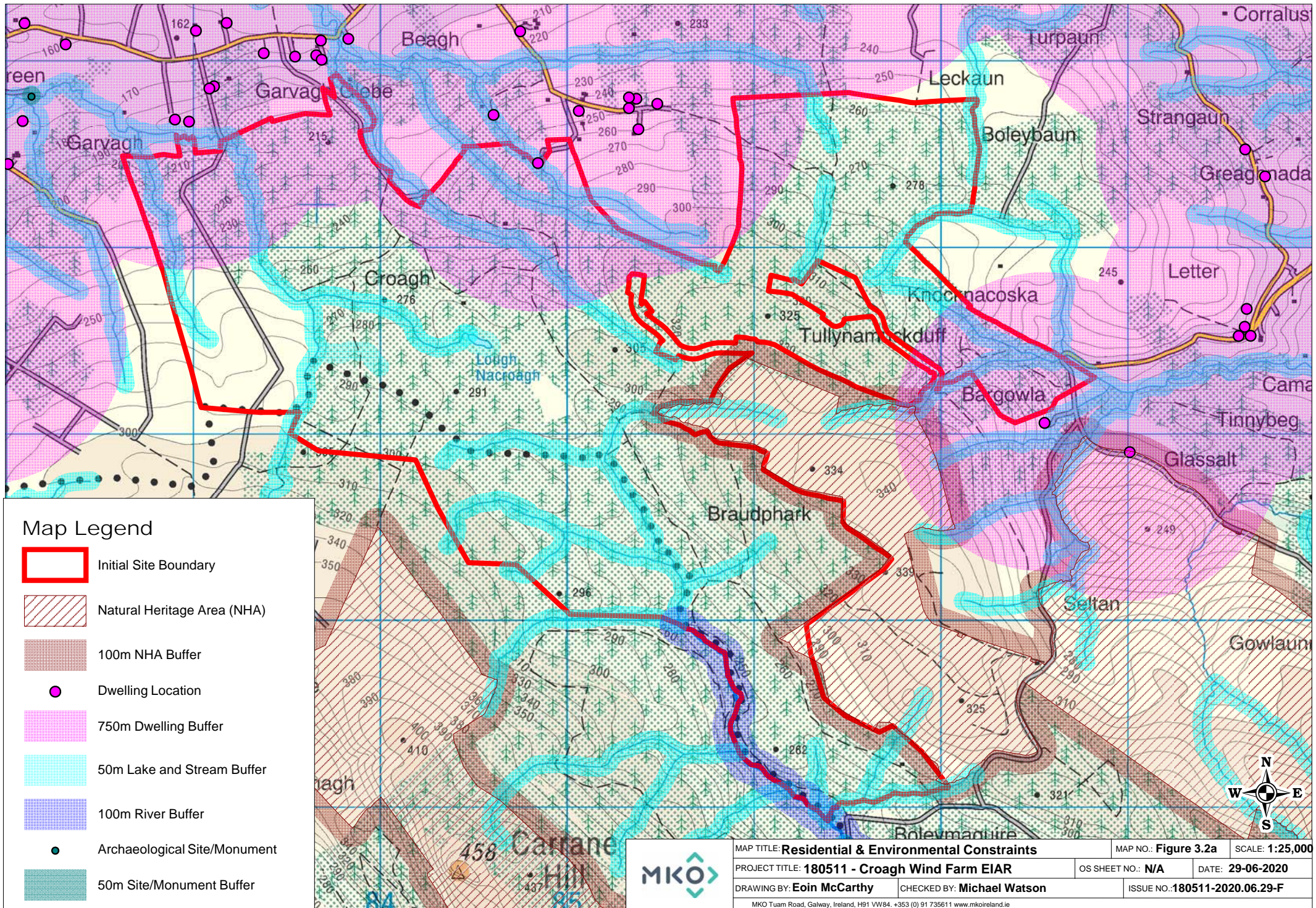




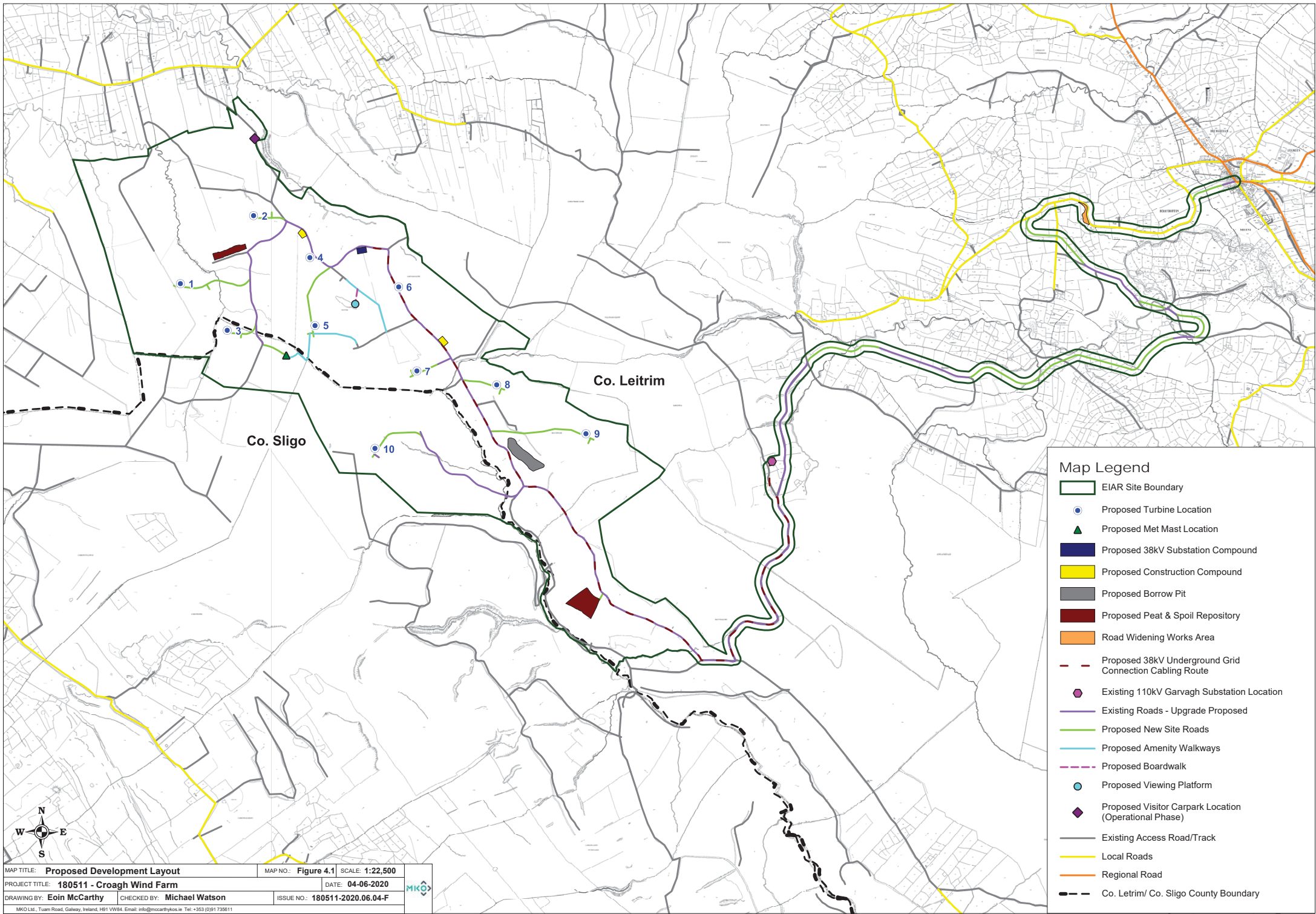
## **APPENDIX 6**

### **DETAILED DESIGN DRAWINGS**







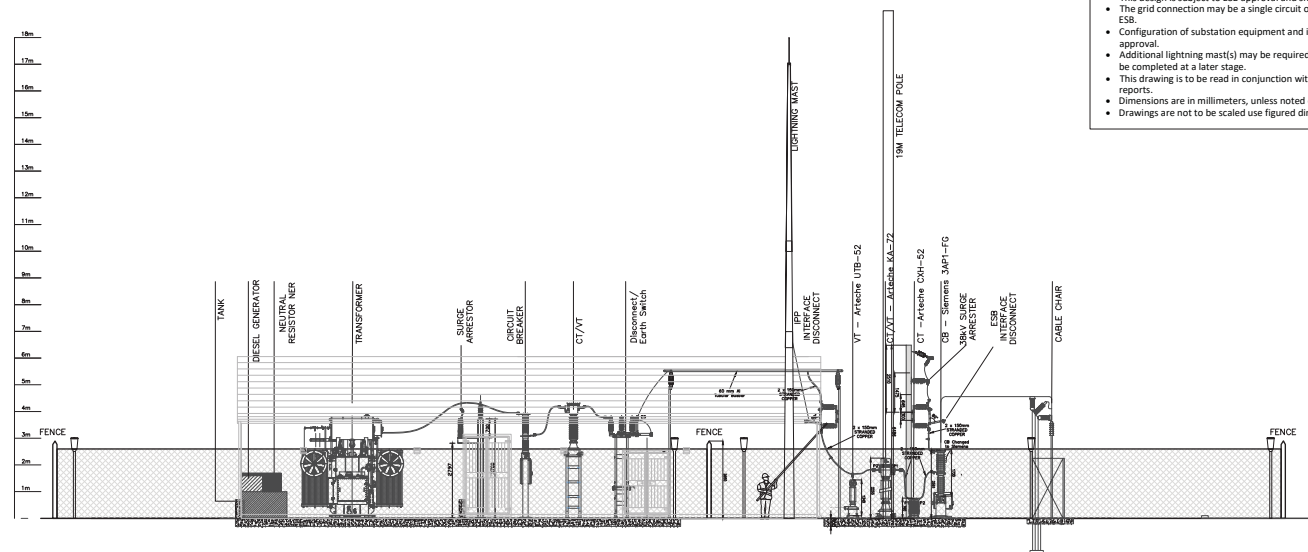


### Map Legend

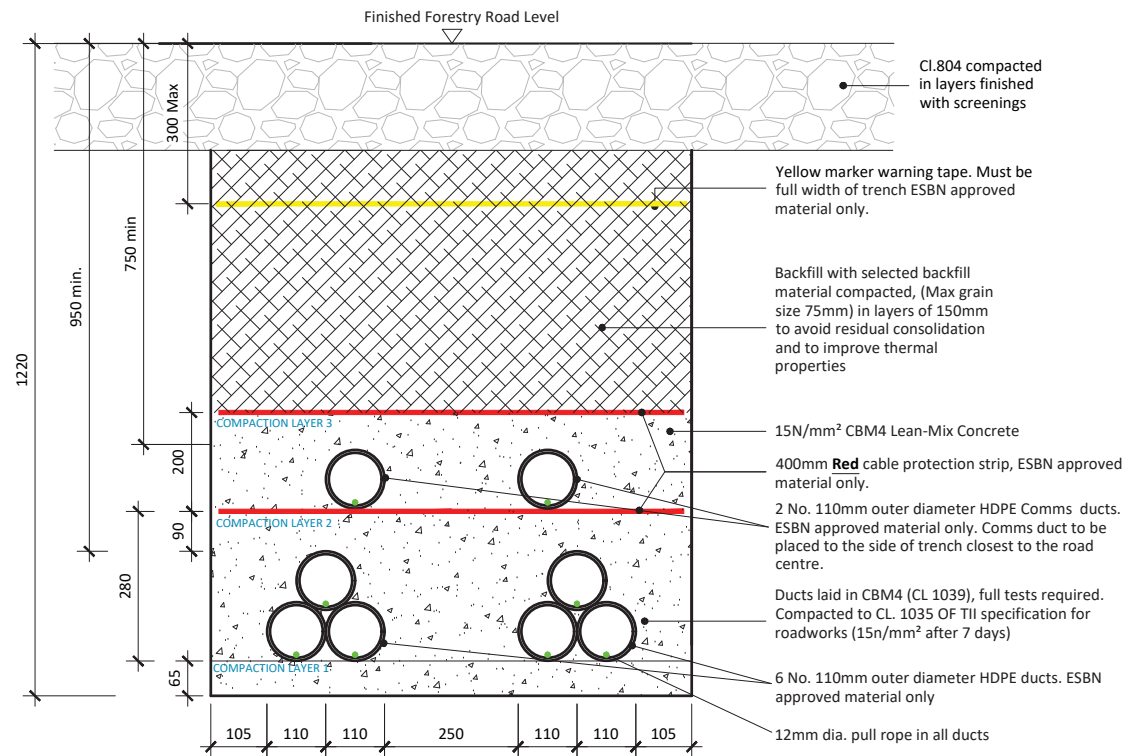
- EIAR Site Boundary
- Proposed Turbine Location
- Proposed Met Mast Location
- Proposed 38kV Substation Compound
- Proposed Construction Compound
- Proposed Borrow Pit
- Proposed Peat & Spoil Repository
- Road Widening Works Area
- Proposed 38kV Underground Grid Connection Cabling Route
- Existing 110kV Garvagh Substation Location
- Existing Roads - Upgrade Proposed
- Proposed New Site Roads
- Proposed Amenity Walkways
- Proposed Boardwalk
- Proposed Viewing Platform
- Proposed Visitor Carpark Location (Operational Phase)
- Existing Access Road/Track
- Local Roads
- Regional Road
- Co. Leitrim/Co. Sligo County Boundary



**SCALE 1:100**



## 38kV DOUBLE CIRCUIT DETAILS



### Typical Section Through Forestry Road

SCALE 1:10

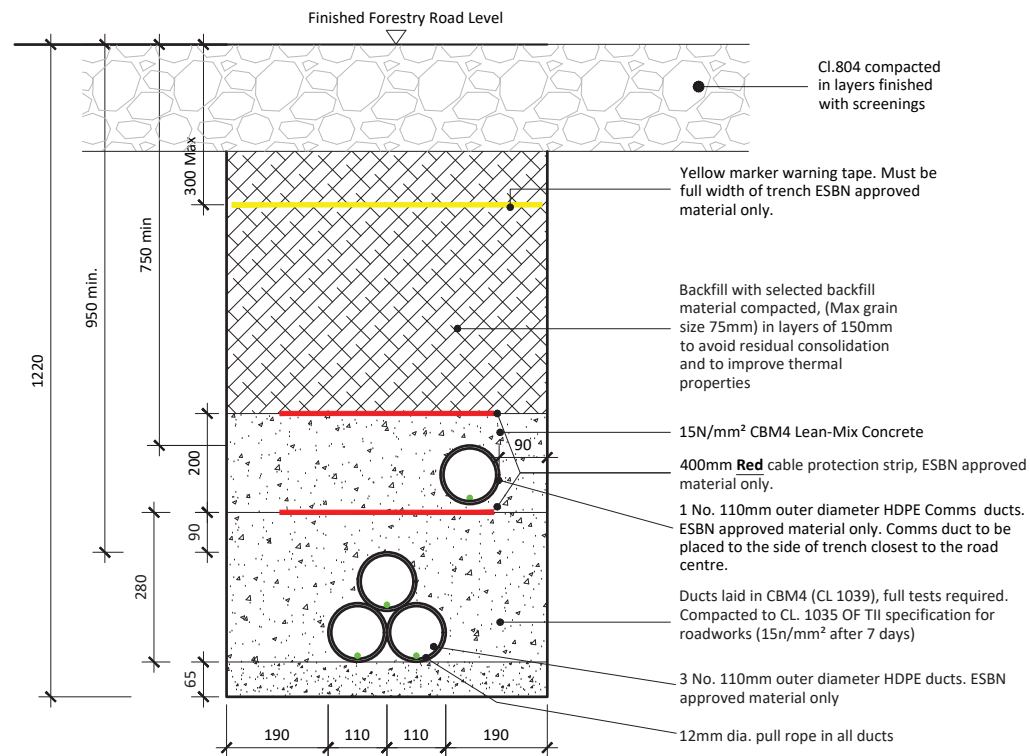
#### Note:

- The proposed design is subject to ESB approval and should be used for planning purposes only.
- This drawing is to be read in conjunction with relevant drawings, specifications and reports.
- Dimensions are in millimeters, unless noted otherwise.
- Drawings are not to be scaled use figured dimensions only.

**ALL REINSTATEMENT WORKS ARE TO BE IN ACCORDANCE WITH LANDOWNERS REQUIREMENTS**

Figure 4-15

I/R	DATE	DESCRIPTION
03	01.07.20	Issued for Planning
02	12.06.20	Issued for Planning
01	19.11.19	Issued for Planning
00	29.08.19	Issued for Information



### Typical Section Through Forestry Road

SCALE 1:10

#### Note:

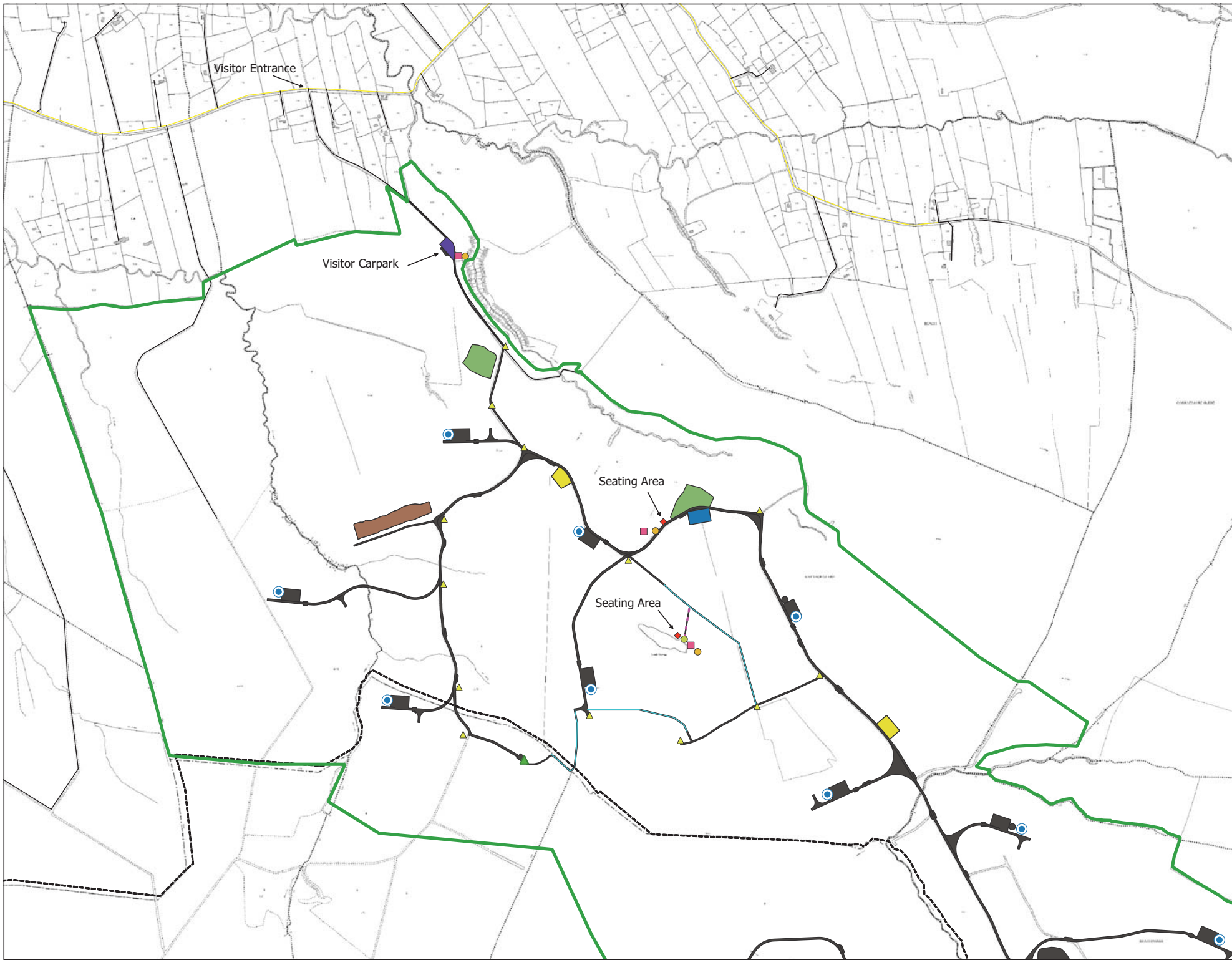
- The proposed design is subject to ESB design approval and should be used for planning purposes only.
- This drawing is to be read in conjunction with relevant drawings, specifications and reports.
- Dimensions are in millimeters, unless noted otherwise.
- Drawings are not to be scaled use figured dimensions only.

**ALL REINSTATEMENT WORKS ARE TO BE IN ACCORDANCE WITH LANDOWNERS REQUIREMENTS**


Figure 4-16

I/R	DATE	DESCRIPTION
02	01.07.20	Issued for Planning
01	12.06.20	Issued for Planning
00	29.08.19	Issued for Information






- ### Map Legend
- EIAR Site Boundary
  - Proposed Turbine Location
  - Proposed Met Mast Location
  - Proposed 38kV Substation Compound
  - Proposed Construction Compound
  - Proposed Peat & Soil Repository
  - Proposed Visitor Carpark
  - Native Woodland Broadleaf Planting Areas
  - Development Footprint
  - Proposed Amenity Walkways
  - Proposed Boardwalk
  - Proposed Viewing Platform (Indicative Location)
  - Proposed Seating Areas (Indicative Location)
  - Proposed Information Signage (Indicative Location)
  - Proposed Waypoint Signage (Indicative Location)
  - Proposed 'You are Here' Signage (Indicative Location)
  - Existing Forestry Access Road/Track
  - Local Roads
  - Co. Leitrim / Co. Sligo County Border



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Drawing Title	
Recreation and Amenity Proposal	
Project Title	
180511 - Croagh Wind Farm EIAR	
Drawn By	Checked By
Daire O'Shaughnessy	Eoin McCarthy
Project No.	Drawing No.
180511	4-30
Scale	Date
1:10,000	29.06.20



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Website: www.mkoreland.ie



**Project Design Drawing Notes**

1. Drawings issued are for planning application purposes only.
2. Drawings not to be used for construction/contract conditions.
3. Copyright, all rights reserved. No part herewith may be copied or reproduced partially or wholly in any form whatsoever without the prior notice of the copyright owner McCarthy Keville O'Sullivan.
4. Do not scale off this drawing. Figured metric dimensions only should be taken off this drawing.
5. All contractors, whether main or sub-contractors, must visit the site and are responsible for taking and checking any and all dimensions and levels that relate to the works.
6. The use of or reliance upon this drawing shall be deemed to be acceptance of these conditions of use unless otherwise agreed in writing, such written agreement to be sought from and issued by the copyright holder to the use or reliance upon this drawing.
7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.
9. Exact location of grid connection cable/joint bay in the road curtilage to be subject to ESB specifications and agreement with Leitrim County Council.

**Drawing Legend**

- Planning Application Boundary (Leitrim County Council)
- Existing Road to be Upgraded
- Existing Road no Upgrade Proposed



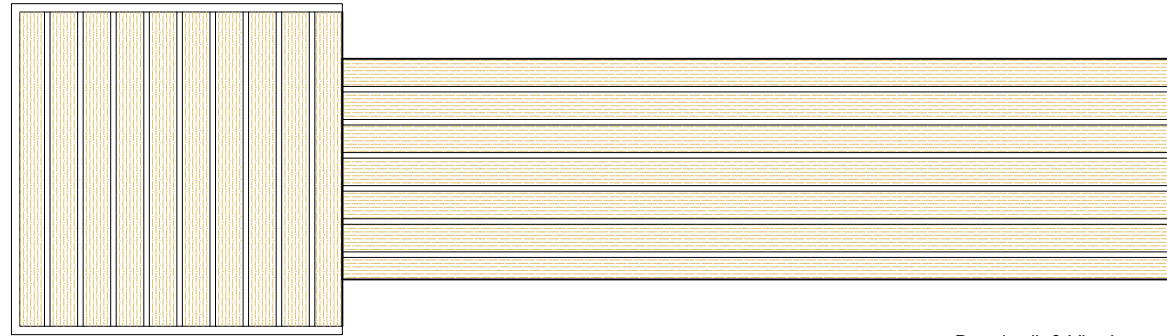
Figure 4-31	
<b>Visitor Carpark</b>	
Croagh Wind Farm, Co. Leitrim/ Co. Sligo	
DRAWING BY: <b>Joseph O'Brien</b>	CHECKED BY: <b>Michael Watson</b>
PROJECT NO: <b>180511</b>	DRAWING NO: <b>180511 - 50</b>
SCALE: <b>1:500 @ A3</b>	DATE: <b>03.07.2020</b>
JOB SHEET NO: 1196, 1197, 1198, 1262, 1263, 1264, 1331, 1332, 1333	



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email: info@www.mkoireland.ie  
Website: www.mkoireland.ie

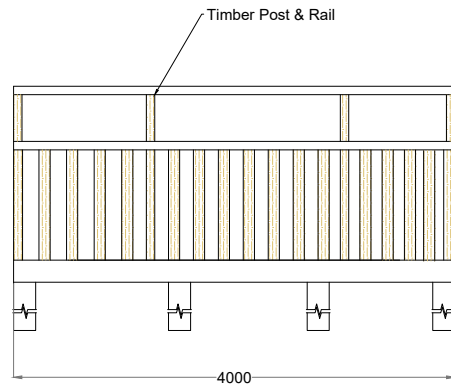
Ordnance Survey Ireland Licence No. A10021 62006 Ordnance Survey Ireland/Government of Ireland



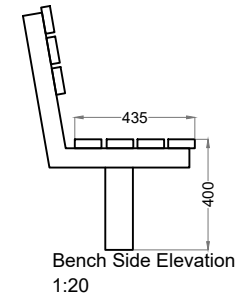
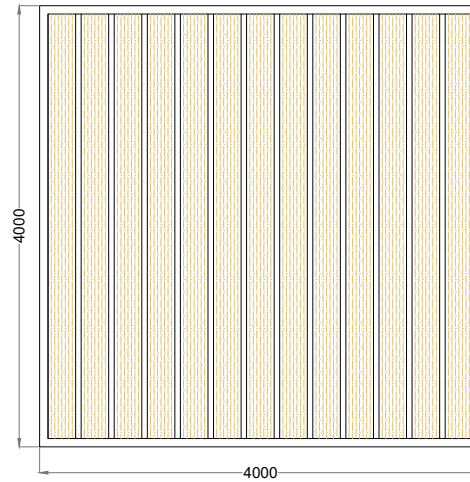


Boardwalk & Viewing  
Area Plan  
1:50

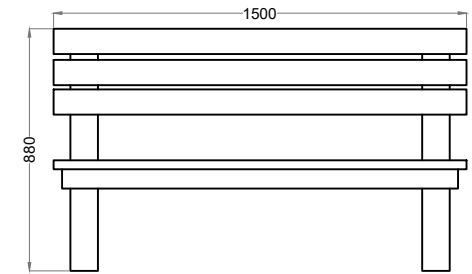
Viewing Area  
Elevation  
1:50



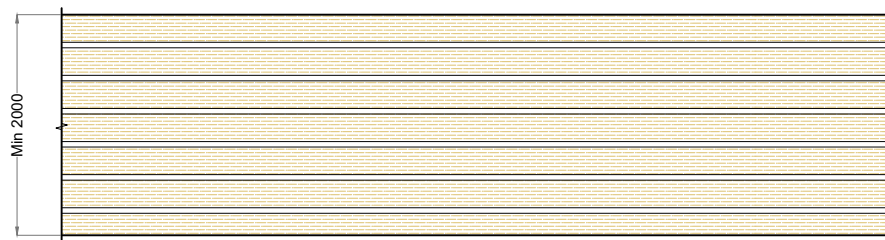
Viewing Area  
Plan  
1:50



Bench Side Elevation  
1:20



Bench Front Elevation  
1:20



Boardwalk  
Plan  
1:50

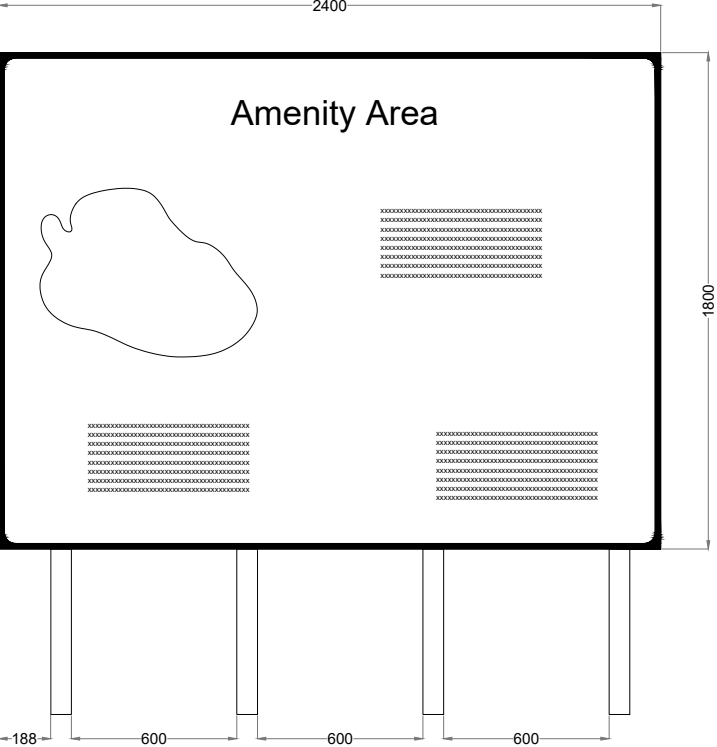


Boardwalk  
Elevation  
1:50

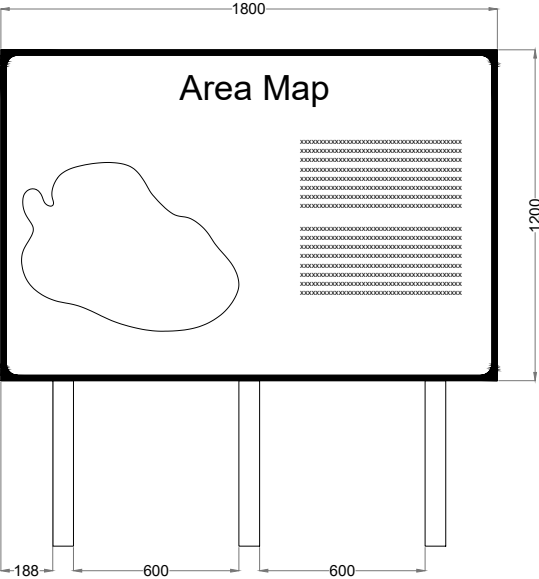
Figure 4-33

DRAWING TITLE <b>Proposed Boardwalk, Viewing Area &amp; Bench Typical Detail</b>	
PROJECT <b>Croagh Wind Farm, Co. Leitrim/ Co. Sligo</b>	
DRAWING BY <b>Joseph O'Brien</b>	CHECKED BY <b>Eoin McCarthy</b>
PROJECT NO. <b>180511</b>	DRAWING NO. <b>180511 - 52</b>
SCALE <b>As Shown @ A3</b>	DATE <b>03.07.2020</b>

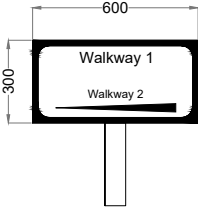
Note  
For illustrative purposes only  
exact details to be confirmed



Signage Type A - Waypoint Map Signage



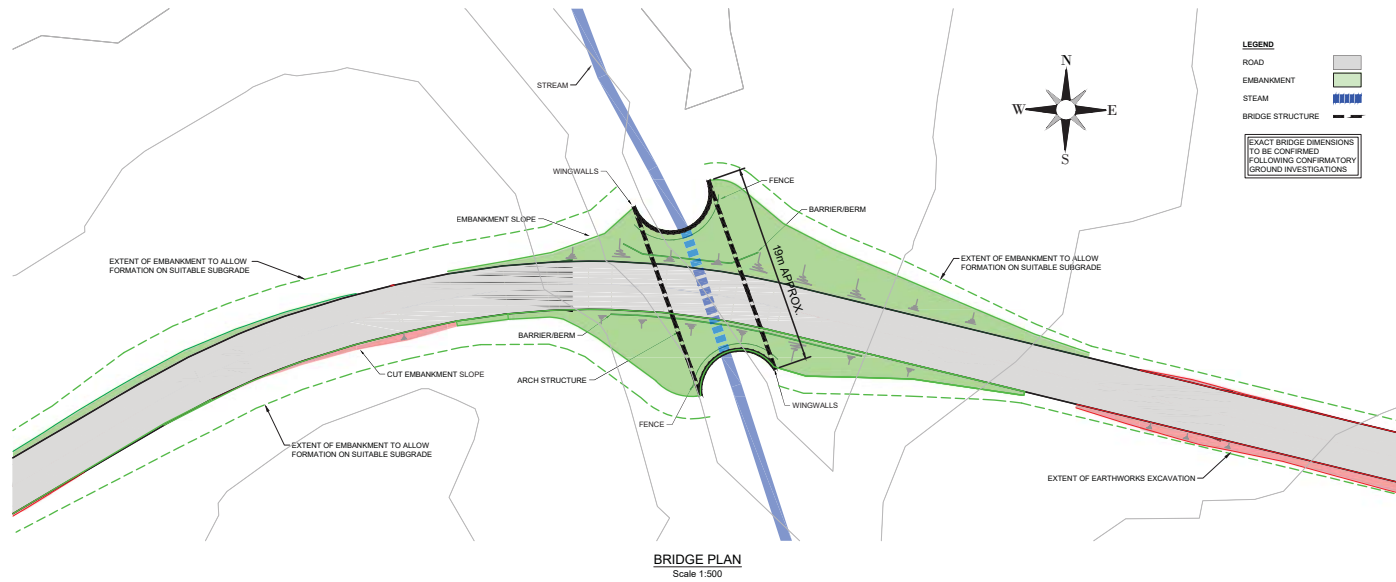
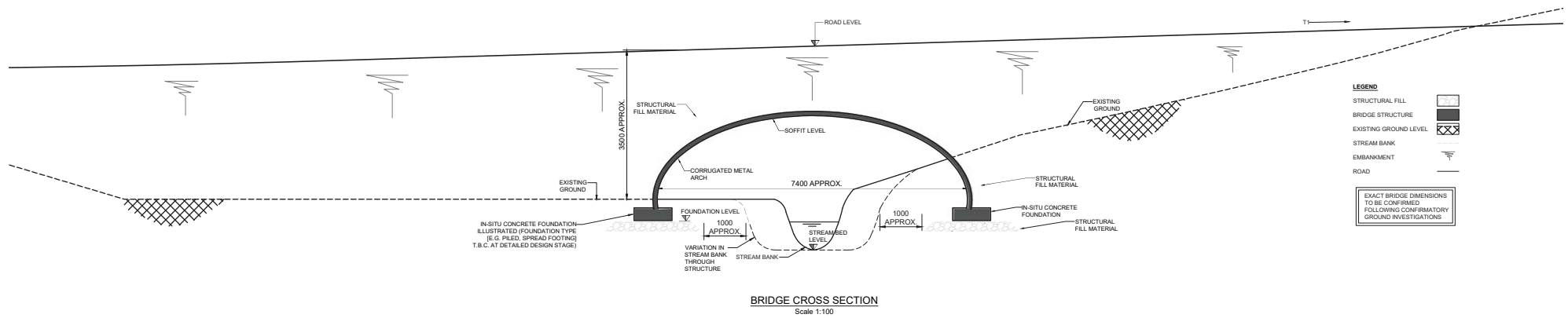
Signage Type B - Entry Point Signage




Signage Type C - Way Point Direction Signage

Figure 4-34			
DRAWING TITLE			
Amenity Signage Typical Detail			
PROJECT TYPE			
Croagh Wind Farm, Co. Leitrim/ Co. Sligo			
DRAWING BY		CHECKED BY	
Joseph O'Brien		Eoin McCarthy	
PROJECT NO.		DRAWING NO.	
180511		180511 - 53	
SCALE		DATE	
1:20 @A3		03.07.2020	
MKO		MKO	
		Planning and Environmental Consultants	
		Tuam Road, Galway	
		Ireland, H91 VV84	
		+353 (0)91 735611	
		email: info@www.mkofireland.ie	
		Website: www.mkofireland.ie	





**Figure 4.38**

NOTES					ENGINEER		CLIENT		PROJECT	
					 <p>The Hyde Building, The Park, Carrickmines, Dublin 18, D18VC44, Ireland  E: <a href="mailto:hello@ionicconsulting.ie">hello@ionicconsulting.ie</a>  T: +353 (0) 1 445 5031  W: <a href="http://www.ionicconsulting.ie">www.ionicconsulting.ie</a>  Formerly known as WIND PROSPECT IRELAND</p>				CROAGH WIND FARM	
D	03.07.20	M.B.	J.S.	LEGEND ADDED					TITLE	
C	01.11.19	M.B.	J.S.	CLIENT COMMENTS INCLUDED	DRAWN BY		DATE		PROPOSED NEW WATERCOURSE CROSSING NO.1	
B	04.10.19	M.B.	J.S.	PLAN INCLUDED	M. BROWNE		26/07/2019		PAPER SIZE	
A	26.07.19	M.B.	J.S.	DRAFT ISSUE - FOR DISCUSSION	CHECKED AND APPROVED		DATE		A3	
					J. SHANAHAN		26/07/2019		SCALE	
									AS SHOWN	
									STATUS	
									INFORMATION	
									DRAWING NUMBER	
									0511-55	
									REVISION	
									D	

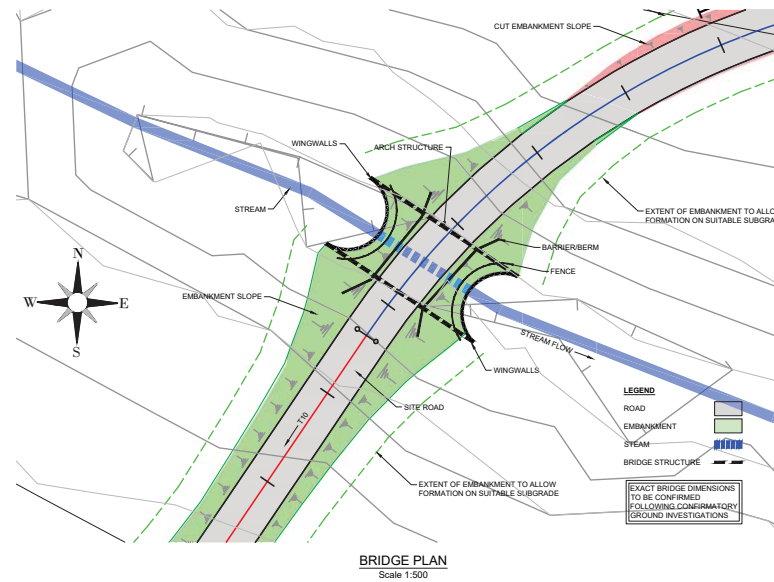
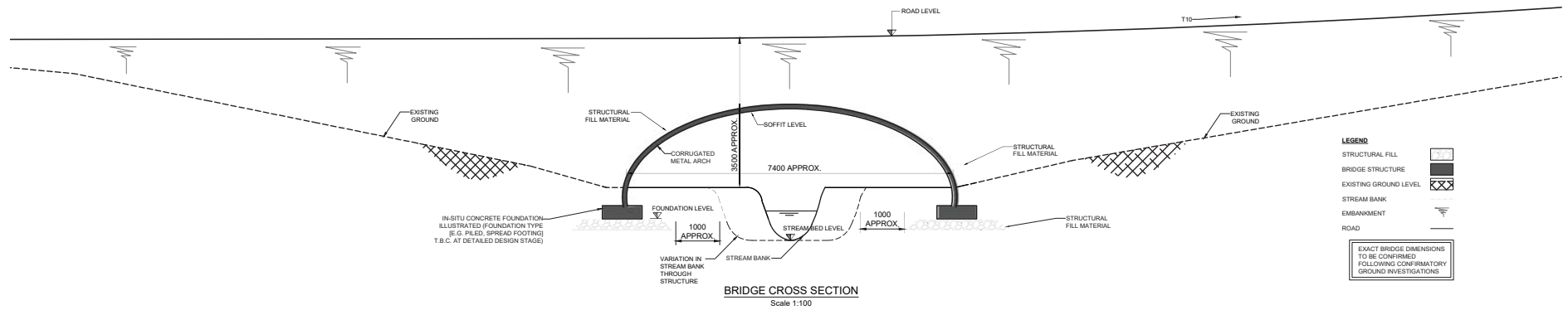



Figure 4.39

NOTES					<div><div>ENGINEER</div><div><div>The Hyde Building, The Park, Carrickmines, Dublin 18, D18VC44, Ireland E: <a href="mailto:hello@ionicconsulting.ie">hello@ionicconsulting.ie</a> T: +353 (0) 1 845 5031 W: <a href="http://www.ionicconsulting.ie">www.ionicconsulting.ie</a> <i>Formerly known as WIND PROSPECT IRELAND</i></div></div></div> <div><div>CLIENT</div><div></div></div>					<div><div>PROJECT</div><div>CROAGH WIND FARM</div></div>				
					<div><div><div>DRAWN BY</div><div>M. BROWNE</div></div><div><div>CHECKED AND APPROVED</div><div>J. SHANAHAN</div></div></div> <div><div>DATE</div><div>01/10/2019</div></div> <div><div>PAPER SIZE</div><div>A3</div></div> <div><div>SCALE</div><div>AS SHOWN</div></div>					<div><div><div>TITLE</div><div>PROPOSED NEW WATERCOURSE CROSSING NO.2</div></div><div><div>REVISION</div><div>C</div></div></div>				
					<div><div><div>DRAWING NUMBER</div><div>0511-56</div></div><div><div>PROJECT LOCATION</div><div>CROAGH WIND FARM, CARRICKMINES, DUBLIN 18, IRELAND</div></div></div>									
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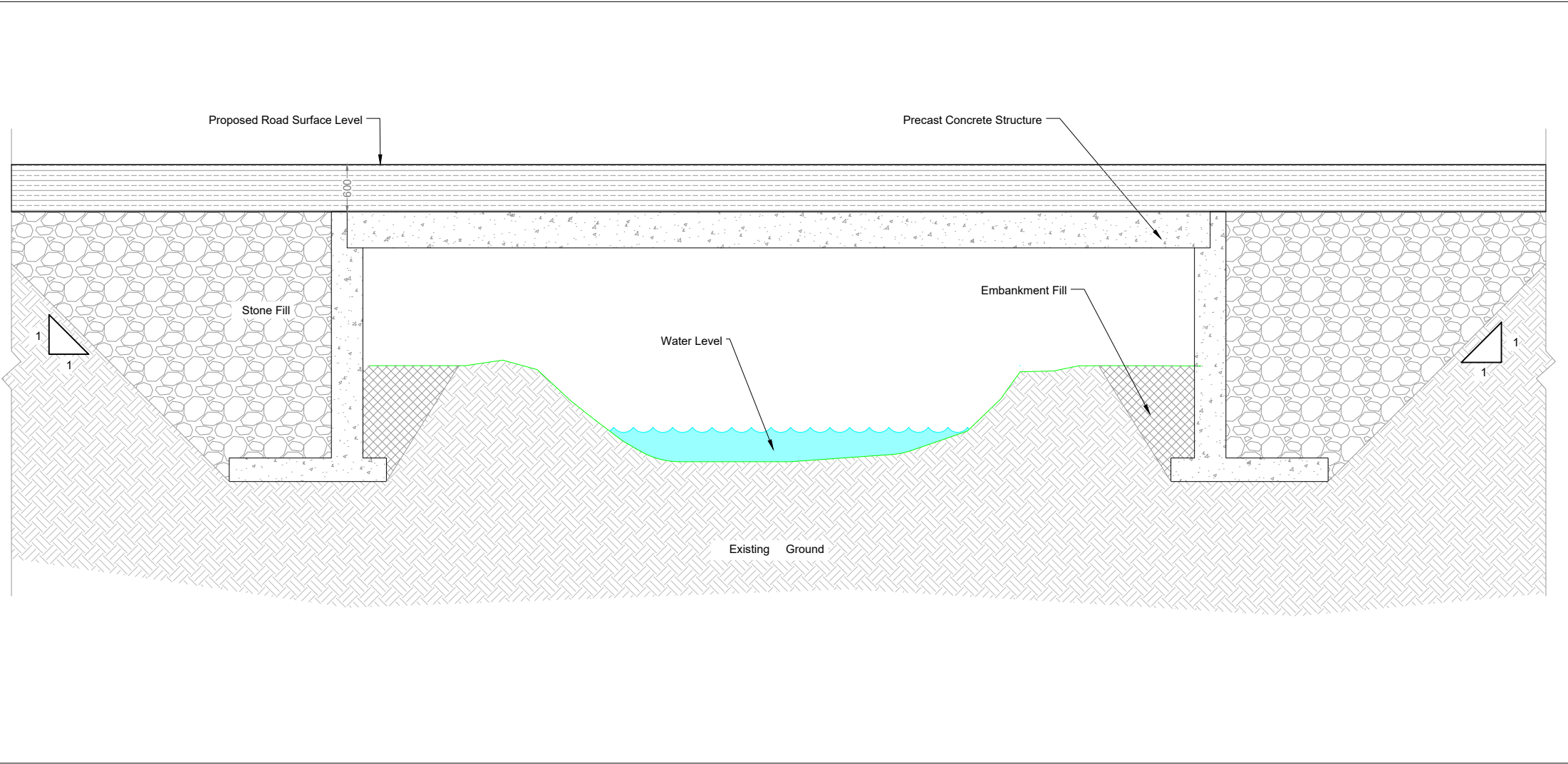


Figure 4-40

DRAWING TITLE: <b>Typical Pre-cast Concrete Clearspan Watercourse Crossing</b>	
PROJECT TITLE: <b>Croagh Wind Farm, Co. Leitrim/ Co. Sligo</b>	
DRAWING BY: <b>Joseph O'Brien</b>	CHECKED BY: <b>Michael Watson</b>
PROJECT NO: <b>180511</b>	DRAWING NO.: <b>180511 - 57</b>
SCALE: <b>1:50 @ A3</b>	DATE: <b>03.07.2020</b>



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