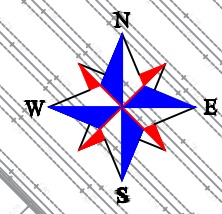
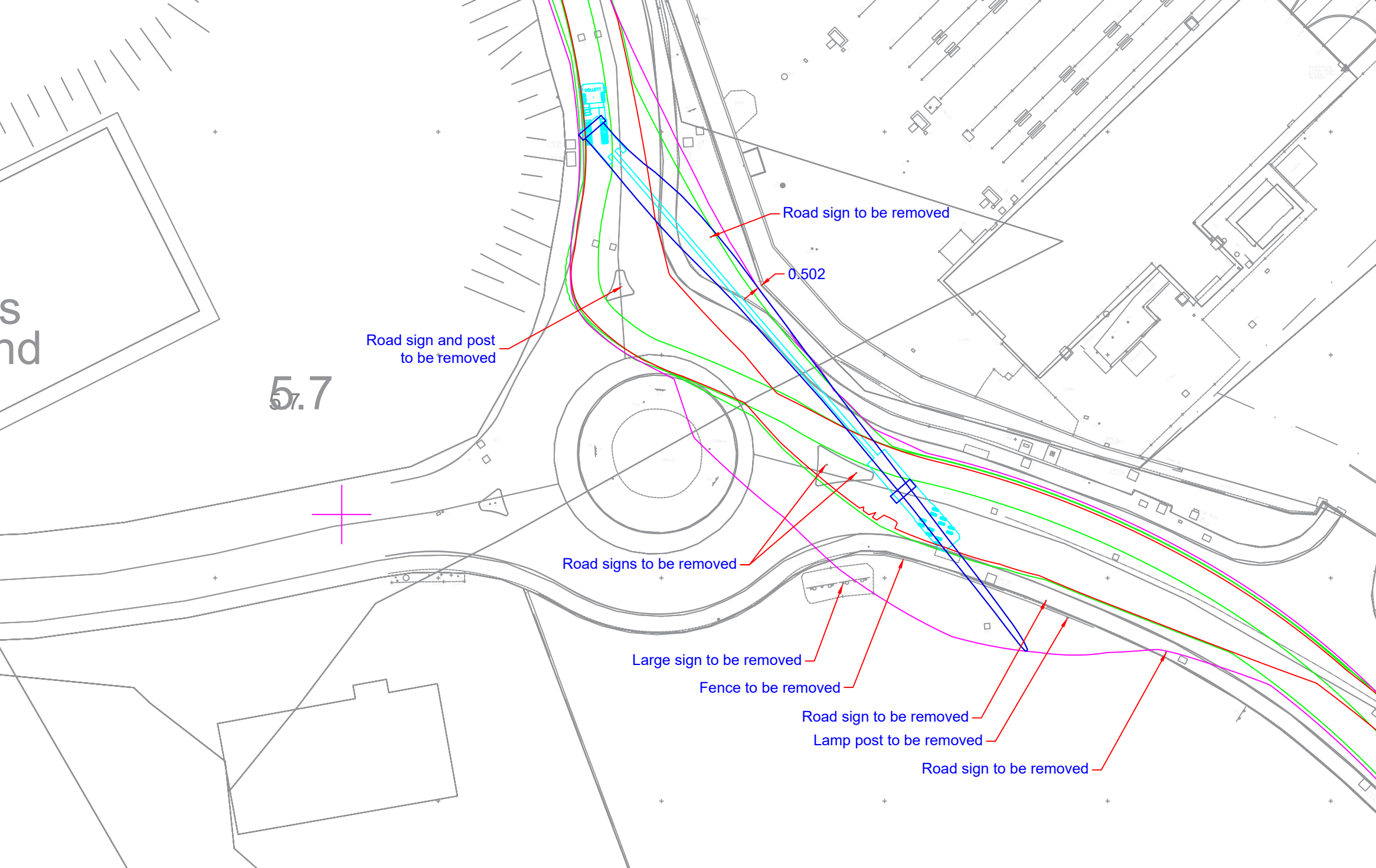


Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Exit Killybegs Harbour to roundabout junction with Shore Road.  
At roundabout turn right onto Shore Road.

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

- Street furniture to be removed as indicated.
- loaded blade required to contraflow this roundabout in order to reduce the amount of modifications required.
- Caution to be taken when navigating due to the close proximity of the fence on the offside.
- PRA Location number - 2.

Irish Grid Reference: G 71427 75883

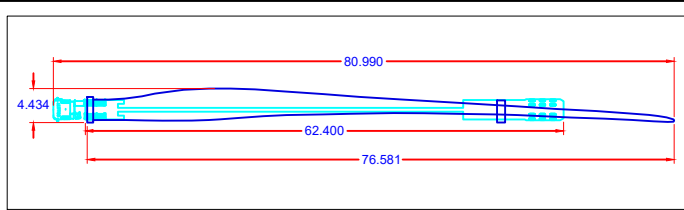
- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
- The drawing has been produced from aerial imagery and adjusted where necessary to reflect measurements taken on site with a tape measure. A site visit has not been conducted to verify road widths or the presence of street furniture.
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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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- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in meters.

- 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



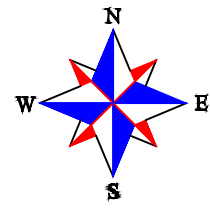
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Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	KILLYBEGS HARBOUR ROUNDABOUT		
DATE	31/01/2023	MAPPING	AERIAL IMAGERY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	SITE	FIRLOUGH WIND FARM
PINCH POINT IDENTIFIED BY		COLLETT	DWG. NO. 381311-10A1.1		



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N56 to right hand bend at junction.

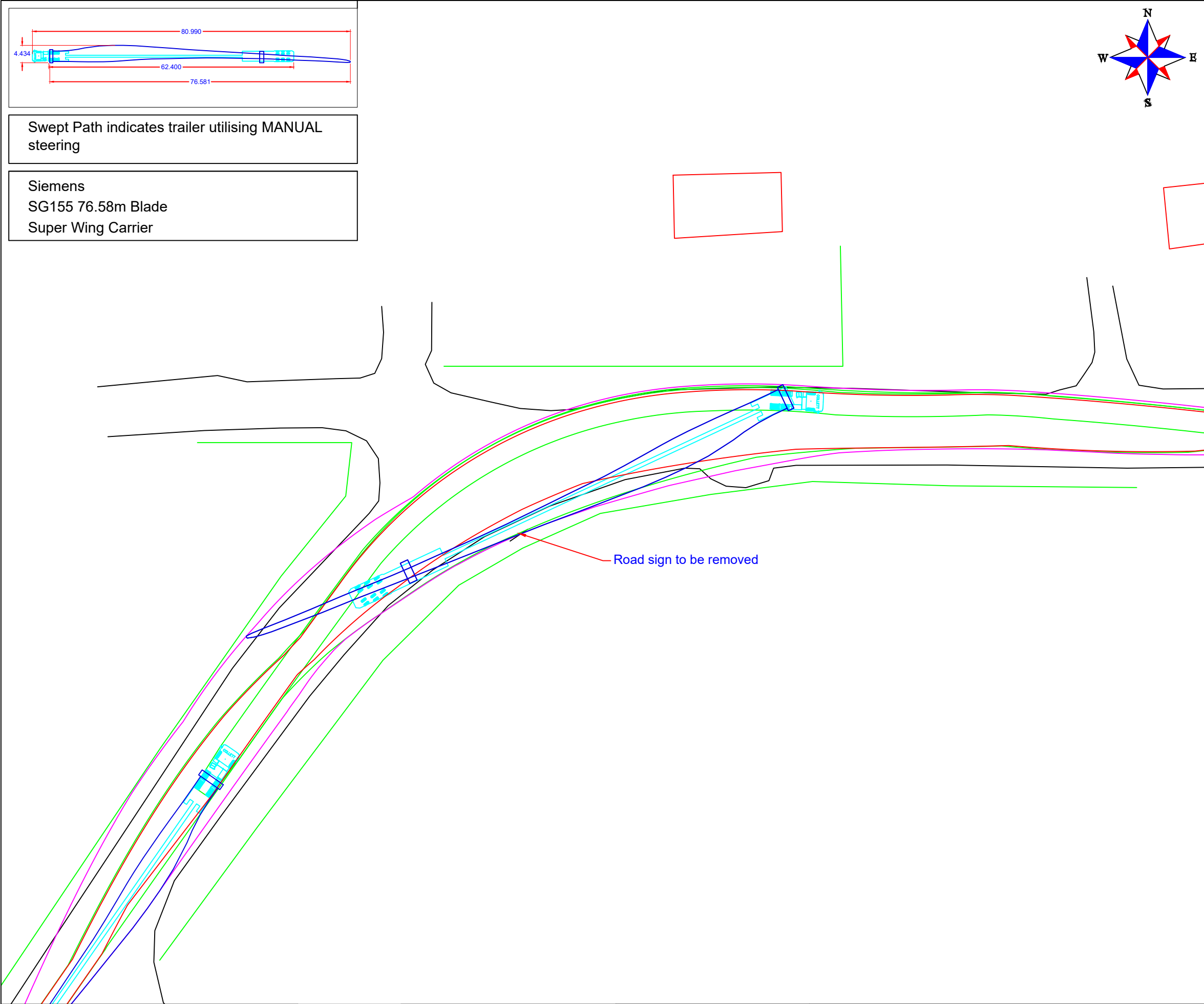
**\*\*Caution\*\***

- Street furniture to be removed as indicated.
- PRA Location number - 7.

Irish Grid Reference: G 73481 79153

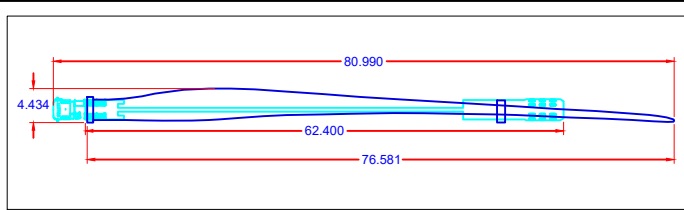
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- All dimensions in meters.

- 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



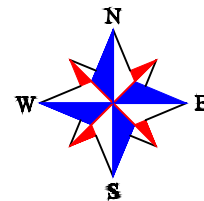
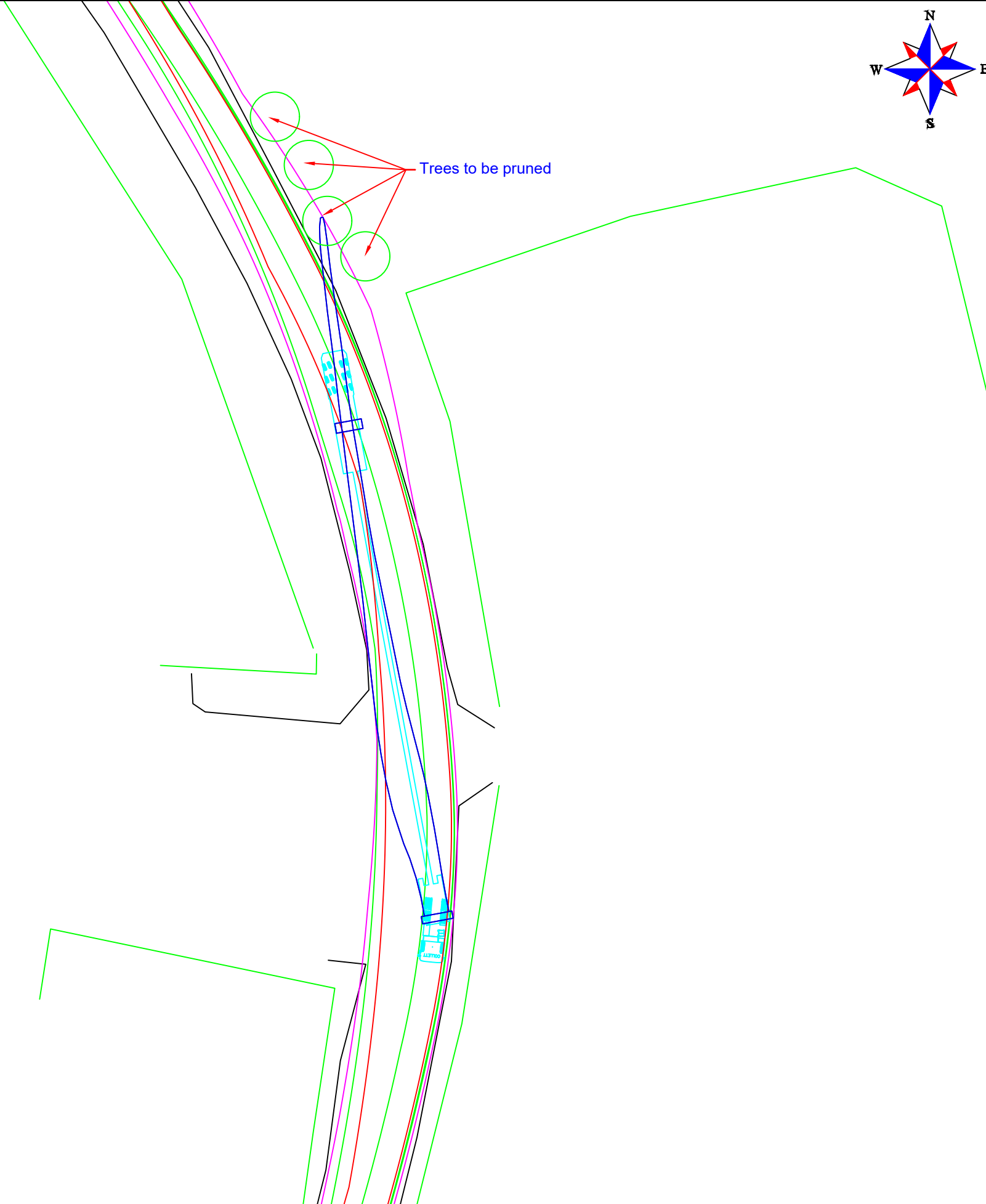
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DRAWN	J.HALSTEAD	TITLE	N56 RIGHT HAND BEND	
DATE	31/01/2023	MAPPING	AERIAL IMAGERY	CUSTOMER
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY
			COLLETT	SITE
				FIRLOUGH WIND FARM
				DWG. NO. 381311-20A1.1
				JENNING O'DONNOVAN



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N56 to right hand bend.

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

- Trees to be pruned as indicated.
- PRA Location number - 8.

Irish Grid Reference: G 74645 78765

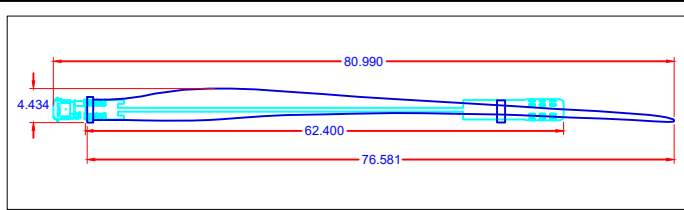
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- All dimensions in meters.

- 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



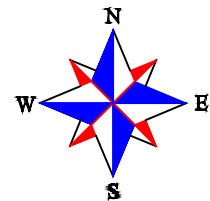
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Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	N56 RIGHT HAND BEND	
DATE	31/01/2023	MAPPING	AERIAL IMAGERY	CUSTOMER
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY
			COLLETT	SITE
				FIRLOUGH WIND FARM
				DWG. NO. 381311-30A1.1
				JENNING O'DONNOVAN



Swept Path indicates trailer utilising MANUAL steering

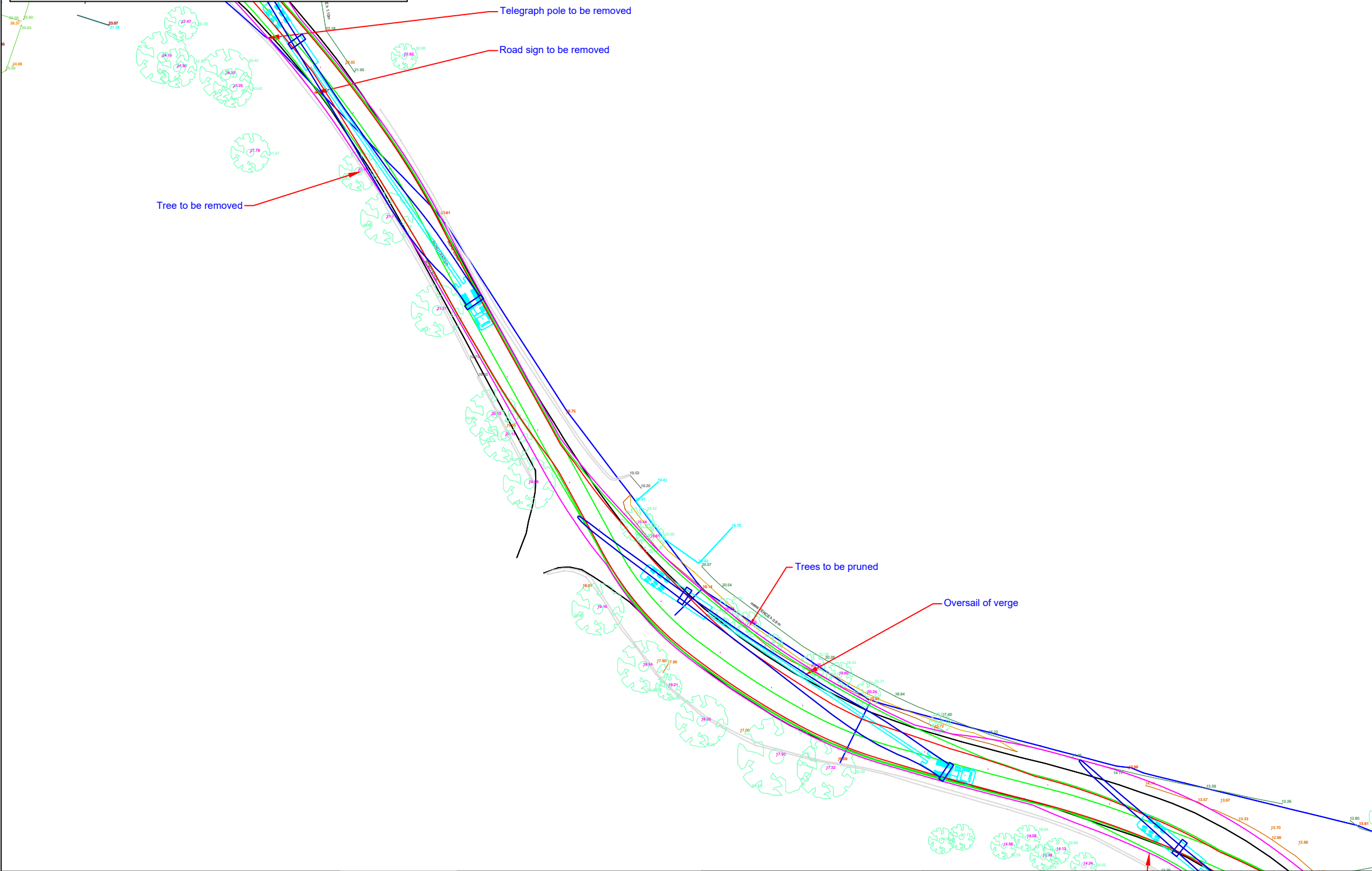
Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N56 to right & left hand bend prior to bridge.

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

- Street furniture to be removed as indicated.
- Trees to be pruned as indicated.
- PRA Location number - 11.



Irish Grid Reference: G 75089 76835

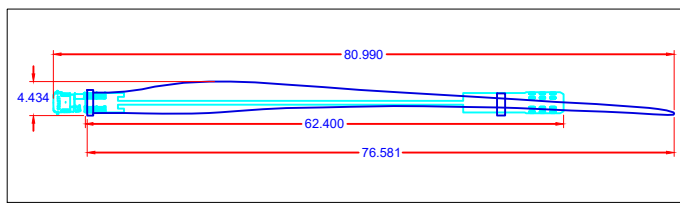
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- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
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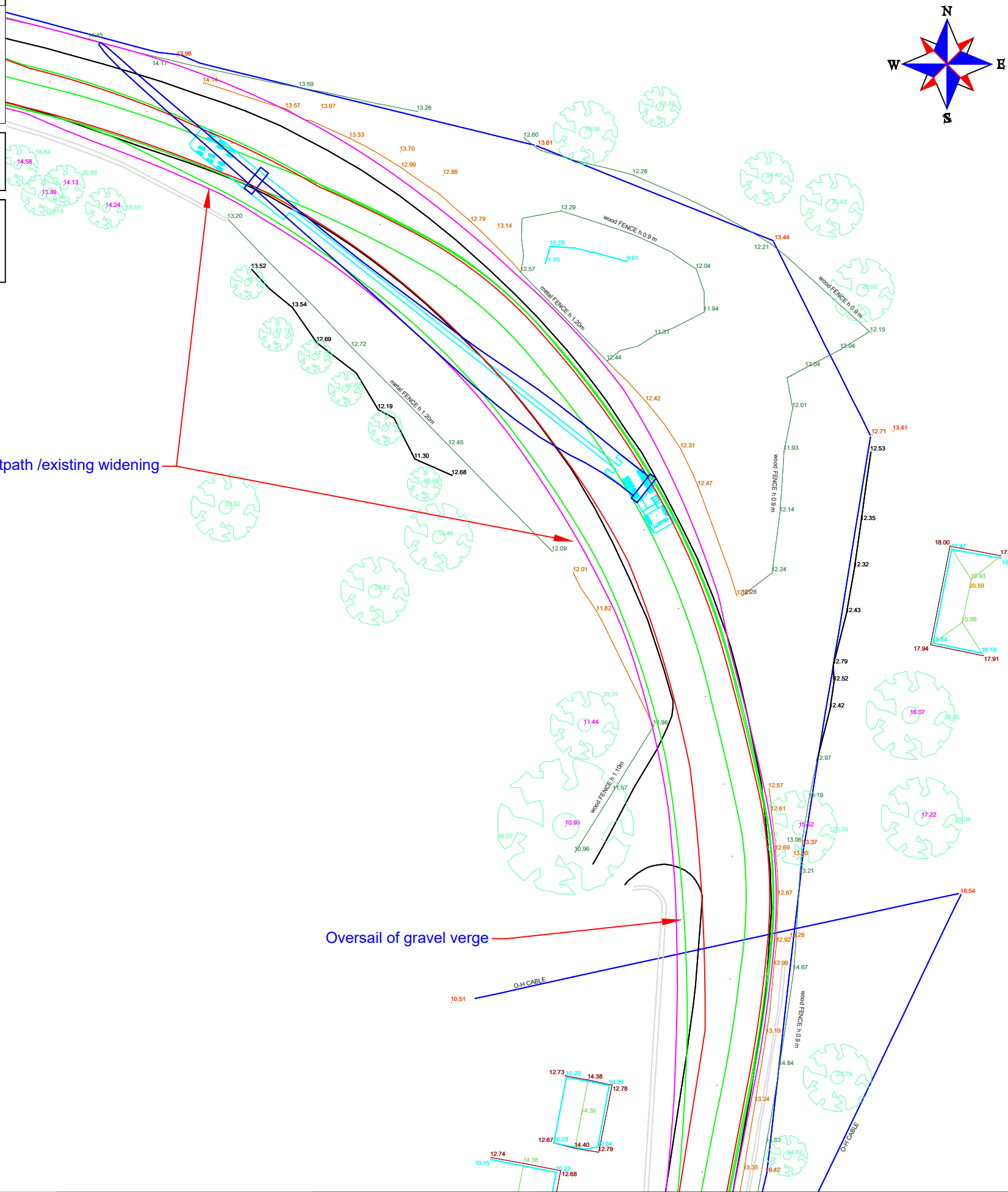
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Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	N56 RIGHT & LEFT HAND BEND		
DATE	31/01/2023	MAPPING TOPOGRAPHICAL SURVEY	CUSTOMER	JENNING O'DONNOVAN	
SCALE	1:750	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
			SITE	FIRLOUGH WIND FARM	DWG. NO. 381311-40A1.1



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N56 to right hand bend over bridge.

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

- Loaded blade oversailing verge
- PRA Location number - 12.

Irish Grid Reference: G 75262 76689

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- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
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- Area within green outline will be oversailed by trailer body

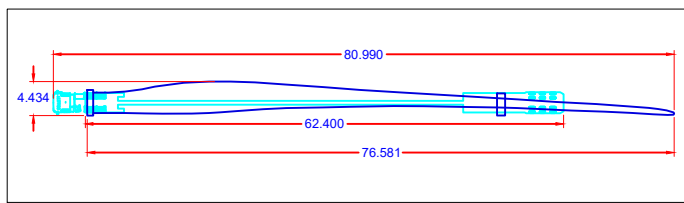


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Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN J.HALSTEAD  
DATE 31/01/2023  
SCALE 1:750 SIZE A3

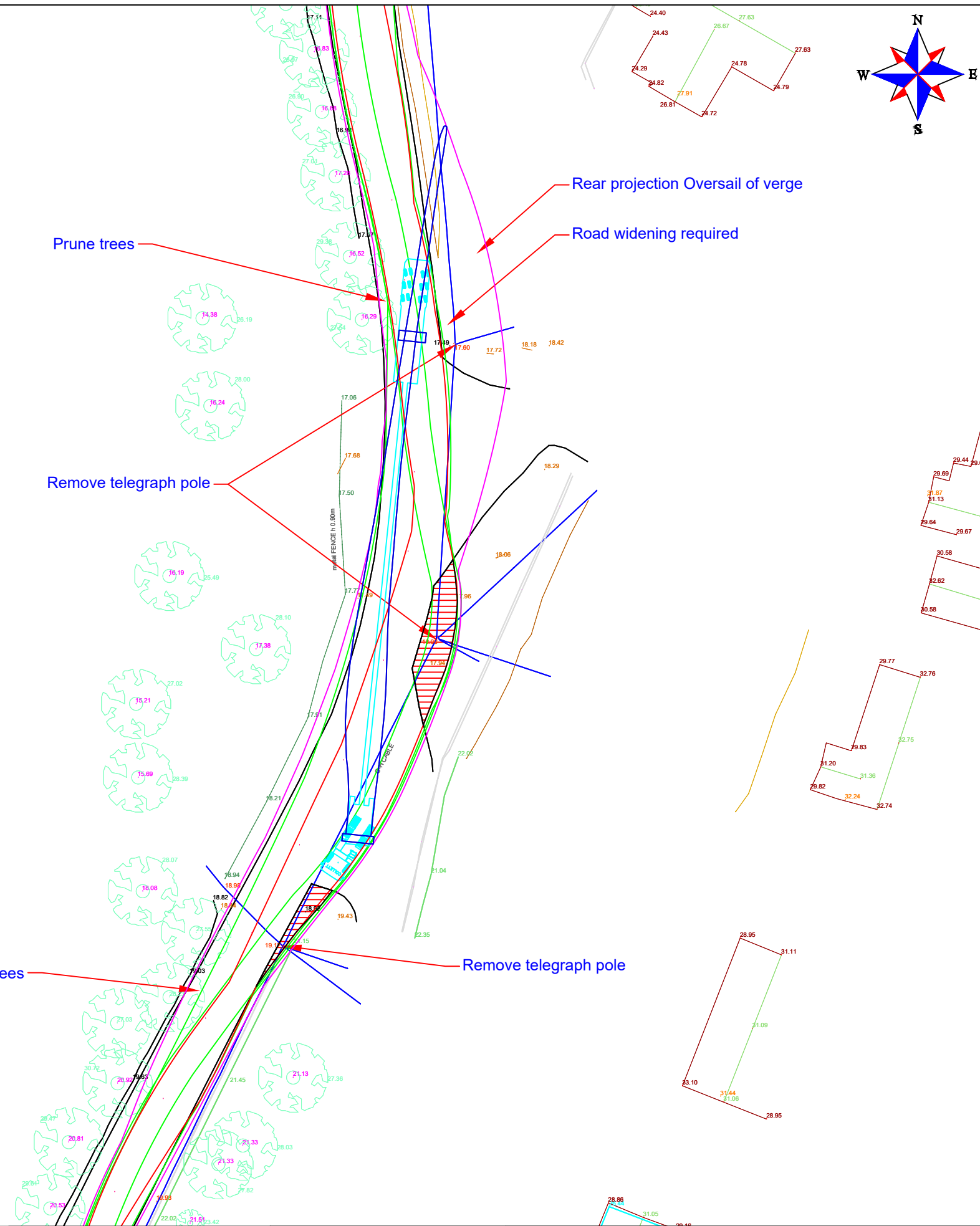
TITLE N56 RIGHT HAND BEND OVER BRIDGE  
MAPPING TOPOGRAPHICAL SURVEY  
PINCH POINT IDENTIFIED BY COLLETT

CUSTOMER JENNING O'DONNOVAN  
SITE FIRLOUGH WIND FARM  
DWG. NO. 381311-50A1.1



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N56 to right hand bend over bridge.

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

- Widening required to provide a useable road surface as indicated by the red hatching.
- Street furniture to be removed as indicated.
- Trees to be pruned as indicated.
- Loaded blade oversailing verge.
- Ground to be prepared to accept suitable axle loadings.
- PRA Location number - 13

Irish Grid Reference: G 75279 76460

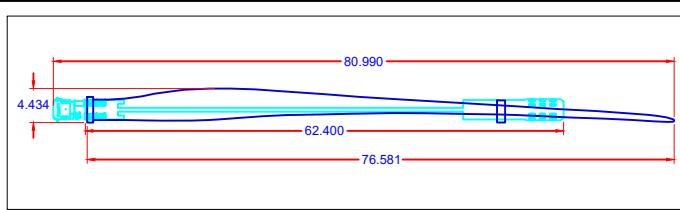
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- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
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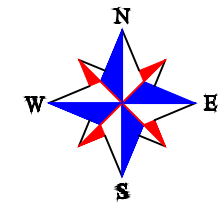
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Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	N56 RIGHT HAND BEND	
DATE	31/01/2023	MAPPING	TOPOGRAPHICAL SURVEY	CUSTOMER
SCALE	1:750	SIZE	A3	PINCH POINT IDENTIFIED BY
			COLLETT	SITE
				FIRLOUGH WIND FARM
				DWG. NO. 381311-60A1.1
				JENNING O'DONNOVAN



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N56 to left hand bend.

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

- Widening required to provide a useable road surface as indicated by the red hatching.
- Loaded blade oversailing third party land on nearside of N56
- Street furniture to be removed as indicated.
- Trees to be pruned as indicated.
- Loaded blade oversailing verge.
- Ground to be prepared to accept suitable axle loadings.
- PRA Location number - 14

Irish Grid Reference: G 75241 76153

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All dimensions in meters.

Electricity Pole to be removed

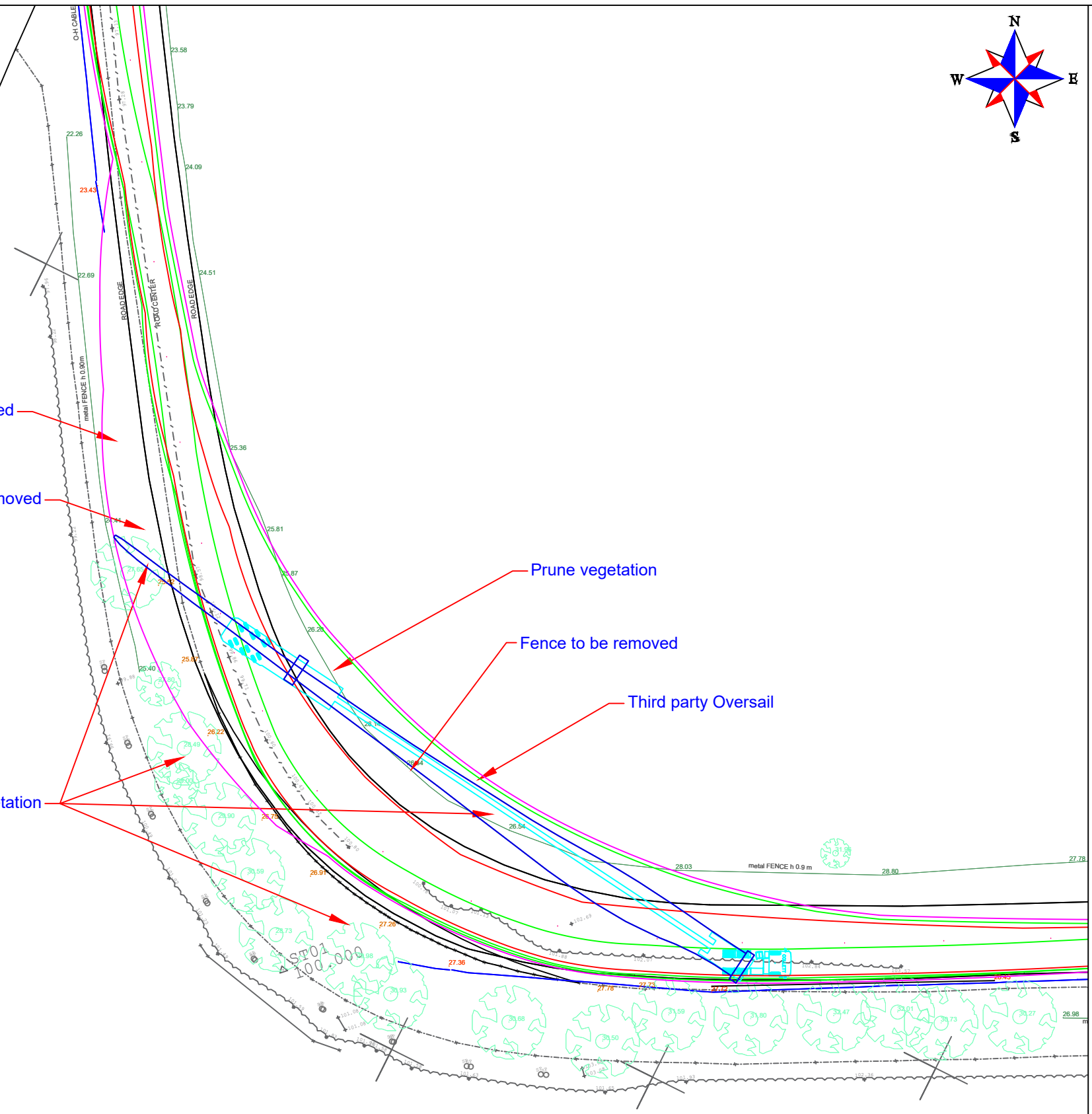
Road sign to be removed

Prune vegetation

Fence to be removed

Third party Oversail

Prune vegetation

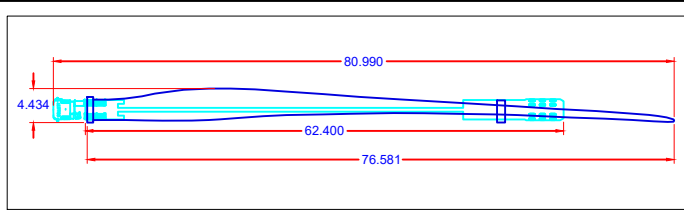


- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



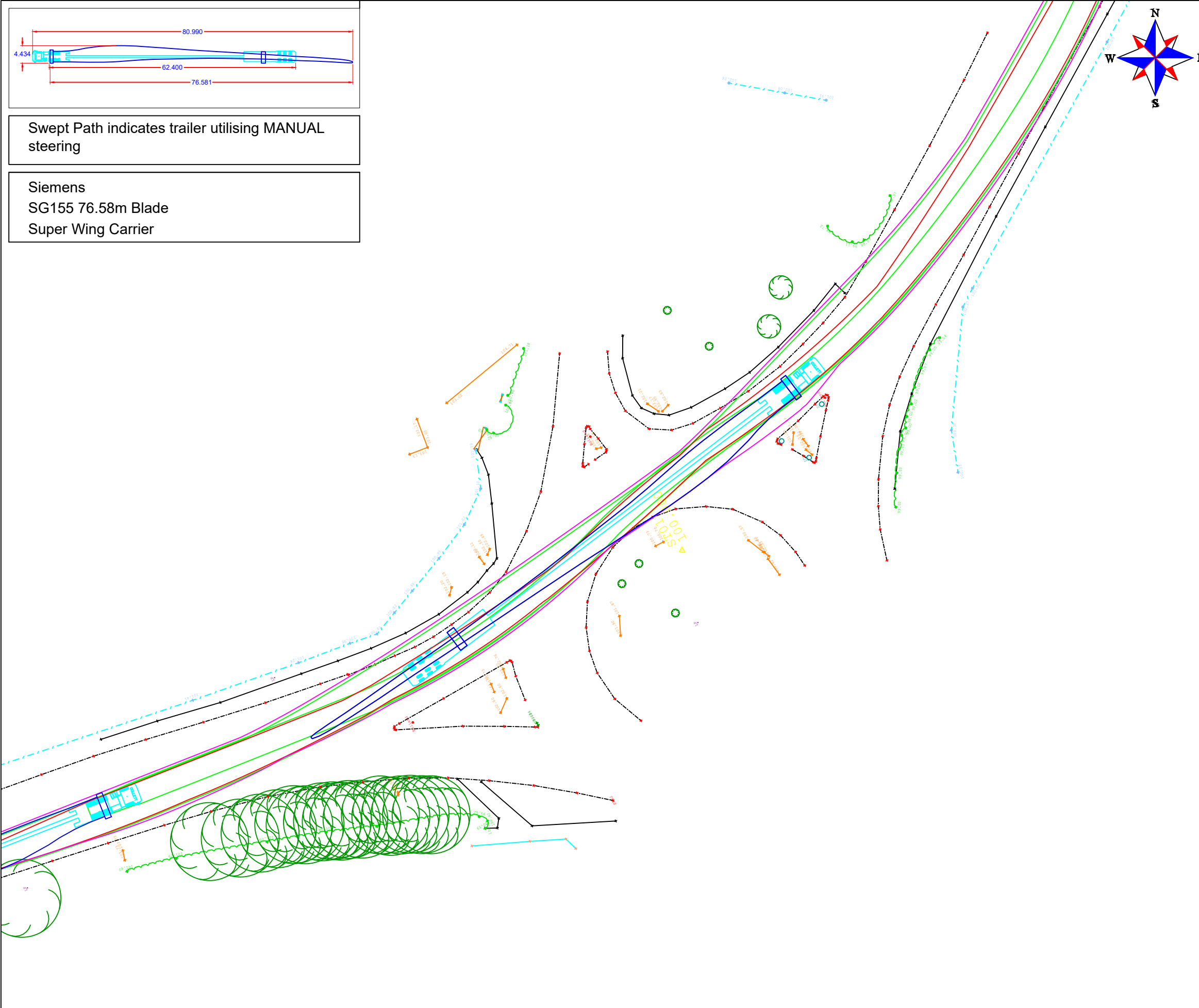
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Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	N56 LEFT HAND BEND	
DATE	31/01/2023	MAPPING TOPOGRAPHICAL SURVEY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:750	SIZE	A3	PINCH POINT IDENTIFIED BY COLLETT
		SITE	FIRLOUGH WIND FARM	DWG. NO. 381311-70A1.1



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N56 to roundabout junction with R925.  
At roundabout continue on N56.

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

- Loaded blade will navigate this roundabout without issue.
- PRA Location number - 18

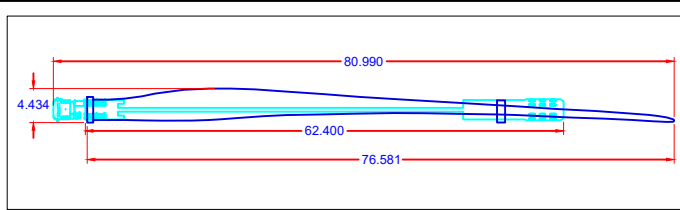
Irish Grid Reference: G 92364 78750

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- The information is privileged and confidential and is for the exclusive use of the nominated client.
- All dimensions in meters.

- 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

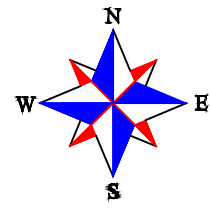
	<b>COLLETT &amp; SONS LIMITED</b> Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN J.HALSTEAD DATE 31/01/2023 SCALE 1:750 SIZE A3	TITLE N56 / R925 ROUNDABOUT MAPPING TOPOGRAPHICAL SURVEY PINCH POINT IDENTIFIED BY COLLETT	CUSTOMER JENNING O'DONNOVAN SITE FIRLOUGH WIND FARM DWG. NO. 381311-80A1.1
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Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N56 to roundabout junction with N15.

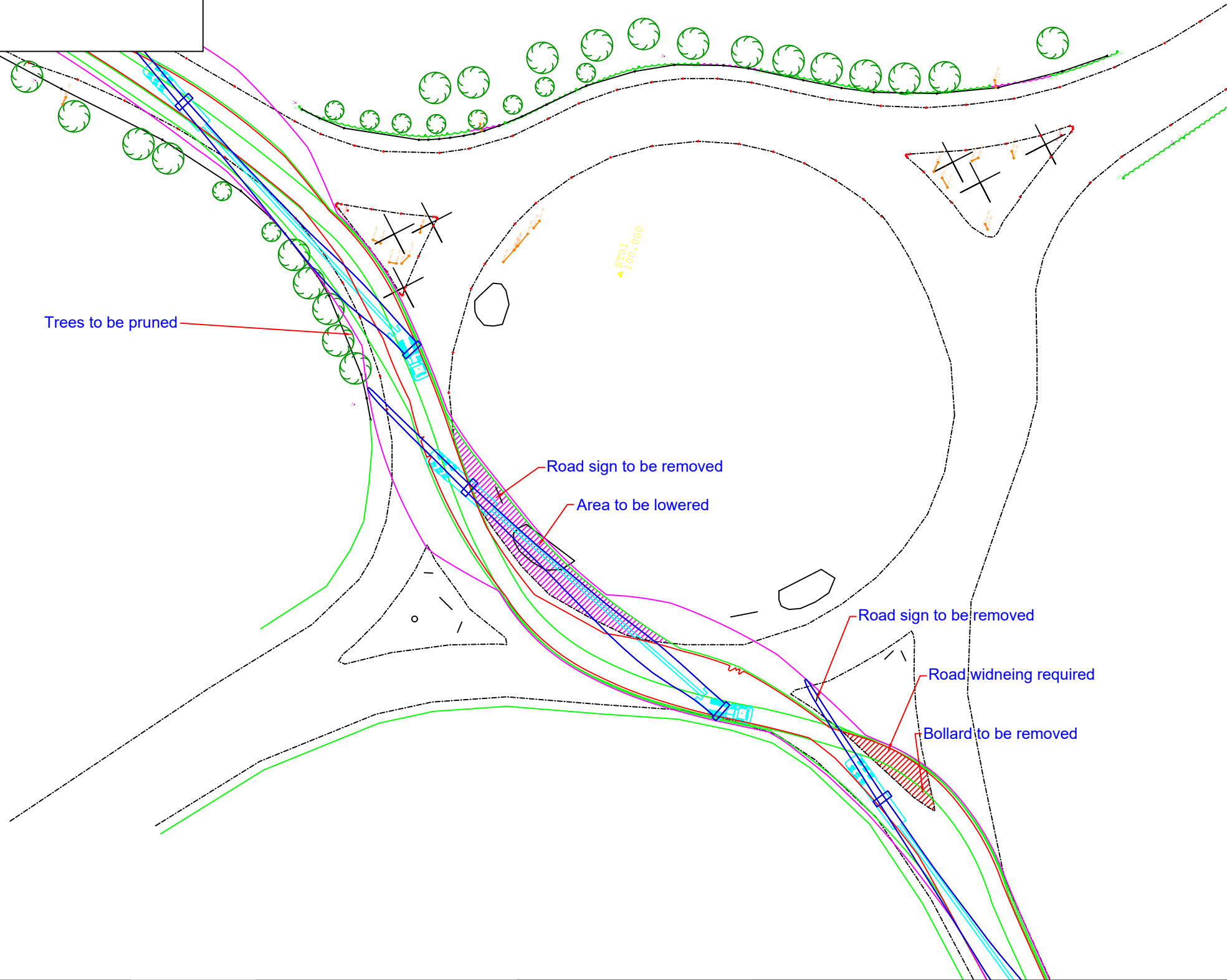
At roundabout take exit onto N15.

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

- Widening required to provide a useable road surface as indicated by the red hatching.
- Street furniture to be removed as indicated.
- Trees to be pruned as indicated.
- Loaded blade oversailing roundabout the height of the roundabout is to be checked to ensure the trailer can oversail without colliding with it.
- Blade is to contraflow this roundabout in order to reduce the amount of modifications required.
- Ground to be prepared to accept suitable axle loadings.
- PRA Location number - 19

Irish Grid Reference: G 94443 79001

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- All dimensions in meters.

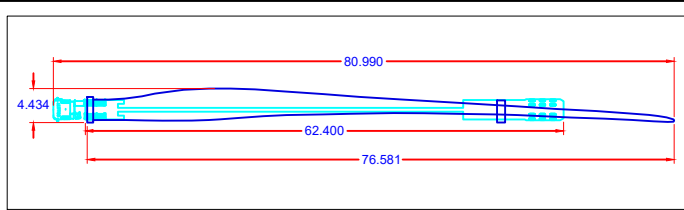


- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



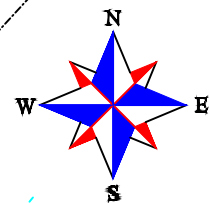
**COLLETT & SONS LIMITED**  
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Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	N56 / N15 ROUNDABOUT	
DATE	31/01/2023	MAPPING	AERIAL IMAGERY	CUSTOMER
SCALE	1:750	SIZE	A3	PINCH POINT IDENTIFIED BY
			COLLETT	SITE
				FIRLOUGH WIND FARM
				DWG. NO. 381311-90A1.1
				JENNING O'DONNOVAN



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N15 to roundabout junction with R267.

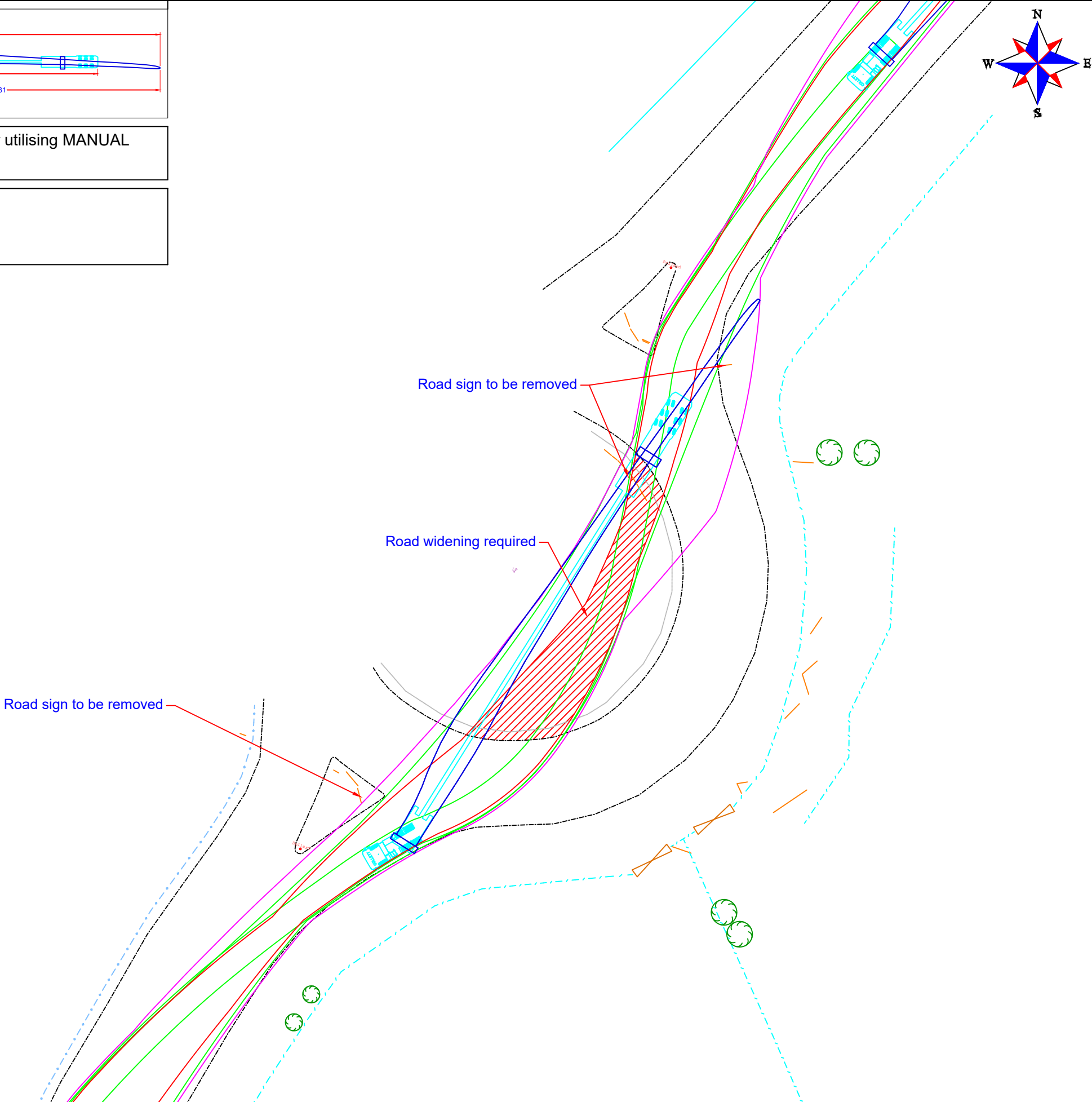
At roundabout continue on N15.

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

- Widening required to provide a useable road surface as indicated by the red hatching.
- Street furniture to be removed as indicated.
- Ground to be prepared to accept suitable axle loadings.
- PRA Location number - 23

Irish Grid Reference: G 93667 75610

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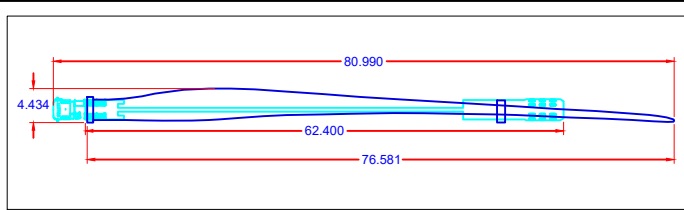


- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



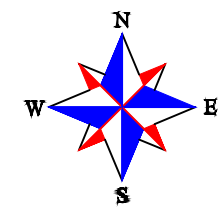
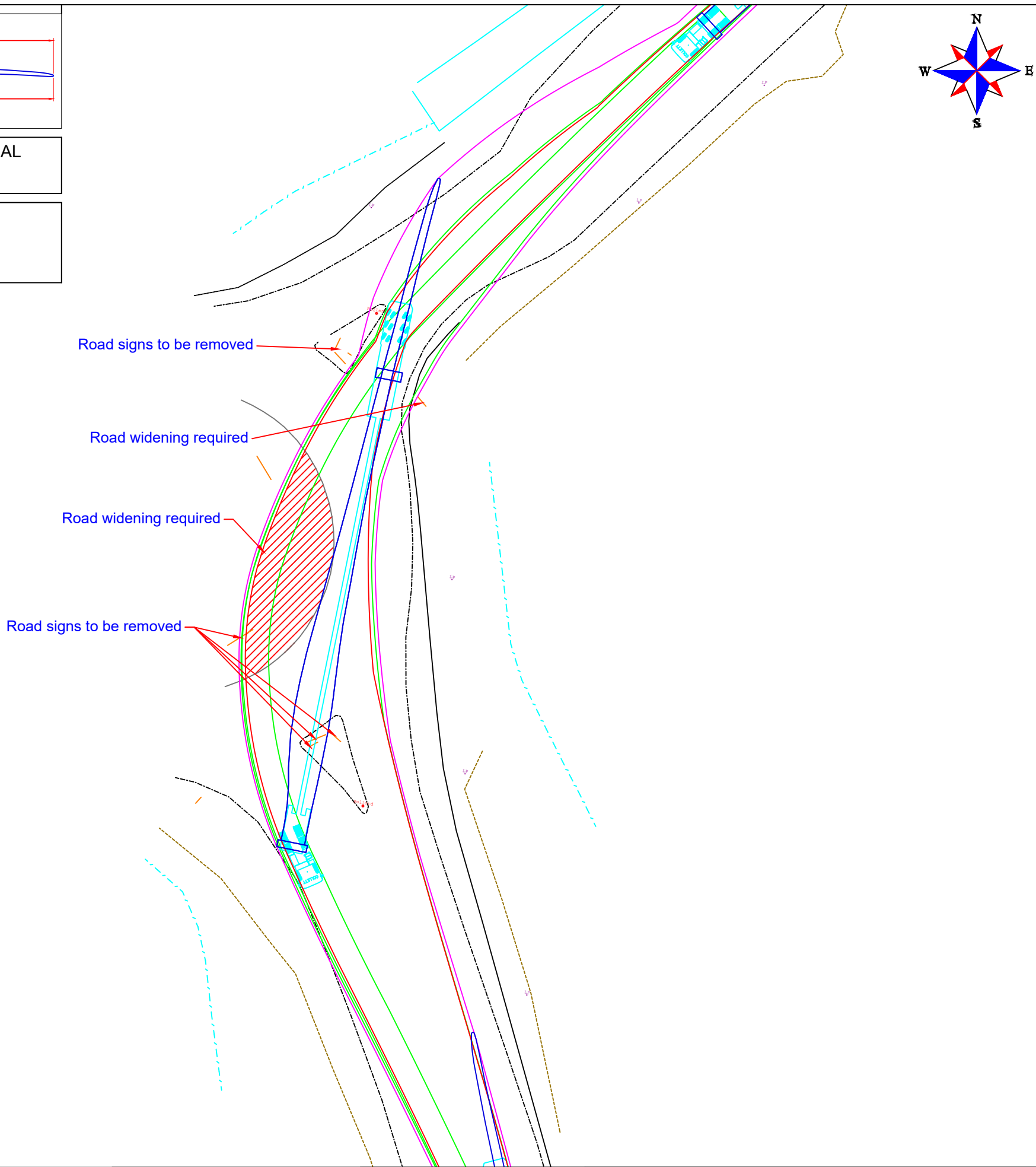
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DRAWN	J.HALSTEAD	TITLE	N56 / R267 ROUNDABOUT	
DATE	31/01/2023	MAPPING TOPOGRAPHICAL SURVEY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY COLLETT
		SITE	FIRLOUGH WIND FARM	DWG. NO 381311-100A1.1



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N15 to roundabout junction with R231.  
At roundabout continue on N15.

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

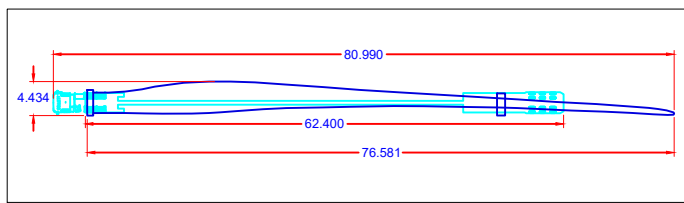
- Widening required to provide a useable road surface as indicated by the red hatching.
- Street furniture to be removed as indicated.
- Ground to be prepared to accept suitable axle loadings.
- PRA Location number - 21

Irish Grid Reference: G 88307 62273

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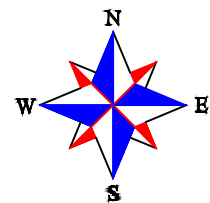
- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

	<b>COLLETT &amp; SONS LIMITED</b> Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN <b>J.HALSTEAD</b> DATE <b>31/01/2023</b> SCALE <b>1:500</b> SIZE <b>A3</b>	TITLE <b>N56 / R231 ROUNDABOUT</b> MAPPING <b>TOPOGRAPHICAL SURVEY</b> PINCH POINT IDENTIFIED BY <b>COLLETT</b>	CUSTOMER <b>JENNING O'DONNOVAN</b> SITE <b>FIRLOUGH WIND FARM</b> DWG. NO <b>381311-110A1.1</b>
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Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N15 to roundabout junction with R267.

At roundabout continue on N15.

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

- Widening required to provide a useable road surface as indicated by the red hatching.
- Street furniture to be removed as indicated.
- Ground to be prepared to accept suitable axle loadings.
- PRA Location number - 22

Irish Grid Reference: G 83515 59390

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Road sign to be removed

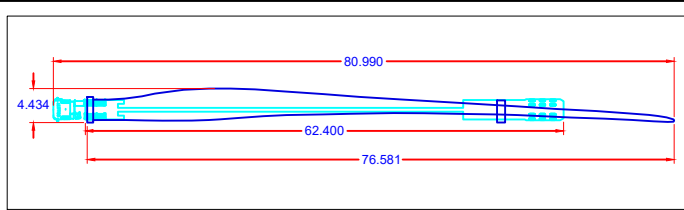
Road widening required

- 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



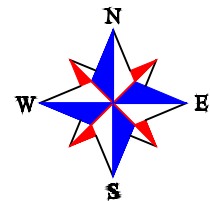
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Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	N56 / R267 ROUNDABOUT	
DATE	31/01/2023	MAPPING TOPOGRAPHICAL SURVEY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY COLLETT
		SITE	FIRLOUGH WIND FARM	DWG. NO 381311-120A1.1



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



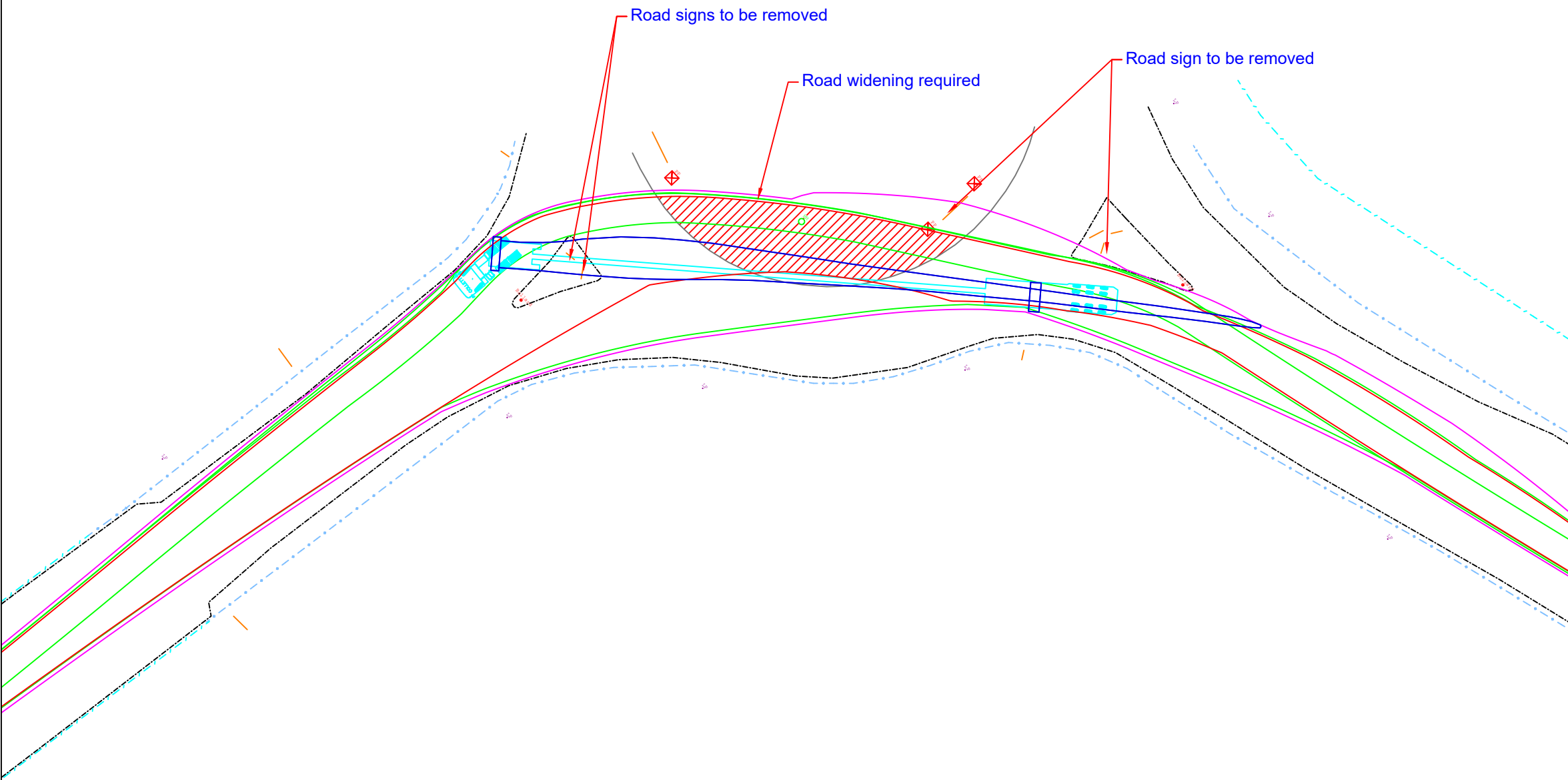
Continue on N15 to roundabout junction with R267.  
At roundabout continue on N15.

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

- Widening required to provide a useable road surface as indicated by the red hatching.
- Street furniture to be removed as indicated.
- Ground to be prepared to accept suitable axle loadings.
- PRA Location number - 23

Irish Grid Reference: G 79873 58490

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- 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
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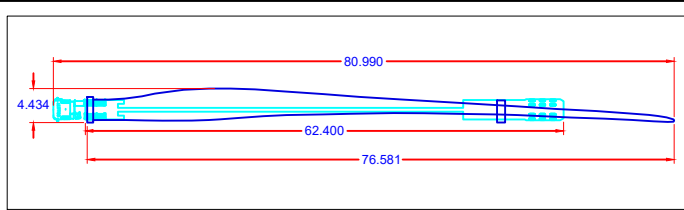


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Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN J.HALSTEAD  
DATE 31/01/2023  
SCALE 1:500 SIZE A3

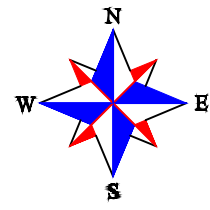
TITLE N56 / R267 ROUNDABOUT  
MAPPING TOPOGRAPHICAL SURVEY  
PINCH POINT IDENTIFIED BY COLLETT

CUSTOMER JENNING O'DONNOVAN  
SITE FIRLOUGH WIND FARM  
DWG. NO 381311-130A1.1



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



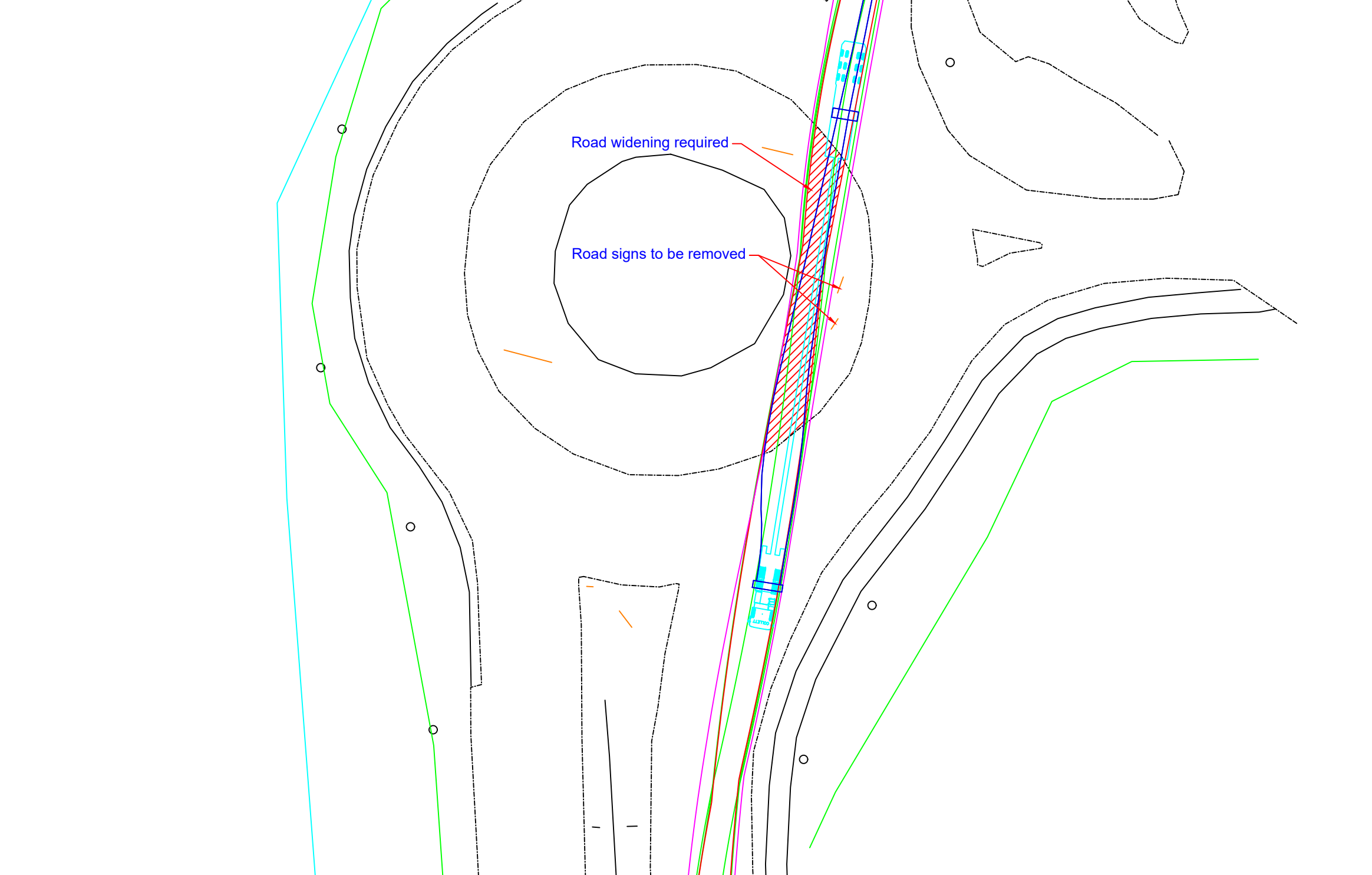
Continue on N4 to Summer Hill roundabout.  
At roundabout continue on N4.

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

- Widening required to provide a useable road surface as indicated by the red hatching.
- Street furniture to be removed as indicated.
- Ground to be prepared to accept suitable axle loadings.
- PRA Location number - 49

Irish Grid Reference: G 68691 35333

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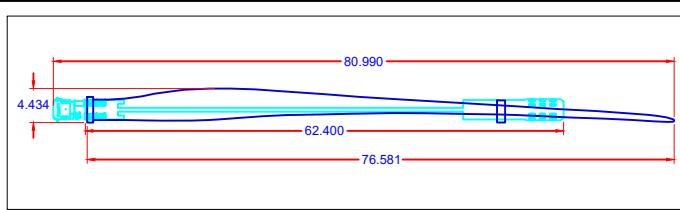


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- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



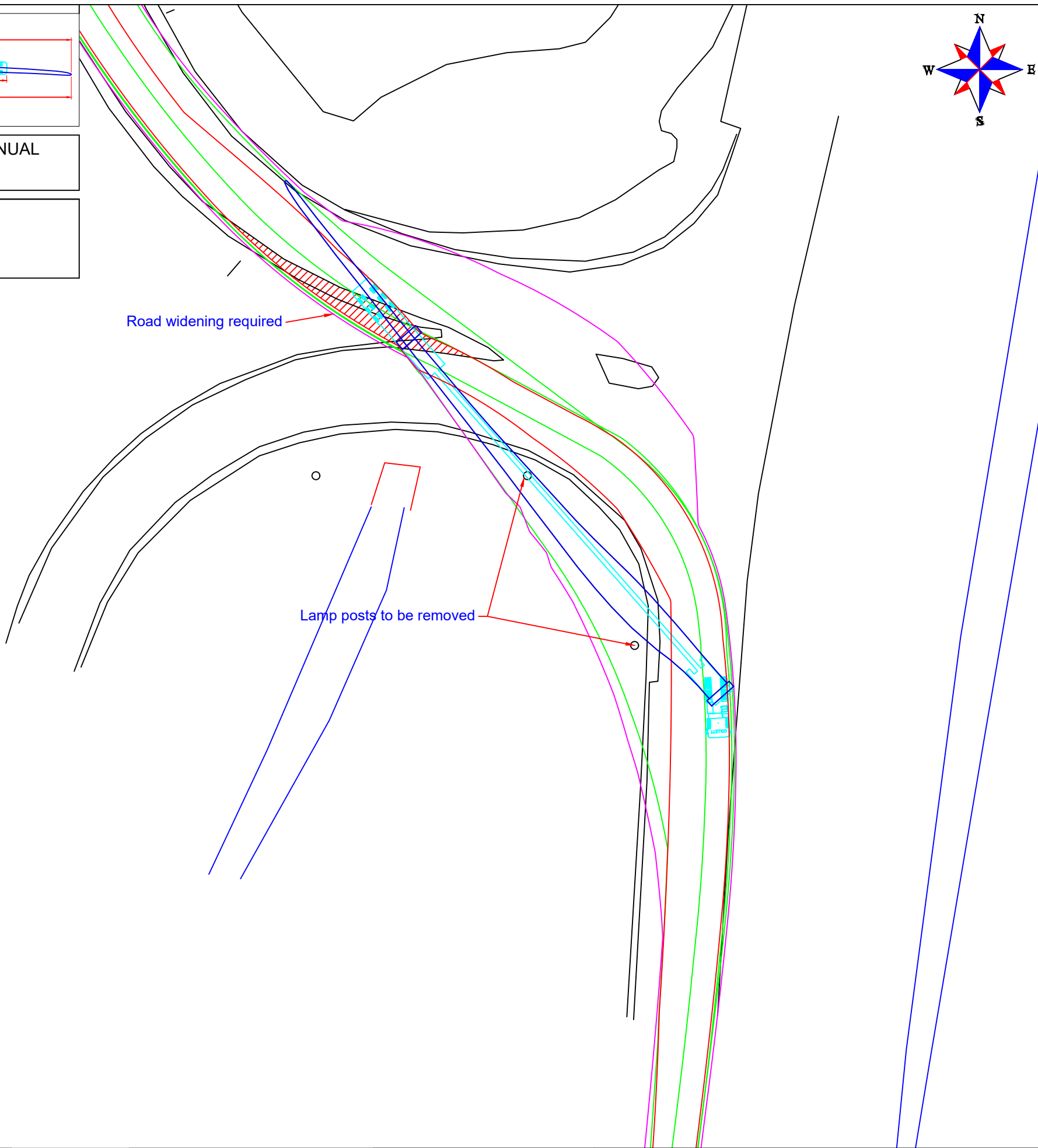
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Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	N4 SUMMER HILL ROUNDABOUT	
DATE	31/01/2023	MAPPING TOPOGRAPHICAL SURVEY	CUSTOMER	
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY COLLETT
		SITE	FIRLOUGH WIND FARM	DWG. NO 381311-140A1.1
		CUSTOMER JENNING O'DONNOVAN		



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N4 to junction with N59.  
at junction turn right onto N59.

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

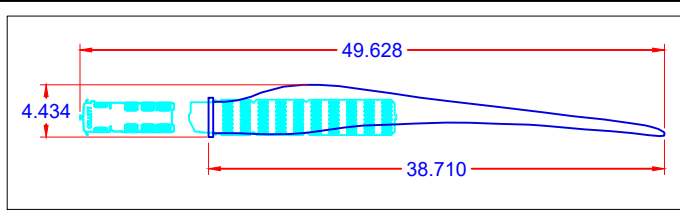
- Widening required to provide a useable road surface as indicated by the red hatching.
- Street furniture to be removed as indicated.
- Ground to be prepared to accept suitable axle loadings.
- PRA Location number - 50
- From this location to the next a suitable transshipment area is to be created to load the blade onto the blade lift adaptor.

Irish Grid Reference: G 67495 30451

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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.
- 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. Form 'BE16' permits will also be required to undertake the movement of the vehicle shown in the swept path analysis. These permits are at the discretion of the Highway Agency (HA). Therefore, approval of these 'permits for movements' by the HA 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 meters.

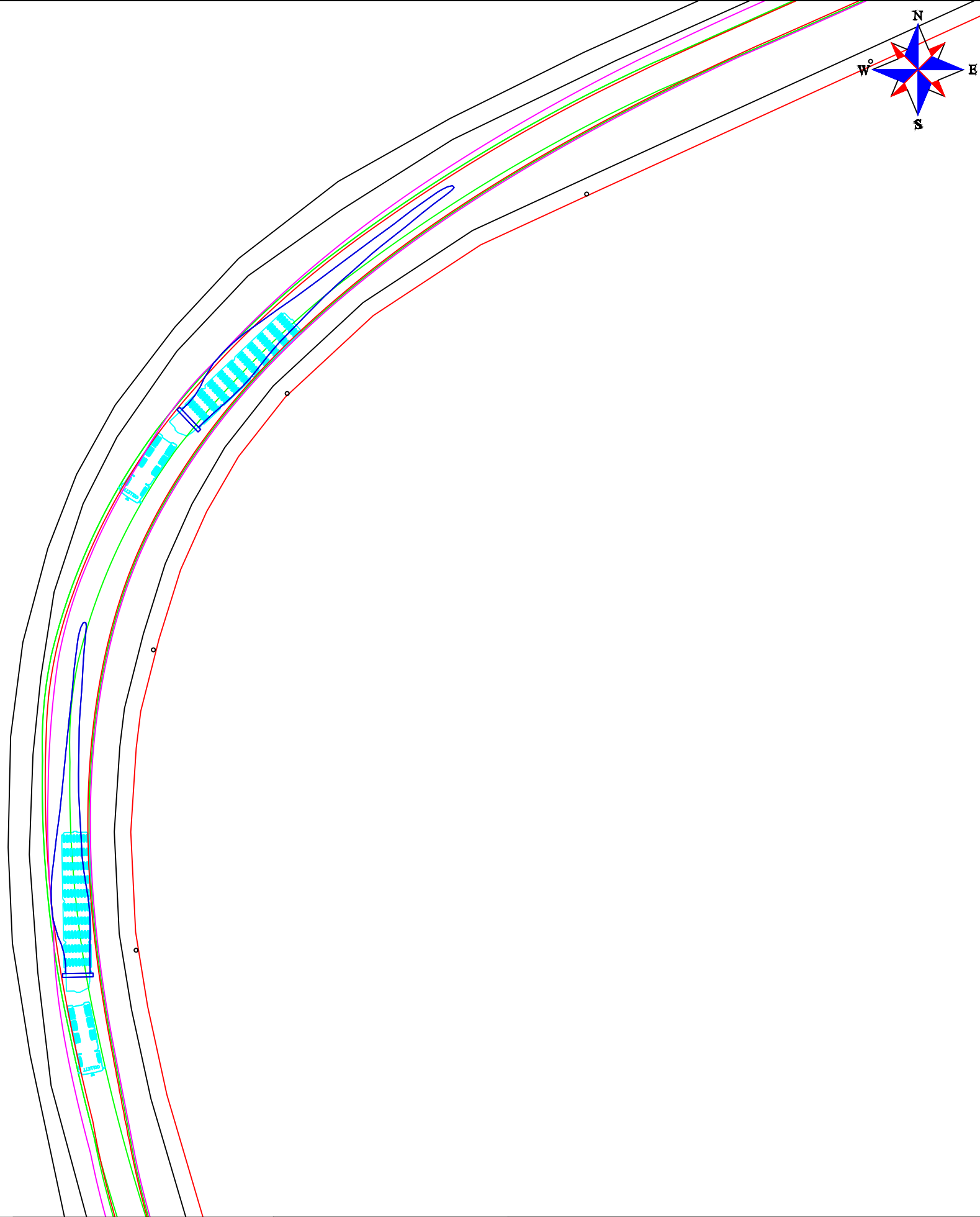
- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

	<b>COLLETT &amp; SONS LIMITED</b> Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN J.HALSTEAD DATE 31/01/2023 SCALE 1:500 SIZE A3	TITLE EXIT N4 ONTO N59 MAPPING AERIAL IMAGERY PINCH POINT IDENTIFIED BY COLLETT	CUSTOMER JENNING O'DONNOVAN SITE FIRLOUGH WIND FARM DWG. NO 381311-150A1.1
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Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Blade lifter rotated to 60°



Continue on N59 to left hand bend prior to Ballysadare.

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

- Loaded blade will navigate this bend while rotated to 60°.
- A suitable transshipment area is to be created between this location and the exit from the N4.
- All overhead lines from transshipment point to other transshipment point are to be removed to allow the blade to utilise the airspace.
- PRA Location number - 53.

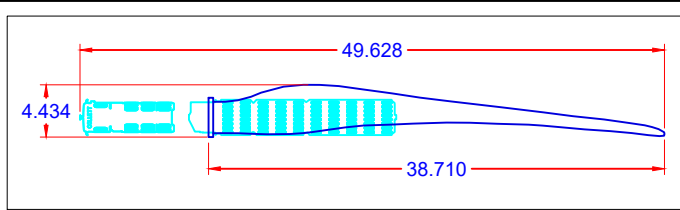
Irish Grid Reference: G 66661 29708

- 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.
- The drawing has been produced from aerial imagery and adjusted where necessary to reflect measurements taken on site with a tape measure. A site visit has **not** been conducted to verify road widths or the presence of street furniture.
- 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. Form 'BE16' permits will also be required to undertake the movement of the vehicle shown in the swept path analysis. These permits are at the discretion of the Highway Agency (HA). Therefore, approval of these 'permits for movements' by the HA 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 meters.

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

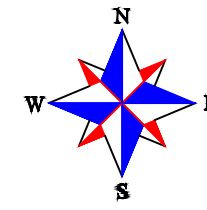
	<b>COLLETT &amp; SONS LIMITED</b> Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN J.HALSTEAD DATE 01/02/2023 SCALE 1:500 SIZE A3	TITLE LEFT HAND BEND ON N59 PRIOR TO BALLYADARE MAPPING AERIAL IMAGERY PINCH POINT IDENTIFIED BY COLLETT	CUSTOMER JENNING O'DONNOVAN SITE FIRLOUGH WIND FARM DWG. NO 381311-160A1.1
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Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Blade lifter rotated to 60°



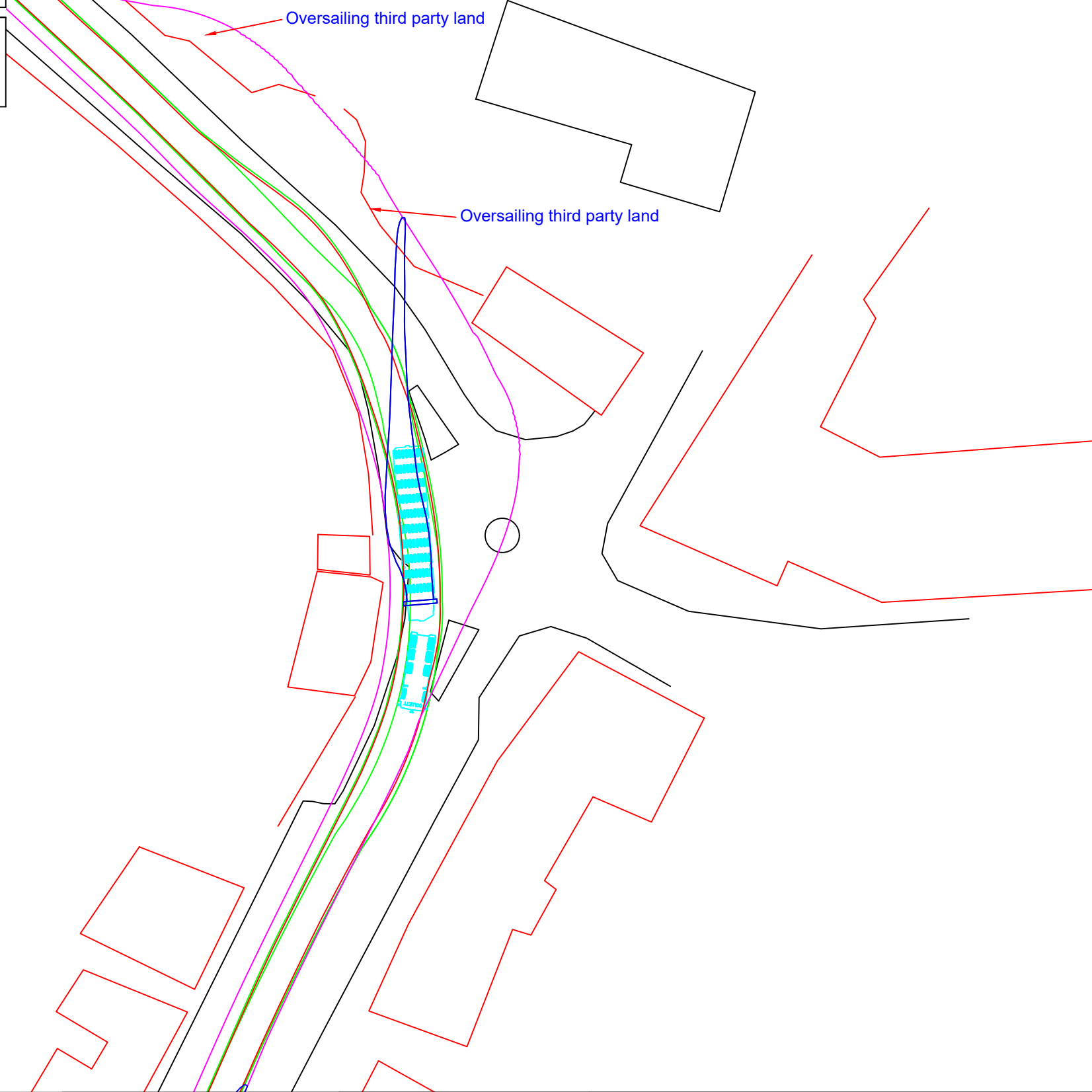
Continue on N59 to mini roundabout in Ballysadare.

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

- Loaded blade oversailing third party land on offside of N69.
- **All overhead lines from transshipment point to other transshipment point are to be removed to allow the blade to utilise the airspace.**
- PRA Location number - 55

Irish Grid Reference: G 66930 29235

- 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 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. Form 'BE16' permits will also be required to undertake the movement of the vehicle shown in the swept path analysis. These permits are at the discretion of the Highway Agency (HA). Therefore, approval of these 'permits for movements' by the HA 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 meters.

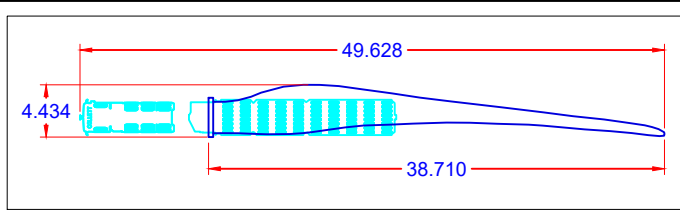


- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



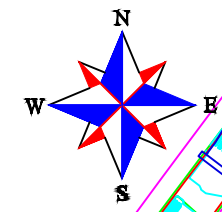
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Albert Road FAX: +44(0)8456 255244  
Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	MINI ROUNDABOUT IN BALLYSDARE		
DATE	01/02/2023	MAPPING	AERIAL IMAGERY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
				SITE	FIRLOUGH WIND FARM
				DWG. NO	381311-170A1.1



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Blade lifter rotated to 60°



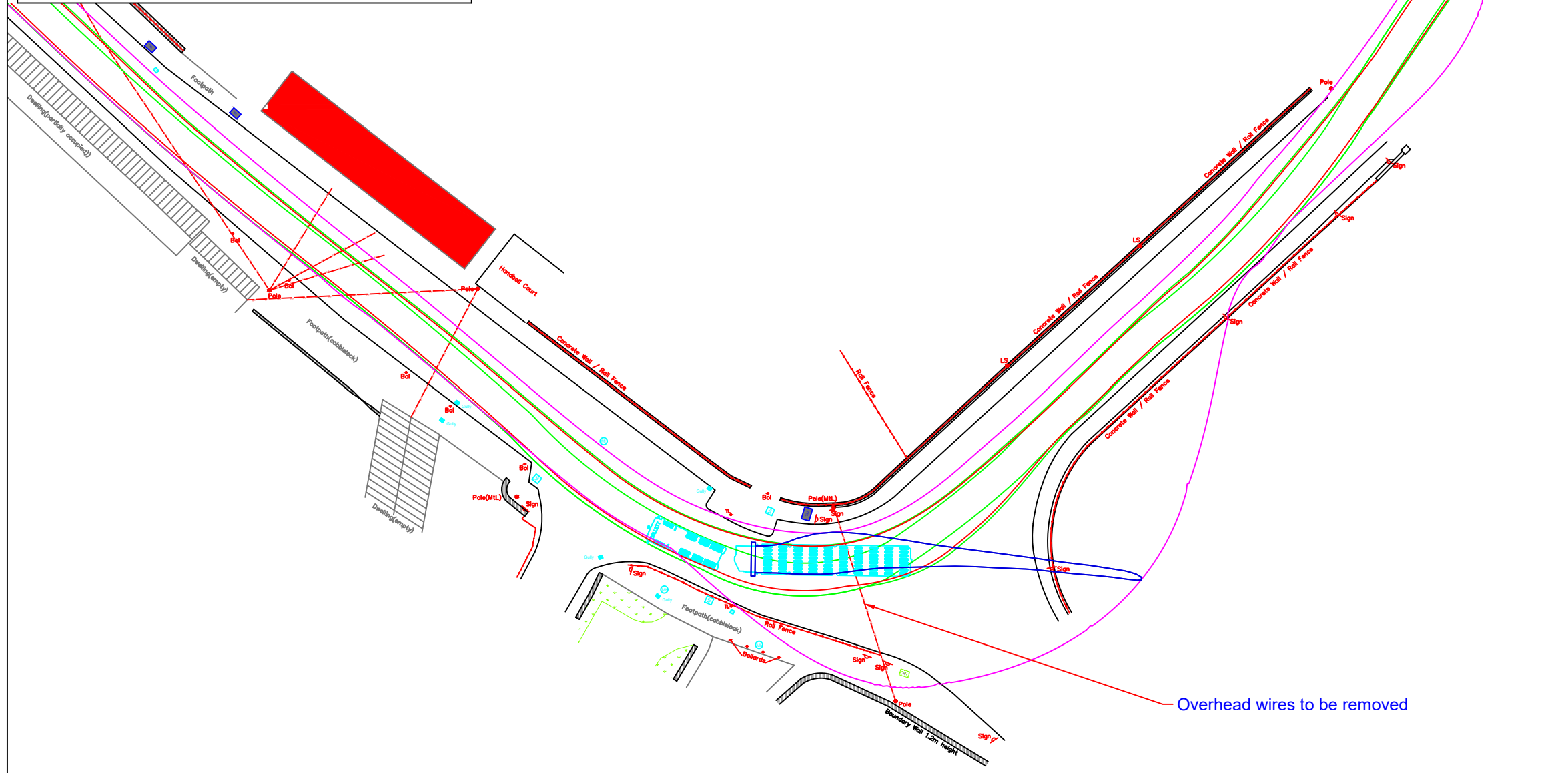
Continue on N59 over bridge to right hand bend in Ballysadare.

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

- All overhead lines from transshipment point to other transshipment point are to be removed to allow the blade to utilise the airspace.
- PRA Location number - 55

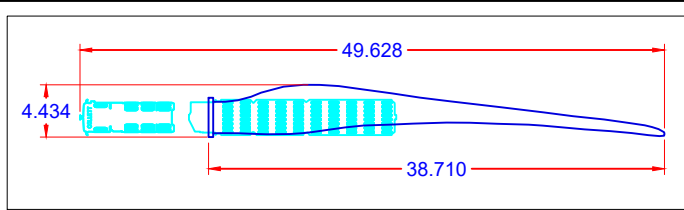
Irish Grid Reference: G 66786 29031

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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 meters.



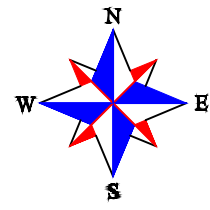
- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

	<b>COLLETT &amp; SONS LIMITED</b> Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN J.HALSTEAD DATE 01/02/2023 SCALE 1:500 SIZE A3	TITLE RIGHT HAND BEND AFTER RBIDGE IN BALLYADARE MAPPING TOPOGRAPHICAL SURVEY PINCH POINT IDENTIFIED BY COLLETT	CUSTOMER JENNING O'DONNOVAN SITE FIRLOUGH WIND FARM DWG. NO 381311-180A1.1
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Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Blade lifter rotated to 60°

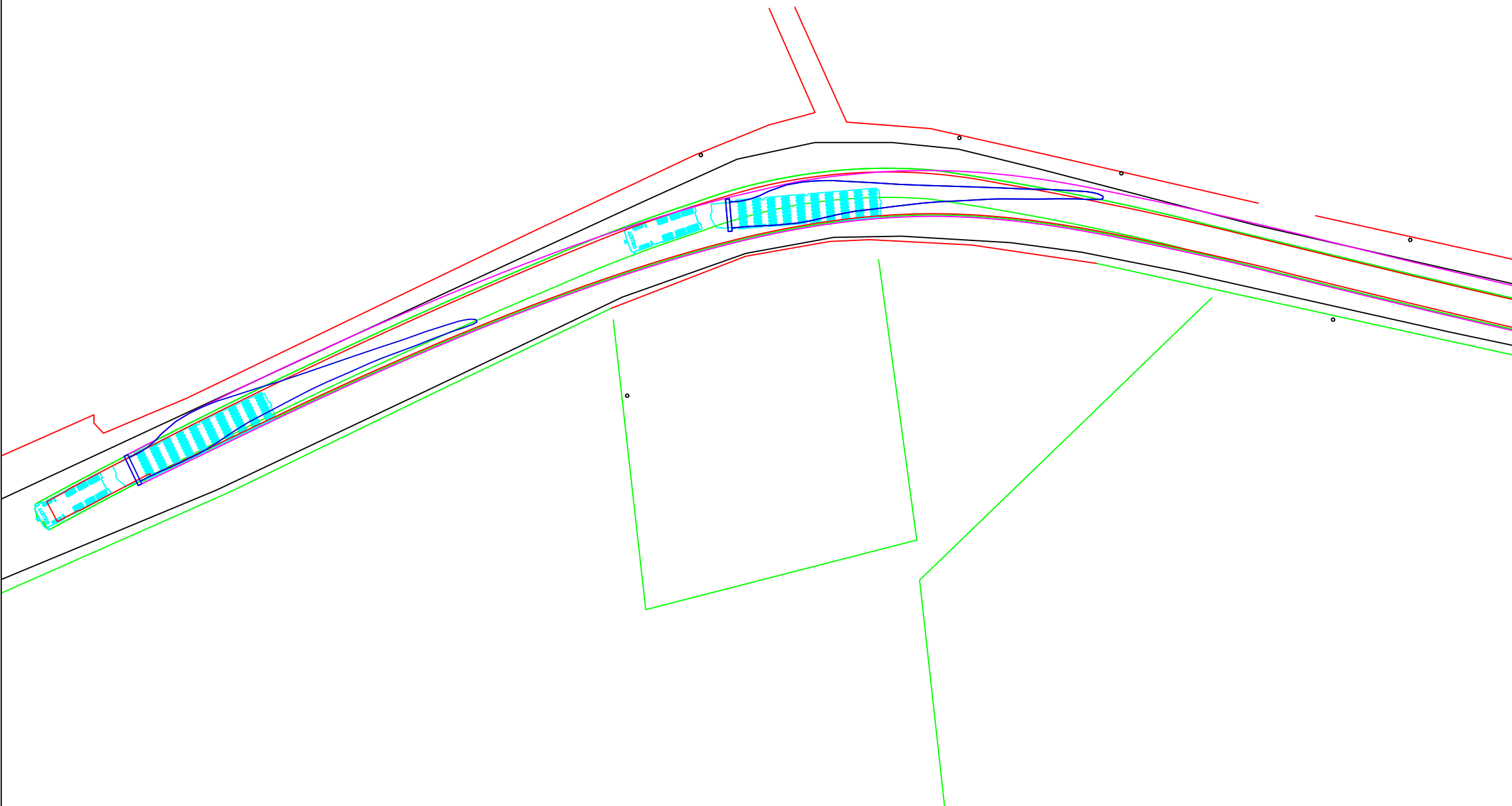


Continue on N59 left hand bend after Ballysadare.

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

- Loaded blade oversailing third party land on offside of N69.
- **All overhead lines from transshipment point to other transshipment point are to be removed to allow the blade to utilise the airspace.**
- PRA Location number - 60.
- From this location to the next a suitable transshipment area is to be created to load the blade back onto the super wing carrier.

Irish Grid Reference: G 65999 29293



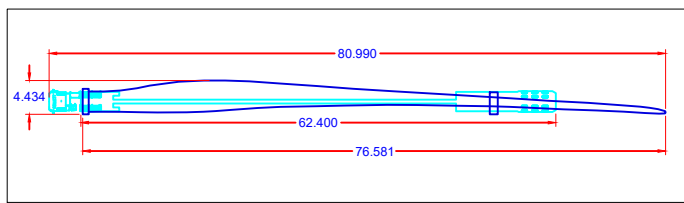
- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- The information is privileged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

- 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



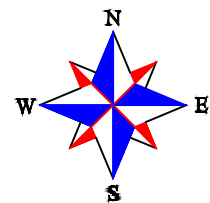
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Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	LEFT HAND BEND AFTER BALLYADARE		
DATE	01/02/2023	MAPPING	AERIAL IMAGERY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
				SITE	FIRLOUGH WIND FARM
				DWG. NO	381311-190A1.1



Swept Path indicates trailer utilising MANUAL steering

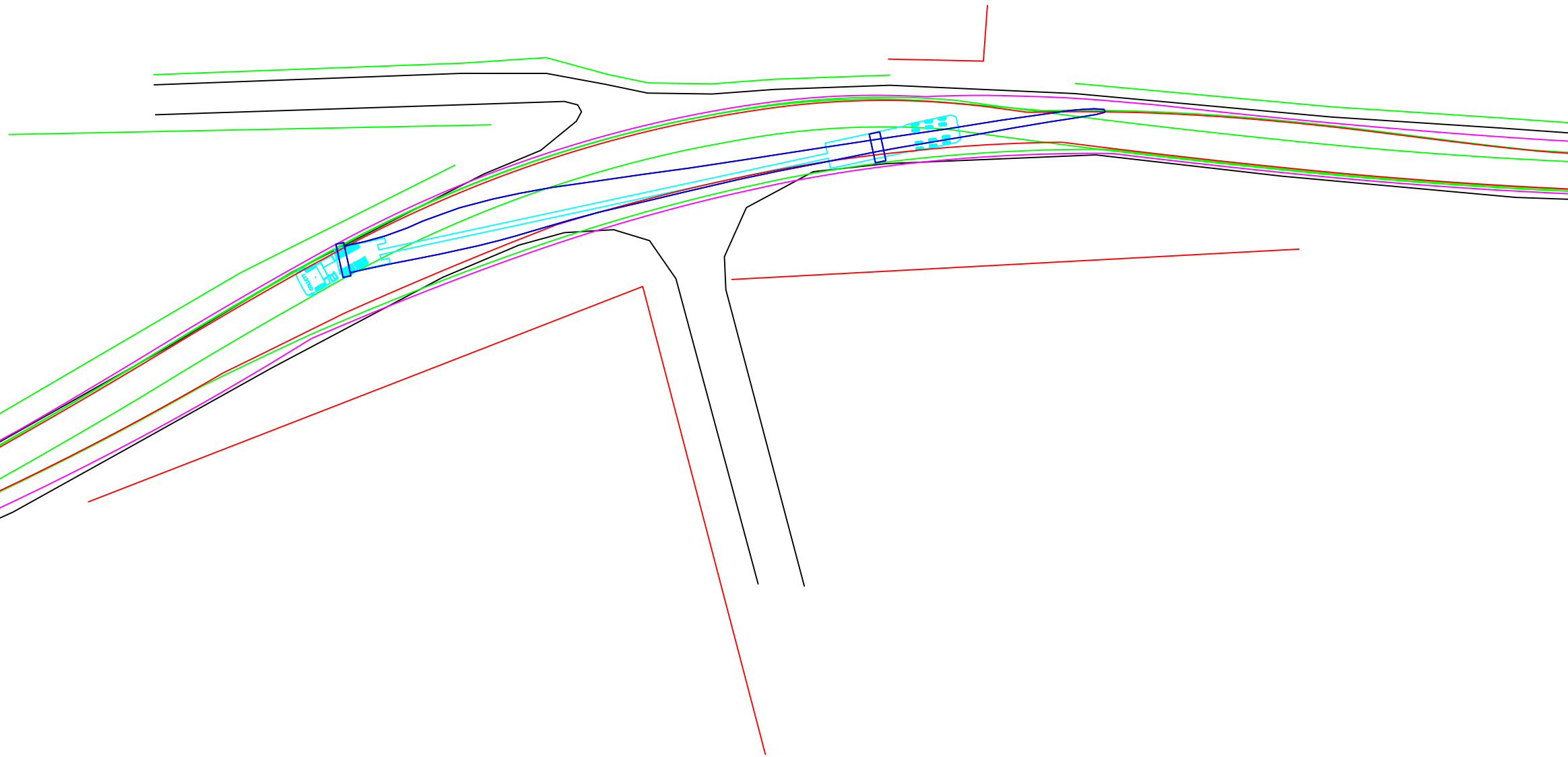
Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N59 to left hand bend after at junction.

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

- Loaded blade will navigate this bend without issue.
- PRA Location number - 61



Irish Grid Reference: G 64225 28759

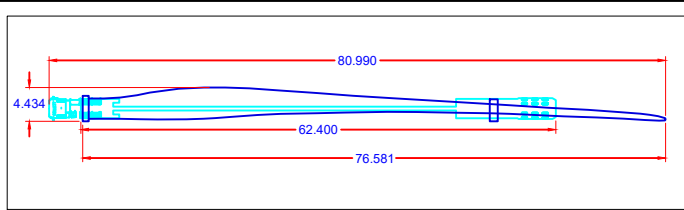
- The swept path analysis provided is produced from a purely transport orientated view, and does not consider any political issues in terms of land ownership, or any other precincts raised, that may otherwise be restrictive.
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- All dimensions in meters.

- 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



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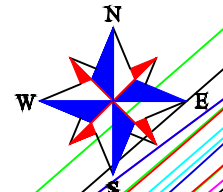
DRAWN	J.HALSTEAD	TITLE	LEFT HAND BEND ON N59		
DATE	01/02/2023	MAPPING	AERIAL IMAGERY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
				SITE	FIRLOUGH WIND FARM
				DWG. NO	381311-200A1.1



- 62

Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N59 to right hand bend after.

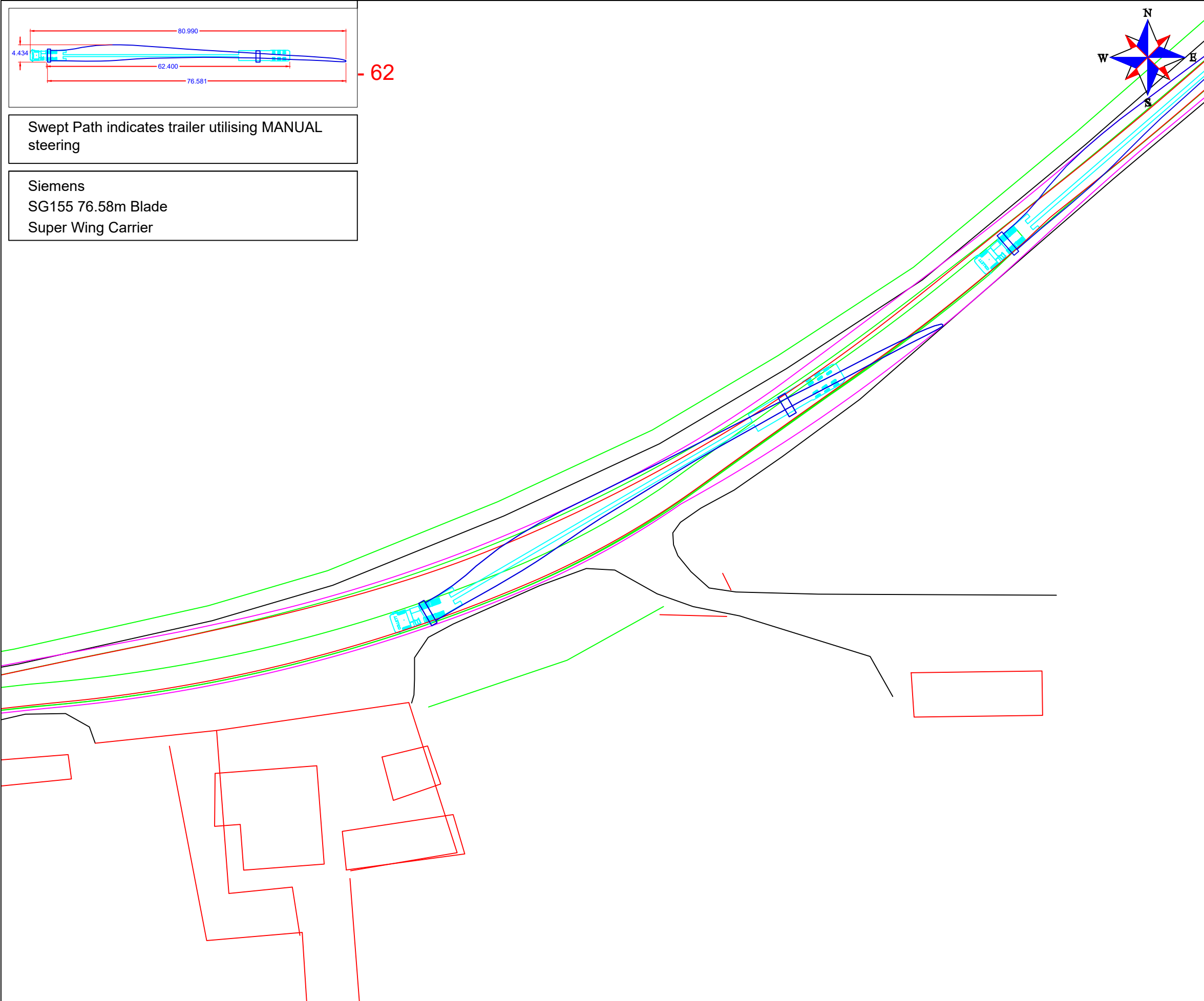
**\*\*Caution\*\***

- Loaded blade will navigate this bend without issue.
- PRA Location number - 62.

Irish Grid Reference: G 62958 28320

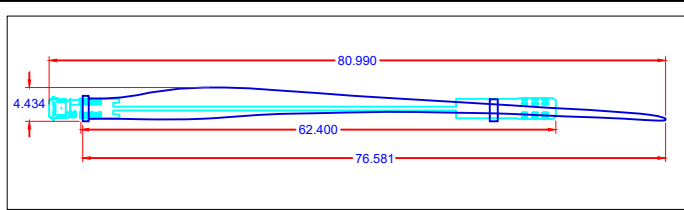
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- All dimensions in meters.

- 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



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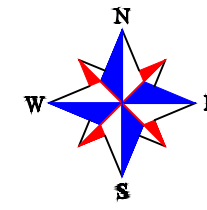
DRAWN	J.HALSTEAD	TITLE	RIGHT HAND BEND N59		
DATE	01/02/2023	MAPPING	AERIAL IMAGERY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	SITE	FIRLOUGH WIND FARM
		PINCH POINT IDENTIFIED BY	COLLETT	DWG. NO	381311-210A1.1



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier

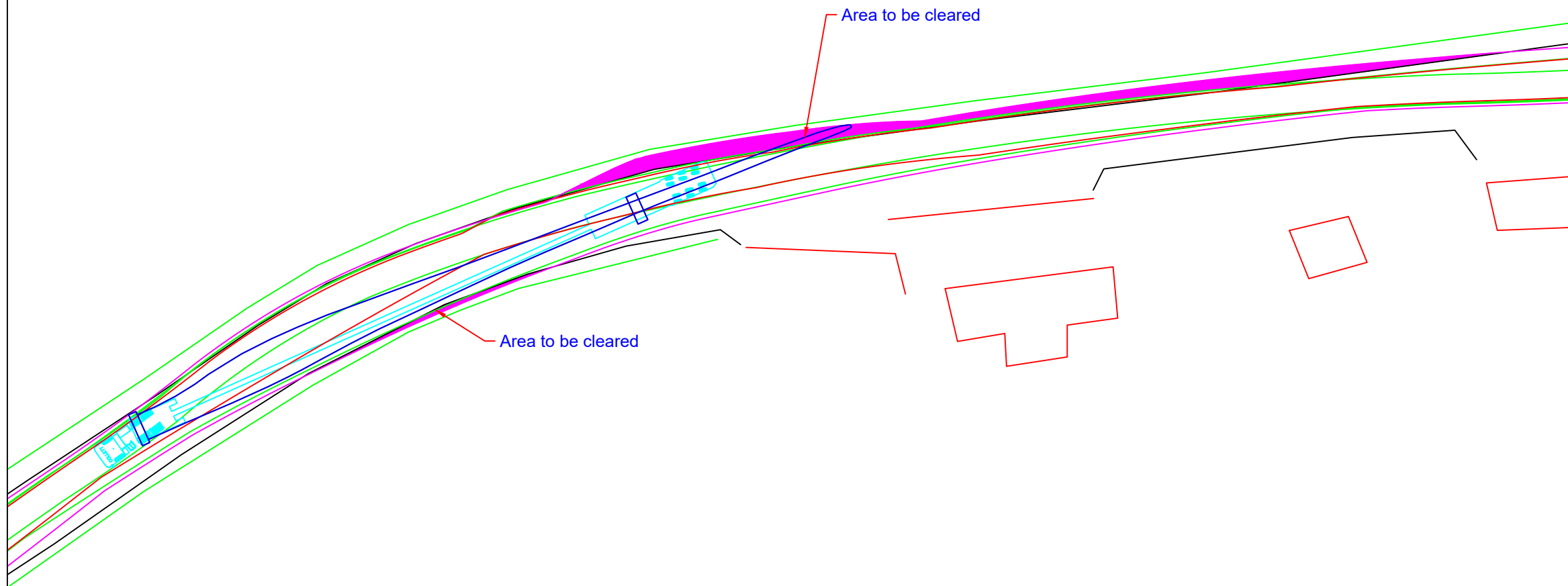
pp - 63



Continue on N59 to left hand bend.

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

- Area highlighted in magenta required to be cleared of all modifications to allow blade and trailer to oversail.
- PRA Location number - 63.

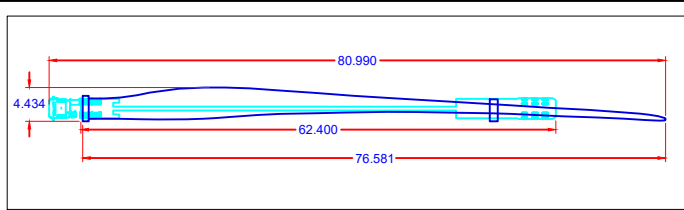


Irish Grid Reference: G 62624 28256

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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 meters.

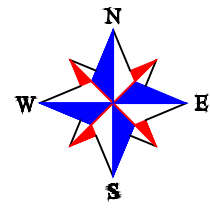
- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body

	<b>COLLETT &amp; SONS LIMITED</b> Victoria Terminal TEL: +44(0)8456 255288 Albert Road FAX: +44(0)8456 255244 Halifax, HX2 0DF WEB: www.collett.co.uk	DRAWN J.HALSTEAD DATE 01/02/2023 SCALE 1:500 SIZE A3	TITLE LEFT HAND BEND N59 MAPPING AERIAL IMAGERY PINCH POINT IDENTIFIED BY COLLETT	CUSTOMER JENNING O'DONNOVAN SITE FIRLOUGH WIND FARM DWG. NO 381311-220A1.1
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Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



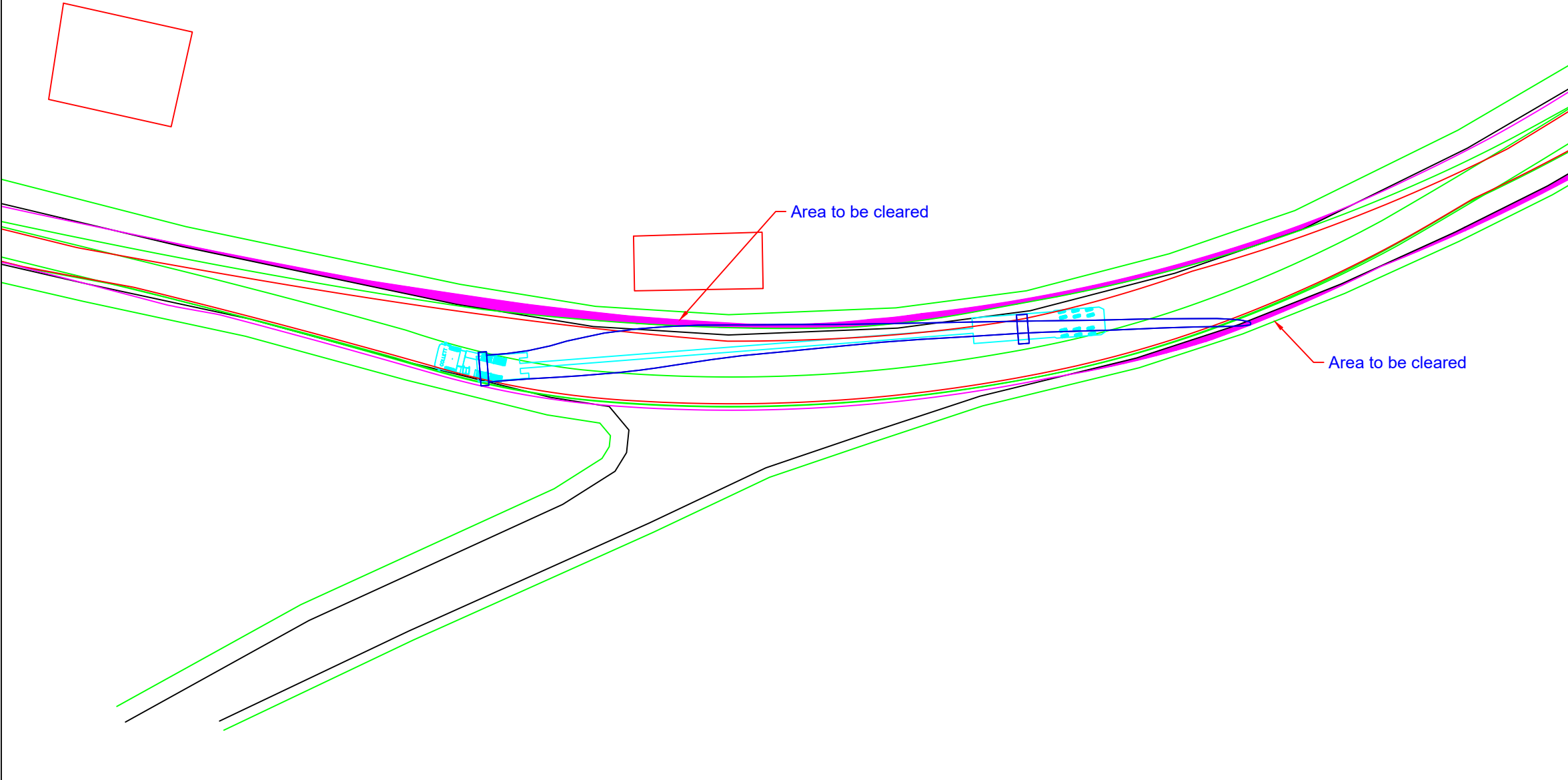
Continue on N59 to right hand bend.

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

- Area highlighted in magenta required to be cleared of all modifications to allow blade and trailer to oversail.
- PRA Location number - 64.

Irish Grid Reference: G 62434 28165

- 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.
- The drawing has been produced from aerial imagery and adjusted where necessary to reflect measurements taken on site with a tape measure. A site visit has **not** been conducted to verify road widths or the presence of street furniture.
- 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.
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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 meters.

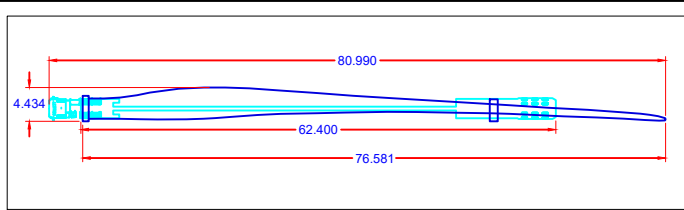


- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



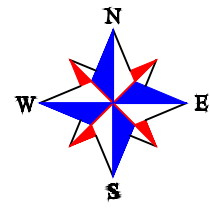
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Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	LEFT HAND BEND N59		
DATE	01/02/2023	MAPPING	AERIAL IMAGERY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
				SITE	FIRLOUGH WIND FARM
				DWG. NO	381311-220A1.1



Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier



Continue on N59 to left hand bend prior to junction.

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

- Area highlighted in magenta required to be cleared of all modifications to allow blade and trailer to oversail.
- PRA Location number - 68.

Irish Grid Reference: G 59015 30812

- 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.
- The drawing has been produced from aerial imagery and adjusted where necessary to reflect measurements taken on site with a tape measure. A site visit has **not** been conducted to verify road widths or the presence of street furniture.
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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.
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- All dimensions in meters.

Area to be cleared

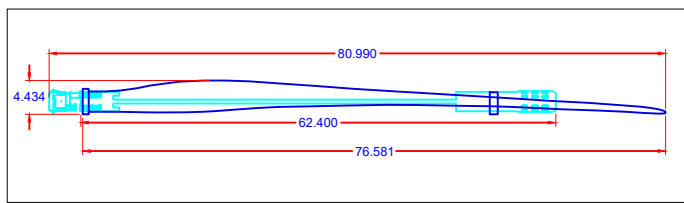
- Area within red outline will be swept by tractor and trailer axles
- ▨ Hatched area within red outline to be levelled and prepared to accept axle loadings
- Area within magenta outline will be oversailed by load and projections
- Area within green outline will be oversailed by trailer body



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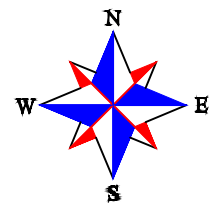
DRAWN	J.HALSTEAD	TITLE	LEFT HAND BEND N59 PRIOR TO JUNCTION		
DATE	01/02/2023	MAPPING	AERIAL IMAGERY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	SITE	FIRLOUGH WIND FARM
PINCH POINT IDENTIFIED BY		COLLETT	SITE		FIRLOUGH WIND FARM
					DWG. NO 381311-240A1.1





Swept Path indicates trailer utilising MANUAL steering

Siemens  
SG155 76.58m Blade  
Super Wing Carrier

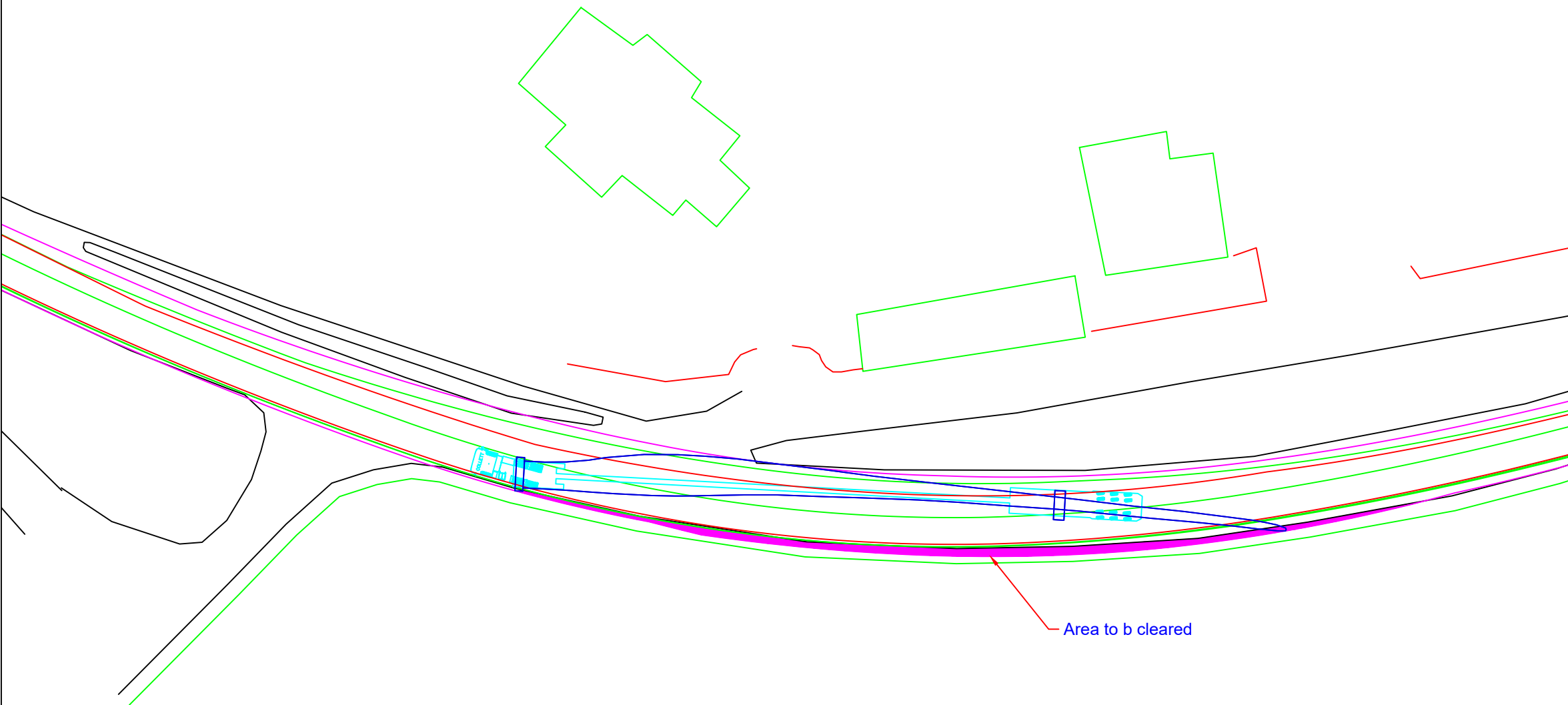


Continue on N59 to right hand bend prior to Dromore West.

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

- Area highlighted in magenta required to be cleared of all modifications to allow blade and trailer to oversail.
- PRA Location number - 72.

Irish Grid Reference: G 43816 33447



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



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Halifax, HX2 0DF WEB: www.collett.co.uk

DRAWN	J.HALSTEAD	TITLE	RIGHT HAND BEND N59 PRIOR TO DROMORE WEST		
DATE	01/02/2023	MAPPING	AERIAL IMAGERY	CUSTOMER	JENNING O'DONNOVAN
SCALE	1:500	SIZE	A3	PINCH POINT IDENTIFIED BY	COLLETT
				SITE	FIRLOUGH WIND FARM
				DWG. NO	381311-250A1.1