

# White Hill Wind Farm

## Planning Drawings

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Prepared by:



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Date: Rev. Description: Drawn By:

Agent Address:

Galetech Energy Services,  
Clondargan,  
Stradone,  
Co. Cavan

Job Title:

White Hill Wind Farm

Client:

White Hill Wind Ltd

Drawing Title:

Drawing No.: Revision No.:

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Scale: Date:

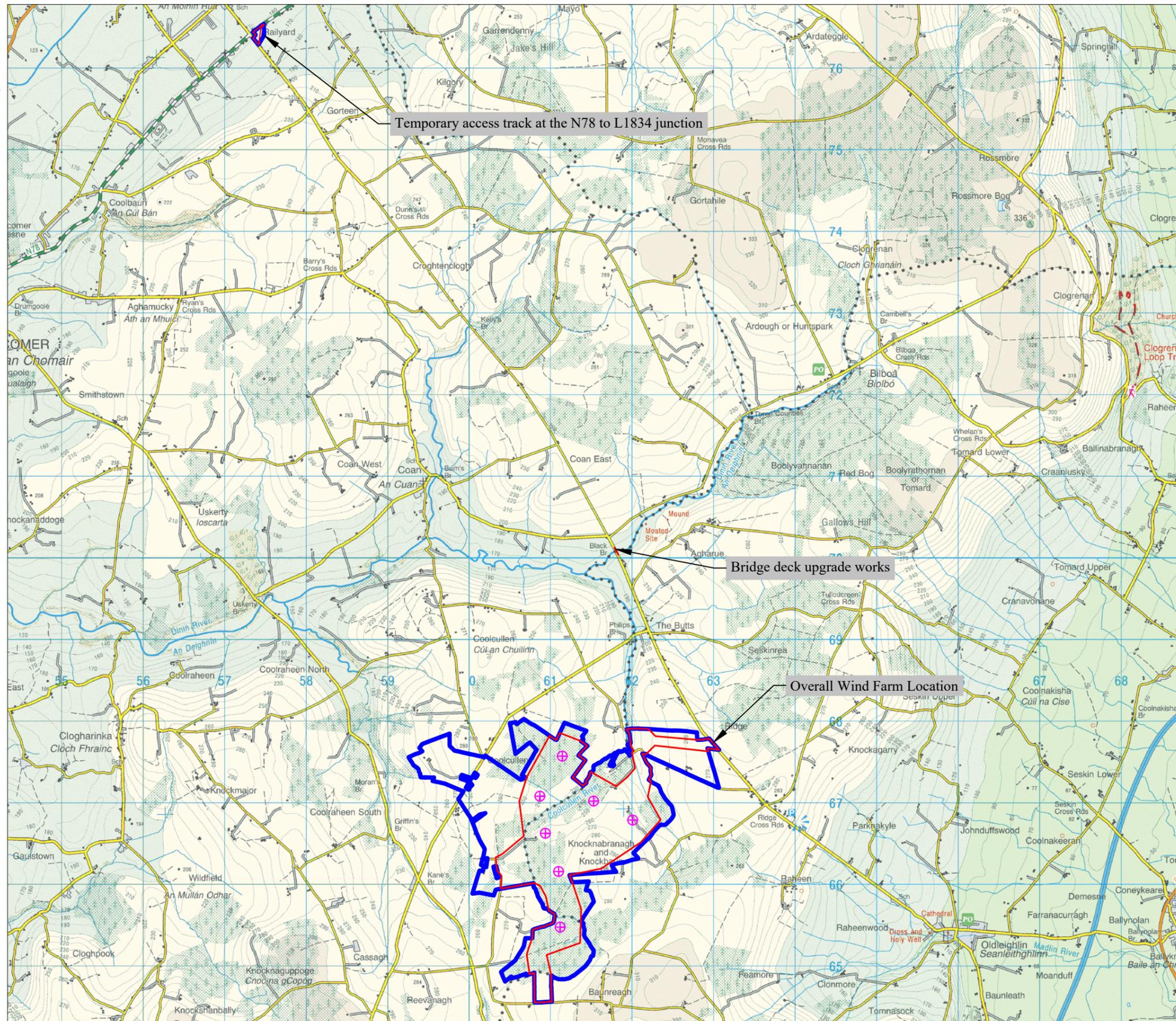
30/10/2022

Drawn By: Checked By: Confirmed By:

C.M.P

J.B

S.C



Overall Site Location (Scale 1:50,000)

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**Legend:**

- Location of proposed turbine ⊕
- Ownership Boundary —
- Application Boundary —

| Date: | Rev.: | Description: | Drawn By: |
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Agent Address:  
 Galetech Energy Services,  
 Clondargan,  
 Stradone,  
 Co. Cavan

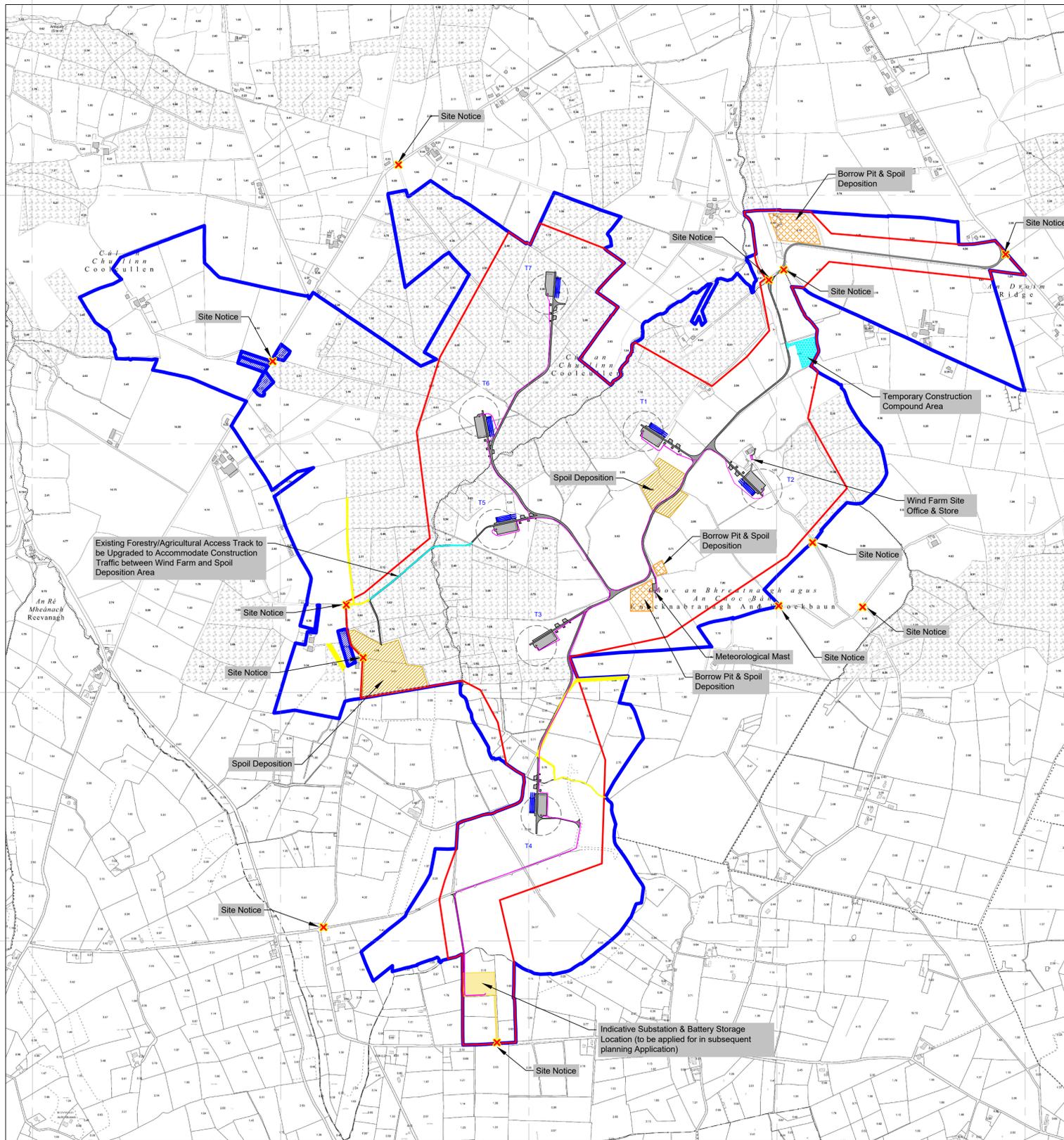
Job Title:  
 White Hill Wind Farm

Client:  
 White Hill Wind Ltd

Drawing Title:  
 Figure 1: Overall Site Location

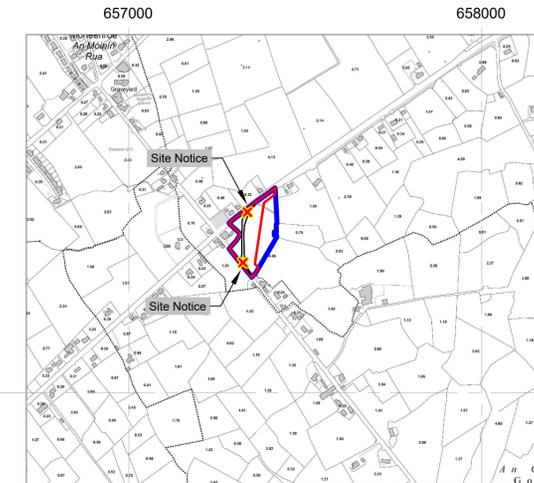
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| Drawn By:<br>C.M.P              | Checked By:<br>J.B   |
|                                 | Confirmed By:<br>S.C |

659000 660000 661000 662000 663000

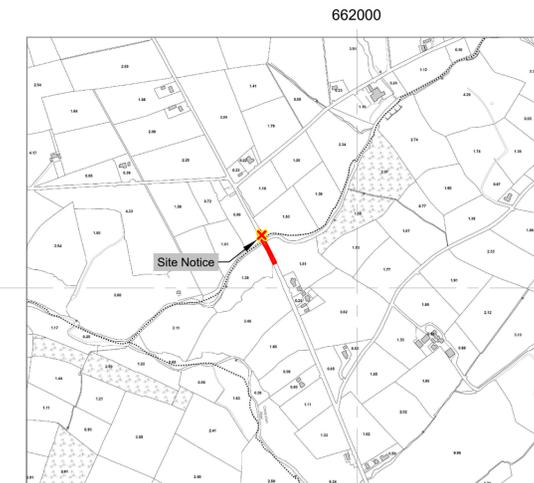


659000 660000 661000 662000 663000

Overall Wind Farm Location  
(Scale 1:10,000)



657000 658000  
Temporary access track at the N78 to L1834 Junction (Located approximately 10km north of the main wind farm site entrance)  
(Scale 1:10,000)



662000  
Bridge deck upgrade works along the L1835/L3037 (Located approximately 3km north of the main wind farm site entrance)  
(Scale 1:10,000)

**Legend:**

|  |                     |
|--|---------------------|
| Ownership Boundary                                 | Blue line           |
| Application Boundary                               | Red line            |
| Wind Farm Access Tracks & Crane Hardstanding Areas | Grey shaded area    |
| Indicative Wind Farm Cable Routes                  | Pink line           |
| Temporary Construction Compound                    | Cyan hatched area   |
| Spoil Deposition Areas                             | Yellow hatched area |
| Borrow Pit & Spoil Deposition Areas                | Orange hatched area |
| Registered Right of Way Areas                      | Yellow area         |
| Areas not included in Ownership Boundary           | Blue hatched area   |

- Notes:**
- All dimensions in meters unless otherwise stated
  - Turbines may be micro-sited by up to a maximum of 20 meters
  - Micro-siting of ancillary infrastructure to be permitted within the planning application boundary

|       |      |              |           |
|-------|------|--------------|-----------|
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Prepared by:

Galetech Energy Services,  
Clondorgan,  
Stradone,  
Co. Cavan

Client:  
**White Hill Wind Ltd**

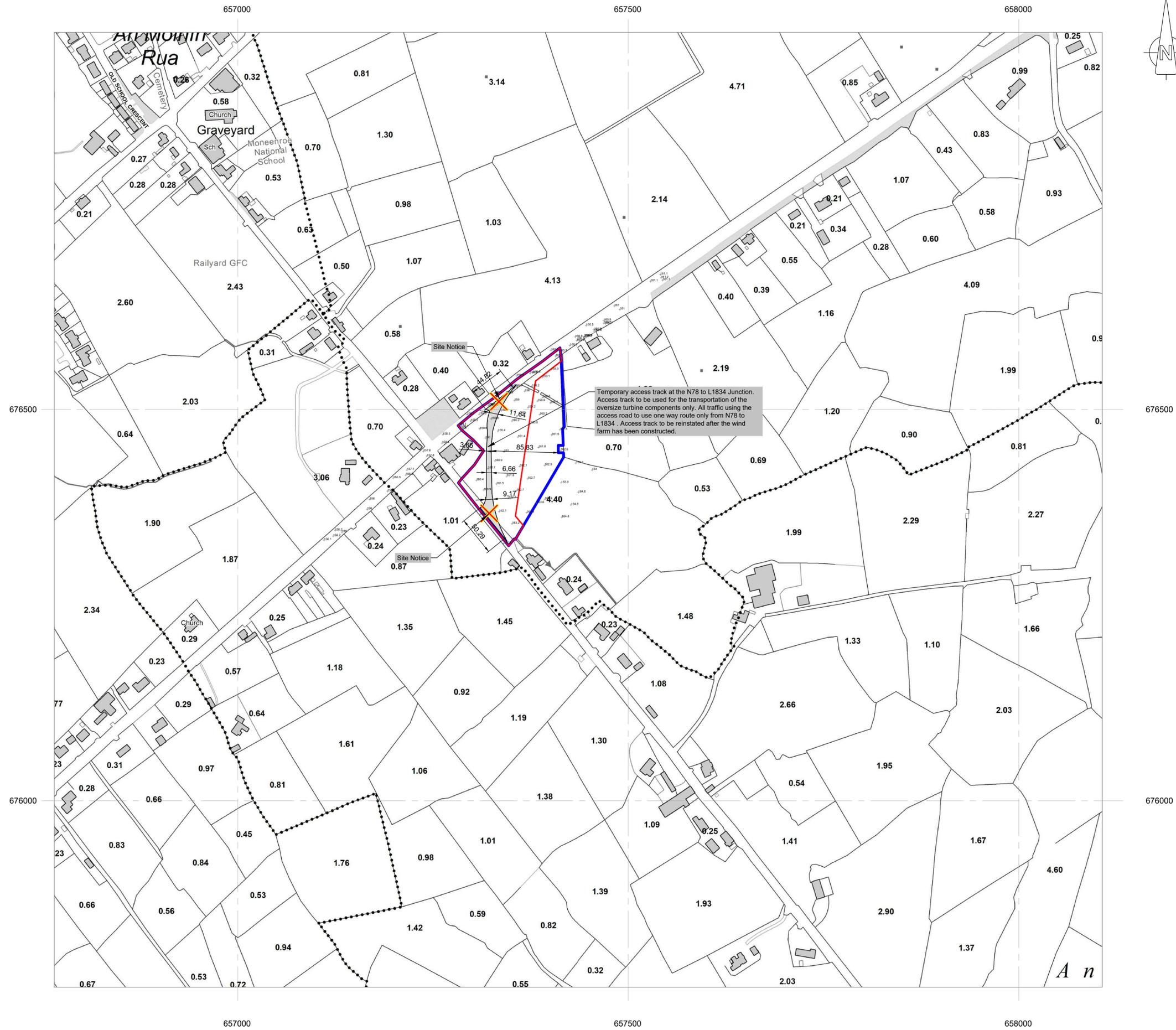
Job Title:  
**White Hill Wind Farm**

Drawing Title:  
**Figure 2: Overall Site Location**

|                 |               |               |
|-----------------|---------------|---------------|
| Drawing No.:    | Revision No.: |               |
| WTH_PAS_LOC_002 | 0             |               |
| Scale:          | Date:         |               |
| (A1) 1:10,000   | 30/09/2022    |               |
| Drawn By:       | Checked By:   | Confirmed By: |
| C.M.P           | J.B           | S.C.          |

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Temporary access track at the N78 to L1834 Junction. Access track to be used for the transportation of the oversize turbine components only. All traffic using the access road to use one way route only from N78 to L1834. Access track to be reinstated after the wind farm has been constructed.

**Legend:**

- Ownership Boundary —
- Application Boundary —
- Wind Farm Access Tracks & Crane Hardstanding Areas
- Indicative Wind Farm Cable Routes —
- Temporary Construction Compound
- Spoil Deposition Areas
- Borrow Pit & Spoil Deposition Areas
- Registered Right of Way Areas
- Areas not included in Ownership Boundary

**Notes:**

- All dimensions in meters unless otherwise stated
- Turbines may be micro-sited by up to a maximum of 20 meters
- Micro-siting of ancillary infrastructure to be permitted within the planning application boundary

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Date:    Rev:    Description:    Drawn By:

Prepared by:



Galetech Energy Services,  
Clondorgan,  
Stradone,  
Co. Cavan

Client:

**White Hill Wind Ltd**

Job Title:

**White Hill Wind Farm**

Drawing Title:

**Figure 4.1: Site Layout Plan**

(Map 1 of 9)

|                                 |                       |
|---------------------------------|-----------------------|
| Drawing No.:<br>WTH_PAS_LAY_001 | Revision No.:<br>0    |
| Scale:<br>(A1) 1:2,500          | Date:<br>30/09/2022   |
| Drawn By:<br>C.M.P              | Checked By:<br>J.B    |
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**Legend:**

|  |  |
|--|--|
| Ownership Boundary                                 |  |
| Application Boundary                               |  |
| Wind Farm Access Tracks & Crane Hardstanding Areas |  |
| Indicative Wind Farm Cable Routes                  |  |
| Temporary Construction Compound                    |  |
| Spoil Deposition Areas                             |  |
| Borrow Pit & Spoil Deposition Areas                |  |
| Registered Right of Way Areas                      |  |
| Areas not included in Ownership Boundary           |  |

- Notes:**
- All dimensions in meters unless otherwise stated
  - Turbines may be micro-sited by up to a maximum of 20 meters
  - Micro-siting of ancillary infrastructure to be permitted within the planning application boundary

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Prepared by:



Galetech Energy Services,  
Clondargan,  
Stradone,  
Co. Cavan

Client:

**White Hill Wind Ltd**

Job Title:

**White Hill Wind Farm**

Drawing Title:

**Figure 4.2: Site Layout Plan**  
(Map 2 of 9)

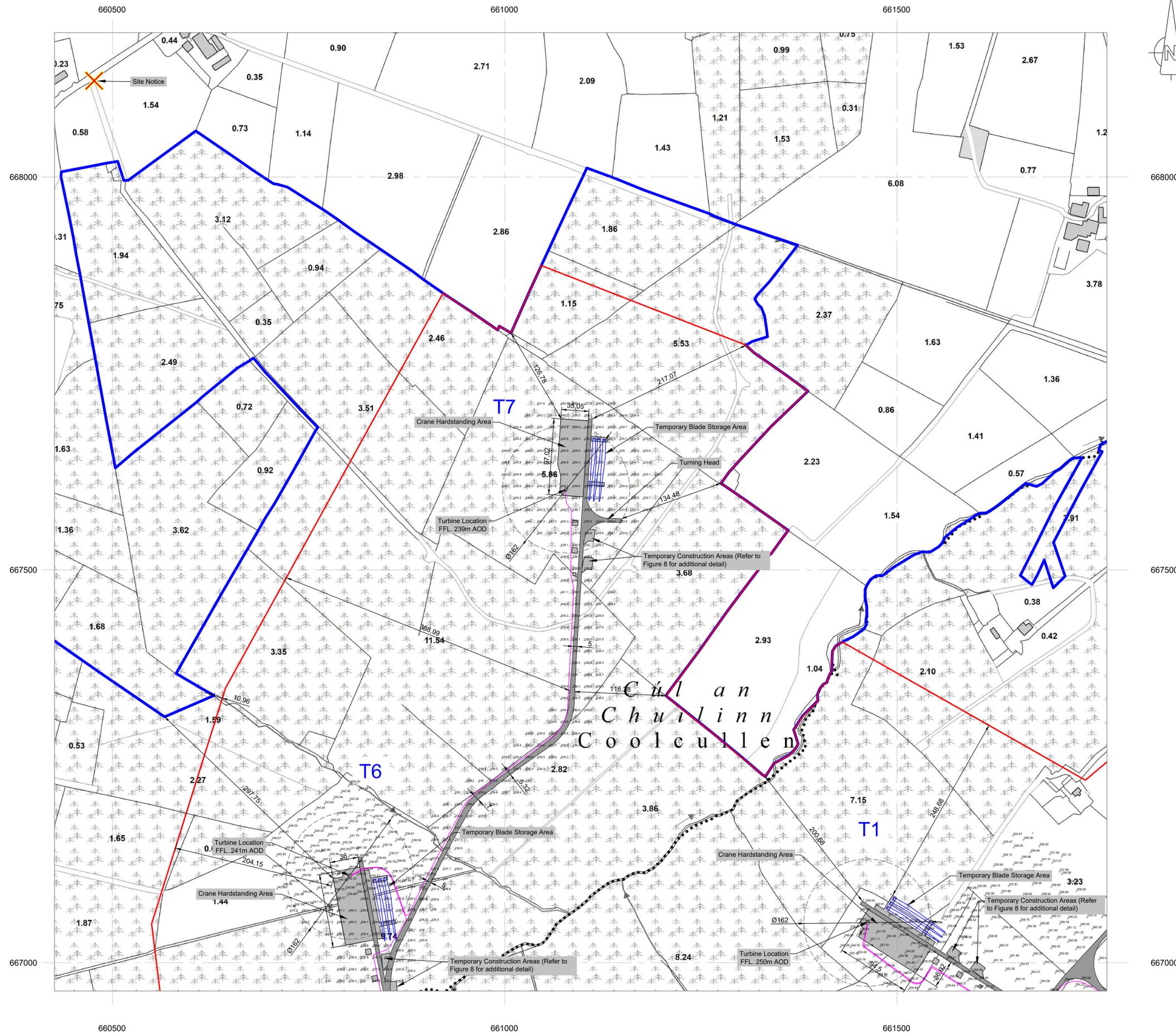
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| (A1) 1:2,500 | 30/09/2022 |

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| C.M.P     | J.B         | S.C.          |

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**Legend:**

|  |                         |
|--|-------------------------|
| Ownership Boundary                                 | — (Blue line)           |
| Application Boundary                               | — (Red line)            |
| Wind Farm Access Tracks & Crane Hardstanding Areas | — (Grey shaded area)    |
| Indicative Wind Farm Cable Routes                  | — (Pink dashed line)    |
| Temporary Construction Compound                    | — (Blue hatched area)   |
| Spoil Deposition Areas                             | — (Orange hatched area) |
| Borrow Pit & Spoil Deposition Areas                | — (Yellow hatched area) |
| Registered Right of Way Areas                      | — (Yellow solid area)   |
| Areas not included in Ownership Boundary           | — (Blue hatched area)   |

- Notes:**
- All dimensions in meters unless otherwise stated
  - Turbines may be micro-sited by up to a maximum of 20 meters
  - Micro-siting of ancillary infrastructure to be permitted within the planning application boundary

|       |      |              |           |
|-------|------|--------------|-----------|
| Date: | Rev: | Description: | Drawn By: |
|       |      |              |           |

Prepared by:



Gaitech Energy Services,  
Clondangan,  
Stradone,  
Co. Cavan

Client:

**White Hill Wind Ltd**

Job Title:

**White Hill Wind Farm**

Drawing Title:

**Figure 4.4: Site Layout Plan**  
(Map 4 of 9)

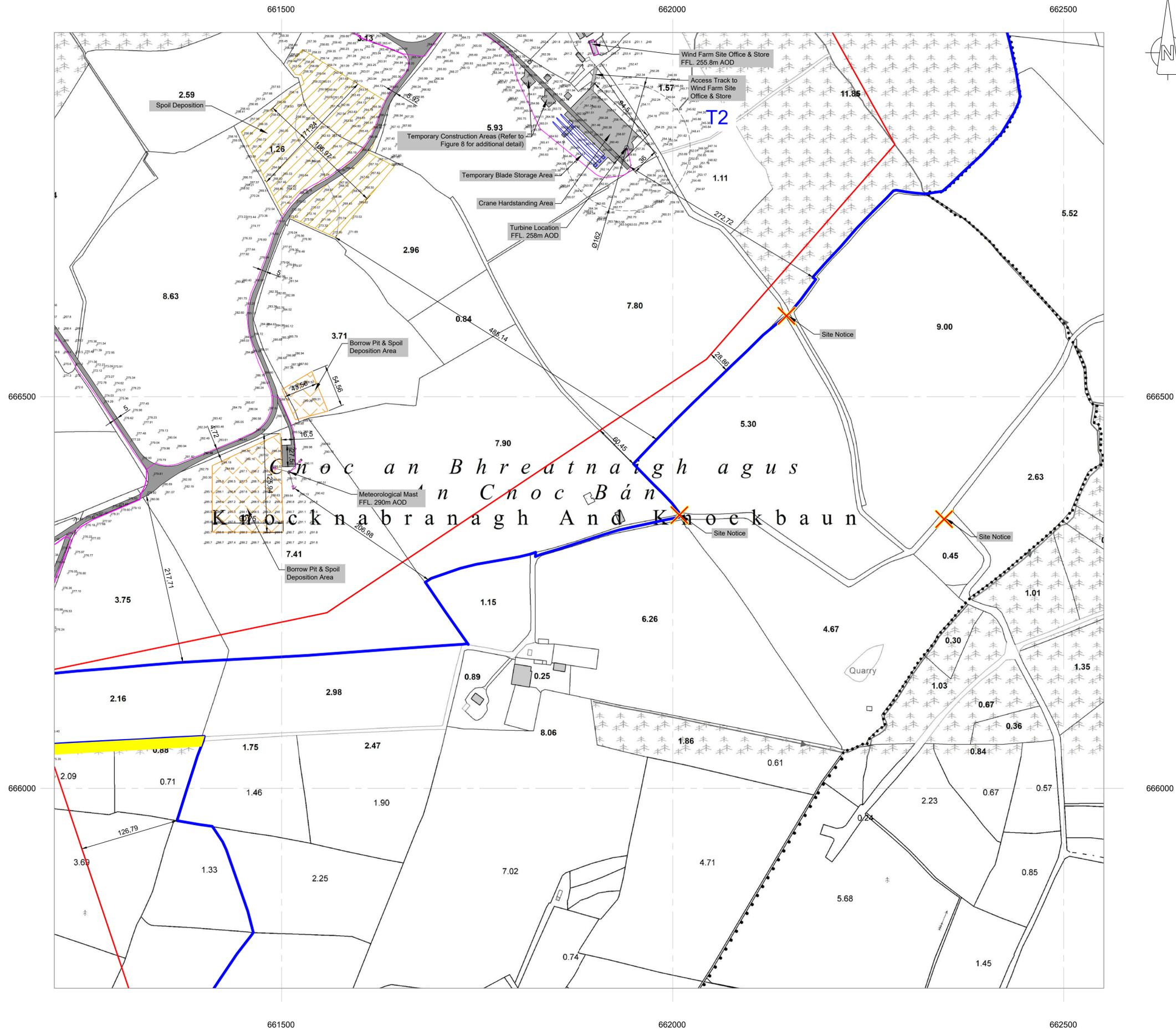
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| (A1) 1:2,500    | 30/09/2022    |               |
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**Legend:**

|  |                         |
|--|-------------------------|
| Ownership Boundary                                 | — (Blue line)           |
| Application Boundary                               | — (Red line)            |
| Wind Farm Access Tracks & Crane Hardstanding Areas | — (Grey shaded area)    |
| Indicative Wind Farm Cable Routes                  | — (Pink dashed line)    |
| Temporary Construction Compound                    | — (Blue hatched area)   |
| Spoil Deposition Areas                             | — (Orange hatched area) |
| Borrow Pit & Spoil Deposition Areas                | — (Yellow hatched area) |
| Registered Right of Way Areas                      | — (Yellow solid area)   |
| Areas not included in Ownership Boundary           | — (Blue hatched area)   |

- Notes:**
- All dimensions in meters unless otherwise stated
  - Turbines may be micro-sited by up to a maximum of 20 meters
  - Micro-siting of ancillary infrastructure to be permitted within the planning application boundary

| Date: | Rev: | Description: | Drawn By: |
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Prepared by:



Galetech Energy Services,  
Clondargan,  
Stradone,  
Co. Cavan

Client:

**White Hill Wind Ltd**

Job Title:

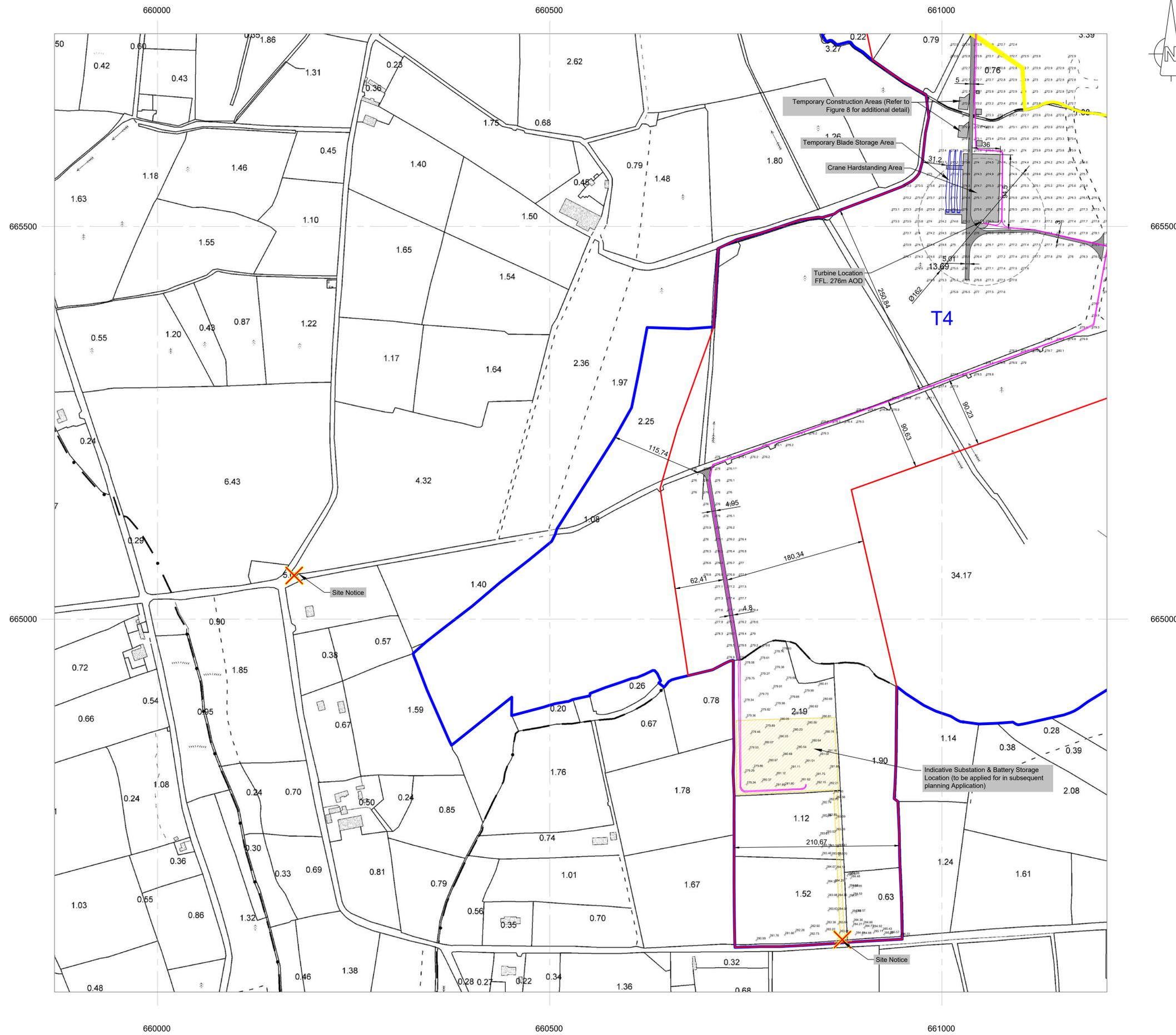
**White Hill Wind Farm**

Drawing Title:

**Figure 4.7: Site Layout Plan**  
(Map 7 of 9)

|              |                 |               |            |
|--------------|-----------------|---------------|------------|
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| Scale:       | (A1) 1:2,500    | Date:         | 30/09/2022 |
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|              |                 | Confirmed By: | S.C.       |

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**Legend:**

|  |                     |
|--|---------------------|
| Ownership Boundary                                 | Blue line           |
| Application Boundary                               | Red line            |
| Wind Farm Access Tracks & Crane Hardstanding Areas | Grey shaded area    |
| Indicative Wind Farm Cable Routes                  | Pink line           |
| Temporary Construction Compound                    | Blue hatched area   |
| Spoil Deposition Areas                             | Orange hatched area |
| Borrow Pit & Spoil Deposition Areas                | Yellow hatched area |
| Registered Right of Way Areas                      | Yellow line         |
| Areas not included in Ownership Boundary           | Blue hatched area   |

- Notes:**
- All dimensions in meters unless otherwise stated
  - Turbines may be micro-sited by up to a maximum of 20 meters
  - Micro-siting of ancillary infrastructure to be permitted within the planning application boundary

|       |      |              |           |
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| Date: | Rev: | Description: | Drawn By: |
|       |      |              |           |

Prepared by:



Galetech Energy Services,  
Clondangan,  
Stradone,  
Co. Cavan

Client:

**White Hill Wind Ltd**

Job Title:

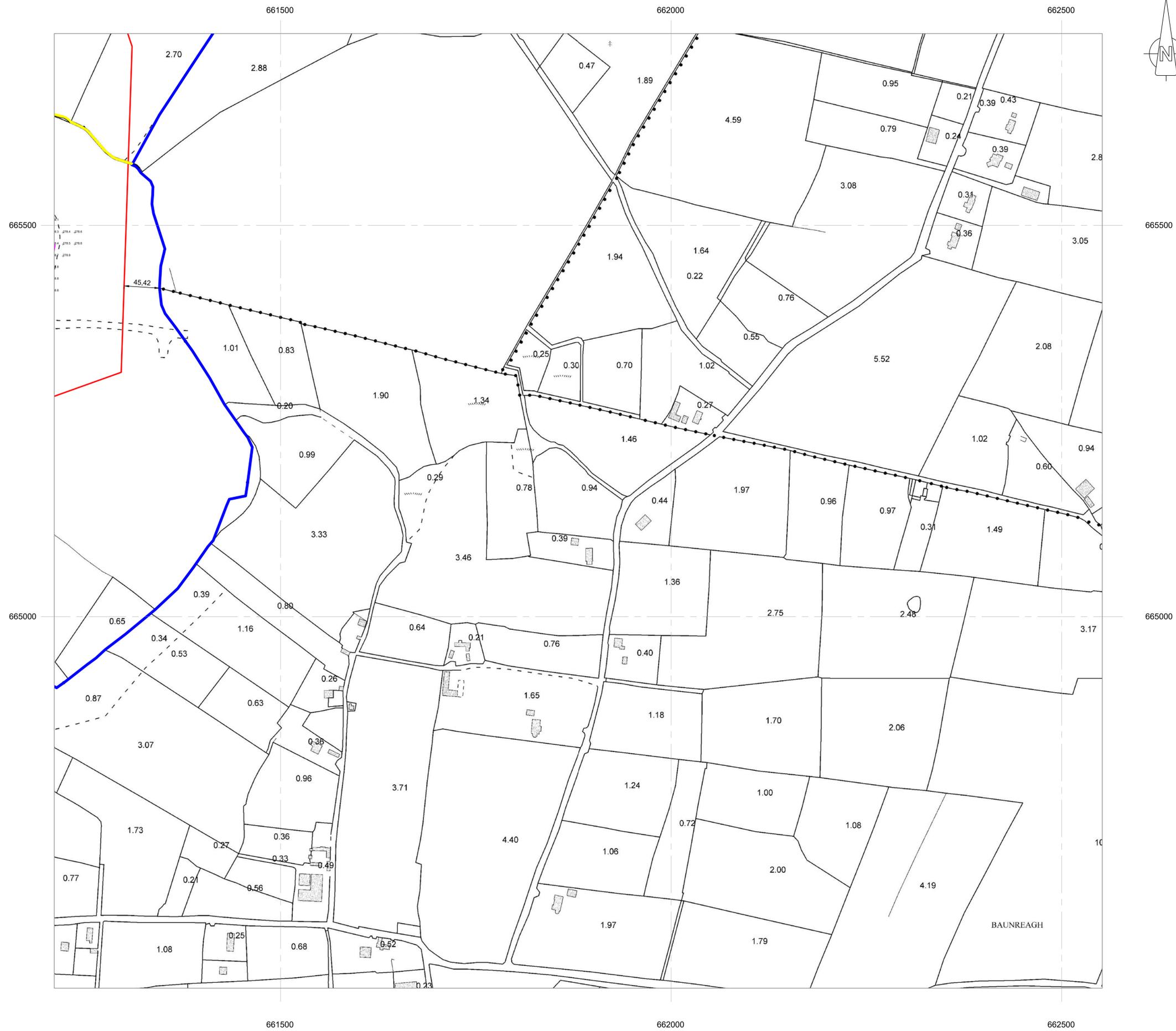
**White Hill Wind Farm**

Drawing Title:

**Figure 4.8: Site Layout Plan**  
(Map 8 of 9)

|                 |               |               |
|-----------------|---------------|---------------|
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| WTH_PAS_LAY_008 | 0             |               |
| Scale:          | Date:         |               |
| (A1) 1:2,500    | 30/09/2022    |               |
| Drawn By:       | Checked By:   | Confirmed By: |
| C.M.P           | J.B           | S.C.          |

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**Legend:**

|  |  |
|--|--|
| Ownership Boundary                                 |  |
| Application Boundary                               |  |
| Wind Farm Access Tracks & Crane Hardstanding Areas |  |
| Indicative Wind Farm Cable Routes                  |  |
| Temporary Construction Compound                    |  |
| Spoil Deposition Areas                             |  |
| Borrow Pit & Spoil Deposition Areas                |  |
| Registered Right of Way Areas                      |  |
| Areas not included in Ownership Boundary           |  |

- Notes:**
- All dimensions in meters unless otherwise stated
  - Turbines may be micro-sited by up to a maximum of 20 meters
  - Micro-siting of ancillary infrastructure to be permitted within the planning application boundary

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| Date: | Rev: | Description: | Drawn By: |
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Prepared by:



Galetech Energy Services,  
Clondargan,  
Stradone,  
Co. Cavan

Client:

**White Hill Wind Ltd**

Job Title:

**White Hill Wind Farm**

Drawing Title:

**Figure 4.9: Site Layout Plan**  
(Map 9 of 9)

|                 |               |
|-----------------|---------------|
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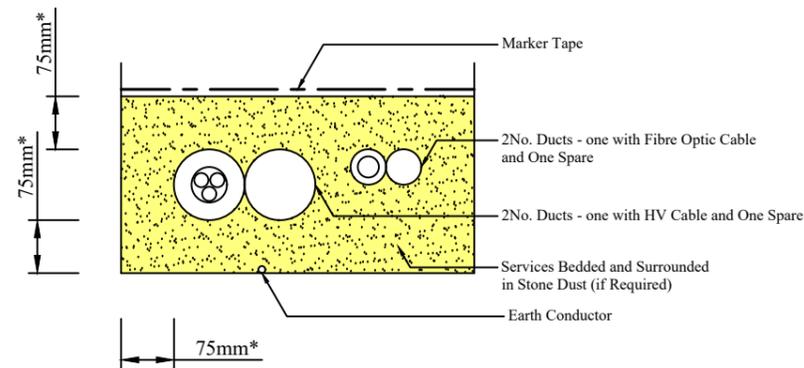
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| Scale:       | Date:      |
| (A1) 1:2,500 | 30/09/2022 |

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| Drawn By: | Checked By: | Confirmed By: |
| C.M.P     | J.B         | S.C.          |

OSI © Licence: EN 0062822; OS Map Ref. Nos. 4470, 4528, 4529, 4588, 4589, 4593-A & 4593-C

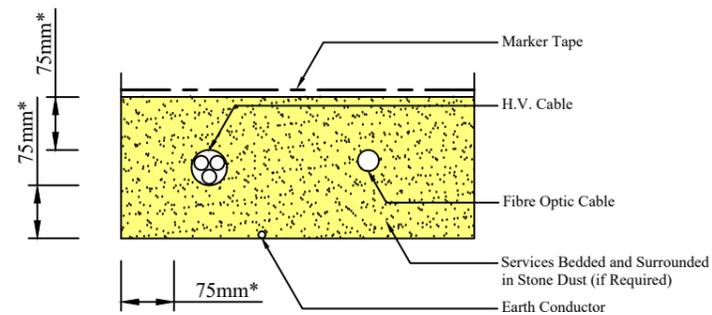


# Typical Service Trench Crossing Track Scale 1:20

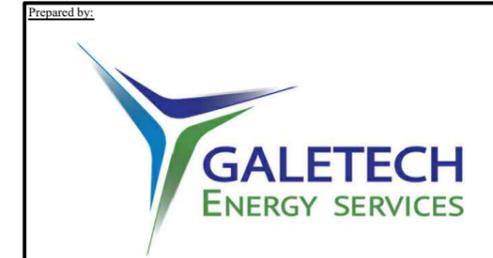
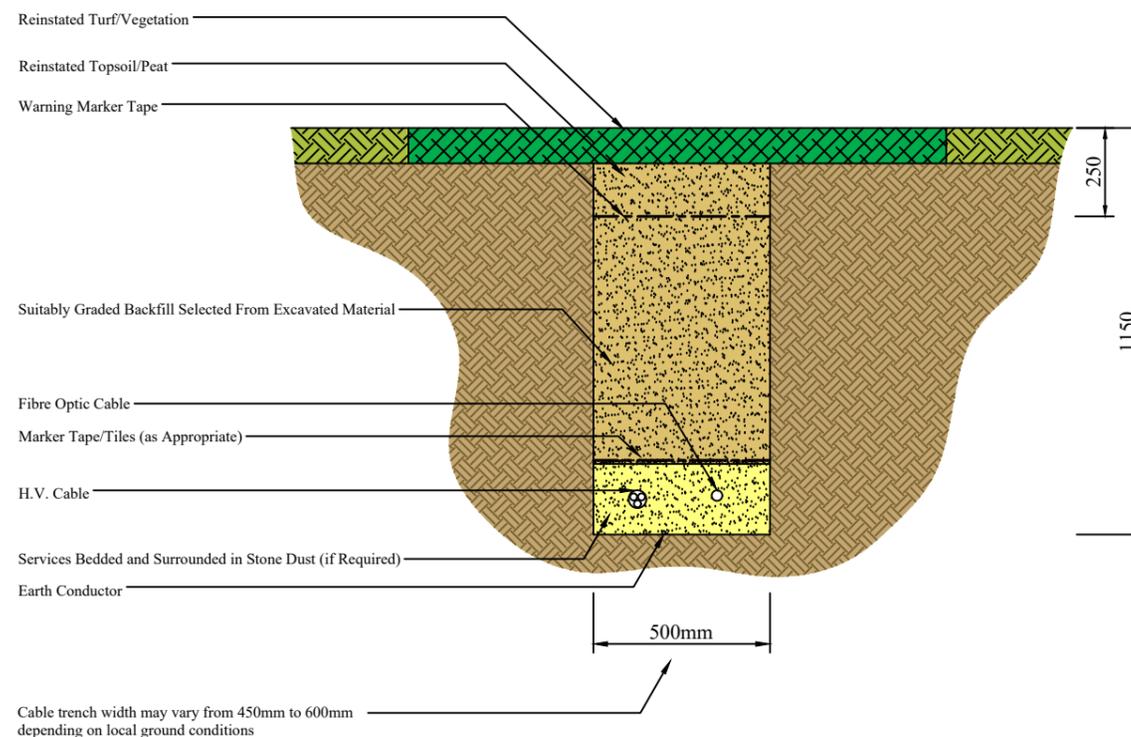
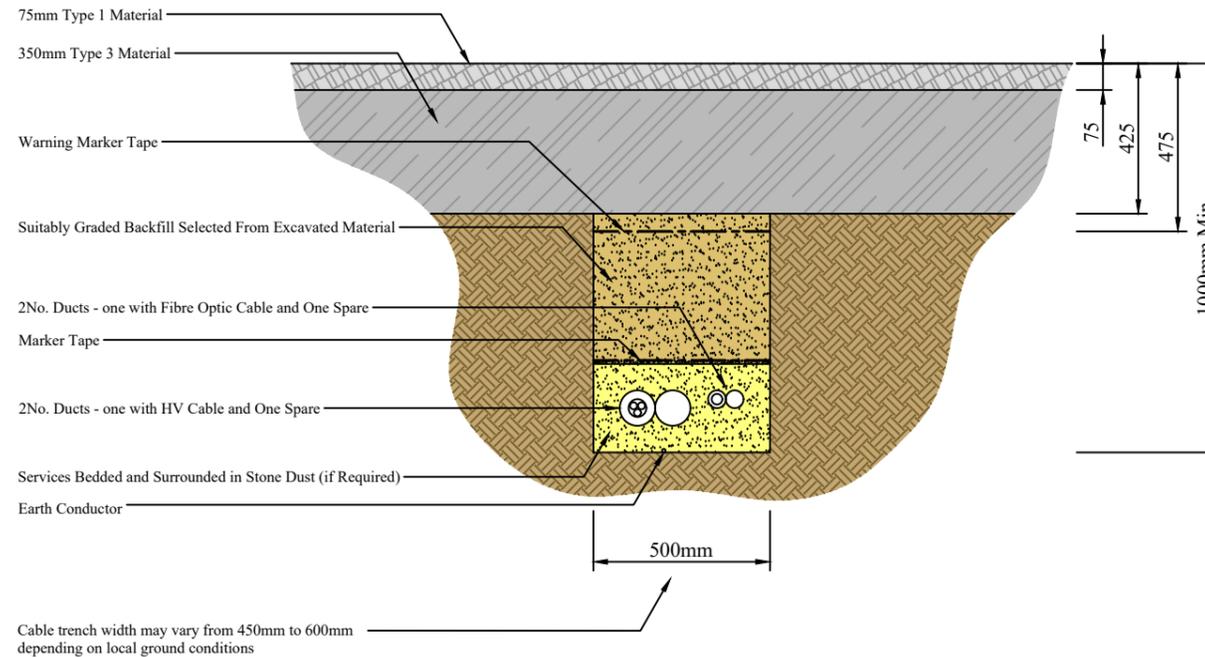


Enlarged Services Detail  
Scale 1:10

# Typical Service Trench Detail Scale 1:20



Enlarged Services Detail  
Scale 1:10



**Note:**

- 1) Depth of cable trenches to suit sub-surface conditions. i.e. to be located in stable soil conditions.
- 2) Dimensions with \* against them refer to specific clearances around the H.V. cable.

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Agent Address:

Galetech Energy Services,  
Clondargan,  
Stradone,  
Co. Cavan

Job Title:

White Hill Wind Farm

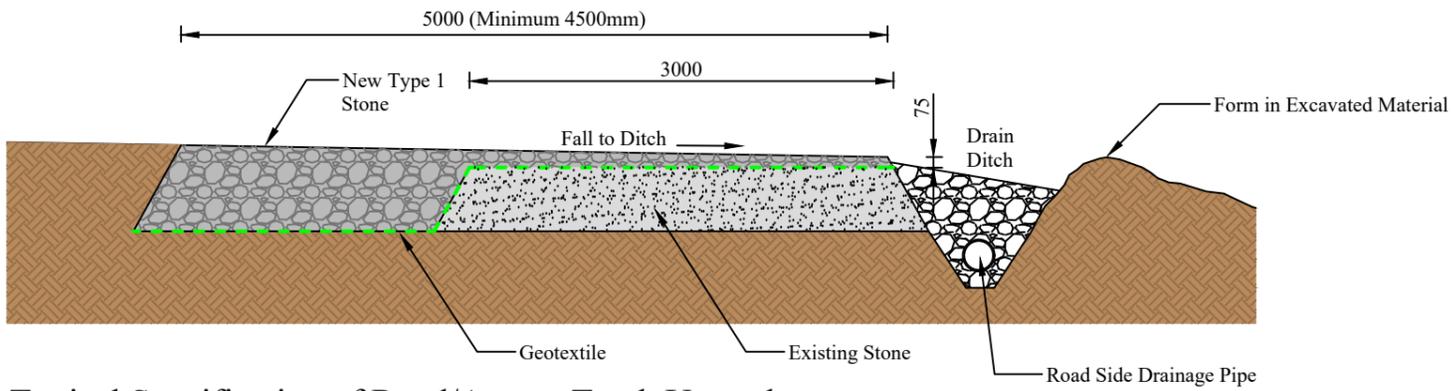
Client:

White Hill Wind Ltd

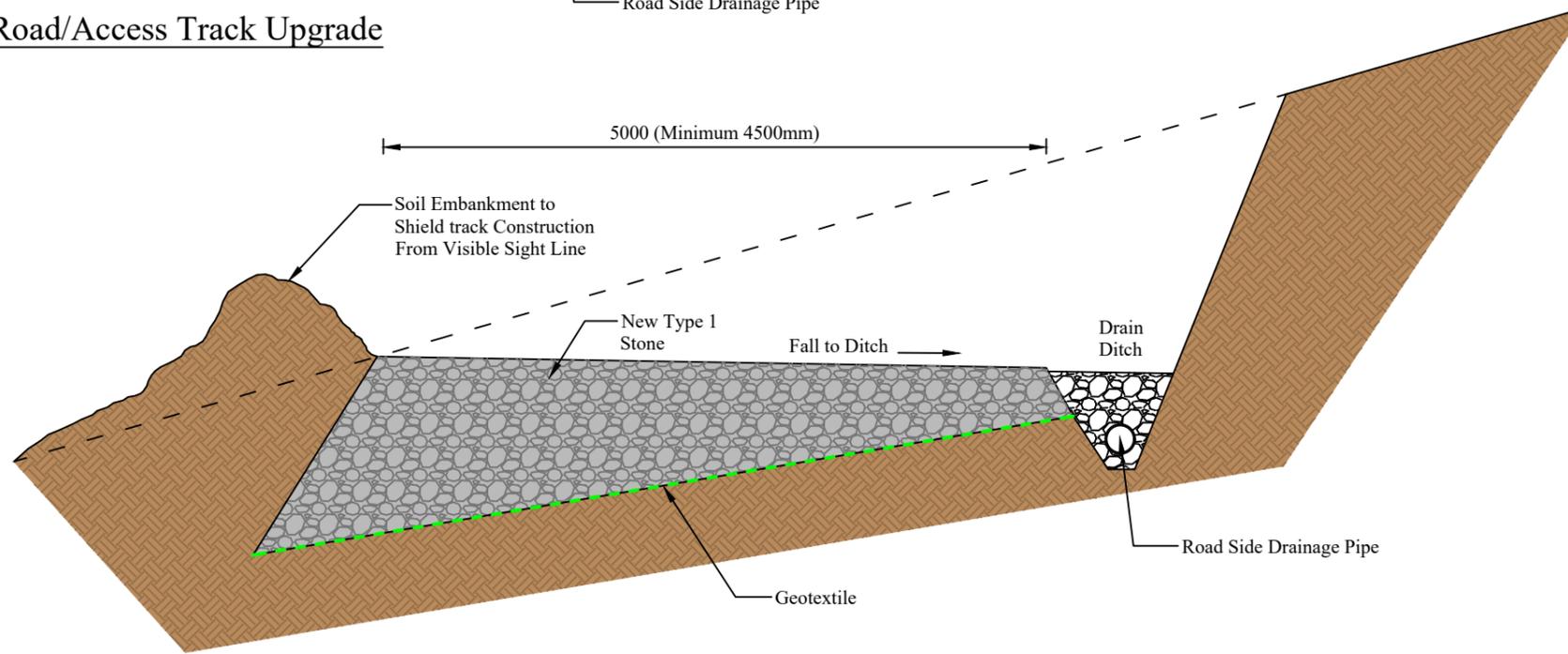
Drawing Title:

Figure 6: Typical Arrangement of  
Underground Wind Farm Cabling

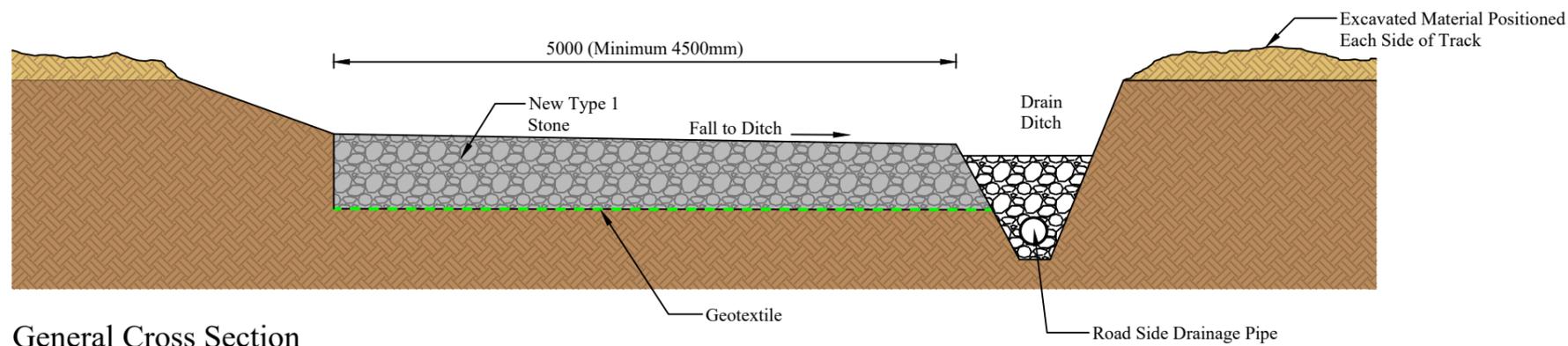
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| Drawn By:       | Checked By:   | Confirmed By: |
| J.B.            | C.M.P.        | S.C.          |



**Typical Specification of Road/Access Track Upgrade**  
Scale 1:50



**Typical Detail at Steeper Slope Locations**  
Scale 1:50



**General Cross Section**  
Scale 1:50

Prepared by:



**Note:**

- 1) All dimensions must be checked on site and not scaled from this drawing.
- 2) All dimensions in millimetres unless otherwise stated

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Date:    Rev:    Description:    Drawn By:

Agent Address:

Galetech Energy Services,  
Clondorgan,  
Stradone,  
Co. Cavan

Job Title:

**White Hill Wind Farm**

Client:

**White Hill Wind Ltd**

Drawing Title:

**Figure 7: Typical Site Road Specification**

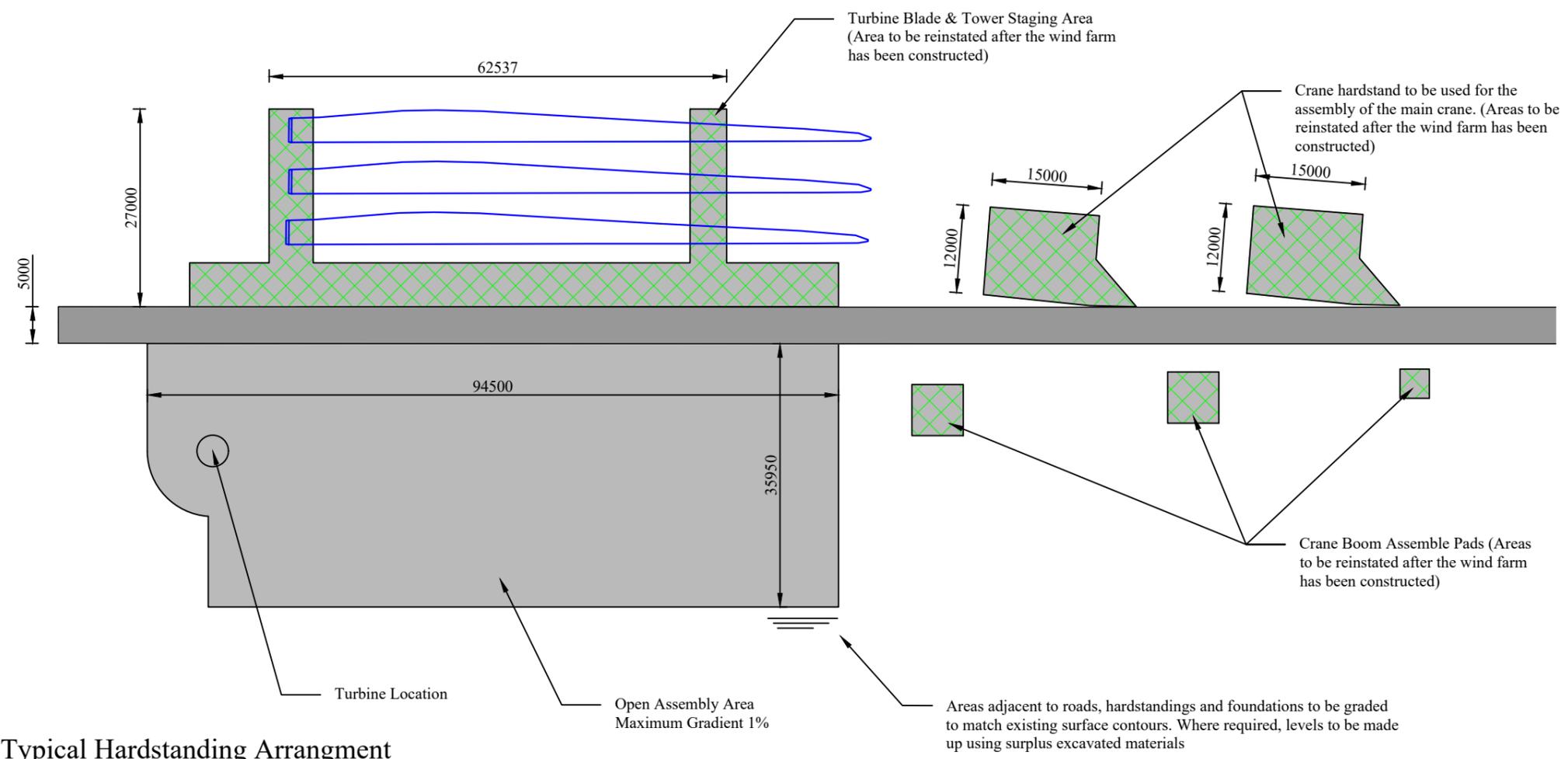
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| Scale:<br>(A3) 1:50            | Date:<br>30/10/2022  |
| Drawn By:<br>C.M.P             | Checked By:<br>J.B   |
|                                | Confirmed By:<br>S.C |





**Note:**

- 1) All dimensions must be checked on site and not scaled from this drawing.
- 2) The layout illustrated on this drawing is typically only. The hardstand layouts may vary depending on the site terrain and the lifting equipment specification
- 3) All dimensions in millimetres unless otherwise stated



**Typical Hardstanding Arrangement**  
Scale 1:750

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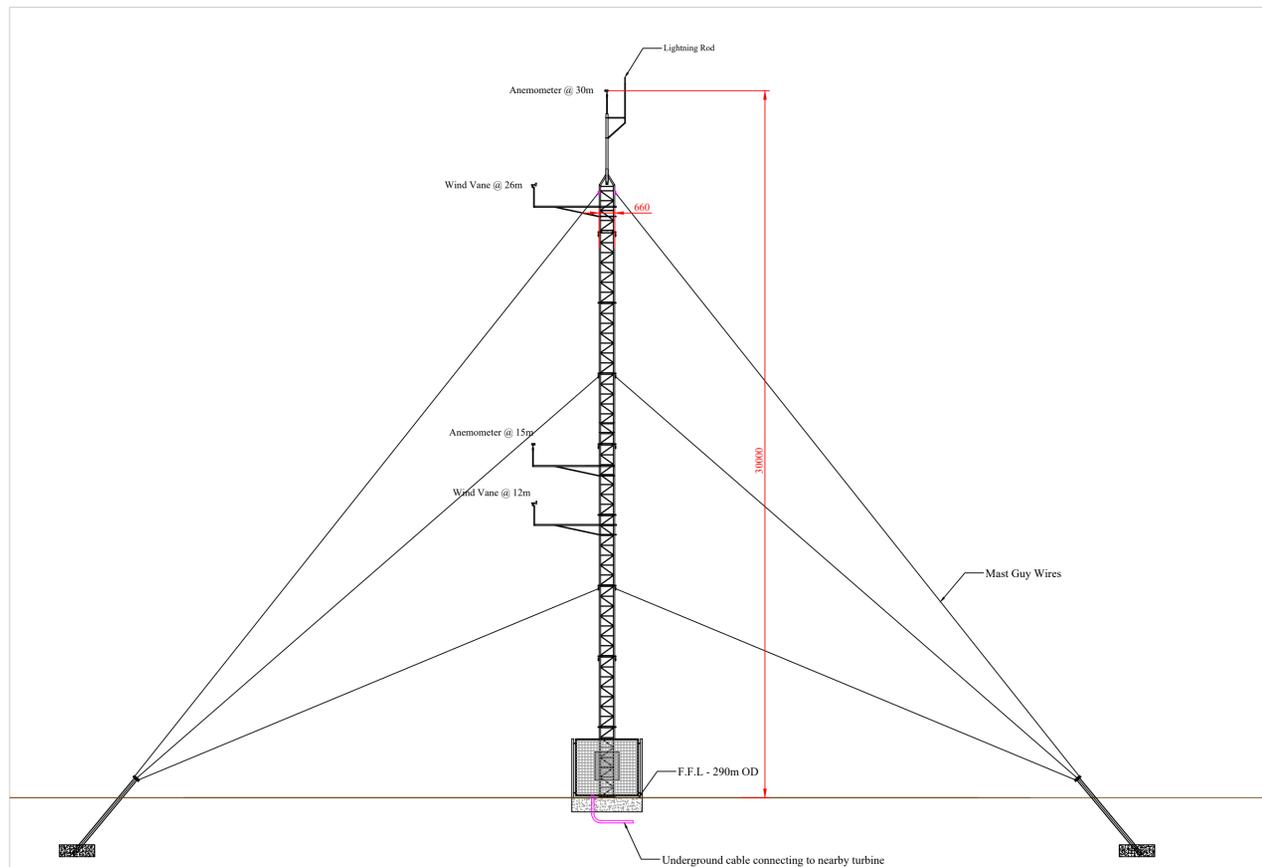
Agent Address:  
Galetech Energy Services,  
Clondargan,  
Stradone,  
Co. Cavan

Job Title:  
  
White Hill Wind Farm

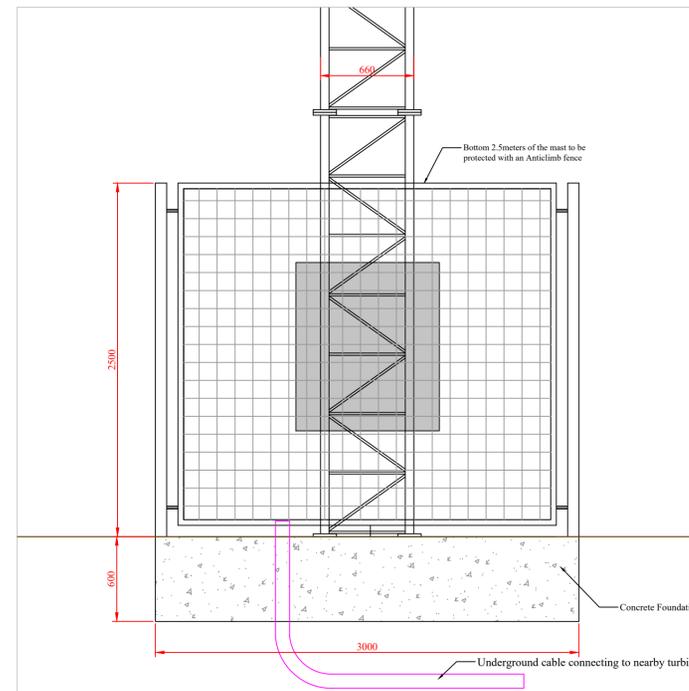
Client:  
White Hill Wind Ltd

Drawing Title:  
Figure 8: Typical Hardstand Specification

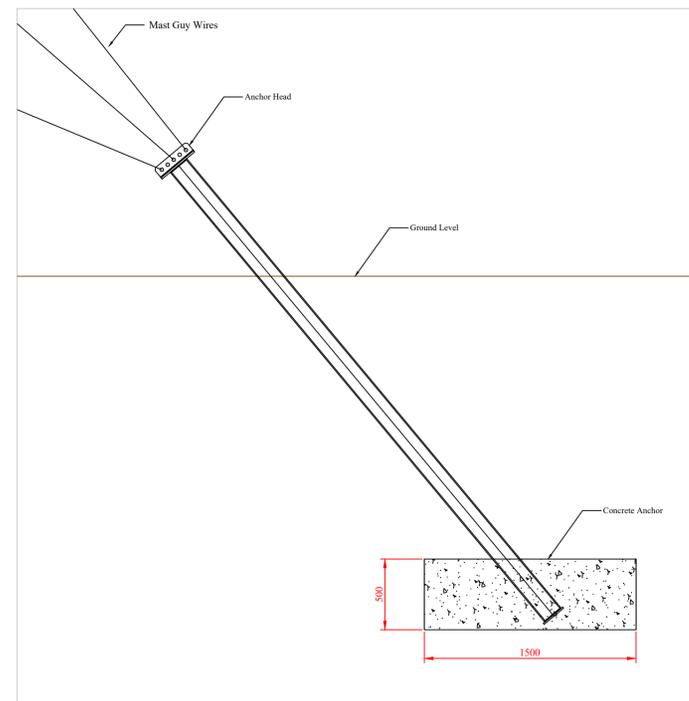
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| Scale:<br>(A3) 1:750           | Date:<br>30/10/2022  |
| Drawn By:<br>C.M.P             | Checked By:<br>J.B   |
|                                | Confirmed By:<br>S.C |



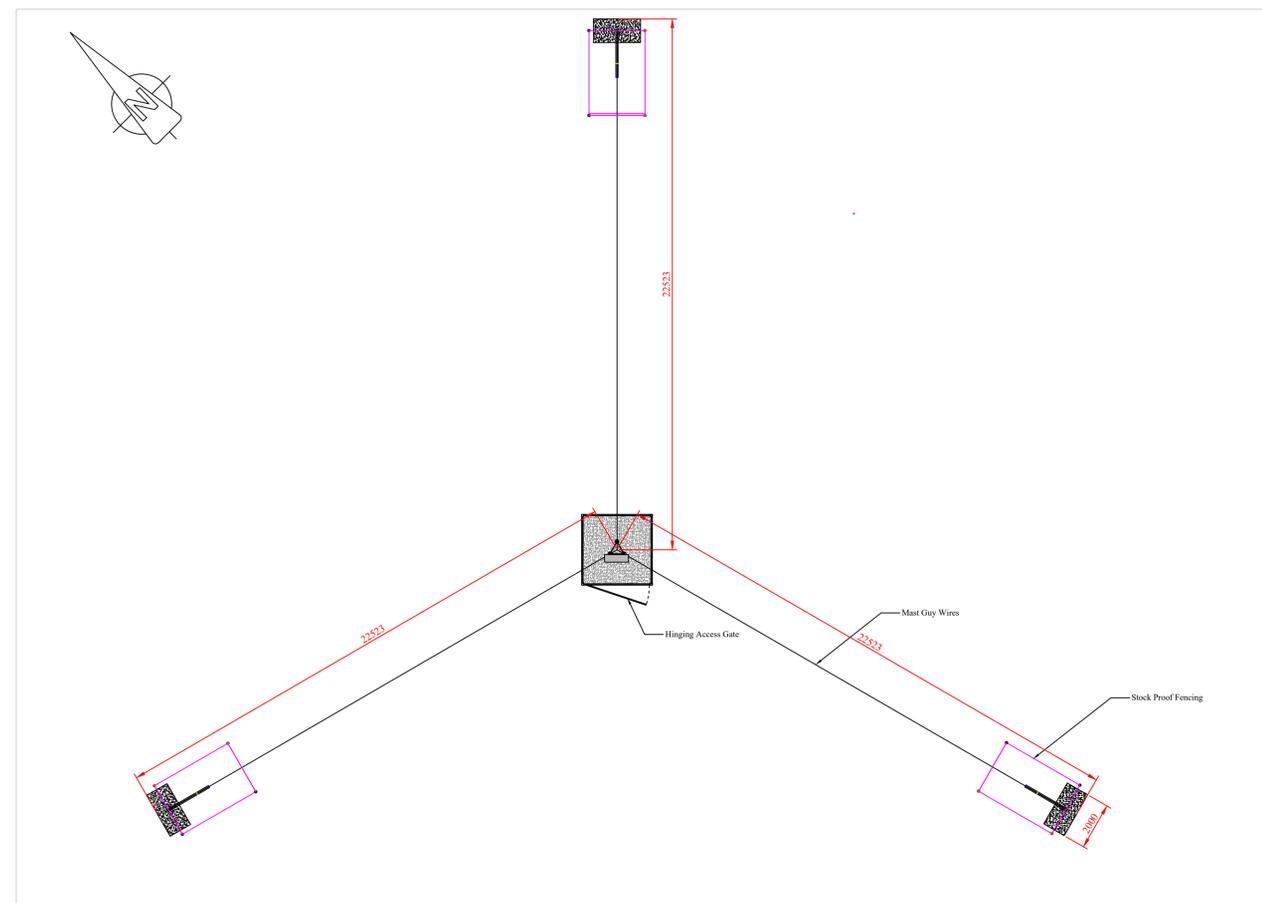
**Overall Mast Elevation**  
Scale 1:150



**Mast Foundation Section**  
Scale 1:25



**Anchor Formation**  
Scale 1:25



**Overall Mast Plan View**  
Scale 1:150

**GENERAL NOTES:**

1. MAST TO BE MANUFACTURED IN 3 METER SECTIONS AND BOLTS TOGETHER ON SITE
2. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
3. ALL STEELWORK TO BE HOT DIPPED GALVANIZED TO MIN. 85µm.
4. ALL BOLTS TO BE MIN. M16 GR 8.8 UNO.
5. ALL WELDS TO BE FULL STRENGTH FILLET WELDS MIN. 6mm UNO..
6. BOTTOM 2.5M OF MAST TO BE PROTECTED WITH ANTI-CLIMB DEVICE. TO BE FIXED AND SECURED IN ACCORDANCE WITH MANUFACTURER'S DETAILS.
7. MAST FOUNDATION AND ANCHORS ARE SUBJECT TO CHANGES FOLLOW GEOTECH INVESTIGATIONS

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Prepared by:



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Clondargan,  
Stradone,  
Co. Cavan

Client:

**White Hill Wind Ltd**

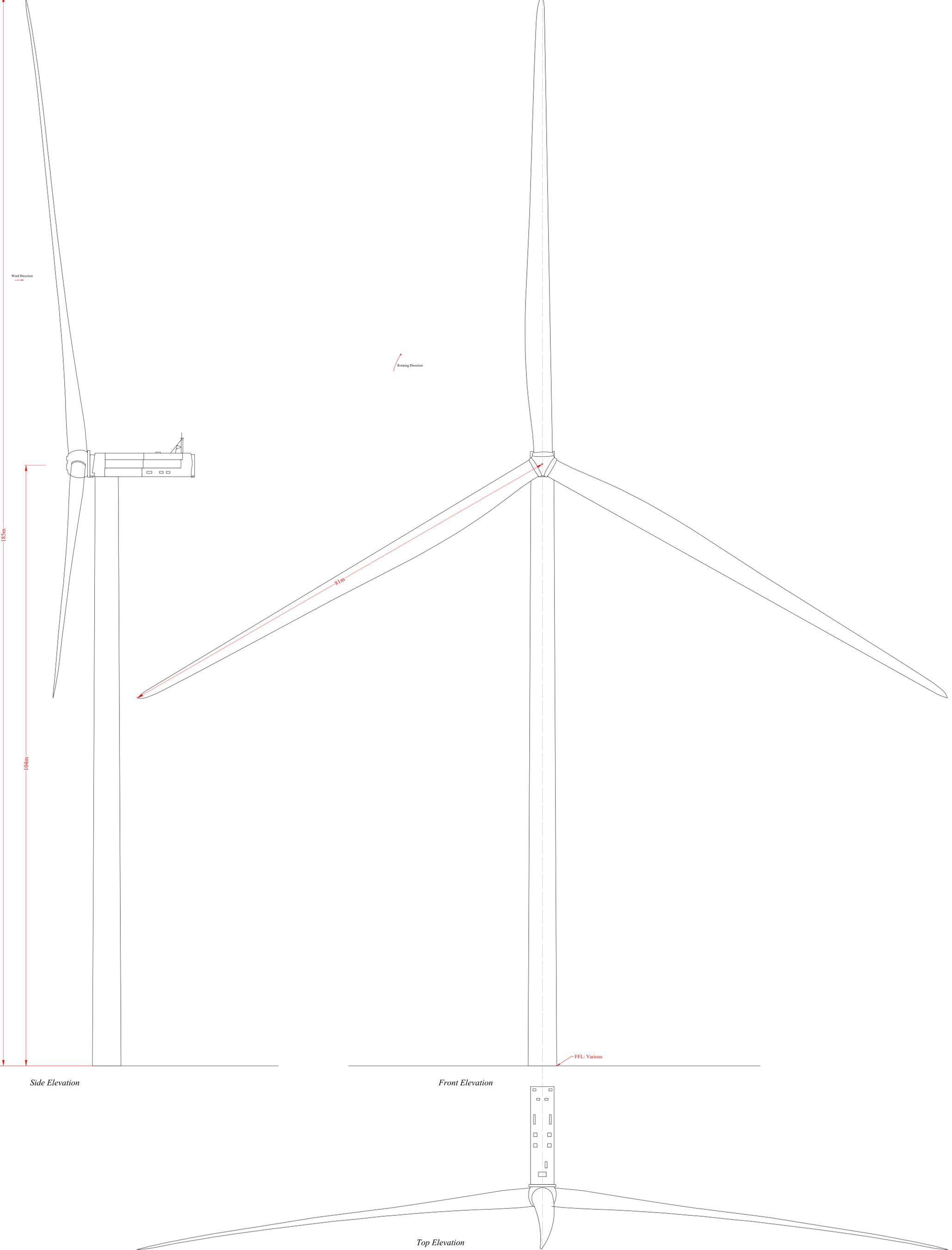
Job Title:

**White Hill Wind Farm**

Drawing Title:

**Figure 9: Typical Meteorological Mast Elevations**

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| Drawing No.:    | Revision No.: |               |
| WTH_PAS_ELV_001 | Rev 00        |               |
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| Drawn By:       | Checked By:   | Confirmed By: |
| C.M.P           | J.B           | S.C           |



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Clondragan,  
Stradone,  
Co. Cavan

Client:

White Hill Wind Ltd

Job Title:

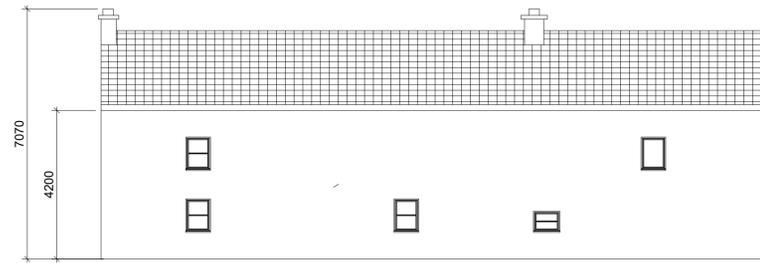
White Hill Wind Farm

Drawing Title:

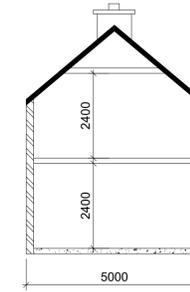
Figure 10 - Typical Turbine Elevations

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|              |                 | Confirmed By: | S.C.       |

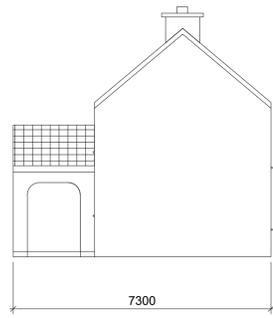
Drawings of existing building at White Hill Wind Farm. Planning permission sought for change of use of existing residential dwelling to office use associated with the wind farm



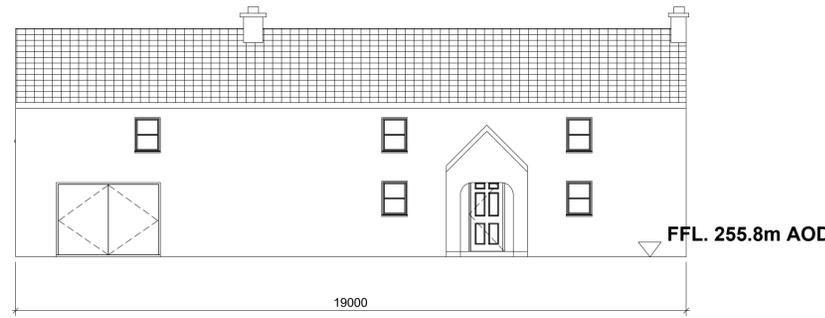
**Rear Elevation**  
1 : 100



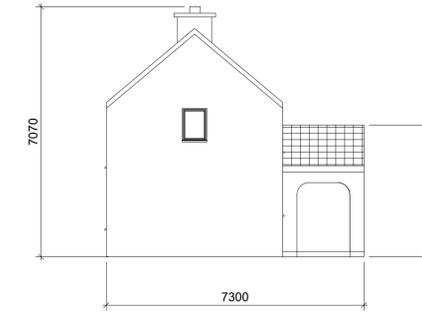
**Section A-A**  
1 : 100



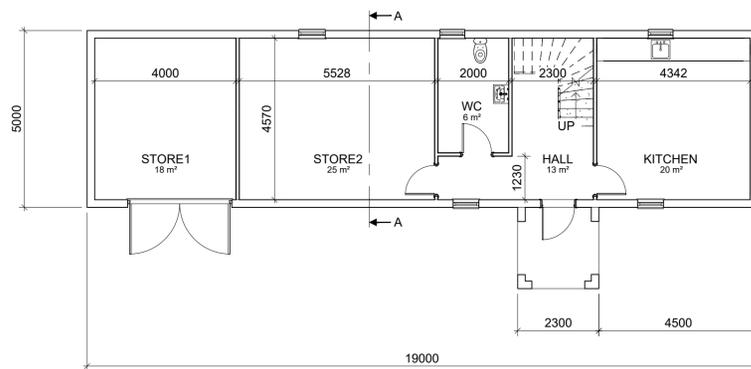
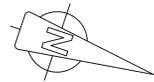
**East Elevation**  
1 : 100



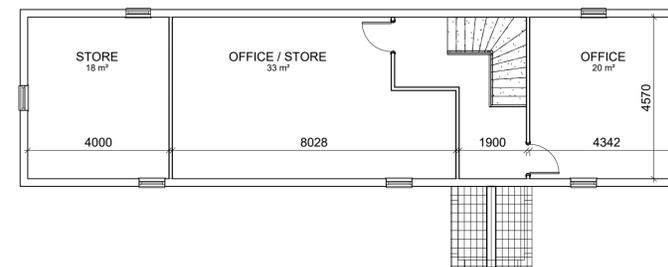
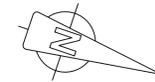
**Front Elevation**  
1 : 100



**West Elevation**  
1 : 100



**Ground Floor Plan View**  
1 : 100



**First Floor Plan View**  
1 : 100

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Prepared by:



Client:

**White Hill Wind Limited**

Job Title:

**White Hill Wind Farm**

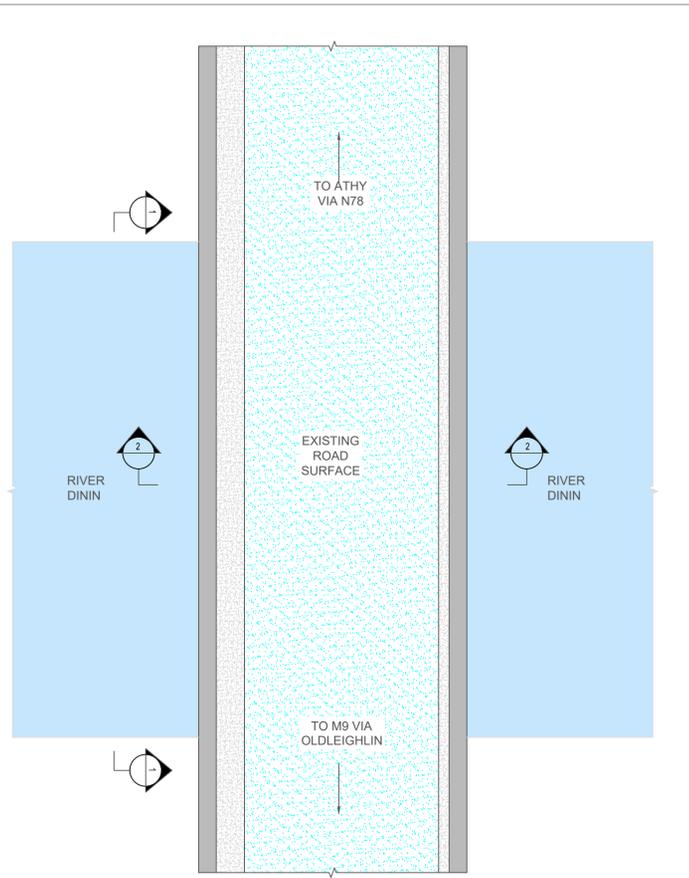
Drawing Title:

**Figure 11: Proposed Change of use from Residential Dwelling to Office Use associated with the wind farm (Elevation and Floor Plans)**

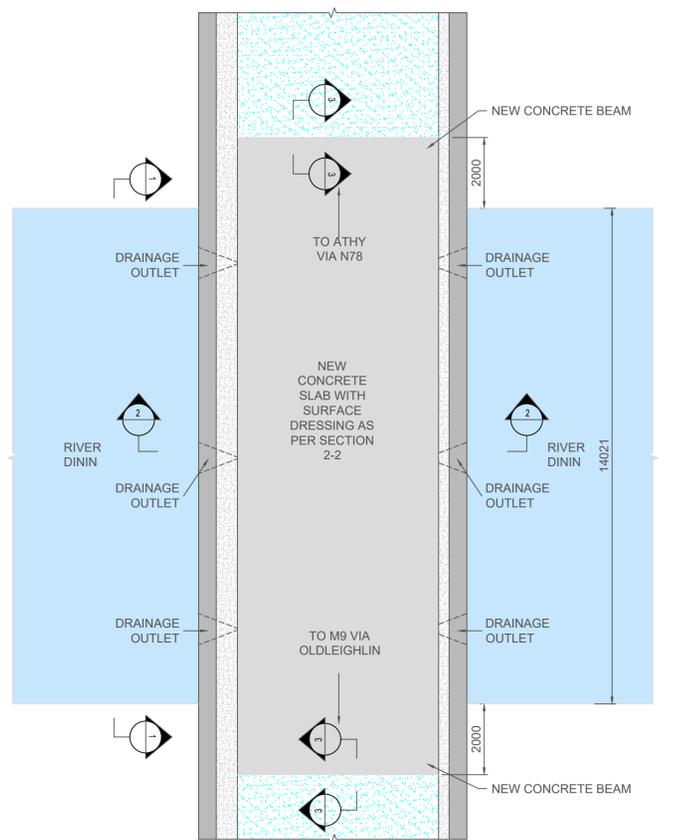
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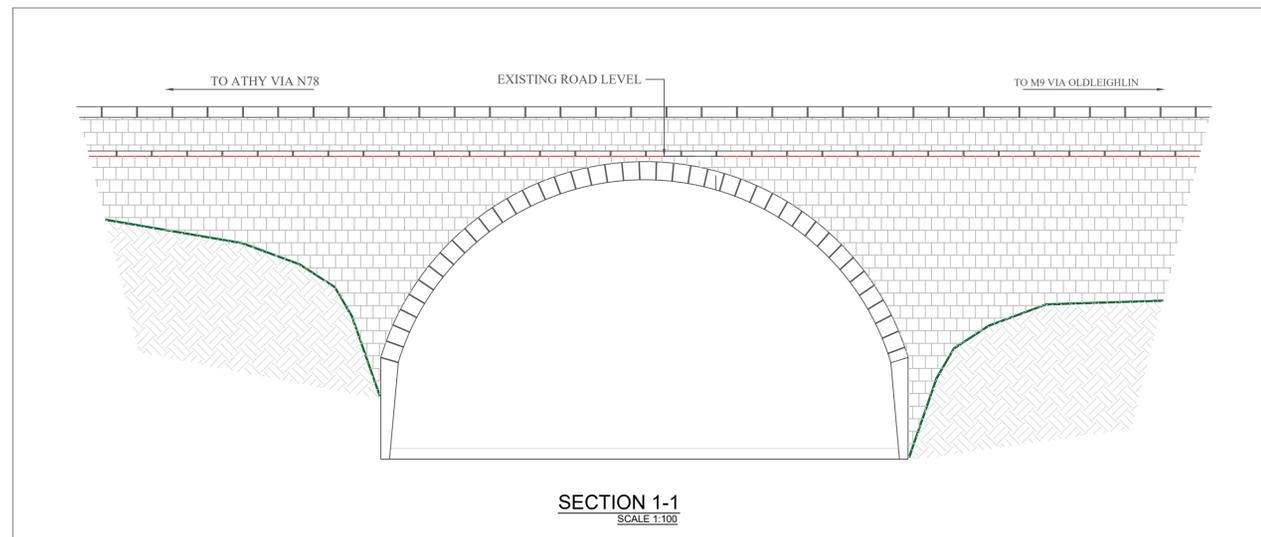
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| Drawn By:<br>C.M.P | Checked By:<br>J.B | Confirmed By:<br>S.C. |
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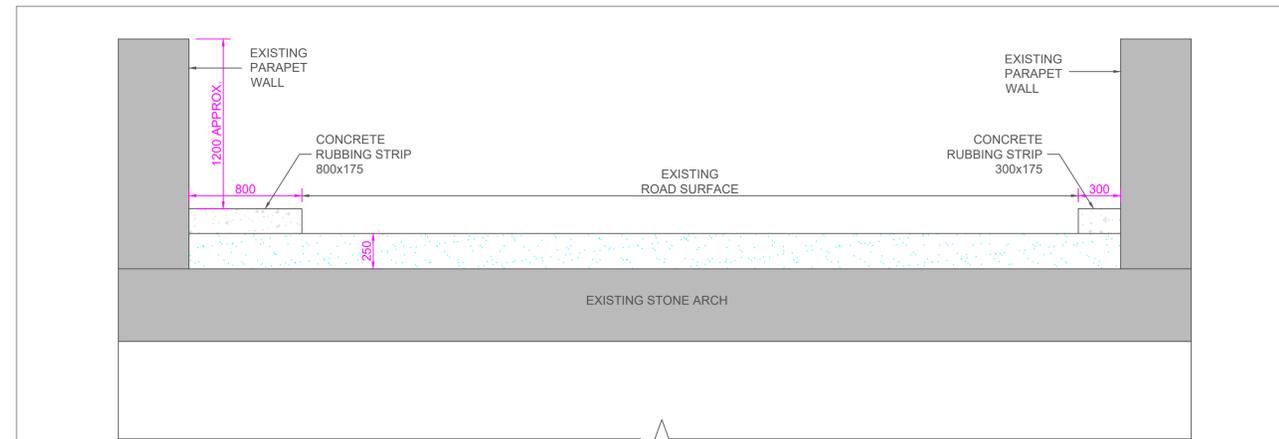
**BRIDGE PLAN (EXISTING)**  
SCALE 1:100



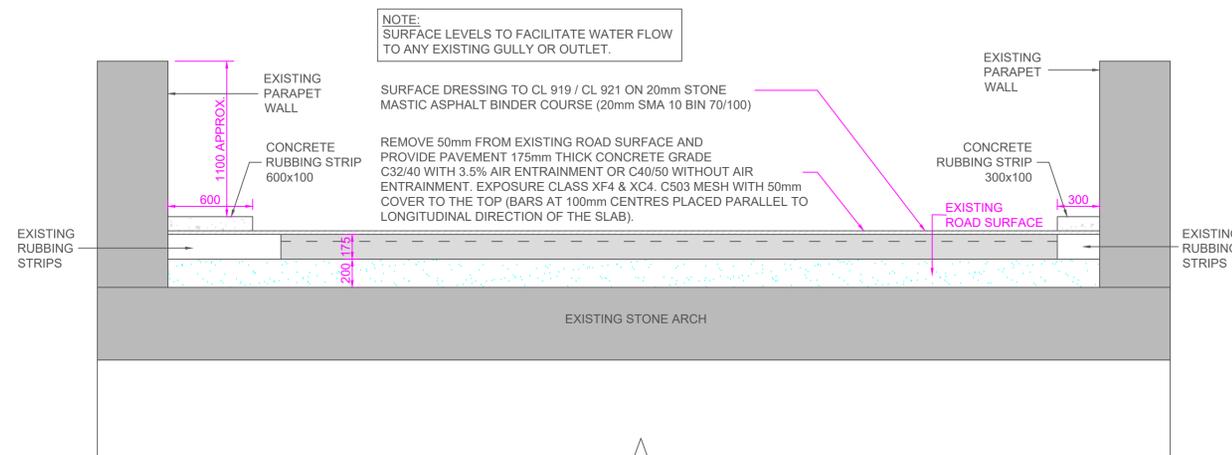
**BRIDGE PLAN (PROPOSED)**  
SCALE 1:100



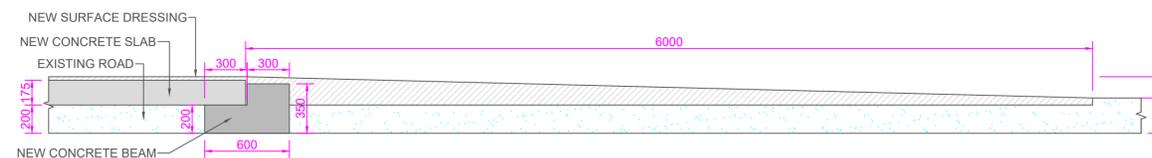
**SECTION 1-1**  
SCALE 1:100



**SECTION 2-2 (EXISTING)**  
SCALE 1:25



**SECTION 2-2 (PROPOSED)**  
SCALE 1:25



**SECTION 3-3 (PROPOSED)**  
SCALE 1:25

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Prepared by:

Galetech Energy Services,  
Clondargan,  
Stradone,  
Co. Cavan

Client:

**White Hill Wind Limited**

Job Title:

**White Hill Wind Farm**

Drawing Title:

**Figure 12: Bridge Upgrade Detail**

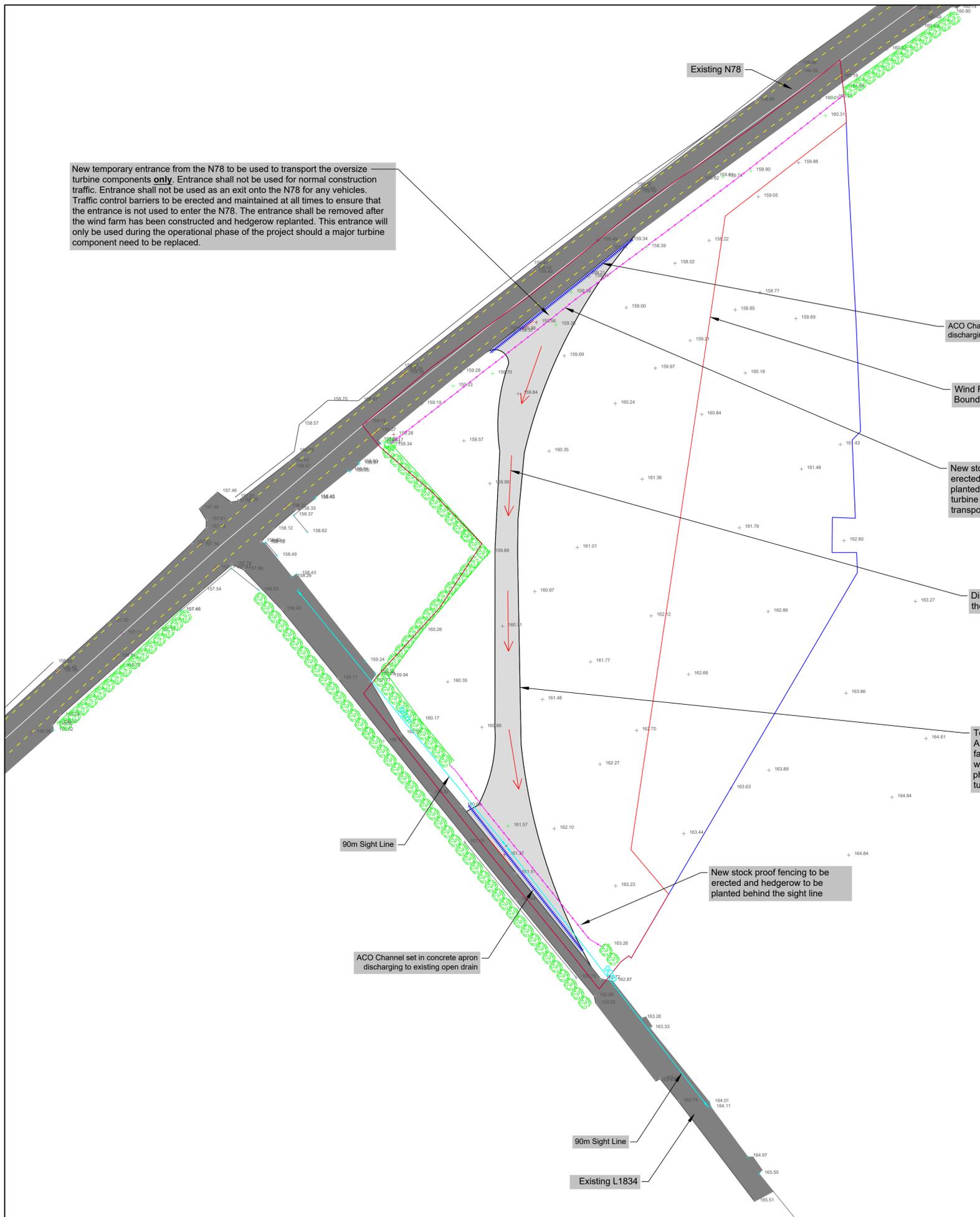
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| C.M.P     | J.B         | S.C.          |



New temporary entrance from the N78 to be used to transport the oversize turbine components **only**. Entrance shall not be used for normal construction traffic. Entrance shall not be used as an exit onto the N78 for any vehicles. Traffic control barriers to be erected and maintained at all times to ensure that the entrance is not used to enter the N78. The entrance shall be removed after the wind farm has been constructed and hedgerow replanted. This entrance will only be used during the operational phase of the project should a major turbine component need to be replaced.



ACO Channel set in concrete apron discharging to existing open drain

Wind Farm Application Boundary

New stock proof fencing to be erected and hedgerow to be planted after the oversize turbine components have been transported to site

Direction of travel for the vehicles carrying the oversize turbine components

Temporary wind farm access track - Area to be re-vegetated after the wind farm has been constructed. This area will only be used during the operational phase of the project should a major turbine component need to be replaced

New stock proof fencing to be erected and hedgerow to be planted behind the sight line

90m Sight Line

ACO Channel set in concrete apron discharging to existing open drain

90m Sight Line

Existing L1834

**SIGHT VISIBILITY SPLAYS on the L1834**  
 Provide Sight Visibility Splays of 2.5m x 90m in both directions. Sight Visibility Splays to be cleared of all obstacles so as to provide a clear Envelope of Visibility when measured from Drivers eye level, (1.05m), at a point along the centre line of the entrance and 2.5m back from the carriageway edge of the major road to a point 0.26m high on the nearside carriageway and 90m from the centreline of the new access in both directions.  
 Any existing hedges removed to provide Sight Visibility Splays shall be replaced by replanting with selected native species. New hedges to be replanted a minimum of 2m behind Sight Visibility Splays in order to allow for future growth.  
 Note: All new & existing drainage ditches, requiring piping shall be piped using minimum 225mm diameter T/W PVC pipe and back filled with 38mm-50mm clean stone  
 All surface water shall be discharged to the existing drainage ditches.

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Prepared by:



Galetech Energy Services,  
 Clondargan,  
 Stradone,  
 Co. Cavan

Client:

**White Hill Wind Ltd**

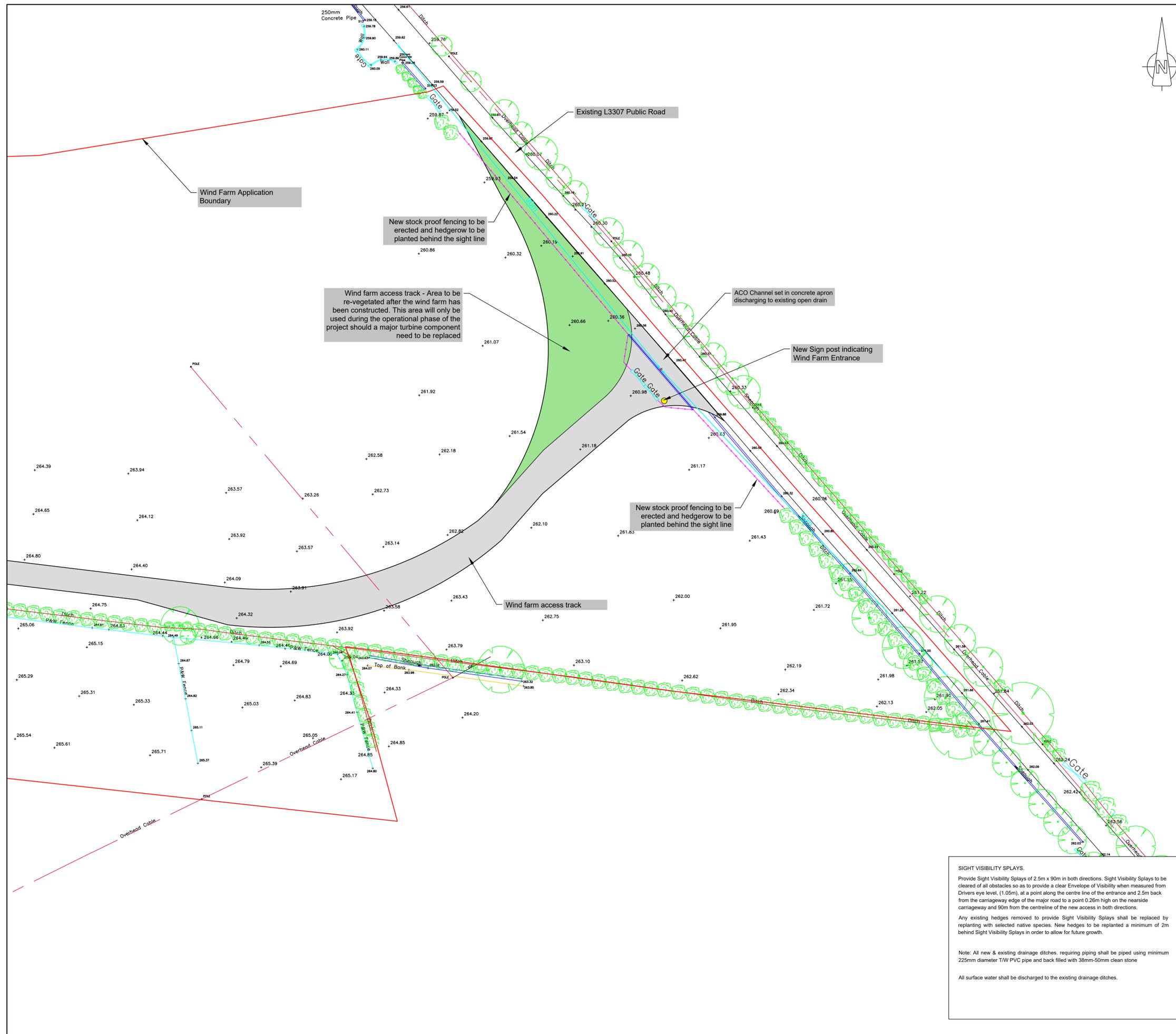
Job Title:

**White Hill Wind Farm**

Drawing Title:

**Figure 13: Site Entrance on N78 & L1834**

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| Drawing No.: | WTH_PAS_GA_005 | Revision No.: | Rev00      |
| Scale:       | (A1) 1: 600    | Date:         | 30/10/2022 |
| Drawn By:    | C.M.P          | Checked By:   | J.B        |
|              |                | Confirmed By: | S.C        |



**SIGHT VISIBILITY SPLAYS.**  
 Provide Sight Visibility Splays of 2.5m x 90m in both directions. Sight Visibility Splays to be cleared of all obstacles so as to provide a clear Envelope of Visibility when measured from Drivers eye level, (1.05m), at a point along the centre line of the entrance and 2.5m back from the carriageway edge of the major road to a point 0.28m high on the nearside carriageway and 90m from the centreline of the new access in both directions.  
 Any existing hedges removed to provide Sight Visibility Splays shall be replaced by replanting with selected native species. New hedges to be replanted a minimum of 2m behind Sight Visibility Splays in order to allow for future growth.

Note: All new & existing drainage ditches, requiring piping shall be piped using minimum 225mm diameter T/W PVC pipe and back filled with 38mm-50mm clean stone  
 All surface water shall be discharged to the existing drainage ditches.

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Prepared by:



Galetech Energy Services,  
 Clondargan,  
 Stradone,  
 Co. Cavan

Client:

**White Hill Wind Ltd**

Job Title:

**White Hill Wind Farm**

Drawing Title:

**Figure 14: Site Entrance on L3307**

|                |               |               |
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| Drawing No.:   | Revision No.: |               |
| WTH_PAS_GA_006 | Rev00         |               |
| Scale:         | Date:         |               |
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| C.M.P          | J.B           | S.C           |

