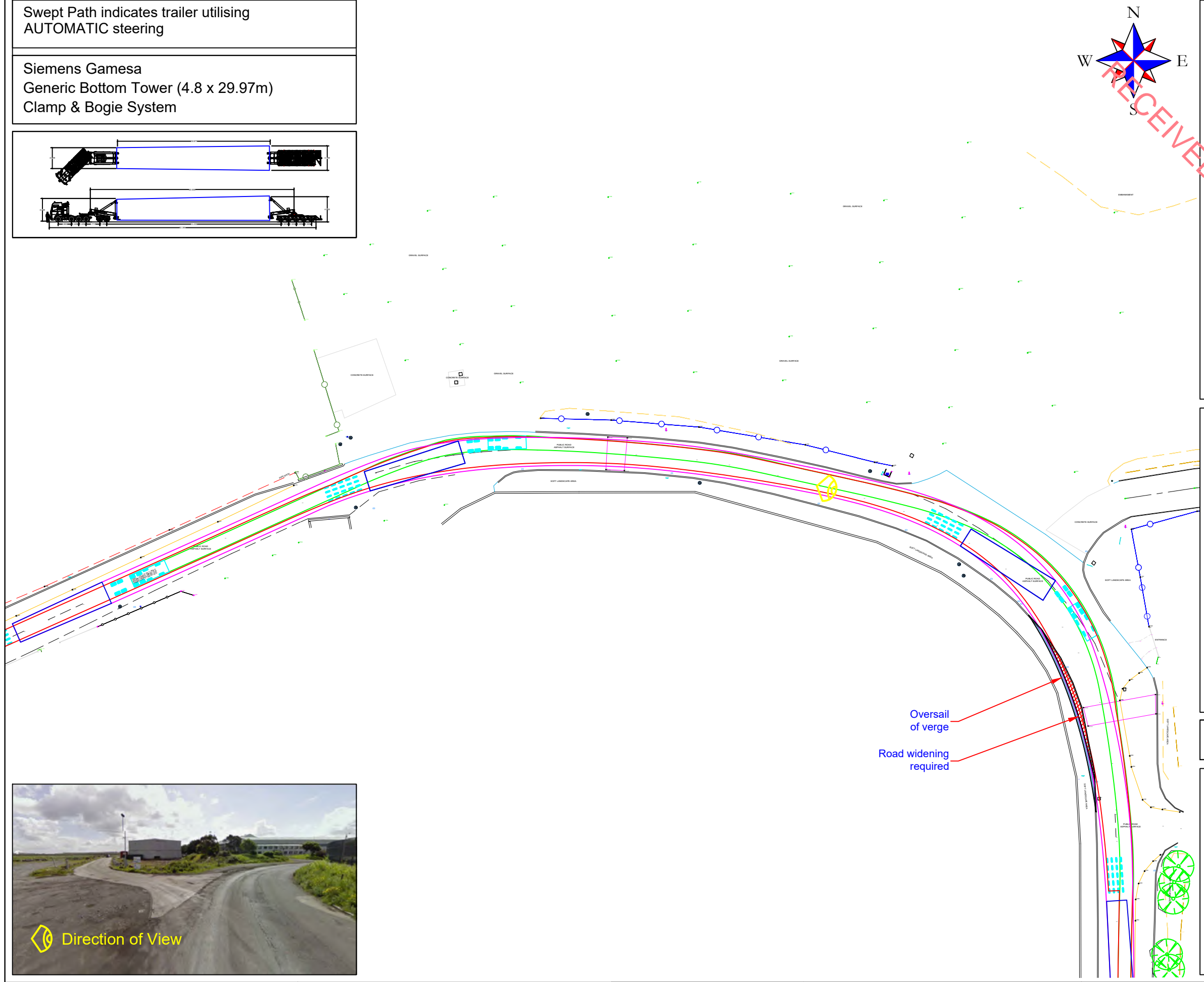
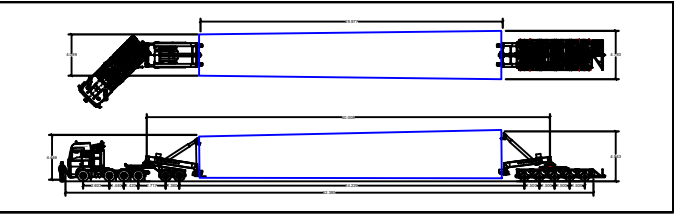


RECEIVED: 29/08/2024



## **APPENDIX 15-3**

**SWEPT PATH ANALYSIS PACK**



Continue on port service road.

**\*\*Caution\*\***

- Road widening is required on the offside in the red hatching.
- Oversail will occur on the offside of the bend in the solid blue shading.

29/08/2024

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
- Land take is usually referred to when land is required from Private Land Owners; road widening is usually referred to when land is required within highways boundaries. The boundaries between private land and highways property are assumed by using obvious demarcation such as fence lines/hedges etc. It should be noted that actual boundaries between highways and private land are not substantiated in this report and can only be authenticated by carrying out land searches.
- Police escorts and permits will be required for the movement of all of the components. 'Permits for movements' by the LA are a major consideration before the physical capability to deliver these components are undertaken.
- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufacturers Transport Guidance Notes.
- The Turbine Manufacturers Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

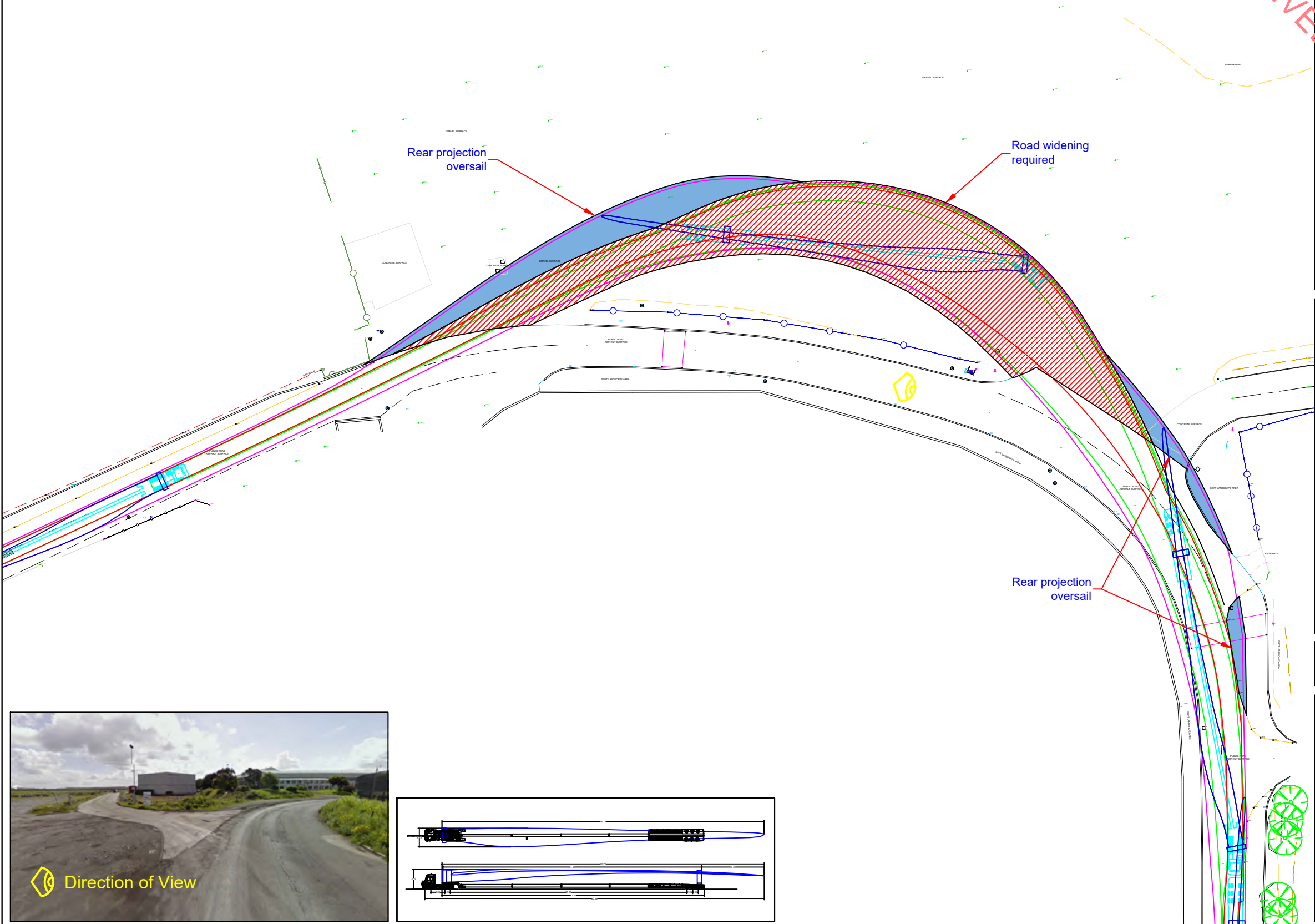
IRISH Grid Reference: R 25902 52014

- Area within red outline will be swept by tractor and trailer axles
- Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
SG155 Blade  
Super Wing Carrier



Continue on port service road, overrunning on the bend.

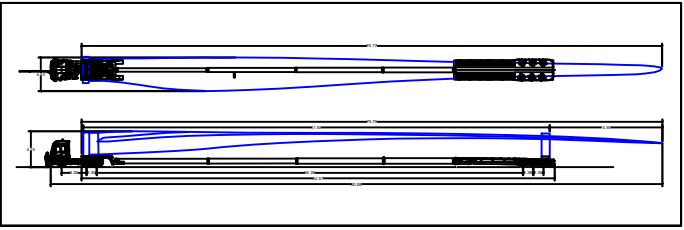
**\*\*Caution\*\***

- Road widening is required on the nearside of the bend in the red hatching.
- Rear projection Oversail will occur on the nearside as indicated by solid blue shading.
- Manual steering & utilisation of the full extents of the road are required at this location.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
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- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 25902 52014

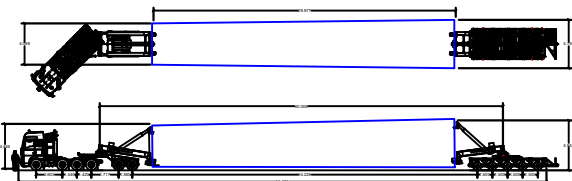
- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



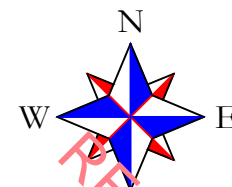
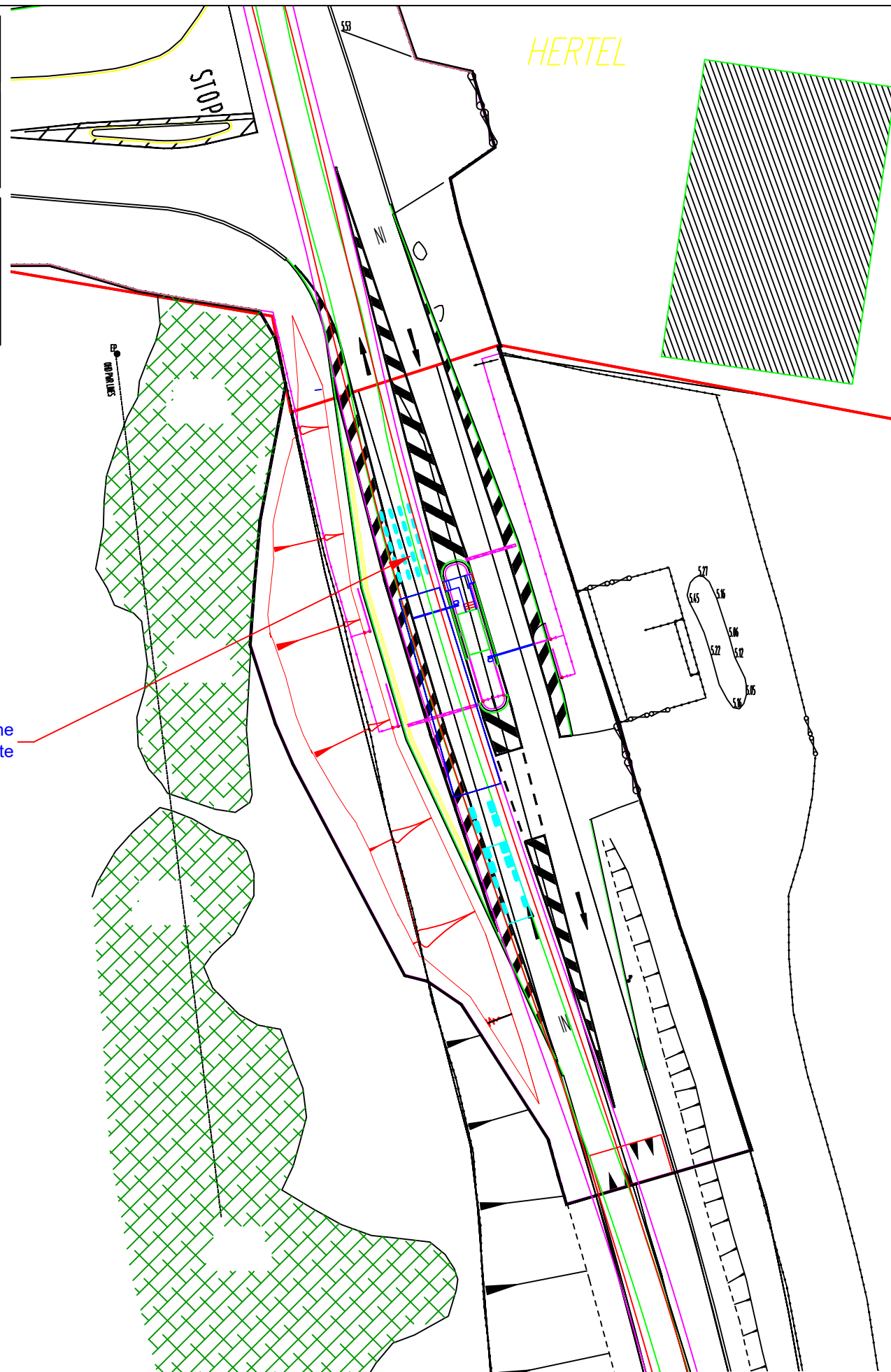


Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System



Contraflow the  
entry gate




Exit the harbour via the entry lane at the  
security gates

**\*\*Caution\*\***

- The loaded vehicle is to exit the port via the  
entry road.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
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- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

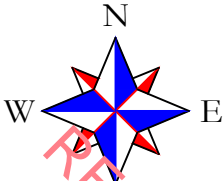
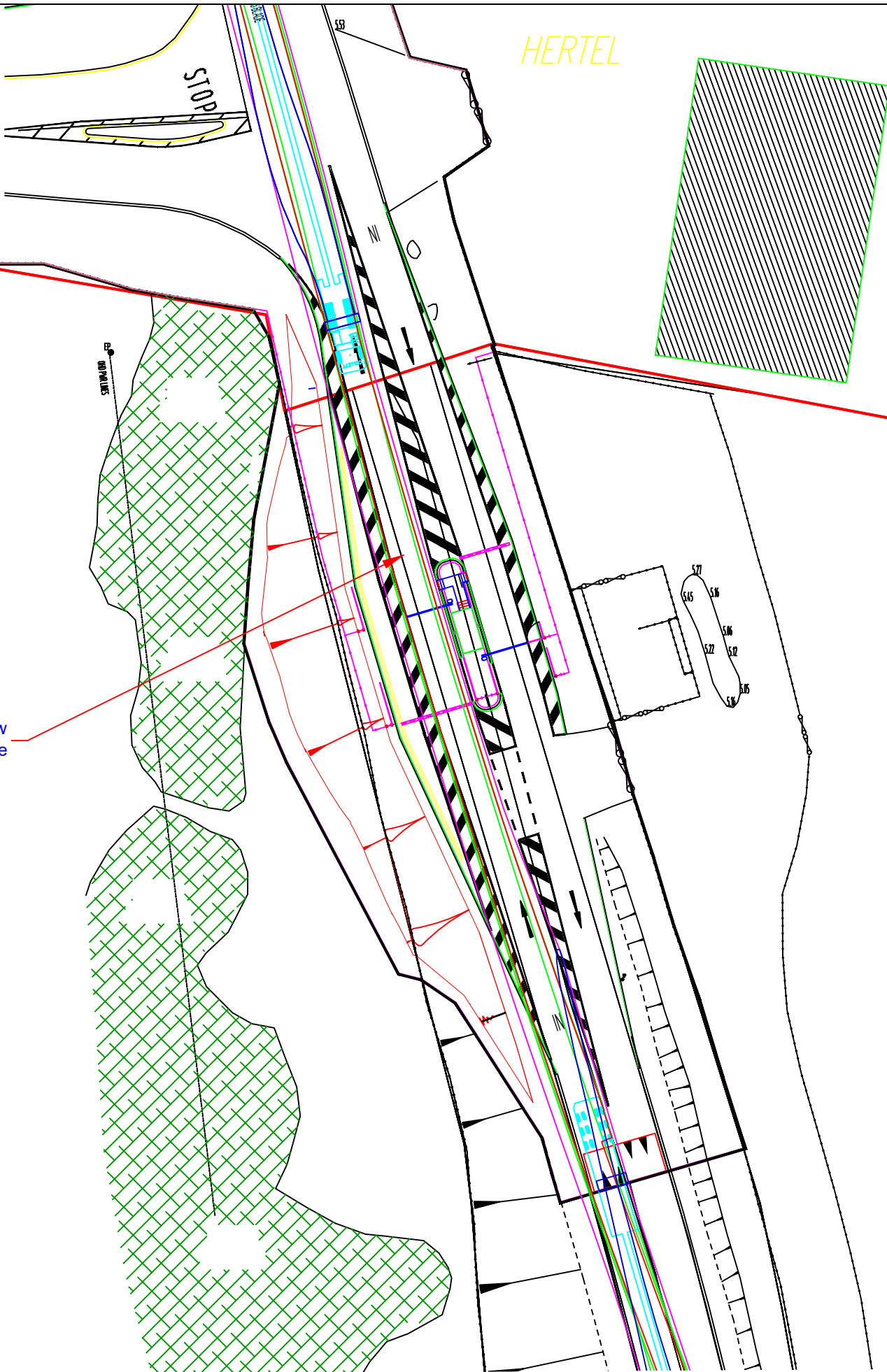
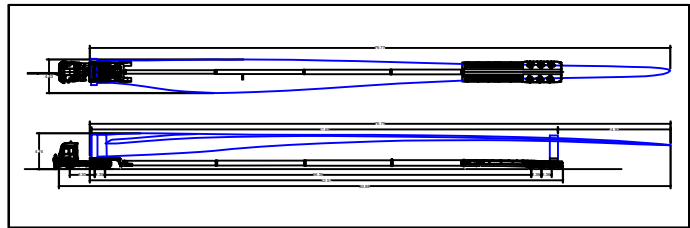
IRISH Grid Reference: R 26105 51485

- Area within red outline will be swept  
by tractor and trailer axles
-  Hatched area within red outline to be  
levelled and prepared to accept axle  
loadings
- Area within magenta outline will be  
oversailed by load and projections
- Area within green outline will be  
oversailed by trailer body



Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
SG155 Blade  
Super Wing Carrier




Exit the harbour via the entry lane at the  
security gates

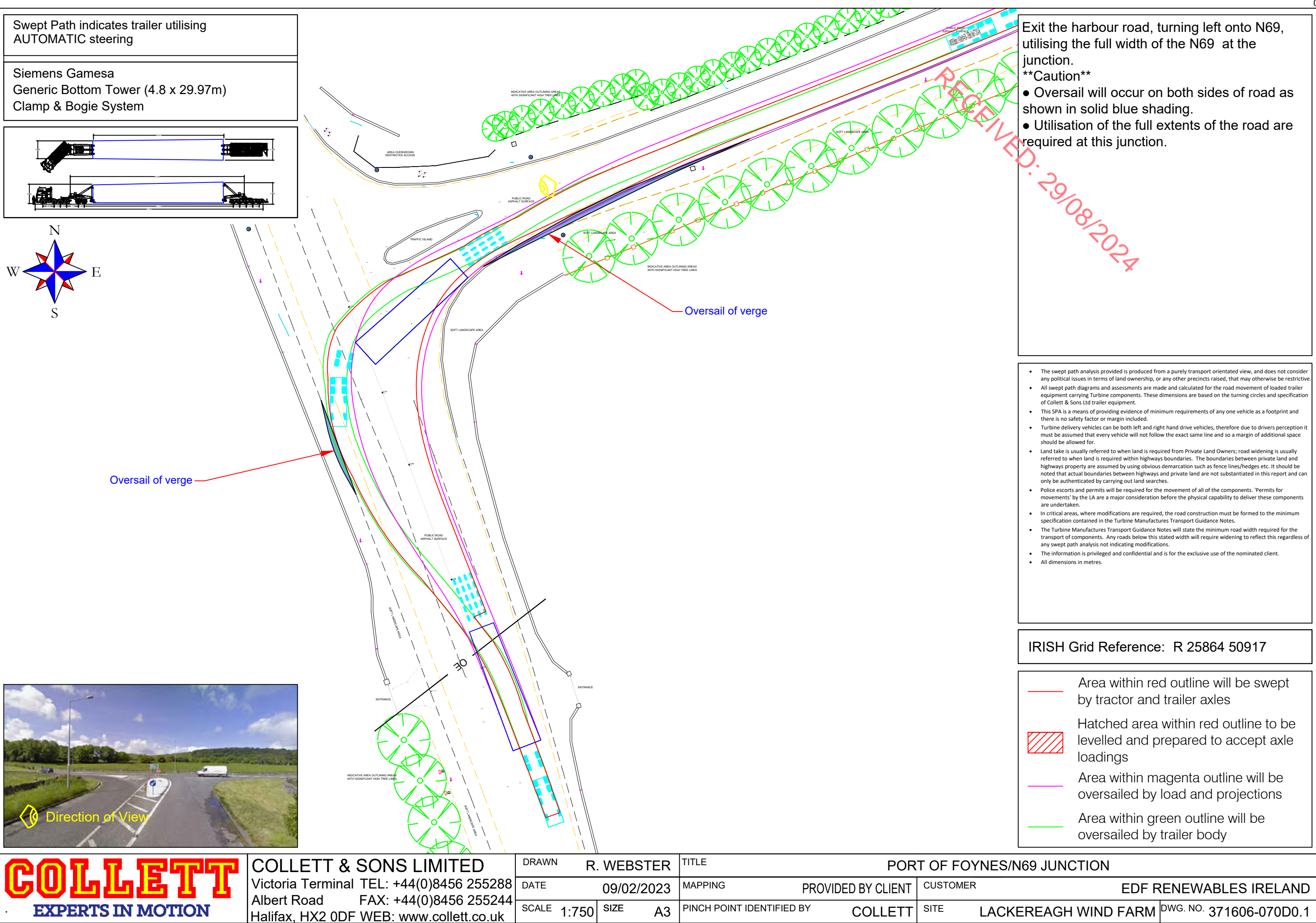
**\*\*Caution\*\***

- The loaded vehicle is to exit the port via the  
entry road.

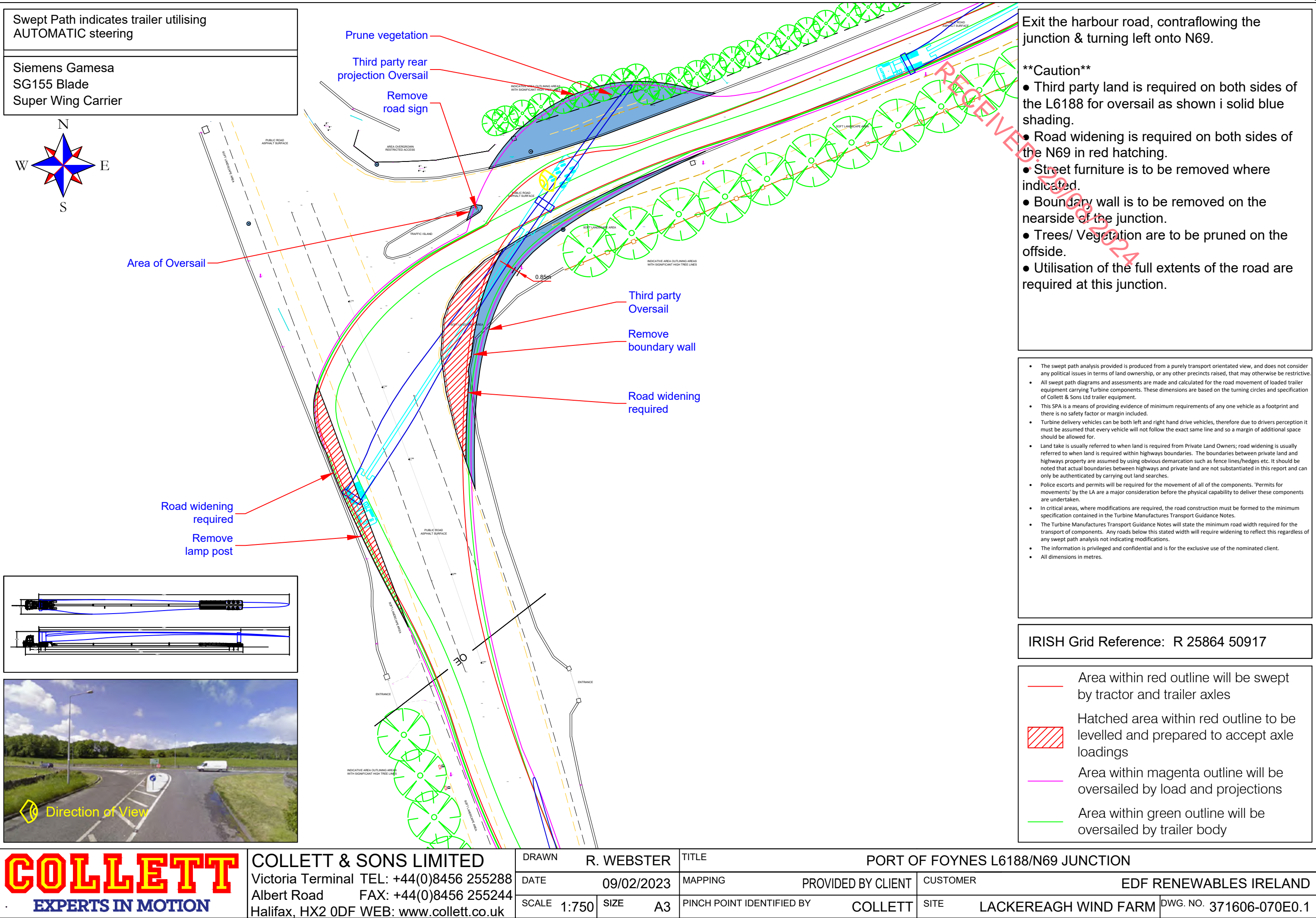
- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
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- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 26105 51485

- Area within red outline will be swept  
by tractor and trailer axles
-  Hatched area within red outline to be  
levelled and prepared to accept axle  
loadings
- Area within magenta outline will be  
oversailed by load and projections
- Area within green outline will be  
oversailed by trailer body



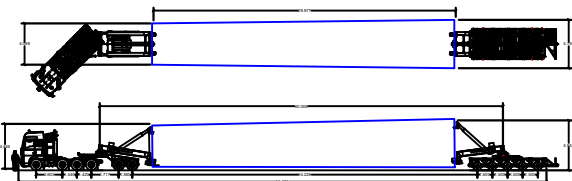


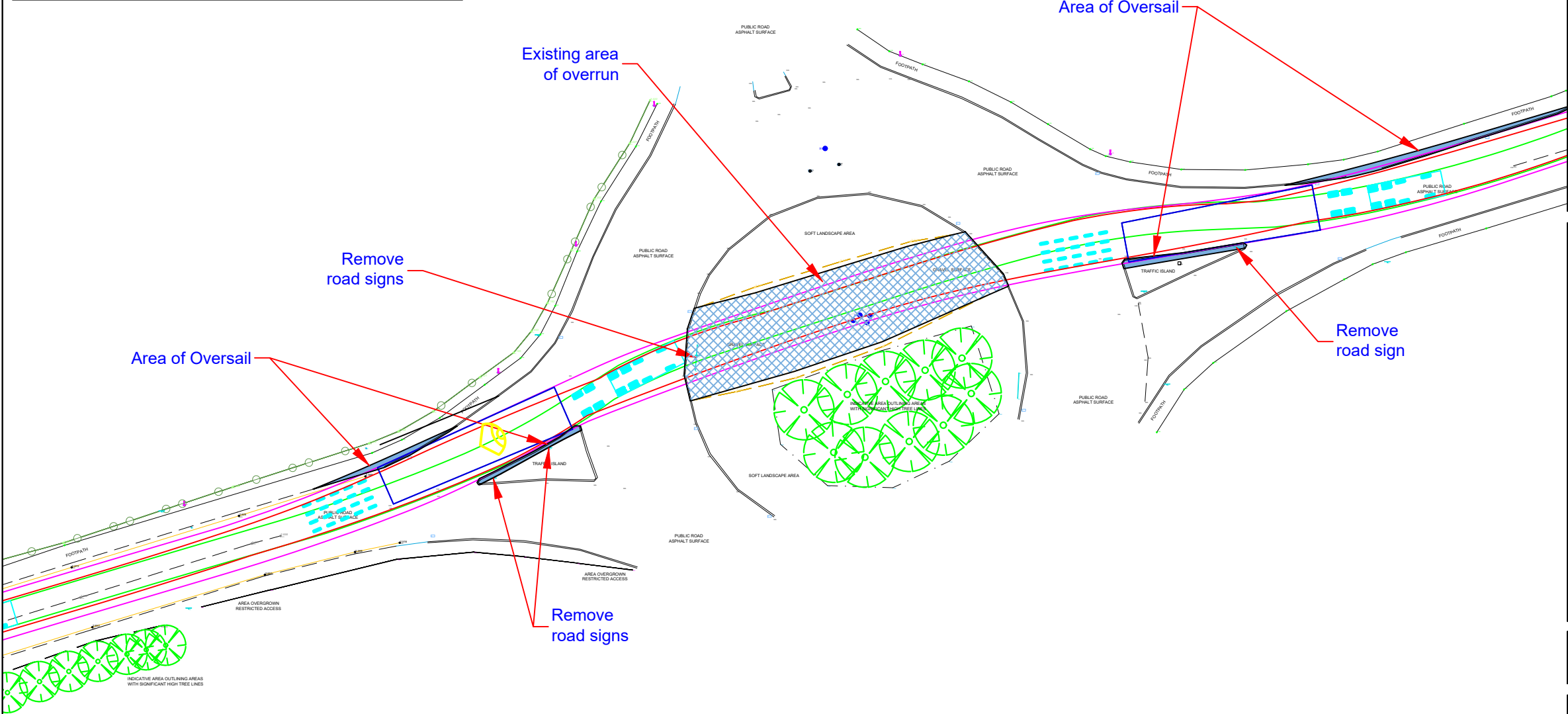




Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System





Continue straight forward across the roundabout island on N69.


**\*\*Caution\*\***


- Oversail will occur on both sides of the entry & exits.
- Existing area of overrun is to be utilised across the roundabout island.
- Street furniture is to be removed where indicated.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
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- All dimensions in metres.

IRISH Grid Reference: R 50407 53634

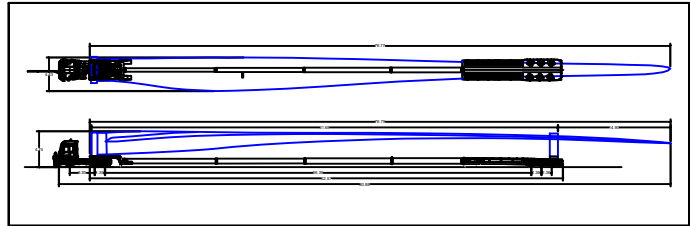
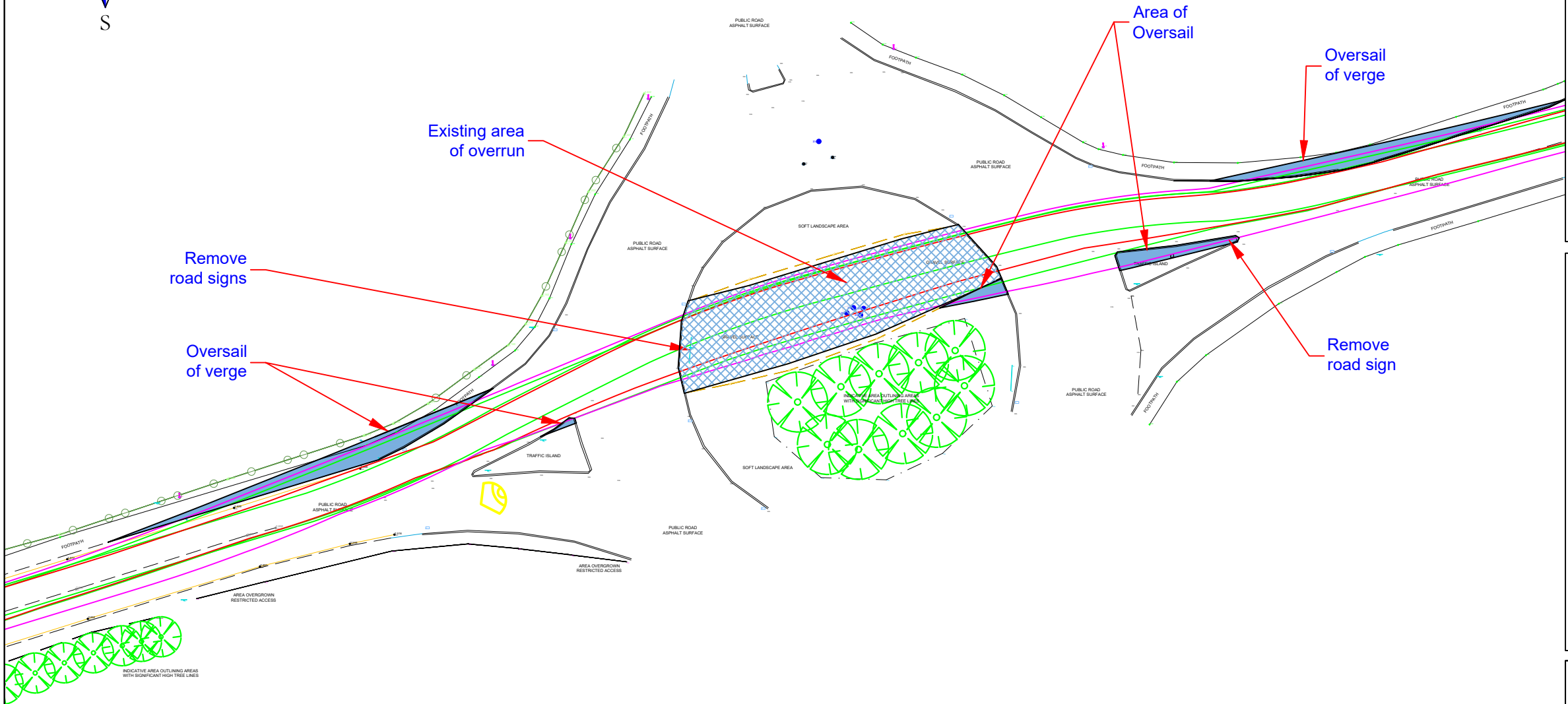
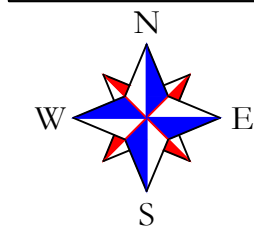


- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE ROUNDABOUT JUNCTION ON N69, BALLYBROWN			
		DATE 09/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-080D0.1

Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
SG155 Blade  
Super Wing Carrier



Continue straight forward across the roundabout island on N69.

**\*\*Caution\*\***

- Oversail will occur on both sides of the exit, roundabout island and nearside of the entry.
- Street furniture is to be removed where indicated.
- Existing area of overrun is to be utilised across the roundabout island.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 50407 53634



- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

**COLLETT**  
EXPERTS IN MOTION

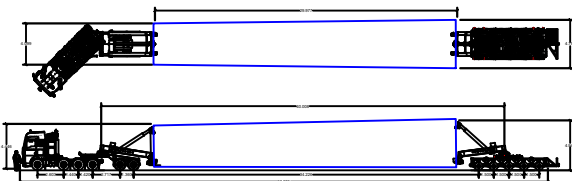
COLLETT & SONS LIMITED  
Victoria Terminal TEL: +44(0)8456 255288  
Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

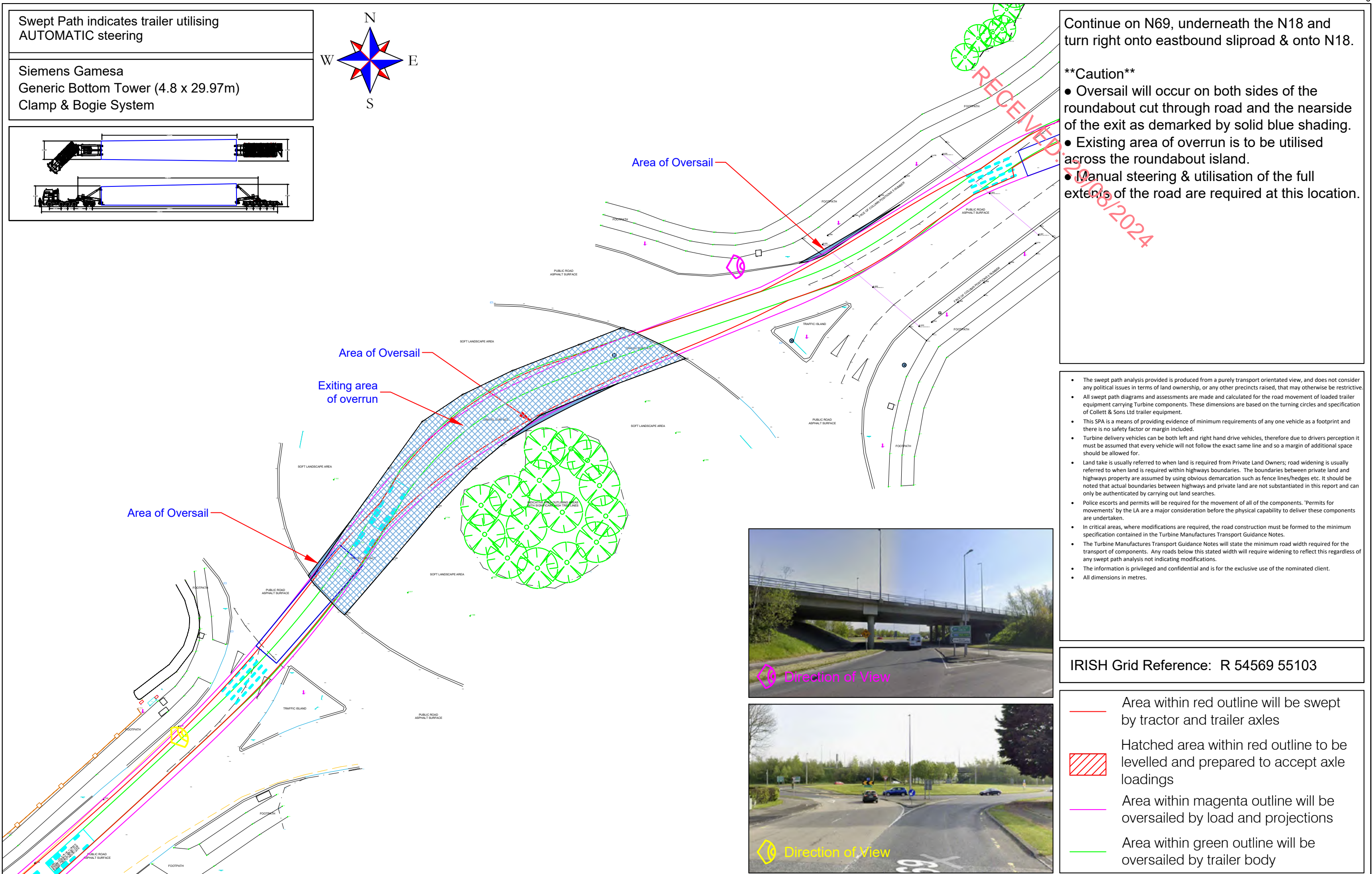
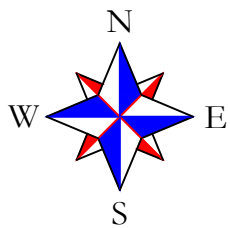
DRAWN	R. WEBSTER	TITLE	ROUNDAABOUT JUNCTION ON N69, BALLYBROWN		
DATE	09/02/2023	MAPPING	PROVIDED BY CLIENT	CUSTOMER	EDF RENEWABLES IRELAND
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
				SITE	LACKEREAGH WIND FARM
				DWG. NO.	371606-080E1.1



Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System






Continue on N69, underneath the N18 and turn right onto eastbound sliproad & onto N18.

**\*\*Caution\*\***


- Oversail will occur on both sides of the roundabout cut through road and the nearside of the exit as demarked by solid blue shading.
- Existing area of overrun is to be utilised across the roundabout island.
- Manual steering & utilisation of the full extents of the road are required at this location.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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IRISH Grid Reference: R 54569 55103

- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE N18 JUNCTION 2, LIMERICK			
		DATE 09/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-100D0.1

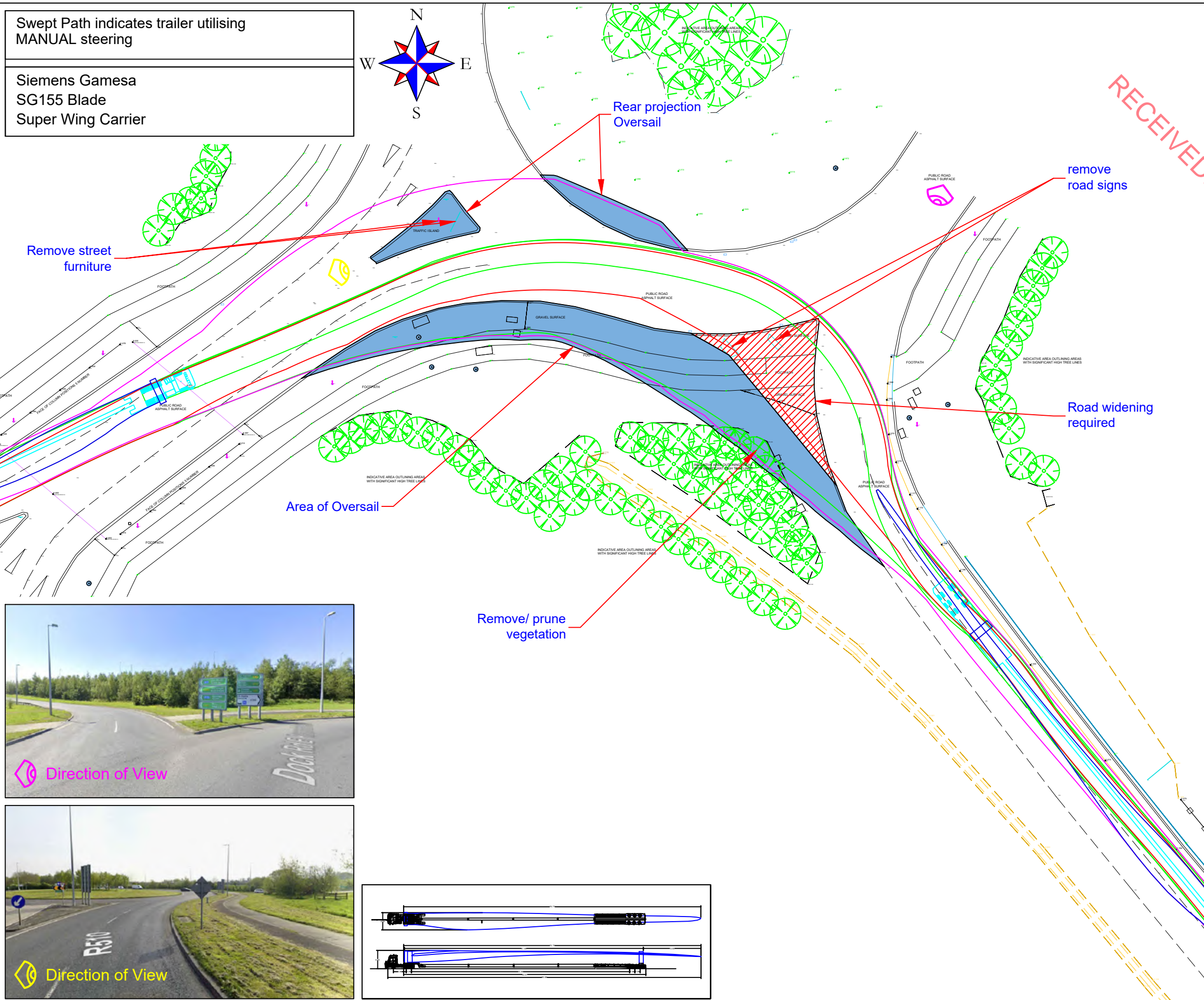












Continue on N69, underneath the N18 and turn right onto eastbound sliproad & onto N18.

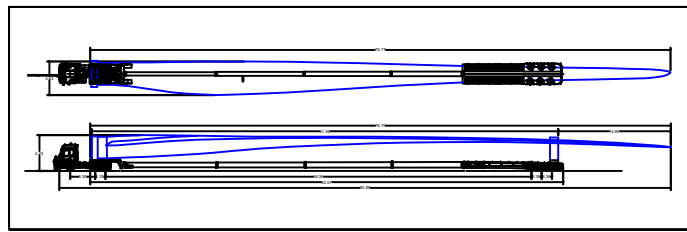
**\*\*Caution\*\***

- Road widening is required on the offside of the sliproad entry as per red hatching.
- Oversail will occur on both sides in solid blue shading.
- Street furniture is to be removed where indicated.
- The roundabout is to be entered via the corresponding exit lane during the manoeuvre.
- Vegetation is to be pruned on the offside of the sliproad where indicated.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- All dimensions in metres.

IRISH Grid Reference: R 54704 55196

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

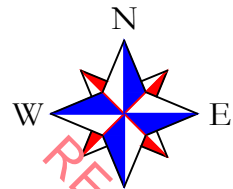
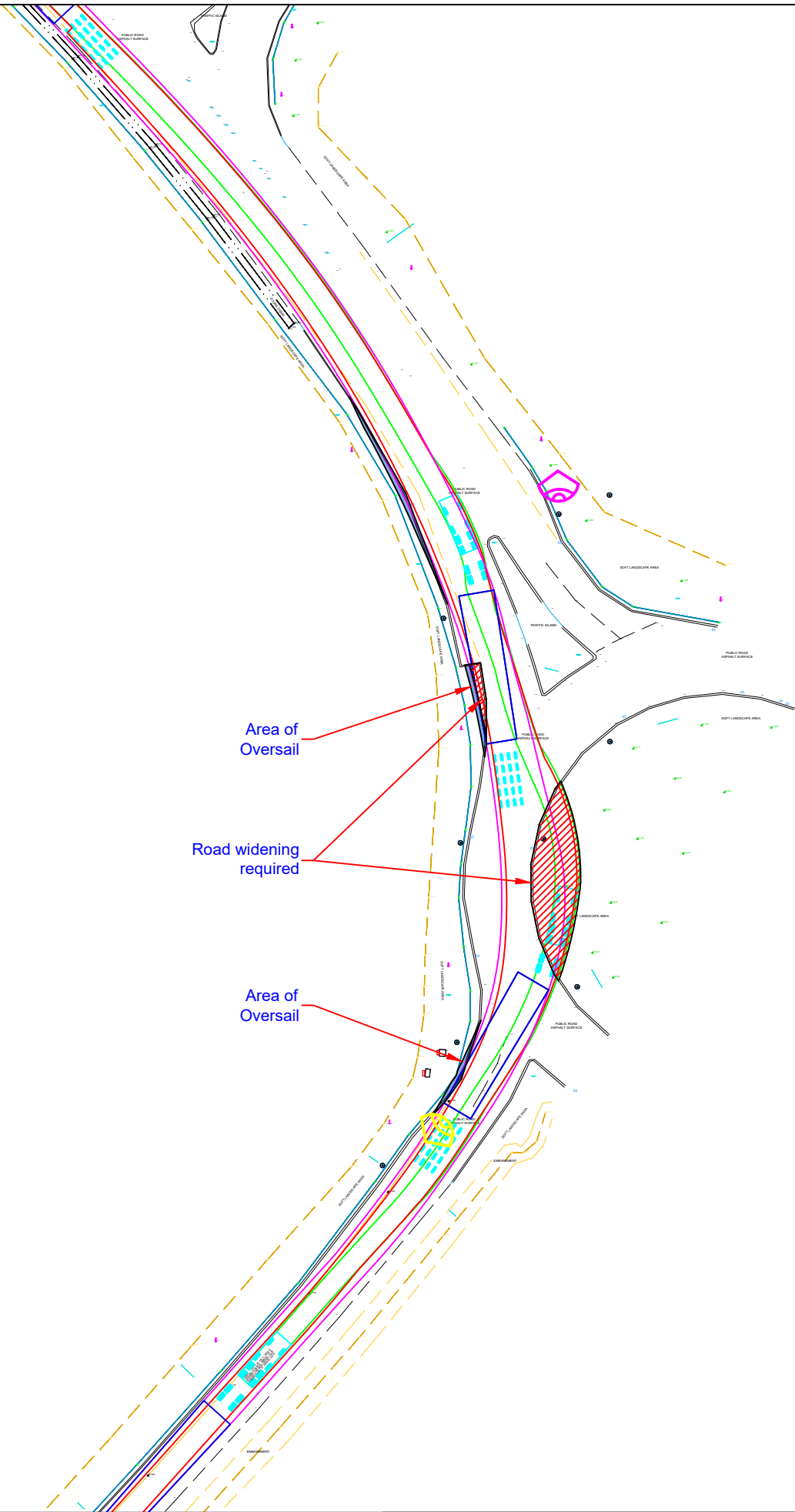
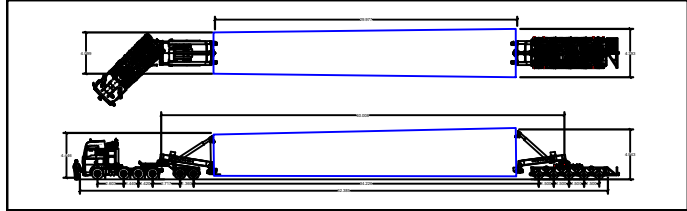


<div>COLLETT</div> <div>EXPERTS IN MOTION</div>	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE N18 JUNCTION 2, LIMERICK			
		DATE 09/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-101E1.1



Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System



Exit M7 at junction 27 and take 1st exit onto  
R494 towards Killaloe.

**\*\*Caution\*\***

- Road widening is required on both sides as shown by red hatching.
- Oversail will occur on the nearside of the entry and exit as indicated by solid lue shading.
- Manual steering & utilisation of the full extents of the road are required at this location.

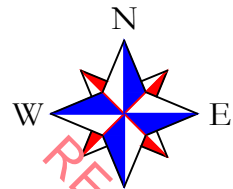
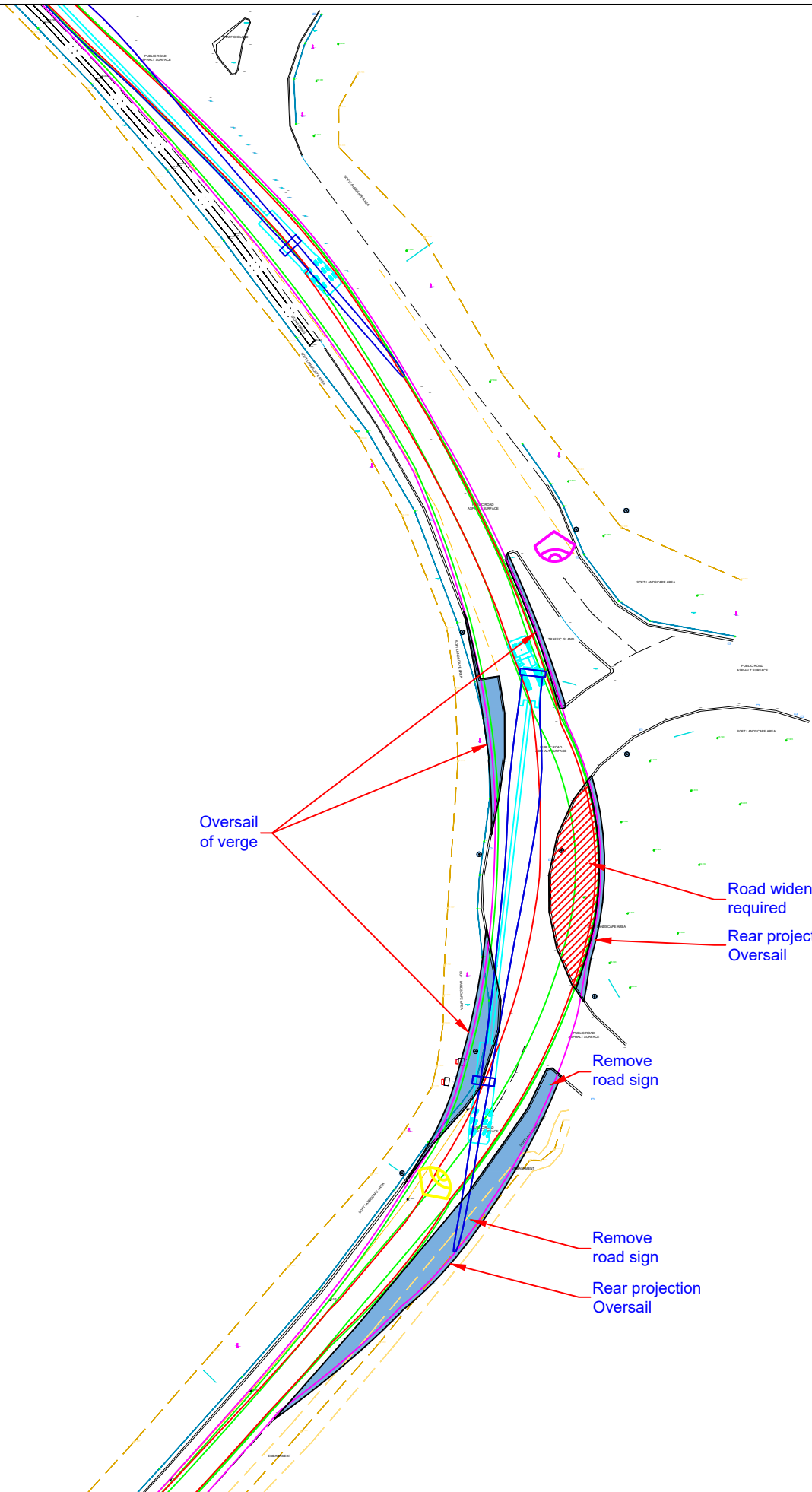
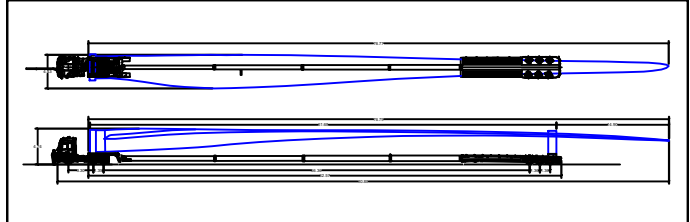
- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
- Land take is usually referred to when land is required from Private Land Owners; road widening is usually referred to when land is required within highways boundaries. The boundaries between private land and highways property are assumed by using obvious demarcation such as fence lines/hedges etc. It should be noted that actual boundaries between highways and private land are not substantiated in this report and can only be authenticated by carrying out land searches.
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- The Turbine Manufactures Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 72390 67417

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

Swept Path indicates trailer utilising MANUAL steering

Siemens Gamesa  
SG155 Blade  
Super Wing Carrier



Exit M7 at junction 27 and take 1st exit onto R494 towards Killaloe.

**\*\*Caution\*\***

- Road widening is required on the roundabout island shown in red hatching.
- Oversail will occur on both sides of the entry, exit & roundabout island.
- Two road signs on the offside of the entry are to be removed where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.

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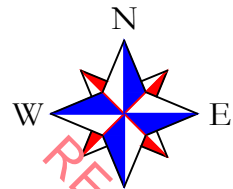
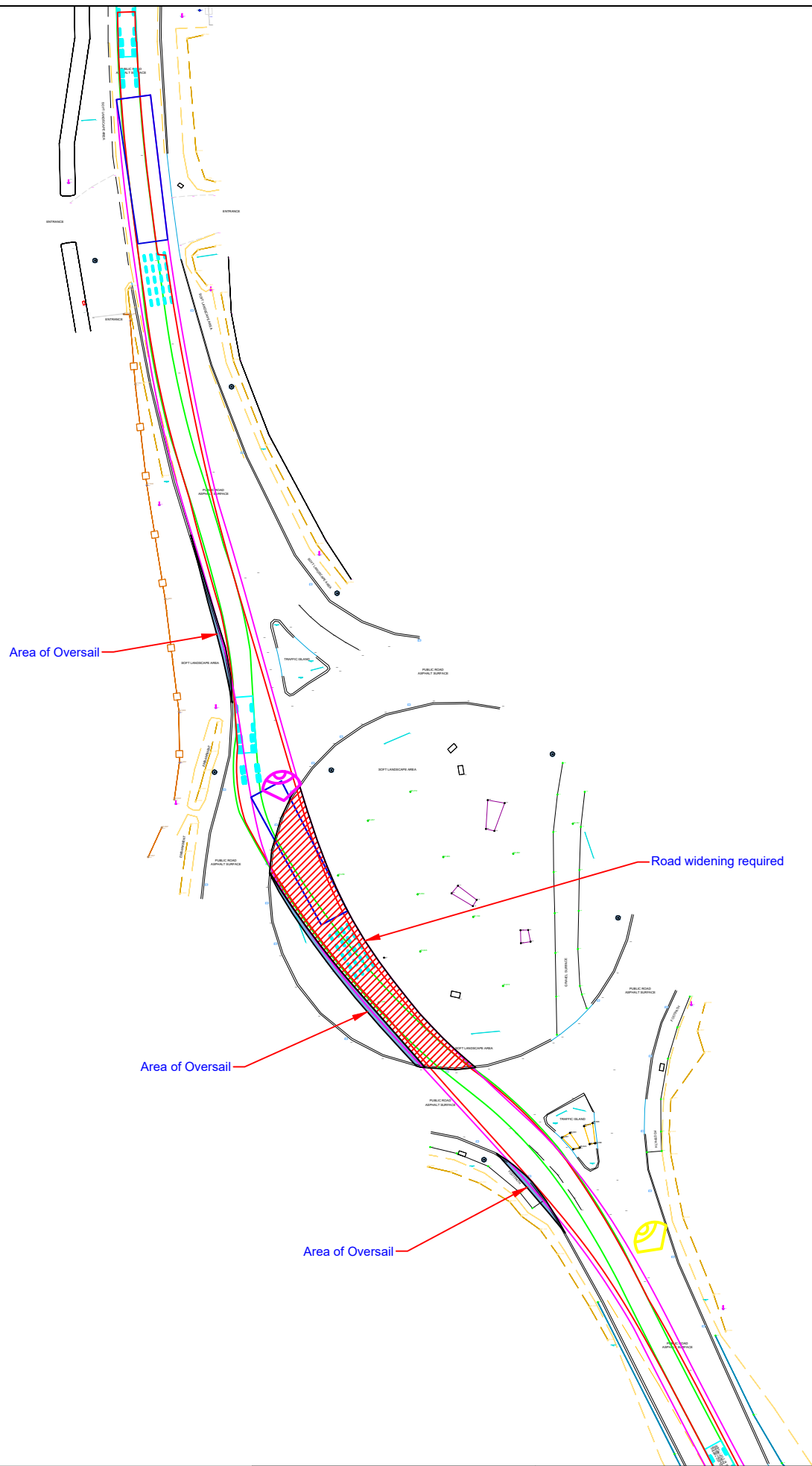
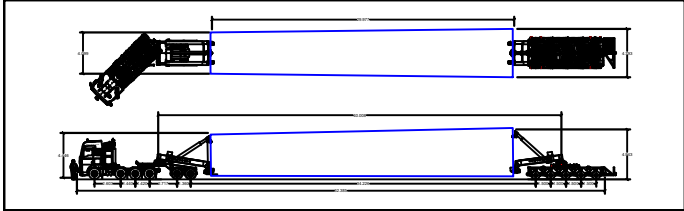
IRISH Grid Reference: R 72390 67417

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System



Continue straight on R494 at the roundabout.

**\*\*Caution\*\***

- Road widening is required on the roundabout island as demarked in red hatching.
- Oversail will occur on the nearside throughout as demarked in solid blue shading.
- A topographical survey is recommended once the new road/ bridge has been completed to ascertain the full extent of modifications required

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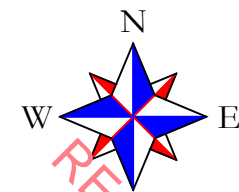
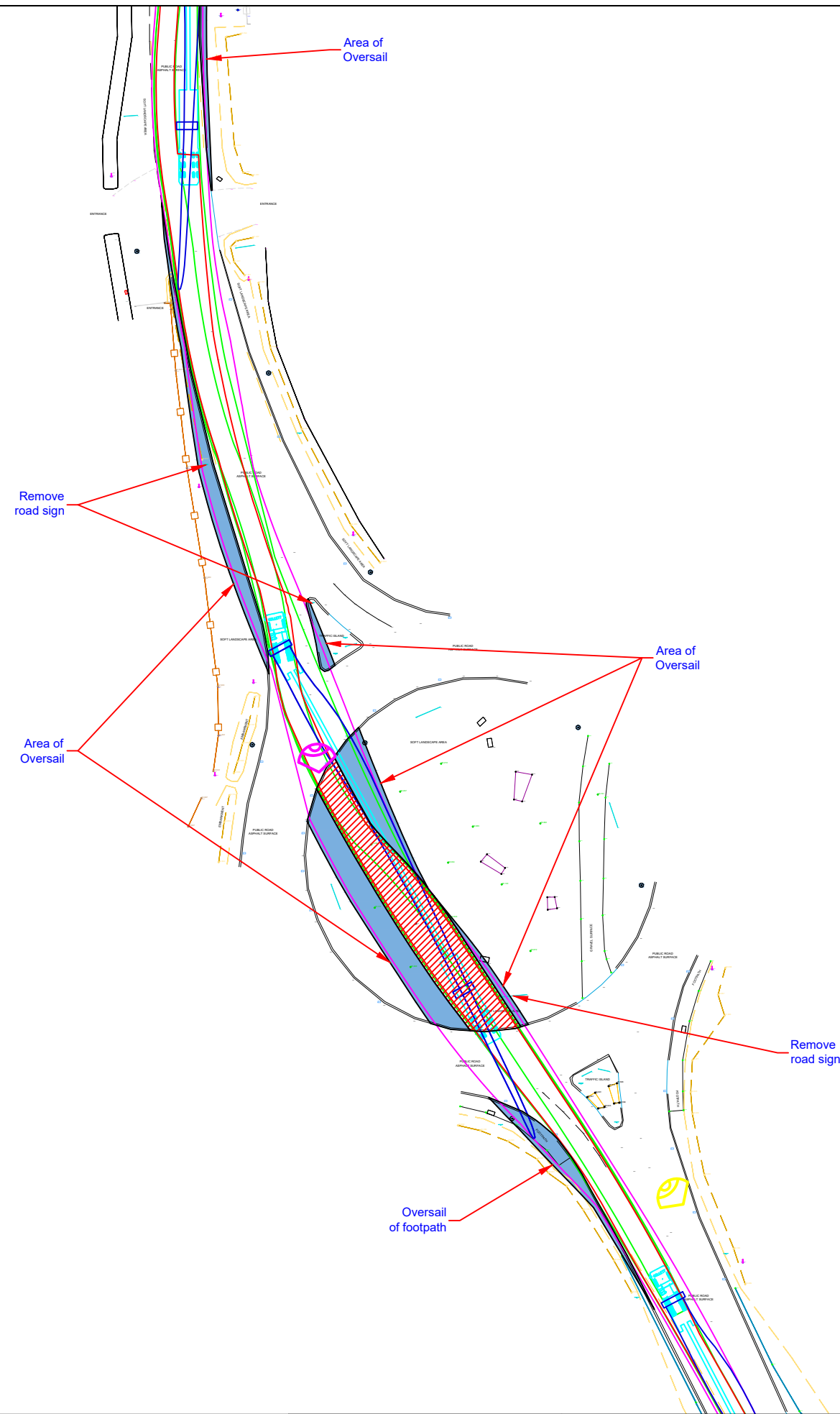
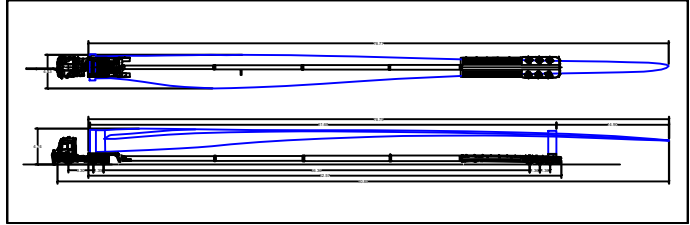
IRISH Grid Reference: R 71061 68723

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



Swept Path indicates trailer utilising MANUAL steering

Siemens Gamesa  
SG155 Blade  
Super Wing Carrier



Continue straight on R494 at the roundabout.

- \*\*Caution\*\***
- Road widening is required through the roundabout asdemarked by red hatching.
  - Oversail will occur on both sides of the road shown in solid blue shading.
  - Road signs are to be removed where indicated.
  - Manual steering & utilisation of the full extents of the road are required at this location.
  - A topographical survey is recommended once the new road/ bridge has been completed to ascertain the full extent of modifications required.

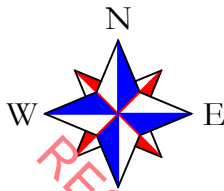
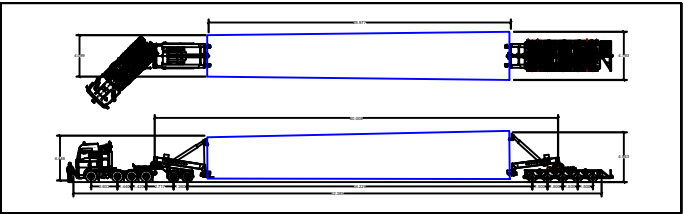
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- All dimensions in metres.

IRISH Grid Reference: R 71061 68723

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- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System



Take left/ 1st exit at the proposed roundabout  
onto bridge crossing.

**\*\*Caution\*\***

- Road widening is required to the entry splitter island and roundabout island defined by red hatching.
- Oversail will occur on both sides of the entry and the exit splitter island.
- The vehicle is to enter the roundabout via the exit lane.
- Manual steering & utilisation of the full extents of the road are required at this location.
- A topographical survey is recommended once the new road/ bridge has been completed to ascertain the full extent of modifications required.

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IRISH Grid Reference: R 70745 71927

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



**COLLETT**  
EXPERTS IN MOTION

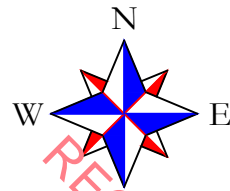
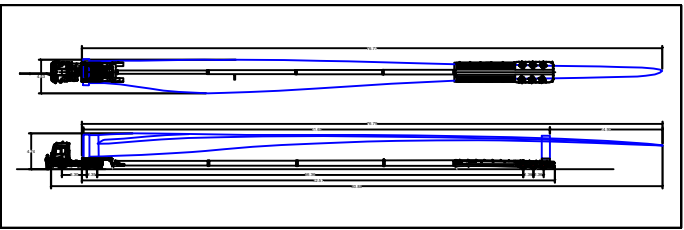
**COLLETT & SONS LIMITED**  
Victoria Terminal TEL: +44(0)8456 255288  
Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	R. WEBSTER	TITLE	PROPOSED ROUNDABOUT & RIVER CROSSING, BALLINA		
DATE	10/02/2023	MAPPING	PROVIDED BY CLIENT	CUSTOMER	EDF RENEWABLES IRELAND
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
				SITE	LACKEREAGH WIND FARM
				DWG. NO.	371606-130D1.1



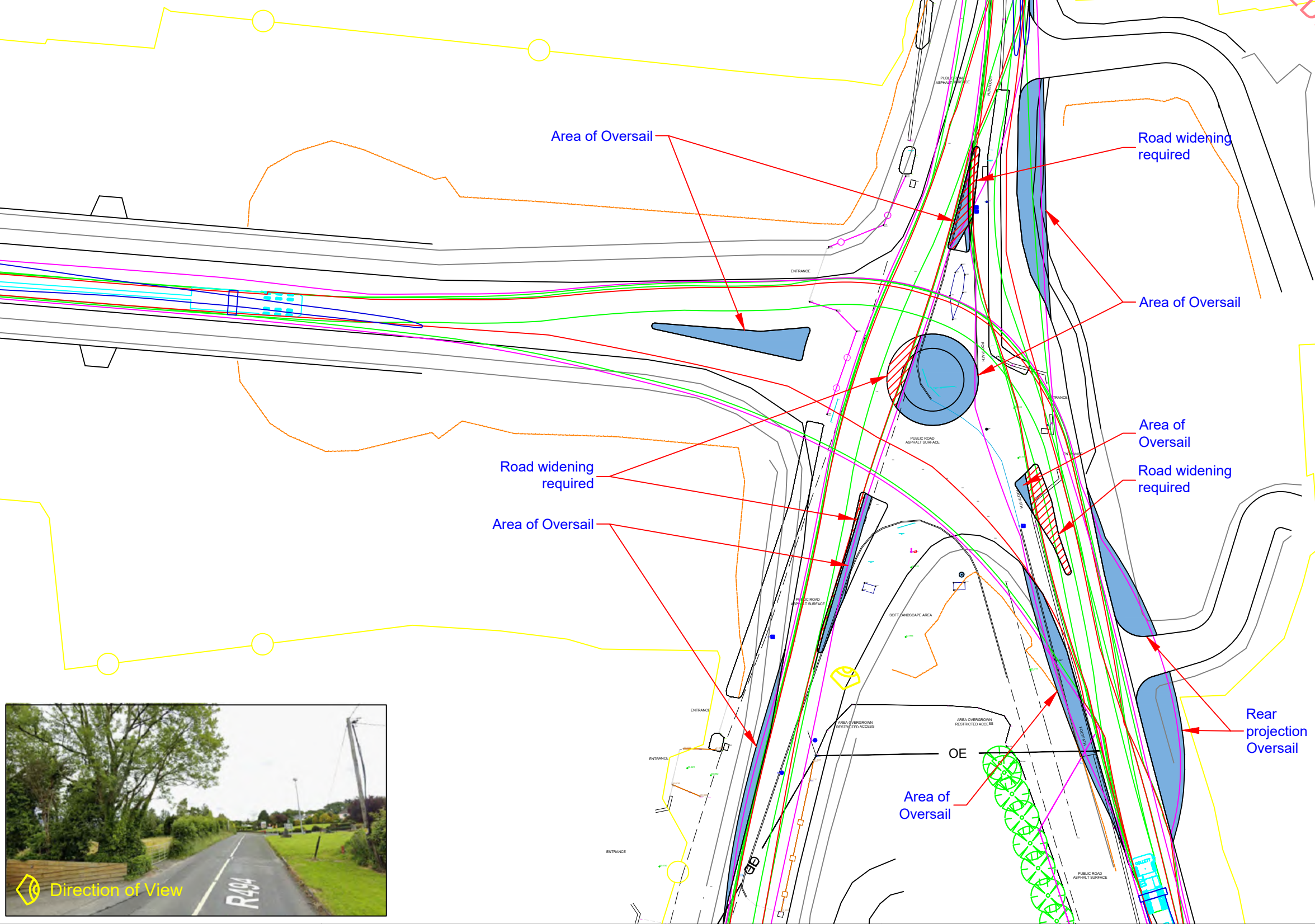
Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
SG155 Blade  
Super Wing Carrier



Continue forward across roundabout and reverse back to roundabout onto the R496. Continue forward across roundabout onto bridge crossing.  
**\*\*Caution\*\***


- Road widening is required in the red hatched areas.
- Oversail will occur in the solid blue shaded areas.
- Manual steering & utilisation of the full extents of the road are required at this location.
- A topographical survey is recommended once the new road/ bridge has been completed to ascertain the full extent of modifications required.



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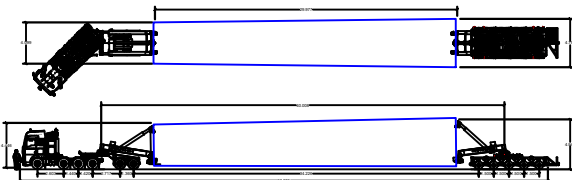
IRISH Grid Reference: R 70745 71927

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	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE PROPOSED ROUNDABOUT & RIVER CROSSING, BALLINA			
		DATE 10/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	

Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System





Continue across the proposed bridge crossing, turning left onto R463 at the proposed roundabout.  
**\*\*Caution\*\***

- Road widening is required on the entry splitter island & roundabout in the red hatching.
- Oversail will occur on both sides of the entry junction as shown in solid blue shading.
- Manual steering & utilisation of the full extents of the road are required at this location.
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IRISH Grid Reference: R 69905 72149

Area within red outline will be swept by tractor and trailer axles

Hatched area within red outline to be levelled and prepared to accept axle loadings

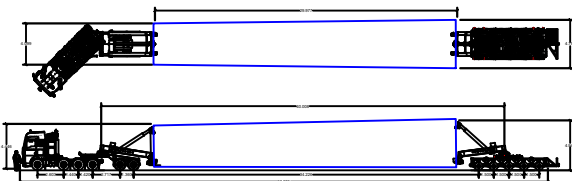
Area within magenta outline will be oversailed by load and projections

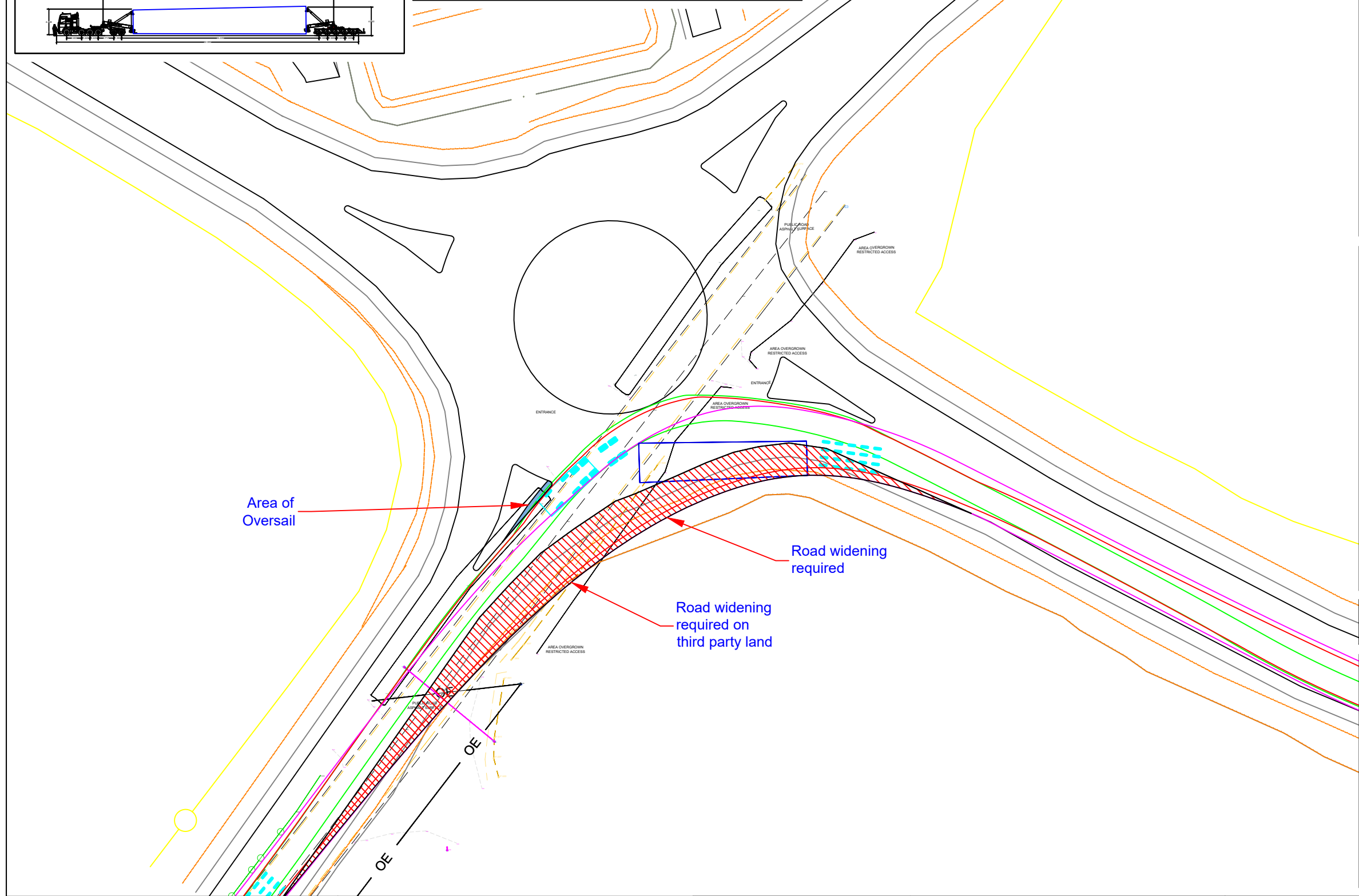
Area within green outline will be oversailed by trailer body



Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System







Continue across the proposed bridge crossing, turning left onto R463 at the proposed roundabout.  
**\*\*Caution\*\***

- Third party land is required on the nearside of the exit.
- Road widening is required on the nearside in the red hatching.
- A topographical survey is recommended once the new road/ bridge has been completed to ascertain the full extent of modifications required

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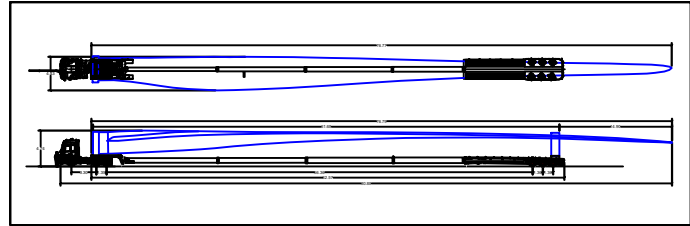
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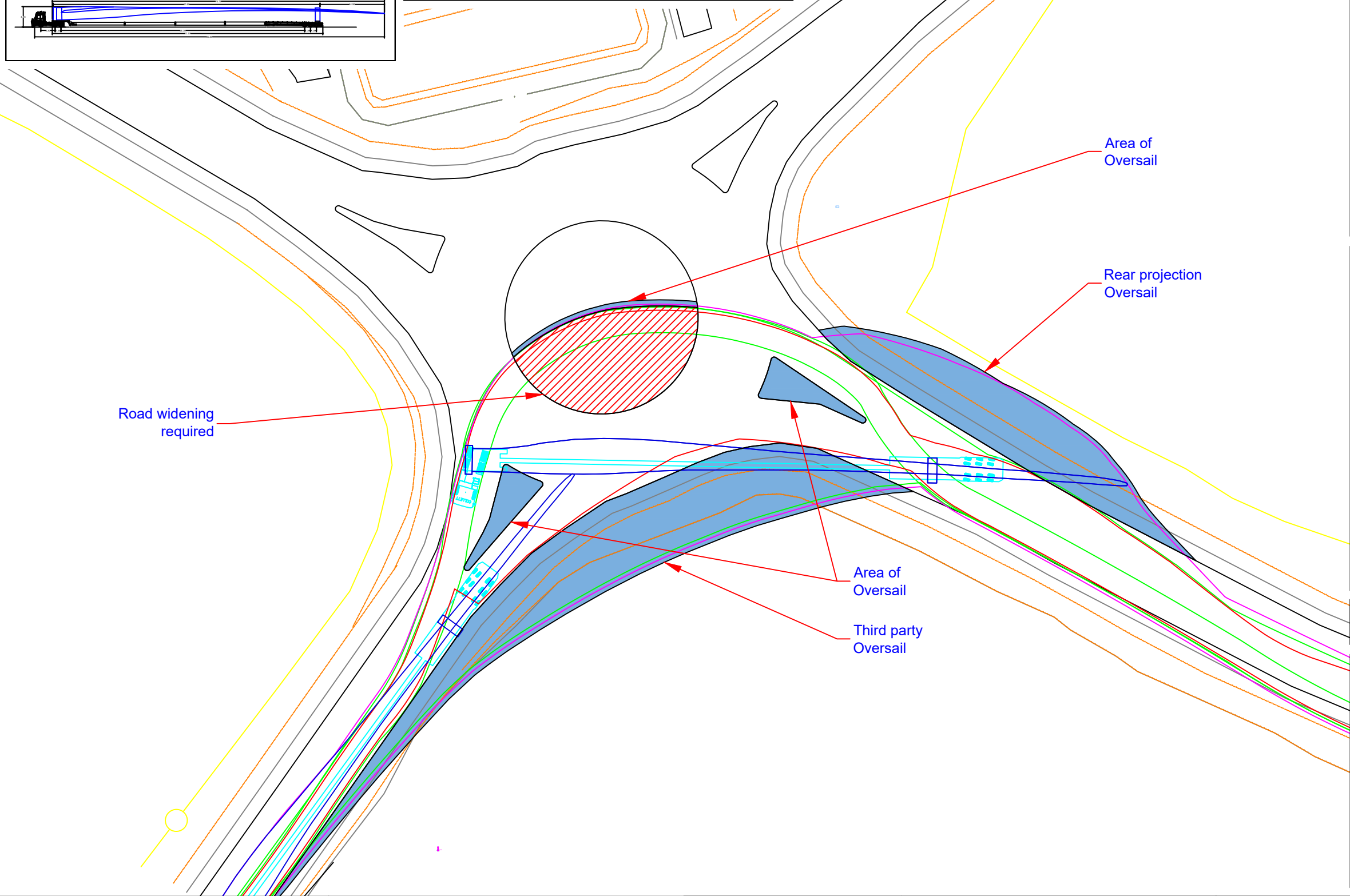
- Area within red outline will be swept by tractor and trailer axles
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 <b>COLLETT</b> EXPERTS IN MOTION	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE PROPOSED ROUNDABOUT ON R463, KILLALOE			
		DATE 10/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-140D0.2

Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
SG155 Blade  
Super Wing Carrier






Continue across the proposed bridge crossing, turning left onto R463 at the proposed roundabout.


**\*\*Caution\*\***

- Third party land is required on the nearside of the entry to allow for oversail.
- Road widening is required to the roundabout as shown in red hatching.
- Further oversail will occur on the offside of the entry and the exit & entry splitter islands.
- Manual steering & utilisation of the full extents of the road are required at this location.
- A topographical survey is recommended once the new road/ bridge has been completed to ascertain the full extent of modifications required.

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IRISH Grid Reference: R 69905 72149

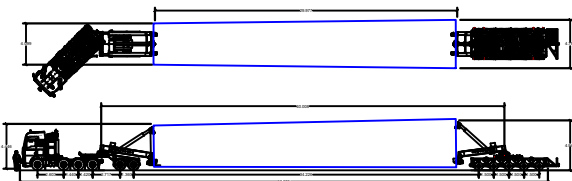
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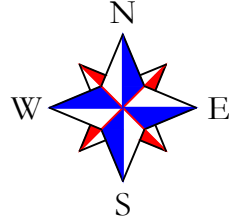
	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE PROPOSED ROUNDABOUT ON R463, KILLALOE			
		DATE 20/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-140E1.1



Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System

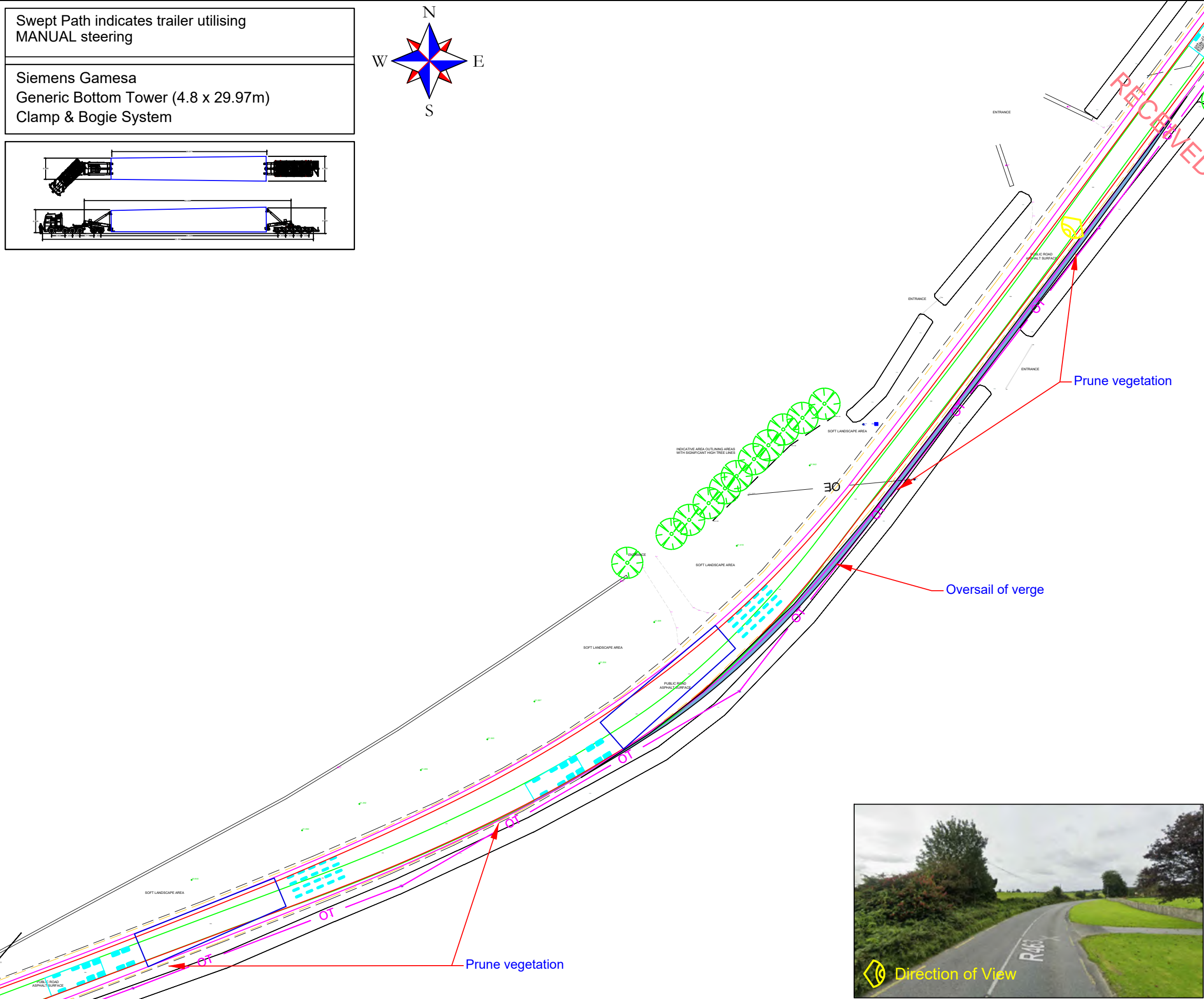




Continue on R463.

**\*\*Caution\*\***

- Oversail will occur on the nearside of the road.
- Trees/ Vegetation are to be pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.



- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
- Land take is usually referred to when land is required from Private Land Owners; road widening is usually referred to when land is required within highways boundaries. The boundaries between private land and highways property are assumed by using obvious demarcation such as fence lines/hedges etc. It should be noted that actual boundaries between highways and private land are not substantiated in this report and can only be authenticated by carrying out land searches.
- Police escorts and permits will be required for the movement of all of the components. 'Permits for movements' by the LA are a major consideration before the physical capability to deliver these components are undertaken.
- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufactures Transport Guidance Notes.
- The Turbine Manufactures Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 66778 67514

Area within red outline will be swept by tractor and trailer axles

Hatched area within red outline to be levelled and prepared to accept axle loadings

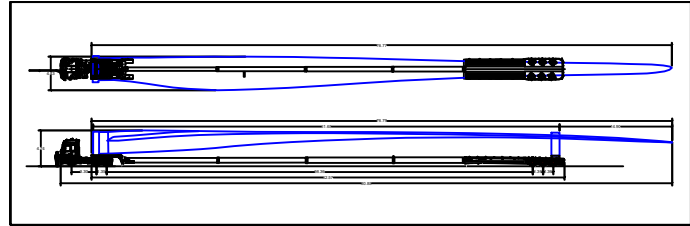
Area within magenta outline will be oversailed by load and projections

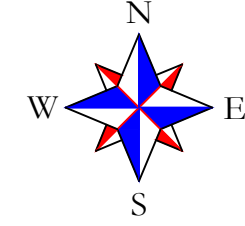
Area within green outline will be oversailed by trailer body

<div>COLLETT</div> <div>EXPERTS IN MOTION</div>	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE RIGHT BEND ON R463, KNOCKADROHID			
		DATE 23/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-150D1.1

Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
SG155 Blade  
Super Wing Carrier

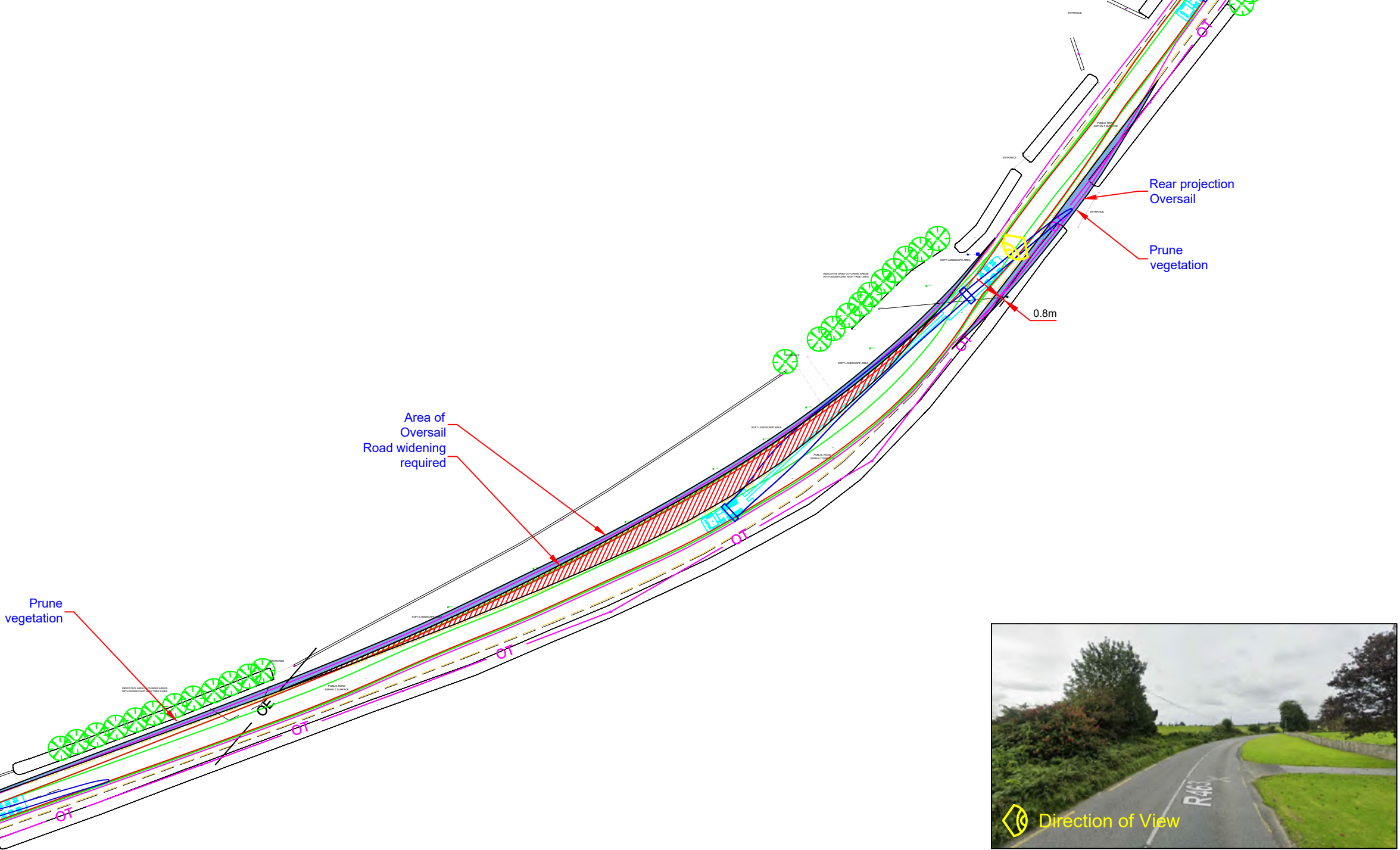




Continue on R463.

**\*\*Caution\*\***

- Road widening is required on the offside in the red hatched area.
- Oversail will occur on both sides of the road as demarked in solid blue shading.
- Trees/ Vegetation are to be pruned where indicated.
- Utilisation of the full extents of the road is required at this location.



- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
- Land take is usually referred to when land is required from Private Land Owners; road widening is usually referred to when land is required within highways boundaries. The boundaries between private land and highways property are assumed by using obvious demarcation such as fence lines/hedges etc. It should be noted that actual boundaries between highways and private land are not substantiated in this report and can only be authenticated by carrying out land searches.
- Police escorts and permits will be required for the movement of all of the components. 'Permits for movements' by the LA are a major consideration before the physical capability to deliver these components are undertaken.
- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufactures Transport Guidance Notes.
- The Turbine Manufactures Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 66778 67514

Area within red outline will be swept by tractor and trailer axles

Hatched area within red outline to be levelled and prepared to accept axle loadings

Area within magenta outline will be oversailed by load and projections

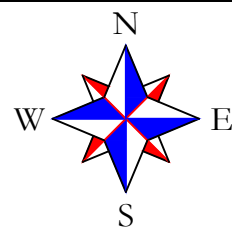
Area within green outline will be oversailed by trailer body

<div>COLLETT</div> <div>EXPERTS IN MOTION</div>	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE RIGHT BEND ON R463, KNOCKADROHID			
		DATE 23/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:750	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-150E0.1



Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
SG155 Blade  
MK4 Blade Lift Adapter



There are 2 sets of overhead cables crossing the meadow. These should be removed to provide free airspace for blade manipulation.

The meadow's ground is to be prepared to allow the necessary axle weights for transport & lifting vehicles & storage of blades

Continue on R463. Turn right onto R466 towards Broadford at the crossroad.

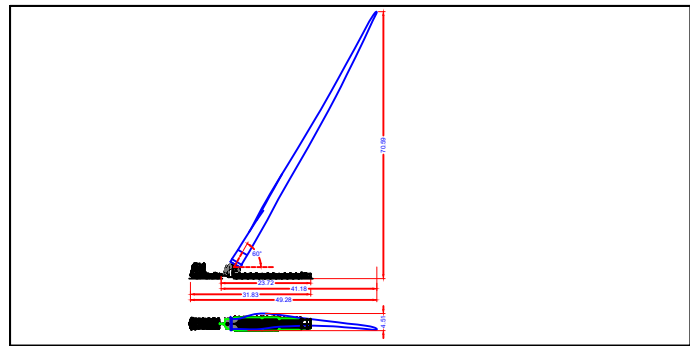
**\*\*Caution\*\***

- Third party land is required on the offside of the R463 to provide an area for transition. It is assumed that third party land has been obtained.
- Road widening is required on the offside of the R466 to provide access from the transition area, as in the red hatching.
- Rear projection Oversail will occur in the junction in the solid blue shading. further oversail occurs on the nearside of the R466.
- Two sets of overhead wires are to be removed from the meadow area.
- Boundary features are to be removed where indicated.
- Trees/ Vegetation are to be pruned where indicated.
- Additional topographical survey data may be required to clarify suitability of the transition area.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
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- Police escorts and permits will be required for the movement of all of the components. 'Permits for movements' by the LA are a major consideration before the physical capability to deliver these components are undertaken.
- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufactures Transport Guidance Notes.
- The Turbine Manufactures Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 65716 67090

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



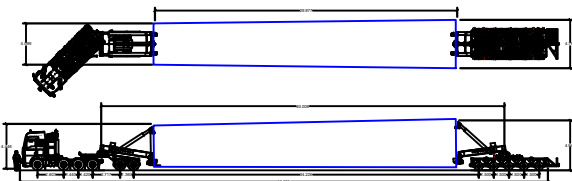
**COLLETT**  
EXPERTS IN MOTION

**COLLETT & SONS LIMITED**  
Victoria Terminal TEL: +44(0)8456 255288  
Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	R. WEBSTER	TITLE	O'BRIENSBRIDGE CROSS R463/ R466		
DATE	23/02/2023	MAPPING	PROVIDED BY CLIENT	CUSTOMER	EDF RENEWABLES IRELAND
SCALE	1:750	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
			SITE	LACKEREAGH WIND FARM	DWG. NO. 371606-160C0.1

Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System





Continue on R463. Turn right onto R466 towards Broadford at the crossroad.

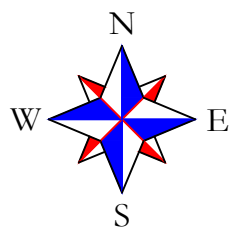
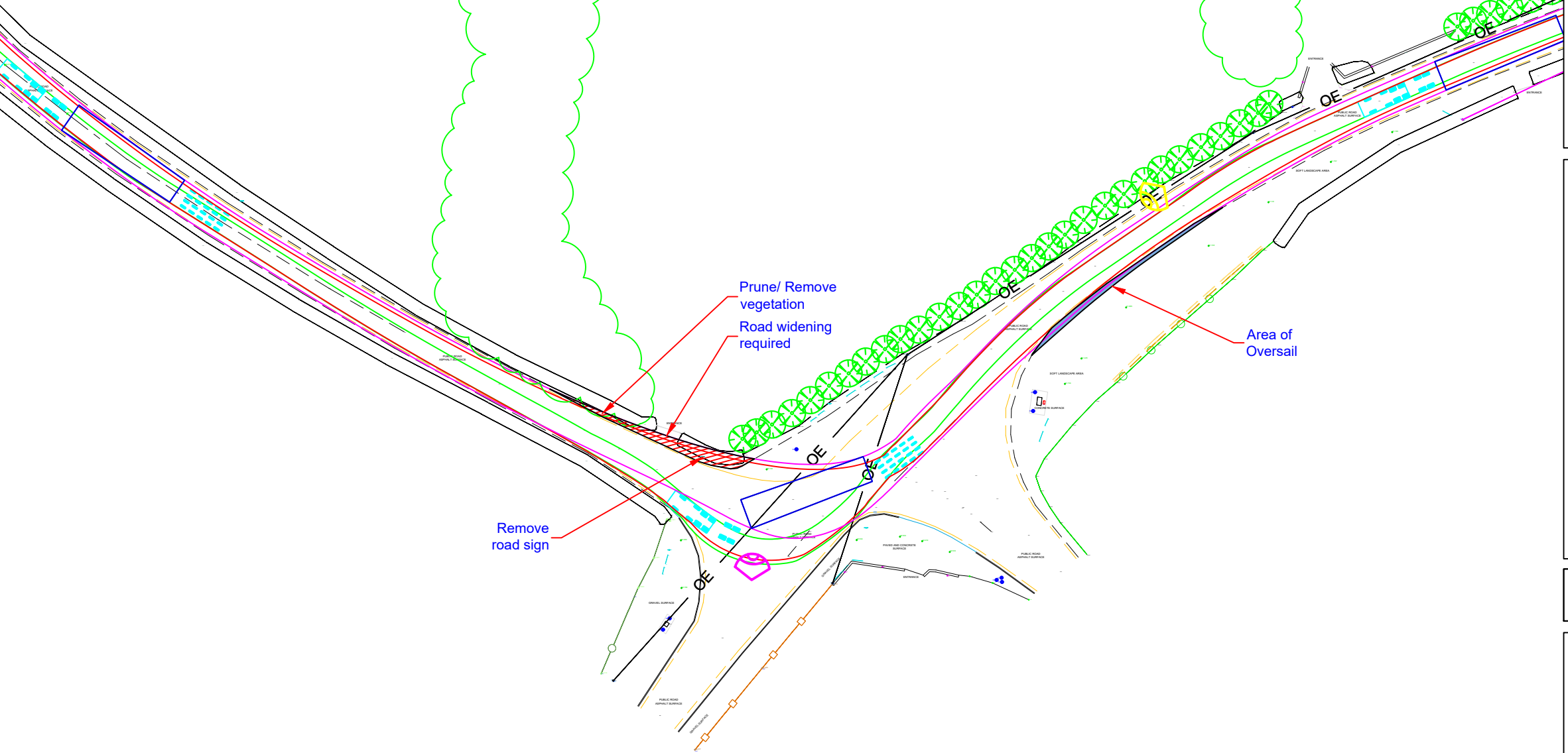
**\*\*Caution\*\***

- Road widening is required on the offside of the junction in the red hatched area.
- Oversail will occur on the nearside of the R463.
- Road sign on the offside of the R466 is to be removed.
- Trees/ Vegetation are to be pruned where indicated
- Manual steering & utilisation of the full extents of the road are required at this location.

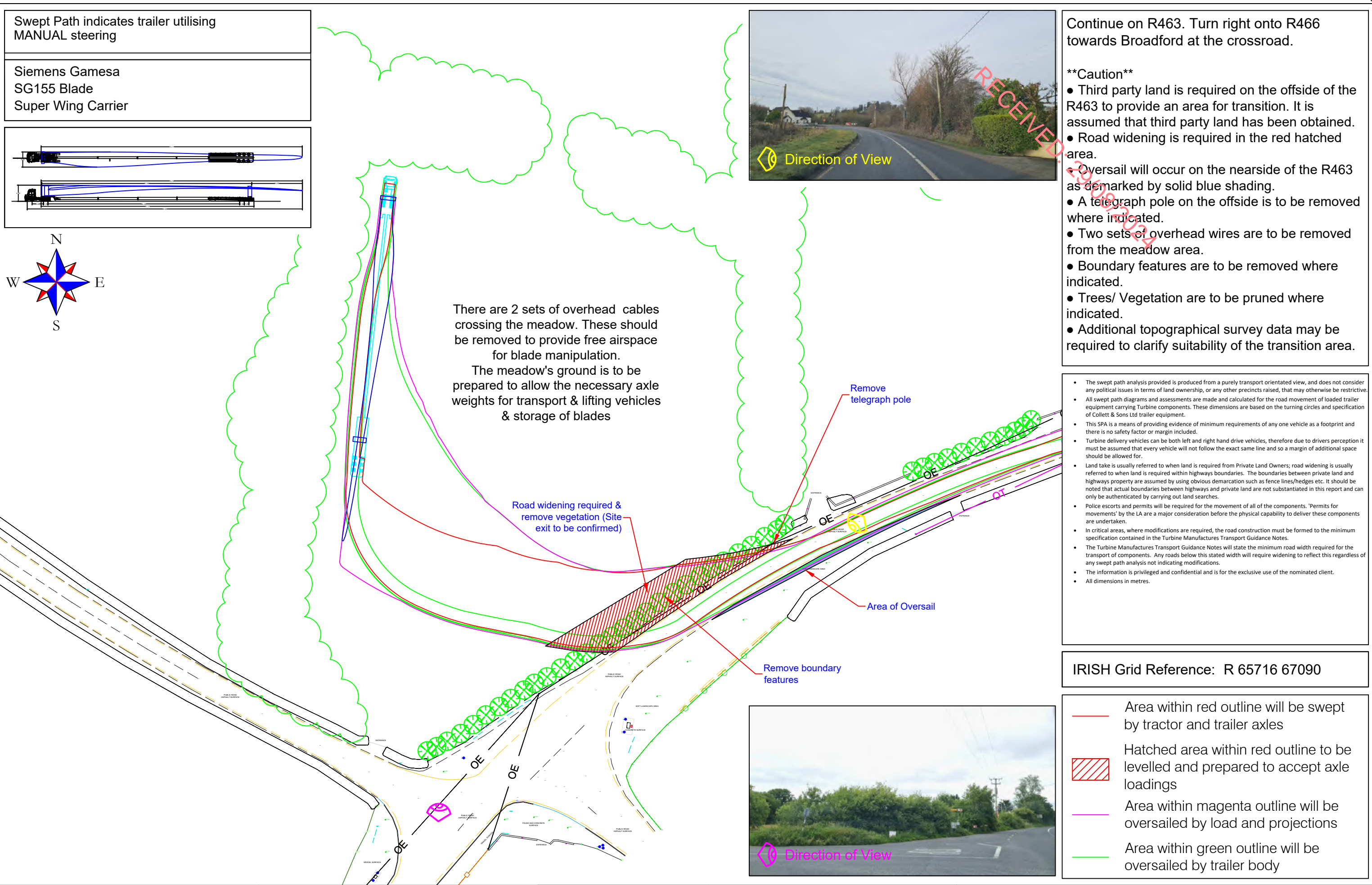
- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
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- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufactures Transport Guidance Notes.
- The Turbine Manufactures Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
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- All dimensions in metres.

IRISH Grid Reference: R 65716 67090

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

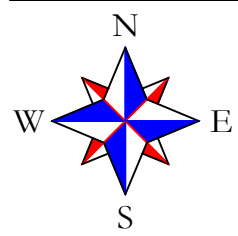






Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
SG155 Blade  
Super Wing Carrier



Continue on R463. Turn right onto R466 towards Broadford at the crossroad.

**\*\*Caution\*\***

- Third party land is required on the offside of the R463 to provide an area for transition. It is assumed that third party land has been obtained.
- Road widening is required in the red hatched area.
- Oversail will occur on the nearside of the R463 as demarked by solid blue shading.
- A telegraph pole on the offside is to be removed where indicated.
- Two sets of overhead wires are to be removed from the meadow area.
- Boundary features are to be removed where indicated.
- Trees/ Vegetation are to be pruned where indicated.
- Additional topographical survey data may be required to clarify suitability of the transition area.

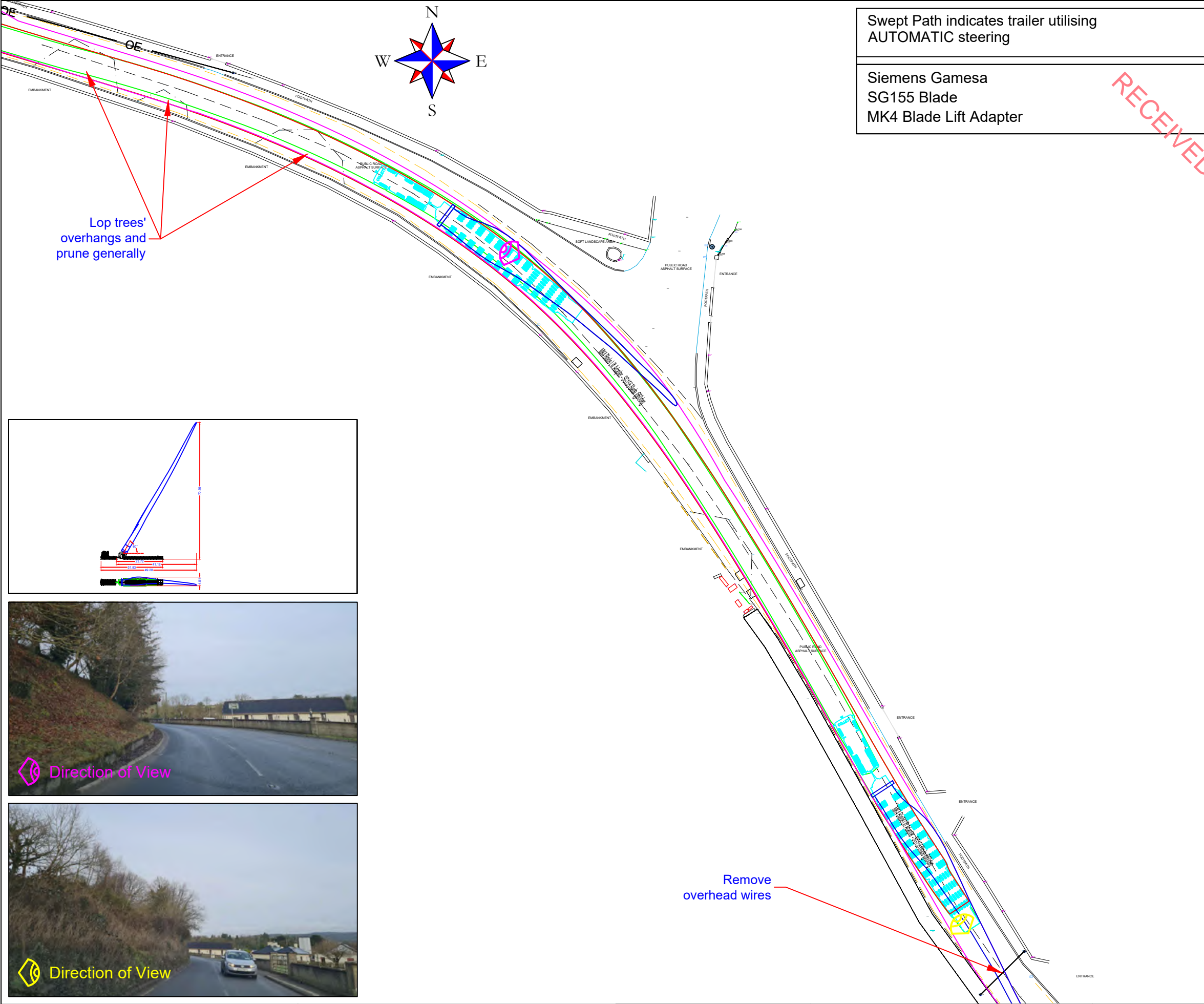
- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
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- All dimensions in metres.

IRISH Grid Reference: R 65716 67090

- Area within red outline will be swept by tractor and trailer axles
- Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



<div>COLLETT</div> <div>EXPERTS IN MOTION</div>	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE O'BRIENSBRIDGE CROSS R463/ R466			
		DATE 24/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:750	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	



Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
SG155 Blade  
MK4 Blade Lift Adapter

Continue on R466

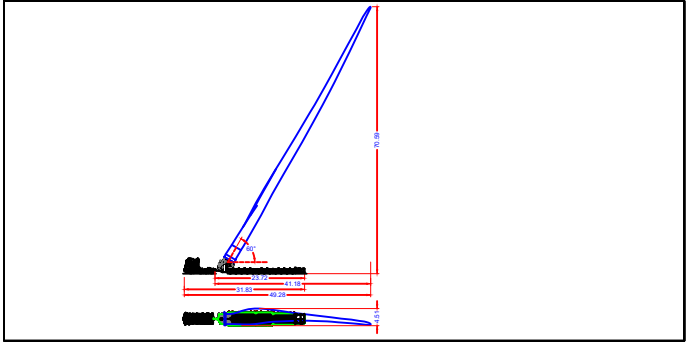
**\*\*Caution\*\***

- Lop tree overhangs & generally prune trees where indicated.
- Utilisation of the full extents of the road are required at this location.
- Overhead wires crossing the road are to be removed.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- All dimensions in metres.

IRISH Grid Reference: R 64583 67886

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

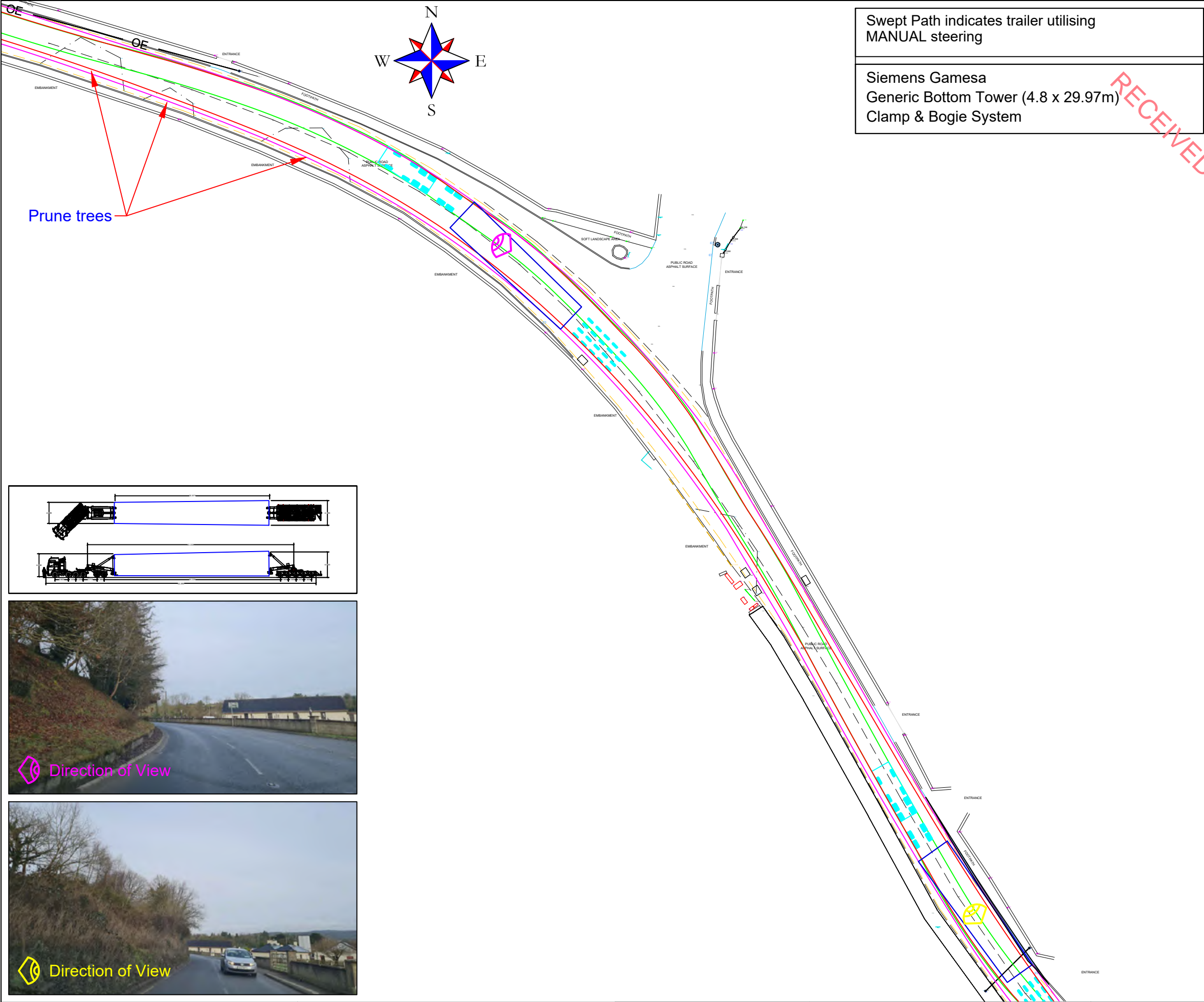


**COLLETT**  
EXPERTS IN MOTION

COLLETT & SONS LIMITED  
Victoria Terminal TEL: +44(0)8456 255288  
Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	R. WEBSTER	TITLE	LEFT BEND ON R466 @ JUNCTION WITH L3082, BRIDGETOWN		
DATE	24/02/2023	MAPPING	PROVIDED BY CLIENT	CUSTOMER	EDF RENEWABLES IRELAND
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
			SITE	LACKEREAGH WIND FARM	DWG. NO. 371606-170C0.1





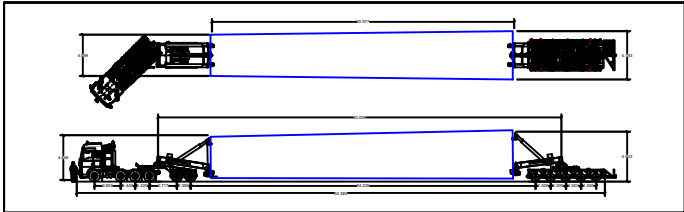
Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System

Continue on R466

**\*\*Caution\*\***

- Trees/ Vegetation are to be pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.



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- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
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- All dimensions in metres.

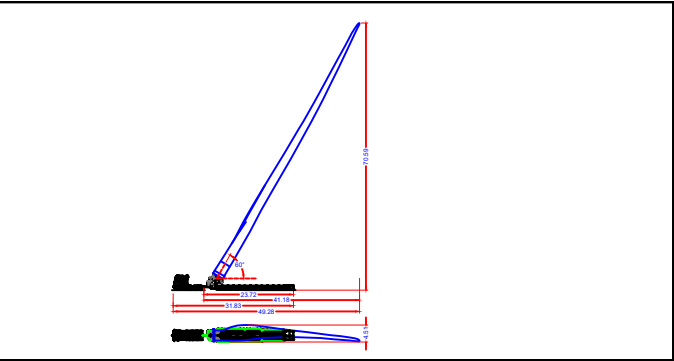
IRISH Grid Reference: R 64583 67886

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



**COLLETT & SONS LIMITED**  
Victoria Terminal TEL: +44(0)8456 255288  
Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

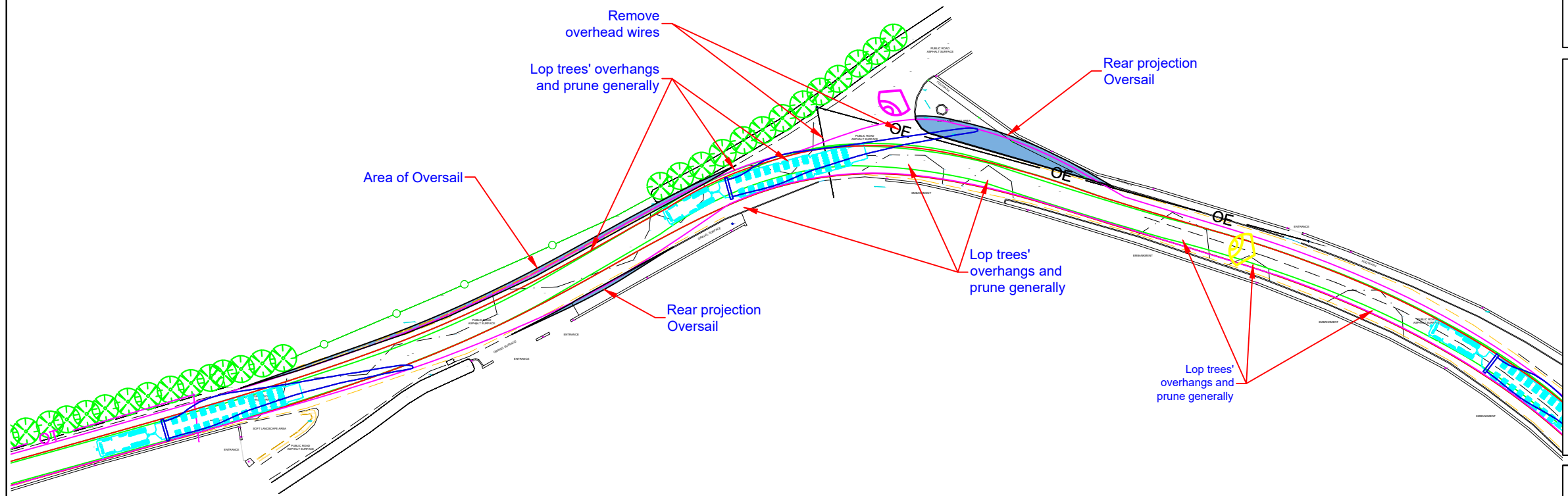
DRAWN	R. WEBSTER	TITLE	LEFT BEND ON R466 @ JUNCTION WITH L3082, BRIDGETOWN		
DATE	24/02/2023	MAPPING	PROVIDED BY CLIENT	CUSTOMER	EDF RENEWABLES IRELAND
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
				SITE	LACKEREAGH WIND FARM
				DWG. NO.	371606-170C1.1



Continue on R466


**\*\*Caution\*\***

- Oversail will occur on both sides of the road as demarked in solid blue shading.
- Lop tree overhangs & generally prune trees where indicated.
- Overhead wires crossing the road are to be removed.
- Utilisation of the full extents of the road are required at this location.




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- All dimensions in metres.

IRISH Grid Reference: R 64465 67936

- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

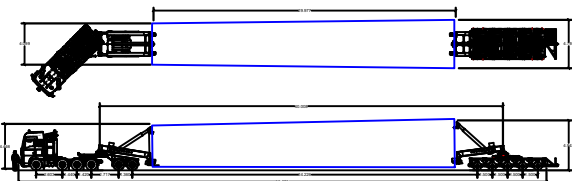


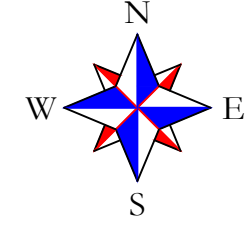
	<b>COLLETT &amp; SONS LIMITED</b>		DRAWN	R. WEBSTER	TITLE LEFT BEND ON R466 @ JUNCTION WITH RIVERDALE, BRIDGETOWN		
	Victoria Terminal TEL: +44(0)8456 255288		DATE 24/02/2023		MAPPING PROVIDED BY CLIENT	CUSTOMER	EDF RENEWABLES IRELAND
	Albert Road FAX: +44(0)8456 255244		SCALE 1:750	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT	SITE LACKEREAGH WIND FARM	DWG. NO. 371606-171C0.1
Halifax, HX2 0DF WEB: www.collett.co.uk							



Swept Path indicates trailer utilising  
AUTOMATIC steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System

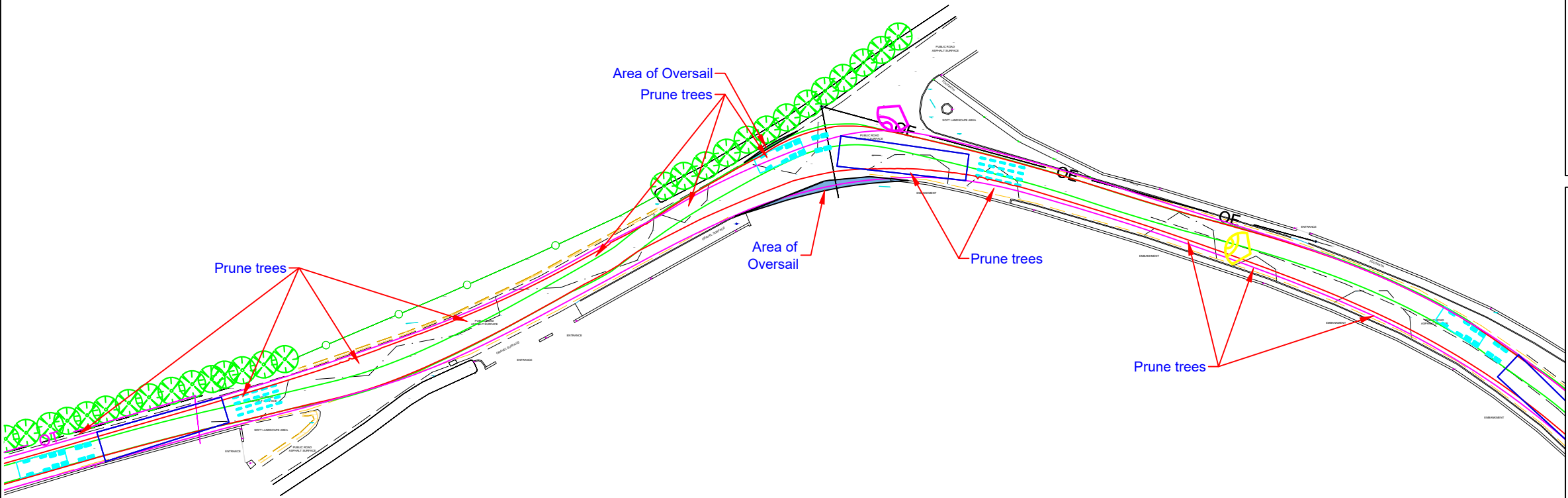




Continue on R466

**\*\*Caution\*\***

- Oversail will occur on both sides of the bend as demarked in solid blue shading.
- Trees/ Vegetation are to be pruned where indicated.
- Utilisation of the full extents of the road are required at this location.



- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
- Land take is usually referred to when land is required from Private Land Owners; road widening is usually referred to when land is required within highways boundaries. The boundaries between private land and highways property are assumed by using obvious demarcation such as fence lines/hedges etc. It should be noted that actual boundaries between highways and private land are not substantiated in this report and can only be authenticated by carrying out land searches.
- Police escorts and permits will be required for the movement of all of the components. 'Permits for movements' by the LA are a major consideration before the physical capability to deliver these components are undertaken.
- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufactures Transport Guidance Notes.
- The Turbine Manufactures Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 64465 67936

Area within red outline will be swept by tractor and trailer axles

Hatched area within red outline to be levelled and prepared to accept axle loadings

Area within magenta outline will be oversailed by load and projections

Area within green outline will be oversailed by trailer body



<b>COLLETT</b> EXPERTS IN MOTION	COLLETT & SONS LIMITED		DRAWN	R. WEBSTER	TITLE				LEFT BEND ON R466 @ JUNCTION WITH RIVERDALE, BRIDGETOWN												
	Victoria Terminal TEL: +44(0)8456 255288		DATE		24/02/2023		MAPPING		PROVIDED BY CLIENT		CUSTOMER		EDF RENEWABLES IRELAND								
	Albert Road FAX: +44(0)8456 255244		SCALE		1:750		SIZE		A3		PINCH POINT IDENTIFIED BY		COLLETT		SITE		LACKEREAGH WIND FARM		DWG. NO. 371606-171D0.1		
Halifax, HX2 0DF		WEB: www.collett.co.uk																			

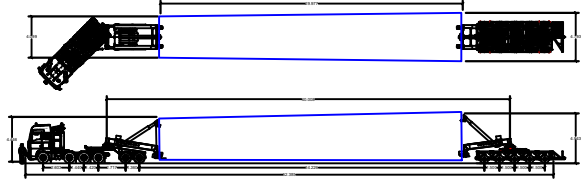






Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System






Continue on R466


**\*\*Caution\*\***

- Hedgerows are to be pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- A topographical survey is recommended to ascertain the full extent of modifications required.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
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- Police escorts and permits will be required for the movement of all of the components. 'Permits for movements' by the LA are a major consideration before the physical capability to deliver these components are undertaken.
- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufactures Transport Guidance Notes.
- The Turbine Manufactures Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

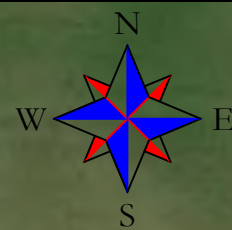
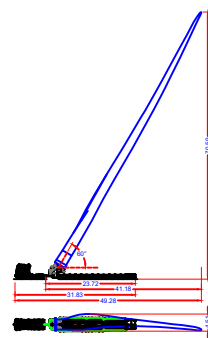
IRISH Grid Reference: R 61943 69490

- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

 <b>COLLETT</b> EXPERTS IN MOTION	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE CROSSROAD ON R466 nr GLENOMEARA			
		DATE 24/02/2023		MAPPING AERIAL IMAGERY		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-173D1.1



Siemens Gamesa  
SG155 Blade  
MK4 Blade Lift Adapter



## Prune hedgerow

Remove overhead wires

## Prune hedgerow



**COLLETT**  
EXPERTS IN MOTION

**COLLETT & SONS LIMITED**  
Victoria Terminal TEL: +44(0)8456 255288  
Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: [www.collett.co.uk](http://www.collett.co.uk)

DRAWN		R. WEBSTER	
DATE		24/02/2023	
SCALE	1:500	SIZE	A3

TITLE		RIGHT BEND ON R466 nr GLENOMEARA	
MAPPING	AERIAL IMAGERY	CUSTOMER	EDF RENEWABLES IRELAND
PINCH POINT IDENTIFIED BY	COLLETT	SITE	LACKEREAGH WIND FARM   DWG. NO. 371606-174C1.1


Continue on R466

**\*\*Caution\*\***

- Hedgerows are to be pruned where indicated.
- Remove overhead wires that cross the road where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- A topographical survey is recommended to ascertain the full extent of modifications required.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- All dimensions in metres.

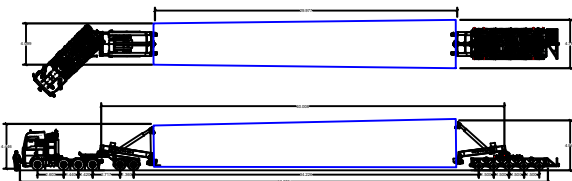
IRISH Grid Reference: R 61936 69775

- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System






Continue on R466

**\*\*Caution\*\***


- Hedgerows are to be pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- A topographical survey is recommended to ascertain the full extent of modifications required.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- All dimensions in metres.

IRISH Grid Reference: R 61936 69775

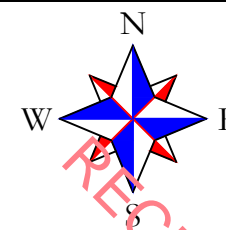
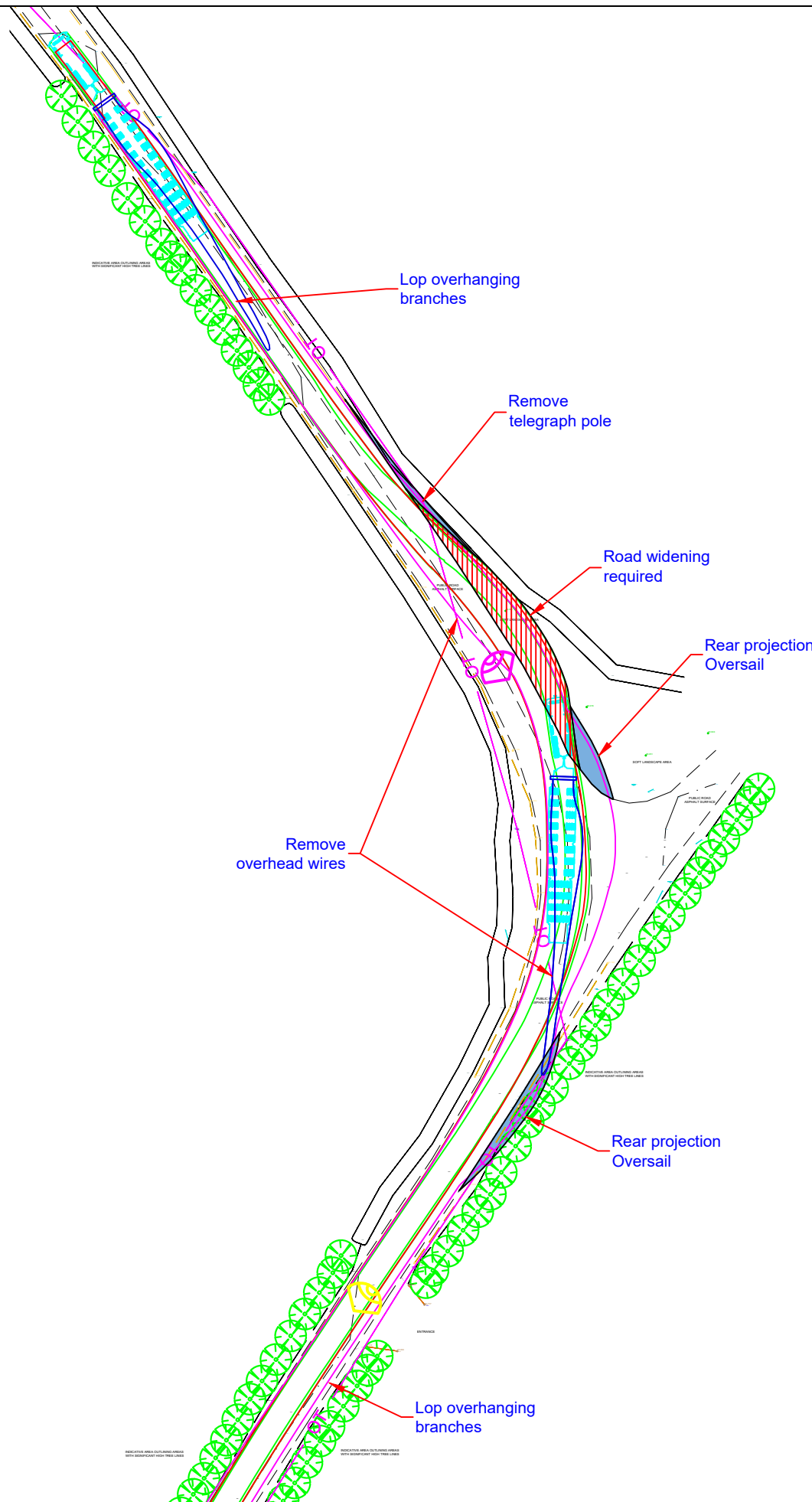
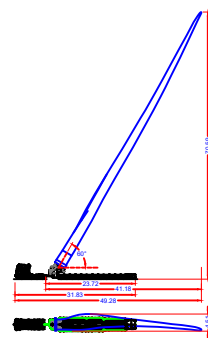
- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



 <b>COLLETT</b> EXPERTS IN MOTION	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE RIGHT BEND ON R466 nr GLENOMEARA			
		DATE 24/02/2023		MAPPING AERIAL IMAGERY		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-174D1.1



Siemens Gamesa  
SG155 Blade  
MK4 Blade Lift Adapter




**\*\*Caution\*\***

- Road widening is required on the offside as the red hatching.
- Oversail will occur on the offside, either side of the bend as demarked in solid blue shading.
- Telegraph pole to be removed on the offside after the bend.
- Overhanging tree branches are to be lopped where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precinets raised, that may otherwise be restrictive
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
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- Police escorts and permits will be required for the movement of all of the components. 'Permits for movements' by the LA are a major consideration before the physical capability to deliver these components are undertaken.
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- The Turbine Manufacturers Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 62249 70335

- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

**COLLETT**  
EXPERTS IN MOTION

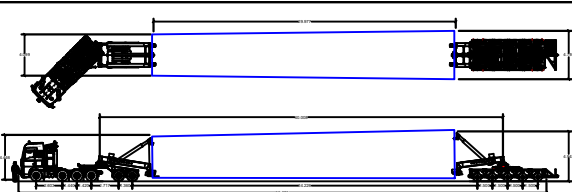
**COLLETT & SONS LIMITED**  
Victoria Terminal TEL: +44(0)8456 255288  
Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: [www.collett.co.uk](http://www.collett.co.uk)

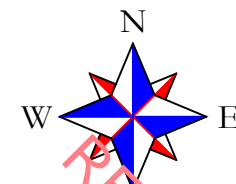
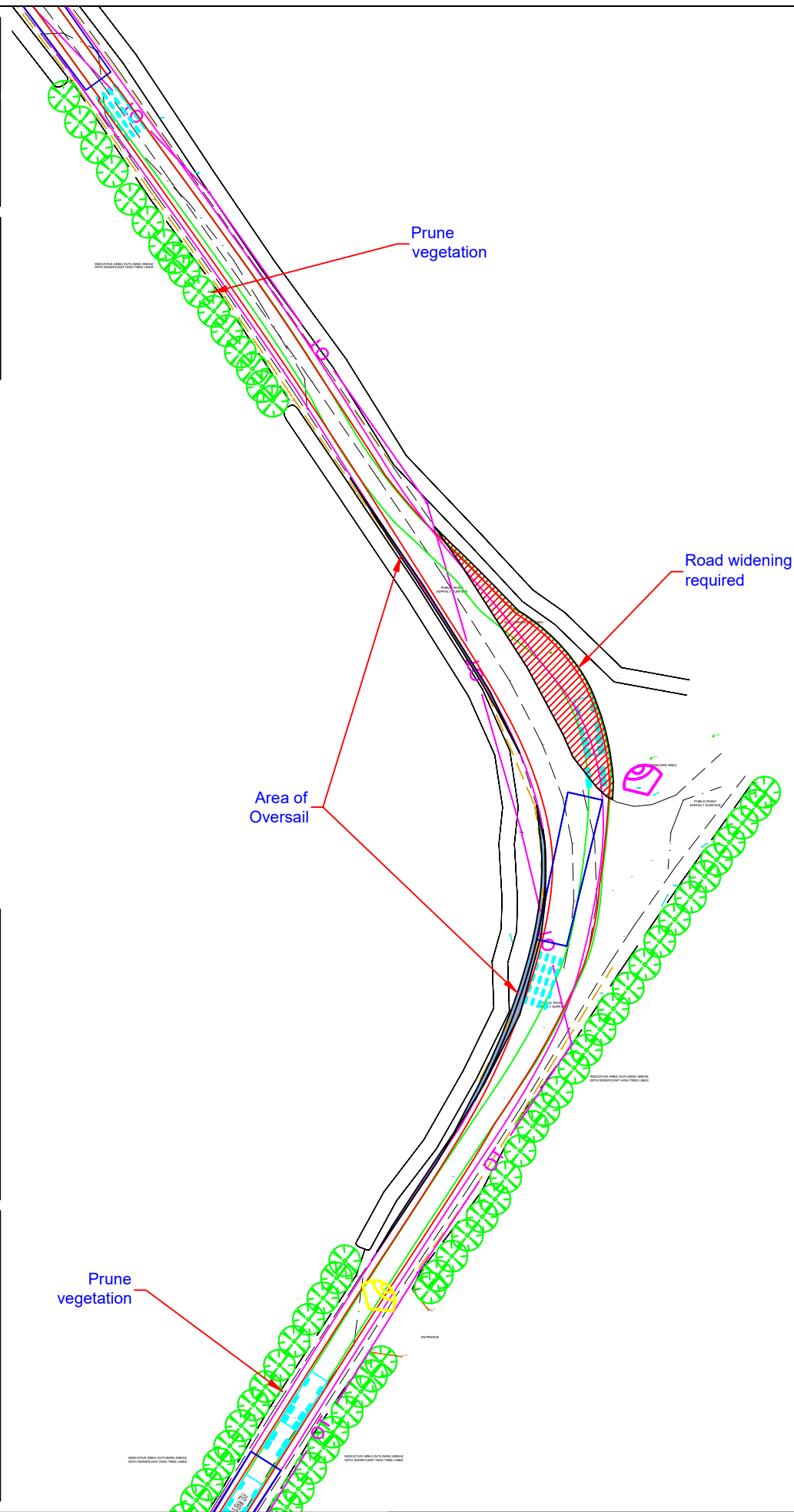
DRAWN		R. WEBSTER		TITLE		LEFT BEND ON R466 @ JUNCTION WITH L3022-8, GLENOMEARA	
DATE		24/02/2023		MAPPING		PROVIDED BY CLIENT	
				CUSTOMER		EDF RENEWABLES IRELAND	
SCALE	1:750	SIZE	A3	PINCH POINT IDENTIFIED BY		COLLETT	SITE
						LACKEREAGH WIND FARM	DWG. NO. 371606-180C1.1



Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System






Continue on R466

**\*\*Caution\*\***

- Road widening is required on the offside of the bend as per the red hatching.
- Oversail will occur on the nearside of the bend as demarked in solid blue shading.
- Vegetation is to be pruned where indicated.
- Utilisation of the full extents of the road are required at this location.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
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- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufactures Transport Guidance Notes.
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- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 62249 70335

- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

**COLLETT**  
EXPERTS IN MOTION

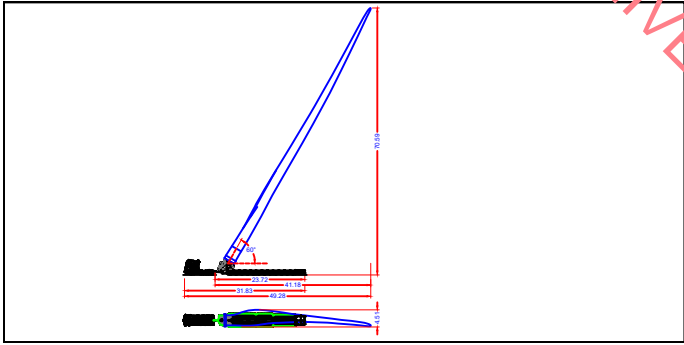
**COLLETT & SONS LIMITED**  
Victoria Terminal TEL: +44(0)8456 255288  
Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: [www.collett.co.uk](http://www.collett.co.uk)

DRAWN	R. WEBSTER	TITLE	LEFT BEND ON R466 @ JUNCTION WITH L3022-8, GLENOMEARA		
DATE	24/02/2023	MAPPING	PROVIDED BY CLIENT	CUSTOMER	EDF RENEWABLES IRELAND
SCALE	1:750	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
			SITE	LACKEREAGH WIND FARM	DWG. NO. 371606-180D0.1



Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
SG155 Blade  
MK4 Blade Lift Adapter



Continue on R466

**\*\*Caution\*\***

- The blade is to be lowered to pass underneath the overhead HV cables.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- All dimensions in metres.

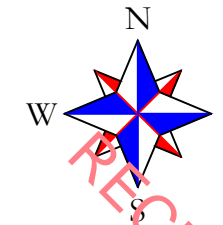
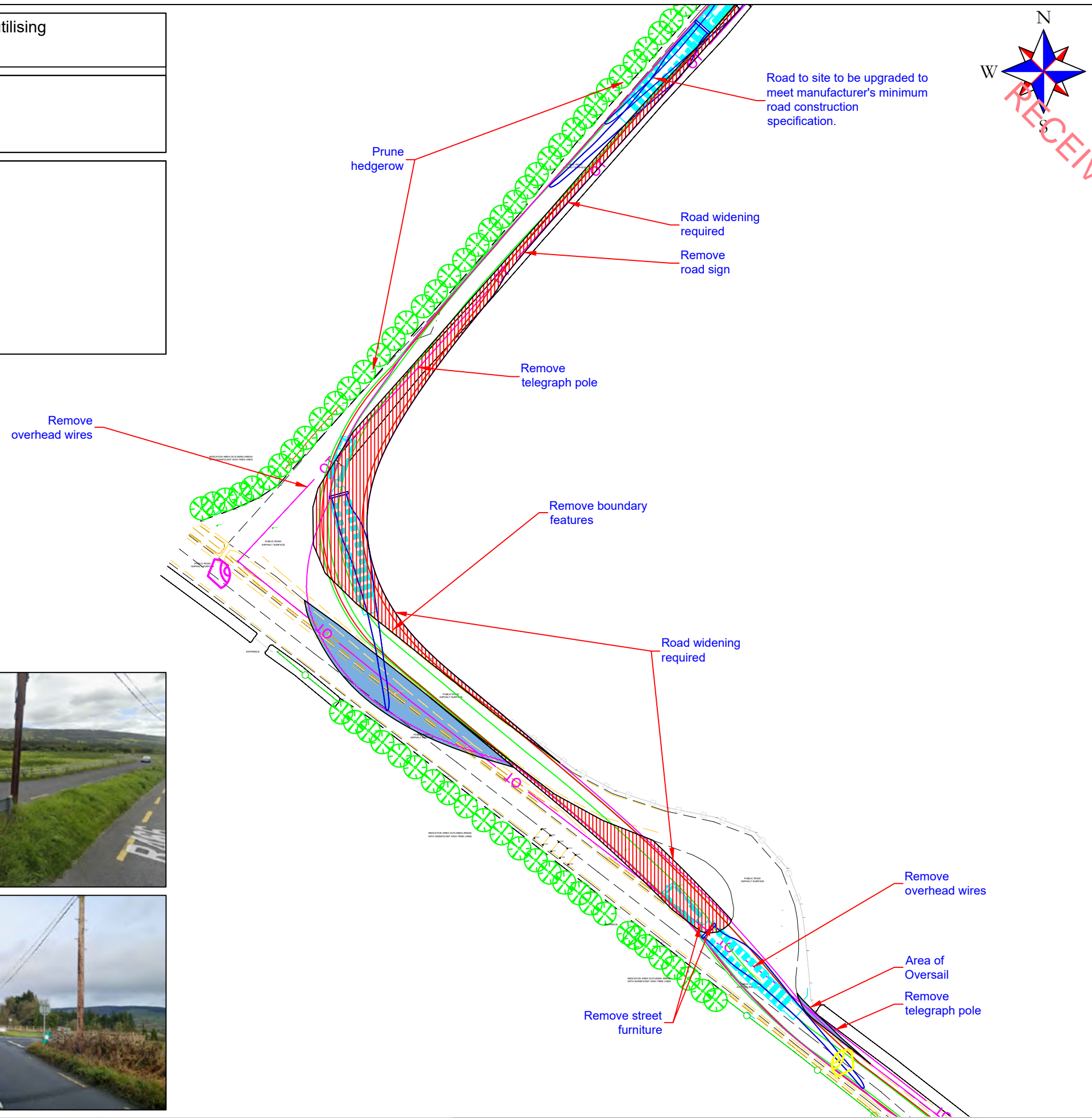
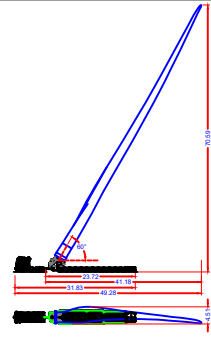
IRISH Grid Reference: R 61390 71566

- Area within red outline will be swept by tractor and trailer axles
- Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body






Siemens Gamesa  
SG155 Blade  
MK4 Blade Lift Adapter



- Third party land is required on the offside of the bend for road widening.
- Further road widening is required in the junction. Road widening is indicated by red hatching.
- Oversail will occur on both sides of the road as demarked in solid blue hatching.
- Street furniture is to be removed where indicated.
- Overhead wires crossing the junction are to be removed.
- Boundary features are to be removed where indicated.
- Trees/ Vegetation are to be pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- Road to site to be upgraded to meet manufacturer's minimum road construction specification.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- All dimensions in metres.

IRISH Grid Reference: R 60932 71945

- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

**COLLETT**  
EXPERTS IN MOTION

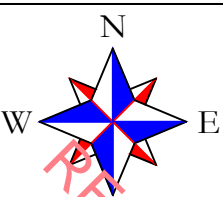
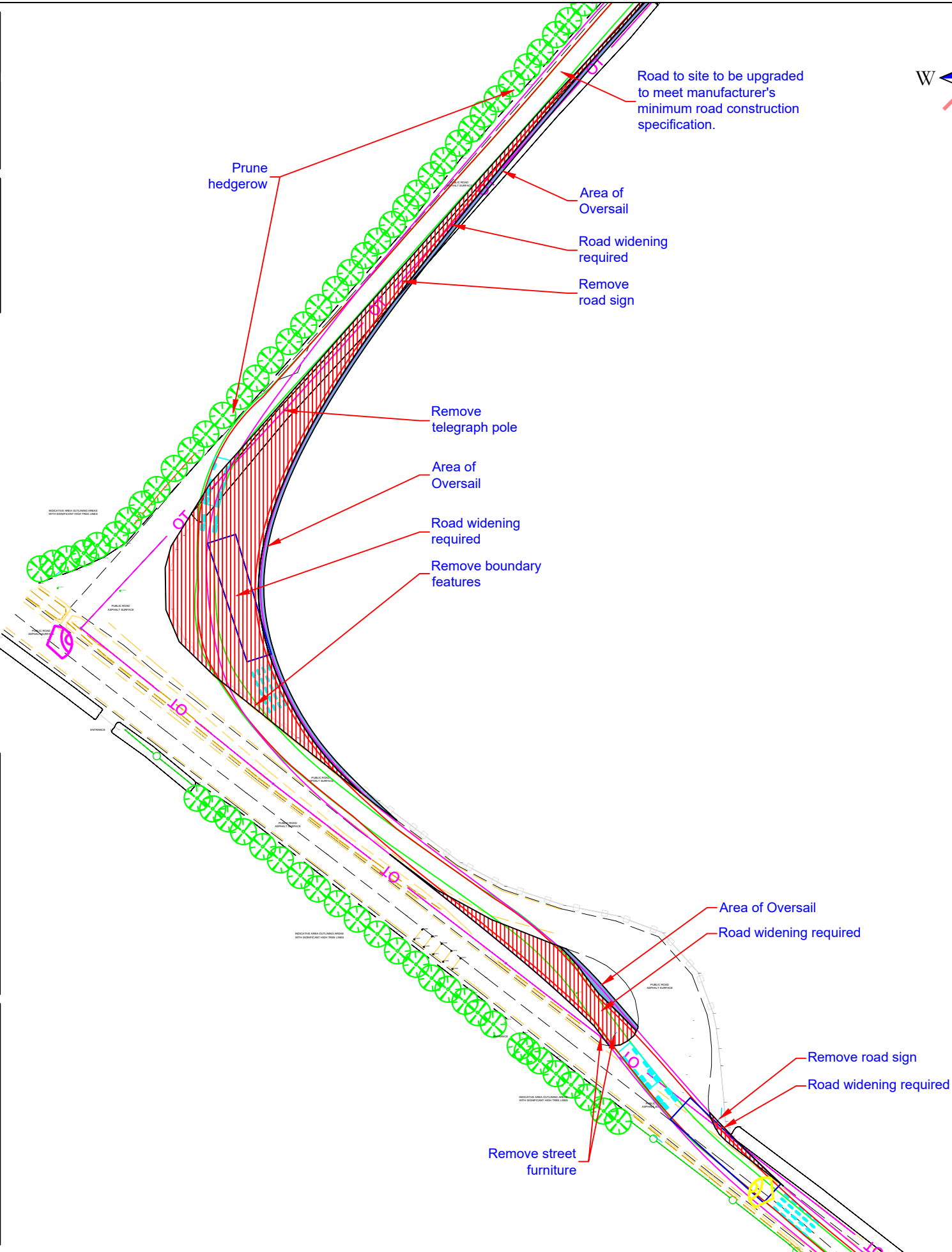
**COLLETT & SONS LIMITED**  
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Halifax, HX2 0DF WEB: [www.collett.co.uk](http://www.collett.co.uk)

DRAWN		R. WEBSTER	
DATE		27/02/2023	
SCALE	1:750	SIZE	A3

TITLE		R466 JUNCTION WITH L3022-0	
MAPPING	PROVIDED BY CLIENT	CUSTOMER	EDF RENEWABLES IRELAND
PINCH POINT IDENTIFIED BY	COLLETT	SITE	LACKEREAGH WIND FARM DWG. NO. 371606-190C1.1

Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System



Continue on R466. Turn right onto L3022-0 towards Kilbane.

**\*\*Caution\*\***

- Third party land is required on the offside of the bend for road widening and oversail.
- Road widening is required in the red hatched areas.
- Oversail will occur on the offside, shown in blue shading.
- Street furniture is to be removed where indicated.
- Boundary features are to be removed where indicated.
- Trees/ Vegetation are to be pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- Road to site to be upgraded to meet manufacturer's minimum road construction specification.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
- Land take is usually referred to when land is required from Private Land Owners; road widening is usually referred to when land is required within highways boundaries. The boundaries between private land and highways property are assumed by using obvious demarcation such as fence lines/hedges etc. It should be noted that actual boundaries between highways and private land are not substantiated in this report and can only be authenticated by carrying out land searches.
- Police escorts and permits will be required for the movement of all of the components. 'Permits for movements' by the LA are a major consideration before the physical capability to deliver these components are undertaken.
- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufactures Transport Guidance Notes.
- The Turbine Manufactures Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 60932 71945

Area within red outline will be swept by tractor and trailer axles

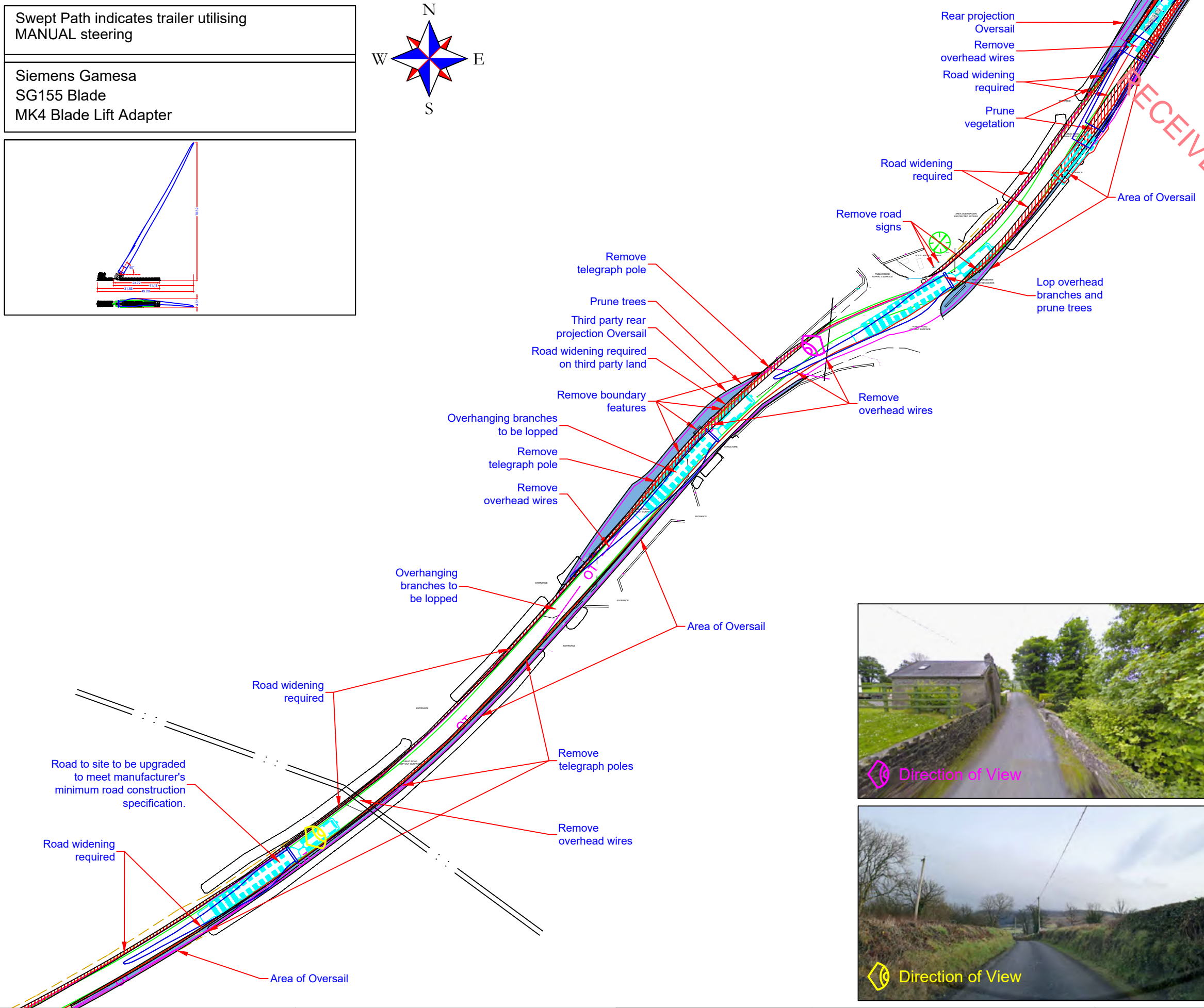
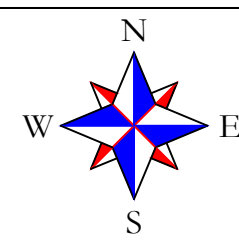
Hatched area within red outline to be levelled and prepared to accept axle loadings

Area within magenta outline will be oversailed by load and projections

Area within green outline will be oversailed by trailer body

<div>COLLETT</div> <div>EXPERTS IN MOTION</div>	COLLETT & SONS LIMITED		DRAWN R. WEBSTER		TITLE R466 JUNCTION WITH L3022-0			
	Victoria Terminal TEL: +44(0)8456 255288		DATE 27/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
	Albert Road FAX: +44(0)8456 255244		SCALE 1:750 SIZE A3		PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	
	Halifax, HX2 0DF WEB: www.collett.co.uk						DWG. NO. 371606-190C1.1	









Continue on L3022-0. Continue straight forward at the crossroad onto L7080.


**\*\*Caution\*\***

- Third party land is required on the nearside for road widening & oversail.
- Road widening is required on both sides of the road as shown by red hatching.
- Oversail will occur on both sides of the road as demarked by solid blue shading.
- Overhead wires crossing the road are to be removed where indicated.
- Street furniture is to be removed where indicated.
- Boundary features are to be removed where indicated.
- Trees/ Vegetation are to be lopped/ pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- Road to site to be upgraded to meet manufacturer's minimum road construction specification.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precursors raised, that may otherwise be restrictive
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
- Land take is usually referred to when land is required from Private Land Owners; road widening is usually referred to when land is required within highways boundaries. The boundaries between private land and highways property are assumed by using obvious demarcation such as fence lines/hedges etc. It should be noted that actual boundaries between highways and private land are not substantiated in this report and can only be authenticated by carrying out land searches.
- Police escorts and permits will be required for the movement of all of the components. 'Permits for movements' by the LA are a major consideration before the physical capability to deliver these components are undertaken.
- In critical areas, where modifications are required, the road construction must be formed to the minimum specification contained in the Turbine Manufacturers Transport Guidance Notes.
- The Turbine Manufacturers Transport Guidance Notes will state the minimum road width required for the transport of components. Any roads below this stated width will require widening to reflect this regardless of any swept path analysis not indicating modifications.
- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

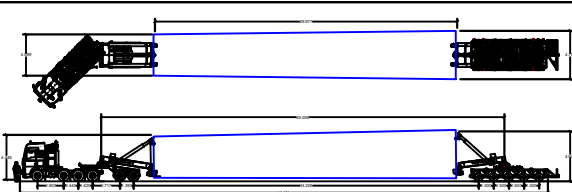


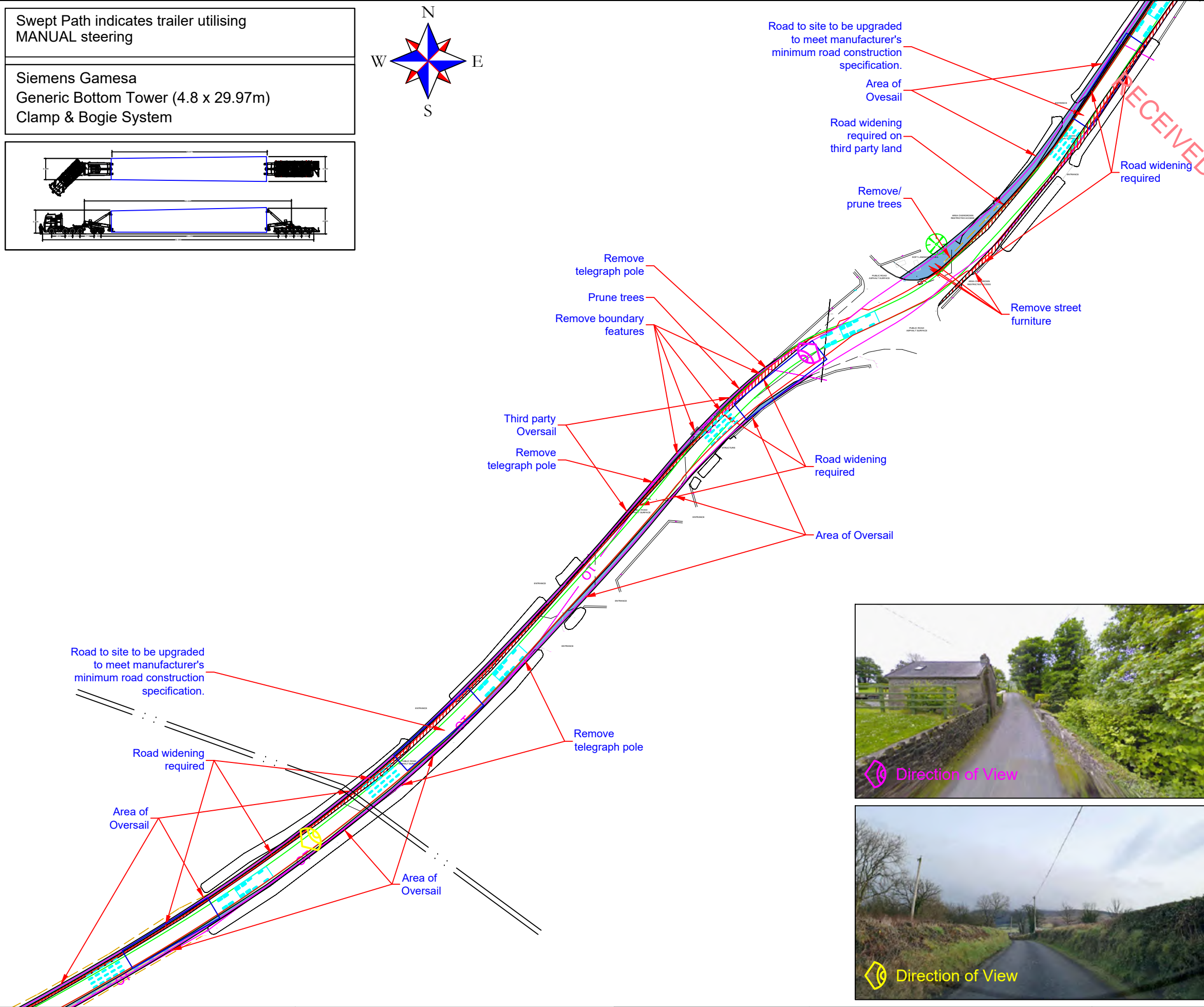
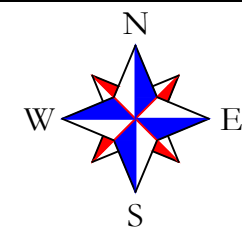
- IRISH Grid Reference: R 61976 72545
- |   |   |
|---|---|
|  | Area within red outline will be swept by tractor and trailer axles                  |
|  | Hatched area within red outline to be levelled and prepared to accept axle loadings |
|  | Area within magenta outline will be oversailed by load and projections              |
|  | Area within green outline will be oversailed by trailer body                        |

	COLLETT & SONS LIMITED		DRAWN R. WEBSTER		TITLE CROSSROAD JUNCTION, KILBANE			
	Victoria Terminal TEL: +44(0)8456 255288		DATE 28/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
	Albert Road FAX: +44(0)8456 255244		SCALE 1:750 SIZE A3		PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	
Halifax, HX2 0DF WEB: www.collett.co.uk		DWG. NO. 371606-200C1.1						

Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System





Continue on L3022-0. Continue straight forward at the crossroad onto L7080.


**\*\*Caution\*\***

- Third party land is required on the nearside for Oversail.
- Road widening is required on both sides of the road demarked by red hatching.
- Oversail will occur on both sides of the road as defined by solid blue shading.
- Street furniture is to be removed where indicated.
- Boundary features are to be removed where indicated.
- Trees/ Vegetation are to be removed/ pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- Road to site to be upgraded to meet manufacturer's minimum road construction specification.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
- Turbine delivery vehicles can be both left and right hand drive vehicles, therefore due to drivers perception it must be assumed that every vehicle will not follow the exact same line and so a margin of additional space should be allowed for.
- Land take is usually referred to when land is required from Private Land Owners; road widening is usually referred to when land is required within highways boundaries. The boundaries between private land and highways property are assumed by using obvious demarcation such as fence lines/hedges etc. It should be noted that actual boundaries between highways and private land are not substantiated in this report and can only be authenticated by carrying out land searches.
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- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in metres.

IRISH Grid Reference: R 61976 72545

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

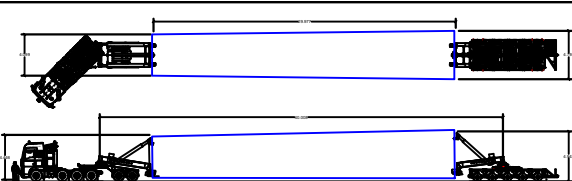
	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE CROSSROAD JUNCTION, KILBANE			
		DATE 28/02/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:750	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-200C1.1

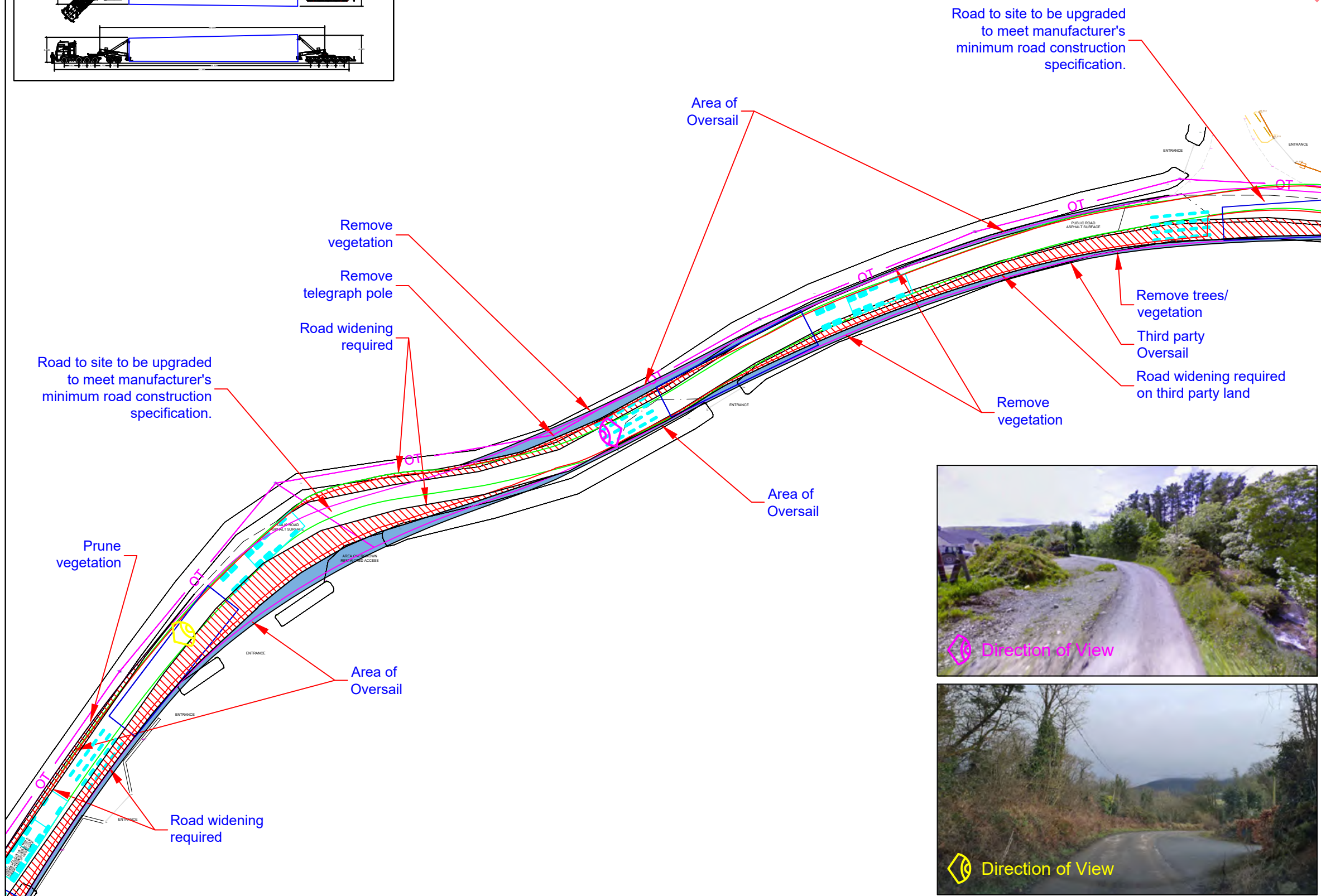
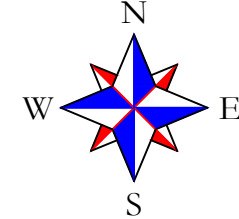




Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System





Continue on L7080.


**\*\*Caution\*\***

- Third party land is required on the offside of the road.
- Road widening is required on both sides of the road, indicated by red hatching.
- Oversail will occur on both sides of the road, demarked in solid blue shading.
- A telegraph pole on the nearside is to be removed where indicated.
- Trees/ Vegetation are to be removed/ pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- Road to site to be upgraded to meet manufacturer's minimum road construction specification.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- All dimensions in metres.

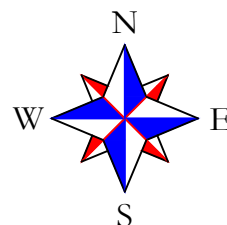
IRISH Grid Reference: R 62122 72698

- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

	COLLETT & SONS LIMITED Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN R. WEBSTER		TITLE RIGHT BEND ON L7080 AFTER CROSSROAD JUNCTION, KILBANE			
		DATE 01/03/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
		SCALE 1:500	SIZE A3	PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	DWG. NO. 371606-201C1.1



Siemens Gamesa  
SG155 Blade  
MK4 Blade Lift Adapter







Continue on L7080. Turn left onto unnamed road.

**\*\*Caution\*\***

- Third party land is required on both sides of the road for road widening & oversail.
- Road widening is required on both sides indicated by red hatching.
- Oversail will occur on both sides of the road demarked in solid blue shading.
- Street furniture is to be removed where indicated.
- Overhead wires crossing the road are to be removed.
- Boundary features are to be removed where indicated.
- Trees/ Vegetation are to be pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- Road to site to be upgraded to meet manufacturer's minimum road construction specification.

- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precinets raised, that may otherwise be restrictive
- All swept path diagrams and assessments are made and calculated for the road movement of loaded trailer equipment carrying Turbine components. These dimensions are based on the turning circles and specification of Collett & Sons Ltd trailer equipment.
- This SPA is a means of providing evidence of minimum requirements of any one vehicle as a footprint and there is no safety factor or margin included.
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- All dimensions in metres.

IRISH Grid Reference: R 62341 72721

-  Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
-  Area within magenta outline will be oversailed by load and projections
-  Area within green outline will be oversailed by trailer body

Road to site to be upgraded to meet manufacturer's minimum road construction specification.

Road to site to be upgraded  
to meet manufacturer's  
minimum road construction  
specification.

Road widening  
required on  
third party land

Remove  
overhead wires

Remove  
hedgerow

Third party  
oversail

Remove  
overhead wires

Third party  
Oversail  
ad widening  
required

- Lop & prune trees to provide vertical clearance

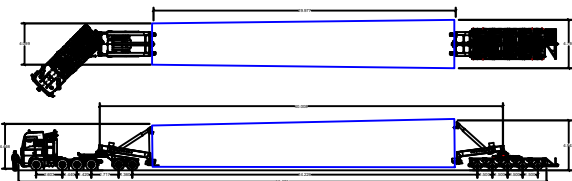
Remove  
hedgerow

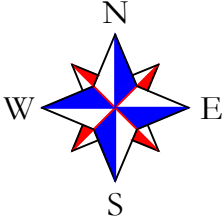
- Remove street furniture



Swept Path indicates trailer utilising  
MANUAL steering

Siemens Gamesa  
Generic Bottom Tower (4.8 x 29.97m)  
Clamp & Bogie System



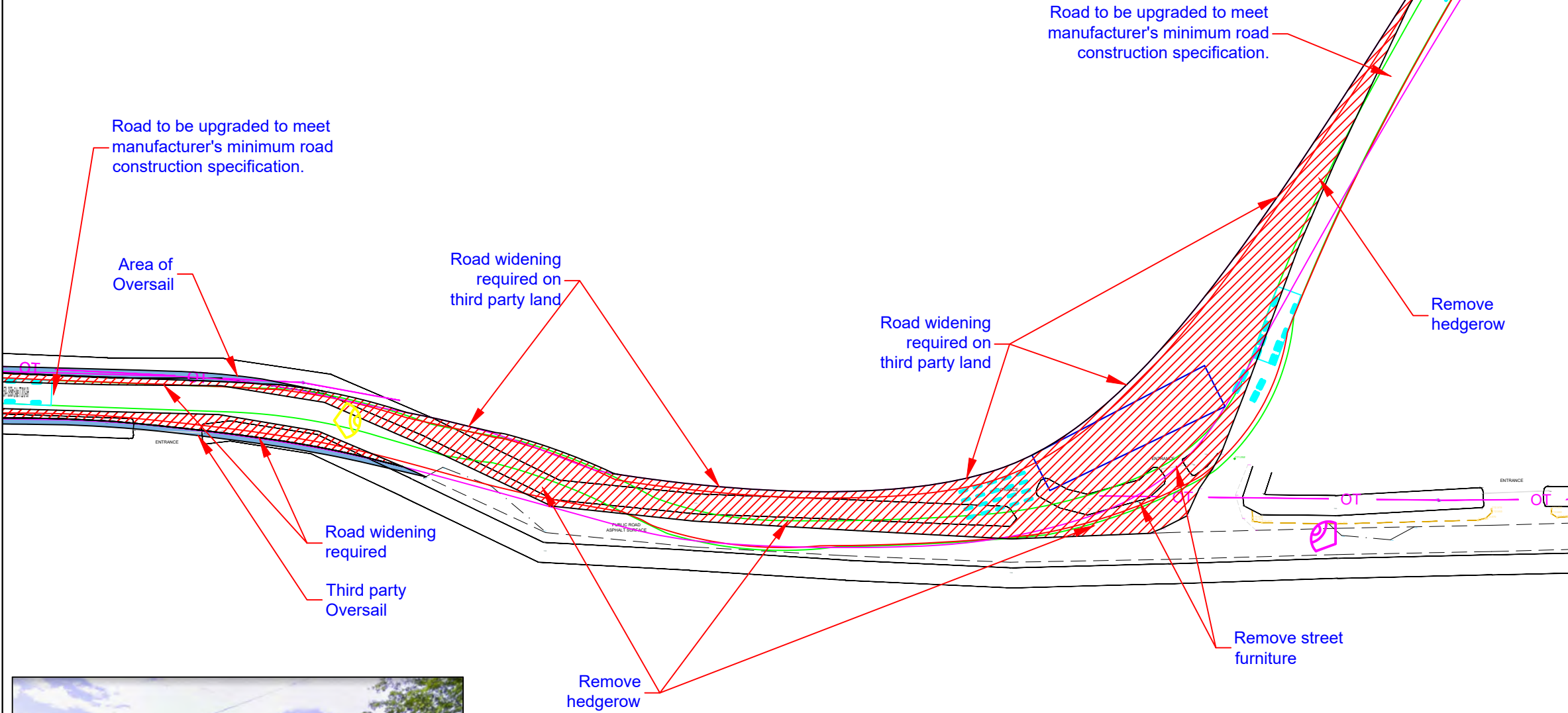


Continue on L7080. Turn left onto unnamed road.


**\*\*Caution\*\***


- Third party land is required on the nearside of the road for widening.
- Road widening is required on both sides of the road, shown in red hatching.
- Oversail will occur on both sides of the road as shown in solid blue shading.
- Street furniture is to be removed where indicated.
- Trees/ Vegetation are to be removed/ pruned where indicated.
- Manual steering & utilisation of the full extents of the road are required at this location.
- Road to site to be upgraded to meet manufacturer's minimum road construction specification.

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- All dimensions in metres.



IRISH Grid Reference: R 62341 72721

- Area within red outline will be swept by tractor and trailer axles
-  Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

	COLLETT & SONS LIMITED		DRAWN R. WEBSTER		TITLE LEFT TURN OFF L7080 ONTO SITE ROAD, KILBANE			
	Victoria Terminal TEL: +44(0)8456 255288		DATE 01/03/2023		MAPPING PROVIDED BY CLIENT		CUSTOMER EDF RENEWABLES IRELAND	
	Albert Road FAX: +44(0)8456 255244		SCALE 1:500 SIZE A3		PINCH POINT IDENTIFIED BY COLLETT		SITE LACKEREAGH WIND FARM	
	Halifax, HX2 0DF WEB: www.collett.co.uk						DWG. NO. 371606-202D1.1	