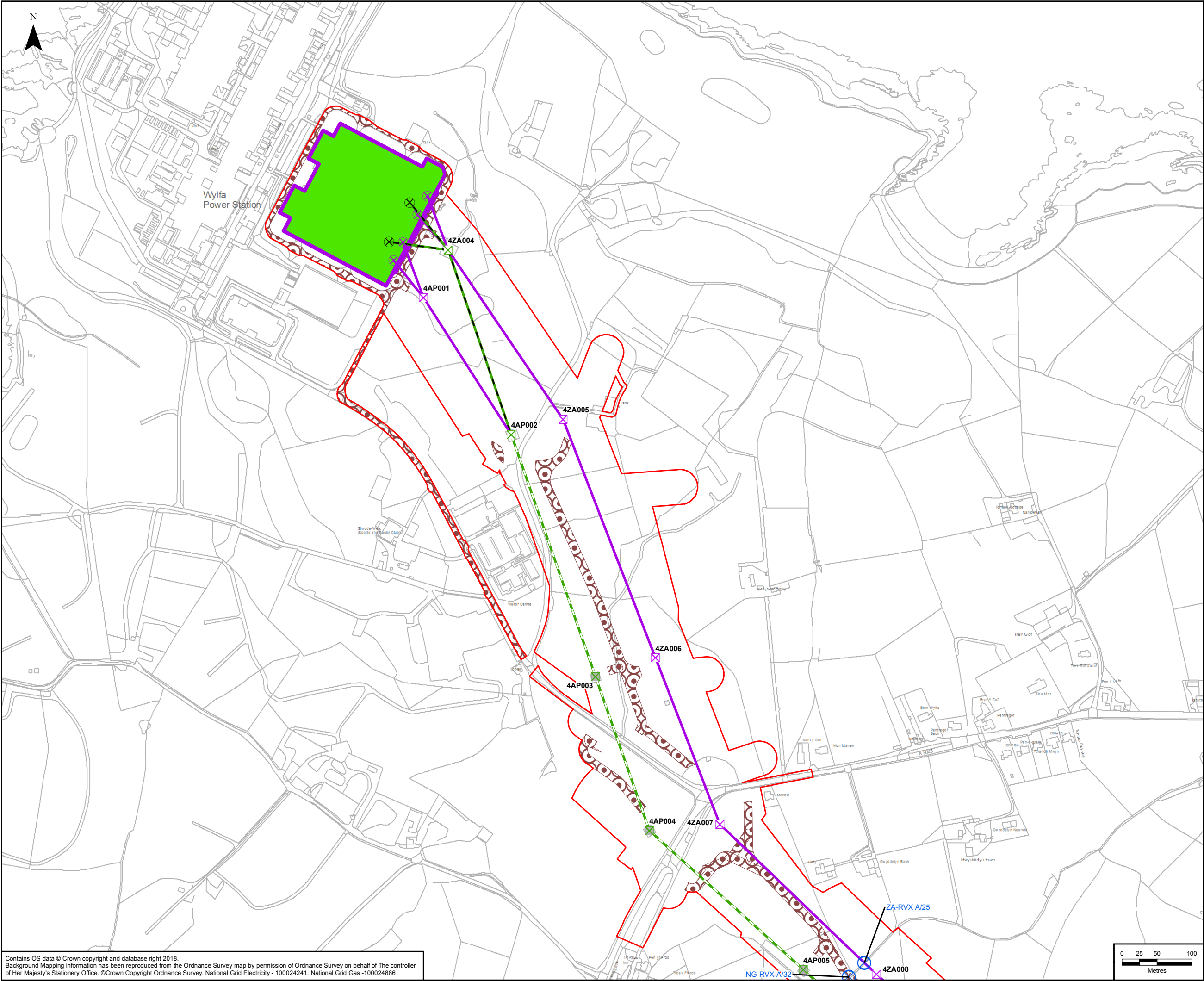
Table 1 Indicative Watercourse Crossing Schedule – Access Tracks

Crossing Reference	Watercourse Type	Name	Crossing Type
NG-DRX D/197	Drain	Unnamed	Culvert
NG-DRX D/201	Drain	Unnamed	Culvert
NG-RVX D/206	River	Ceint West	Bridge
Section E			
NG-DRX E/215	Drain	Unnamed	Culvert
NG-DRX E/216	Drain	Unnamed	Culvert
NG-DRX E/220	Drain	Unnamed	Culvert
NG-DRX E/225	Drain	Unnamed	Culvert
NG-DRX E/227	Drain	Unnamed	Culvert
NG-DRX E/228	Drain	Unnamed	Culvert
NG-DRX E/229	Drain	Unnamed	Bridge
NG-DRX E/236	Drain	Unnamed	Culvert
NG-RVX E/241	River	Braint	Bridge
Section F			
NG-RVX F/243	River	Braint Bifurcation	Bridge
NG-DRX F/256	Drain	Unnamed	Bridge
NG-DRX F/262	Drain	Unnamed	Culvert
NG-DRX F/263	Drain	Unnamed	Culvert
NG-DRX F/264	Drain	Unnamed	Culvert
NG-DRX F/277	Drain	Unnamed	Culvert
NG-DRX F/281	Drain	Unnamed	Culvert
NG-DRX F/282	Drain	Unnamed	Culvert
NG-DRX F/291	Drain	Unnamed	Culvert

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2 Figure 1

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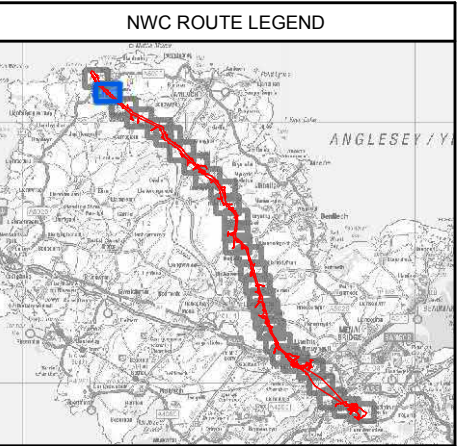
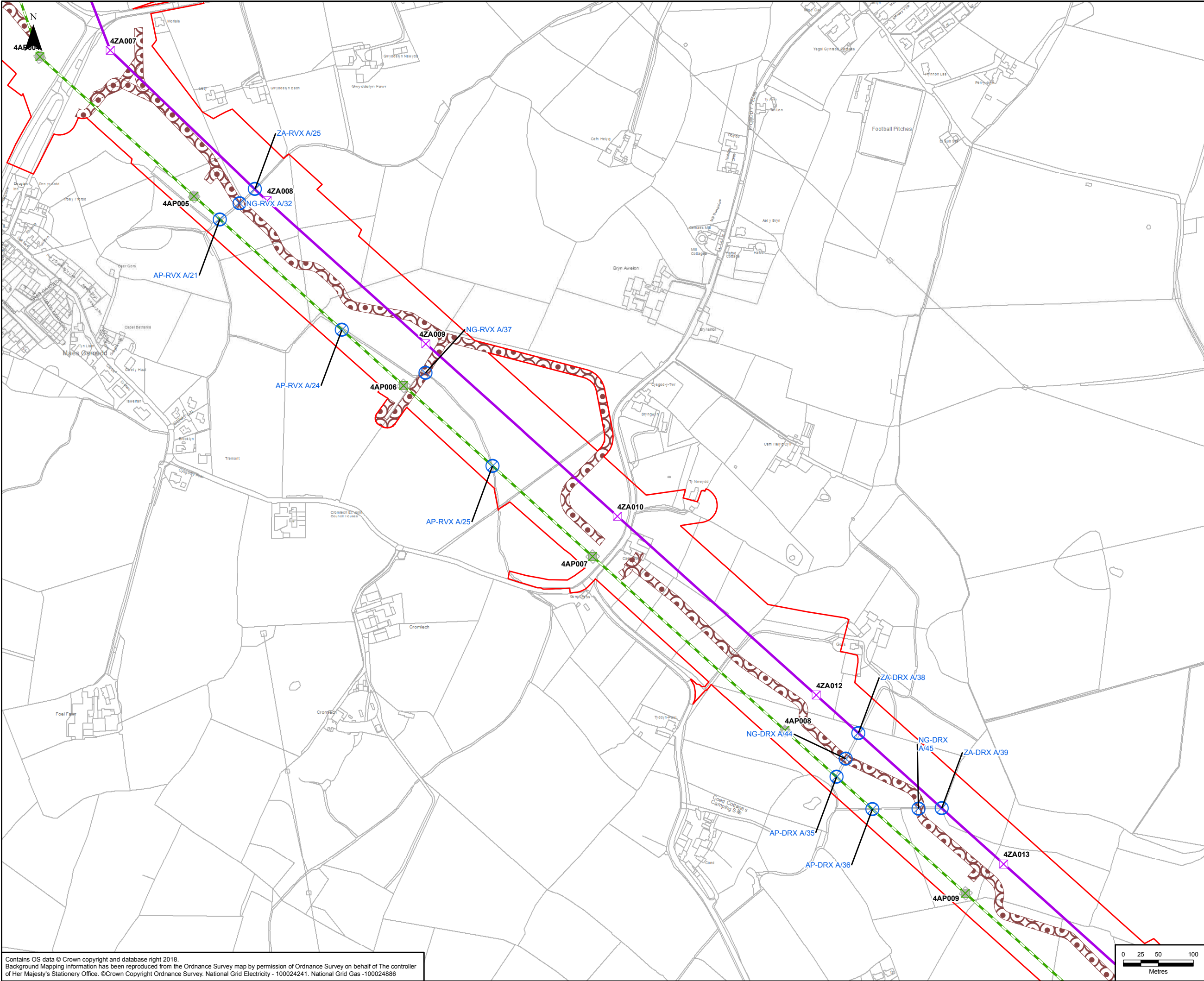


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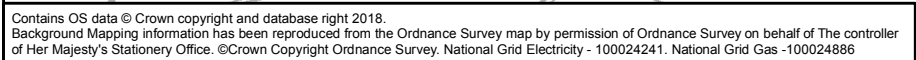
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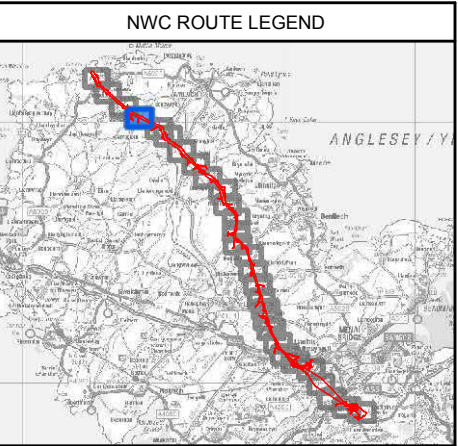
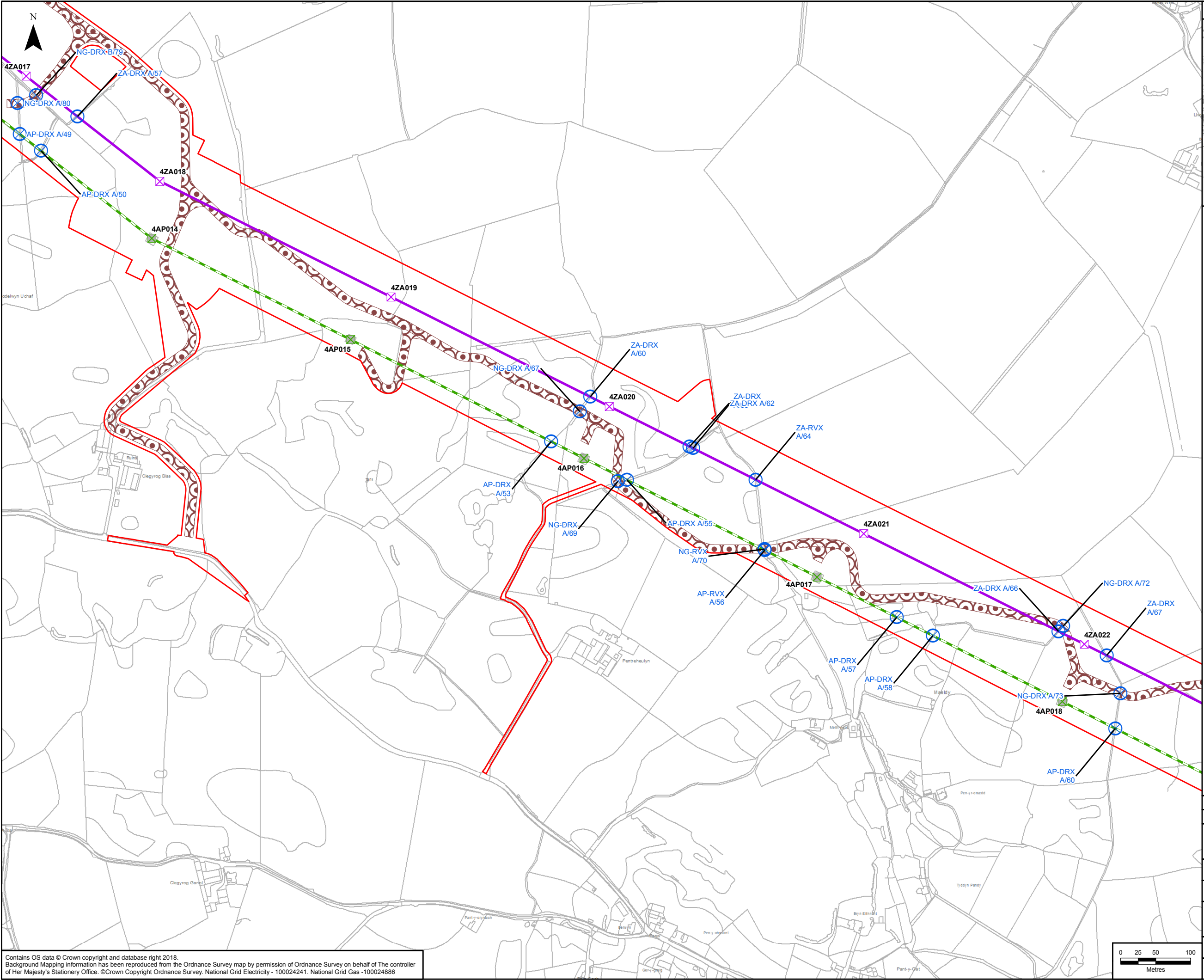


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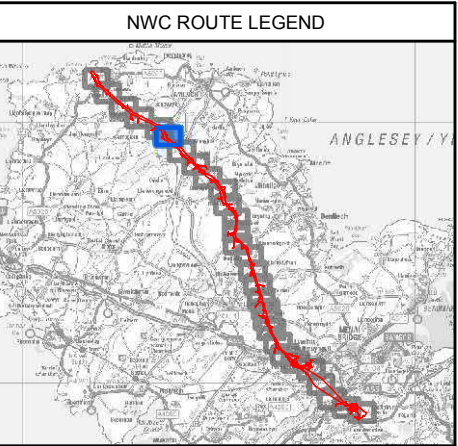
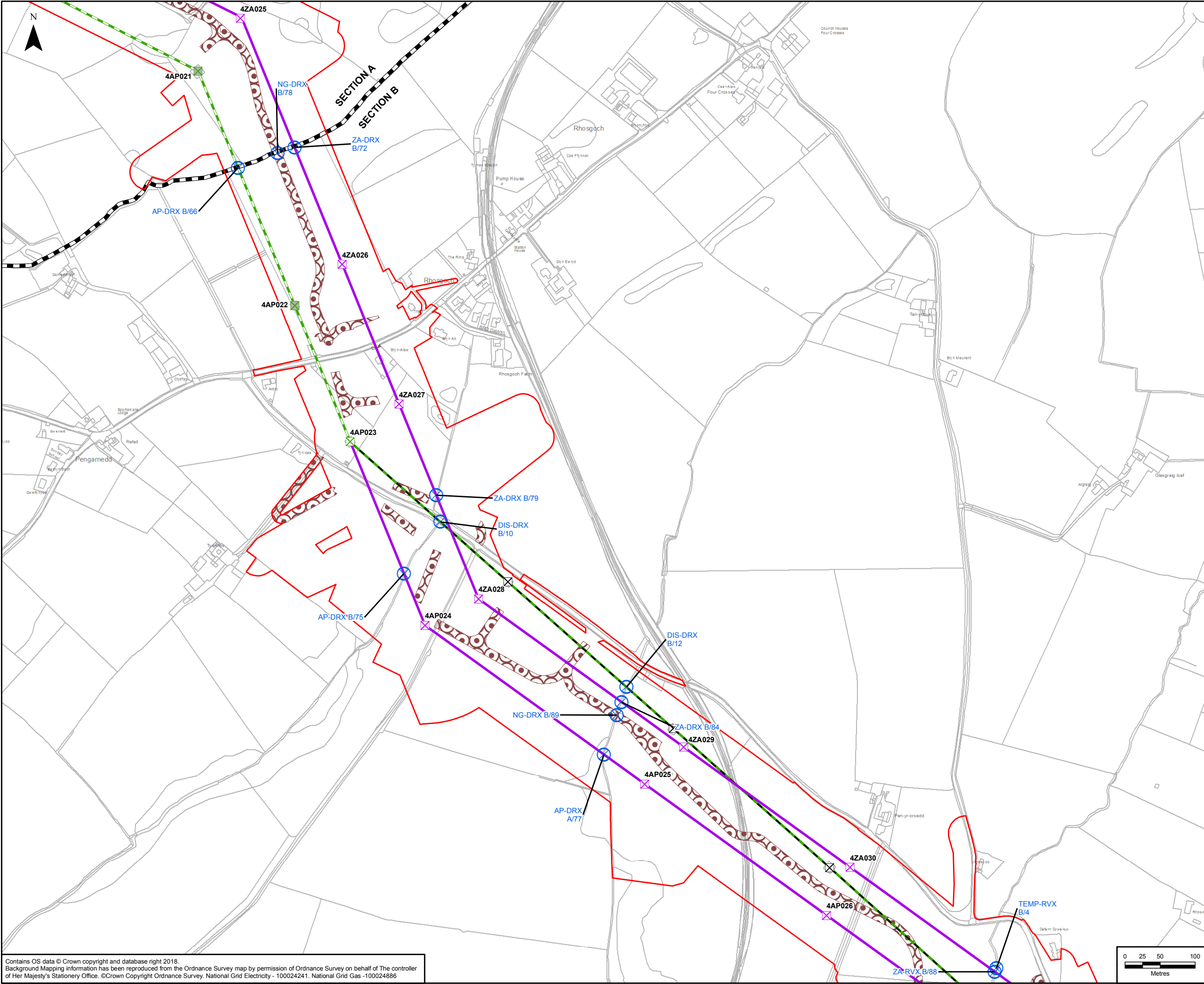
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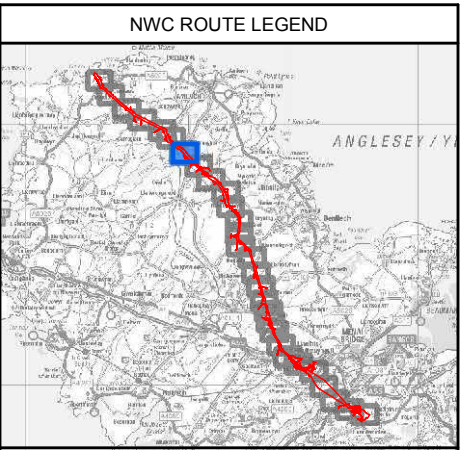
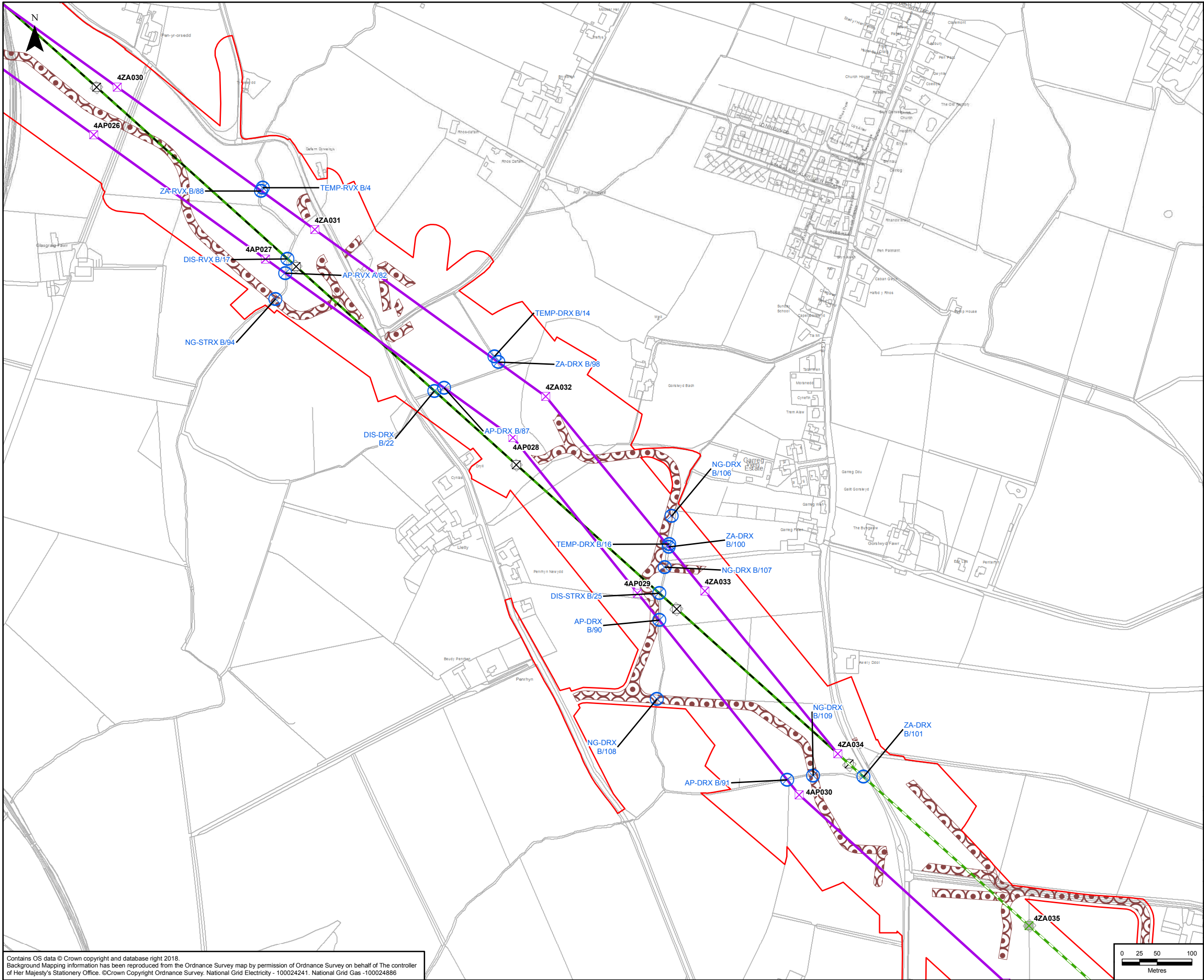
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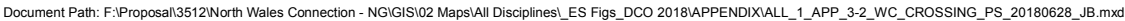
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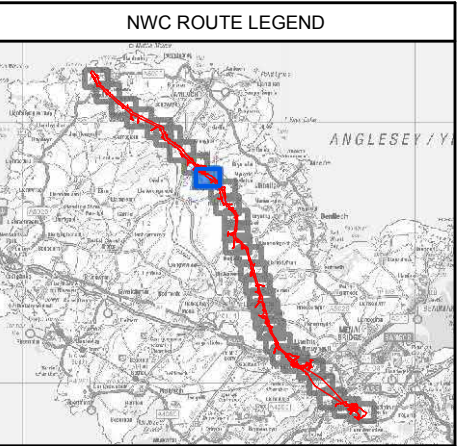
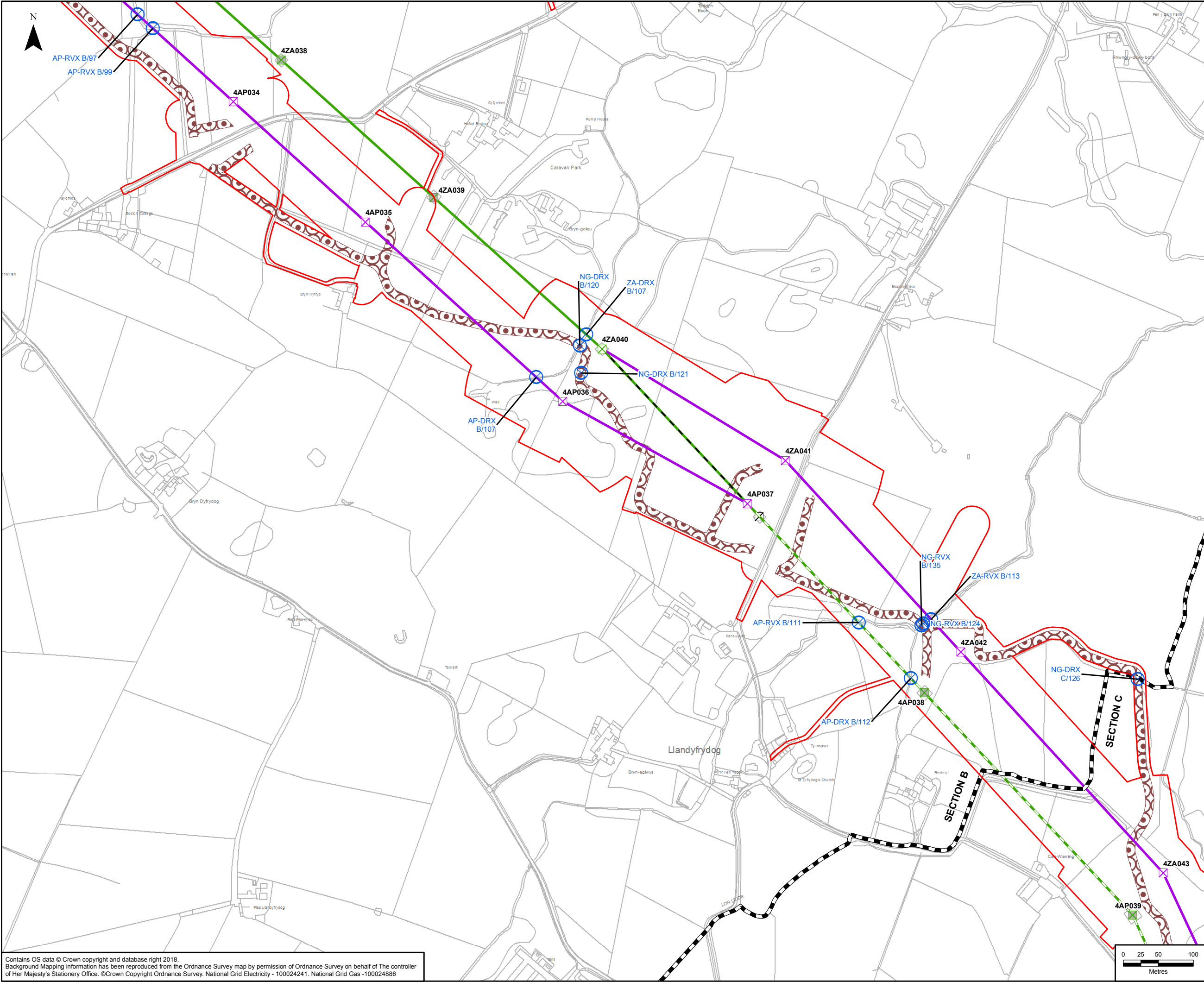


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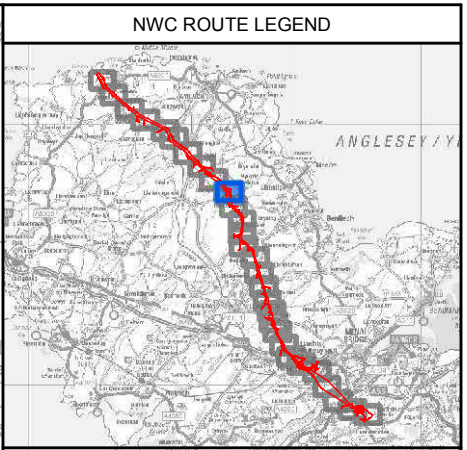
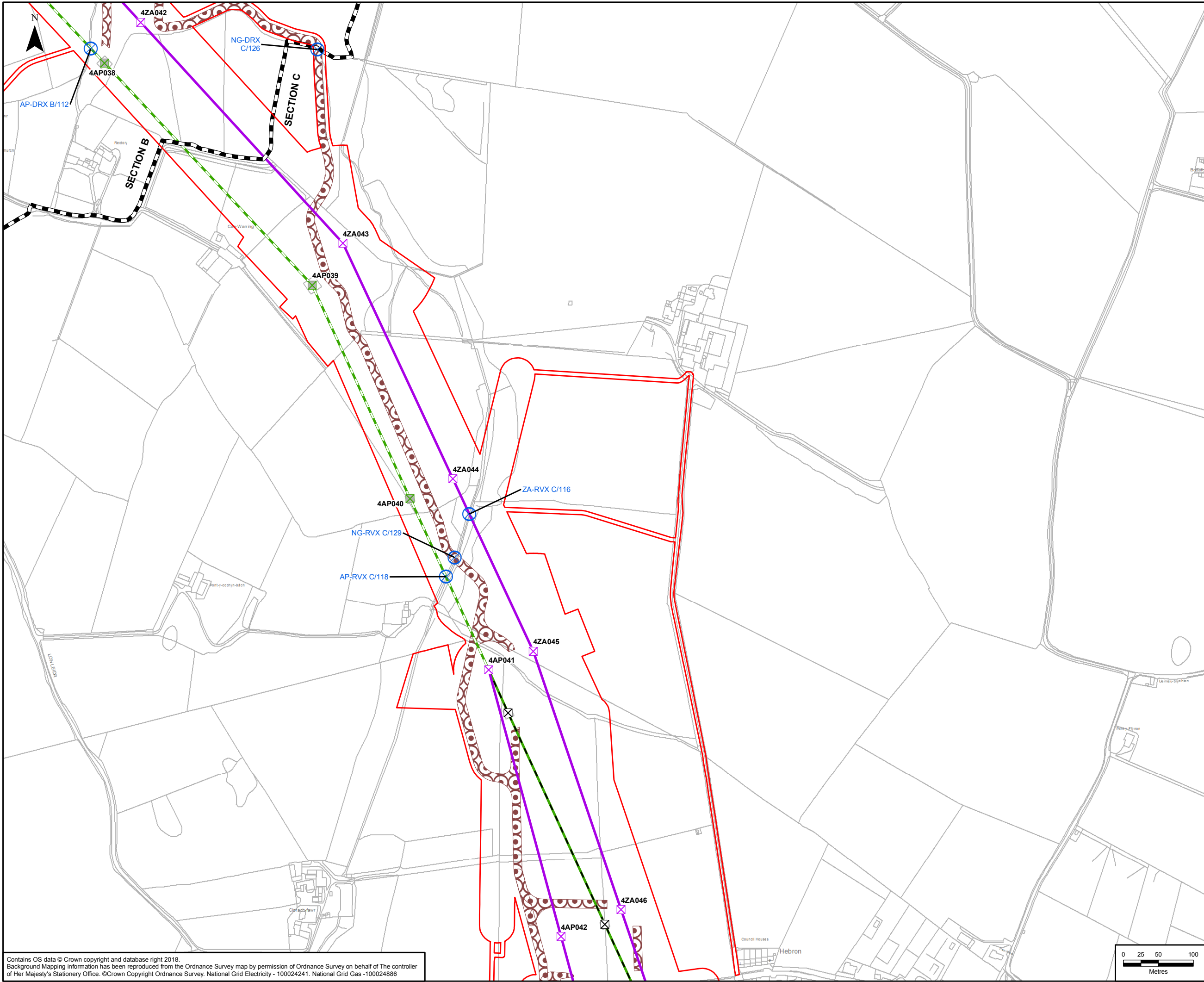
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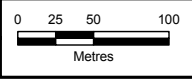
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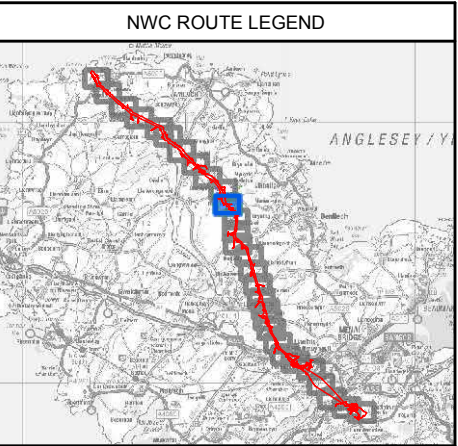
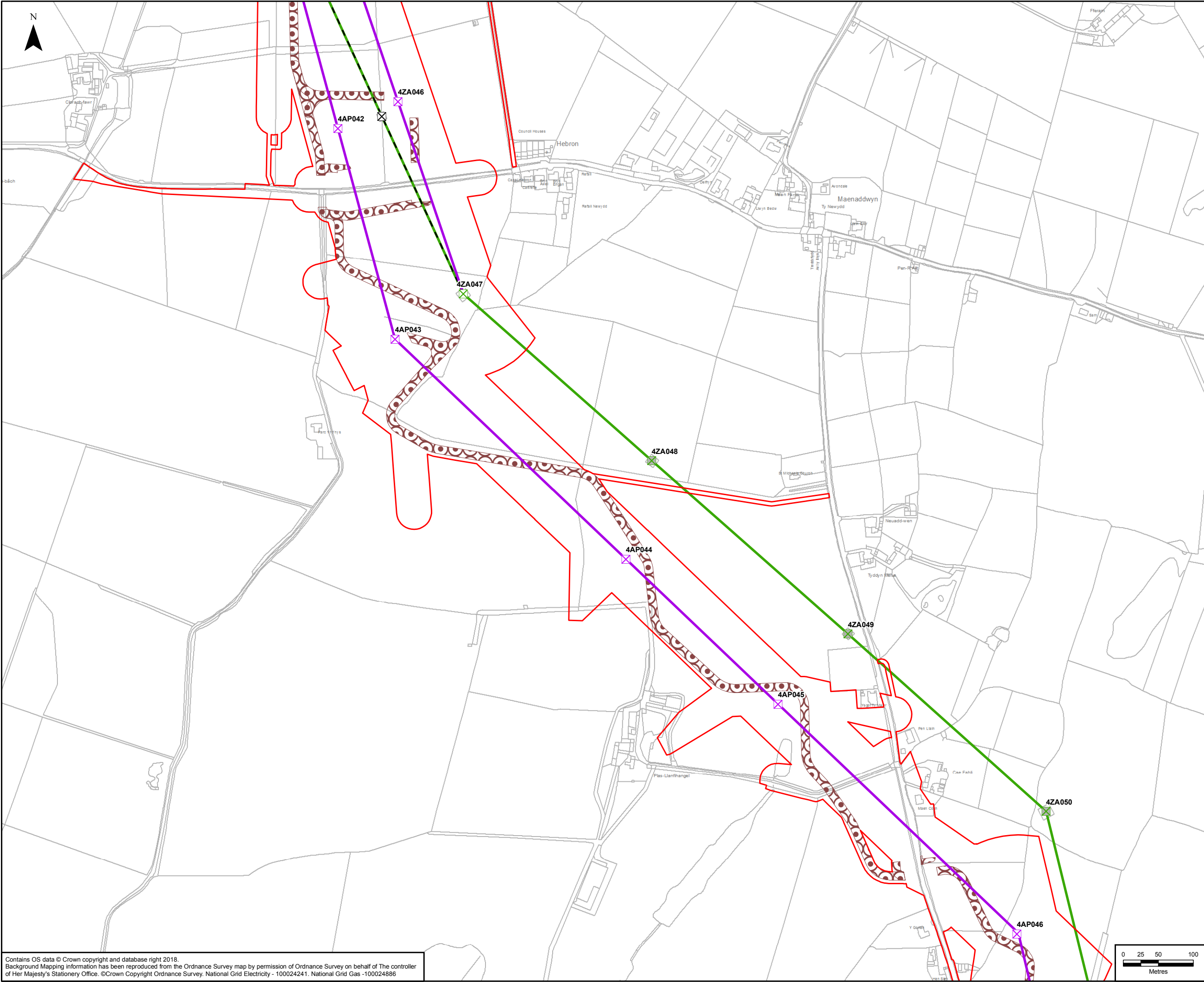


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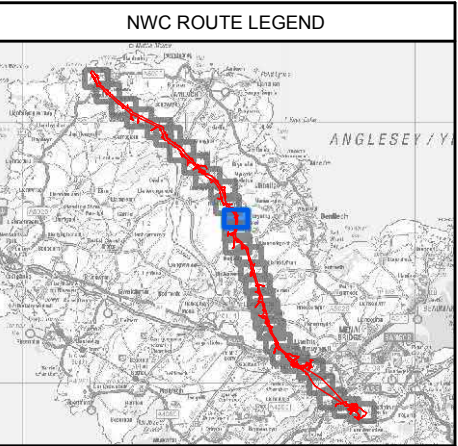
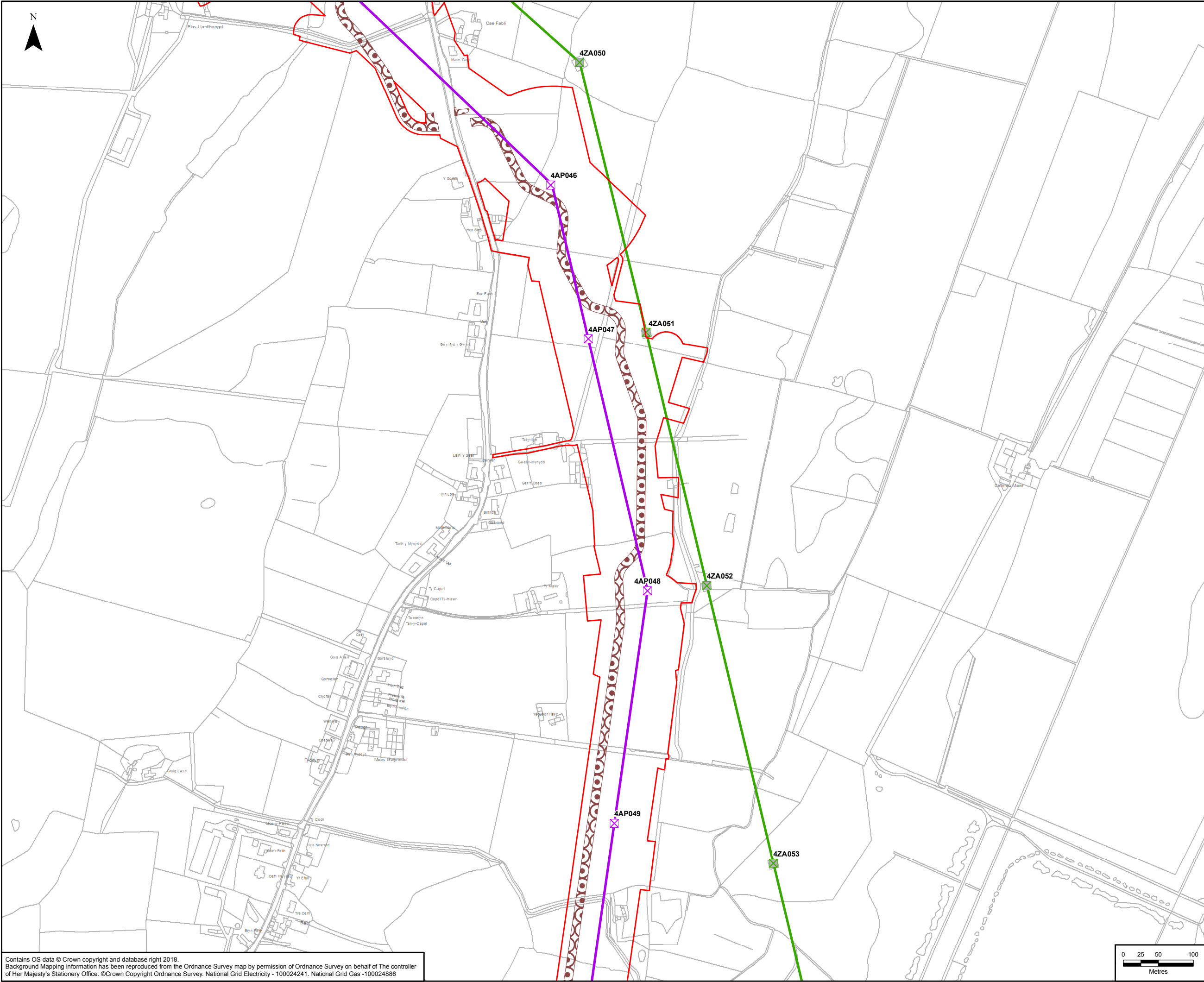
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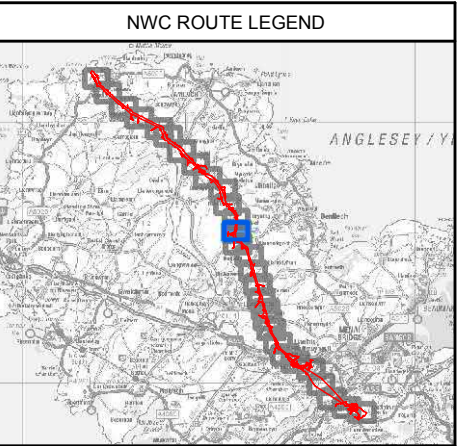
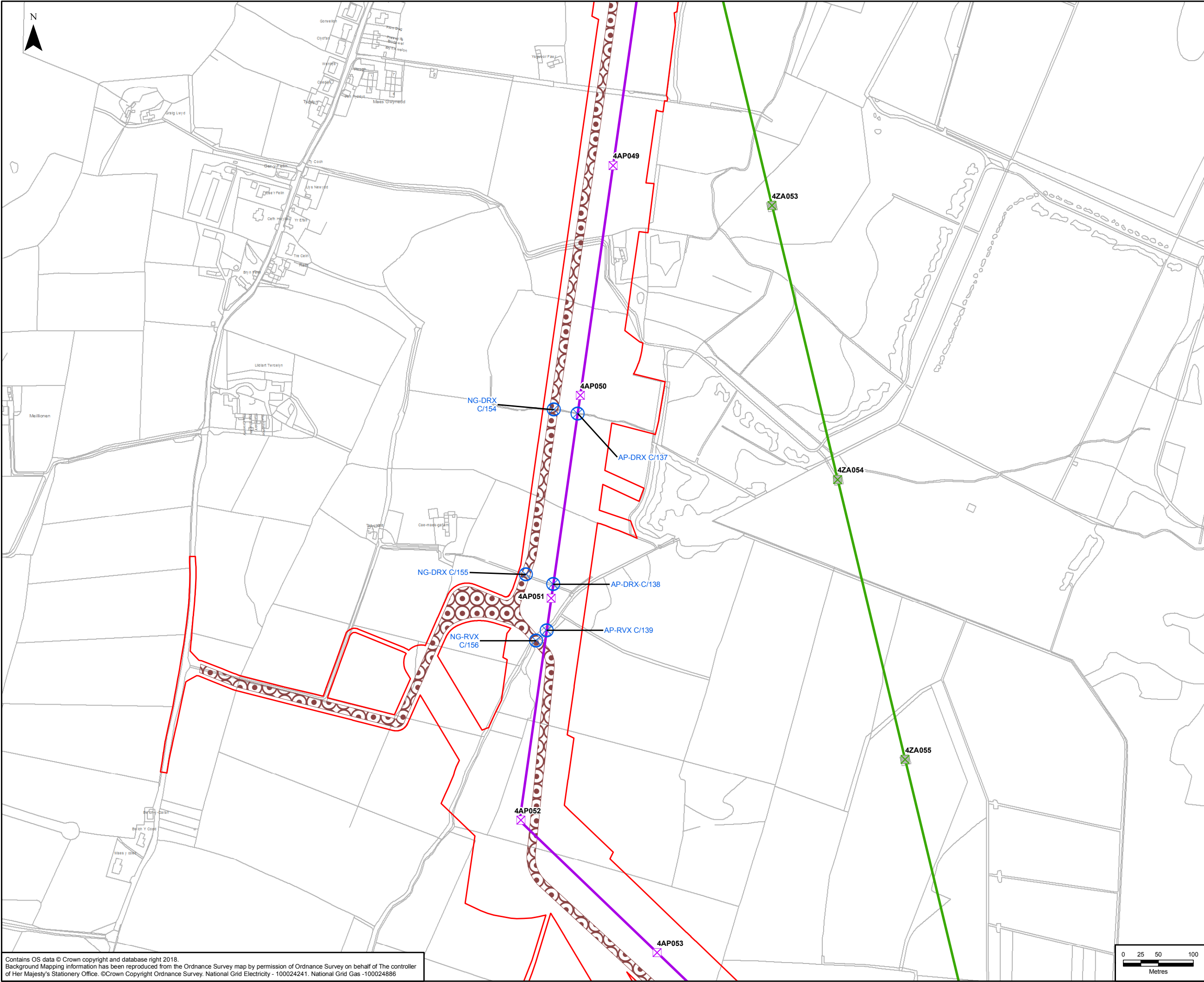
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Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 12 of 29	Rev: A	

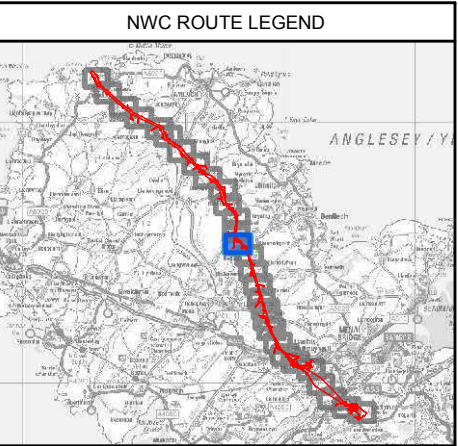
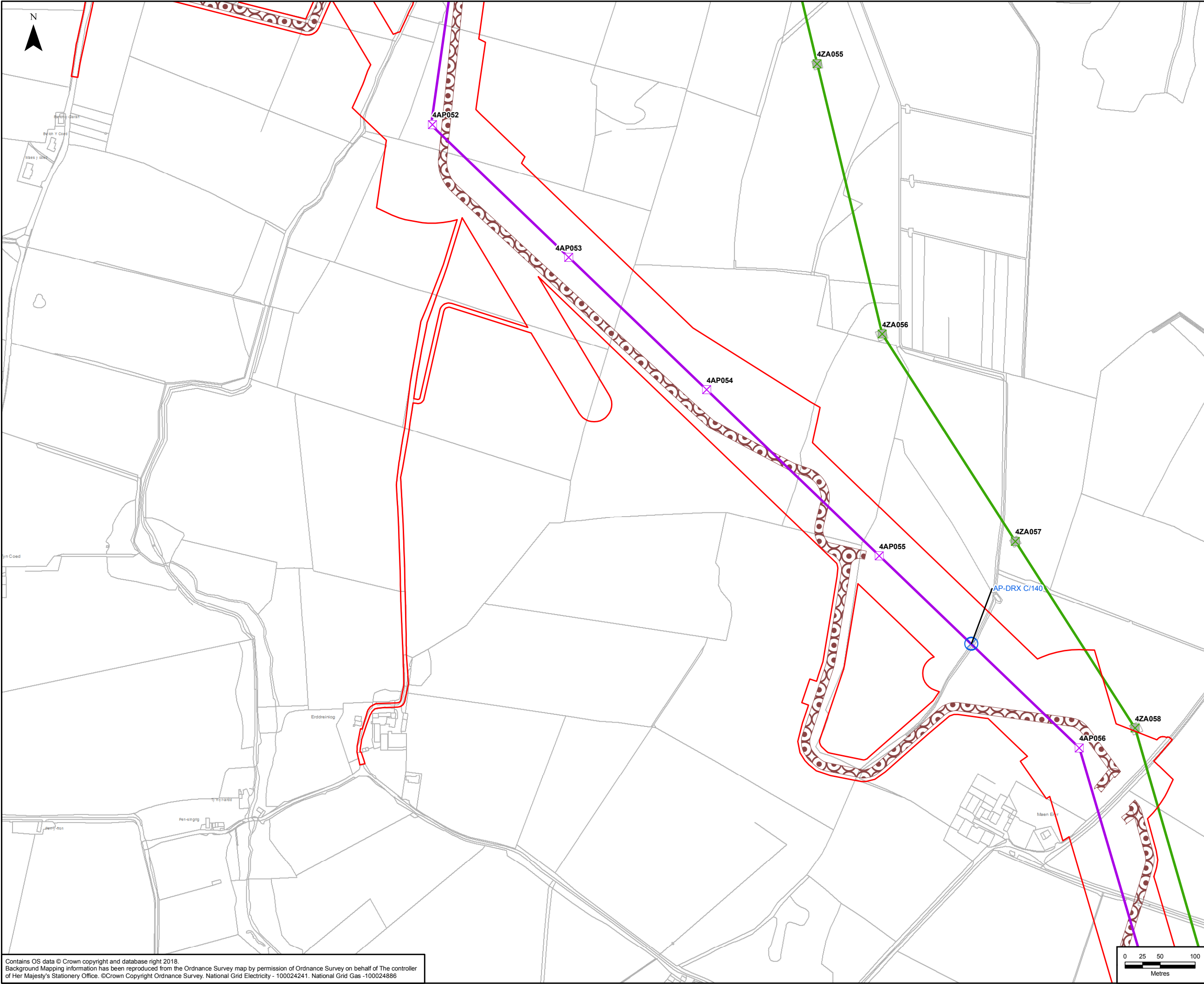
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NWC ROUTE LEGEND					
LEGEND					
	ORDER LIMITS				
	SECTION CUTLINES				
	WATERCOURSE CROSSING LOCATION				
	NEW GANTRY (FULL LINE TENSION)				
	NEW GANTRY				
	GANTRY TO BE REMOVED				
	NEW LATTICE PYLON				
	NEW LOW HEIGHT LATTICE PYLON				
	EXISTING LATTICE PYLON TO BE REMOVED				
	EXISTING LATTICE PYLON TO BE MODIFIED				
	EXISTING LATTICE PYLON NOT AFFECTED				
	NEW OVERHEAD LINE				
	EXISTING OVERHEAD LINE TO BE REMOVED				
	EXISTING OVERHEAD LINE TO BE MODIFIED				
	EXISTING OVERHEAD LINE NOT AFFECTED				
	ACCESS - NATIONAL GRID				
	AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED				
	PROPOSED SUBSTATION EXTENSION FOOTPRINT				
	EXISTING 132KV OUTDOOR SUBSTATION				
	EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT				

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App
Scheme: NORTH WALES CONNECTION PROJECT					
Document Number: 5.3.2.2					
Document Title: FIGURE 1 WATERCOURSE CROSSING SCHEDULE SECTION C					
Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 13 of 29	Rev: A	

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- LEGEND**
- ORDER LIMITS - OPTION A
 - SECTION CUTLINES
 - WATERCOURSE CROSSING LOCATION
 - NEW GANTRY (FULL LINE TENSION)
 - NEW GANTRY
 - GANTRY TO BE REMOVED
 - NEW LATTICE PYLON
 - NEW LOW HEIGHT LATTICE PYLON
 - EXISTING LATTICE PYLON TO BE REMOVED
 - EXISTING LATTICE PYLON TO BE MODIFIED
 - EXISTING LATTICE PYLON NOT AFFECTED
 - NEW OVERHEAD LINE
 - EXISTING OVERHEAD LINE TO BE REMOVED
 - EXISTING OVERHEAD LINE TO BE MODIFIED
 - EXISTING OVERHEAD LINE NOT AFFECTED
 - ACCESS - NATIONAL GRID
 - AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
 - PROPOSED SUBSTATION EXTENSION FOOTPRINT
 - EXISTING 132KV OUTDOOR SUBSTATION
 - EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: NORTH WALES CONNECTION PROJECT

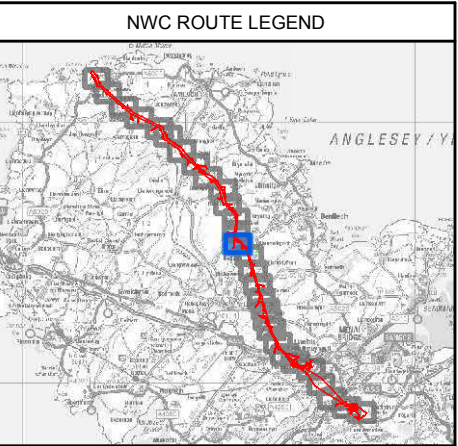
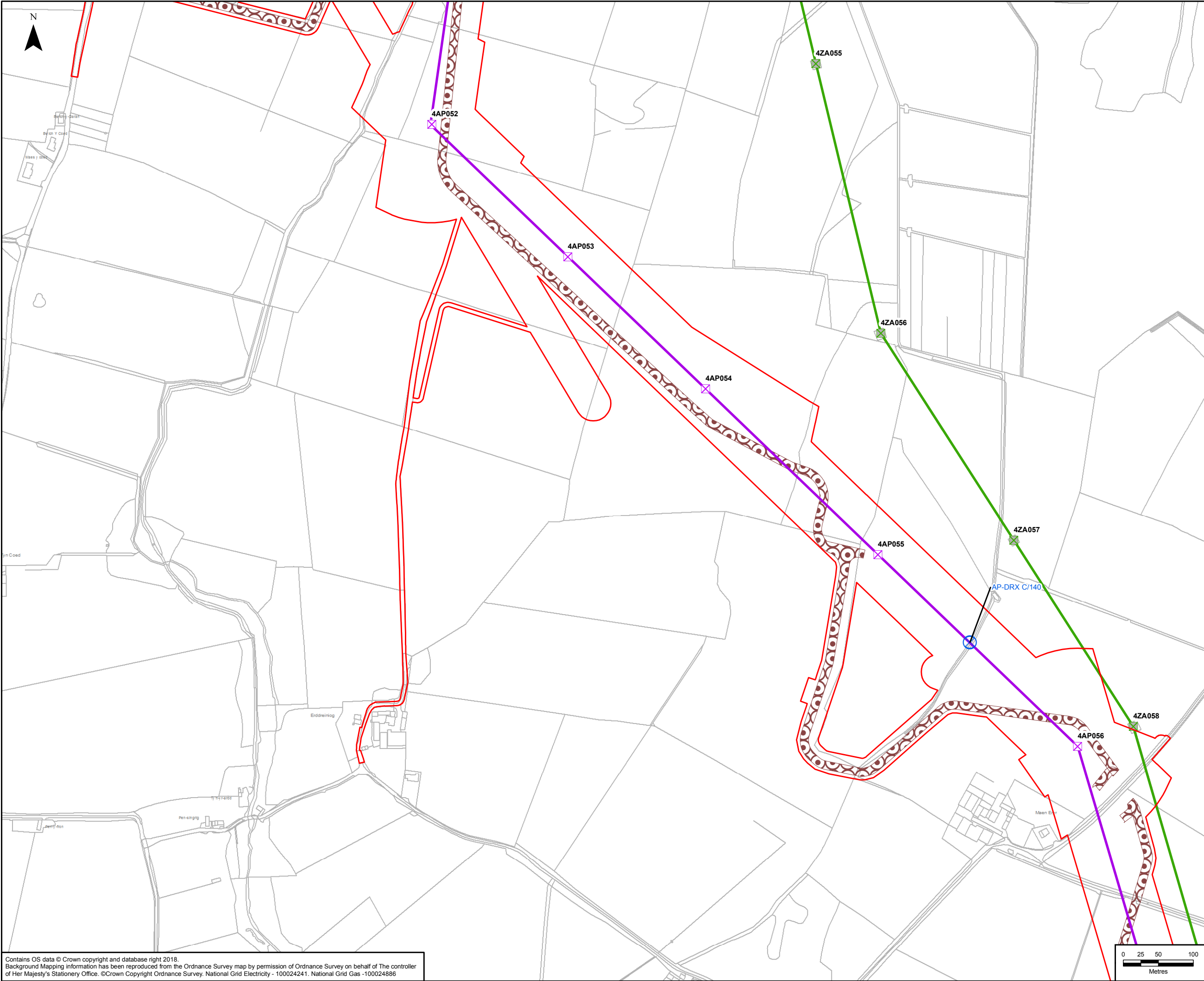
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WATERCOURSE CROSSING SCHEDULE
SECTION C OPTION A

Creator:	Date:	Checker:	Date:	Approver:	Date:
JB	28/06/2018	JF	28/06/2018	CC	28/06/2018
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LEGEND

- ORDER LIMITS - OPTION B
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
- EXISTING OVERHEAD LINE TO BE MODIFIED
- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App

nationalgrid

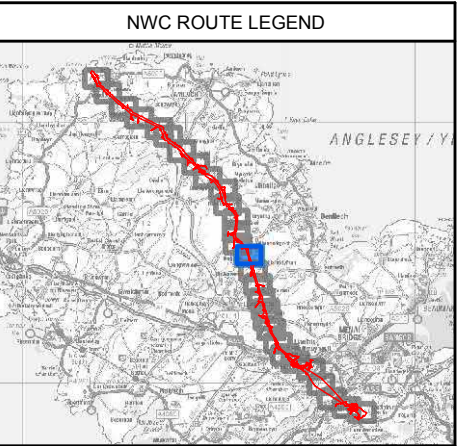
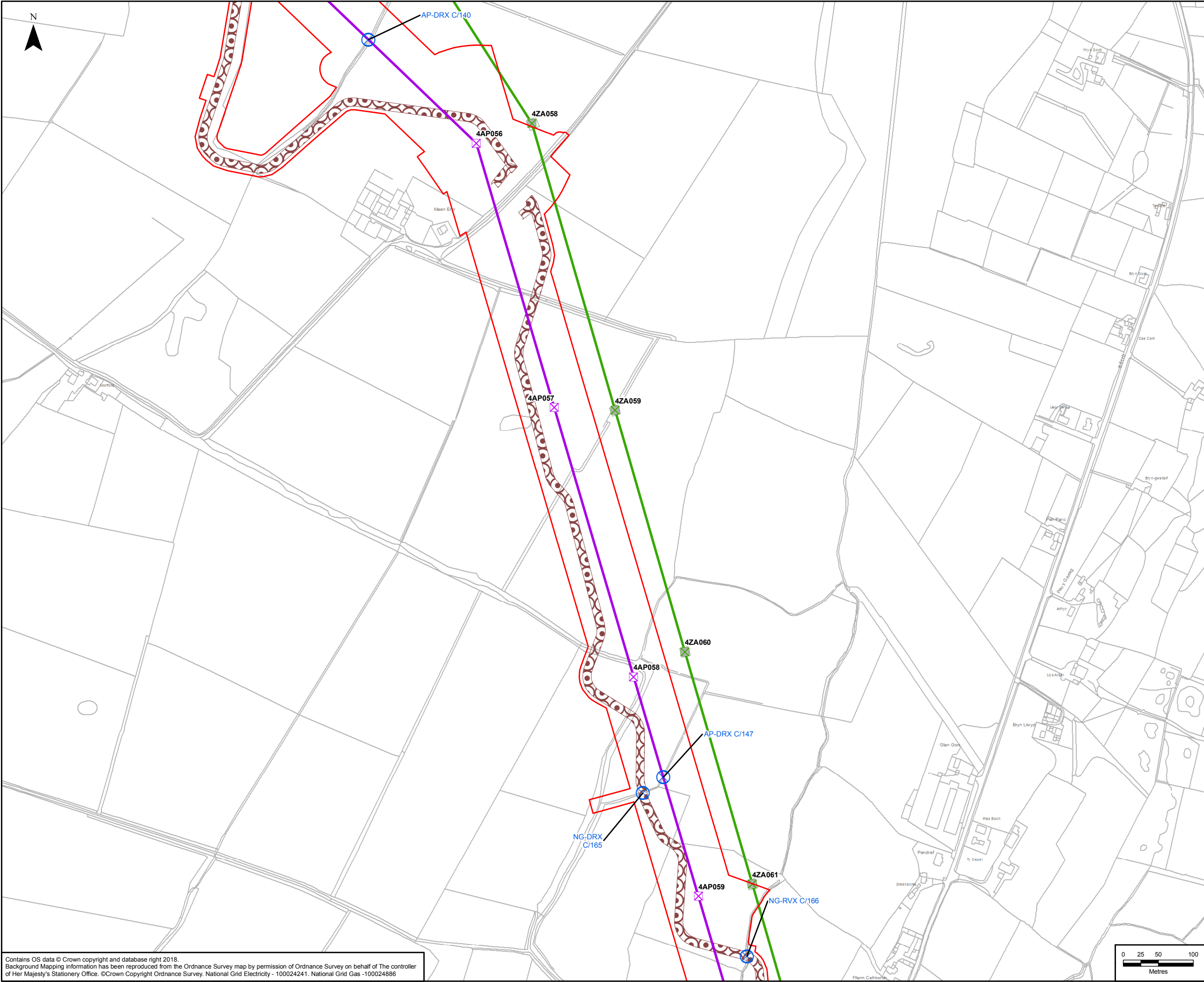
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WATERCOURSE CROSSING SCHEDULE
SECTION C OPTION B

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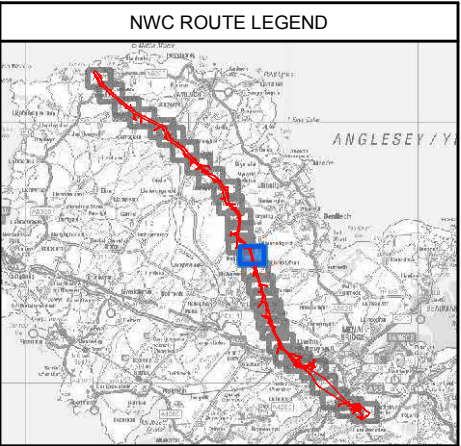
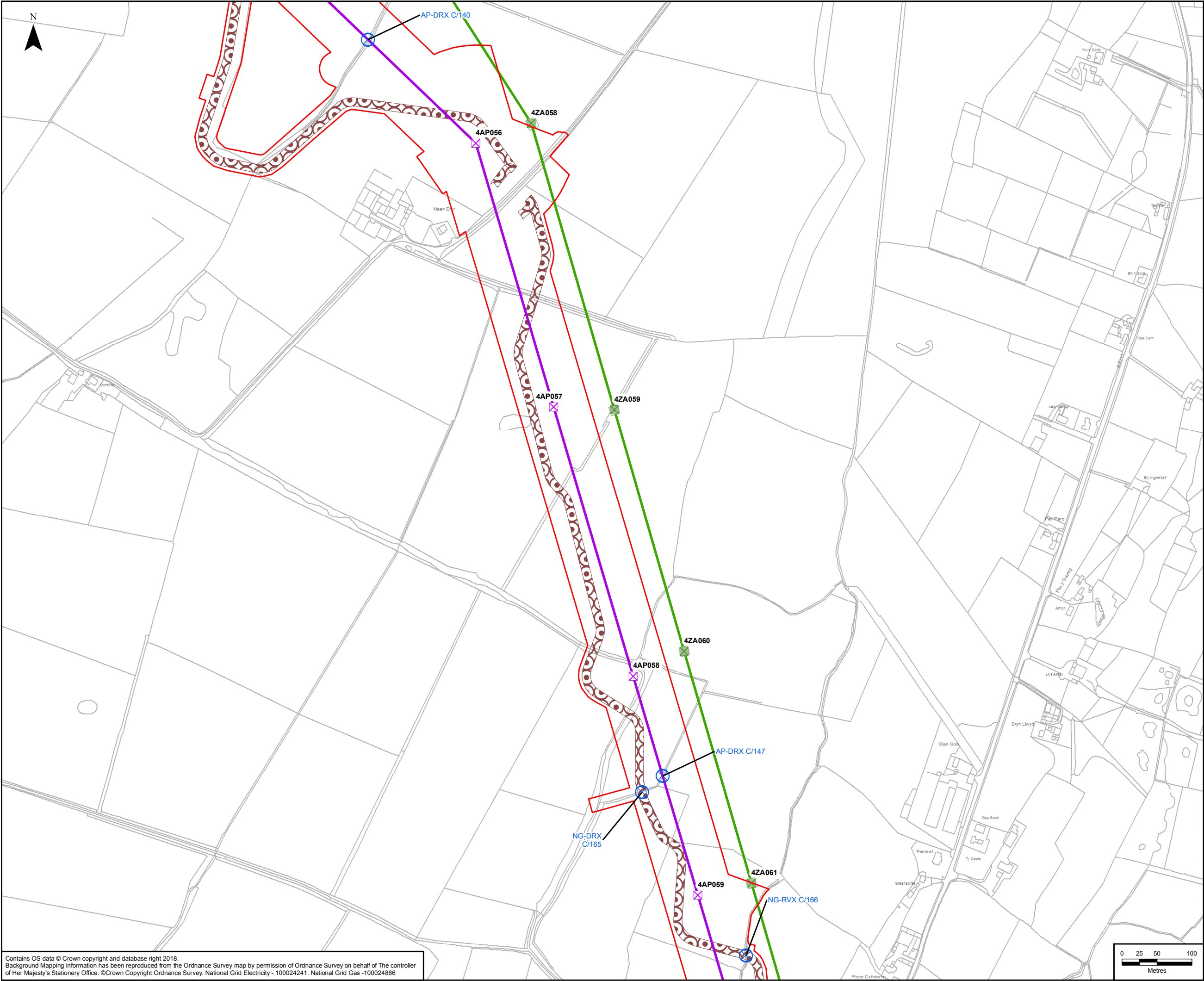
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NWC ROUTE LEGEND					
LEGEND					
	ORDER LIMITS - OPTION A				
	SECTION CUTLINES				
	WATERCOURSE CROSSING LOCATION				
	NEW GANTRY (FULL LINE TENSION)				
	NEW GANTRY				
	GANTRY TO BE REMOVED				
	NEW LATTICE PYLON				
	NEW LOW HEIGHT LATTICE PYLON				
	EXISTING LATTICE PYLON TO BE REMOVED				
	EXISTING LATTICE PYLON TO BE MODIFIED				
	EXISTING LATTICE PYLON NOT AFFECTED				
	NEW OVERHEAD LINE				
	EXISTING OVERHEAD LINE TO BE REMOVED				
	EXISTING OVERHEAD LINE TO BE MODIFIED				
	EXISTING OVERHEAD LINE NOT AFFECTED				
	ACCESS - NATIONAL GRID				
	AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED				
	PROPOSED SUBSTATION EXTENSION FOOTPRINT				
	EXISTING 132KV OUTDOOR SUBSTATION				
	EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT				

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Rev	Date	Description	GIS	Chk	App
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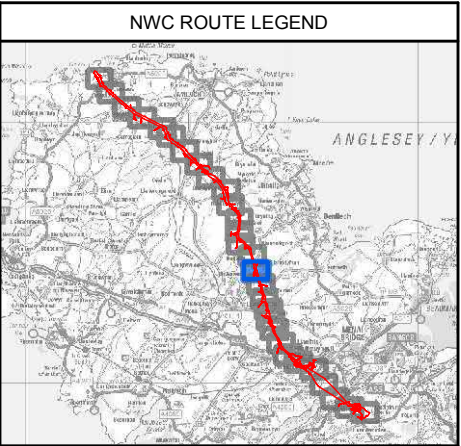
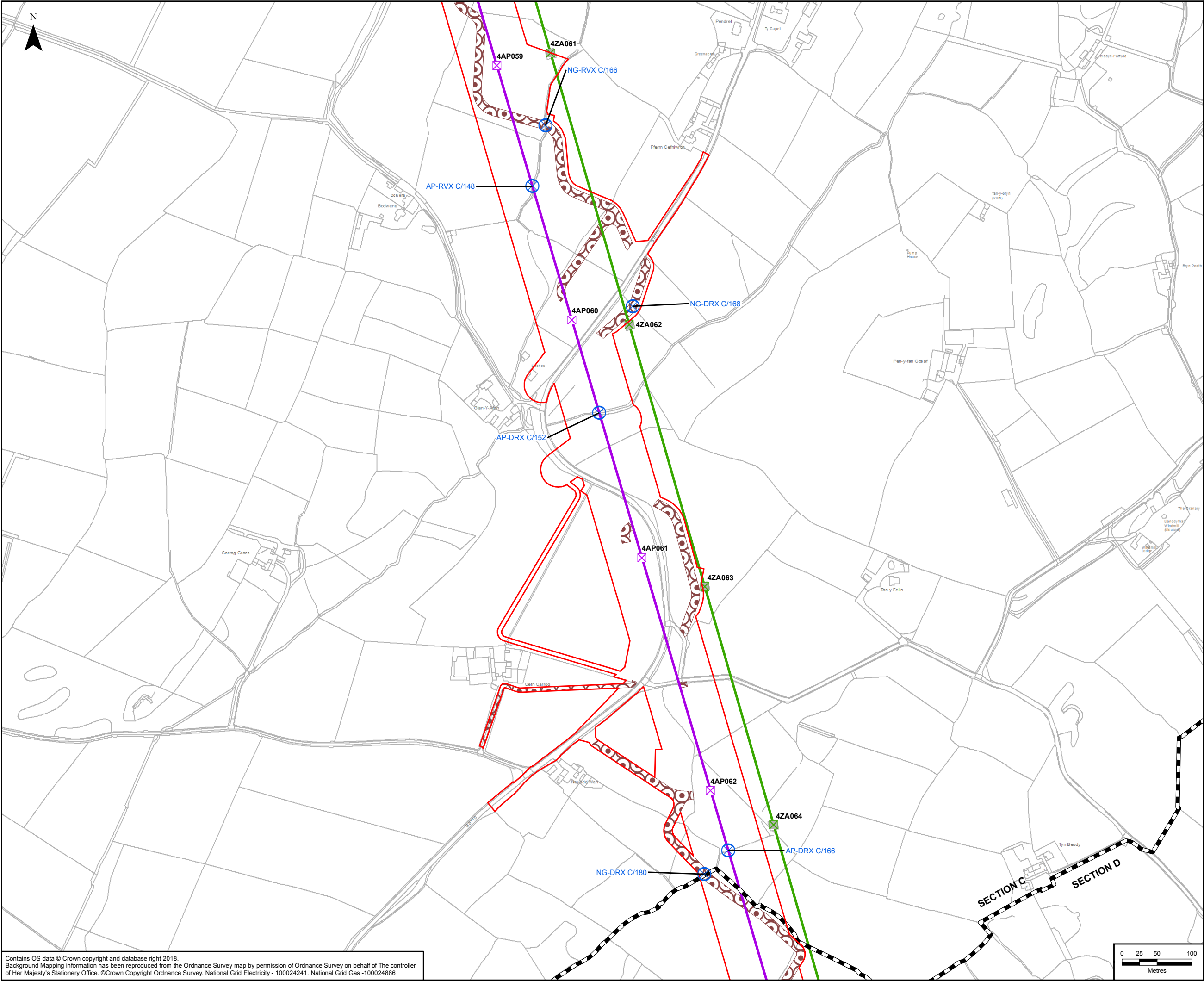


LEGEND

- ORDER LIMITS - OPTION B
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
- EXISTING OVERHEAD LINE TO BE MODIFIED
- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
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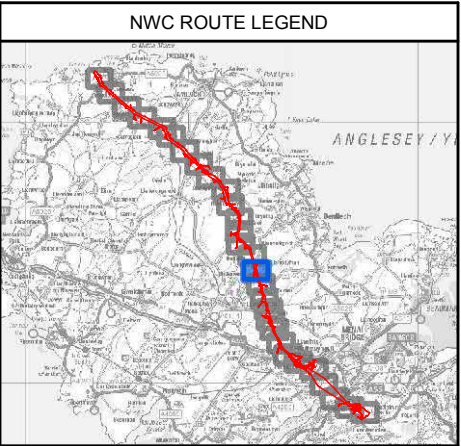
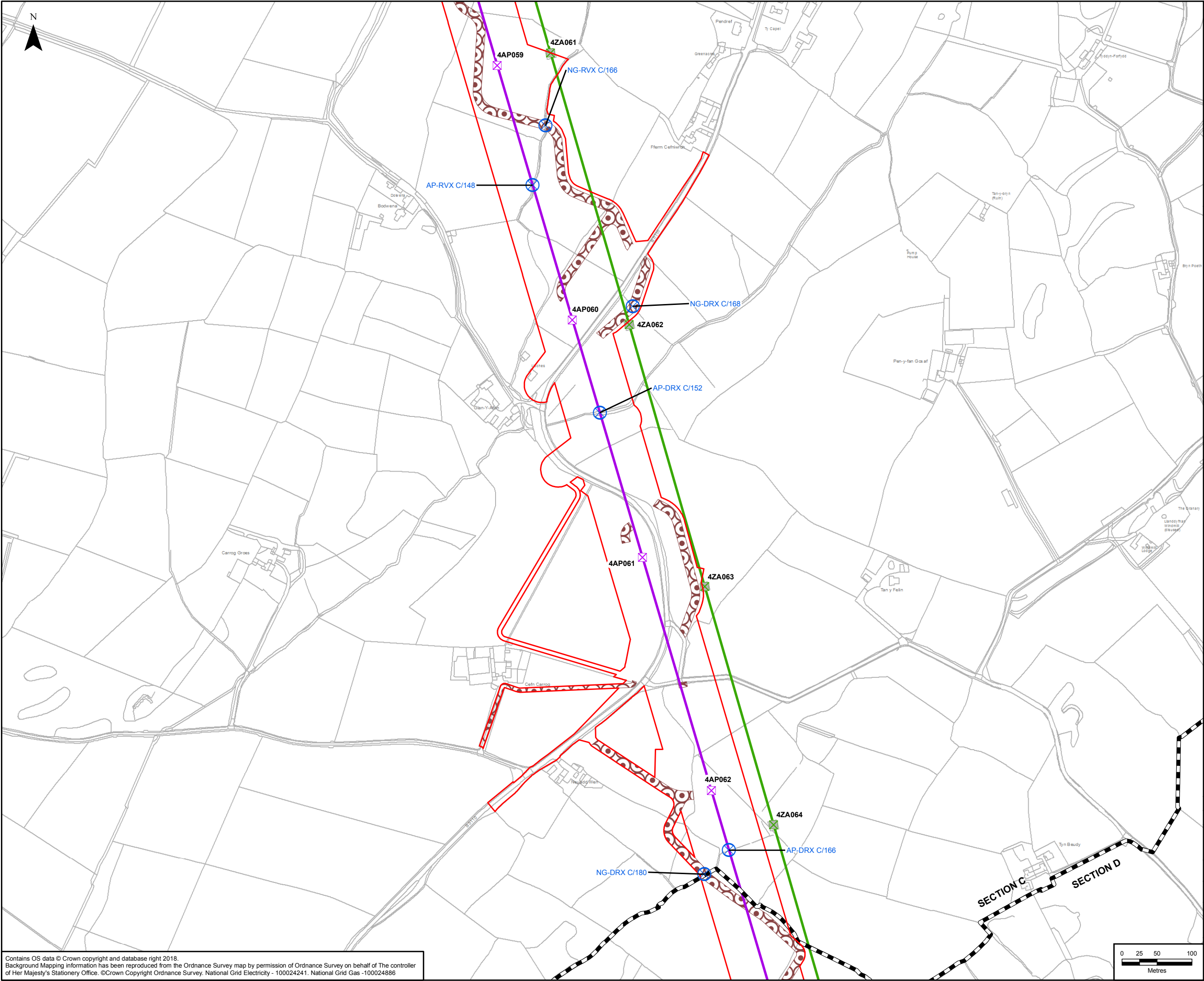
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NWC ROUTE LEGEND					
LEGEND					
	ORDER LIMITS - OPTION A				
	SECTION CUTLINES				
	WATERCOURSE CROSSING LOCATION				
	NEW GANTRY (FULL LINE TENSION)				
	NEW GANTRY				
	GANTRY TO BE REMOVED				
	NEW LATTICE PYLON				
	NEW LOW HEIGHT LATTICE PYLON				
	EXISTING LATTICE PYLON TO BE REMOVED				
	EXISTING LATTICE PYLON TO BE MODIFIED				
	EXISTING LATTICE PYLON NOT AFFECTED				
	NEW OVERHEAD LINE				
	EXISTING OVERHEAD LINE TO BE REMOVED				
	EXISTING OVERHEAD LINE TO BE MODIFIED				
	EXISTING OVERHEAD LINE NOT AFFECTED				
	ACCESS - NATIONAL GRID				
	AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED				
	PROPOSED SUBSTATION EXTENSION FOOTPRINT				
	EXISTING 132KV OUTDOOR SUBSTATION				
	EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT				

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
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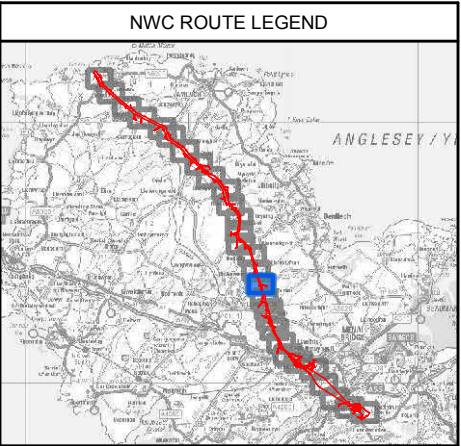
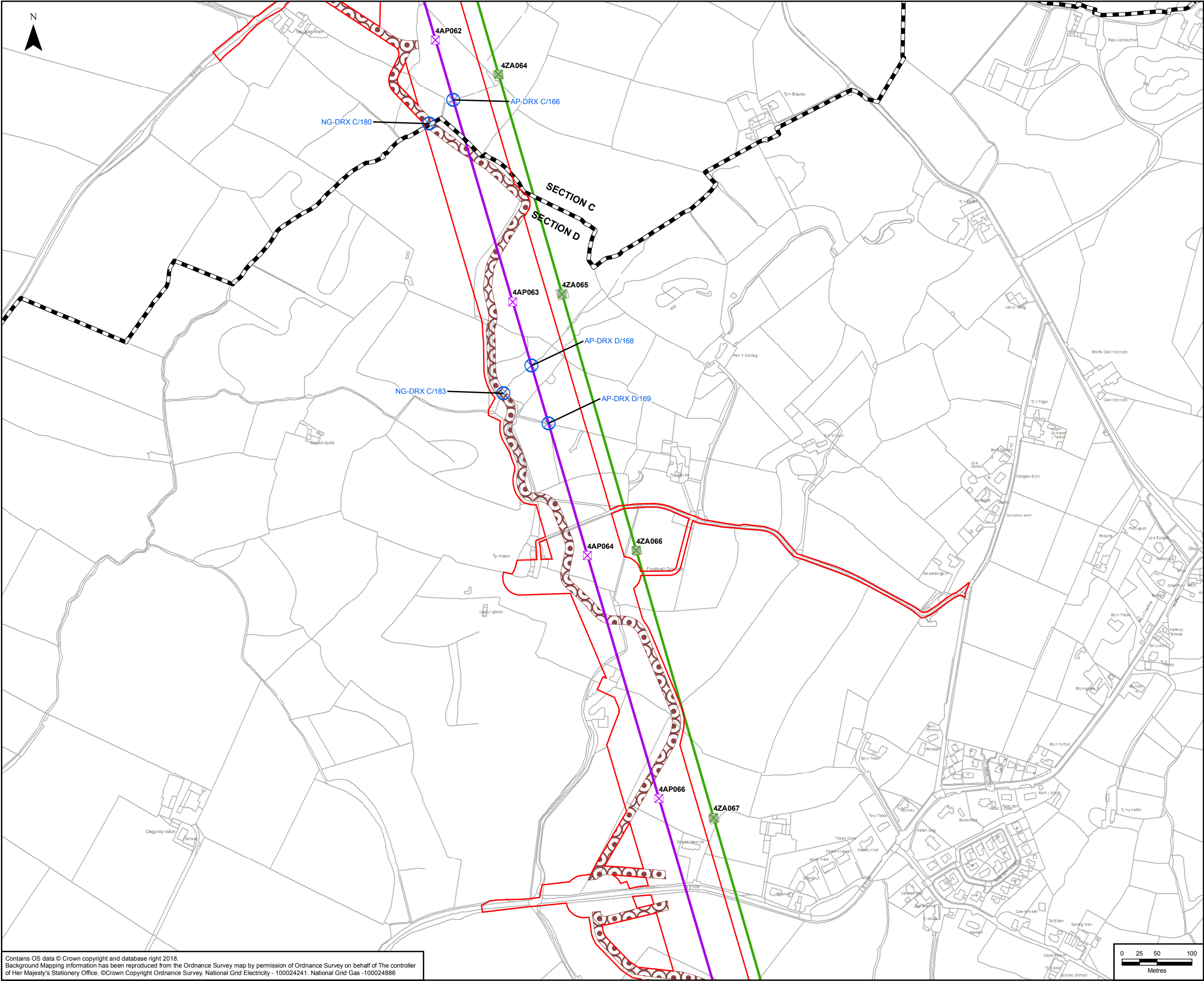


LEGEND

- ORDER LIMITS - OPTION B
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
- EXISTING OVERHEAD LINE TO BE MODIFIED
- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
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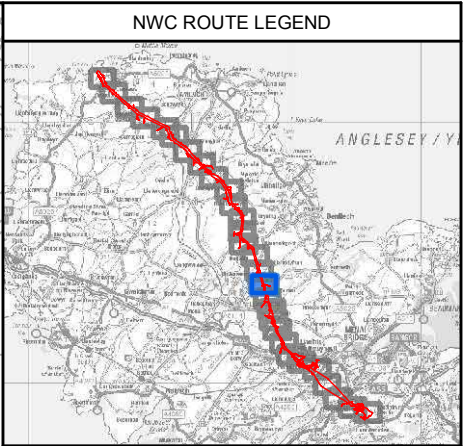
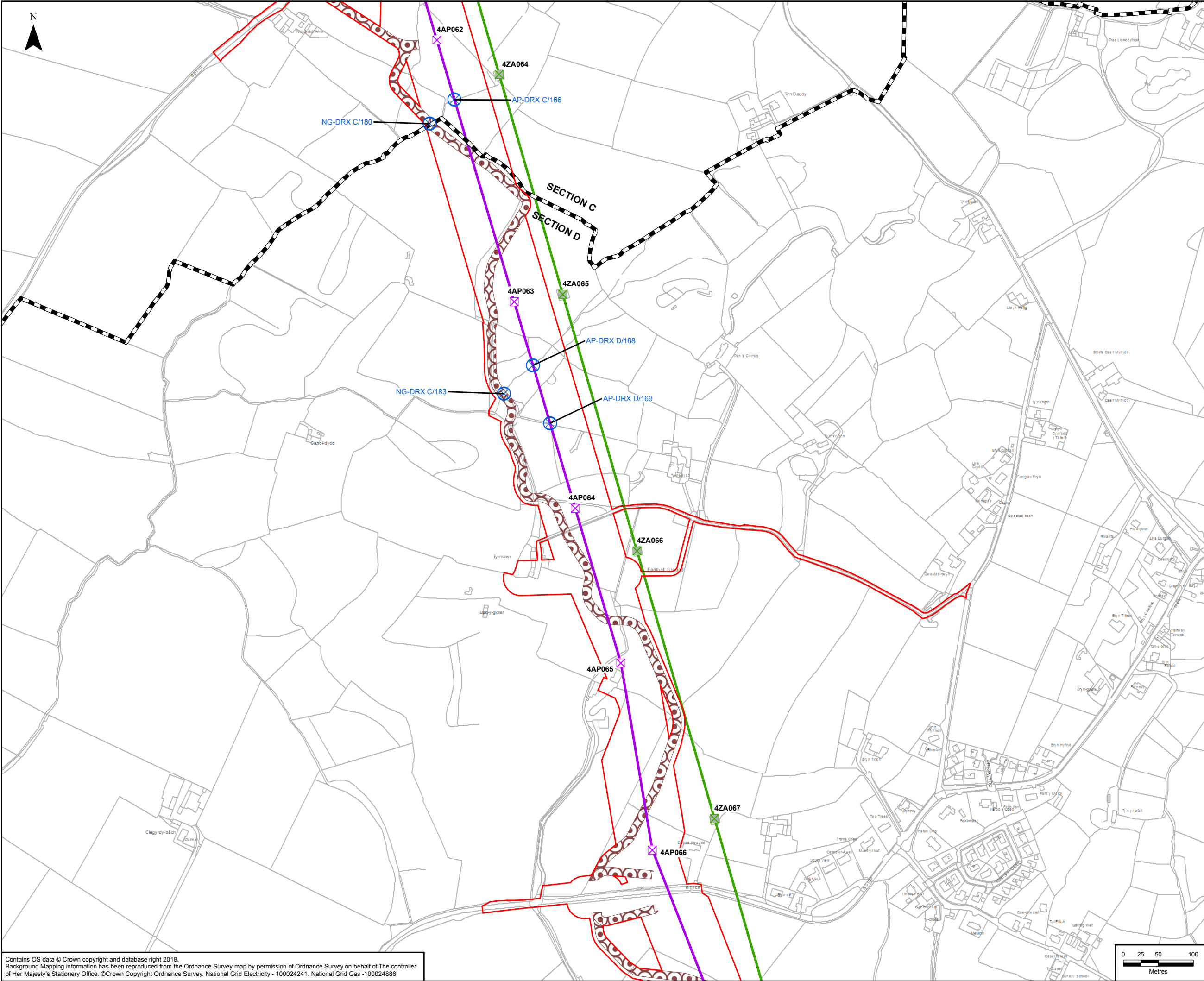


LEGEND

- ORDER LIMITS - OPTION A
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
- EXISTING OVERHEAD LINE TO BE MODIFIED
- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App
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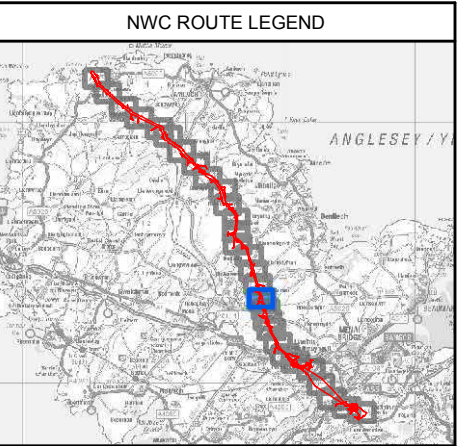
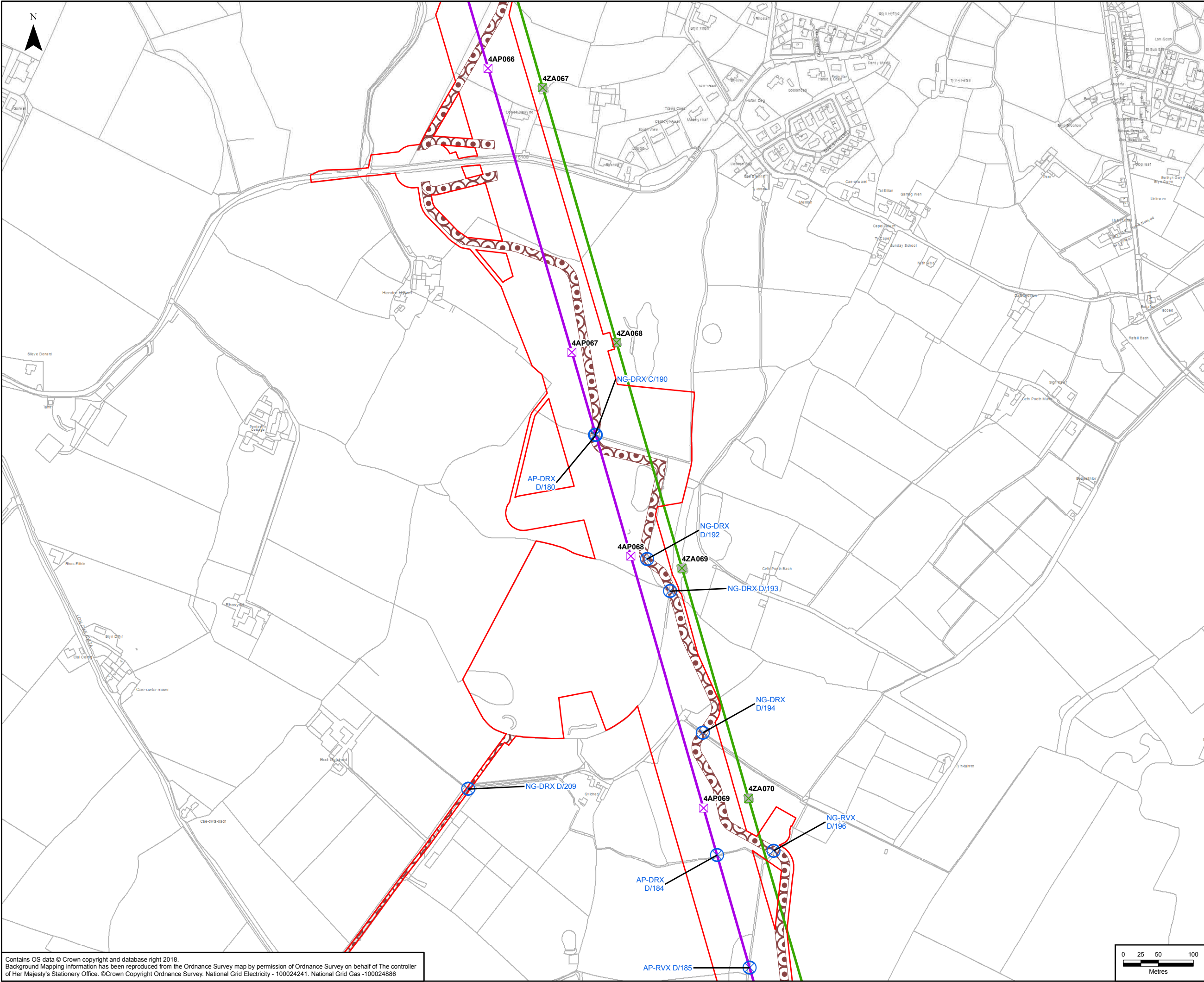


LEGEND

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- WATERCOURSE CROSSING LOCATION
- NEW GENTRY (FULL LINE TENSION)
- NEW GENTRY
- GENTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
- EXISTING OVERHEAD LINE TO BE MODIFIED
- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

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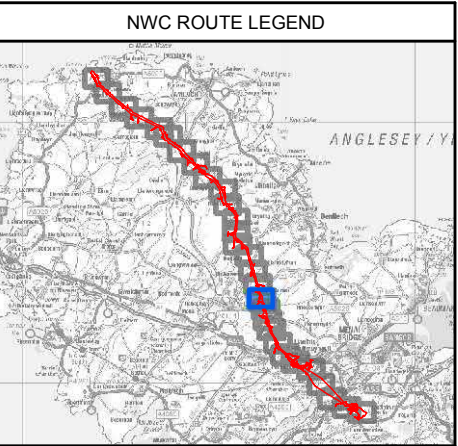
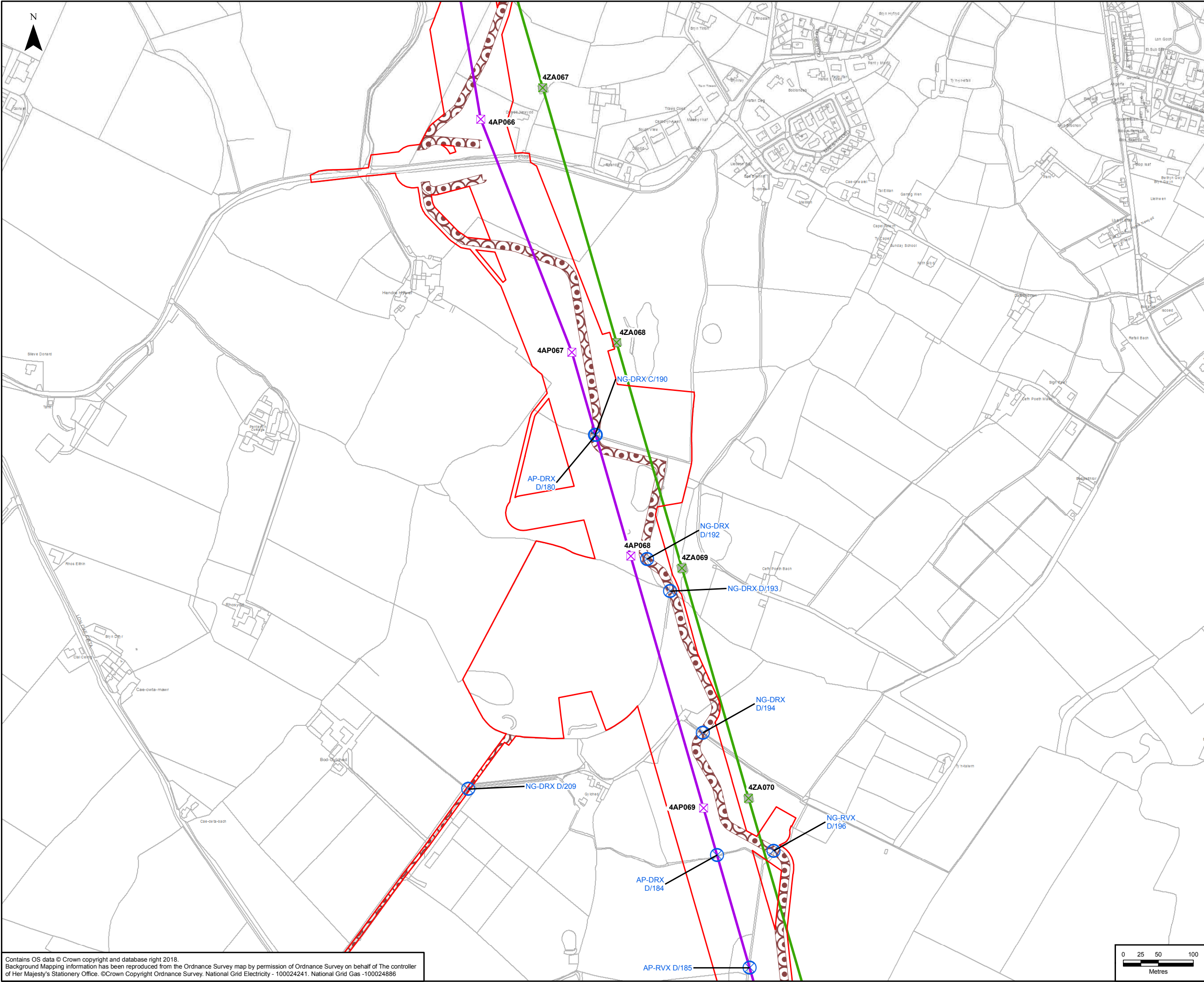
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NWC ROUTE LEGEND					
LEGEND					
	ORDER LIMITS - OPTION A				
	SECTION CUTLINES				
	WATERCOURSE CROSSING LOCATION				
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	NEW GANTRY				
	GANTRY TO BE REMOVED				
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	NEW LOW HEIGHT LATTICE PYLON				
	EXISTING LATTICE PYLON TO BE MODIFIED				
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	NEW OVERHEAD LINE				
	EXISTING OVERHEAD LINE TO BE REMOVED				
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	EXISTING OVERHEAD LINE NOT AFFECTED				
	ACCESS - NATIONAL GRID				
	AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED				
	PROPOSED SUBSTATION EXTENSION FOOTPRINT				
	EXISTING 132KV OUTDOOR SUBSTATION				
	EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT				

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- LEGEND**
- ORDER LIMITS - OPTION B
 - SECTION CUTLINES
 - WATERCOURSE CROSSING LOCATION
 - NEW GANTRY (FULL LINE TENSION)
 - NEW GANTRY
 - GANTRY TO BE REMOVED
 - NEW LATTICE PYLON
 - NEW LOW HEIGHT LATTICE PYLON
 - EXISTING LATTICE PYLON TO BE REMOVED
 - EXISTING LATTICE PYLON TO BE MODIFIED
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 - NEW OVERHEAD LINE
 - EXISTING OVERHEAD LINE TO BE REMOVED
 - EXISTING OVERHEAD LINE TO BE MODIFIED
 - EXISTING OVERHEAD LINE NOT AFFECTED
 - ACCESS - NATIONAL GRID
 - AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
 - PROPOSED SUBSTATION EXTENSION FOOTPRINT
 - EXISTING 132KV OUTDOOR SUBSTATION
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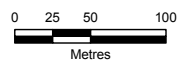
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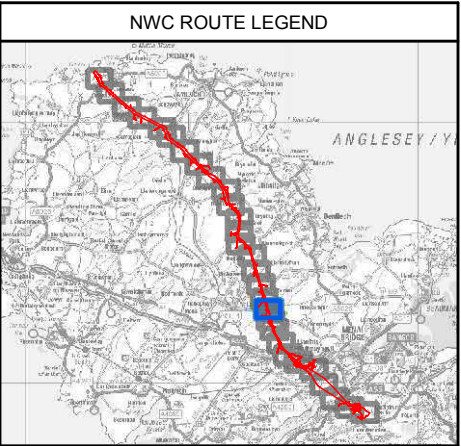
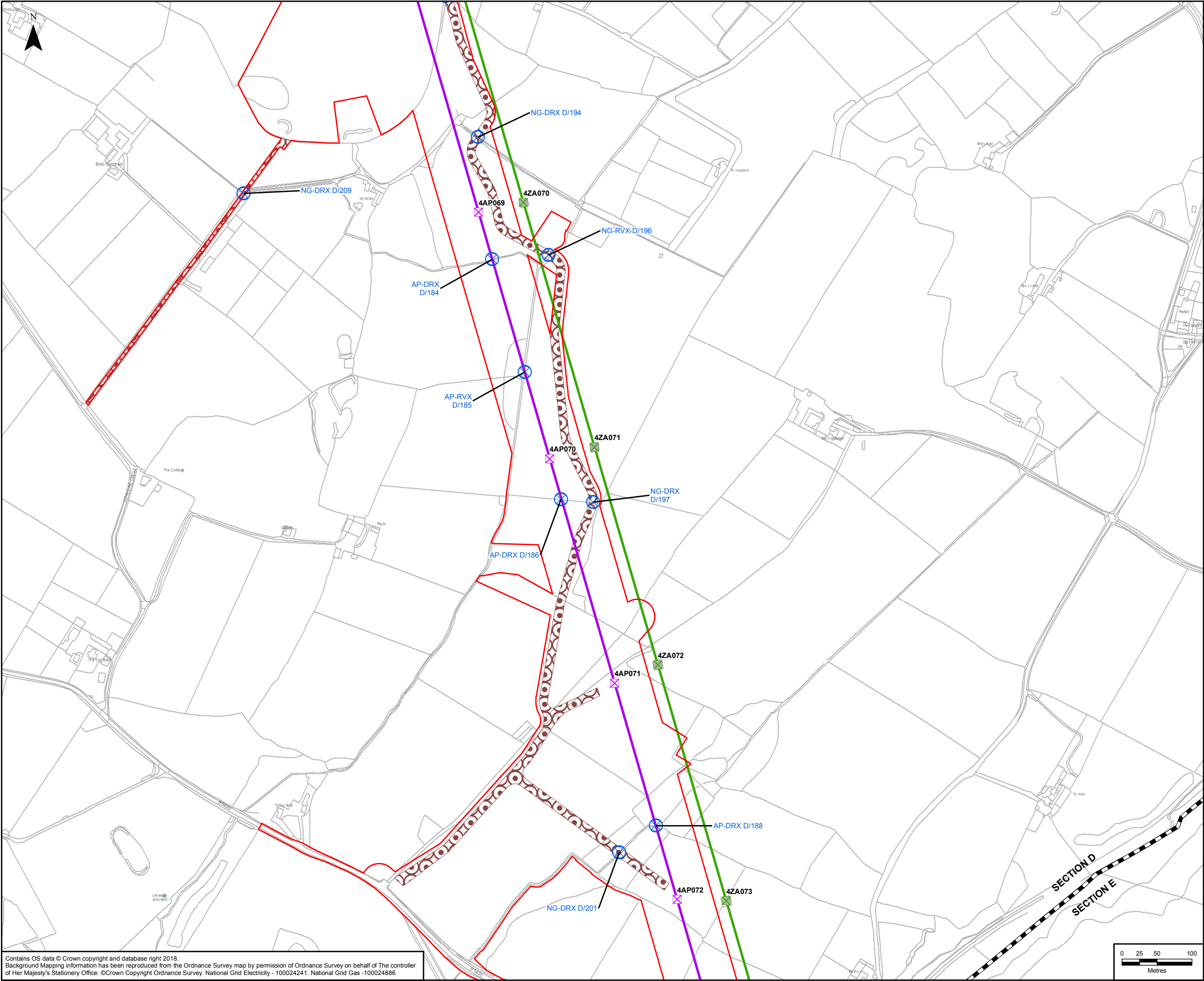
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WATERCOURSE CROSSING SCHEDULE
SECTION D OPTION B

Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
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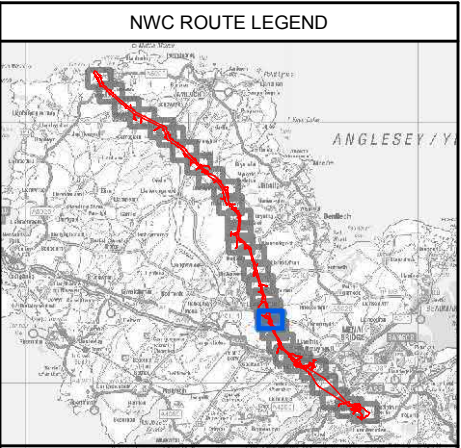
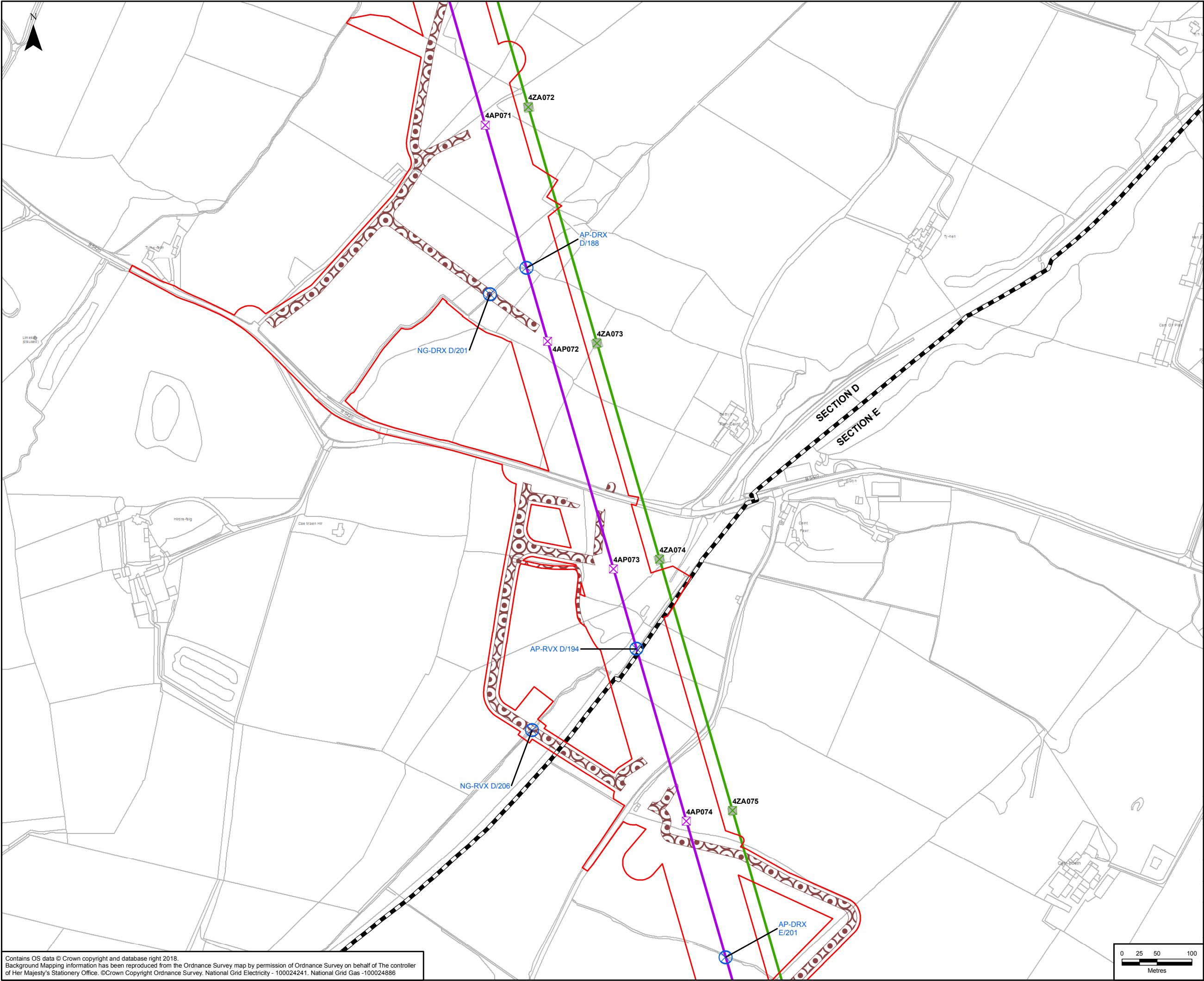


LEGEND

- ORDER LIMITS
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
- EXISTING OVERHEAD LINE TO BE MODIFIED
- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH WALES CONNECTION PROJECT					
Document Number: 5.3.2.2					
Document Title: FIGURE 1 WATERCOURSE CROSSING SCHEDULE SECTION D					
Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 19 of 29	Rev: A	

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LEGEND

- ORDER LIMITS
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
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- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App

nationalgrid

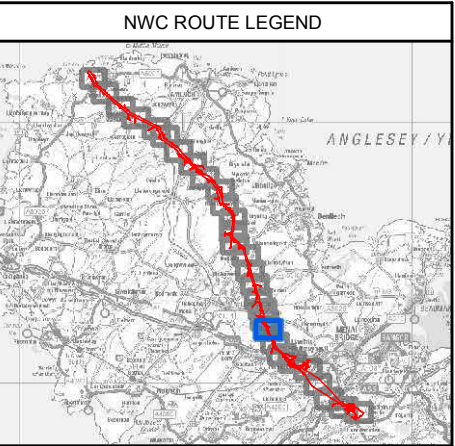
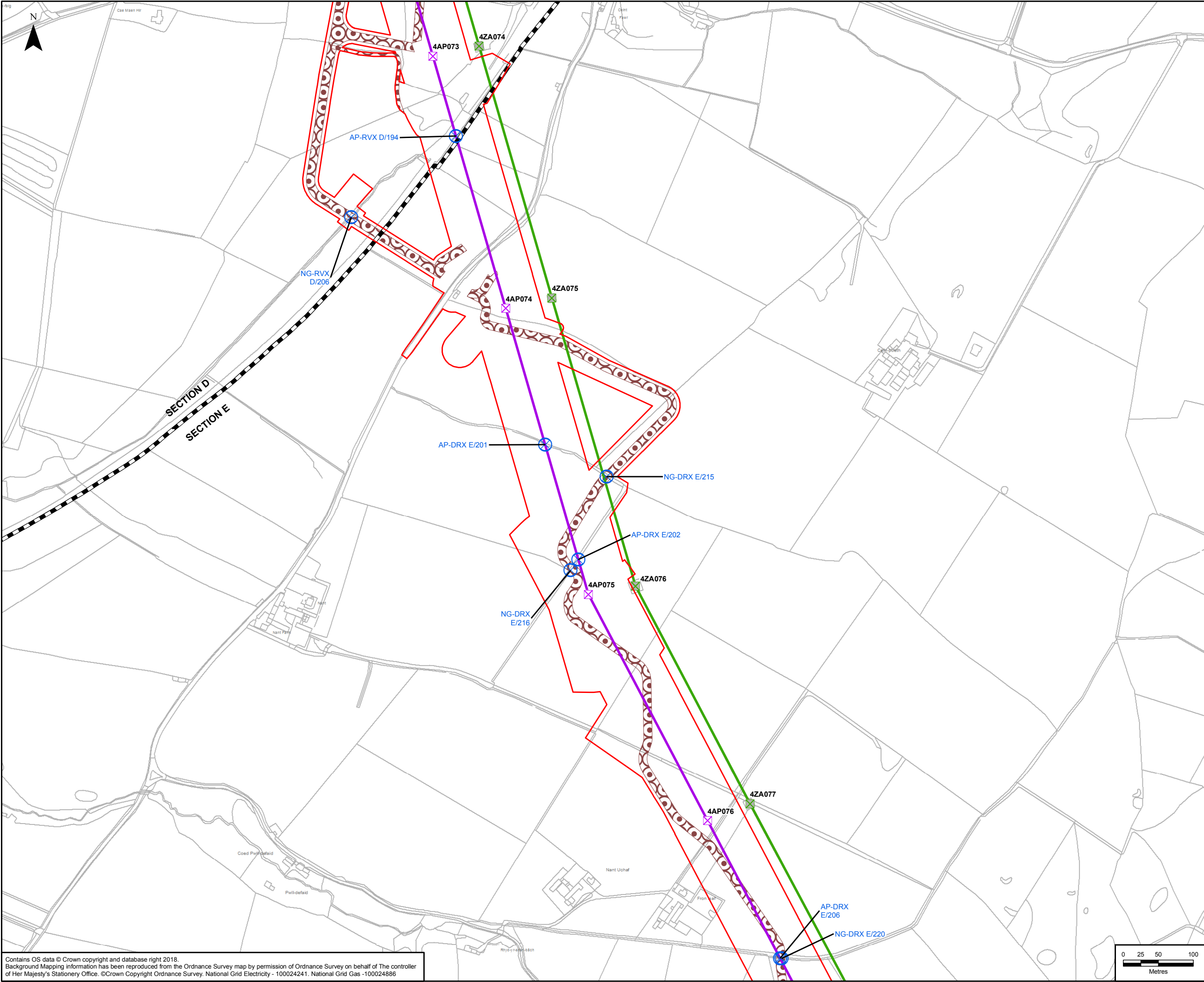
Scheme: NORTH WALES CONNECTION PROJECT

Document Number: 5.3.2.2

Document Title: FIGURE 1
WATERCOURSE CROSSING SCHEDULE
SECTION D

Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 20 of 29	Rev: A	

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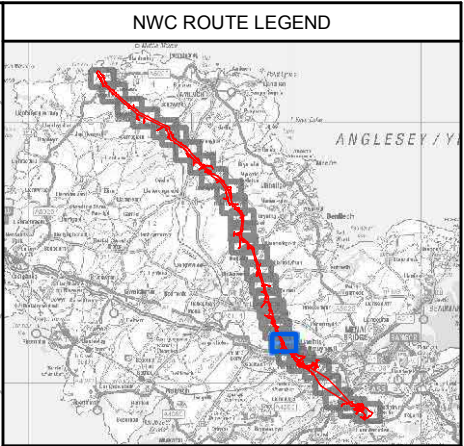
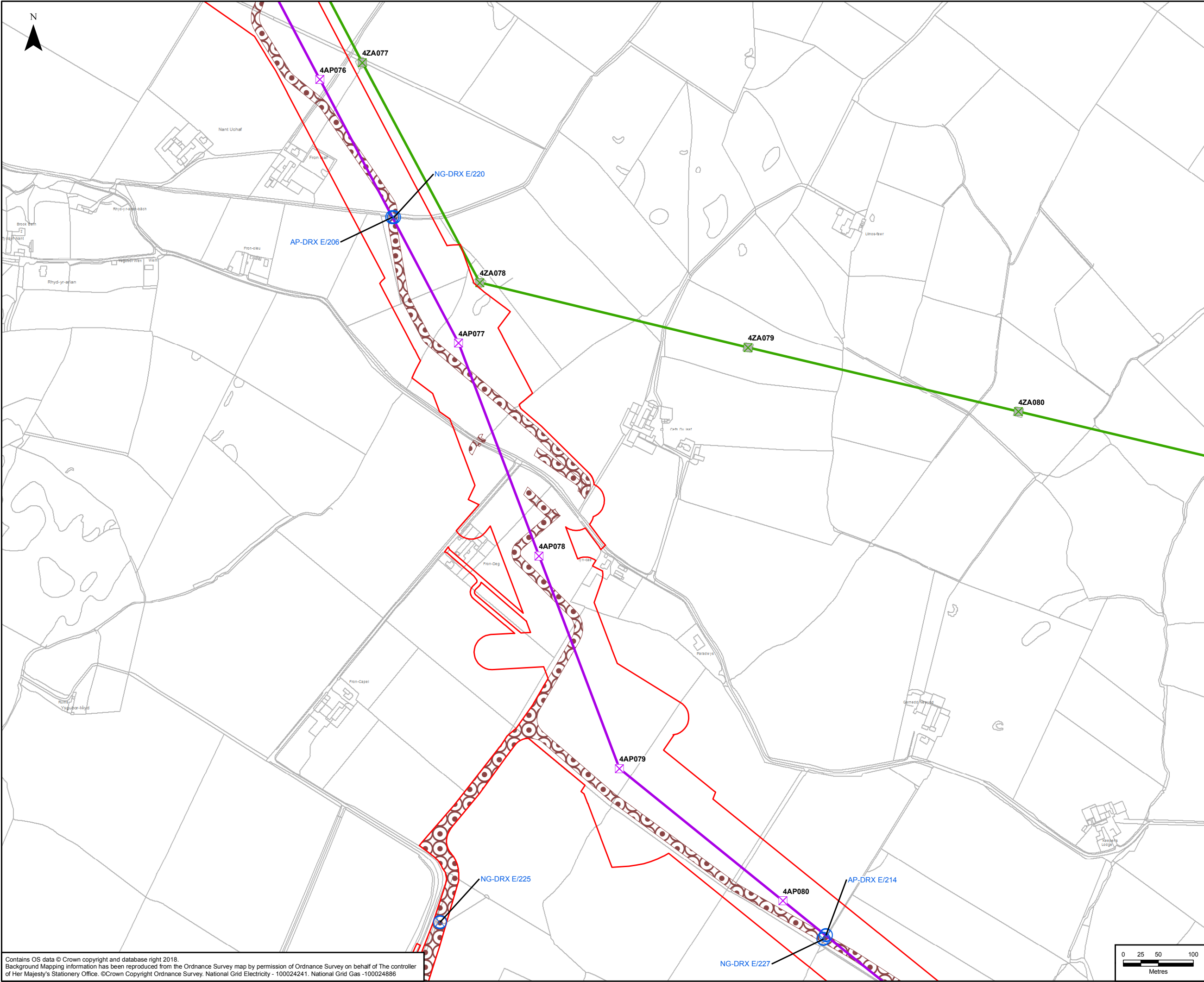


LEGEND					
	ORDER LIMITS				
	SECTION CUTLINES				
	WATERCOURSE CROSSING LOCATION				
	NEW GANTRY (FULL LINE TENSION)				
	NEW GANTRY				
	GANTRY TO BE REMOVED				
	NEW LATTICE PYLON				
	NEW LOW HEIGHT LATTICE PYLON				
	EXISTING LATTICE PYLON TO BE REMOVED				
	EXISTING LATTICE PYLON TO BE MODIFIED				
	EXISTING LATTICE PYLON NOT AFFECTED				
	NEW OVERHEAD LINE				
	EXISTING OVERHEAD LINE TO BE REMOVED				
	EXISTING OVERHEAD LINE TO BE MODIFIED				
	EXISTING OVERHEAD LINE NOT AFFECTED				
	ACCESS - NATIONAL GRID				
	AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED				
	PROPOSED SUBSTATION EXTENSION FOOTPRINT				
	EXISTING 132KV OUTDOOR SUBSTATION				
	EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT				

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App

Scheme: NORTH WALES CONNECTION PROJECT					
Document Number: 5.3.2.2					
Document Title: FIGURE 1 WATERCOURSE CROSSING SCHEDULE SECTION E					
Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 21 of 29	Rev: A	

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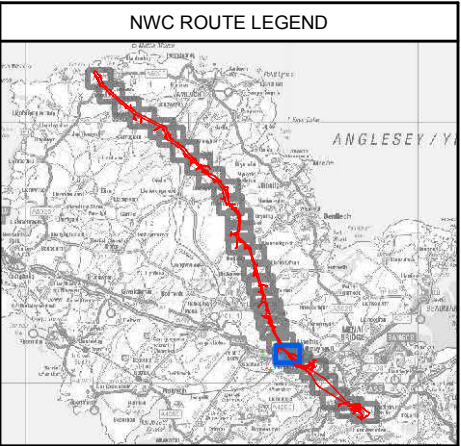
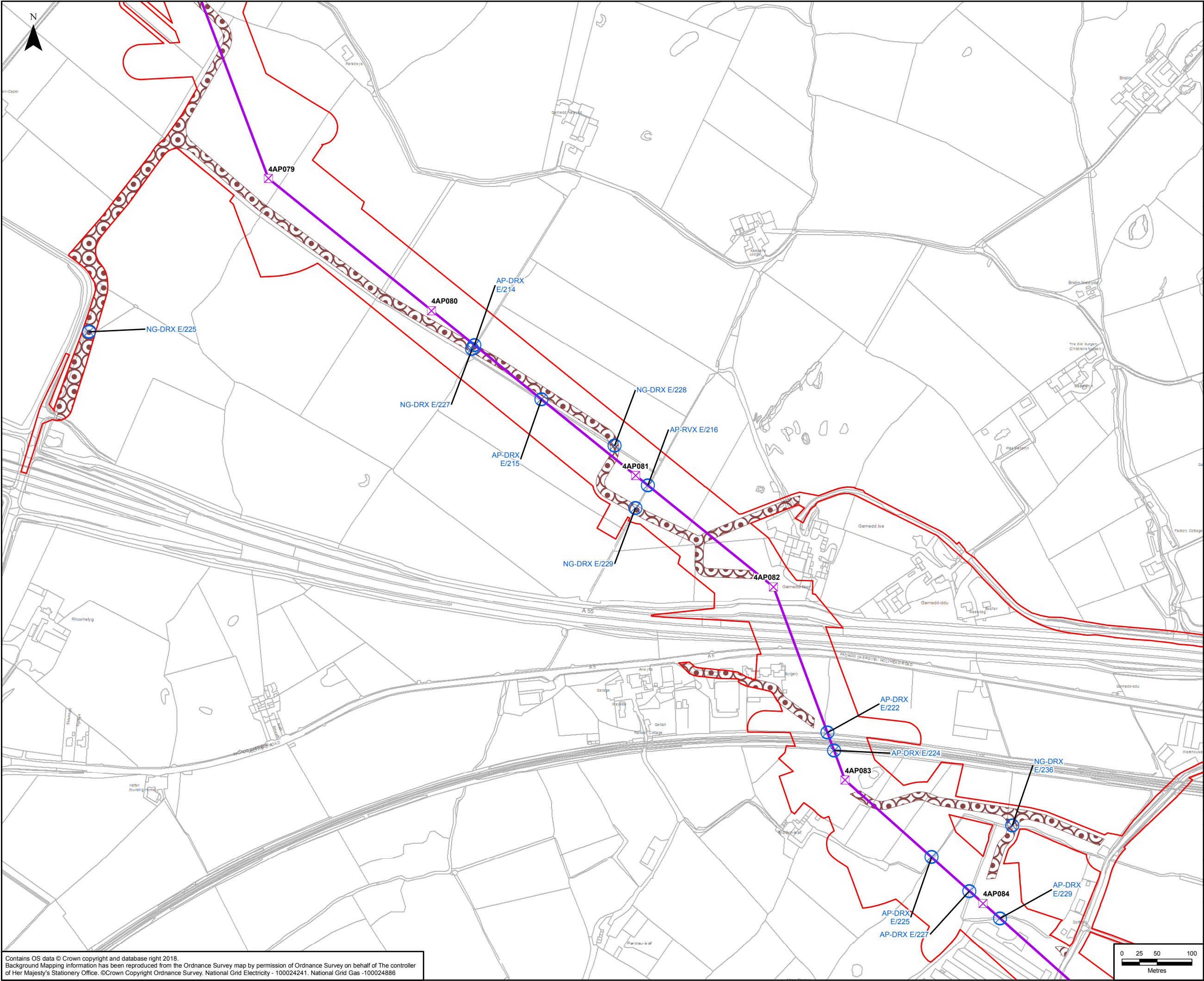


LEGEND

- ORDER LIMITS
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
- EXISTING OVERHEAD LINE TO BE MODIFIED
- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH WALES CONNECTION PROJECT					
Document Number: 5.3.2.2					
Document Title: FIGURE 1 WATERCOURSE CROSSING SCHEDULE SECTION E					
Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 22 of 29	Rev: A	

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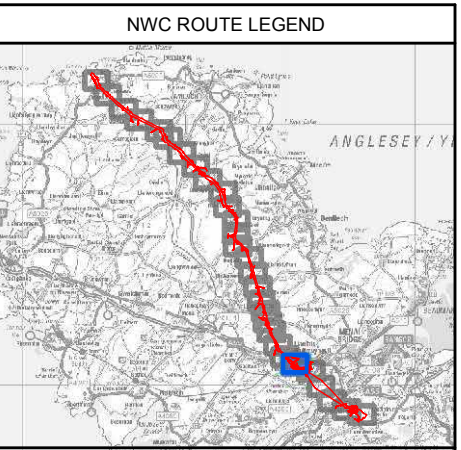
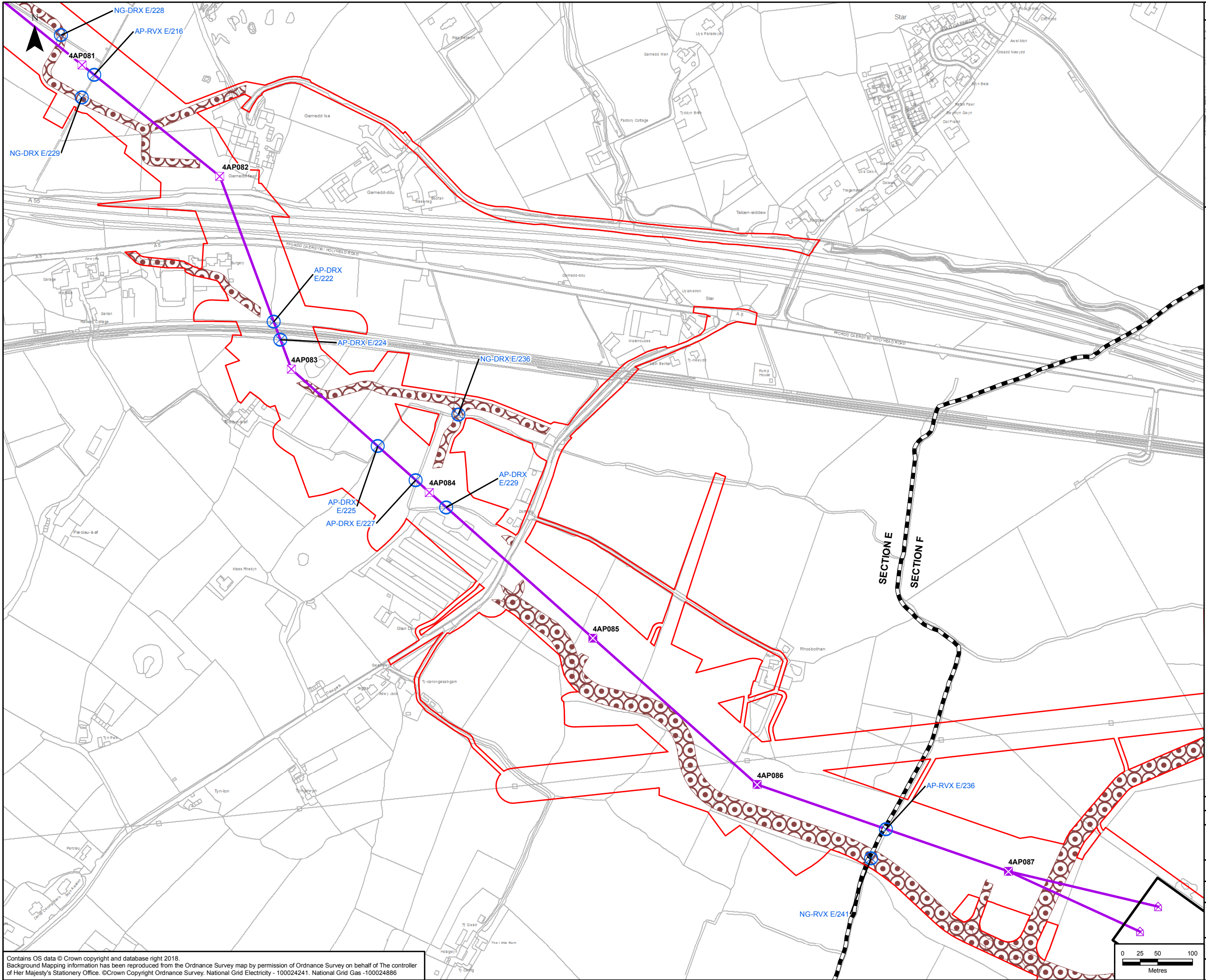


LEGEND

- ORDER LIMITS
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
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- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH WALES CONNECTION PROJECT					
Document Number: 5.3.2.2					
Document Title: FIGURE 1 WATERCOURSE CROSSING SCHEDULE SECTION E					
Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 23 of 29	Rev: A	

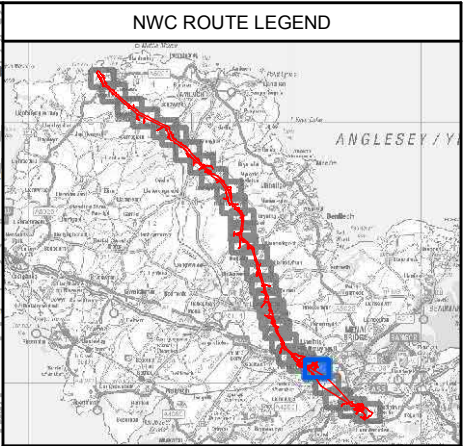
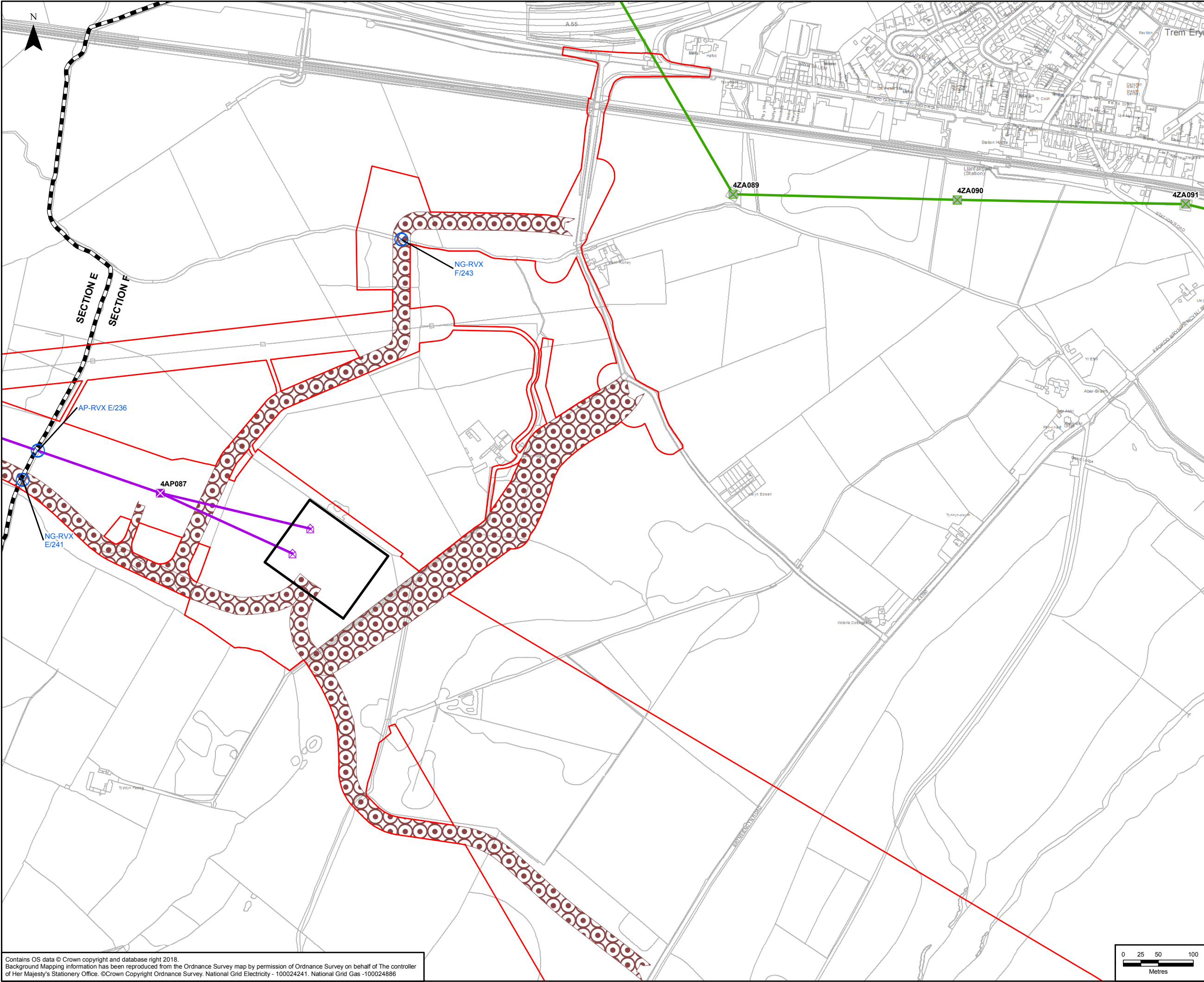
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NWC ROUTE LEGEND					
LEGEND					
	ORDER LIMITS				
	SECTION OUTLINES				
	WATERCOURSE CROSSING LOCATION				
	NEW GANTRY (FULL LINE TENSION)				
	NEW GANTRY				
	GANTRY TO BE REMOVED				
	NEW LATTICE PYLON				
	NEW LOW HEIGHT LATTICE PYLON				
	EXISTING LATTICE PYLON TO BE REMOVED				
	EXISTING LATTICE PYLON TO BE MODIFIED				
	EXISTING LATTICE PYLON NOT AFFECTED				
	NEW OVERHEAD LINE				
	EXISTING OVERHEAD LINE TO BE REMOVED				
	EXISTING OVERHEAD LINE TO BE MODIFIED				
	EXISTING OVERHEAD LINE NOT AFFECTED				
	ACCESS - NATIONAL GRID				
	AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED				
	PROPOSED SUBSTATION EXTENSION FOOTPRINT				
	EXISTING 132KV OUTDOOR SUBSTATION				
	EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT				

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App
Scheme: NORTH WALES CONNECTION PROJECT					
Document Number: 5.3.2.2					
Document Title: FIGURE 1 WATERCOURSE CROSSING SCHEDULE SECTION E					
Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 24 of 29	Rev: A	

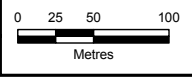
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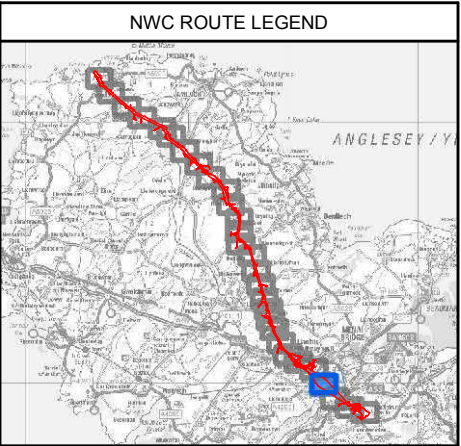
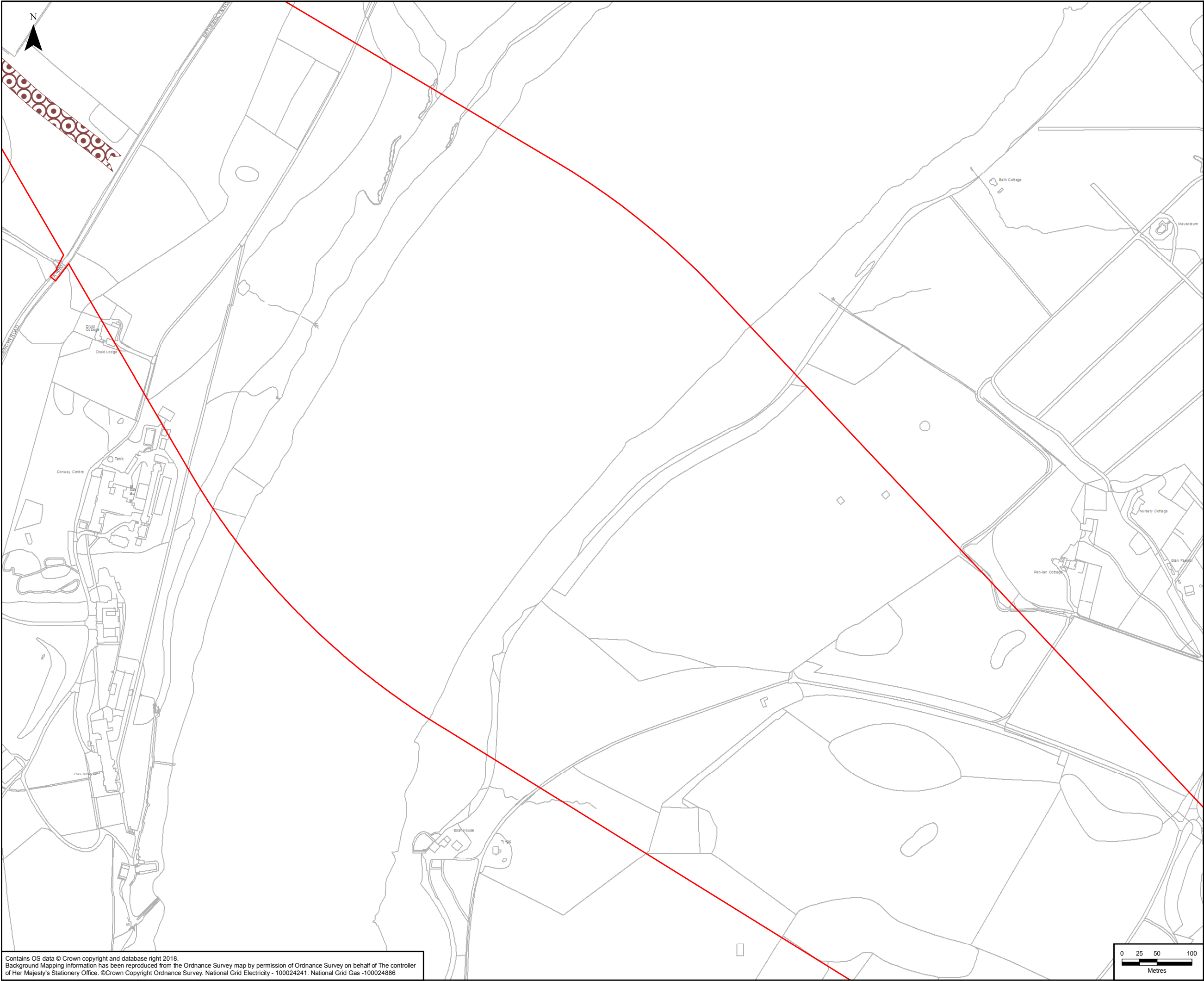


NWC ROUTE LEGEND					
LEGEND					
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	SECTION CUTLINES				
	WATERCOURSE CROSSING LOCATION				
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	NEW GANTRY				
	GANTRY TO BE REMOVED				
	NEW LATTICE PYLON				
	NEW LOW HEIGHT LATTICE PYLON				
	EXISTING LATTICE PYLON TO BE REMOVED				
	EXISTING LATTICE PYLON TO BE MODIFIED				
	EXISTING LATTICE PYLON NOT AFFECTED				
	NEW OVERHEAD LINE				
	EXISTING OVERHEAD LINE TO BE REMOVED				
	EXISTING OVERHEAD LINE TO BE MODIFIED				
	EXISTING OVERHEAD LINE NOT AFFECTED				
	ACCESS - NATIONAL GRID				
	AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED				
	PROPOSED SUBSTATION EXTENSION FOOTPRINT				
	EXISTING 132KV OUTDOOR SUBSTATION				
	EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT				

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App
Scheme: NORTH WALES CONNECTION PROJECT					
Document Number: 5.3.2.2					
Document Title: FIGURE 1 WATERCOURSE CROSSING SCHEDULE SECTION F					
Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 25 of 29	Rev: A	

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LEGEND

- ORDER LIMITS
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
- NEW OVERHEAD LINE
- EXISTING OVERHEAD LINE TO BE REMOVED
- EXISTING OVERHEAD LINE TO BE MODIFIED
- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App

nationalgrid

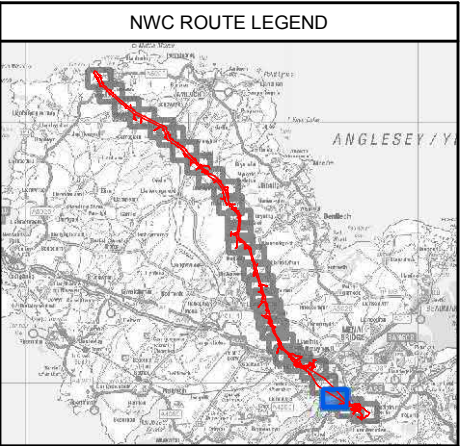
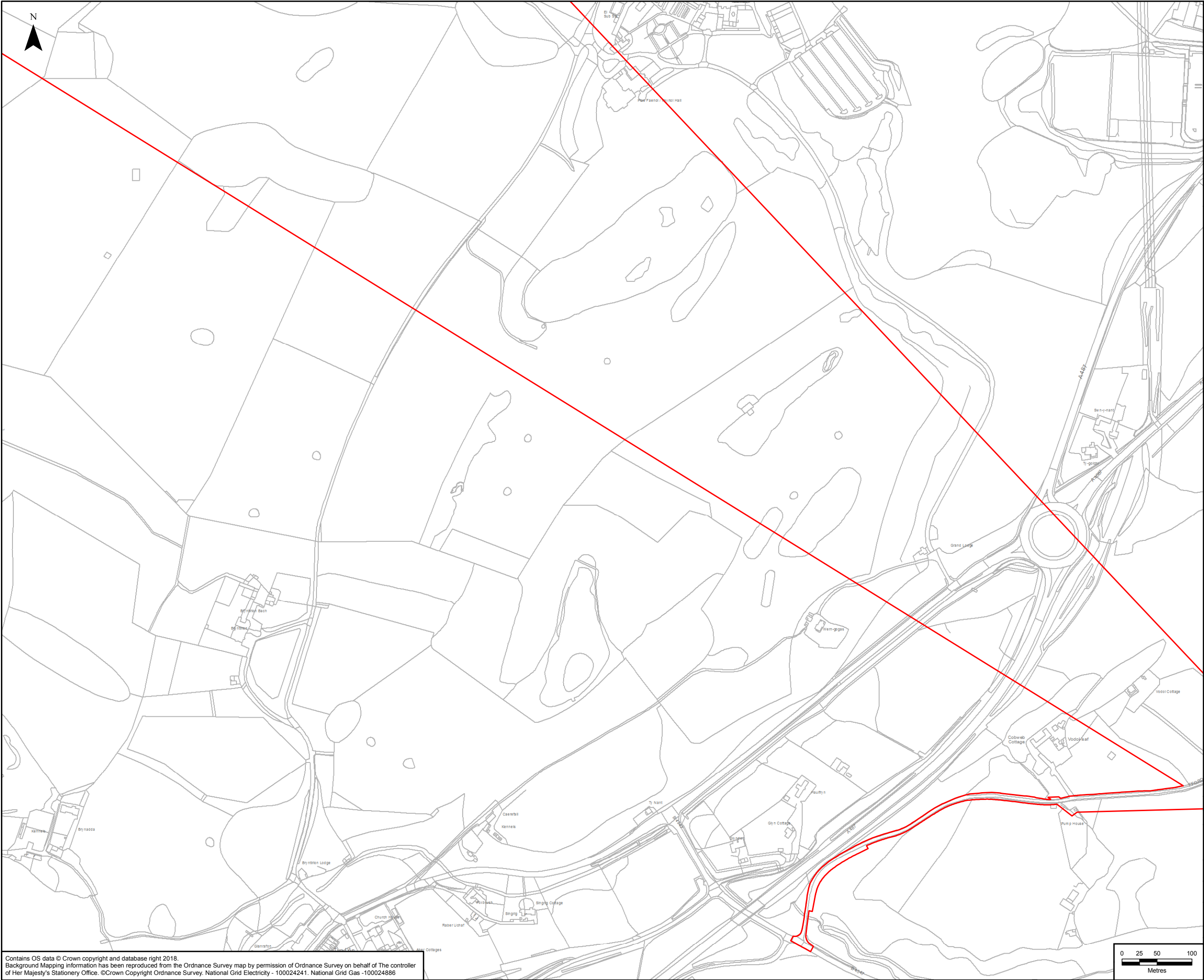
Scheme: NORTH WALES CONNECTION PROJECT

Document Number: 5.3.2.2

Document Title: FIGURE 1
WATERCOURSE CROSSING SCHEDULE
SECTION F

Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 26 of 29	Rev: A	

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LEGEND

- ORDER LIMITS
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
- EXISTING LATTICE PYLON NOT AFFECTED
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- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
- AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App

nationalgrid

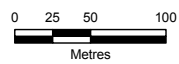
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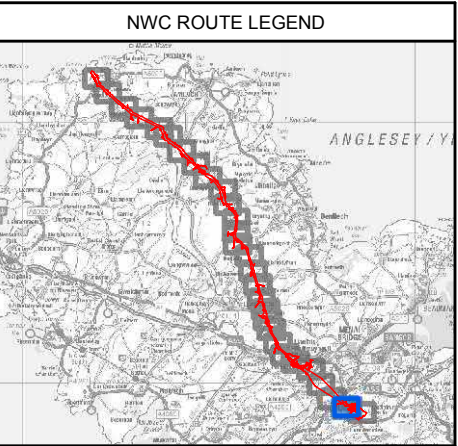
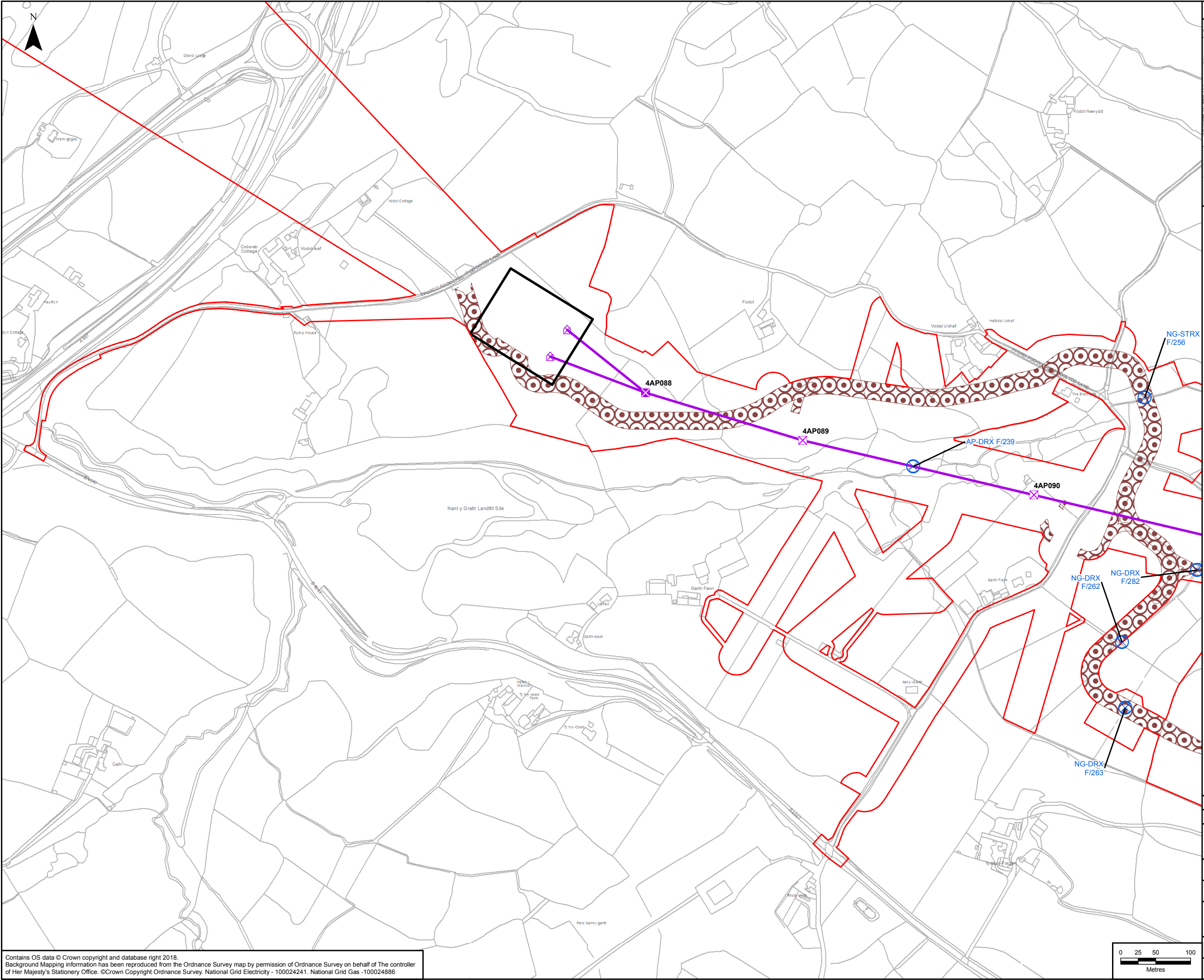
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Document Title: FIGURE 1
WATERCOURSE CROSSING SCHEDULE
SECTION F

Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 27 of 29	Rev: A	

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LEGEND

- ORDER LIMITS
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
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- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App

nationalgrid

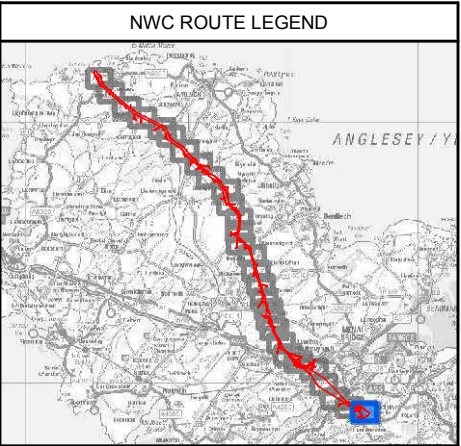
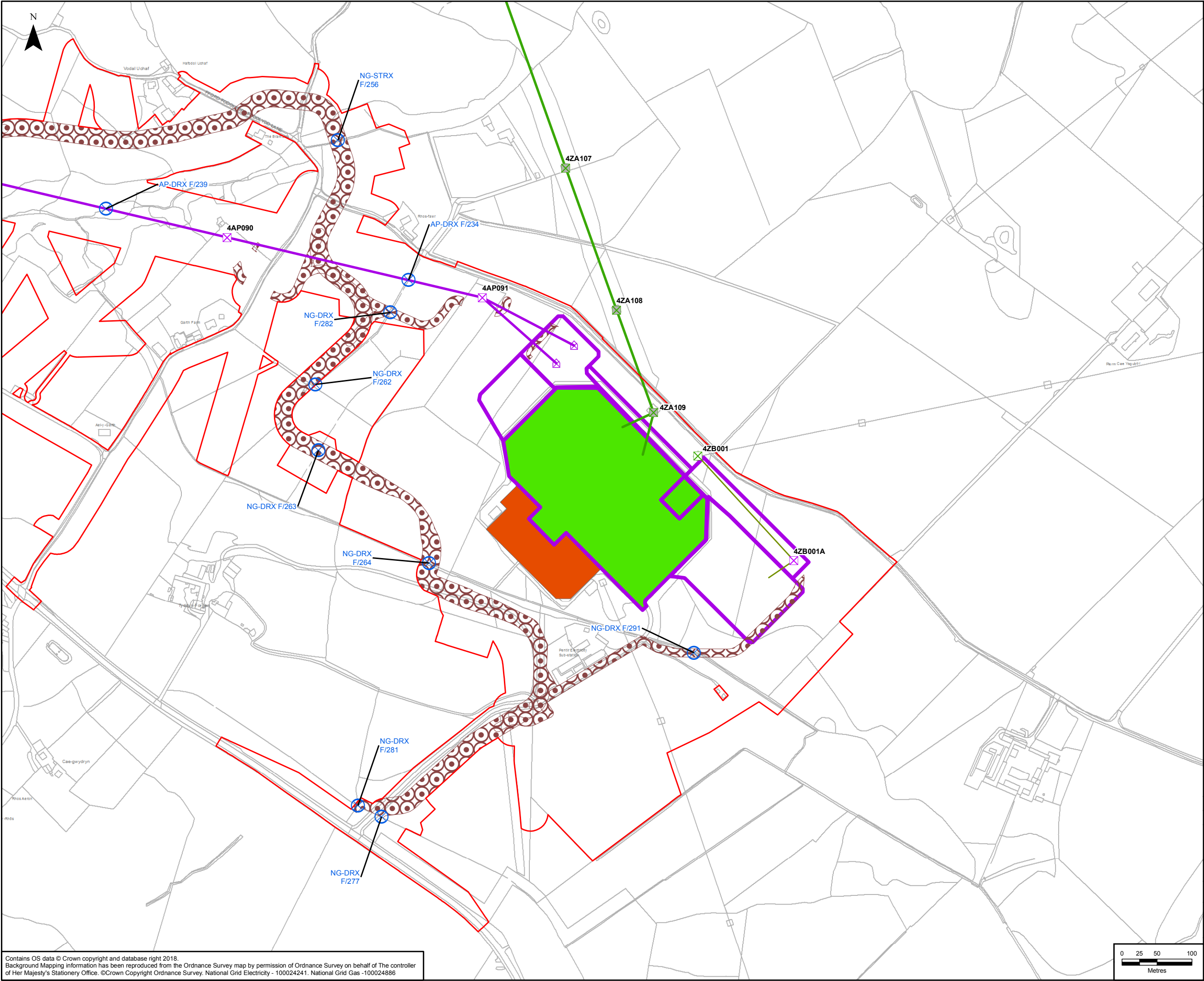
Scheme: NORTH WALES CONNECTION PROJECT

Document Number: 5.3.2.2

Document Title: FIGURE 1
WATERCOURSE CROSSING SCHEDULE
SECTION F

Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 28 of 29	Rev: A	

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LEGEND

- ORDER LIMITS
- SECTION CUTLINES
- WATERCOURSE CROSSING LOCATION
- NEW GANTRY (FULL LINE TENSION)
- NEW GANTRY
- GANTRY TO BE REMOVED
- NEW LATTICE PYLON
- NEW LOW HEIGHT LATTICE PYLON
- EXISTING LATTICE PYLON TO BE REMOVED
- EXISTING LATTICE PYLON TO BE MODIFIED
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- EXISTING OVERHEAD LINE NOT AFFECTED
- ACCESS - NATIONAL GRID
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- PROPOSED SUBSTATION EXTENSION FOOTPRINT
- EXISTING 132KV OUTDOOR SUBSTATION
- EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT

A	28/06/2018	ENVIRONMENTAL STATEMENT	JB	JF	CC
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: NORTH WALES CONNECTION PROJECT

Document Number: 5.3.2.2

Document Title: FIGURE 1
WATERCOURSE CROSSING SCHEDULE
SECTION F

Creator: JB	Date: 28/06/2018	Checker: JF	Date: 28/06/2018	Approver: CC	Date: 28/06/2018
Document Type: FIGURE	Scale: 1:5,000	Format: A3	Sheets: 29 of 29	Rev: A	