



## APPENDIX 4-7

ABNORMAL INDIVISIBLE  
LOAD ROUTE SURVEY

Pell Frischmann

Lemanaghan Wind Farm

Abnormal Indivisible Load Route Survey

January 2026

10110431

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# 1 Introduction

## 1.1 Purpose of the Report

Pell Frischmann Consultants Ltd (PF) has been commissioned by Bord na Móna PowerGen (Bord na Móna) to undertake a partial Route Survey Review (RSR) to examine the issues associated with the transport of wind turbine Abnormal Indivisible Loads (AIL) associated with the construction and development of the proposed Lemanaghan Wind Farm, located to the north of Ferbane, County Offaly, Ireland.

The Route Survey Report (RSR) has been prepared to help inform Bord na Móna on the likely issues associated with the development of the site with regards to off-site transport and access for AIL traffic at locations identified by Bord na Móna. This report is based upon a desk top review of topographical surveys and identifies the key issues associated with AIL deliveries and notes that remedial works, either in the form of physical works or as traffic management interventions will be required to accommodate the predicted loads. A detailed site visit would still be required to fully assess the impact on the study area road network.

The detailed assessment and subsequent designs of any remedial works are beyond the agreed scope of works between PF and Bord na Móna at this point in time.

It is the responsibility of the turbine supplier to ensure that the entirety of the proposed access route is suitable and meets with their satisfaction (depending upon contract). The turbine supplier will be responsible for ensuring that the finalised proposals meet with the appropriate levels of health and safety consideration for all road users and are in line with the relevant legislation at the time of delivery.

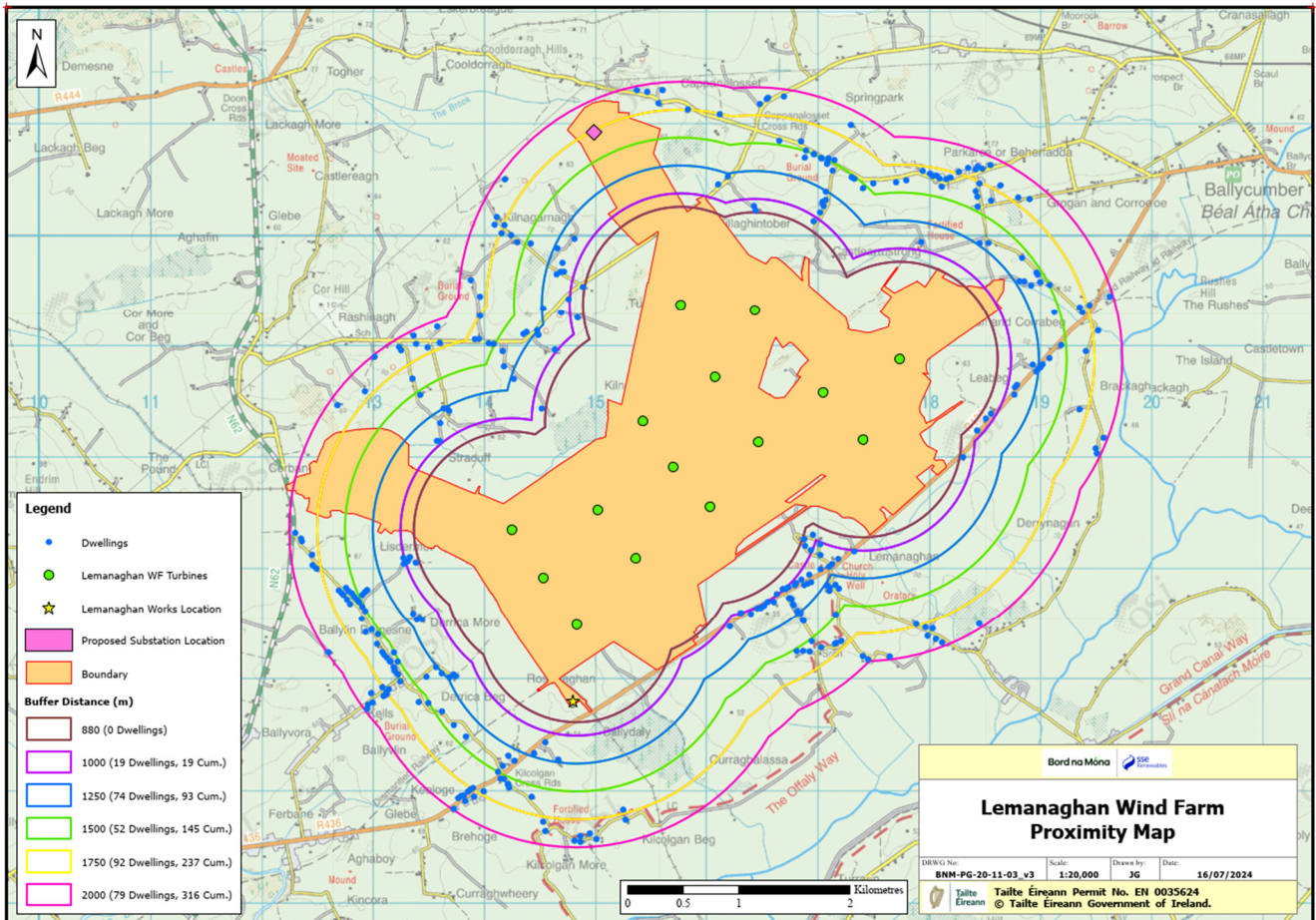
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## 2 Site Background

### 2.1 Site Location

The development site is located to the north of Fermbane. Figure 1 illustrates the general site location.

Figure 2-1: Site Location Plan



### 2.2 Candidate Turbine

Bord na Móna have indicated that they wish to consider the worst case components for a 76m and 85m turbine blade turbine use at the site. To provide a robust assessment, this review has been based upon Siemens Gamesa SG155 and SG170 blades and a 30m x 4.8m x 4.8m mid tower in 4 + 7 clamps.

## 2.3 Proposed Delivery Equipment

To provide a robust assessment scenario based upon the known issues along the access route, it has been assumed that all blades would be carried on a Superwing Carrier trailer to reduce the need for mitigation in constrained sections of the route.

The SG170 blade will need to be carried using a clamp and dolly trailer due to manufacturer requirements.

The base and mid towers would be carried on a 4+7 clamp trailer. The hub, nacelle housing, and top towers would be carried on a six-axle step frame trailer. The worst case loads for these sections will be considered in a further study.

Figure 2-2: Super Wing Carrier Trailer



Towers would be loaded onto a 4+7 clamp adaptor style trailer shown in **Figure 2-3**, whereas loads such as the hub, nacelle housing and top towers would be carried on a six-axle step frame trailer.

Figure 2-3: Tower Clamp Trailer



Figure 2-4: Clamp and Dolly Trailer



### 3 Access Route Review

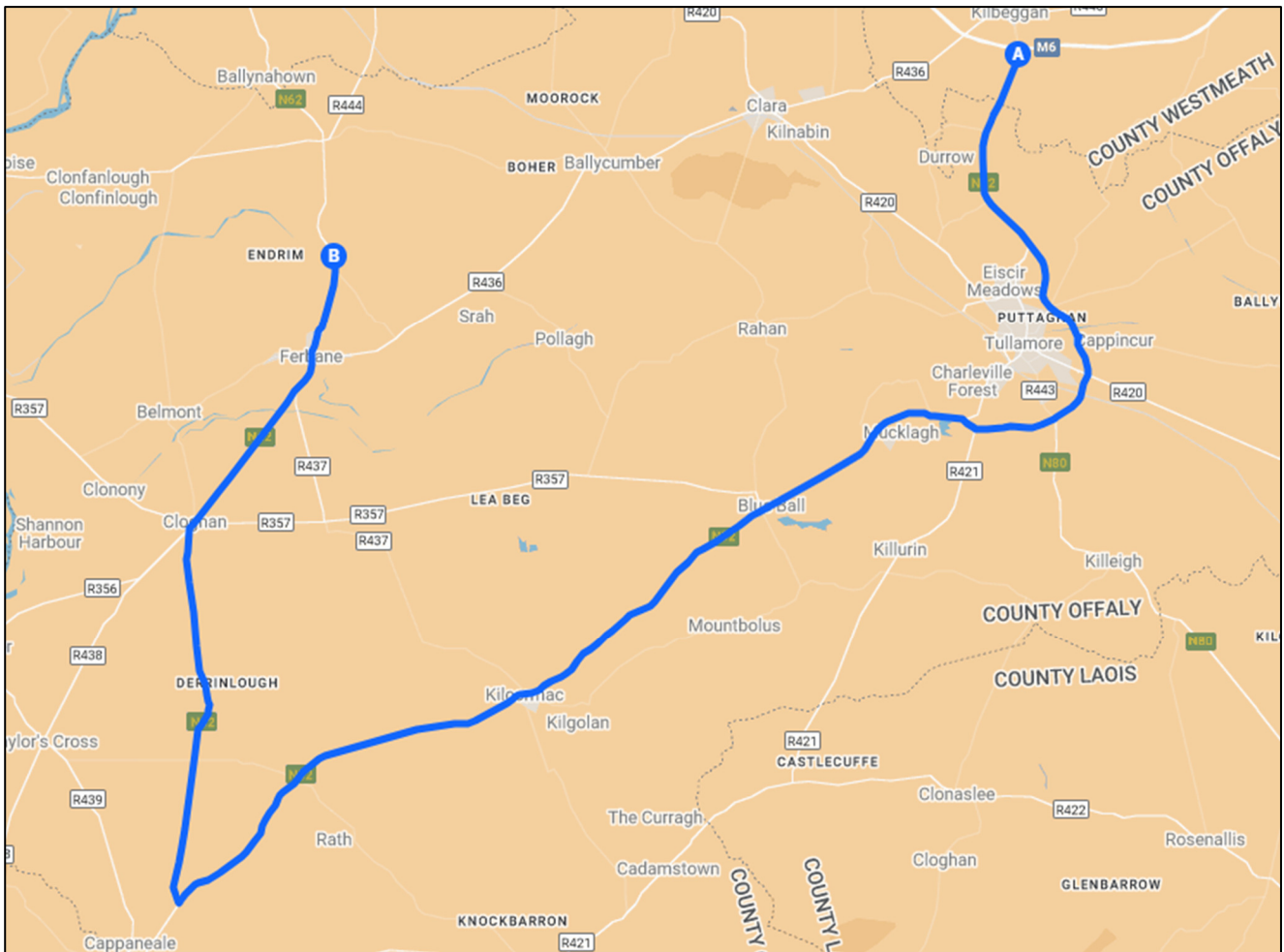
#### 3.3 Proposed Access Route

Bord na Mona requested that the study be completed from the M6 through to the proposed site entrance via the following route;

- Exit the M6 at Junction 5 joining the southbound N52;
- Loads will continue on the N52 to the junction with the N62 where they will turn right; and
- Loads will continue north on the N62 to the proposed site entrance located south of Corbane.

The proposed access route is illustrated in Figure 3-1.

Figure 3-1: Proposed Access Route









### 3.4 Route Constraints



The constraints noted during the review are provided in **Table 3-1** below.

**Table 3-1: Constraint Points and Details**



POI	Key Constraint	Details
<p>1, 2</p> 	<p><b>M6 / N52 and N52 / L5202 Roundabouts</b></p>	<p>Loads will take the third exit at the first roundabout to join the N52 southbound, undertaking a contraflow manoeuvre and then continue straight through the second roundabout.</p> <p><u>SG155 Blade &amp; Tower</u></p> <p>Three lighting columns and two road signs should be removed from the northern verge of the entry arm where loads will oversail a fence, gate and concrete pillars. A land search should be completed to confirm the extent of the available adopted boundary to the north.</p> <p>A load bearing surface should be laid in the southern verge of the entry arm to allow loads to overrun and oversail. Three lighting columns and three road signs should be removed.</p> <p>Two sets of chevron signs should be removed from the roundabout island.</p> <p>Loads will overrun and oversail the central reservation of the exit arm where a load bearing surface should be laid and two road signs should be removed.</p> <p>Loads will continue straight through the second roundabout. Permission should be sought to utilise the existing overrun area and extend as required. One set of chevron signs should be removed.</p> <p><u>SG170 Blade &amp; Tower</u></p> <p>Mitigation as per the SG155 with larger areas required.</p> <p>Swept path drawing SK00 included in Appendix B.</p>
<p>3</p> 	<p><b>Ardan Roundabout</b></p>	<p>Loads will enter the roundabout and take the second exit to continue on the N52.</p> <p><u>SG155 Blade &amp; Tower</u></p> <p>A swept path assessment has been undertaken and indicates that loads will oversail beyond the eastern verge on approach to the roundabout. One road sign should be removed.</p> <p>Loads will overrun and oversail on the central roundabout island where the existing load bearing surface should be utilised and extended, and one chevron sign should be removed.</p> <p><u>SG170 Blade &amp; Tower</u></p> <p>Mitigation as per the SG155 with the requirement for one additional chevron sign and one less road sign removal.</p> <p>Swept path drawing SK01 included in Appendix B.</p>



POI	Key Constraint	Details
4	<p><b>Cappancur Roundabout</b></p> 	<p>Loads will enter the roundabout undertaking a contraflow manoeuvre and take the second exit to continue on the N52.</p> <p><u>SG155 Blade &amp; Tower</u></p> <p>A swept path assessment has been undertaken and indicates that loads will overrun and oversail on the central roundabout island where a load bearing surface should be laid, and two chevron signs should be removed. Central island to be lowered to carriageway level. Existing utilities should be protected.</p> <p><u>SG170 Blade &amp; Tower</u></p> <p>Mitigation as per the SG155 with no additional requirement.</p> <p>Swept path drawing SK02 included in Appendix B.</p>
5	<p><b>Cloncollog Roundabout</b></p> 	<p>Loads will enter the roundabout undertaking a contraflow manoeuvre and take the second exit to continue on the N52.</p> <p><u>SG155 Blade &amp; Tower</u></p> <p>A swept path assessment has been undertaken and indicates that loads will overrun and oversail on the central roundabout island where a load bearing surface should be laid, and two chevron signs should be removed. Central island to be lowered to carriageway level. Existing utilities should be protected.</p> <p>Loads will oversail the western verge and splitter island however no works are required.</p> <p><u>SG170 Blade &amp; Tower</u></p> <p>Mitigation as per the SG155 with no additional requirement.</p> <p>Swept path drawing SK03 included in Appendix B.</p>
6	<p><b>Clonminch Roundabout</b></p> 	<p>Loads will enter the roundabout and take the second exit to continue on the N52.</p> <p><u>SG155 Blade &amp; Tower</u></p> <p>A swept path assessment has been undertaken and indicates that loads will oversail the southern verge on entry however no works are required.</p> <p>Loads will overrun and oversail on the central roundabout island where a load bearing surface should be laid, and two chevron signs should be removed. Central island to be lowered to carriageway level. Vegetation should be cleared.</p> <p>Loads will overrun the southern verge on exit of the roundabout where a load bearing surface should be laid.</p> <p><u>SG170 Blade &amp; Tower</u></p> <p>Mitigation as per the SG155 with the additional requirement for one bollard and one road sign on the exit splitter island to be removed.</p> <p>Swept path drawing SK04 included in Appendix B.</p>

POI	Key Constraint	Details
7	<p><b>Distillery Roundabout</b></p> 	<p>Loads will take the first exit at the roundabout to continue on the N52.</p> <p><b><u>SG155 Blade &amp; Tower</u></b></p> <p>A swept path assessment has been undertaken and indicates that loads will oversail the southern verge on entry to the roundabout however no works are required.</p> <p>Loads will overrun and oversail on the central roundabout island where the existing load bearing surface should be utilised and extended and two chevron signs should be removed.</p> <p><b><u>SG170 Blade &amp; Tower</u></b></p> <p>Mitigation as per the SG155 with additional oversail required on the exit splitter island and southern verge of the exit.</p> <p>Swept path drawing SK05 included in Appendix B.</p>
8	<p><b>Ballard Roundabout</b></p> 	<p>Loads will take the second exit at the roundabout to continue on the N52.</p> <p><b><u>SG155 Blade &amp; Tower</u></b></p> <p>A swept path assessment has been undertaken and indicates that loads will oversail the safety barrier on the southern verge on entry to the roundabout.</p> <p>Loads will overrun and oversail on the central roundabout island where the existing load bearing surface should be utilised and extended. Two chevron signs and one road sign should be removed.</p> <p>Loads will oversail both verges on exit where one road sign and two bollards should be removed.</p> <p><b><u>SG170 Blade &amp; Tower</u></b></p> <p>Mitigation as per the SG155 without the requirement for oversail of the safety barrier on entry to the roundabout.</p> <p>Swept path drawing SK06 included in Appendix B.</p>
9	<p><b>Charleville Roundabout</b></p> 	<p>Loads will take the first exit at the roundabout to continue on the N52.</p> <p><b><u>SG155 Blade &amp; Tower</u></b></p> <p>A swept path assessment has been undertaken and indicates that loads will oversail the southern verge on entry to the roundabout where two road signs should be removed.</p> <p>Loads will overrun and oversail on the central roundabout island where a load bearing surface should be laid.</p> <p>Loads will oversail the southern verge on exit however no works are required.</p> <p><b><u>SG170 Blade &amp; Tower</u></b></p> <p>Mitigation as per the SG155 with the requirement for one road sign to be removed from the entry splitter island, one chevron sign to be removed from the central island, a load bearing surface to be laid on the exit splitter island along with one road sign and two bollards to be removed.</p> <p>Swept path drawing SK07 included in Appendix B.</p>

POI	Key Constraint	Details
10	<p><b>Mucklagh Roundabout</b></p> 	<p>Loads will take the second exit at the roundabout to continue on the N52.</p> <p><b><u>SG155 Blade &amp; Tower</u></b></p> <p>A swept path assessment has been undertaken and indicates that loads will oversail the southern verge on entry to the roundabout however no works are required.</p> <p>Loads will overrun and oversail on the central roundabout island where a load bearing surface should be laid. One chevron sign should be removed. Central island to be lowered to carriageway level.</p> <p>Loads will oversail the southern verge on exit however no works are required.</p> <p><b><u>SG170 Blade &amp; Tower</u></b></p> <p>Mitigation as per the SG155 with the requirement for one road sign and one bollard to be removed from the exit splitter island.</p> <p>Swept path drawing SK08 included in Appendix B.</p>
11	<p><b>N52 Kilcormac</b></p> 	<p>Loads will continue west on the N52 through Kilcormac.</p> <p><b><u>SG155</u></b></p> <p>The swept path assessment indicates that loads will oversail the splitter island through the initial right bend where bollards should be oversailed. Loads will oversail the northern footway on the inside of the following right bend.</p> <p>Loads will oversail the southern footway through the final left bend. Parking should be temporarily suspended in the parking bays to allow loads to utilise the area for overrun.</p> <p><b><u>SG170</u></b></p> <p>Loads will require mitigation in the same areas as the SG155 with larger areas required. A load bearing surface should be laid in the southern verge of the right bend and the northern verge of the left bend.</p> <p>Swept path assessments SK09a and SK09c are included in Appendix A.</p>

POI	Key Constraint	Details
12	<p><b>N52 / N62 Junction</b></p> 	<p>Loads will turn right onto the N62 using a bypass track constructed for an other project.</p> <p><u>SG155</u> The swept path assessment indicates that loads will oversail the verge of the bypass track where two trees should be removed.</p> <p>Loads will oversail both verges of the N62 on exit from the junction and through the following right bend.</p> <p><u>SG170</u> Loads will require mitigation in the same areas as the SG155 with larger areas required. An addition three trees should be removed along with fencing. A small area of additional load bearing surfacing is required.</p> <p>Through the following right bend, loads will oversail the wooden fence where potential <b>third party land</b> is required to the east of the road.</p> <p>Bord na Móna have indicated that they have control of the land required for these manoeuvres.</p> <p>Swept path assessments SK10a, SK10c, SK11a and SK11c are included in Appendix A.</p>
13	<p><b>N62 South of BnM Briquette Factory</b></p> 	<p>Loads will continue north east on the N62.</p> <p><u>SG155</u> The swept path assessment indicates that loads will negotiate the bend without the need for physical mitigation.</p> <p><u>SG170</u> Loads will oversail both verges through the right bend however no physical mitigation is required.</p> <p>Swept path assessments SK012b, SK13 and SK13a are included in Appendix A.</p>
14	<p><b>N62 BnM Briquette Factory</b></p> 	<p>Loads will continue north on the N62.</p> <p><u>SG155</u> The swept path assessment indicates that loads will negotiate the bend without the need for mitigation.</p> <p><u>SG170</u> The swept path assessment indicates that loads will negotiate the bend without the need for mitigation.</p> <p>Swept path assessments SK14 and SK14a are included in Appendix A.</p>

POI	Key Constraint	Details
15	<p><b>N62 Cloghan</b></p> 	<p>Loads will turn right at the junction in Cloghan.</p> <p><u>SG155</u>          The swept path assessment indicates that loads oversail the western footway on approach to the junction where two road signs and one lighting column should be removed.</p> <p>Loads will overrun and oversail the footway on the inside of the turn where a load bearing surface should be laid and one road sign and the traffic bollards should be removed.</p> <p>Loads will overrun and oversail the north western footway where a load bearing surface should be laid and two road signs and one lighting column should be removed. Clearances are highly constrained at this location.</p> <p><u>SG170</u>          In addition to the works required for the SG155, the SG170 would oversail into third party land to the west of the approach road and one utility pole would need to be removed.</p> <p>One utility pole should be removed from the north western footway.</p> <p>Swept path assessments SK15a and SK15c are included in Appendix A.</p>
16	<p><b>N62 Ferbane</b></p> 	<p>Loads will continue north through the left bend.</p> <p><u>SG155</u>          The swept path assessment indicates that loads will oversail the verge on the inside of the left bend.</p> <p><u>SG170</u>          Loads the oversail into the same area with a larger area required.</p> <p>Swept path assessments SK16a and SK16c are included in Appendix A.</p>

POI	Key Constraint	Details
17	<p><b>N62 Ferbane</b></p> 	<p>Loads will continue through the town of Ferbane.</p> <p>A traffic management plan should be prepared to control load movements through the town.</p> <p><u>SG155</u>          The swept path assessment indicates that loads will oversail the western verge on approach to the bend where one road sign should be removed and parking should be suspended.</p> <p>Loads will oversail the bus stop on the inside of the bend. Its use should be suspended.</p> <p><u>SG170</u>          Loads the oversail into the same areas with larger areas required. One additional electricity pole and bollards should be removed. Loads will overrun the western footway where a load bearing surface should be laid.</p> <p>Swept path assessments SK17a and SK17c are included in Appendix A.</p>
18	<p><b>N62 Ferbane</b></p> 	<p>Loads will continue exiting the town of Ferbane.</p> <p><u>SG155</u>          The swept path assessment indicates that loads will oversail both footways through the right / left bend section. One road sign should be removed from the inside of the final left bend.</p> <p><u>SG170</u>          Loads the oversail into the same areas with larger areas required.</p> <p>Swept path assessments SK18a and SK18c are included in Appendix A.</p>
19	<p><b>N62 Proposed Site Entrance</b></p> 	<p>Loads will turn right into the proposed site entrance.</p> <p>The existing entrance will need to be upgraded to meet manufacturer and road authority standards.</p> <p>A full detailed design of the junction is required. A tree and road sign on the N62 will need to be removed. The exiting structure over the railway will need to be removed and the railway cutting crossed by a new structure.</p> <p>Swept path assessments SK19 - SK19c are included in Appendix B.</p>

### 3.5 Swept Path Assessment Results and Summary

The detailed swept path drawings for the locations assessed are provided in Appendix B for review. The drawings illustrate tracking undertaken for the worst-case loads at each location.

The colours illustrated on the swept paths are:

- Grey / Black – OS / Topographical Base Mapping;
- Green – Vehicle body outline (body swept path);
- Red – Tracked pathway of the wheels (wheel swept path); and
- Purple – The oversail tracked path of the load where it encroaches out with the trailer (load swept path).

Where mitigation works are required, the extents of the overrun and oversail areas are illustrated on the swept path drawings. Additional land areas to those indicated in the swept path assessment drawings may be required to facilitate the construction of the proposed physical mitigation measures depending on the site conditions and topography. The extent of any additional areas required to construct the mitigation works highlighted within this study and the detailed design of said mitigation works is beyond the scope of this study and should be confirmed on detailed topographical survey data.

Please note that where assessments have been undertaken using Ordnance Survey (OS) base mapping, CAD based aerial mapping and historic topographical data, there can be errors in these data sources.

Where provided by the client, topographical data has been utilised. Please note that PF cannot accept liability for errors on the data source, be that OS base mapping, aerial mapping, historic topographical surveys or client supplied data. Mapping has been augmented with aerial imagery for illustration only. The accuracy of this mapping cannot be confirmed by PF.

Please note that turbine supplier guidance suggests that the minimum road width for the safe transport of ALL components is 4.5 m. All public roads and onsite access tracks should comply with this standard unless a relaxation has been agreed with suppliers.

The need to widen public roads will require engagement with the relevant road authority and may constitute permanent or temporary surfacing.

### 3.6 Third Party Land & Land Ownership

A review of third-party land should be undertaken by the client to ensure that no additional land rights are required to enable deliveries or mitigation works. PF accepts no responsibility for the accuracy of land ownership assumptions, all of which should be confirmed across the entire access route by a qualified land agent.

The limits of road adoption can vary depending upon the location of the site and the history of the road agencies involved. The adopted area is generally defined as land contained within a defined boundary where the road agency holds the maintenance rights for the land. In urban areas, this is usually defined as the area from the edge of the footway across the road to the opposing footway back edge.

In rural areas, the area of adoption can be open to greater interpretation as defined boundaries may not be readily visible. In these locations, the general rule is that the area of adoption is between established field boundary lines or a maximum 3 m from the road edge. This can vary between area and location.

## 4 Summary

### 4.1 Summary of Access Review

Pell Frischmann Consultants Ltd (PF) has been commissioned by Bord na Móna PowerGen (Bord na Móna) to undertake a partial Route Survey Review (RSR) to examine the issues associated with the transport of wind turbine Abnormal Indivisible Loads (AIL) associated with the construction and development of the proposed Lemanaghan Wind Farm, located to the north of Ferbane, County Offaly, Ireland.

This report identifies the key points and issues associated with the proposed routes and outlines the issues that will need to be considered for successful delivery of the components.

Additional third-party land uptake is required in multiple locations along the length of the route to enable delivery of the loads. Land searches and topographical surveys are recommended with the swept path assessments to be repeated following the surveys in order to confirm land uptake.

The report is presented to Bord na Móna for consideration. Various road modifications and interventions are required to successfully access the site. If these are assessed, approved and undertaken, access to the site is considered feasible.

### 4.2 Further Actions

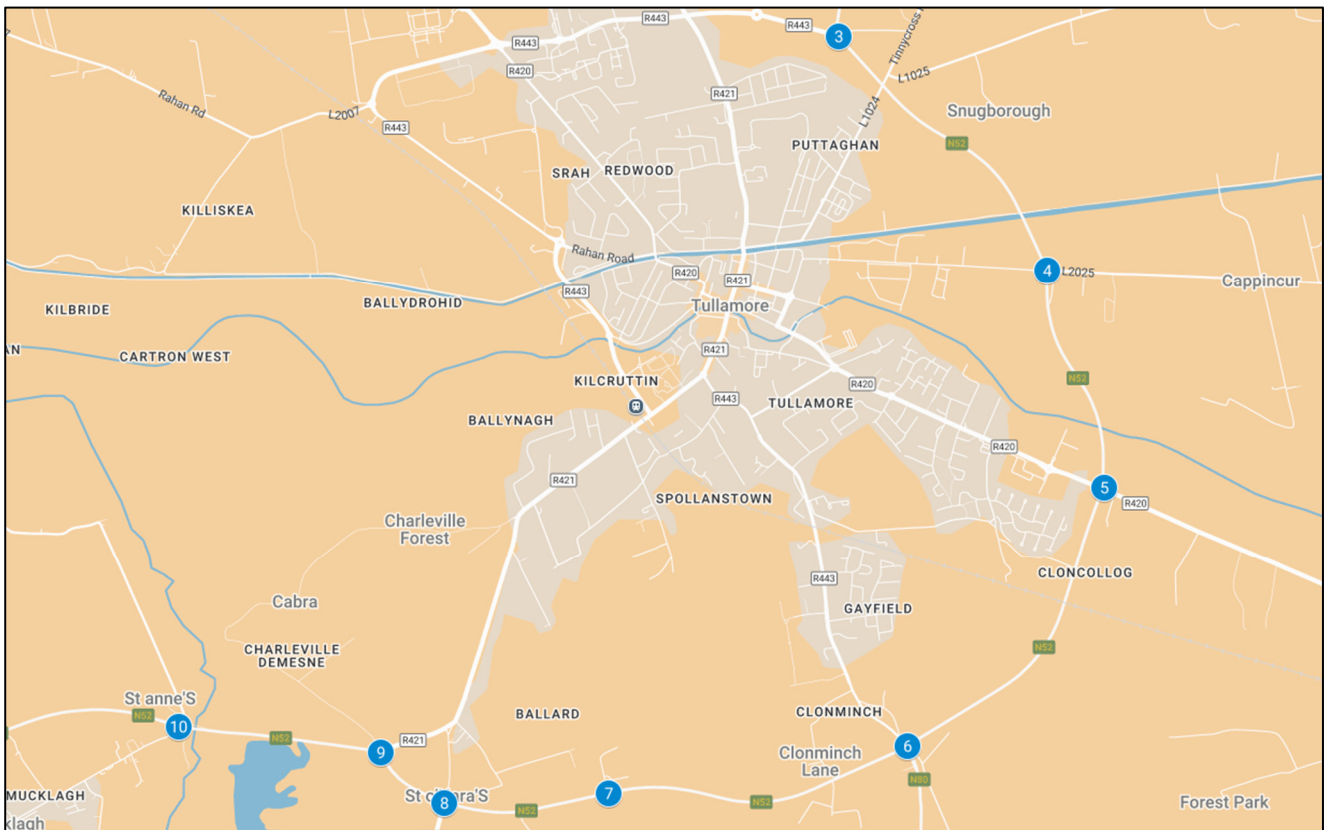
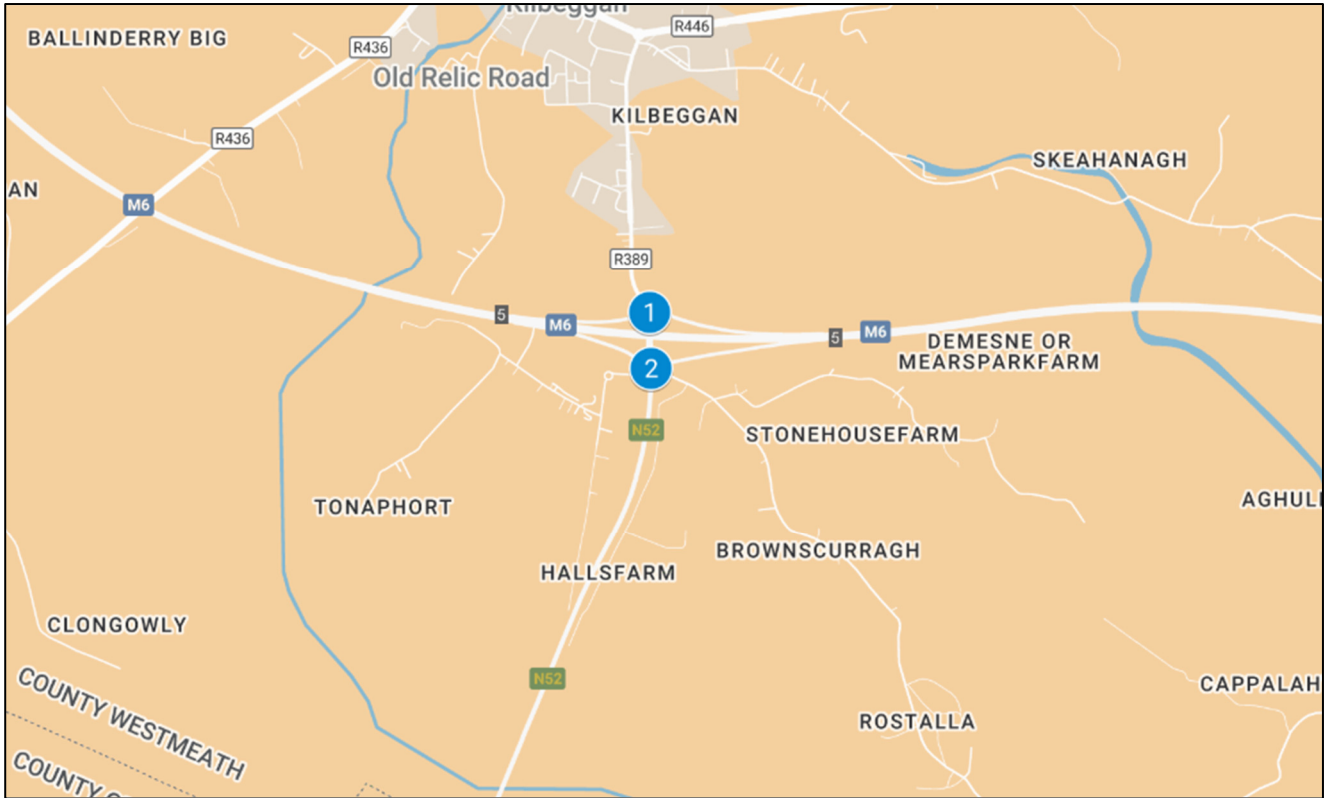
The following actions are recommended to pursue the transport and access issues further:

- Prepare detailed mitigation design proposals to help inform the land option / consultee discussions;
- Obtain the necessary land options;
- Undertake discussion with the affected utility providers and roads agencies;
- Undertake topographical survey at the identified locations and repeat the swept path assessments to confirm mitigations measures;
- Obtain the necessary statutory licences to enable the mitigation measures; and
- Develop a detailed operational Transport Management Plan to assist in transporting the proposed loads.

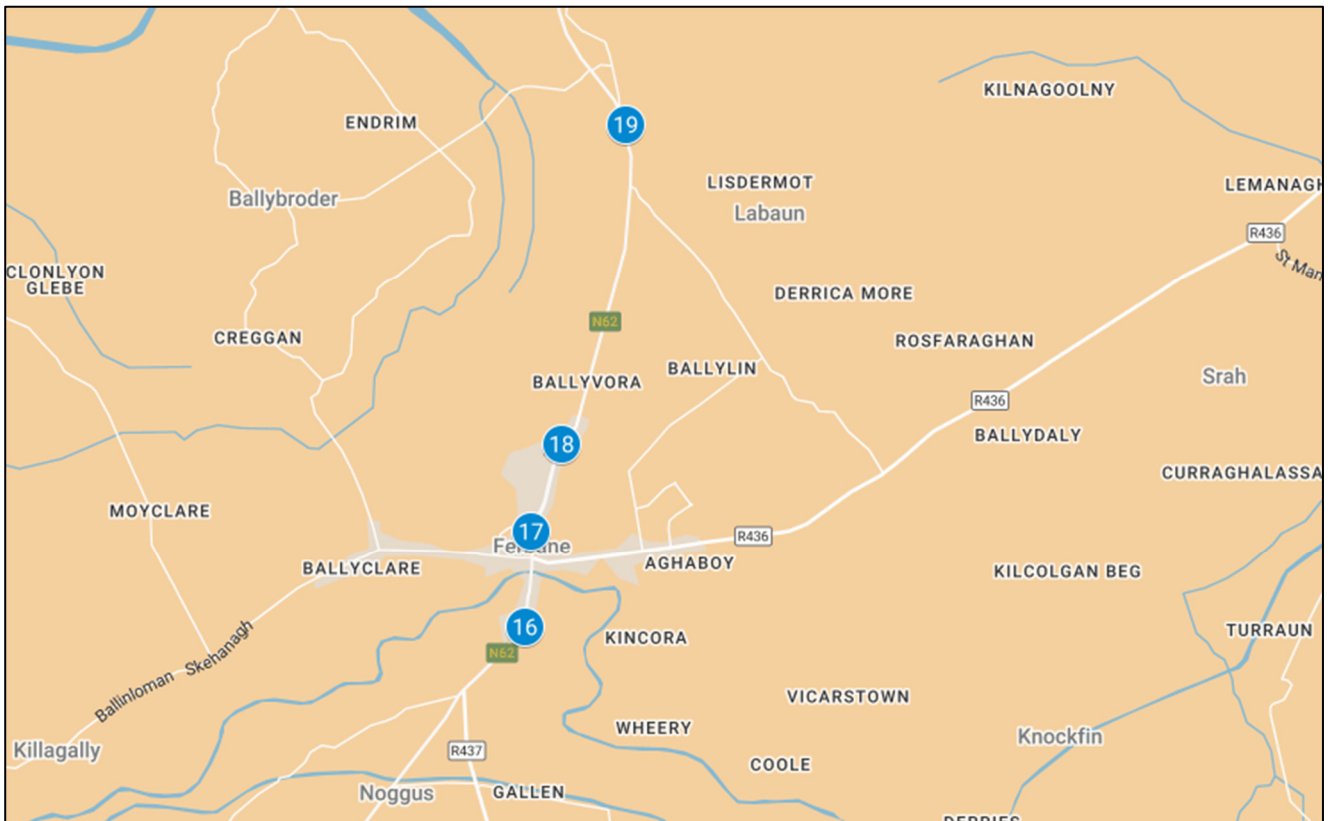
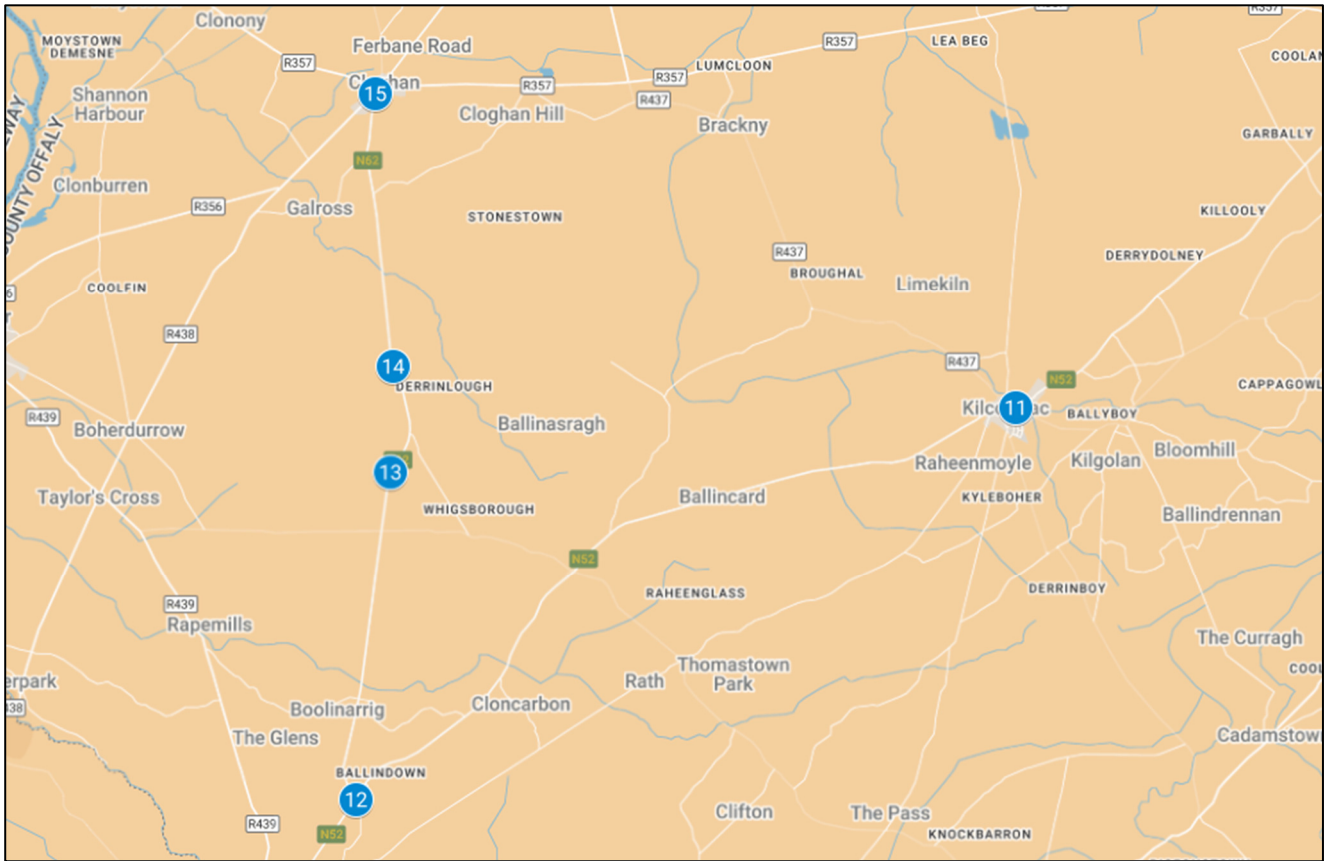
## Appendix A Points Of Interest

An electronic version of the POI plans can be found here:

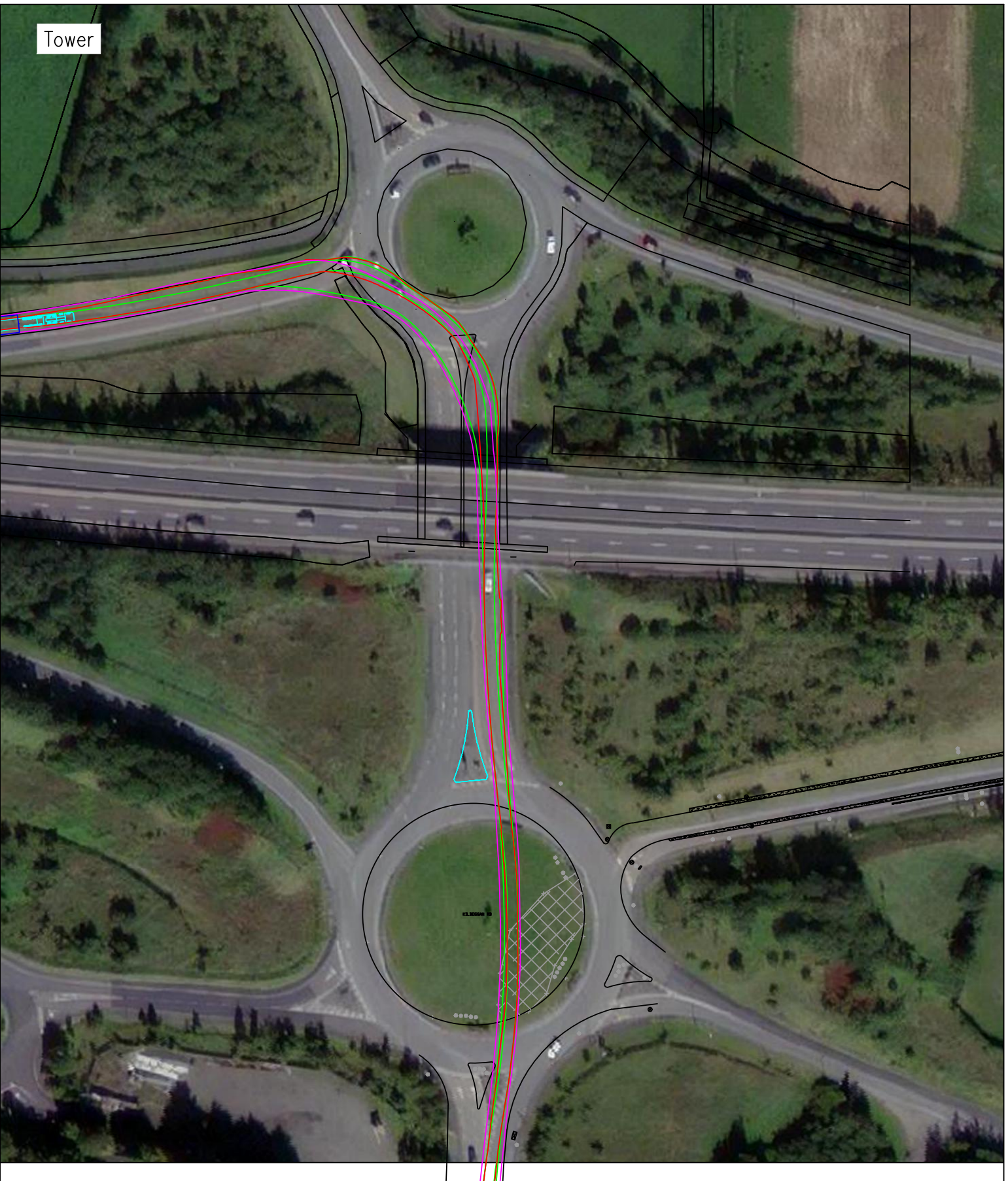
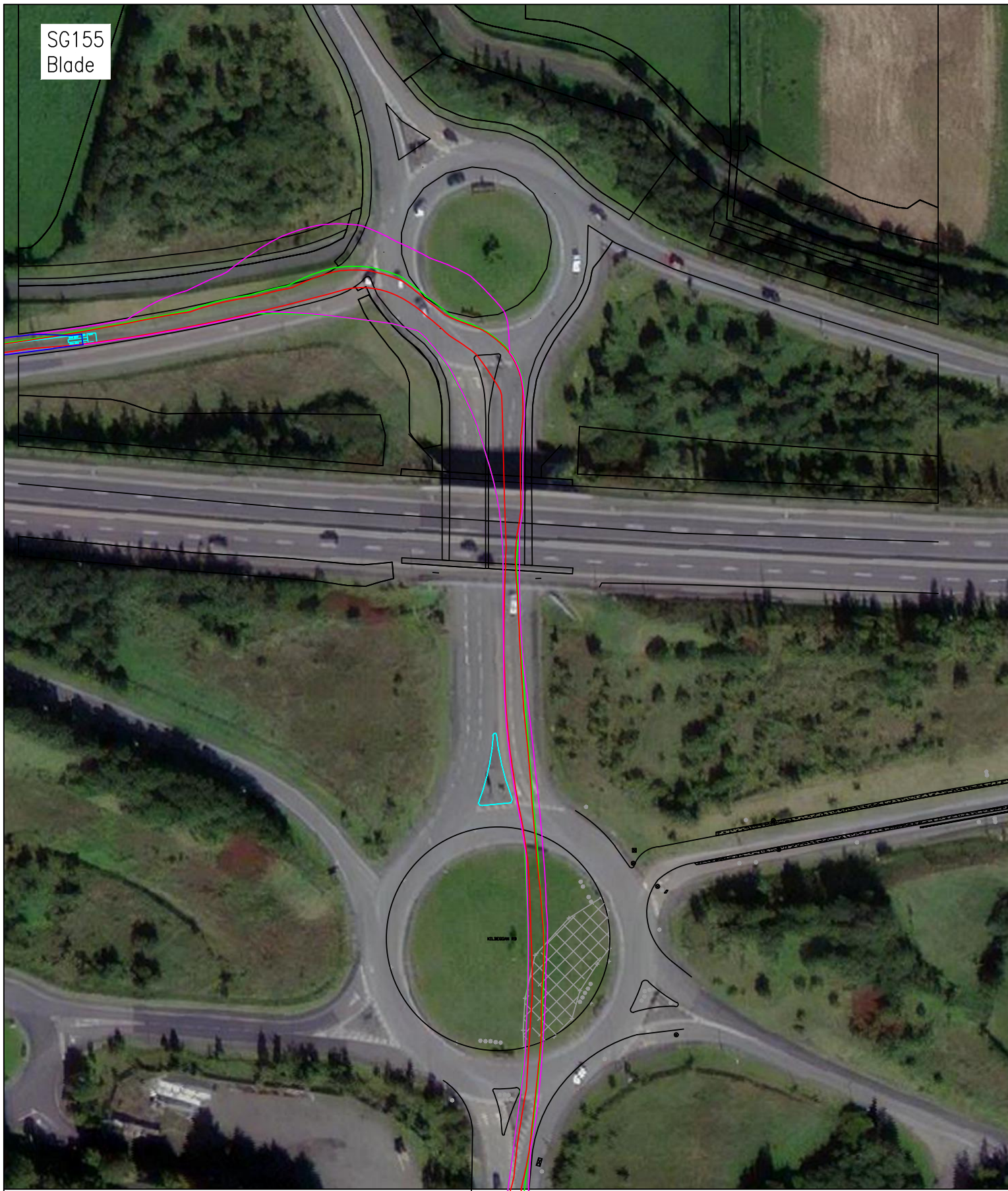
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Lemanaghan Wind Farm  
Abnormal Indivisible Load Route Survey



## Appendix B Swept Path Assessment



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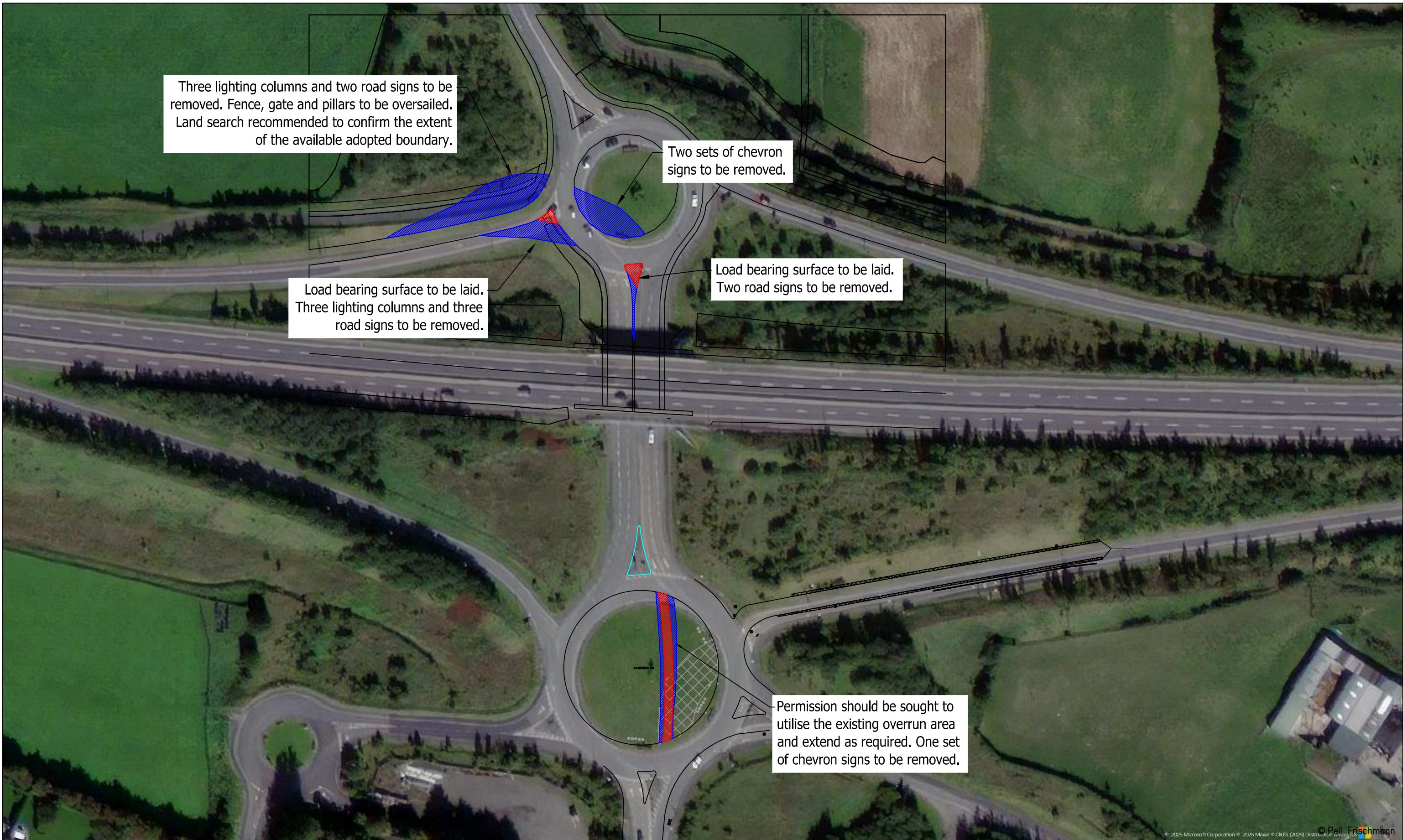
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Client **Bord na Mona**

Key  
 Wheel SPA (Red line)  
 Body SPA (Green line)  
 Load SPA (Magenta line)  
 Indicative (Cyan line)  
 Overrun (Red hatched box)  
 Oversail (Blue hatched box)

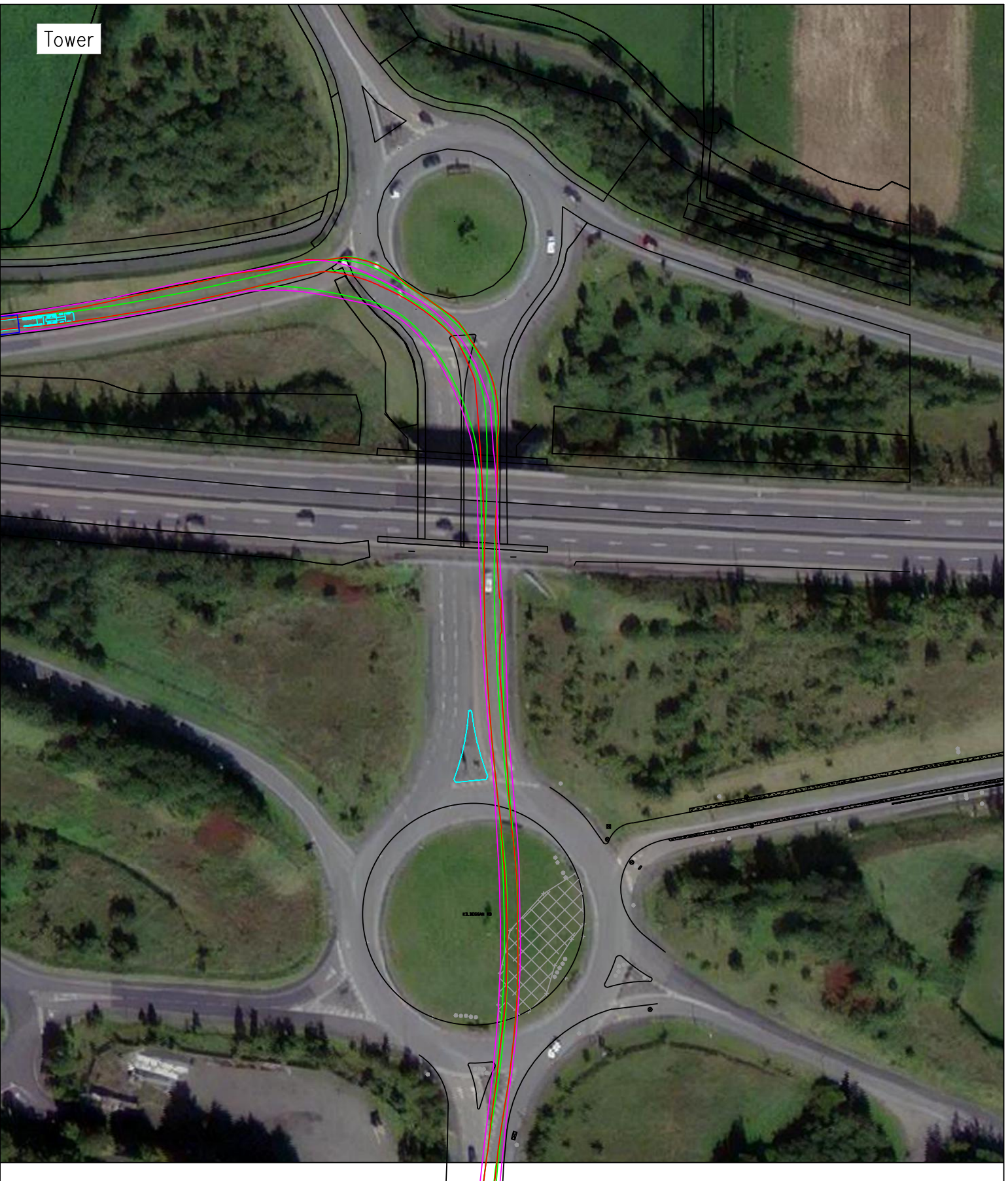
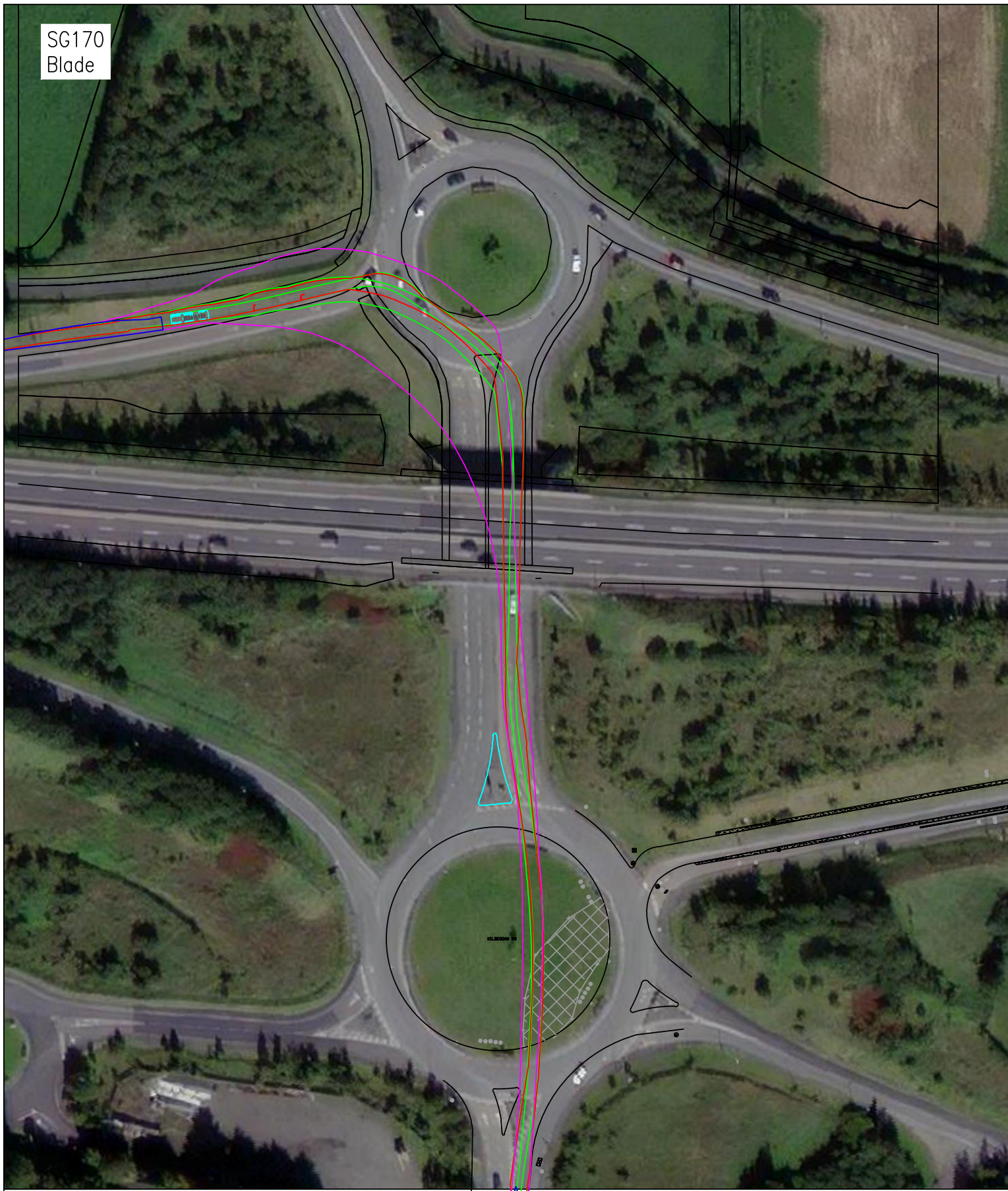
Project	Lemanaghan Wind Farm
Drawing Title	SG155 & SG170 Blade & Tower
SPA Location	M6 Slip Road / N52 Roundabout

Drawn	TJL	11/06/2025	Scale	Custom @ A3
Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
Checked	TL	11/06/2025	Drawing Status	Draft
Point of Interest	1, 2		Drawing No.	SK00
Notes:				Revision
1. All mitigation is subject to confirmation through a test run.				00
2. This is not a construction drawing and is intended for illustration purposes only.				



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<b>Pell Frischmann</b> 93 GEORGE STREET, EDINBURGH, EH2 3ES Tel: +44 (0)131 240 1270 Email: pfedinburgh@pellfrischmann.com www.pellfrischmann.com	Project	Lemanaghan Wind Farm			Name	TJL	Date	11/06/2025	Scale	Custom @ A3
	Client	Bord na Mona			Drawn	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower			Designed	TJL	11/06/2025	Drawing Status	Draft	
	SPA Location	M6 Slip Road / N52 Roundabout			Checked	TL	11/06/2025	Point of Interest	1, 2	
					Drawing No.	SK00A			Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.			00	



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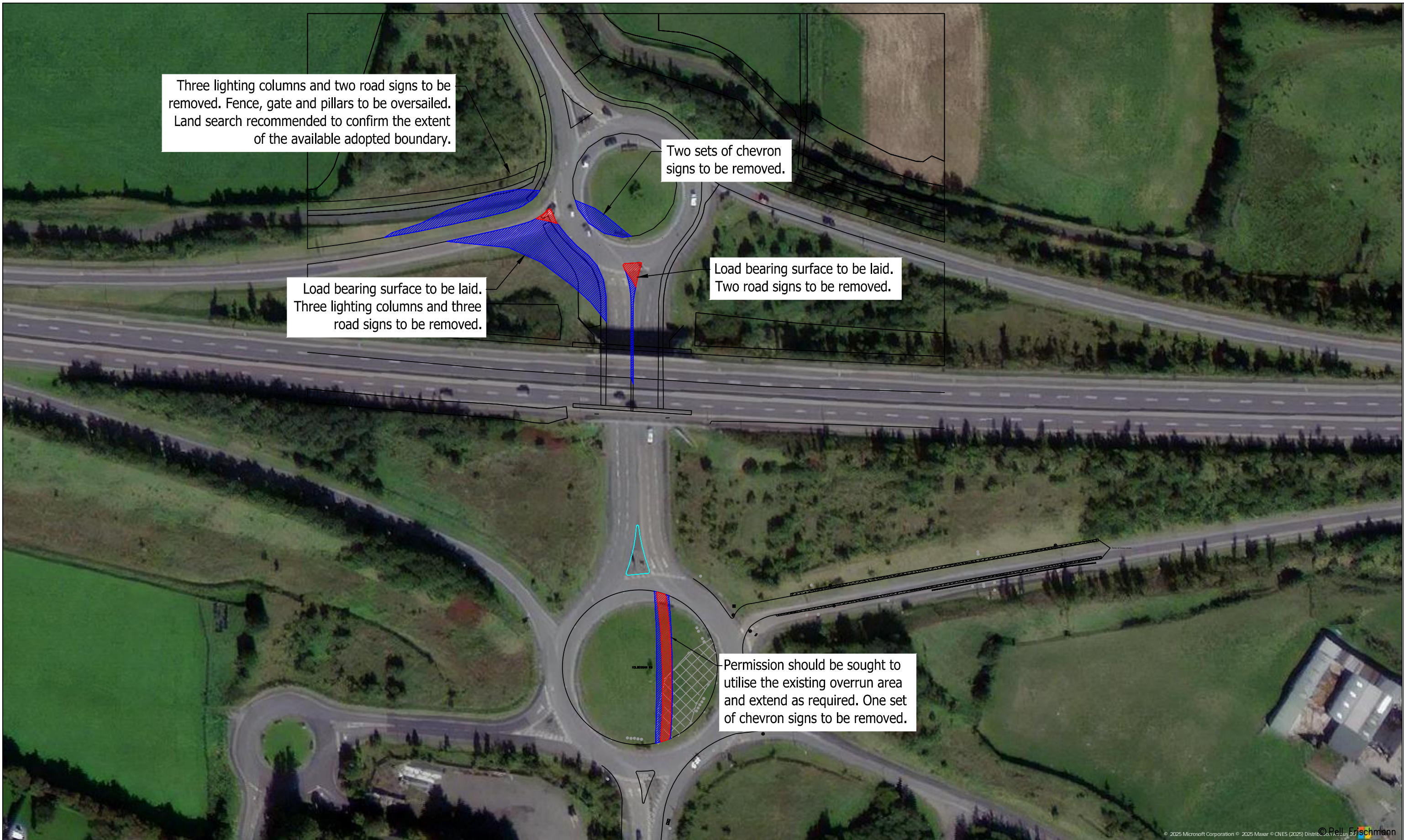
**Pell Frischmann**  
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 Email: ptedinburgh@pellfrischmann.com  
 www.pellfrischmann.com

Client **Bord na Mona**

Key  
 Wheel SPA (Red line)  
 Body SPA (Green line)  
 Load SPA (Magenta line)  
 Indicative (Cyan line)  
 Overrun (Red hatched box)  
 Oversail (Blue hatched box)

Project	Lemanaghan Wind Farm
Drawing Title	SG155 & SG170 Blade & Tower
SPA Location	M6 Slip Road / N52 Roundabout

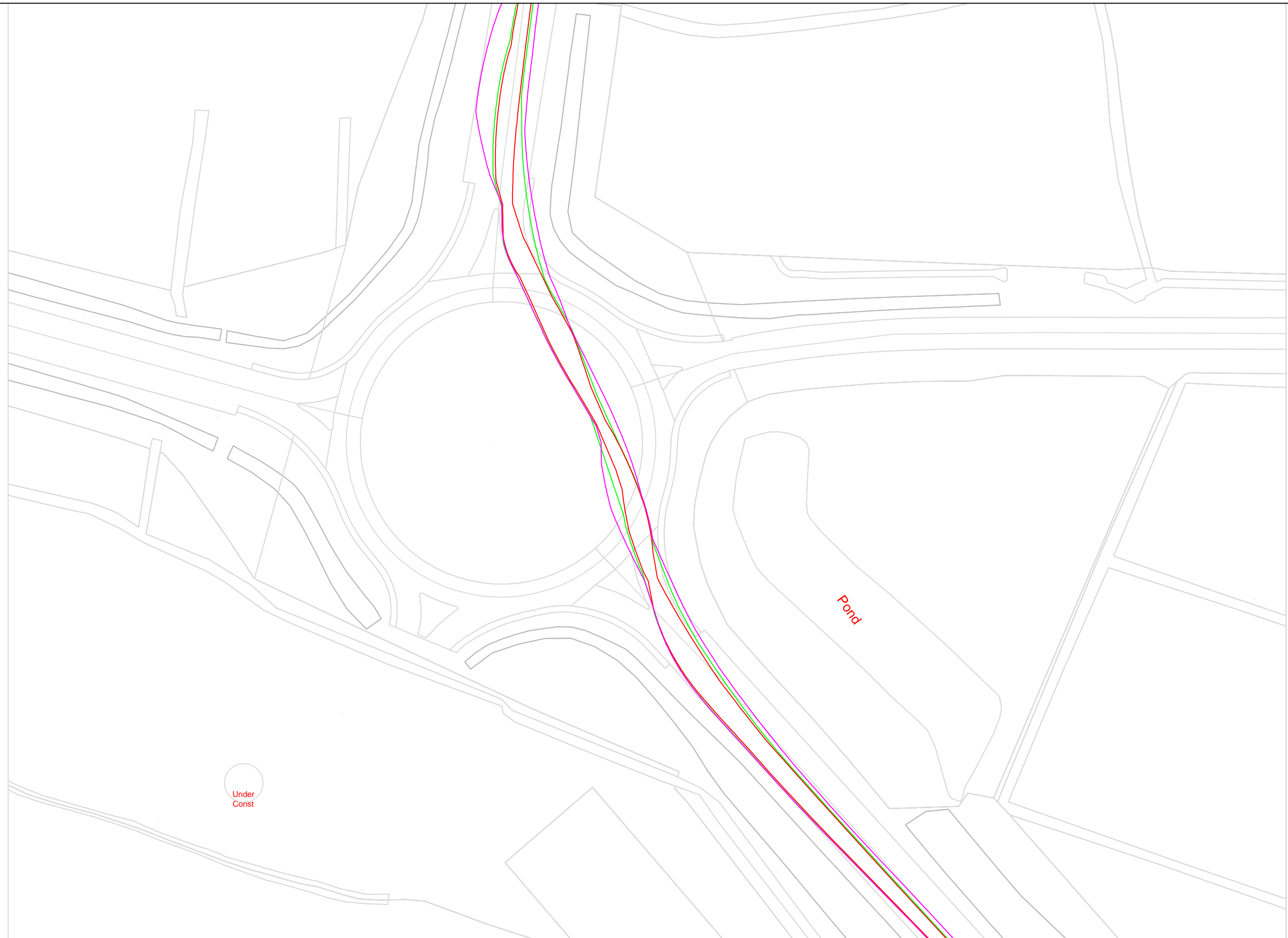
Drawn	TJL	11/06/2025	Scale	Custom @ A3
Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
Checked	TL	11/06/2025	Drawing Status	Draft
Point of Interest	1, 2		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	Revision
Drawing No.	SK00B			00



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	Client	Bord na Mona			Designed	TJL	Date	11/06/2025	File No.	250606 Lemnaghan Wind Farm.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower			Checked	TL	Date	11/06/2025	Drawing Status	Draft
	SPA Location	M6 Slip Road / N52 Roundabout			Point of Interest	1, 2			Revision	00
					Drawing No.	SK00C			Notes:	
								1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.		

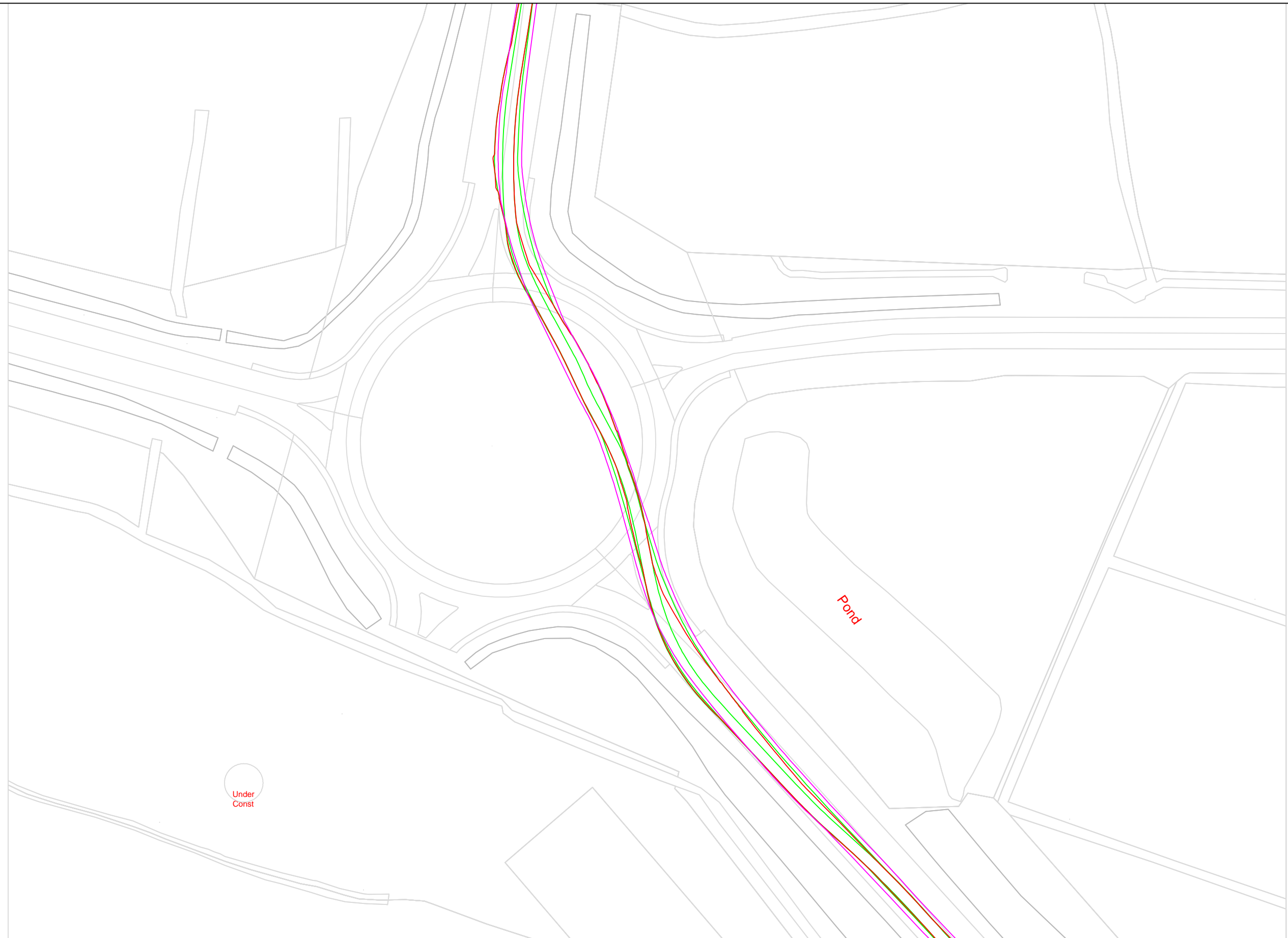
SG155  
Blade



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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Ardan Roundabout	Point of Interest	3		Drawing No.	SK01
		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.				Revision	00

Tower



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Project

Lemanaghan Wind Farm

	Name	Date
Drawn	TJL	11/06/2025
Designed	TJL	11/06/2025
Checked	TL	11/06/2025

Scale 1:1000 @ A3

File No. 250606 Lemanaghan Wind Farm.dwg

Drawing Status Draft

Client

Bord na Mona

Drawing Title

SG155 & SG170 Blade & Tower

Point of Interest 3

Drawing No. SK01A

Notes:  
1. All mitigation is subject to confirmation through a test run.  
2. This is not a construction drawing and is intended for illustration purposes only.

Revision 00

Key	Wheel SPA	Body SPA	Load SPA	Indicative	Overrun	Oversail

SPA Location

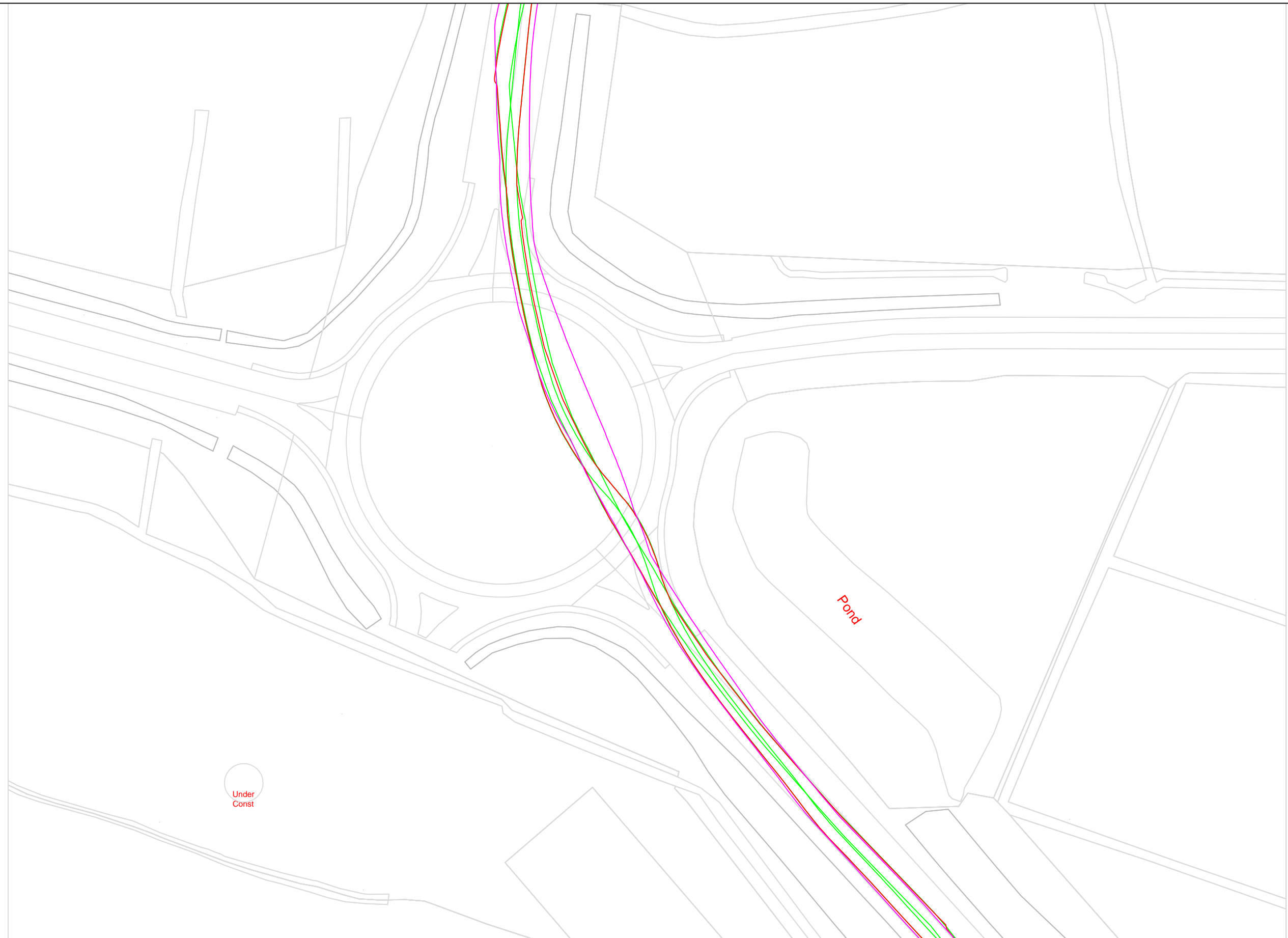
Ardan Roundabout



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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Ardan Roundabout	Point of Interest	3		Drawing No.	SK01B
		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.				Revision	00

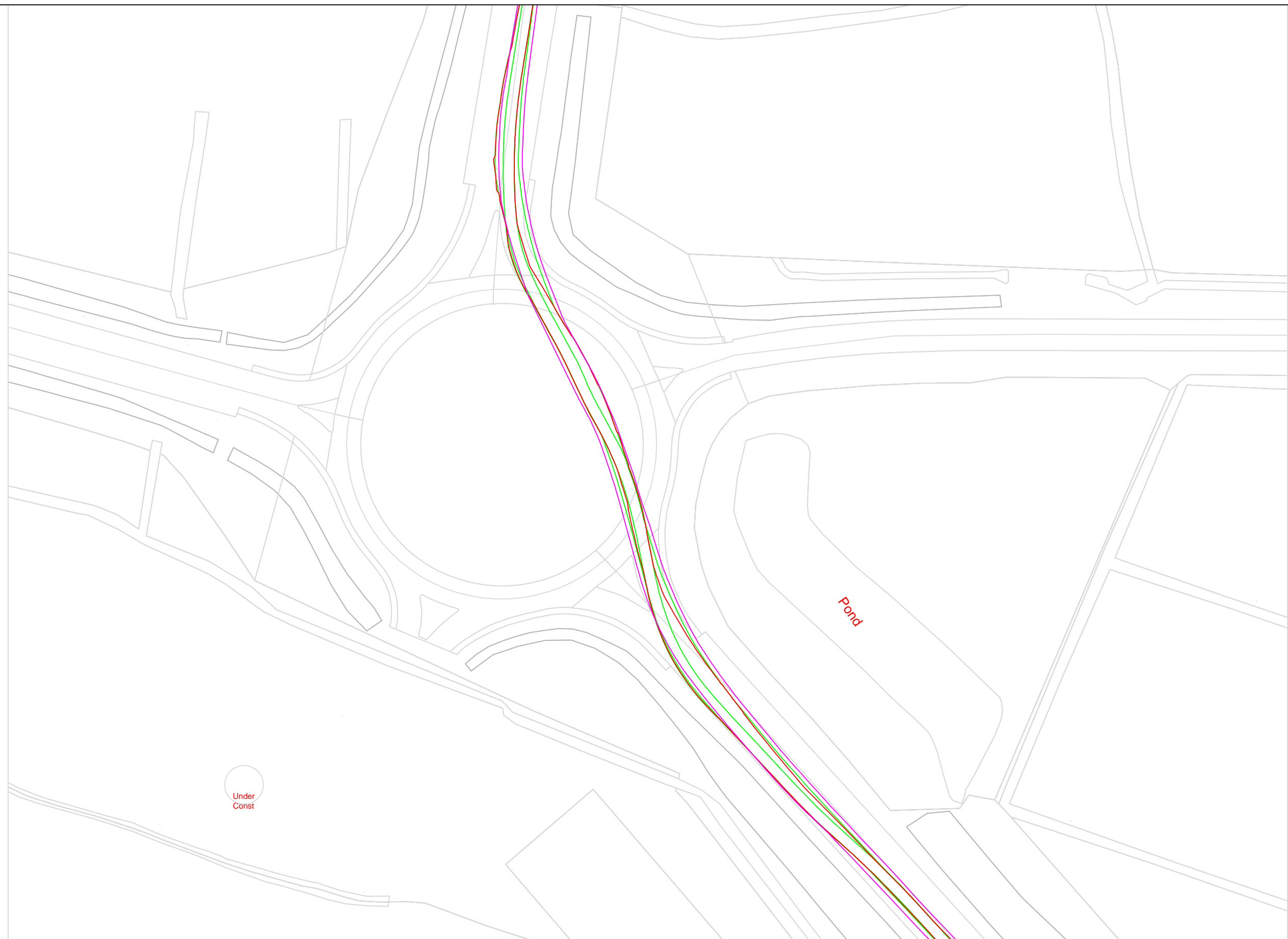
SG170  
Blade



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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Ardan Roundabout	Point of Interest	3		Drawing No.	SK01C
		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.				Revision	00

Tower



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	Client	Bord na Mona		Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower		Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Ardan Roundabout		Point of Interest	3		Drawing No.	SK01D	Revision
				<b>Notes:</b> 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.					

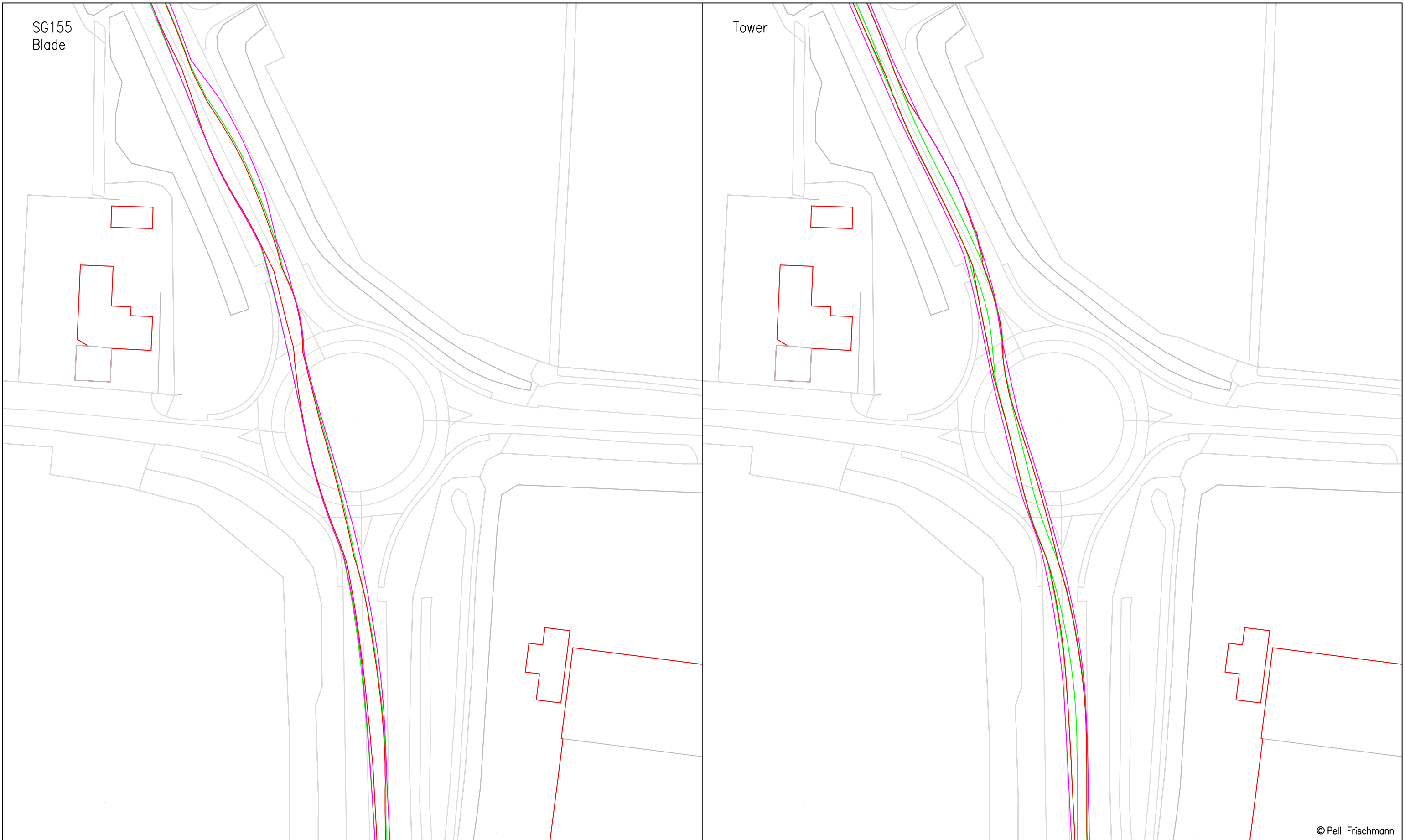


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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Ardan Roundabout	Point of Interest	3		Drawing No.	SK01E
		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.				Revision	00

SG155  
Blade

Tower



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Project

Lemanaghan Wind Farm

	Name	Date	Scale
Drawn	TJL	11/06/2025	1:1000 @ A3
Designed	TJL	11/06/2025	File No. 250606 Lemanaghan Wind Farm.dwg
Checked	TL	11/06/2025	
Point of Interest			Drawing Status
4			Draft

Client

Bord na Mona

Drawing Title

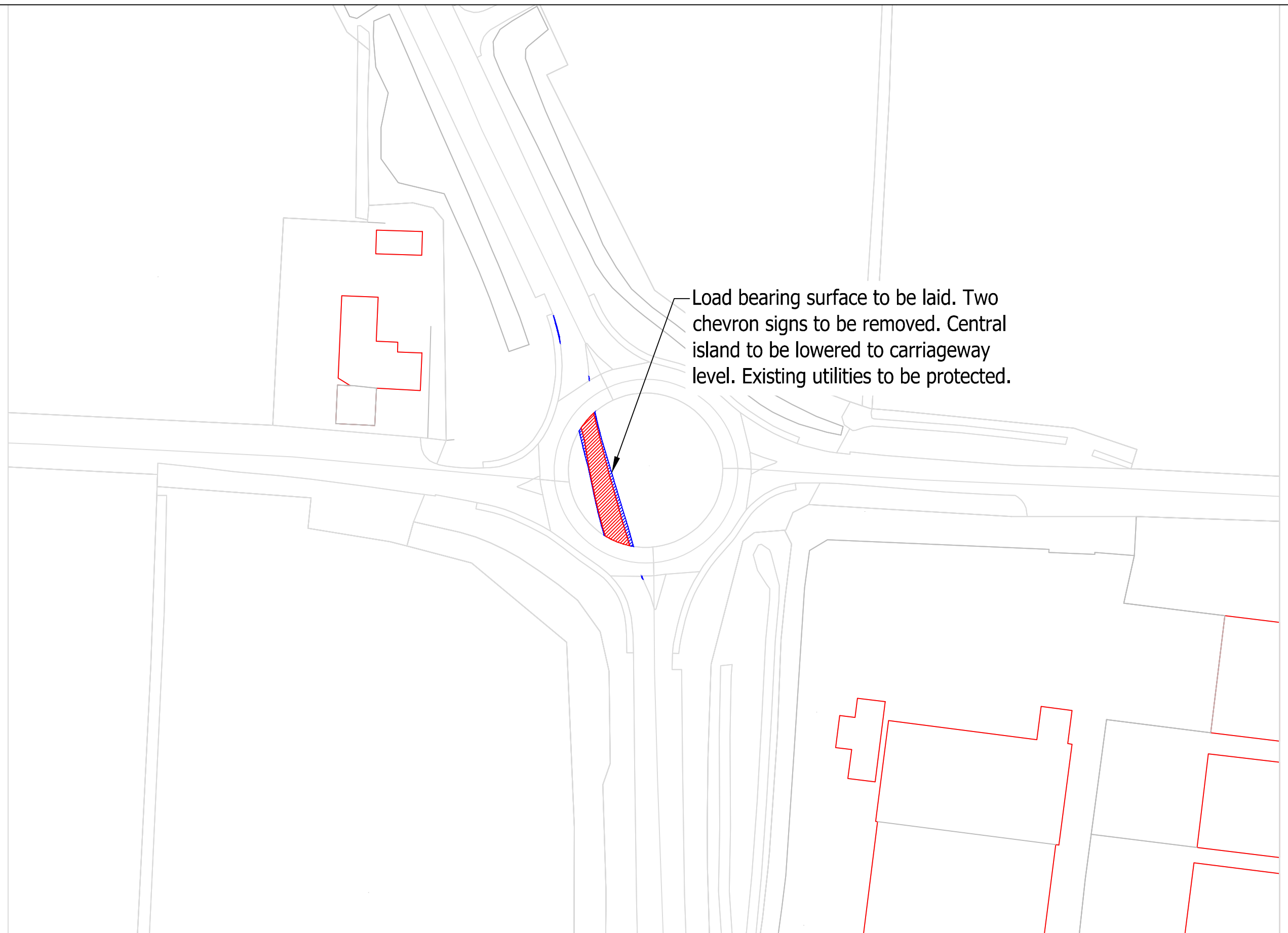
SG155 & SG170 Blade & Tower

SPA Location

Cappancur Roundabout

Key						
	Wheel SPA	Body SPA	Load SPA	Indicative	Overrun	Oversail

Drawing No.	Notes:	Revision
SK02	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	00



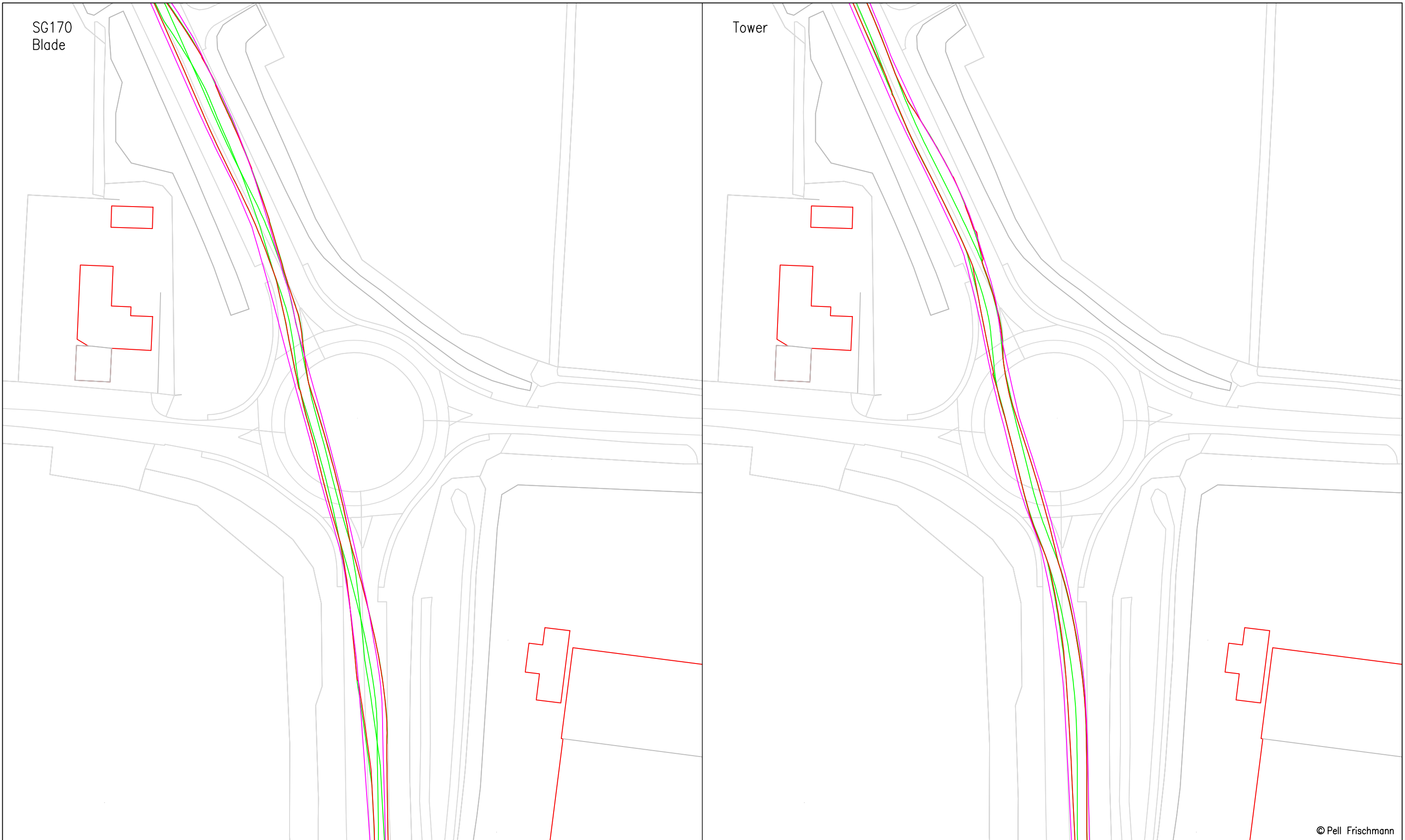
Load bearing surface to be laid. Two chevron signs to be removed. Central island to be lowered to carriageway level. Existing utilities to be protected.

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	Client	Bord na Mona	Drawn	TJL	Designed	TJL	11/06/2025	File No.
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft	Revision 00
	SPA Location	Cappancur Roundabout	Point of Interest	4	Drawing No.	SK02A	Notes:	

SG170  
Blade

Tower



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Project

Lemanaghan Wind Farm

	Name	Date	Scale	Custom @ A3
Drawn	TJL	11/06/2025	File No. 250606 Lemanaghan Wind Farm.dwg	Drawing Status
Designed	TJL	11/06/2025		
Checked	TL	11/06/2025		
Point of Interest			4	Draft
Drawing No.	Notes:			Revision
SK02B	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.			00

Client

Bord na Mona

Drawing Title

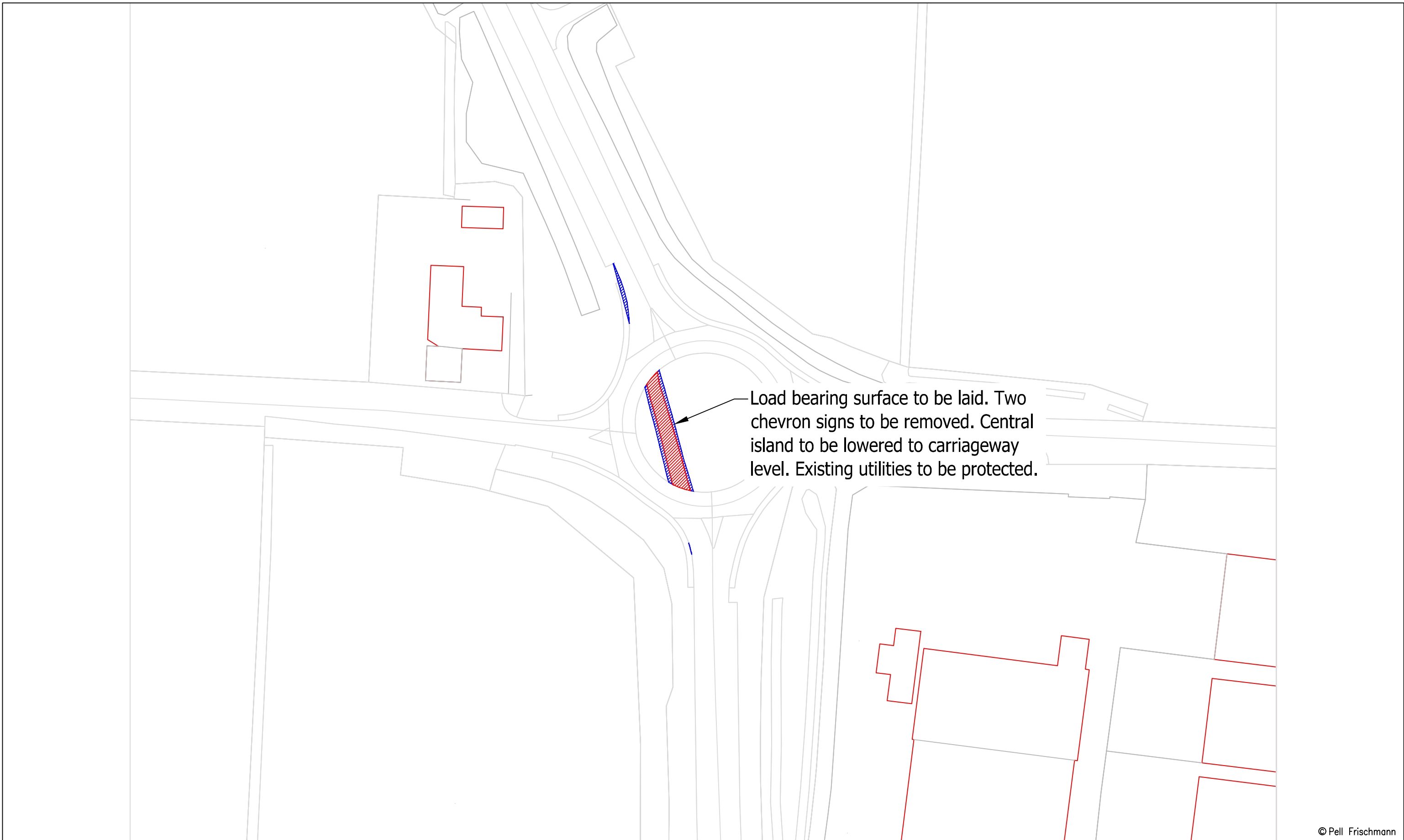
SG155 & SG170 Blade & Tower

Key



SPA Location

Cappancur Roundabout



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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Cappancur Roundabout	Point of Interest	4		Drawing No.	SK02C	Notes:
							1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	00



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	Client	Bord na Mona		Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower		Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Cloncollog Roundabout		Point of Interest	5		Drawing No.	SK03	
								Notes:	Revision
								1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	00



Load bearing surface to be laid. Two chevron signs to be removed. Central island to be lowered to carriageway level. Existing utilities to be protected.

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	Client	Bord na Mona			Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg		
	Key	Wheel SPA     Body SPA     Load SPA     Indicative     Overrun     Oversail			Checked	TL	11/06/2025	Drawing Status	Draft		
	Drawing Title	SG155 & SG170 Blade & Tower			Point of Interest	5		Drawing No.	SK03A		
	SPA Location	Cloncollog Roundabout			Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.				Revision	00



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	Client	Bord na Mona			Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border:1px solid red; display:inline-block; width:10px; height:10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, red 2px, red 4px);"></span> Overrun <span style="border:1px solid blue; display:inline-block; width:10px; height:10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, blue 2px, blue 4px);"></span> Oversail	Drawing Title	SG155 & SG170 Blade & Tower			Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Cloncollog Roundabout			Point of Interest	5		Drawing No.	SK03B
								Notes:	Revision
								1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	00

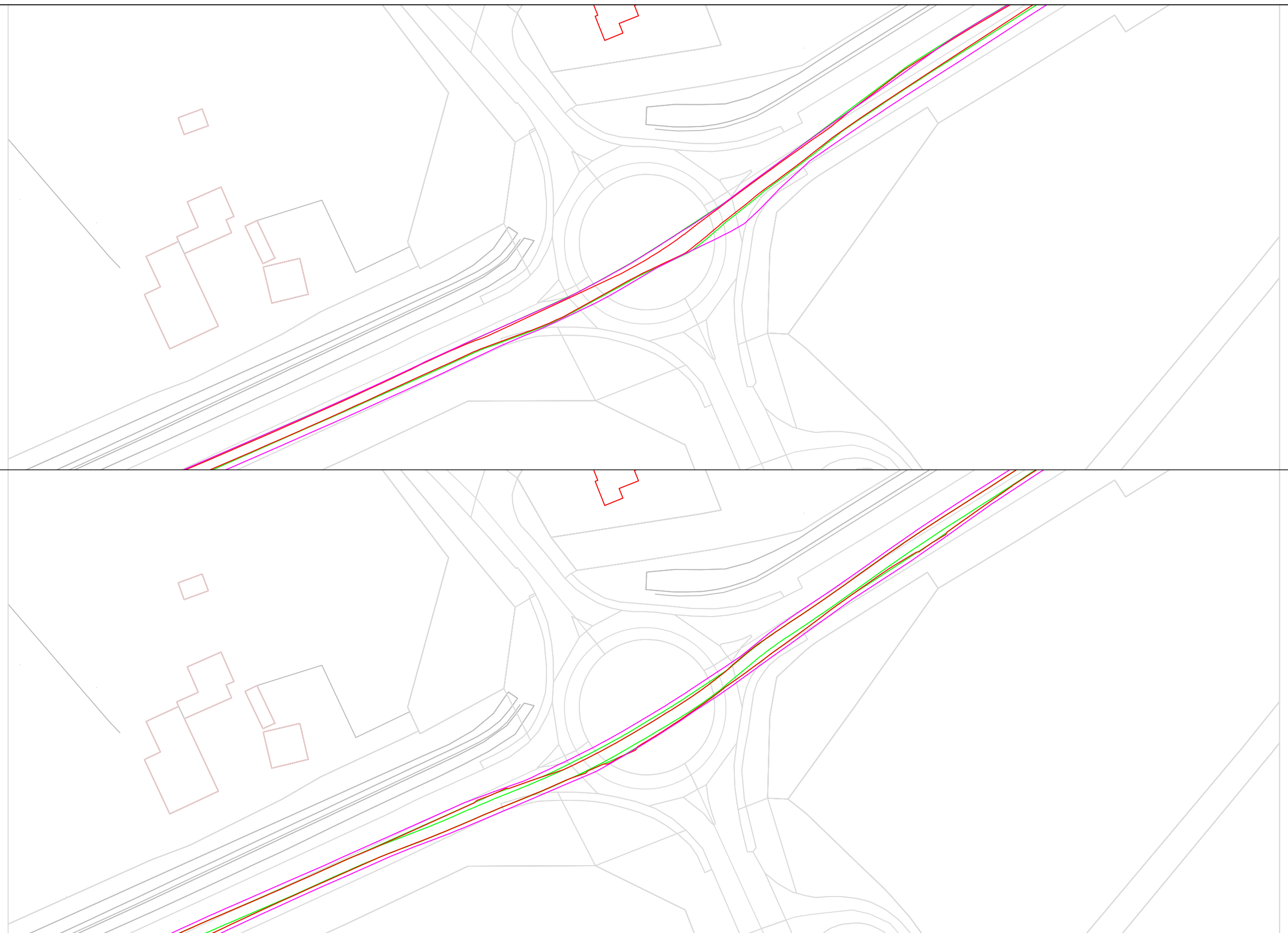


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	Client	Bord na Mona		Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border: 1px solid red; padding: 2px;"> </span> Overrun <span style="border: 1px solid blue; padding: 2px;"> </span> Oversail	Drawing Title	SG155 & SG170 Blade & Tower		Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Cloncollog Roundabout		Point of Interest	5		Drawing No.	SK03C	
					Notes:		Revision		00
				1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.					

SG155  
Blade

Tower



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Project

Lemanaghan Wind Farm

	Name	Date	Scale
Drawn	TJL	11/06/2025	1:1000 @ A3
Designed	TJL	11/06/2025	File No. 250606 Lemanaghan Wind Farm.dwg
Checked	TL	11/06/2025	
Point of Interest			Drawing Status
6			Draft

Client

Bord na Mona

Drawing Title

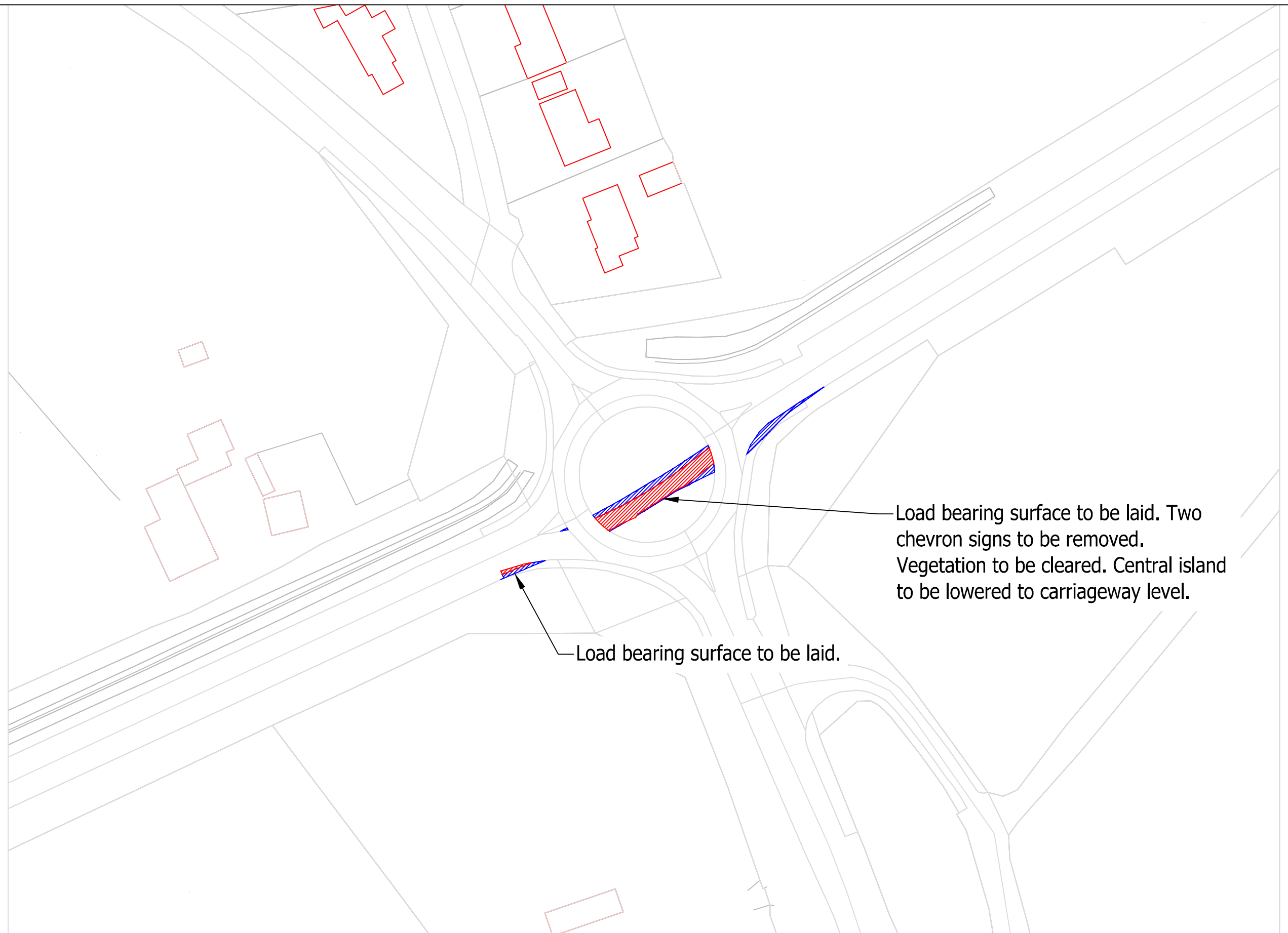
SG155 & SG170 Blade & Tower

Drawing No.	Notes:	Revision
SK04	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	00

Key						
	Wheel SPA	Body SPA	Load SPA	Indicative	Overrun	Oversail

SPA Location

Clonminch Roundabout

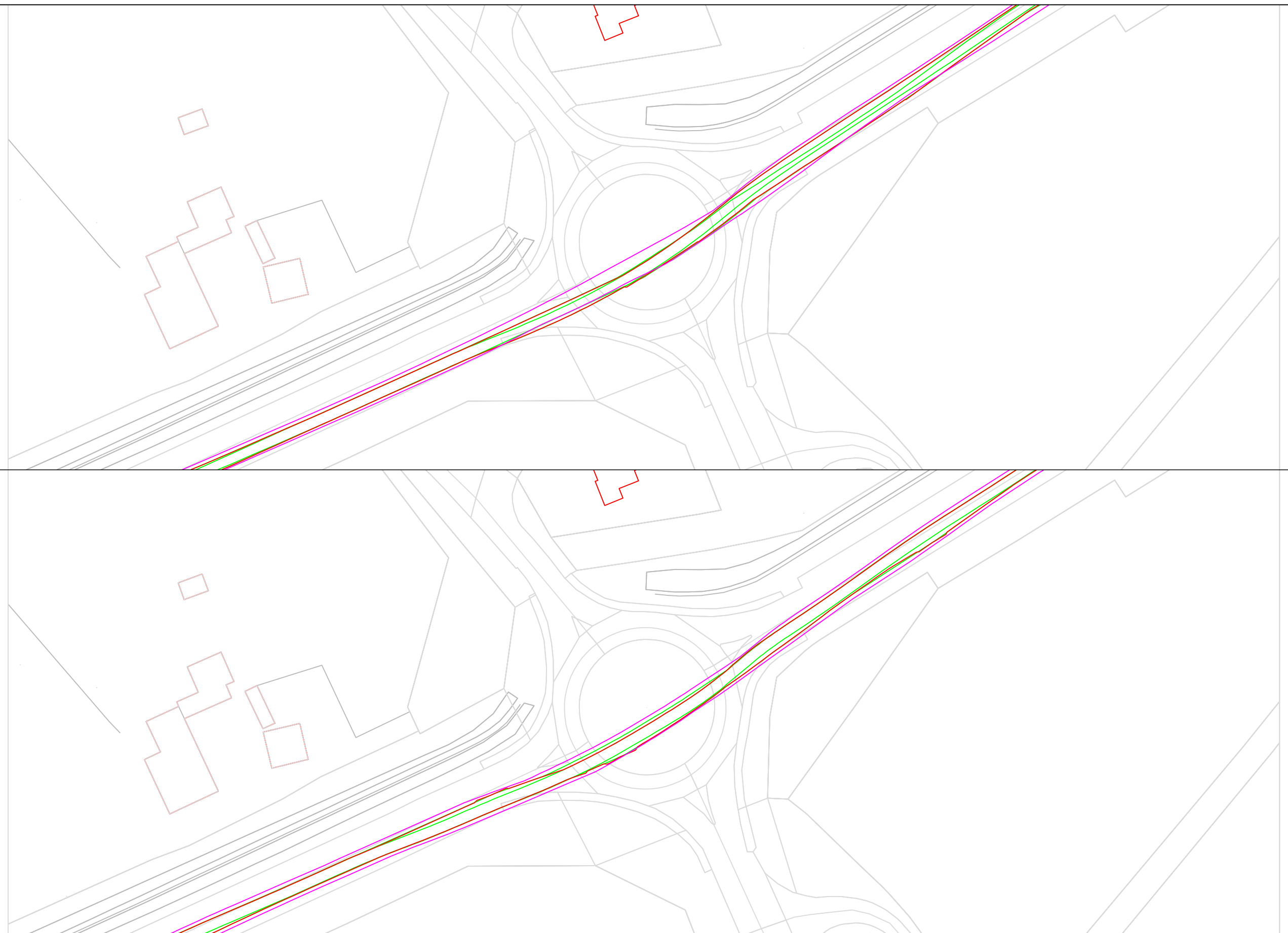


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	Client	Bord na Mona		Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower		Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Clonminch Roundabout		Point of Interest	6		Drawing No.	SK04A	
				Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.				Revision

SG170  
Blade

Tower



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Project

Lemanaghan Wind Farm

	Name	Date
Drawn	TJL	11/06/2025
Designed	TJL	11/06/2025
Checked	TL	11/06/2025

Scale 1:1000 @ A3

File No. 250606 Lemanaghan Wind Farm.dwg

Drawing Status Draft

Client

Bord na Mona

Drawing Title

SG155 & SG170 Blade & Tower

Drawing No.  
SK04B

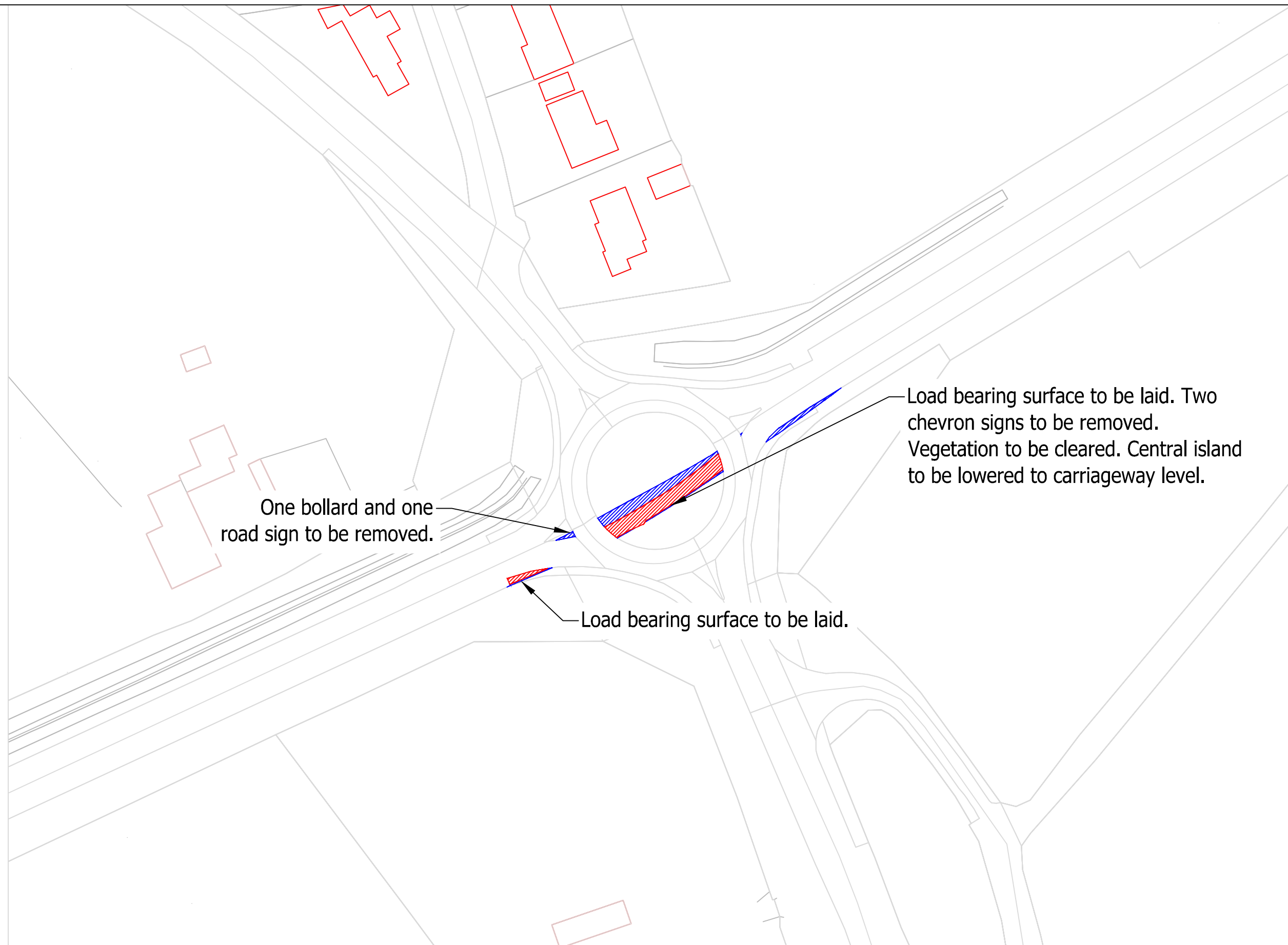
Notes:  
1. All mitigation is subject to confirmation through a test run.  
2. This is not a construction drawing and is intended for illustration purposes only.

Revision  
00

Key	Wheel SPA	Body SPA	Load SPA	Indicative	Overrun	Oversail

SPA Location

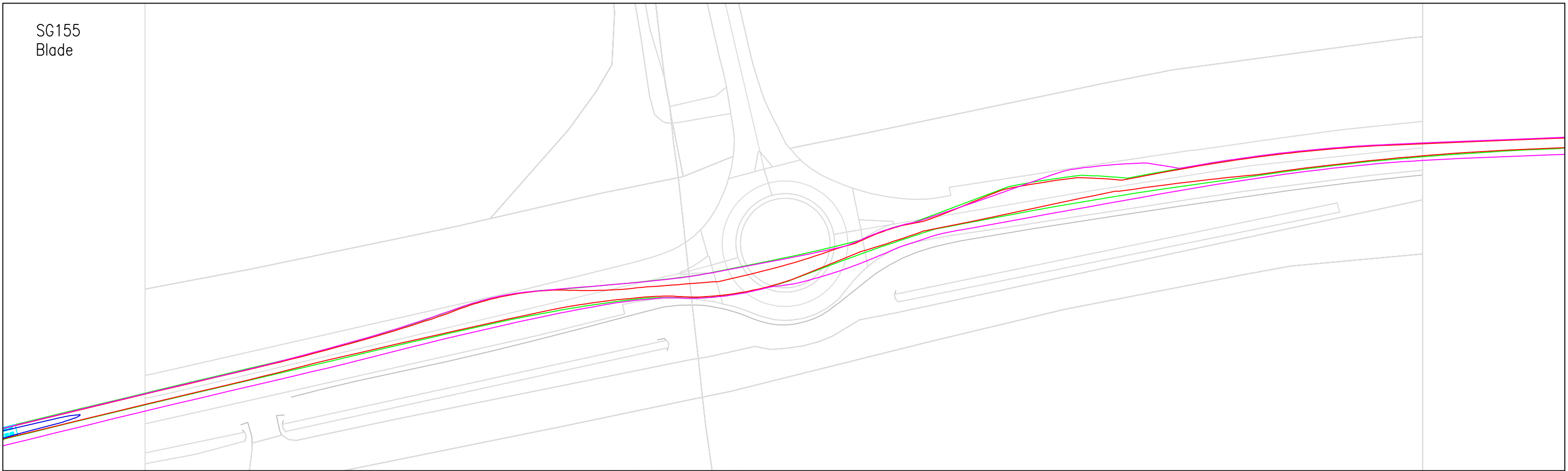
Clonminch Roundabout



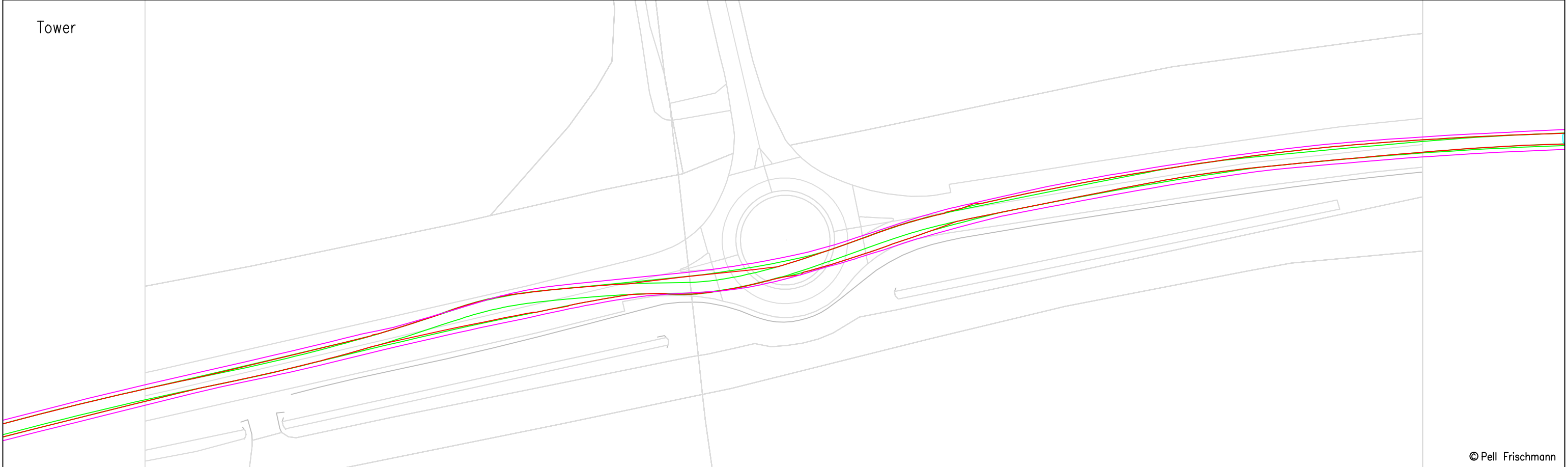
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	Client	Bord na Mona			Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower			Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Clonminch Roundabout			Point of Interest	6		Revision	00	
		Drawing No.	SK04C			Notes:			1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	

SG155  
Blade



Tower



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Email: pfe@pellfrischmann.com  
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Project

Lemanaghan Wind Farm

	Name	Date
Drawn	TJL	11/06/2025
Designed	TJL	11/06/2025
Checked	TL	11/06/2025

Scale 1:1000 @ A3

File No. 250606 Lemanaghan Wind Farm.dwg

Drawing Status Draft

Client

Bord na Mona

Drawing Title

SG155 & SG170 Blade & Tower

Point of Interest

7

Drawing No.

SK05

Notes:

- All mitigation is subject to confirmation through a test run.
- This is not a construction drawing and is intended for illustration purposes only.

Revision

00

Key

- Wheel SPA
- Body SPA
- Load SPA
- Indicative
- Overrun
- Oversail

SPA Location

Distillery Roundabout

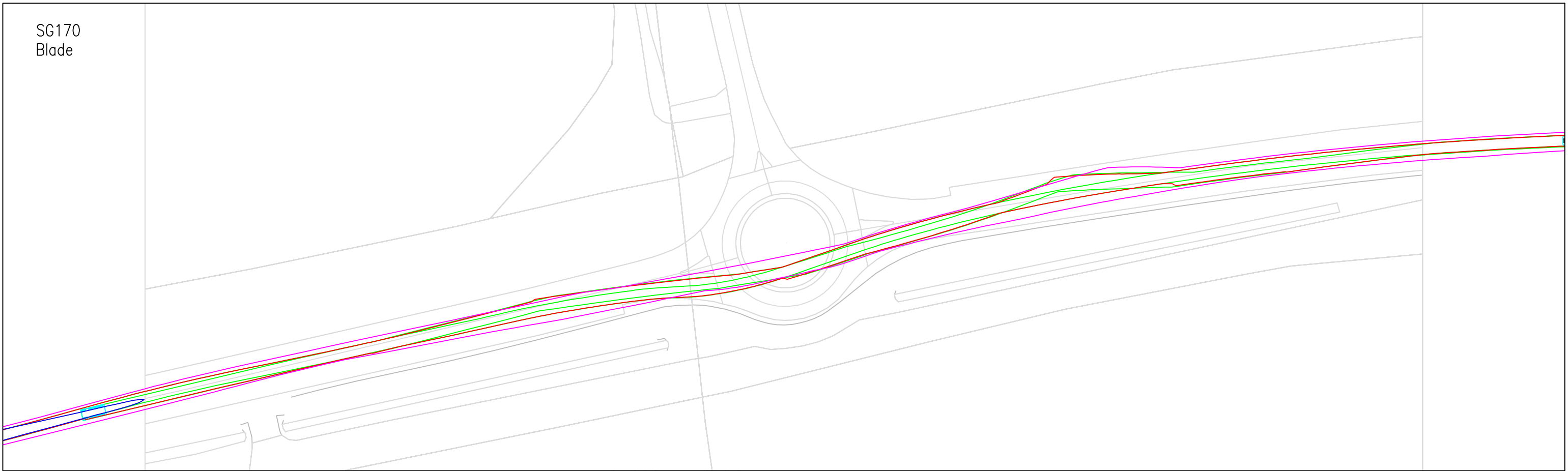


Existing load bearing surface to be utilised and extended. Two chevron signs to be removed.

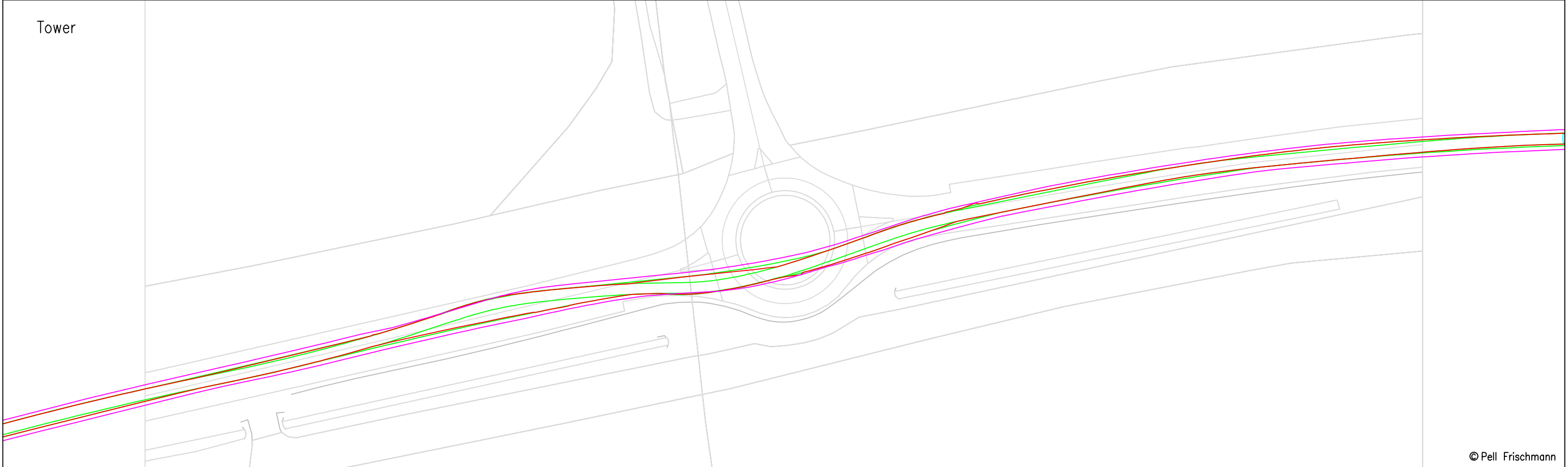
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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Distillery Roundabout	Point of Interest	7		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	Revision	00
			Drawing No.	SK05A				

SG170  
Blade



Tower



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Project

Lemanaghan Wind Farm

	Name	Date
Drawn	TJL	11/06/2025
Designed	TJL	11/06/2025
Checked	TL	11/06/2025

Scale 1:1000 @ A3

File No. 250606 Lemanaghan Wind Farm.dwg

Drawing Status Draft

Client

Bord na Mona

Drawing Title

SG155 & SG170 Blade & Tower

Point of Interest

7

Drawing No.  
SK05B

Notes:  
1. All mitigation is subject to confirmation through a test run.  
2. This is not a construction drawing and is intended for illustration purposes only.

Revision  
00

Key	Wheel SPA	Body SPA	Load SPA	Indicative	Overrun	Oversail

SPA Location

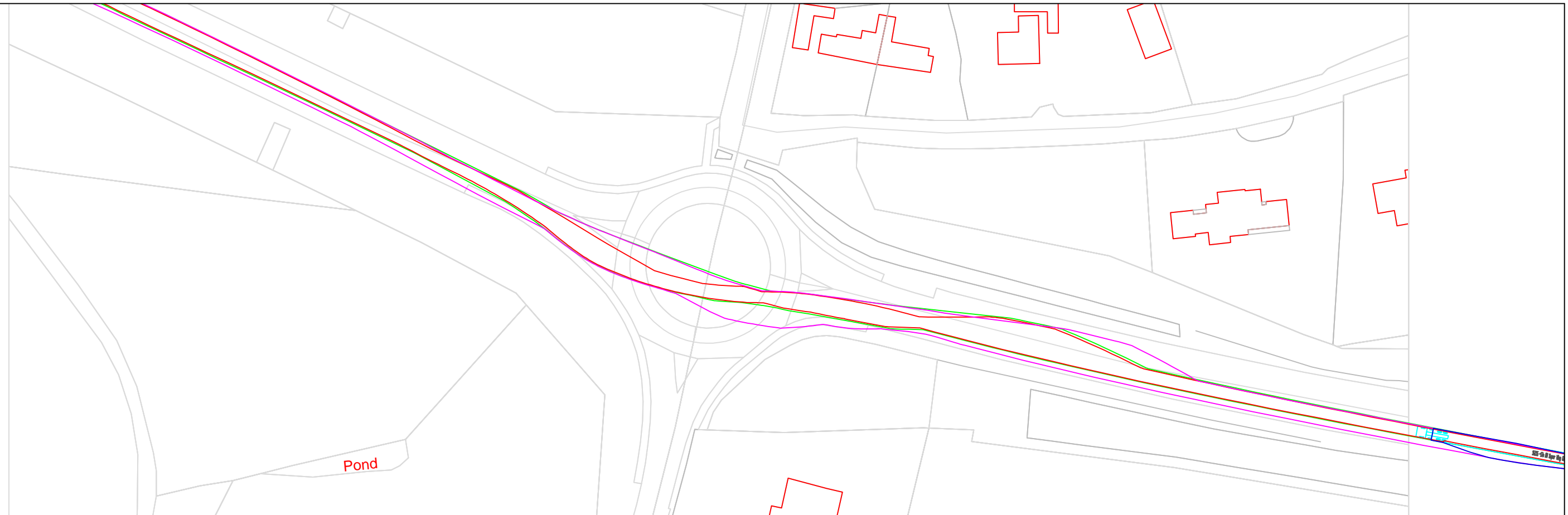
Distillery Roundabout



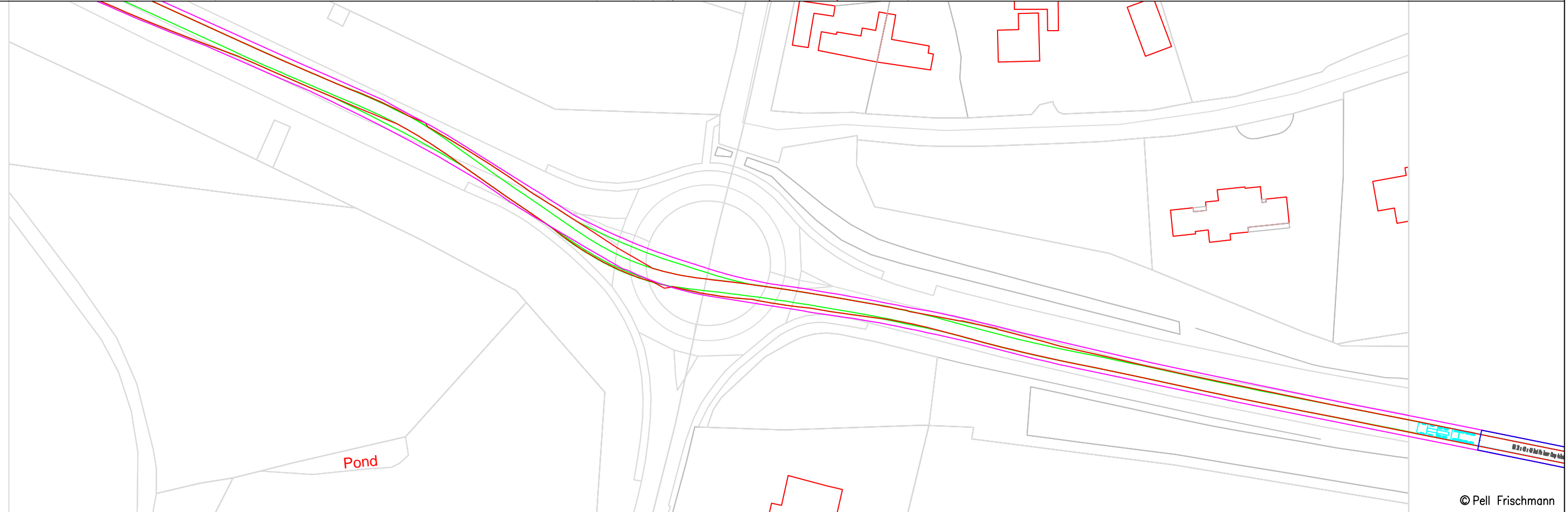
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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border: 1px solid red; padding: 2px;"> </span> Overrun <span style="border: 1px solid blue; padding: 2px;"> </span> Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Distillery Roundabout	Point of Interest	7		Drawing No.	SK05C
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	00

SG155  
Blade



Tower



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Project

Lemanaghan Wind Farm

Drawn	TJL	11/06/2025	Scale	1:1000 @ A3
Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
Checked	TL	11/06/2025	Drawing Status	Draft
Point of Interest		8		

Client

Bord na Mona

Drawing Title

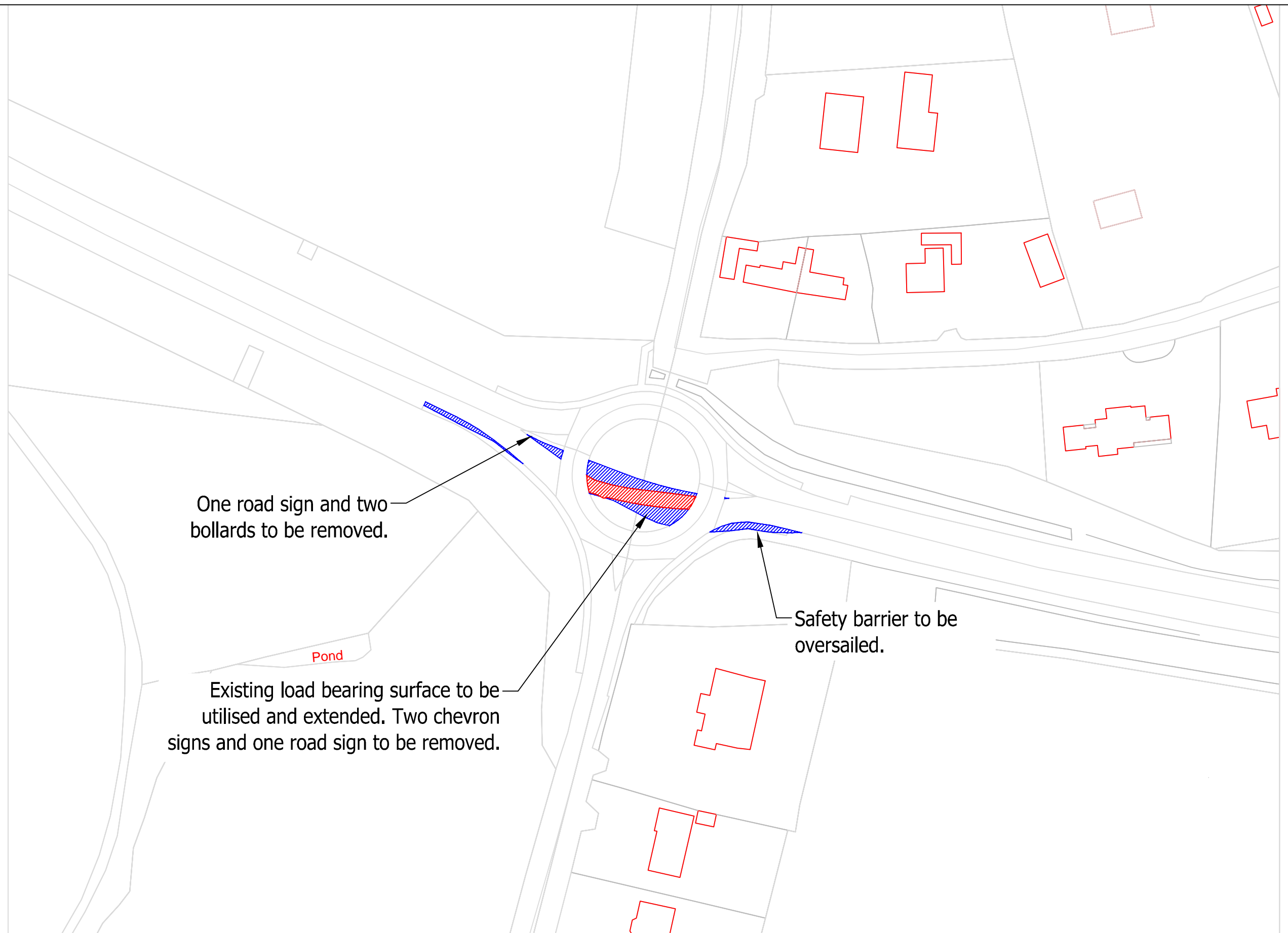
SG155 & SG170 Blade & Tower

Drawing No.	SK06	Notes:	Revision	00
		1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.		

Key						
	Wheel SPA	Body SPA	Load SPA	Indicative	Overrun	Oversail

SPA Location

Ballard Roundabout



One road sign and two bollards to be removed.

Safety barrier to be oversailed.

Existing load bearing surface to be utilised and extended. Two chevron signs and one road sign to be removed.

Pond

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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Ballard Roundabout	Point of Interest	8		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	Revision	00
			Drawing No.	SK06A				

SG170  
Blade

Tower

Pond

Pond

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Project

Lemanaghan Wind Farm

Drawn	Name	Date
TJL	TJL	11/06/2025
Designed	TJL	11/06/2025
Checked	TL	11/06/2025

Scale 1:1000 @ A3

File No. 250606 Lemanaghan Wind Farm.dwg

Drawing Status Draft

Client

Bord na Mona

Drawing Title

SG155 & SG170 Blade & Tower

Point of Interest

8

Drawing No.

SK06B

Notes:

- All mitigation is subject to confirmation through a test run.
- This is not a construction drawing and is intended for illustration purposes only.

Revision

00

Key

- Wheel SPA
- Body SPA
- Load SPA
- Indicative
- Overrun
- Oversail

SPA Location

Ballard Roundabout



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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Ballard Roundabout	Point of Interest	8		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	Revision	00
			Drawing No.	SK06C				

SG155  
Blade



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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> <span style="color: red;">—</span> Wheel SPA <span style="color: green;">—</span> Body SPA <span style="color: magenta;">—</span> Load SPA <span style="color: cyan;">—</span> Indicative <span style="border: 1px solid red; padding: 2px;"> </span> Overrun <span style="border: 1px solid blue; padding: 2px;"> </span> Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Charleville Roundabout	Point of Interest	9		Drawing No.	SK07
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	00

Tower

Lodge

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Project

Lemanaghan Wind Farm

Drawn	TJL	11/06/2025	Scale	1:1000 @ A3
Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
Checked	TL	11/06/2025	Drawing Status	Draft
Point of Interest	9		Drawing No.	SK07A

Client

Bord na Mona







Drawing Title

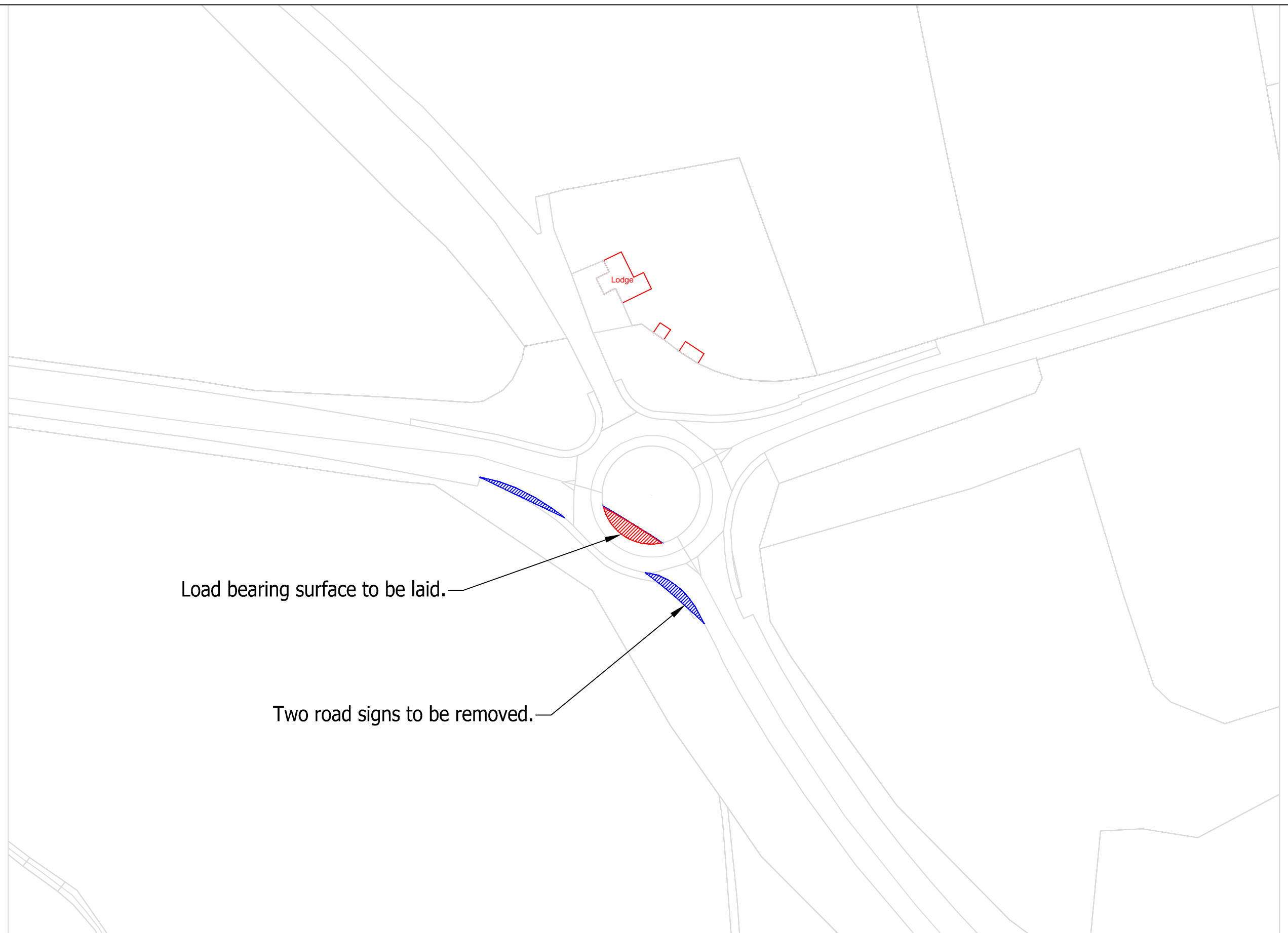
SG155 & SG170 Blade & Tower

SPA Location

Charleville Roundabout

Notes:	Revision
1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	00

Key						
	Wheel SPA	Body SPA	Load SPA	Indicative	Overrun	Oversail



Load bearing surface to be laid.

Two road signs to be removed.

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	Client	Bord na Mona		Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower		Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Charleville Roundabout		Point of Interest	9		Drawing No.	SK07B	
							Notes:	Revision	
							1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	00	

SG170  
Blade



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	Client	Bord na Mona		Designed	TJL	11/06/2025	File No.	250606 Lemnaghan Wind Farm.dwg	
<b>Key</b> <span style="color: red;">—</span> Wheel SPA <span style="color: green;">—</span> Body SPA <span style="color: magenta;">—</span> Load SPA <span style="color: cyan;">—</span> Indicative <span style="border: 1px solid red; padding: 2px;"> </span> Overrun <span style="border: 1px solid blue; padding: 2px;"> </span> Oversail	Drawing Title	SG155 & SG170 Blade & Tower		Checked	TL	11/06/2025	Drawing Status	Draft	
	SPA Location	Charleville Roundabout		Point of Interest	9		Drawing No.	SK07C	Revision
				<small>Notes:</small> 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.					

Tower

Lodge

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Project

Lemanaghan Wind Farm

Drawn	TJL	11/06/2025	Scale	1:1000 @ A3
Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
Checked	TL	11/06/2025	Drawing Status	Draft
Point of Interest		9		

Client

Bord na Mona

Drawing Title

SG155 & SG170 Blade & Tower

Drawing No.

SK07D



Notes:

1. All mitigation is subject to confirmation through a test run.  
2. This is not a construction drawing and is intended for illustration purposes only.

Revision

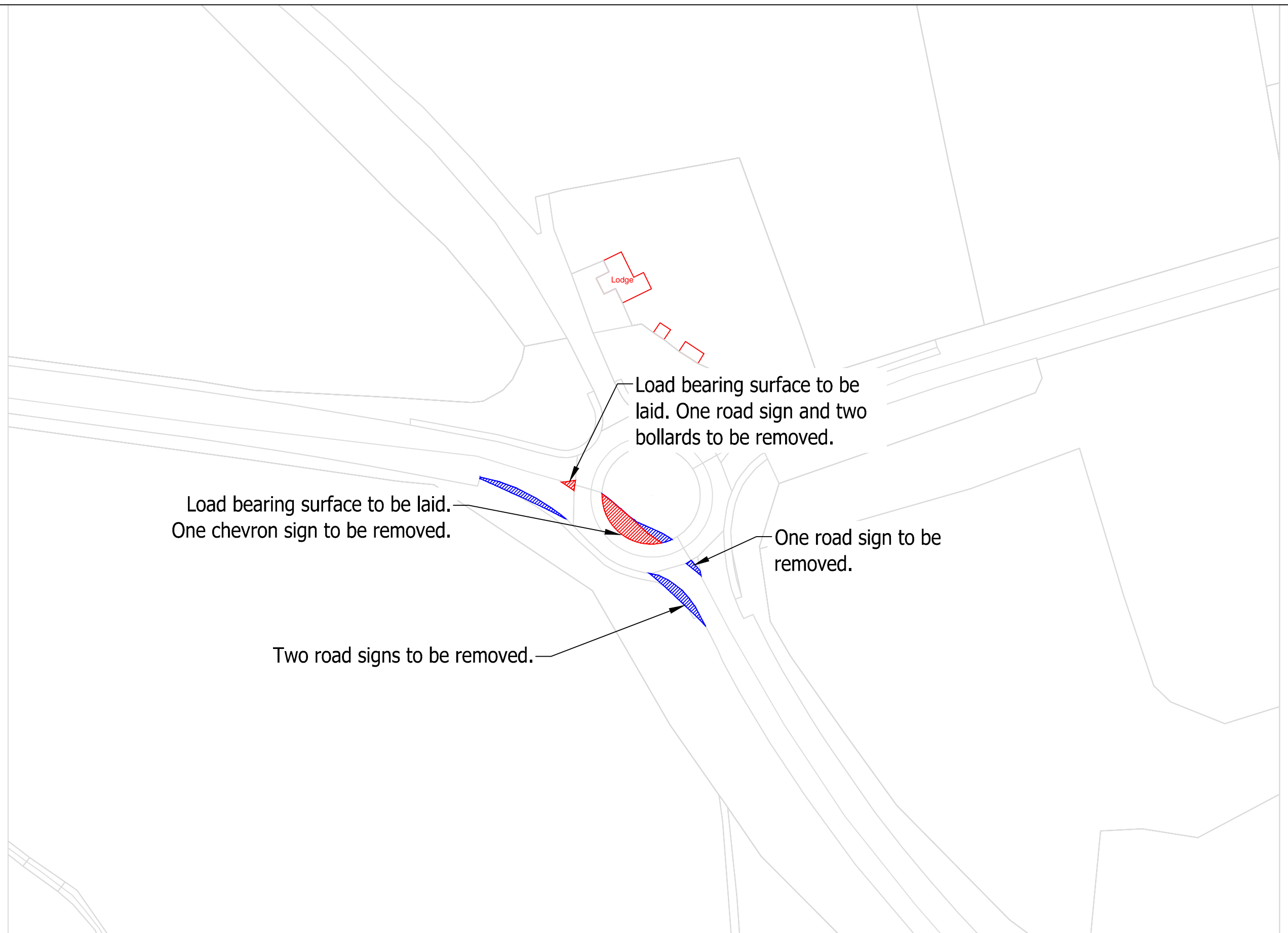
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Key

					
Wheel SPA	Body SPA	Load SPA	Indicative	Overrun	Oversail

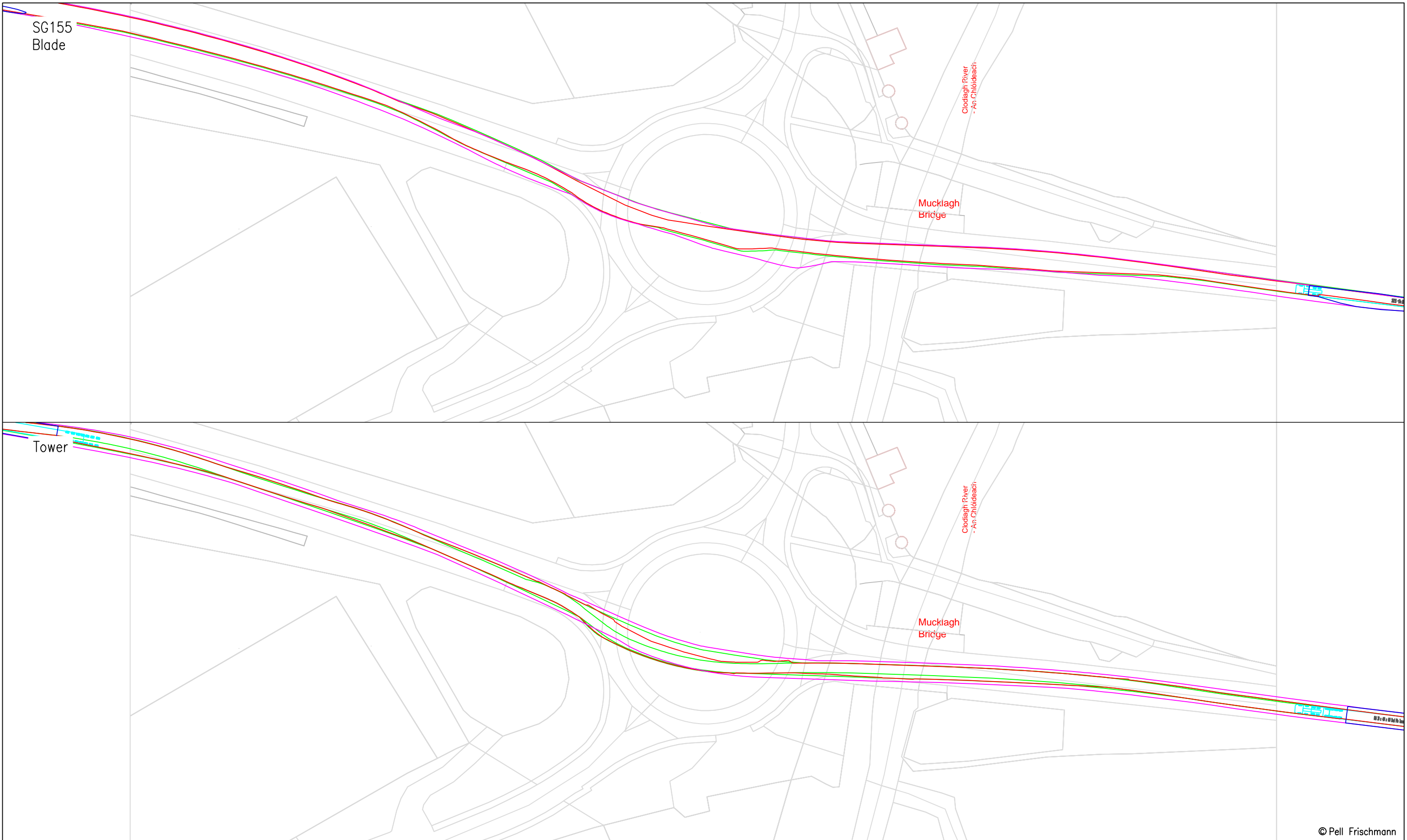
SPA Location

Charleville Roundabout



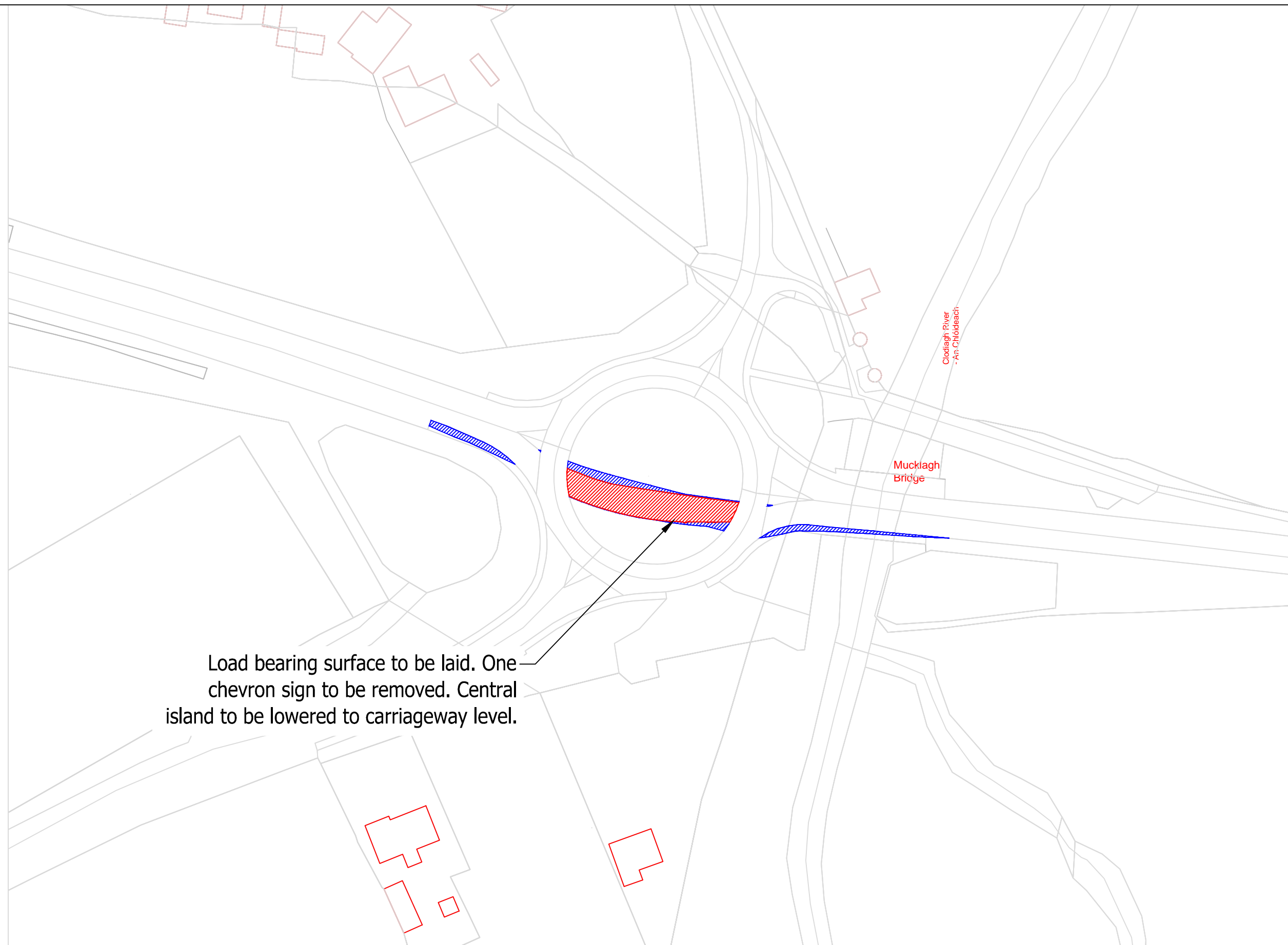
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	Client	Bord na Mona		Drawn	TJL	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="color:red">▨</span> Overrun <span style="color:blue">▨</span> Oversail	Drawing Title	SG155 & SG170 Blade & Tower		Checked	TL	11/06/2025	Drawing Status	Draft		
	SPA Location	Charleville Roundabout		Point of Interest	9		Drawing No.	SK07E	Notes:	Revision
									1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	



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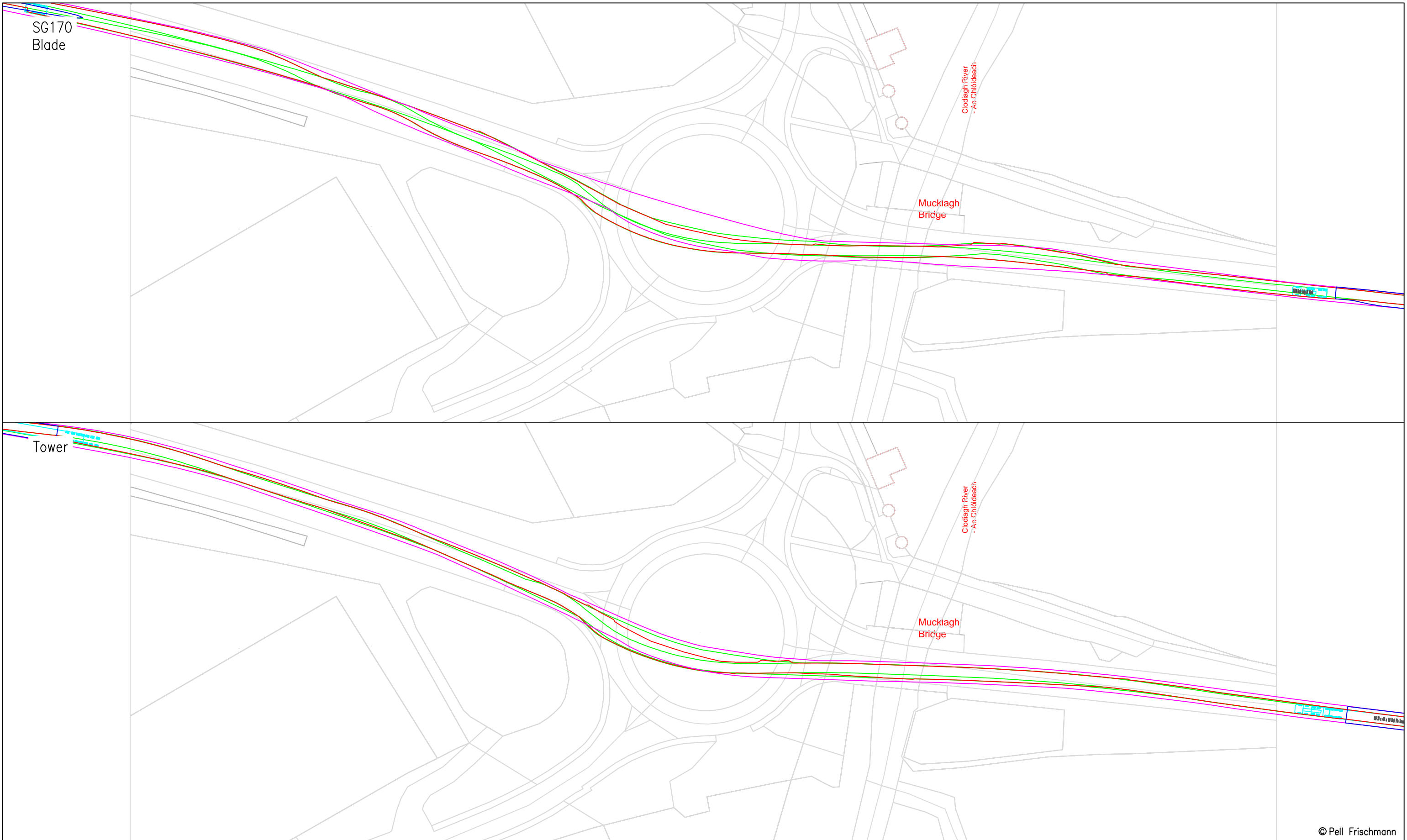
<b>Pell Frischmann</b> <small>93 GEORGE STREET, EDINBURGH, EH2 3ES</small> <small>Tel: +44 (0)131 240 1270</small> <small>Email: pfredinburgh@pellfrischmann.com</small> <small>www.pellfrischmann.com</small>	Project	Lemanaghan Wind Farm	Drawn	TJL	11/06/2025	Scale	1:1000 @ A3
	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px; transform: rotate(45deg);"></span> Overrun <span style="border: 1px solid blue; display: inline-block; width: 10px; height: 10px; transform: rotate(45deg);"></span> Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Mucklagh Roundabout	Point of Interest	10		Drawing No.	SK08
			Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.		Revision	00



Load bearing surface to be laid. One chevron sign to be removed. Central island to be lowered to carriageway level.

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	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Mucklagh Roundabout	Point of Interest	10		Drawing No.	SK08A
			Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.		Revision	00



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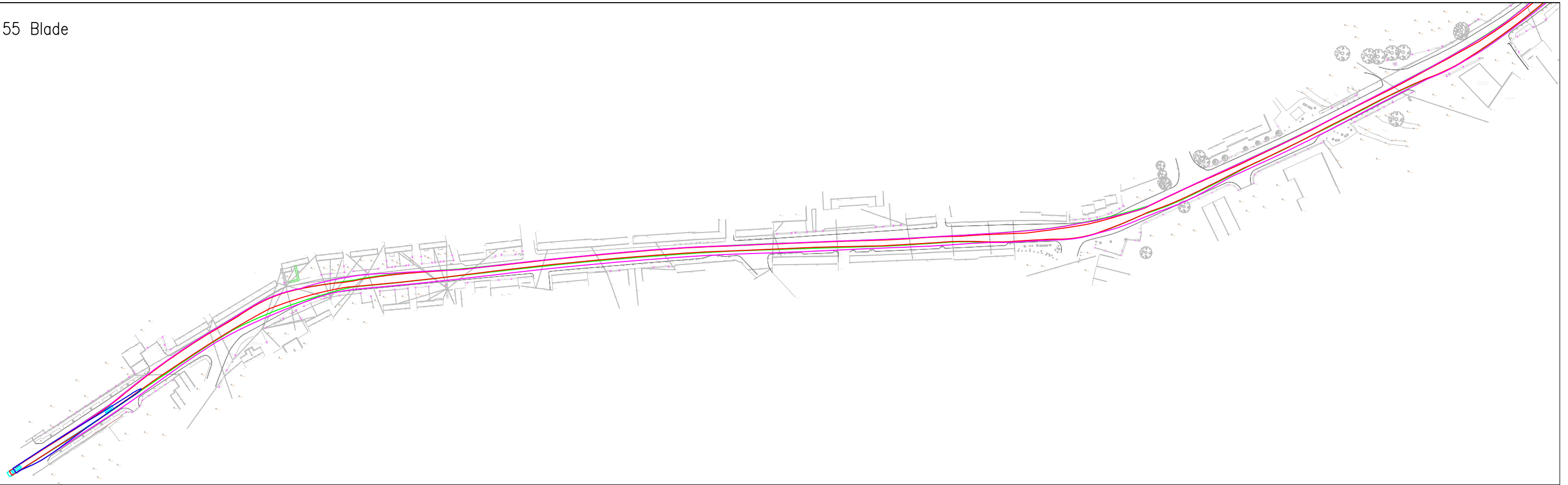
<b>Pell Frischmann</b> <small>93 GEORGE STREET, EDINBURGH, EH2 3ES</small> <small>Tel: +44 (0)131 240 1270</small> <small>Email: pfredinburgh@pellfrischmann.com</small> <small>www.pellfrischmann.com</small>	Project	Lemanaghan Wind Farm	Drawn	TJL	11/06/2025	Scale	1:1000 @ A3
	Client	Bord na Mona	Designed	TJL	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border: 1px solid red; padding: 2px;"> </span> Overrun <span style="border: 1px solid blue; padding: 2px;"> </span> Oversail	Drawing Title	SG155 & SG170 Blade & Tower	Checked	TL	11/06/2025	Drawing Status	Draft
	SPA Location	Mucklagh Roundabout	Point of Interest	10		Drawing No.	SK08B
				Notes:		Revision	
				1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.		00	



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	Client	Bord na Mona		Designed	TJL	Date	11/06/2025	File No.	250606 Lemanaghan Wind Farm.dwg	
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Overrun Oversail	Drawing Title	SG155 & SG170 Blade & Tower		Checked	TL	Date	11/06/2025	Drawing Status	Draft	
	SPA Location	Mucklagh Roundabout		Point of Interest	10		Drawing No.	SK08C	Revision	00
	Notes:								1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	

SG155 Blade

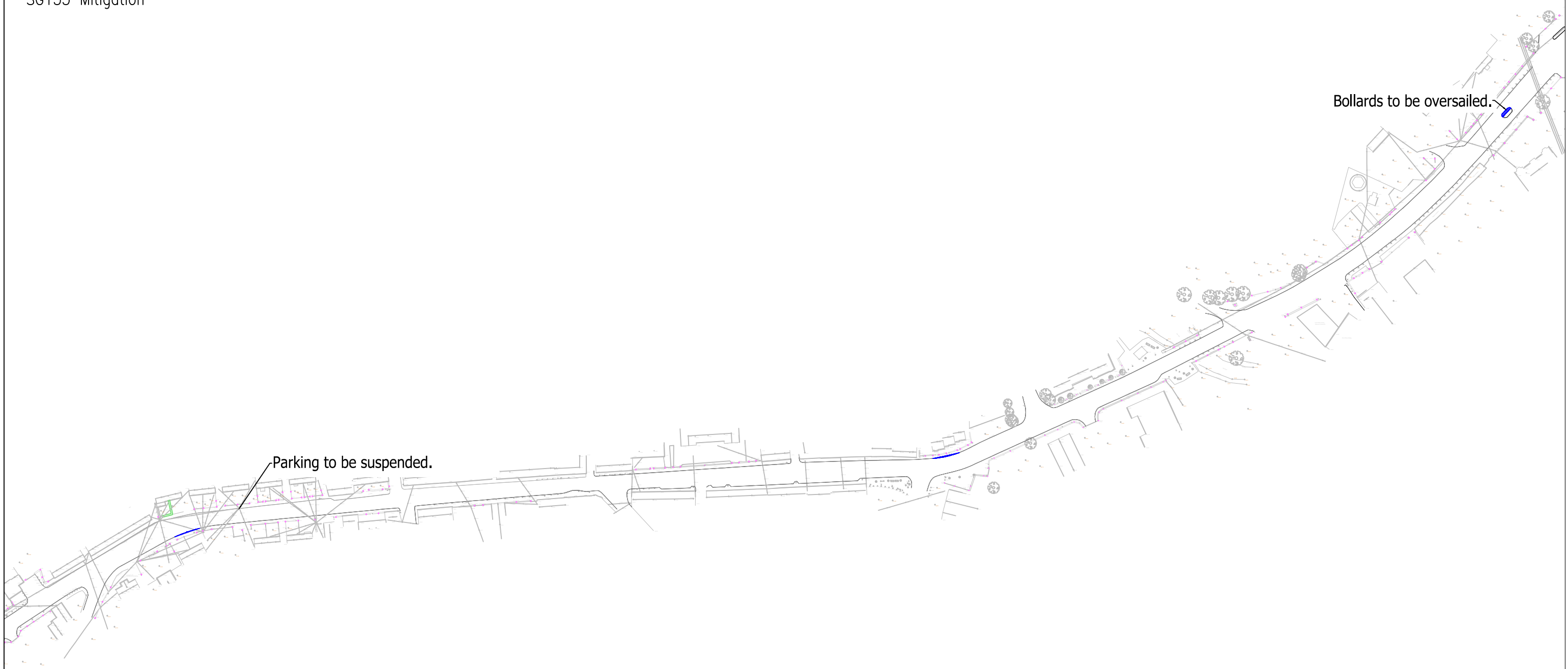


Tower



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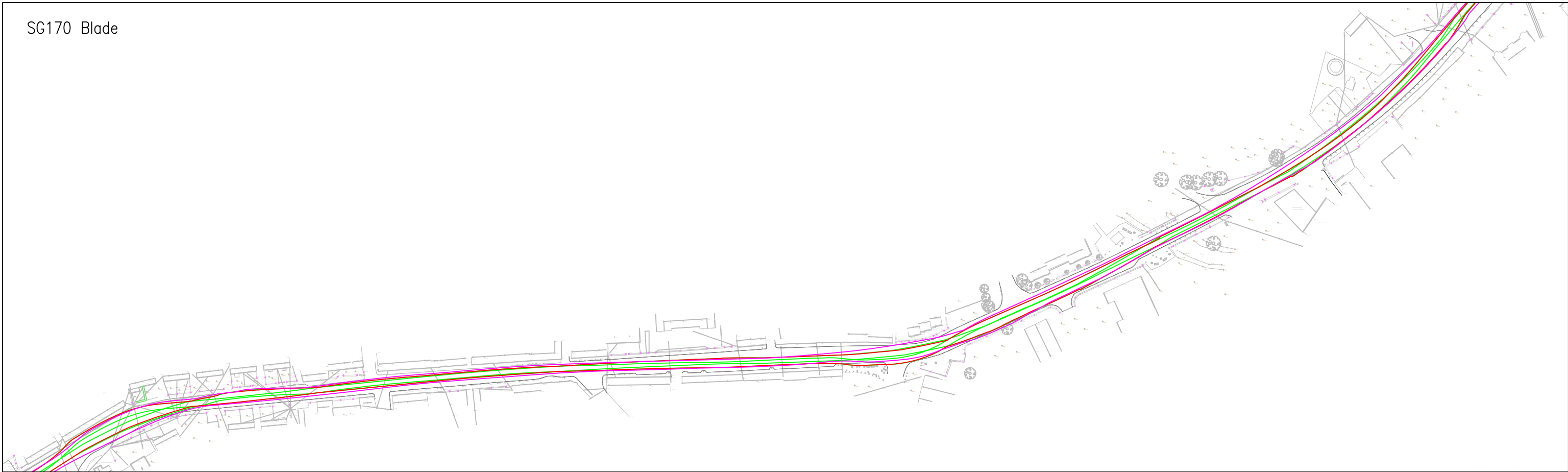
<b>Pell Frischmann</b> <small>93 GEORGE STREET, EDINBURGH, EH2 3ES</small> <small>Tel: +44 (0)131 240 1270</small> <small>Email: ptedinburgh@pellfrischmann.com</small> <small>www.pellfrischmann.com</small>	Project	Lemanaghan Wind Farm	Drawn	TL	04/02/2026	Scale	Custom @ A3
	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemnaghan SG170 retrack Superwing.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border:1px solid red; display:inline-block; width:10px; height:10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, red 2px, red 4px);"></span> Over-run <span style="border:1px solid blue; display:inline-block; width:10px; height:10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, blue 2px, blue 4px);"></span> Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	04/02/2026	Drawing Status	Draft
	SPA Location	N52 Kilcormac	Point of Interest	11		Drawing No.	SK09
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1



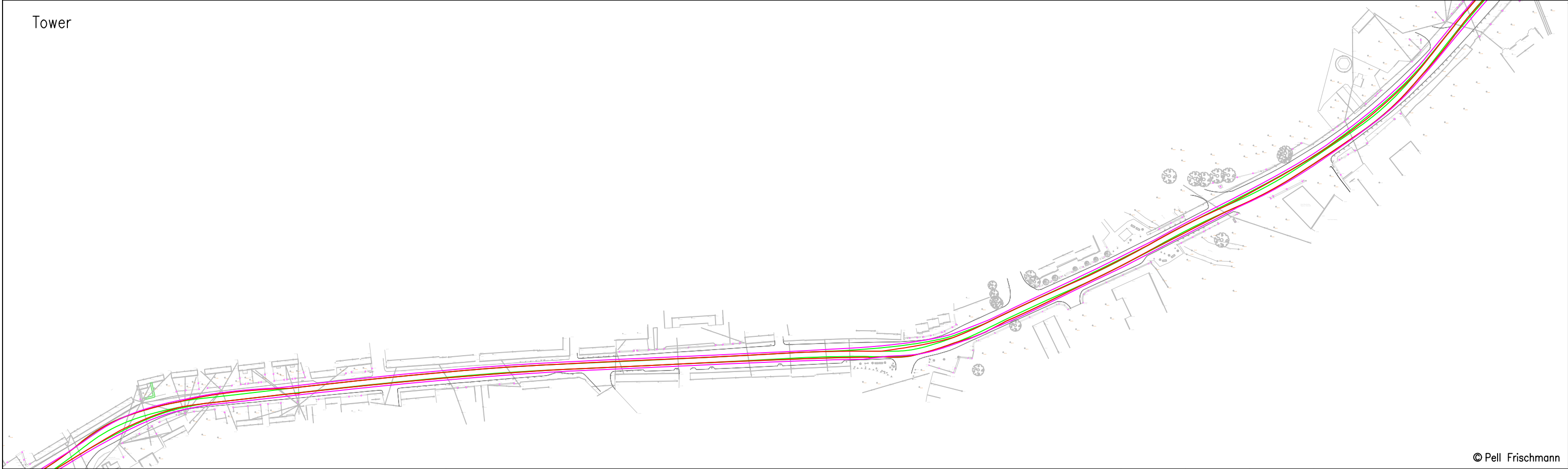
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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	04/02/2026	Drawing Status	Draft
	SPA Location	N52 Kilcormac	Point of Interest	11		Drawing No.	SK09A
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1

SG170 Blade

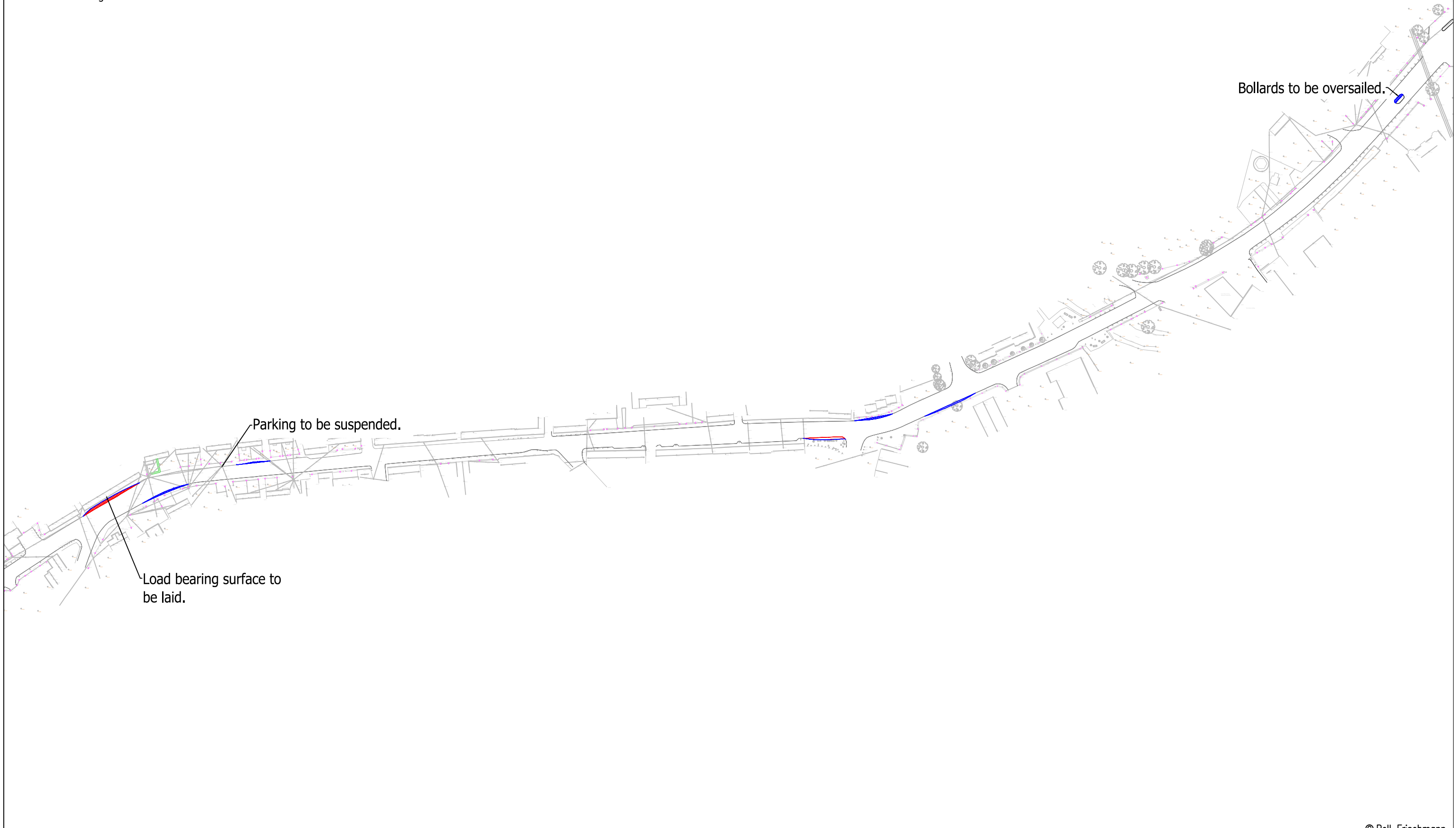


Tower



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<b>Pell Frischmann</b> <small>93 GEORGE STREET, EDINBURGH, EH2 3ES</small> <small>Tel: +44 (0)131 240 1270</small> <small>Email: ptedinburgh@pellfrischmann.com</small> <small>www.pellfrischmann.com</small>	Project	Lemanaghan Wind Farm	Drawn	TL	04/02/2026	Scale	Custom @ A3
	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemnaghan SG170 retrack Superwing.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px; transform: rotate(45deg);"></span> Over-run <span style="border: 1px solid blue; display: inline-block; width: 10px; height: 10px; transform: rotate(45deg);"></span> Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	04/02/2026	Drawing Status	Draft
	SPA Location	N52 Kilcormac	Point of Interest	11		Drawing No.	SK09B
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1



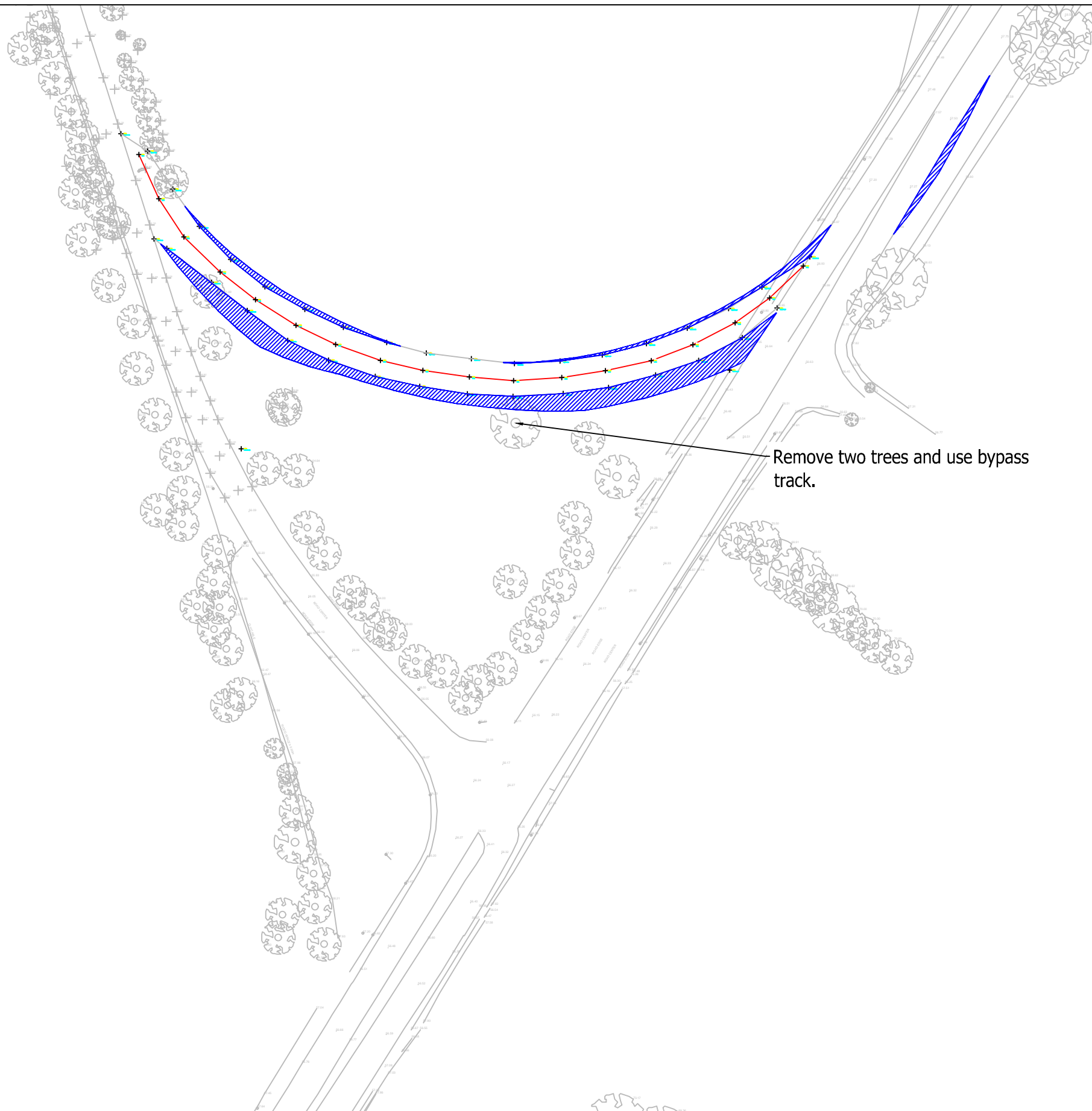
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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	04/02/2026	Drawing Status	Draft
	SPA Location	N52 Kilcormac	Point of Interest	11		Drawing No.	SK09C
			Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.		Revision	1



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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b>  Wheel SPA    Body SPA    Load SPA    Indicative    Over-run    Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	19/12/2024	Drawing Status	Draft
	SPA Location	N52 / N62 Junction	Point of Interest	12		Drawing No.	SK10
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	2

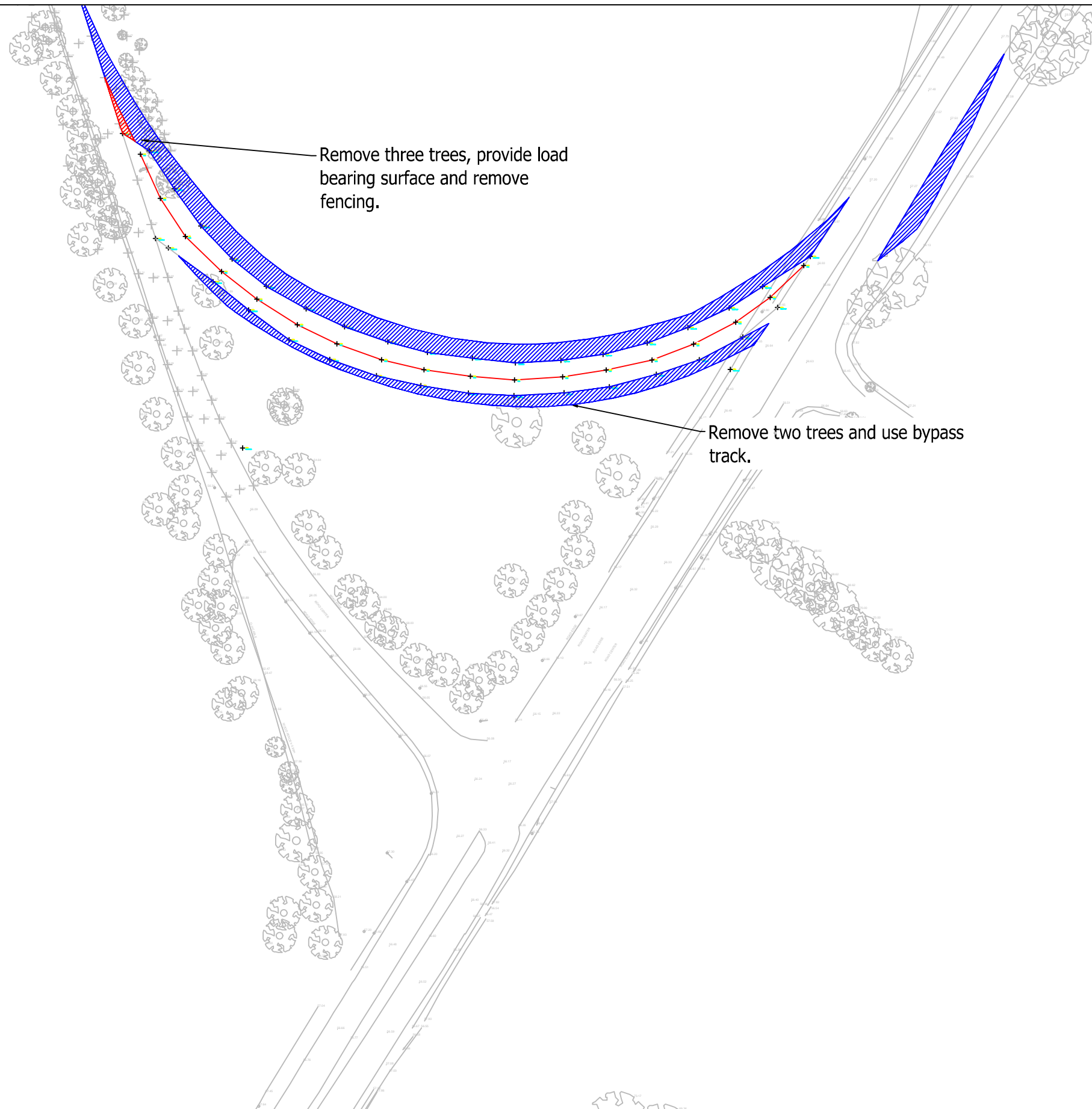


<b>Pell Frischmann</b> <small>93 GEORGE STREET, EDINBURGH, EH2 3ES</small> <small>Tel: +44 (0)131 240 1270</small> <small>Email: ptedinburgh@pellfrischmann.com</small> <small>www.pellfrischmann.com</small>	Project	Lemanaghan Wind Farm	Drawn	TL	04/02/2026	Scale	1:1000 @ A3		
	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg		
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px; transform: rotate(45deg);"></span> Over-run <span style="border: 1px solid blue; display: inline-block; width: 10px; height: 10px; transform: rotate(45deg);"></span> Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	19/12/2024	Drawing Status	Draft		
	SPA Location	N52 / N62 Junction	Point of Interest	12		Drawing No.	SK10A	Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	Revision



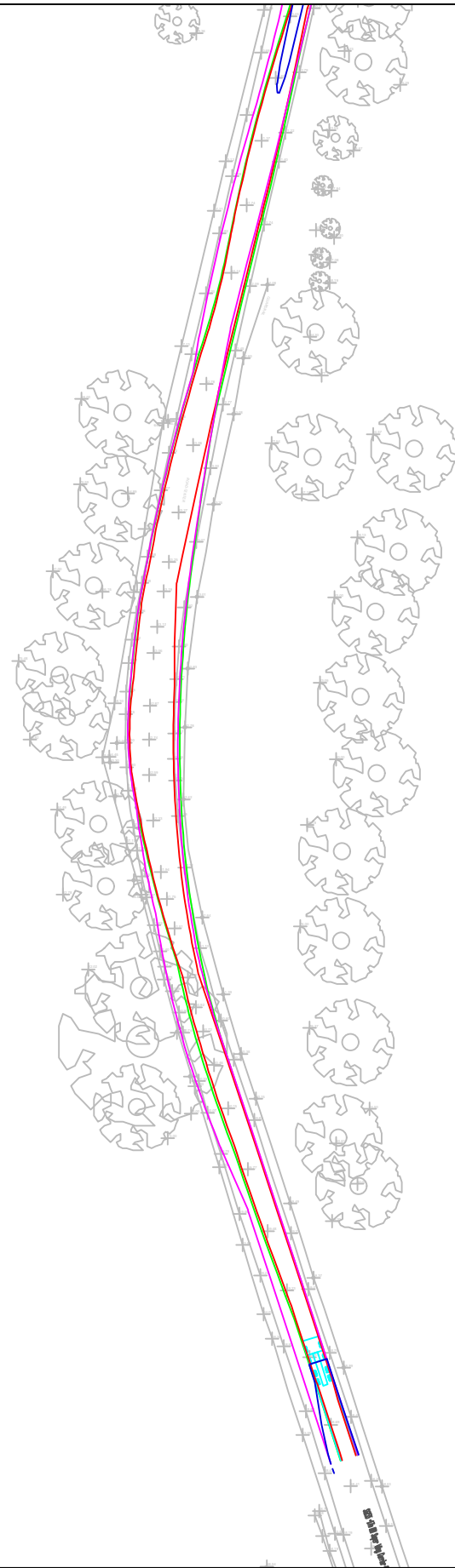
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<b>Pell Frischmann</b> 93 GEORGE STREET, EDINBURGH, EH2 3ES Tel: +44 (0)131 240 1270 Email: ptedinburgh@pellfrischmann.com www.pellfrischmann.com	Project	Lemanaghan Wind Farm	Drawn	TL	04/02/2026	Scale	1:1000 @ A3	
	Client	Bord Na Mona	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Designed	GB	04/02/2026	
<b>Key</b> 	SPA Location	N52 / N62 Junction	Checked	GB	19/12/2024	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg	
			Point of Interest		12	Drawing Status	Draft	
			Drawing No.	SK10B	Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	Revision	2

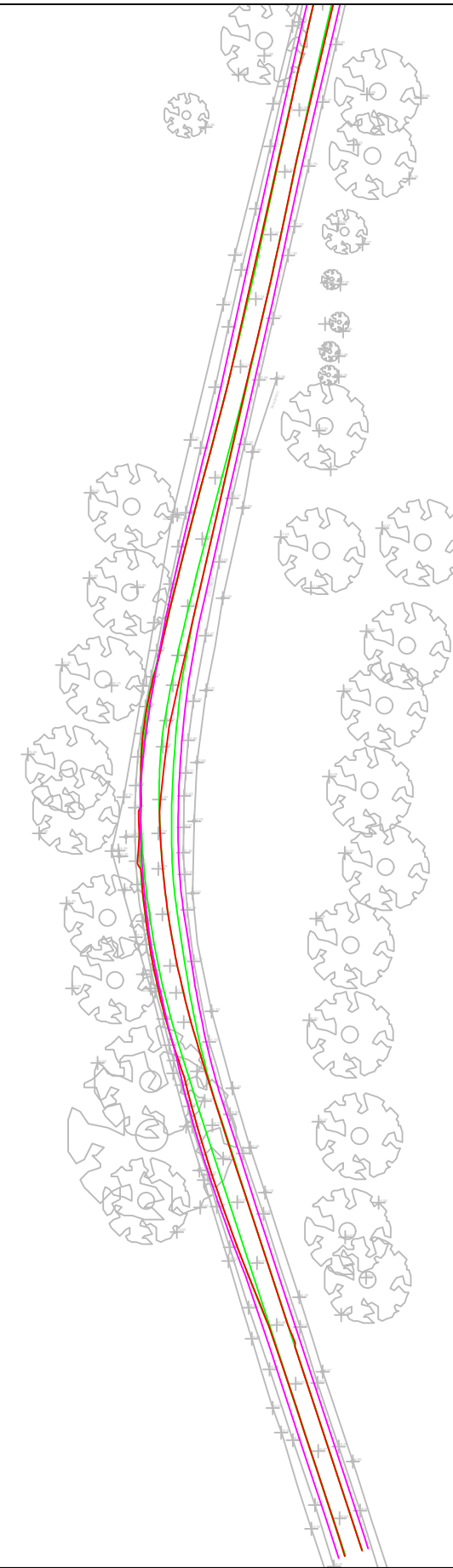


<b>Pell Frischmann</b> <small>93 GEORGE STREET, EDINBURGH, EH2 3ES</small> <small>Tel: +44 (0)131 240 1270</small> <small>Email: ptedinburgh@pellfrischmann.com</small> <small>www.pellfrischmann.com</small>	Project	Lemanaghan Wind Farm	Drawn	TL	04/02/2026	Scale	1:1000 @ A3
	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
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	SPA Location	N52 / N62 Junction	Point of Interest	12		Drawing No.	SK10C
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	2

SG155 Blade



Tower



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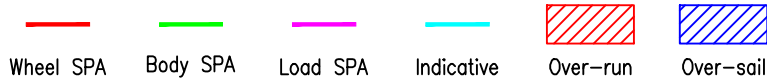
Email: ptedinburgh@pellfrischmann.com

www.pellfrischmann.com

Client

Bord Na Mona

Key



Project

Lemanaghan Wind Farm

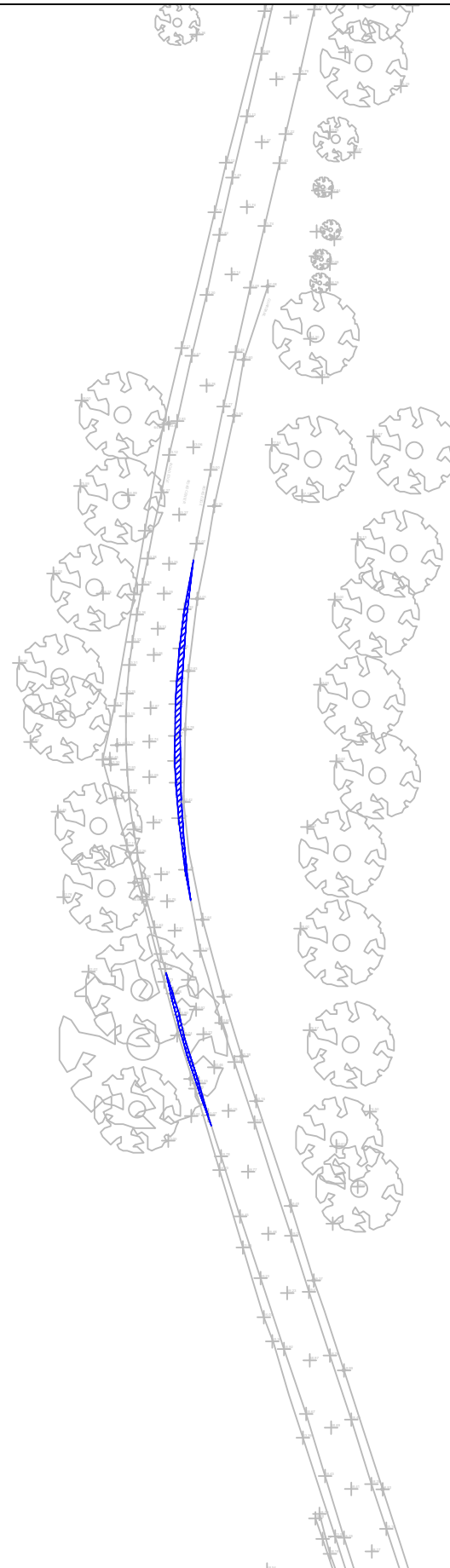
Drawing Title

Siemens Gamesa SG155 & SG170 Blade and Mid Tower

SPA Location

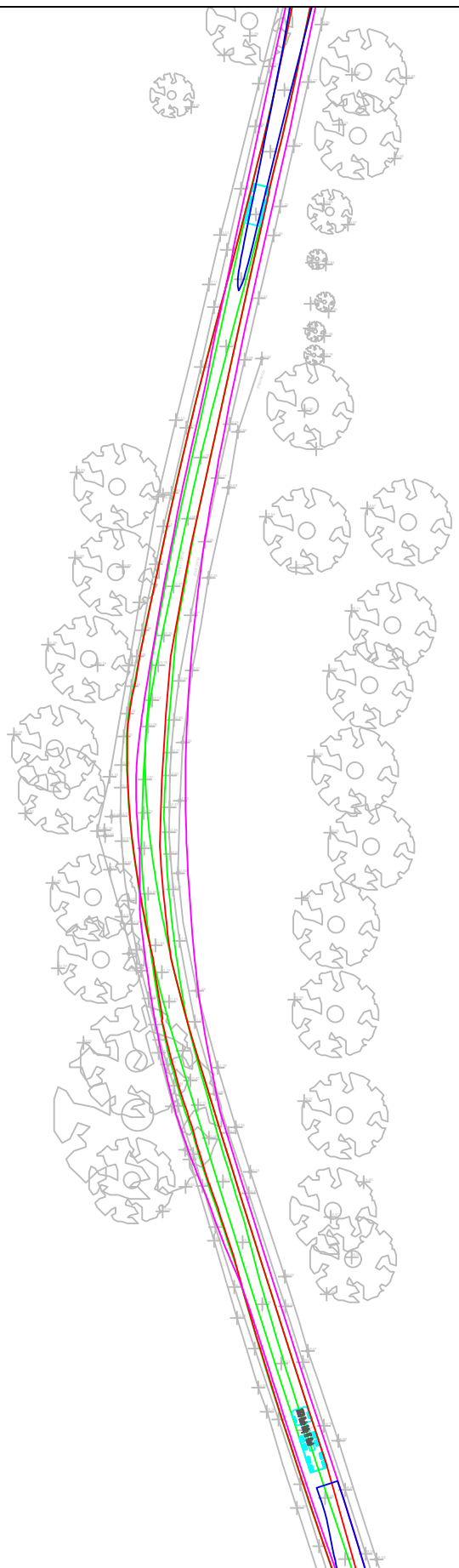
N52 / N62 Junction

	Name	Date	Scale
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Checked	GB	04/02/2026	Drawing Status
Point of Interest	12		Draft
Drawing No.	SK11		Revision
Notes:			1
1. All mitigation is subject to confirmation through a test run.			
2. This is not a construction drawing and is intended for illustration purposes only.			

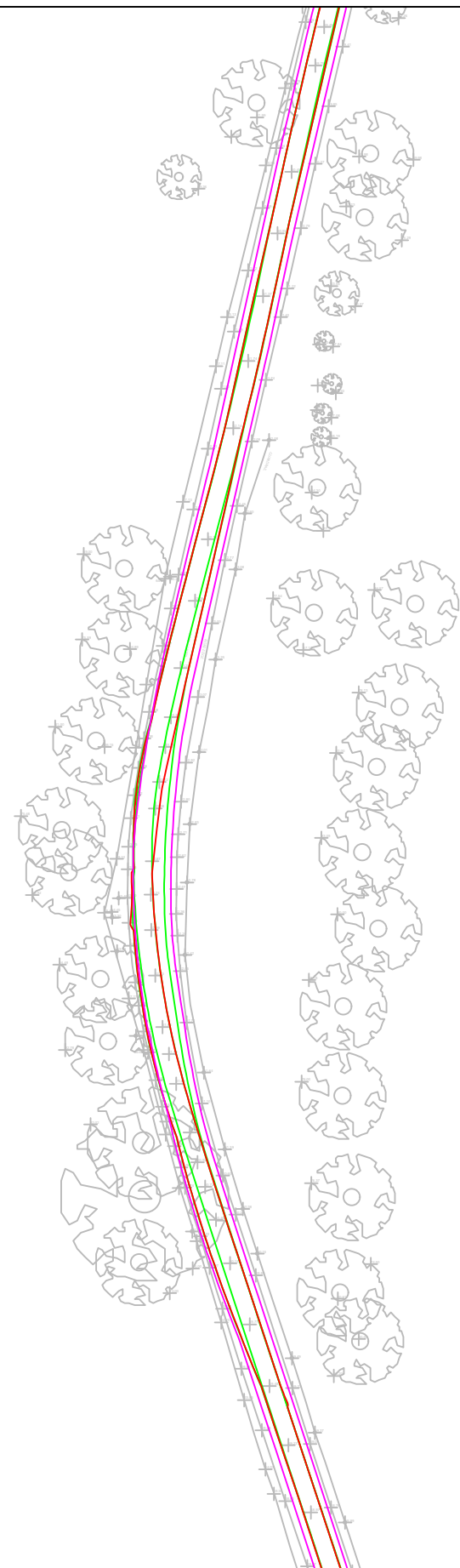


<b>Pell Frischmann</b> <small>93 GEORGE STREET, EDINBURGH, EH2 3ES</small> <small>Tel: +44 (0)131 240 1270</small> <small>Email: ptedinburgh@pellfrischmann.com</small> <small>www.pellfrischmann.com</small>	Project	Lemanaghan Wind Farm	Drawn	TL	04/02/2026	Scale	1:1000 @ A3
	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
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	SPA Location	N52 / N62 Junction	Point of Interest	12		Drawing No.	SK11A
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1

SG170 Blade



Tower



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Project Lemnaghan Wind Farm

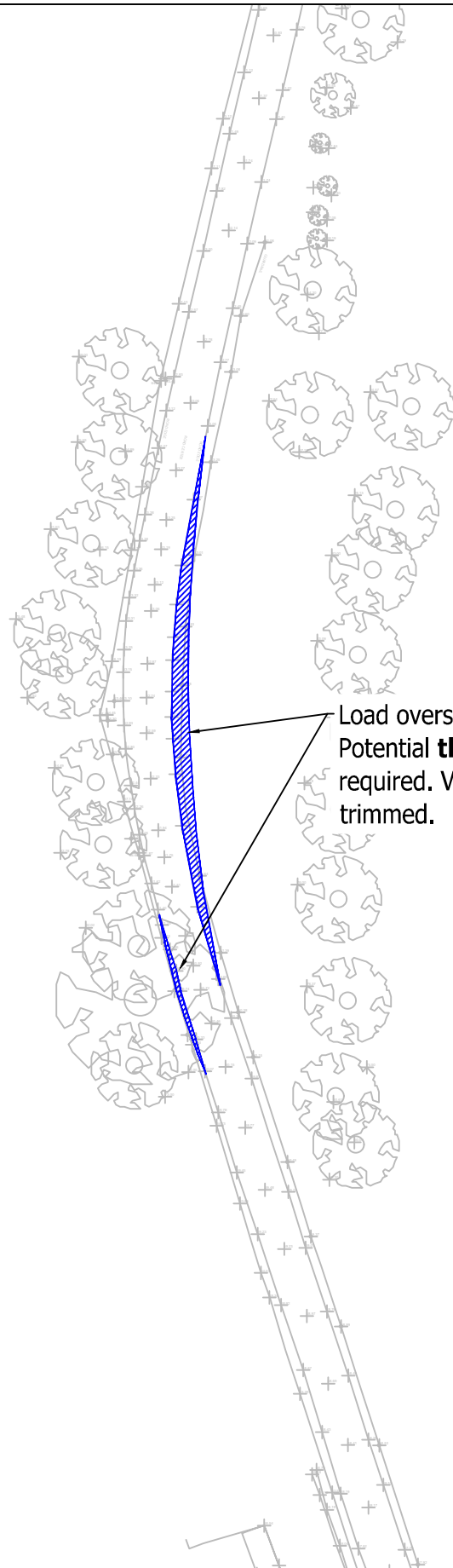
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Drawing Title Siemens Gamesa SG155 & SG170 Blade and Mid Tower

SPA Location N52 / N62 Junction

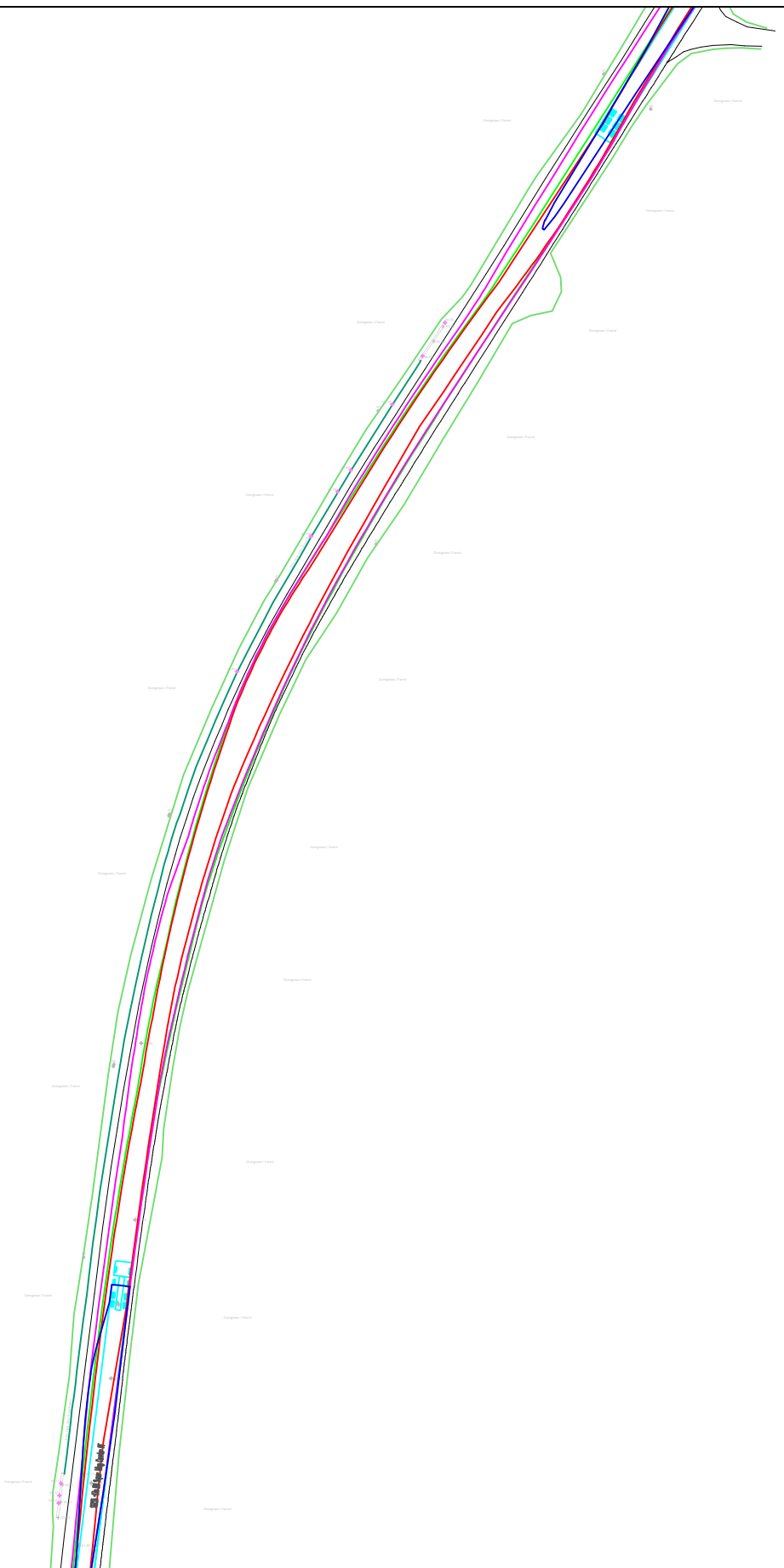
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Point of Interest	12		Drawing No.	SK11B
Notes:			Revision	
1. All mitigation is subject to confirmation through a test run.			1	
2. This is not a construction drawing and is intended for illustration purposes only.				

Client	Bord Na Mona					
Key						
	Wheel SPA	Body SPA	Load SPA	Indicative	Over-run	Over-sail

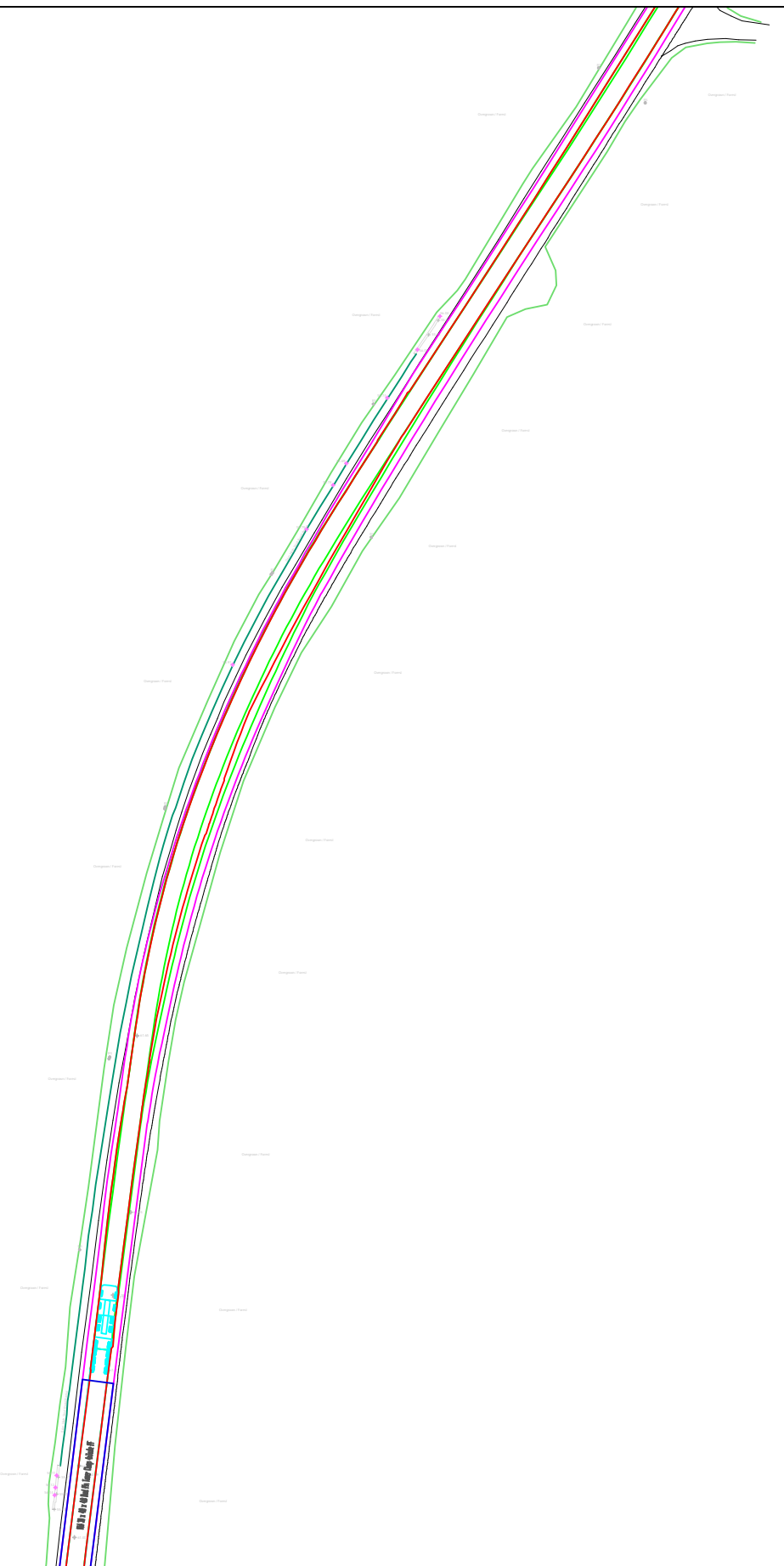


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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
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	SPA Location	N52 / N62 Junction	Point of Interest	12		Drawing No.	SK11C
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1

SG155 Blade



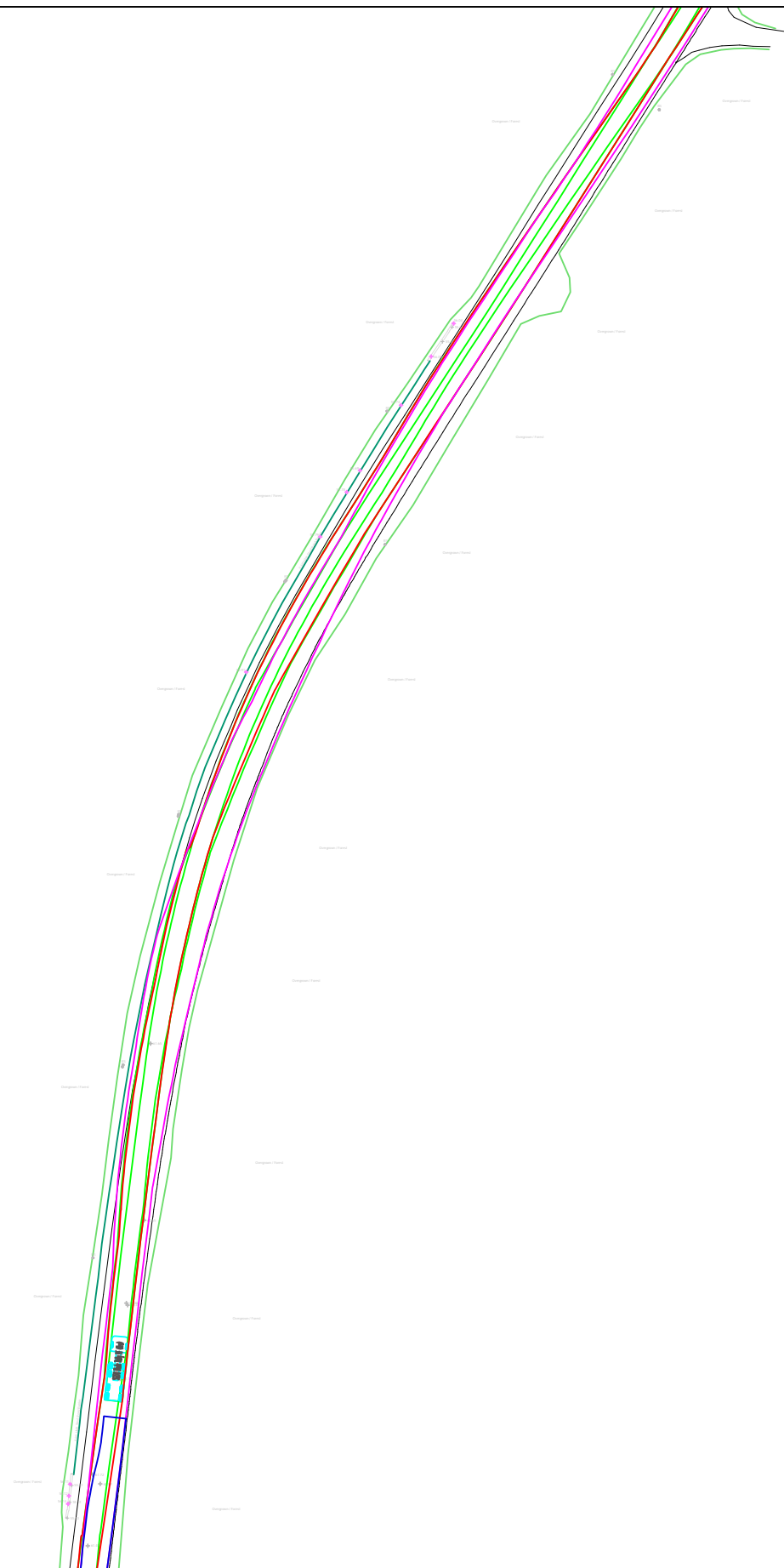
Tower



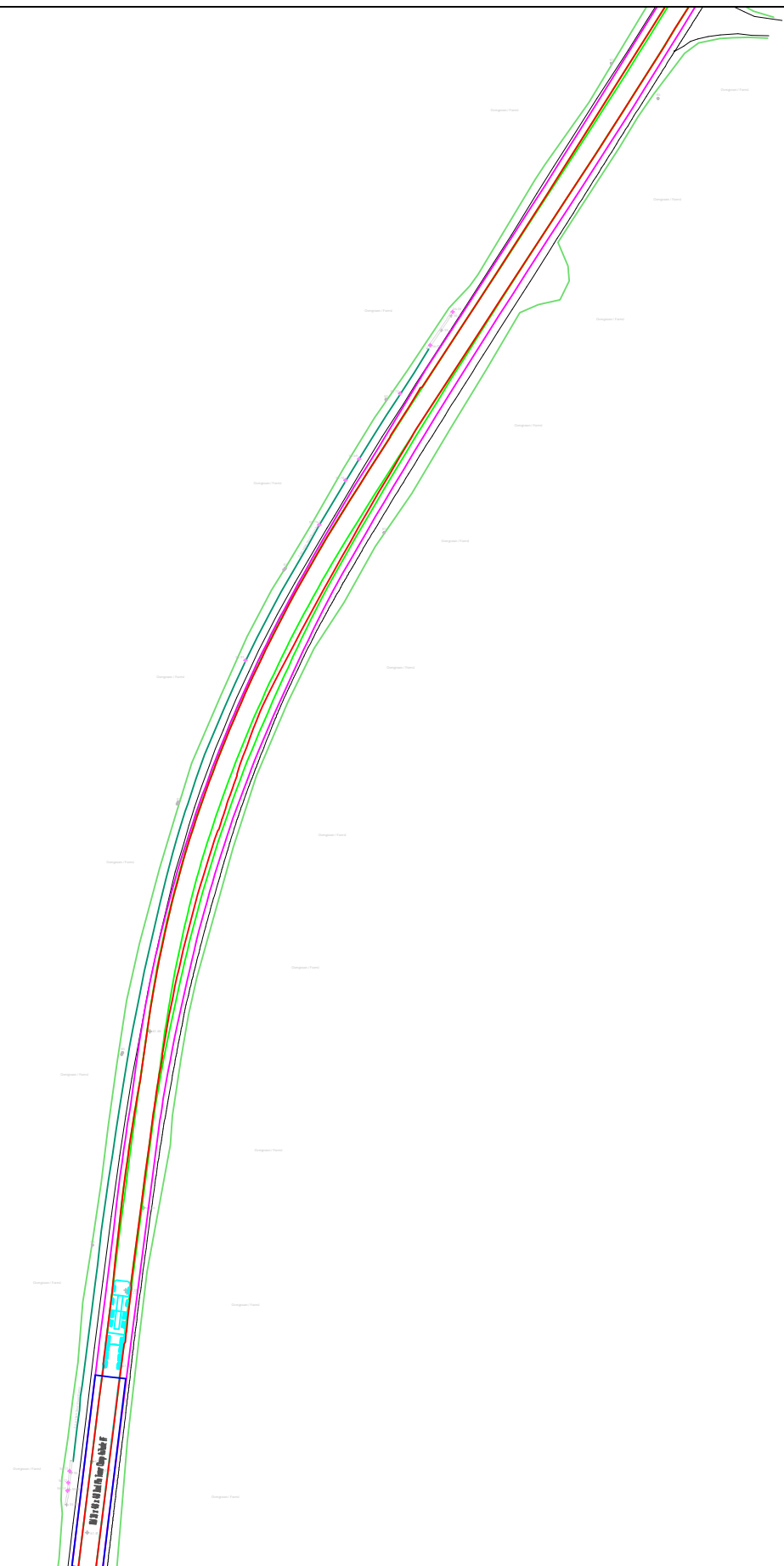
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<b>Pell Frischmann</b> 93 GEORGE STREET, EDINBURGH, EH2 3ES Tel: +44 (0)131 240 1270 Email: ptedinburgh@pellfrischmann.com www.pellfrischmann.com	Project	Lemanaghan Wind Farm		Drawn	TL	04/02/2026	Scale	1:1000 @ A3		
	Client	Bord Na Mona		Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg		
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower		Checked	GB	04/02/2026	Drawing Status	Draft		
	SPA Location	N62 South of BnM Briquette Factory		Point of Interest	13		Drawing No.	SK12		
		<b>NO MITIGATION REQUIRED</b>		Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.				Revision	1

SG170 Blade

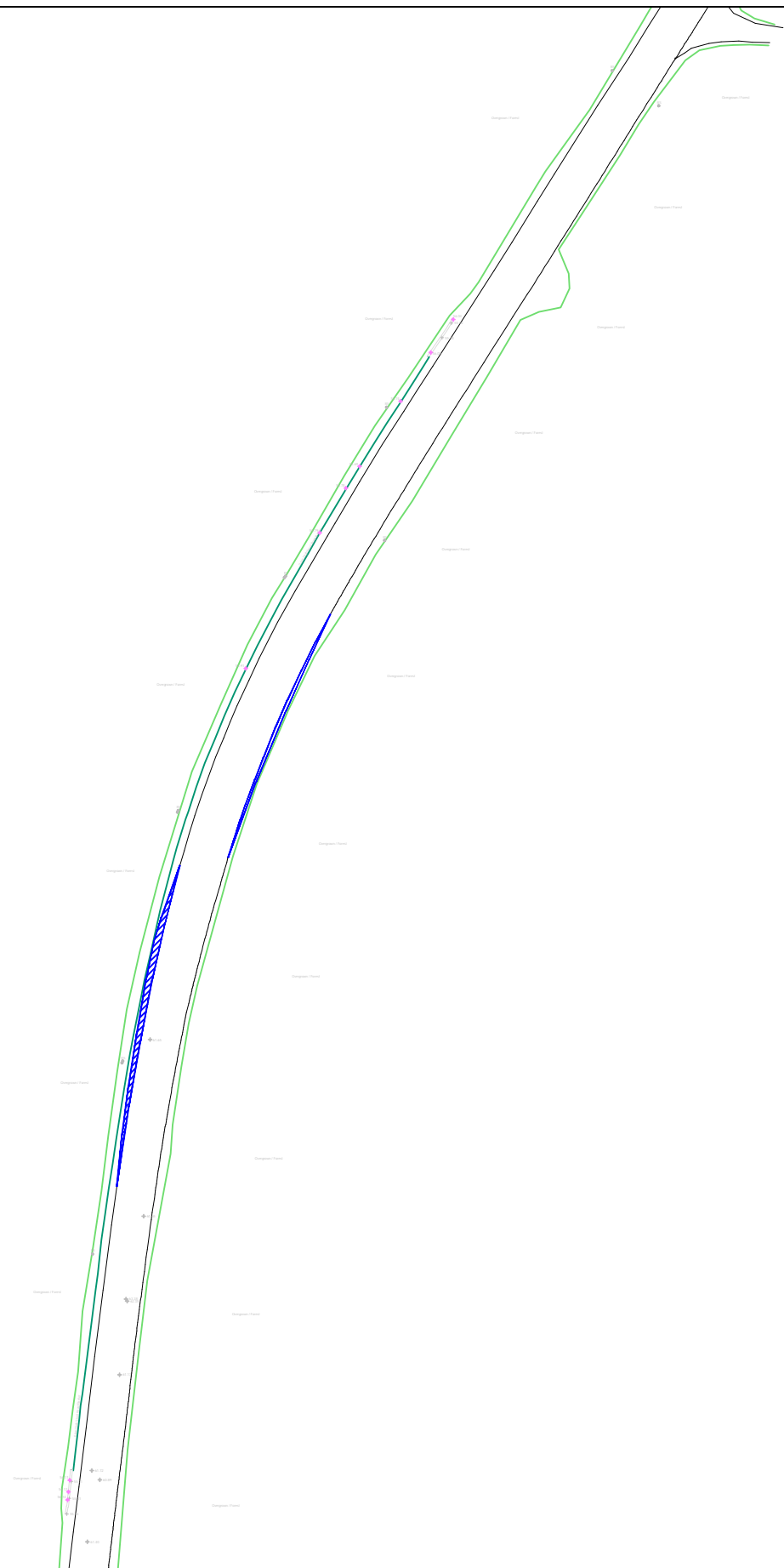


Tower



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	Name	Date	Scale															
TL	04/02/2026	1:1000 @ A3																
GB	04/02/2026	File No. 260203 Lemanaghan SG170 retrack Superwing.dwg																
GB	04/02/2026	Drawing Status																
Point of Interest		Draft																
Client	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	<table border="1"> <tr> <td>Drawing No.</td> <td>Notes:</td> <td>Revision</td> </tr> <tr> <td>SK12A</td> <td>1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.</td> <td>1</td> </tr> </table>	Drawing No.	Notes:	Revision	SK12A	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1									
Drawing No.	Notes:	Revision																
SK12A	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1																
<b>Bord Na Mona</b>	SPA Location	N62 South of BnM Briquette Factory																
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail																		



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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	04/02/2026	Drawing Status	Draft
	SPA Location	N62 South of BnM Briquette Factory	Point of Interest	13		Drawing No.	SK12B
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1

SG155 Blade

Tower



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Project  
 Lemanaghan Wind Farm

Drawing Title  
 Siemens Gamesa SG155 & SG170 Blade and Mid Tower

SPA Location  
 N62 South of BnM Briquette Factory

Drawn	TL	04/02/2026	Scale	1:1000 @ A3
Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
Checked	GB	04/02/2026	Drawing Status	Draft
Point of Interest	13		Revision	1
Drawing No.	SK13		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	

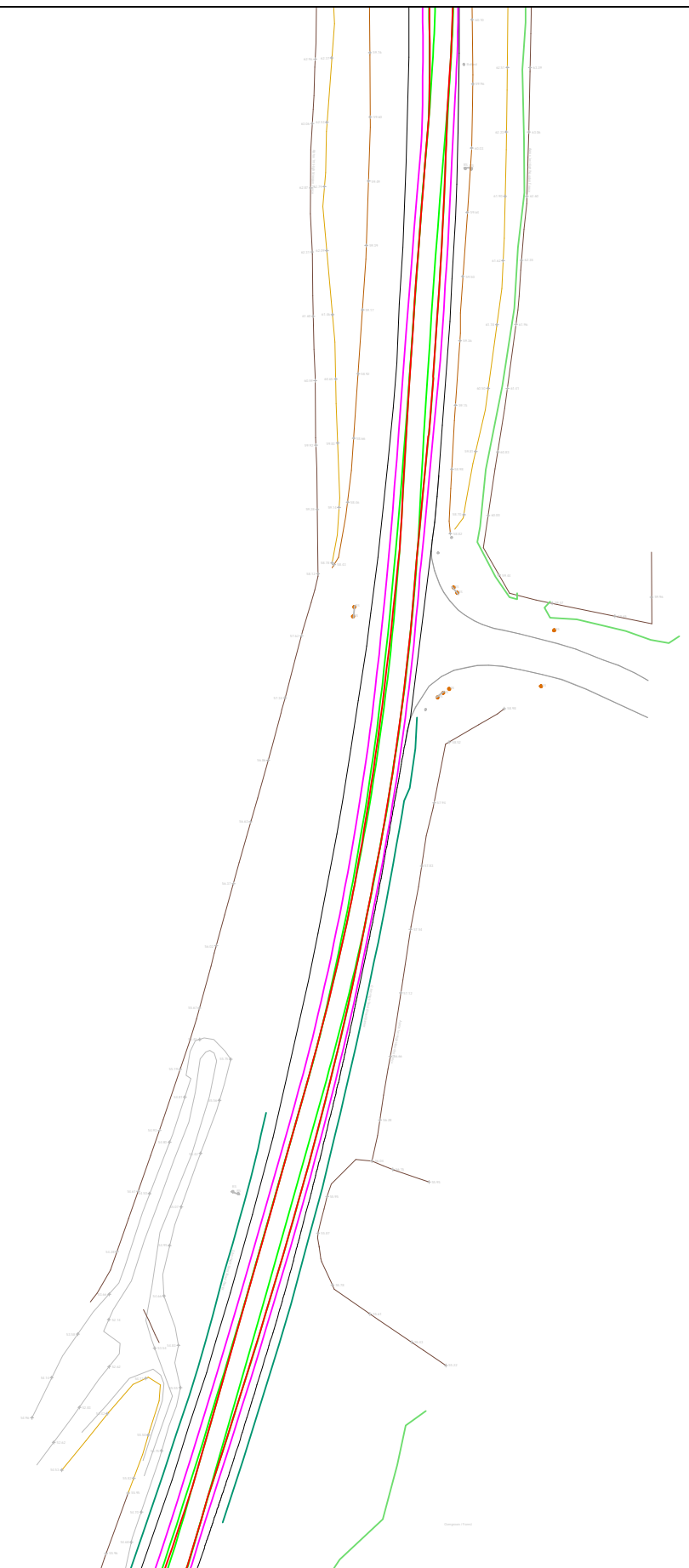
Client	Bord Na Mona					
Key	<span style="color: red;">—</span>	<span style="color: green;">—</span>	<span style="color: magenta;">—</span>	<span style="color: cyan;">—</span>	<span style="border: 1px solid red; padding: 2px;"> </span>	<span style="border: 1px solid blue; padding: 2px;"> </span>
	Wheel SPA	Body SPA	Load SPA	Indicative	Over-run	Over-sail

**NO MITIGATION REQUIRED**

SG170 Blade



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Project  
Lemanaghan Wind Farm

Drawn	TL	04/02/2026	Scale	1:1000 @ A3
Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
Checked	GB	04/02/2026	Drawing Status	Draft
Point of Interest	13			

Client  
Bord Na Mona

Drawing Title  
Siemens Gamesa SG155 & SG170 Blade and Mid Tower

Drawing No.	SK13A	Notes:	Revision
		1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1

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	Wheel SPA	Body SPA	Load SPA	Indicative	Over-run	Over-sail

SPA Location  
N62 South of BnM Briquette Factory **NO MITIGATION REQUIRED**

SG155 Blade



Tower



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Project

Lemanaghan Wind Farm

Drawn	TL	04/02/2026	Scale	1:1000 @ A3
Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
Checked	GB	04/02/2026	Drawing Status	Draft
Point of Interest	14		Revision	1

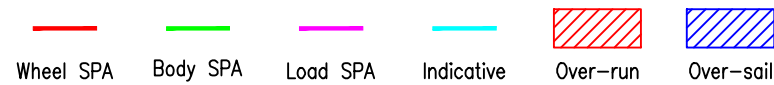
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Bord Na Mona

Drawing Title

Siemens Gamesa SG155 & SG170 Blade and Mid Tower

Key



SPA Location

N62 BnM Briquette Factory

**NO MITIGATION REQUIRED**

Drawing No.	SK14	Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.
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SG170 Blade



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Project

Lemanaghan Wind Farm

	Name	Date	Scale
Drawn	TL	04/02/2026	1:1000 @ A3
Designed	GB	04/02/2026	File No. 260203 Lemanaghan SG170 retrack Superwing.dwg
Checked	GB	04/02/2026	Drawing Status
Point of Interest	14		Draft

Client

Bord Na Mona

Drawing Title

Siemens Gamesa SG155 & SG170 Blade and Mid Tower

Drawing No.	Notes:	Revision
SK14A	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1

Key						
	Wheel SPA	Body SPA	Load SPA	Indicative	Over-run	Over-sail

SPA Location

N62 South of BnM Briquette Factory

**NO MITIGATION REQUIRED**

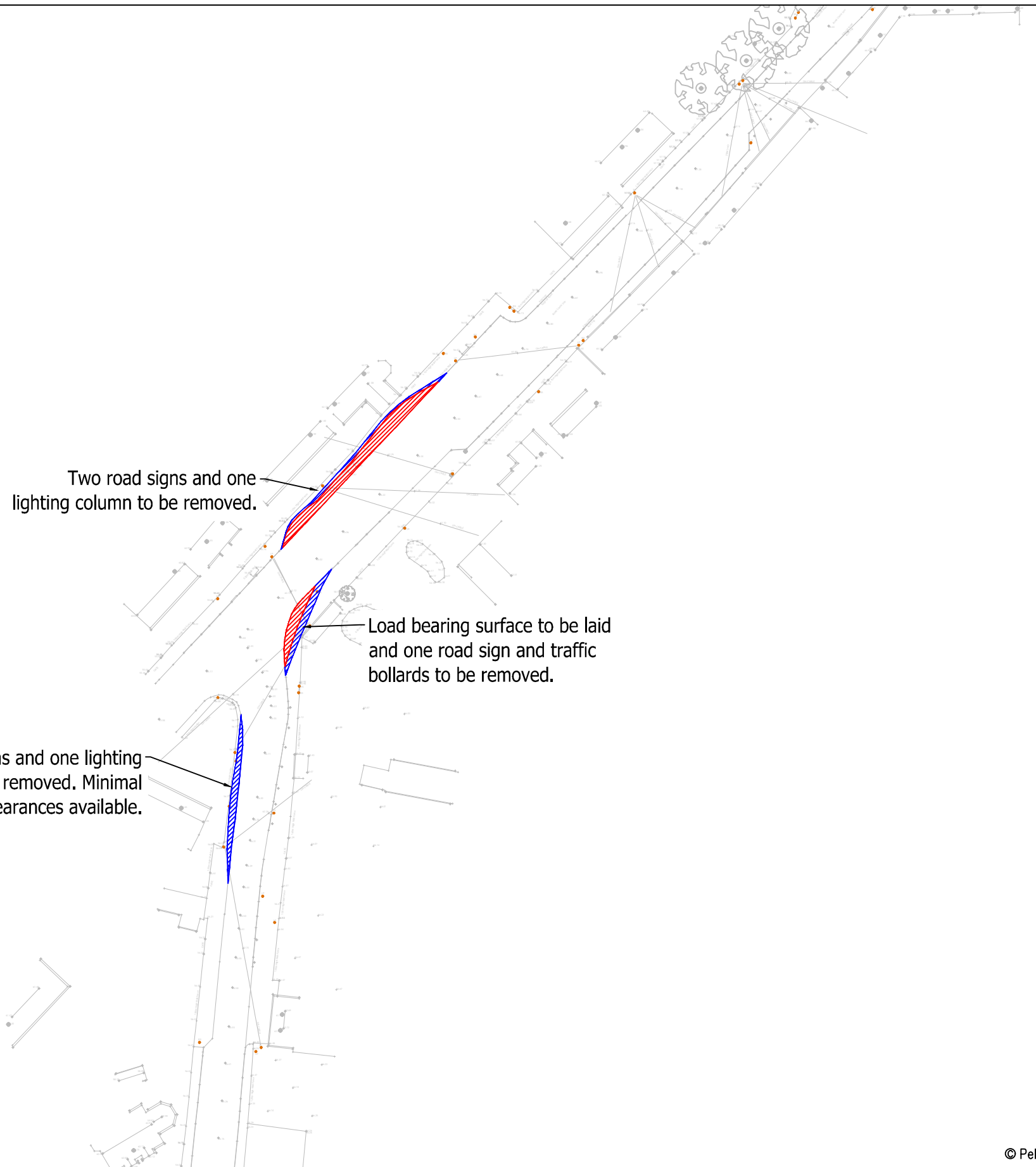
SG155 Blade

Tower



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<b>Pell Frischmann</b> 93 GEORGE STREET, EDINBURGH, EH2 3ES Tel: +44 (0)131 240 1270 Email: ptedinburgh@pellfrischmann.com www.pellfrischmann.com	Project	Lemanaghan Wind Farm	<table border="1"> <tr> <td>Drawn</td> <td>TL</td> <td>04/02/2026</td> <td>Scale</td> <td>1:1000 @ A3</td> </tr> <tr> <td>Designed</td> <td>GB</td> <td>04/02/2026</td> <td>File No.</td> <td>260203 Lemanaghan SG170 retrack Superwing.dwg</td> </tr> <tr> <td>Checked</td> <td>GB</td> <td>04/02/2026</td> <td>Drawing Status</td> <td>Draft</td> </tr> </table>	Drawn	TL	04/02/2026	Scale	1:1000 @ A3	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg	Checked	GB	04/02/2026	Drawing Status	Draft
	Drawn	TL	04/02/2026	Scale	1:1000 @ A3													
Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg														
Checked	GB	04/02/2026	Drawing Status	Draft														
Client	Bord Na Mona	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower															
Key Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	SPA Location	N62 Cloghan	<table border="1"> <tr> <td>Point of Interest</td> <td>15</td> <td>Revision</td> <td>1</td> </tr> <tr> <td>Drawing No.</td> <td>SK15</td> <td colspan="2">           Notes:            1. All mitigation is subject to confirmation through a test run.            2. This is not a construction drawing and is intended for illustration purposes only.         </td> </tr> </table>	Point of Interest	15	Revision	1	Drawing No.	SK15	Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.								
Point of Interest	15	Revision	1															
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	Client	Bord Na Mona	Drawing Title	Designed	GB	04/02/2026	File No.
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	SPA Location	N62 Cloghan	Checked	GB	04/02/2026	Drawing Status	Draft
				Point of Interest		15	Revision
			Drawing No.	SK15A	Notes:		1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.

SG170 Blade

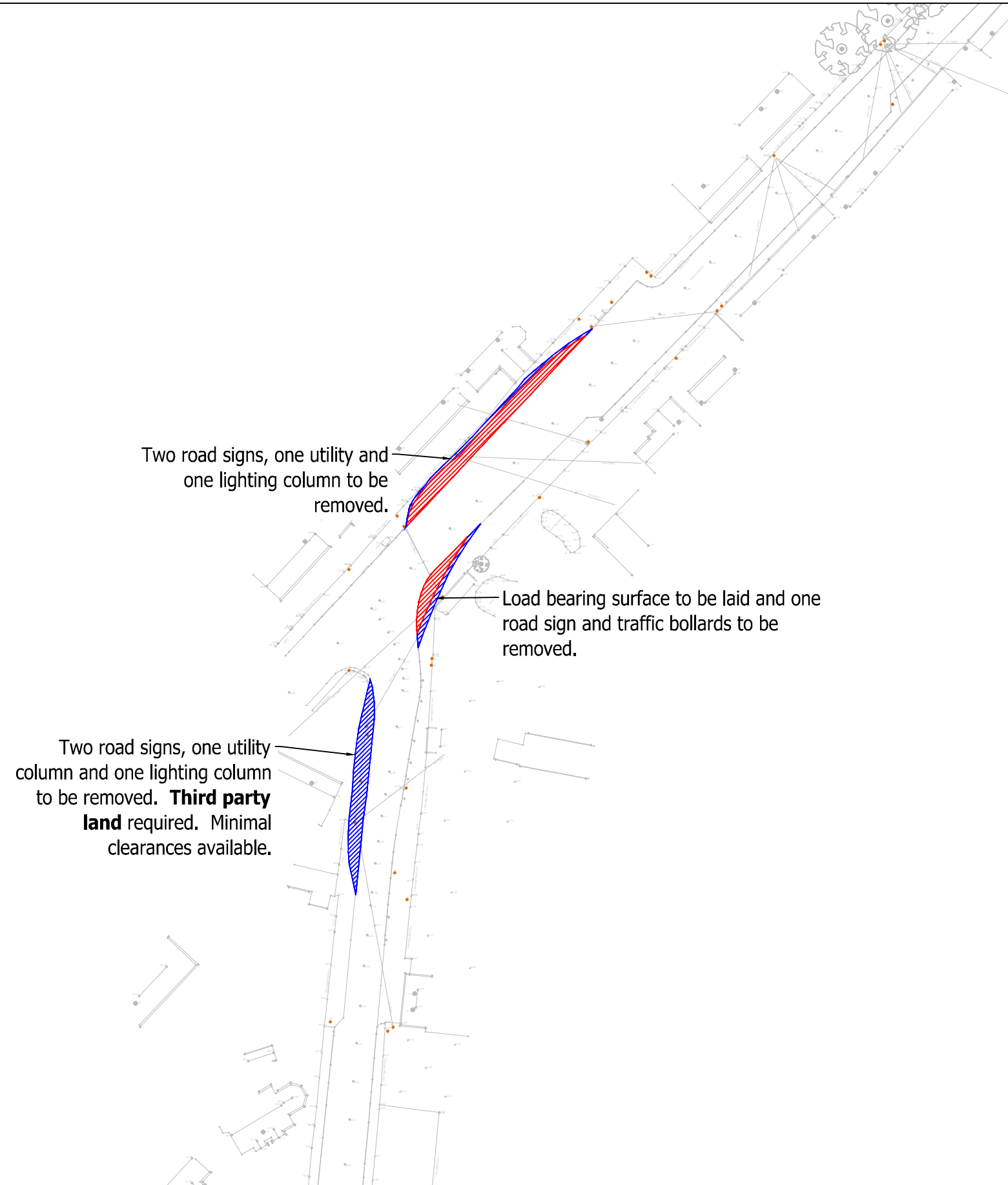
Tower



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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px; transform: rotate(45deg);"></span> Over-run <span style="border: 1px solid blue; display: inline-block; width: 10px; height: 10px; transform: rotate(45deg);"></span> Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	04/02/2026	Drawing Status	Draft
	SPA Location	N62 Cloghan	Point of Interest	15		Drawing No.	SK15B
	Notes:						Revision

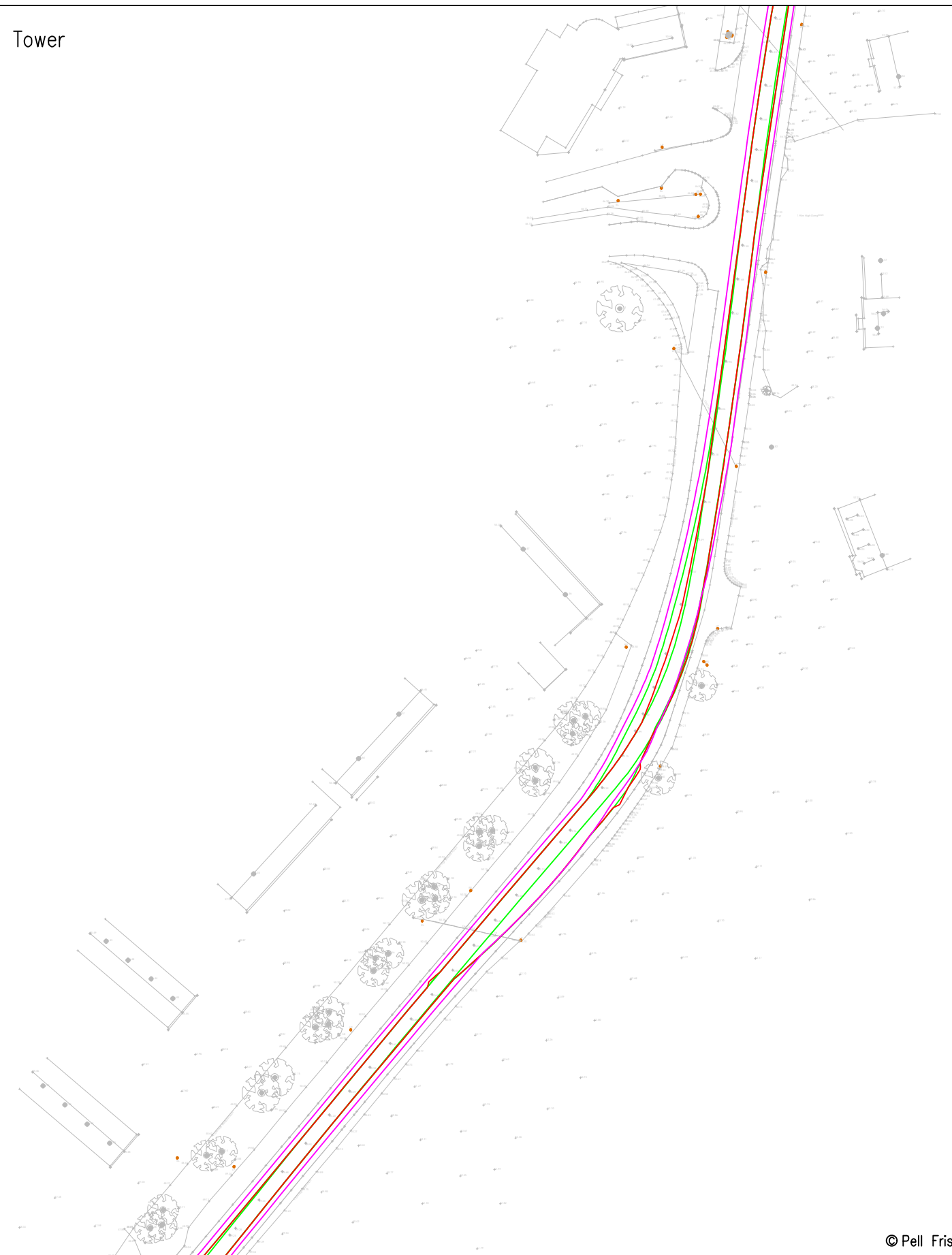
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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border: 1px solid red; padding: 2px;"> </span> Over-run <span style="border: 1px solid blue; padding: 2px;"> </span> Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	04/02/2026	Drawing Status	Draft
	SPA Location	N62 Cloghan	Point of Interest	15		Drawing No.	SK15C
		Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.				Revision	1

SG155 Blade

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Project  
Lemanaghan Wind Farm

Drawn	TL	04/02/2026	Scale	1:1000 @ A3
Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
Checked	GB	04/02/2026	Drawing Status	Draft
Point of Interest	16			

Client  
Bord Na Mona

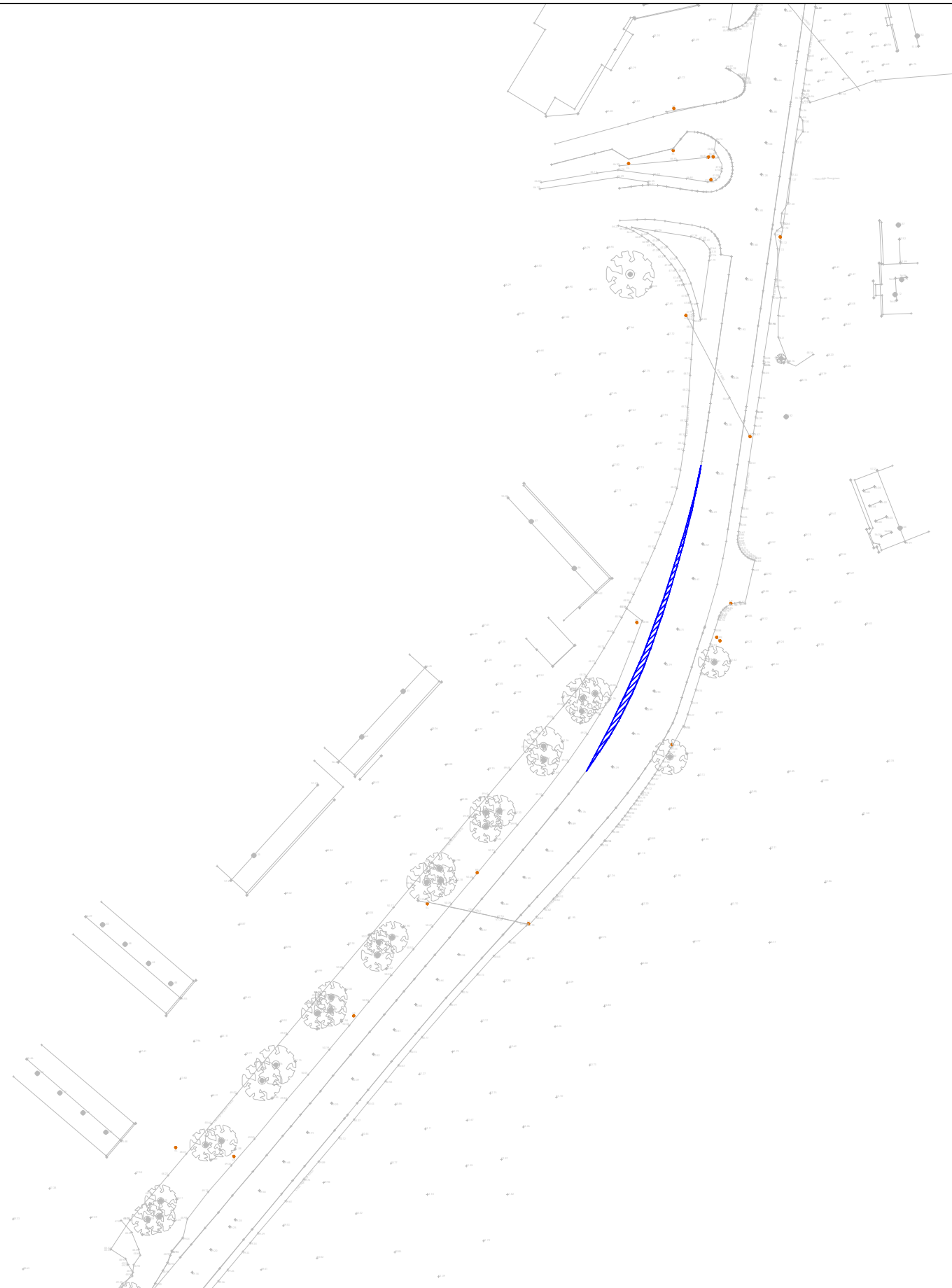
Drawing Title  
Siemens Gamesa SG155 & SG170 Blade and Mid Tower

Key

<span style="color: red;">—</span>	<span style="color: green;">—</span>	<span style="color: magenta;">—</span>	<span style="color: cyan;">—</span>		
Wheel SPA	Body SPA	Load SPA	Indicative	Over-run	Over-sail

SPA Location  
N62 Ferbane

Drawing No.	Notes:	Revision
SK16	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1



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	Client	Bord Na Mona	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower		Designed	GB	04/02/2026	File No.
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	SPA Location	N62 Ferbane	Checked	GB	04/02/2026	Point of Interest	16	Drawing Status	Draft
			Drawing No.	SK16A		Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.		Revision

SG170 Blade



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Point of Interest	16	Drawing Status																			
Draft																					
Client	Bord Na Mona	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower																		
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	SPA Location	N62 Ferbane	<table border="1"> <tr> <td>Drawing No.</td> <td>Notes:</td> <td>Revision</td> </tr> <tr> <td>SK16B</td> <td>                     1. All mitigation is subject to confirmation through a test run.                      2. This is not a construction drawing and is intended for illustration purposes only.                 </td> <td>1</td> </tr> </table>	Drawing No.	Notes:	Revision	SK16B	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1												
Drawing No.	Notes:	Revision																			
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SG155 Blade

Tower



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Client **Bord Na Mona**

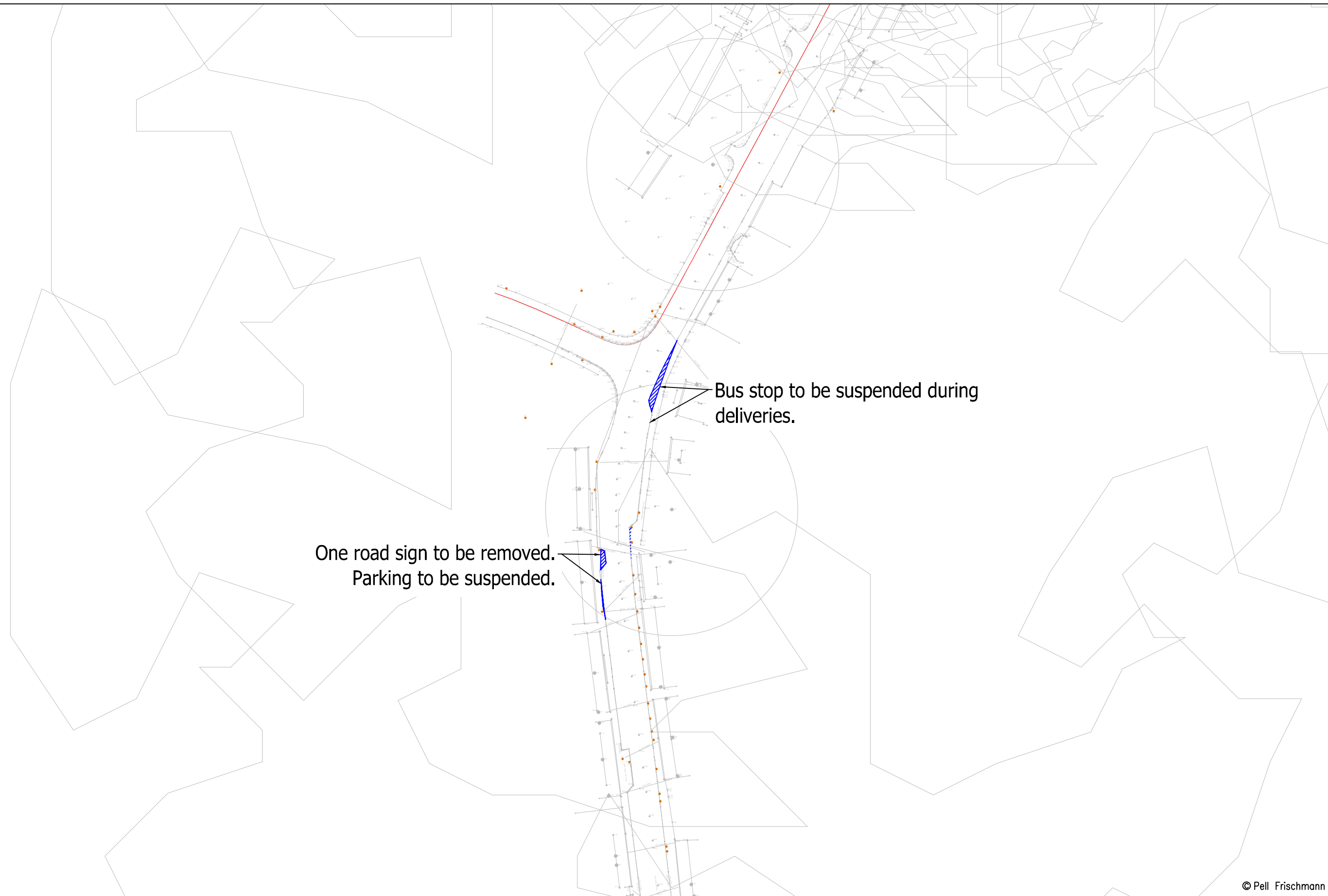
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	Wheel SPA	Body SPA	Load SPA	Indicative	Over-run	Over-sail

Project **Lemnaghan Wind Farm**

Drawing Title **Siemens Gamesa SG155 & SG170 Blade and Mid Tower**

SPA Location **N62 Ferbane**

	Name	Date	Scale	1:1000 @ A3
Drawn	TL	04/02/2026	File No. 260203 Lemnaghan SG170 retrack Superwing.dwg	Drawing Status Draft
Designed	GB	04/02/2026		
Checked	GB	04/02/2026		
Point of Interest	17		Drawing No.	Revision
SK17	Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.		1	

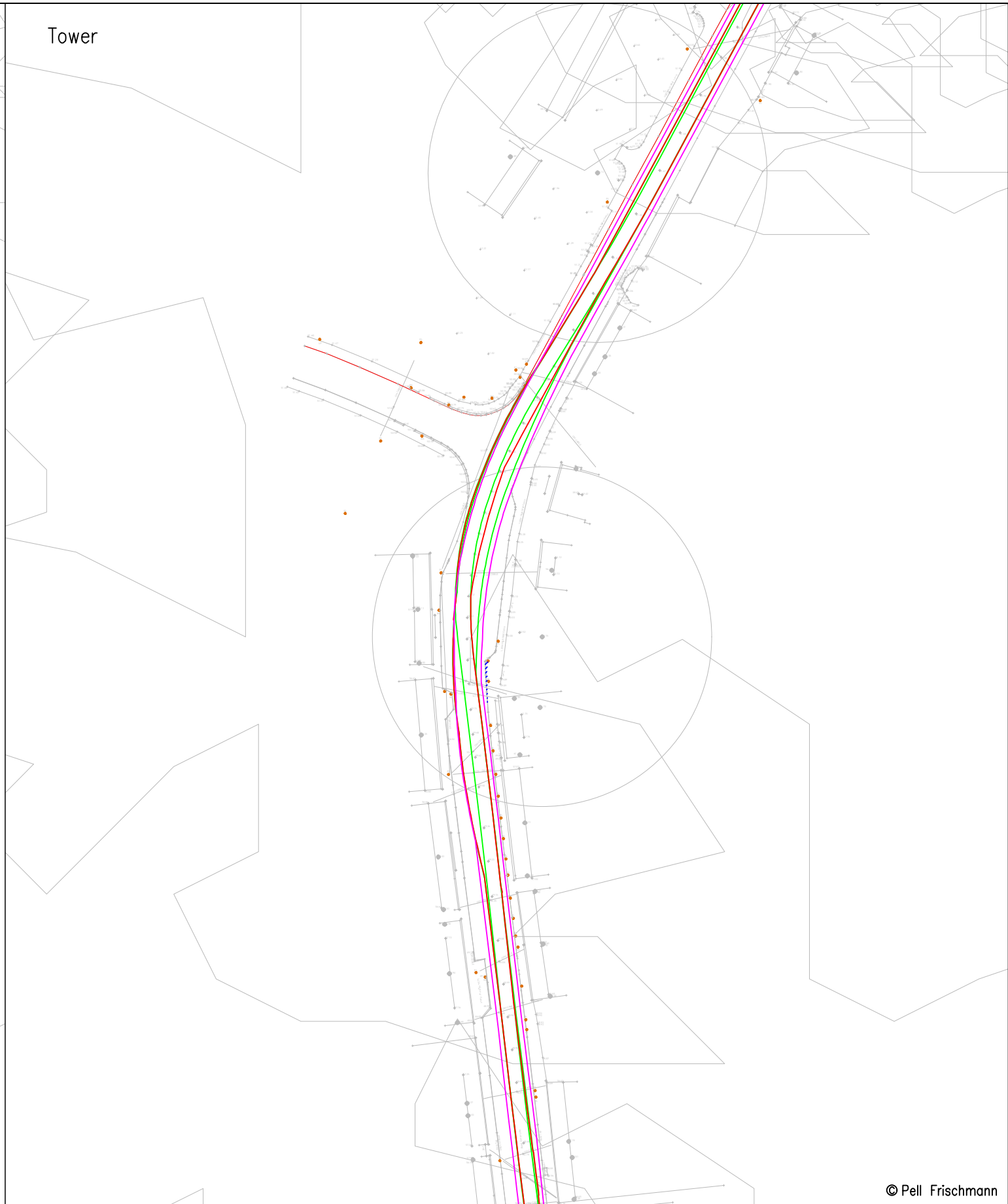


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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	04/02/2026	Drawing Status	Draft
	SPA Location	N62 Ferbane	Point of Interest	17		Drawing No.	SK17A
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	1

SG170 Blade

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Project  
Lemanaghan Wind Farm

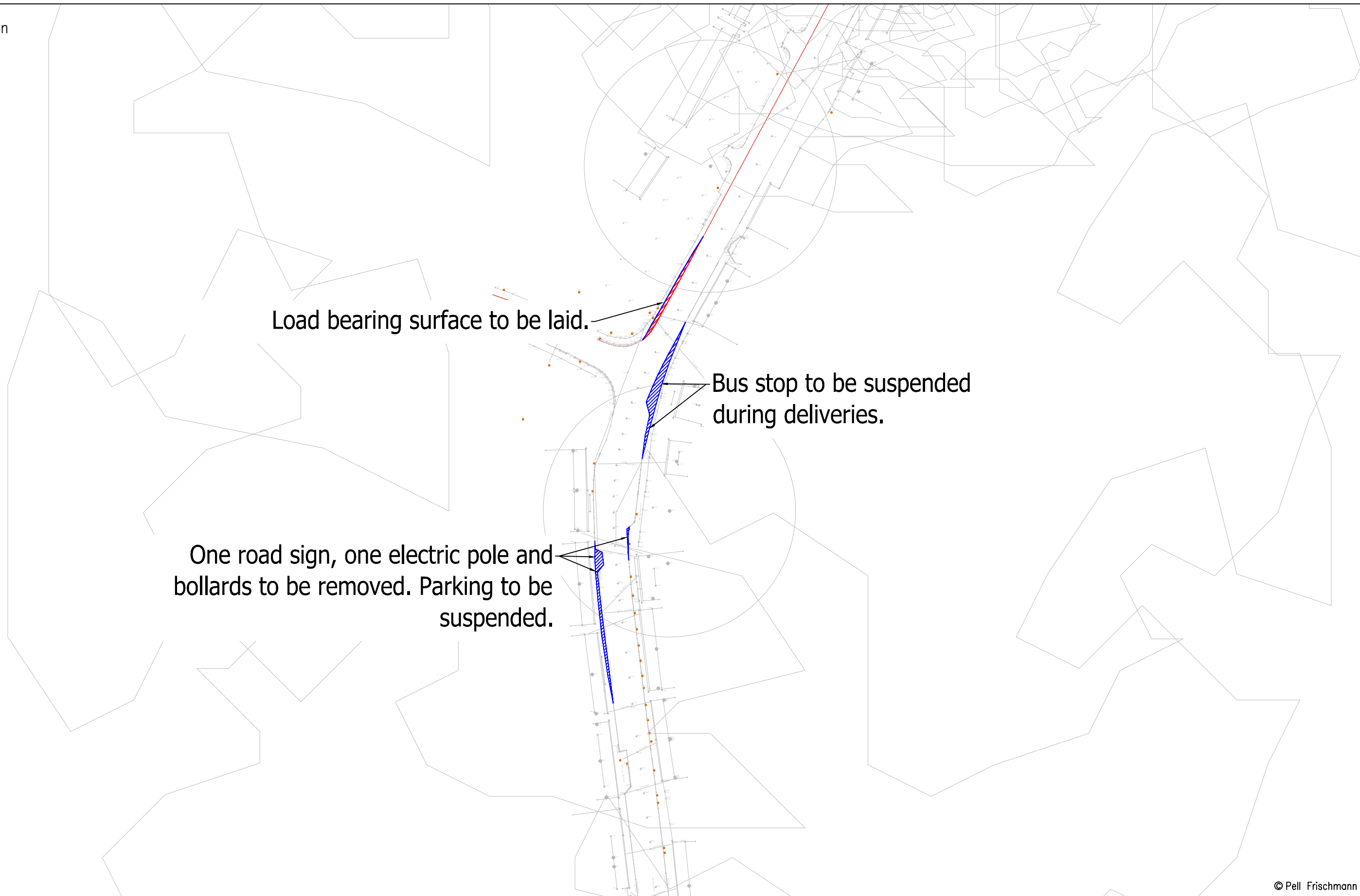
Drawing Title  
Siemens Gamesa SG155 & SG170 Blade and Mid Tower

SPA Location  
N62 Ferbane

Drawn	TL	04/02/2026	Scale	1:1000 @ A3
Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
Checked	GB	04/02/2026	Drawing Status	Draft
Point of Interest	17		Revision	1
Drawing No.	SK17B		Notes:	1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.

Client: Bord Na Mona

Key						
	Wheel SPA	Body SPA	Load SPA	Indicative	Over-run	Over-sail



Load bearing surface to be laid.

Bus stop to be suspended during deliveries.

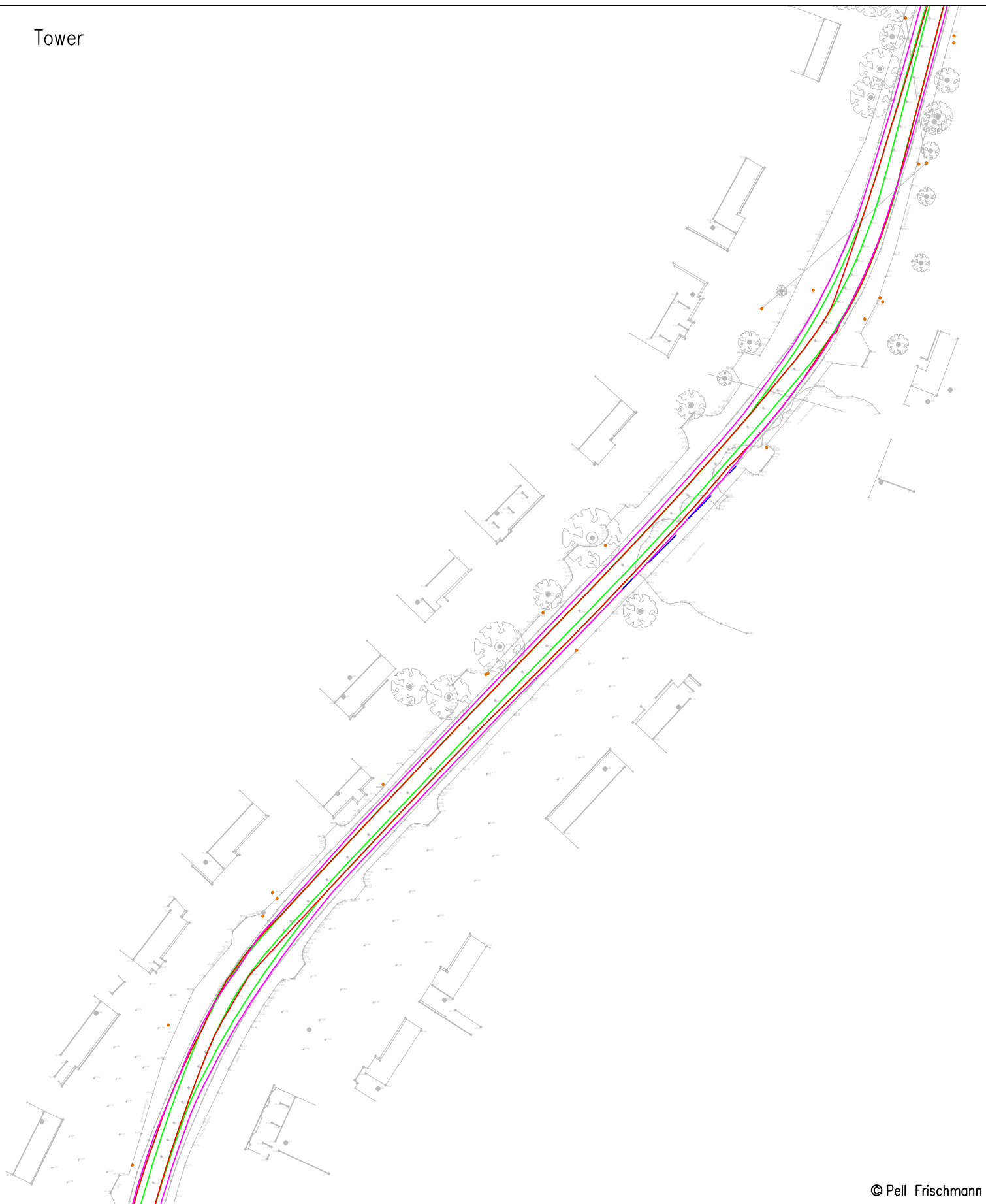
One road sign, one electric pole and bollards to be removed. Parking to be suspended.

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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> Wheel SPA (Red line) Body SPA (Green line) Load SPA (Purple line) Indicative (Cyan line) Over-run (Red hatched) Over-sail (Blue hatched)	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	04/02/2026	Drawing Status	Draft
	SPA Location	N62 Ferbane	Point of Interest	17		Drawing No.	SK17C
	Notes:						Revision

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SG155 Blade

Tower



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Client	Bord Na Mona		Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower																							
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Point of Interest		18	Draft																				
Client	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	<table border="1"> <tr> <td>Drawing No.</td> <td rowspan="2">Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.</td> <td>Revision</td> </tr> <tr> <td>SK18A</td> <td>1</td> </tr> </table>	Drawing No.	Notes: 1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	Revision	SK18A	1															
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<b>Bord Na Mona</b>	SPA Location	N62 Ferbane																					
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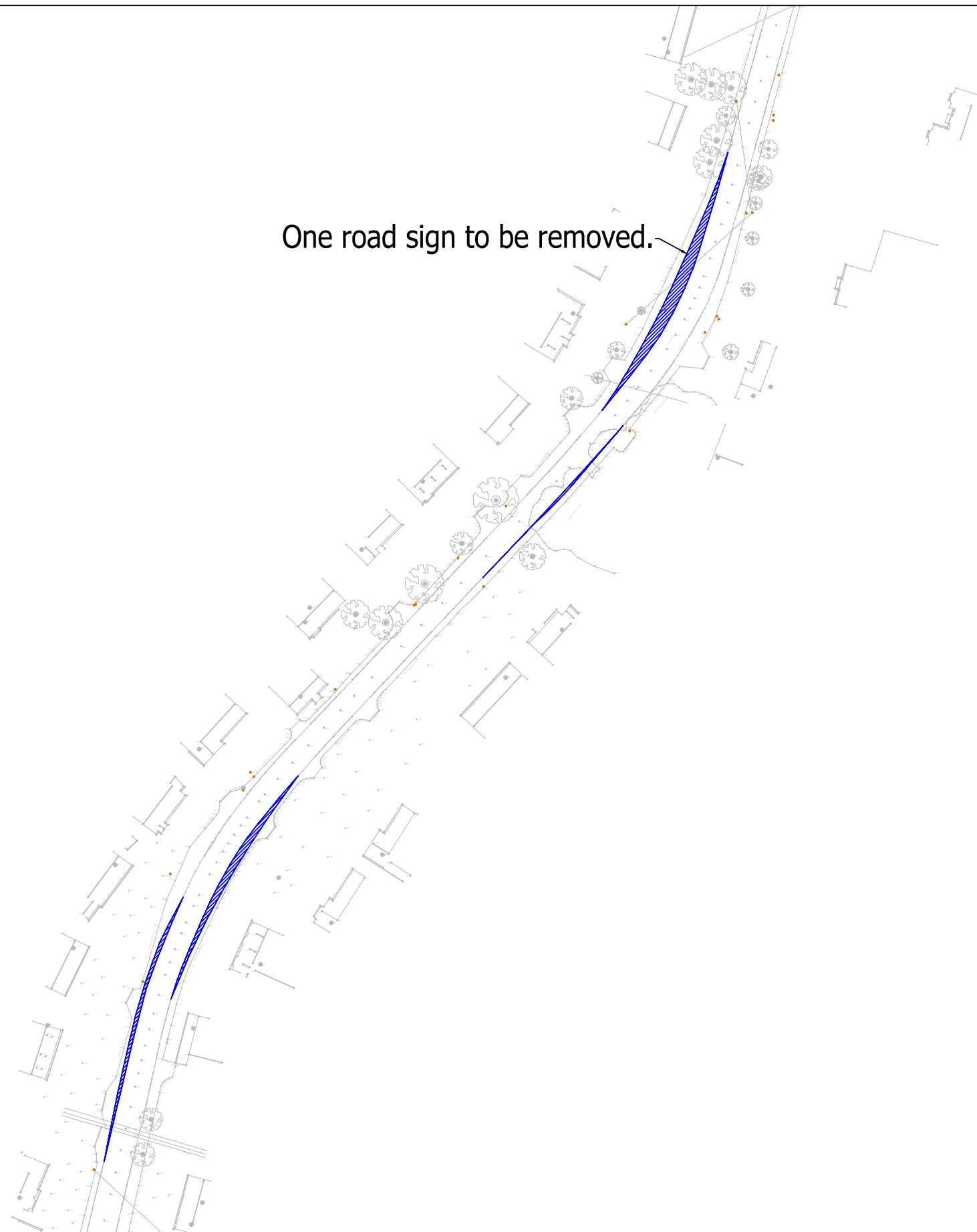
SG170 Blade

Tower



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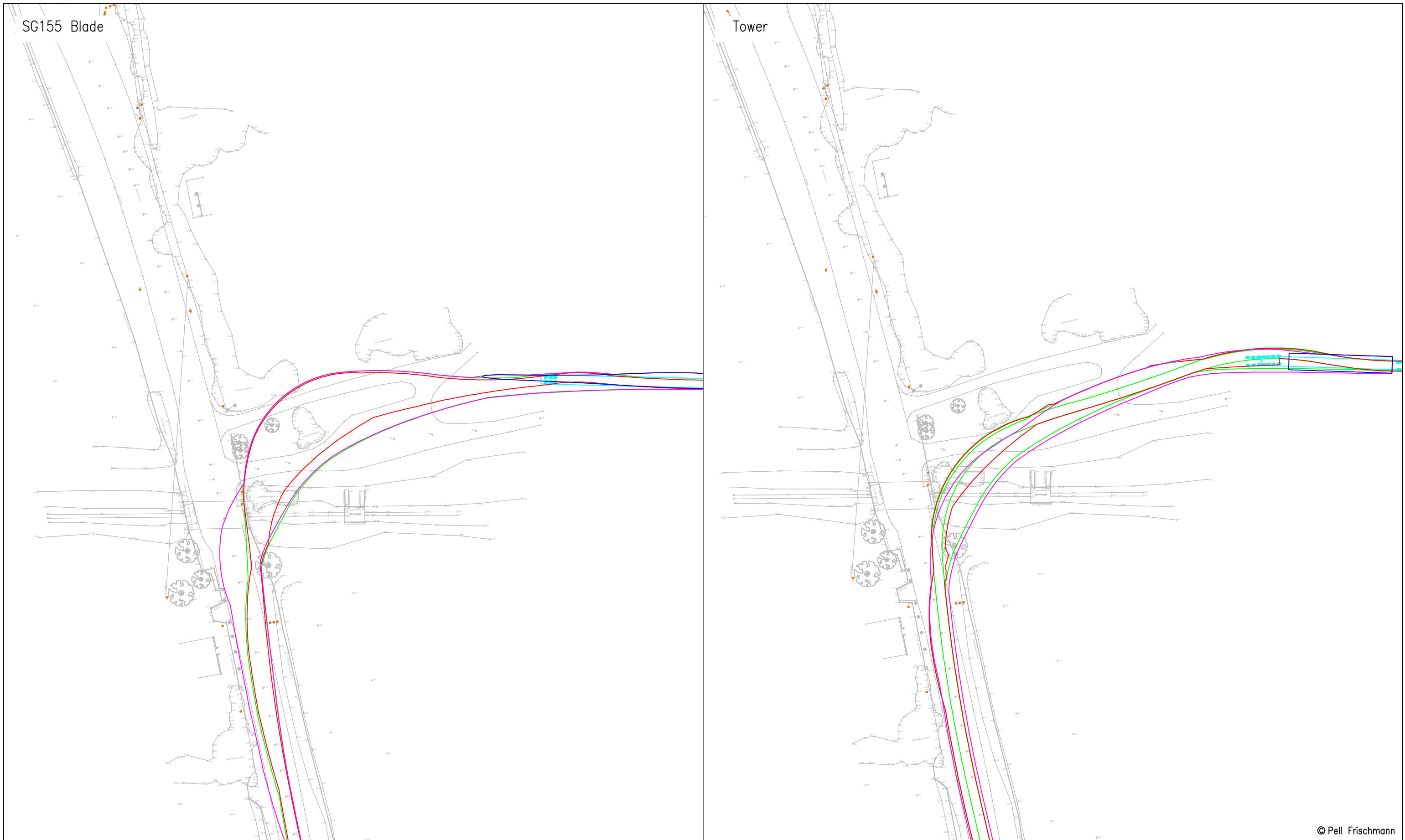
<b>Pell Frischmann</b> <small>93 GEORGE STREET, EDINBURGH, EH2 3ES</small> <small>Tel: +44 (0)131 240 1270</small> <small>Email: ptedinburgh@pellfrischmann.com</small> <small>www.pellfrischmann.com</small>	Project	Lemanaghan Wind Farm	Drawn	TL	04/02/2026	Scale	Custom @ A3
	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemnaghan SG170 retrack Superwing.dwg
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	SPA Location	N62 Ferbane	Point of Interest	18		Drawing No.	SK18B
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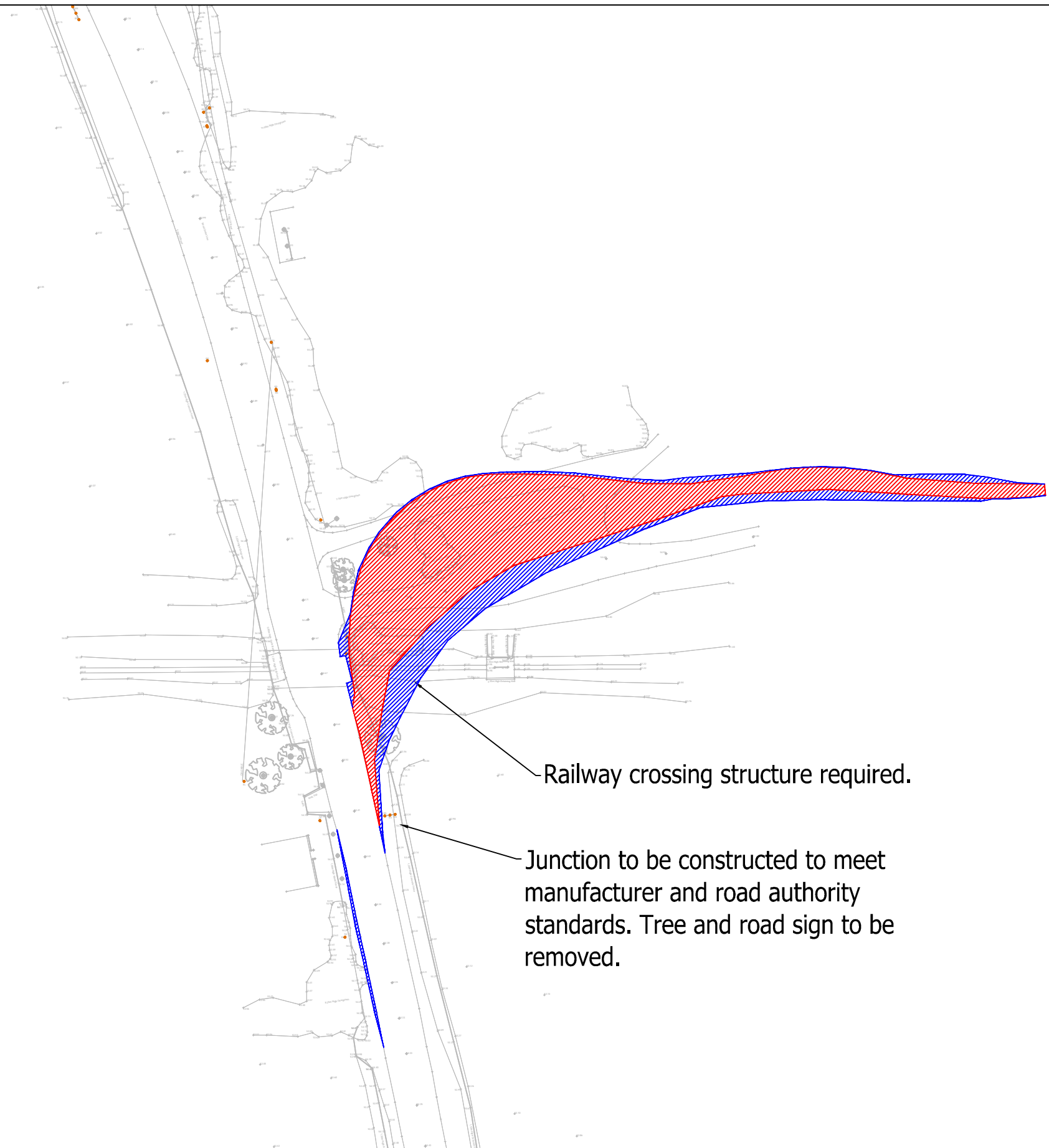
SG155 Blade

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<b>Pell Frischmann</b> 93 GEORGE STREET, EDINBURGH, EH2 3ES Tel: +44 (0)131 240 1270 Email: ptedinburgh@pellfrischmann.com www.pellfrischmann.com	Project	Lemanaghan Wind Farm	Drawn	TL	04/02/2026	Scale	1:1000 @ A3
	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	24/01/2025	Drawing Status	Draft
	SPA Location	N62 Proposed Site Entrance	Point of Interest	19		Drawing No.	SK19D
Notes:							Revision
1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.							2



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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> <span style="color:red">—</span> Wheel SPA <span style="color:green">—</span> Body SPA <span style="color:magenta">—</span> Load SPA <span style="color:cyan">—</span> Indicative <span style="border: 1px solid red; padding: 2px;"> </span> Over-run <span style="border: 1px solid blue; padding: 2px;"> </span> Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	24/01/2025	Drawing Status	Draft
	SPA Location	N62 Proposed Site Entrance	Point of Interest	19		Drawing No.	SK19E
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	2

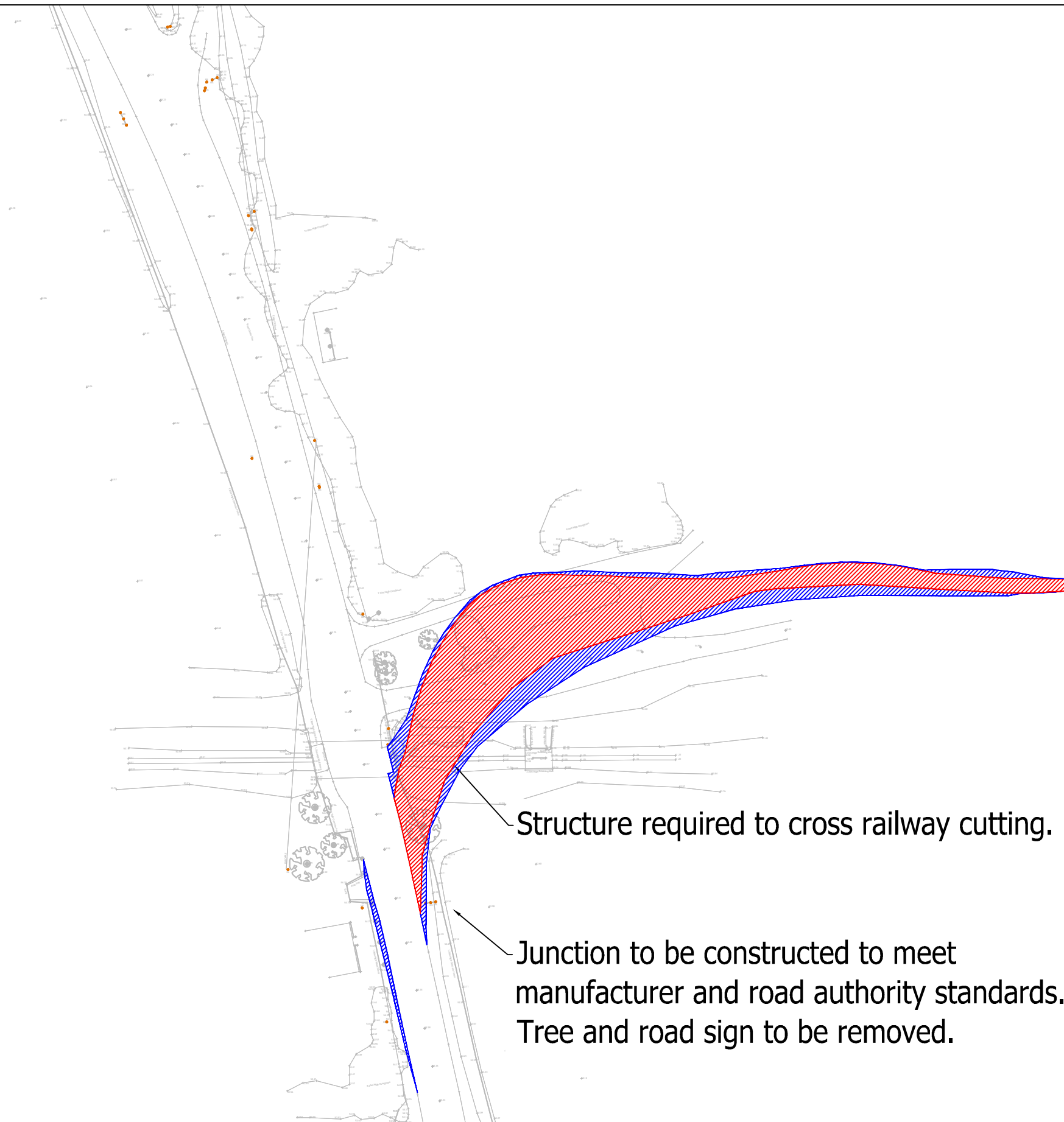
SG170 Blade

Tower



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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b>  Wheel SPA   Body SPA   Load SPA   Indicative   Over-run   Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	24/01/2025	Drawing Status	Draft
	SPA Location	N62 Proposed Site Entrance	Point of Interest	19		Drawing No.	SK19F
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	2



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	Client	Bord Na Mona	Designed	GB	04/02/2026	File No.	260203 Lemanaghan SG170 retrack Superwing.dwg
<b>Key</b> Wheel SPA Body SPA Load SPA Indicative Over-run Over-sail	Drawing Title	Siemens Gamesa SG155 & SG170 Blade and Mid Tower	Checked	GB	24/01/2025	Drawing Status	Draft
	SPA Location	N62 Proposed Site Entrance	Point of Interest	19		Drawing No.	SK19G
						Notes:	Revision
						1. All mitigation is subject to confirmation through a test run. 2. This is not a construction drawing and is intended for illustration purposes only.	2

