

## **Appendix 2C**

### **Turbine Delivery Route Report**

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# **TURBINE DELIVERY ROUTE REPORT**

**Ballinlee Wind Farm**

**Ballinlee Green Energy Limited.**

**September 2025**

## Contents

|     |                                         |    |
|-----|-----------------------------------------|----|
| 1.  | Introduction .....                      | 1  |
| 1.1 | Development Description .....           | 1  |
| 1.2 | Scope of this Report .....              | 2  |
| 1.3 | Site Location .....                     | 2  |
| 2.  | Turbine Delivery Route Assessment ..... | 3  |
| 2.1 | Route Description .....                 | 3  |
| 2.2 | Watercourse Crossings .....             | 5  |
| 2.3 | Delivery Vehicle Types .....            | 9  |
| 2.4 | Swept Path Analysis .....               | 12 |
| 2.5 | Enabling Works .....                    | 13 |
| 2.6 | Tullovin Bridge .....                   | 23 |
| 3.  | Recommendations .....                   | 23 |
| 4.  | Conclusions .....                       | 23 |

## Tables

|                                                                    |    |
|--------------------------------------------------------------------|----|
| Table 1-1: Characteristics of the Proposed Project .....           | 1  |
| Table 2-1: Watercourse Crossings .....                             | 6  |
| Table 2-2: Overview of Turbine Delivery Route Enabling Works ..... | 13 |

## Figures

|                                                                                                               |    |
|---------------------------------------------------------------------------------------------------------------|----|
| Figure 1-1: Proposed Wind Farm Location .....                                                                 | 2  |
| Figure 2-1: Proposed Turbine Delivery Route .....                                                             | 4  |
| Figure 2-2: Existing Watercourse Crossing Locations on Proposed Turbine Delivery Route from Croom .....       | 5  |
| Figure 2-3: Blade lifter trailer with blade tilted to 60° to the horizontal .....                             | 10 |
| Figure 2-4: Blade lifter trailers in convoy transitioning from tilted to lowered to avoid overhead line ..... | 10 |
| Figure 2-5: Bogie type tower transporter .....                                                                | 11 |
| Figure 2-6: Semi low-loader type tower transporter .....                                                      | 11 |
| Figure 2-7: Blade Lifter Trailer with 68m long blade in Horizontal Configuration .....                        | 12 |
| Figure 2-8: Swept Path Analysis Legend .....                                                                  | 12 |
| Figure 2-9: Extract from the planning drawings showing the Tullovin Temp Access track .....                   | 23 |

## Appendices

Appendix 1 – Turbine Delivery Route Drawings

| Project No. | Doc. No.                  | Rev. | Date       | Prepared By | Checked By | Approved By | Status |
|-------------|---------------------------|------|------------|-------------|------------|-------------|--------|
| 22635       | 22635-MWP-XX-XX-RP-C-6001 | P01  | 23/09/2025 | CMcL        | PC         | KF          | Final  |

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1. Introduction

1.1 Development Description

Ballinlee Green Energy Ltd (the Applicant) propose to develop a wind farm (named Ballinlee Wind Farm) comprising seventeen (17) No. wind turbines located on privately-owned predominantly agricultural lands in east County Limerick.

The wind farm site under consideration is located within the townlands of Ballincurra, Ballinlee South, Ballingayrour, Ballinrea, Knockuregare, Ballinlee North, Carrigeen and Camas South approximately 18km south of Limerick City and 3km southwest of Bruff, Co. Limerick. The site is situated in a rural area characterised by agricultural holdings and one-off residential dwellings. Some patches of forestry plantation occur within the proposed development and some on neighbouring properties.

Table 1-1 sets out the characteristics of the project elements for which development consent is being sought and all other associated project components.

Table 1-1: Characteristics of the Proposed Project

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Proposed Development for which consent is sought | <p><b>Core Wind Farm Components</b></p> <ul style="list-style-type: none"><li>Seventeen (17) No. wind turbines (turbine tip height of 160m, and 150m (T6)) with associated foundations and crane hardstand areas.</li><li>One (1) No. Permanent Meteorological Mast (92m height) and associated foundation, hardstand area and ancillary main crane hardstand area.</li><li>One (1) No. Electrical Substation (110kV) including Eirgrid compound, IPP, maintenance compounds, ancillary building, security fencing and all associated works.</li><li>Nine (9) No. site entrances.</li><li>New and upgraded internal site service tracks (approximately 10.8km of new internal access tracks to be constructed).</li><li>New clear span bridge over the Morningstar River.</li><li>Underground electric collector cable systems between turbines within the wind farm site.</li><li>Underground electric cabling systems between the wind farm site and connection point at existing Killonan 220/110kV substation.</li></ul> <p><b>Associated Components of the Proposed Development</b></p> <ul style="list-style-type: none"><li>New temporary access track via R-516 to facilitate turbine delivery route located in the townland of Tullovin.</li><li>Three (3) No. temporary construction site compounds (one approximately 95m x 50m and two approximately 55m x 25m).</li><li>Two (2) No. borrow pits to be used as a source of stone material during construction and for storage of excess excavated materials.</li><li>Nine (9) No. permanent deposition areas and Two (2) No. temporary deposition areas.</li><li>Associated surface water management systems.</li><li>Tree felling required for wind farm infrastructure.</li></ul> |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Other Associated  
Project  
Components

- Whooper Swan Management Area
- Habitat Enhancement Areas
- Landscaping, fencing and all associated works.

### 1.2 Scope of this Report

The purpose of the Turbine Delivery Route Report is to identify any potential pinch points along the wind turbine component delivery route where works will be required to facilitate delivery of the turbine components. The report should be read in conjunction with the drawings included as **Appendix 1**.

### 1.3 Site Location

The proposed development is located in a rural area of east Limerick approximately 18km south of Limerick City and 3km southwest of Bruff. **Figure 1-1**: outlines the location of the proposed development indicating the proposed main wind farm development site boundary included in the planning application.

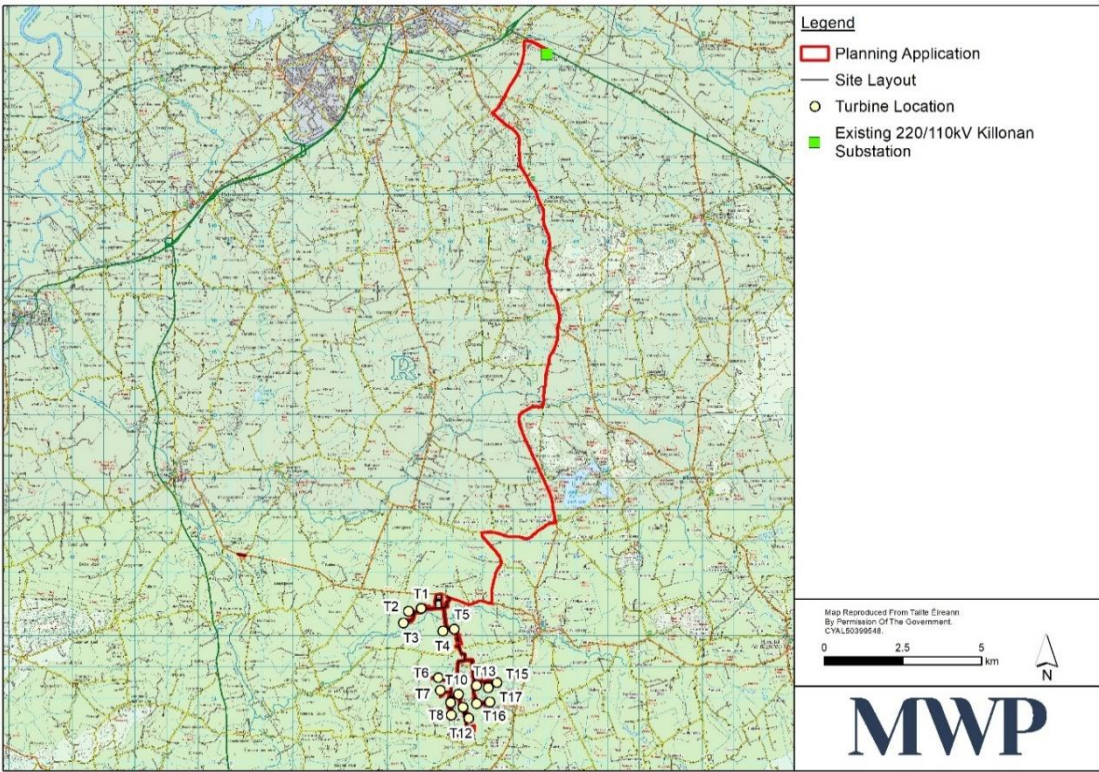


Figure 1-1: Proposed Wind Farm Location

## 2. Turbine Delivery Route Assessment

### 2.1 Route Description

The proposed route to deliver wind turbine components from the port at Foynes Co. Limerick to the proposed Ballinlee wind farm site entrance in Co. Limerick is shown on the drawings included as **Appendix 1**. A description of the proposed route, is provided below, and an overview of the proposed route is shown in **Figure 2-1**.

#### Proposed Wind Turbine Component Delivery Route:

- Depart Foynes Port turn left onto the N69.
- Travel along the N69 as far as the N18/N69 junction, junction #2: Dock Road.
- Exit the junction and travel east onto the N18.
- Travel along the N18 as far as the N18/M7/M20 junction, junction #3.
- Exit the junction and travel southwest onto the M20.
- Travel along the M20 as far as the M20/N21/R526 junction, junction #5: Cork.
- Exit the junction and travel south onto the N20.
- Travel along the N20 as far as the N20/R516 junction, Croom exit.
- Exit the junction and travel through Croom on the R516.
- Travel along the R516 southeast as far the R516/R511 junction.
- Continue through the junction along the R516 for approximately 2.85km.
- Turn right at the site entrance.

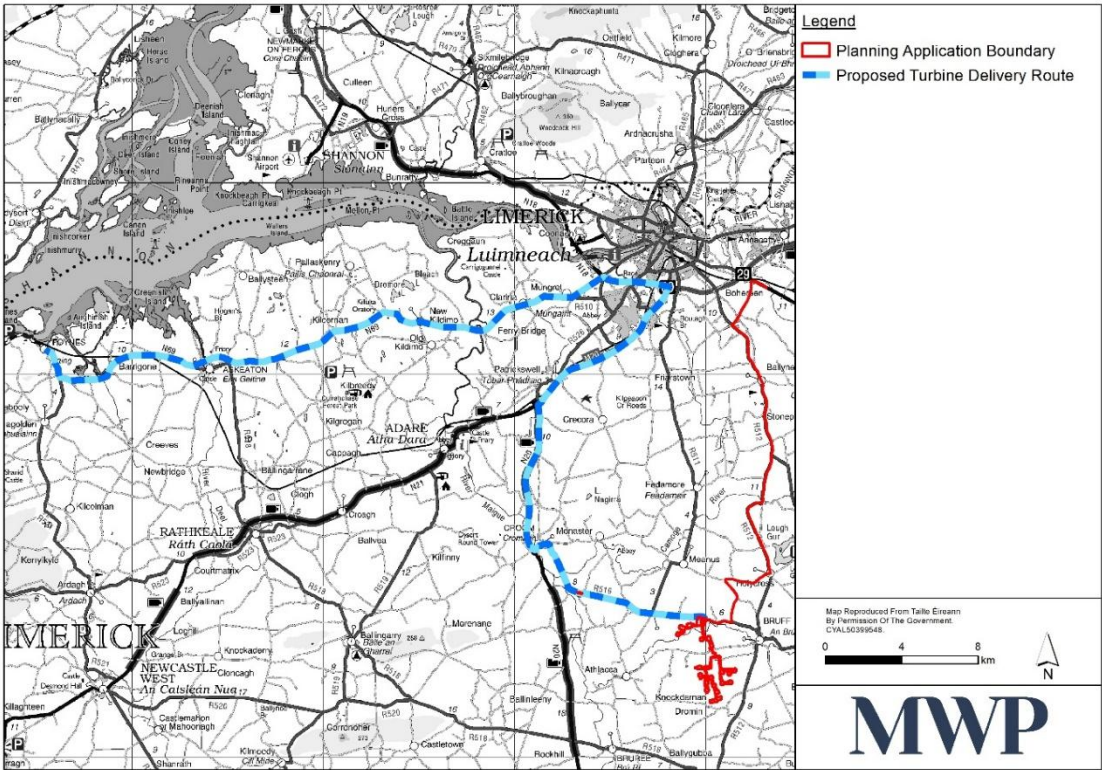


Figure 2-1: Proposed Turbine Delivery Route

2.2 Watercourse Crossings

The proposed route to deliver wind turbine components from the port at Foynes Co. Limerick to the proposed Ballinlee wind farm site entrance in Co. Limerick is shown in **Figure 2-1** above. It should be noted that the section from Foynes to Croom has been used as a turbine delivery route for other wind farms with similar turbine components. The section of the turbine delivery route from Croom to the proposed Ballinlee wind farm entrance crosses five (5 no.) watercourses. **Figure 2-2:** shows the watercourse crossings on the regional and local roads from Croom. Further information on the watercourse crossings is provided in **Table 2-1**.

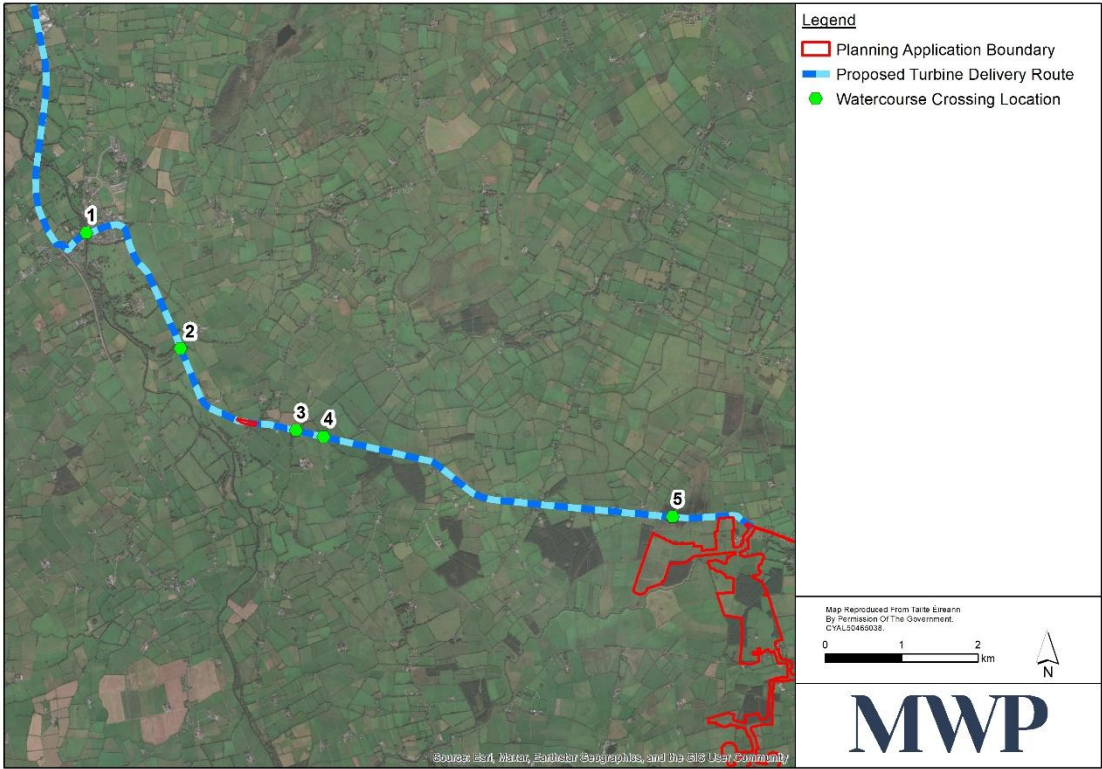
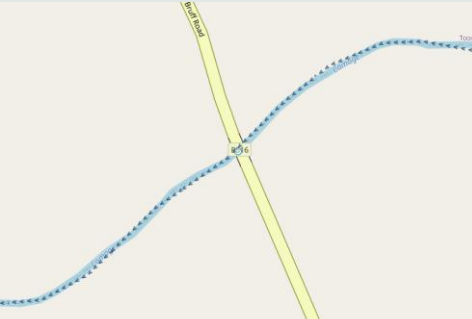


Figure 2-2: Existing Watercourse Crossing Locations on Proposed Turbine Delivery Route from Croom

Table 2-1: Watercourse Crossings

| Watercourse crossing # | ITM (x) | ITM (y) | Crossing Type | Description       | Private Land Required | Site Photo                                                                           | EPA                                                                                  |
|------------------------|---------|---------|---------------|-------------------|-----------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1                      | 551235  | 641079  | Bridge        | Six Arch Bridge   | N                     |   |   |
| 2                      | 552457  | 639573  | Bridge        | Three Arch Bridge | N                     |  |  |

| Watercourse crossing # | ITM (x) | ITM (y) | Crossing Type | Description                  | Private Land Required | Site Photo                                                                           | EPA                                                                                  |
|------------------------|---------|---------|---------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 3                      | 553971  | 638498  | Culvert       | Single Span Concrete Culvert | N                     |   |   |
| 4                      | 554356  | 638411  | Culvert       | Single Span Concrete Culvert | N                     |  |  |

| Watercourse crossing # | ITM (x) | ITM (y) | Crossing Type | Description                     | Private Land Required | Site Photo                                                                          | EPA                                                                                 |
|------------------------|---------|---------|---------------|---------------------------------|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 5                      | 558902  | 637368  | Bridge        | Single Span Masonry Arch Bridge | N                     |  |  |

## 2.3 Delivery Vehicle Types

The longest and usually most onerous components to be delivered to the proposed site are the wind turbine blades. There are generally two truck-and-trailer configurations employed to transport wind turbine blades from port to site: extendable trailer or blade lifting trailer.

On an extendable trailer each turbine blade is transported in a horizontal position. The axles on the trailer can be steered allowing the trailer to navigate bends and reducing the swept path of the delivery vehicle.

There are several manufacturers of these types of extendable trailer including:

- Nootboom Tele trailers <https://www.nootboom.com/cat/teletrailers/>
- Broshius Platform Trailers <https://www.broshuis.com/home/producten/vlakke-oplegger.html>

Blade lifting trailers have the capacity to transport wind turbine blades in a horizontal position or inclined at angles of up to 60° from the horizontal. A blade lifter trailer with a blade tilted to 60 degrees is shown in **Figure 2-3:** below. The ability to transport the blades in an inclined position allows for increased capacity to negotiate tight bends and junctions without modification to the public road network which would otherwise be required when employing an extendable blade transport trailer. An important consideration of transporting lifted blades are overhead obstructions such as overhead utilities and bridges. Where these overhead obstructions are encountered, it is necessary to lower the blade to a horizontal position until the delivery vehicle has passed under the obstruction or temporarily relocate/bury overhead utilities. An illustration of three blade lifter trailers travelling in convoy while the blades are being transitioned from inclined to almost horizontal positions to safely pass under an overhead line is shown in **Figure 2-4:**.

There are several manufacturers of blade lifter trailers including:

- Scheurele G4 Blade Lifter <https://www.tii-group.com/tii-scheuerle/our-solutions/spmt/scheuerle-bladelifter>; and
- Goldhofer Blade Lifter Trailer <https://www.goldhofer.com/en/special-applications/ftv-850>.



**Figure 2-3: Blade lifter trailer with blade tilted to 60° to the horizontal**



**Figure 2-4: Blade lifter trailers in convoy transitioning from tilted to lowered to avoid overhead line**

Another important consideration for the route assessment is the standard delivery clearance area for manufacturers of this class of turbine which would typically be 6m wide. When road alignments are straight the blade delivery truck is not the most onerous in terms of width and height. For some turbines, as an example the Vestas V136, the height or width of the tower sections and the nacelle can be limiting. The bottom tower section is likely to have a bottom flange diameter of up to 4.5m. A maximum load height of 5m has been assumed for the tower sections to allow for ground and overhead clearance.

There are generally two methods of transporting wind turbine tower sections:

- The clamp method using self-tracking bogies such as manufactured by Goldhofer shown in **Figure 2-5**;
- The stepped Semi Low-loader manufactured by Nooteboom and Broshius among others and shown in **Figure 2-6**.



**Figure 2-5: Bogie type tower transporter**



**Figure 2-6: Semi low-loader type tower transporter**

2.4 Swept Path Analysis

A vehicle swept path analysis (SPA) of a 68.0m blade on a vehicle with an overall length of 60.260m (truck only) was completed using Autodesk® Vehicle Tracking software. Analysis from aerial photography, topographical survey, GIS and information from site visits for the proposed route highlighted pinch points that required a vehicle tracking model. The profiles of the blade lifter delivery vehicle outlined in **Figure 2-7** were utilised for this turbine delivery route assessment, assessing the blade in the horizontal position.

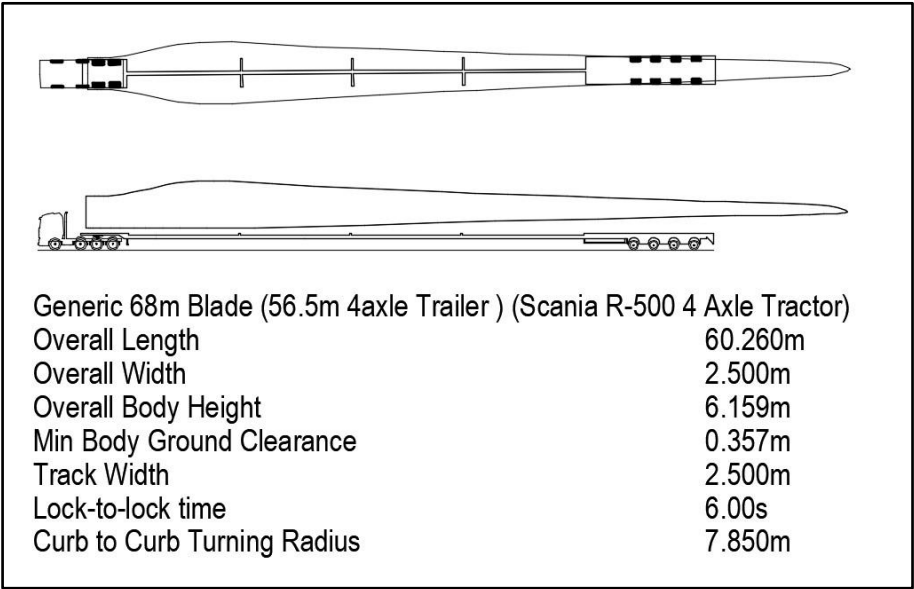


Figure 2-7: Blade Lifter Trailer with 68m long blade in Horizontal Configuration

An automatic steering principle within the software was used where possible but otherwise a manual override system is used with a conservative maximum steering angle of 30° to help alter the path of the bogie past constraints at pinch points. The Swept Path Analysis output is illustrated in the drawings included in **Appendix 1**. The coloured lines of the swept path analysis represent different elements of the delivery vehicle (see **Figure 2-8**).



Figure 2-8: Swept Path Analysis Legend

They show the extents of the wheel swept path, vehicle body swept path and blade swept path as the delivery truck manoeuvres around each pinch point. This information highlights areas that require widening or clearance along the route. See **Table 2-2** for an overview of works required to public roads along the turbine delivery route.

2.5 Enabling Works

The pinch points assessed as part of the Turbine Delivery Route Assessment and the enabling works required at each pinch point for the proposed Ballinlee Wind Farm are summarised in the following table.

Table 2-2: Overview of Turbine Delivery Route Enabling Works

| Ref # | Swept Path<br>Drawing<br>Number | Description of Location                                          | Description of Enabling Works                                                                                                                                                                                                                       | Street view photo of site location                                                   |
|-------|---------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1     | 22635-MWP-HR-00-DR-C-0010       | Junction of Dock Road L6188 with N69 in Corrig facing south-west | <ul style="list-style-type: none"><li>• Hedge/vegetation trimming required</li><li>• Six number street signs to be removed.</li><li>• Limerick City &amp; County Council and Transport Infrastructure Ireland consultation for the works.</li></ul> |  |

| Ref # | Swept Drawing Number      | Path | Description of Location                           | Description of Enabling Works                                                                                                                                                                                                                                                                                   | Street view photo of site location                                                   |
|-------|---------------------------|------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 2     | 22635-MWP-HR-00-DR-C-0011 |      | N69 Ferry Bridge over the River Mague facing east | <ul style="list-style-type: none"> <li>• Vertical profile of bridge to be determined prior to delivery. However, it should be noted that the route has been previously used before for the delivery of similar turbine components.</li> </ul>                                                                   |   |
| 3     | 22635-MWP-HR-00-DR-C-0012 |      | N69 Clarina Roundabout in Ballybrown facing east  | <ul style="list-style-type: none"> <li>• Two number street signs to be removed.</li> <li>• Planter boxes to be removed/relocated.</li> <li>• Temporary access track surface required.</li> <li>• Limerick City &amp; County Council and Transport Infrastructure Ireland consultation for the works.</li> </ul> |  |

| Ref # | Swept Drawing Number      | Path | Description of Location                                       | Description of Enabling Works                                                                                                                                                                                                                                                                                                                                      | Street view photo of site location                                                   |
|-------|---------------------------|------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 4     | 22635-MWP-HR-00-DR-C-0013 |      | N69 Dock Road West Roundabout in Bunlicky facing north-east   | <ul style="list-style-type: none"> <li>•Two number street signs to be removed.</li> <li>•Temporary access track surface required</li> <li>•City &amp; County Council and Transport Infrastructure Ireland consultation for the works.</li> </ul>                                                                                                                   |   |
| 5     | 22635-MWP-HR-00-DR-C-0013 |      | N69 Dock Road East Roundabout in Ballykeefe facing north-east | <ul style="list-style-type: none"> <li>•Three number street signs to be removed.</li> <li>•One number light pole to be removed.</li> <li>•Tree/Hedge trimming and/or removal required.</li> <li>•Temporary access track surface required.</li> <li>•Limerick City &amp; County Council and Transport Infrastructure Ireland consultation for the works.</li> </ul> |  |

| Ref # | Swept Drawing Number      | Path | Description of Location                                                                    | Description of Enabling Works                                                                                                                                                                                                                            | Street view photo of site location                                                   |
|-------|---------------------------|------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 6     | 22635-MWP-HR-00-DR-C-0014 |      | 1 <sup>st</sup> exit off the N18 at the M7/N18/M20 junction in Rossbrien facing north-east | <ul style="list-style-type: none"> <li>•Verge strengthening required.</li> <li>• Limerick City &amp; County Council and Transport Infrastructure Ireland consultation for the works.</li> </ul>                                                          |   |
| 7     | 22635-MWP-HR-00-DR-C-0015 |      | 5 <sup>th</sup> exit off the M20 in junction with N21/R526 in Attyflin facing south-west   | <ul style="list-style-type: none"> <li>• Four number street signs to be removed.</li> <li>• Hedge/vegetation trimming required</li> <li>• Limerick City &amp; County Council and Transport Infrastructure Ireland consultation for the works.</li> </ul> |  |

| Ref # | Swept Drawing Number      | Path | Description of Location                          | Description of Enabling Works                                                                                                                                                                                                                                                                                                                                        | Street view photo of site location                                                   |
|-------|---------------------------|------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 8     | 22635-MWP-HR-00-DR-C-0016 |      | N20 Croom Exit facing south-east                 | <ul style="list-style-type: none"> <li>• One number street signs to be removed.</li> <li>• Three number light poles to be removed.</li> <li>• Hedge/vegetation trimming required.</li> <li>• Verge strengthening required.</li> <li>• Limerick City &amp; County Council and Transport Infrastructure Ireland consultation for the works.</li> </ul>                 |   |
| 9     | 22635-MWP-HR-00-DR-C-0016 |      | Croom Roundabout onto the R516 facing south-east | <ul style="list-style-type: none"> <li>• Seven number street signs to be removed.</li> <li>• Two number light poles to be removed.</li> <li>• Flower beds/Hedge trimming and/or removal required.</li> <li>• Verge strengthening required.</li> <li>• Limerick City &amp; County Council and Transport Infrastructure Ireland consultation for the works.</li> </ul> |  |

| Ref # | Swept Drawing Number      | Path | Description of Location                                                                                  | Description of Enabling Works                                                                                                                                                                                                                                            | Street view photo of site location                                                   |
|-------|---------------------------|------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 10    | 22635-MWP-HR-00-DR-C-0017 |      | 3 <sup>rd</sup> junction on the R516 in Croom facing north-east                                          | <ul style="list-style-type: none"> <li>• One number street signs to be removed.</li> <li>• One number light pole to be removed.</li> <li>• Temporary access over footpath required.</li> <li>• Limerick City &amp; County Council consultation for the works.</li> </ul> |   |
| 11    | 22635-MWP-HR-00-DR-C-0018 |      | 5 <sup>th</sup> junction on the R516 where L1478 and Cois Má Avenue intersect in Croom facing north-east | <ul style="list-style-type: none"> <li>• One number bollard to be removed.</li> <li>• One number light pole to be removed.</li> <li>• Temporary access over footpath required.</li> <li>• Limerick City &amp; County Council consultation for the works.</li> </ul>      |  |

| Ref # | Swept Drawing Number      | Path | Description of Location                                                        | Description of Enabling Works                                                                                                                                                                                             | Street view photo of site location                                                   |
|-------|---------------------------|------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 12    | 22635-MWP-HR-00-DR-C-0019 |      | Bend in the road around Croom United FC on the R516 in Croom facing east       | <ul style="list-style-type: none"> <li>• Verge strengthening required.</li> <li>• Flower beds/Hedge trimming and/or removal required</li> <li>• Limerick City &amp; County Council consultation for the works.</li> </ul> |   |
| 13    | 22635-MWP-HR-00-DR-C-0020 |      | R516 crosses the River Camoge onto Clogghanduff Bridge in Tooreen facing south | <ul style="list-style-type: none"> <li>• Verge strengthening required.</li> <li>• Limerick City &amp; County Council consultation for the works.</li> </ul>                                                               |  |

| Ref # | Swept Drawing Number      | Path | Description of Location                                                      | Description of Enabling Works                                                                                                                                                                                                                                                                                                                                                         | Street view photo of site location                                                   |
|-------|---------------------------|------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 14    | 22635-MWP-HR-00-DR-C-0021 |      | R516 reaches a junction with L8058 in Tullovin facing south-east             | <ul style="list-style-type: none"> <li>• Hedge / vegetation trimming required</li> <li>• Limerick City &amp; County Council consultation for the works.</li> </ul>                                                                                                                                                                                                                    |   |
| 15    | 22635-MWP-HR-00-DR-C-0022 |      | V-shaped road with two large turns on the R516 in Tullovin facing south-east | <ul style="list-style-type: none"> <li>• One number wall section to be removed.</li> <li>• Hedge/vegetation trimming required.</li> <li>• Temporary access track surface required.</li> <li>• Landowner permission in place for works removing walls, access track, vegetation removal/trimming.</li> <li>• Limerick City &amp; County Council consultation for the works.</li> </ul> |  |

| Ref # | Swept Drawing Path        | Description of Location                                            | Description of Enabling Works                                                                                                                                    | Street view photo of site location                                                   |
|-------|---------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 16    | 22635-MWP-HR-00-DR-C-0023 | R516 intersects Ballintaw Road in Ballintaw facing east            | <ul style="list-style-type: none"> <li>• Hedge/vegetation trimming required</li> <li>• Limerick City &amp; County Council consultation for the works.</li> </ul> |   |
| 17    | 22635-MWP-HR-00-DR-C-0024 | R516 heading east passing Lynchpin cottage in Carrigen/Camas North | <ul style="list-style-type: none"> <li>• Verge strengthening required.</li> <li>• Limerick City &amp; County Council consultation for the works.</li> </ul>      |  |

| Ref # | Swept Drawing Number      | Path | Description of Location                                                          | Description of Enabling Works                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Street view photo of site location                                                  |
|-------|---------------------------|------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 18    | 22635-MWP-HR-00-DR-C-0025 |      | Site entrance is approximately 250m south-east from Lynchpin cottage in Carrigen | <ul style="list-style-type: none"> <li>• One number telecom pole to be removed/relocated.</li> <li>• Two number earth mounds to be removed.</li> <li>• Two number concrete walls to be removed.</li> <li>• Hedge/vegetation trimming required.</li> <li>• Temporary access track surface required.</li> <li>• Temporary widening surface required.</li> <li>• Landowner permission in place for works removing walls, access track, vegetation removal/trimming.</li> <li>• Limerick City &amp; County Council consultation for the works.</li> </ul> |  |

## 2.6 Tullovin Bridge

One section, near Tullovin Bridge, of the turbine delivery route (Ref 15, **Table 2-2**) requires a temporary access track as the swept path analysis highlighted vehicle manoeuvre difficulties at the bridge and the bends either side of the bridge. **Figure 2-9** is an extract from the planning drawing showing the location of the proposed temporary access track. The proposed access track is temporary for the delivery of turbine components and will be reinstated following the construction phase. Details in relation to the works required are outlined in **Chapter 4, Civil Engineering, Section 4.14**.

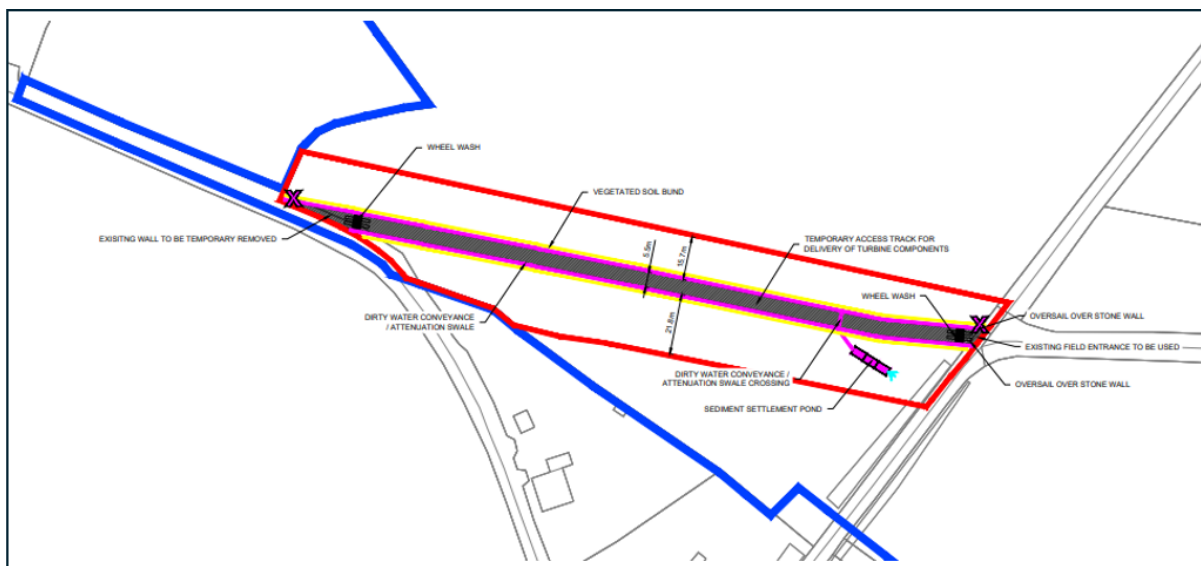


Figure 2-9: Extract from the planning drawings showing the Tullovin Temp Access track

## 3. Recommendations

Prior to commencement of any works and delivery of turbine components to site, a permit for moving abnormal loads to the wind farm site will be sought from An Garda Síochána and the local authority along the haulage route. Discussions with the local council regarding the Adare bypass will take place prior to applying for a permit as elements of the proposed turbine delivery route may be obsolete, inefficient or not preferable to the local authority upon completion of the Adare bypass (route from Foynes Port to Attyflin). A detailed transportation plan with a breakdown of the timing of deliveries will be established at construction stage.

## 4. Conclusions

The swept path analysis of the proposed turbine delivery route has identified areas where component overrun requires works to be completed prior to deliveries occurring. These works have been detailed in drawings as seen in **Appendix 1**. The turbine delivery route is suitable for the delivery of turbine components to the proposed development.

## **Appendix 2C**

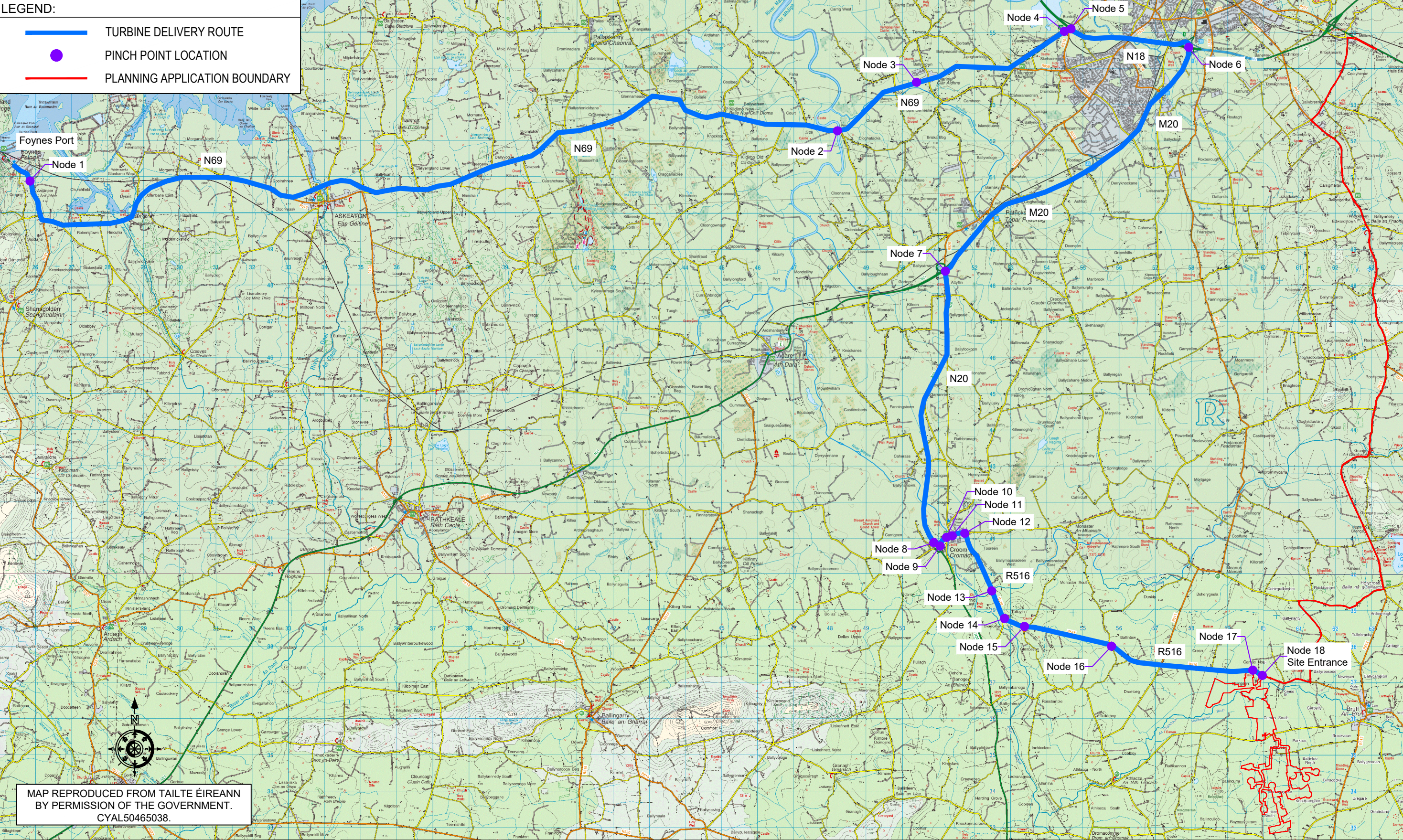
### **Appendix 1 Turbine Delivery Route Drawings**

LEGEND:

TURBINE DELIVERY ROUTE

PINCH POINT LOCATION

PLANNING APPLICATION BOUNDARY



MAP REPRODUCED FROM TAILTE ÉIREANN  
BY PERMISSION OF THE GOVERNMENT.  
CYAL50465038.

|                             |          |                        |    |      |
|-----------------------------|----------|------------------------|----|------|
| P03                         | 11.09.25 | Issued For Information | JK | CMCL |
| P02                         | 06.05.22 | Issued For Information | JK | PC   |
| P01                         | 24.03.22 | Issued For Information | JK | PC   |
| REV                         | DATE     | DESCRIPTION            | BY | APP  |
| CLIENT                      |          |                        |    |      |
| BALLINLEE GREEN ENERGY LTD. |          |                        |    |      |

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|----------|-----------------------|
| PROJECT: | BALLINLEE WIND FARM   |
| TITLE:   | PINCH POINT LOCATIONS |

|                                              |                  |                         |
|----------------------------------------------|------------------|-------------------------|
| DRAWN: JK                                    | CHECKED: CMCL    | APPROVED: PC            |
| PROJECT NUMBER: 22635                        | DATE: March 2022 | SCALE @ A3: 1 : 100,000 |
| STATUS DESCRIPTION: FOR INFORMATION          |                  | STATUS: S2              |
| DRAWING NUMBER: 22635 - MWP -HR-00-DR-C-0002 |                  | REV: P03                |

LEGEND:

BLADE SWEEP PATH

BODY SWEEP PATH

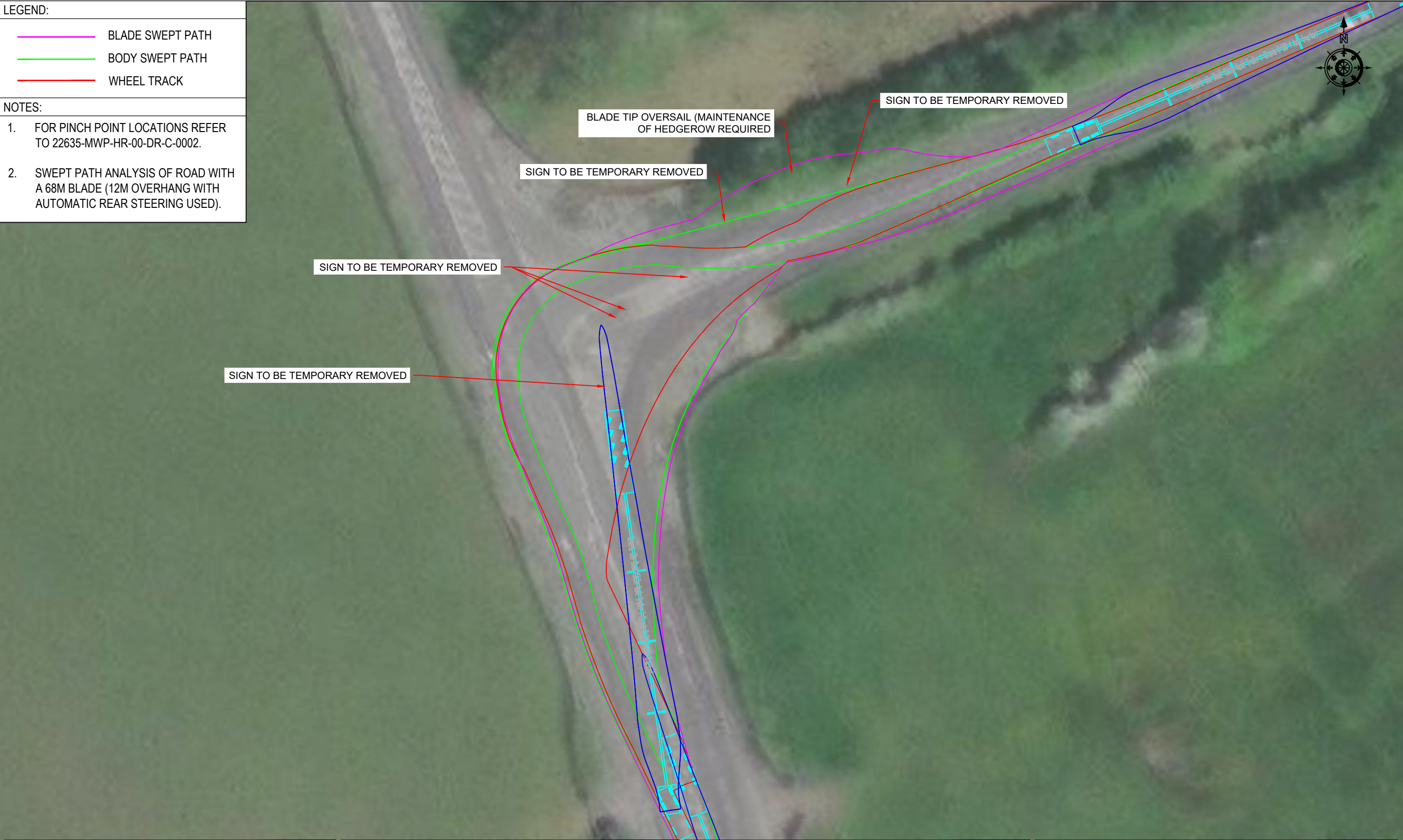
WHEEL TRACK

NOTES:

1.

FOR PINCH POINT LOCATIONS REFER TO 22635-MWP-HR-00-DR-C-0002.

2.

SWEPT PATH ANALYSIS OF ROAD WITH A 68M BLADE (12M OVERHANG WITH AUTOMATIC REAR STEERING USED).

|                             |          |                     |    |      |
|-----------------------------|----------|---------------------|----|------|
|                             |          |                     |    |      |
|                             |          |                     |    |      |
|                             |          |                     |    |      |
| P01                         | 11.09.25 | ISSUED FOR PLANNING | JK | CMCL |
| REV                         | DATE     | DESCRIPTION         | BY | APP  |
| CLIENT                      |          |                     |    |      |
| BALLINLEE GREEN ENERGY LTD. |          |                     |    |      |

MWP

ENGINEERING AND ENVIRONMENTAL CONSULTANTS

CORK | TRALEE | LONDON | LIMERICK

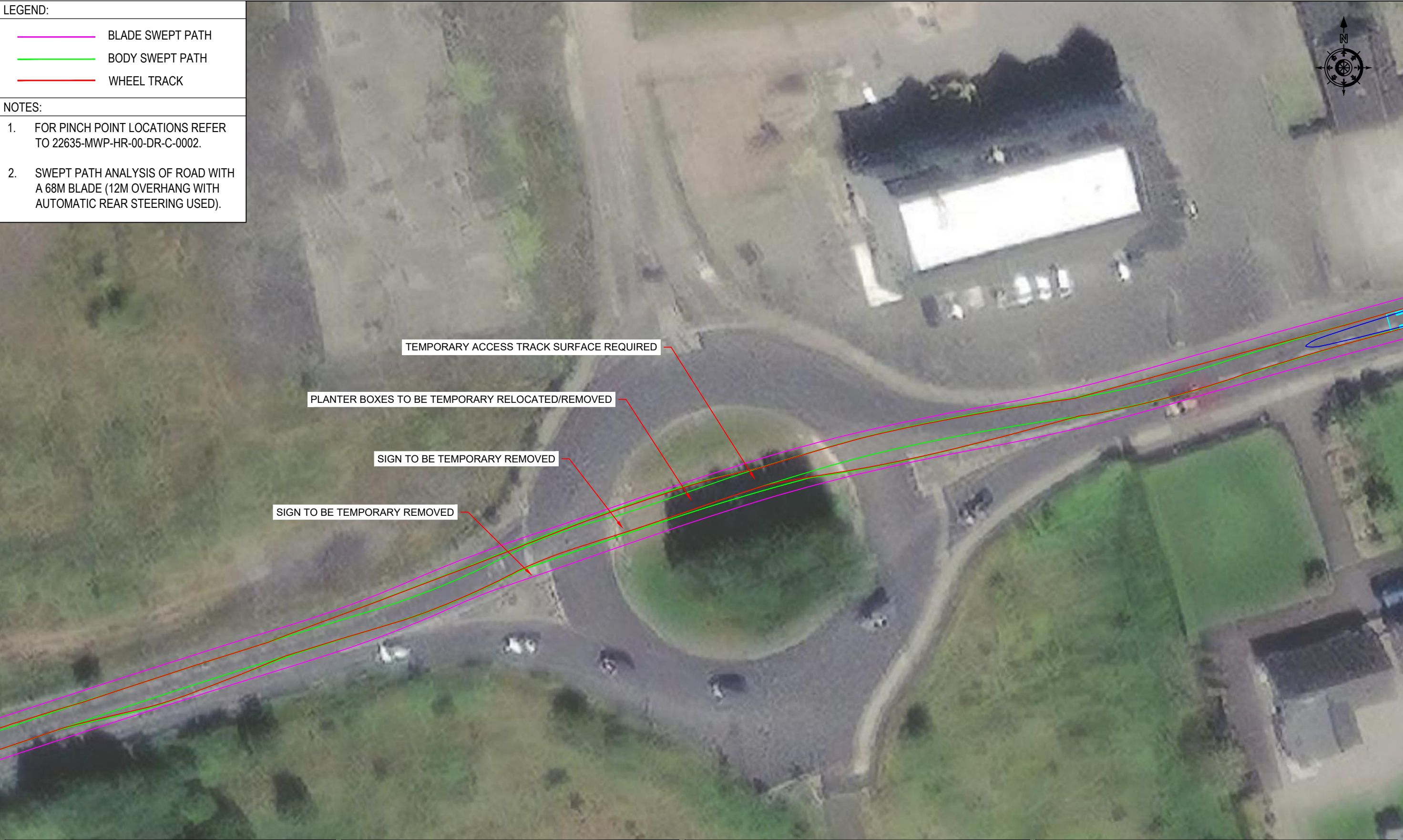
mwp.ie

|                                         |
|-----------------------------------------|
| PROJECT:                                |
| BALLINLEE WIND FARM                     |
| TITLE:                                  |
| SWEPT PATH ANALYSIS<br>PINCH POINT NO.1 |

|                                 |            |             |
|---------------------------------|------------|-------------|
| DRAWN:                          | CHECKED:   | APPROVED:   |
| JK                              | CMCL       | PC          |
| PROJECT NUMBER:                 | DATE:      | SCALE @ A3: |
| 22635                           | March 2025 | 1 : 500     |
| STATUS DESCRIPTION              |            | STATUS:     |
| FOR INFORMATION                 |            | S2          |
| DRAWING NUMBER:                 |            | REV:        |
| 22635 - MWP -HR- 00 -DR-C- 0010 |            | P01         |



|                             |          |                     |  |  |    |                                                                                                                                            |                                         |                 |                    |            |          |             |           |  |
|-----------------------------|----------|---------------------|--|--|----|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------|--------------------|------------|----------|-------------|-----------|--|
|                             |          |                     |  |  |    | <div><div>MWP</div><div>ENGINEERING AND ENVIRONMENTAL CONSULTANTS</div><div>CORK   TRALEE   LONDON   LIMERICK</div><div>mwp.ie</div></div> | PROJECT:                                |                 | DRAWN:             |            | CHECKED: |             | APPROVED: |  |
|                             |          |                     |  |  |    |                                                                                                                                            | BALLINLEE WIND FARM                     |                 | JK                 |            | CMCL     |             | PC        |  |
| P01                         | 11.09.25 | ISSUED FOR PLANNING |  |  | JK |                                                                                                                                            | CMCL                                    | PROJECT NUMBER: |                    | DATE:      |          | SCALE @ A3: |           |  |
| REV                         | DATE     | DESCRIPTION         |  |  | BY |                                                                                                                                            | APP                                     | 22635           |                    | March 2025 |          | 1 : 500     |           |  |
| CLIENT                      |          |                     |  |  |    |                                                                                                                                            | TITLE:                                  |                 | STATUS DESCRIPTION |            |          | STATUS:     |           |  |
| BALLINLEE GREEN ENERGY LTD. |          |                     |  |  |    |                                                                                                                                            | SWEPT PATH ANALYSIS<br>PINCH POINT NO.2 |                 | FOR INFORMATION    |            |          | S2          |           |  |
|                             |          |                     |  |  |    |                                                                                                                                            | DRAWING NUMBER:                         |                 |                    | REV:       |          |             |           |  |
|                             |          |                     |  |  |    |                                                                                                                                            | 22635 - MWP -HR- 00 -DR-C- 0011         |                 |                    | P01        |          |             |           |  |



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|                             |          |                     |    |      |
|                             |          |                     |    |      |
|                             |          |                     |    |      |
| P01                         | 11.09.25 | ISSUED FOR PLANNING | JK | CMCL |
| REV                         | DATE     | DESCRIPTION         | BY | APP  |
| CLIENT                      |          |                     |    |      |
| BALLINLEE GREEN ENERGY LTD. |          |                     |    |      |

|                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------|
| <div>MWP</div> <div>ENGINEERING AND ENVIRONMENTAL CONSULTANTS</div> <div>CORK   TRALEE   LONDON   LIMERICK</div> <div>mwp.ie</div> |
|------------------------------------------------------------------------------------------------------------------------------------|

|                                         |
|-----------------------------------------|
| PROJECT:                                |
| BALLINLEE WIND FARM                     |
| TITLE:                                  |
| SWEPT PATH ANALYSIS<br>PINCH POINT NO.3 |

|                                 |            |             |
|---------------------------------|------------|-------------|
| DRAWN:                          | CHECKED:   | APPROVED:   |
| JK                              | CMCL       | PC          |
| PROJECT NUMBER:                 | DATE:      | SCALE @ A3: |
| 22635                           | March 2025 | 1 : 500     |
| STATUS DESCRIPTION              |            | STATUS:     |
| FOR INFORMATION                 |            | S2          |
| DRAWING NUMBER:                 |            | REV:        |
| 22635 - MWP -HR- 00 -DR-C- 0012 |            | P01         |

LEGEND:

BLADE SWEEP PATH

BODY SWEEP PATH

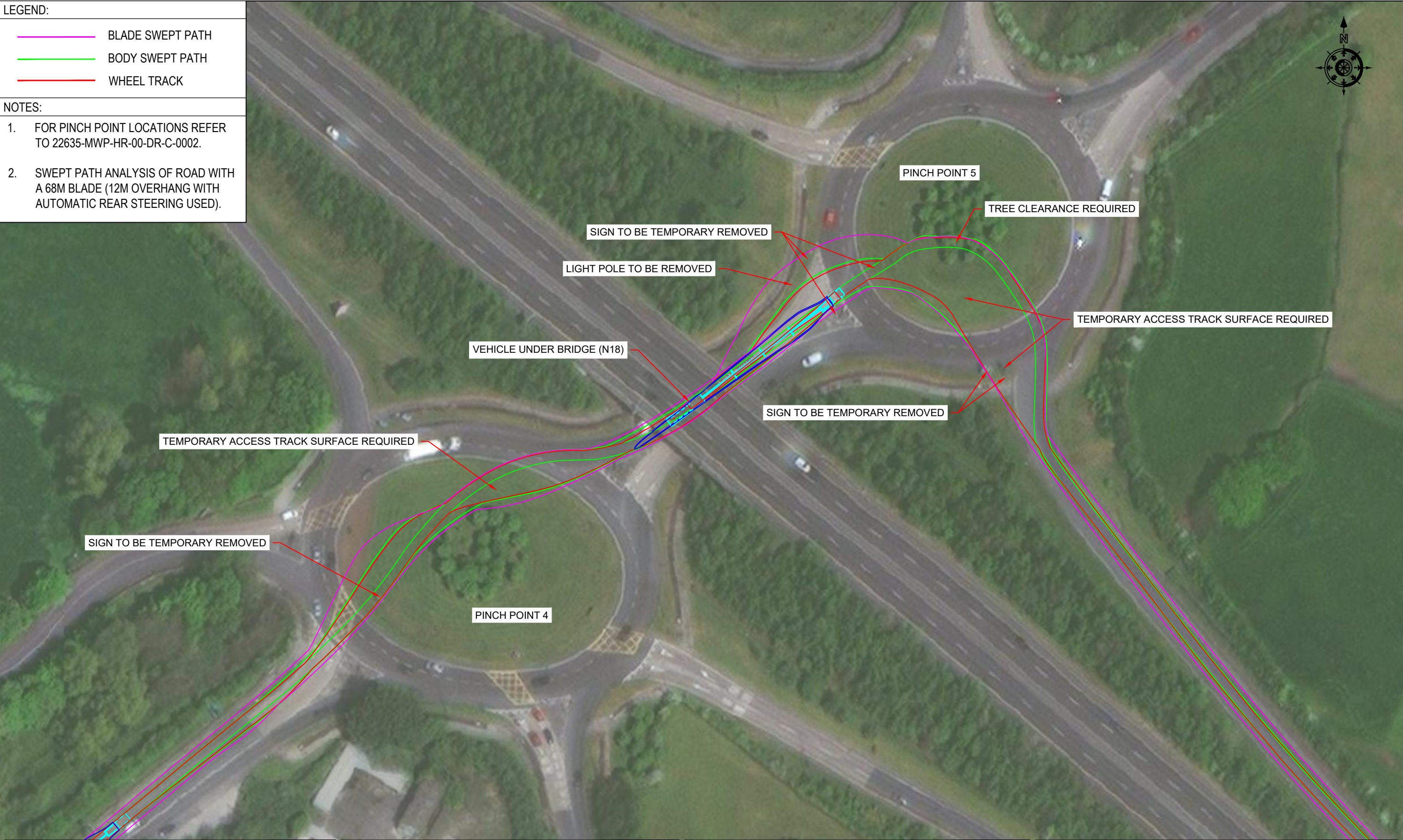
WHEEL TRACK

NOTES:

1.

FOR PINCH POINT LOCATIONS REFER TO 22635-MWP-HR-00-DR-C-0002.

2.

SWEPT PATH ANALYSIS OF ROAD WITH A 68M BLADE (12M OVERHANG WITH AUTOMATIC REAR STEERING USED).

|                             |          |                     |    |      |
|-----------------------------|----------|---------------------|----|------|
|                             |          |                     |    |      |
|                             |          |                     |    |      |
| P01                         | 11.09.25 | ISSUED FOR PLANNING | JK | CMCL |
| REV                         | DATE     | DESCRIPTION         | BY | APP  |
| CLIENT                      |          |                     |    |      |
| BALLINLEE GREEN ENERGY LTD. |          |                     |    |      |

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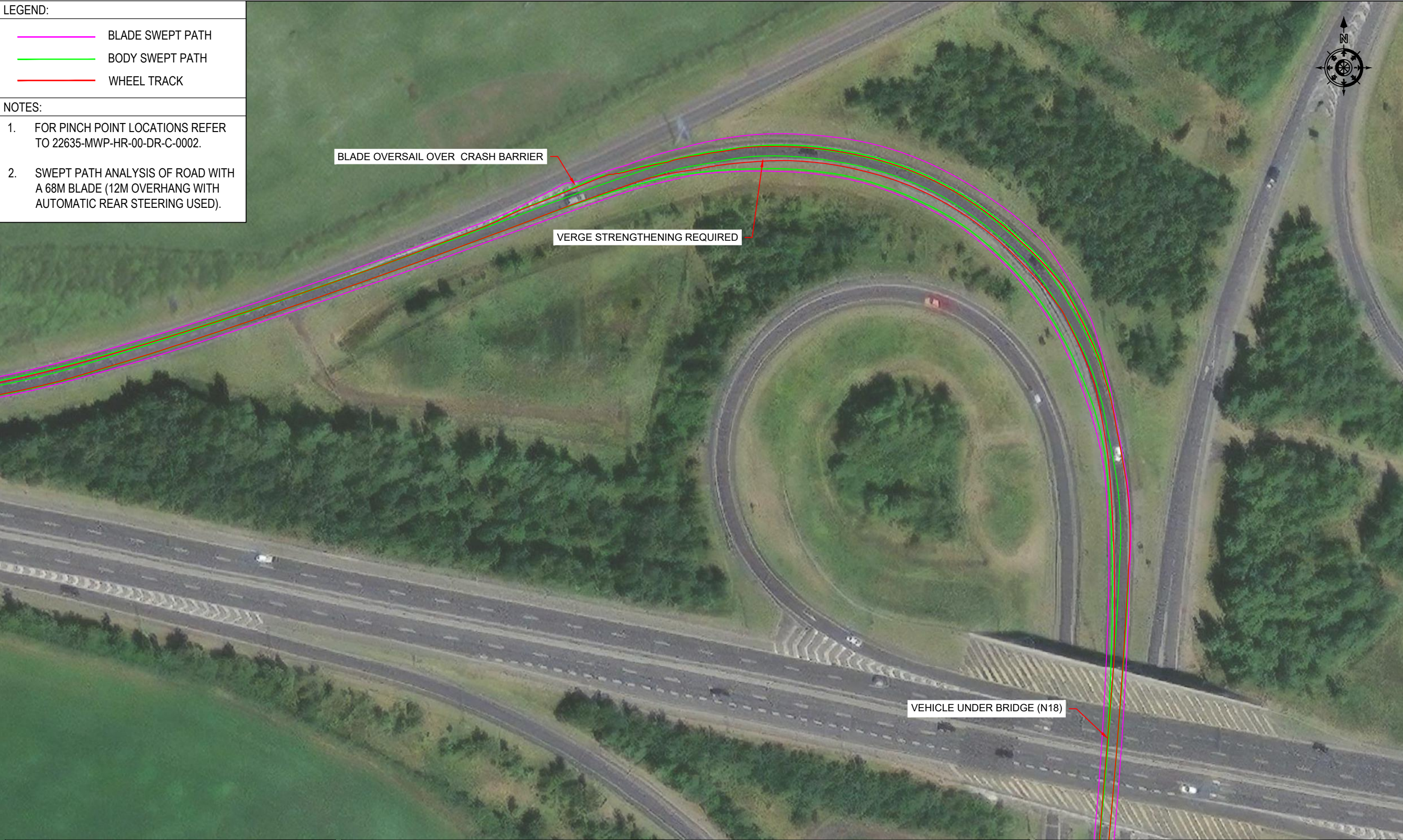
ENGINEERING AND ENVIRONMENTAL CONSULTANTS

CORK | TRALEE | LONDON | LIMERICK

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|                                               |
|-----------------------------------------------|
| PROJECT:                                      |
| BALLINLEE WIND FARM                           |
| TITLE:                                        |
| SWEPT PATH ANALYSIS<br>PINCH POINT NO.4 AND 5 |

|                                 |            |             |
|---------------------------------|------------|-------------|
| DRAWN:                          | CHECKED:   | APPROVED:   |
| JK                              | CMCL       | PC          |
| PROJECT NUMBER:                 | DATE:      | SCALE @ A3: |
| 22635                           | March 2025 | 1 : 1,000   |
| STATUS DESCRIPTION              |            | STATUS:     |
| FOR INFORMATION                 |            | S2          |
| DRAWING NUMBER:                 |            | REV:        |
| 22635 - MWP -HR- 00 -DR-C- 0013 |            | P01         |



|                             |          |                     |  |  |    |                                                                                                                                            |                                         |                    |                                 |                 |            |             |           |    |
|-----------------------------|----------|---------------------|--|--|----|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------|---------------------------------|-----------------|------------|-------------|-----------|----|
|                             |          |                     |  |  |    | <div><div>MWP</div><div>ENGINEERING AND ENVIRONMENTAL CONSULTANTS</div><div>CORK   TRALEE   LONDON   LIMERICK</div><div>mwp.ie</div></div> | PROJECT:                                |                    | DRAWN:                          |                 | CHECKED:   | APPROVED:   |           |    |
|                             |          |                     |  |  |    |                                                                                                                                            | BALLINLEE WIND FARM                     |                    | JK                              | CMCL            | PC         |             |           |    |
| P01                         | 11.09.25 | ISSUED FOR PLANNING |  |  | JK |                                                                                                                                            | CMCL                                    | PROJECT NUMBER:    | 22635                           | DATE:           | March 2025 | SCALE @ A3: | 1 : 1,000 |    |
| REV                         | DATE     | DESCRIPTION         |  |  | BY |                                                                                                                                            | APP                                     | STATUS DESCRIPTION |                                 | FOR INFORMATION |            |             | STATUS:   | S2 |
| CLIENT                      |          |                     |  |  |    |                                                                                                                                            | TITLE:                                  |                    | DRAWING NUMBER:                 |                 | REV:       |             |           |    |
| BALLINLEE GREEN ENERGY LTD. |          |                     |  |  |    |                                                                                                                                            | SWEPT PATH ANALYSIS<br>PINCH POINT NO.6 |                    | 22635 - MWP -HR- 00 -DR-C- 0014 |                 | P01        |             |           |    |

LEGEND:

-  BLADE SWEEP PATH  
 BODY SWEEP PATH  
 WHEEL TRACK

NOTES:

1. FOR PINCH POINT LOCATIONS REFER TO 22635-MWP-HR-00-DR-C-0002.
2. SWEPT PATH ANALYSIS OF ROAD WITH A 68M BLADE (12M OVERHANG WITH AUTOMATIC REAR STEERING USED).



BLADE TIP OVERSAIL (MAINTENANCE OF TREE/HEDGEROW REQUIRED)

SIGN TO BE TEMPORARY REMOVED

SIGN TO BE TEMPORARY REMOVED

|                             |          |                     |    |      |
|-----------------------------|----------|---------------------|----|------|
|                             |          |                     |    |      |
|                             |          |                     |    |      |
| P01                         | 11.09.25 | ISSUED FOR PLANNING | JK | CMCL |
| REV                         | DATE     | DESCRIPTION         | BY | APP  |
| CLIENT                      |          |                     |    |      |
| BALLINLEE GREEN ENERGY LTD. |          |                     |    |      |



PROJECT:

## BALLINLEE WIND FARM

TITLE:

## SWEPT PATH ANALYSIS

### PINCH POINT NO.7

|        |          |           |
|--------|----------|-----------|
| DRAWN: | CHECKED: | APPROVED: |
|--------|----------|-----------|

| JK | CMCL | PC |
|----|------|----|
|----|------|----|

|          |           |
|----------|-----------|
| CHECKED: | APPROVED: |
|----------|-----------|

|      |    |
|------|----|
| CMCL | PC |
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APPROVED:

PC

|                 |       |             |
|-----------------|-------|-------------|
| PROJECT NUMBER: | DATE: | SCALE @ A3: |
|-----------------|-------|-------------|

|       |            |           |
|-------|------------|-----------|
| 22635 | March 2025 | 1 : 1,000 |
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| DATE: | SCALE @ A3: |
|-------|-------------|

|            |           |
|------------|-----------|
| March 2025 | 1 : 1,000 |
|------------|-----------|

SCALE @ A3:

1 : 1,000

|                    |  |         |
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| STATUS DESCRIPTION |  | STATUS: |
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| FOR INFORMATION | S2 |
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| STATUS: |
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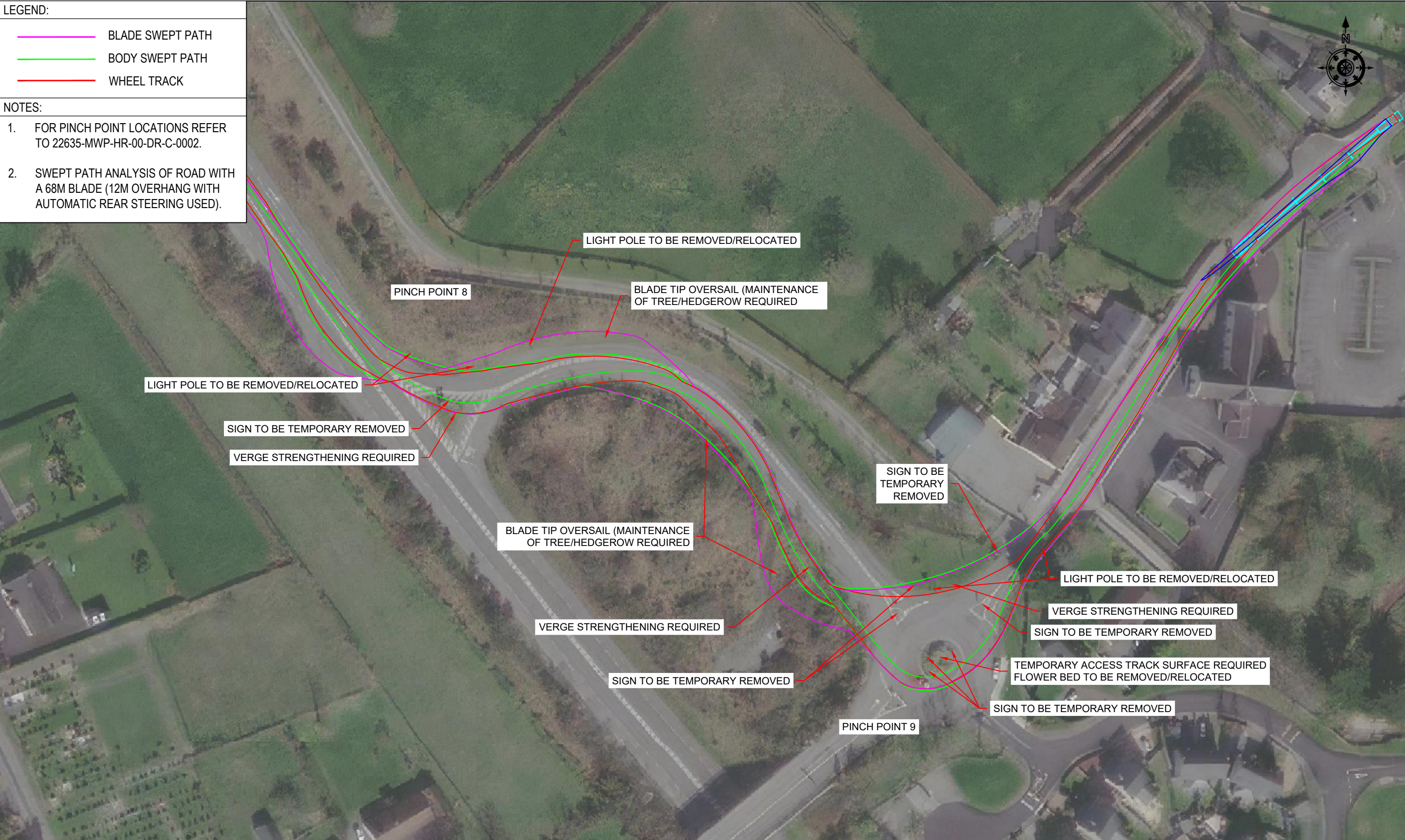
S2

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| DRAWING NUMBER: | REV: |
|-----------------|------|

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| 22635 - MWP -HR-00-DR-C-0015 | P01 |
|------------------------------|-----|

REV:

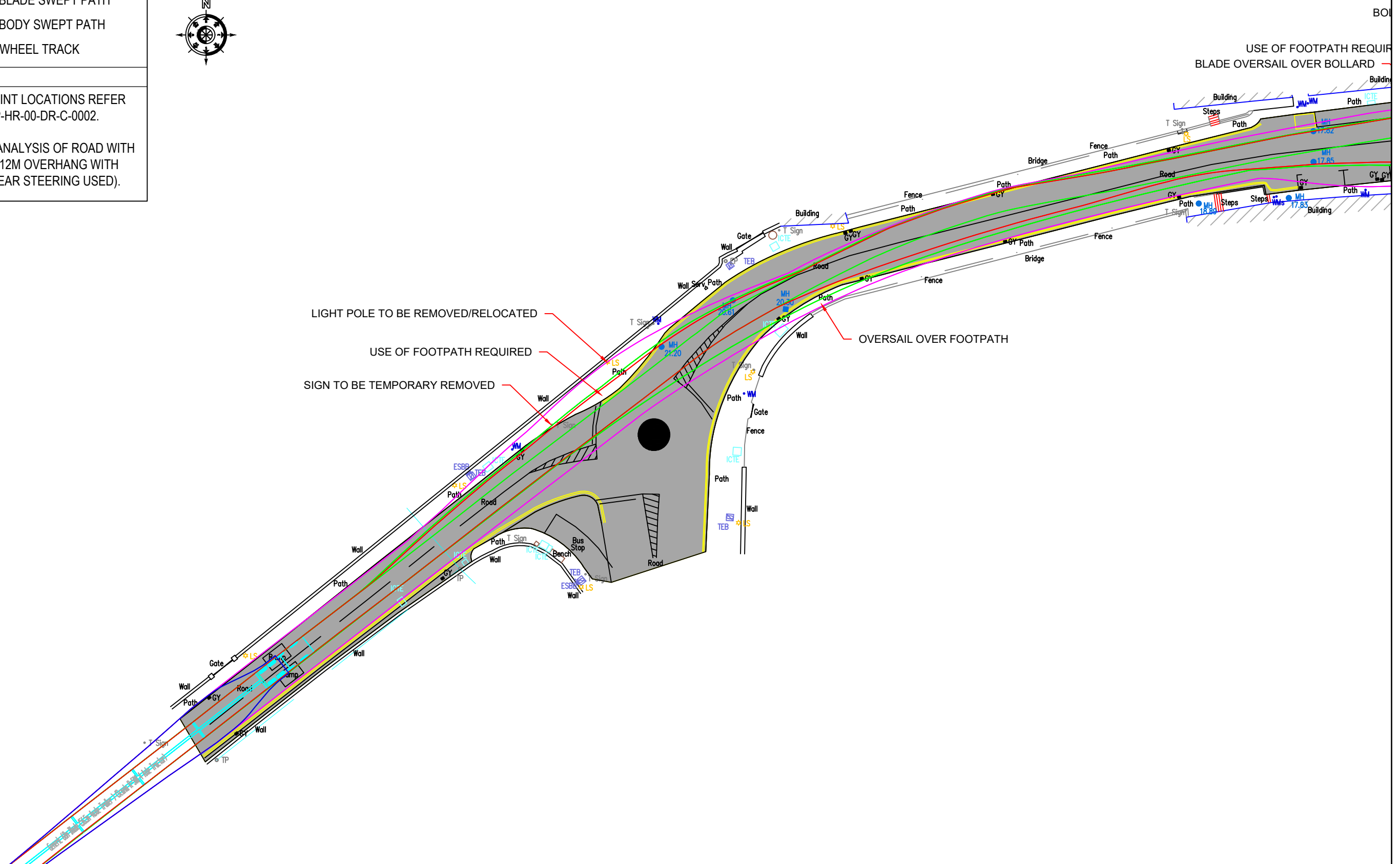
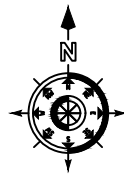
P01



|                                           |          |                     |  |  |                                                                                                                                            |                                     |                                                    |                                       |                     |                          |                 |
|-------------------------------------------|----------|---------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------|---------------------------------------|---------------------|--------------------------|-----------------|
|                                           |          |                     |  |  | <div><div>MWP</div><div>ENGINEERING AND ENVIRONMENTAL CONSULTANTS</div><div>CORK   TRALEE   LONDON   LIMERICK</div><div>mwp.ie</div></div> | PROJECT:<br><br>BALLINLEE WIND FARM |                                                    |                                       | DRAWN:<br>JK        | CHECKED:<br>CMCL         | APPROVED:<br>PC |
| P01                                       | 11.09.25 | ISSUED FOR PLANNING |  |  |                                                                                                                                            | JK                                  | CMCL                                               | PROJECT NUMBER:<br>22635              | DATE:<br>March 2025 | SCALE @ A3:<br>1 : 1,000 |                 |
| REV                                       | DATE     | DESCRIPTION         |  |  |                                                                                                                                            | BY                                  | APP                                                | STATUS DESCRIPTION<br>FOR INFORMATION |                     |                          | STATUS:<br>S2   |
| CLIENT<br><br>BALLINLEE GREEN ENERGY LTD. |          |                     |  |  |                                                                                                                                            |                                     | DRAWING NUMBER:<br>22635 - MWP -HR- 00 -DR-C- 0016 |                                       |                     | REV:<br>P01              |                 |
|                                           |          |                     |  |  |                                                                                                                                            |                                     |                                                    |                                       |                     |                          |                 |

| LEGEND:                                                                           |                  |
|-----------------------------------------------------------------------------------|------------------|
|  | BLADE SWEPT PATH |
|  | BODY SWEPT PATH  |
|  | WHEEL TRACK      |

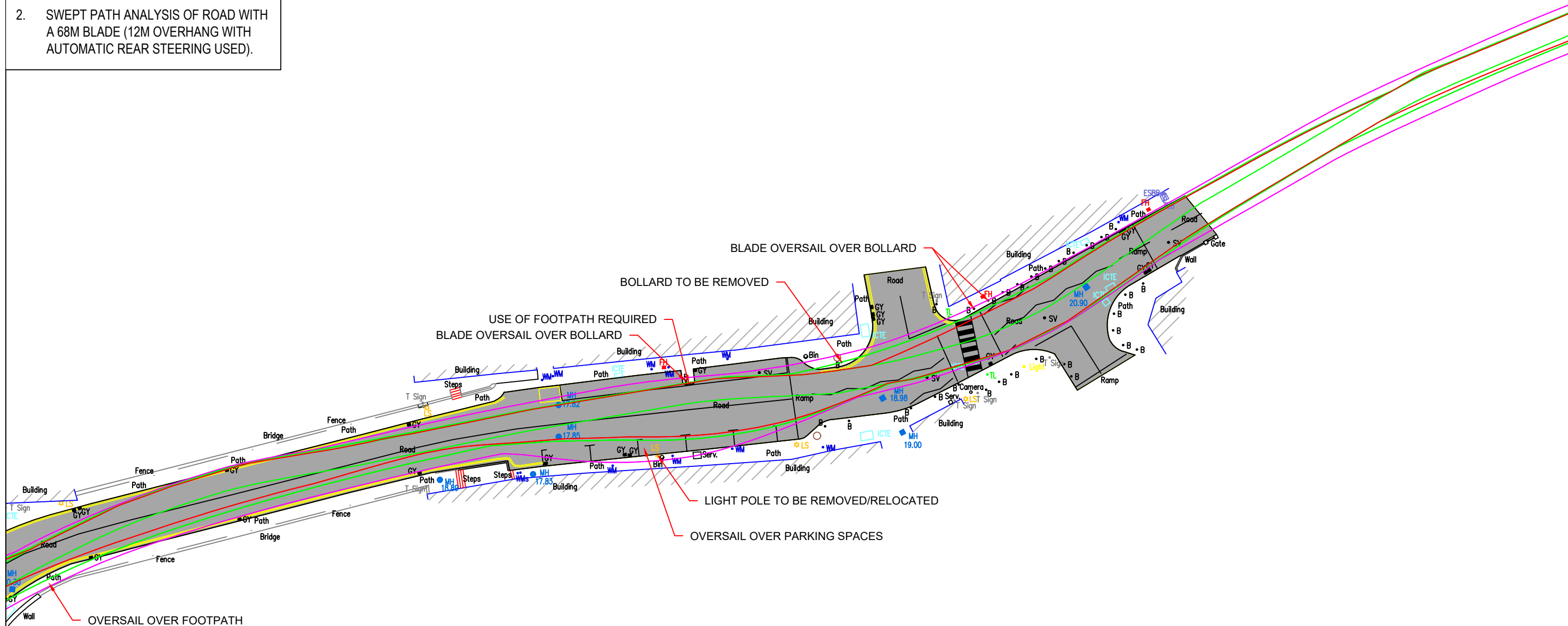
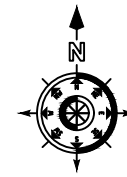
- |        |                                                                                                |
|--------|------------------------------------------------------------------------------------------------|
| NOTES: |                                                                                                |
| 1.     | FOR PINCH POINT LOCATIONS REFER TO 22635-MWP-HR-00-DR-C-0002.                                  |
| 2.     | SWEPT PATH ANALYSIS OF ROAD WITH A 68M BLADE (12M OVERHANG WITH AUTOMATIC REAR STEERING USED). |



|        |          |                     |  |  |    |                                                                                                                                                                                                      |                             |                                          |  |  |                    |       |          |                                 |             |         |     |
|--------|----------|---------------------|--|--|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------|--|--|--------------------|-------|----------|---------------------------------|-------------|---------|-----|
|        |          |                     |  |  |    | <div><p>ENGINEERING AND ENVIRONMENTAL CONSULTANTS</p><p>CORK   TRALEE   LONDON   LIMERICK</p><p>mwp.ie</p></div> | PROJECT:                    | BALLINLEE WIND FARM                      |  |  | DRAWN:             | JK    | CHECKED: | CMCL                            | APPROVED:   | PC      |     |
|        |          |                     |  |  |    |                                                                                                                                                                                                      | TITLE:                      | SWEPT PATH ANALYSIS<br>PINCH POINT NO.10 |  |  | PROJECT NUMBER:    | 22635 | DATE:    | March 2025                      | SCALE @ A3: | 1 : 500 |     |
| P01    | 11.09.25 | ISSUED FOR PLANNING |  |  | JK |                                                                                                                                                                                                      | CMCL                        |                                          |  |  | STATUS DESCRIPTION |       |          | FOR INFORMATION                 |             | STATUS: | S2  |
| REV    | DATE     | DESCRIPTION         |  |  | BY |                                                                                                                                                                                                      | APP                         |                                          |  |  | DRAWING NUMBER:    |       |          | 22635 - MWP -HR- 00 -DR-C- 0017 |             | REV:    | P01 |
| CLIENT |          |                     |  |  |    |                                                                                                                                                                                                      | BALLINLEE GREEN ENERGY LTD. |                                          |  |  |                    |       |          |                                 |             |         |     |

|                                                                                   |                  |
|-----------------------------------------------------------------------------------|------------------|
| LEGEND:                                                                           |                  |
|  | BLADE SWEPT PATH |
|  | BODY SWEPT PATH  |
|  | WHEEL TRACK      |

- |        |                                                                                                |
|--------|------------------------------------------------------------------------------------------------|
| NOTES: |                                                                                                |
| 1.     | FOR PINCH POINT LOCATIONS REFER TO 22635-MWP-HR-00-DR-C-0002.                                  |
| 2.     | SWEPT PATH ANALYSIS OF ROAD WITH A 68M BLADE (12M OVERHANG WITH AUTOMATIC REAR STEERING USED). |

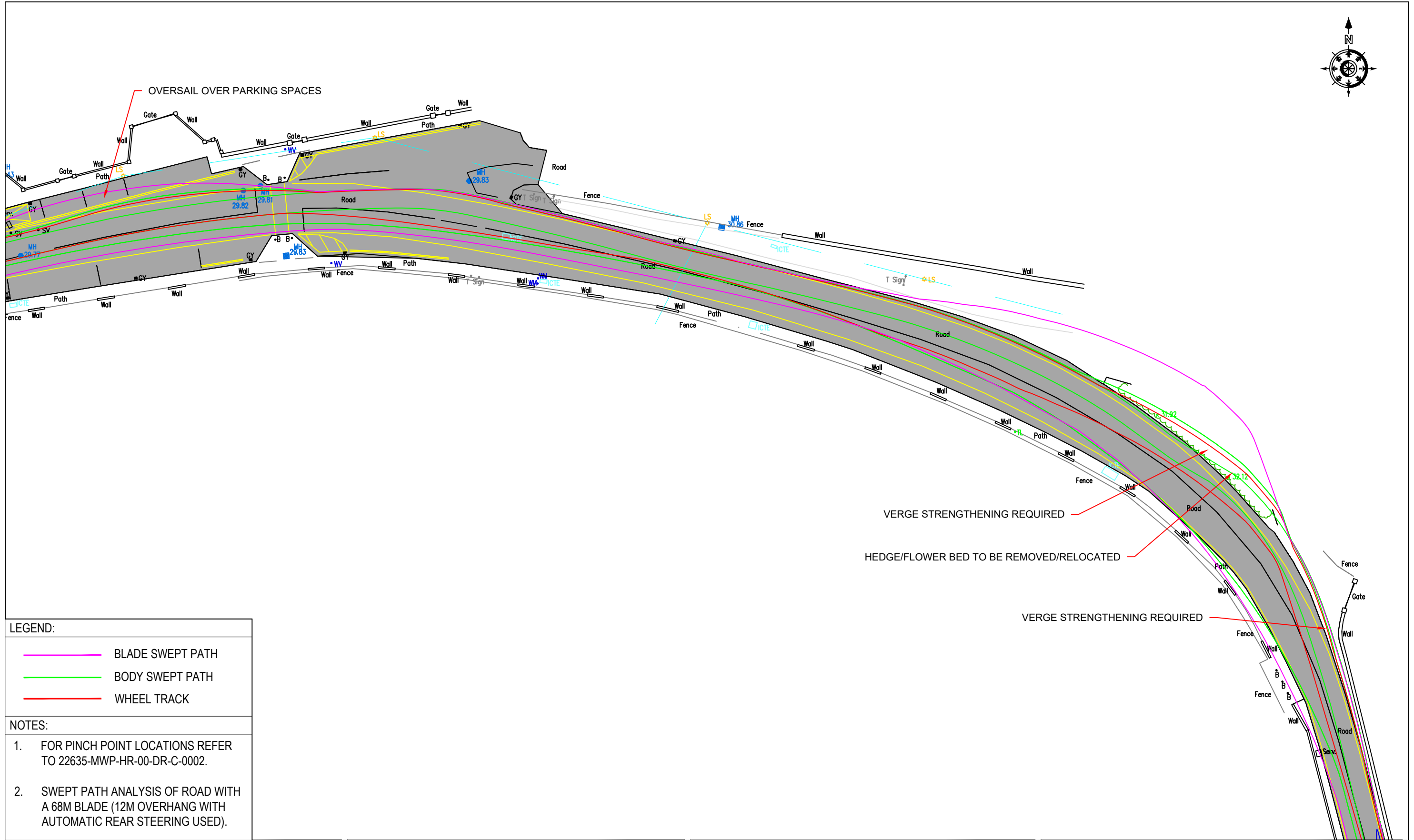


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|                             |          |                     |    |      |
| P01                         | 11.09.25 | ISSUED FOR PLANNING | JK | CMCL |
| REV                         | DATE     | DESCRIPTION         | BY | APP  |
| CLIENT                      |          |                     |    |      |
| BALLINLEE GREEN ENERGY LTD. |          |                     |    |      |

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|  <p>ENGINEERING AND ENVIRONMENTAL CONSULTANTS</p> <p>CORK   TRALEE   LONDON   LIMERICK</p> <p>mwp.ie</p> |
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|                                          |
|------------------------------------------|
| PROJECT:                                 |
| BALLINLEE WIND FARM                      |
| TITLE:                                   |
| SWEPT PATH ANALYSIS<br>PINCH POINT NO.11 |

|                                 |            |             |
|---------------------------------|------------|-------------|
| DRAWN:                          | CHECKED:   | APPROVED:   |
| JK                              | CMCL       | PC          |
| PROJECT NUMBER:                 | DATE:      | SCALE @ A3: |
| 22635                           | March 2025 | 1 : 500     |
| STATUS DESCRIPTION              |            | STATUS:     |
| FOR INFORMATION                 |            | S2          |
| DRAWING NUMBER:                 |            | REV:        |
| 22635 - MWP -HR- 00 -DR-C- 0018 |            | P01         |



LEGEND:

- BLADE SWEEP PATH
- BODY SWEEP PATH
- WHEEL TRACK

NOTES:

- FOR PINCH POINT LOCATIONS REFER TO 22635-MWP-HR-00-DR-C-0002.
- SWEPT PATH ANALYSIS OF ROAD WITH A 68M BLADE (12M OVERHANG WITH AUTOMATIC REAR STEERING USED).

|                             |          |                     |    |      |  |
|-----------------------------|----------|---------------------|----|------|--|
|                             |          |                     |    |      |  |
|                             |          |                     |    |      |  |
| P01                         | 11.09.25 | ISSUED FOR PLANNING | JK | CMCL |  |
| REV                         | DATE     | DESCRIPTION         | BY | APP  |  |
| CLIENT                      |          |                     |    |      |  |
| BALLINLEE GREEN ENERGY LTD. |          |                     |    |      |  |

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PROJECT:

BALLINLEE WIND FARM

TITLE:

SWEPT PATH ANALYSIS  
PINCH POINT NO.12

|                                 |            |             |
|---------------------------------|------------|-------------|
| DRAWN:                          | CHECKED:   | APPROVED:   |
| JK                              | CMCL       | PC          |
| PROJECT NUMBER:                 | DATE:      | SCALE @ A3: |
| 22635                           | March 2025 | 1 : 500     |
| STATUS DESCRIPTION              |            | STATUS:     |
| FOR INFORMATION                 |            | S2          |
| DRAWING NUMBER:                 |            | REV:        |
| 22635 - MWP -HR- 00 -DR-C- 0019 |            | P01         |

LEGEND:

BLADE SWEPT PATH

BODY SWEPT PATH

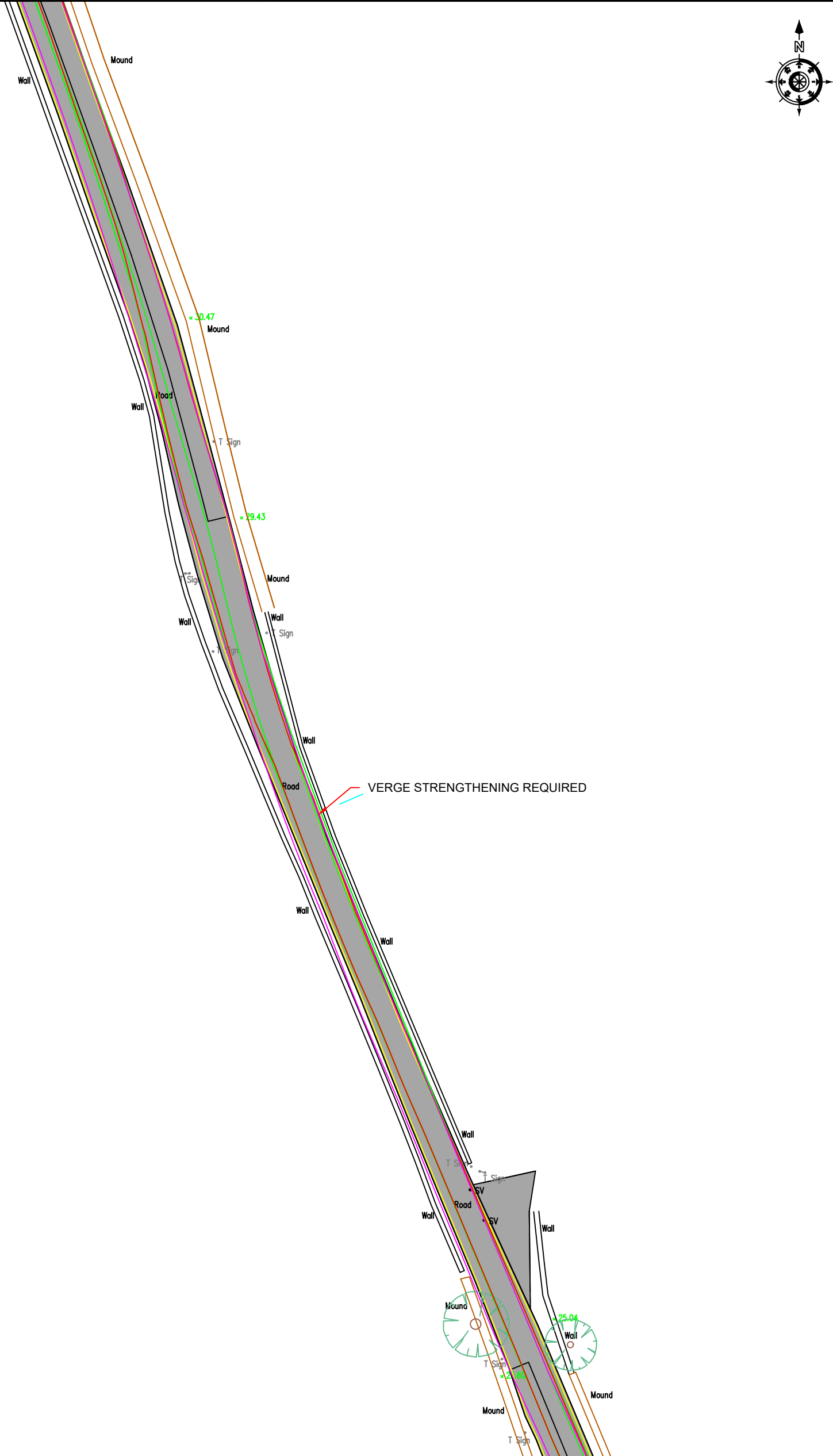
WHEEL TRACK

NOTES:

1.

FOR PINCH POINT LOCATIONS REFER TO 22635-MWP-HR-00-DR-C-0002.

2.

SWEPT PATH ANALYSIS OF ROAD WITH A 68M BLADE (12M OVERHANG WITH AUTOMATIC REAR STEERING USED).

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CORK | TRALEE | LONDON | LIMERICK

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PROJECT:

BALLINLEE WIND FARM

TITLE:

SWEPT PATH ANALYSIS  
PINCH POINT NO.13

CLIENT

BALLINLEE GREEN ENERGY LTD.

|                                                 |          |                     |                     |          |      |
|-------------------------------------------------|----------|---------------------|---------------------|----------|------|
| P01                                             | 05.09.25 | ISSUED FOR PLANNING |                     | JK       | CMCL |
| REV                                             | DATE     | DESCRIPTION         |                     | BY       | APP  |
| DRAWN: JK                                       |          | CHECKED: CMCL       | APPROVED: PC        |          |      |
| PROJECT NUMBER: 22635                           |          | DATE: MARCH 2025    | SCALE @ A3: 1 : 500 |          |      |
| STATUS DESCRIPTION                              |          |                     |                     | STATUS:  |      |
| FOR INFORMATION                                 |          |                     |                     | S2       |      |
| DRAWING NUMBER: 22635 - MWP -HR- 00 -DR-C- 0020 |          |                     |                     | REV: P01 |      |

LEGEND:

BLADE SWEEP PATH

BODY SWEEP PATH

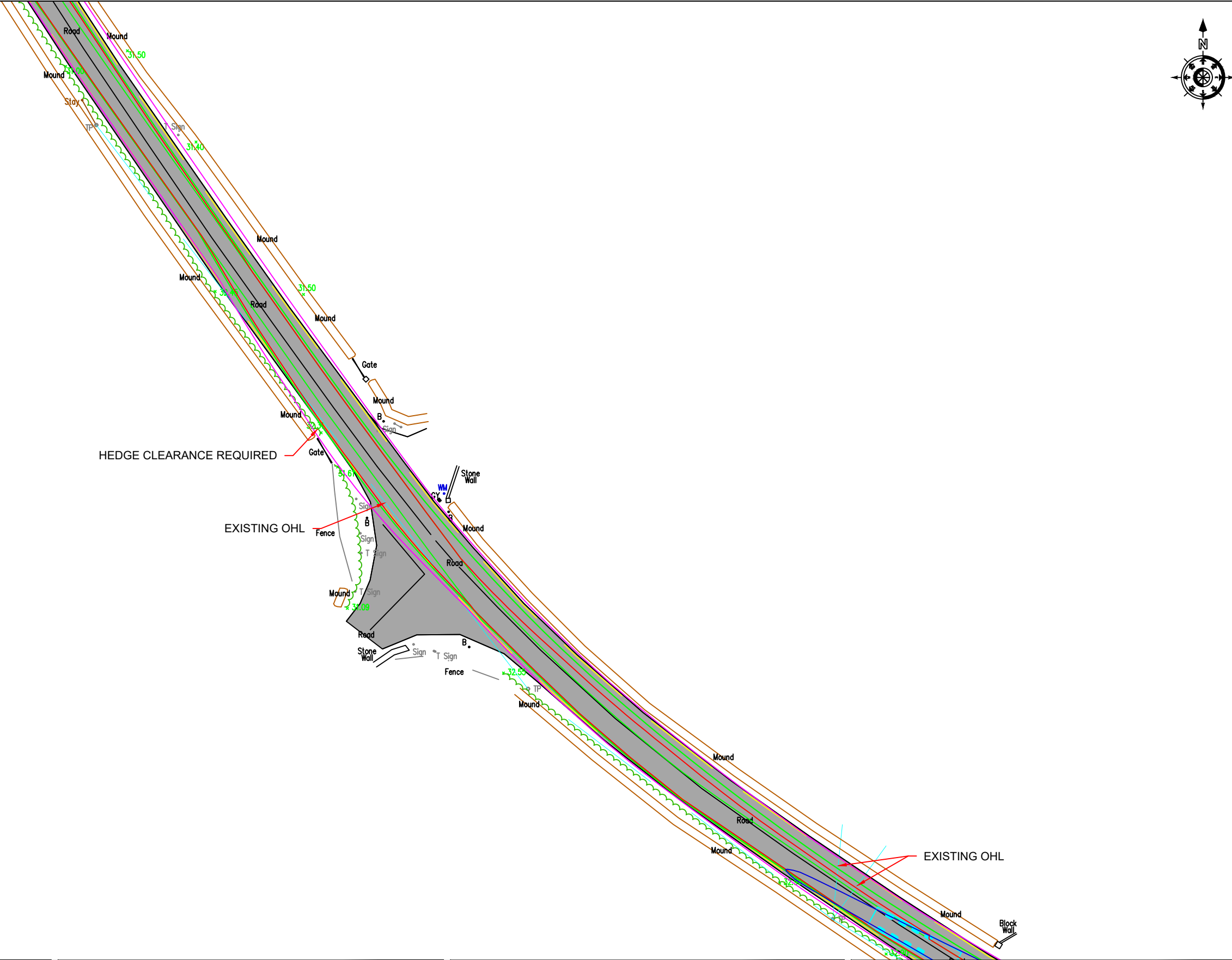
WHEEL TRACK

NOTES:

1.

FOR PINCH POINT LOCATIONS REFER TO 22635-MWP-HR-00-DR-C-0002.

2.



|                             |          |                     |    |      |
|-----------------------------|----------|---------------------|----|------|
|                             |          |                     |    |      |
|                             |          |                     |    |      |
| P01                         | 11.09.25 | ISSUED FOR PLANNING | JK | CMCL |
| REV                         | DATE     | DESCRIPTION         | BY | APP  |
| CLIENT                      |          |                     |    |      |
| BALLINLEE GREEN ENERGY LTD. |          |                     |    |      |

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ENGINEERING AND ENVIRONMENTAL CONSULTANTS

CORK | TRALEE | LONDON | LIMERICK

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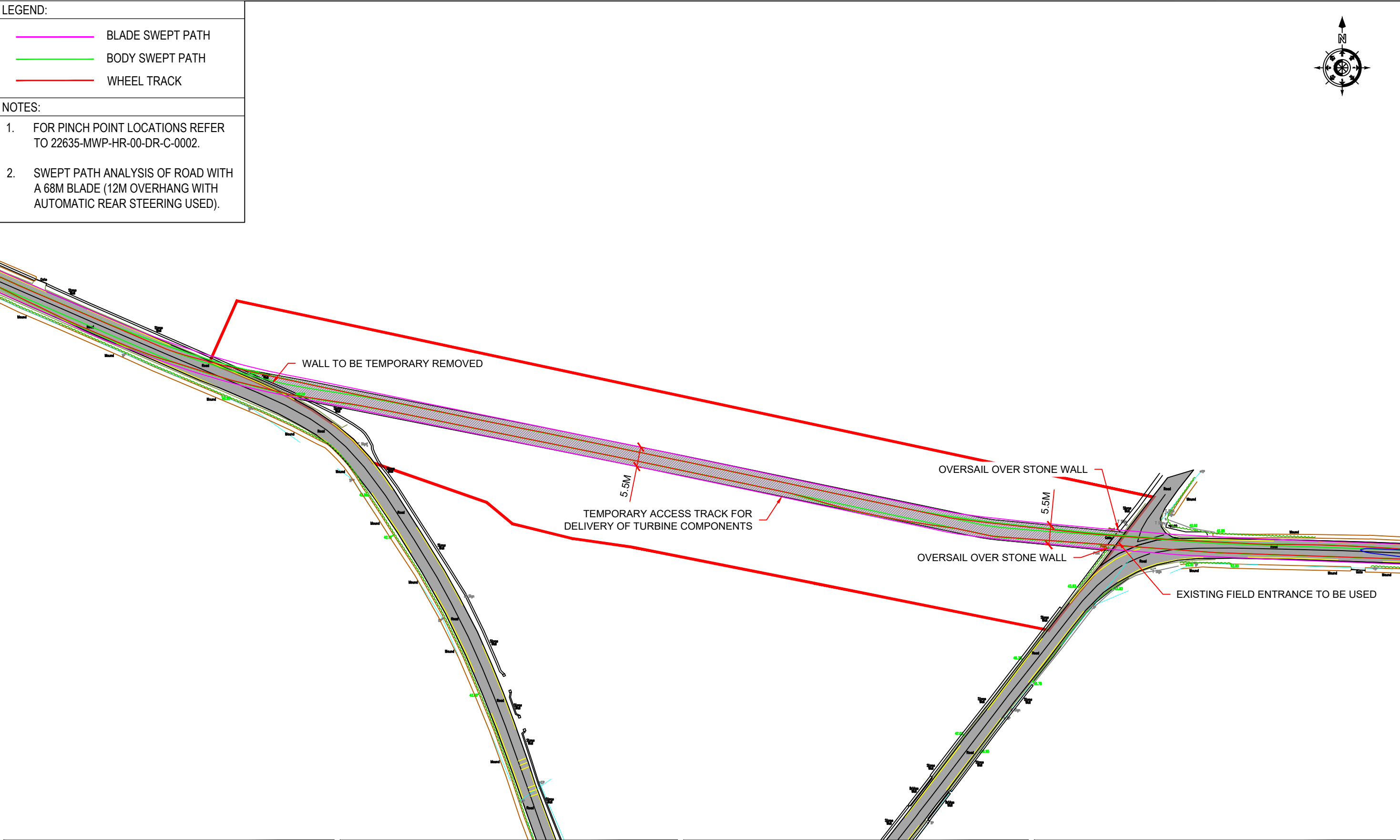
PROJECT:

BALLINLEE WIND FARM

TITLE:

SWEPT PATH ANALYSIS  
PINCH POINT NO.14

|                                 |            |             |
|---------------------------------|------------|-------------|
| DRAWN:                          | CHECKED:   | APPROVED:   |
| JK                              | CMCL       | PC          |
| PROJECT NUMBER:                 | DATE:      | SCALE @ A3: |
| 22635                           | March 2025 | 1 : 500     |
| STATUS DESCRIPTION              |            | STATUS:     |
| FOR INFORMATION                 |            | S2          |
| DRAWING NUMBER:                 |            | REV:        |
| 22635 - MWP -HR- 00 -DR-C- 0021 |            | P01         |



|                                           |          |                     |  |  |    |                                                                                                                                            |                                     |                                                        |  |                                                     |                                       |                     |                          |
|-------------------------------------------|----------|---------------------|--|--|----|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------|--|-----------------------------------------------------|---------------------------------------|---------------------|--------------------------|
|                                           |          |                     |  |  |    | <div><div>MWP</div><div>ENGINEERING AND ENVIRONMENTAL CONSULTANTS</div><div>CORK   TRALEE   LONDON   LIMERICK</div><div>mwp.ie</div></div> | PROJECT:<br><br>BALLINLEE WIND FARM |                                                        |  | DRAWN:<br>JK                                        | CHECKED:<br>CMCL                      | APPROVED:<br>PC     |                          |
| P01                                       | 11.09.25 | ISSUED FOR PLANNING |  |  | JK |                                                                                                                                            | CMCL                                | TITLE:<br><br>SWEPT PATH ANALYSIS<br>PINCH POINT NO.15 |  |                                                     | PROJECT NUMBER:<br>22635              | DATE:<br>March 2025 | SCALE @ A3:<br>1 : 1,000 |
| REV                                       | DATE     | DESCRIPTION         |  |  | BY |                                                                                                                                            | APP                                 |                                                        |  |                                                     | STATUS DESCRIPTION<br>FOR INFORMATION |                     | STATUS:<br>S2            |
| CLIENT<br><br>BALLINLEE GREEN ENERGY LTD. |          |                     |  |  |    |                                                                                                                                            |                                     |                                                        |  | DRAWING NUMBER:<br>22635 - MWP -HR- 00 -DR- C- 0022 |                                       | REV:<br>P01         |                          |

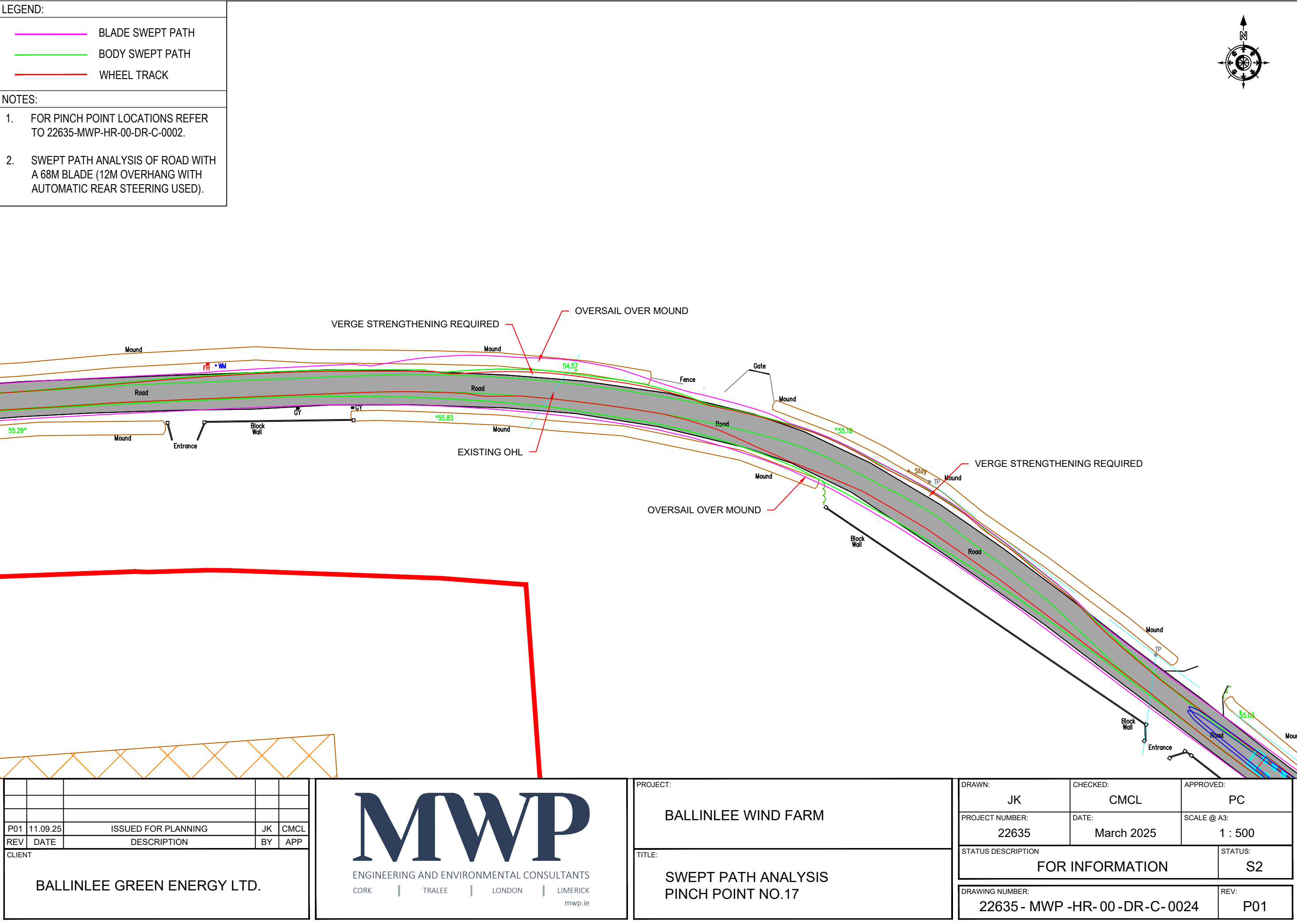


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|                             |          |                     |    |      |
| P01                         | 11.09.25 | ISSUED FOR PLANNING | JK | CMCL |
| REV                         | DATE     | DESCRIPTION         | BY | APP  |
| CLIENT                      |          |                     |    |      |
| BALLINLEE GREEN ENERGY LTD. |          |                     |    |      |

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| <div><div>MWP</div><div>ENGINEERING AND ENVIRONMENTAL CONSULTANTS</div><div>CORK   TRALEE   LONDON   LIMERICK</div><div>mwp.ie</div></div> |
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| PROJECT:                                 |
| BALLINLEE WIND FARM                      |
| TITLE:                                   |
| SWEPT PATH ANALYSIS<br>PINCH POINT NO.16 |

|                                 |            |             |
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| DRAWN:                          | CHECKED:   | APPROVED:   |
| JK                              | CMCL       | PC          |
| PROJECT NUMBER:                 | DATE:      | SCALE @ A3: |
| 22635                           | March 2025 | 1 : 500     |
| STATUS DESCRIPTION              |            | STATUS:     |
| FOR INFORMATION                 |            | S2          |
| DRAWING NUMBER:                 |            | REV:        |
| 22635 - MWP -HR- 00 -DR-C- 0023 |            | P01         |

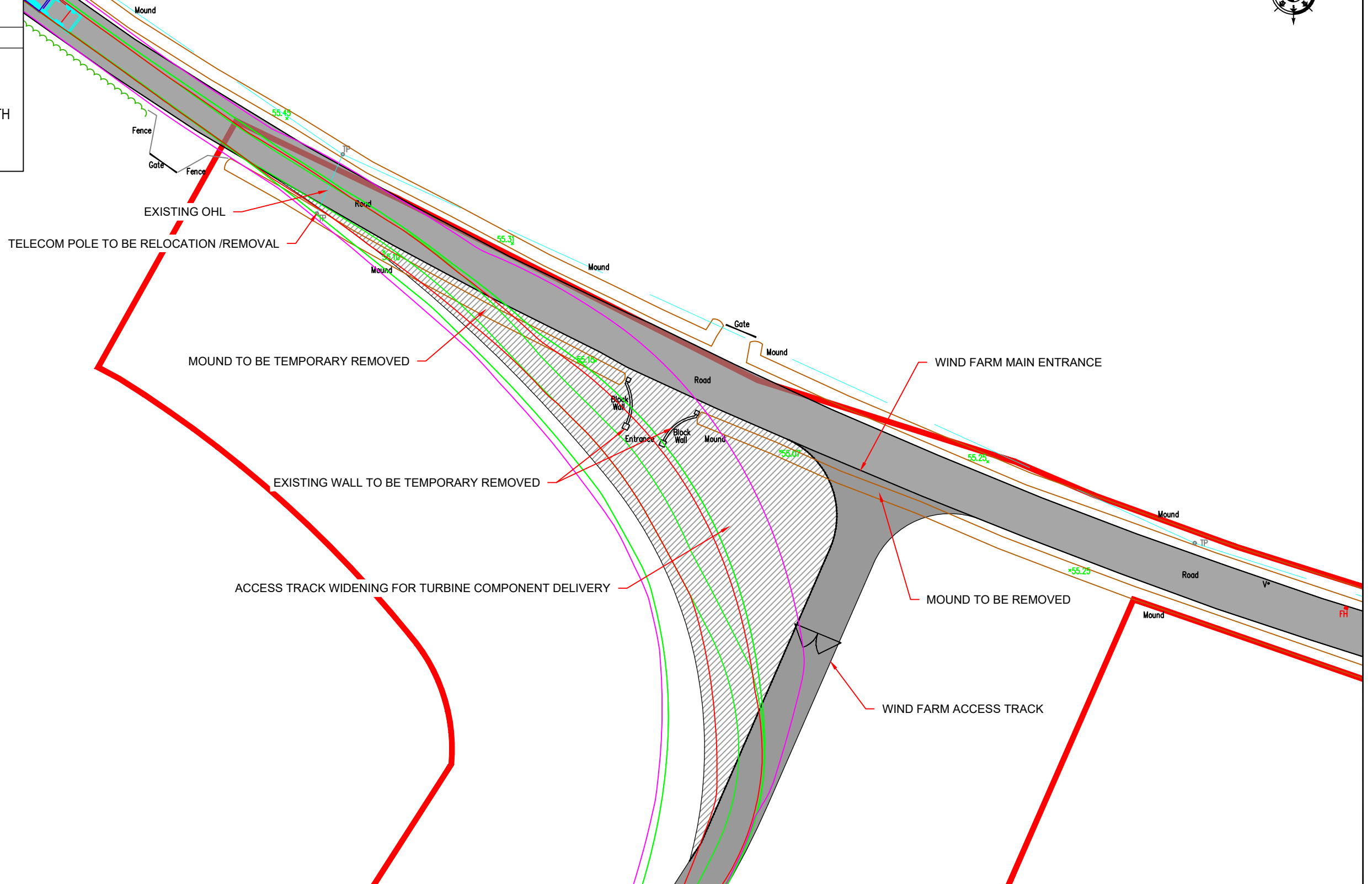
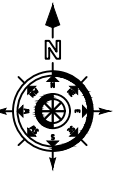


LEGEND:

-  BLADE SWEEP PATH  
 BODY SWEEP PATH  
 WHEEL TRACK

NOTES:

1. FOR PINCH POINT LOCATIONS REFER TO 22635-MWP-HR-00-DR-C-0002.
2. SWEPT PATH ANALYSIS OF ROAD WITH A 68M BLADE (12M OVERHANG WITH AUTOMATIC REAR STEERING USED).



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| P01                         | 11.09.25 | ISSUED FOR PLANNING | JK | CMCL |
| REV                         | DATE     | DESCRIPTION         | BY | APP  |
| CLIENT                      |          |                     |    |      |
| BALLINLEE GREEN ENERGY LTD. |          |                     |    |      |



PROJECT: \_\_\_\_\_

## BALLINLEE WIND FARM

|        |  |
|--------|--|
| TITLE: |  |
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SWEPT PATH ANALYSIS  
PINCH POINT NO.18

|        |          |
|--------|----------|
| DRAWN: | CHECKED: |
|--------|----------|

| JK | CMCL |
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|          |           |
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| CHECKED: | APPROVED: |
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| CMCL | PC |
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APPROVED:

PC

|                 |       |
|-----------------|-------|
| PROJECT NUMBER: | DATE: |
|-----------------|-------|

|       |            |
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| 22635 | March 2025 |
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| DATE: | SCALE @ A3: |
|-------|-------------|

|            |         |
|------------|---------|
| March 2025 | 1 : 500 |
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SCALE @ A3:

1 : 500

|                    |         |
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| STATUS DESCRIPTION | STATUS: |
|--------------------|---------|

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| FOR INFORMATION | S2 |
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| STATUS: |
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| 22635 - MWP -HR- 00 -DR-C- 0025 | P01 |
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REV:

P01