

MONA OFFSHORE WIND PROJECT

Appendix To Response To Hearing Action Point: Mona Offshore Wind Project And Awel Y Môr Offshore Wind Farm Works Plans Overlays

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F01



Image of an offshore wind farm

MONA OFFSHORE WIND PROJECT

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1 Mona Offshore Wind Project and Awel y Môr Offshore Wind Farm works plans overlays

1.1 Introduction

1.1.1.1 On 23 July 2024, following Issue Specific Hearing 2 (ISH2) on Onshore and Offshore Environmental Matters and draft Development Consent Order at the Examination of the Mona Offshore Wind Project, the Examining Authority (ExA) published ISH2 Hearing Action Points.

1.1.1.2 This document has been prepared in response to the following action point 15:
[The Applicant to] Supply overlay plan showing Mona and Awel y Môr Order Limits in area of approved and proposed sub-stations. Update this plan with National Grid Substation planning application.

1.2 Response

1.2.1.1 The Applicant has provided plans in this document showing:

- Sheet 1 - The Mona Offshore Wind Project's Order Limits and Works areas. The plan shows the following Mona Works in the vicinity of the National Grid substation, as set out in Schedule 1, Part 1 of the Mona Offshore Wind Project draft Development Consent Order (PDA-003):
 - Work No. 20:
 - (a) installation of up to four buried cable circuits between Work No. 17 and Work No. 21 approximately 2,386 m including cable ducts; and
 - (b) trenchless installation technique pit works including the creation of entrance and exit pits for trenchless installation techniques and cable trenching works;
 - Work No. 21:
 - (a) installation of up to four buried cable circuits between Work No. 20 and Work No. 22 approximately 159 m including cable ducts; and
 - (b) trenchless installation technique pit works including the creation of entry and exit pits for trenchless installation techniques and cable trenching works;
 - Work No. 22:
 - (a) land re-profiling and creation of platform or foundations for Work No. 22a;
 - (b) permanent landscaping, ecological and environmental works;
 - (c) utilities connections;
 - (d) drainage works including connections to existing drainage and creation of new sustainable drainage;
 - (e) access during construction, operation, maintenance and decommissioning;
 - (f) installation of up to four buried cable circuits from Work No. 21 to Work No. 22a including cable ducts;

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- (g) installation of up to two buried 400 kV cable circuits from Work No. 22a to Work No. 25 including cable ducts; and
- (h) trenchless installation technique pit works including the creation of entry and exit pits for trenchless installation techniques and cable trenching works;
- Work No. 22a: within Work No. 22 construction of an onshore HVAC substation containing (but not limited to) switchgear and electrical equipment including power transformers, reactive compensation equipment, filters, cooling equipment, control and welfare buildings, lightning rods, access during construction, operation and maintenance, security fencing and security gate and other associated equipment, structures and buildings including noise-attenuation works if required;
- Work No. 23:
 - permanent landscaping, ecological and environmental works, including watercourse realignment and attenuation pond(s);
 - (b) temporary construction compound and laydown area; and
 - (c) access during construction;
- Work No. 24:
 - (a) temporary and permanent landscaping, ecological and environmental works, including watercourse realignment and temporary attenuation pond(s);
 - (b) temporary construction compound and laydown area of up to 150,000 m² ; and
 - (c) access during construction;
- Work No. 25:
 - (a) installation of up to two buried 400 kV cable circuits between Work No. 22 and Work No. 26 including cable ducts;
 - (b) trenchless installation technique pit works including the creation of entry and exit pits for trenchless installation techniques and cable trenching works;
 - (c) access during construction; and
 - (d) temporary construction compound and laydown area;
- Work No. 26: electrical works to connect to the National Grid Substation including:
 - (a) works needed to connect the authorised project to the National Grid Substation that National Grid is not required, under its transmission licence, to carry out itself including (but not limited to) cabling, cable sealing ends, circuit breakers, surge arrestors, disconnectors, transformers, busbars and busbar clamp measuring equipment, relay marshalling rooms and electrical earthing works;
 - (b) installation of up to two buried 400 kV cable circuits including cable ducts; and

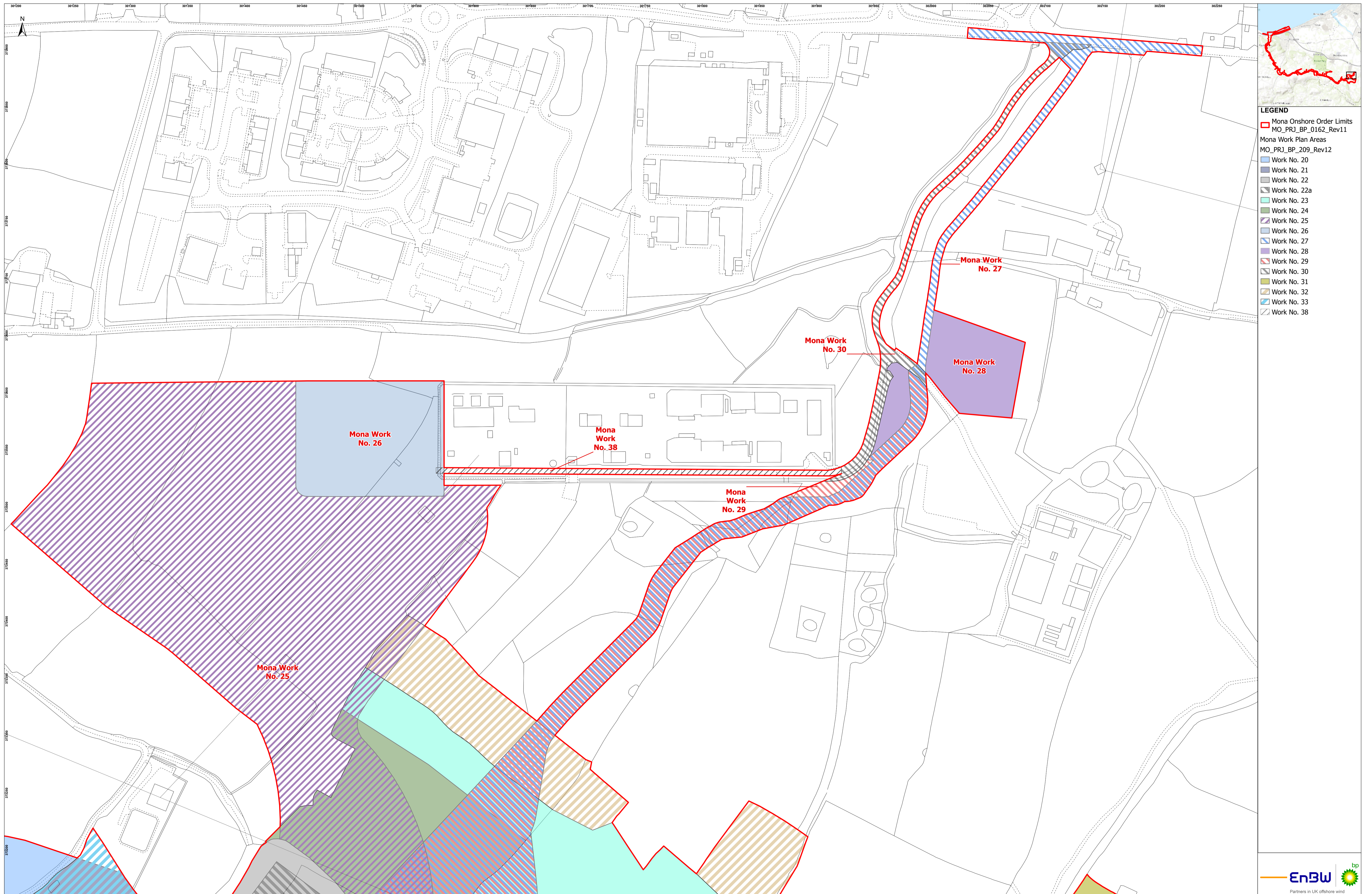
MONA OFFSHORE WIND PROJECT

- (c) trenchless installation technique pit works including the creation of entry and exit pits for trenchless installation techniques and cable trenching works;
- Work No. 27: access during construction including worksto the public highway and visibility splays;
- Work No. 28: temporary construction compound and laydown area of up to 7,100 m²;
- Work No. 29: creation of permanent access including utility connections and drainage;
- Work No. 30: permanent access;
- Work No. 31: temporary landscaping, ecological and environmental works;
- Work No. 32: landscaping, ecological and environmental works;
- Work No. 33: land reprofiling and permanent landscaping, ecological and environmental works;
- Work No. 38: permanent accesses.
- Sheet 2 - The Awel y Môr Offshore Wind Farm's Order Limits and Works areas. The plan shows the following Awel y Môr Works in the vicinity of the National Grid substation, as set out in the Schedule 1, Part 1 of the Awel Offshore Wind Farm Order 2023):
 - Work No. 36: Installation of up to two buried 400kV cable circuits with cable ducts (if required) between Work No. 32 and Work No. 40 from Glascoed Road to the National Grid substation approximately 912 m; including cable ducts, trenchless installation technique pit works including the creation of entrance and exit pits and cable trenching works; construction of a haul road, temporary construction working areas and laydown area, creation and improvement of accesses including works to junctions and visibility splays;
 - Work No. 39:
 - (a) creation of construction access, construction of a haul road, temporary construction working areas and laydown area and creation and improvement of accesses to public highway including works to junctions and visibility splays; and
 - (b) creation of permanent access, including works to connect the access to Glascoed Road;
 - Work No. 39A: Within Work No. 39, creation of a temporary construction compound and laydown area of no more than 10,000 m²;
 - Work No. 40: Electrical works to connect to the National Grid substation
 - (a) works needed to connect the authorised project to the National Grid substation at Bodelwyddan that National Grid is not required, under its transmission licence, to carry out itself including (but not limited to) cabling, cable sealing ends, circuit breakers, surge arrestors, dis-connectors, transformers, busbars and busbar clamp

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- measuring equipment, relay marshalling rooms and electrical earthing works;
- (b) installation of up to two buried 400kV cable circuits with cable ducts (if required) between Work No. 36 and the National Grid substation; including cable ducts, trenchless installation technique pit works including the creation of entrance and exit pits and cable trenching works;
- (c) construction of a haul road, temporary construction compound and laydown area; and
- (d) creation of access roads to provide operational and maintenance access; and
- Work No. 41: Access roads to provide operational access from the public highways to Work Nos. 4 to 40 and any associated development
- Sheet 3 - An overlay of the Mona Offshore Wind Project's (Works No's: 20, 21, 22, 22a, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 38) and The Awel y Môr Offshore Wind Farm's Order Limits and Works areas (Works No's: 36, 39, 39A, 40, 41) in the vicinity of National Grid substation

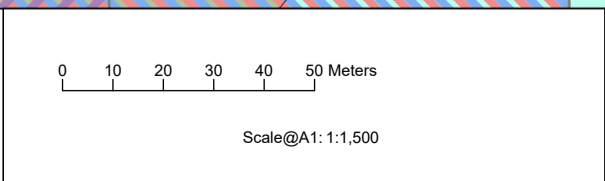
1.2.1.2 The Applicant will continue to engage with National Grid regarding their submission of planning applications for their substation extension and overhead lines reconfigurations and will submit an update of this document once that information is available, and at the appropriate Deadline.



- LEGEND**
- MO_PRJ_BP_0162_Rev11
 - MO_PRJ_BP_209_Rev12
 - Work No. 20
 - Work No. 21
 - Work No. 22
 - Work No. 22a
 - Work No. 23
 - Work No. 24
 - Work No. 25
 - Work No. 26
 - Work No. 27
 - Work No. 28
 - Work No. 29
 - Work No. 30
 - Work No. 31
 - Work No. 32
 - Work No. 33
 - Work No. 38

Project Name:
MONA OFFSHORE WIND PROJECT

Drawing Title:
MONA OFFSHORE WIND PROJECT AND AWEL Y MŌR
OFFSHORE WIND FARM WORKS AREAS OVERLAYS



Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid

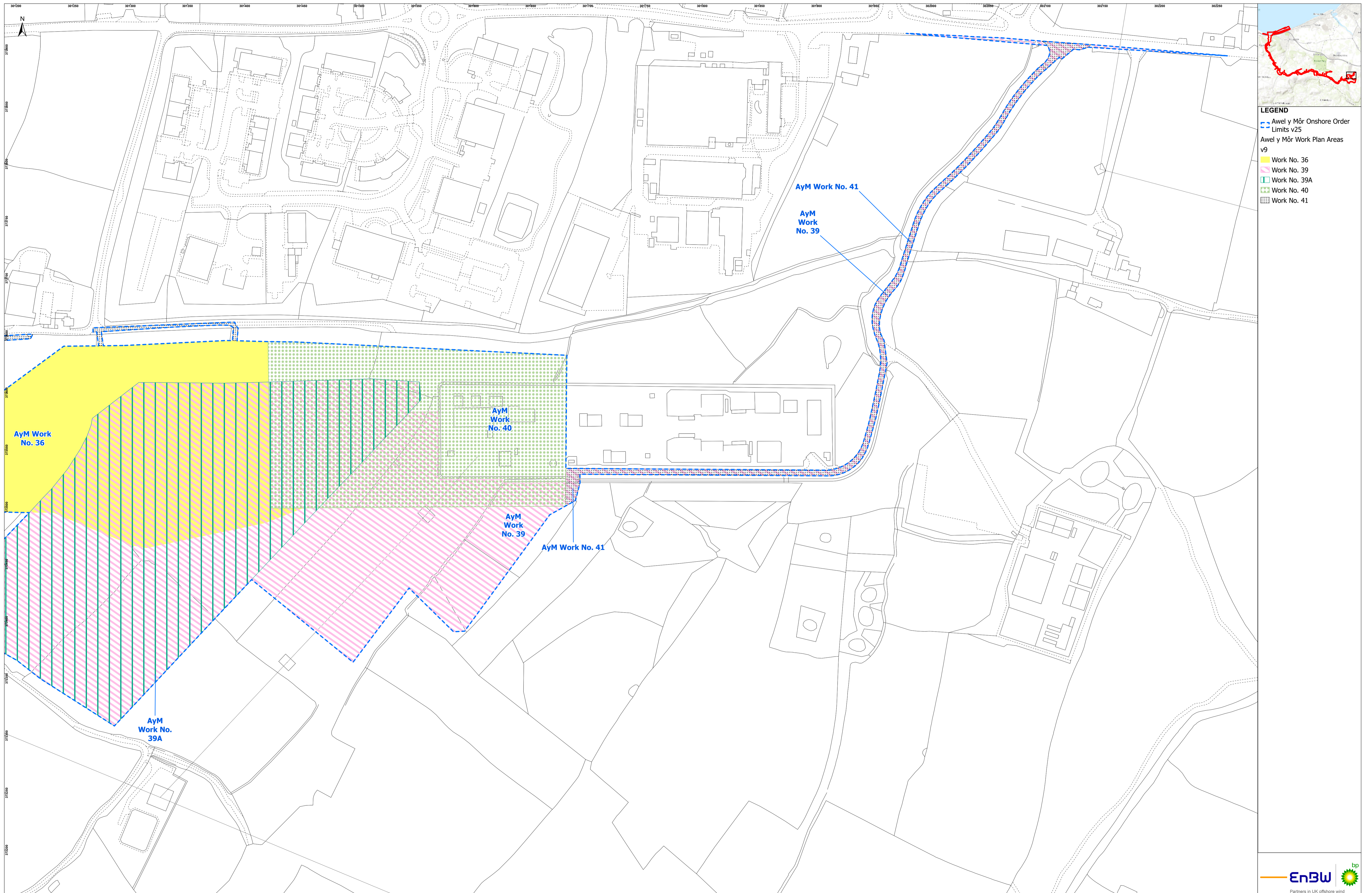
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Doc Ref: S_D1_5.7_Mona_OWF

Service Layer Credits: World Topographic Map: Esri UK, Esri, HERE, Garmin, USGS, NGA

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Drawing Number:
Sheet 1

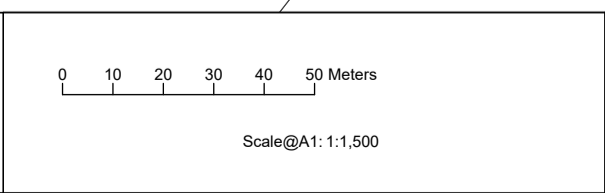




- LEGEND**
- Awel y Môr Onshore Order Limits v25
 - Awel y Môr Work Plan Areas v9
 - Work No. 36
 - Work No. 39
 - Work No. 39A
 - Work No. 40
 - Work No. 41

Project Name:
MONA OFFSHORE WIND PROJECT

Drawing Title:
MONA OFFSHORE WIND PROJECT AND AWEL Y MÔR OFFSHORE WIND FARM WORKS AREAS OVERLAYS



Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid

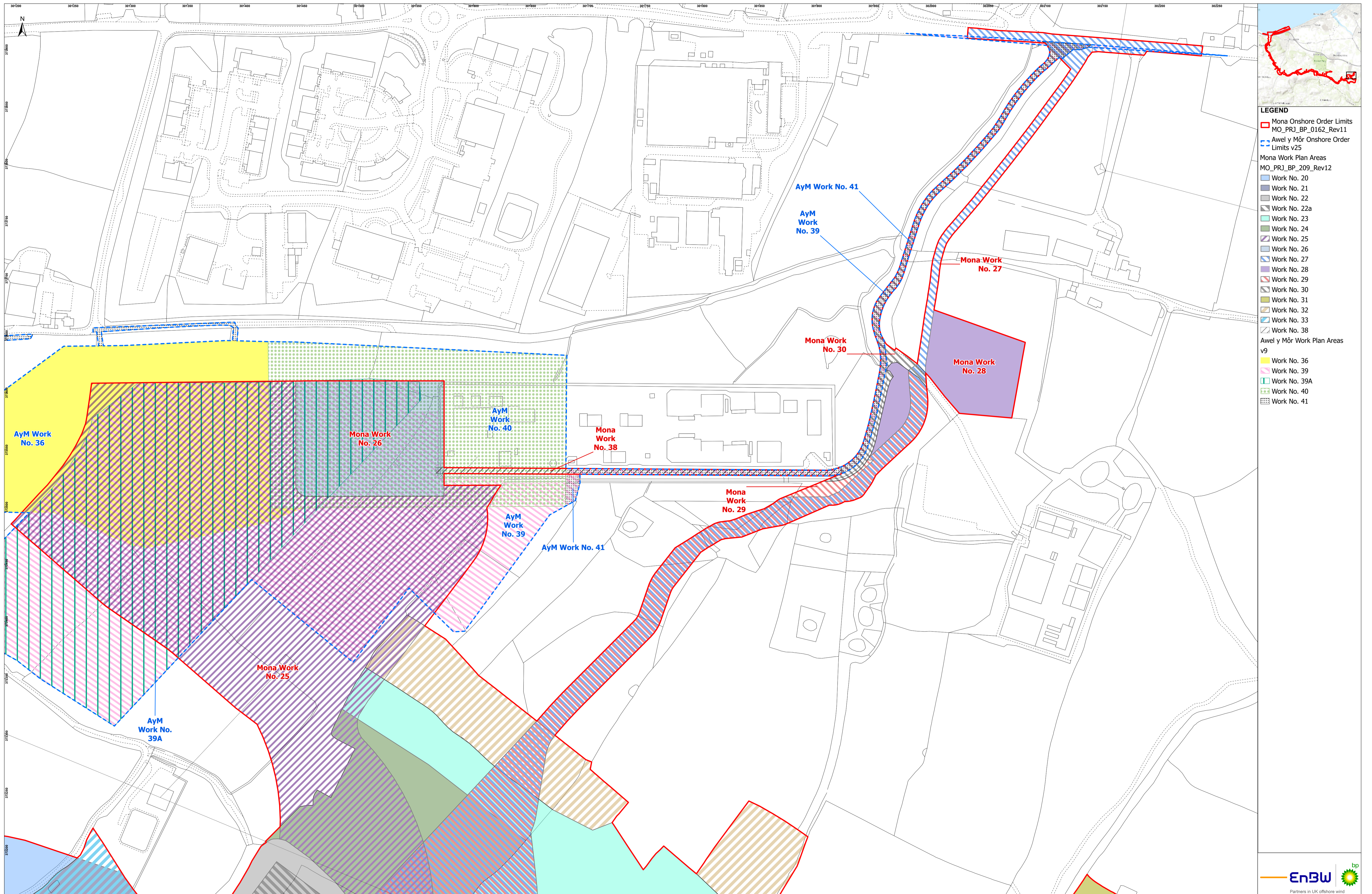
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Sheet 2

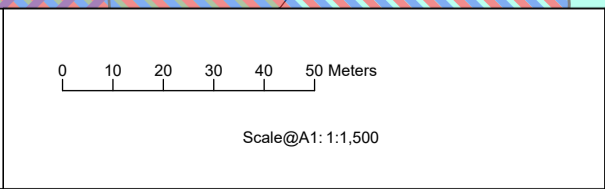




- LEGEND**
- MO_PRJ_BP_0162_Rev11
 - Awel y Môr Onshore Order Limits v25
 - Mona Work Plan Areas MO_PRJ_BP_209_Rev12
 - Work No. 20
 - Work No. 21
 - Work No. 22
 - Work No. 22a
 - Work No. 23
 - Work No. 24
 - Work No. 25
 - Work No. 26
 - Work No. 27
 - Work No. 28
 - Work No. 29
 - Work No. 30
 - Work No. 31
 - Work No. 32
 - Work No. 33
 - Work No. 38
 - Awel y Môr Work Plan Areas v9
 - Work No. 36
 - Work No. 39
 - Work No. 39A
 - Work No. 40
 - Work No. 41

Project Name:
MONA OFFSHORE WIND PROJECT

Drawing Title:
MONA OFFSHORE WIND PROJECT AND AWEL Y MÔR OFFSHORE WIND FARM WORKS AREAS OVERLAYS



Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid

APFP Ref:
Doc Ref: S_D1_57_Mona_OWF

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Drawing Number:
Sheet 3

