

Illaunbaun Wind Farm

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ABNORMAL LOADS ASSESSMENT



SYSTRA

ILLAUNBAUN WIND FARM

ABNORMAL LOADS ASSESSMENT

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1. INTRODUCTION

1.1 General

- 1.1.1 SYSTRA has been commissioned by Gavin & Doherty Geosolutions to undertake an assessment of two identified abnormal load routes to the Illaunbaun Wind Farm site. The site is located within County Clare whilst the identified routes also pass through County Limerick and County Galway. The approximate site location is indicated by **Figure 1**.

Figure 1. Site Location



- 1.1.2 The site access is approximately 4.2km to the east of Milltown Malbay and 7.2km south of Lahinch. The site sits to the south of the L1074 road which runs between the R460 in the east and Milltown Malbay in the west.
- 1.1.3 The turbine components would be landed at either the existing Foynes Port or Galway Harbour facilities, both of which have previously supported the development of onshore wind farms.

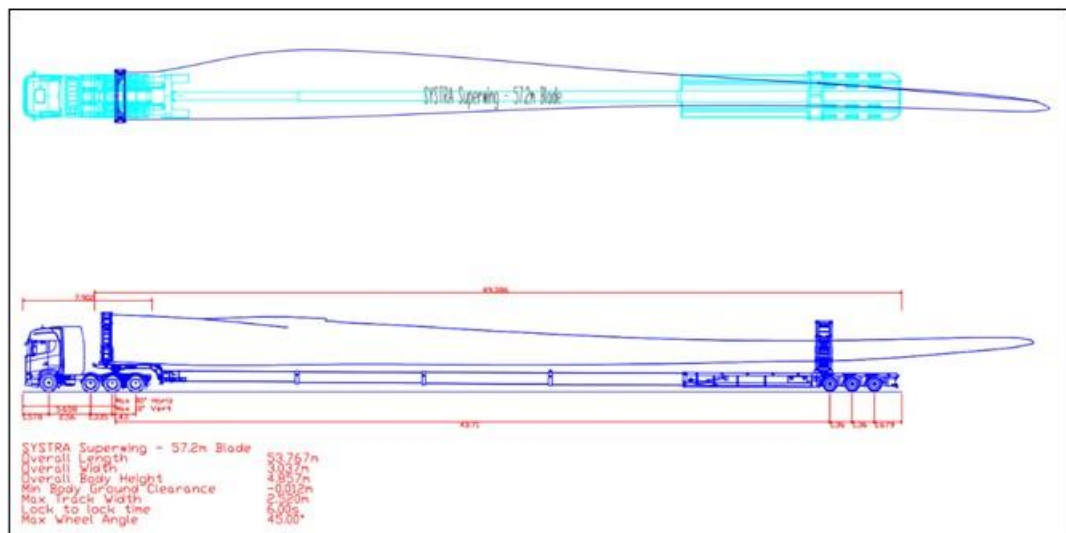
1.2 Turbine Transport Requirements

- 1.2.1 The candidate turbine for the Illaunbaun Wind Farm is the Vestas V117 turbine. For the purposes of this assessment the turbine blade has been assessed as the “worst-case” design component.

Blade Transporter

- 1.2.2 The turbine blade of the V117 is 57.2m in length and would be loaded onto a specialised blade trailer. For the purposes of assessment, it has been assumed that the Turbine Delivery Vehicle (TDV) would compose of a tractor unit, intermediate dolly and a Noteboom Super Wing Carrier Trailer.
- 1.2.3 The Super Wing Trailer incorporates pendle axles which allow for a secondary rear wheel angle of up to 55 degrees. The Super Wing trailer can be extended to 64.3m in length. For this assessment it has been assumed that the trailer would be retracted by 15m for a length of 49.3m. This assumption is based on the loading configuration of other wind turbine blade components. In total the TDV is ~61.7m in length. The turbine blade would overhang the end of the trailer by ~8.2m.
- 1.2.4 A drawing of the TDV is provided in **Appendix A** and at **Figure 2** below.

Figure 2. Turbine Delivery Vehicle

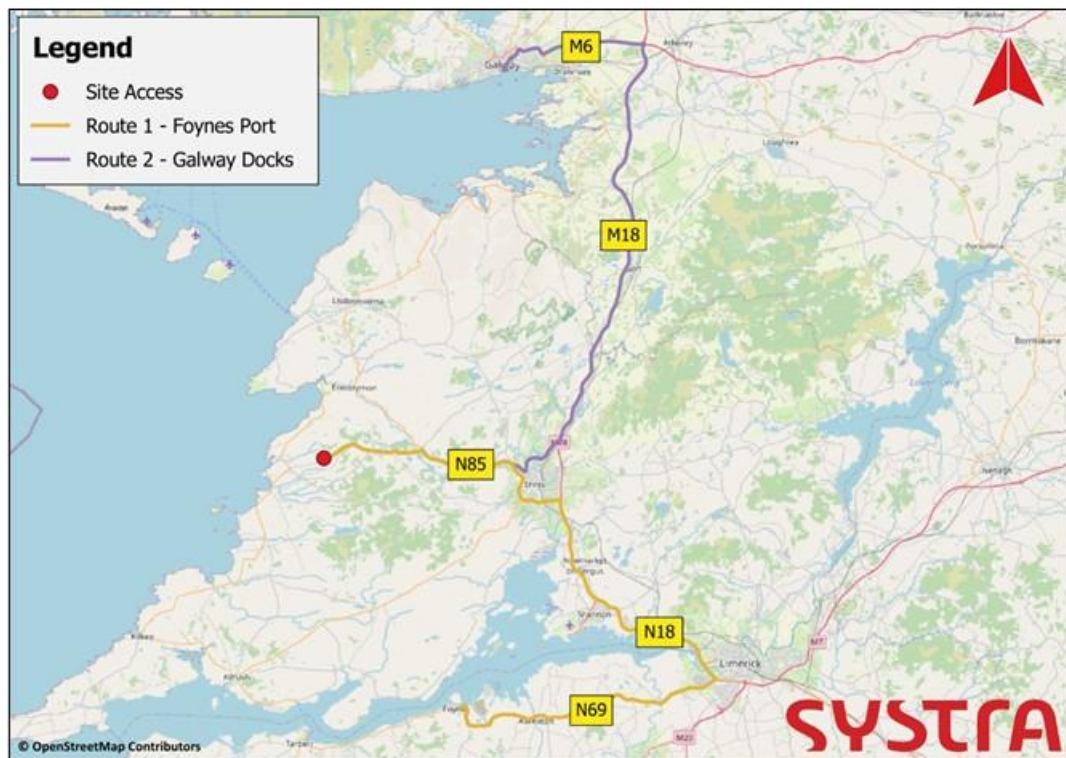


- 1.2.5 At this stage in the design process, the haulier of the wind turbine blades is not yet known, nor the exact specifics of the vehicles that they will use. However, from experience of previous developments, and from the details of the components to be moved, it is possible to estimate (with some degree of accuracy) the specifics of the design vehicles that will be used to allow a detailed and accurate route assessment to be undertaken.
- 1.2.6 SYSTRA has used the Autodesk (CAD) extension package AutoTrack to undertake swept path analysis (SPA) for the identified Pinch Points (PP) on the delivery route. The trailer units associated with the design vehicle for the transportation of the blades are extendable so on delivery of the abnormal load, the trailer can be reduced in length. In these circumstances, the AutoTracking and route assessment has only been undertaken for the delivery route to the site.

1.3 Assessed Abnormal Loads Route

- 1.3.1 The Port of Entry (PoE) for the turbine components is likely to be either Foynes Port or Galway Harbour. The facilities have both been used for the transportation of renewable components in the past. The assessed routes to site are indicated by **Figure 3** below.

Figure 3. Assessed Abnormal Loads Route



- 1.3.2 The identified abnormal load routes are set out in **Table 1**.

Table 1. Abnormal Loads Route Sections

SECTION	CUMULATIVE DISTANCE (KM)	
	Route 1	Route 2
Leave Foynes Port via Dock Road to the east	0.0	-
Turn left onto the N69	1.8	-
At the Dock Road West Roundabout take the 2 nd exit onto the N18 slip road	33.9	-
At J12 of the M18 exit onto the N85	64.3	-
Exit Galway Harbour onto Lough Atalia Road	-	0.5
Bear left onto College Road	-	1.9
Continue straight onto the R339	-	2.0
Turn left at the R339 / Connolly Avenue junction	-	2.9
Turn right onto Tuam Road	-	3.2
Turn right onto the N6	-	3.5
At the Rathmorrisy Interchange take the 3 rd exit onto the M18 south	-	18.3
At J14 of the M18 exit onto the R458	-	68.1
Turn right onto Ballyalla Grove	-	71.8
Turn left onto the unclassified road	-	71.9
At the Drumcliffe Road crossroads turn right onto the L4180	-	74.8
Turn right onto the N85	-	76.5
Turn left onto the R460 at Inagh	86.0	88.1
Bear right onto the L1074	90.3	92.4
Turn right onto Slievenalicka	98.0	100.1
Turn right into Site Access	98.5	100.6

2. SWEPT PATH ASSESSMENT

2.1 Pinch Points

- 2.1.1 In total, there are 18 Pinch Points between Foynes Port and where the two routes meet at the N85 and L4180 junction. There are 16 Pinch Points between Galway Harbour and the convergence point. There are then a further 18 Pinch Points which the two routes have in common. The location of the Pinch Points that have been identified and assessed are indicated by **Figures 4 to 12** below.

Figure 4. PPs at Foynes Port

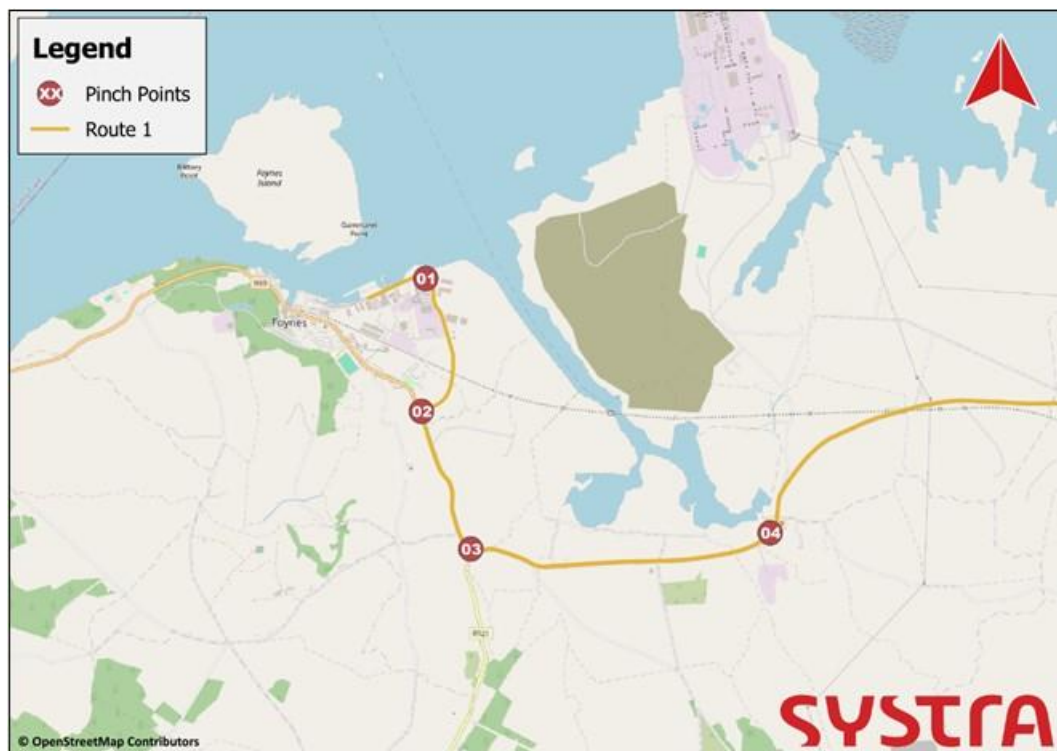


Figure 5. PPs East of Limerick



Figure 6. PPs on N85 Ennis Western Relief Road

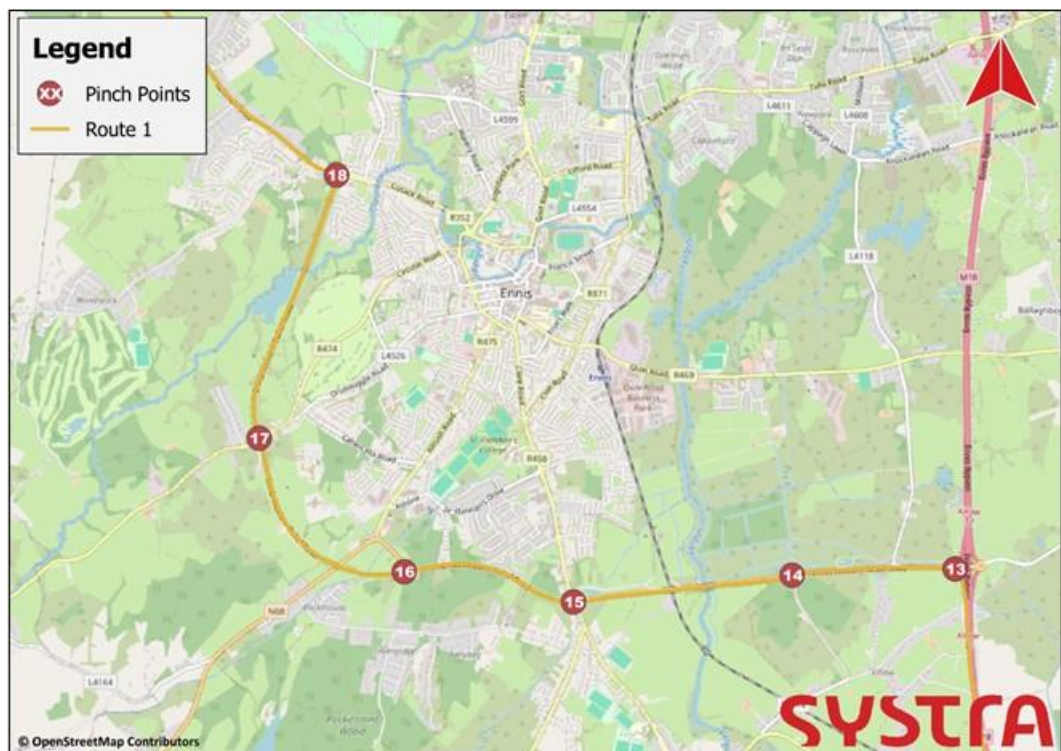


Figure 7. PPs West of Ennis

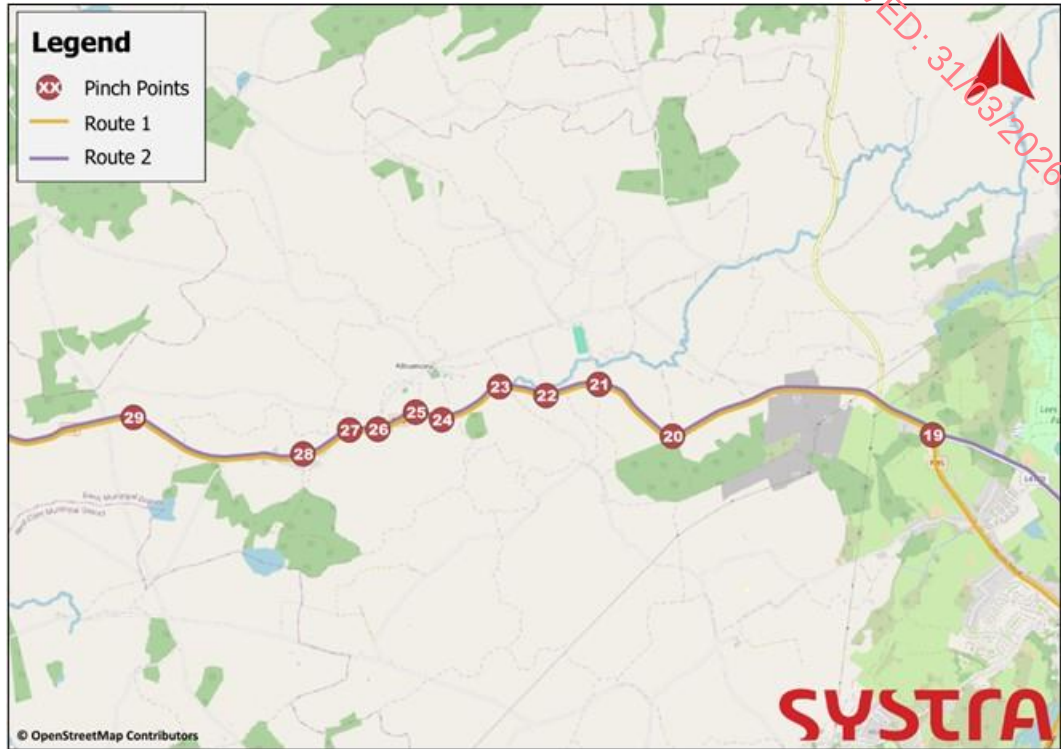


Figure 8. PPs on R460



Figure 9. PPs Near Site Access



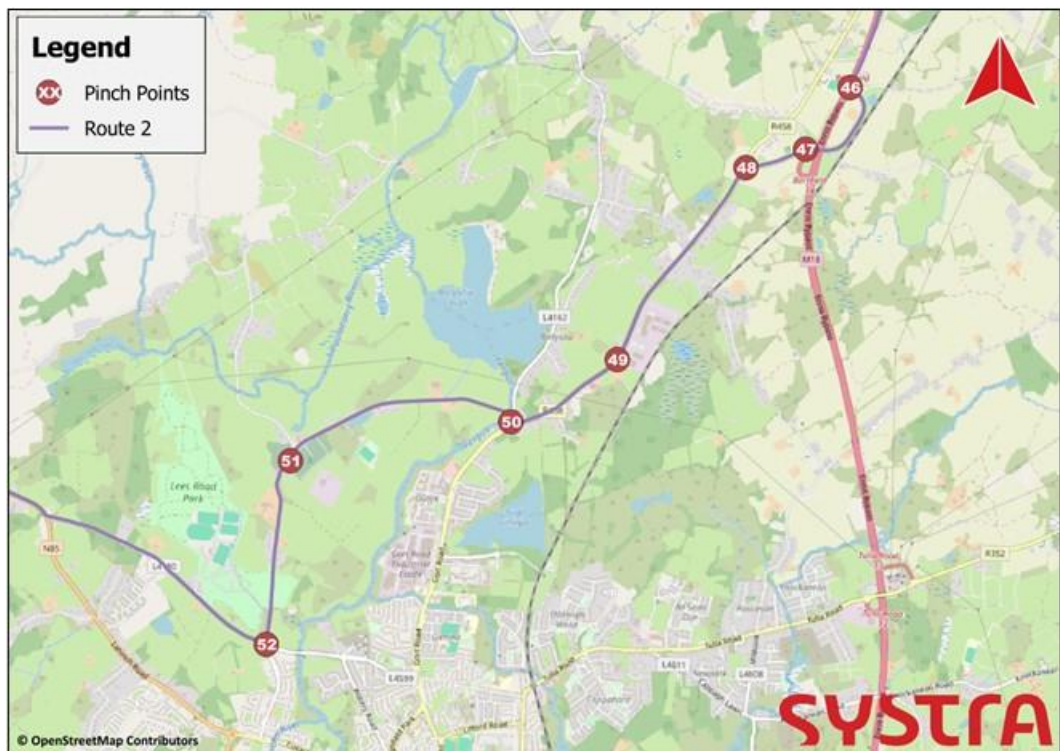
Figure 10. PPs in Galway



Figure 11. PP at Rathmorrissy Interchange



Figure 12. PPs North of Ennis



- 2.1.2 The swept path plans are contained within **Appendix A**. The plans indicate areas of overrun and over-sail, as well as highlighting potential clashes with street furniture and requirements for third-party land.
- 2.1.3 The base mapping utilised in these plans is an extract from Tailte Éireann's Digital Landscape Model. In urban areas, the distinction between carriageway, footways and verges areas is typically shown, however in rural areas typically only the extent of the adopted highway boundary is shown, i.e. no distinction between carriageway and verges.
- 2.1.4 Where possible, during the assessment process, the base mapping was supplemented by aerial mapping with the aim of keeping the TDV within the carriageway extents. While every effort has been made to report any instances of the TDV travelling outwith the carriageway extents, without a detailed survey, the swept path assessment is an estimate at this stage. Although the extent of third party land agreements is unlikely to be affected.
- 2.1.5 **Table 2** summarises the findings at each location for the transportation of the blade component.

Table 2. Pinch Point Summary – Blade Delivery Vehicle

PP	LOCATION	LAT	LONG	STREET FURNITURE REMOVAL	TEMPORARY PAVING / GRADING WORKS	3RD PARTY LAND REQUIREMENTS
01	Bends in Dock Road leaving Foynes Port	52.61447	-9.09469	None	None - wheels of vehicle remain within carriageway.	None
02	Left-hand turn onto N69	52.60478	-9.09497	Overhead cables – height to be checked but should be unaffected	Use of existing overrun area subject to permissions on inside of turn.	None
03	Left-hand bend in N69 at R521 junction	52.59479	-9.08880	None	None – wheels of vehicle remain within carriageway.	None
04	Left-hand bend in N69 south of L6052 junction	52.59629	-9.05295	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
05	Right-hand bend in N9 at Curraghchase	52.61846	-8.87959	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
06	Right-hand bend in N69 at L1241 junction	52.62781	-8.84042	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
07	Right-hand bend in N69 at Kildimo	52.62382	-8.81281	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
08	Narrow bridge over River Maigue	52.61972	-8.76518	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
09	Right-hand bend in N69 at Massy's Bridge	52.62885	-8.74751	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
10	Roundabout on N69 at Clarina	52.63194	-8.73332	1no. chevron sign	Use of existing overrun area in roundabout central island subject to permissions and reinstatement	None
11	Left-hand bend in N69 at Mungret	52.63583	-8.69515	None	None – wheels of vehicle remain within carriageway.	None
12	Dock Road West Roundabout at J2 of N18	52.64553	-8.67253	1no. chevron sign	Use of existing overrun area within roundabout central island subject to permissions and reinstatement	None
13	Killow West Roundabout at J12 of M18	52.82723	-8.93960	None	None – wheels of vehicle remain within carriageway.	None
14	Roundabout on N85	52.82672	-8.95582	1no. chevron sign	New hardstanding overrun area required within roundabout central island.	None
15	Roundabout on N85 at R458	52.82493	-8.97757	1no. chevron sign	New hardstanding overrun area required across roundabout central island	None
15 Alt	Roundabout on N85 at R458	52.82493	-8.97757	1no. chevron sign	None – wheels of vehicle just remain within carriageway extents.	None

PP	LOCATION	LAT	LONG	STREET FURNITURE REMOVAL	TEMPORARY PAVING / GRADING WORKS	3RD PARTY LAND REQUIREMENTS
16	Roundabout on N85 at N68	52.82662	-8.99448	1no. chevron sign 1no. road sign - Section of guard rail	New hardstanding overrun area required across roundabout central island.	None
17	Roundabout on N85 at Golf Links Road	52.83454	-9.00913	1no. chevron sign 2no. traffic signs	- New hardstanding overrun area required across roundabout central island - Transition ramps to enable TDV to mount kerb	None
18	Roundabout on N85 at Cusack Road	52.85048	-9.00176	1no. chevron sign 4no. traffic signs	New hardstanding overrun area required within roundabout central island	None
19	Left-hand bend in N85 at L4180 junction	52.86349	-9.02063	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
20	Tight right-hand bend in N85	52.86315	-9.05065	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
21	Left-hand bend in N85	52.86669	-9.05923	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
22	Right-hand bend in N85	52.86586	-9.06531	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
23	Left-hand bend in N85	52.86642	-9.07069	None	None – wheels of vehicle remain within carriageway.	None
24	Right-hand bend in N85	52.86405	-9.07731	3no. chevron signs	None – wheels of vehicle remain within carriageway.	None
25	Left-hand bend in N85	52.86456	-9.08033	None	None – wheels of vehicle remain within carriageway.	None
26	Right-hand bend in N85 at L4144	52.86332	-9.08466	None	None – wheels of vehicle remain within carriageway.	None
27	Left-hand bend in N85	52.86324	-9.08794	None	None – wheels of vehicle remain within carriageway.	None
28	Bends in N85 adjacent to properties	52.86152	-9.09326	None	None – wheels of vehicle remain within carriageway.	None
29	Left-hand bend in N85	52.86389	-9.11291	None	None – wheels of vehicle remain within carriageway.	None
30	Left-hand turn onto R460 at Inagh	52.87742	-9.17506	1no. stop sign 1no. lighting column - Removal of wall - Temporary suspension of car parking	None anticipated	None anticipated

PP	LOCATION	LAT	LONG	STREET FURNITURE REMOVAL	TEMPORARY PAVING / GRADING WORKS	3RD PARTY LAND REQUIREMENTS
31	Bend in R460	52.87333	-9.21076	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
32	S-bend in R460	52.87374	-9.21798	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
33	Bends in R460	52.87528	-9.22415	Overhead cables – height to be checked	None – wheels of vehicle remain within carriageway.	None
34	Right-hand turn onto L1074	52.87379	-9.23520	1no. traffic sign	None – wheels of vehicle remain within carriageway.	None
35	Tight left-hand bend in L1074	52.88171	-9.29393	- Overhead cables – height to be checked - Hedge to be trimmed	None – wheels of vehicle remain within carriageway.	None
36	Right-hand turn onto Slievenalicka	52.86514	-9.33880	Overhead cables – height to be checked	New hardstanding overrun area required on outside of turn.	Yes – required for overrun area
37	Right-hand turns onto Lough Atalia Road	53.26977	-9.04697	Unclear at this time – to be handled by Galway Harbour	None	All land likely under harbour control
38	Right-hand bend following Moneenageisha Cross	53.28257	-9.03307	4no. bollards	None – wheels of vehicle remain within carriageway.	None
39	Left-hand turn onto Unclassified Road	53.28619	-9.02372	None	None – wheels of vehicle remain within carriageway.	None
40	Right-hand turn onto Tuam Road	53.28901	-9.02279	None	None – wheels of vehicle remain within carriageway.	None
41	Right-hand turn onto the N6	53.29075	-9.01986	2no. signal heads 3no. bollards 1no. traffic sign - Guard railing	None – wheels of vehicle remain within carriageway.	None
41 Alt	Right-hand turn onto the N6 (contra-flow)	53.29075	-9.01986	None	None – wheels of vehicle remain within carriageway.	None
42	Tight bend in N6 at R865	53.28868	-9.01252	None	None – wheels of vehicle remain within carriageway.	None
43	Right-hand bend in N6 at R339	53.29177	-8.98607	None	None – wheels of vehicle remain within carriageway.	None
44	Left-hand turn at Coolagh Roundabout	53.28605	-8.97928	None	None – wheels of vehicle remain within carriageway.	None
45	Right-hand turn at Rathmorrissey Interchange	53.29734	-8.80699	2no. traffic signs 1no. lighting column	None – wheels of vehicle remain within carriageway.	None

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PP	LOCATION	LAT	LONG	STREET FURNITURE REMOVAL	TEMPORARY PAVING / GRADING WORKS	3RD PARTY LAND REQUIREMENTS
46	Left-hand turn from M18 at J14	52.88998	-8.94101	2no. lighting columns 1no. traffic sign - Bollards on centreline	None but possible re-grading of banking required to facilitate over-sail.	None
47	Barefield Roundabout on Unclassified Road	52.88623	-8.94537	- Bollards on centreline 2no. chevron signs	New hardstanding overrun area required across roundabout central island	None
48	Barefield South Roundabout on R458	52.88507	-8.95129	None	New hardstanding overrun area required across roundabout central island	None
49	Roundabout on R458 at Ballymaley Business Park	52.87338	-8.96388	3no. traffic signs 1no. bollard	- New hardstanding overrun area required to roundabout central roundabout - Transition ramps required to enable TDV to mount kerb - Raised roundabout island to be removed	None
50	Tight right- and left-hand turn onto L1098	52.86954	-8.97442	2no. utility poles 2no. traffic signs	- Small area of hardstanding required on inside of bend - New bridge over River Fergus likely required	Yes – over-sail into likely third-party land
				TDV required to reverse to navigate Pinch Point. This is technically achievable but likely to be challenging in practice. Additionally, narrow and likely very weak bridge.		
51	Bends in narrow road at Drumcliffe Cemetery	52.86701	-8.99634	1no. traffic sign 1no. chevron sign 2no. short sections of stone wall	None – wheels of vehicle remain within carriageway.	Yes – over-sail of chassis into likely third-party land at two locations
52	Right-hand turn onto L4180	52.85592	-8.9985	6no. traffic signs 2no. utility poles	- Transition ramps required to enable TDV to mount kerb - New hardstanding overrun area required on inside of turn	Yes – overrun and over-sail into likely third-party land
19	Right-hand turn onto N85	52.86349	-9.02063	None	None – wheels of vehicle remain within carriageway.	None
	Alternative route to bypass PP46-52	n/a	n/a	Preliminary investigation of an alternative route to bypass Pinch Points 46 to 52 outlined in the following section.		

3. ASSESSMENT OUTCOMES AND CONCLUSIONS

3.1 Horizontal Feasibility

3.1.1 The abnormal load assessment has identified that Route 1, from Foynes Port, is technically feasible in terms of horizontal geometry. Due to the tight turns, narrow and weak bridge and narrow road width at Pinch Points 50 and 51, route 2, from Galway Harbour is challenging.

3.1.2 To bypass these Pinch Points an alternative route has been tested. This route would remain on the M18 (instead of coming off at J14 – Pinch Point 46) and use the grade separated roundabout at J9 of the M18, at Shannon, to turn around. Vehicles would then continue back north on the M18 and proceed on the remaining section of Route 1. The revised route is indicated by **Figure 13**.

Figure 13. Alternative Alignment of Route 2



3.1.3 This alternative alignment only contains one additional pinch point at J9 of the M18, which has been subject to a swept path assessment. This assessment is contained within **Appendix A** as drawings GB01T23F60/I/SPA066 to GB01T23F60/I/SPA071. The assessment indicates that the route is technically feasible, with no requirement for third party land. The following street furniture would require temporary removal:

- 10no. traffic signs;
- 1no. chevron sign; and
- 7no. lighting columns.

- 3.1.4 An alternative route to bypass Pinch Point 50 and 51 via Gort Road and Drumcliffe Road was also considered but was not considered to be feasible due to the Drumcliffe Road bridge crossing over the River Fergus. The present bridge is narrow and subject to a 10T weight limit.
- 3.1.5 No vertical checks have been undertaken at this point, but no major impediments have been identified at this stage. Third party land may be required to facilitate an overrun area to enable the final right-hand turn onto Slievenalicka.

3.2 Identification of Utilities

- 3.2.1 Where the location of overhead cables (both telecommunications and power transmission) coincides with the location of a Pinch Point, the approximate location of cables and poles have been marked on the drawings contained with **Appendix A**. Further checks should be carried out on site to determine the height of all cables along the route to ensure any risk of collision is mitigated.

3.3 Limerick Tunnel

- 3.3.1 Route 1 requires the Turbine Delivery Vehicle (TDV) to pass through the Limerick Tunnel. The tunnel has a height restriction of 4.65m. As the loading configuration of the TDV is not yet finalised, SYSTRA cannot comment on the suitability of the use of the Limerick Tunnel. From experience with other loading configurations SYSTRA understand that the use of alternative trailer arrangements, such as the blade being loaded into a 'Clamp and Bogie', can reduce the overall height of the vehicle.
- 3.3.2 It is recommended that, if they haven't already, discussions are commenced with hauliers and DirectRoute (Limerick) Limited, the operator of the Limerick Tunnel, to determine the feasibility of utilising the tunnel for the transport of turbine components.

3.4 Identification of Bridge Structures

- 3.4.1 SYSTRA has identified 13 structures on Route 1, between Foynes Port and where the two route meets. A further 14 have been identified on Route 2 between Galway Harbour and where the routes meet and 5 on the common section. The location and type of these structures are shown in **Figure 14**. It is noted that the list is not exhaustive at this stage.

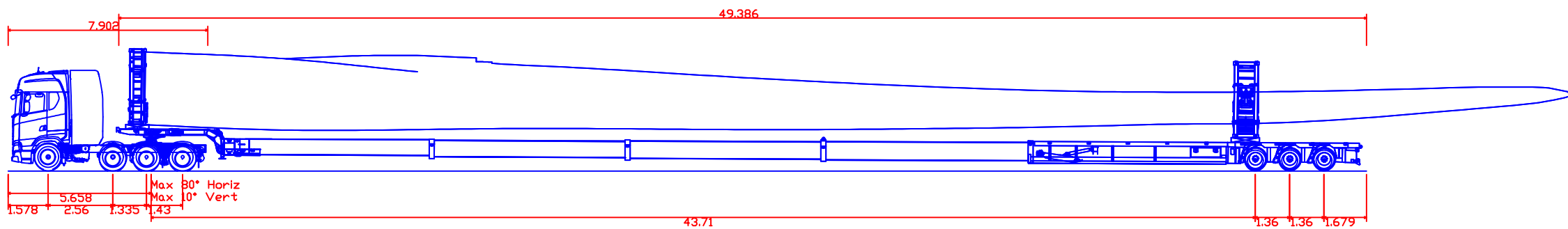
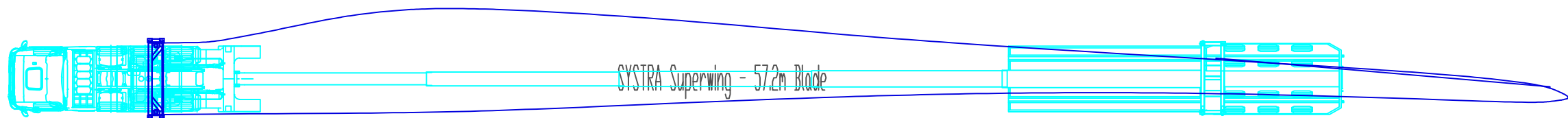


- 3.4.2 The majority of crossing are over water which variously take the form of multi-span steel beam bridges, multi-arch stone bridges and stone culverts. Discussions will be required with the relevant road authorities to determine whether any structural assessments are required.
- 3.4.3 In the first instance, it is recommended that third-party land enquiries are made at the identified location, and it is also recommended that further engagement is undertaken with Galway City Council, Galway County Council, Limerick City and County Council, Transport Infrastructure Ireland and DirectRoute Limerick in relation to the identified route.

3.5 Summary

- If the necessary mitigation measures are made then the route can be navigated by vehicles carrying wind turbine components to the proposed site;
- Police escort or Pilot car will be required to accompany abnormal loads in order to assist with traffic control and the control of oncoming traffic;
- It is recommended to have adequate warning signs implemented to warn other road users at critical points along the route;
- All hedges, shrubs, bushes, trees and overhanging branches along the nominated routes must be trimmed from within carriageway verges;
- Specific street furniture has been nominated in this report for removal to facilitate over-sailed and 'swept' areas;
- Full carriageway widths must be available along the entirety of the route. Measures to remove parked vehicles must therefore be in place;
- Measures to assist the vehicle negotiating the kerbed changes in level at footways, roundabouts, pedestrian refuges etc. will be required; and
- Steel road plates may be required at locations where the vehicle overruns utility boxes or footways.

Appendix A – TDV Drawing and Swept Path Assessment



SYSTRA Superwing - 57.2m Blade

Overall Length	53.767m
Overall Width	3.037m
Overall Body Height	4.857m
Min Body Ground Clearance	-0.012m
Max Track Width	2.520m
Lock to lock time	6.00s
Max Wheel Angle	45.00°

Notes:

1. Do not scale from drawing.
2. All dimensions in metres unless otherwise stated.
3. Please note that marked service locations are indicative only and should be confirmed by topographical survey.



Key:

- Blade Transporter Vehicle
- Blade Outline

Rev.	Date	Revision details	Drawn	Checked	Approved

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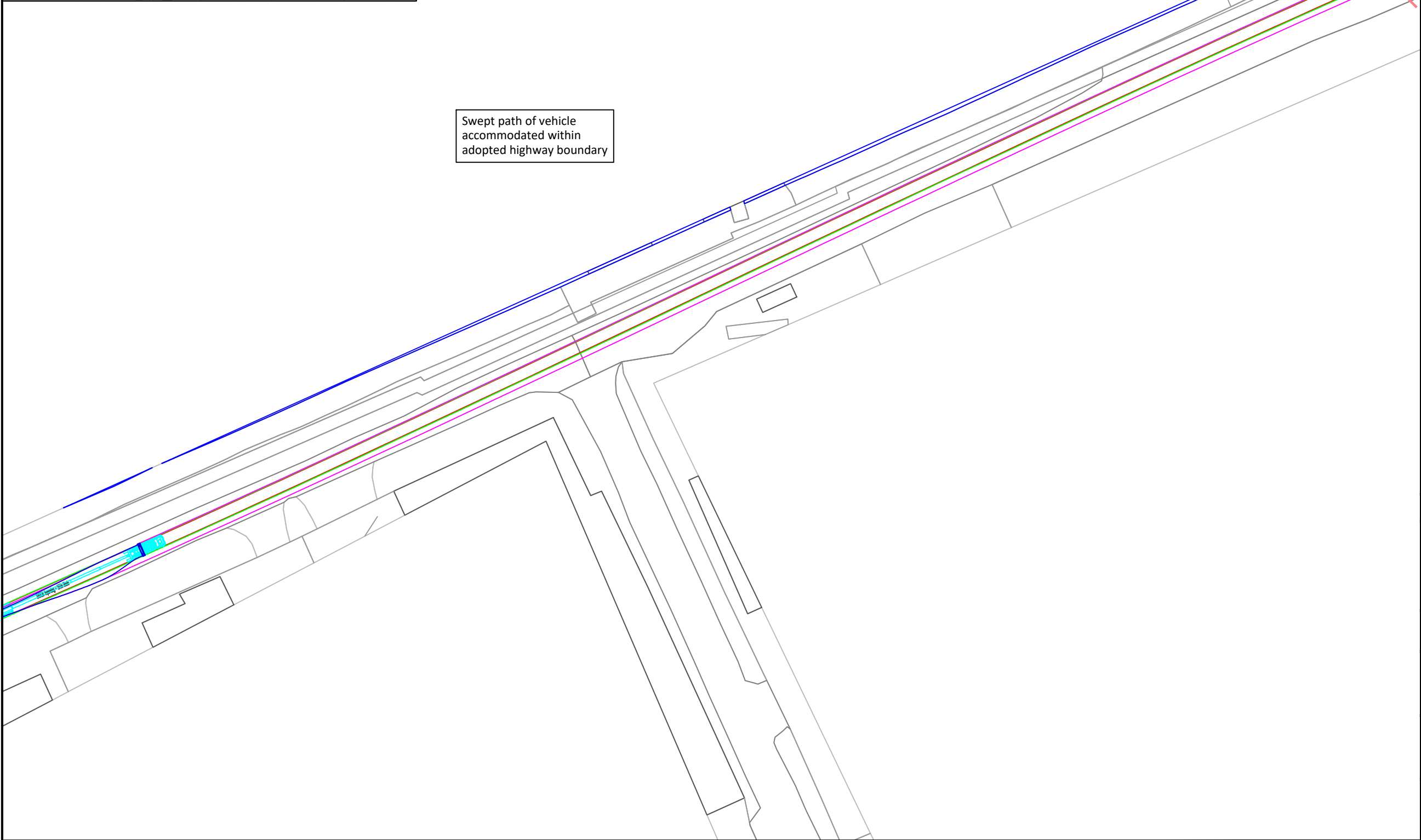
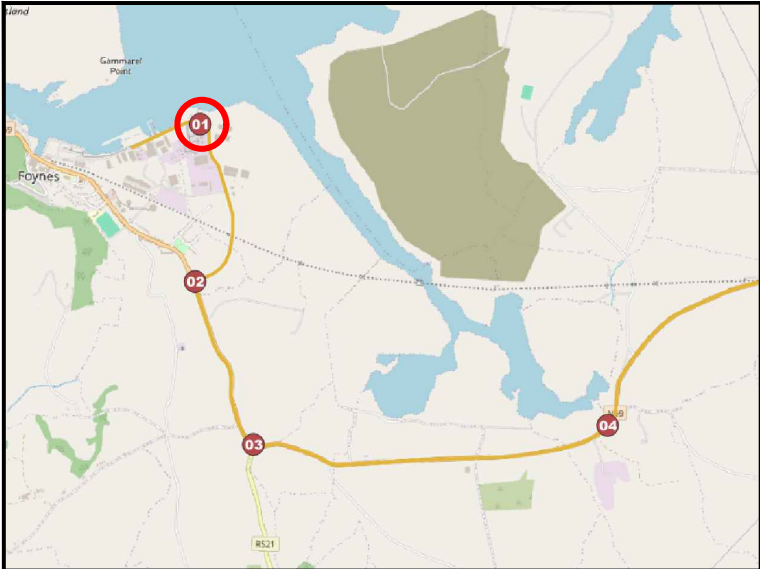
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade

Drawn	TF	Checked	ADV	Approved	ADV
Original dtd. size	A3	Date	16/10/2024	Scale	NTS
Drawing Status	Information	Drawing Number	GB01T23F60/1/VEH001	Rev.	-



Swept path of vehicle
accommodated within
adopted highway boundary

Notes:

1. Do not scale from drawing.
2. All dimensions in metres unless otherwise stated.
3. Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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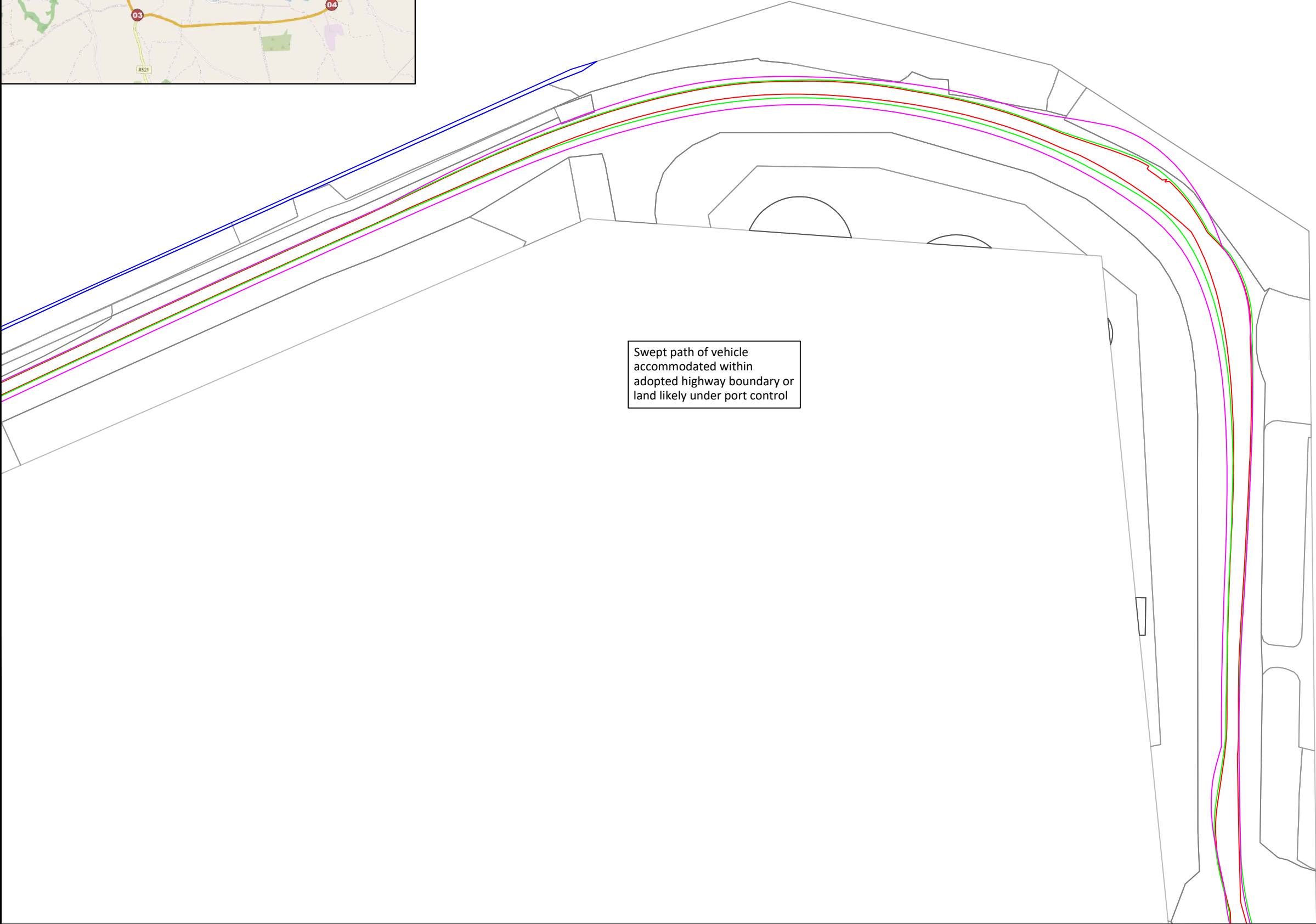
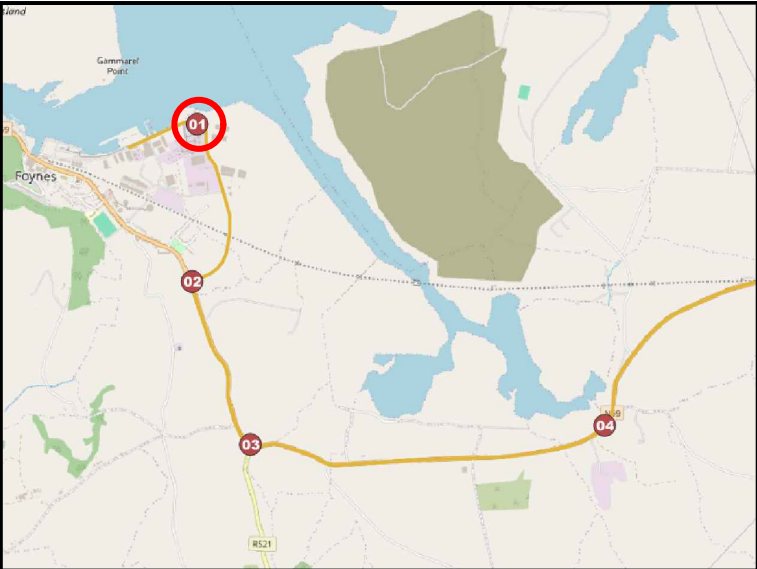
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 1
Sheet 1 of 4

Drawn	TF	Checked	ADV	Approved	ADV
Original dwg. size	A3	Date	16/10/2024	Scale	1:1000
Drawing Status	Information	Drawing Number	GB01T23F60/I/SPA001	Rev.	-



- Notes:
1. Do not scale from drawing.
 2. All dimensions in metres unless otherwise stated.
 3. Please note that marked service locations are indicative only and should be confirmed by topographical survey.



- Key:
- Blade Transporter Vehicle
 - Blade Outline
 - Over-run envelope of tractor and trailer wheels
 - Over-sail envelope being swept by tractor and trailer bed
 - Over-sail envelope being swept by blade path
 - Over-run area of tractor and trailer wheels out with carriageway
 - Over-sail area of tractor and trailer bed out with carriageway
 - Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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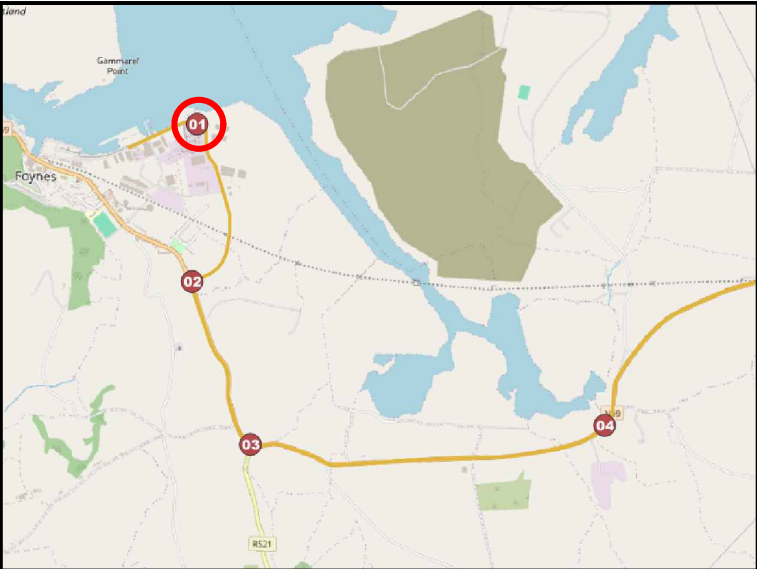
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 1
Sheet 2 of 4

Drawn TF	Checked ADV	Approved ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:1000
Drawing Status Information	Drawing Number GB01T23F60/1/SPA002	Rev. -



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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Project

Illaunbaun Wind Farm
Swept Path Assessment

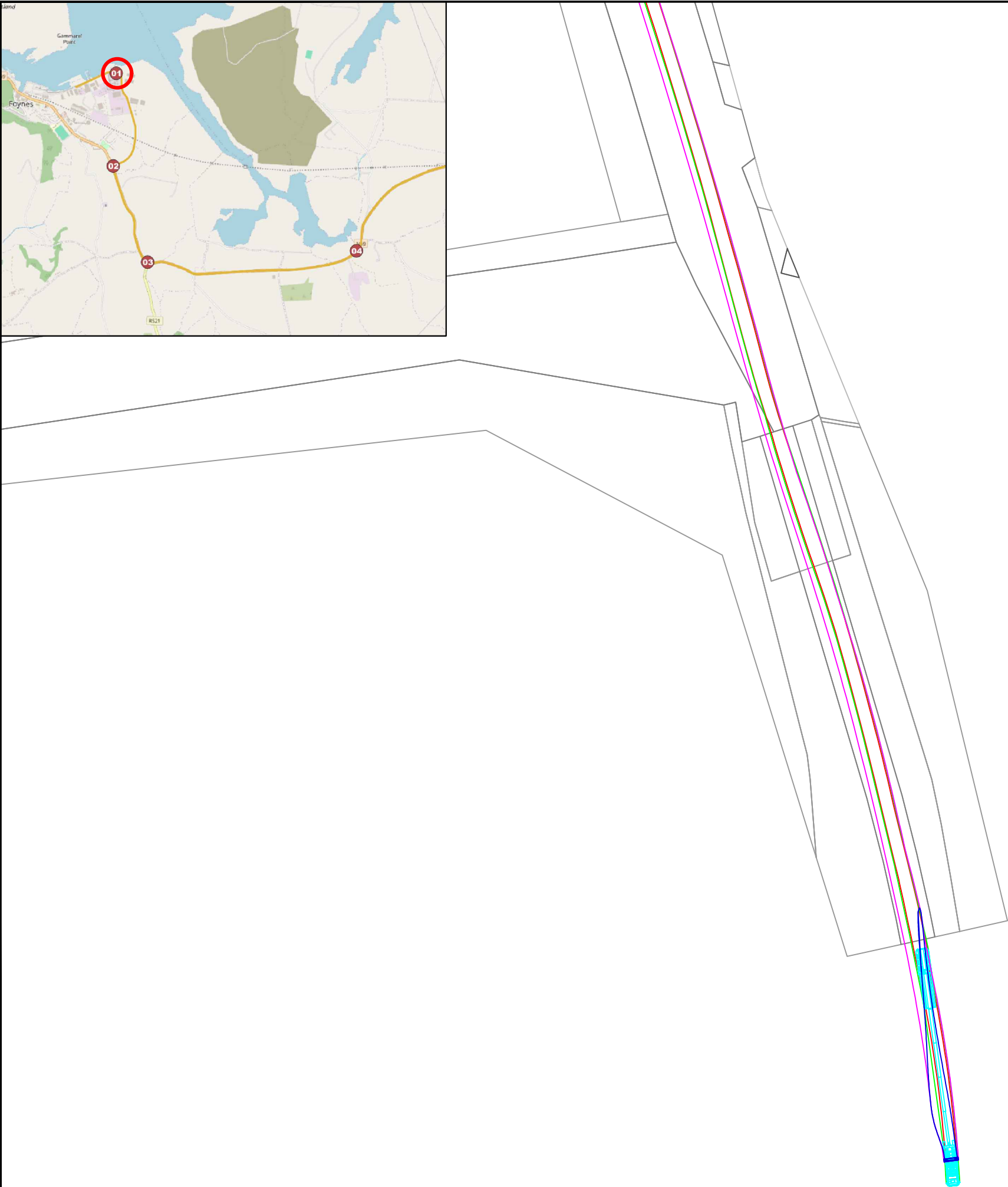
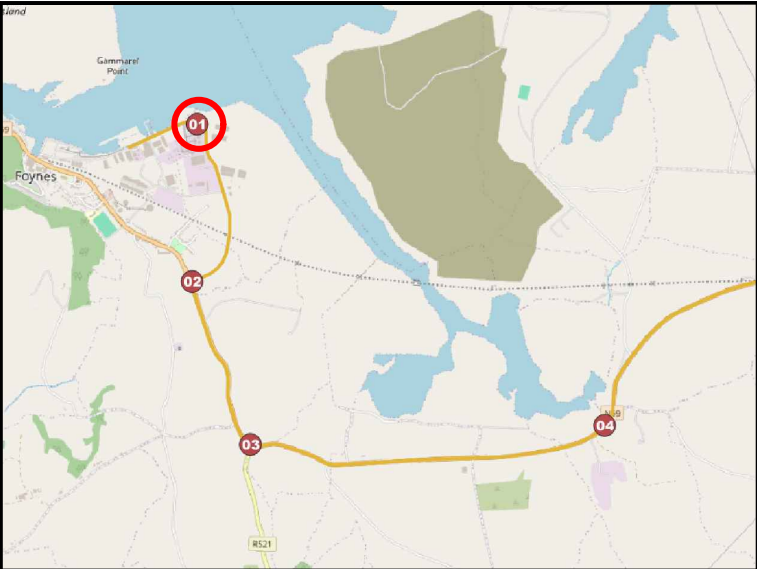
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 1
Sheet 3 of 4

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size	Date	Scale
A3	16/10/2024	1:1000
Drawing Status	Drawing Number	Rev.
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- Key:
- Blade Transporter Vehicle
 - Blade Outline
 - Over-run envelope of tractor and trailer wheels
 - Over-sail envelope being swept by tractor and trailer bed
 - Over-sail envelope being swept by blade path
 - Over-run area of tractor and trailer wheels out with carriageway
 - Over-sail area of tractor and trailer bed out with carriageway
 - Over-sail area of blade out with carriageway

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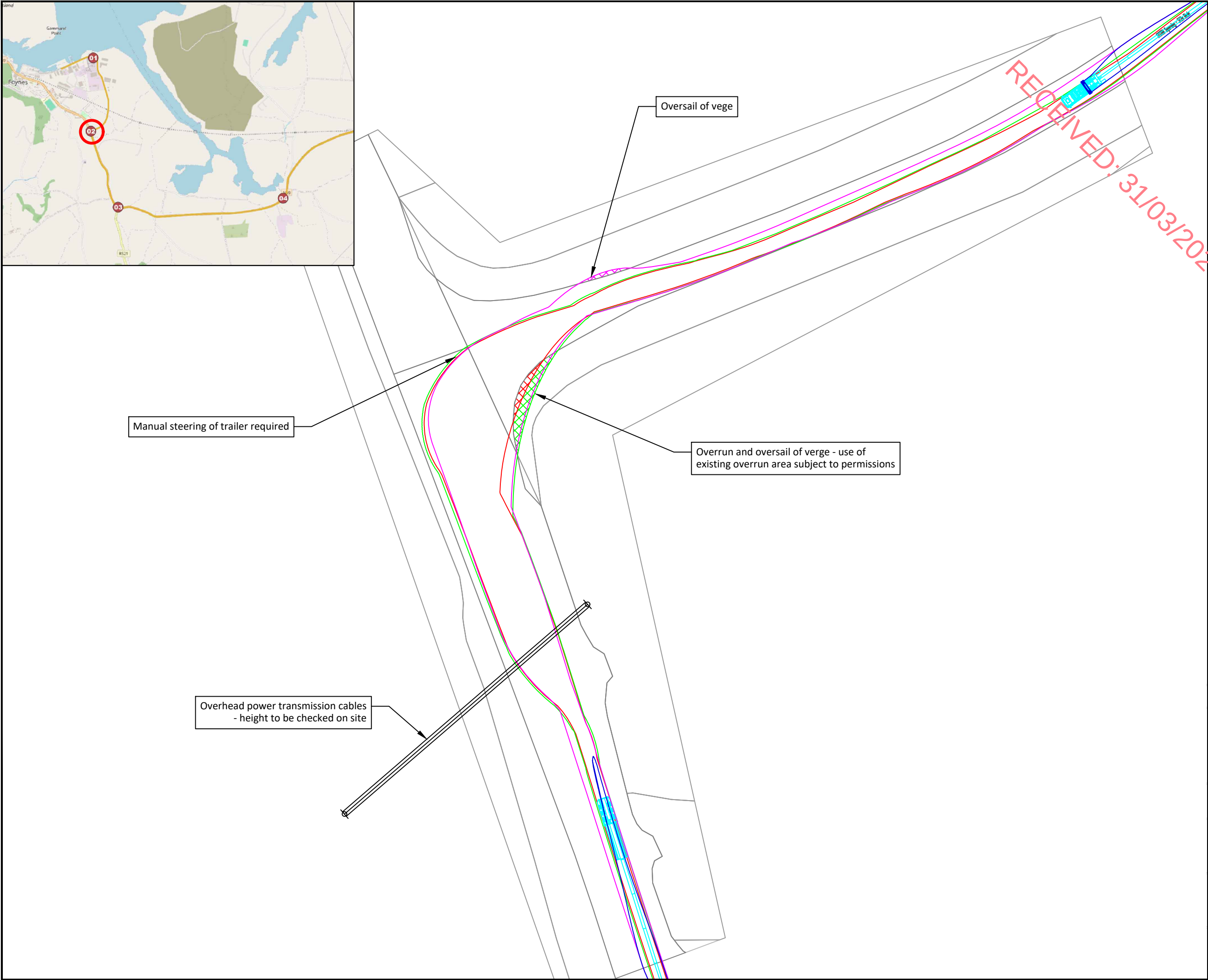
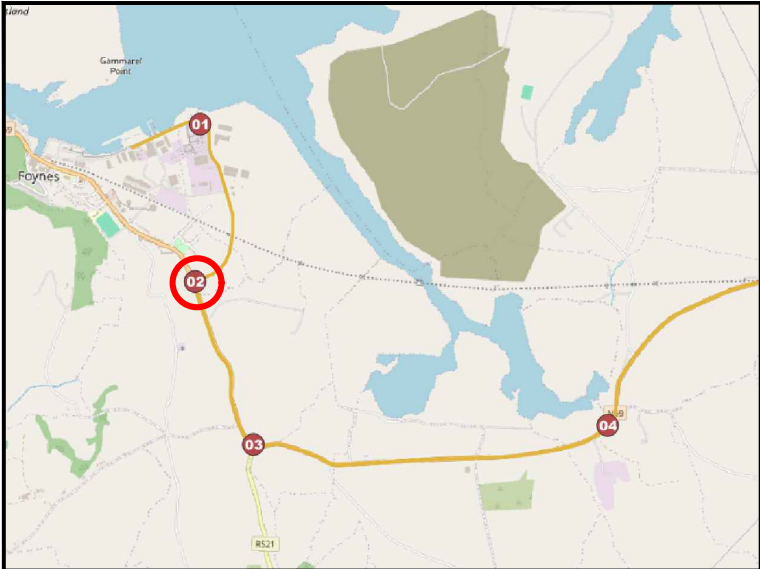
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 1
Sheet 4 of 4

Drawn TF	Checked ADV	Approved ADV
Original dtp. size A3	Date 16/10/2024	Scale 1:1000
Drawing Status Information	Drawing Number GB01T23F60/I/SPA004	Rev. -



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Key:

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- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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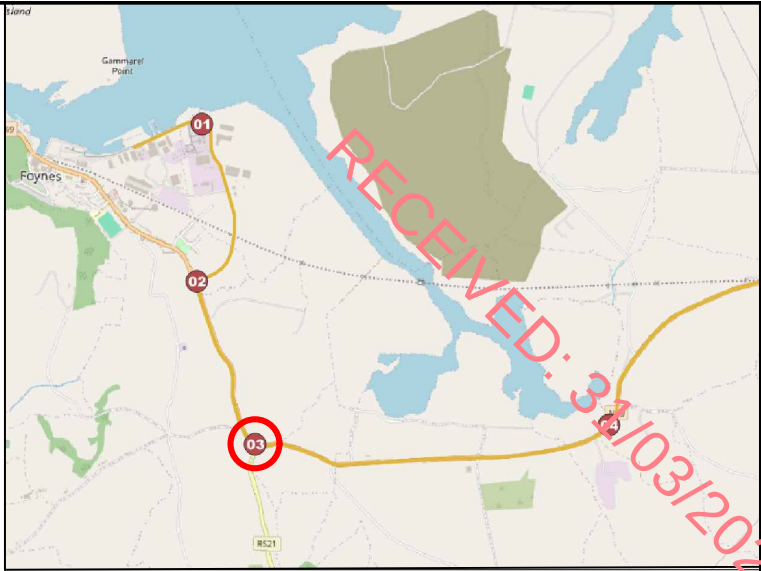
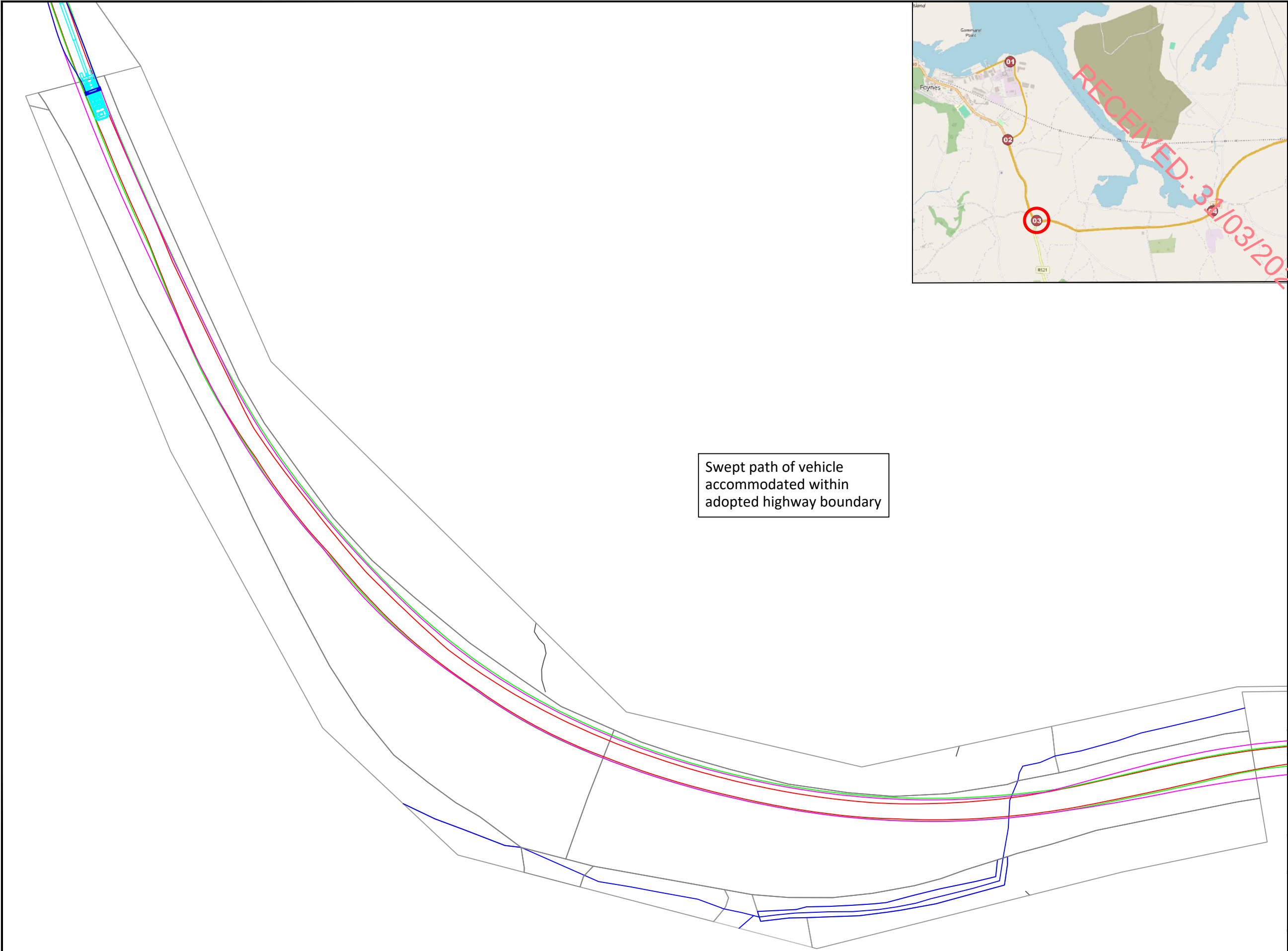
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 2

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size	Date	Scale
A3	16/10/2024	1:750
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/I/SPA005	-



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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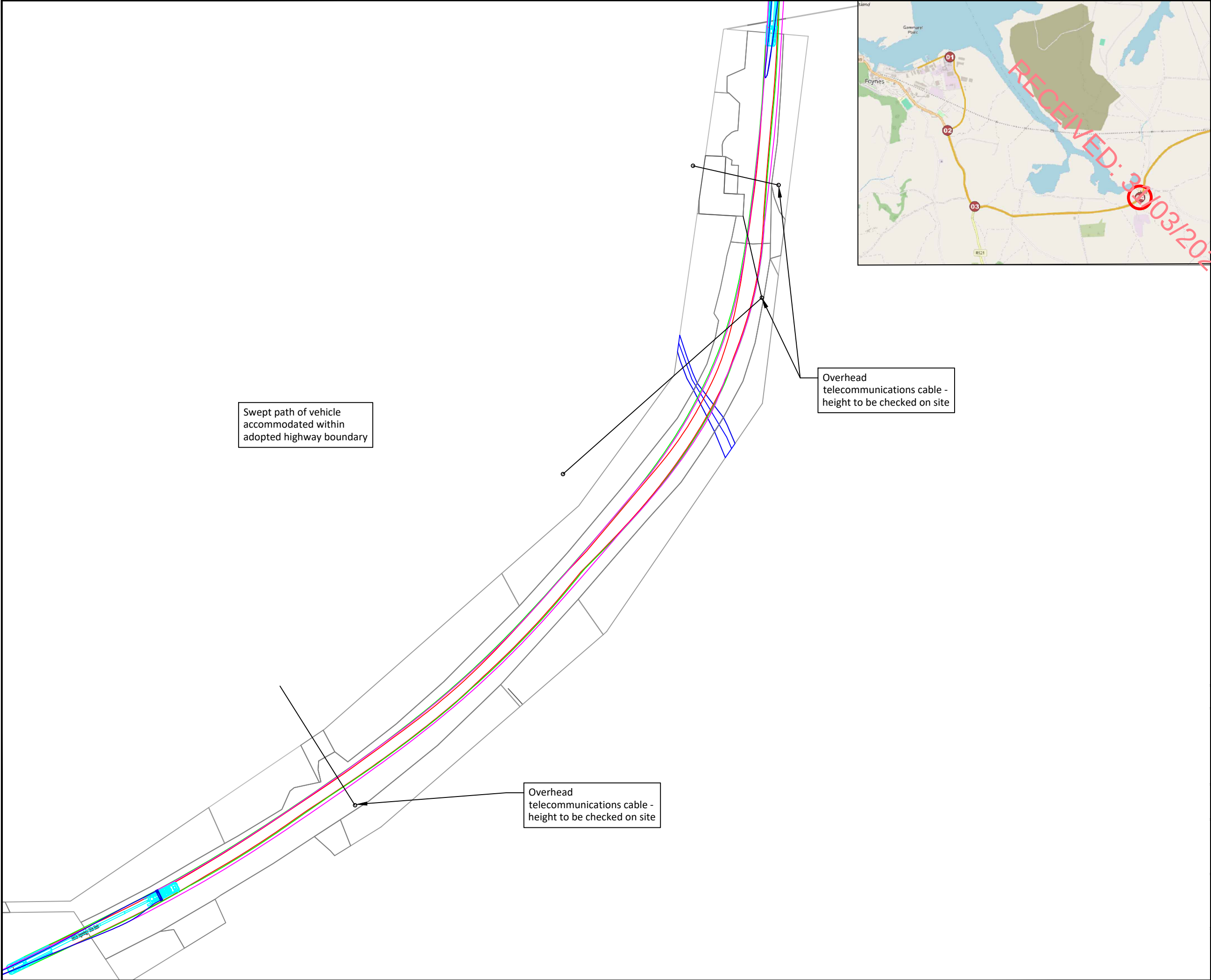
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 3

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size	Date	Scale
A3	16/10/2024	1:750
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60//SPA006	-



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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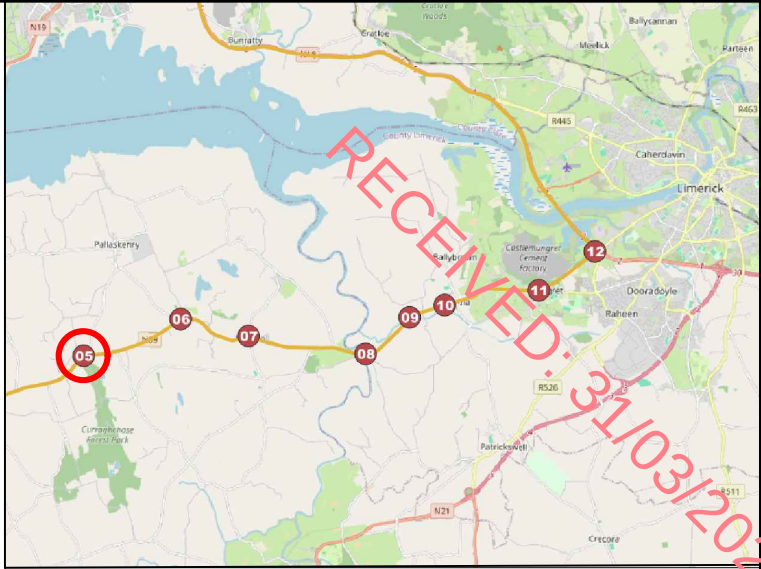
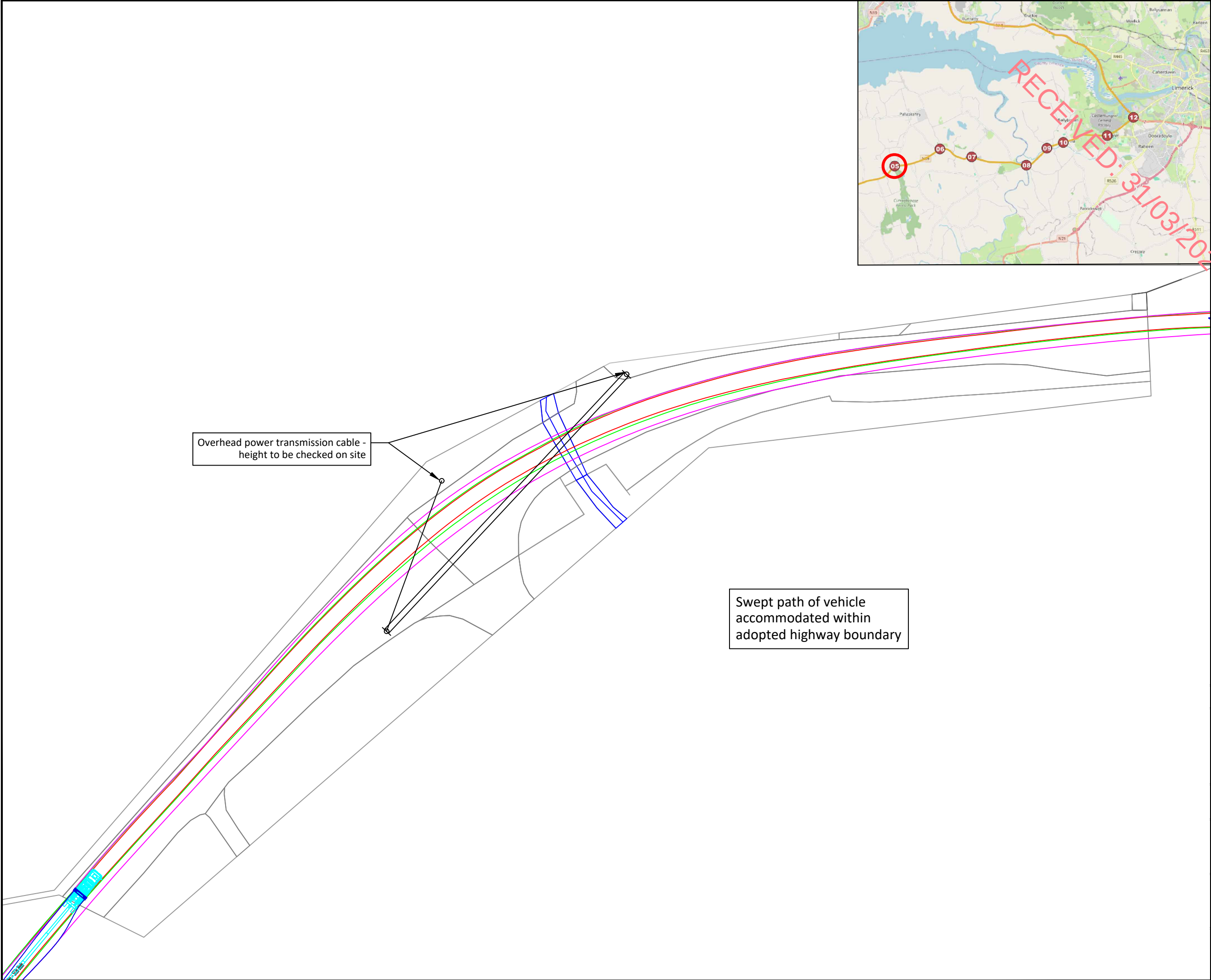
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 4

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size	Date	Scale
A3	16/10/2024	1:1000
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/I/SPA007	-



Notes:

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2. All dimensions in metres unless otherwise stated.
3. Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Project
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Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 5

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size A3	Date 16/10/2024	Scale 1:750
Drawing Status Information	Drawing Number GB01T23F60/I/SPA008	Rev. -



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Project

Illaunbaun Wind Farm
Swept Path Assessment

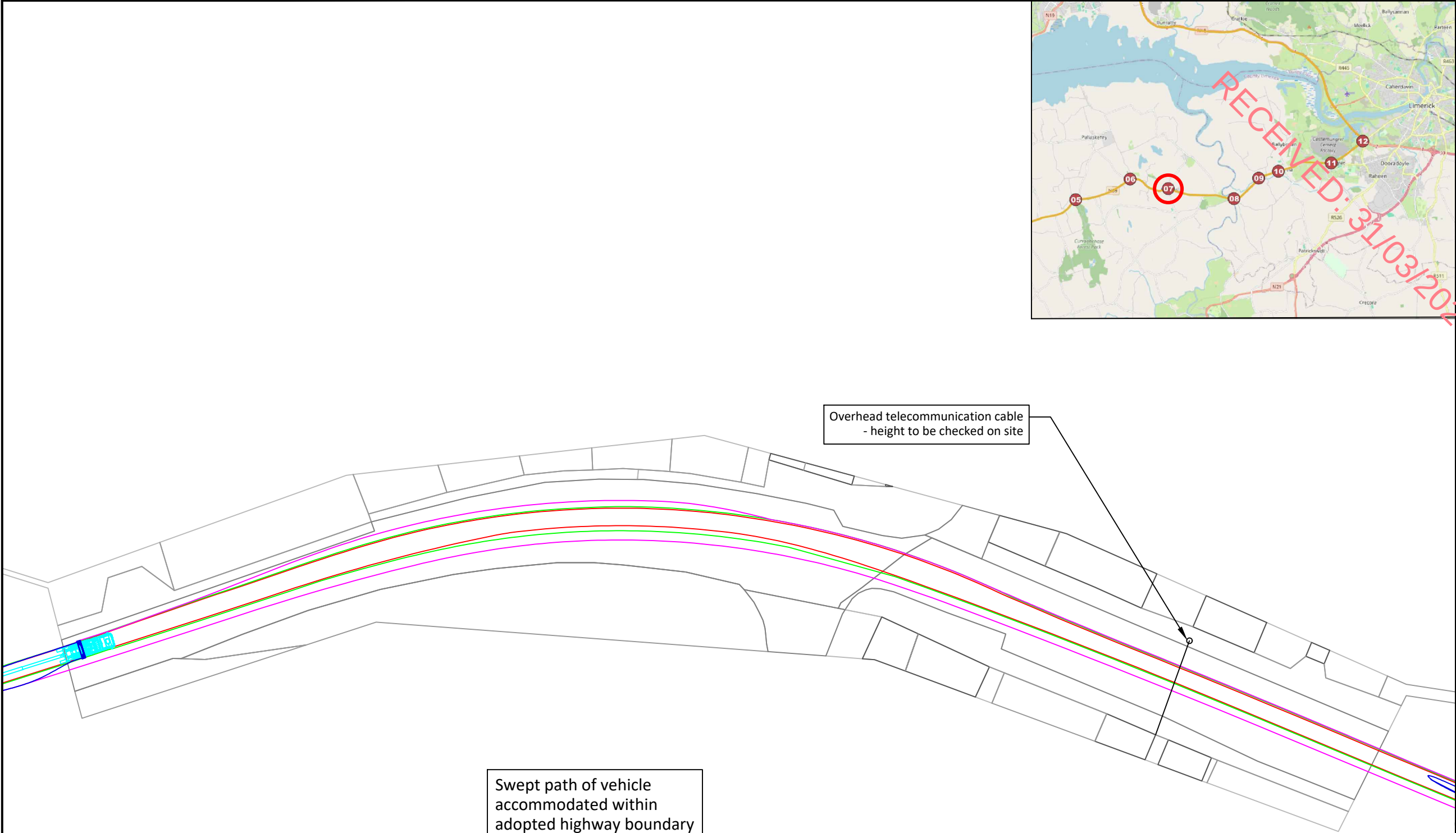
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 6

Drawn	TF	Checked	ADV	Approved	ADV
Original dtp. size	A3	Date	16/10/2024	Scale	1:750
Drawing Status	Information		Drawing Number	GB01T23F60//SPA009	Rev.
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Swept path of vehicle accommodated within adopted highway boundary

Overhead telecommunication cable - height to be checked on site



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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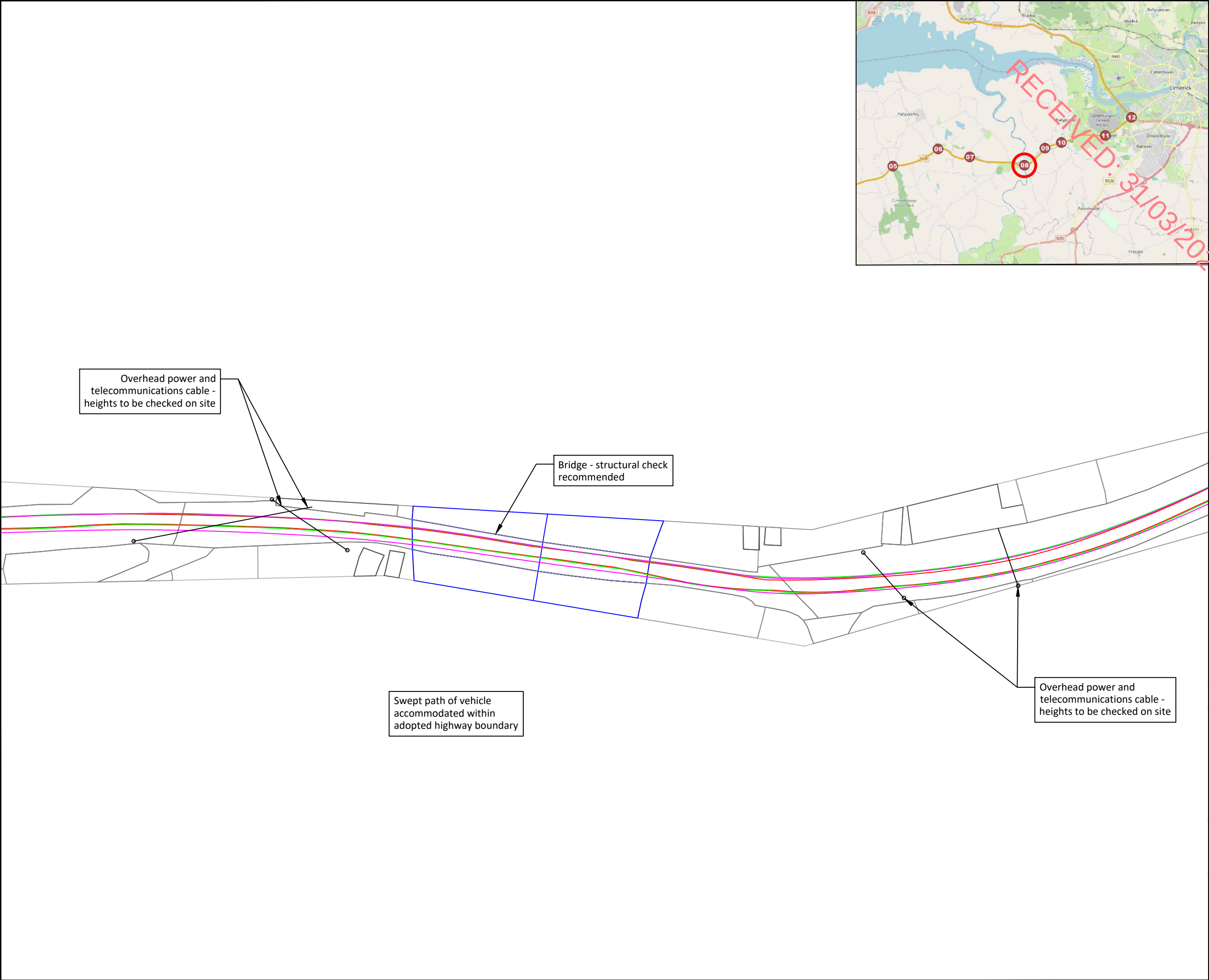
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 7

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size	Date	Scale
A3	16/10/2024	1:750
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/I/SPA010	-



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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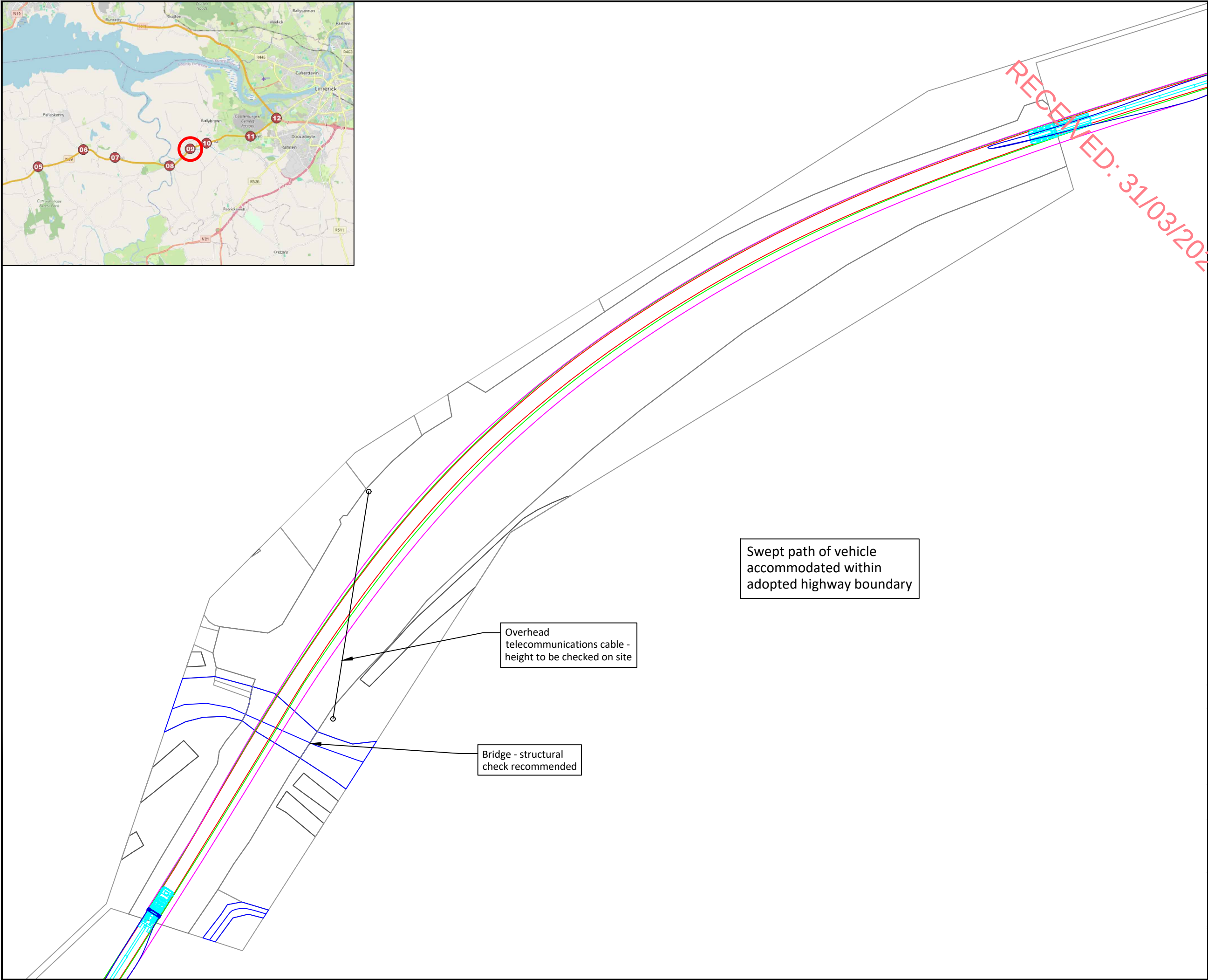
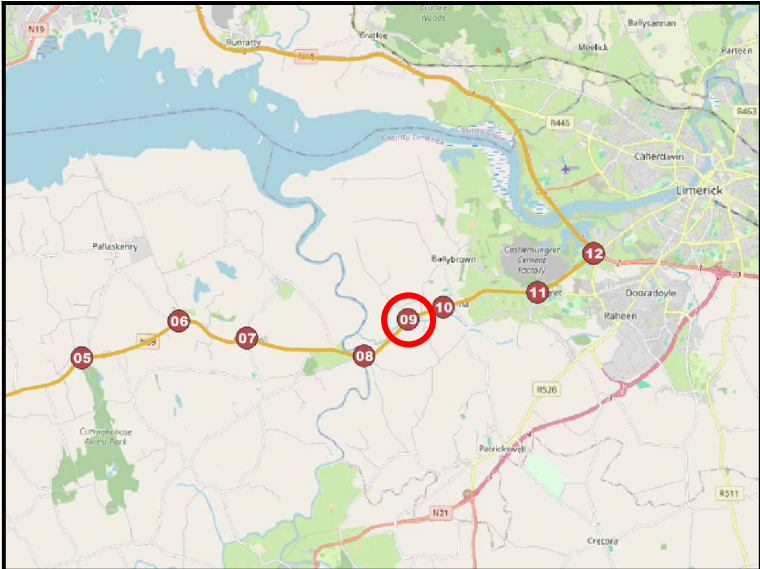
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Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 8

Drawn TF	Checked ADV	Approved ADV
Original dtp. size A3	Date 16/10/2024	Scale 1:1000
Drawing Status Information		Rev. -

Drawing Number
GB01T23F60/II/SPA011



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

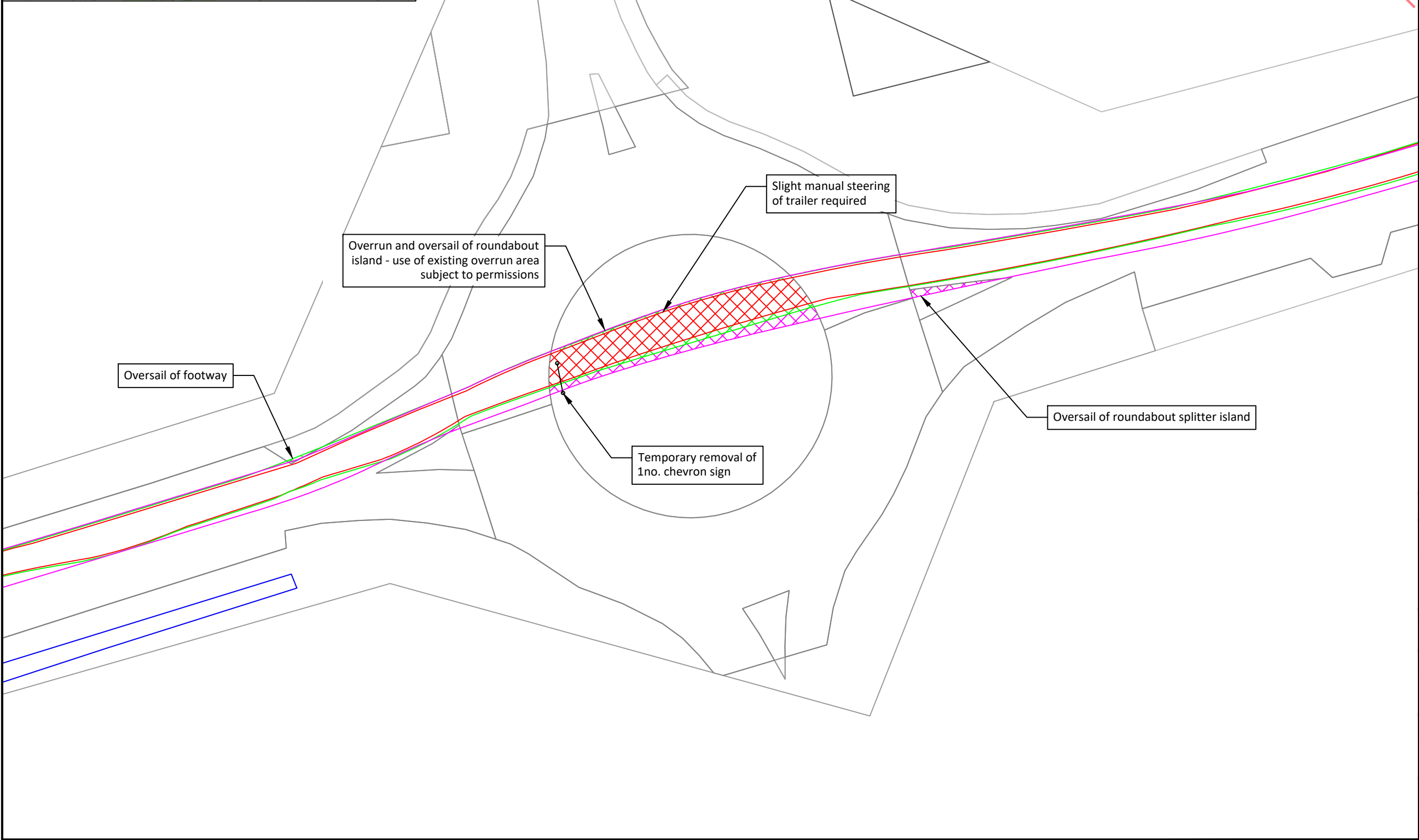
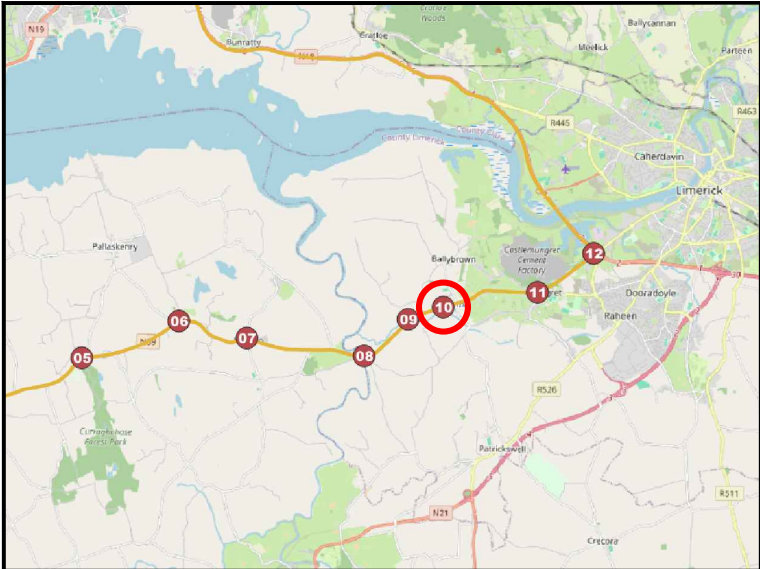
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Client: Gavin & Doherty Geosolutions

Project: Illaunbaun Wind Farm Swept Path Assessment

Title: Super Wing Blade Carrier Vestas V117 - 57.2m Blade Pinch Point 9

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size	Date	Scale
A3	16/10/2024	1:750
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/II/SPA012	-



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Key:

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- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

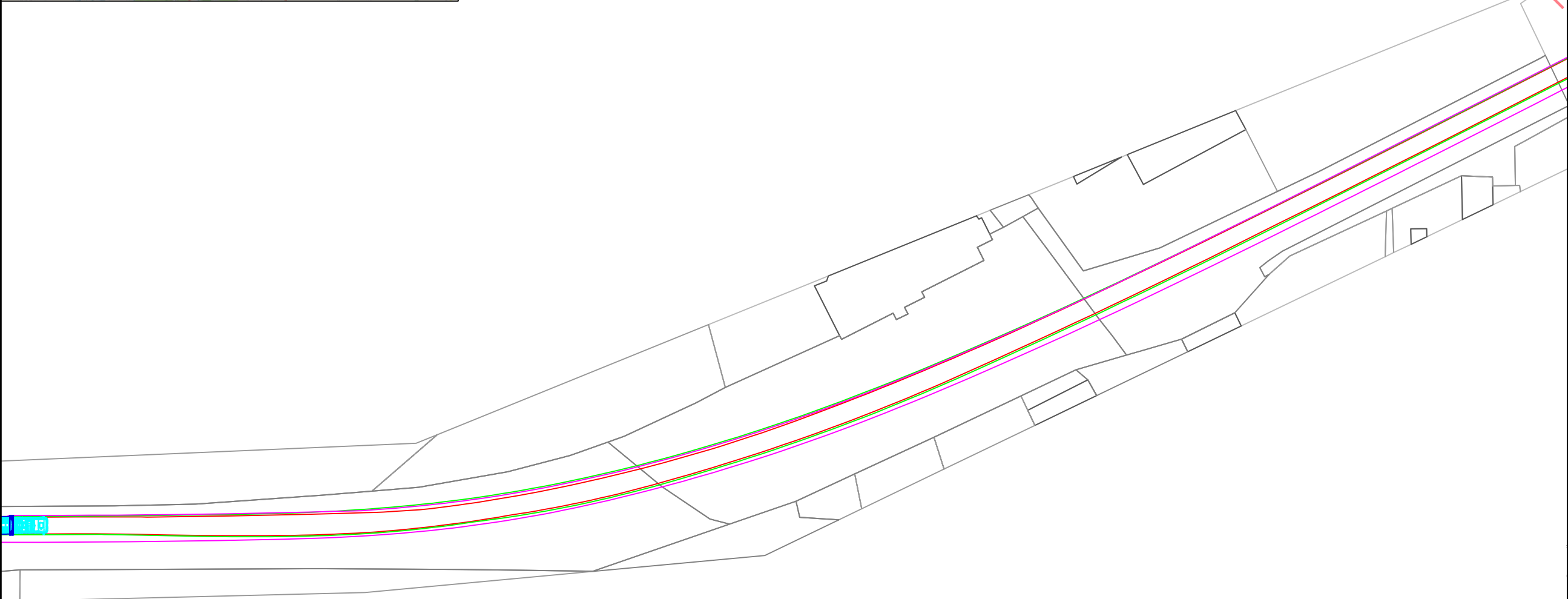
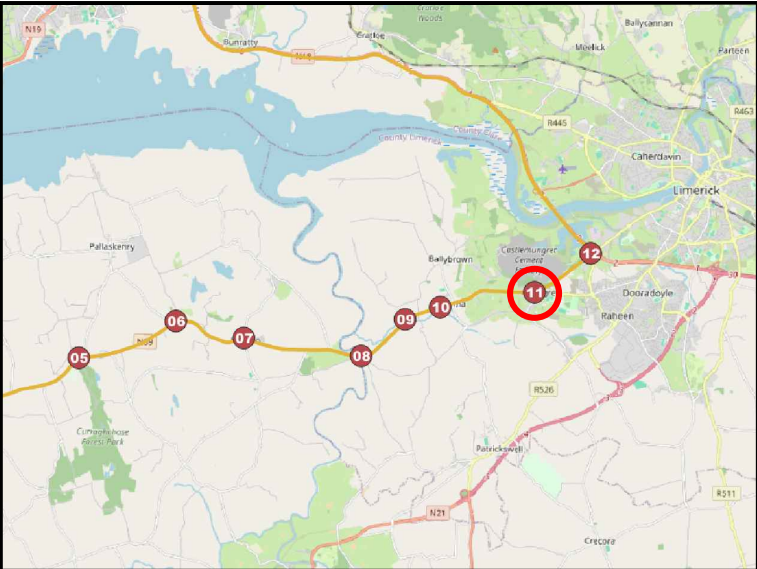
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Client: Gavin & Doherty Geosolutions

Project: Illaunbaun Wind Farm Swept Path Assessment

Title: Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 10

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size	Date	Scale
A3	16/10/2024	1:500
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/II/SPA013	-



Swept path of vehicle
accommodated within
adopted highway boundary

Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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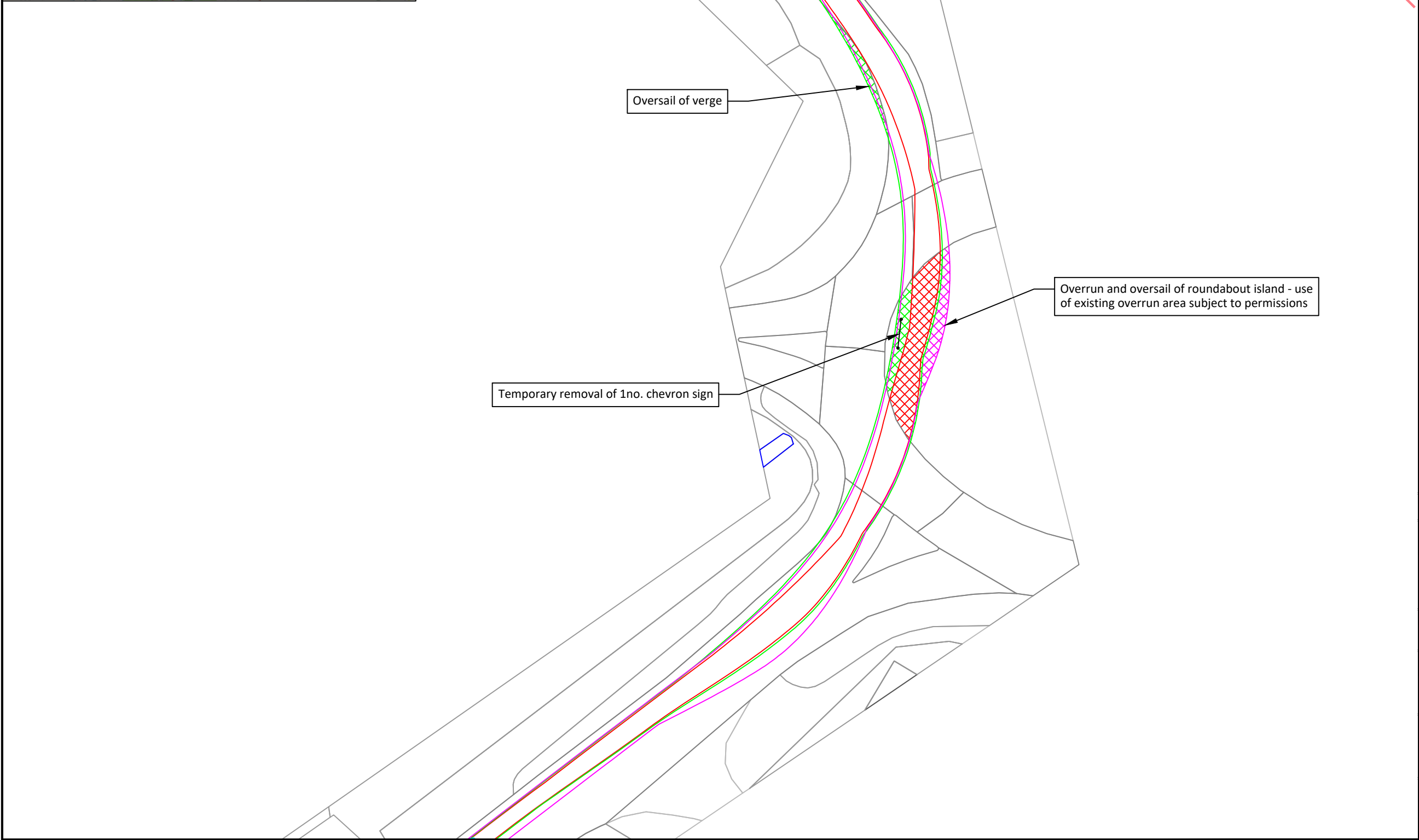
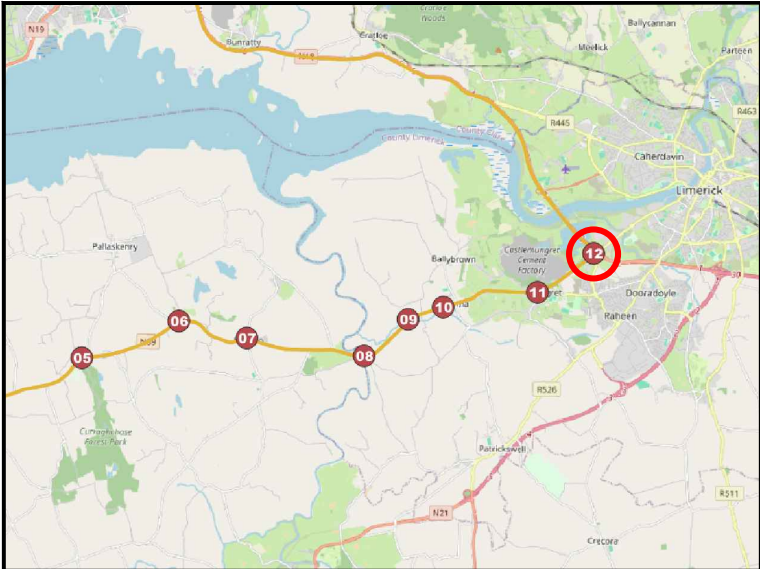
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 11

Drawn	TF	Checked	ADV	Approved	ADV
Original dtp. size	A3	Date	16/10/2024	Scale	1:750
Drawing Status	Information		Drawing Number	GB01T23F60/II/SPA014	Rev.
					-



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev. Date Revision details Drawn Checked Approved

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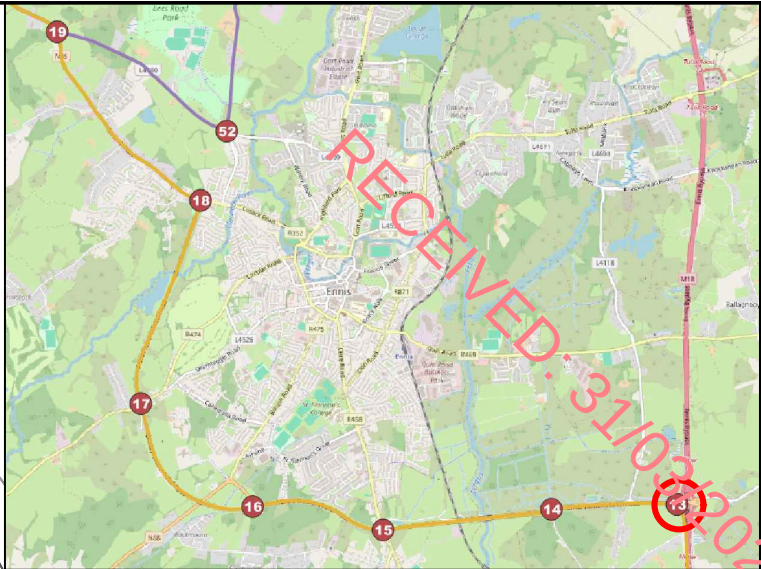
Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 12

Drawn TF	Checked ADV	Approved ADV
Original dtp. size A3	Date 16/10/2024	Scale 1:750
Drawing Status Information		Rev. -

Drawing Number
GB01T23F60/I/SPA015



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Project

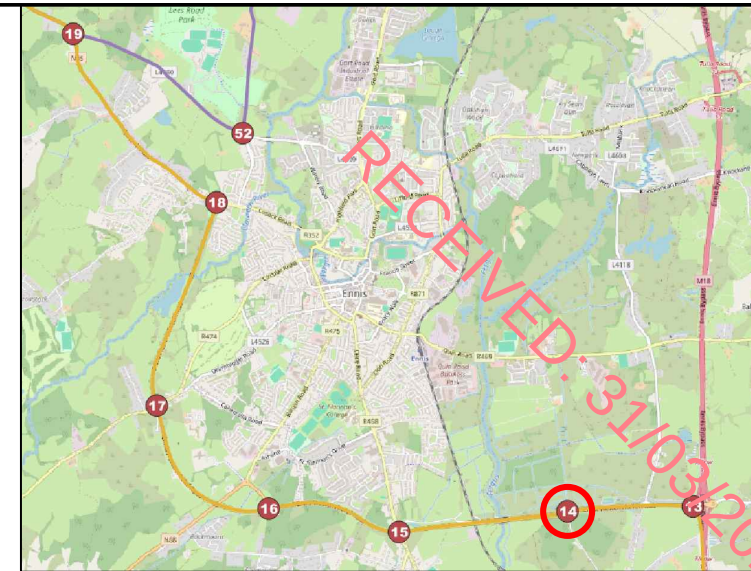
Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 13

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size	Date	Scale
A3	16/10/2024	1:750

Drawing Status	Drawing Number	Rev.
Information	GB01T23F60//SPA016	-



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Key:

-  Blade Transporter Vehicle
-  Blade Outline
-  Over-run envelope of tractor and trailer wheels
-  Over-sail envelope being swept by tractor and trailer bed
-  Over-sail envelope being swept by blade path
-  Over-run area of tractor and trailer wheels out with carriageway
-  Over-sail area of tractor and trailer bed out with carriageway
-  Over-sail area of blade out with carriageway

Overrun and oversail of roundabout island - new harstanding overrun area to be constructed

Temporary removal of 1no. chevron sign
--

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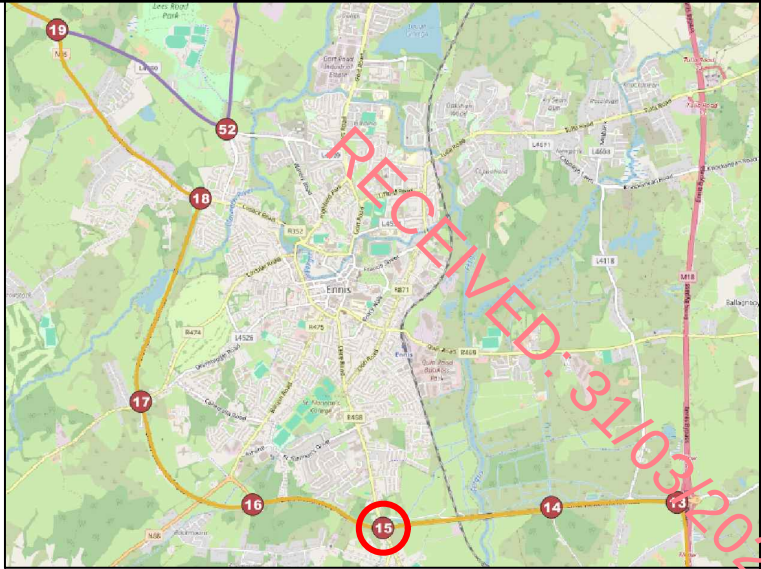
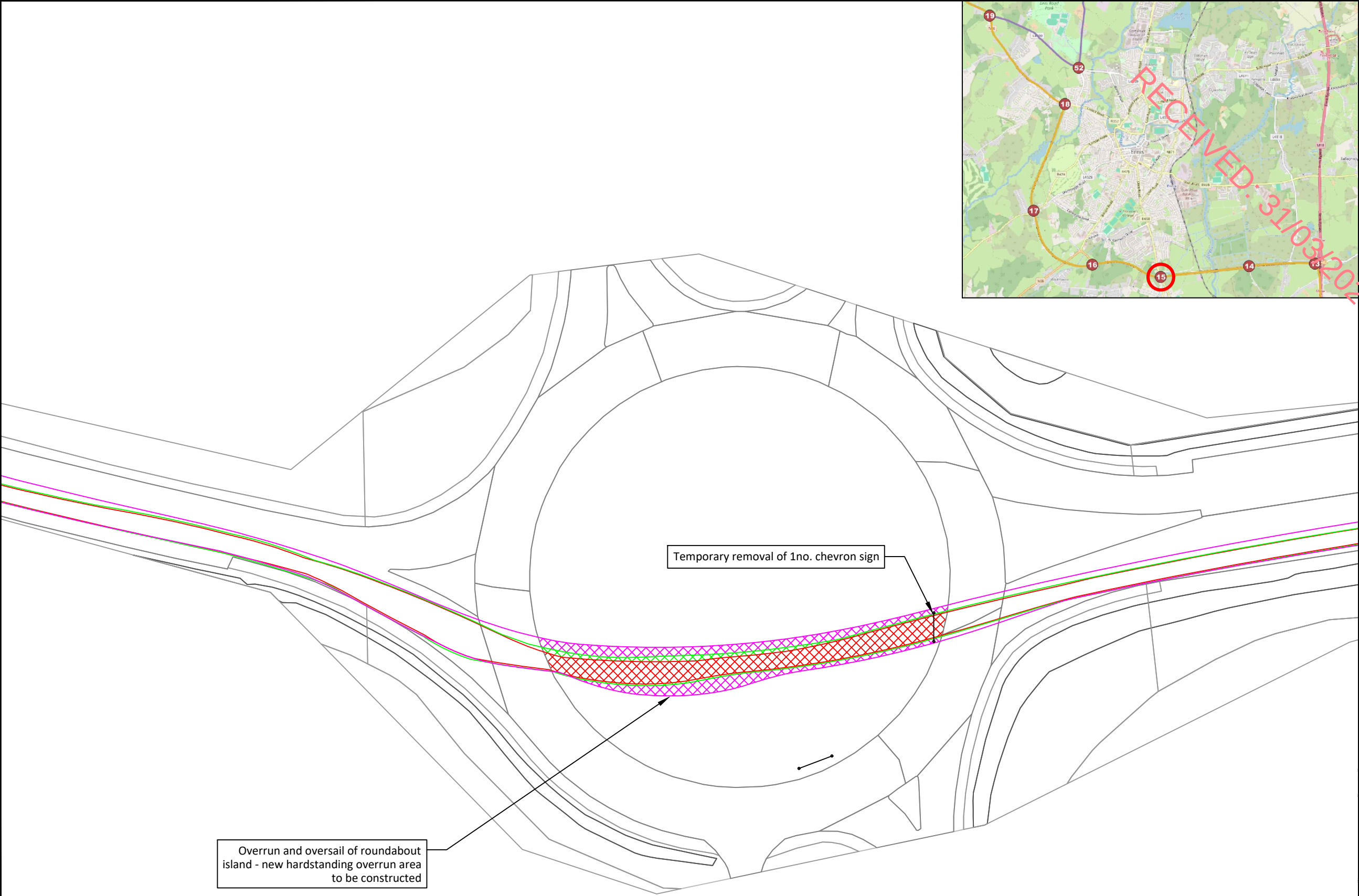
Project	
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Illaunbaun Wind Farm
Swept Path Assessment

Title	

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 14

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size	Date	Scale
A3	16/10/2024	1:750
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60//SPA017	-



Notes:

1. Do not scale from drawing.
2. All dimensions in metres unless otherwise stated.
3. Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Client

Gavin & Doherty Geosolutions

Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

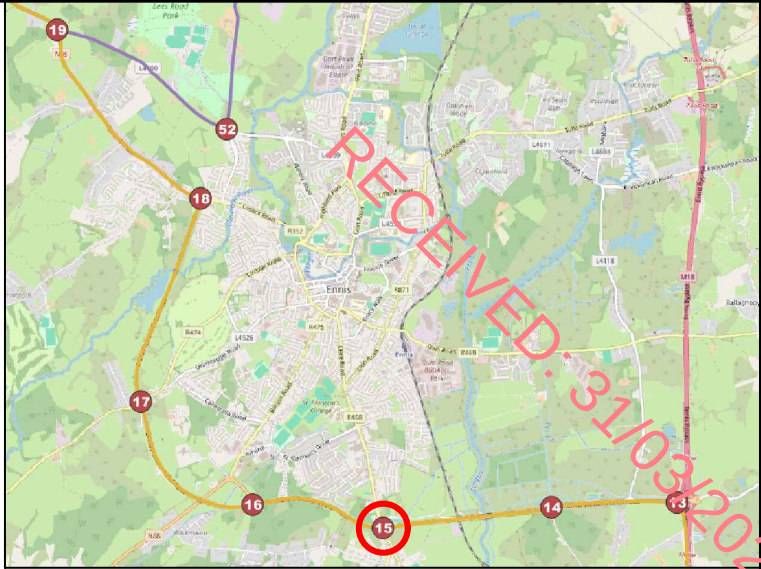
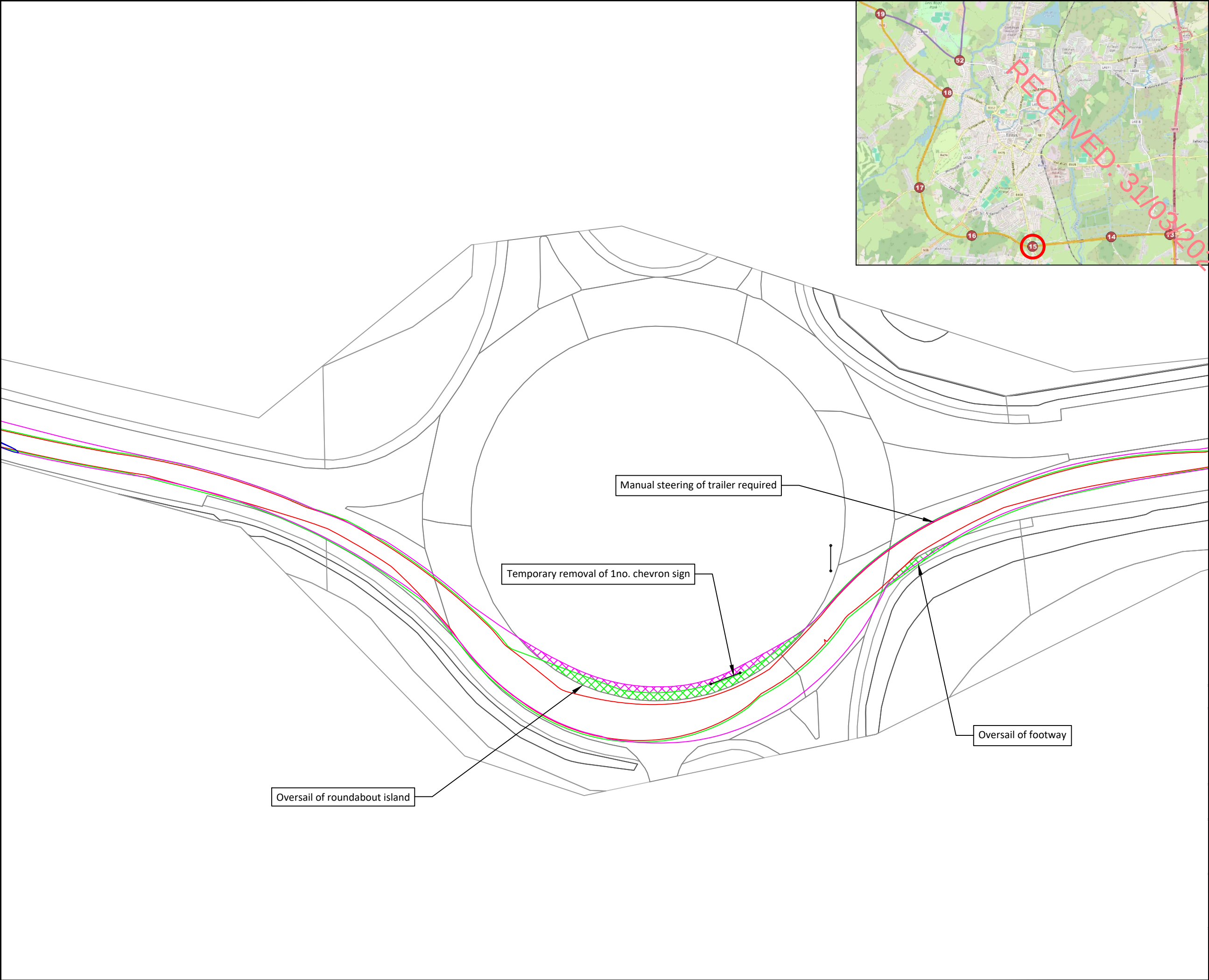
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 15

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size	Date	Scale
A3	16/10/2024	1:750

Drawing Status	Drawing Number	Rev.
Information	GB01T23F60//SPA018	-

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Project

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Swept Path Assessment

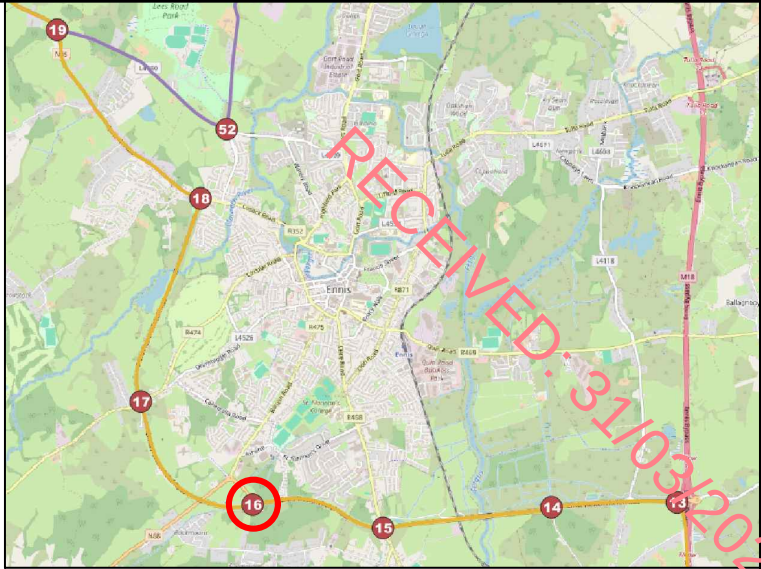
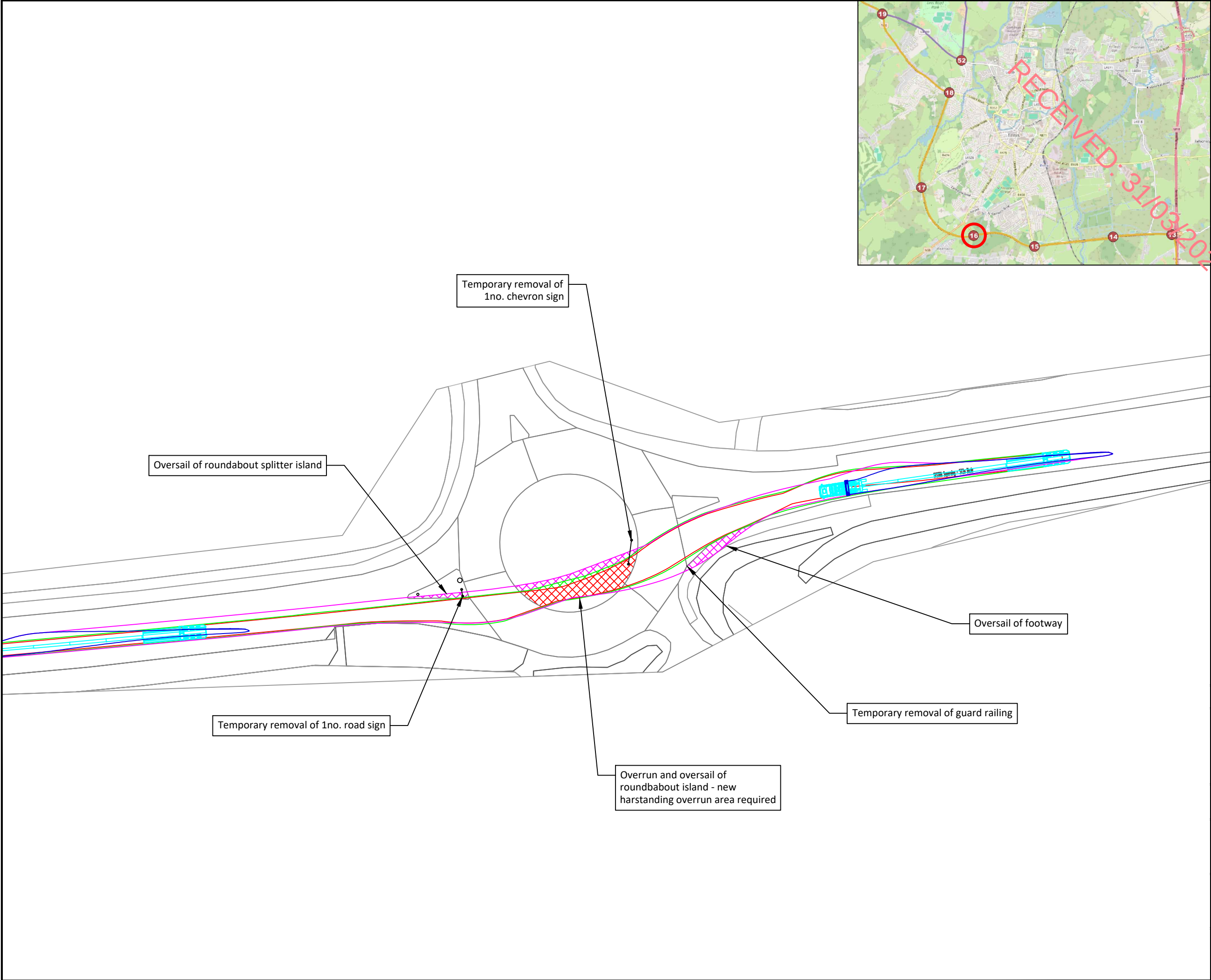
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 15
Alternative avoiding overrun

Drawn	TF	Checked	ADV	Approved	ADV
Original dwg. size	A3	Date	16/10/2024	Scale	1:750
Drawing Status	Information	Drawing Number	GB01T23F60/II/SPA019	Rev.	-

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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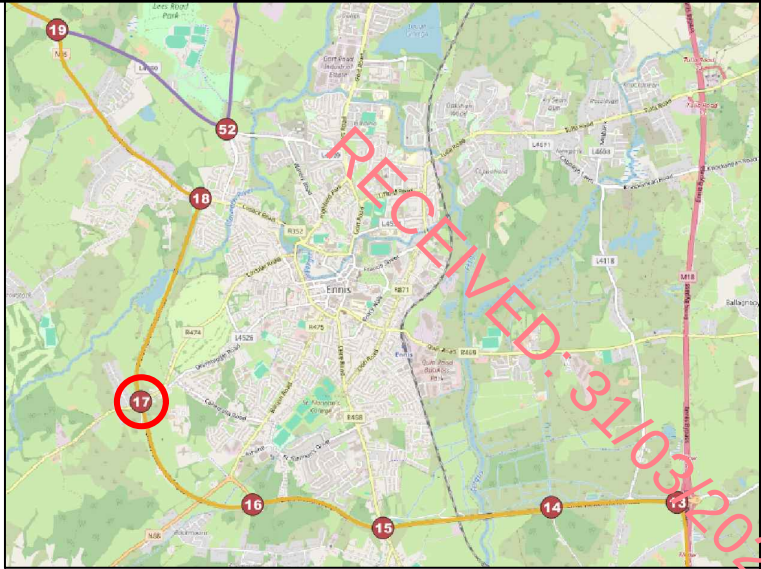
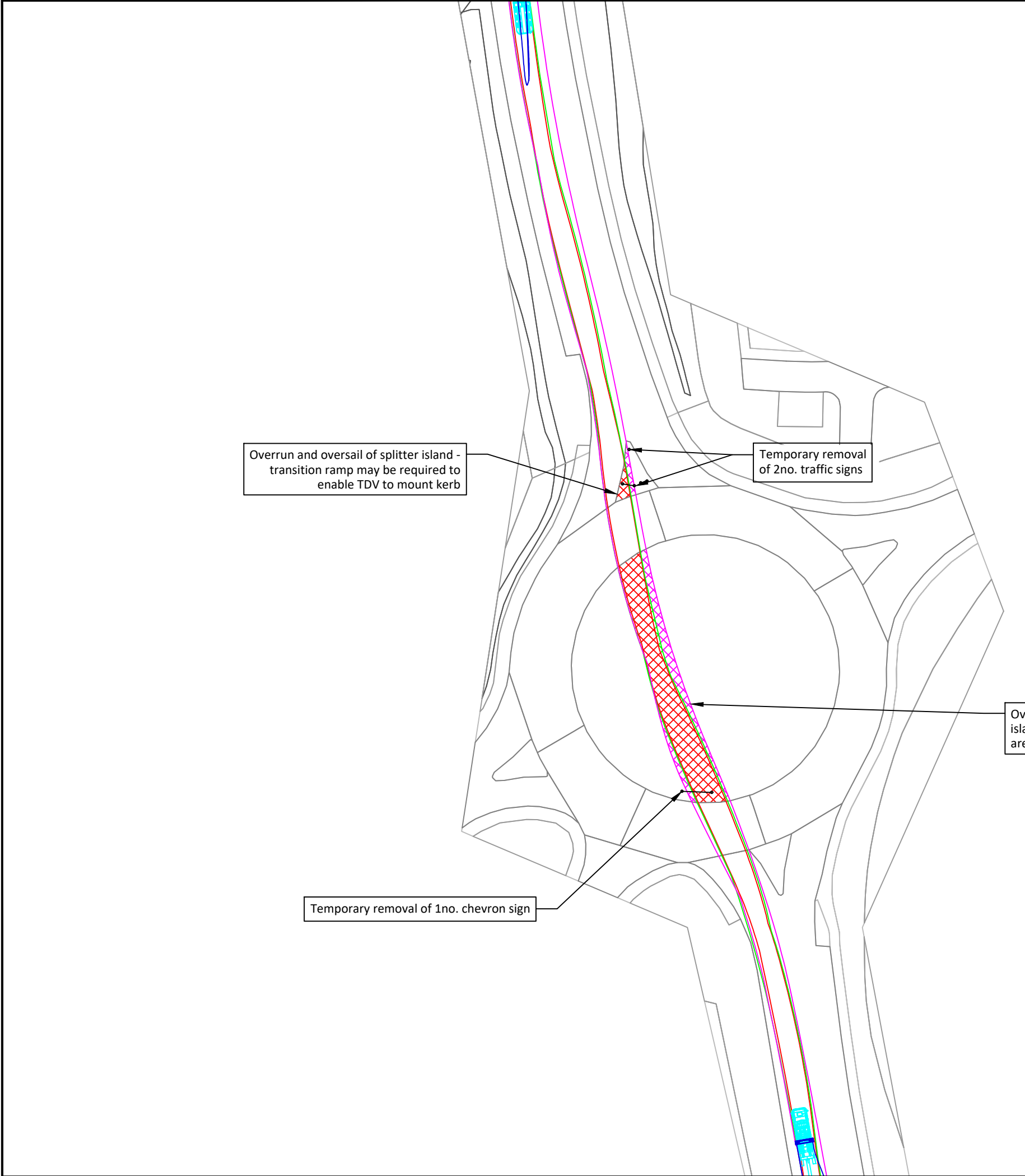
T 0131 460 1847
E scotland@systra.co.uk

Client
Gavin & Doherty Geosolutions

Project
Ilaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 16

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:750
Drawing Status Information	Drawing Number GB01T23F60/I/SPA020	Rev. -



Notes:

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- Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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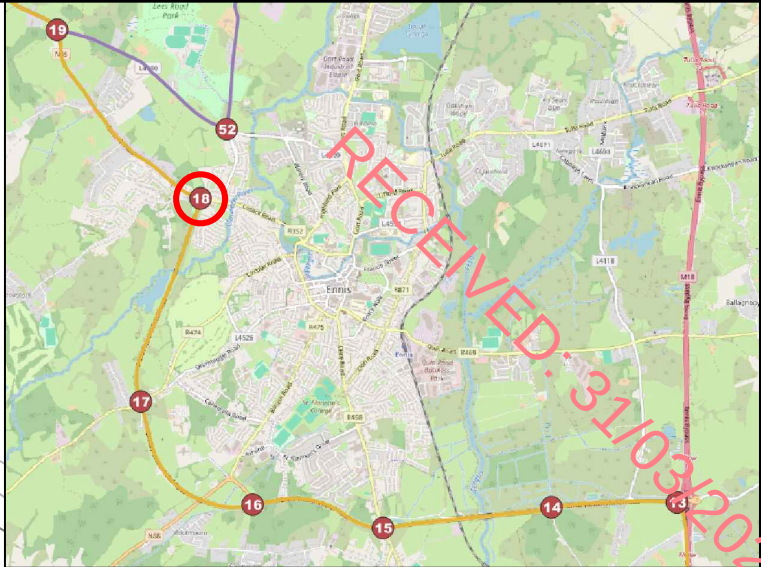
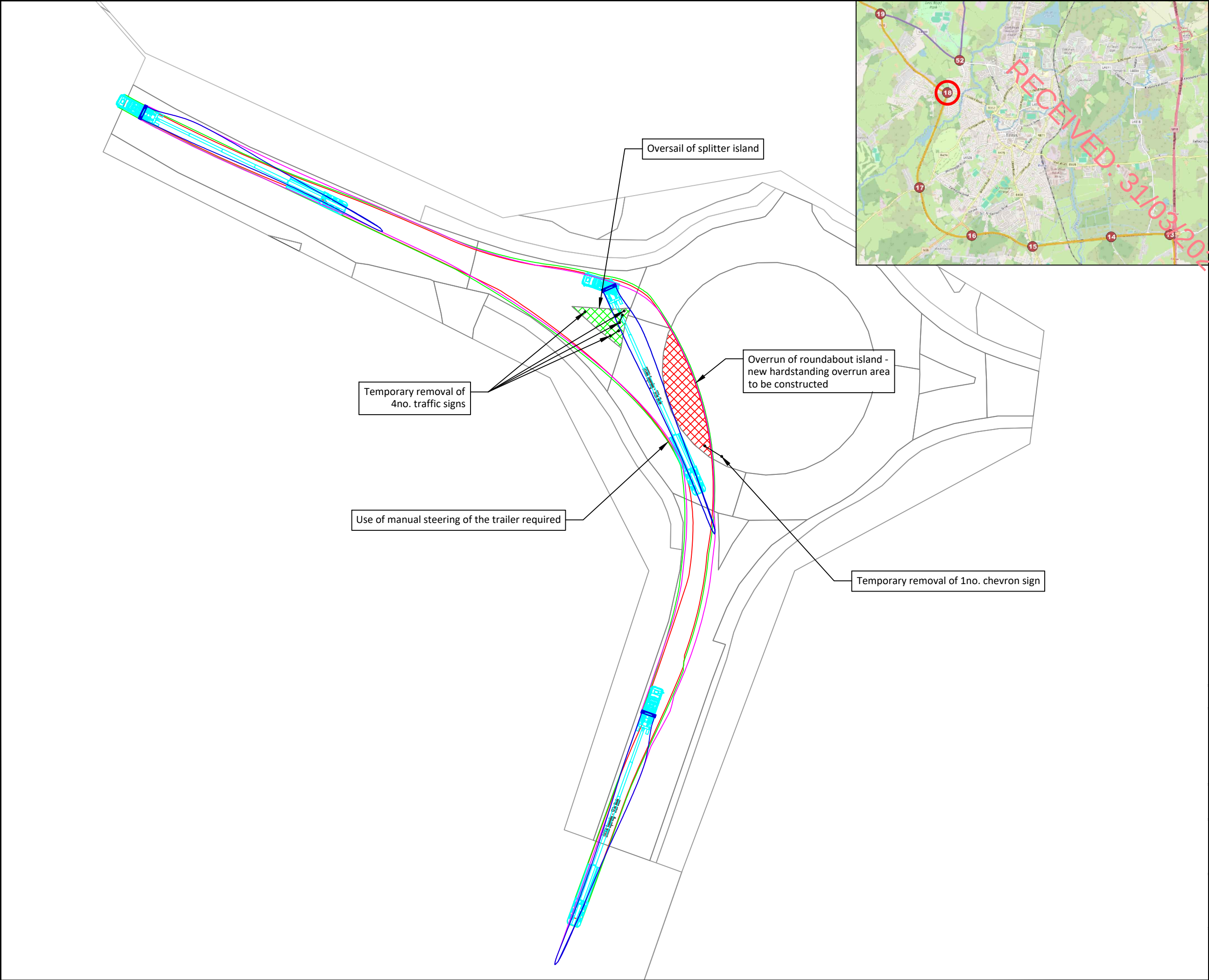
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 17

Drawn	Checked	Approved
TF	ADV	ADV
Original dtd. size	Date	Scale
A3	16/10/2024	1:750
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/II/SPA021	-



Notes:

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2. All dimensions in metres unless otherwise stated.
3. Please note that marked service locations are indicative only and should be confirmed by topographical survey.



Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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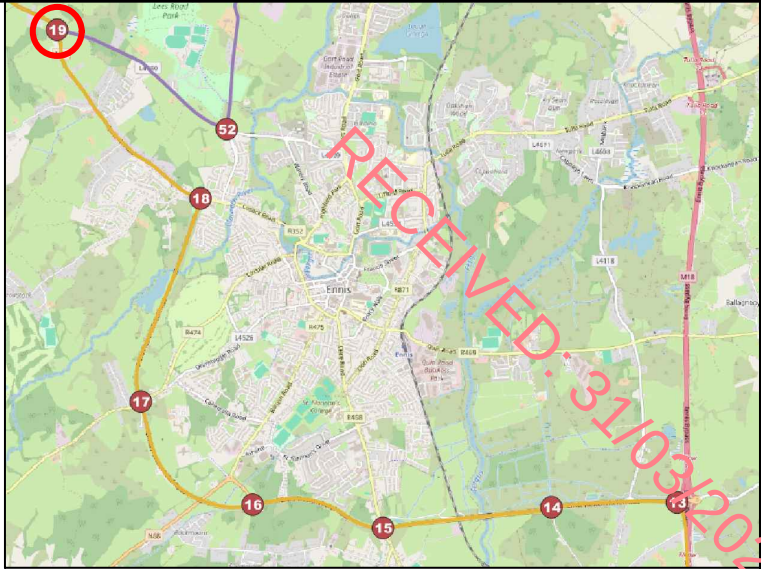
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 18

Drawn	TF	Checked	ADV	Approved	ADV
Original dtp. size	A3	Date	16/10/2024	Scale	1:750
Drawing Status	Information	Drawing Number	GB01T23F60/I/SPA022	Rev.	-



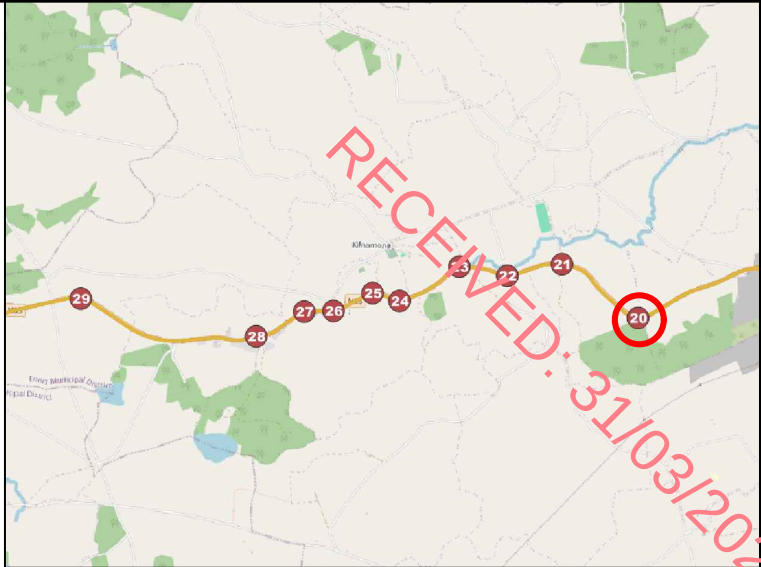
Notes:

- Do not scale from drawing.
- All dimensions in metres unless otherwise stated.
- Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved
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Client Gavin & Doherty Geosolutions					
Project Illaunbaun Wind Farm Swept Path Assessment					
Title Super Wing Blade Carrier Vestas V117 - 57.2m Blade Pinch Point 19 Route 1 - From South					
Drawn TF		Checked ADV		Approved ADV	
Original dwg. size A3		Date 16/10/2024		Scale 1:1000	
Drawing Status Information		Drawing Number GB01T23F60/I/SPA023		Rev. -	



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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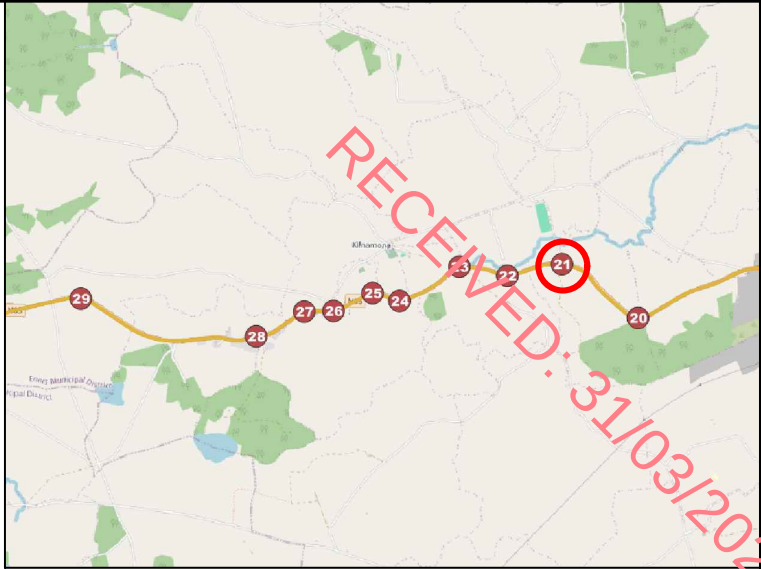
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 20

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size	Date	Scale
A3	16/10/2024	1:750
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60//SPA024	-



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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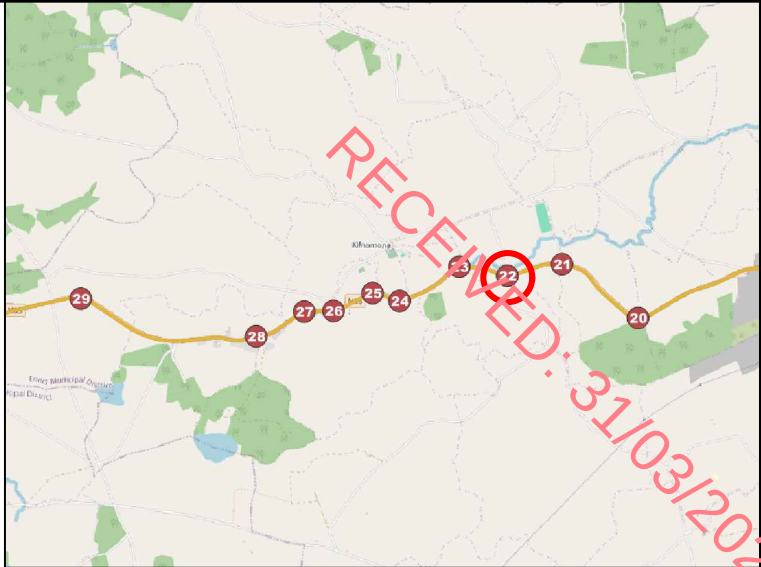
Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 21

Drawn TF	Checked ADV	Approved ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:500
Drawing Status Information		Rev. -

Drawing Number GB01T23F60/I/SPA025	
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Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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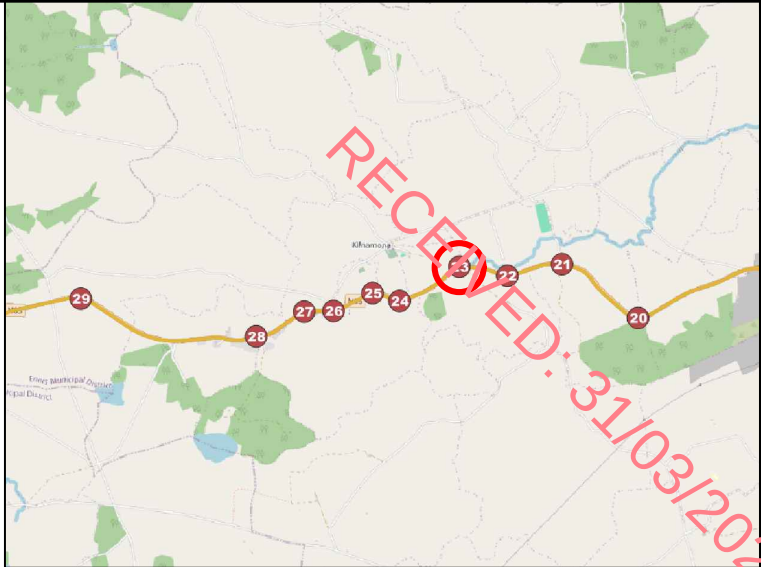
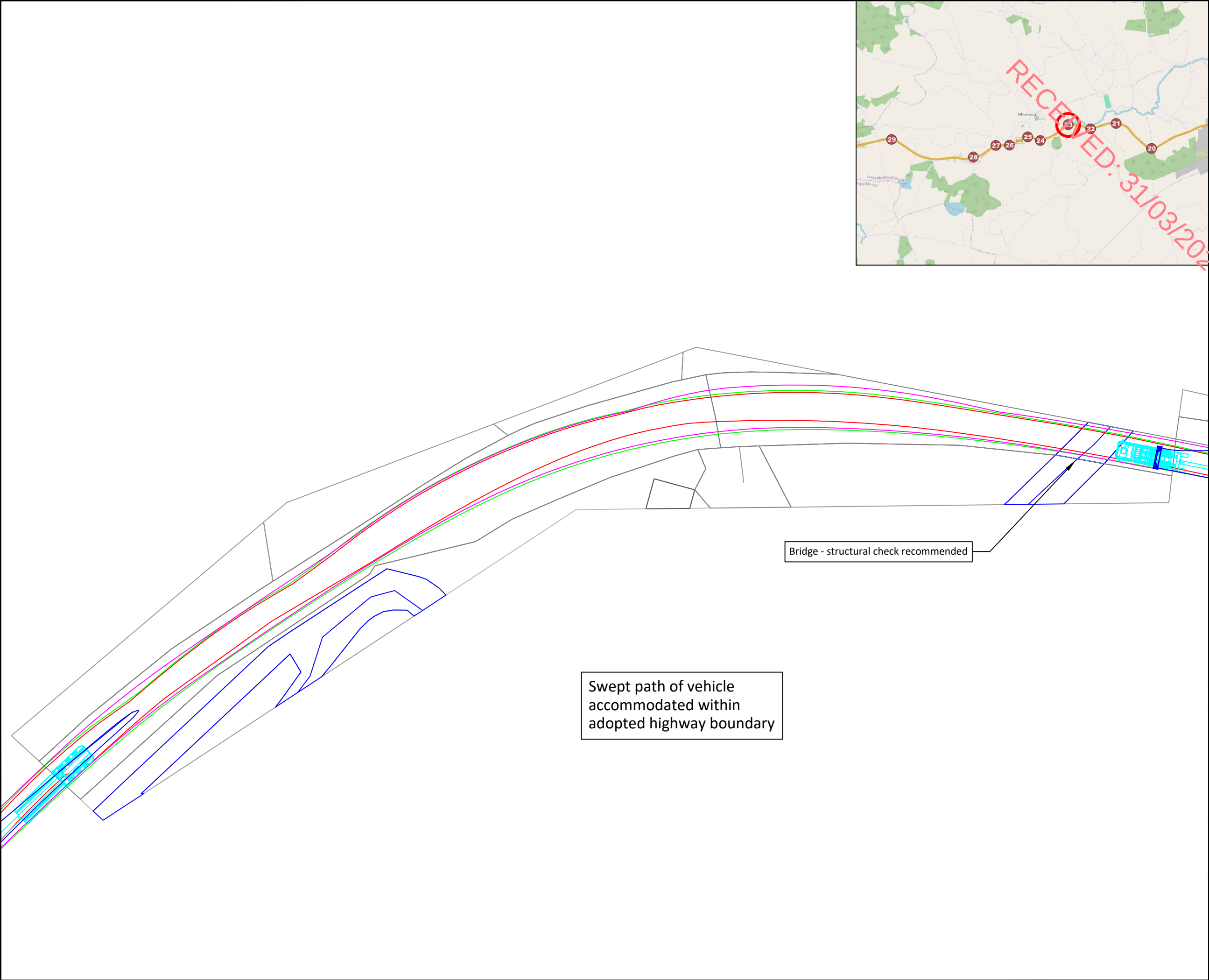
Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 22

Drawn TF	Checked ADV	Approved ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:750
Drawing Status Information		Rev. -

Drawing Number
GB01T23F60/I/SPA026

Rev.
-



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Project

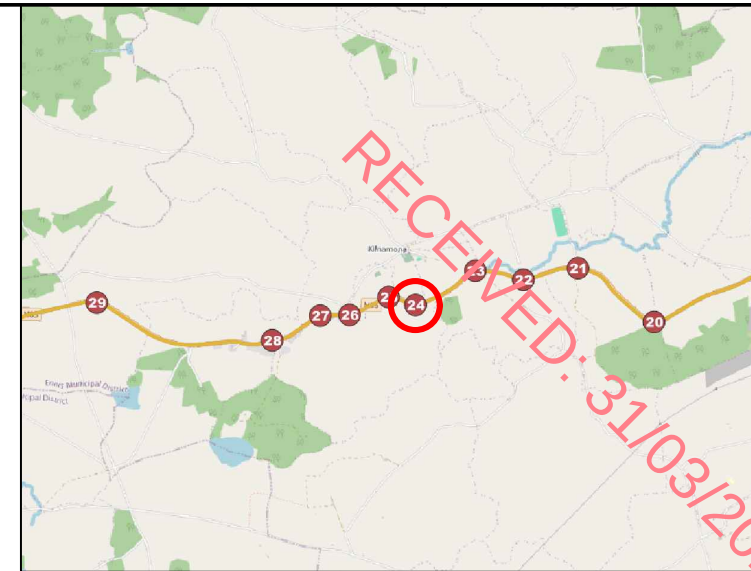
Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 23

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size	Date	Scale
A3	16/10/2024	1:500

Drawing Status	Drawing Number	Rev.
Information	GB01T23F60//SPA027	-



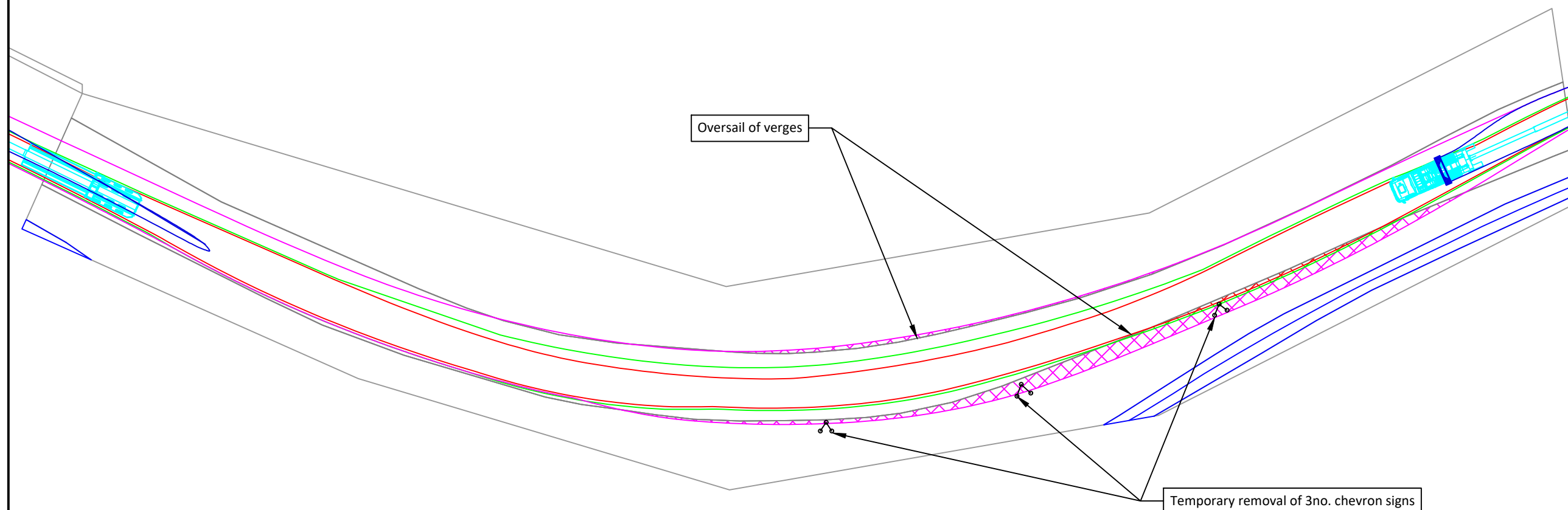
	<u>Notes:</u>
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3. Please note that marked service locations are indicative only and should be confirmed by topographical survey.



Key:

-  Blade Transporter Vehicle
-  Blade Outline
-  Over-run envelope of tractor and trailer wheels
-  Over-sail envelope being swept by tractor and trailer bed
-  Over-sail envelope being swept by blade path
-  Over-run area of tractor and trailer wheels out with carriageway
-  Over-sail area of tractor and trailer bed out with carriageway
-  Over-sail area of blade out with carriageway



Oversail of verges

Temporary removal of 3no. chevron signs

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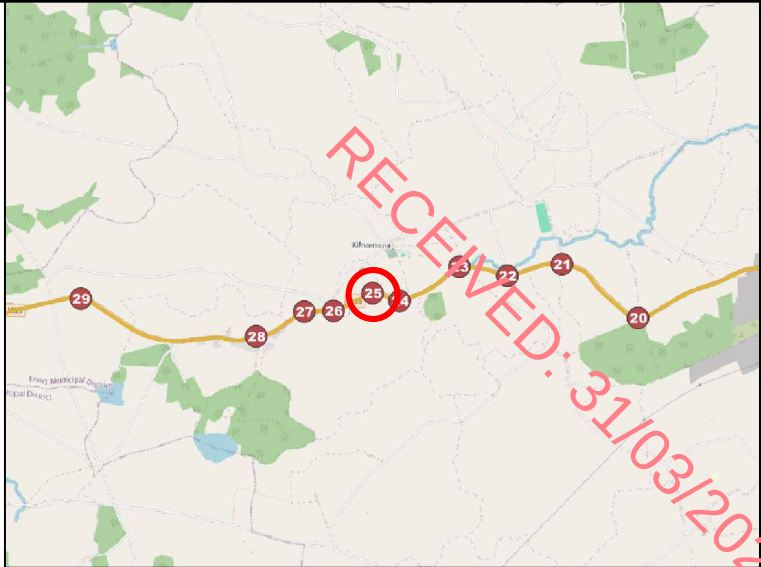
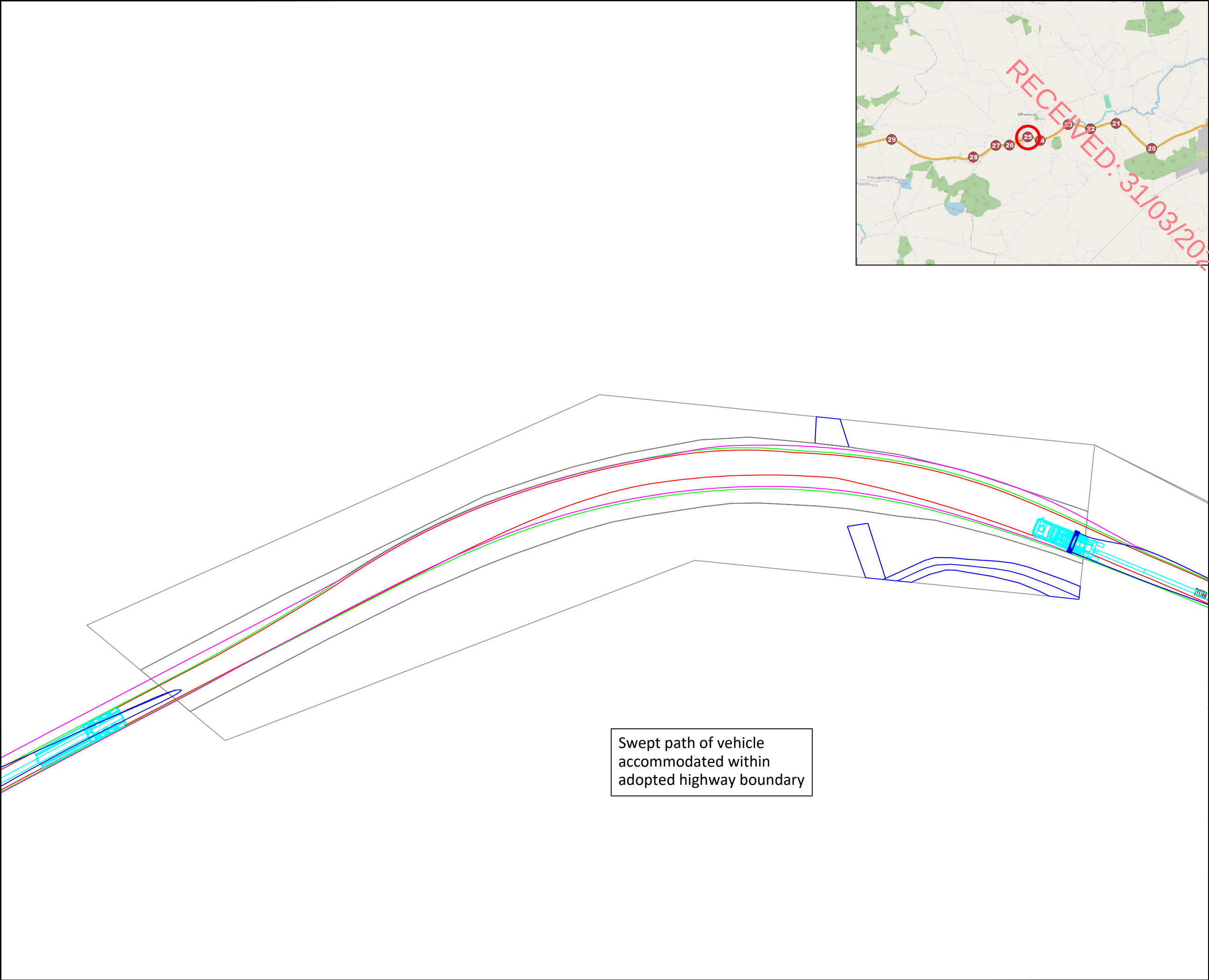
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title	Author	Date	Location	Notes
Title	Author	Date	Location	Notes

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 24

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size	Date	Scale
A3	16/10/2024	1:500
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60//SPA028	-



Notes:

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- All dimensions in metres unless otherwise stated.
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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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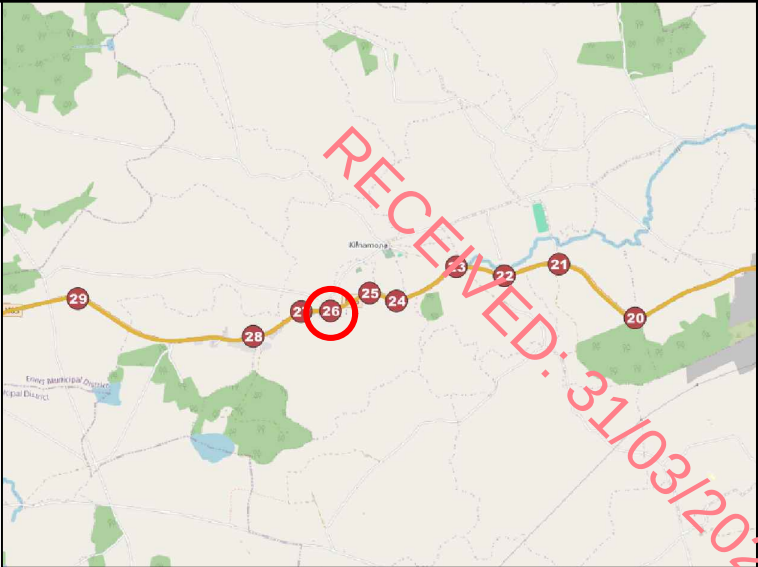
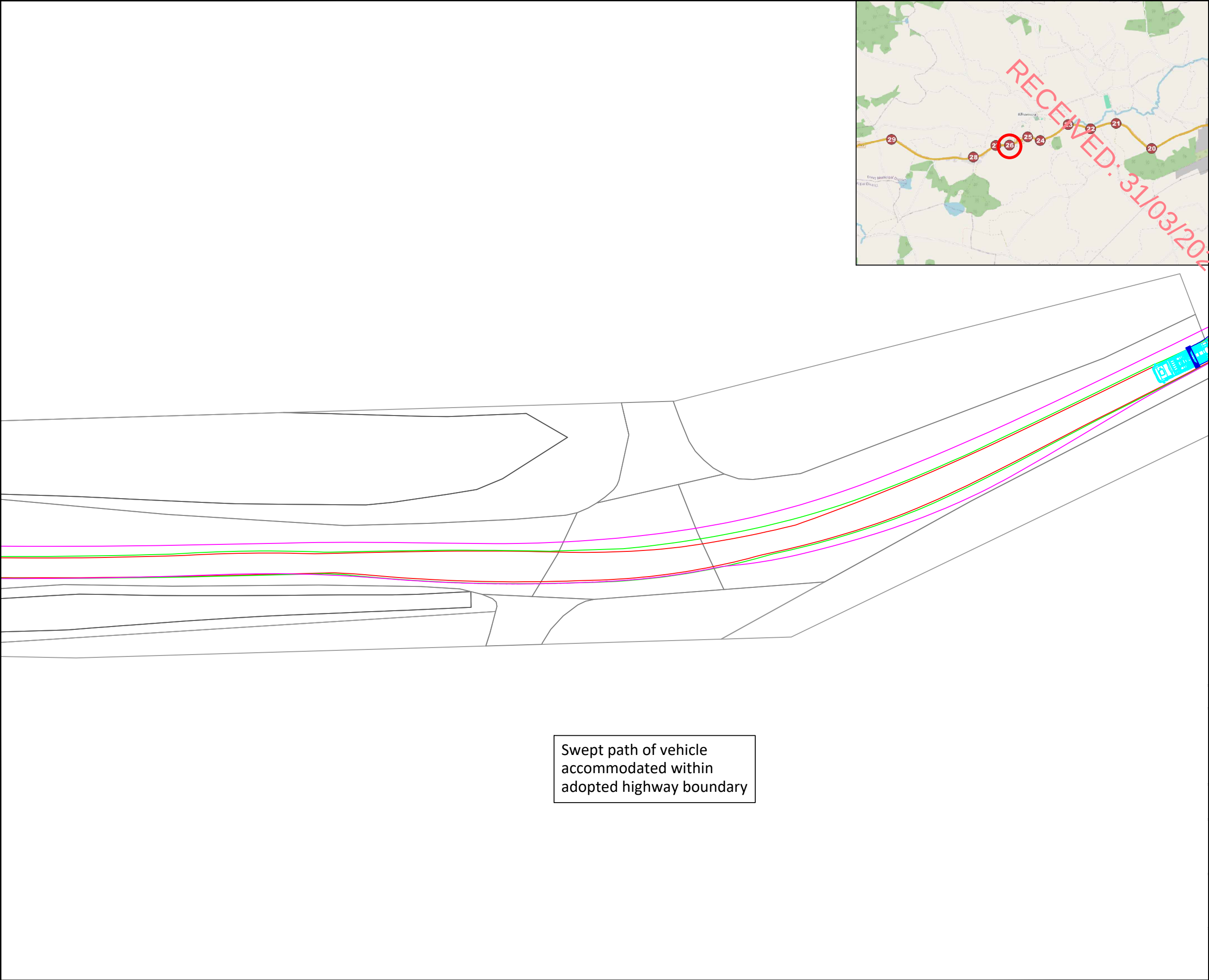
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 25

Drawn	TF	Checked	ADV	Approved	ADV
Original dtp. size	A3	Date	16/10/2024	Scale	1:500
Drawing Status	Information		Drawing Number	GB01T23F60/I/SPA029	Rev.
					-



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Project

Illaunbaun Wind Farm
Swept Path Assessment

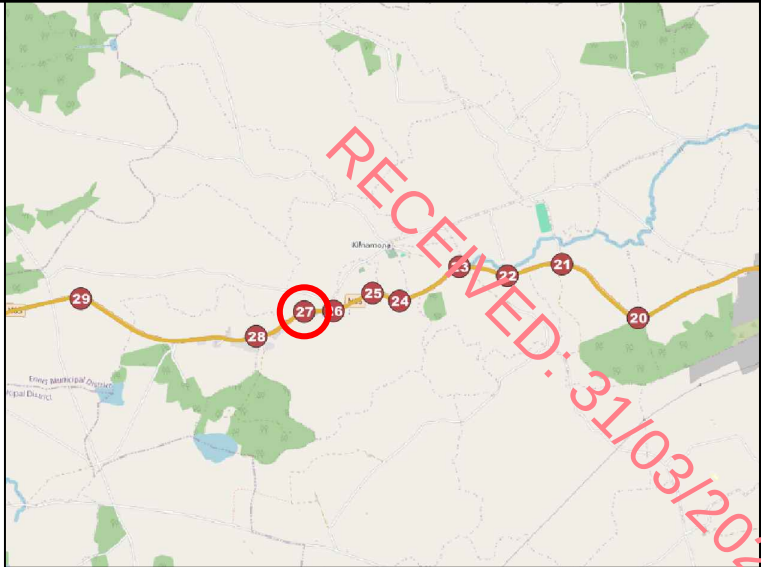
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 26

Drawn	TF	Checked	ADV	Approved	ADV
Original dwg. size	A3	Date	16/10/2024	Scale	1:500
Drawing Status	Information		Drawing Number	GB01T23F60/I/SPA030	Rev.
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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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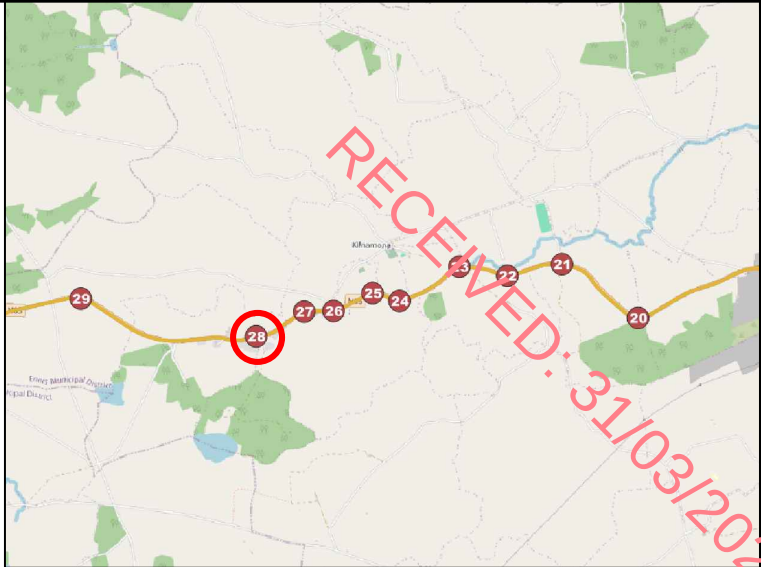
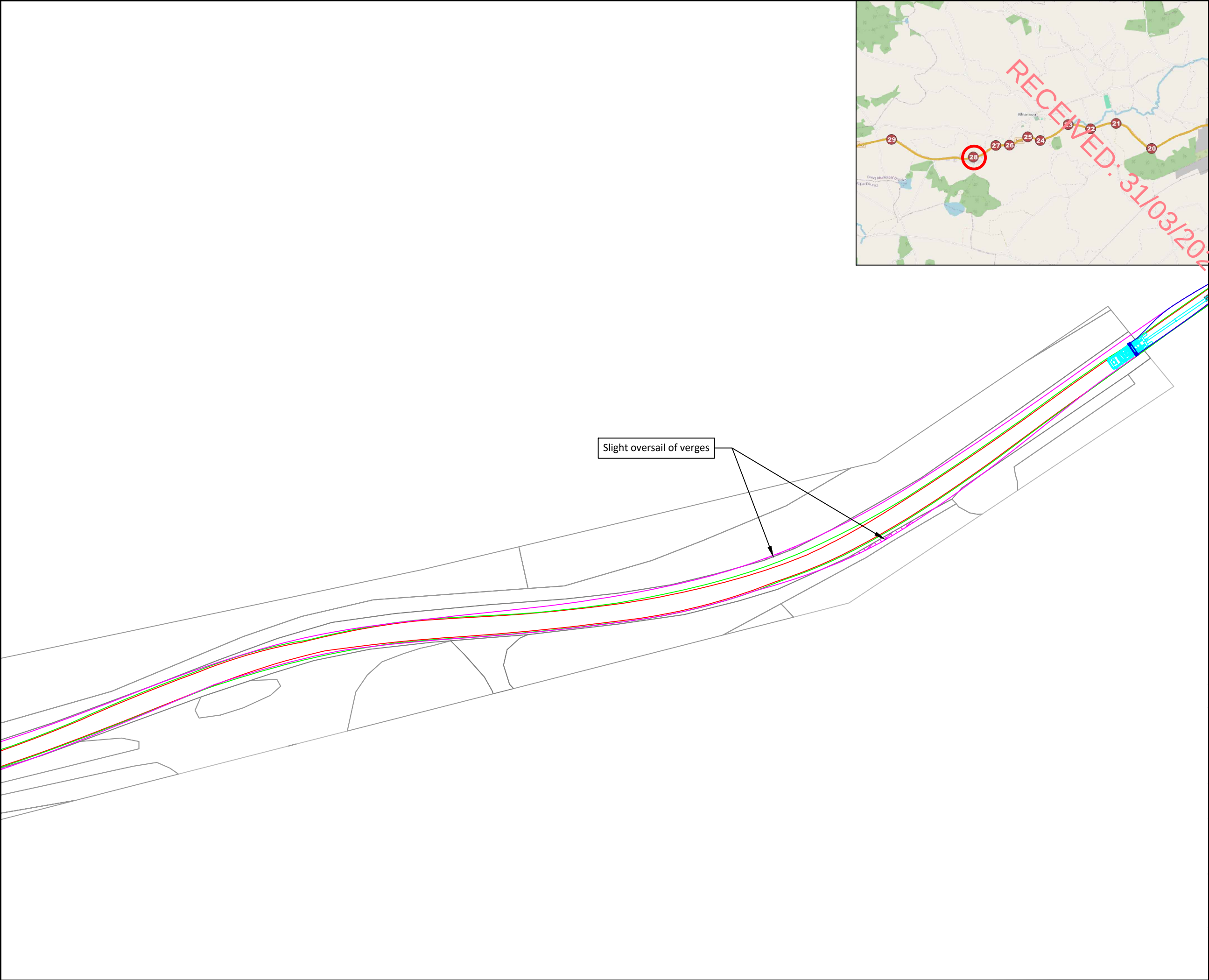
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 27

Drawn TF	Checked ADV	Approved ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:500
Drawing Status Information	Drawing Number GB01T23F60/II/SPA031	Rev. -



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Illaunbaun Wind Farm
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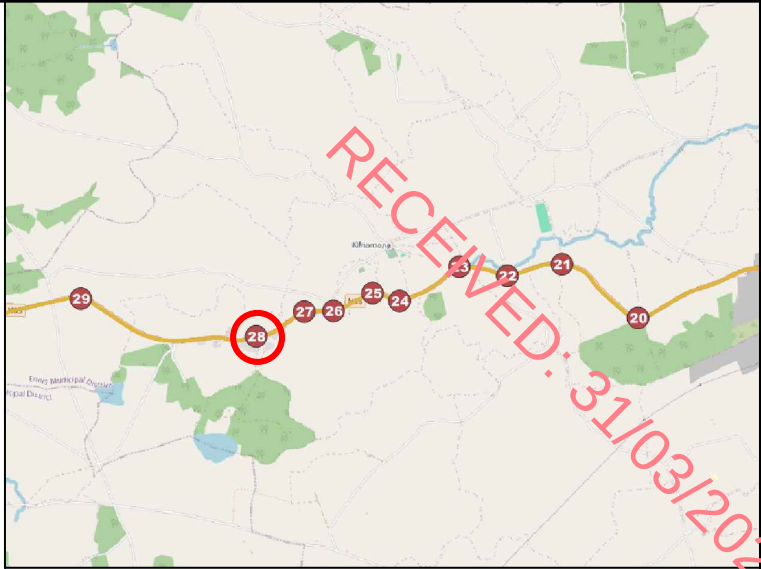
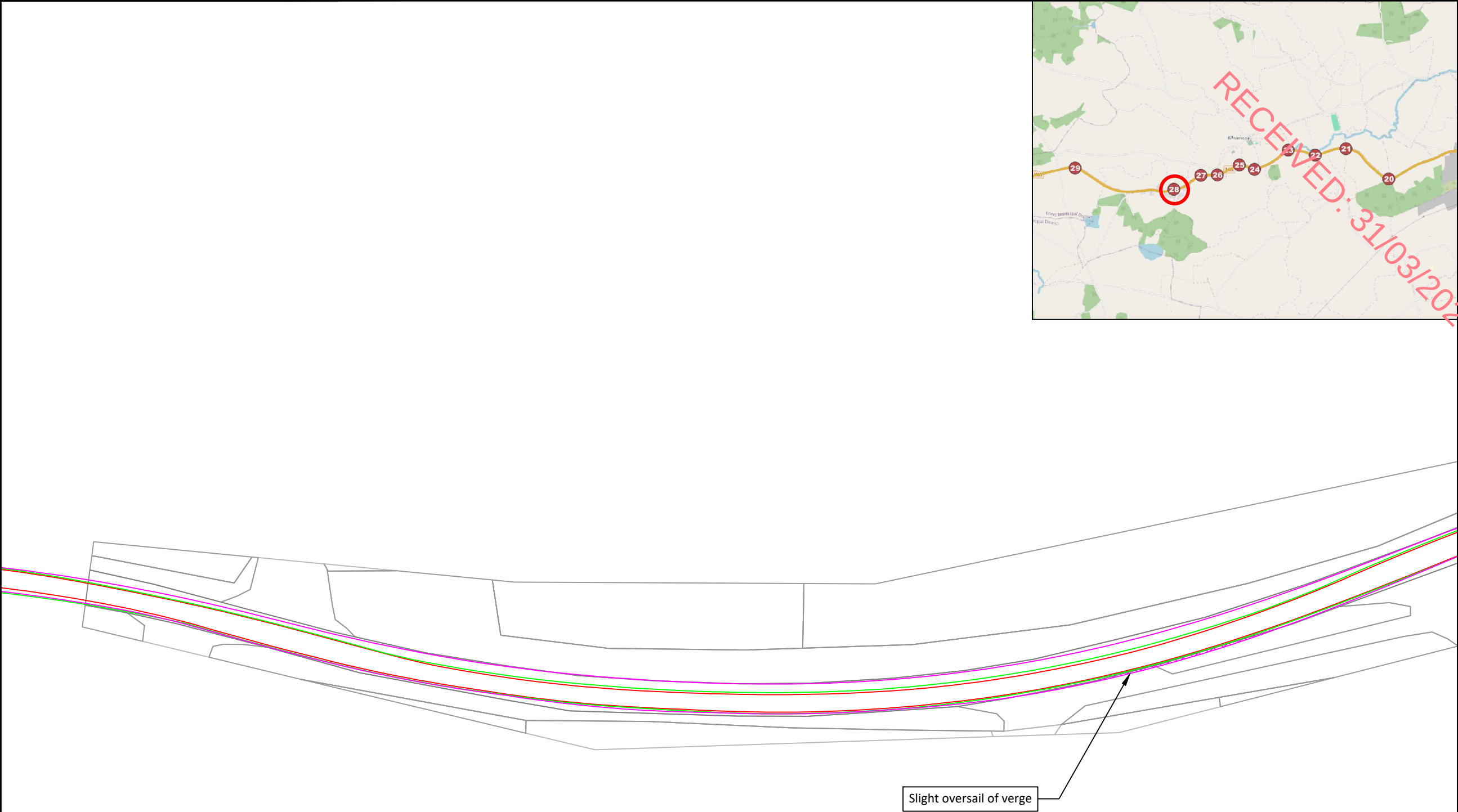
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 28
Sheet 1 of 2

Drawn	TF	Checked	ADV	Approved	ADV
Original dtp. size	A3	Date	16/10/2024	Scale	1:750
Drawing Status	Information		Drawing Number	GB01T23F60//SPA032	Rev.
					-

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Notes:

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- Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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T 0131 460 1847
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Client

Gavin & Doherty Geosolutions

Project

Illaunbaun Wind Farm
Swept Path Assessment

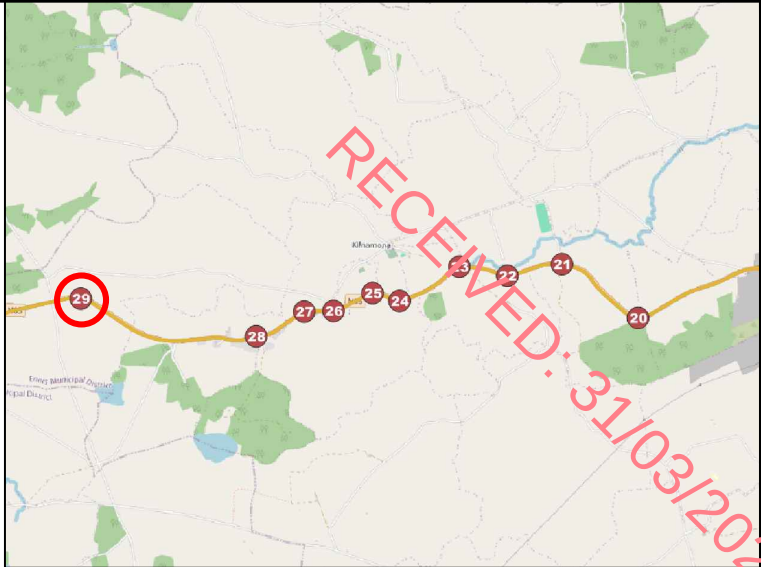
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 28
Sheet 2 of 2

Drawn	TF	Checked	ADV	Approved	ADV
Original dwg. size	A3	Date	16/10/2024	Scale	1:750
Drawing Status	Information		Drawing Number	GB01T23F60//SPA033	Rev.
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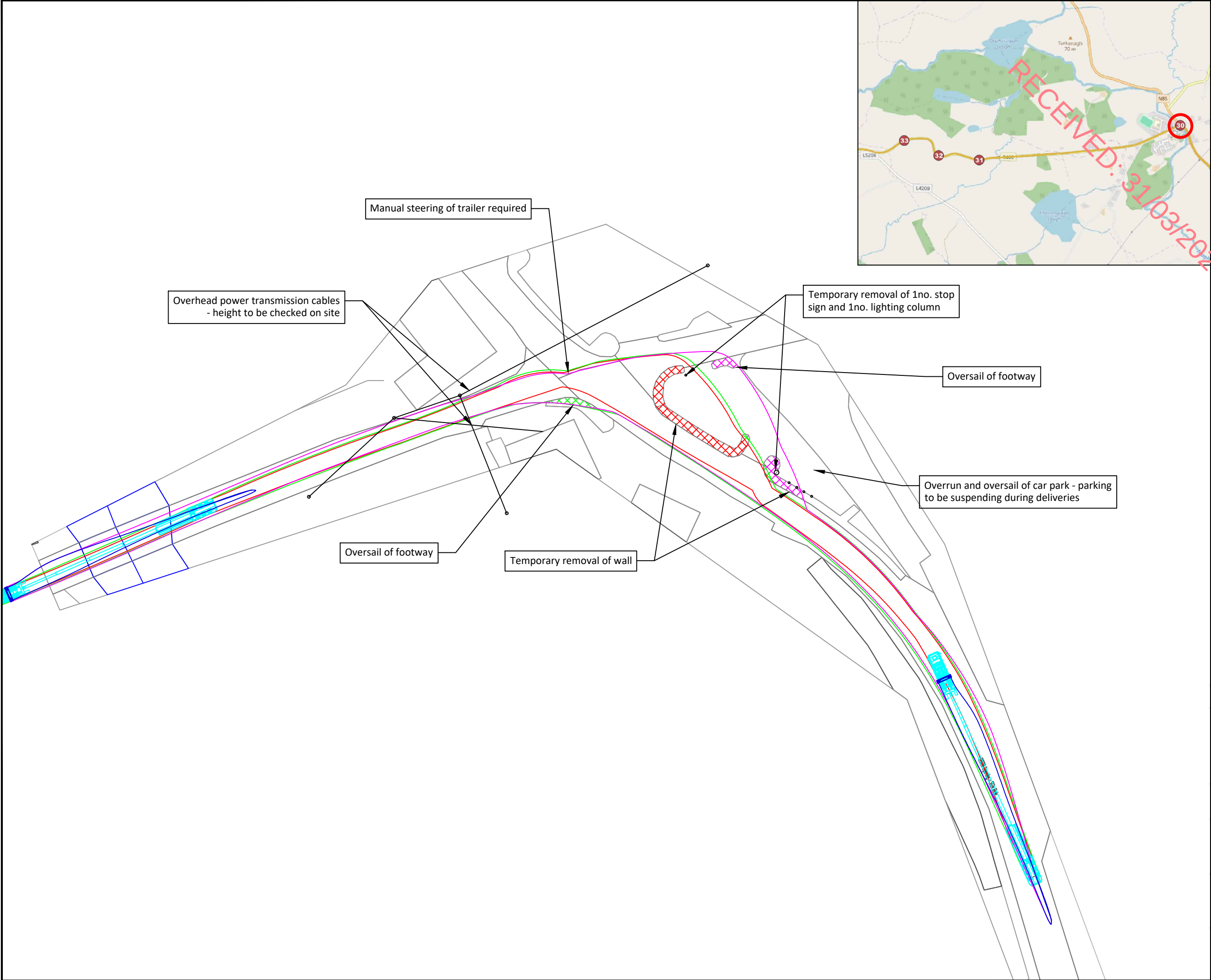
Notes:

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- All dimensions in metres unless otherwise stated.
- Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved
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Client Gavin & Doherty Geosolutions					
Project Illaunbaun Wind Farm Swept Path Assessment					
Title Super Wing Blade Carrier Vestas V117 - 57.2m Blade Pinch Point 29					
Drawn TF		Checked ADV		Approved ADV	
Original dtp. size A3		Date 16/10/2024		Scale 1:1000	
Drawing Status Information		Drawing Number GB01T23F60//SPA034		Rev. -	



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Key:

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- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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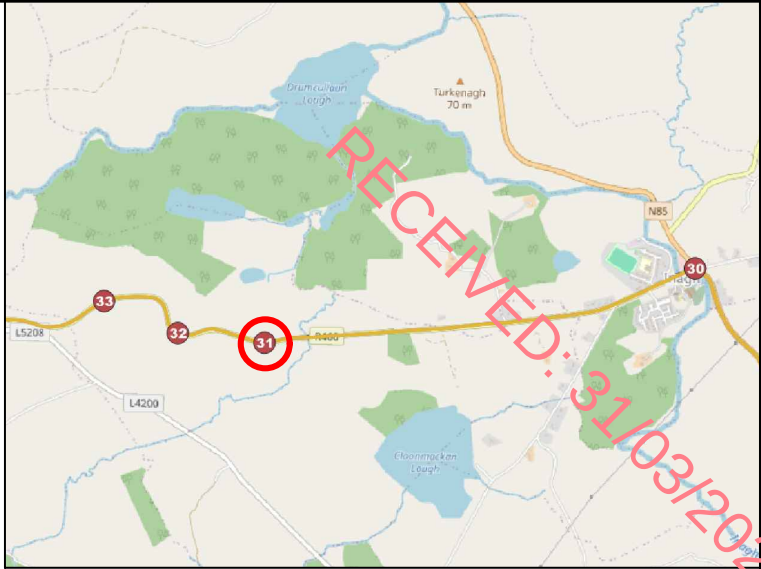
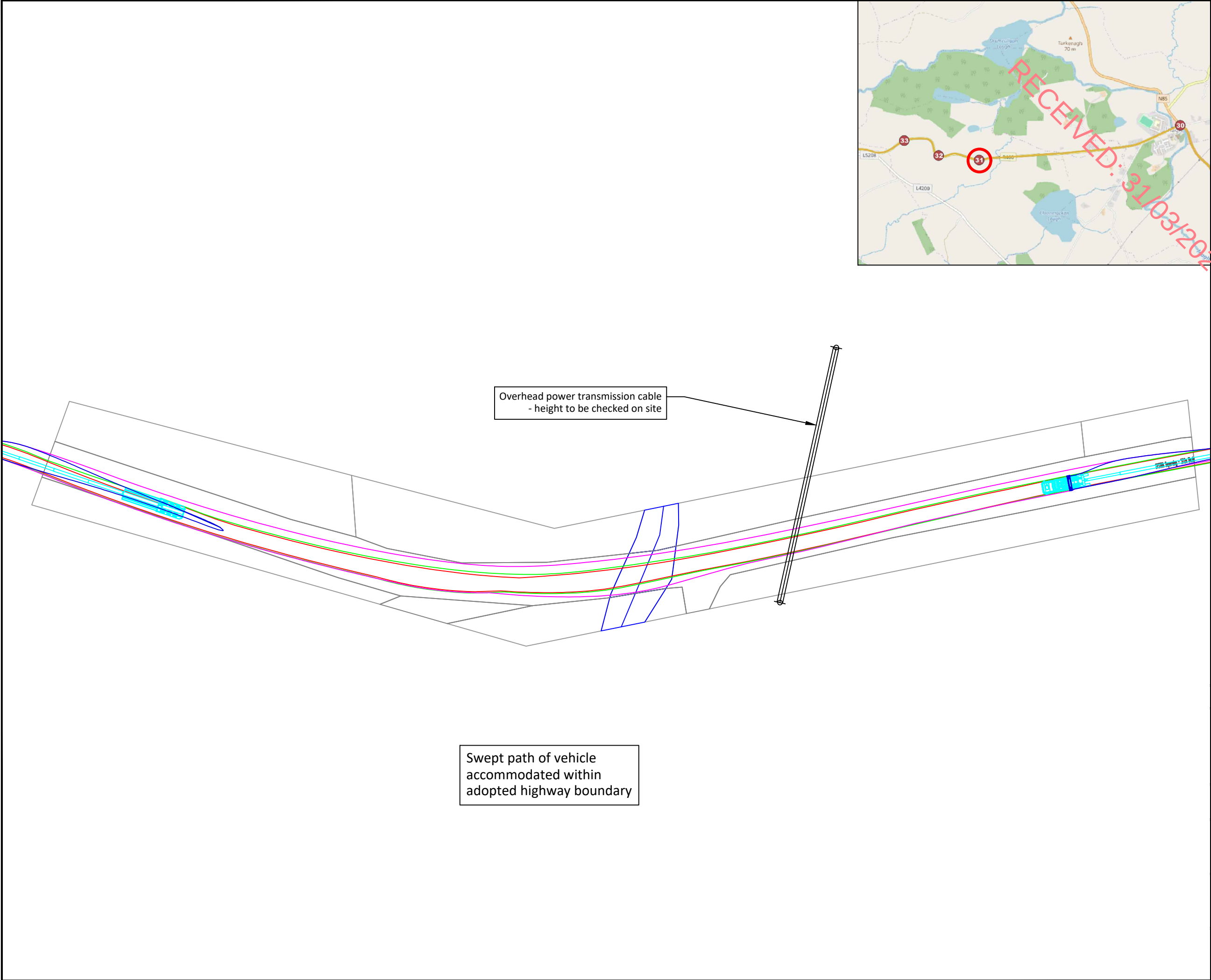
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 30

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:750
Drawing Status Information	Drawing Number GB01T23F60/I/SPA035	Rev. -



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Key:

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- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Client
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Project
Illaunbaun Wind Farm
Swept Path Assessment

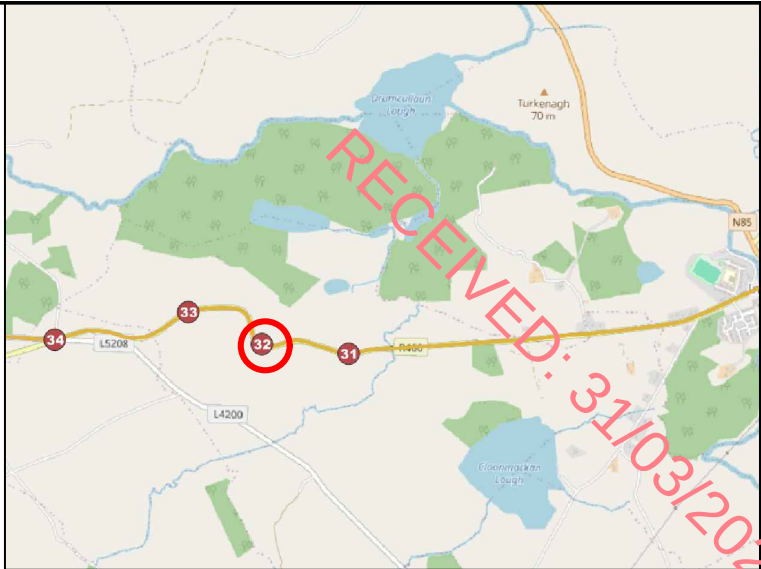
Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 31

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:750
Drawing Status Information	Drawing Number GB01T23F60/I/SPA036	Rev. -

Overhead power
transmission cables - height
to be checked on site

Swept path of vehicle
accommodated within
adopted highway boundary

Overhead power and
telecommunications cables -
heights to be checked on site



- Notes:
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 2. All dimensions in metres unless otherwise stated.
 3. Please note that marked service locations are indicative only and should be confirmed by topographical survey.



- Key:
- Blade Transporter Vehicle
 - Blade Outline
 - Over-run envelope of tractor and trailer wheels
 - Over-sail envelope being swept by tractor and trailer bed
 - Over-sail envelope being swept by blade path
 - Over-run area of tractor and trailer wheels out with carriageway
 - Over-sail area of tractor and trailer bed out with carriageway
 - Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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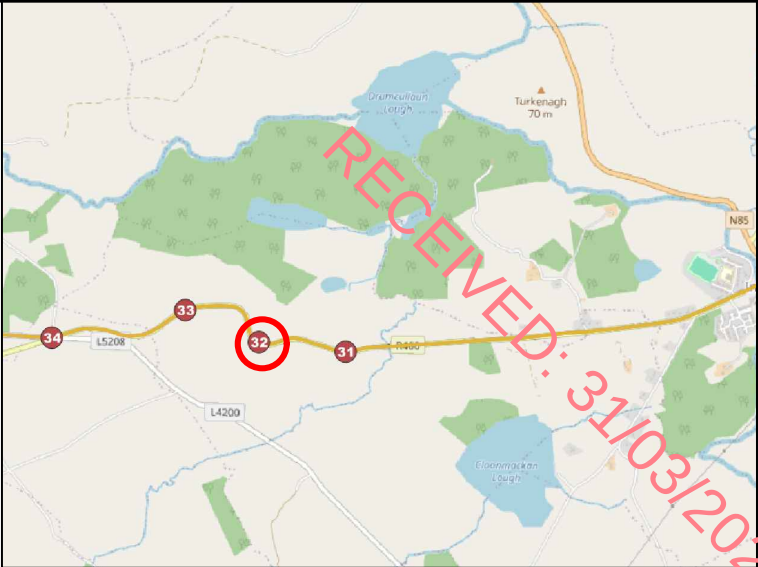
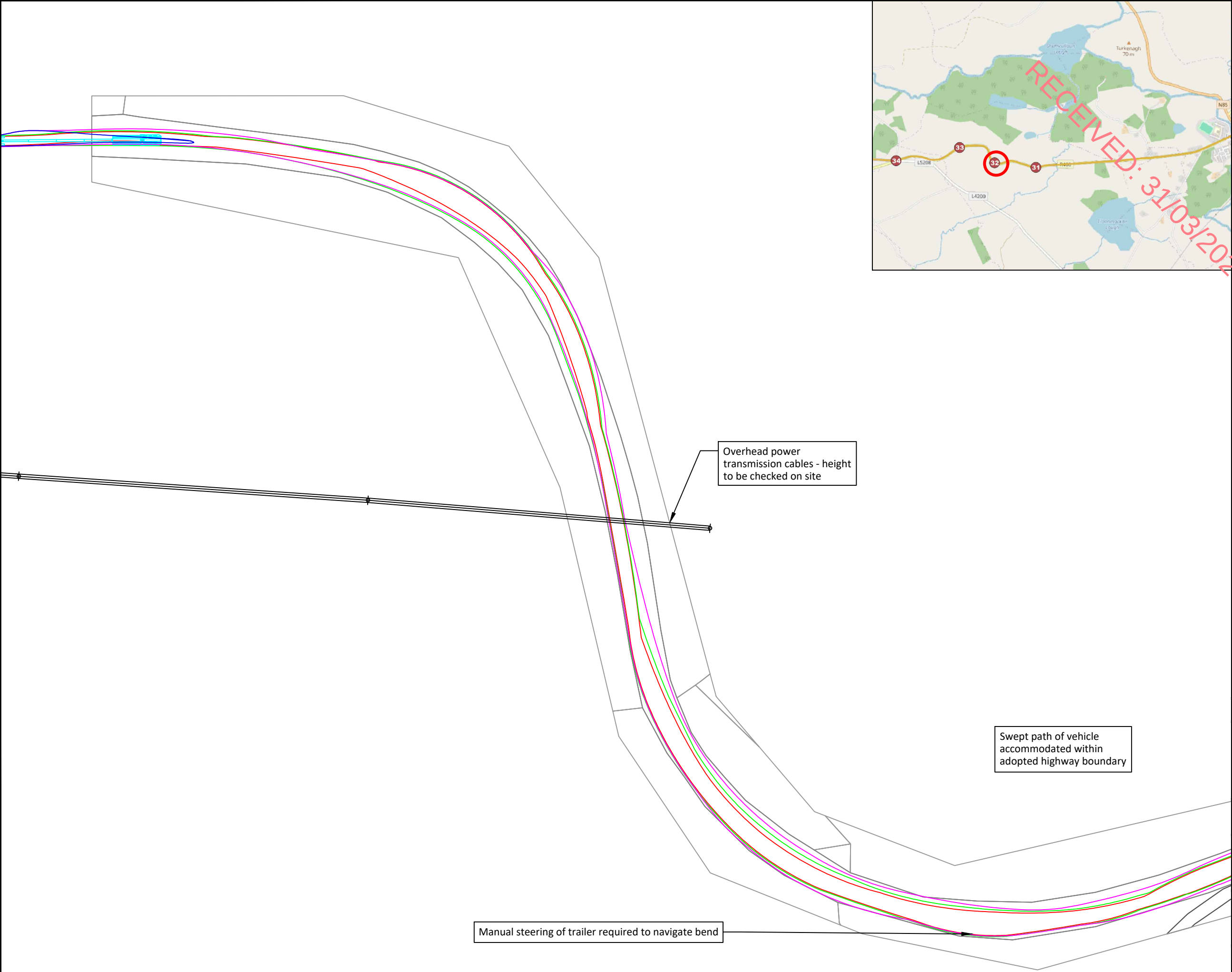
T 0131 460 1847
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 32
Sheet 1 of 2

Drawn TF	Checked ADV	Approved ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:1000
Drawing Status Information	Drawing Number GB01T23F60/I/SPA037	Rev. -



Notes:

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- Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Project

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Swept Path Assessment

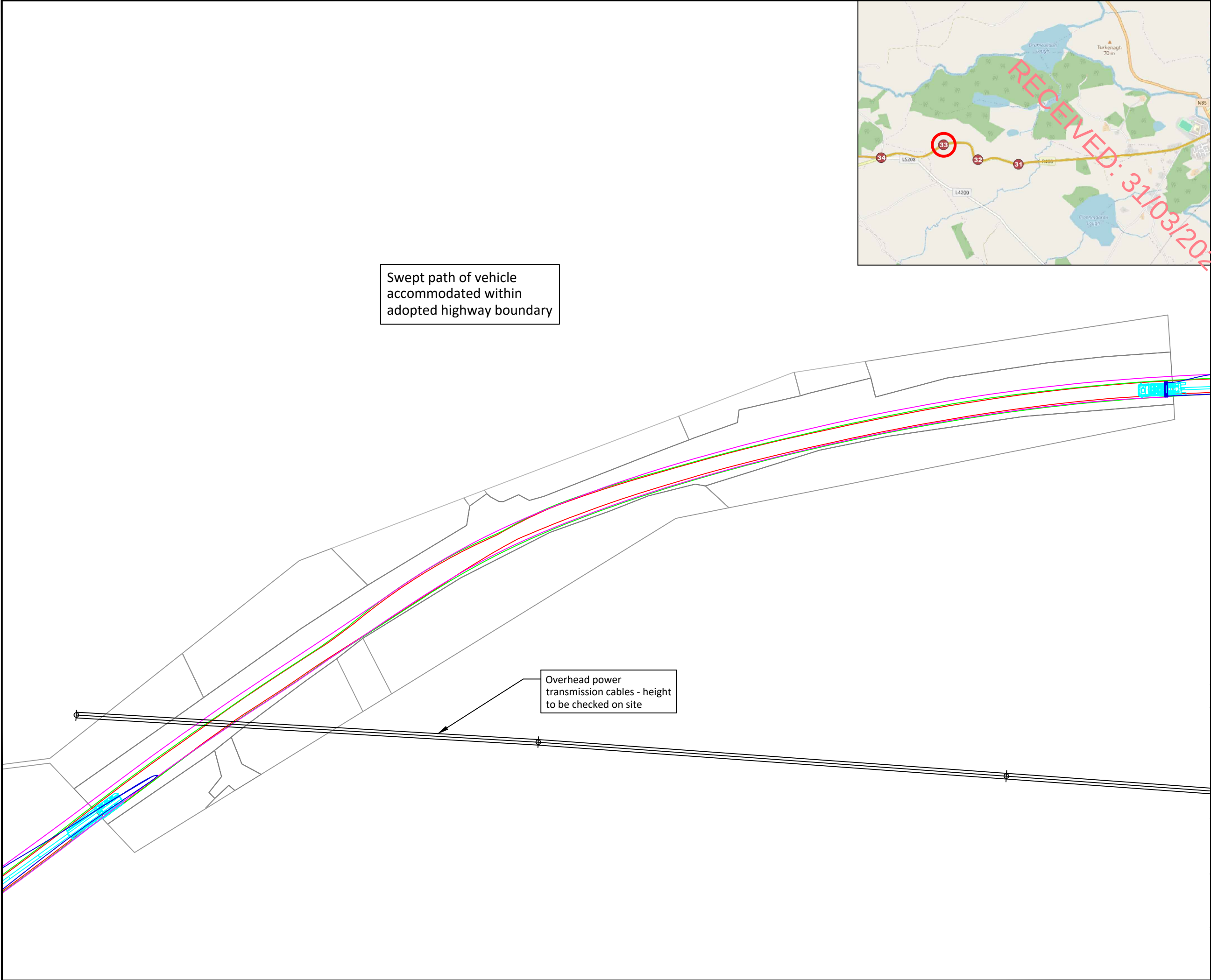
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 32
Sheet 2 of 2

Drawn	TF	Checked	ADV	Approved	ADV
Original dtp. size	A3	Date	16/10/2024	Scale	1:1000
Drawing Status	Information	Drawing Number	GB01T23F60//SPA038	Rev.	-

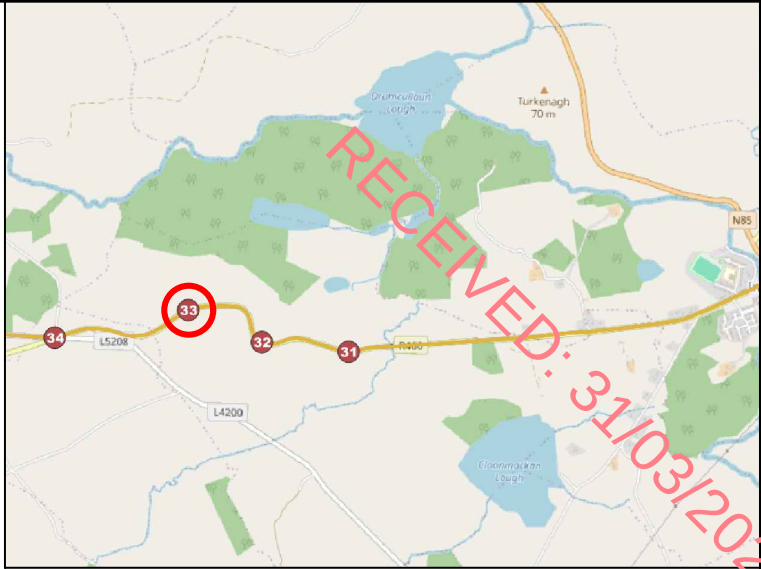
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Swept path of vehicle accommodated within adopted highway boundary

Overhead power transmission cables - height to be checked on site



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

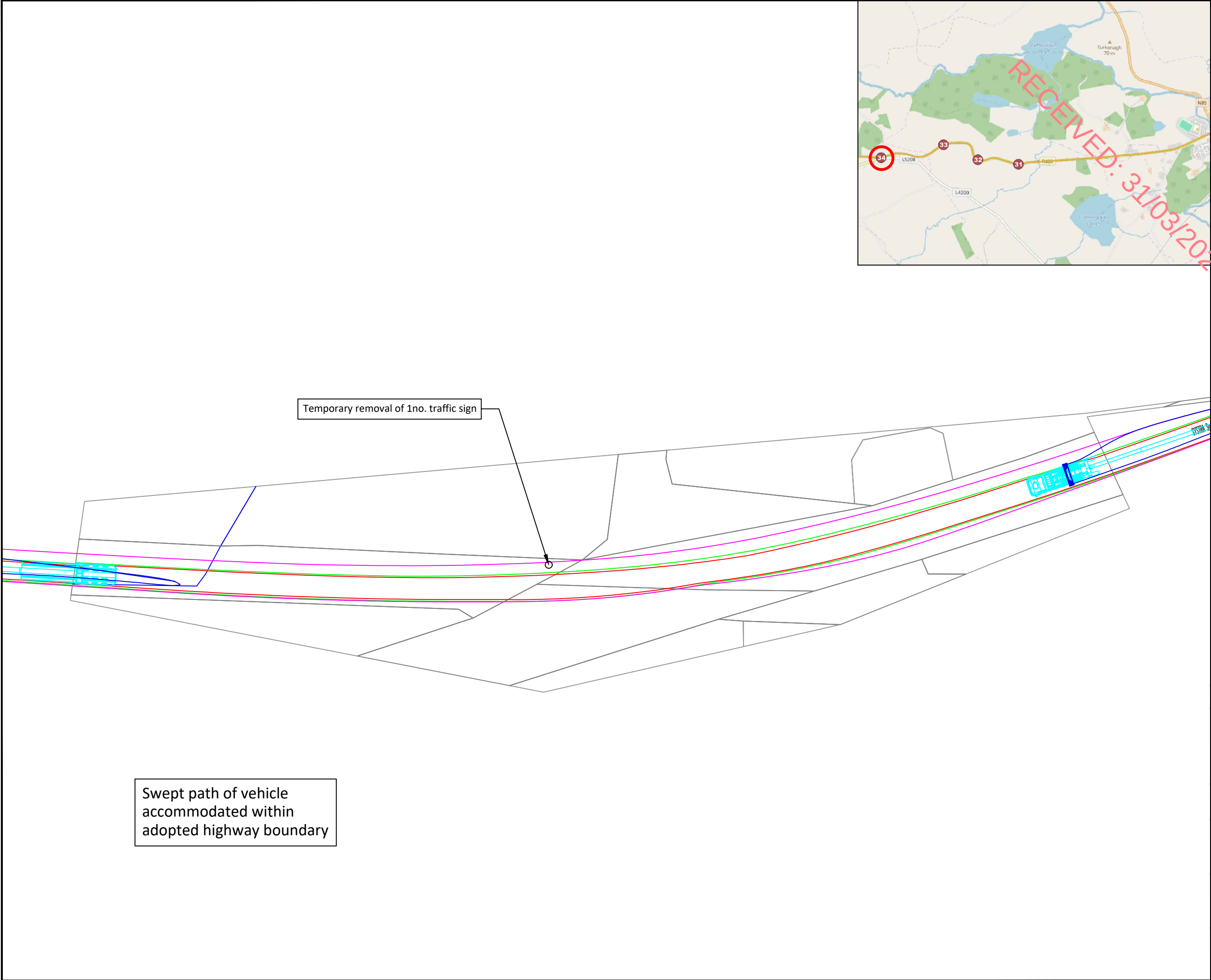
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 33

Drawn	Checked	Approved
TF	ADV	ADV
Original dtd. size	Date	Scale
A3	16/10/2024	1:750

Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/II/SPA039	-

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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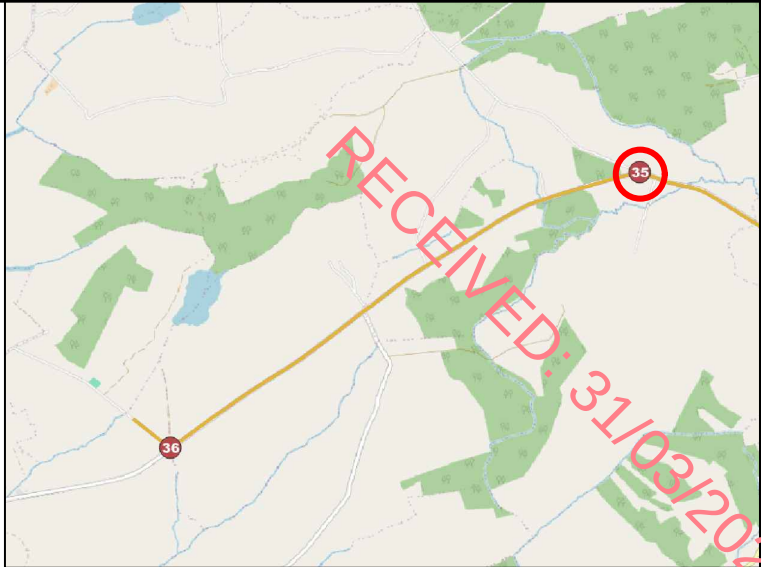
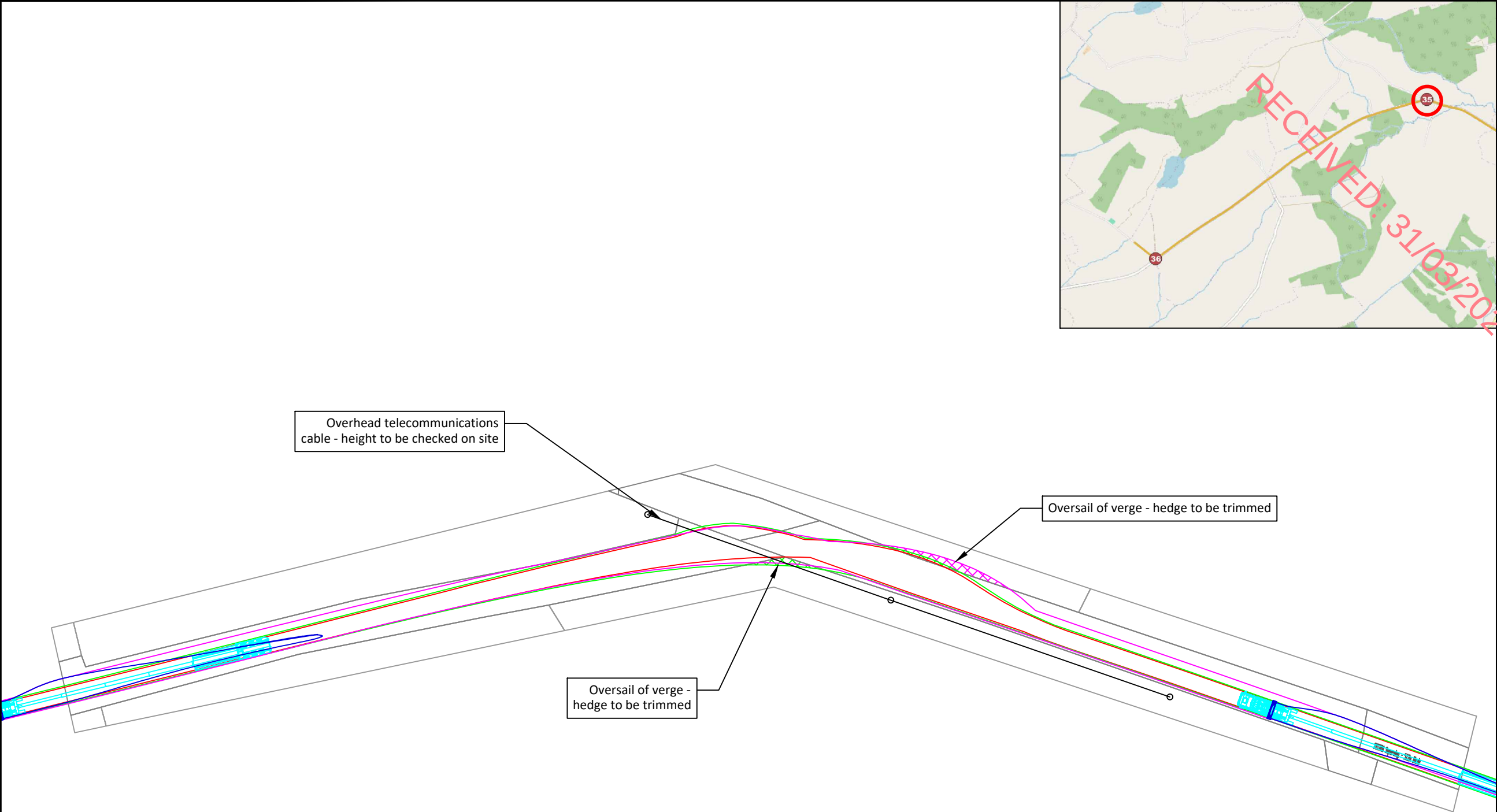
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Client
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Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 34

Drawn TF	Checked ADV	Approved ADV
Original dtp. size A3	Date 16/10/2024	Scale 1:500
Drawing Status Information	Drawing Number GB01T23F60/I/SPA040	Rev. -



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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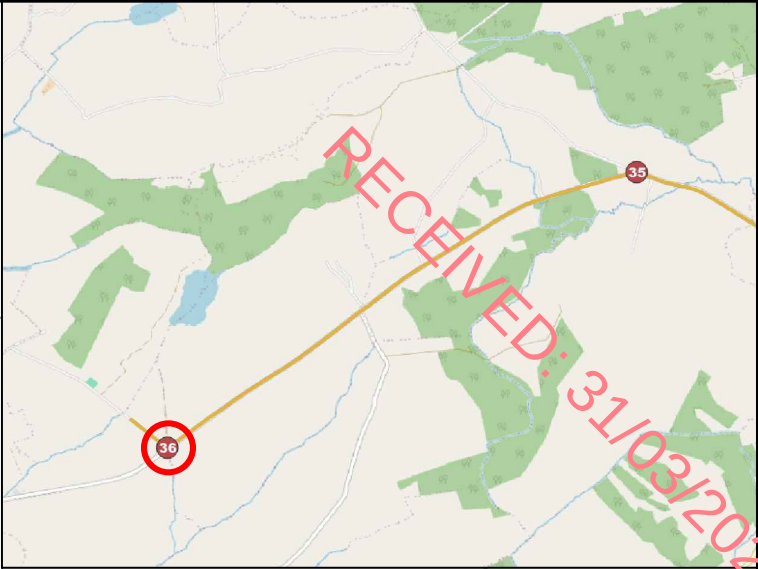
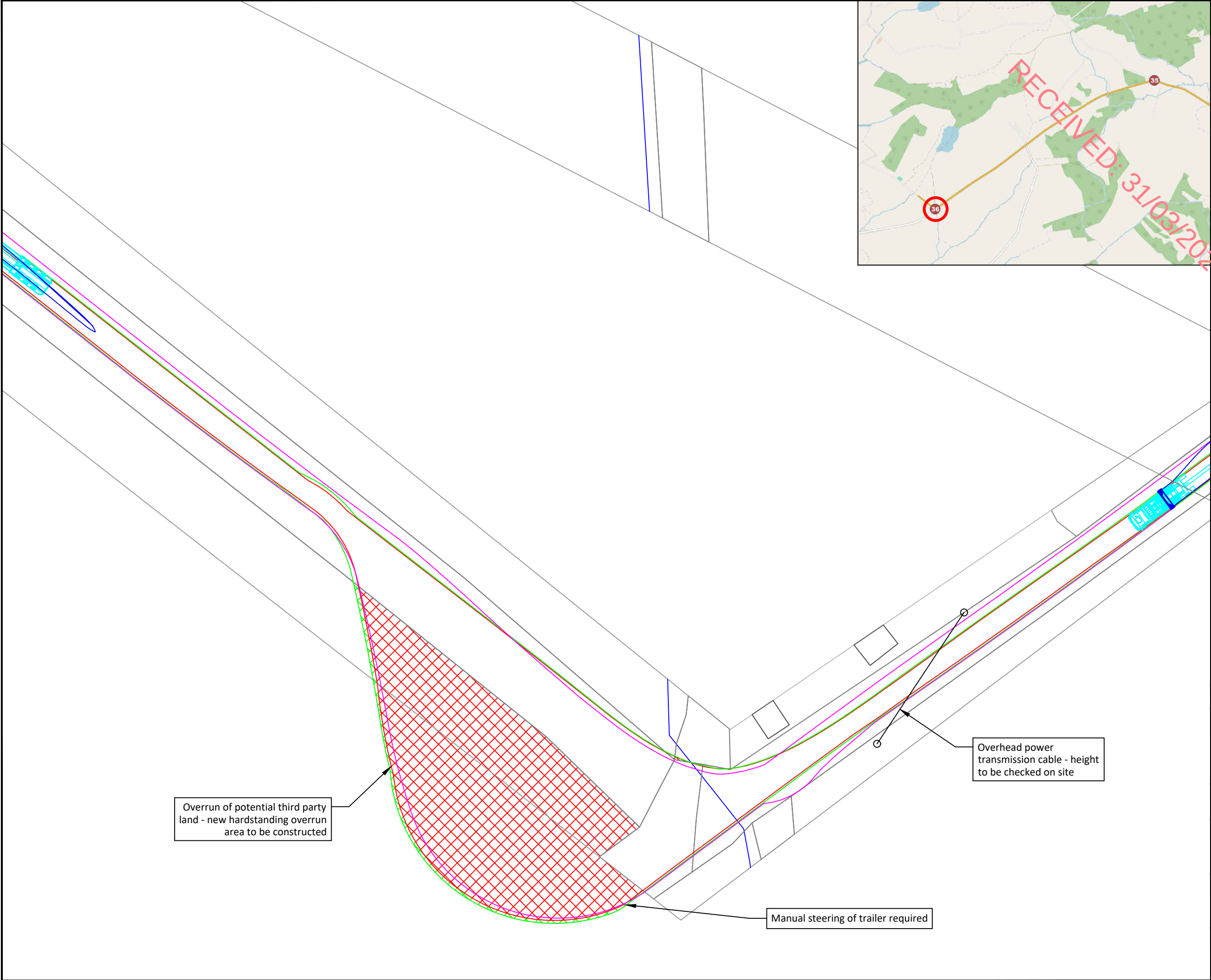
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Client
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Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 35

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:750
Drawing Status Information	Drawing Number GB01T23F60/I/SPA041	Rev. -



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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Project

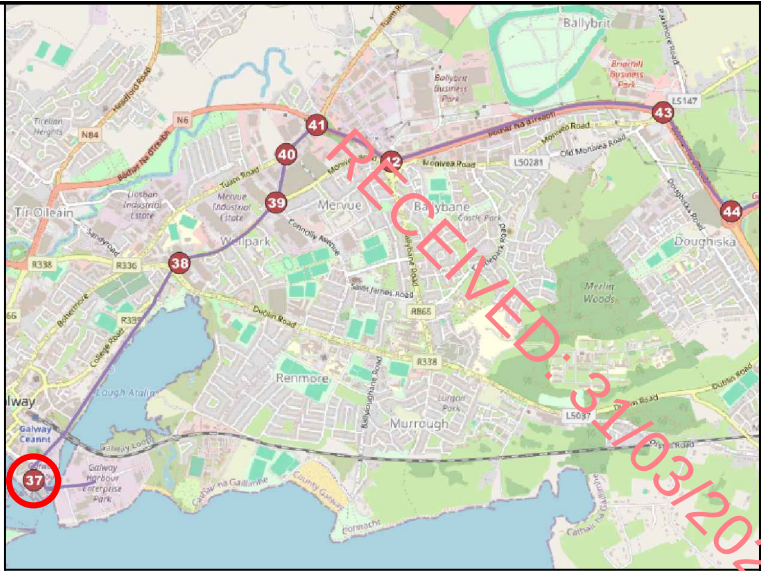
Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 36

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size	Date	Scale
A3	16/10/2024	1:500

Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/I/SPA042	-



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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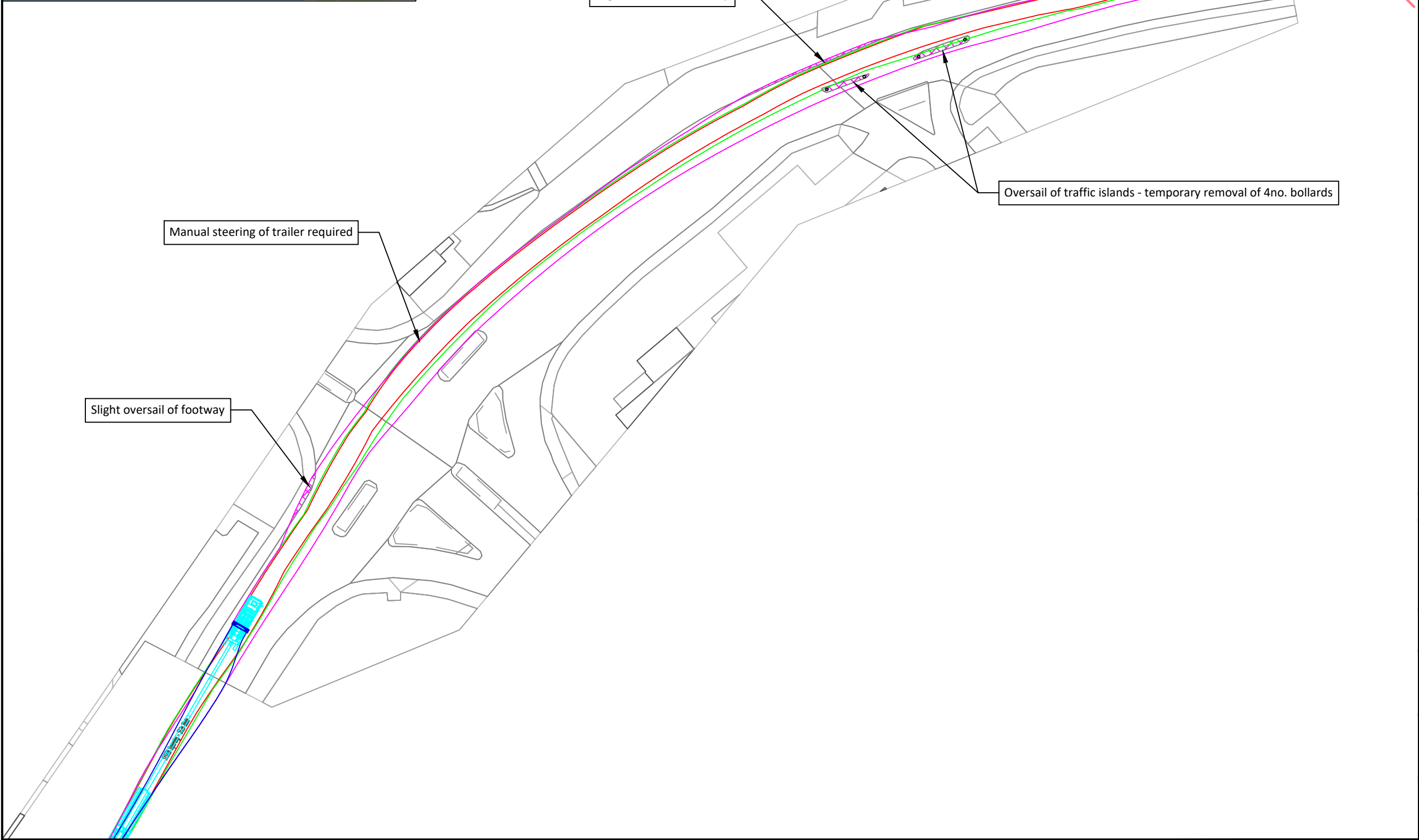
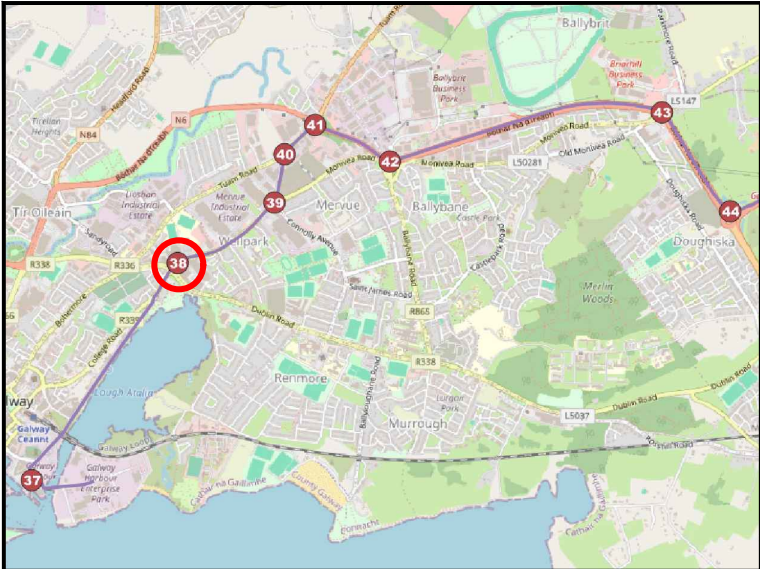
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 37

Drawn TF	Checked ADV	Approved ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:1000
Drawing Status Information	Drawing Number GB01T23F60/SPA043	Rev. -



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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Client

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Project

Illaunbaun Wind Farm
Swept Path Assessment

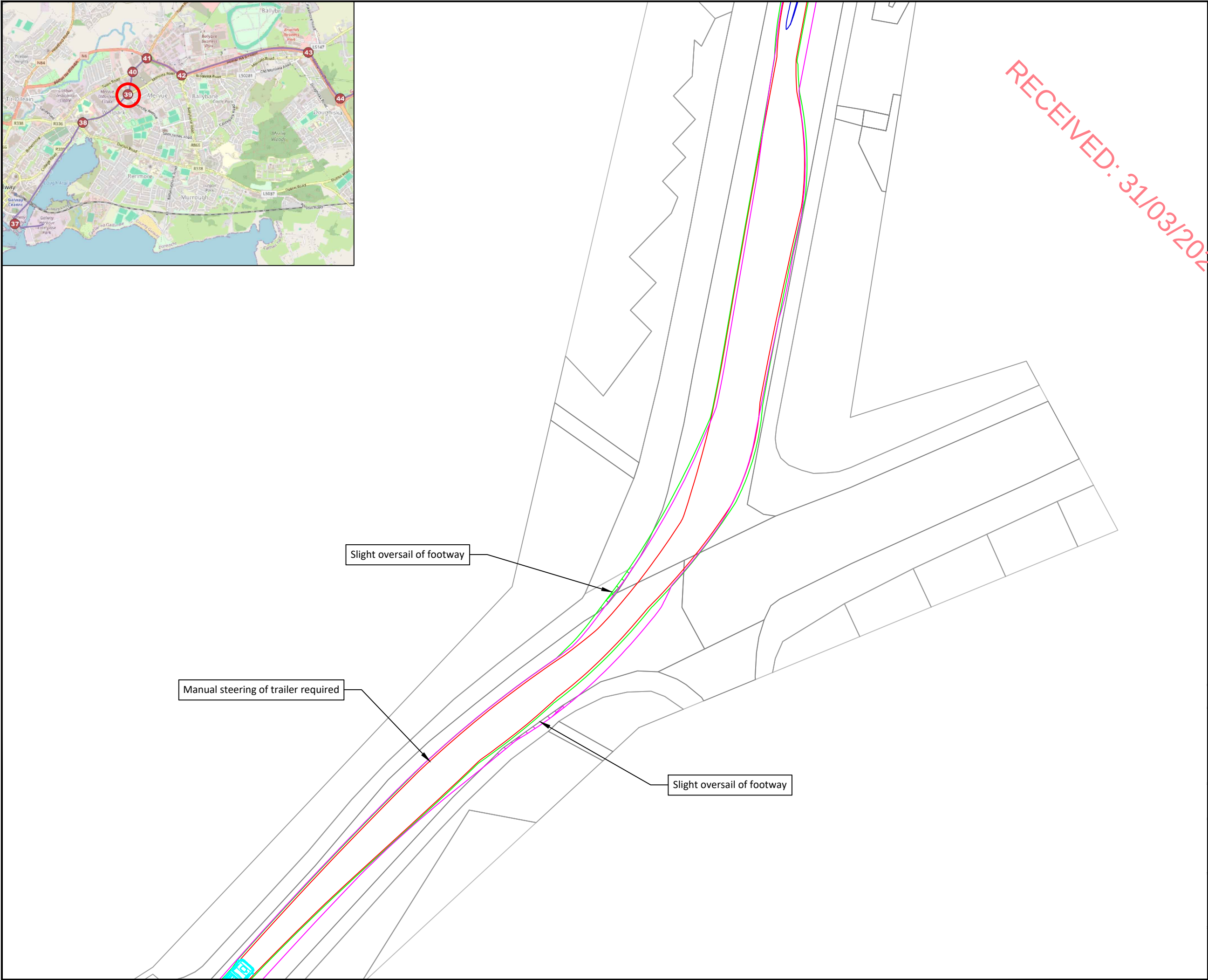
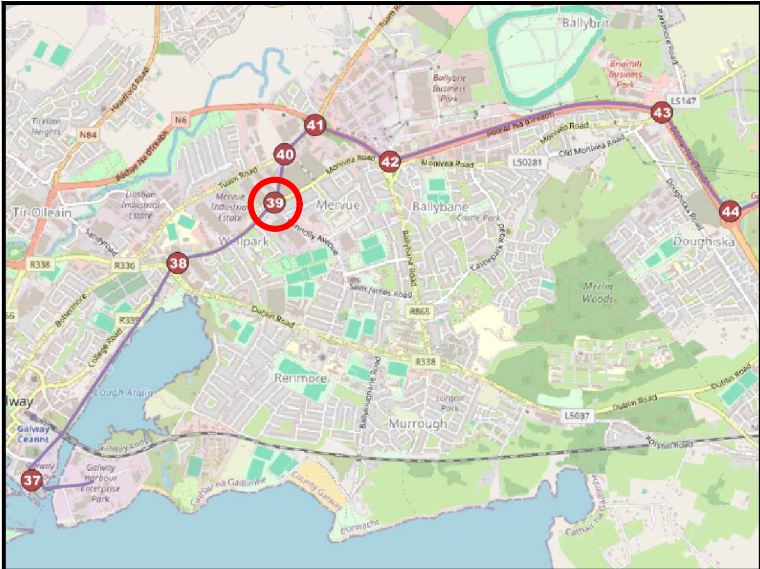
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 38

Drawn	TF	Checked	ADV	Approved	ADV
Original dtd. size	A3	Date	16/10/2024	Scale	1:750
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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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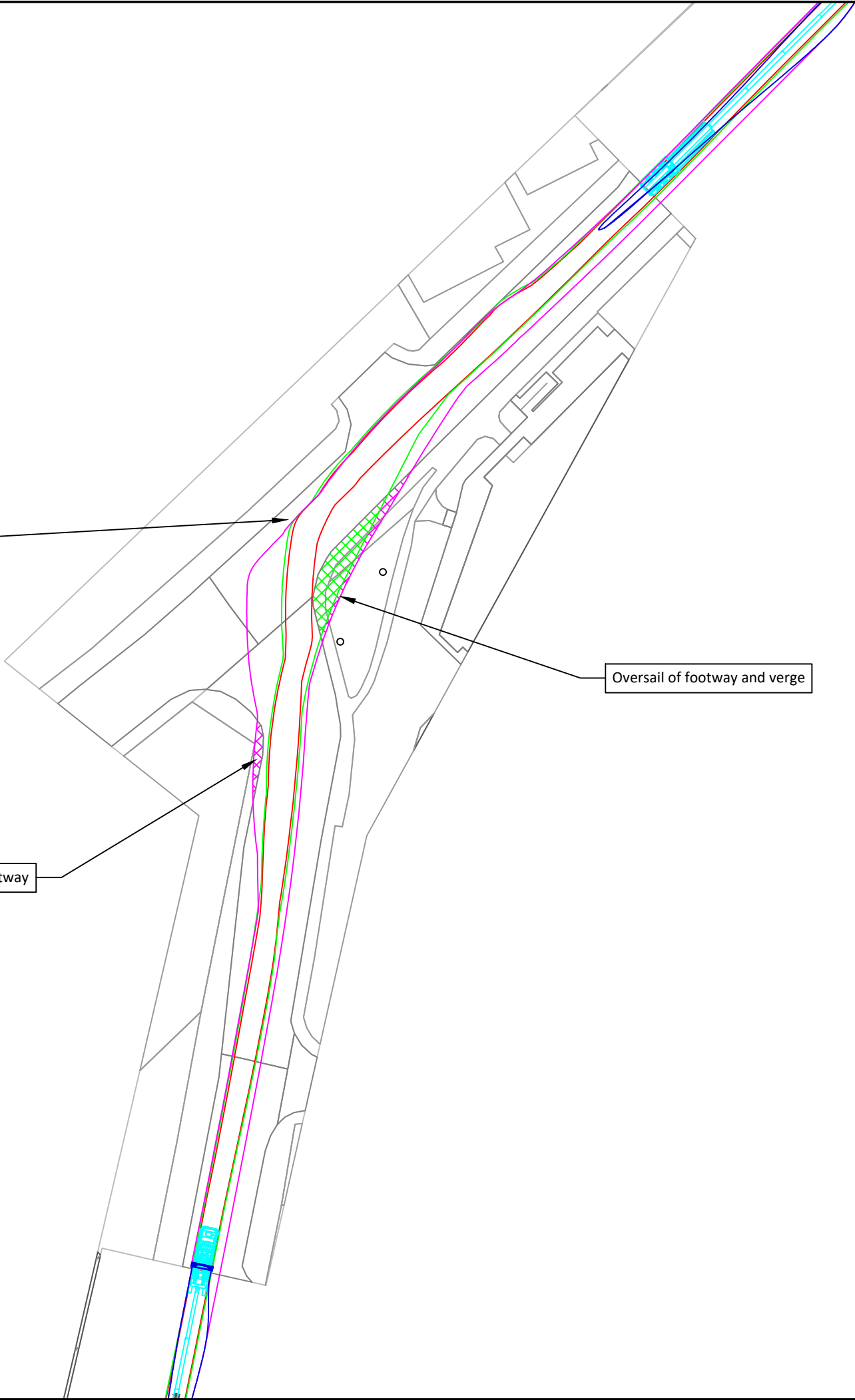
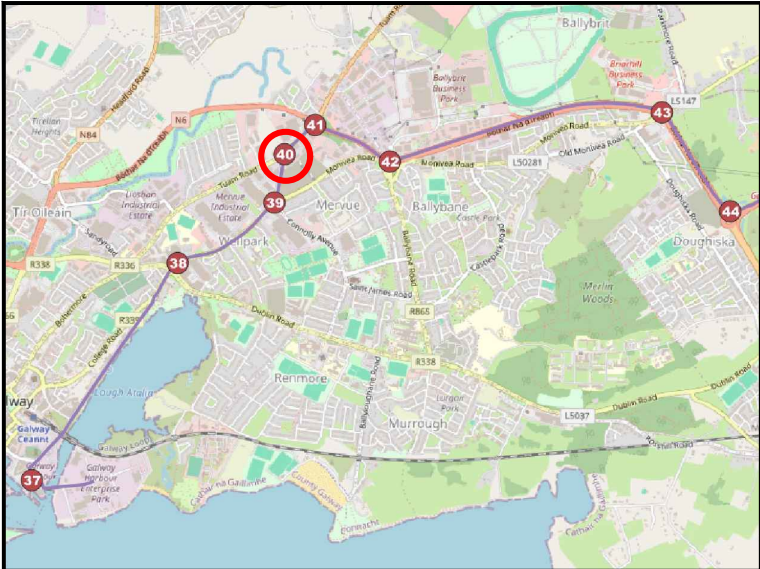
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 39

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:500
Drawing Status Information	Drawing Number GB01T23F60/I/SPA045	Rev. -



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Key:

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- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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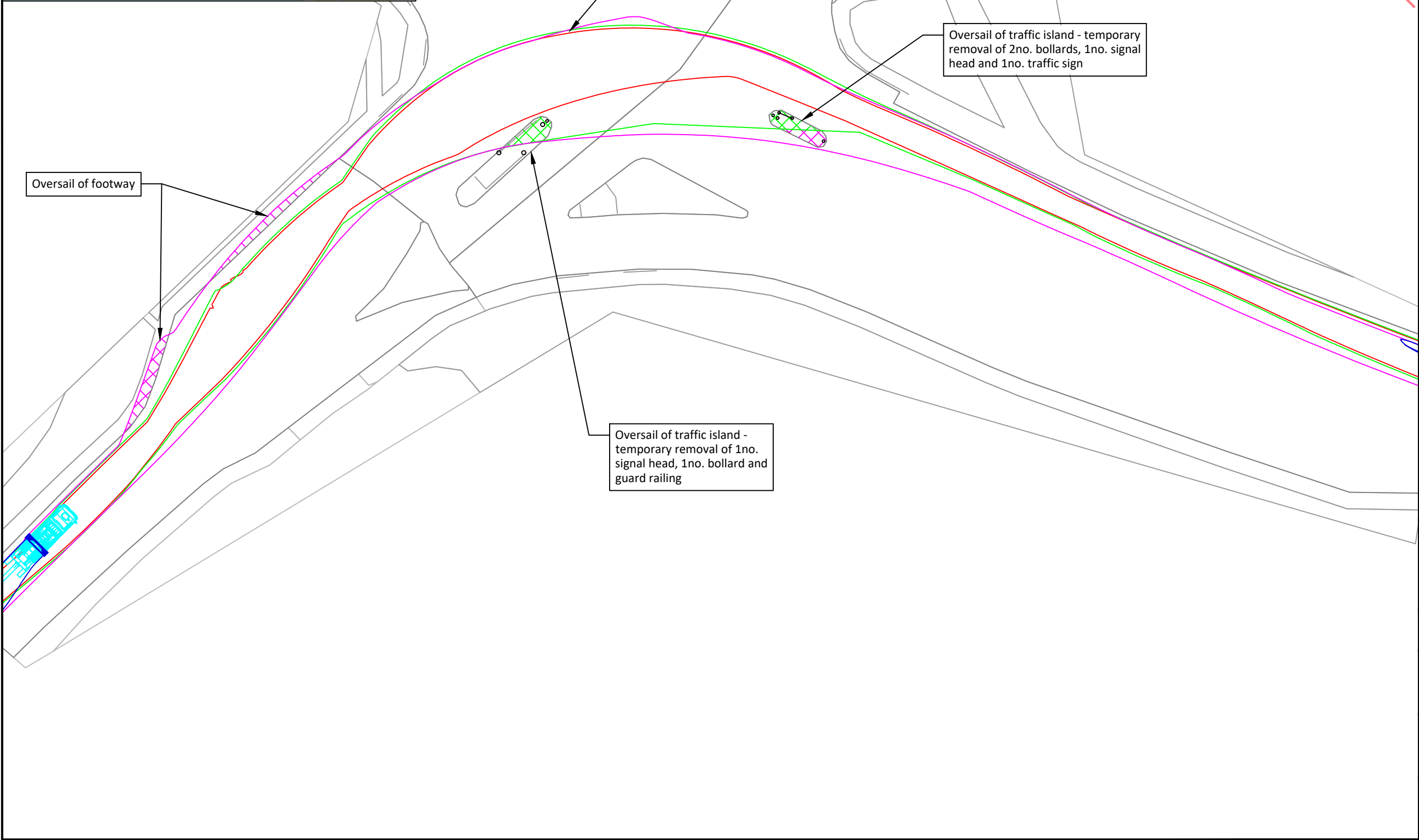
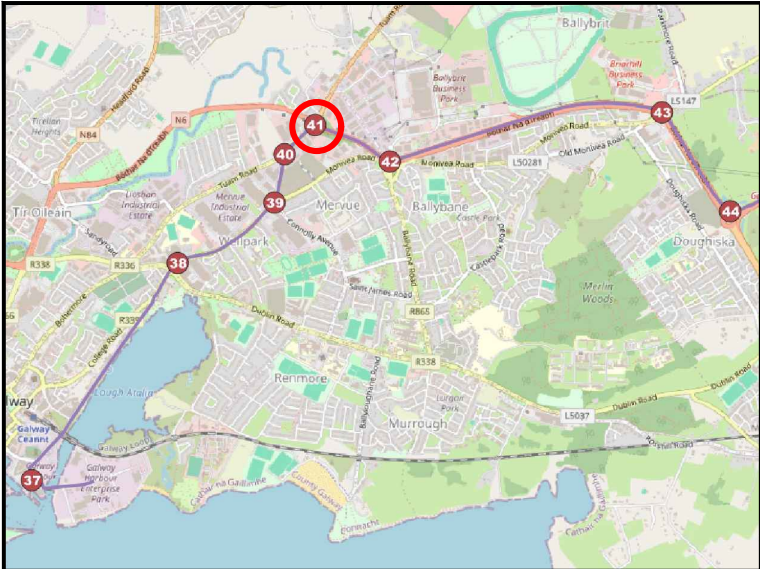
Project

Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 40

Drawn	TF	Checked	ADV	Approved	ADV
Original dwg. size	A3	Date	16/10/2024	Scale	1:750
Drawing Status	Information	Drawing Number	GB01T23F60/I/SPA046	Rev.	-



Notes:

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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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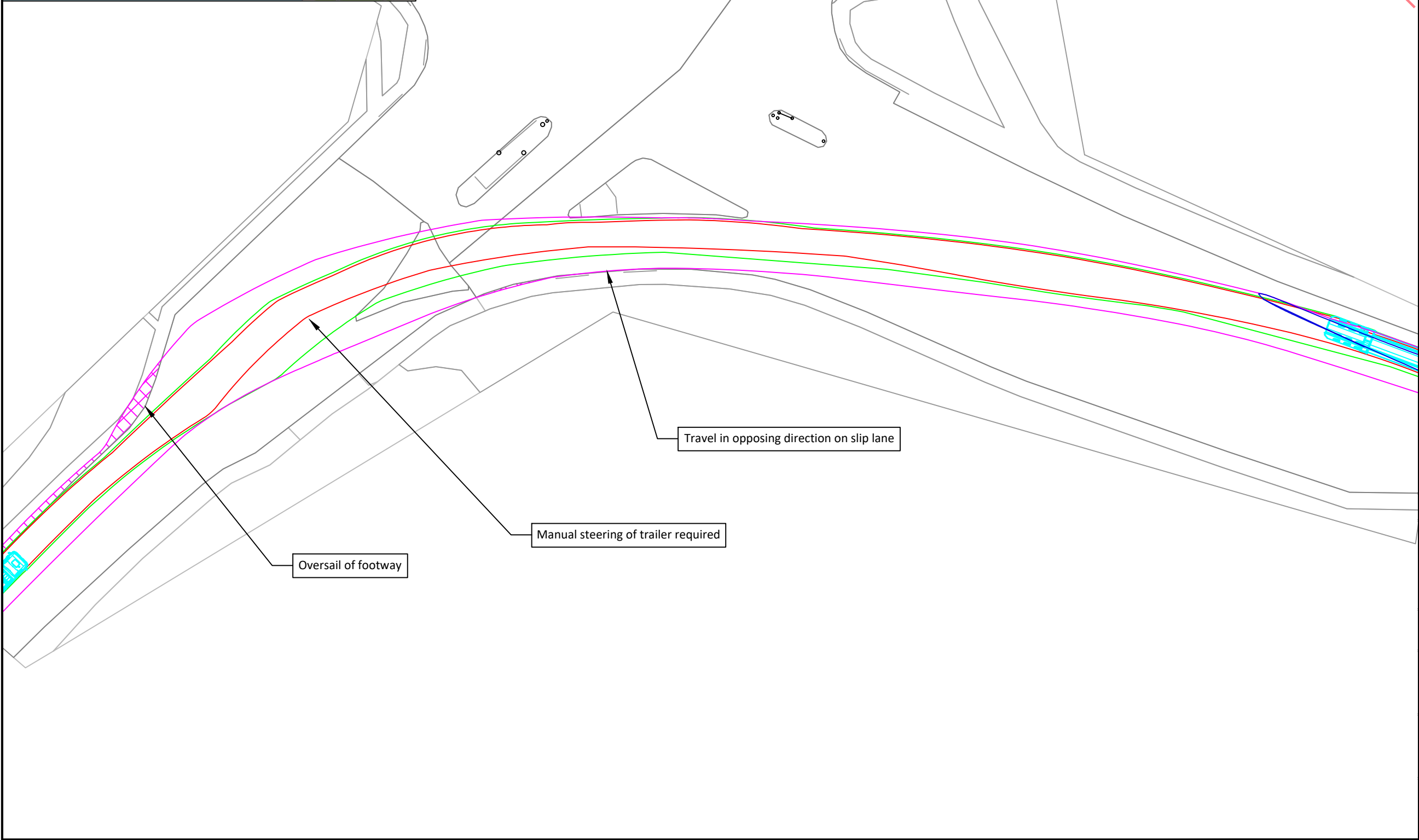
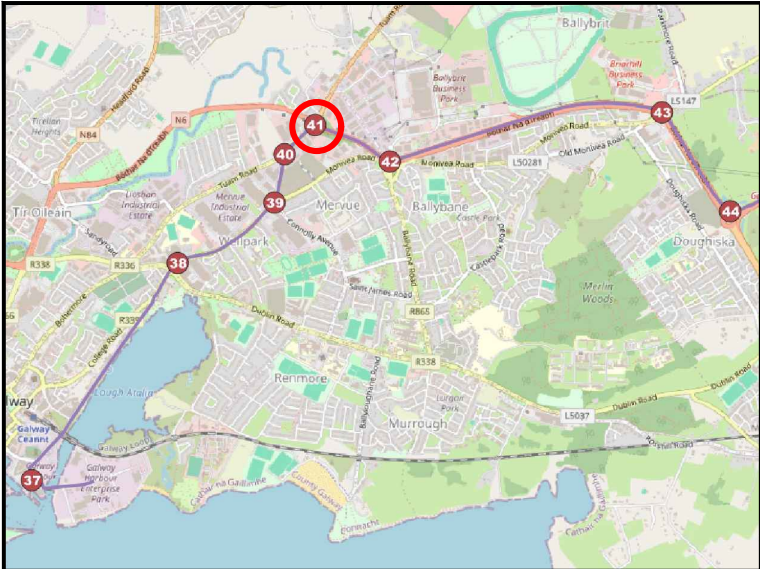
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 41

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size A3	Date 16/10/2024	Scale 1:500
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Notes:

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- Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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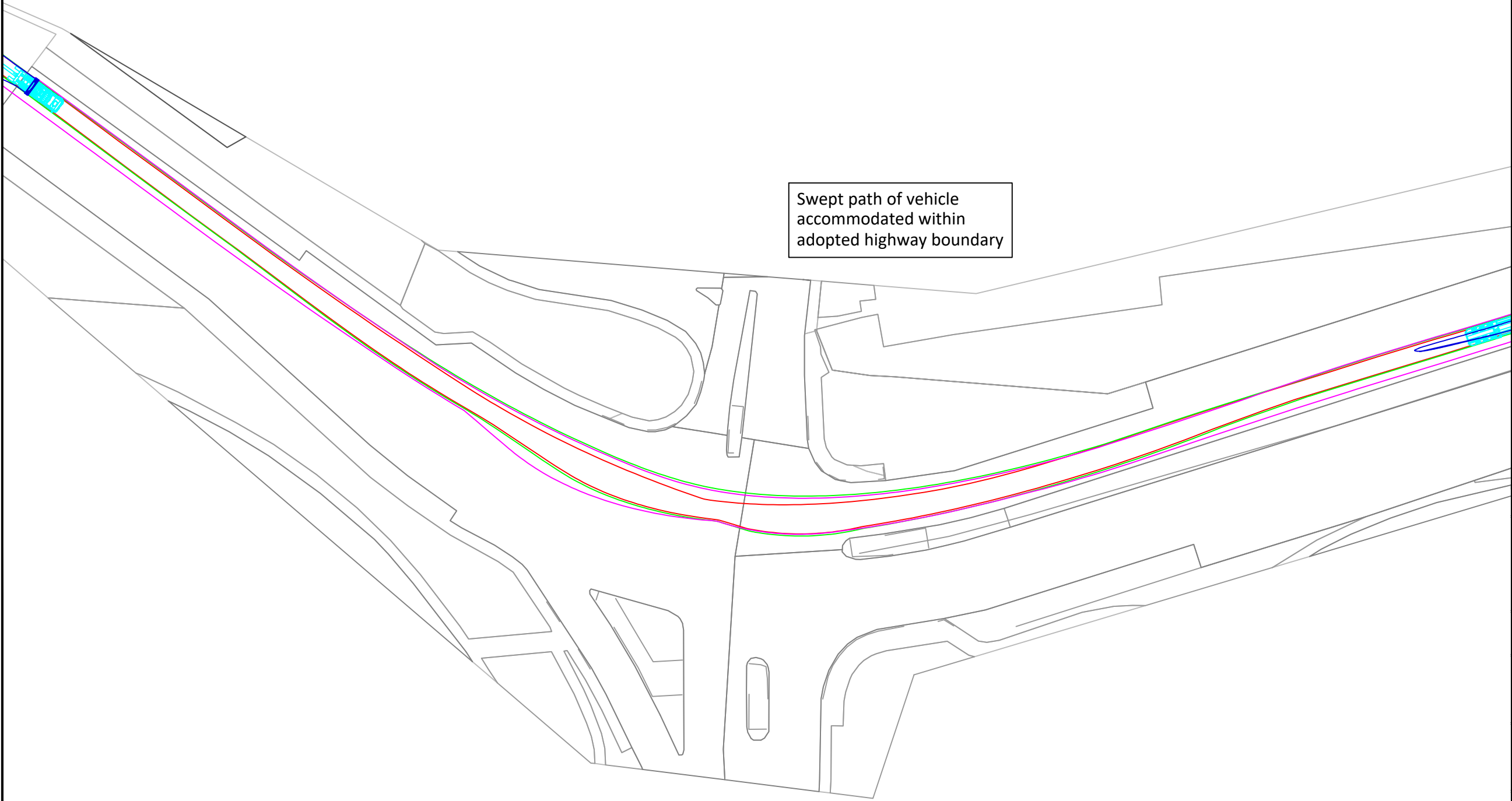
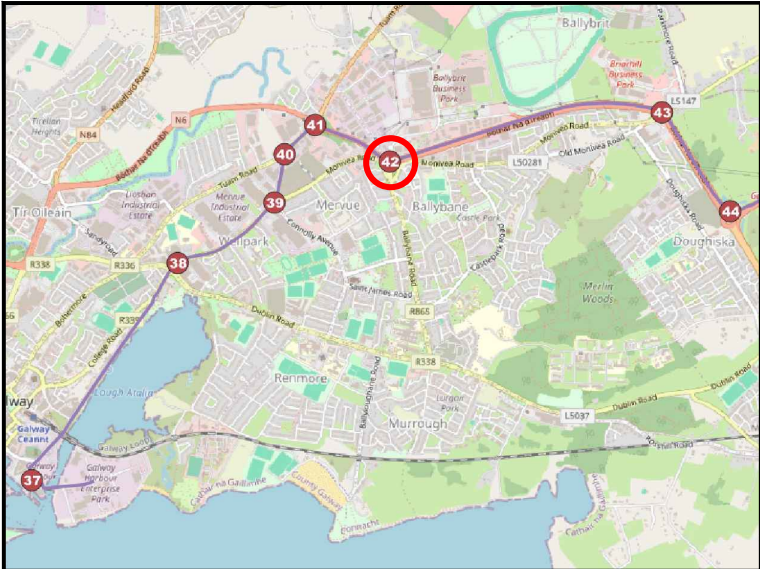
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 41
Alternative minimising oversail

Drawn	Checked	Approved
TF	ADV	ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:500
Drawing Status Information	Drawing Number GB01T23F60/I/SPA048	Rev. -



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Key:

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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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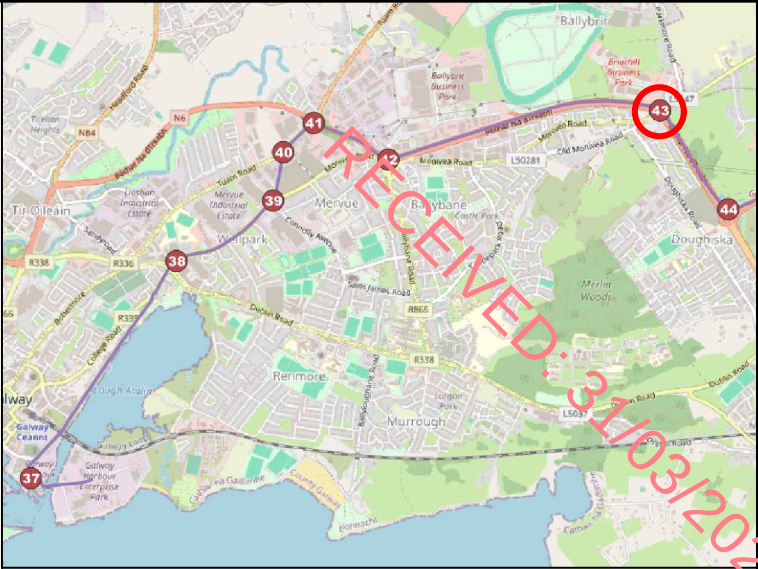
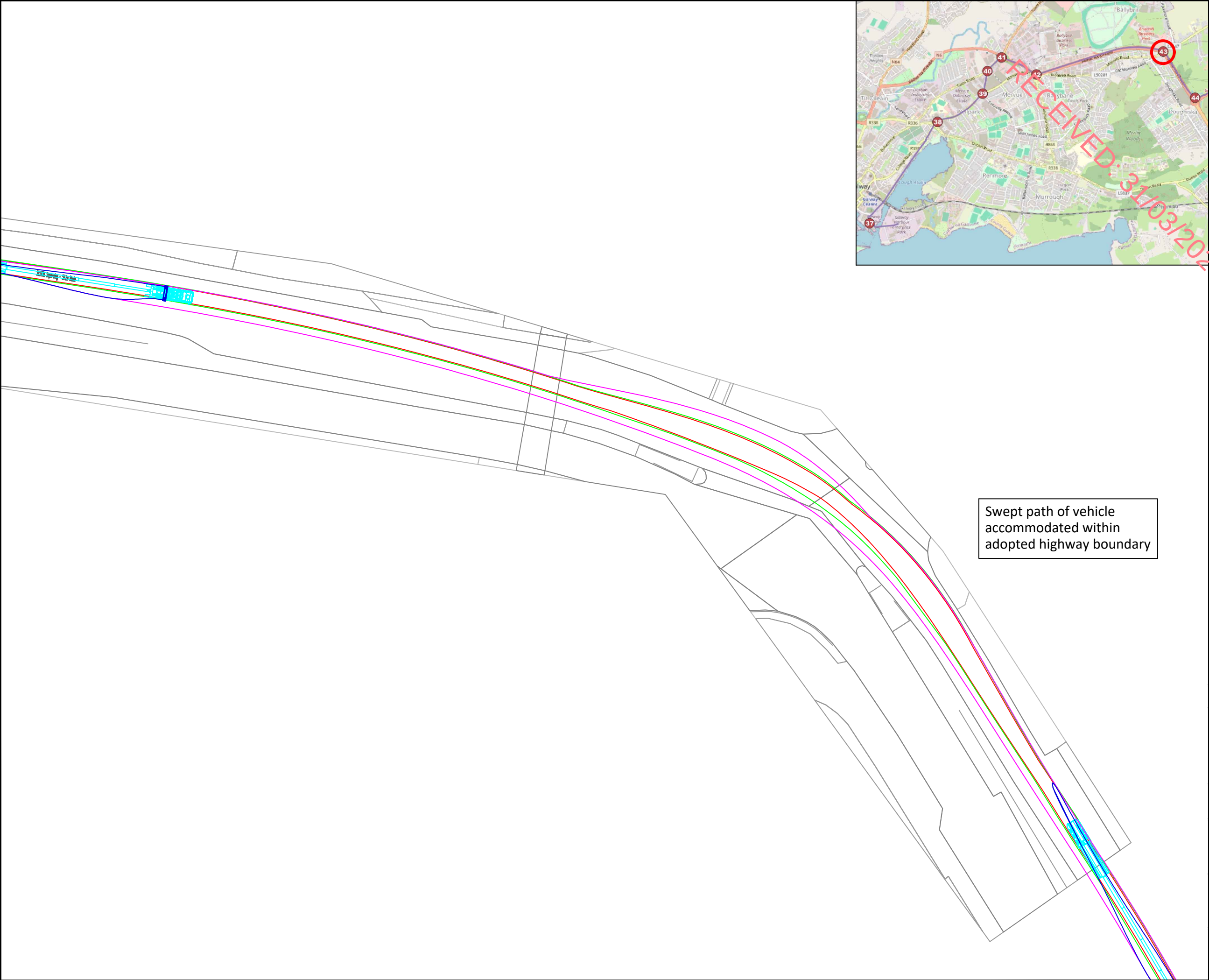
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 42

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Key:

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- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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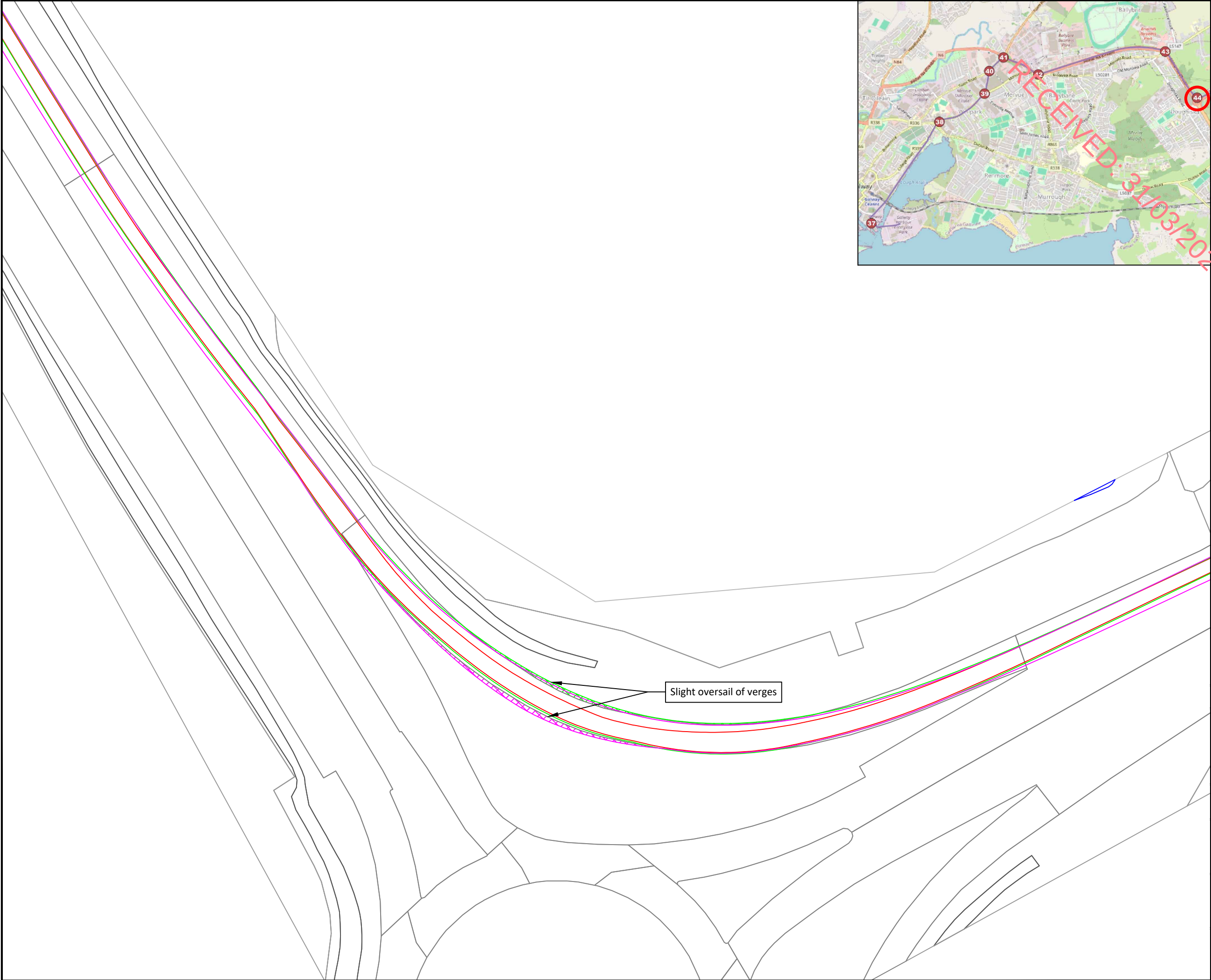
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 43

Drawn	TF	Checked	ADV	Approved	ADV
Original dtp. size	A3	Date	16/10/2024	Scale	1:750
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Key:

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- Blade Outline
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- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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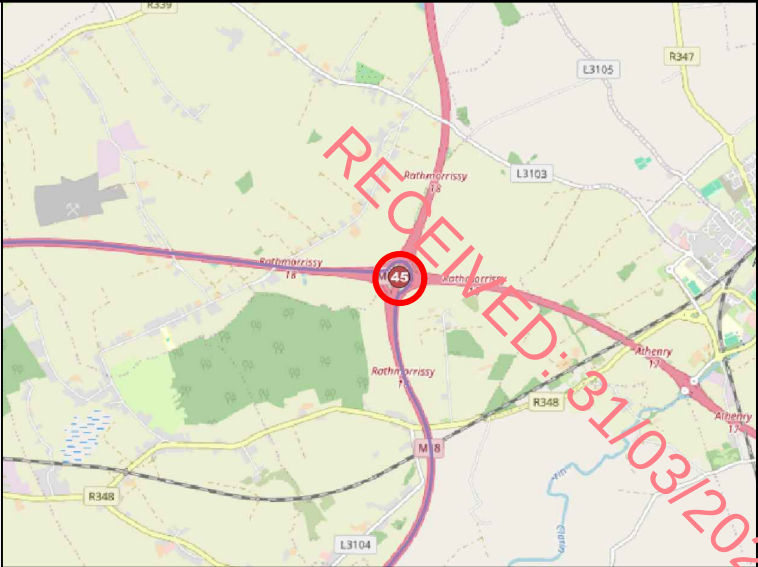
Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 44

Drawn	TF	Checked	ADV	Approved	ADV
Original dtp. size	A3	Date	16/10/2024	Scale	1:750
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Key:

- Blade Transporter Vehicle
- Blade Outline
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- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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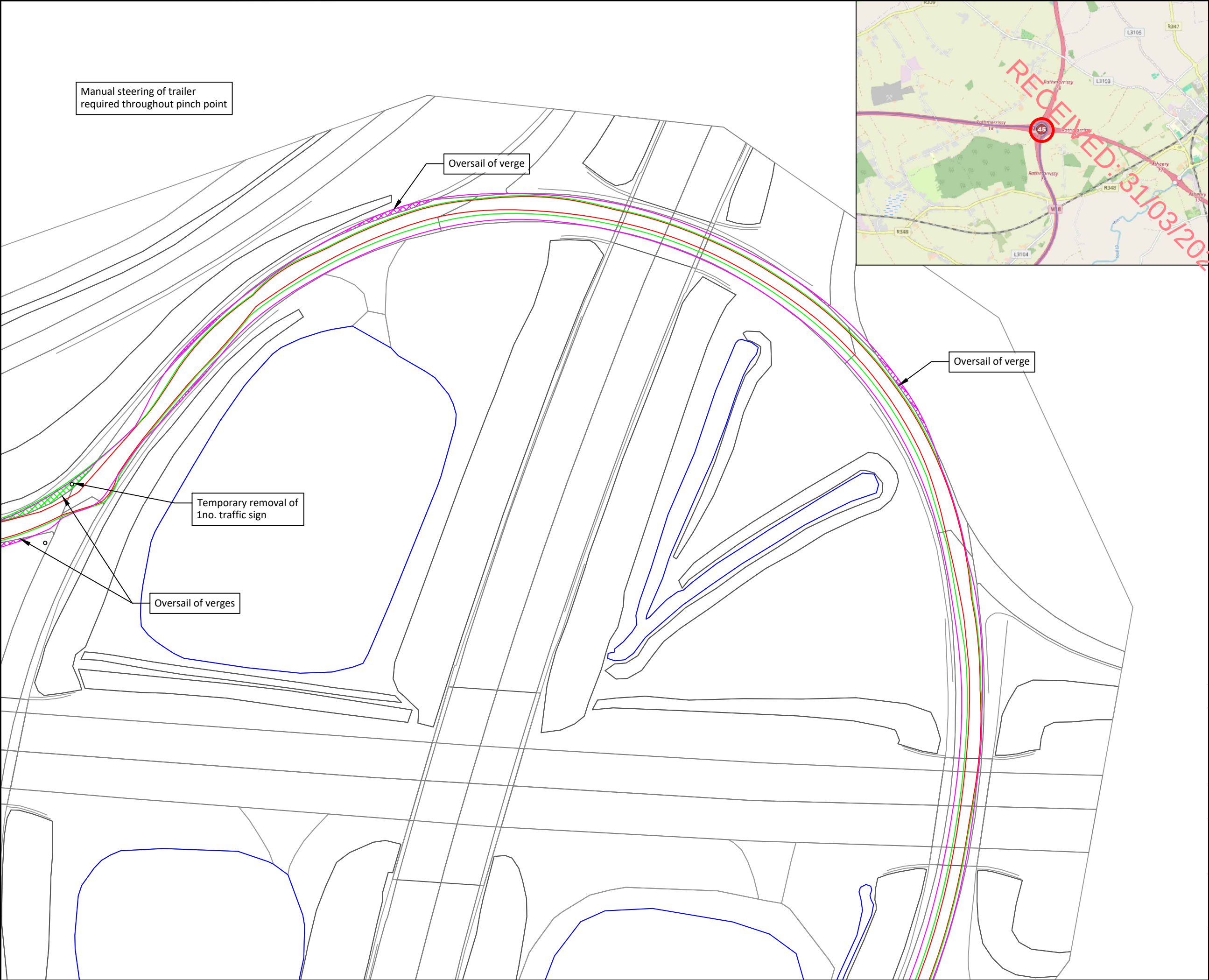
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 45
Sheet 1 of 4

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Key:

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- Blade Outline
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- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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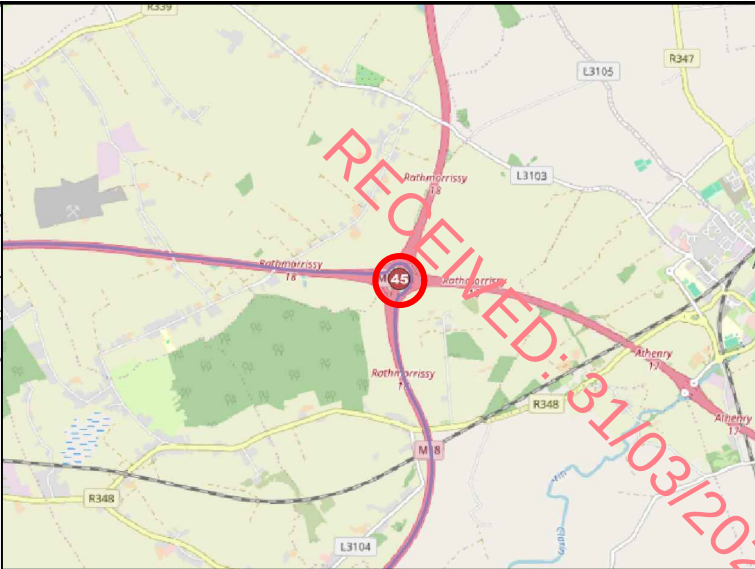
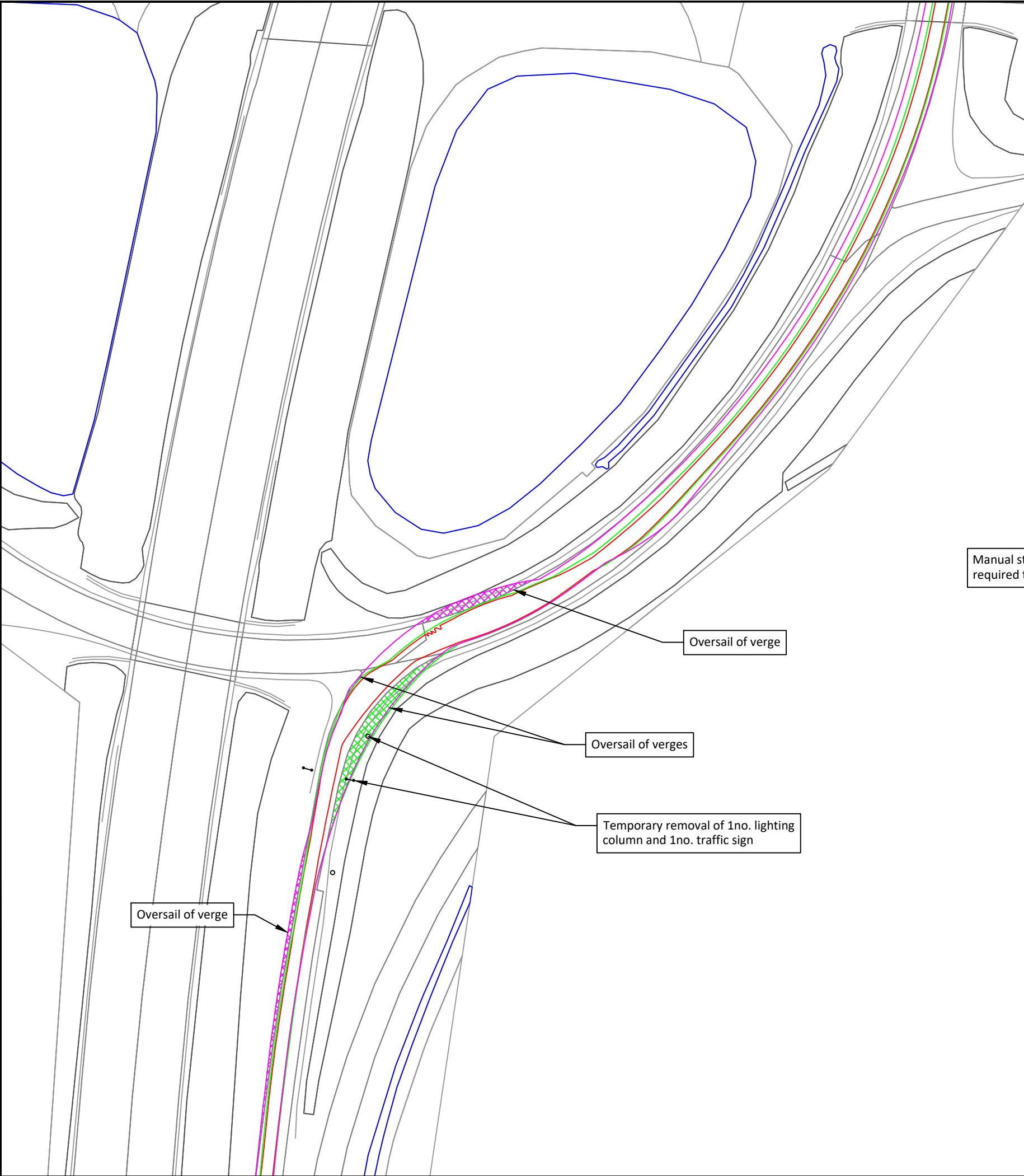
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Project
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Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 45
Sheet 2 of 4

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Key:

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- Blade Outline
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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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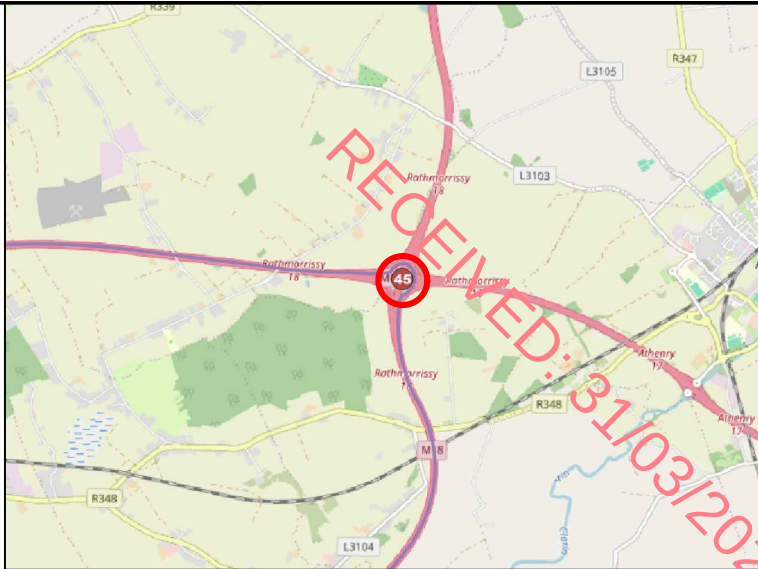
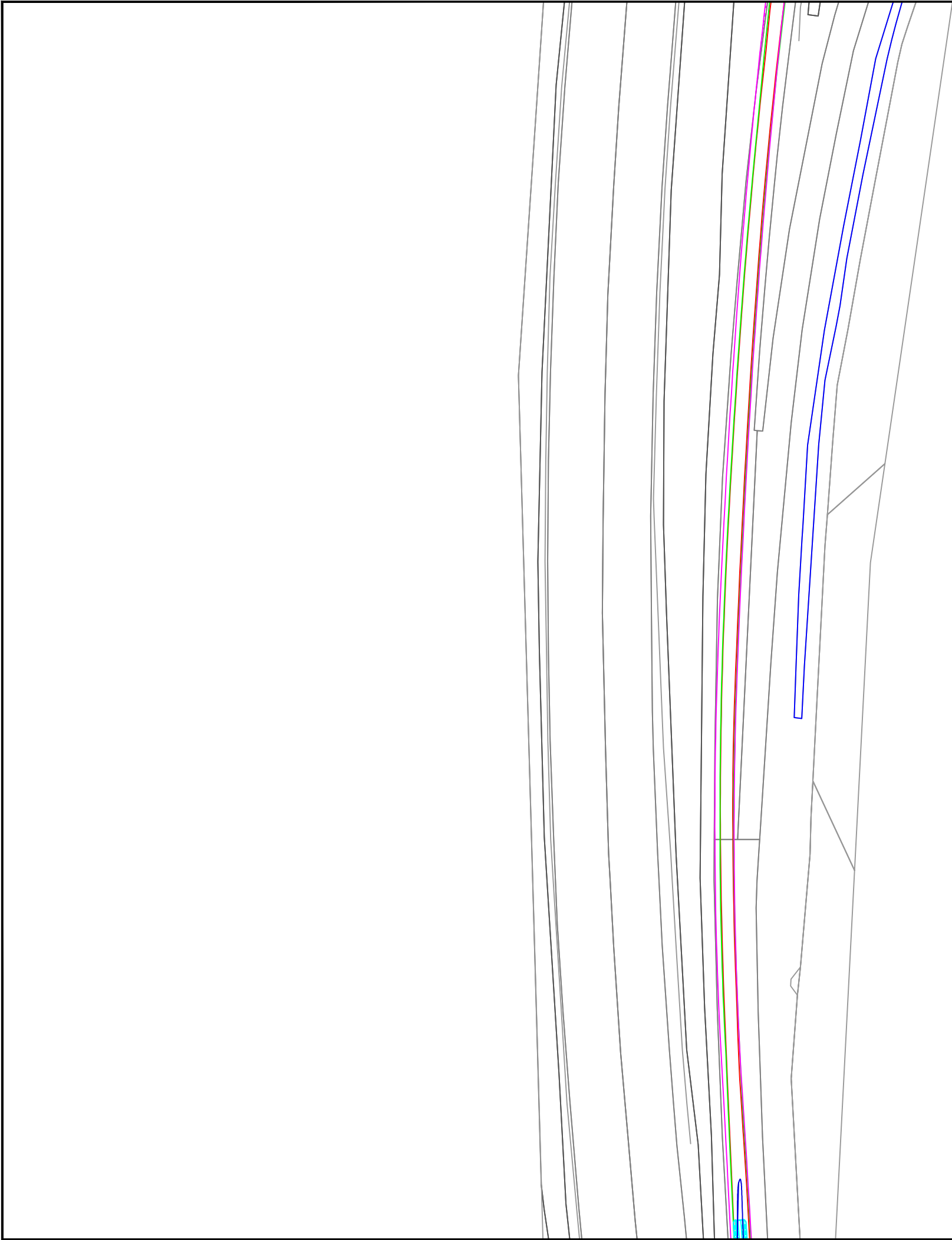
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 45
Sheet 3 of 4

Drawn	TF	Checked	ADV	Approved	ADV
Original dwg. size	A3	Date	16/10/2024	Scale	1:1000
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Key:

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- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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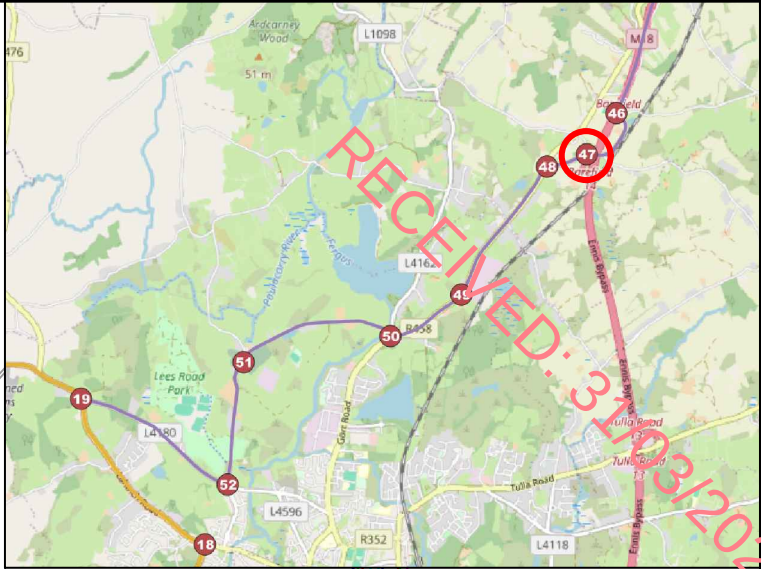
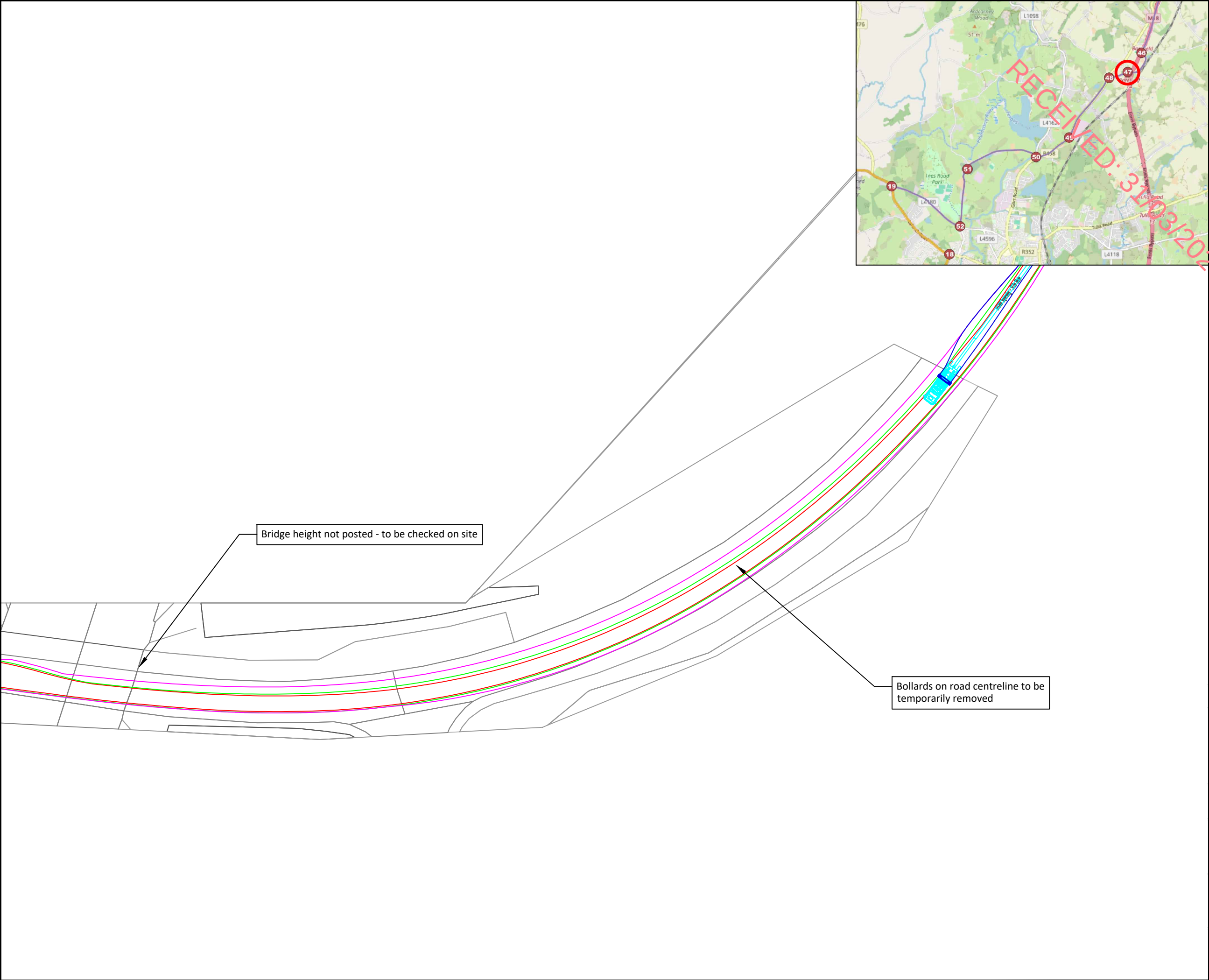
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 45
Sheet 4 of 4

Drawn	TF	Checked	ADV	Approved	ADV
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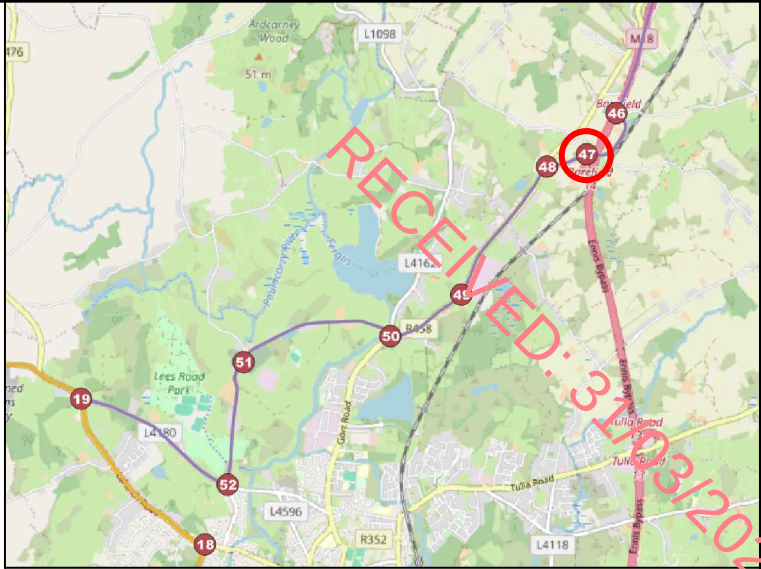
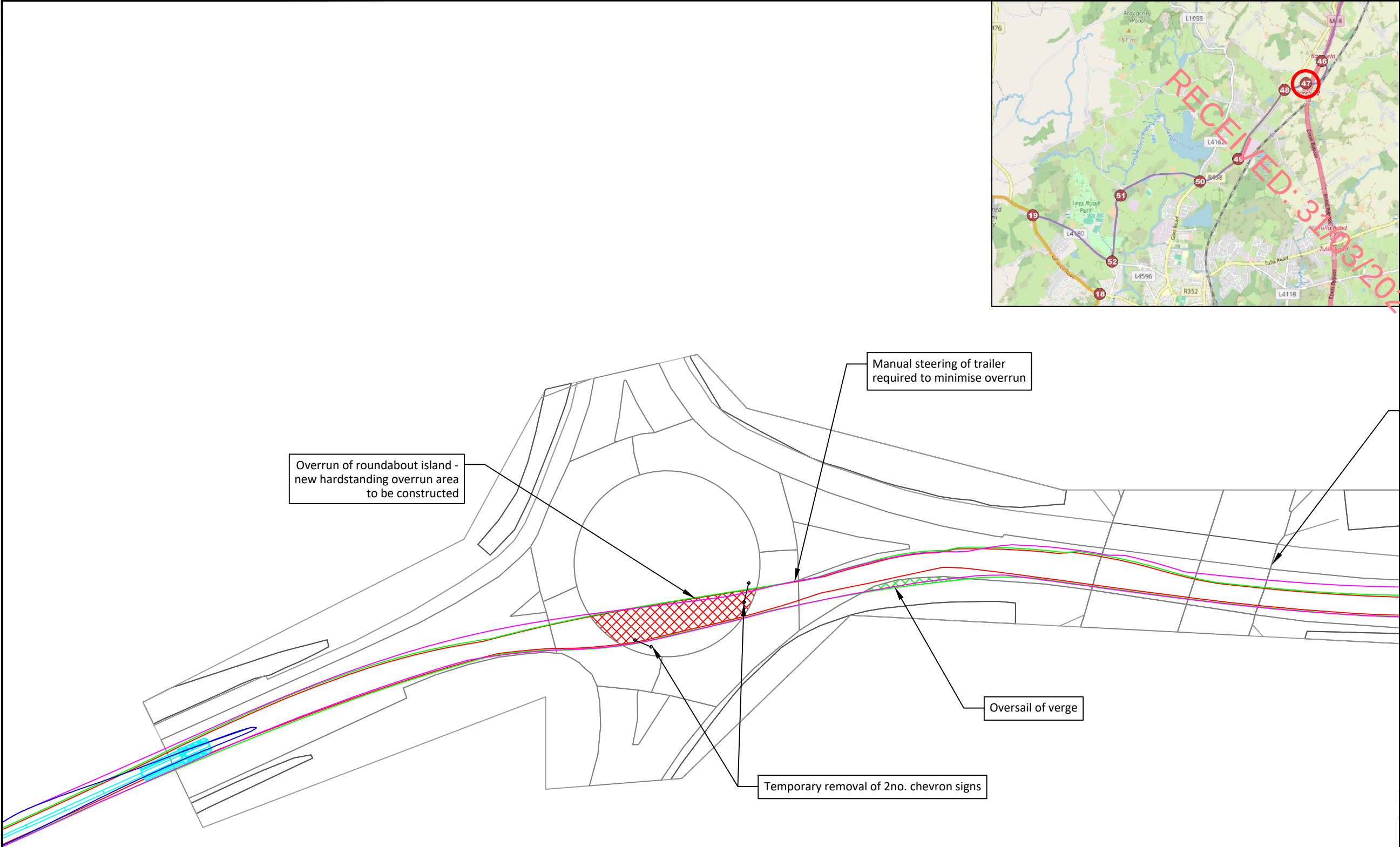
Notes:

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Key:

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- Blade Outline
- Over-run envelope of tractor and trailer wheels
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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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Client Gavin & Doherty Geosolutions					
Project Illaunbaun Wind Farm Swept Path Assessment					
Title Super Wing Blade Carrier Vestas V117 - 57.2m Blade Pinch Point 47 Sheet 1 of 2					
Drawn TF		Checked ADV		Approved ADV	
Original dtp. size A3		Date 16/10/2024		Scale 1:750	
Drawing Status Information		Drawing Number GB01T23F60//SPA057		Rev. -	



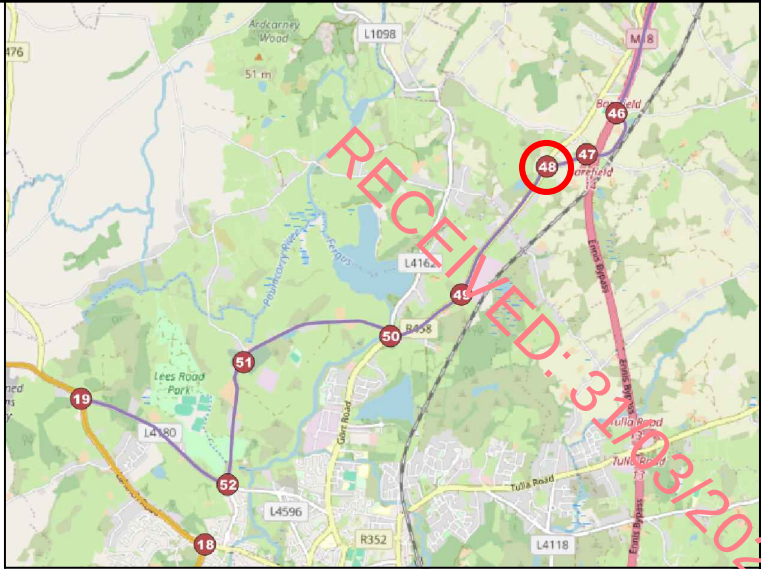
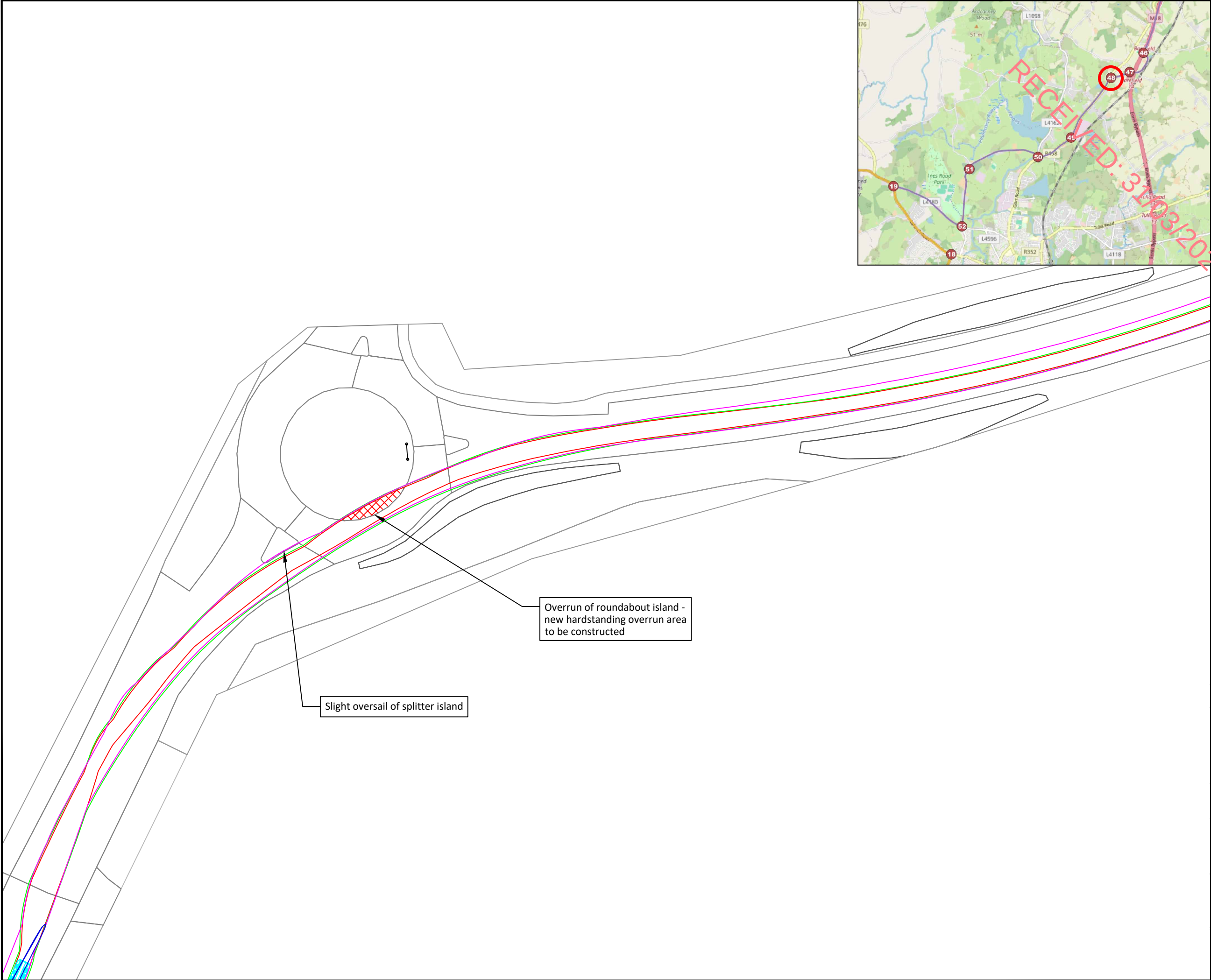
Notes:

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Key:

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- Blade Outline
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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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Project Illaunbaun Wind Farm Swept Path Assessment					
Title Super Wing Blade Carrier Vestas V117 - 57.2m Blade Pinch Point 47 Sheet 2 of 2					
Drawn TF		Checked ADV		Approved ADV	
Original dwg. size A3		Date 16/10/2024		Scale 1:750	
Drawing Status Information		Drawing Number GB01T23F60/II/SPA058		Rev. -	



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Key:

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- Blade Outline
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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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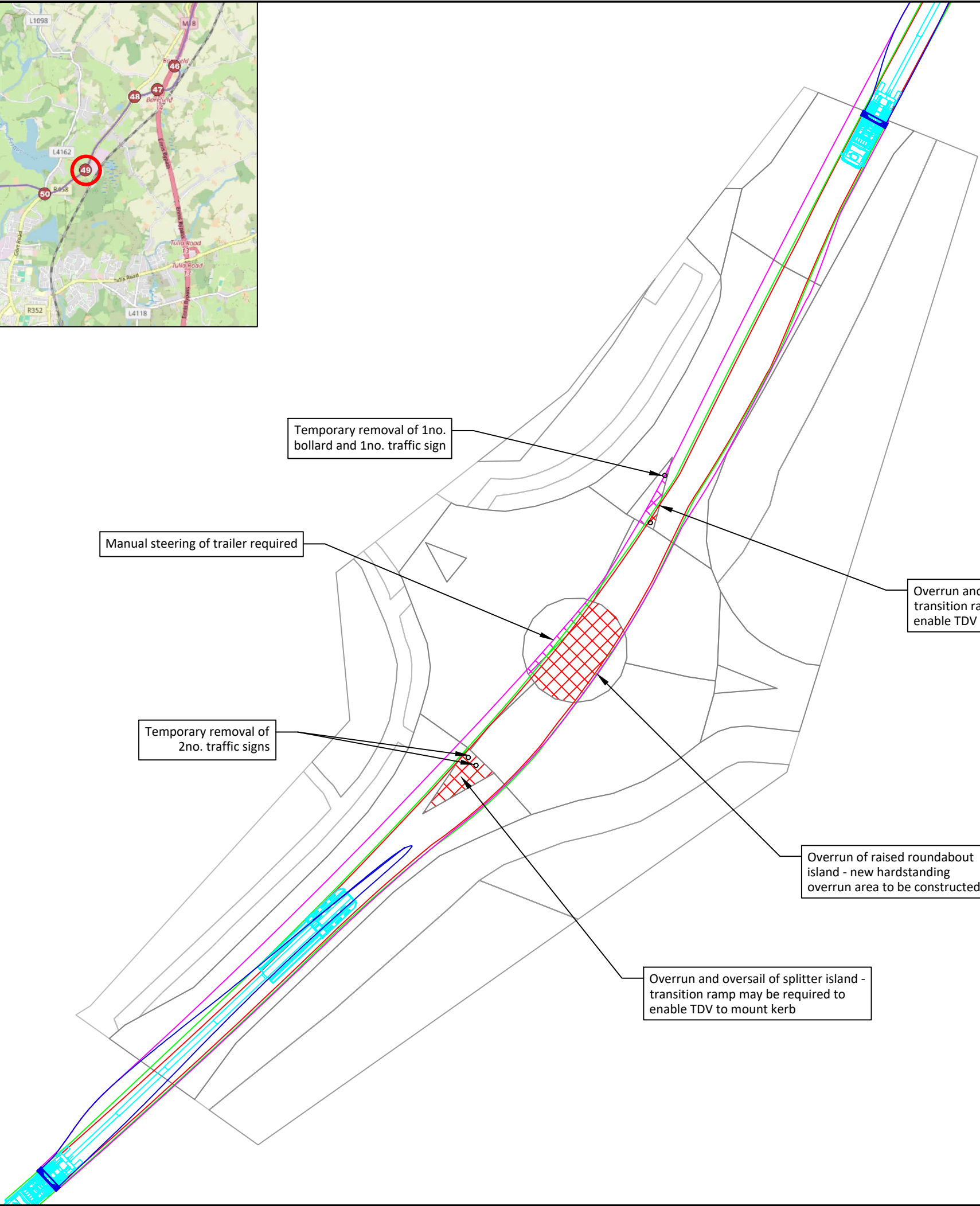
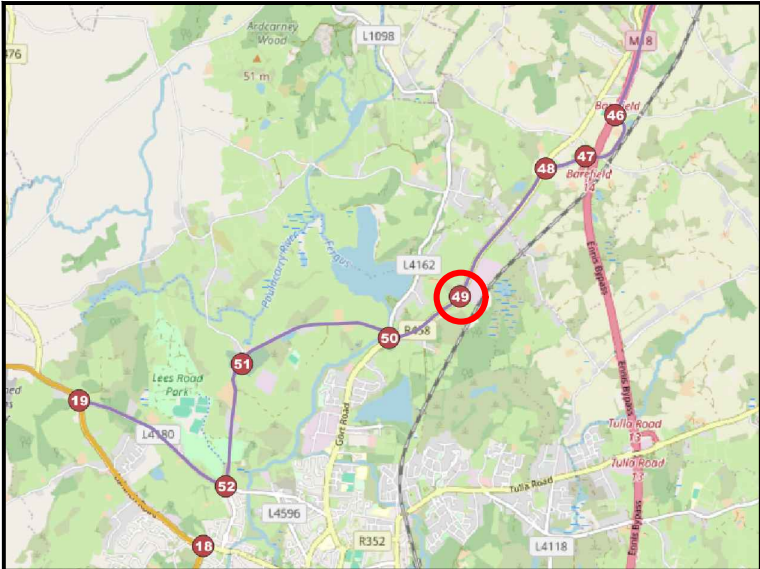
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Project
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Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 48

Drawn	Checked	Approved
TF	ADV	ADV
Original dtd. size	Date	Scale
A3	16/10/2024	1:750
Drawing Status	Drawing Number	Rev.
Information	GB01T23F60//SPA059	-



Temporary removal of 1no. bollard and 1no. traffic sign

Manual steering of trailer required

Temporary removal of 2no. traffic signs

Overrun and oversail of splitter island - transition ramp may be required to enable TDV to mount kerb

Overrun of raised roundabout island - new hardstanding overrun area to be constructed

Overrun and oversail of splitter island - transition ramp may be required to enable TDV to mount kerb

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- Key:
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 - Blade Outline
 - Over-run envelope of tractor and trailer wheels
 - Over-sail envelope being swept by tractor and trailer bed
 - Over-sail envelope being swept by blade path
 - Over-run area of tractor and trailer wheels out with carriageway
 - Over-sail area of tractor and trailer bed out with carriageway
 - Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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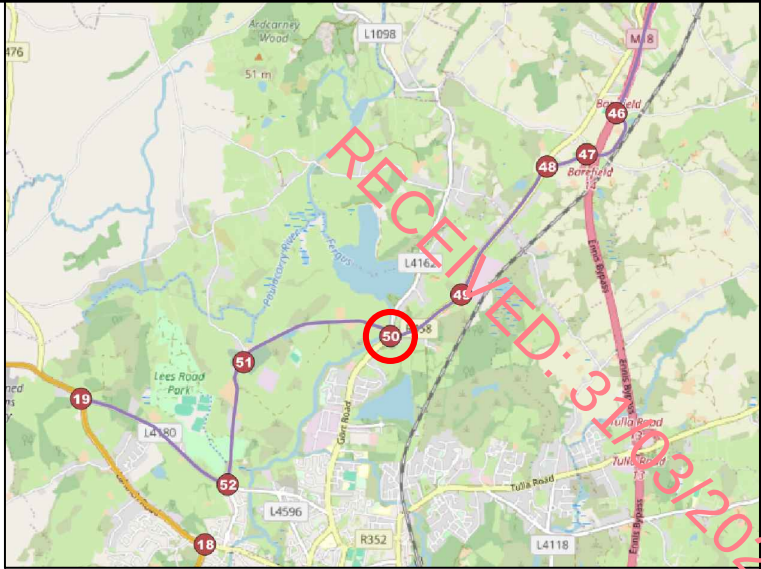
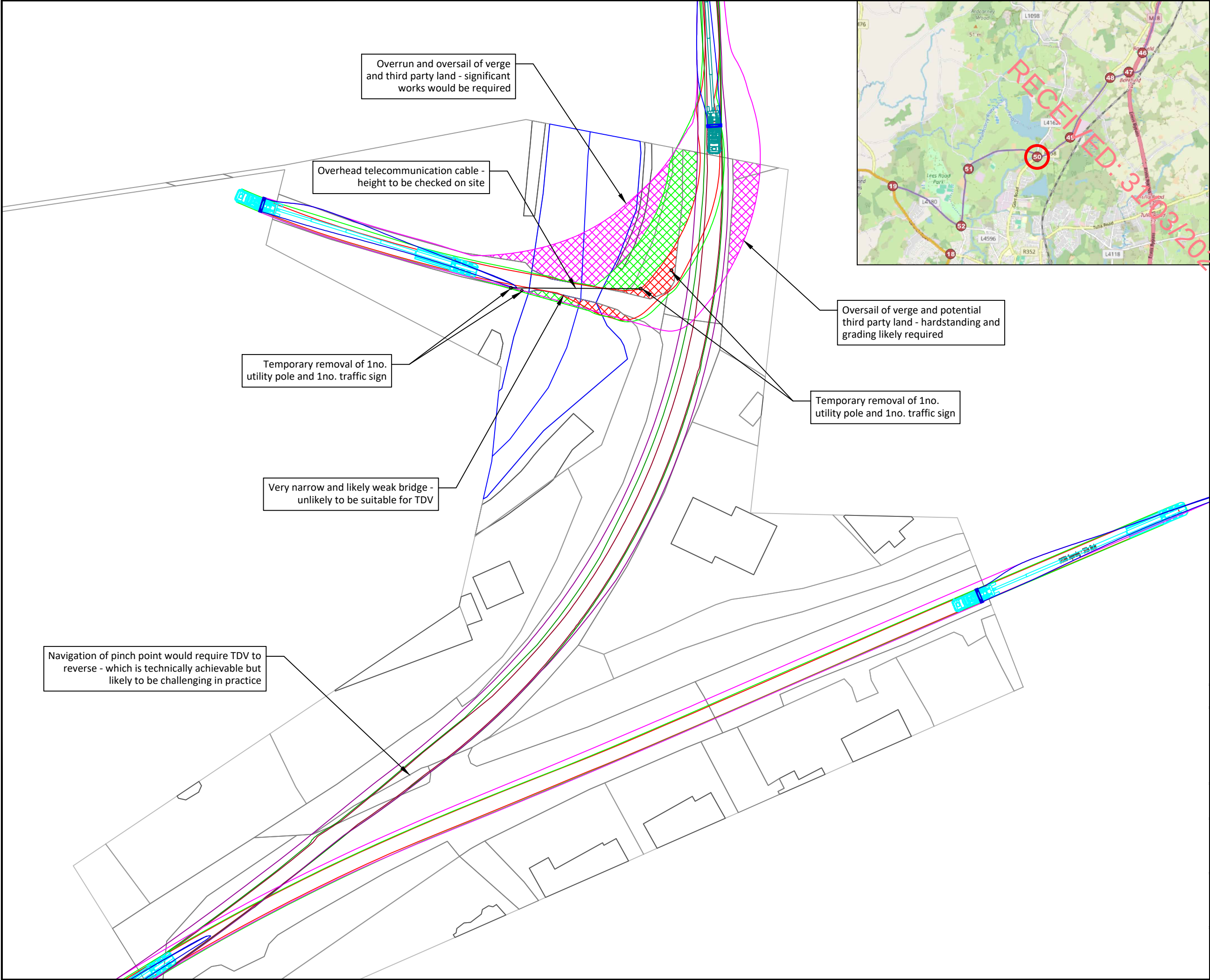
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Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 49

Drawn TF	Checked ADV	Approved ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:500
Drawing Status Information	Drawing Number GB01T23F60/I/SPA060	Rev. -



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- Blade Outline
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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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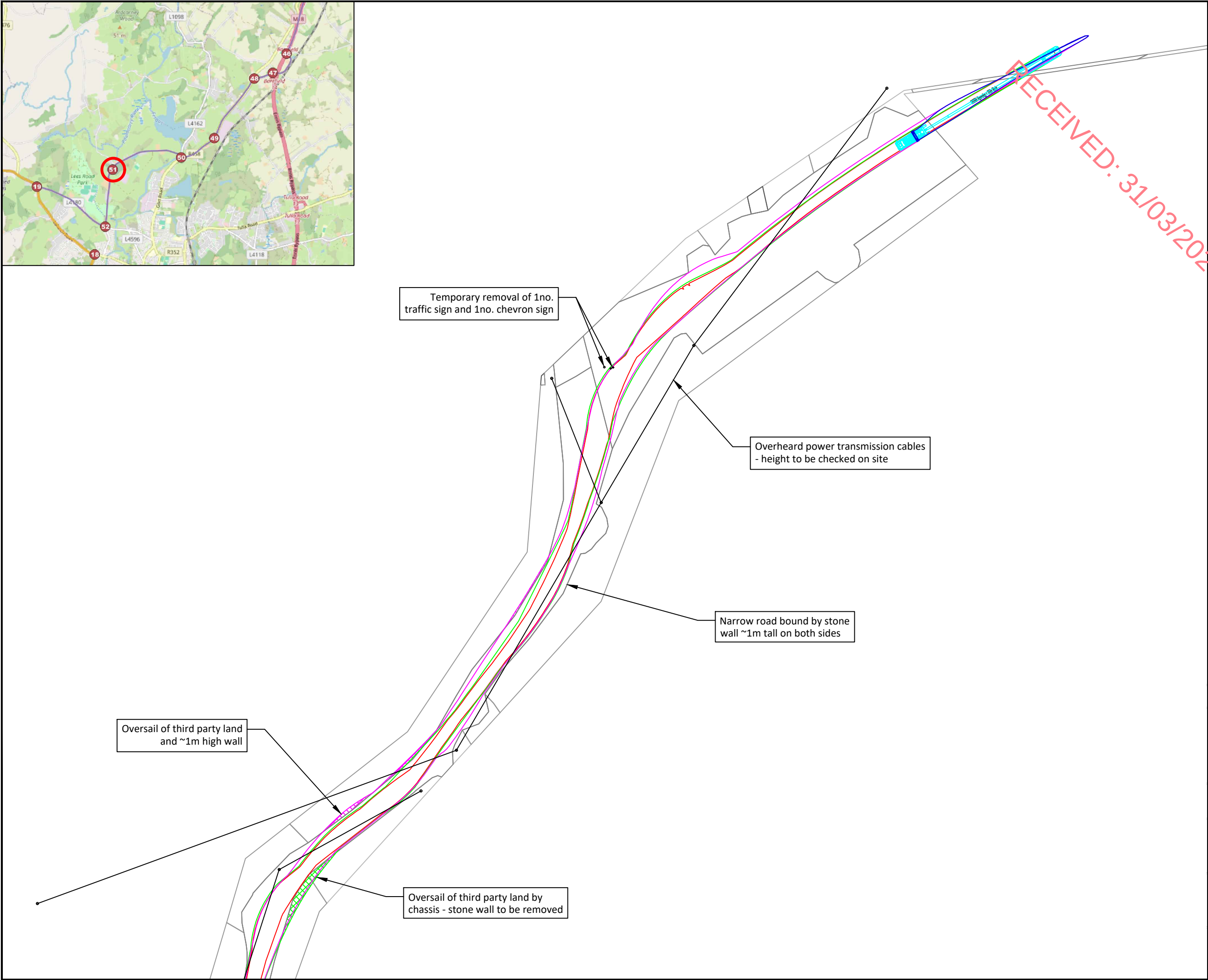
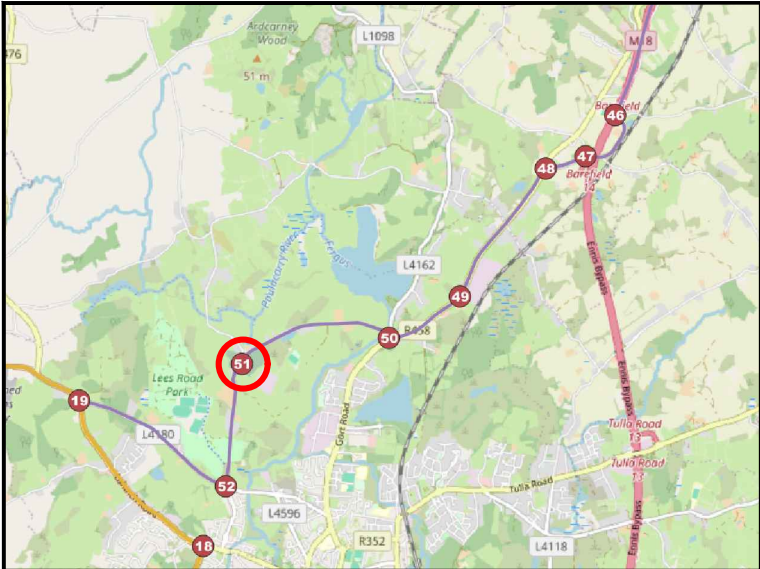
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Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 50

Drawn	Checked	Approved
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- Blade Outline
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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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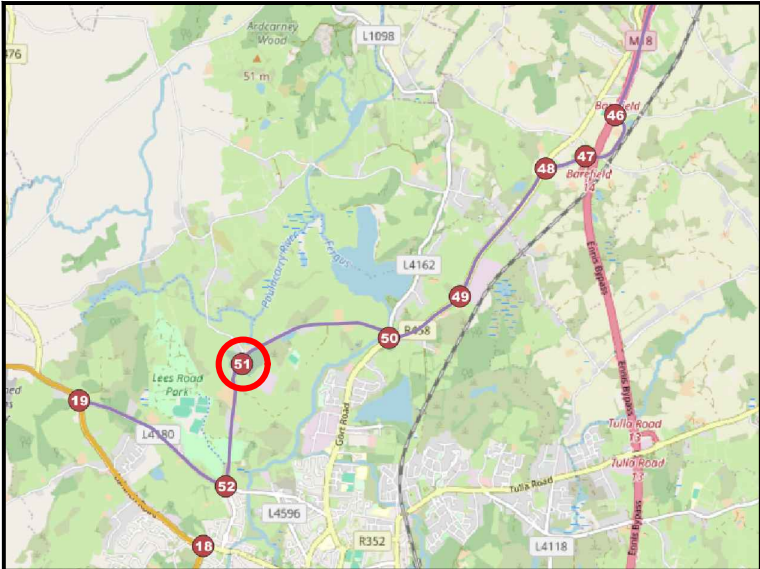
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Project
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Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 51
Sheet 1 of 2

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Overhead telecommunications
cables - height to be checked on site

Slight oversail of verge

Slight oversail of chassis into
potential third party land - small
section of stone wall to be removed

Road bound by stone wall to the east

Oversail of third party land by
chassis - stone wall to be removed

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Notes:

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Key:

- Blade Transporter Vehicle
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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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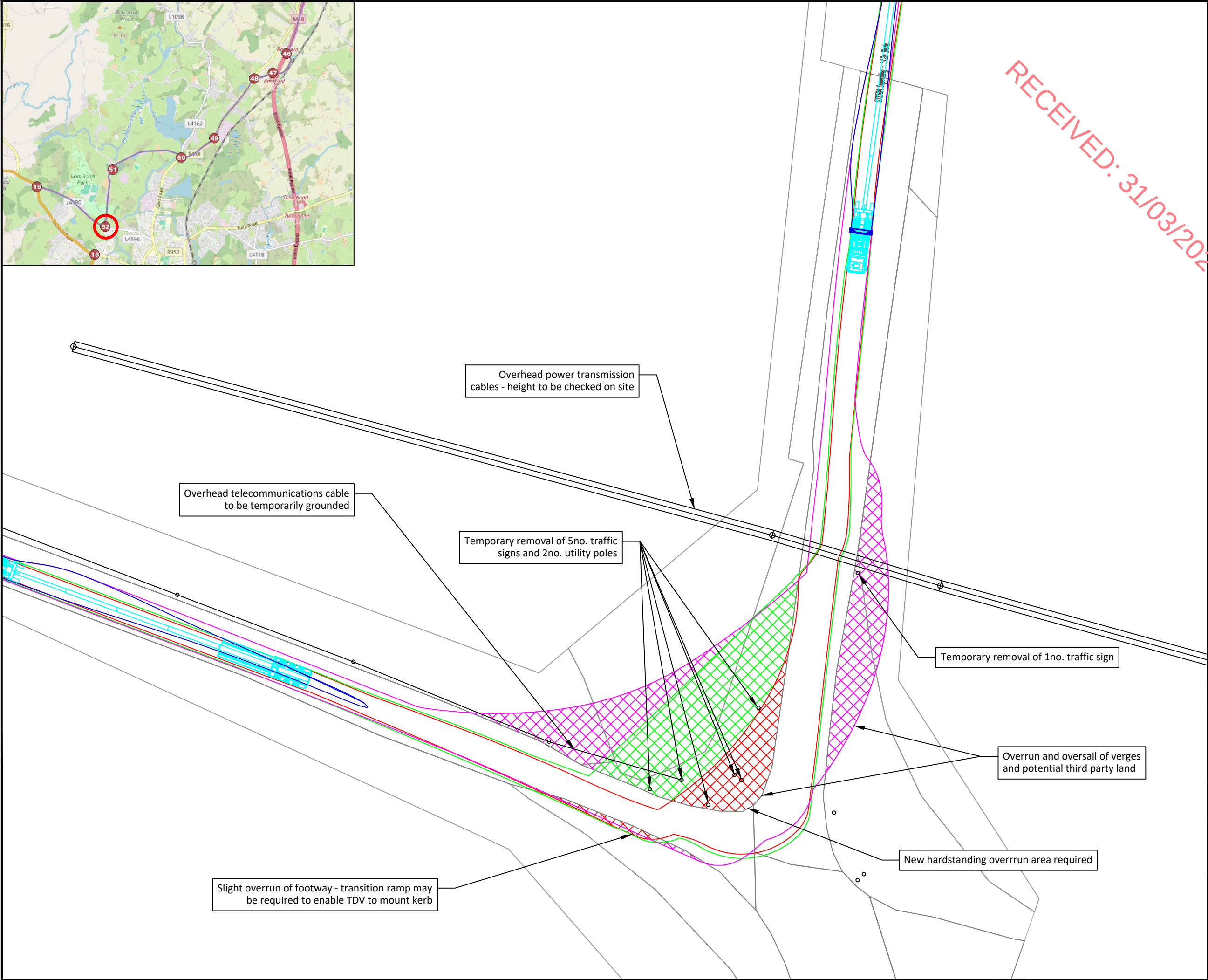
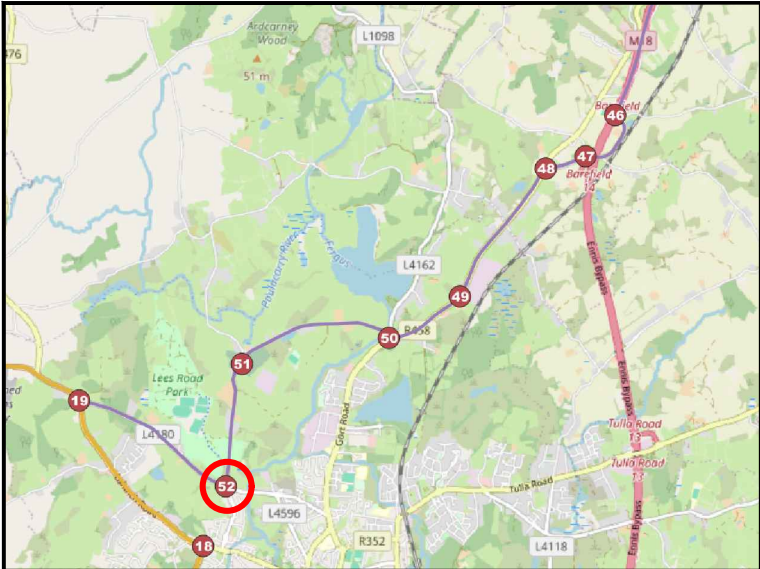
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Client
Gavin & Doherty Geosolutions

Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 51
Sheet 2 of 2

Drawn TF	Checked ADV	Approved ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:1000
Drawing Status Information	Drawing Number GB01T23F60/I/SPA063	Rev. -



Notes:

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2. All dimensions in metres unless otherwise stated.
3. Please note that marked service locations are indicative only and should be confirmed by topographical survey.

Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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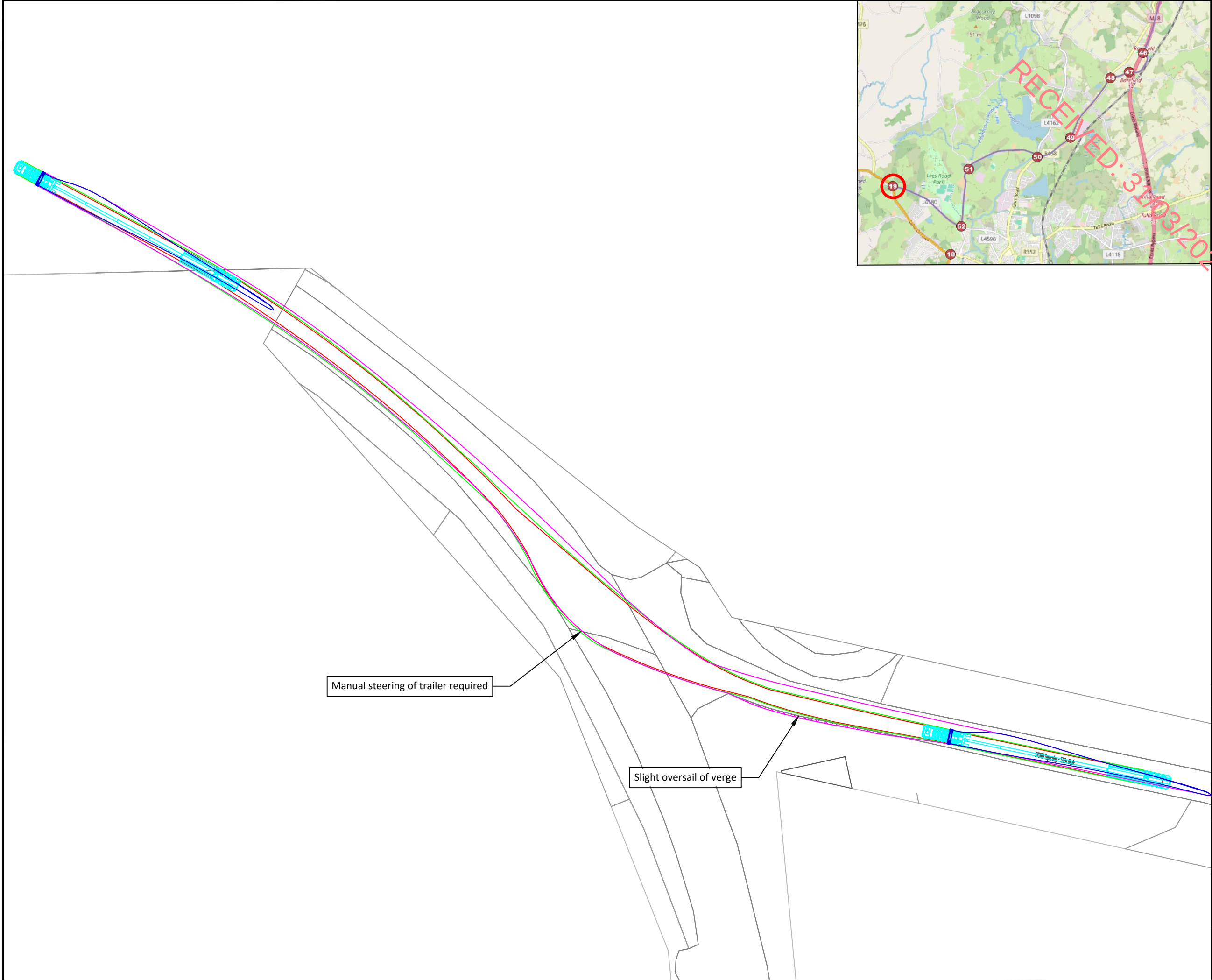
Client: Gavin & Doherty Geosolutions

Project: Illaunbaun Wind Farm Swept Path Assessment

Title: Super Wing Blade Carrier Vestas V117 - 57.2m Blade Pinch Point 52

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size	Date	Scale
A3	16/10/2024	1:500
Drawing Number		Rev.
Information		-

GB01T23F60/I/SPA064



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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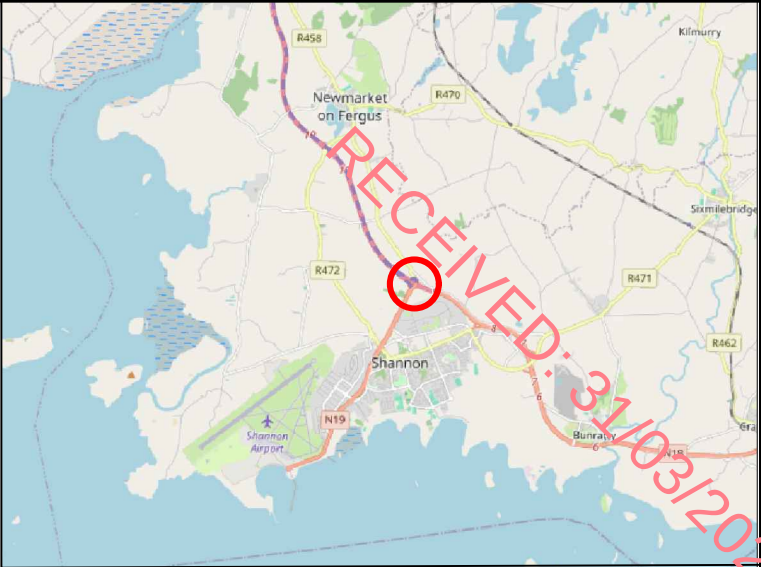
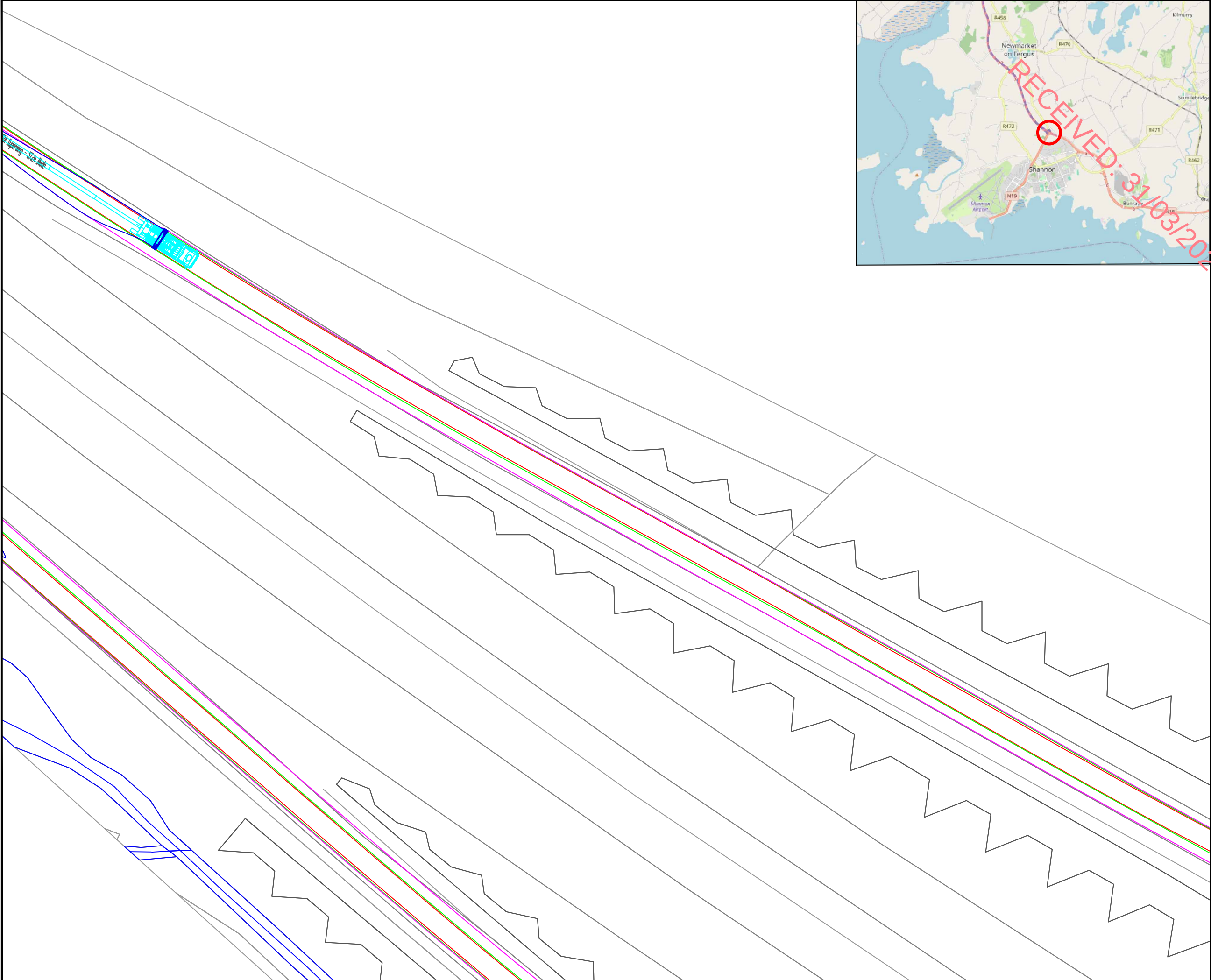
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Client
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Project
Illaunbaun Wind Farm
Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Pinch Point 19
From the East

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size A3	Date 16/10/2024	Scale 1:750
Drawing Status Information	Drawing Number GB01T23F60/I/SPA065	Rev. -



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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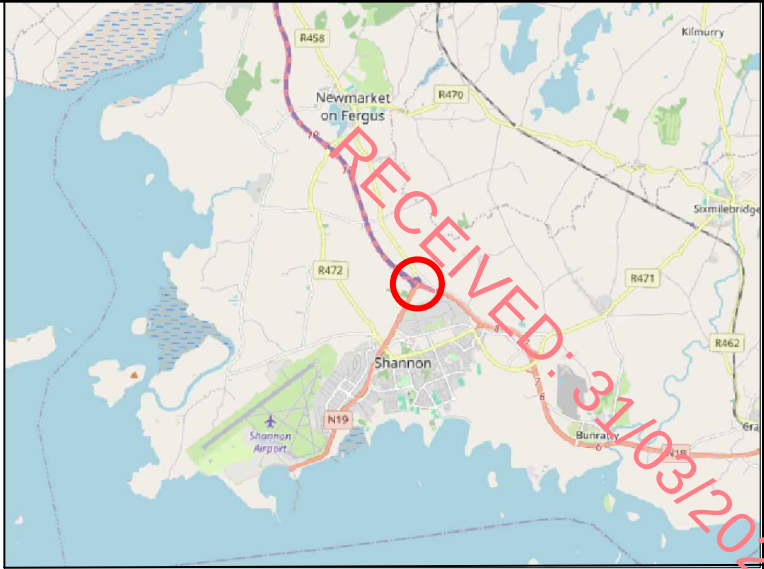
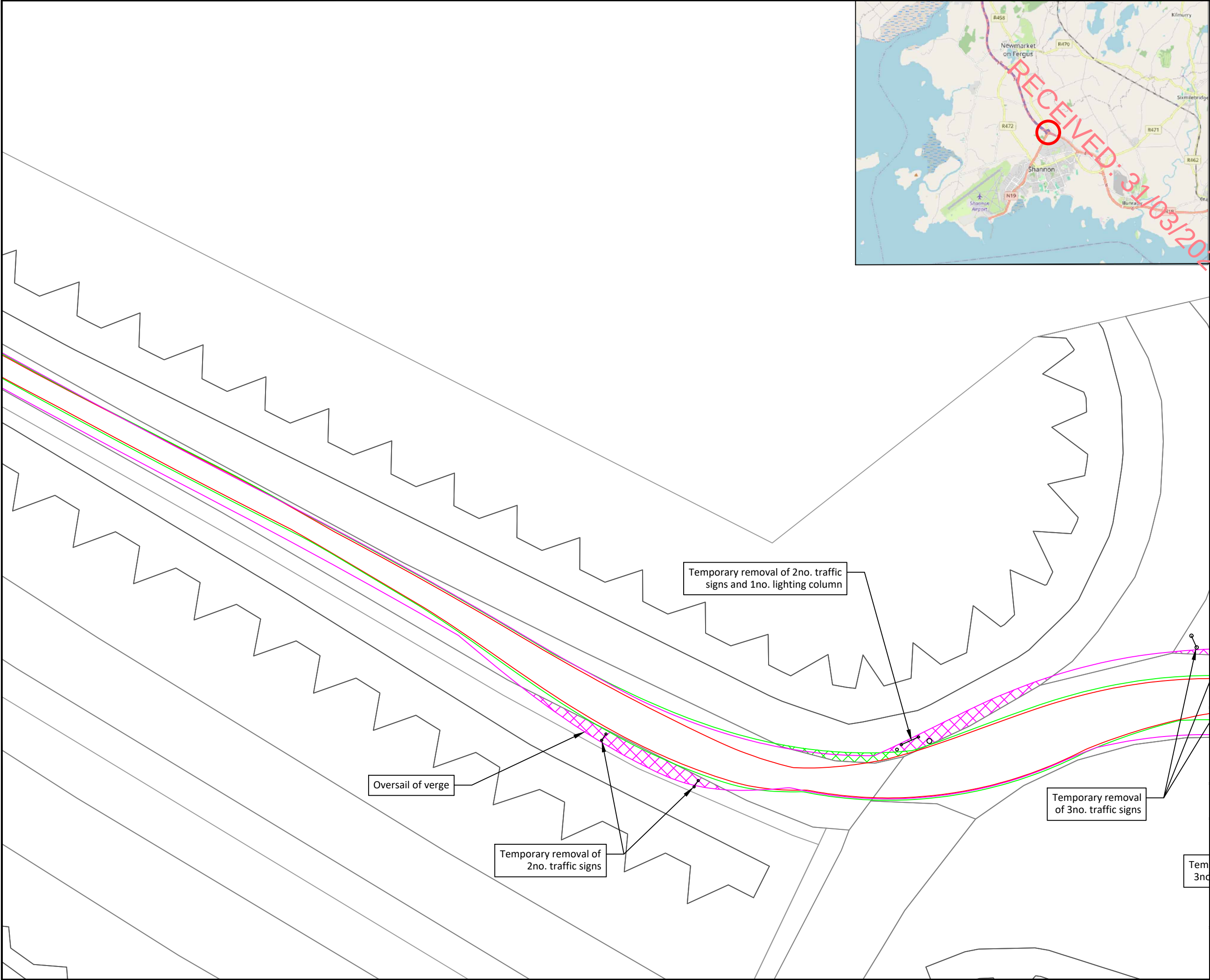
Illaunbaun Wind Farm
Swept Path Assessment

Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Alternative For Route 2 - N18 J9
Sheet 1 of 6

Drawn	Checked	Approved
TF	ADV	ADV
Original dtp. size	Date	Scale
A3	16/10/2024	1:500

Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/I/SPA066	-



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Key:

- Blade Transporter Vehicle
- Blade Outline
- Over-run envelope of tractor and trailer wheels
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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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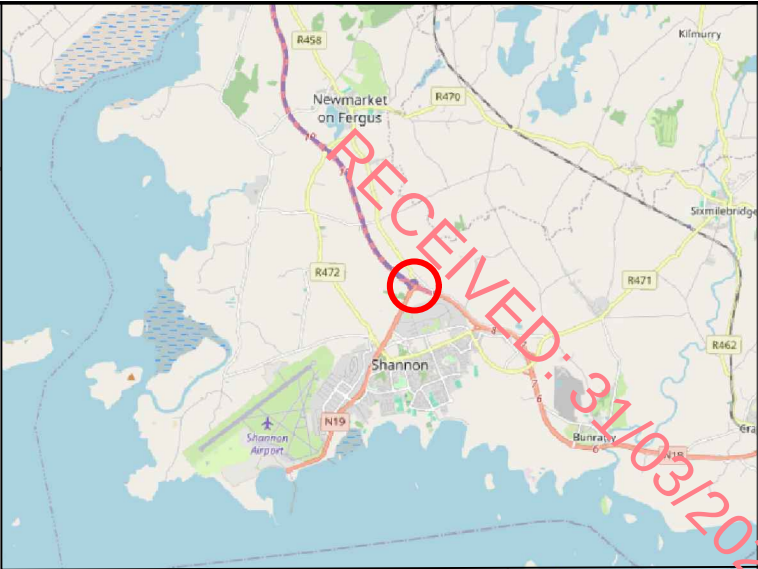
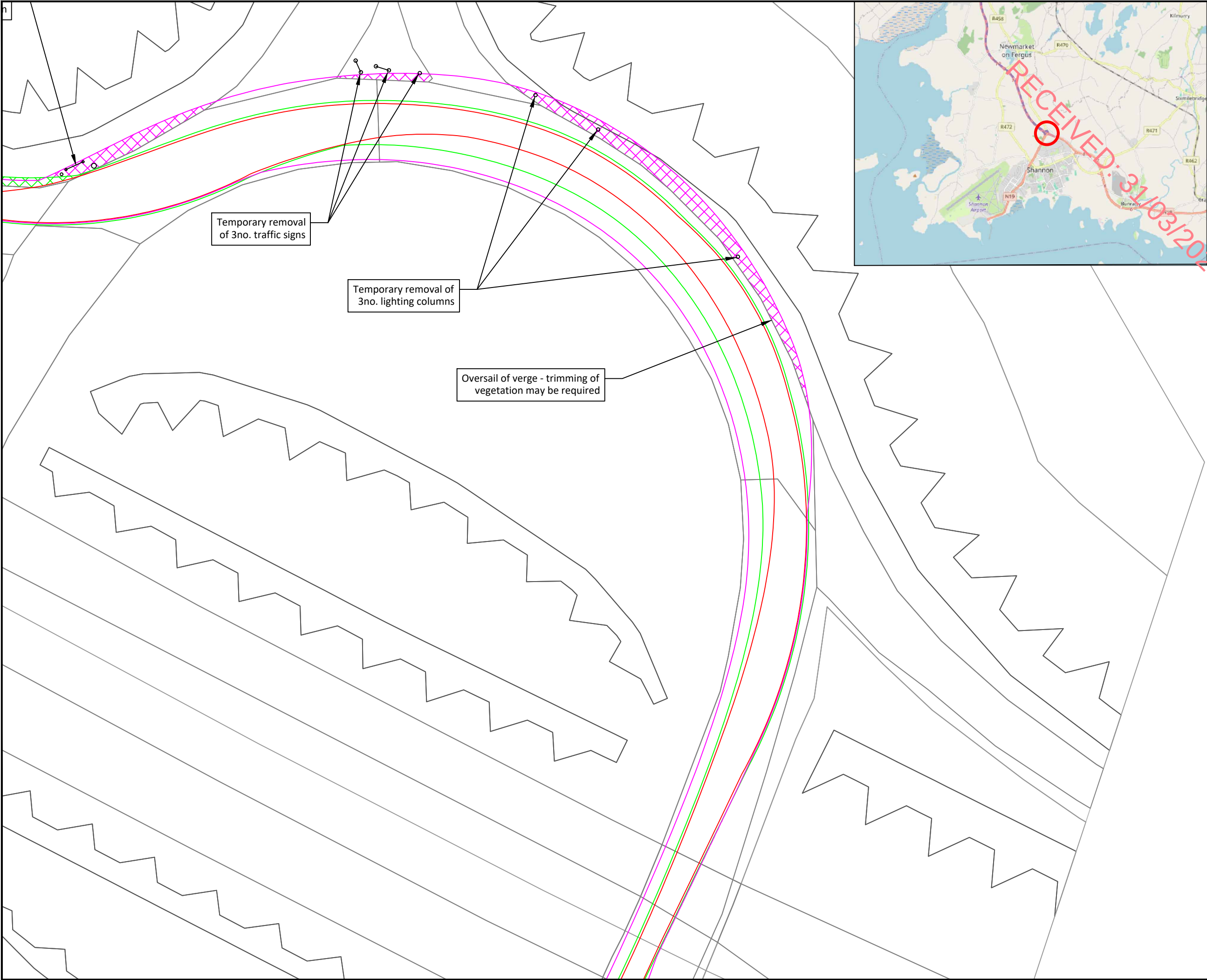
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Project
Illaunbaun Wind Farm
Swept Path Assessment

Temp
3no

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Alternative For Route 2 - N18 J9
Sheet 2 of 6

Drawn	Checked	Approved
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Original dtp. size A3	Date 16/10/2024	Scale 1:500
Drawing Status Information	Drawing Number GB01T23F60/I/SPA067	Rev. -



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Key:

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- Blade Outline
- Over-run envelope of tractor and trailer wheels
- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

Rev.	Date	Revision details	Drawn	Checked	Approved

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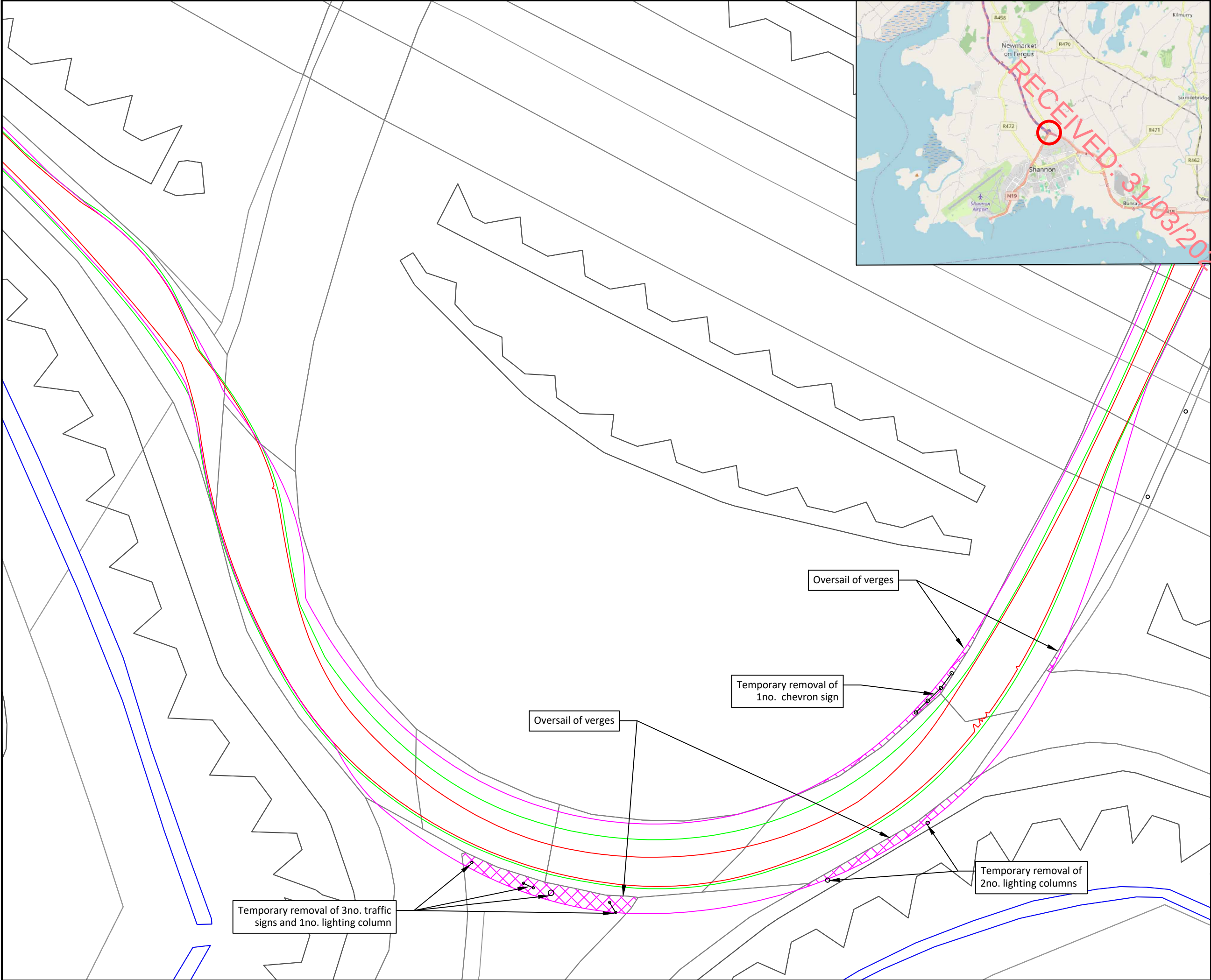
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Project
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Swept Path Assessment

Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Alternative For Route 2 - N18 J9
Sheet 3 of 6

Drawn TF	Checked ADV	Approved ADV
Original dwg. size A3	Date 16/10/2024	Scale 1:500
Drawing Status Information	Drawing Number GB01T23F60/I/SPA068	Rev. -



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- Blade Outline
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- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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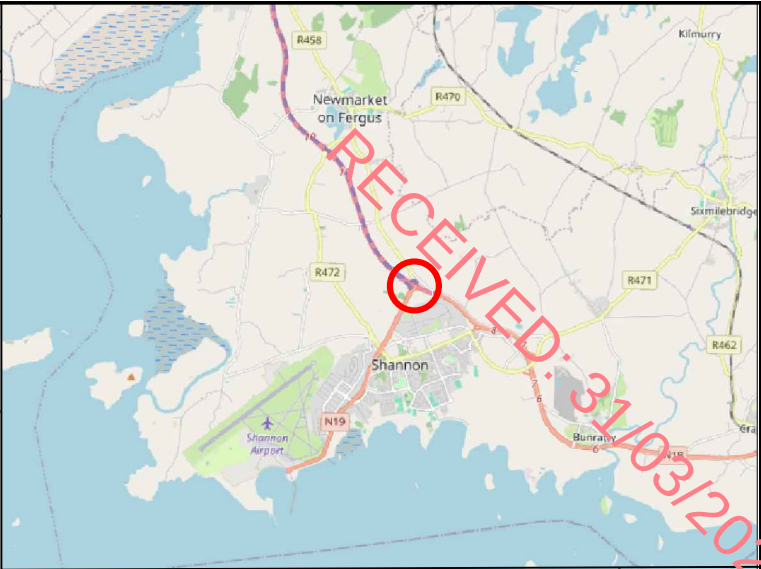
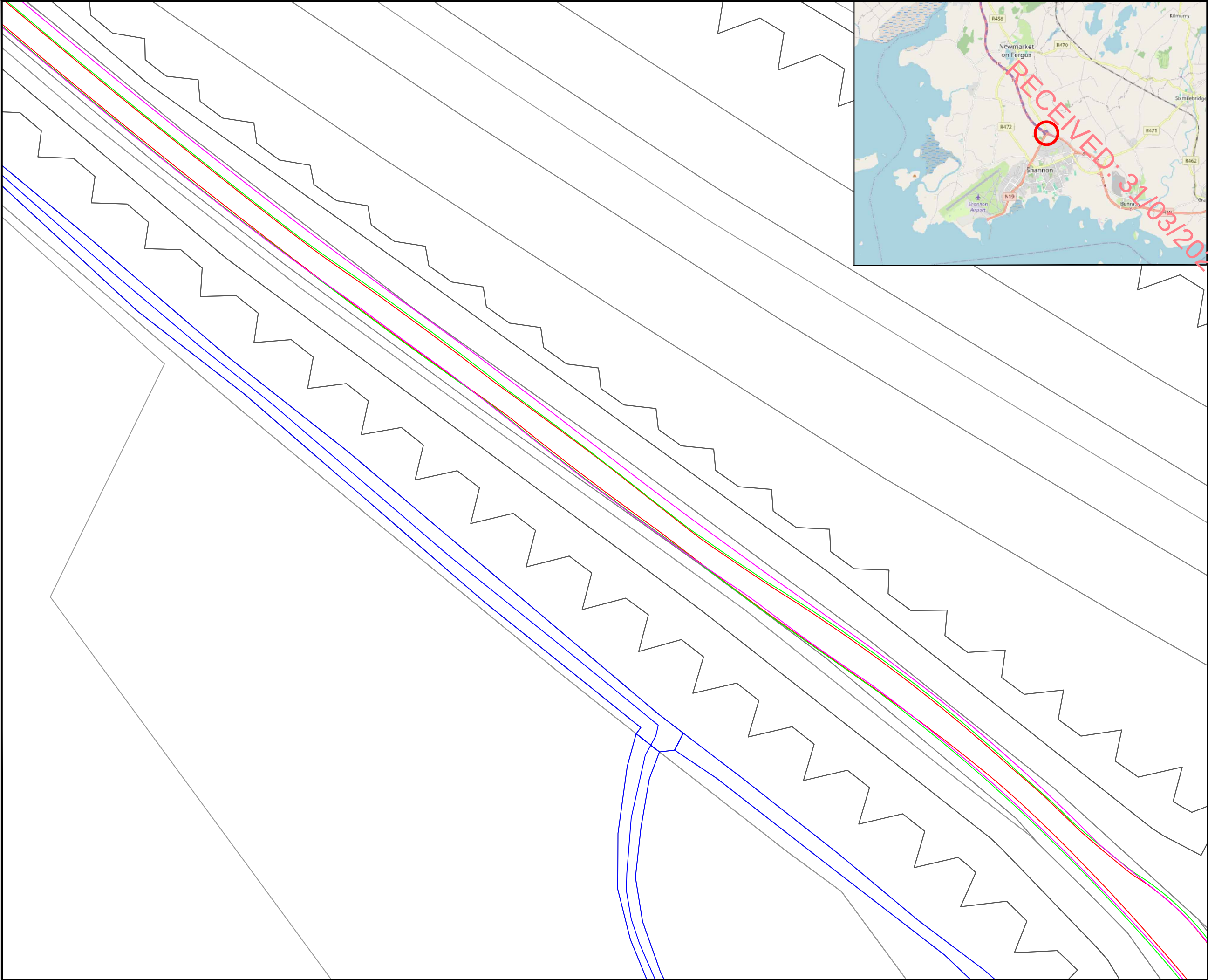
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Title
Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Alternative For Route 2 - N18 J9
Sheet 4 of 6

Drawn	Checked	Approved
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Original dwg. size A3	Date 16/10/2024	Scale 1:500
Drawing Number GB01T23F60/I/SPA069		Rev. -



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Key:

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- Over-sail envelope being swept by tractor and trailer bed
- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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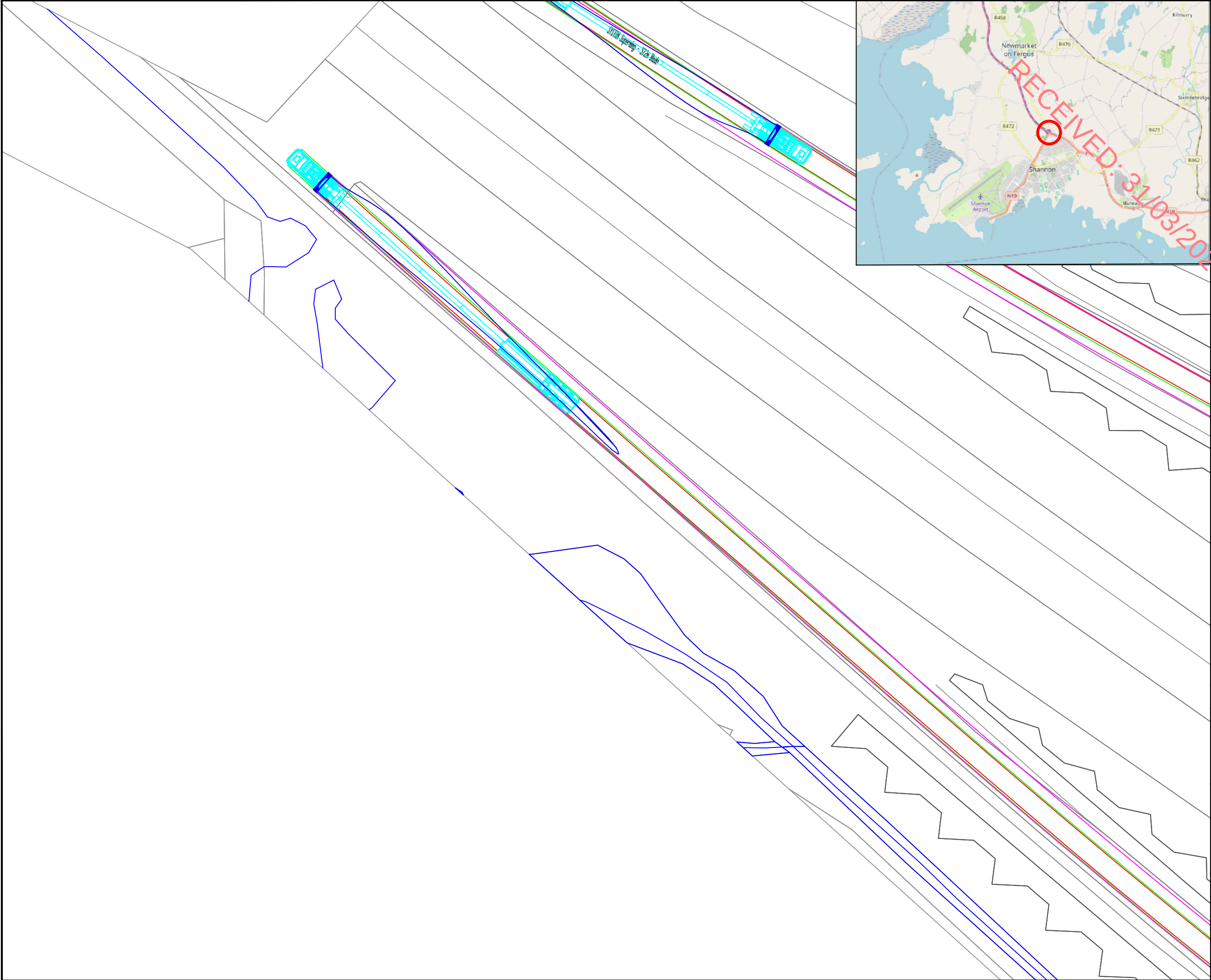
Title

Super Wing Blade Carrier
Vestas V117 - 57.2m Blade
Alternative For Route 2 - N18 J9
Sheet 5 of 6

Drawn	Checked	Approved
TF	ADV	ADV

Original dwg. size	Date	Scale
A3	16/10/2024	1:500

Drawing Status	Drawing Number	Rev.
Information	GB01T23F60/I/SPA070	-



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- Blade Outline
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- Over-sail envelope being swept by blade path
- Over-run area of tractor and trailer wheels out with carriageway
- Over-sail area of tractor and trailer bed out with carriageway
- Over-sail area of blade out with carriageway

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Vestas V117 - 57.2m Blade
Alternative For Route 2 - N18 J9
Sheet 6 of 6

Drawn	Checked	Approved
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Original dtp. size A3	Date 16/10/2024	Scale 1:500

Drawing Status	Drawing Number	Rev.
Information	GB01T23F60//SPA071	-

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