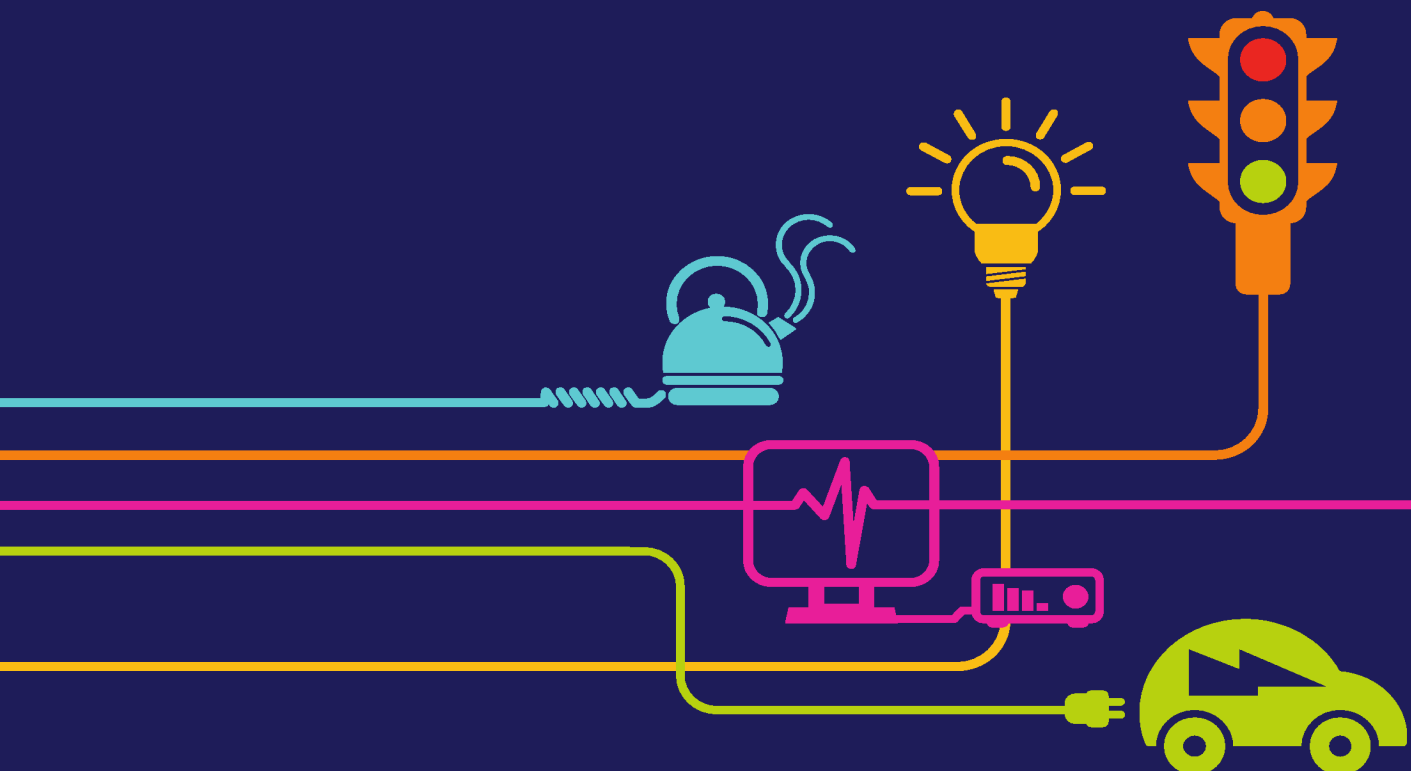


# Plan Guidance Document

National Grid (North Wales Connection Project)

*Regulation 5(2)(g) of the Infrastructure Planning  
(Applications: Prescribed Forms and Procedure) Regulations 2009*





national**grid**

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# **North Wales Connection Project**

## **Volume 4**

### **4.14 Plans Guidance Document**

National Grid  
National Grid House  
Warwick Technology Park  
Gallows Hill  
Warwick  
CV34 6DA

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# 1 Introduction

At National Grid, our job is to connect people to the energy they use, whether to heat and light homes, or to keep factories and offices running. As old power stations close new sources of energy need to be connected to our network, so that electricity continues to be available at the flick of a switch.

One of these new sources of energy is the proposed Wylfa Newydd nuclear power station on Anglesey. In order to transport the energy from Wylfa Newydd around the UK, National Grid needs to connect it to the high-voltage electricity network.

The existing electricity network on Anglesey and in north Gwynedd is not sufficient to carry the proposed energy generation so National Grid needs to build a new connection between Wylfa and Pentir in Gwynedd. This is in addition to an existing overhead line on Anglesey. This new infrastructure project is known as the North Wales Connection Project

The Proposed Development consists of the following principle activities:

- A second 400kV overhead line between the proposed Wylfa Newydd nuclear power station in Anglesey and Pentir substation in Gwynedd. This would be approximately 30km long and would be built using lattice pylons;
- A tunnel to carry the electricity beneath the Menai Strait and Anglesey AONB. This would be approximately 4km long and include a Sealing End Compound and Tunnel Head House at each end;
- Extensions to the existing electricity substations at Wylfa and Pentir; and
- Other works, for example, temporary access roads to reach pylon construction and demolition areas, highway works, construction compounds, protective scaffold structures, bridge structures, pylon work sites and ancillary works.

To explain our Proposed Development, we have prepared a series of documents, including maps and plans.

This booklet specifically provides more detail about the plans that are available (**Documents 4.0.1 to 4.13**) and provides a guide as to what is shown on each plan. This document is also available in Welsh (**Document 8.5**).

## 2 Available Plans and Figures

### 2.1 LIST OF PLANS AND FIGURES AVAILABLE

We have submitted a number of plans to support our application for consent that form Volume 4 of our application documents (**Documents 4.0.1 to 4.13**). In addition to these plans and drawings, we have produced a series of plans, referred to as figures that form part of the Environmental Statement (ES) (**Documents 5.1 to 5.21**) that when read with the ES provides further information on our application.

Whilst the plans illustrate many aspects of the Proposed Development, they do not explain the rationale for the design. This can be found in National Grid's Design Report (**Document 7.17**) which has been published to accompany the application. As part of the application an assessment of the potential environmental effects that the project could have are described in the ES (**Documents 5.1 to 5.21**) and are summarised in its accompanying Non-Technical Summary (**Document 5.0**).

The plans published to support our application are:

**4.0.1 Overall Location Plan** - the whole proposed route from Wylfa to Pentir.

**4.0.2 Master Key Plan** - this shows the geographical sections which will help you to identify the plan that you want to view.

**4.1 Land Affected Plans** - shows the boundaries of all land affected, within which National Grid proposes to build the connection.

**4.2 Land Plans** - shows the boundary within which National Grid proposes to build the connection and the powers or rights to be exercised over the land.

**4.3 Special Category Land Plans and Crown Land Plans** - show the boundary within which National Grid proposes to build the connection and any special category land, such as common land, Crown Land or land owned by special bodies such as the National Trust. Not all parts of the proposed route have Special Category Land and Crown Land plans.

**4.4 Works Plans** - show the proposed limits of National Grid's DCO, the route of the development in each section and the distance either side of the proposed route where work may be carried out, known as the 'Limits of Deviation'.

**4.5 Access and Rights of Way Plans** - show any changes proposed to public roads, footpaths, bridleways and rights of navigation and access to these.

**4.6 Other Environmental Features Plans:** show other areas of particular environmental importance in the vicinity of our proposals.

**4.7 Statutory or Non-Statutory Sites or Features of Nature Conservation, Habitats and Water Bodies Plans** - show locations that are of particular environmental importance, including areas that are important for the protection of nature or are protected habitats.

**4.8 Habitats of Protected Species, Important Habitats or Other Diversity Features Plans** - show locations of protected species' habitats.

**4.9 Confidential: Habitats of Protected Species – Location of Badger Setts Plans** - show the location of protected species and badger setts. Due to the legal status of protected species and badger setts these plans will not be made publicly available.

**4.10 Statutory or Non-Statutory Sites or Features of the Historic Environment Plans** - show locations of archaeological sites, scheduled monuments, historic buildings and other historic aspects of the landscape.

**4.11 Trees and Hedgerows Potentially Affected Plans** - show trees and hedges that National Grid may affect during construction of the proposed connection.

**4.12 Traffic Regulation Order Plans** - show the proposed traffic management National Grid would implement during the construction of the proposed connection.

**4.13 Design Plans** - provide details of the size and height of the proposed new infrastructure, including overheads lines, substation and Cable Sealing End Compounds.

## 2.2 FORMAT OF THE PLANS

All of the supporting plans are split into sections, so you can easily identify which parts of our work relate to the area of most interest to you, with the exception of the Design Plans (**Document 4.13**), which show generic detail relating to the proposed route. Each set of plans are accompanied by a legend to help you interpret them. The legends for all of these plans are provided in **Appendix A** at the end of this document.

The project is split into six main sections between Wylfa and Pentir Substations (Sections A – F). Sections C and D currently have two options for the route alignment. You will see our plans broken down in to the following sections:

- Section A: Wylfa to Rhosgoch;
- Section B: Rhosgoch to Llandyfrydog;
- Section C (Option A & Option B): Llandyfrydog to B5110 north of Talwrn;
- Section D (Option A & Option B): B5110 north of Talwrn to Ceint;
- Section E: Ceint to the Afon Braint; and
- Section F: Afon Braint to Pentir.

## 3 Plan Details

This section provides detail on what the different plans and drawings show. To make it easier to understand the plans, the colour and symbols used for the pylons and overhead lines are consistent throughout the plan series.

With the exception of the Design Drawings (**Document 4.13**), each plan series also has a specific section Key Plan at the start, which shows how a particular section has been further split into a number of different sheets to provide greater detail of the proposed Development (**Figure 2**).

### 3.1 OVERALL LOCATION PLAN (4.0.1)

This plan shows the location and a very high level view of the Proposed Development. The plan breaks down the works into new build, modification works to the existing overhead line between Wylfa and Pentir, and identifies the existing overhead line that will not be affected as part of our proposals.

The plan also shows the tunnel routing area, within which a new tunnel under the Menai Strait will be constructed.

An inset on the plan shows the two options we are applying for, but only shows the area where the options deviate most significantly. There are also small differences between the two options that are not detailed on this inset and can be seen on the individual section plans for sections C and D.

### 3.2 MASTER KEY TO SECTION IDENTIFICATION PLAN (4.0.2)

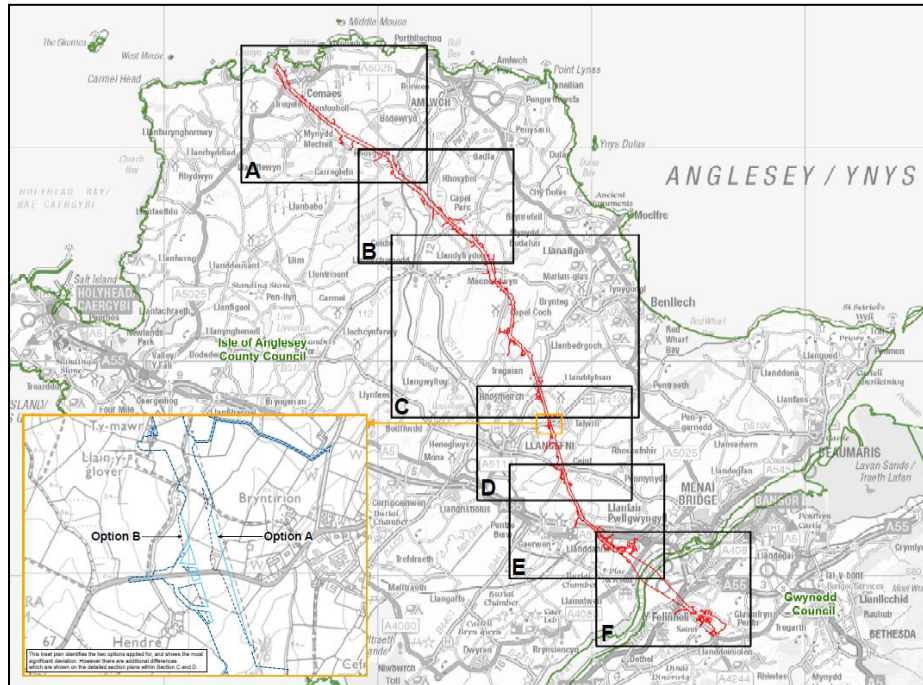
These plans help to orientate you and quickly locate an area or section along the Proposed Development that you are interested in. This plan shows the Order limits, which defines the area within which the Proposed Development will be constructed, including all of the land that may be required to deliver the project (**Figure 1**). All of our activities to construct, maintain and operate the new connection are contained within the Order Limits.

This plan also shows the six sections we have broken down our project into. These are the sections that we have split our plans up into, which are consistent across the plan series, with the exception of the Design Plans (**Document 4.13**).

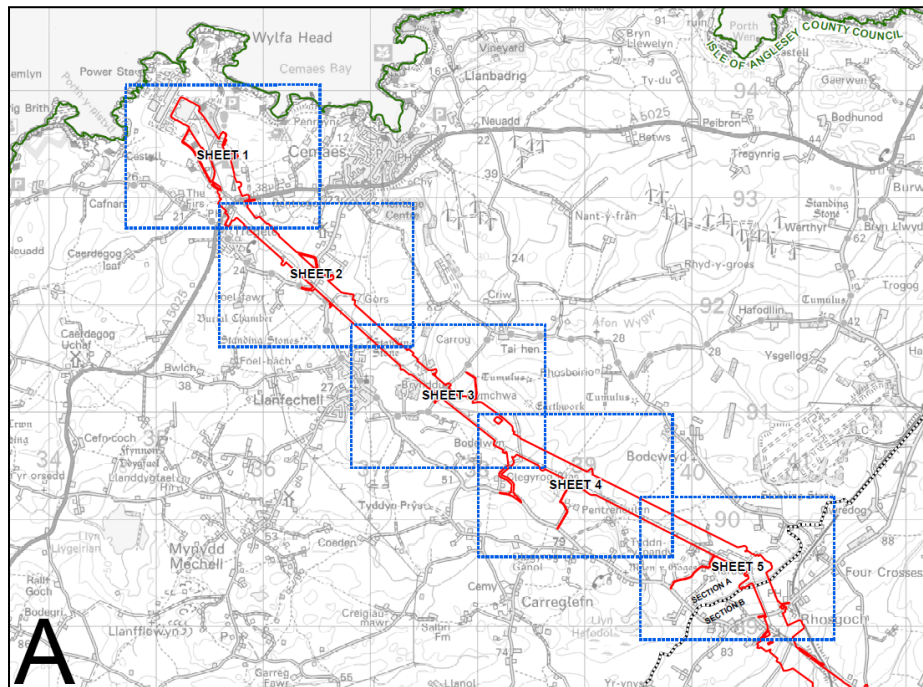
An inset on the plan shows the two options we are applying for, but only shows the area where the options deviate most significantly. There are also small differences

between the two options that are not detailed on this inset, however, these can be seen on the individual section plans for sections C and D.

**Figure 1: The Proposed Development**



**Figure 2: Example Key Plan**



### 3.3 LAND AFFECTED PLANS (4.1)

These plans show the Order limits, which define the area within which the Proposed Development may be constructed, including all of the land that may be required to deliver the project. The Order limits is shown on all of the plans with the exception of the Design Plans (**Document 4.13**).

### 3.4 LAND PLANS (4.2)

These plans show the types of statutory land powers we intend to seek for the land within the Order Limits. These land powers are split down into land plots and are given a unique plot number that can be found within the Book of Reference (**Document 3.3**). There are six different classes of land powers within our application, split into two categories:

#### **Power to Acquire Interests, Create and Acquire Rights and Impose Restrictions**

- Class 1: Compulsory Acquisition of Land – This means the acquisition of all interests and rights of the land. This is where National Grid will buy the land, for example, where we will be constructing permanent buildings, such as at the Tunnel Head Houses and the Pentir substation extension;
- Class 2: Compulsory Acquisition of Land More Than 9 metres Beneath Surface Only – This means the acquisition of an interest in a strata of the subsoil / ground under of the land. This applies to the tunnel section of the project where National Grid need to obtain the land interest more than 9 metres below the surface in order for us to build our tunnel. These interests are so we can, operate and maintain the main tunnel element of the Proposed Development. The amount of land we need once we've built the tunnel will be less than currently shown. This is because until we start to build it, we won't know exactly what land we need. The Statement of Reasons and Design Drawings detail this further;
- Class 3: Compulsory Acquisition of Rights for the Authorised Development – This means the acquisition of rights on the surface of the land. This applies to the parts of the project that are above ground, such as the sections of new overhead line. These rights are so we can construct, operate and maintain the Proposed Development;
- Class 4: Compulsory Acquisition of Rights of Access – This means the acquisition of rights on the surface of the land for access. These rights are so we can access our project to enable us to construct, operate and maintain the Proposed Development;

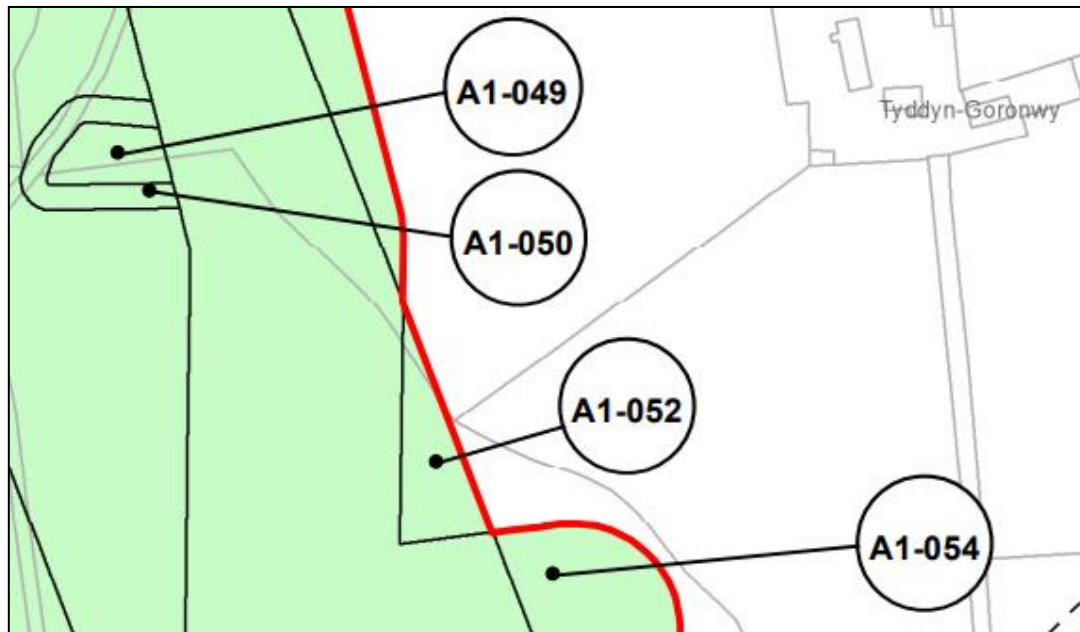
#### **Temporary Use Of land**

- Class 5: Temporary Use for Construction, Mitigation, Maintenance and Dismantling – This means the temporary acquisition of rights on the surface of the land. These rights are so we can construct and maintain the Proposed Development. We will only temporarily use these areas of land; and
- Class 6: Temporary Use for Access – This means the temporary use of rights on the surface of the land for temporary access. These are so we can

temporarily access the Proposed Development and we will only ever temporarily use these areas of land.

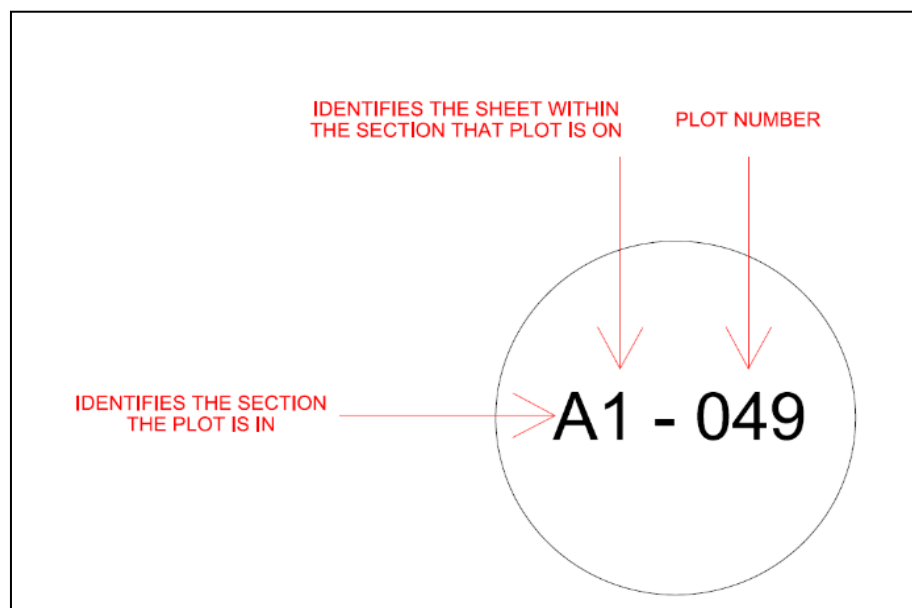
On the land plans, each of the individual land plots are given their own unique reference number and are labelled, as shown in **Figure 3**.

**Figure 3: Example of Unique ID and Labelling on the Land Plan**



These plot numbers, for example A1-049, refer to the section and page that the plot is shown on. For example, the letter (A) refers to which section the land plot lies within, the number that follows the letter (1) identifies which sheet within that section that the plot is located on, and the number after the hyphen is the plot number on that sheet. This information is explained in **Figure 4**.

**Figure 4: Example Plot Labelling**





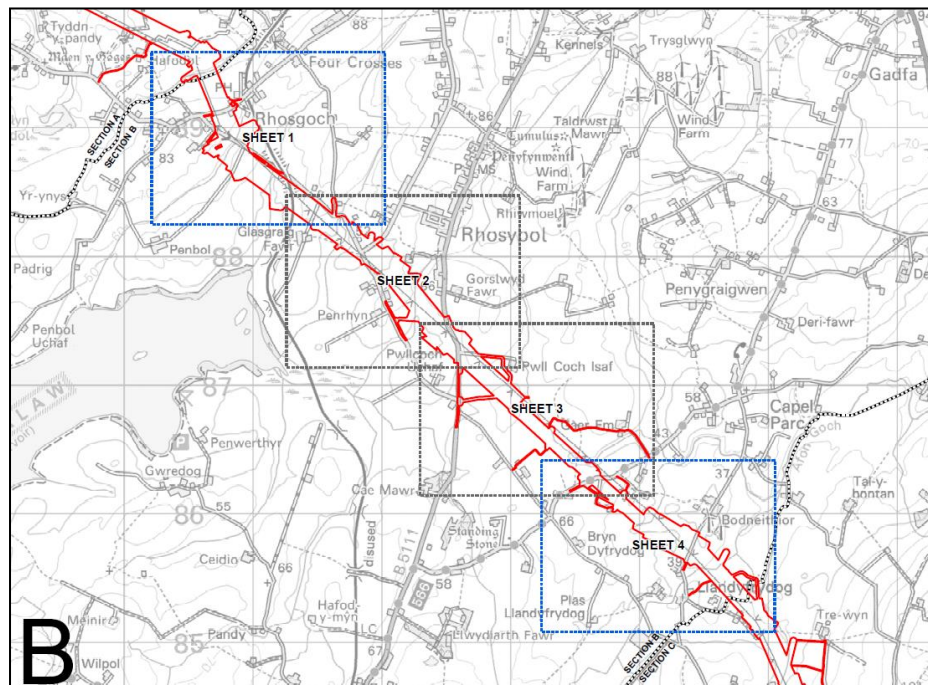
### 3.5 CROWN AND SPECIAL CATEGORY LAND PLAN (4.3)

These plans show any land that is defined as Crown Land or Special Category Land. The land is broken down into the same plots as shown on the Land Plans and the same numbering is used as shown in **Figure 4**. Only the plots that are Crown Land or Special Category Land are shown. The Key Plans for these plans are slightly different as only sheets that have affected land are highlighted, any sheets with no Special Category Land are greyed out (**Figure 5**) as these are not provided with the set of plans.

The two types of land can be summarised as follows:

- Crown Land is land with a Crown interest or a Duchy interest, and includes interests belonging to a Government Department; and
- Special Category Land is defined as the land identified as forming part of a common, open space, National Trust land, or a fuel or field garden allotment.

**Figure 5: Crown and Special Category Land Plan Key Plan**



### 3.6 WORKS PLANS (4.4)

These plans show the permanent aspects of the Proposed Development that is described in Schedule 1 within our draft Development Consent Order (DCO) (**Document 2.1**). The plans show the proposed alignment centrelines of the linear works that make up our application (Works No's (2-7, 8g, 9 and 10)), along with indicative pylon locations for the OHL. In respect of the permanent linear works (the OHL and main tunnel (including cables)) which will be subject to the Limits of Deviation, commencement and termination lines are shown for identification purposes only, and relate to the principle elements of the work only. Also shown on the plan are the areas within which the Tunnel head House and Cable Sealing Ends and Substation works can be located, as well as the construction compound areas.

The plans also show the Limits of Deviation (LoD) that we are applying for, which give us some flexibility in our design in respect of the linear works. We have applied a standard approach to the LoD to most of the route, however there are some areas along the route where local constraints may mean that we have had to restrict them. You can find out more about the Limits of Deviation by looking at Design Plan DCO\_DE/PS/10\_03 within **Document 4.13**.

Due to the way that our proposed overhead line interacts with the existing overhead line, which runs from Wylfa to Pentir, we have split the works for the overhead line sections into the following categories:

- New Overhead Line – this is sections of completely new overhead line;
- Existing Overhead Line to be modified – this is sections of existing overhead line that is to be modified with either new earthwire, conductors or modified foundations;
- Existing Overhead Line to be removed – this is sections of the existing overhead line that we will be removing; and
- Existing Overhead Line not affected – this is sections of the existing overhead line that are will not be affected by our project.

We have also split the pylons down into four categories:

- New;
- Existing to be modified;
- Existing to be removed; and
- Existing not affected.

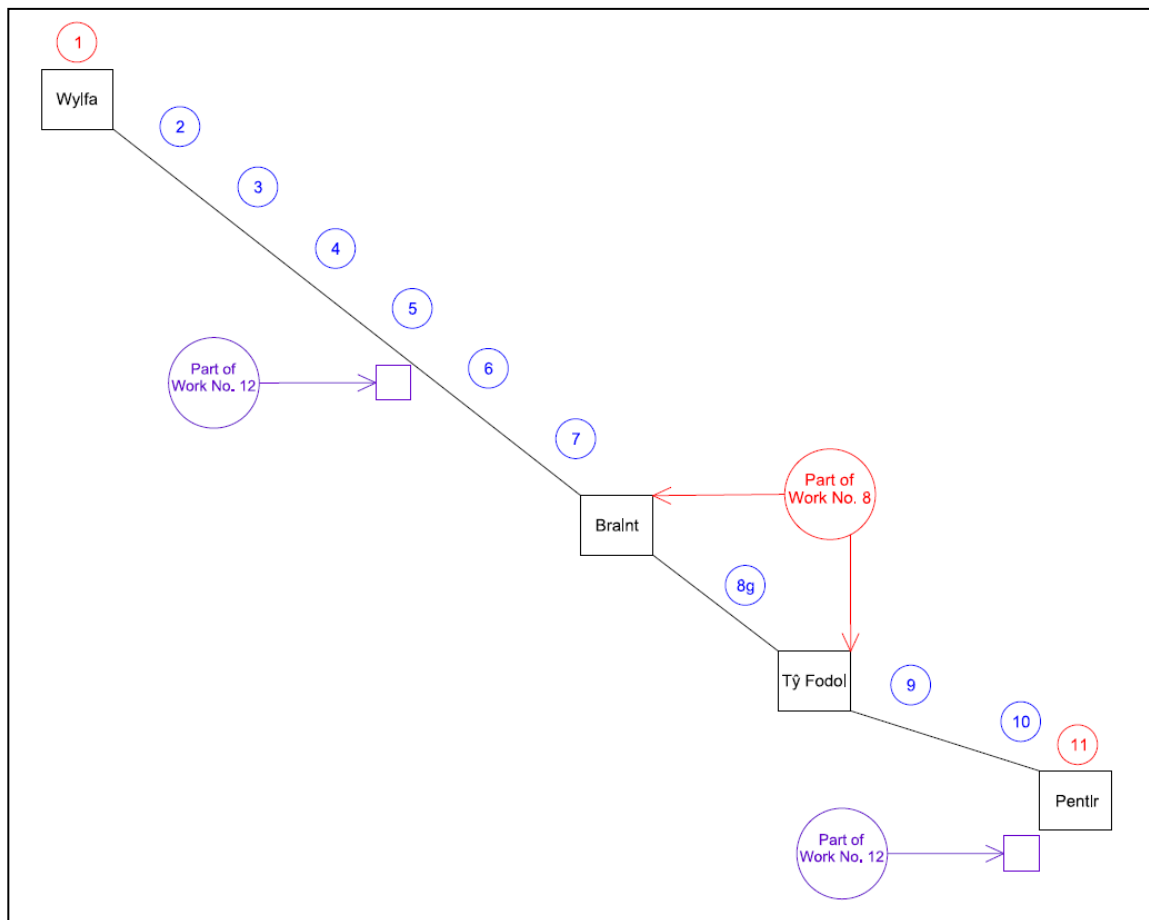
There are some pylons on our plans that are shown as 'Existing not affected', however, the overhead line is categorised as 'Existing to be modified', which indicates that the earthwire is to be replaced but there will be no modification of the pylon.

The pylons have each been numbered, e.g. 4AP001. 4AP002, and these numbers coincide with the numbering we have used throughout our various consultations and in our consultation material. In certain locations, some pylon numbers are absent, such as 4ZA011. This is due to the design being optimized through further design work and changes from consultation, which in some areas resulted to a pylon being removed.

Also shown on these plans are shaded areas called Non-Linear Work. These areas refer to areas along our project that are not linear in nature like the Overhead Line or main tunnel. The Non-Linear Work areas cover principle elements of each of the Substation extension and modifications and the two Tunnel Head Houses and Cable Sealing ends (including the permanent access tracks) (Works No's (1,8 (except 8g), 11 and 12)).

The Works Plans show the work packs that our project is broken down into, which are described in Schedule 1 to the draft DCO (**Document 2.1**). There are 12 work packs on this project, numbered 1 – 12 and these are shown in **Figure 6**. The red numbering refers to non-linear permanent works, including Substations and Tunnel Head Houses, the blue numbering refers to linear permanent work, including the overhead lines and main tunnel, and the purple numbering refers to temporary works, such as the construction compounds. These Work Numbers are identified on our Work Plans by cut lines which tie up to Schedule 1 of the draft DCO. For further detail and explanation, the Works Plans should be viewed with both this guide and the other drawings including the design drawings.

**Figure 6: Breakdown of Proposed Works**



### 3.7 ACCESS AND RIGHTS OF WAY PLANS (4.5)

These plans show any new or altered access points from the public highway that are needed to construct, operate or maintain the Proposed Development. At each of the points shown we will need to make sure our equipment and vehicles can safely join and / or leave the public highway. The accesses would initially be temporary, but some will need to become permanent.

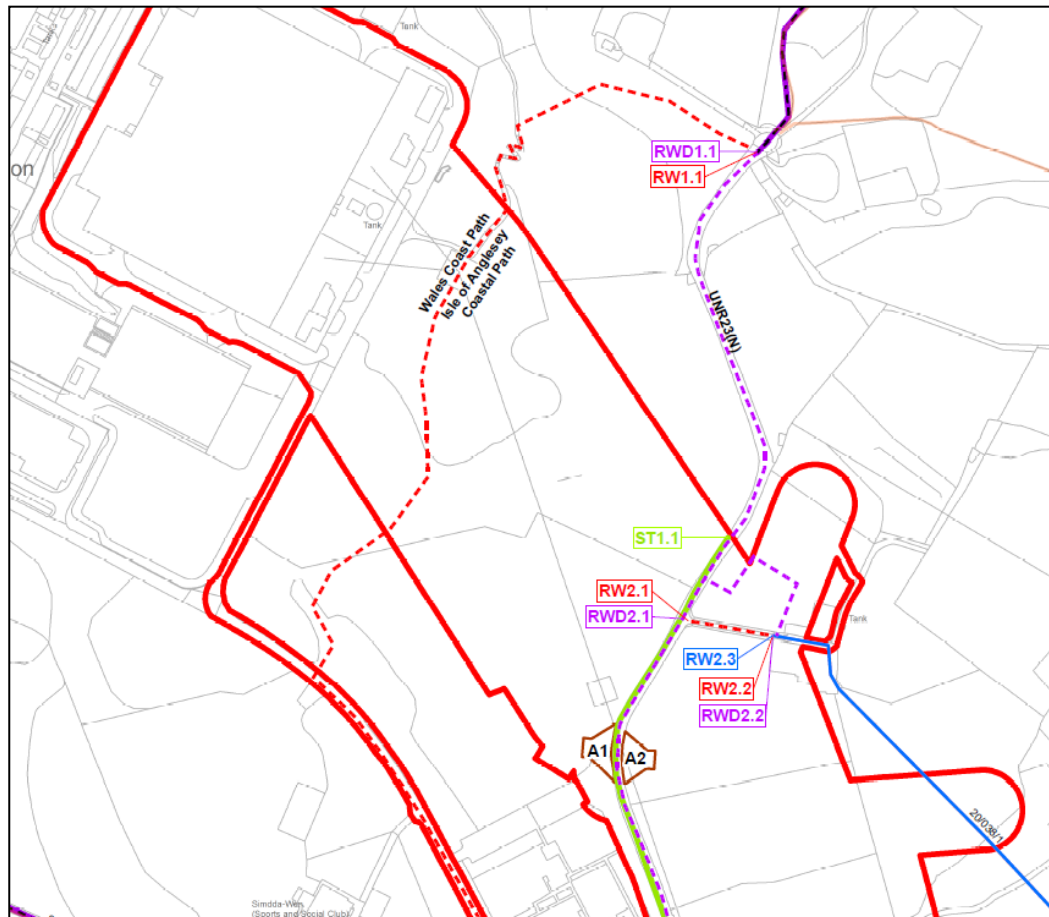
Each of these new or altered access points have been given a unique number. These numbers are in the following format, A1, A2, A3... B1, B2, B3. The letter refers to the section that the access point is located in, and a number is given to each of the access points in each section.

These plans show Public Rights of Way that are affected by the Proposed Development and the type of management we are proposing for these affected Public Rights of Way.

Each of these management types are colour coded and have been given reference points at the start and end points, or where one Public Right of Way management meets another (**Figure 7**). These reference points tie into Schedule 7 and 8 of our draft DCO (**Document 2.1**), which help identify what type of management is happening and where. For example, in **Figure 7**, access along Public Right of Way

20/038/1 (blue) is being temporarily stopped up between the red labels RW2.1 and RW2.2 and is being diverted between purple labels RWD2.1 and RWD2.2. The labels are positioned north to south in the first instance, and where not possible, east to west.

**Figure 7: Example of Public Right of Way Labelling**



These also show sections of the road / street that will need to be temporarily stopped up while we undertake some of our works. We have included key plans that show the temporary diversions we plan to put in place while these roads are stopped up. The temporary road diversions are labelled in the same way as the Public Rights of Way.

### **3.8 OTHER ENVIRONMENTAL FEATURES PLANS (4.6)**

These plans show sites of geological or landscape importance in accordance with Regulation 5(2)(l)(i). These plans illustrate the location of Anglesey's Areas of Outstanding Natural Beauty (AONB), Special Landscape Areas (SLA) (as defined by the composite version of the Anglesey and Gwynedd Joint Local Development Plan), the Wales and Anglesey Coastal Path, promoted viewpoints and the location of the Geopark (GeoMôn). An assessment of the effects on the Anglesey AONB, SLAs and promoted viewpoints caused by the Proposed Development is presented in the ES, Chapter 7 (**Document 5.7**). An assessment of the effects on the Wales

and Anglesey Coastal Path caused by the Proposed Development is presented in the ES, Chapter 8 Visual Assessment (**Document 5.8**), Chapter 15 Construction Noise (**Document 5.15**), Chapter 16 Operational Noise (**Document 5.16**), Chapter 17 Socio Economics (**Document 5.17**) and Chapter 19 Intra Project Effects (**Document 5.19**).

### **3.9 STATUTORY OR NON-STATUTORY SITES OR FEATURES OF NATURE CONSERVATION, HABITATS AND WATERBODIES PLAN (4.7)**

These plans show the following:

- Ramsar Sites, Special Areas of Conservation (SAC), Special Protection Areas (SPA), potential SACs, potential SPAs,
- Sites of Special Scientific Interest (SSSIs),
- National Nature Reserve (NNR) and Local Wildlife Sites in accordance with Regulation 5(2)(I)(i)<sup>1</sup>;
- Ancient Woodland and Tree Preservation Orders (TPOs) in accordance with Regulation 5(2)(I)(ii)<sup>2</sup>; and
- Water Framework Directive (WFD) Rivers, WFD Catchments, WFD Transitional Waterbodies and WFD Coastal Waterbodies in accordance with Regulation 5(2)(I)(iii)<sup>3</sup>.

An assessment of the effects on Ramsar Sites, SACs, SPAs and potential SACs and SPAs caused by the Proposed Development is presented in the No Significant Effects Report (**Document 5.23**) and ES Chapter 9 Ecology and Nature Conservation (**Document 5.9**).

An assessment of the effects on the NNR, SSSIs and Local Wildlife Sites caused by the Proposed Development is presented in ES Chapter 9 Ecology and Nature Conservation (**Document 5.9**).

An assessment of the effects on Ancient Woodland and TPOs caused by the Proposed Development is presented in ES Chapter 7 Landscape (**Document 5.7**) and Chapter 9 Ecology and Nature Conservation (**Document 5.9**). An assessment of the effects on WFD rivers and waterbodies caused by the Proposed Development is presented in **Document 5.12.2.5** Water Framework Directive Assessment.

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<sup>1</sup> The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

<sup>2</sup> The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

<sup>3</sup> The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

### **3.10 HABITATS OF PROTECTED SPECIES, IMPORTANT HABITATS OR OTHER DIVERSITY FEATURES PLANS (4.8)**

These plans show Phase 1 Habitats and locations of protected species in accordance with Regulation 5(2)(l)(ii)<sup>4</sup>. An assessment of the effects on these habitats and species caused by the Proposed Development is presented in ES Chapter 9 Ecology and Nature Conservation (**Document 5.9**).

### **3.11 CONFIDENTIAL: HABITATS OF PROTECTED SPECIES – LOCATION OF BADGER SETTS PLANS (4.9)**

These plans show the location of badger setts affected by or in proximity to our proposed development. Due to the sensitivity of the badger setts these plans are confidential and will not be made publicly available.

### **3.12 STATUTORY OR NON-STATUTORY SITES OF FEATURES OF THE HISTORIC ENVIRONMENT PLANS (4.10)**

These plans show Scheduled Monuments, Listed Buildings, Archaeological sites on the historic environment record and Historic landscapes. An assessment of effects on these sites caused by the Proposed Development is presented in ES Chapter 10 Historic Environment (**Document 5.10**).

### **3.13 TREES AND HEDGEROWS POTENTIALLY AFFECTED PLANS (4.11)**

These plans show the trees and hedges that are potentially affected by the Proposed Development (**Figure 8**). A tree is defined as a perennial woody plant having a main stem and usually a distinct crown with a stem diameter (measured at 1.5m above ground level) of 75mm or greater. A hedgerow is defined as any boundary line of trees or shrubs over 10m long and less than 5m wide at the base, provided that at one time the trees or shrubs were more or less continuous.

The trees and hedges have been broken down into the following four categories:

- Not Affected - means individual trees, sections of hedgerow or groups of trees not affected by the proposed design as shown on the Works Plans (Document 4.4) or by the utilisation of the flexibility applied for within the DCO, known as the LoD;

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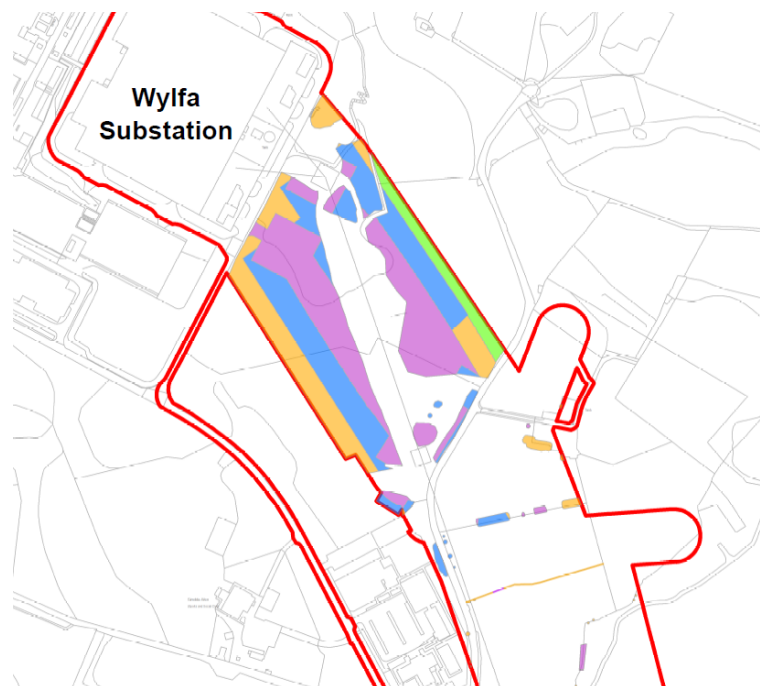
<sup>4</sup> The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

- Potentially Affected - means individual trees, sections of hedgerow or groups of trees unlikely to be affected by the proposed design as shown on the Works Plans (Document 4.4);
- Affected / Managed - means management by pruning, coppicing, pollarding, reduction in height or removal of individual trees and sections of hedgerow or one or more trees within a group. Those shown as affected/managed are based on the proposed design as shown on the Works Plans (**Document 4.4**); and
- Removed - means the removal of individual trees and sections of hedgerow or the removal of one or more trees within a group and are based on the proposed design as shown on the Works Plans (**Document 4.4**).

The impact upon individual trees, sections of hedgerow or groups of trees (i.e shown as 'Removed', 'Affected / managed' and 'Potentially Affected') could change colour by the utilisation of flexibility applied for in the DCO, known as the LoD.

The Ancient Woodland and Tree Preservation Order data used in these plans has been supplied by various sources and has been drawn at various scales. More information on how these trees and hedges could be affected can be found in our Environmental Statement.

**Figure 8: Example of Different Tree Categories**



### 3.14 TRAFFIC REGULATION ORDER PLANS (4.12)

These plans show the extent of the proposed traffic regulation orders which are required for us to get access to construct, operate and maintain the Proposed Development. The traffic regulation orders have similar reference points as shown in



**Figure 4**, e.g. TR1.1, which can be found within **Schedule 13** of the DCO (**Document 2.1**).

### **3.15 DESIGN PLANS (4.13)**

These plans show design information that might help you get a more detailed understanding of our proposals. They provide illustrative and indicative examples of equipment, and typical layouts of the compounds, substations, and the Tunnel, that might be used as part of our project, and there are three types:

- Parameter Plans – these plans show parameters which define the zones within which specific works would be carried out;
- Indicative Plans – these plans indicate the way in which we expect the development would be arranged. These tend to be plans showing geographically specific matters, such as the location of the Tunnel Head House and Sealing End Compounds, or parts of the development at Pentir substation; and
- Illustrative Plans – these plans illustrate one way in which development might be arranged, or typical equipment that might be used. These tend to be plans showing typical types of equipment, such as substation equipment.

We've included some additional information about what is shown on the different design plans to assist with their interpretation, which is detailed below

#### **List of Design Plans (DCO\_DE/KP/01)**

This plan lists all of the design plans that have been produced to support our DCO application. It provides the plan references, titles, sheet numbers and revision.

#### **Substation Parameter Plan - Wylfa (DCO\_DE/PS/01\_01)**

This plan shows the existing layout and equipment/infrastructure of Wylfa substation, on the Isle of Anglesey. This plan also highlights the different locations that proposed substation modifications could be located.

#### **Indicative Substation Layout – Wylfa (DCO\_DE/PS/01\_02)**

This plan shows an indicative layout of Wylfa Substation on Anglesey, highlighting the existing substation building and equipment, the proposed temporary construction compound and proposed substation equipment to be installed.

#### **Indicative Substation Elevation – Wylfa (DCO\_DE/PS/01\_03)**

This plan shows an indicative elevation view of Wylfa substation including the existing substation building and infrastructure/equipment, the proposed gantries, pylons and substation equipment to be installed.

### **Substation Parameter Plan - Pentir (DCO\_DE/PS/01\_04)**

This plan shows the existing layout and equipment/infrastructure of Pentir substation in north Gwynedd. This plan also highlights the different locations that proposed substation equipment could be located.

### **Indicative Substation Layout – Pentir (DCO\_DE/PS/01\_05)**

This plan shows an indicative layout of Pentir substation, highlighting the existing substation building and equipment, the proposed substation boundary, proposed temporary construction compounds/accesses and proposed locations of various substation equipment and infrastructure.

### **Indicative Substation Elevation – Pentir (DCO\_DE/PS/01\_06)**

This plan shows an indicative elevation view of Pentir substation, including the existing substation equipment, proposed gantries, pylons and substation equipment to be installed.

### **Illustrative Substation Equipment (DCO\_DE/PS/01\_07 to DCO\_DE/PS/01\_10)**

These plans illustrate different types of equipment and infrastructure that may be installed during the Proposed Development works.

### **Explanatory Overhead Line Profile (DCO\_DE/PS/02)**

This plan provides a detailed, annotated example of an overhead line profile explaining how the actual profiles (see below) should be interpreted. This plan describes what different aspects of the profile are showing, what the various lines represent and what different text is referring to. This example profile has no connection to the project and the overhead line displayed is fictitious. Below is a list of the information shown on the overhead line profiles:

- Pylon numbers, height above ground level & angle of deviation from straight line;
- Distance between adjacent pylons;
- Vertical scale as defined by ordnance datum;
- Horizontal scale from preceding angle pylon (Vertical scale is 10times that of the horizontal scale);
- Location of earthwire and conductors;
- Conductor profile at maximum operating temperature;
- Ground level along the route shown;
- Key crossings across the route; and
- OS Mapping (This is orientated so that the overhead line is shown horizontally).

### **Indicative Overhead Line Profiles 4AP Option A (DCO\_DE/PS/03\_01 to DCO\_DE/PS/03\_12)**

These plans show the overhead line profile for the 4AP route for Option A, which is the more westerly of the two overhead line routes. This route is made up of sections of existing overhead line and proposed new build overhead line. To ease interpretation of these plans due to their technicality, they should be read in conjunction with the explanatory profile.

### **Indicative Overhead Line Profiles 4AP Option B (DCO\_DE/PS/04\_01 to DCO\_DE/PS/04\_12)**

These plans show the overhead line profile for the 4AP route for Option B, which is the more westerly of the two overhead line routes. This route is made up of sections of existing overhead line and proposed new build overhead line. To ease interpretation of these plans due to their technicality, they should be read in conjunction with the explanatory profile.

### **Indicative Overhead Line Profiles 4ZA (DCO\_DE/PS/05\_01 to DCO\_DE/PS/05\_06)**

These plans show the overhead line profile for the 4ZA route, which is the more easterly of the two overhead line routes. This route is made up of sections of existing overhead line and proposed new build overhead line. To ease interpretation of these plans due to their technicality, they should be read in conjunction with the explanatory profile

### **Indicative Overhead Line Profiles Temporary Alignment (DCO\_DE/PS/06)**

This plan shows the overhead line profile for the proposed temporary overhead line. This route is made up of existing, temporary and new overhead line. To ease interpretation of these plans due to its technicality, they should be read in conjunction with the explanatory profile.

### **Illustrative Tunnel Longitudinal Section (DCO\_DE/PS/07\_01)**

This plan shows an example designed alignment of the proposed tunnel in relation to ground levels and where it passes underneath the Menai Strait. It has also indicated broad zones representing the geological fault zones and is illustrative of an alignment where 10 metres bedrock cover shall be maintained, based on the overwater geophysics studies carried out for this project.

### **Illustrative Tunnel Cross Section (DCO\_DE/PS/07\_02)**

This plan shows an example of the construction works required to build the shafts and the tunnel itself and main components inside the shaft. The installed cables supported before entry into the tunnel is illustrated and how they are configured and supported inside the length of the tunnel is depicted.

### **Illustrative Tunnel Cross Section (DCO\_DE/PS/07\_03)**

This plan shows how the shape of the tunnel excavation can vary depending on the construction technique, being either drill and blast or tunnel boring machine. The shape depends on a number of factors including strength of the rock, locked in stresses and requirement to support water pressures. In turn there will be a zonal area around the construction that effects the tunnel and is assessed as part of a protection zone and therefore a land interest area.

### **Illustrative Lattice Pylons (DCO\_DE/PS/08\_01)**

This plan shows the heights and cross-arm widths of standard existing, proposed and proposed low height lattice pylons that will be incorporated into the Proposed Development.

### **Illustrative Lattice Pylon Footprints (DCO\_DE/PS/08\_02)**

This plan illustrates typical lattice pylon footprints for the proposed and proposed low height pylons. This shows how a pylon and its foundations may be orientated within the working area. Dimensions are provided for the foundations and for the pylon in respect to its position within the working area.

### **Illustrative Lattice Pylon Foundations (DCO\_DE/PS/08\_03)**

This plan shows illustrative plan views and elevation views of Pad & Column, Mini Pile and Tube Pile foundations for the proposed and proposed low height pylons. The plan views show how each foundation type would look from above and provides dimensions for each foundation type. The elevation views show layouts of how each foundation may look once constructed. These views provide widths and depths of each foundation type and show how each foundation type would look both above and below ground level. Approximate concrete volumes and excavation volumes per pylon leg are also provided.

### **Indicative Maximum and Minimum Lattice Pylon Heights (DCO\_DE/PS/08\_04)**

This plan shows indicative maximum and minimum heights of existing, proposed and proposed low height low height pylons that may be used within the proposed development. This provides pylon heights, cross arm widths and pylon base heights as ground level.

### **Parameter Plan for Braint Tunnel Head House and Cable Sealing End Compound (DCO\_DE/PS/09\_01)**

This plan shows the different areas and zones that the Permanent Access Track, Full Line Tension Gantries, Cable Sealing End and Tunnel Head House will be located. It also states the size limits of the Tunnel Head House in terms of how high the building can go and how much space it can occupy.

### **Indicative Final Arrangement for Braint Tunnel Head House and Cable Sealing End Location (DCO\_DE/PS/09\_02)**

This plan indicates what may need to be built, and it also provides information on the typical equipment that may be involved and remain in place within and surrounding the Tunnel Head House and Cable Sealing End Compound once construction works are completed and the development is operational.

### **Indicative Finished Surface Levels for Braint Tunnel Head and Cable Sealing End Location (DCO\_DE/PS/09\_03)**

This plan shows how the ground levels will be left in relation to those inside the operational compounds and the immediate surrounding land outside the operational fence line but excludes the land reprofiling near the compounds. The cross sections show the relative height differences between permanent Full Line Tension gantry elements and other elements such as the Tunnel Head House and the operational fence line.

### **Indicative Final Arrangement for Braint Tunnel Head House and Cable Sealing End Compound (DCO\_DE/PS/09\_04)**

This plan shows what operational equipment will be inside the secured fence line and will be part of the live 400kV system, therefore access inside will be strictly controlled and be subject to health and safety rules.

### **Parameter Plan for Tŷ Fodol Tunnel Head House and Cable Sealing End Compound (DCO\_DE/PS/09\_05)**

This plan shows the different areas and zones that the Permanent Access Track, Full Line Tension Gantries, Cable Sealing End and Tunnel Head House will be located. It also states the size limits of the Tunnel Head House in terms of how high the building can go and how much space it can occupy.

### **Indicative Final Arrangement for Tŷ Fodol Tunnel Head House and Cable Sealing End Location (DCO\_DE/PS/09\_06)**

This plan indicates what may need to be built it also provides information on the typical equipment that may be involved and remain in place within and surrounding the Tunnel Head House and Cable Sealing End Compound once construction works are completed and the development is operational.

### **Indicative Finished Surface Levels for Tŷ Fodol Tunnel Head House and Cable Sealing End Location (DCO\_DE/PS/09\_07)**

This plan shows how the ground levels will be left in relation to those inside the operational compounds and the immediate surrounding land outside the operational fence line but excludes the land reprofiling near the compounds. The cross sections show the relative height differences between permanent Full Line Tension gantry elements and other elements such as the Tunnel Head House and the operational fence line.

### **Indicative Final Arrangement for Tŷ Fodol Tunnel Head House and Cable Sealing End Compound (DCO\_DE/PS/09\_08).**

This plan shows what operational equipment will be inside the secured fence line and will be part of the live 400 kV system therefore access inside will be strictly controlled and be subject to health and safety rules.

### **Illustrative Lattice Pylon Working Areas (DCO\_DE/PS/10\_01)**

This plan shows a typical layout of a lattice pylon working area. It includes the possible location for a crane to be positioned, designated areas for lifting activities, soil storage areas, welfare facilities and a potential drainage system in proximity to the working area.

### **Illustrative Lattice Pylon Conductor Pulling Positions (DCO\_DE/PS/10\_02)**

This plan shows a typical layout of an angle and terminal pylon pulling position, and for a 400 kV Full Line Tension gantry. It shows the location of winch/tensioners and cable drums, potential storage areas, pylon working area and a possible drainage system within the pulling area.

### **Indicative Overhead Line Limits of Deviation (DCO\_DE/PS/10\_03)**

This plan shows an illustrative plan view of the Limits of Deviation being applied for with the DCO and how the 100m corridor has been arrived at. It shows how a pylon could move within the LOD.

### **Illustrative Bellmouth Layout (DCO\_DE/PS/11\_01)**

This plan shows a typical layout of a bi-directional, uni-directional and crossover bellmouth that could be utilised in the Proposed Development. It shows how both articulated low loaders and tipper trucks would manoeuvre within the bellmouth and how the vehicles are likely to pass each other.

### **Illustrative Stone Access Road (DCO\_DE/PS/11\_02)**

This plan shows a typical stone access road that may be used to provide access to different aspects of the Proposed Development. It shows how a typical access track is likely to contain a base layer of geotextile membrane, overlain by a section of durable access track material and topped with a finished surface. Stock proof & silt fencing are also proposed and for the excavated top & sub-soil, an appropriate stock-pile will be required.

### **Illustrative Interlocking Panel Access for Overhead Line Construction (DCO\_DE/PS/11\_03)**

This plan shows a typical layout of interlocking panels that may be used to provide access to different aspects of the Proposed Development. It highlights that individual panels will be connected together to create a temporary access track, with potential stock proof fencing either side if required.

### **Illustrative Culvert Construction Details (DCO\_DE/PS/11\_04)**

This plan shows a typical culvert design that may be used along access tracks to cross ditches & watercourses that do not require clear span bridges. It shows how a culvert could be designed using infill & sandbags perpendicular to the direction the watercourse is flowing, with a pipe through the middle to enable water to continue flowing. This plan gives an aerial, a cross-section and a side-view of the culvert.

### **Illustrative Bridge Details for Overhead Line Construction (DCO\_DE/PS/11\_05)**

This plan shows a typical bridge design that could be used along access tracks to cross main Water Framework Directive Rivers. It shows how ballast walls & abutments may be required depending on specific size requirements, and how the bridge is likely to be steel, with a minimum 600mm clearance to the watercourse to ensure a 1:100 year flood event does not impact on the access track. This plan gives an Aerial, a cross-section and a side-view of the culvert.

### **Illustrative Bridge Details for Tunnel Construction (DCO\_DE/PS/11\_06)**

This plan shows a typical bridge layout that could be used along access tracks to cross watercourses for tunnel construction. It shows how temporary foundations, geotextile and geomembrane may be used depending on site specific conditions. This plan gives a side and cross-sectional view of the bridge.

### **Illustrative Overhead Line Construction Compound Design Plan (DCO\_DE/PS/12\_01)**

This plan illustrates the typical equipment and layout of an overhead line construction compound that will be required to facilitate the construction, operation and maintenance of the proposed development.

### **Illustrative Tunnel and Cable Sealing End Construction Compound – Braint (DCO\_DE/PS/12\_02)**

This plan shows the construction site compound working area. The equipment and plant actually used will be determined by the contractors building the development and will vary to suit the particular construction methods used. Throughout the construction, the area will be adapted and will change to suit the overall construction programme and to meet health and safety requirements.

### **Illustrative Tunnel and Cable Sealing End Construction Compound – Tŷ Fodol (DCO\_DE/PS/12\_03)**

This plan shows the construction site compound working area. The equipment and plant actually used will be determined by the contractors building the development and will vary to suit the particular construction methods used. Throughout the

construction, the area will be adapted and will change to suit the overall construction programme and to meet health and safety requirements.

#### **Illustrative Substation Construction Compound – Wylfa (DCO\_DE/PS/12\_04)**

This plan shows the potential layout of the substation compound at Wylfa. It shows the existing compound extent, new proposed National Grid operational fence line, the proposed parking area, access route and laydown area.

#### **Illustrative Substation Construction Compound – Pentir (DCO\_DE/PS/12\_05)**



















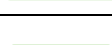









This plan shows the potential layouts of a Satellite and Substation construction compound at Pentir. The compounds include laydown & parking areas, along with areas for Portakabins. The substation compound also contains recycling and fuel storage areas and highlights proposed wheel wash points and an office traffic route.


























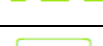





























# **Appendix A –**


























## **DCO Plan Legends**


















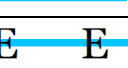


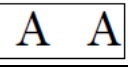
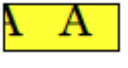
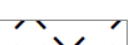
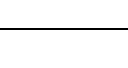
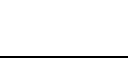









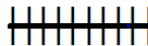



















Plan Title	Legend	Symbol	Allwedd
<b>COMMON SYMBOLS – FOUND ACROSS MULTIPLE PLANS</b>	LOCAL AUTHORITY BOUNDARY		FFIN AWDURDOD LLEOL
	ORDER LIMITS		TERFYNAU'R GORCHYMYN
	SECTION BOUNDARY		FFIN ADРАН
	ORDER LIMITS & ABOVE GROUND LIMITS OF DEVIATION		TERFYNAU'R GORCHYMYN A THERFYNAU GWYRO AR Y TIR
	ABOVE GROUND LIMITS OF DEVIATION		TERFYNAU GWYRO AR Y TIR
	ORDER LIMITS & BELOW GROUND LINEAR LIMITS OF DEVIATION		TERFYNAU'R GORCHYMYN A THERFYNAU LLINELL GWYRO DAN Y TIR
	BELOW GROUND LINEAR LIMITS OF DEVIATION		TERFYNAU LLINELL GWYRO DAN Y TIR
	NEW FULL LINE TENSION GANTRY		NENBONT TENSIWN LLINELL LAWN NEWYDD
	NEW GANTRY		NENBONT NEWYDD
	GANTRY TO BE REMOVED		NENBONT I'W THYNNU O'I LLE
	NEW LATTICE PYLON		PEILON DELLTWAITH NEWYDD
	NEW LOW HEIGHT LATTICE PYLON		PEILON DELLTWAITH UCHDER ISEL NEWYDD
	EXISTING LATTICE PYLON TO BE REMOVED		PEILON DELLTWAITH PRESENNOL I'W DYNNU O'I LE
	EXISTING LATTICE PYLON TO BE MODIFIED		PEILON DELLTWAITH PRESENNOL I'W ADDASU
	EXISTING LATTICE PYLON NOT AFFECTED		PEILON DELLTWAITH PRESENNOL NA CHAIFF EI EFFEITHIO
	TEMPORARY LATTICE PYLON		PEILON DELLTWAITH DROS DRO
	NEW OVERHEAD LINE		LLINELL UWCHBEN NEWYDD
	EXISTING OVERHEAD LINE TO BE REMOVED		LLINELL UWCHBEN BRESENNOL I'W THYNNU O'I LLE
	EXISTING OVERHEAD LINE TO BE MODIFIED		LLINELL UWCHBEN BRESENNOL I'W HADDASU
	EXISTING OVERHEAD LINE NOT AFFECTED		LLINELL UWCHBEN BRESENNOL NA CHAIFF EI EFFEITHIO
	TEMPORARY OVERHEAD LINE DIVERSION		GWYRO'R LLINELL UWCHBEN DROS DRO
	AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED		ARDAL LLE BYDD Y PRIF DŶ TWNNEL A CHOMPOWND TERFYN SELIO CEBLAU
	CONSTRUCTION COMPOUND		COMPOWND ADEILADU
	NO SHEET IN PLAN SERIES		DIM TAFLEN YNG NGHYFRES Y CYNLLUNIAU
<b>OVERALL LOCATION PLAN</b>	EXTENSION AND / OR MODIFICATION TO SUBSTATION		YMESTYN A/NEU ADDASU IS-ORSAF
	NEW TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND		PRIF DŶ TWNNEL A CHOMPOWND TERFYN SELIO CEBLAU NEWYDD
	TUNNEL ROUTEING AREA		ARDAL AILGYFEIRIO'R TWNNEL
	EXTENT OF INSET		HYD A LLED Y MEWNOSODIAD

<b>MASTER KEY TO SECTION IDENTIFICATION PLAN</b>	ORDER LIMITS OPTIONS A AND B (INSET)		TERFYNAU'R GORCHYMYN, DEWISIADAU A a B (MEWNOSOD)
	ORDER LIMITS OPTION A (INSET)		TERFYNAU'R GORCHYMYN, DEWIS A (MEWNOSOD)
	ORDER LIMITS OPTION B (INSET)		TERFYNAU'R GORCHYMYN, DEWIS B (MEWNOSOD)
	SECTION INDEX		MYNEGAI'R ADRAN
	EXTENT OF INDEX		HYD A LLED Y MYNEGAI
<b>KEY PLANS (ALL PLANS)</b>	SHEET INDEX		MYNEGAI'R DAFLEN
<b>LAND PLANS</b>	CLASS 1 – COMPULSORY ACQUISITION OF LAND		DOSBARTH 1 - CAFFAEL TIR YN ORFODOL
	CLASS 2 – COMPULSORY ACQUISITION OF LAND MORE THAN 9 METRES BENEATH SURFACE ONLY		DOSBARTH 2 - CAFFAEL TIR YN ORFODOL FWY NA 9 METR DAN YR WYNEB YN UNIG
	CLASS 3 - COMPULSORY ACQUISITION OF RIGHTS FOR THE AUTHORISED DEVELOPMENT		DOSBARTH 3 - CAFFAEL HAWLIAU YN ORFODOL AR GYFER Y DATBLYGIAD AWDURDODEDIG
	CLASS 4 - COMPULSORY ACQUISITION OF RIGHTS OF ACCESS		DOSBARTH 4 - CAFFAEL HAWLIAU MYNEDIAD YN ORFODOL
	CLASS 5 – TEMPORARY USE FOR CONSTRUCTION, MITIGATION, MAINTENANCE, DISMANTLING		DOSBARTH 5 - DEFNYDD DROS DRO AR GYFER ADEILADU, LLINIARU, CYNNAL A CHADW, DATGYMALU
	CLASS 6 – TEMPORARY USE FOR ACCESS		DOSBARTH 6 - DEFNYDD DROS DRO AR GYFER MYNEDIAD
<b>CROWN AND SPECIAL CATEGORY LAND PLAN</b>	CROWN LAND		TIR Y GORON
	SPECIAL CATEGORY LAND		TIR CATEGORI ARBENNIG
<b>WORKS PLAN</b>	COMMENCEMENT OF WORKS		DECHRAU GWAITH
	TERMINATION AND COMMENCEMENT OF WORKS		TERFYNU A DECHRAU GWAITH
	TERMINATION OF WORKS		TERFYNU GWAITH
	EXISTING 400KV OVERHEAD LINE		LLINELL UWCHBEN 400KV BRESENNOL
	NON-LINEAR WORK		GWAITH NAD YW'N LLINELL
<b>ACCESS AND RIGHTS OF WAY KEY PLAN WITH DETAILS</b>	NATIONAL CYCLE ROUTE		LLWYBR SEICLO CENEDLAETHOL
	NATIONAL CYCLE ROUTE DIVERSION		GWYRIAD I'R LLWYBR SEICLO CENEDLAETHOL
	EXAMPLE REFERENCE FOR NATIONAL CYCLE ROUTE DIVERSION		ENGHRAIFFT O GYFEIRNOD AR GYFER GWYRO LLWYBR SEICLO CENEDLAETHOL
	ISLE OF ANGLESEY COASTAL PATH (UNAFFECTED)		LLWYBR ARFORDIR YNYS MÔN (HEB EI EFFEITHIO)
	WALES COAST PATH (UNAFFECTED)		LLWYBR ARFORDIR CYMRU (HEB EI EFFEITHIO)
	TEMPORARY STOPPED UP		RHWYSTR DROS DRO
	TEMPORARY ROAD DIVERSION		GWYRIAD FFORDD DROS DRO
	EXAMPLE TEMPORARY STOPPED UP REFERENCE		ENGHRAIFFT O GYFEIRNOD RHWYSTR DROS DRO



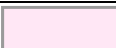
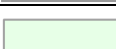




















	EXAMPLE REFERENCE FOR ROAD DIVERSION		ENGHRAIFFT O GYFEIRNOD GWYRIAD FFORDD
ACCESS AND RIGHTS OF WAY PLAN	ACCESS FROM PUBLIC HIGHWAY (NEW OR ALTERED)		MYNEDIAD O BRIFFORDD GYHOEDDUS (NEWYDD NEU WEDI EI ADDASU)
	NATIONAL CYCLE ROUTE		LLWYBR SEICLO CENEDLAETHOL
	ISLE OF ANGLESEY COASTAL PATH (UNAFFECTED)		LLWYBR ARFORDIR YNYS MÔN (HEB EI EFFEITHIO)
	WALES COAST PATH (UNAFFECTED)		LLWYBR ARFORDIR CYMRU (HEB EI EFFEITHIO)
	UNAFFECTED EXISTING PUBLIC RIGHT OF WAY (WITH FOOTPATH REFERENCE)		HAWL TRAMWY CYHOEDDUS PRESENNOL HEB EI EFFEITHIO (GYDA CHYFEIRNOD LLWYBR TROED)
	TEMPORARY STOPPED UP (MANAGED)		RHWYSTR DROS DRO (DAN REOLAETH)
	TEMPORARY STOPPED UP		RHWYSTR DROS DRO
	TEMPORARY DIVERSION OF AFFECTED SECTION OF RIGHT OF WAY		GWYRIAD DROS DRO I HAWL TRAMWY MEWN ADRAN SY'N CAEL EI HEFFEITHIO
ACCESS AND RIGHTS OF WAY PLAN	= EXAMPLE REFERENCE FOR TEMPORARY STOPPED UP (MANAGED) SECTION OF RIGHT OF WAY		= ENGHRAIFFT O GYFEIRNOD AR GYFER ADRAN HAWL TRAMWY Â RHWYSTR DROS DRO (DAN REOLAETH)
	= EXAMPLE REFERENCE FOR TEMPORARY STOPPED UP SECTION OF RIGHT OF WAY		= ENGHRAIFFT O GYFEIRNOD AR GYFER ADRAN HAWL TRAMWY Â RHWYSTR DROS DRO
	= EXAMPLE REFERENCE FOR TEMPORARY DIVERTED RIGHT OF WAY		= ENGHRAIFFT O GYFEIRNOD AR GYFER HAWL TRAMWY WEDI EI DDARGYFEIRIO DROS DRO
	TEMPORARY STOPPED UP		RHWYSTR DROS DRO
ACCESS AND RIGHTS OF WAY PLAN	TEMPORARY ROAD DIVERSION		GWYRIAD FFORDD DROS DRO
	EXAMPLE TEMPORARY STOPPED UP REFERENCE		ENGHRAIFFT O GYFEIRNOD RHWYSTR DROS DRO
	EXAMPLE REFERENCE FOR ROAD DIVERSION		ENGHRAIFFT O GYFEIRNOD GWYRIAD FFORDD
	PROMOTED VIEWPOINT		GOLYGFAN UWCH
OTHER ENVIRONMENTAL FEATURES PLANS	ISLE OF ANGLESEY COASTAL PATH		LLWYBR ARFORDIR YNYS MÔN
	WALES COAST PATH		LLWYBR ARFORDIR CYMRU
	SPECIAL LANDSCAPE AREA		ARDAL TIRWEDD ARBENNIG
	ANGLESEY AREA OF OUTSTANDING NATURAL BEAUTY		ARDAL O HARDDWCH NATURIOL EITHRIADOL YNYS MÔN
STATUTORY OR NON-STATUTORY SITES OR FEATURES OF NATURE CONSERVATION, HABITATS AND WATER BODIES PLAN	WATER FRAMEWORK DIRECTIVE (WFD) RIVER		CYFARWYDDEB FFRAMWAITH DŴR - AFONYDD
	ANCIENT WOODLAND		COETIR HYNAFOL
	WILDLIFE SITE (NON-STATUTORY)		SAFLE BYWYD GWYLLT (ANSTATUDOL)
	NATIONAL NATURE RESERVE		GWARCHODFA NATUR GENEDLAETHOL
	LOCAL NATURE RESERVE		GWARCHODFA NATUR LEOL








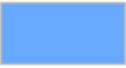
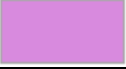


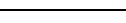





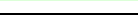






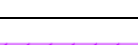



	RAMSAR SITE		SAFLE RAMSAR
	CANDIDATE SPECIAL AREA OF CONSERVATION		ARDAL CADWRAETH ARBENNIG ARFAETHEDIG
	SPECIAL AREA OF CONSERVATION		ARDAL CADWRAETH ARBENNIG
	SPECIAL PROTECTION AREA		ARDAL GWARCHODAETH ARBENNIG
	TREE PRESERVATION ORDER		GORCHYMYN DIOGELU COED
	SITE OF SPECIAL SCIENTIFIC INTEREST		SAFLE O DDIDDORDEB GWYDDONOL ARBENNIG
	WATER FRAMEWORK DIRECTIVE (WFD) RIVER WATERBODY CATCHMENT		CYFARWYDDEB FFRAMWAITH DŴR - DALGYLCH DYFROEDD AFONYDD
	WATER FRAMEWORK DIRECTIVE (WFD) TRANSITIONAL WATERBODIES		CYFARWYDDEB FFRAMWAITH DŴR - DYFROEDD TROSIANNOL
	WATER FRAMEWORK DIRECTIVE (WFD) COASTAL WATERBODIES		CYFARWYDDEB FFRAMWAITH DŴR - DYFROEDD ARFORDIROL
<b>HABITATS OF PROTECTED SPECIES, IMPORTANT HABITATS OR OTHER DIVERSITY FEATURES PLAN</b>	GREAT CRESTED NEWT (GCN) POND		PWLL MADFALLOD DŴR CRIBOG
	GREAT CRESTED NEW (GCN) POND WITH ACCOMPANYING ES REFERENCE NUMBER		PWLL MADFALLOD DŴR CRIBOG GYDA'I GYFEIRNOD ES CYSYLLTIEDIG
	TREES WITH CONFIRMED BAT ROOST		COED Â NYTHOD YSTLUMOD WEDI EU CADARNHAU
	TREES WITH CONFIRMED BAT ROOST WITH ACCOMPANYING ES REFERENCE NUMBER		COED Â NYTHOD YSTLUMOD WEDI EU CADARNHAU GYDA'U CYFEIRNOD ES CYSYLLTIEDIG
<b>HABITATS OF PROTECTED SPECIES, IMPORTANT HABITATS OR OTHER DIVERSITY FEATURES PLAN</b>	STRUCTURES WITH CONFIRMED BAT ROOST		STRWYTHURAU Â NYTHOD YSTLUMOD WEDI EU CADARNHAU
	OTTER SPAINT AND RUN		BAW A RHEDFA DYFRGWN
	OTTER PRESENCE WITHIN WATERCOURSE		PRESENOLDEB DYFRGWN YN Y DYFROEDD
	WATERCOURSE SUITABLE FOR OTTER		DYFROEDD ADDAS I DDYFRGWN
	MINK SCAT		BAW MINCOD
	WATER VOLE BURROW		TWLL LLYGOD Y DŴR
	WATER VOLE PRESENT WITHIN WATERCOURSE		LLYGOD Y DŴR YN Y DYFROEDD
	A1.1.1 – BROADLEAVED WOODLAND – SEMI-NATURAL		A1.1.1 – COETIR LLYDANDDAIL – RHANNOL NATURIOL
	A1.1.2 – BROADLEAVED WOODLAND - PLANTATION		A1.1.2 – COETIR LLYDANDDAIL – PLANHIGFA
	A1.3.1 – MIXED WOODLAND – SEMI-NATURAL		A1.3.1 – COETIR CYMYSG – RHANNOL NATURIOL
	A1.3.2 – MIXED WOODLAND - PLANTATION		A1.3.2 – COETIR CYMYSG – PLANHIGFA
	A2.1 – SCRUB – DENSE/CONTINUOUS		A2.1 – PRYSGWYDD – DWYS/PARHAUS





















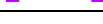


HABITATS OF PROTECTED SPECIES, IMPORTANT HABITATS OR OTHER DIVERSITY FEATURES PLAN	A2.2 – SCRUB - SCATTERED		A2.2 – PRYSGWYDD - GWASGAREDIG
	A2.2 – SCRUB - SCATTERED		A2.2 – PRYSGWYDD - GWASGAREDIG
	A2.2 – SCRUB - SCATTERED		A2.2 – PRYSGWYDD - GWASGAREDIG
	A3.1 – BROADLEAVED PARKLAND/SCATTERED TREES		A3.1 – PARCDIR LLYDANDDAIL/COED AR WASGAR
	B1.1 – ACID GRASSLAND - UNIMPROVED		B1.1 – GLASWELLTIR ASIDIG - HEB EI WELLA
	B.1 .2– ACID GRASSLAND – SEMI-IMPROVED		B.1 .2 – GLASWELLTIR ASIDIG - WEDI EI WELLA'N RHANNOL
	B2.2 – NUETRAL GRASSLAND – SEMI-IMPROVED		B1.2 – GLASWELLTIR NIWTRAL - WEDI EI WELLA'N RHANNOL
	B4 – IMPROVED GRASSLAND		B4 – GLASWELLTIR WEDI EI WELLA
	B5 – MARSH/MARSHY GRASSLAND		B5 – CORS/GLASWELLTIR CORSIOG
	B6 – POOR SEMI-IMPROVED GRASSLAND		B6 – GLASWELLTIR GWAEL WEDI EI WELLA'N RHANNOL
	C1.1 – BRACKEN - CONTINUOUS		C1.1 – RHEDYN - PARHAUS
	C3.1 – OTHER TALL HERB AND FERN – RUDERAL		C3.1 – PERLYSIAU A RHEDYN ERAILL TAL – CYNEFINOL
	HABITATS OF PROTECTED SPECIES, IMPORTANT HABITATS OR OTHER DIVERSITY FEATURES PLAN	D1.1 – DRY DWARF SHRUB HEATH - ACID	
E3.1 – FEN – VALLEY MIRE			E3.1 – FFEN – CYFORGORS DYFFRYN
F1 - SWAMP			F1 - GWERN
G1 – STANDING WATER			G1 – DŴR YN SEFYLL
G1.1 – STANDING WATER - EUTROPHIC			G1.1 – DŴR YN SEFYLL - EWTROFFIG
G1.2 – STANDING WATER - MESOTROPHIC			G1.2 – DŴR YN SEFYLL - MESOTROFFIG
G2 – RUNNING WATER			G2 – DYFROEDD SY'N LLIFO
G2.1 – RUNNING WATER - EUTROPHIC			G2.1 – DYFROEDD SY'N LLIFO - EWTROFFIG
G2.2 RUNNING WATER - MESOTROPHIC			G2.2 – DYFROEDD SY'N LLIFO - MESOTROFFIG
G2.3 – RUNNING WATER OLIGOTROPHIC			G2.3 – DYFROEDD SY'N LLIFO - OLIGOTROFFIG
I1.4.2 – OTHER EXPOSURE - BASIC			I1.4.2 – AMLYGIAD ARALL - SYLFAENOL
J1.1 – CULTIVATED/DISTURBED LAND - ARABLE			J1.1 – TIR WEDI EI DRIN/TARFU - TIR ÂR
J1.2 – CULTIVATED/DISTURBED LAND – AMENITY GRASSLAND			J1.1 – TIR WEDI EI DRIN/TARFU - GLASWELLTIR AMWYNDERAU
J1.3 – CULTIVATED/DISTURBED LAND – EPHEMERAL/SHORT PERENNIAL			J1.1 – TIR WEDI EI DRIN/TARFU - DROS DRO/LLUOSFLWYDD BYRDYMR












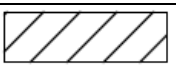
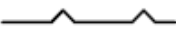

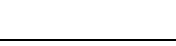


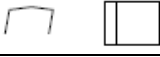

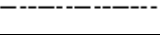

HABITATS OF PROTECTED SPECIES, IMPORTANT HABITATS OR OTHER DIVERSITY FEATURES PLAN	J2.1.1 – INTACT HEDGE – NATIVE SPECIES-RICH		J2.1.1 – GWRYCH CYFLAWN – YN LLAWN RHYWOGAETHAU BRODOROL
	J2.1.2 – INTACT HEDGE – SPECIES-POOR		J2.1.2 – GWRYCH CYFLAWN – YN BRIN O RYWOGAETHAU GWAHANOL
	J2.2.1 – DEFUNCT HEDGE – NATIVE SPECIES-RICH		J2.2.1 – GWRYCH MARW – YN LLAWN RHYWOGAETHAU BRODOROL
	J2.2.2 – DEFUNCT HEDGE – SPECIES-POOR		J2.2.2 – GWRYCH MARW – YN BRIN O RYWOGAETHAU GWAHANOL
	J2.3.1 – HEDGE WITH TREES – NATIVE SPECIES-RICH		J2.3.1 – GWRYCH Â CHOED – YN LLAWN RHYWOGAETHAU BRODOROL
	J2.3.2 – HEDGE WITH TREES – SPECIES-POOR		J2.3.2 – GWRYCH Â CHOED – YN BRIN O RYWOGAETHAU GWAHANOL
	J2.4 – FENCE		J2.4 – FFENS
	J2.5 – WALL		J2.5 – WAL
	J2.6 – DRY DITCH		J2.6 – FFOS SYCH
	J2.7 – BOUNDARY REMOVED		J2.7 – FFIN WEDI EI SYMUD ODDI YNO
	J2.8 – EARTH BANK		J2.8 – CLAWDD PRIDD
	J3.4 – CARAVAN SITE		J3.4 – MAES CARAFANNAU
	HABITATS OF PROTECTED SPECIES, IMPORTANT HABITATS OR OTHER DIVERSITY FEATURES PLAN	J3.6 – BUILDINGS	
J4 – BARE GROUND			J4 – TIR DIFFAITH
NATIVE BROADLEAVED WOODLAND & SCRUB (W1-17/20-23)			COETIR A PHRYSGWYDD LLYDANDDAIL BRODOROL (W1-17/20-23)
NATIVE BROADLEAVED WOODLAND & SCRUB (W1-17/20-23)			COETIR A PHRYSGWYDD LLYDANDDAIL BRODOROL (W1-17/20-23)
NATIVE BROADLEAVED WOODLAND & SCRUB (W1-17/20-23)			COETIR A PHRYSGWYDD LLYDANDDAIL BRODOROL (W1-17/20-23)
OTHER MIRES (M4-13/22-23/27-38)			CYFORGORSYDD ERAILL (M4-13/22-23/27-38)
OTHER MIRES (M4-13/22-23/27-38)			CYFORGORSYDD ERAILL (M4-13/22-23/27-38)
OTHER MIRES (M4-13/22-23/27-38)			CYFORGORSYDD ERAILL (M4-13/22-23/27-38)
IMPROVED GRASSLANDS (MG6-7)			GLASWELLTIROEDD WEDI EU GWELLA (MG6-7)
IMPROVED GRASSLANDS (MG6-7)			GLASWELLTIROEDD WEDI EU GWELLA (MG6-7)
NUETRAL GRASSLAND (MG1-5/8-13)			GLASWELLTIR NIWTRAL (MG1-5/8-13)
NUETRAL GRASSLAND (MG1-5/8-13)			GLASWELLTIR NIWTRAL (MG1-5/8-13)
NUETRAL GRASSLAND (MG1-5/8-13)			GLASWELLTIR NIWTRAL (MG1-5/8-13)
ACID GRASSLAND (U1-U6)			GLASWELLTIR ASIDIG (U1-U6)




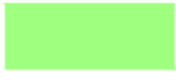
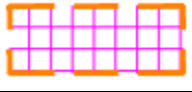






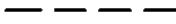

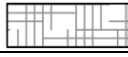
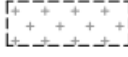




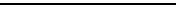
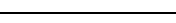















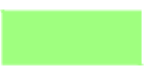
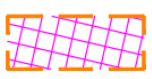
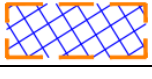

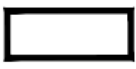

	ACID GRASSLAND (U1-UG)		GLASWELLTIR ASIDIG (U1-UG)
	MG10 / MG6 MOSAIC		MG10 / MG6 MOSAIG
	BOGS (M1-3/17-21)		CORSYDD (M1-3/17-21)
	MOLINA GRASSLANDS/MIRES (M24-26)		GLASWELLTIROEDD MOLINA/CYFORGORSYDD (M24-26)
STATUTORY OR NON-STATUTORY SITES OF FEATURES OF THE HISTORIC ENVIRONMENT PLAN	LOCATION OF SCHEDULE MONUMENT		LLEOLIAD YR HENEB RESTREDIG
	BOUNDARY OF SCHEDULED MONUMENT		FFIN YR HENEB RESTREDIG
LISTED BUILDINGS	GRADE I		GRADD I
	GRADE II*		GRADD II*
	GRADE II		GRADD II
STATUTORY OR NON-STATUTORY SITES OF FEATURES OF THE HISTORIC ENVIRONMENT PLAN	HISTORIC ENVIRONMENT RECORD		COFNOD AMGYLCHEDD HANESYDDOL
	CONSERVATION AREA		ARDAL GADWRAETH
	REGISTERED PARKS AND GARDENS (RPGS) SIGNIFICANT VIEWS		PARCIAU A GERDDI COFRESTREDIG - GOLYGFYDD ARWYDDOCAOL
	REGISTERED PARKS AND GARDENS (RPGS) KITCHEN GARDENS		PARCIAU A GERDDI COFRESTREDIG - GERDDI CEGIN
	REGISTERED PARKS AND GARDENS (RPGS) PARK BOUNDARY		PARCIAU A GERDDI COFRESTREDIG - FFIN PARC
	REGISTERED PARKS AND GARDENS (RPGS) ESSENTIAL SETTING		PARCIAU A GERDDI COFRESTREDIG - LLEOLIAD HANFODOL
	DESIGNATED WRECK SITE		SAFLE LLONGDDRYLLIAD DYNODEDIG
	LANDSCAPE OF OUTSTANDING HISTORIC INTEREST IN WALES		TIRWEDD O DDIDDORDEB HANESYDDOL EITHRIADOL YNG NGHYMRU
STATUTORY OR NON-STATUTORY SITES OF FEATURES OF THE HISTORIC ENVIRONMENT PLAN	LANDMAP HISTORIC LANDSCAPE ASPECT AREA BOUNDARY		FFIN AR ARDAL AGWEDD MAP TIR AR DIRWEDD HANESYDDOL
	ARFON PLATEAU		LLWYFANDIR ARFON
STATUTORY OR NON-STATUTORY SITES OF FEATURES OF THE HISTORIC ENVIRONMENT PLAN	IMPROVED FIELDS ABOVE PENTIR		CAEAU WEDI EU GWELLA UWCHLAW PENTIR
	Y FELINHELI (PORT DINORWIC)		Y FELINHELI
	VAYNOL		Y FAENOL
	ARCHAEOLOGY		ARCHAEOLEG
	POSSIBLE ARCHAEOLOGY		ARCHAEOLEG O BOSIBL

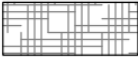








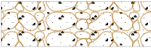



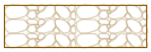







	ARCHAEOLOGY		ARCHAEOLEG
	POSSIBLE ARCHAEOLOGY		ARCHAEOLEG O BOSIBL
<b>TREES AND HEDGES POTENTIALLY AFFECTED PLANS</b>	IMPORTANT HEDGEROWS		GWRYCHOEDD PWYSIG
	TREE PRESERVATION ORDERS (TPO) WITH ACCOMPANYING ID REFERENCE		GORCHMYNION CADWRAETH COED GYDA CHYFEIRNOD CYSYLLTIEDIG
	ANCIENT WOODLAND WITH ACCOMPANYING ID REFERENCE		COETIR HYNAFOL GYDA CHYFEIRNOD CYSYLLTIEDIG
<b>TREES</b>	NOT AFFECTED		HEB EI EFFEITHIO
	POTENTIALLY AFFECTED		EFFEITHIO O BOSIBL
	AFFECTED/MANAGED		EFFEITHIO/DAN REOLAETH
	REMOVED		SYMUD
<b>HEDGEROWS</b>	NOT AFFECTED		HEB EI EFFEITHIO
	POTENTIALLY AFFECTED		EFFEITHIO O BOSIBL
	AFFECTED/MANAGED		EFFEITHIO/DAN REOLAETH
	REMOVED		SYMUD
<b>TRAFFIC REGULATION ORDER PLAN</b>	TRAFFIC REGULATION ORDERS		GORCHMYNION RHEOLEIDDIO TRAFFIG
	EXAMPLE REFERENCE FOR TRAFFIC REGULATION ORDERS		ENGHRAIFFT O GYFEIRNOD AR GYFER GORCHMYNION RHEOLEIDDIO TRAFFIG
<b>DESIGN PLANS</b>			
<b>COMMON SYMBOLS ACROSS DESIGN DRAWINGS</b>	ORDER LIMITS		TERFYNAU'R GORCHYMYN
	EXISTING EQUIPMENT		OFFER PRESENNOL
	NEW EQUIPMENT		OFFER NEWYDD
	EXISTING 400kV SUBSTATION BUILDING		ADELAD IS-ORSAF 400kV PRESENNOL
	EXISTING 132kV OUTDOOR SUBSTATION		IS-ORSAF AWYR AGORED 132kV PRESENNOL
	PYLON		PEILON
	FOUNDATION (BELOW GROUND LEVEL)		SYLFAEN (O DAN LEFEL Y TIR)
	INTERCEPTOR DITCH		FFOS RYNGDORRI
<b>SUBSTATION PARAMETER PLAN – WYLFA (DCO/PS/01_01)</b>	EXISTING NATIONAL GRID 400kV SUBSTATION FOOTPRINT		ÔL-TROED PRESENNOL IS- ORSAF 400kV Y GRID CENEDLAETHOL
	ZONE WITHIN WHICH NEW EQUIPMENT COULD BE LOCATED – [MAXIMUM HEIGHT -15m]		PARTH POSIBL AR GYFER Y CYFARPAR NEWYDD - [UCHDER MWYAF - 15m]
<b>INDICATIVE SUBSTATION LAYOUT – WYLFA (DCO_DE/PS/01_02)</b>	TEMPORARY CONSTRUCTION COMPOUND		COMPOWND ADELADU DROS DRO
	SINGLE CAPACITIVE VOLTAGE TRANSFORMER		NEWIDYDD FOLTEDD CAPASITI SENGL
	THREE PHASE EARTH SWITCH		SWITSH DAEARU TRI CHAM




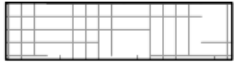
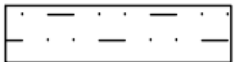









	SINGLE POST INSULATOR		YNYSYDD UN POSTYN
	SINGLE GANTRY		UN NENBONT
INDICATIVE SUBSTATION ELEVATION – WYLFA (DCO_DE/PS/01_03)	SINGLE CAPACITIVE VOLTAGE TRANSFORMER		NEWIDYDD FOLTEDD CAPASITI SENGL
	THREE PHASE EARTH SWITCH		SWITSH DAEARU TRI CHAM
	SINGLE POST INSULATOR		YNYSYDD UN POSTYN
SUBSTATION PARAMETER PLAN – PENTIR (DCO_DE/PS/01_04)	EXISTING NATIONAL GRID 400kV OUTDOOR SUBSTATION FOOTPRINT		ÔL-TROED PRESENNOL IS-ORSAF AWYR AGORED 400kV Y GRID CENEDLAETHOL
	ZONE WITHIN WHICH FULL LINE TENSION GANTRIES AND NEW EQUIPMENT COULD BE LOCATED [MAXIMUM HEIGHT – 18m]		PARTH POSIBL AR GYFER Y NENBONTYDD TENSIWN LLINELLAU LLAWN A'R CYFARPAR NEWYDD - [UCHDER MWYAF - 18m]
	ZONE WITHIN WHICH NEW EQUIPMENT COULD BE LOCATED – [MAXIMUM HEIGHT – 15m]		PARTH POSIBL AR GYFER Y CYFARPAR NEWYDD - [UCHDER MWYAF - 15m]
	ZONE WITHIN WHICH SHUNT REACTOR AND NEW EQUIPMENT COULD BE LOCATED [MAXIMUM HEIGHT – 15m]		PARTH POSIBL AR GYFER YR ADWEITHYDD SIYNTIO A'R CYFARPAR NEWYDD - [UCHDER MWYAF - 15m]
	ZONE WITHIN WHICH GANTRIES, ST PYLON AND NEW EQUIPMENT COULD BE LOCATED [MAXIMUM HEIGHT – 52m]		PARTH POSIBL AR GYFER Y NENBONTYDD, Y PEILON A'R CYFARPAR NEWYDD - [UCHDER MWYAF - 52m]
INDICATIVE SUBSTATION LAYOUT – PENTIR (DCO_DE/PS/01_05)	NEW SUBSTATION BOUNDARY		FFIN YR IS-ORSAF NEWYDD
	PART OF EXISTING 400kV OUTDOOR SUBSTATION		RHAN O'R IS-ORSAF AWYR AGORED 400kV PRESENNOL
	TEMPORARY CONSTRUCTION COMPOUND AND ACCESS		COMPOWND ADEILADU DROS DRO A MYNEDIAD
	PORTABLE RELAY ROOM		YSTAFELL RELÁI GLUDADWY
	SINGLE CABLE SEALING END		PEN SELIO CEBLAU UNIGOL
	SINGLE CIRCUIT BREAKER		TORRWR CYLCHED UNIGOL
	SINGLE CURRENT TRANSFORMER		NEWIDYDD UN CERRYNT
	SINGLE PANTOGRAPH DISCONNECTOR		DATGYSYLLTYDD PANTOGRAFF UNIGOL
	DISCONNECTOR WITH EARTH SWITCH		DATGYSYLLTYDD GYDA SWITSH DAEARU
	SINGLE THREE POLE POST INSULATOR		YNYSYDD POLYN TRI PHOLYN UNIGOL
	SINGLE GANTRY		UN NENBONT
	SINGLE THREE PHASE EARTH SWITCH		SWITSH DAEARU TRI CHAM UNIGOL
INDICATIVE SUBSTATION ELEVATION – PENTIR (DCO_DE/PS/01_06)	SINGLE CIRCUIT BREAKER		TORRWR CYLCHED UNIGOL

	SINGLE PANTOGRAPH DISCONNECTOR		DATGYSYLLTYDD PANTOGRAFF UNIGOL
	DISCONNECTOR WITH EARTH SWITCH		DATGYSYLLTYDD GYDA SWITSH DAEARU
	SINGLE CABLE SEALING END		PEN SELIO CEBLAU UNIGOL
	FULL TENSION GANTRY		NENBONT TENSIWN LLAWN
	SINGLE CURRENT TRANSFORMER		NEWIDYDD UN CERRYNT
	SINGLE CAPACITIVE VOLTAGE TRANSFORMER		NEWIDYDD FOLTEDD CAPASITI SENGL
	SINGLE POST INSULATOR		YNYSYDD UN POSTYN
<b>ILLUSTRATIVE TUNNEL LONGITUDINAL SECTION (DCO_DE/PS/07_01)</b>	EXAMPLE OF A HORIZONTAL TUNNEL ALIGNMENT		ENGHRAIFFT O ALINIAD LLORWEDDOL TWNNEL
	TUNNEL HORIZONTAL LIMIT OF DEVIATION		TERFYN LLORWEDDOL GWYRIAD Y TWNNEL
	APPROXIMATE GROUND LEVEL		BRASAMCAN O LEFEL Y TIR
	EXAMPLE OF A TUNNEL VERTICAL ALIGNMENT		ENGHRAIFFT O ALINIAD FERTIGOL TWNNEL
	APPROXIMATE EXTENT OF FAULT ZONE		BRASAMCAN O HYD A LLED Y PARTH NAM
<b>ILLUSTRATIVE TUNNEL CROSS SECTION (DCO_DE/PS/07_03)</b>	INDICATES ROUGH EXCAVATION PROFILE		YN DYNODI PROFFIL CLODDIO BRAS
	MINIMUM REQUIRED AREA FOR SPECIFIC CROSS SECTION		LLEIAFSWM YR ARWYNEBEDD SYDD EI ANGEN AR GYFER TRAWSTORIAD PENODOL
	LAND INTEREST AREA		ARDAL BUDDIANT MEWN TIR
<b>ILLUSTRATIVE LATTICE PYLON FOOTPRINTS (DCO_DE/PS/08_02)</b>	PYLON FOOTPRINT		ÔL TROED Y PEILON
	FOUNDATION (BELOW GROUND LEVEL)		SYLFAEN (O DAN LEFEL Y TIR)
<b>ILLUSTRATIVE LATTICE PYLON FOUNDATIONS (DCO_DE/PS/08_03)</b>	CONCRETE ABOVE GROUND LEVEL		CONCRIT UWCH BEN LEFEL Y TIR
	FOUNDATION BELOW GROUND LEVEL		SYLFAEN O DAN LEFEL Y TIR
	SIDE OF EXCAVATION		OCHR Y GWAITH CLODDIO
	GROUND LEVEL		LEFEL Y TIR

	<p>PYLON STEELWORK CONNECTED TO ABOVE GROUND CONCRETE</p> 	<p>GWAITH DUR PEILON WEDI EI GYSYLLTU Â'R TIR UWCH EI BEN Â CHONCRID</p>
	<p>150-450 CONCRETE ABOVE GROUND LEVEL DIMENSION DEPENDANT UPON GROUND SLOPE BETWEEN LEGS</p> 	<p>150-450 DIMENSIWN Y CONCRIT UWCH BEN LEFEL Y TIR, YN DIBYNNU AR LETHR Y TIR RHWNG Y COESAU</p>
<p><b>PARAMETER PLAN FOR BRAINT TUNNEL HEADHOUSE AND SEALING END COMPOUND (DCO_DE/PS/09_01)</b></p>	<p>TEMPORARY CONSTRUCTION COMPOUND AREA</p> 	<p>ARDAL COMPOWND ADELADU DROS DRO</p>
	<p>INDICATIVE AREA WITHIN WHICH POSSIBLE LANDSCAPING / MITIGATION WILL TAKE PLACE</p> 	<p>ARDAL DDANGOSOL LLE CYNHELIR GWAITH TIRLUNIO/LLINIARU O BOSIBL</p>
	<p>ZONE WITHIN WHICH FULL LINE TENSION GANTRIES AND CABLE SEALING END WILL BE LOCATED</p> 	<p>Y PARTH LLE BYDD Y NENBONTYDD TENSIWN LLINELL LLAWN A'R TERFYN SELIO CEBLAU</p>
	<p>ZONE WITHIN WHICH TUNNEL HEAD HOUSE WILL BE LOCATED</p> 	<p>Y PARTH LLE BYDD Y PRIF DŶ TWNNEL</p>
	<p>ZONE WITHIN WHICH PERMANENT ACCESS ROAD WILL BE LOCATED</p> 	<p>PARTH LLEOLIAD Y FFORDD MYNEDIAD PARHAOL</p>
	<p>AREA WITHIN WHICH TUNNEL HEADHOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED</p> 	<p>ARDAL LLE BYDD Y PRIF DŶ TWNNEL A'R COMPOWND TERFYN SELIO CEBLAU</p>
	<p>ILLUSTRATIVE SIZE OF THE TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND</p> 	<p>MAINT DANGOSOL Y PRIF DŶ TWNNEL A CHOMPOWND TERFYN SELIO CEBLAU</p>
	<p>ILLUSTRATIVE LOCATION OF THE TUNNEL HEAD HOUSE (MAXIMUM DIMENSIONS MEASURED EXTERNALLY (H) 8m VOLUME 4,350m<sup>3</sup>)</p> 	<p>LLEOLIAD DANGOSOL Y PRIF DŶ TWNNEL (DIMENSIYNAU MWYAF WEDI EU MESUR YN ALLANOL (H) 8m CYFAINT 4,350m<sup>3</sup>)</p>
	<p>ILLUSTRATIVE ROUTE OF PERMANENT ACCESS ROAD</p> 	<p>LLWYBR DANGOSOL Y FFORDD MYNEDIAD PARHAOL</p>
<p><b>INDICATIVE FINAL ARRANGEMENT FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION (DCO_DE/PS/09/02)</b></p> <p><b>AND</b></p> <p><b>INDICATIVE FINAL ARRANGEMENT FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION (DCO_DE/PS/09_06)</b></p>	<p>TUNNEL HEAD HOUSE AND SEALING END COMPOUND BOUNDARY</p> 	<p>FFIN Y PRIF DŶ TWNNEL A'R COMPOWND TERFYN SELIO</p>
	<p>CROSS SECTION ALIGNMENTS</p> 	<p>ALINIO TRAWSTORIADAU</p>
	<p>PERMANENT ACCESS ROAD</p> 	<p>FFORDD MYNEDIAD PARHAOL</p>
	<p>POND GRAVEL ACCESS TRACK</p> 	<p>LLWYBR MYNEDIAD GRAEAN AT Y PWLL DŴR</p>
	<p>SALINE WATER DRAINAGE</p> 	<p>DRAENIO DŴR HALEN</p>
	<p>SURFACE WATER DRAINAGE</p> 	<p>DRAENIO DŴR WYNEB</p>
	<p>OILY WATER DRAINAGE</p> 	<p>DRAENIO DŴR OLEWOG</p>
	<p>WASTE WATER DRAINAGE</p> 	<p>DRAENIO DŴR GWASTRAFF</p>
	<p>EXTENT OF PERMANENT LAND TAKE</p> 	<p>HYD A LLED Y TIR A GYMERIR YN BARHAOL</p>
<p>DISTRIBUTION NETWORK OPERATOR'S COMPOUND</p> 	<p>COMPOWND GWEITHREDWR Y RHWYDWAITH DOSBARTHU</p>	

	GROUND SURFACE CONTOURS		CYFUCLIN WYNEB Y TIR
<p><b>INDICATIVE FINISHED SURFACE LEVELS FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION (DCO_DE/PS/09_03)</b></p> <p><b>AND</b></p> <p><b>INDICATIVE FINISHED SURFACE LEVELS FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION (DCO_DE/PS/09_07)</b></p>	EXISTING GROUND LEVEL		LEFEL Y TIR AR HYN O BRYD
	PROPOSED FINISHED SURFACE LEVEL		LEFEL ARFAETHEDIG YR WYNEB WEDI EI GORFFEN
<p><b>INDICATIVE FINAL ARRANGEMENT FOR BRAINT TUNNEL HEADHOUSE AND CABLE SEALING END COMPOUND (DCO_DE/PS/09_04)</b></p> <p><b>&amp;</b></p> <p><b>INDICATIVE FINAL ARRANGEMENT FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND (DCO_DE/PS/09_08)</b></p>	PERMANENT ACCESS ROAD		FFORDD MYNEDIAD PARHAOL
	DISTRIBUTION NETWORK OPERATOR'S COMPOUND		COMPOWND GWEITHREDWR Y RHWYDWAITH DOSBARTHU
	CROSS SECTION ALIGNMENTS		ALINIO TRAWSTORIADAU
	SURFACE WATER FILTER DRAIN		DRAEN HIDLO DŴR WYNEB
	SURFACE WATER PIPE		PIBELL DŴR WYNEB
	WASTE WATER PIPE		PIBELL DŴR GWASTRAFF
	OILY WATER PIPE		PIBELL DŴR OLEWOG
	SALINE WATER PIPE		PIBELL DŴR HALEN
	OPERATIONAL FENCELINE		LLINELL FFENS WEITHREDOL
	FINISHED SURFACE LEVEL	FSL	LEFEL YR WYNEB WEDI EI GORFFEN
ABOVE ORDANANCE DATUM	AOD	UWCHLAW'R SEILNOD ORDNANS	
<p><b>PARAMETER PLAN FOR TŶ FODOL TUNEL HEADHOUSE AND CABLE SEALING END COMPOUND (DCO_DE/PS/09_05)</b></p>	TEMPORARY CONSTRUCTION COMPOUND AREA		ARDAL COMPOWND ADEILADU DROS DRO
	INDICATIVE AREA WITHIN WHICH POSSIBLE LANDSCAPING / MITIGATION WILL TAKE PLACE		ARDAL DDANGOSOL LLE CYNHELIR GWAITH TIRLUNIO/LLINIARU O BOSIBL
	ZONE WITHIN WHICH FULL LINE TENSION GANTRIES AND CABLE SEALING END WILL BE LOCATED		Y PARTH LLE BYDD Y NENBONTYDD TENSIWN LLINELL LLAWN A'R TERFYN SELIO CEBLAU
	ZONE WITHIN WHICH TUNNEL HEAD HOUSE WILL BE LOCATED		Y PARTH LLE BYDD Y PRIF DŶ TWNNEL
	AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED		ARDAL LLE BYDD PRIF ADEILAD Y TWNNEL A CHOMPOWND TERFYN SELIO'R CEBLAU
	ILLUSTRATIVE SIZE OF THE TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND		MAINT DANGOSOL Y PRIF DŶ TWNNEL A CHOMPOWND TERFYN SELIO CEBLAU
	ILLUSTRATIVE LOCATION OF THE TUNNEL HEAD HOUSE (MAXIMUM DIMENSIONS MEASURED EXTERNALLY (H) 11m VOLUME 9,300m³)		LLEOLIAD DANGOSOL Y PRIF DŶ TWNNEL (DIMENSIYNAU MWYAF WEDI EU MESUR YN ALLANOL (H) 11m CYFAINT 9,300m³)

	ILLUSTRATIVE ROUTE OF PERMANENT ACCESS ROAD		LLWYBR DANGOSOL Y FFORDD MYNEDIAD PARHAOL
	ZONE WITHIN WHICH PERMANENT ACCESS ROAD WILL BE LOCATED		PARTH LLEOLIAD Y FFORDD MYNEDIAD PARHAOL
ILLUSTRATIVE LATTICE PYLON CONDUCTOR PULLING POSITIONS (DCO_DE/PS/10_02)	ACCESS TRACK/ROAD		LLWYBR/FFORDD MYNEDIAD
	OHL CONDUCTORS		DARGLUDYDDION OHL
	CONDUCTOR PULLING POSITION		SAFLE TYNNU DARGLUDYDD
INDICATIVE OVERHEAD LINE LIMITS OF DEVIATION (DCO_DE/PS/10_03)	POSITION OF OUTER OHL CONDUCTORS IN CONDITIONS OF MAXIMUM SWING		SAFLE'R DARGLUDYDDION OHL ALLANOL YN YR ACHOSION MWYAF O SIGLO
ILLUSTRATIVE BELLMOUTH LAYOUT (DCO_DE/PS/11_01)	TIPPER TRUCK		WAGEN GODI
	ARTICULATED LOW LOADER		LLWYTHWR ISEL CYMALOG
ILLUSTRATIVE STONE ACCESS ROAD (DCO_DE/PS/11_02)	SOIL		PRIDD
	FINISHING SURFACE		WYNEB GORFFENEDIG
	SUB BASE CAPPING		CAPIO O DAN Y SYLFAEN
ILLUSTRATIVE CULVERT CONSTRUCTION DETAILS (DCO_DE/PS/11_04)	ACCESS TRACK / ROAD		LLWYBR/FFORDD MYNEDIAD
	SANDBAG		BAGIAU TYWOD
	INFILL		LLENWI
ILLUSTRATIVE BRIDGE DETAILS FOR TUNNEL CONSTRUCTION (DCO_DE/PS/11_06)	GEOTEXTILE		GEODECSTILAU
	GEOMEMBRANE		GEOFEINWE
	TEMPORARY GRANULAR MATERIAL		DEUNYDD GRAEANOG DROS DRO
	EXISTING GROUND		Y TIR AR HYN O BRYD
ILLUSTRATIVE OVERHEAD LINE CONSTRUCTION COMPOUND (DCO_DE/PS/12_01)	PEDESTRIAN ACCESS		MYNEDIAD I GERDDWYR
	SOIL BUND		BWND PRIDD
	TEMPORARY SOIL STORAGE		MAN STORIO PRIDD DROS DRO

	OFFSITE SURFACE & SUBSURFACE DRAINAGE FLOWS AND TREATED DISCHARGE FROM SEPTIC PLANT CONVEYED INTO SILTRATION SUMP / RETENTION FACILITIES. FLOWS FROM THIS DISCHARGED TO EITHER WATER COURSE, EXISTING DRAINS OR VIA NEW SOAKAWAY IF GROUND CONDITIONS ALLOW		LLIF DRAENIO AR YR WYNEB A THAN YR WYNEB ODDI AR Y SAFLE AC ARLLWYSIADAU WEDI EU TRIN O WAITH SEPTIG, WEDI EI GLUDO I GYFLEUSTERAU SWMP SILTIO / DARGADW. LLIFAU I'W GOLLWNG I'R LLIF DŴR, Y DRAENIAU PRESENNOL NEU DRWY SUDDFAN DŴR NEWYDD OS BYDD CYFLWR Y TIR YN CANIATÁU HYNNY
	COMPOUND SURFACE WATER FLOWS FROM ALL IMPERMEABLE AREAS INCLUDING; CAR PARK, CABINS, LAY DOWN AREA ETC. CONVEYED INTO SILTATION SUMP, OIL FILTER AND RETENTION FACILITY. FLOWS OF WATER DISCHARGED FROM FACILITIES MUST BE RESTRICTED TO FLOW RATES EQUIVALENT OR LOWER THAN EXISTING GREEN FIELD RUNOFF RATES.		LLIF DŴR WYNEB Y COMPOWND O BOB MAN ANATHRAIDD, GAN GYNNWYS; Y MAES PARCIO, CABANAU, MANNAU GOSOD, AC ATI. CLUDO I GYFLEUSTER SWMP SILTIO, HIDLYDD OLEW A DARGADW. MAE'N RHAID CYFYNGU AR LIF Y DŴR A DDAW O'R CYFLEUSTERAU I GYFRADDAU LLIF SY'N GYFYSTYR NEU'N IS NA CHYFRADDAU DŴR FFO TIR GLAS PRESENNOL.
ILLUSTRATIVE TUNNEL AND CABLE SEALING END CONSTRUCTION COMPOUND – BRAINT (DCO_DE/PS/12_02)  AND  ILLUSTRATIVE TUNNEL AND CABLE SEALING END CONSTRUCTION COMPOUND – Tŷ FODOL (DCO_DE/PS/12_03)	EQUIPMENT IDENTIFIER & DESCRIPTION		NODWR A DISGRIFIWR CYFARPAR
	ACCESS ROAD		FFORDD FYNEDIAD
	STORAGE AREA		MAN STORIO
ILLUSTRATIVE CONSTRUCTION COMPOUND – WYLFA (DCO_DE/PS/12_04)	EXISTING NATIONAL GRID 400kV INDOOR SUBSTATION COMPOUND		COMPOWND IS-ORSAF DAN DO 400kV BRESENNOL Y GRID CENEDLAETHOL
	NEW NATIONAL GRID 400kV OPERATIONAL FENCELINE		LLINELL FFENS WEITHREDOL 400kV NEWYDD Y GRID CENEDLAETHOL
	PARKING AREA		MAN PARCIO
	LAYDOWN AREA		MAN GOSOD
	PROPOSED ACCESS ROUTE		LLWYBR MYNEDIAD ARFAETHEDIG
ILLUSTRATIVE SUBSTATION CONSTRUCTION COMPOUND – PENTIR (DCO_DE/PS/12_05)	PARKING AREA		MAN PARCIO
	LAYDOWN AREA		MAN GOSOD
	ACCESS DIRECTION		CYFEIRIAD MYNEDIAD
	PEDESTRIAN ACCESS		MYNEDIAD I GERDDWYR