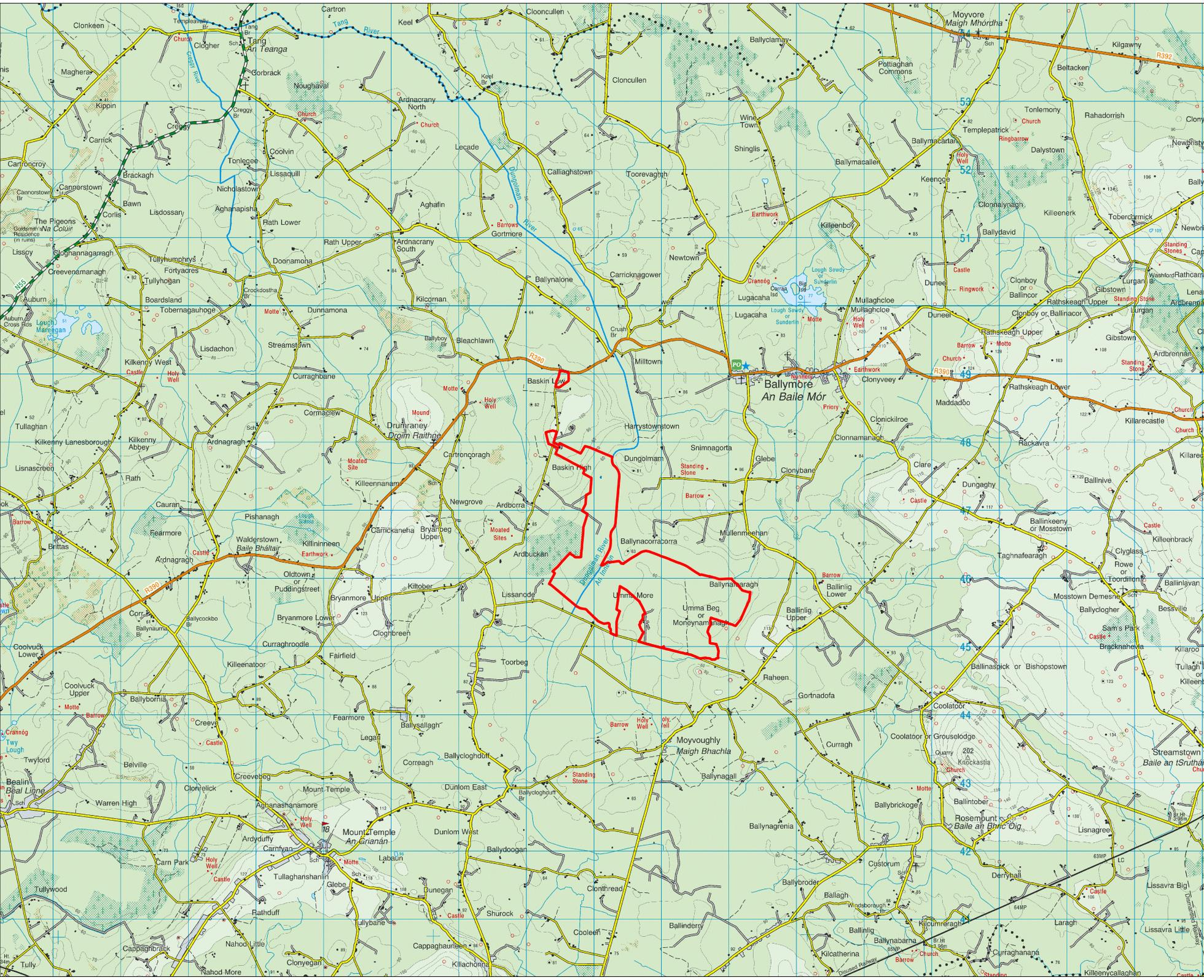




## APPENDIX 6

**DETAILED DESIGN DRAWINGS**



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  7. Layout plans show Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

— Planning Application Boundary

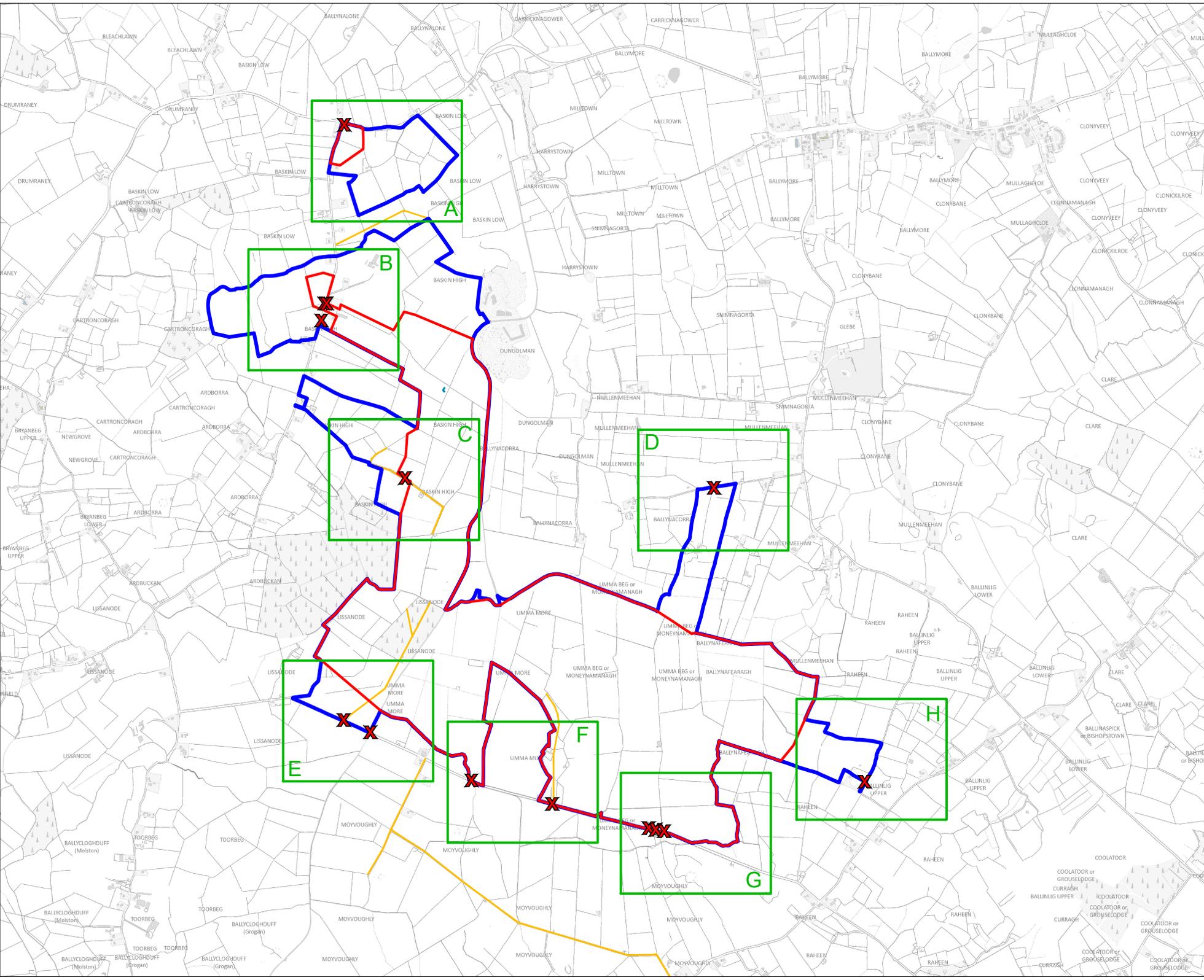
**Location Context Map**

PROJECT TITLE		PROJECT NO.	
Umma More Renewable Energy Development, Co. Westmeath		201050	
DRAWING BY	CHECKED BY	DRAWING NO.	DATE
Joseph O'Brien	Ellen Costello	201050 - 01	06.03.2023
SCALE		DATE	
1:50,000 @ A3		06.03.2023	
JOB SHEET NO.		OS2024_OS2224	



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  7. Layout plans show Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Landowners Boundary
  - X Site Notice
  - Wayleave



**Site Location Map**

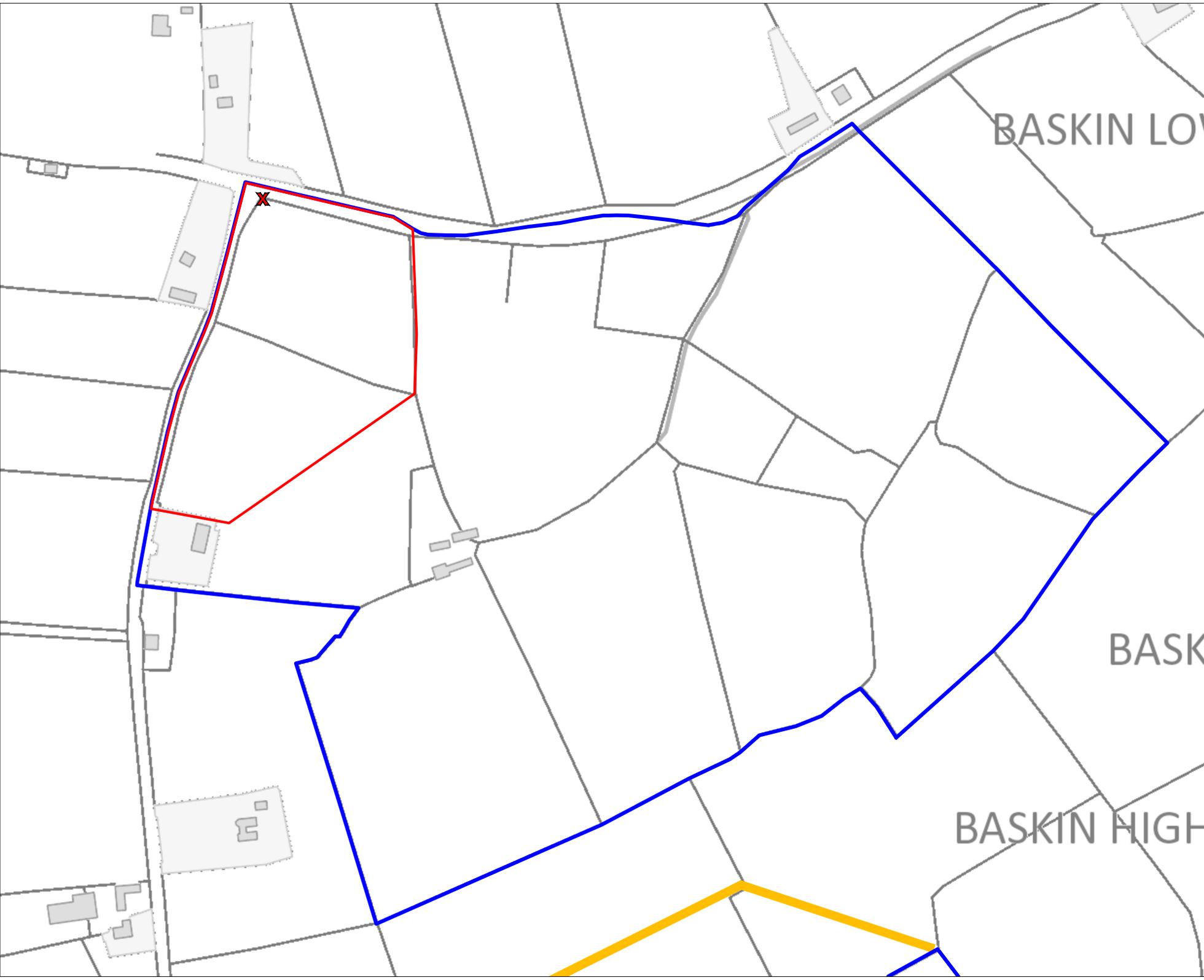
DRAWING TITLE

PROJECT TITLE: **Umma More Renewable Energy Development, Co. Westmeath**

DRAWING BY: <b>Joseph O'Brien</b>	CHECKED BY: <b>Ellen Costello</b>
PROJECT NO: <b>201050</b>	DRAWING NO: <b>201050 - 02</b>
SCALE: <b>1:20,000 @ A3</b>	DATE: <b>06.03.2023</b>
JOB SHEET NO: <b>2900, 2901, 2969, 2970</b>	

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8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

- Planning Application Boundary
- Landowners Boundary
- X Site Notice
- Wayleave

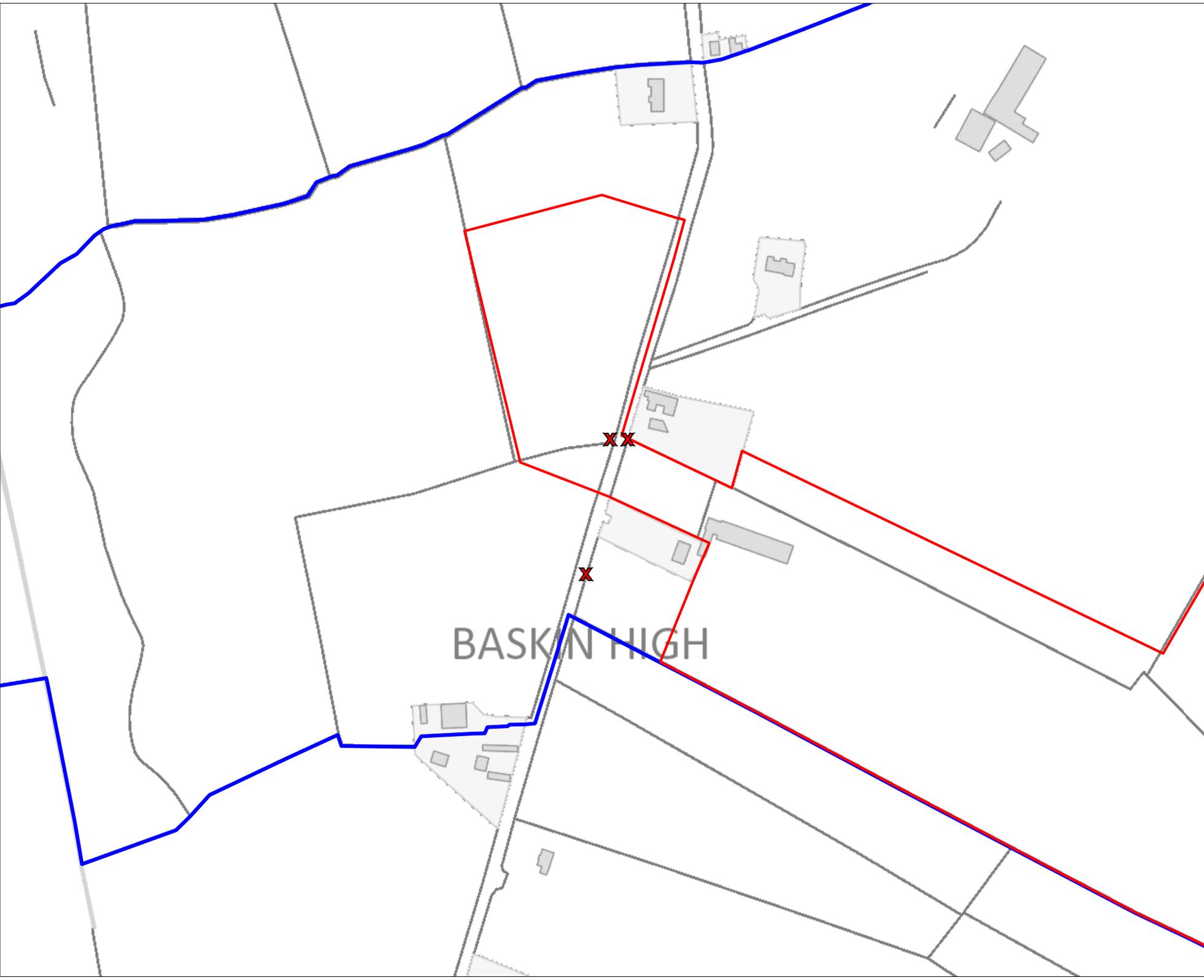


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<b>Site Location Map Sheet A</b>	
PROJECT TITLE: <b>Umma More Renewable Energy Development, Co. Westmeath</b>	
DRAWING BY: <b>Joseph O'Brien</b>	CHECKED BY: <b>Ellen Costello</b>
PROJECT NO: <b>201050</b>	DRAWING NO: <b>201050 - 02A</b>
SCALE: <b>1:2,500 @ A3</b>	DATE: <b>06.03.2023</b>
JOB SHEET NO: <b>2900, 2901, 2969, 2970</b>	



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7. Layout plans show Turbine rotor diameter as per turbine drawings.
8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

- Planning Application Boundary
- Landowners Boundary
- X Site Notice

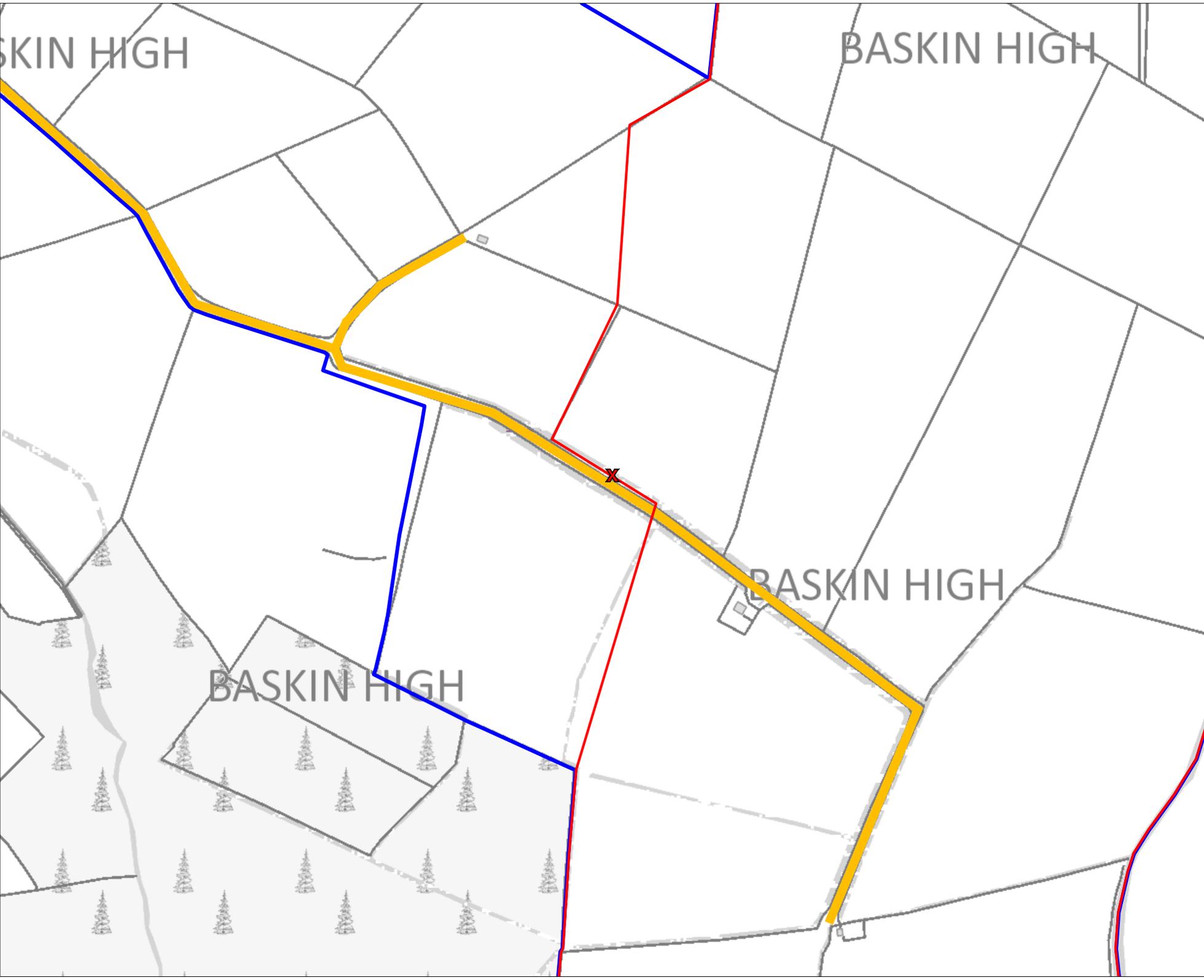


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<b>DRAWING TITLE</b>	
<b>Site Location Map Sheet B</b>	
<b>PROJECT TITLE</b>	
<b>Umma More Renewable Energy Development, Co. Westmeath</b>	
<b>DRAWING BY</b>	<b>CHECKED BY</b>
Joseph O'Brien	Ellen Costello
<b>PROJECT NO.</b>	<b>DRAWING NO.</b>
201050	201050 - 02B
<b>SCALE</b>	<b>DATE</b>
1:2,500 @ A3	06.03.2023
<b>JOB SHEET NO.</b>	
2900, 2901, 2969, 2970	



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7. Layout plans show Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

- Planning Application Boundary
- Landowners Boundary
- X Site Notice
- Wayleave



<b>DRAWING TITLE</b>	
<b>Site Location Map Sheet C</b>	
<b>PROJECT TITLE</b>	
<b>Umma More Renewable Energy Development, Co. Westmeath</b>	
<b>DRAWING BY</b>	<b>CHECKED BY</b>
Joseph O'Brien	Ellen Costello
<b>PROJECT No.</b>	<b>DRAWING No.</b>
201050	201050 - 02C
<b>SCALE</b>	<b>DATE</b>
1:2,500 @ A3	06.03.2023
<b>JOB SHEET No.</b>	
2900, 2901, 2969, 2970	

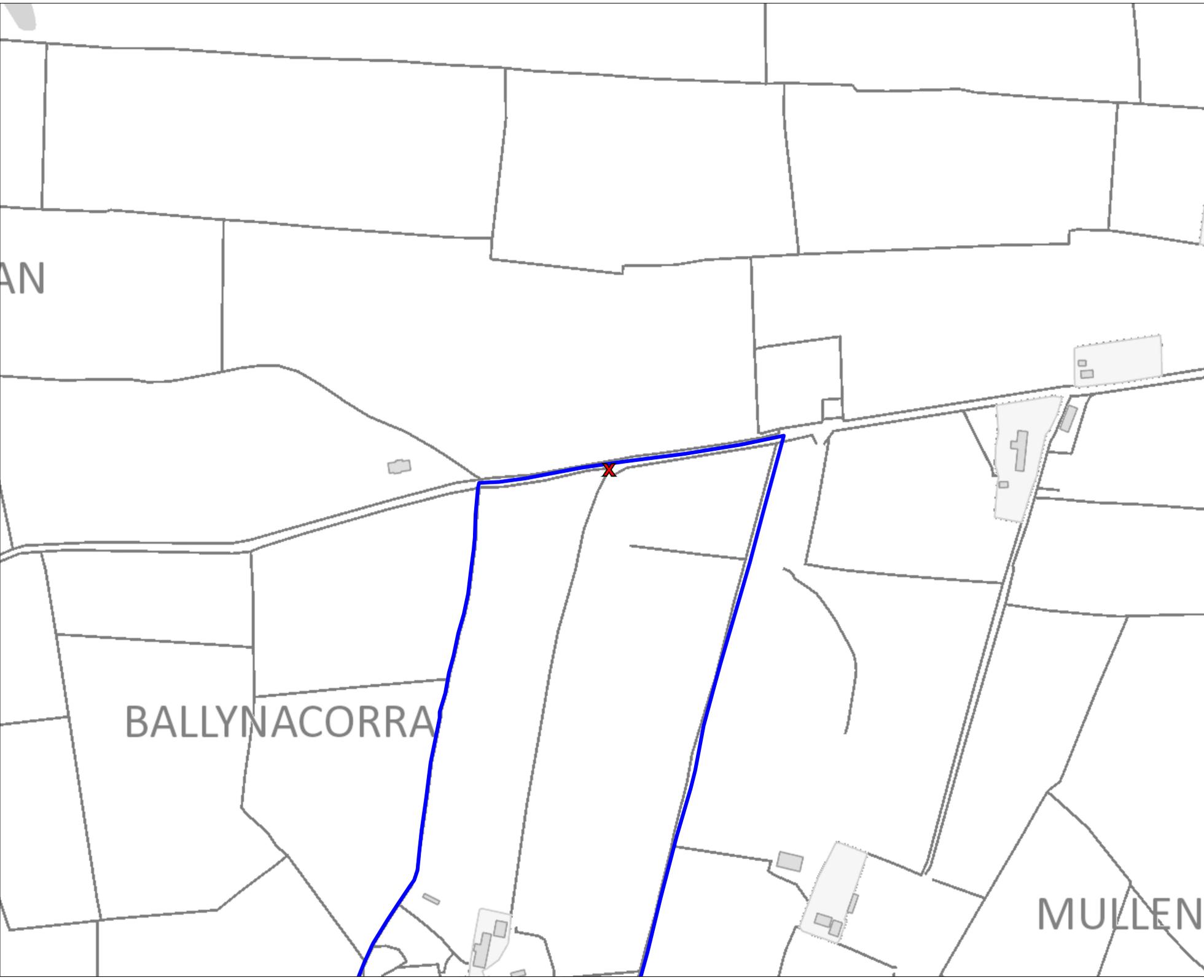


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8. Final levels may vary depending on local ground conditions.



**Drawing Legend**

-  Landowners Boundary
-  Site Notice



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<b>Site Location Map Sheet D</b>	
PROJECT TITLE: <b>Umma More Renewable Energy Development, Co. Westmeath</b>	
DRAWING BY: <b>Joseph O'Brien</b>	CHECKED BY: <b>Ellen Costello</b>
PROJECT NO: <b>201050</b>	DRAWING NO: <b>201050 - 02D</b>
SCALE: <b>1:2,500 @ A3</b>	DATE: <b>06.03.2023</b>
JOB SHEET NO.: <b>2900, 2901, 2969, 2970</b>	



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NODE

UMMA  
MORE  
UMMA  
MORE

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  8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

-  Planning Application Boundary
-  Landowners Boundary
-  Site Notice
-  Wayleave

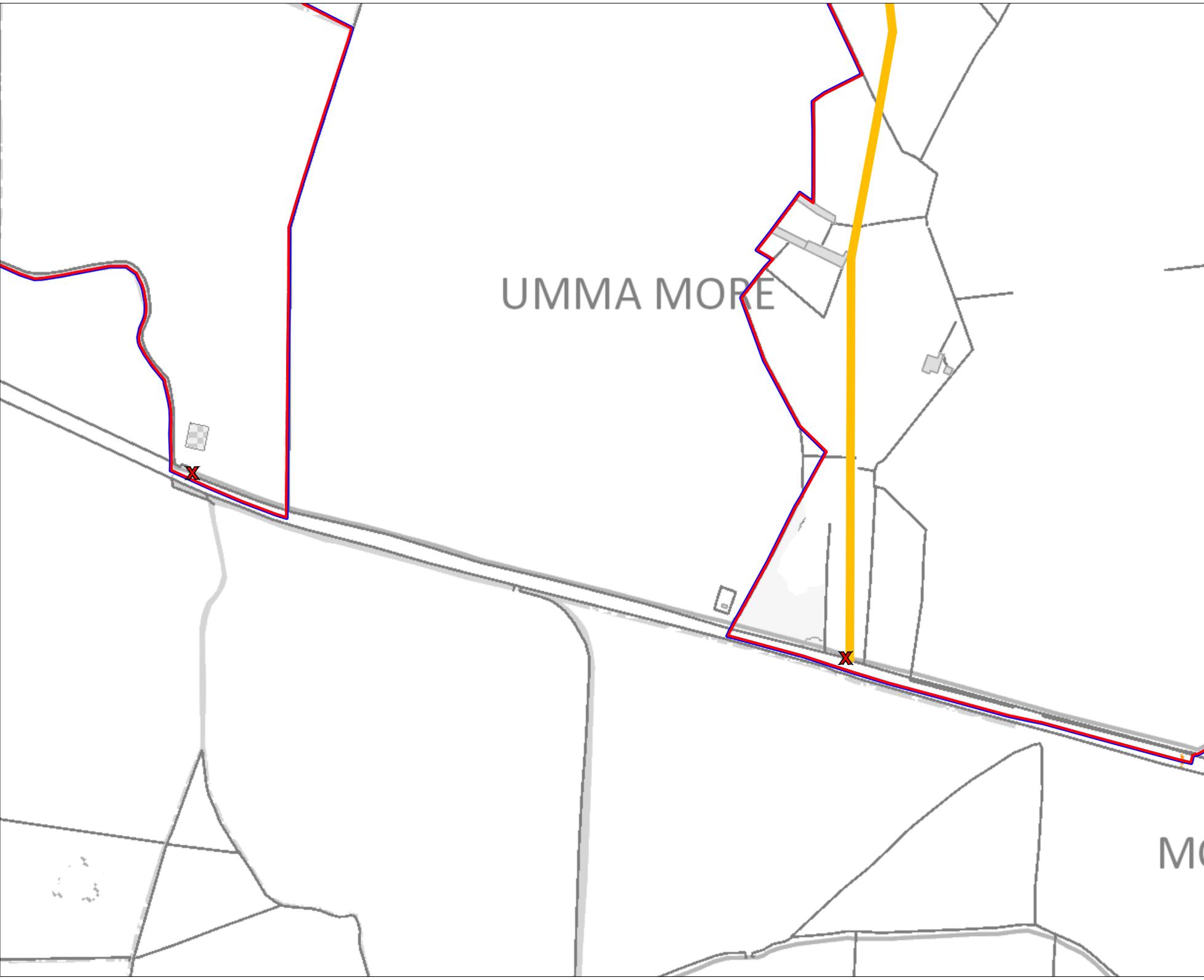


<b>DRAWING TITLE</b>	
<b>Site Location Map Sheet E</b>	
<b>PROJECT TITLE</b>	
<b>Umma More Renewable Energy Development, Co. Westmeath</b>	
<b>DRAWING BY</b>	<b>CHECKED BY</b>
Joseph O'Brien	Ellen Costello
<b>PROJECT NO.</b>	<b>DRAWING NO.</b>
201050	201050 - 02E
<b>SCALE</b>	<b>DATE</b>
1:2,500 @ A3	06.03.2023
<b>JOB SHEET NO.</b>	
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7. Layout plans show Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

- Planning Application Boundary
- Landowners Boundary
- X Site Notice
- Wayleave



<b>Site Location Map Sheet F</b>	
PROJECT TITLE: <b>Umma More Renewable Energy Development, Co. Westmeath</b>	
DRAWING BY: <b>Joseph O'Brien</b>	CHECKED BY: <b>Ellen Costello</b>
PROJECT NO: <b>201050</b>	DRAWING NO: <b>201050 - 02F</b>
SCALE: <b>1:2,500 @ A3</b>	DATE: <b>06.03.2023</b>
JOB SHEET NO.: <b>2900, 2901, 2969, 2970</b>	
	<b>MKO</b> Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VW84 +353 (0)91 725641 email: info@www.mkofireland.ie Website: www.mkofireland.ie



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8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

- Planning Application Boundary
- Landowners Boundary
- X Site Notice

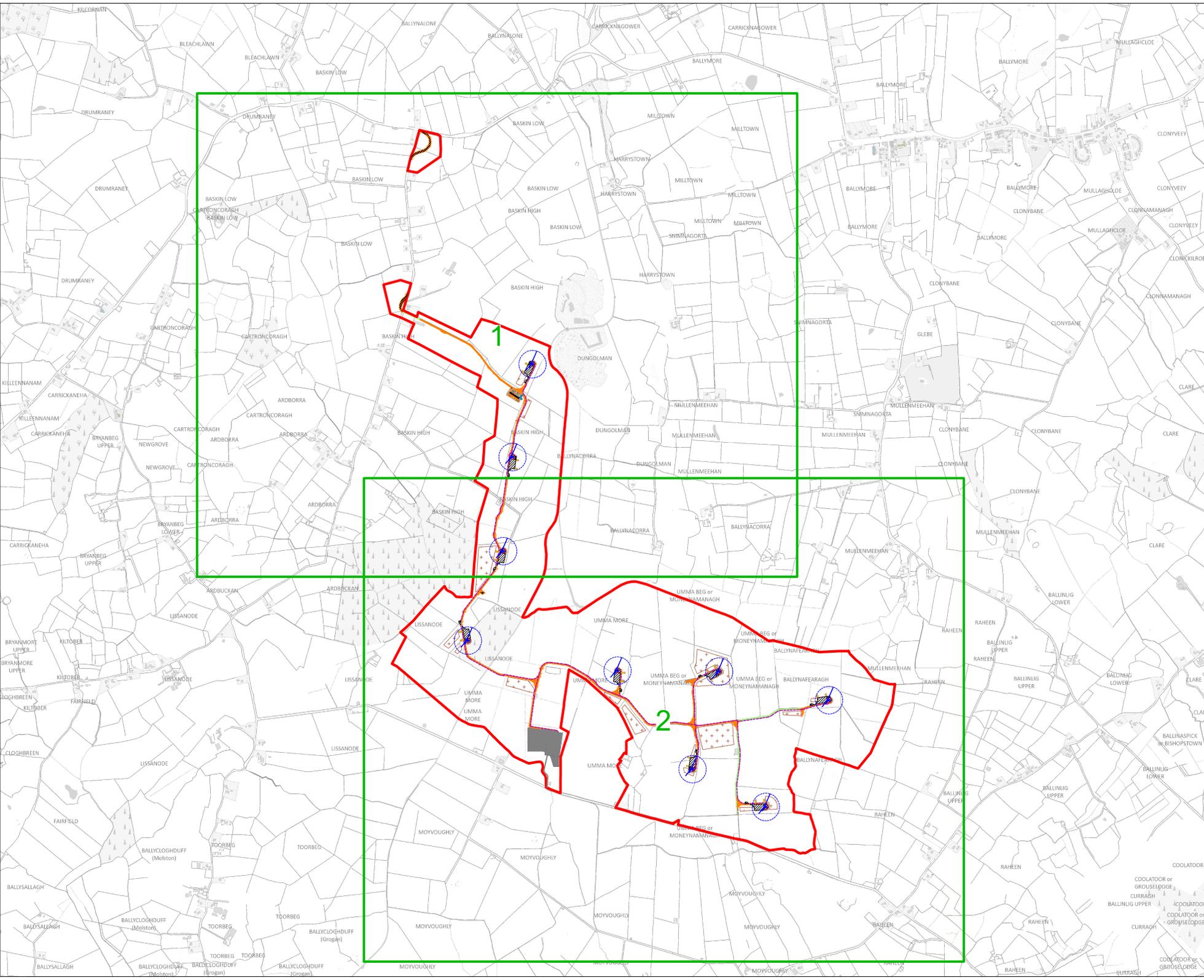


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<b>Site Location Map Sheet G</b>	
PROJECT TITLE: <b>Umma More Renewable Energy Development, Co. Westmeath</b>	
DRAWING BY: <b>Joseph O'Brien</b>	CHECKED BY: <b>Ellen Costello</b>
PROJECT No: <b>201050</b>	DRAWING No: <b>201050 - 02G</b>
SCALE: <b>1:2,500 @ A3</b>	DATE: <b>06.03.2023</b>
JOB SHEET No: <b>2900, 2901, 2969, 2970</b>	



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  7. Layout plans show Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Existing Road to be Upgraded
  - Proposed New Road
  - Temporary New Road (to facilitate delivery of abnormal loads)
  - Internal Electrical Cabling Trench
  - Assembly Areas
  - Crane Pad Hardstanding Area
  - Turbine Foundation
  - Proposed Max. Turbine Sweep Area
  - Spill Management Areas (refer to Section 4.3.3.2 of Chapter 4 of EIA/R)
  - Cut
  - Fill



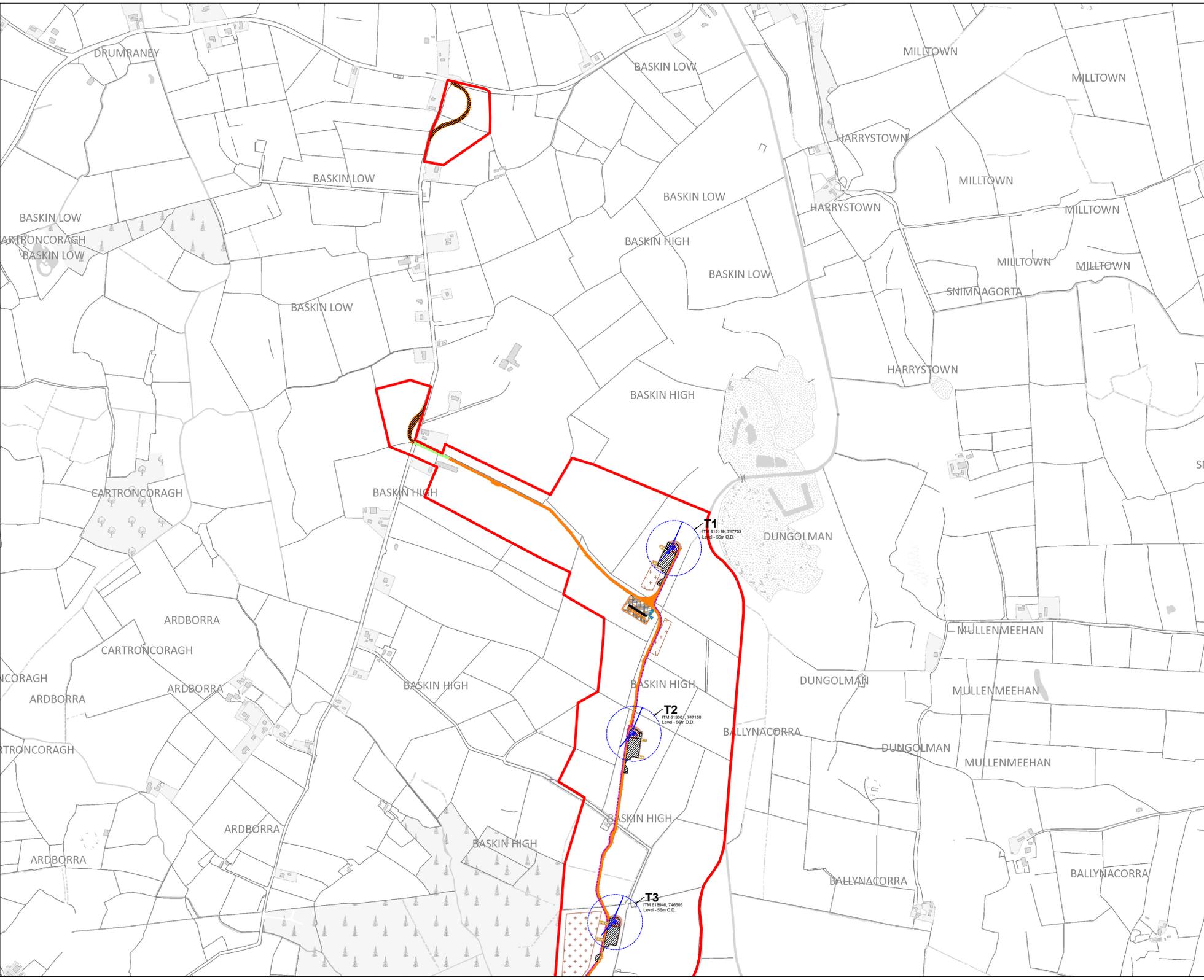
**DRAWING TITLE**  
**Site Layout Key Plan (1:5,000)**

**PROJECT TITLE**  
**Umma More Renewable Energy Development, Co. Westmeath**

**DRAWING BY** Joseph O'Brien      **CHECKED BY** Ellen Costello  
**PROJECT NO.** 201050      **DRAWING NO.** 201050 - 03  
**SCALE:** 1:10,000 @ A1      **DATE:** 06.03.2023  
**DWG SHEET NO.:** 2900, 2901, 2969, 2970

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  7. Layout plans show Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

- Planning Application Boundary
- Existing Road to be Upgraded
- Proposed New Road
- Temporary New Road (to facilitate delivery of abnormal loads)
- Internal Electrical Cabling Trench
- Assembly Areas
- Crane Pad Hardstanding Area
- Turbine Foundation
- Proposed Max. Turbine Sweep Area
- + Spoil Management Areas (refer to Section 4.3.3.2 of Chapter 4 of EIA/R)
- Cut
- Fill



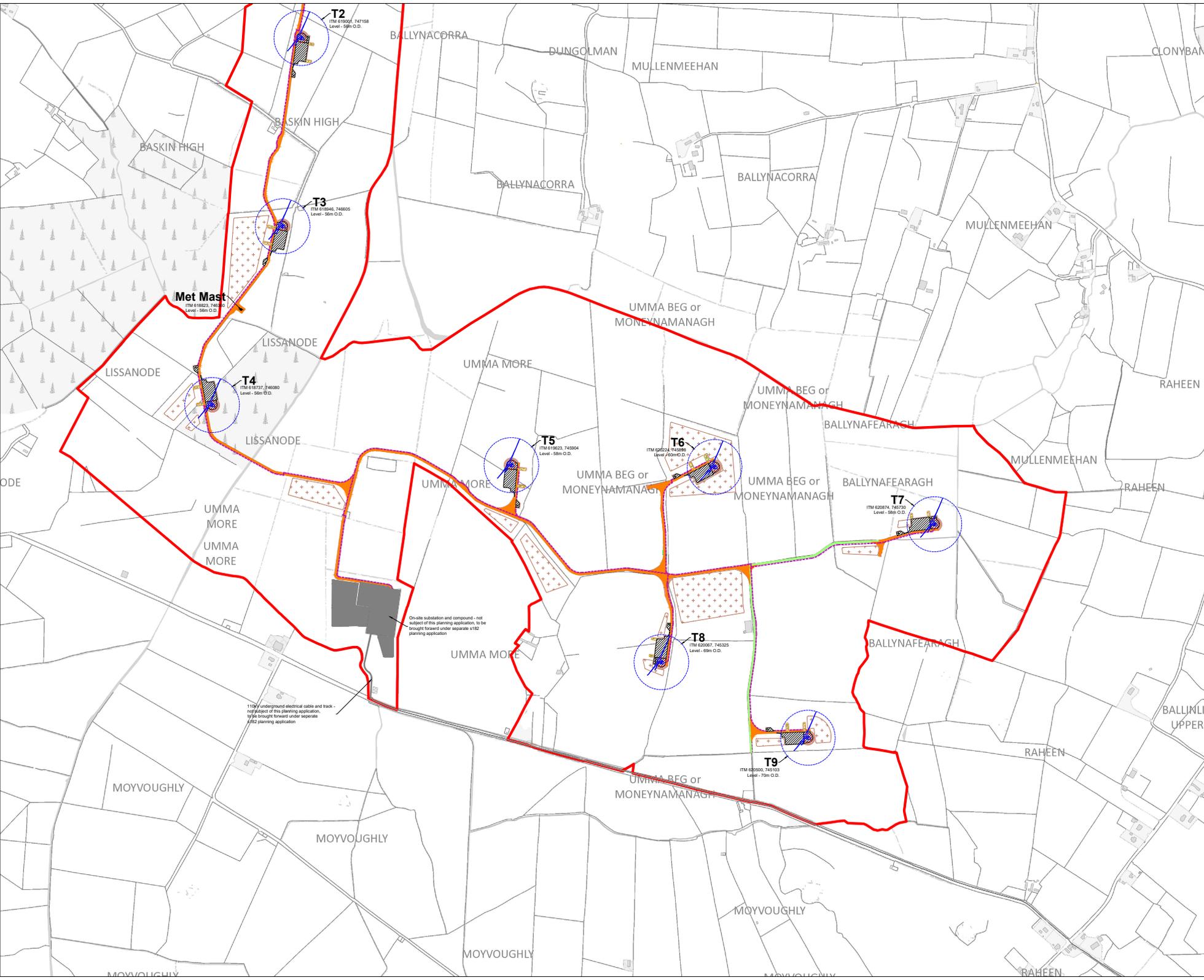
**DRAWING TITLE**  
**Site Layout 1:5,000**  
**Sheet 1 of 2**

**PROJECT TITLE**  
**Umma More Renewable Energy**  
**Development, Co. Westmeath**

**DRAWING BY:** Joseph O'Brien      **CREATED BY:** Ellen Costello  
**PROJECT NO.:** 201050      **DRAWING NO.:** 201050 - 04  
**SCALE:** 1:5,000 @ A1      **DATE:** 06.03.2023  
**TOR SHEET NO.:** 2900, 2901, 2969, 2970

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  7. Layout plans show Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

- Drawing Legend**
- Planning Application Boundary
  - Existing Road to be Upgraded
  - Proposed New Road
  - Internal Electrical Cabling Trench
  - Assembly Areas
  - Crane Pad Hardstanding Area
  - Turbine Foundation
  - Proposed Max. Turbine Sweep Area
  - Spill Management Areas (refer to Section 4.3.3.2 of Chapter 4 of EIA/R)
  - Cut
  - Fill



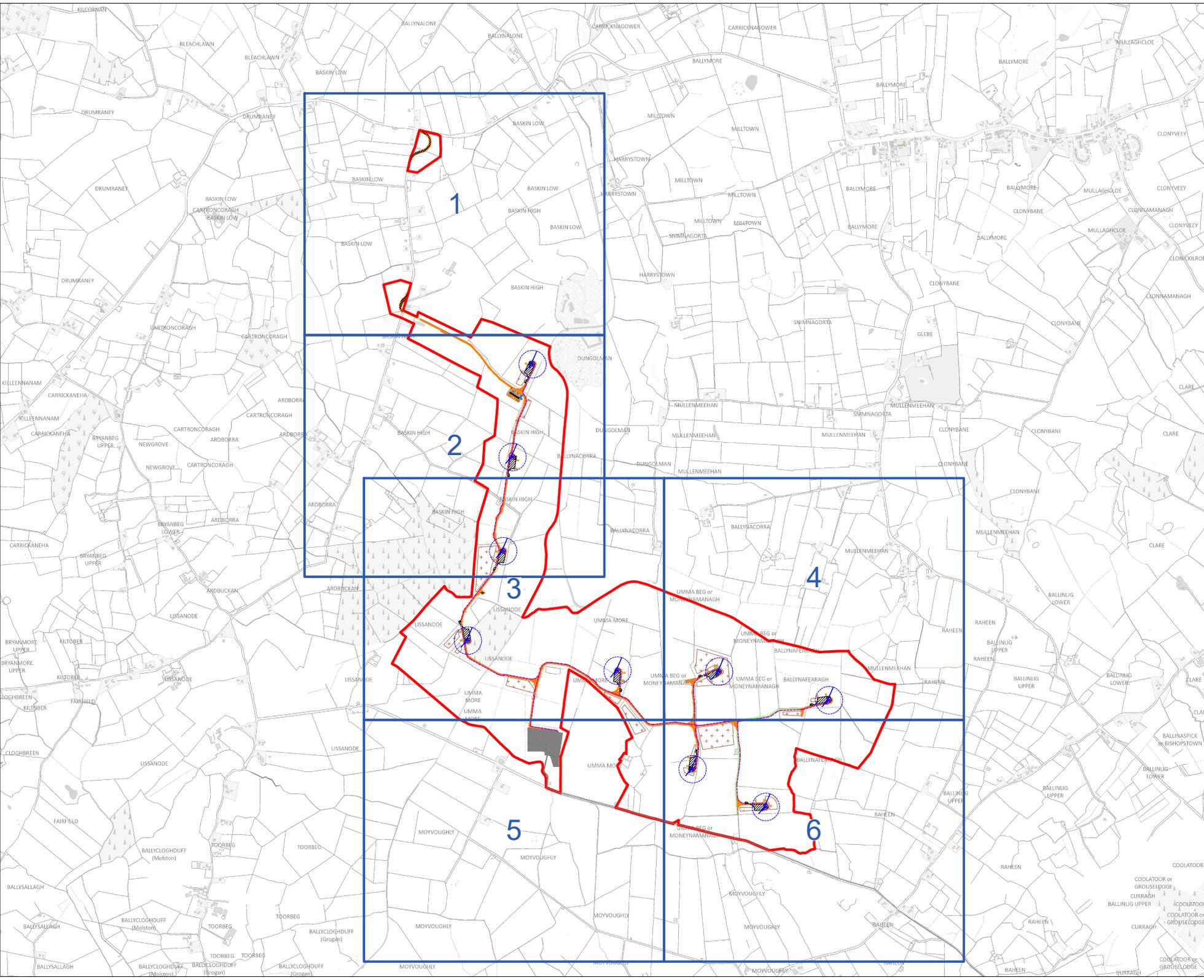
**Site Layout 1:5,000  
Sheet 2 of 2**

**Umma More Renewable Energy Development, Co. Westmeath**

DRAWING BY: **Joseph O'Brien** CHECKED BY: **Ellen Costello**  
 PROJECT NO: **201050** DRAWING NO: **201050 - 05**  
 SCALE: **1:5,000 @ A1** DATE: **06.03.2023**  
 JOB SHEET NO.: 2900, 2901, 2969, 2970

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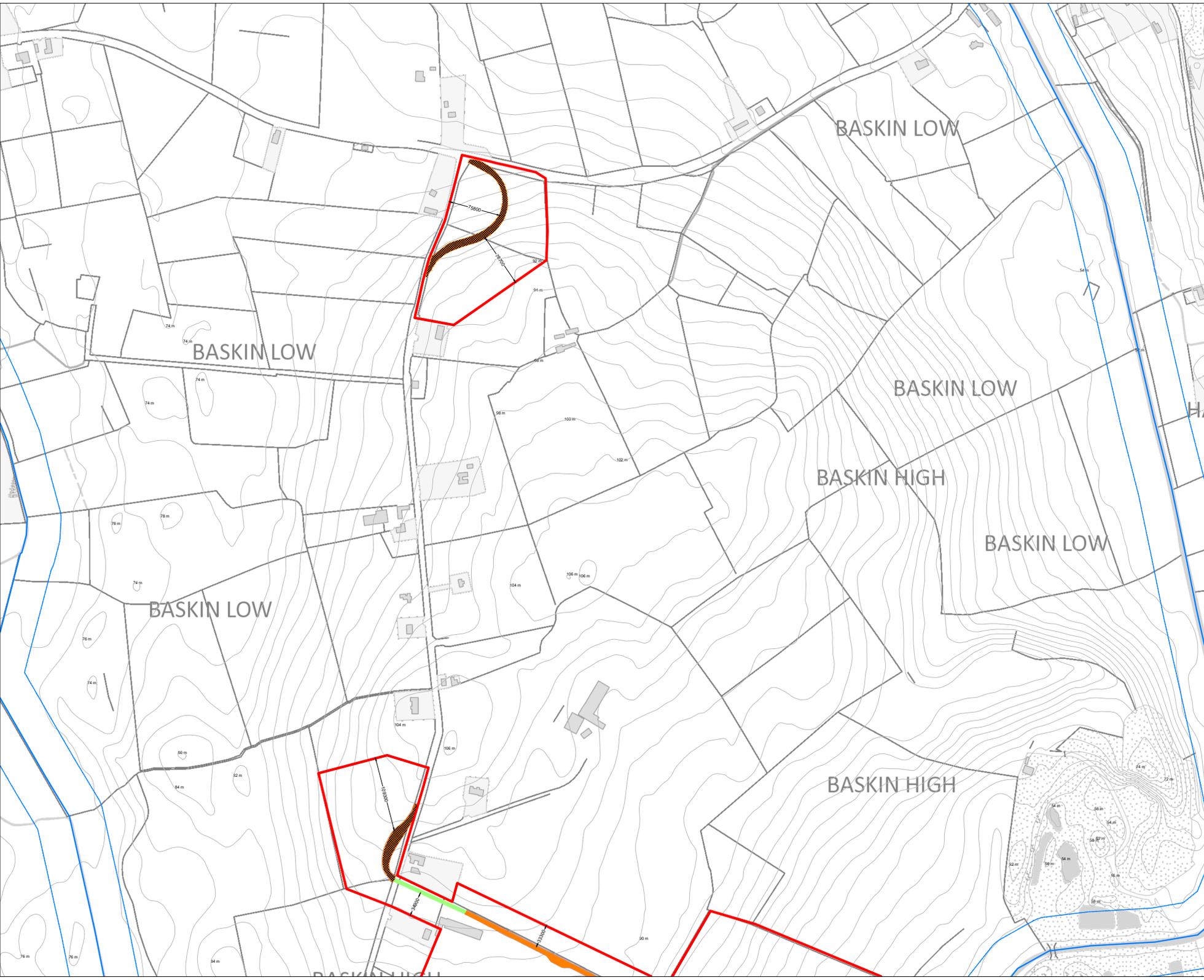
- Drawing Legend**
- Planning Application Boundary
  - Existing Road to be Upgraded
  - Proposed New Road
  - Temporary New Road (to facilitate delivery of abnormal loads)
  - Internal Electrical Cabling Trench
  - Assembly Areas
  - Crane Pad Hardstanding Area
  - Turbine Foundation
  - Proposed Max. Turbine Sweep Area
  - Spill Management Areas (refer to Section 4.3.3.2 of Chapter 4 of EIA/R)
  - Cut
  - Fill



<b>DRAWING TITLE</b>	
<b>Site Layout Key Plan (1:2,500)</b>	
<b>PROJECT TITLE</b>	
<b>Umma More Renewable Energy Development, Co. Westmeath</b>	
<b>DRAWING BY</b>	<b>CHECKED BY</b>
Joseph O'Brien	Ellen Costello
<b>PROJECT NO.</b>	<b>DRAWING NO.</b>
201050	201050 - 06
<b>SCALE</b>	<b>DATE</b>
1:110,000 @ A1	06.03.2023
<b>DWG SHEET NO.</b>	<b>DATE</b>
2900, 2901, 2969, 2970	

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  7. Layout plans show Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

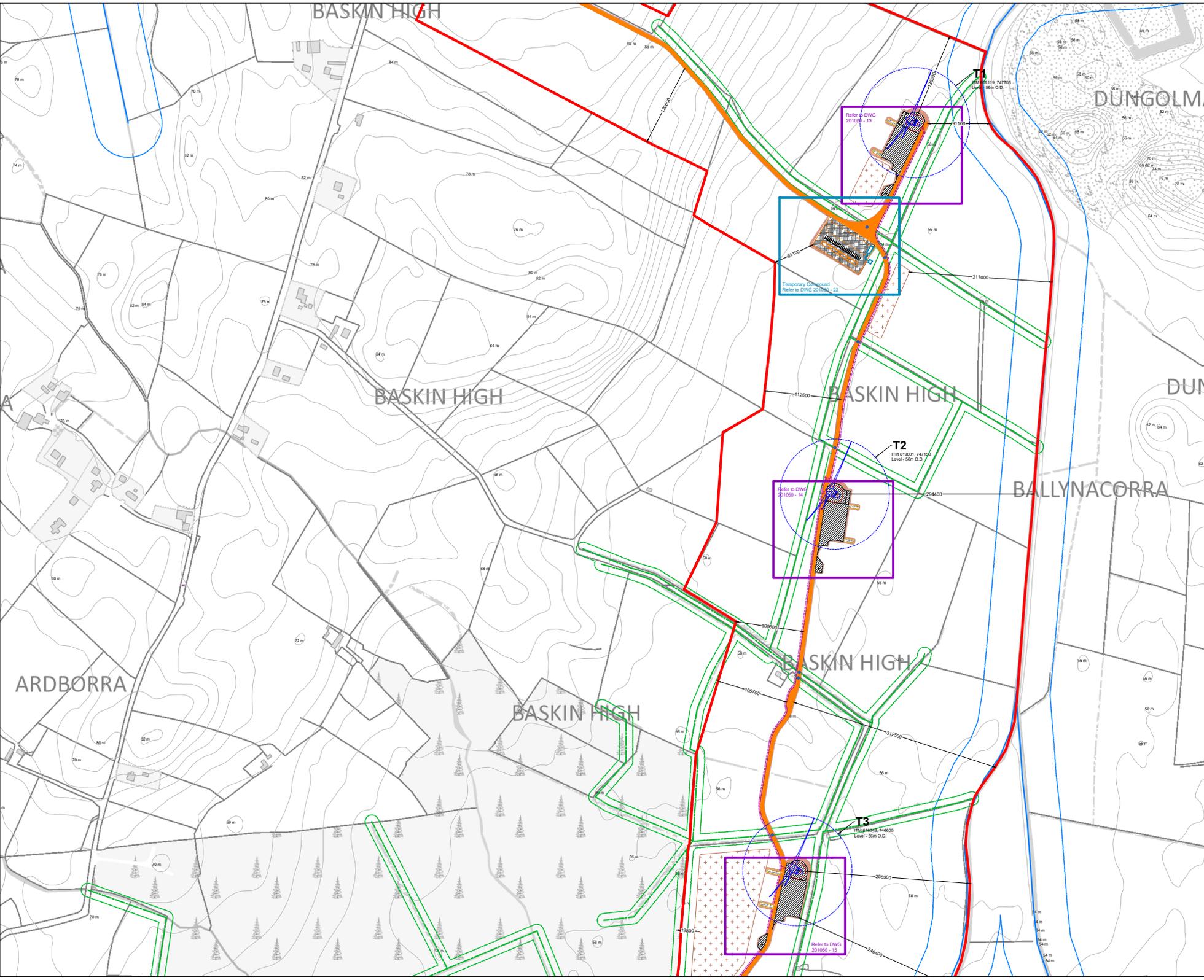
- Planning Application Boundary
- Existing Road to be Upgraded
- Proposed New Road
- Temporary New Road (to facilitate delivery of abnormal loads)
- Watercourse
- Watercourse 50m Buffer
- Cut
- Fill

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<b>DRAWING TITLE</b>	
<b>Site Layout 1:2,500 Sheet 1 of 6</b>	
<b>PROJECT TITLE</b>	
<b>Umma More Renewable Energy Development, Co. Westmeath</b>	
<b>DRAWING BY</b>	<b>CHECKED BY</b>
Joseph O'Brien	Ellen Costello
<b>PROJECT No.</b>	<b>DRAWING No.</b>
201050	201050 - 07
<b>SCALE</b>	<b>DATE</b>
1:2,500 @ A1	06.03.2023
<b>JOB SHEET No.</b>	
2900, 2901, 2969, 2970	

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  7. Layout plans show Turbine rotor diameter as per turbine drawing.
  8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

- Planning Application Boundary
- Proposed New Road
- Internal Electrical Cabling Trench
- Crane Pad Hardstanding Area
- Turbine Foundation
- Proposed Max. Turbine Sweep Area
- Spoil Management Areas (refer to Section 4.3.3.2 of Chapter 4 of EIAR)
- ◆ Culvert Crossing (Refer to HES Drawings)
- Watercourse
- Watercourse 50m Buffer
- Drains
- Drain 10m Buffer
- Cut
- Fill

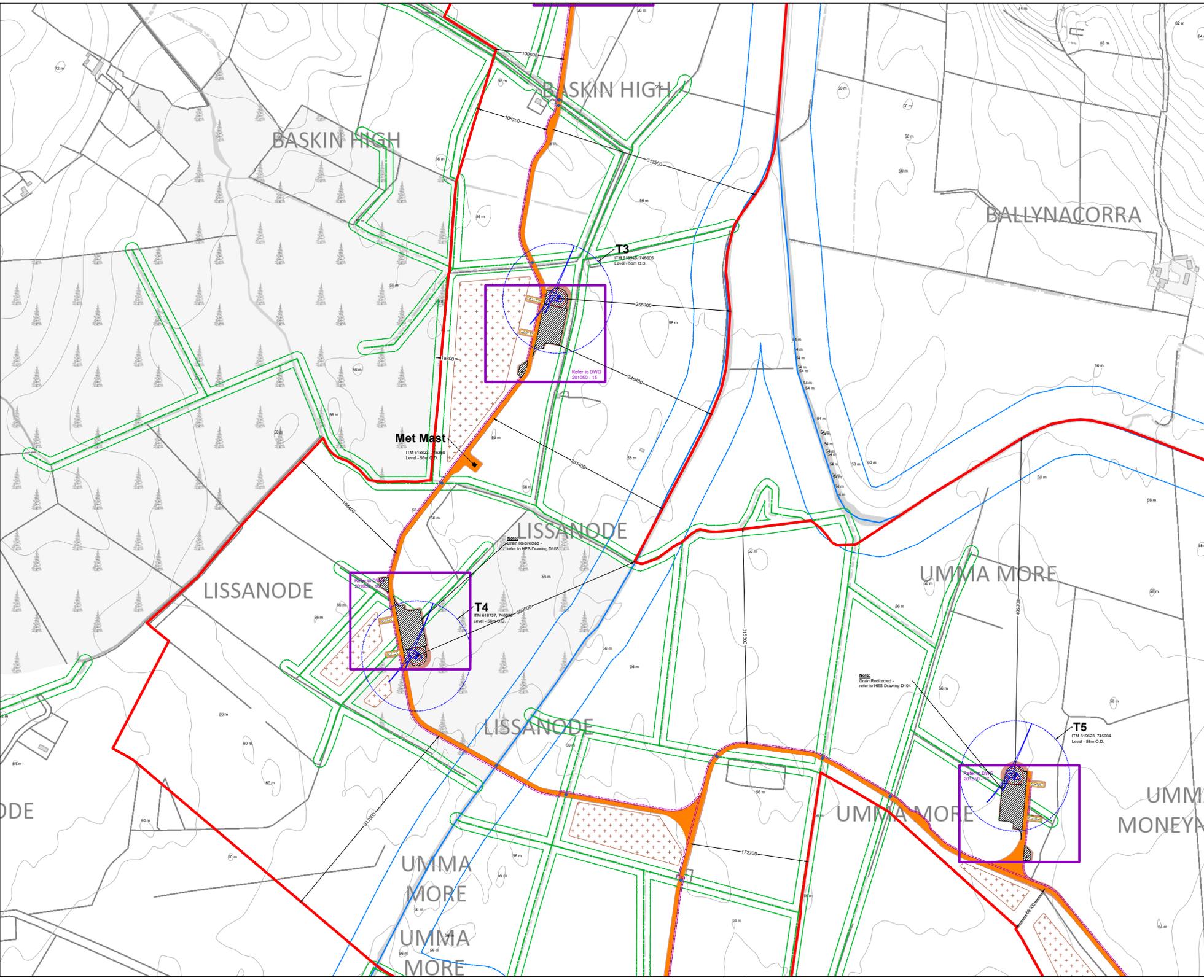
**DRAWING TITLE**  
**Site Layout 1:2,500**  
**Sheet 2 of 6**

**PROJECT TITLE**  
**Ulma More Renewable Energy Development, Co. Westmeath**

<b>DRAWING BY</b> Joseph O'Brien	<b>CREATED BY</b> Ellen Costello
<b>PROJECT NO.</b> 201050	<b>DRAWING NO.</b> 201050 - 08
<b>SCALE</b> 1:2,500 @ A1	<b>DATE</b> 06.03.2023
<b>JOB SHEET NO.</b> 2900, 2901, 2969, 2970	

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  8. Final levels may vary depending on local ground conditions.

**Drawing Legend**

- Planning Application Boundary
- Proposed New Road
- Internal Electrical Cabling Trench
- Assembly Areas
- Crane Pad Hardstanding Area
- Turbine Foundation
- Proposed Max. Turbine Sweep Area
- Spoil Management Areas (refer to Section 4.3.3.2 of Chapter 4 of EIAR)
- Culvert Crossing (Refer to HES Drawings)
- Watercourse
- Watercourse 50m Buffer
- Drains
- Drain 10m Buffer
- Cut
- Fill

**Site Layout 1:2,500  
Sheet 3 of 6**

PROJECT TITLE: Umma More Renewable Energy Development, Co. Westmeath

DRAWING BY: Joseph O'Brien      CHECKED BY: Ellen Costello

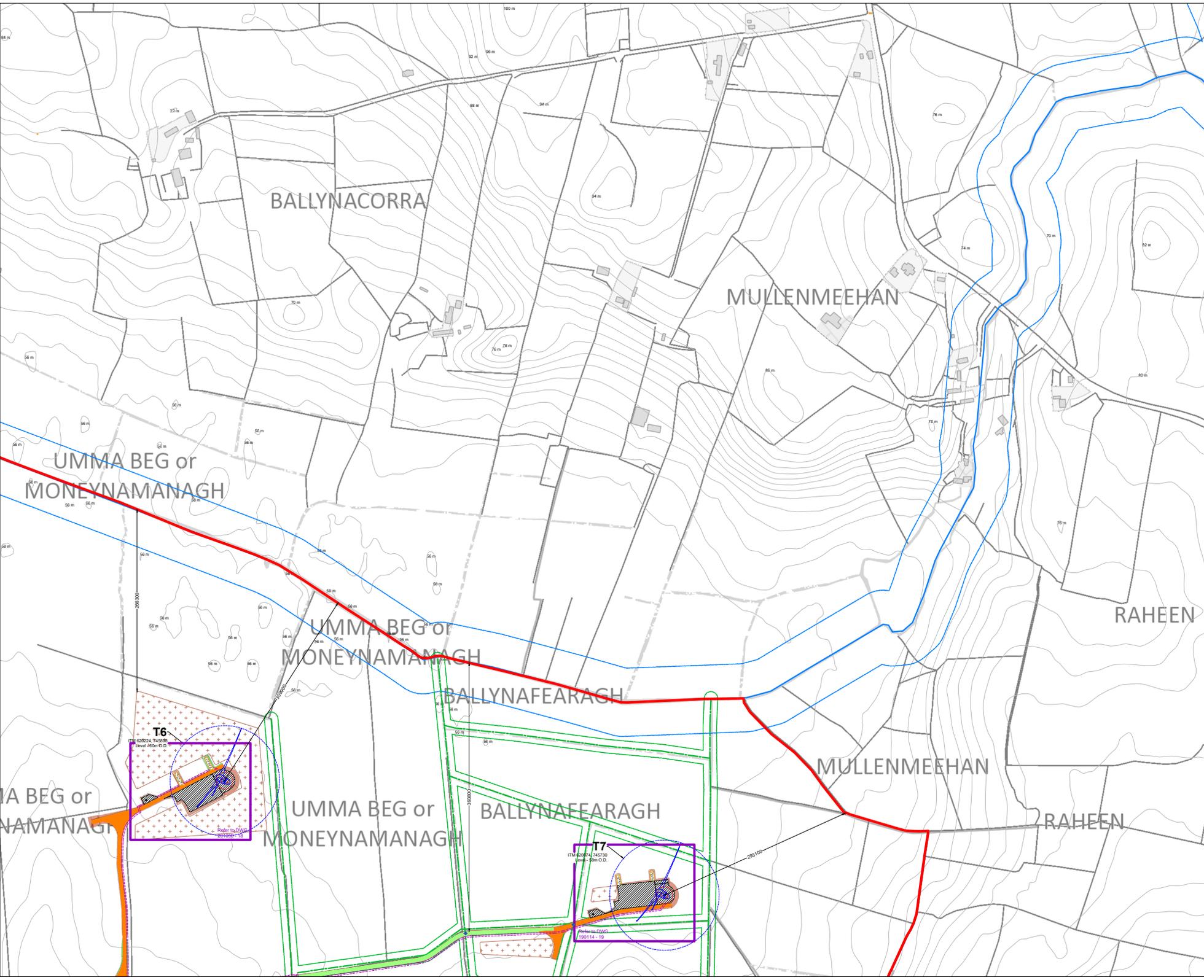
PROJECT NO: 201050      DRAWING NO: 201050 - 09

SCALE: 1:2,500 @ A1      DATE: 06.03.2023

DWG SHEET NO: 2900, 2901, 2969, 2970

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  8. Final levels may vary depending on local ground conditions.

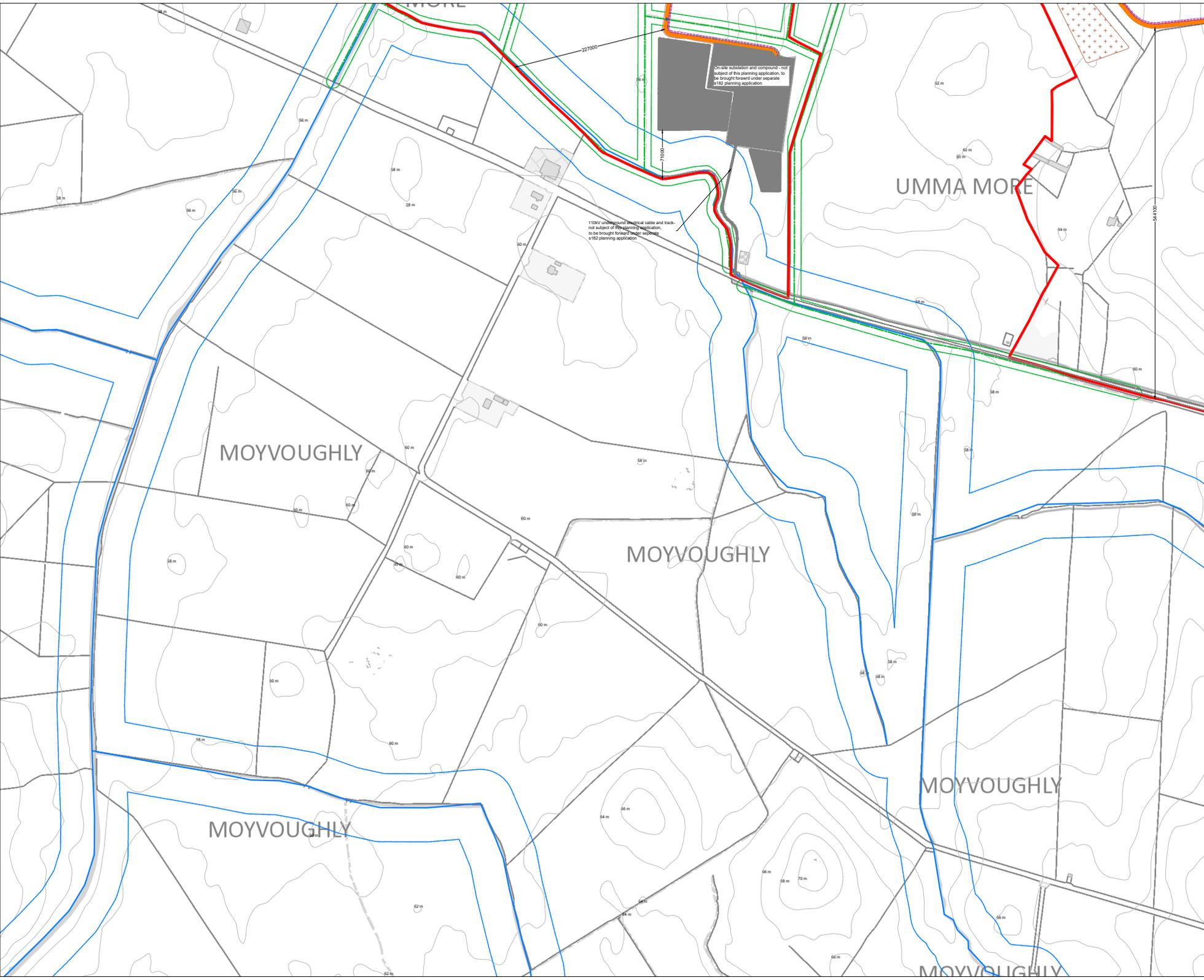
- Drawing Legend**
- Planning Application Boundary
  - Proposed New Road
  - Internal Electrical Cabling Trench
  - Assembly Areas
  - Crane Pad Hardstanding Area
  - Turbine Foundation
  - Proposed Max. Turbine Sweep Area
  - + Spoil Management Areas (refer to Section 4.3.3.2 of Chapter 4 of EIA/R)
  - + Culvert Crossing (Refer to HES Drawings)
  - Watercourse
  - Watercourse 50m Buffer
  - Drains
  - Drain 10m Buffer
  - Cut
  - Fill



DRAWING TITLE	
<b>Site Layout 1:2,500</b>	
<b>Sheet 4 of 6</b>	
PROJECT TITLE	
<b>Umma More Renewable Energy Development, Co. Westmeath</b>	
DRAWING BY	CHECKED BY
<b>Joseph O'Brien</b>	<b>Ellen Costello</b>
PROJECT NO.	DRAWING NO.
<b>201050</b>	<b>201050 - 10</b>
SCALE	DATE
<b>1:2,500 @ A1</b>	<b>06.03.2023</b>
JOB SHEET NO.	
2900, 2901, 2969, 2970	

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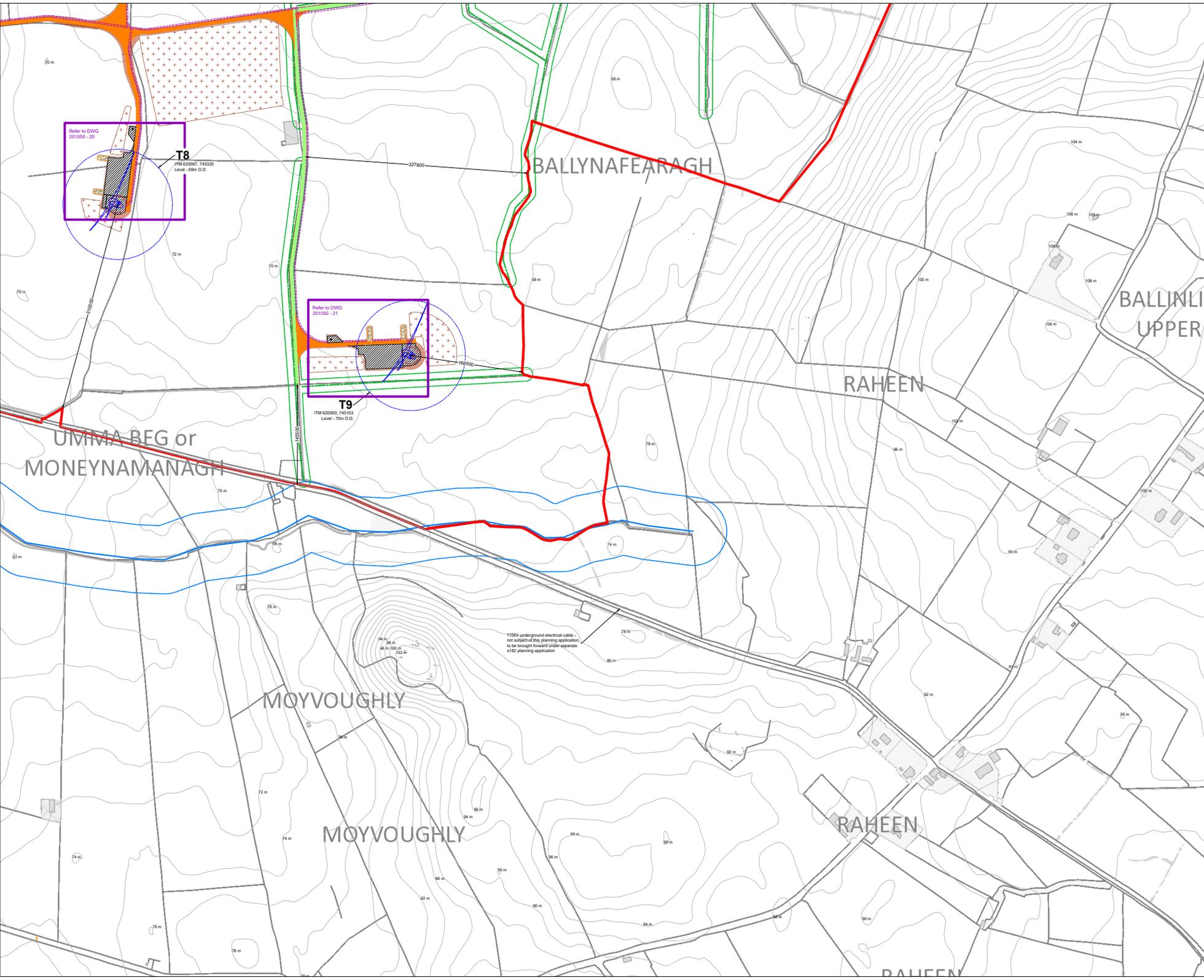
- Drawing Legend**
- Planning Application Boundary
  - Proposed New Road
  - Internal Electrical Cabling Trench
  - Spoil Management Areas (refer to Section 4.3.3.2 of Chapter 4 of EIAR)
  - ◆ Culvert Crossing (Refer to HES Drawings)
  - Watercourse
  - Watercourse 50m Buffer
  - Drains
  - Drain 10m Buffer
  - Cut
  - Fill



DRAWING TITLE	
<b>Site Layout 1:2,500 Sheet 5 of 6</b>	
PROJECT TITLE	
<b>Umma More Renewable Energy Development, Co. Westmeath</b>	
DRAWING BY	CHECKED BY
<b>Joseph O'Brien</b>	<b>Ellen Costello</b>
PROJECT No.	DRAWING No.
<b>201050</b>	<b>201050 - 11</b>
SCALE	DATE
<b>1:2,500 @ A1</b>	<b>06.03.2023</b>
JOB SHEET No.	
2900, 2901, 2969, 2970	

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**Drawing Legend**

- Planning Application Boundary
- Existing Road to be Upgraded
- Proposed New Road
- Internal Electrical Cabling Trench
- Assembly Areas
- Crane Pad Hardstanding Area
- + Turbine Foundation
- N Proposed Max. Turbine Sweep Area
- + Spoil Management Areas (refer to Section 4.3.3.2 of Chapter 4 of EIAR)
- Watercourse
- Watercourse 50m Buffer
- Drains
- Drain 10m Buffer
- Cut
- Fill



**DRAWING TITLE**  
**Site Layout 1:2,500**  
**Sheet 6 of 6**

**PROJECT TITLE**  
**Umma More Renewable Energy Development, Co. Westmeath**

**DRAWING BY** Joseph O'Brien      **CHECKED BY** Ellen Costello  
**PROJECT NO.** 201050      **DRAWING NO.** 201050 - 12  
**SCALE:** 1:2,500 @ A1      **DATE:** 06.03.2023  
**JOB SHEET NO.:** 2900, 2901, 2969, 2970

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