

Great North Road Solar and Biodiversity Park

Environmental Statement

Volume 4 - Technical Appendices

Technical Appendix A14.1 - Transport Statement - Appendix E (Passing Place Drawings)

Document Reference - EN010162/APP/6.4.14.1C

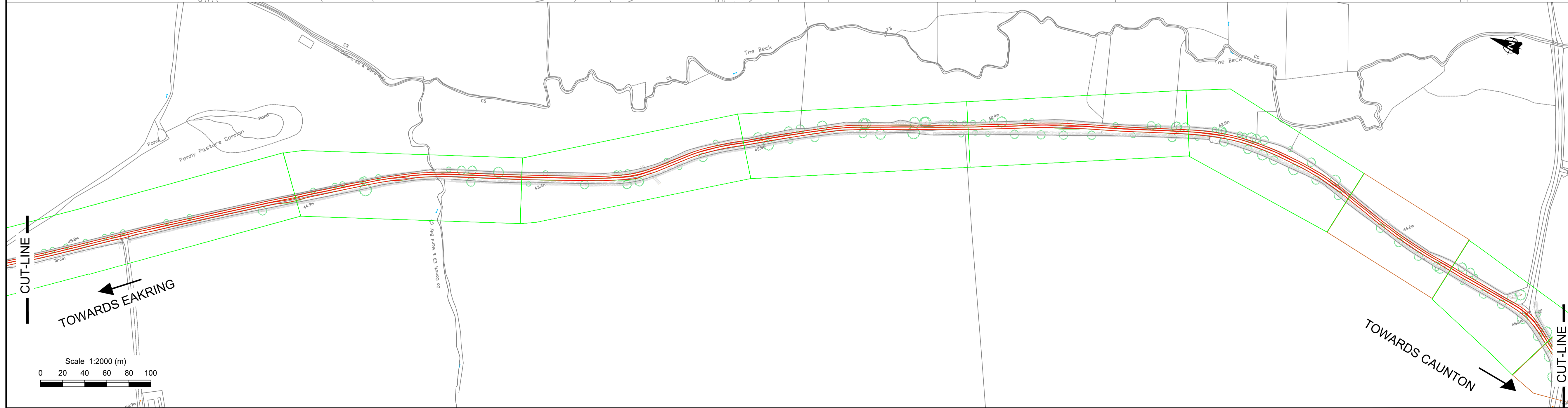
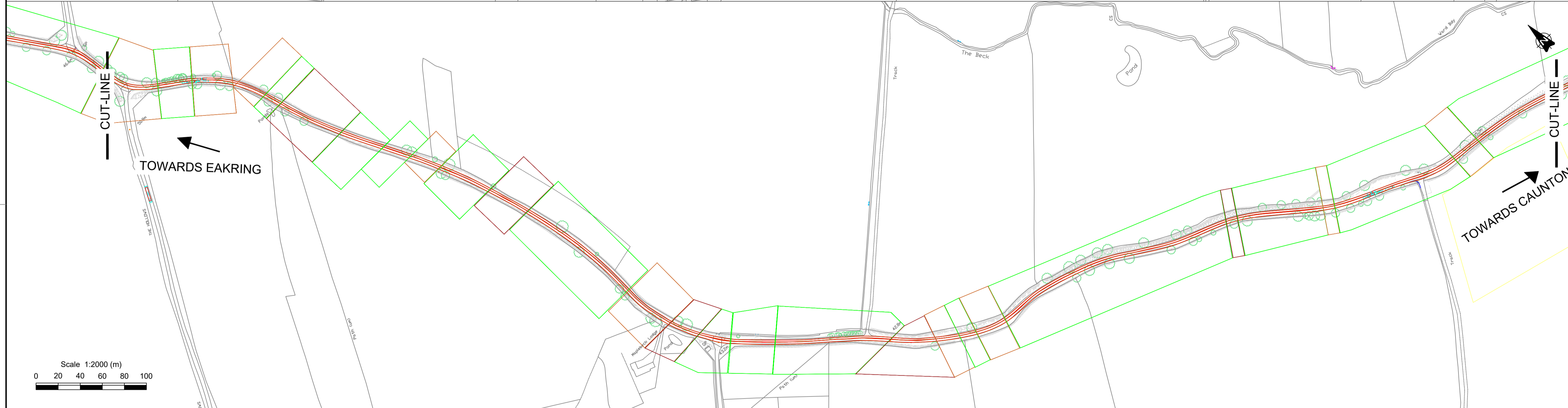
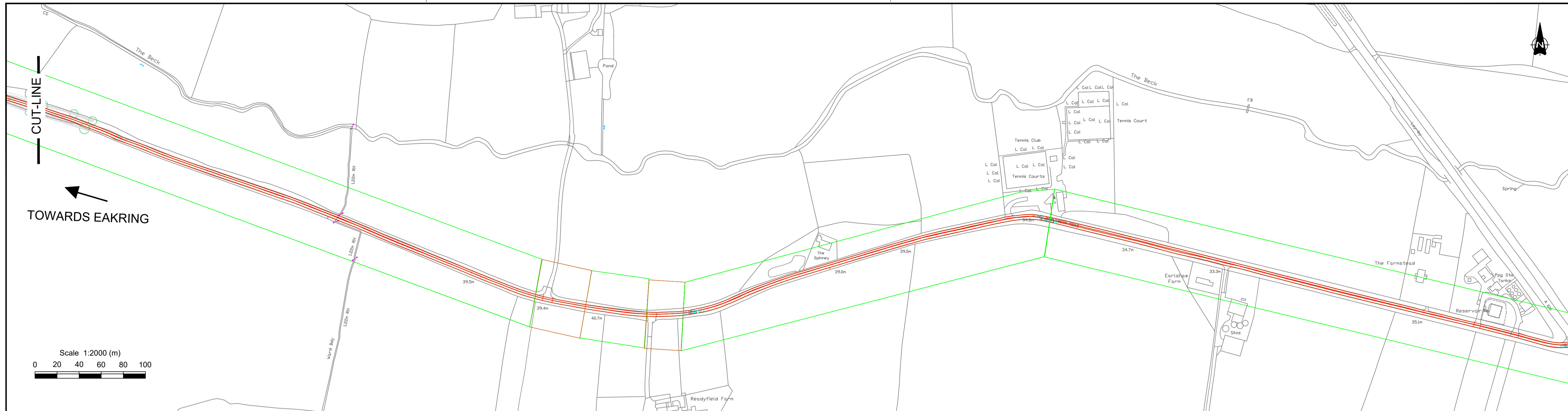
Revision number 4

April 2026

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, APFP Regulation 5(2)(q)



A14.1.13 APPENDIX E – PASSING PLACE DRAWINGS



NOTES

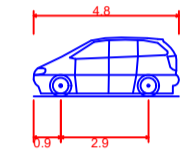
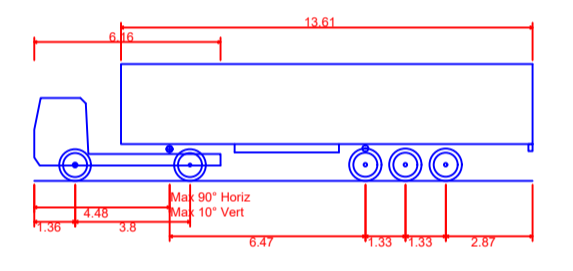
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KEY

- Vehicles pass with separation
- Vehicles pass with limited separation
- Vehicles unable to pass within road space

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VEHICLES USED FOR TRACKING

	Standard Design Vehicle (SDV)	4.800m
	Overall Length	2.090m
	Overall Width	1.950m
	Min Body Ground Clearance	0.100m
	Track Width	2.000m
	Lock to lock time	4.00s
	Wall to Wall Turning Radius	6.000m
	FTA Design Articulated Vehicle (1998)	16.480m
	Overall Length	2.550m
	Overall Width	3.870m
	Min Body Ground Clearance	0.150m
	Max Track Width	2.470m
	Lock to lock time	5.00s
	Kerb to Kerb Turning Radius	6.550m

Rev.	Date	Revision Details	Drawn	Checked	Approved

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Milburn House,
Dean Street,
Newcastle upon Tyne
NE1 1LE

T 0191 249 3816
E uk_newcastle@systra.com

Client: ELEMENTS GREEN TRENT LTD.

Project: GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title: CONSTRUCTION ROUTE SWEEP PATH ANALYSIS- MAPLEBECK ROAD SHEET 1 OF 2

Drawn: FW	Checked: SE	Approved: SE
Original dwg. size: A1	Date: 14.01.25	Scale: AS INDICATED
Drawing Status: INFORMATION	Drawing Number: 23D07-SPA01	Rev:



NOTES

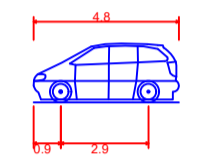
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3. This drawing is for planning purposes only.

KEY

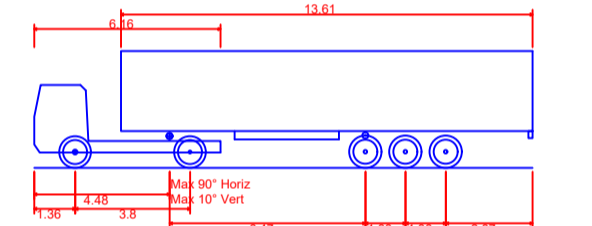
- Vehicles pass with separation
- Vehicles pass with limited separation
- Vehicles unable to pass within road space

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VEHICLES USED FOR TRACKING



Standard Design Vehicle (SDV)	
Overall Length	4.800m
Overall Width	2.000m
Overall Body Height	1.950m
Min Body Ground Clearance	0.100m
Track Width	2.000m
Lock to lock time	4.00s
Wall to Wall Turning Radius	6.000m



FTA Design Articulated Vehicle (1998)	
Overall Length	16.480m
Overall Width	2.550m
Overall Body Height	3.870m
Min Body Ground Clearance	0.515m
Max Track Width	2.470m
Lock to lock time	3.00s
Kerb to Kerb Turning Radius	6.550m

Rev.	Date	Revision Details	Drawn	Checked	Approved

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NE1 1LE
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E uk_newcastle@systra.com

Client: ELEMENTS GREEN TRENT LTD.

Project: GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title: CONSTRUCTION ROUTE SWEEPED PATH ANALYSIS- MAPLEBECK ROAD SHEET 2 OF 2

Drawn: FW	Checked: SE	Approved: SE
Original dwg. size: A1	Date: 14.01.25	Scale: AS INDICATED
Drawing Status: INFORMATION	Drawing Number: 23D07-SPA02	Rev:



NOTES

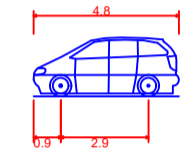
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KEY

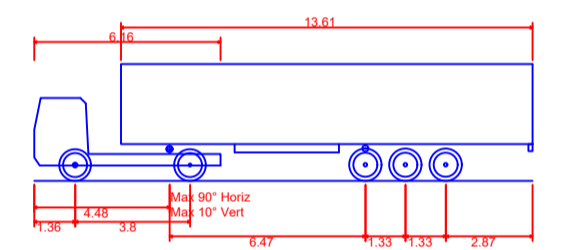
- Vehicles pass with separation
- Vehicles pass with limited separation
- Vehicles unable to pass within road space

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VEHICLES USED FOR TRACKING



Standard Design Vehicle (SDV)	
Overall Length	4.800m
Overall Width	2.000m
Overall Body Height	1.950m
Min Body Ground Clearance	0.100m
Track Width	2.000m
Lock to lock time	4.00s
Wall to Wall Turning Radius	6.000m



FTA Design Articulated Vehicle (1998)	
Overall Length	16.480m
Overall Width	2.550m
Overall Body Height	3.870m
Min Body Ground Clearance	0.515m
Max Track Width	2.470m
Lock to lock time	3.00s
Kerb to Kerb Turning Radius	6.550m

Rev.	Date	Revision Details	Drawn	Checked	Approved

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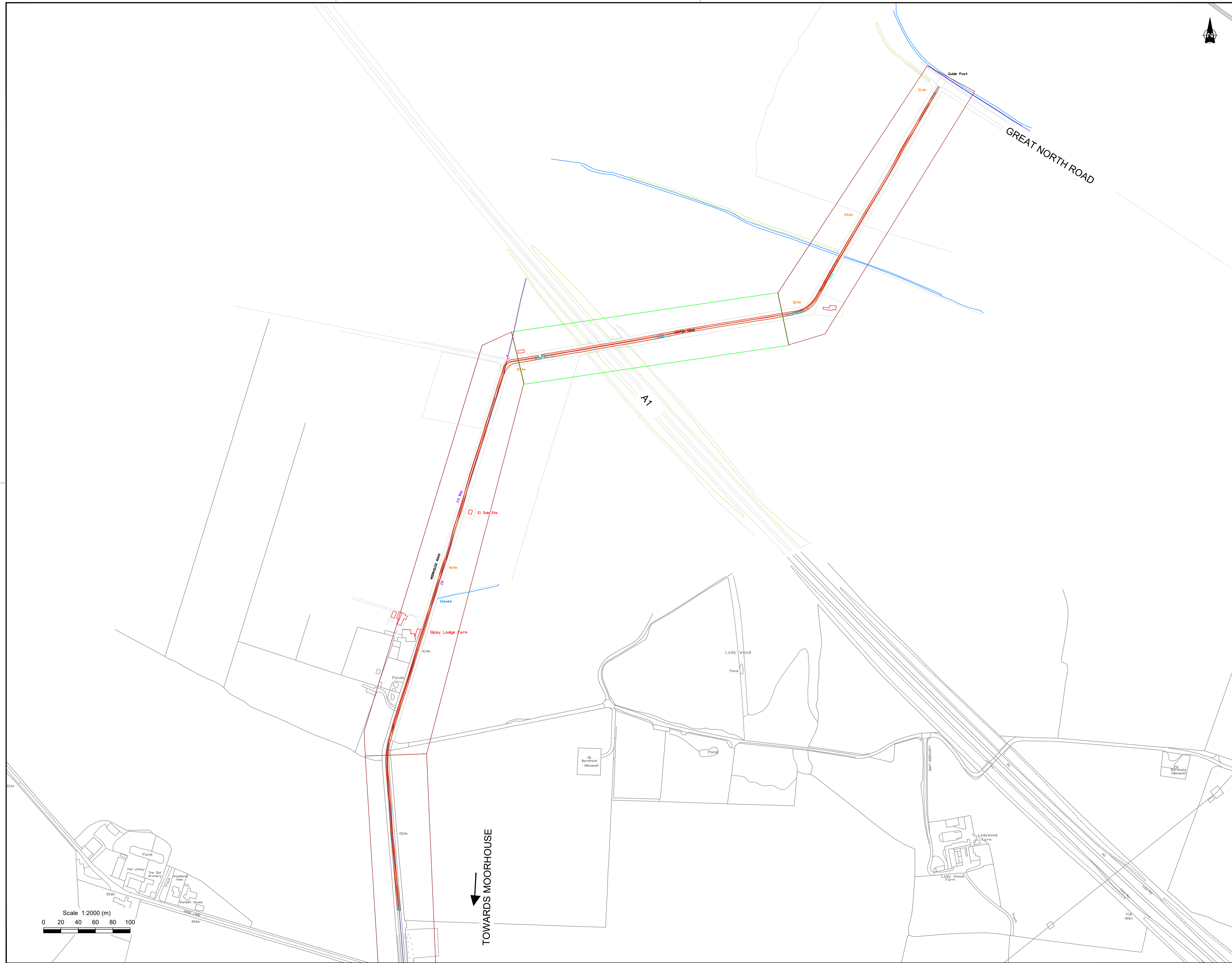
T 0191 249 3816
E uk_newcastle@systra.com

Client: ELEMENTS GREEN TRENT LTD.

Project: GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title: CONSTRUCTION ROUTE SWEEP PATH ANALYSIS- MOORHOUSE ROAD & WESTON ROAD SHEET 1 OF 1

Drawn: FW	Checked: SE	Approved: SE
Original dwg. size: A1	Date: 14.01.25	Scale: AS INDICATED
Drawing Status: INFORMATION	Drawing Number: 23D07-SPA03	Rev:



Scale 1:2000 (m)
0 20 40 60 80 100

TOWARDS MOORHOUSE



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- KEY**
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 - Vehicles pass with limited separation
 - Vehicles unable to pass within road space

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VEHICLES USED FOR TRACKING

Standard Design Vehicle (SDV)

Overall Length	4.800m
Overall Width	2.000m
Overall Body Height	1.950m
Min Body Ground Clearance	0.100m
Track Width	2.000m
Lock to lock time	4.00s
Wall to Wall Turning Radius	6.000m

FTA Design Articulated Vehicle (1998)

Overall Length	16.480m
Overall Width	2.550m
Overall Body Height	3.870m
Min Body Ground Clearance	0.515m
Max Track Width	2.470m
Lock to lock time	3.00s
Kerb to Kerb Turning Radius	6.550m

Rev.	Date	Revision Details	Drawn	Checked	Approved

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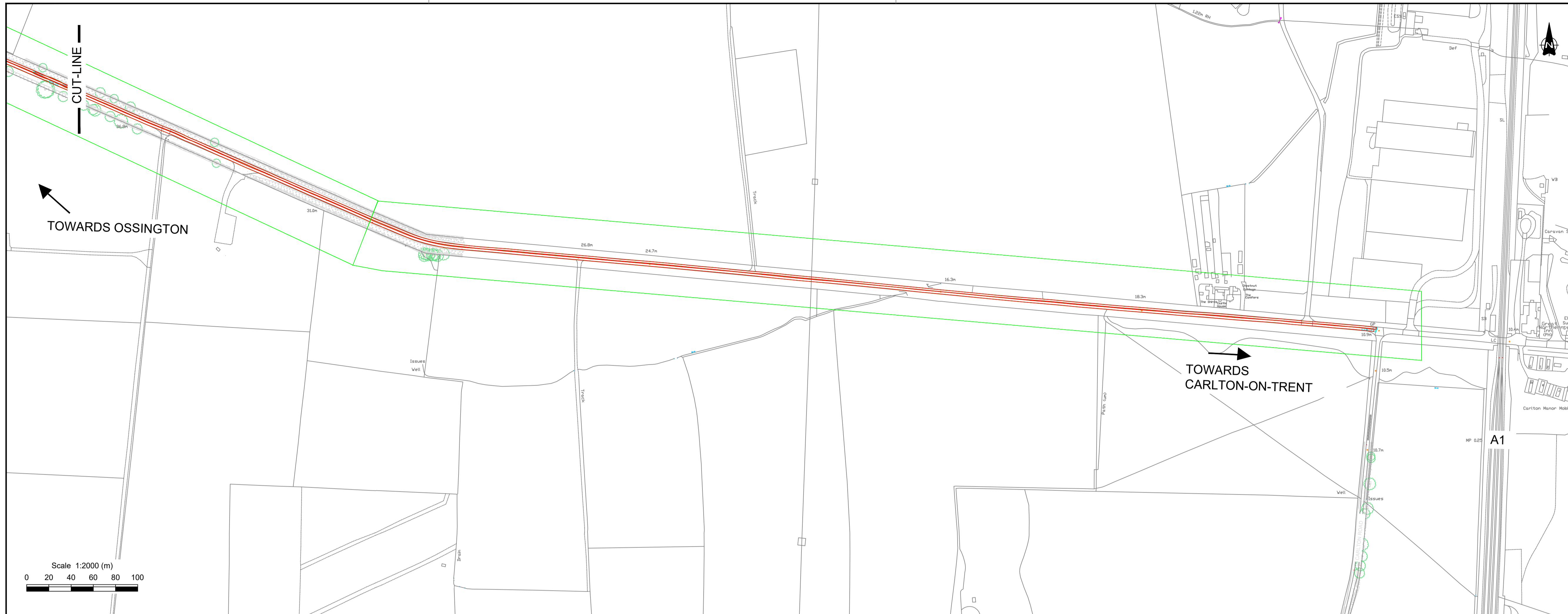
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E uk_newcastle@systra.com

Client: ELEMENTS GREEN TRENT LTD.

Project: GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title: CONSTRUCTION ROUTE SWEEP PATH ANALYSIS- OSSINGTON LANE SHEET 1 OF 1

Drawn: FW	Checked: SE	Approved: SE
Original dwg. size: A1	Date: 14.01.25	Scale: AS INDICATED
Drawing Status: INFORMATION	Drawn Number: 23D07-SPA04	Rev:



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- KEY**
- Vehicles pass with separation
 - Vehicles pass with limited separation
 - Vehicles unable to pass within road space

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VEHICLES USED FOR TRACKING

Standard Design Vehicle (SDV)

- Overall Length: 4.800m
- Overall Width: 2.000m
- Overall Body Height: 1.950m
- Min Body Ground Clearance: 0.100m
- Track Width: 2.000m
- Lock to lock time: 4.00s
- Wall to Wall Turning Radius: 6.000m

FTA Design Articulated Vehicle (1998)

- Overall Length: 16.480m
- Overall Width: 2.550m
- Overall Body Height: 3.870m
- Min Body Ground Clearance: 0.150m
- Max Track Width: 2.470m
- Lock to lock time: 3.00s
- Kerb to Kerb Turning Radius: 6.550m

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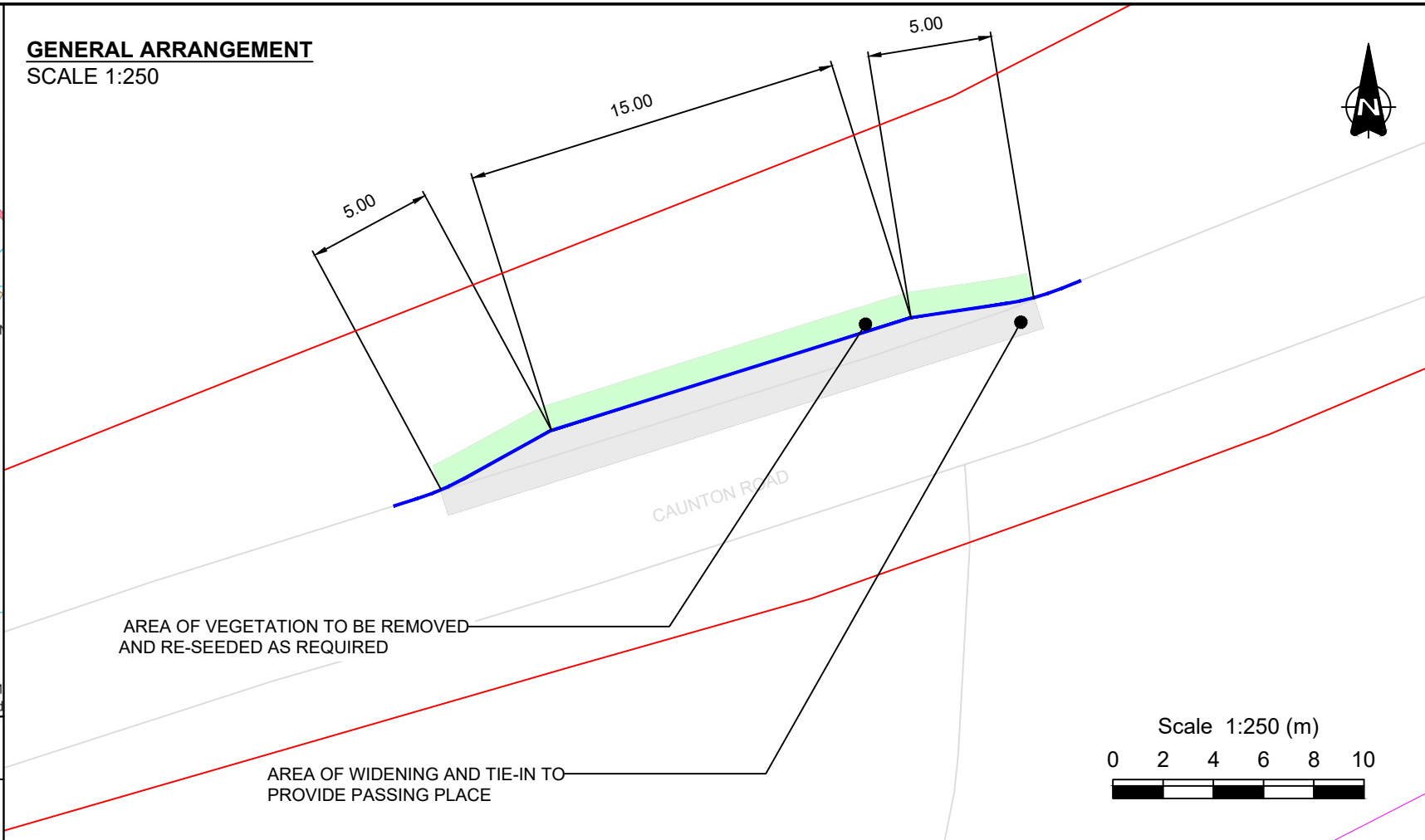
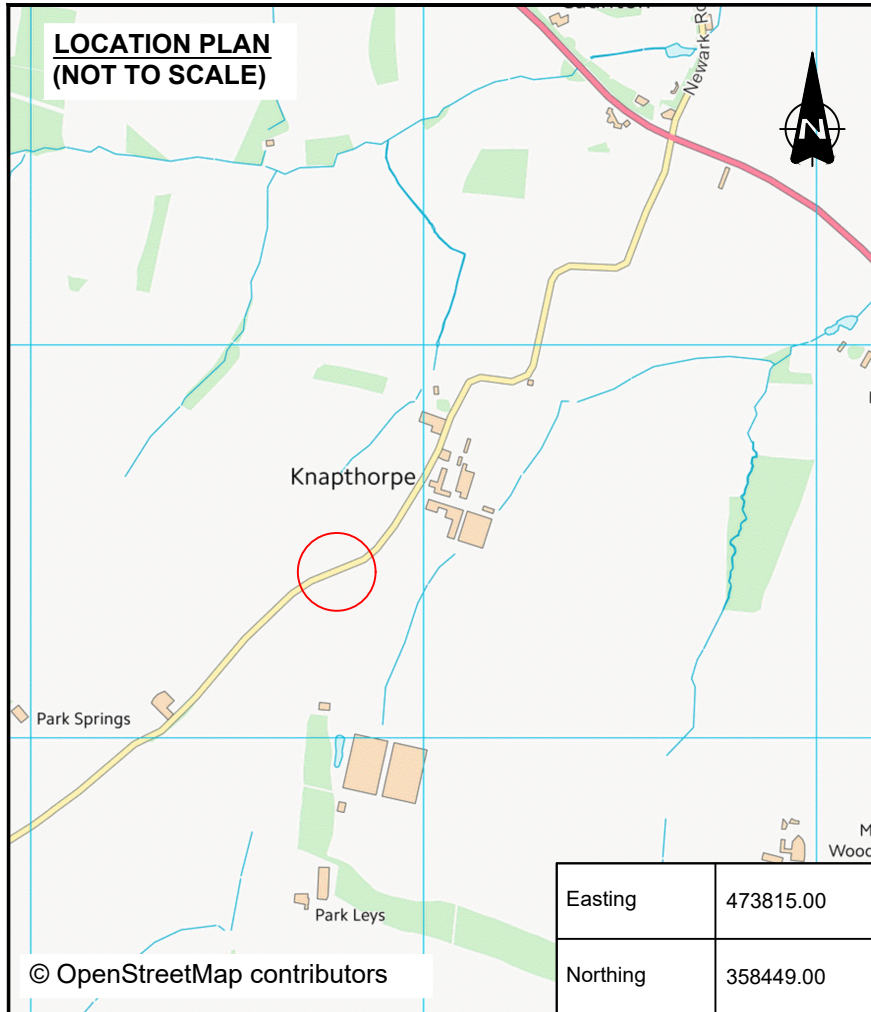
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Client: ELEMENTS GREEN TRENT LTD.

Project: GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title: CONSTRUCTION ROUTE SWEEP PATH ANALYSIS- OSSINGTON ROAD SHEET 1 OF 1

Drawn: FW	Checked: SE	Approved: SE
Original dwg. size: A1	Date: 14.01.25	Scale: AS INDICATED
Drawing Status: INFORMATION	Drawing Number: 23D07-SPA05	Rev:



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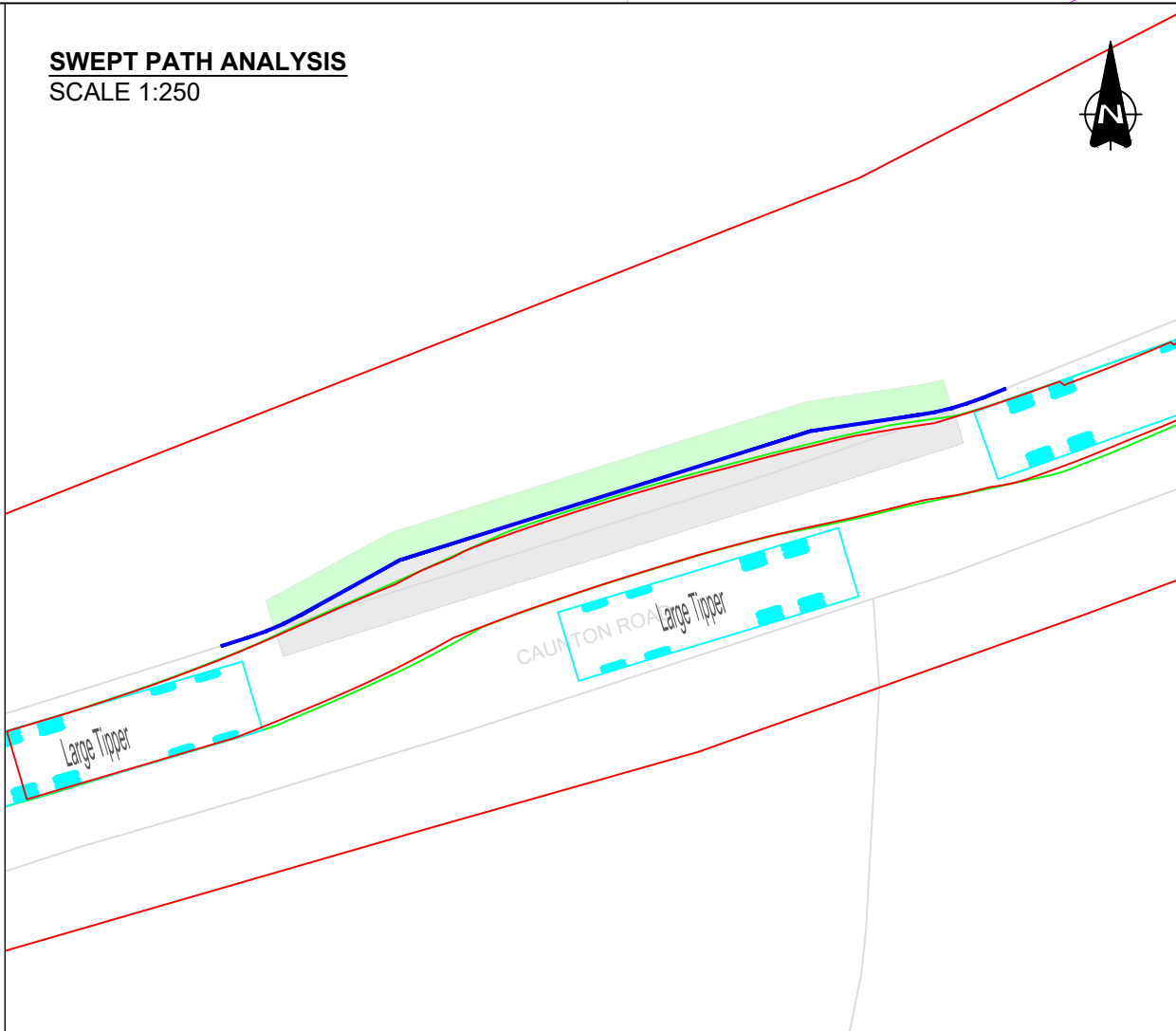
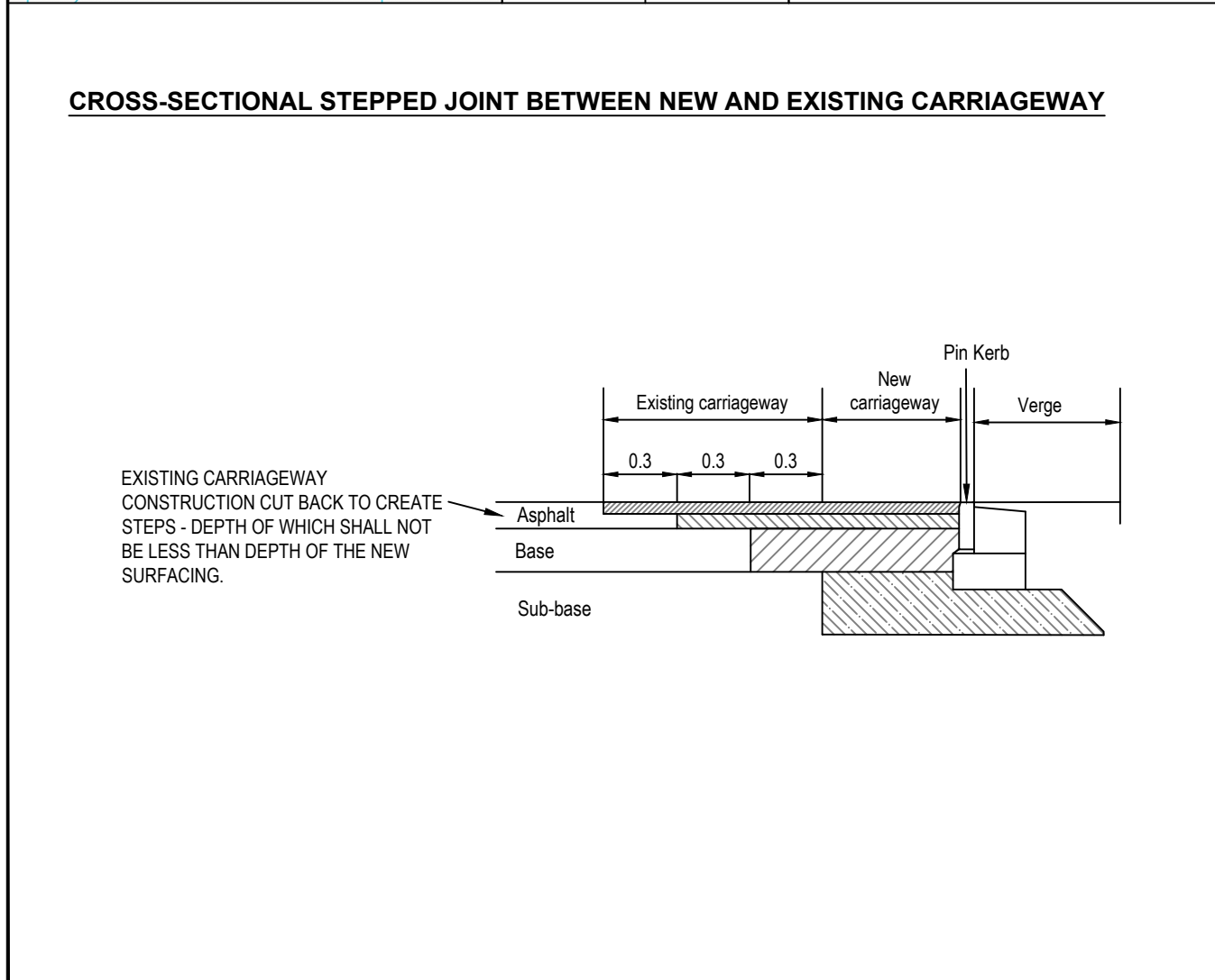
KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

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VEHICLE USED FOR SWEEP PATH

Large Tipper
 Overall Length 10.201m
 Overall Width 2.495m
 Overall Body Height 2.890m
 Min Body Ground Clearance 0.341m
 Track Width 2.471m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 11.550m



Rev.	Date	Revision details	Drawn	Checked	Approved

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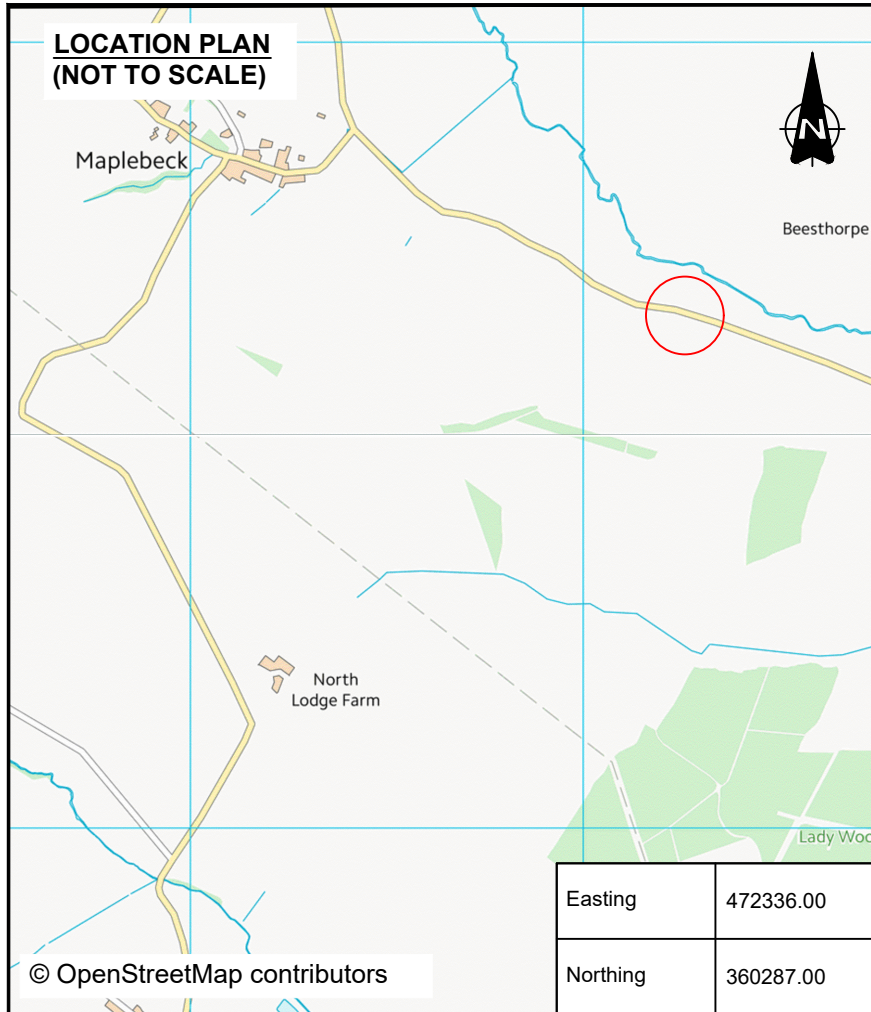
Client
 ELEMENTS GREEN TRENT LTD.

Project
 GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
 PROPOSED PASSING PLACE LOCATION 1

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK201	Rev.

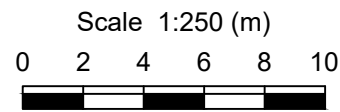
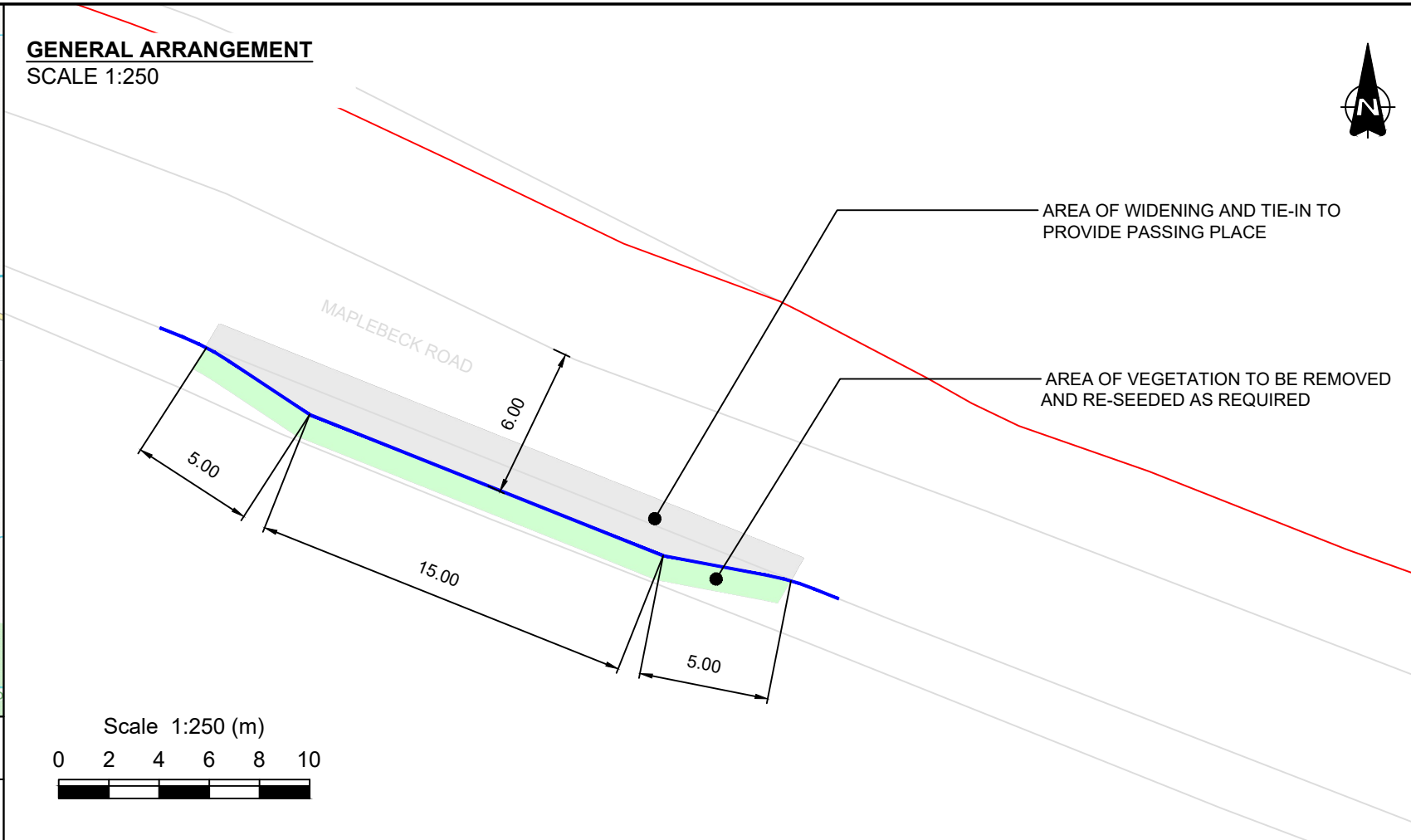
**LOCATION PLAN
(NOT TO SCALE)**



Easting	472336.00
Northing	360287.00

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**GENERAL ARRANGEMENT
SCALE 1:250**



NOTES

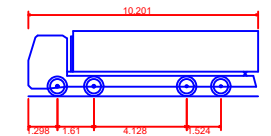
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3. This drawing is for planning purposes only.

KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

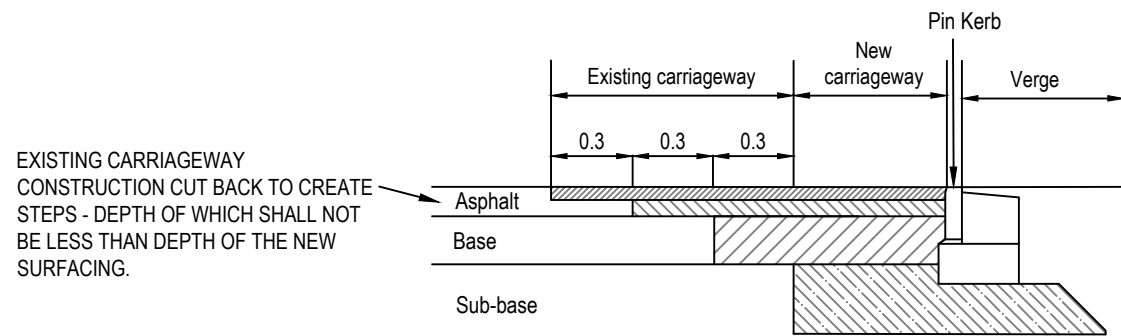
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VEHICLE USED FOR SWEEP PATH



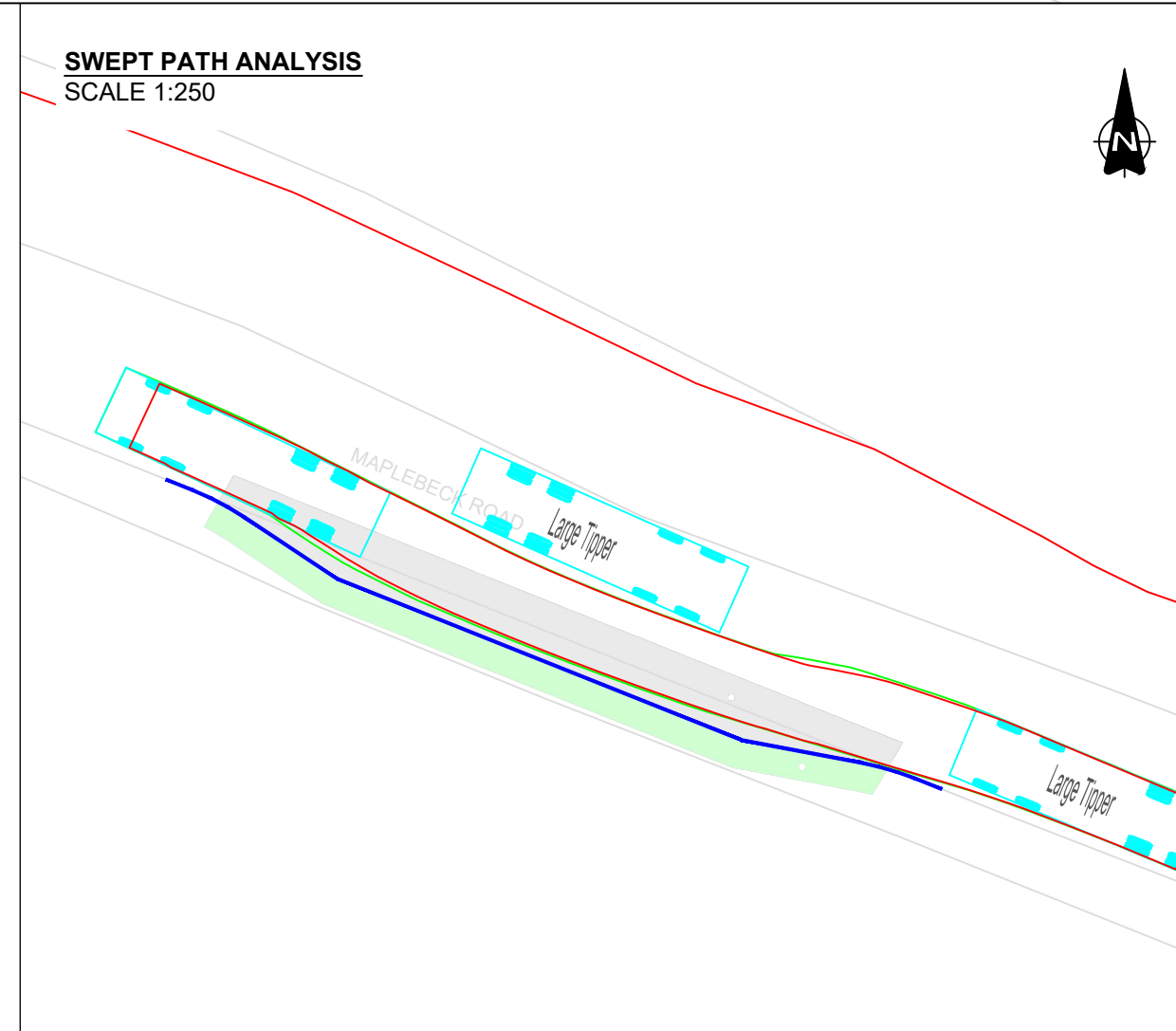
Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m

CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



EXISTING CARRIAGEWAY CONSTRUCTION CUT BACK TO CREATE STEPS - DEPTH OF WHICH SHALL NOT BE LESS THAN DEPTH OF THE NEW SURFACING.

**SWEPT PATH ANALYSIS
SCALE 1:250**



Rev.	Date	Revision details	Drawn	Checked	Approved

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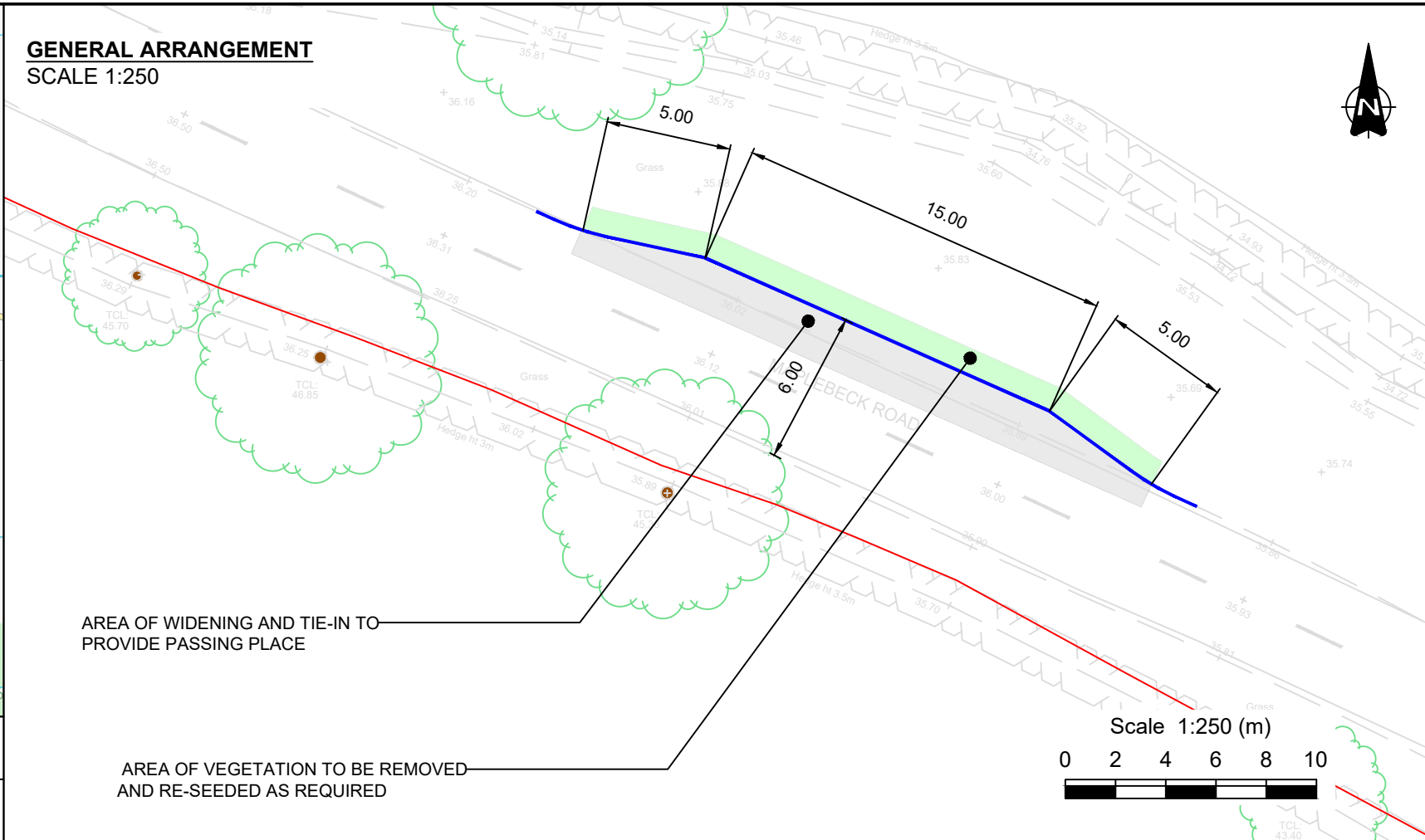
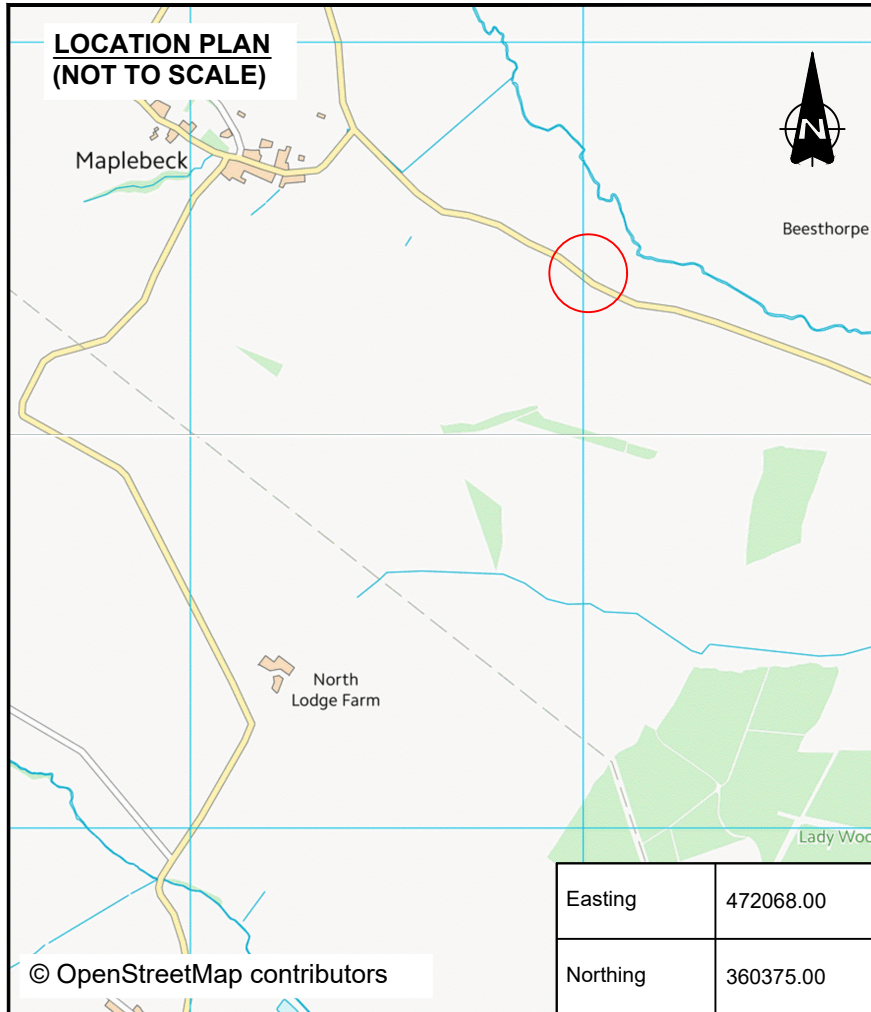
Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 2

Drawn: FW, Checked: JH, Approved: SE
Original dwg. size: A3, Date: 21.05.25, Scale: AS SHOWN

Drawing Status	Information	Drawing Number	23D07-SK202	Rev.	
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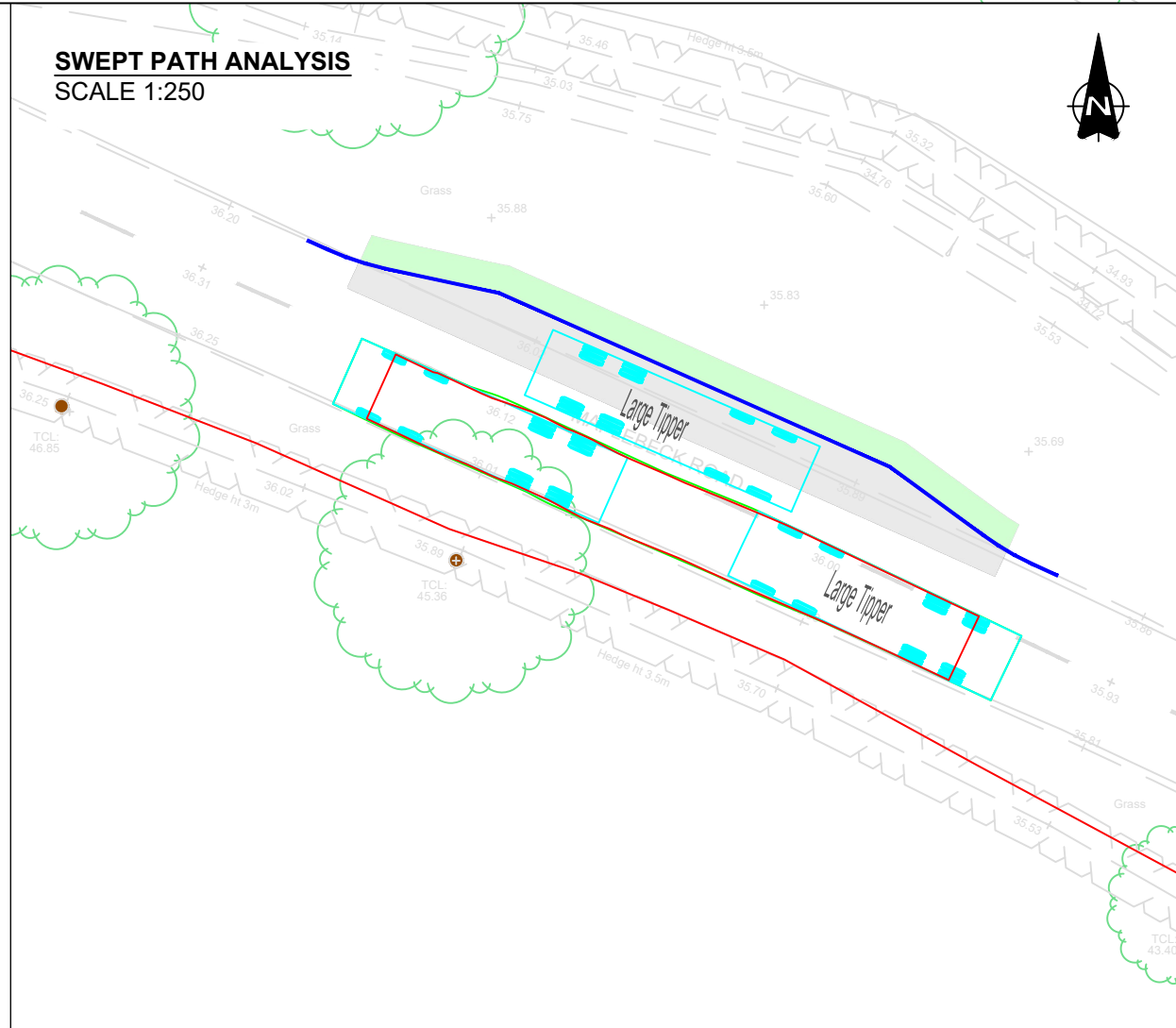
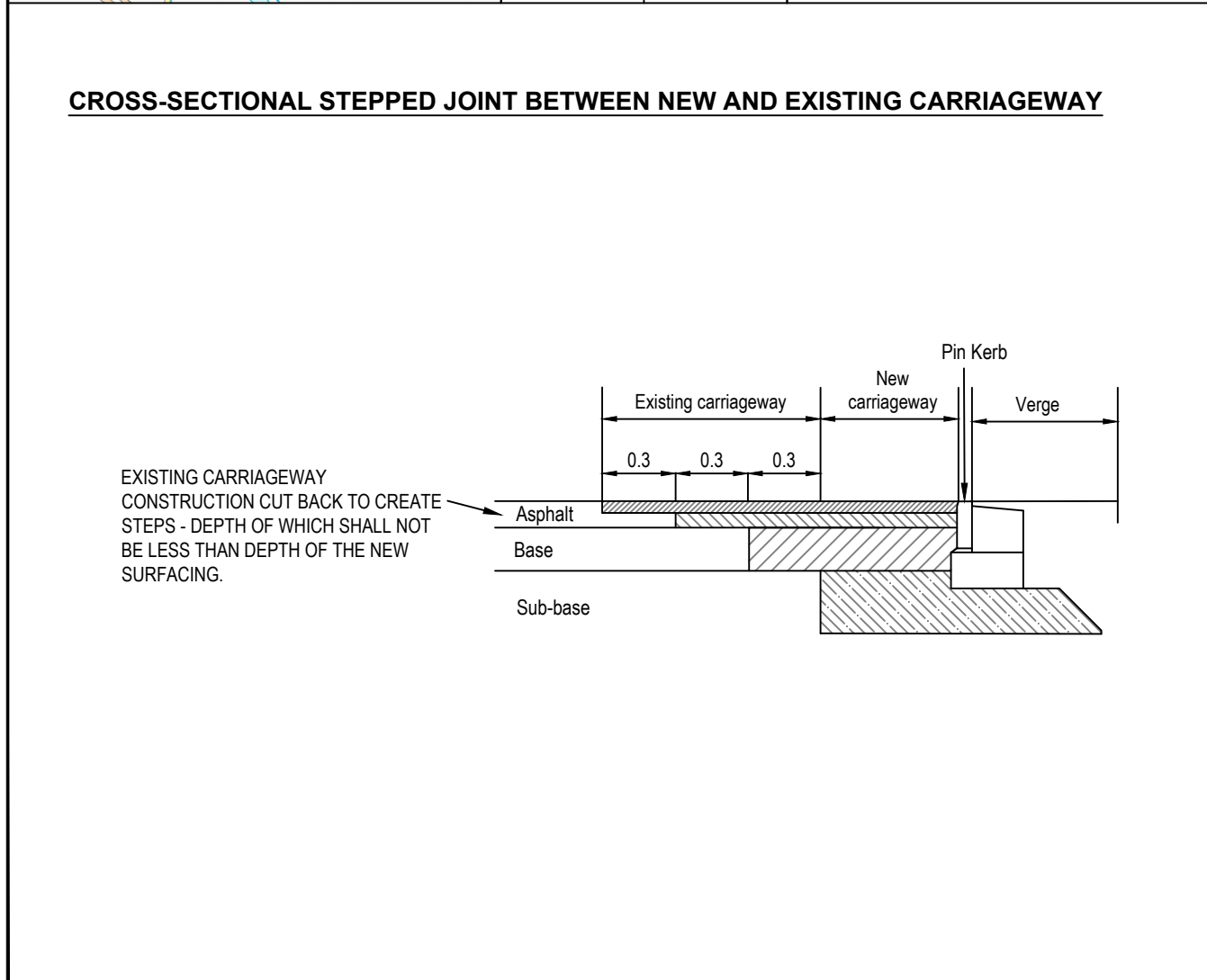
KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

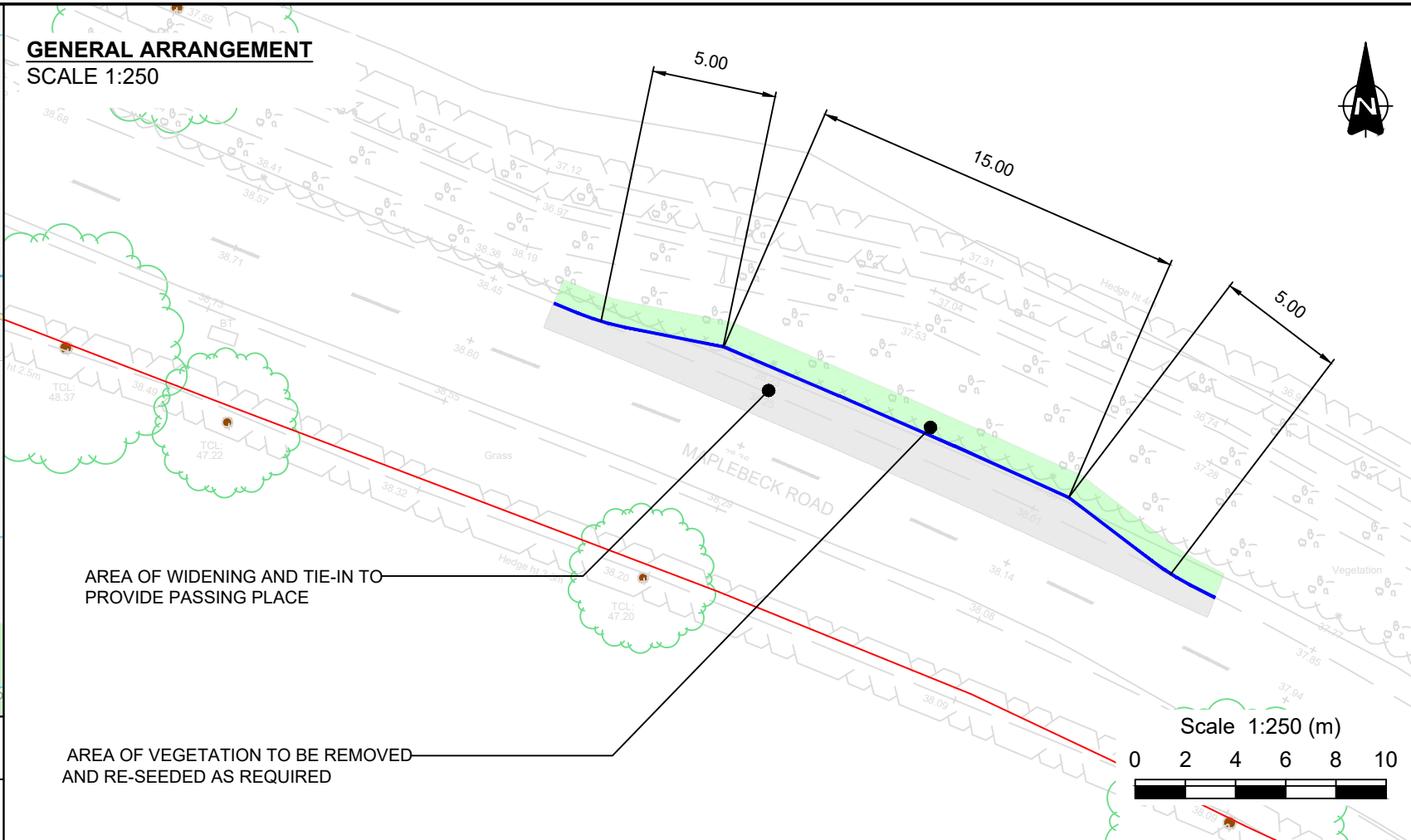
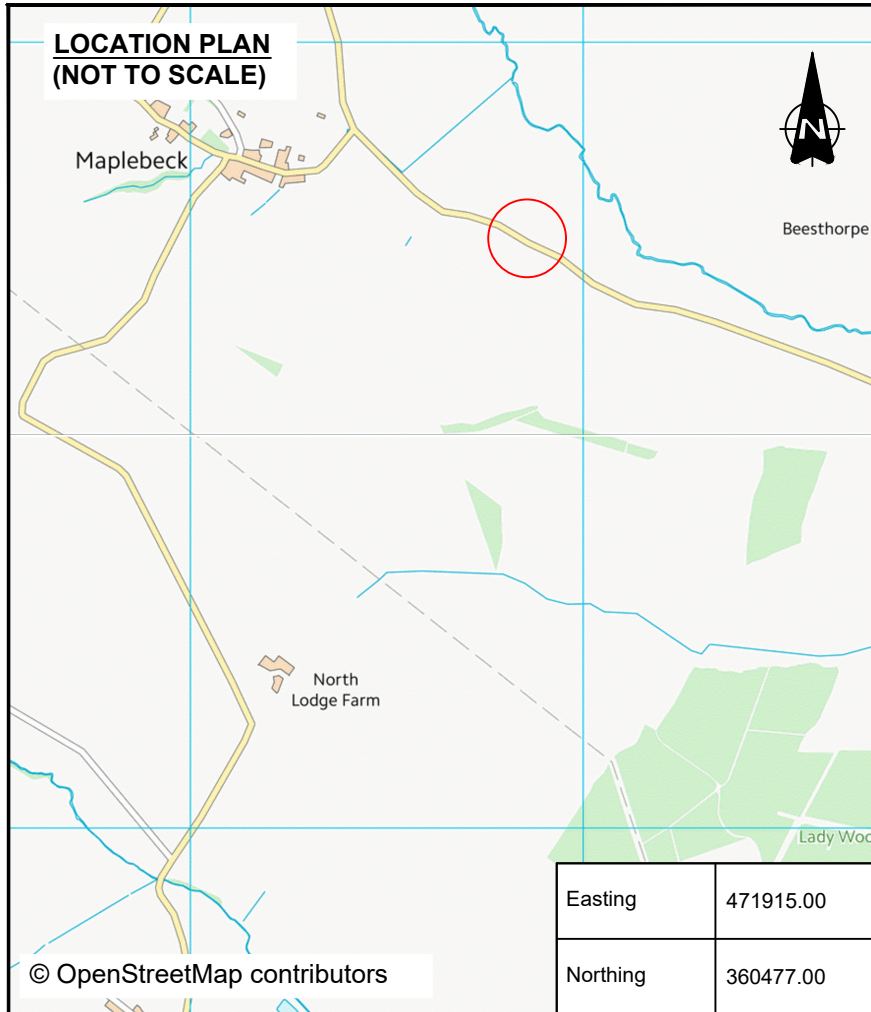
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VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



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Client ELEMENTS GREEN TRENT LTD.					
Project GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK					
Title PROPOSED PASSING PLACE LOCATION 3					
Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK203	Rev.



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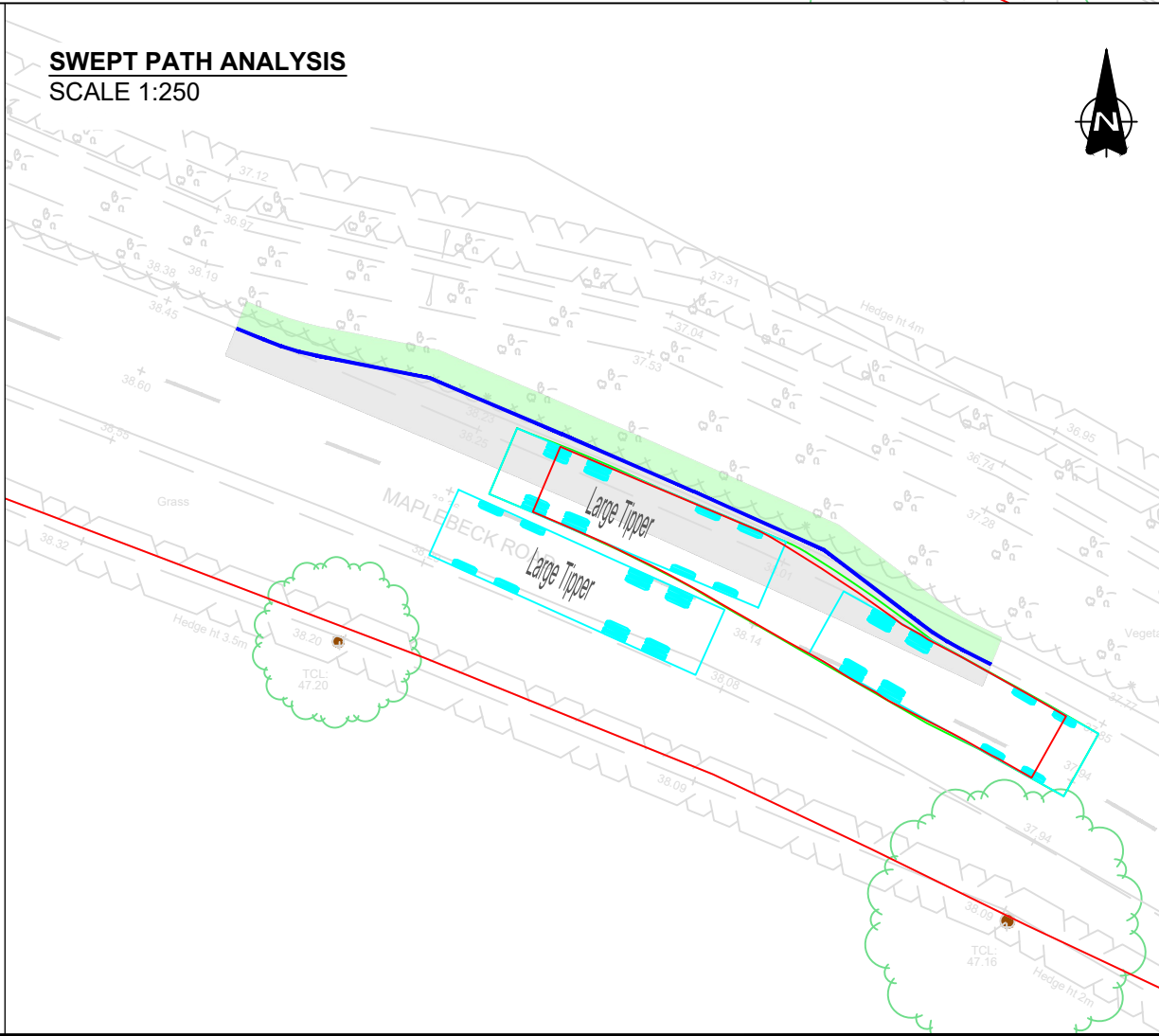
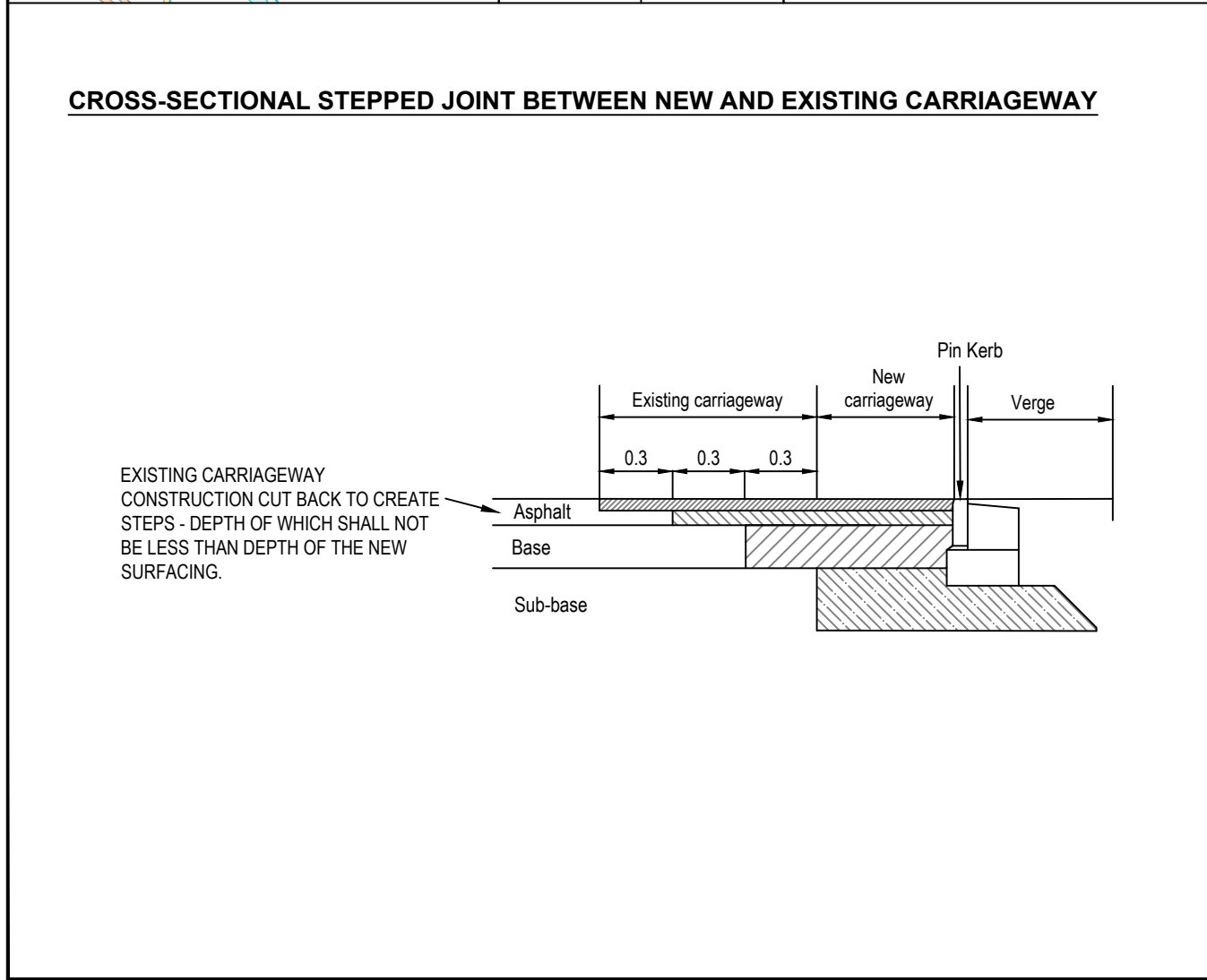
KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

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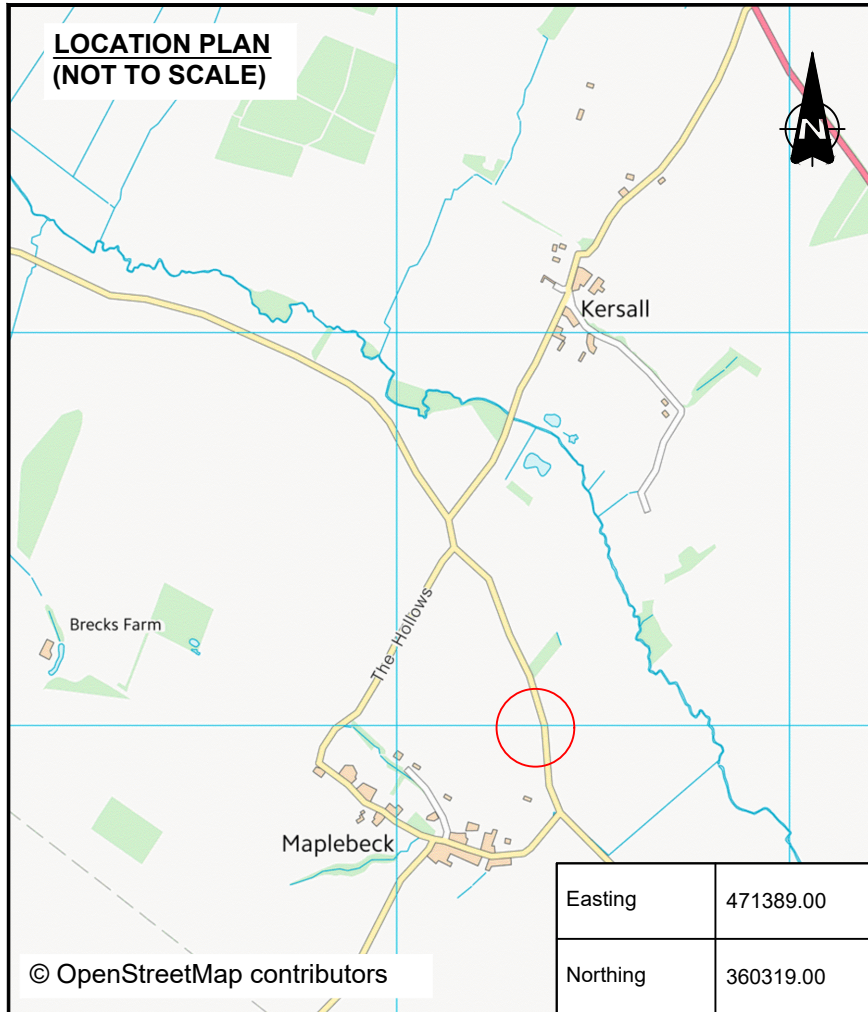
VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



Rev	Date	Revision details	Drawn	Checked	Approved
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Project GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK					
Title PROPOSED PASSING PLACE LOCATION 4					
Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK204	Rev.

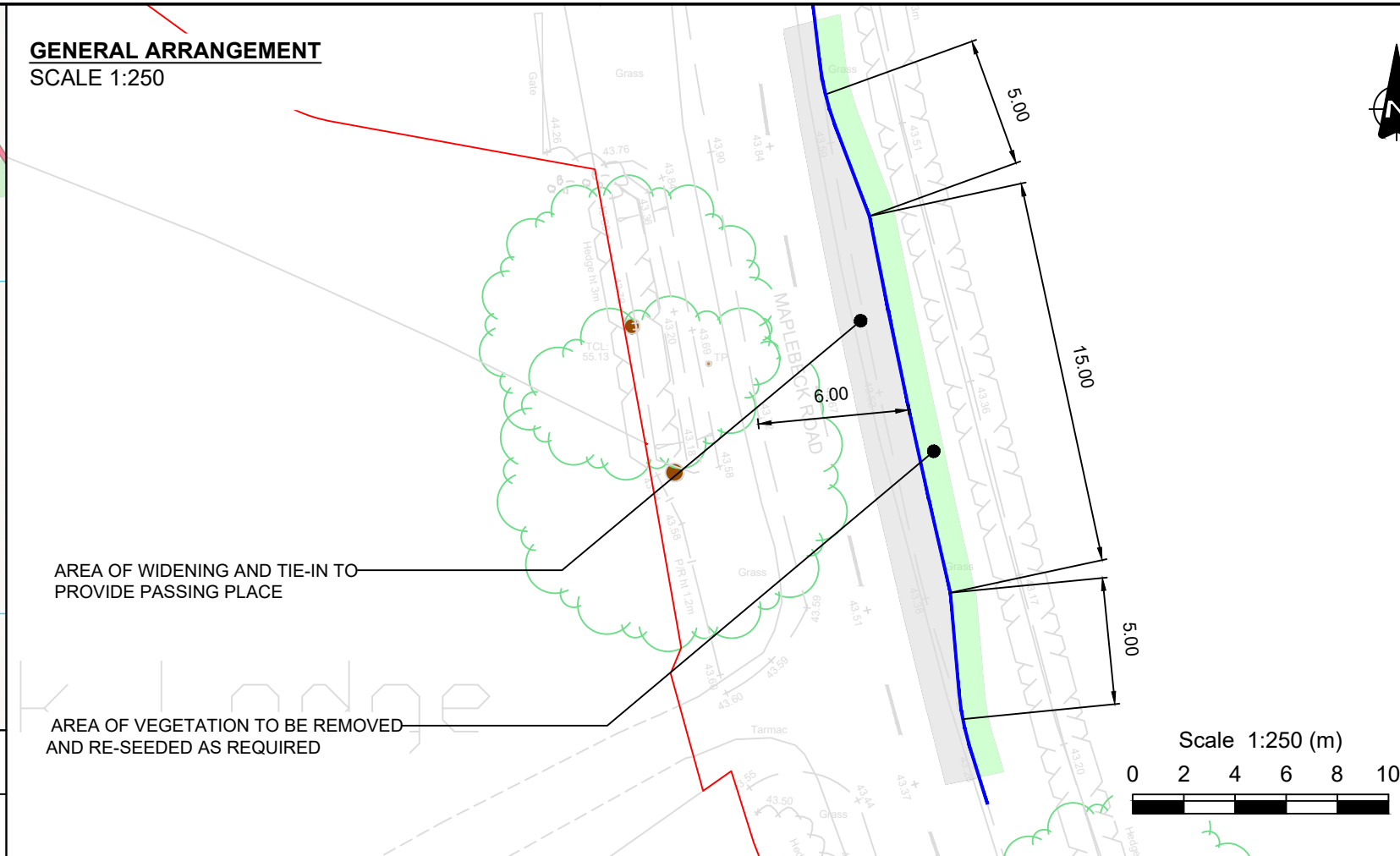
**LOCATION PLAN
(NOT TO SCALE)**



Easting	471389.00
Northing	360319.00

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**GENERAL ARRANGEMENT
SCALE 1:250**



NOTES

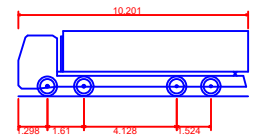
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3. This drawing is for planning purposes only.

KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

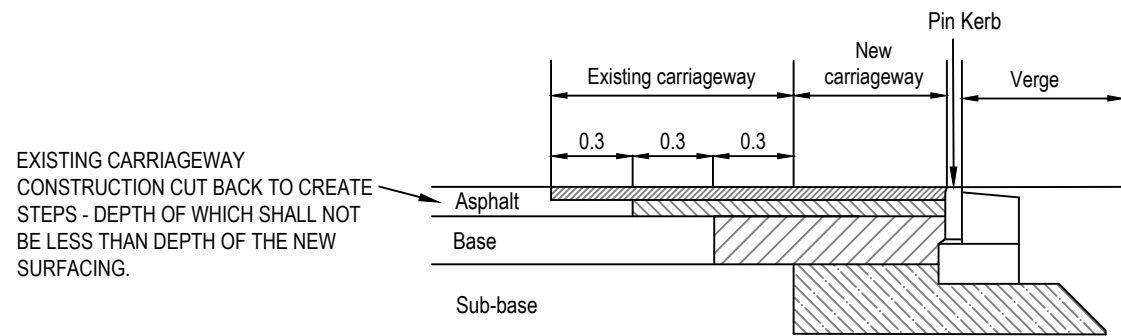
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VEHICLE USED FOR SWEEP PATH



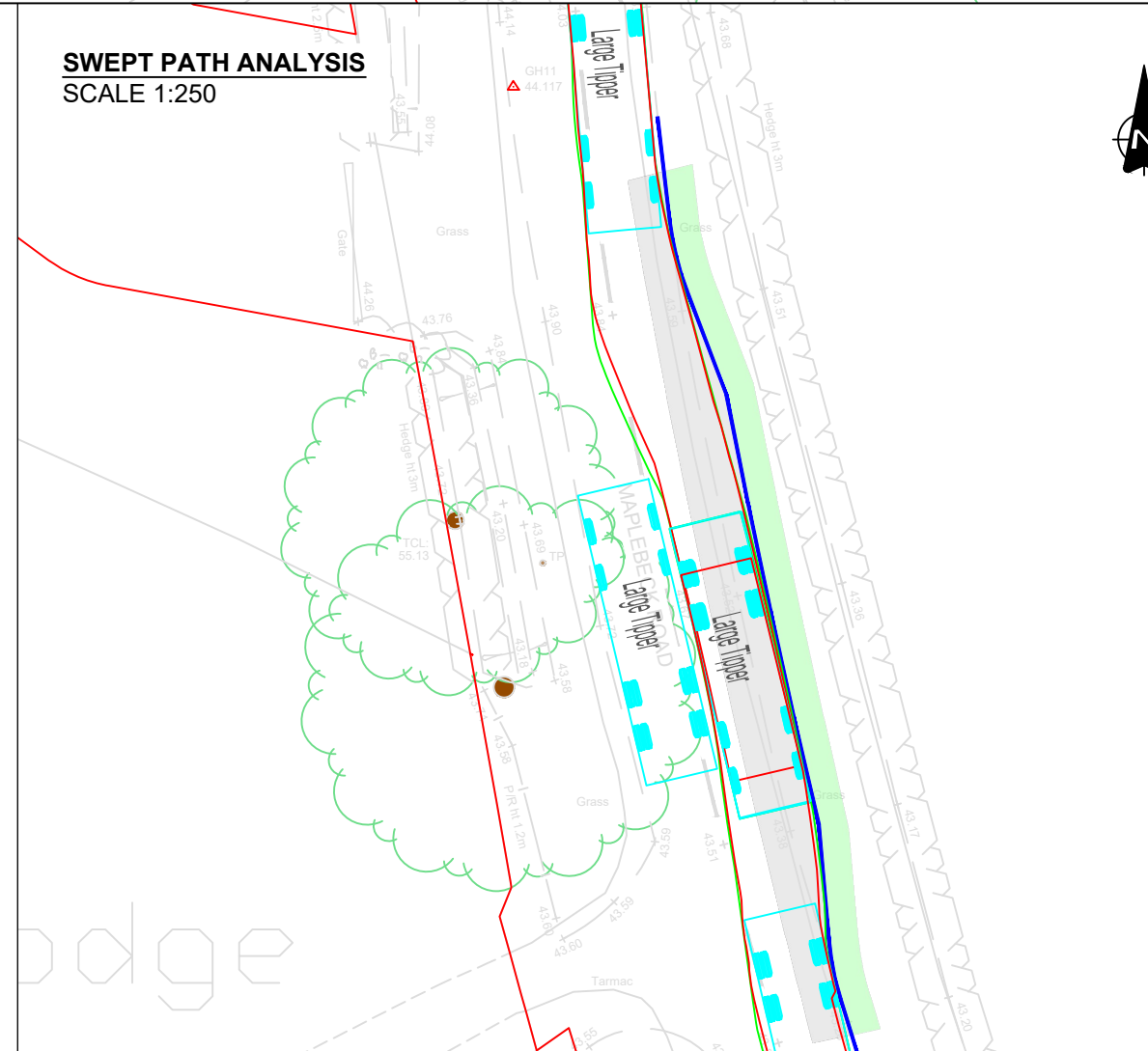
Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Overall Body Height	0.341m
Min Body Ground Clearance	2.471m
Track Width	6.00s
Lock to lock time	11.550m
Kerb to Kerb Turning Radius	

CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



EXISTING CARRIAGEWAY CONSTRUCTION CUT BACK TO CREATE STEPS - DEPTH OF WHICH SHALL NOT BE LESS THAN DEPTH OF THE NEW SURFACING.

**SWEEP PATH ANALYSIS
SCALE 1:250**



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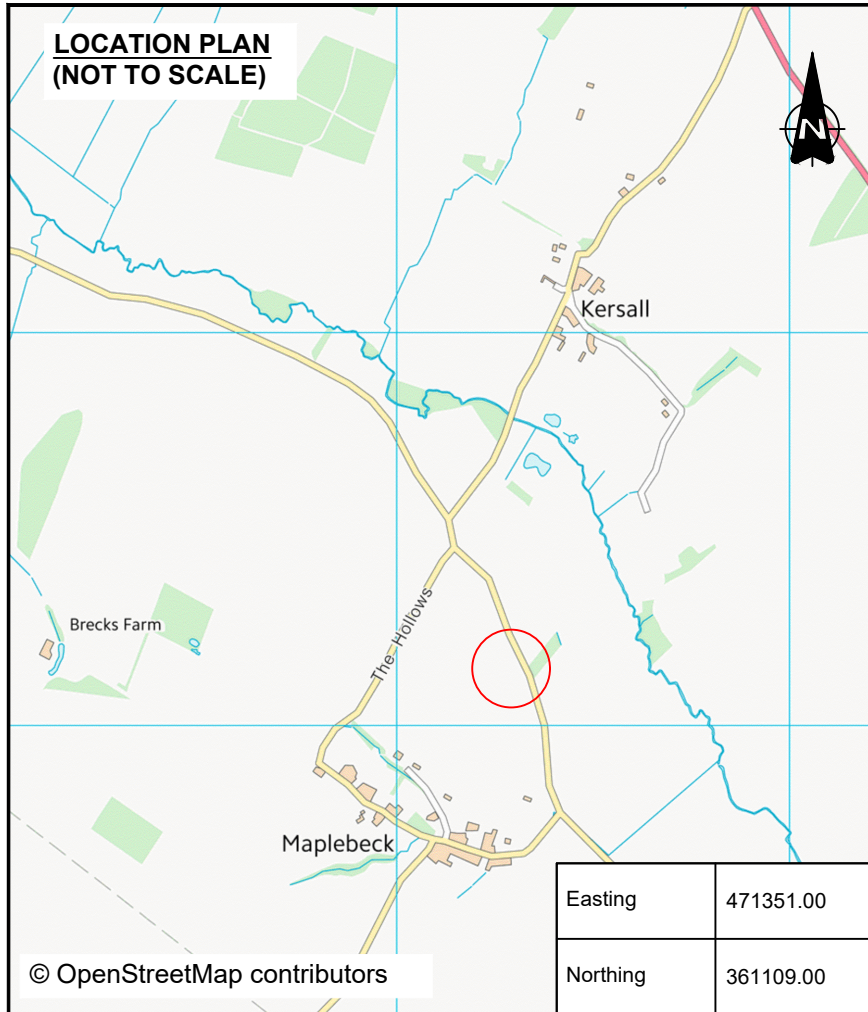
Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 5

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK205	Rev.	

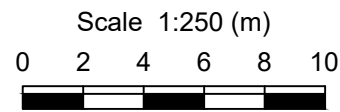
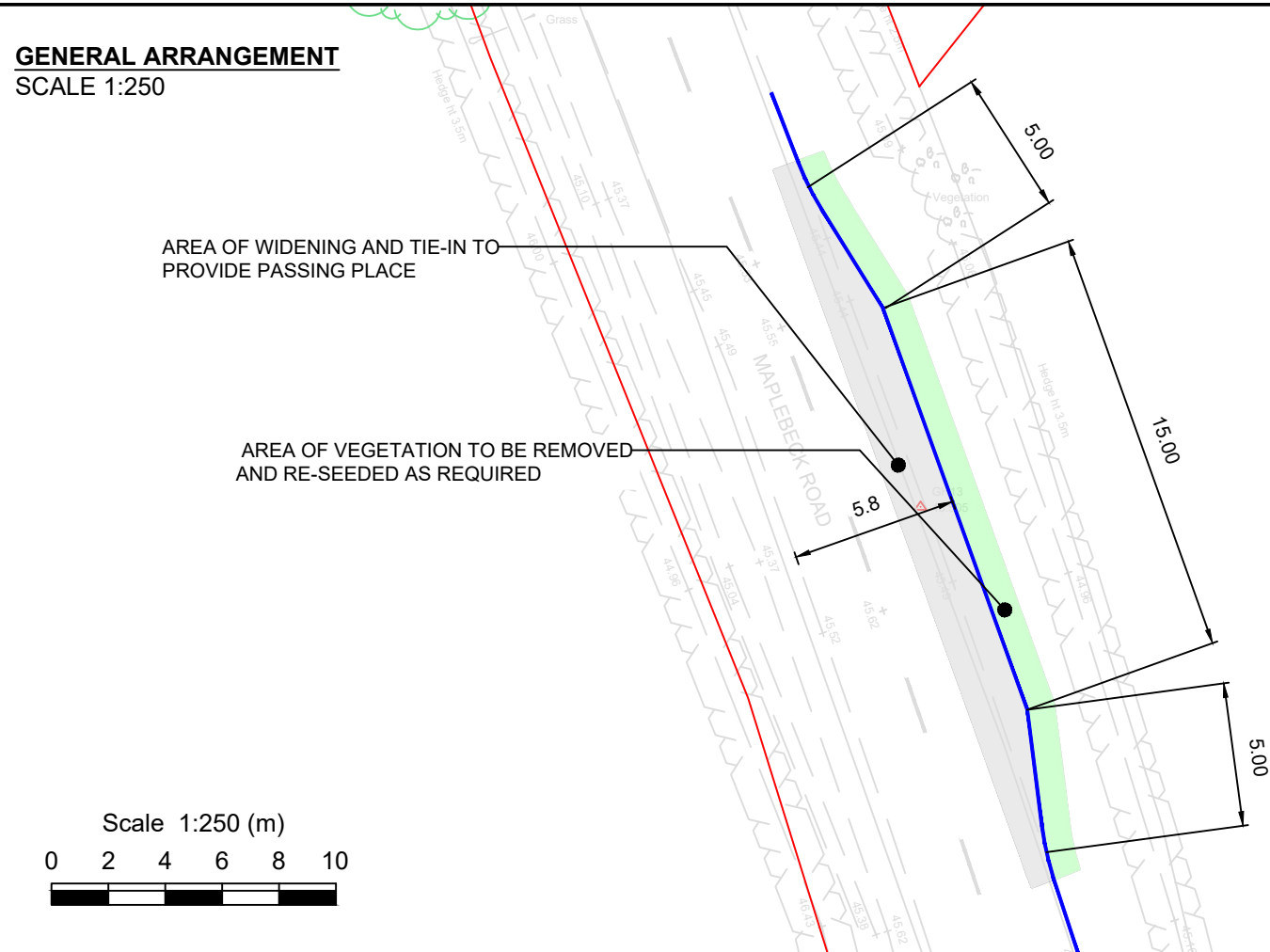
**LOCATION PLAN
(NOT TO SCALE)**



Easting	471351.00
Northing	361109.00

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**GENERAL ARRANGEMENT
SCALE 1:250**



NOTES

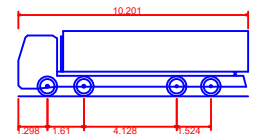
1. Do not scale from this drawing.
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3. This drawing is for planning purposes only.

KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

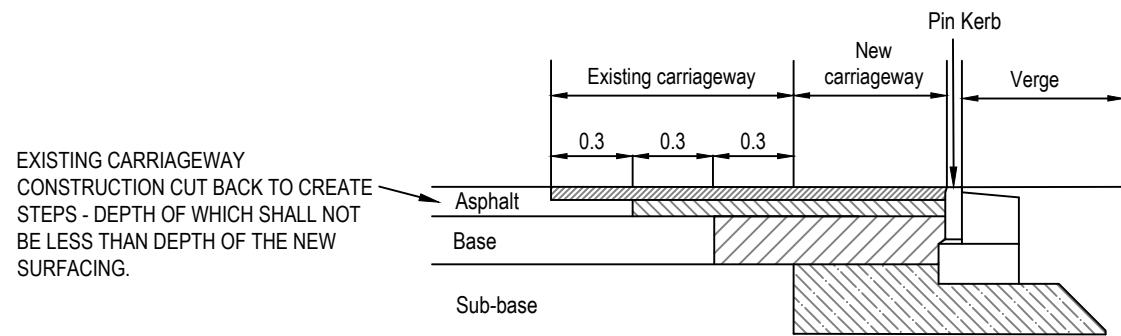
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VEHICLE USED FOR SWEEP PATH



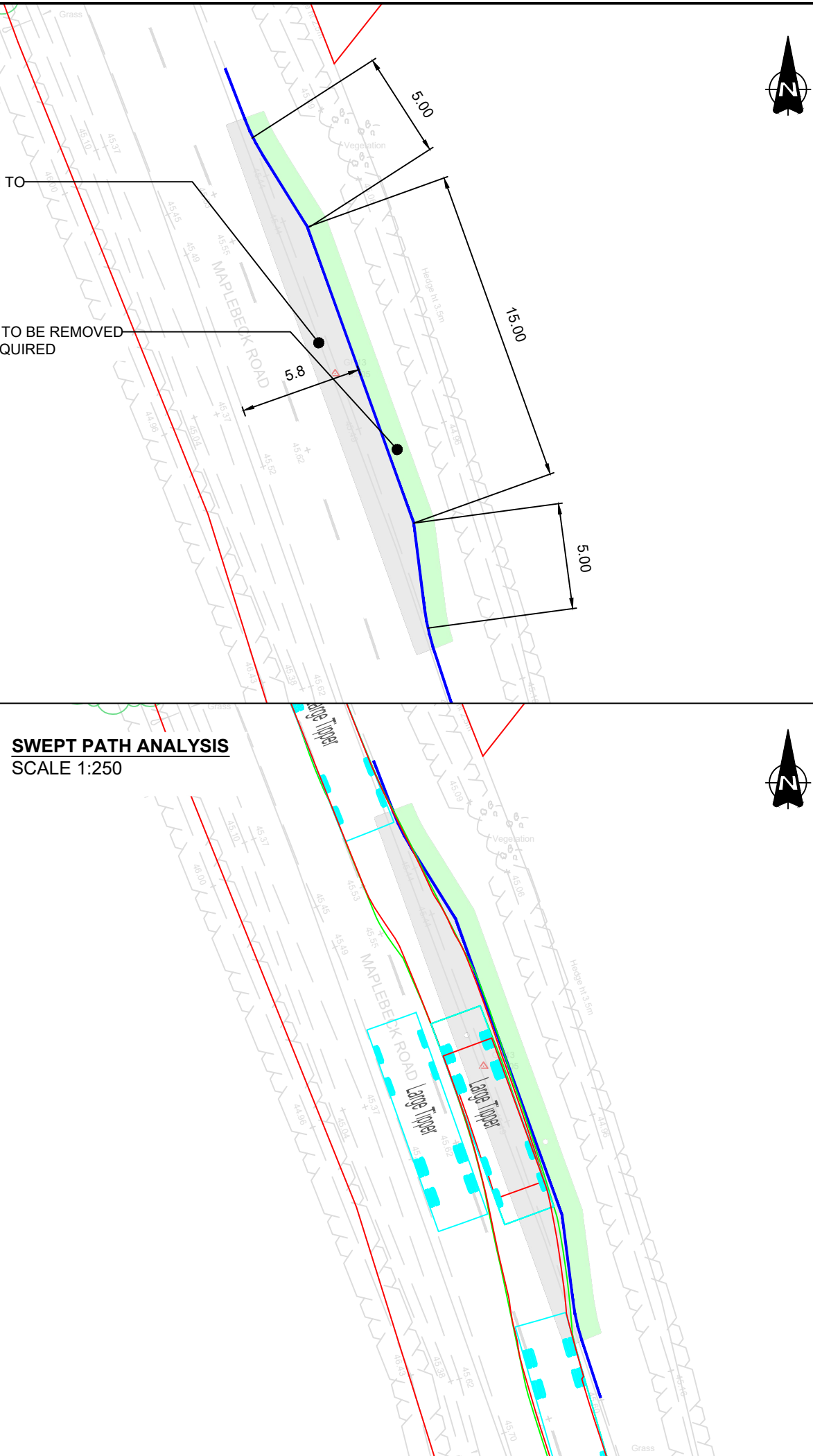
Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Overall Body Height	0.341m
Min Body Ground Clearance	2.471m
Track Width	6.00s
Lock to lock time	11.550m
Kerb to Kerb Turning Radius	

CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



EXISTING CARRIAGEWAY CONSTRUCTION CUT BACK TO CREATE STEPS - DEPTH OF WHICH SHALL NOT BE LESS THAN DEPTH OF THE NEW SURFACING.

**SWEPT PATH ANALYSIS
SCALE 1:250**



Rev.	Date	Revision details	Drawn	Checked	Approved

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NE1 1LE
T 0191 249 3816
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Client
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Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 6

Drawn
FW

Checked
JH

Approved
SE

Original dwg. size
A3

Date
21.05.25

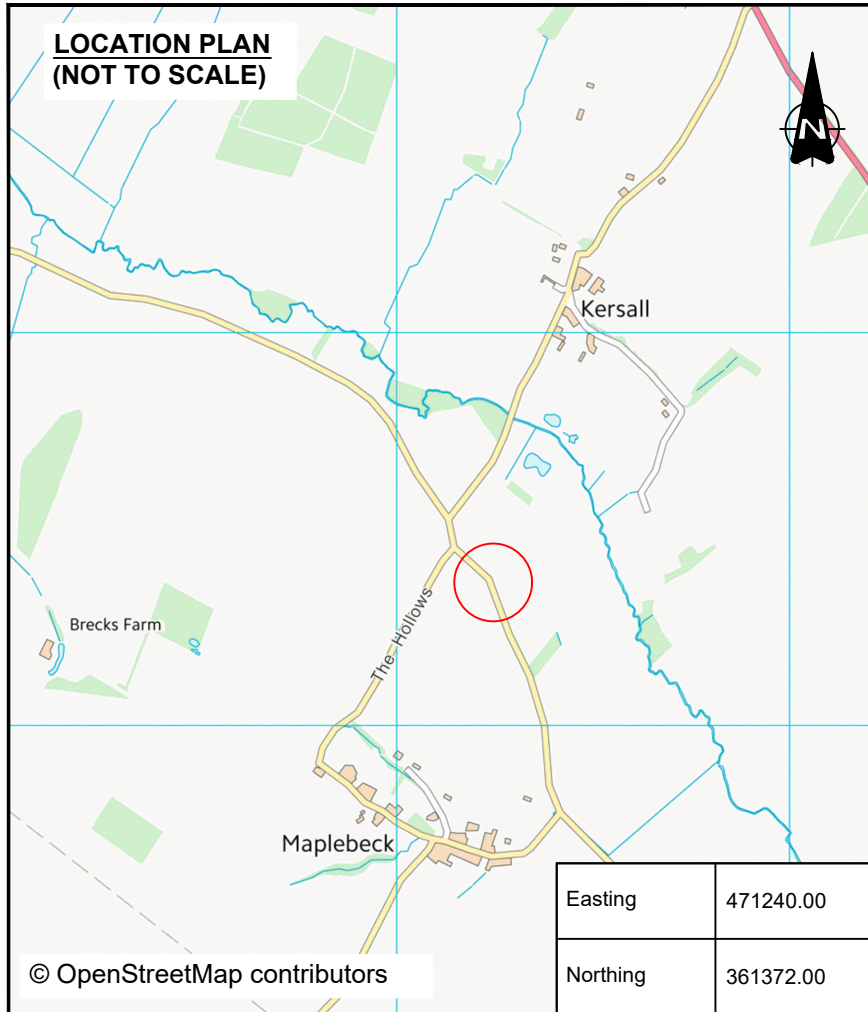
Scale
AS SHOWN

Drawing Status
INFORMATION

Drawing Number
23D07-SK206

Rev.

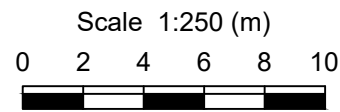
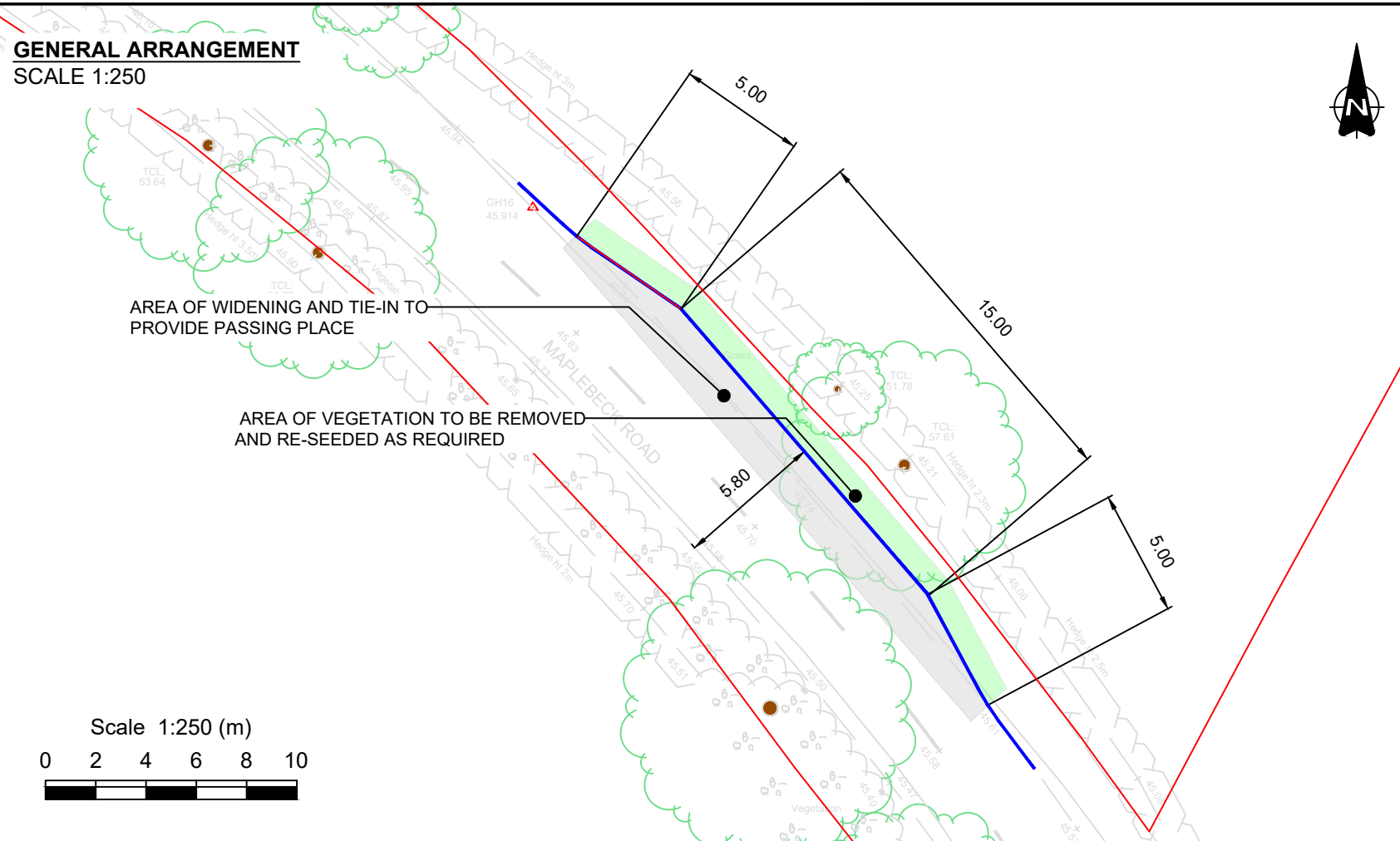
**LOCATION PLAN
(NOT TO SCALE)**



Easting	471240.00
Northing	361372.00

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**GENERAL ARRANGEMENT
SCALE 1:250**



NOTES

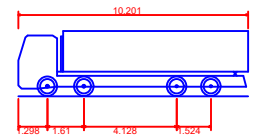
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3. This drawing is for planning purposes only.

KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

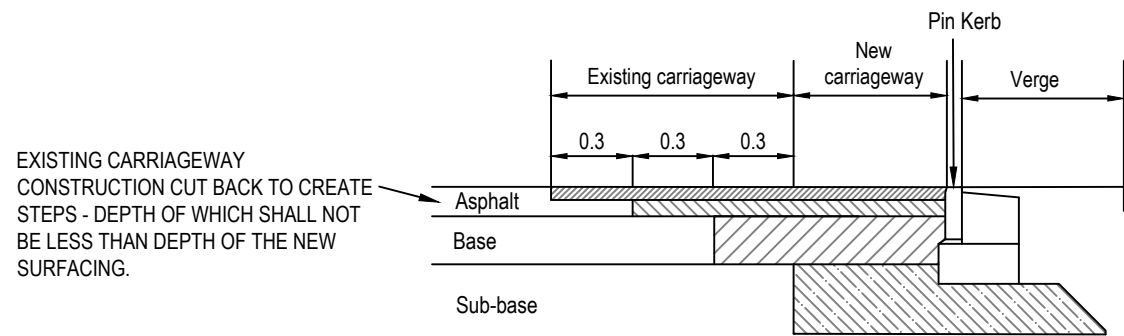
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VEHICLE USED FOR SWEEP PATH



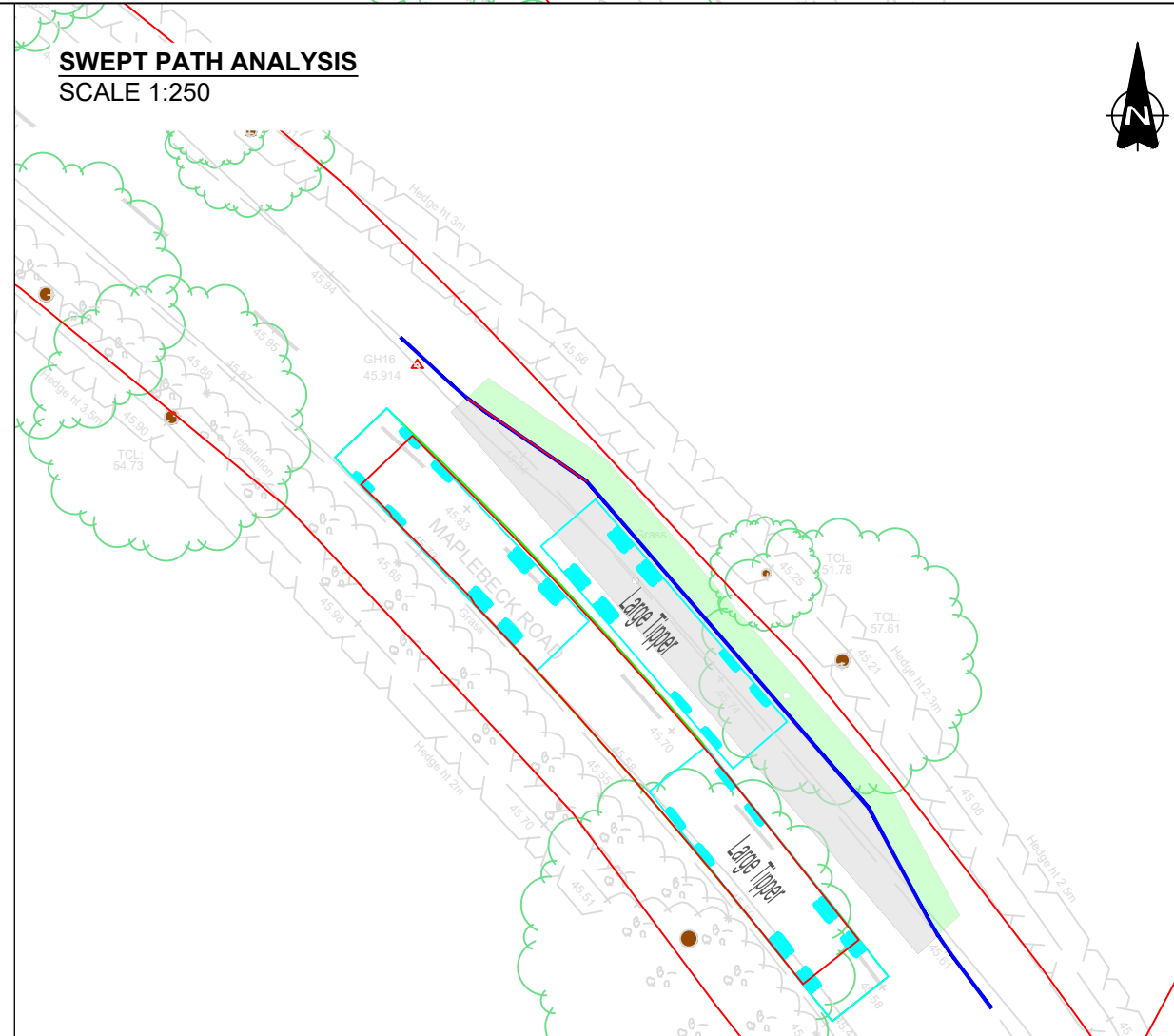
Large Tipper
 Overall Length 10.201m
 Overall Width 2.495m
 Overall Body Height 2.890m
 Min Body Ground Clearance 0.341m
 Track Width 2.471m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 11.550m

CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



EXISTING CARRIAGEWAY CONSTRUCTION CUT BACK TO CREATE STEPS - DEPTH OF WHICH SHALL NOT BE LESS THAN DEPTH OF THE NEW SURFACING.

**SWEPT PATH ANALYSIS
SCALE 1:250**



Rev	Date	Revision details	Drawn	Checked	Approved

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 T 0191 249 3816
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Client
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Project
 GREAT NORTH ROAD SOLAR FARM
 AND BIODIVERSITY PARK

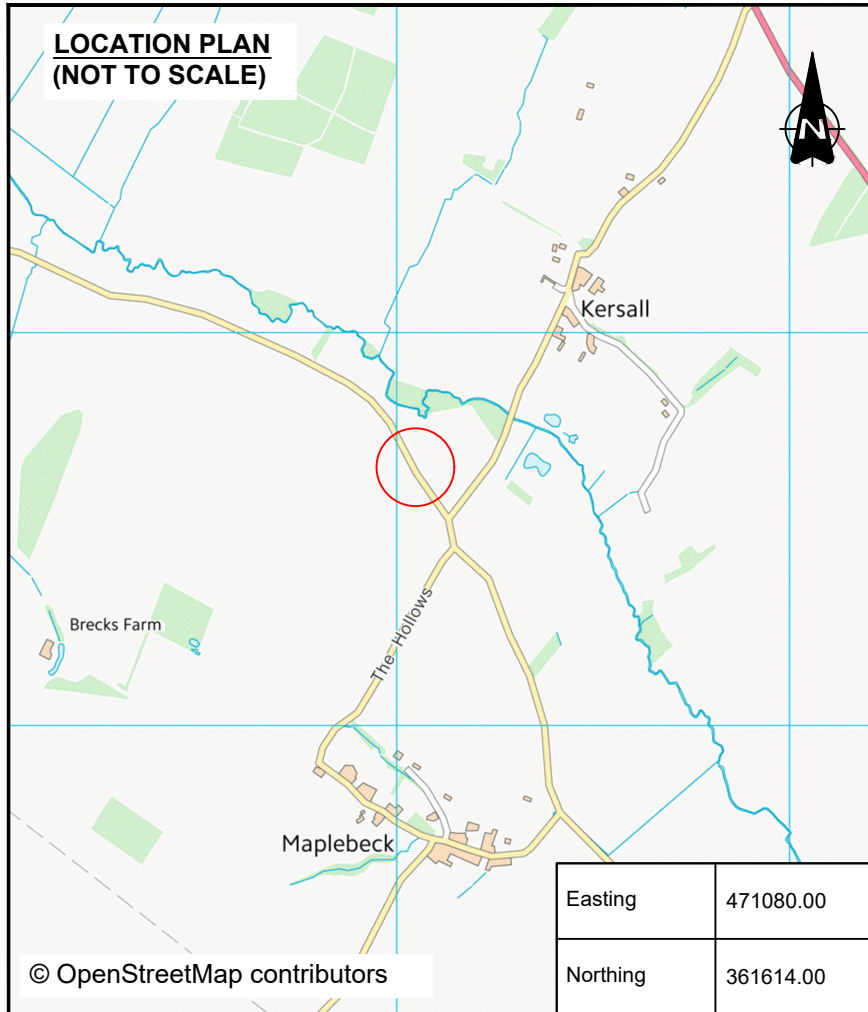
Title
 PROPOSED PASSING PLACE
 LOCATION 7

Drawn
 FW
 Original dwg. size
 A3
 Date
 21.05.25
 Scale
 AS SHOWN

Checked
 JH
 Approved
 SE

Drawing Status
 INFORMATION
 Drawing Number
 23D07-SK207
 Rev.

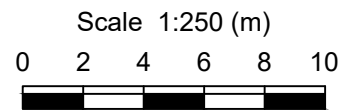
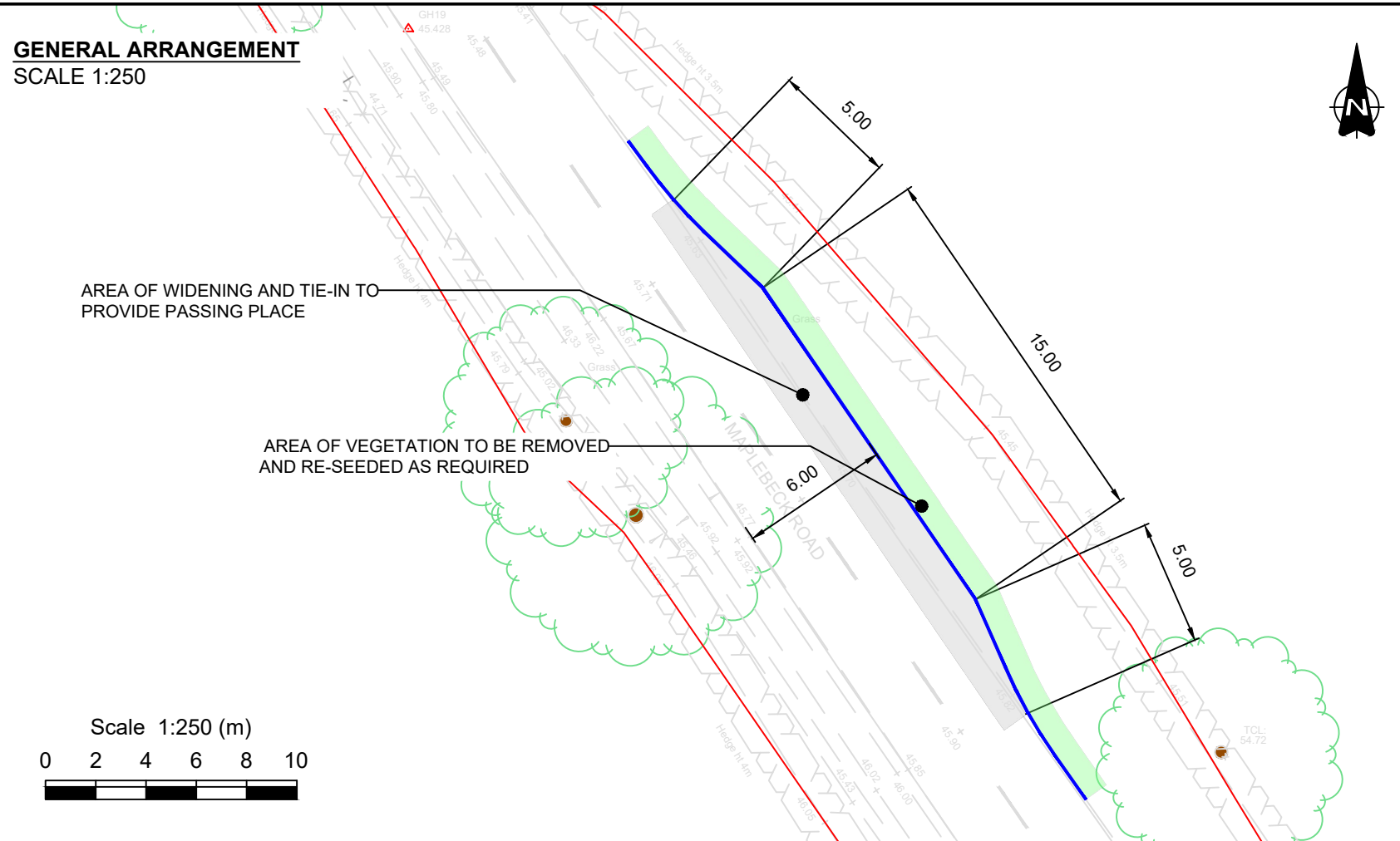
**LOCATION PLAN
(NOT TO SCALE)**



Easting	471080.00
Northing	361614.00

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**GENERAL ARRANGEMENT
SCALE 1:250**



NOTES

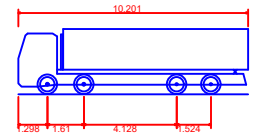
1. Do not scale from this drawing.
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3. This drawing is for planning purposes only.

KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

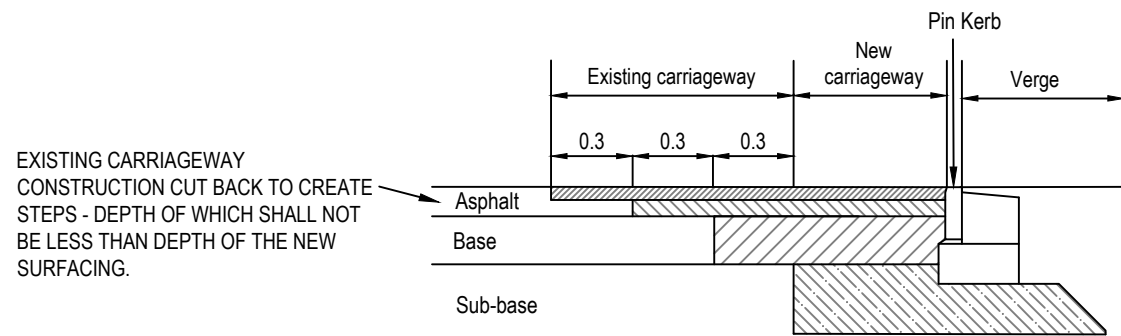
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VEHICLE USED FOR SWEEP PATH



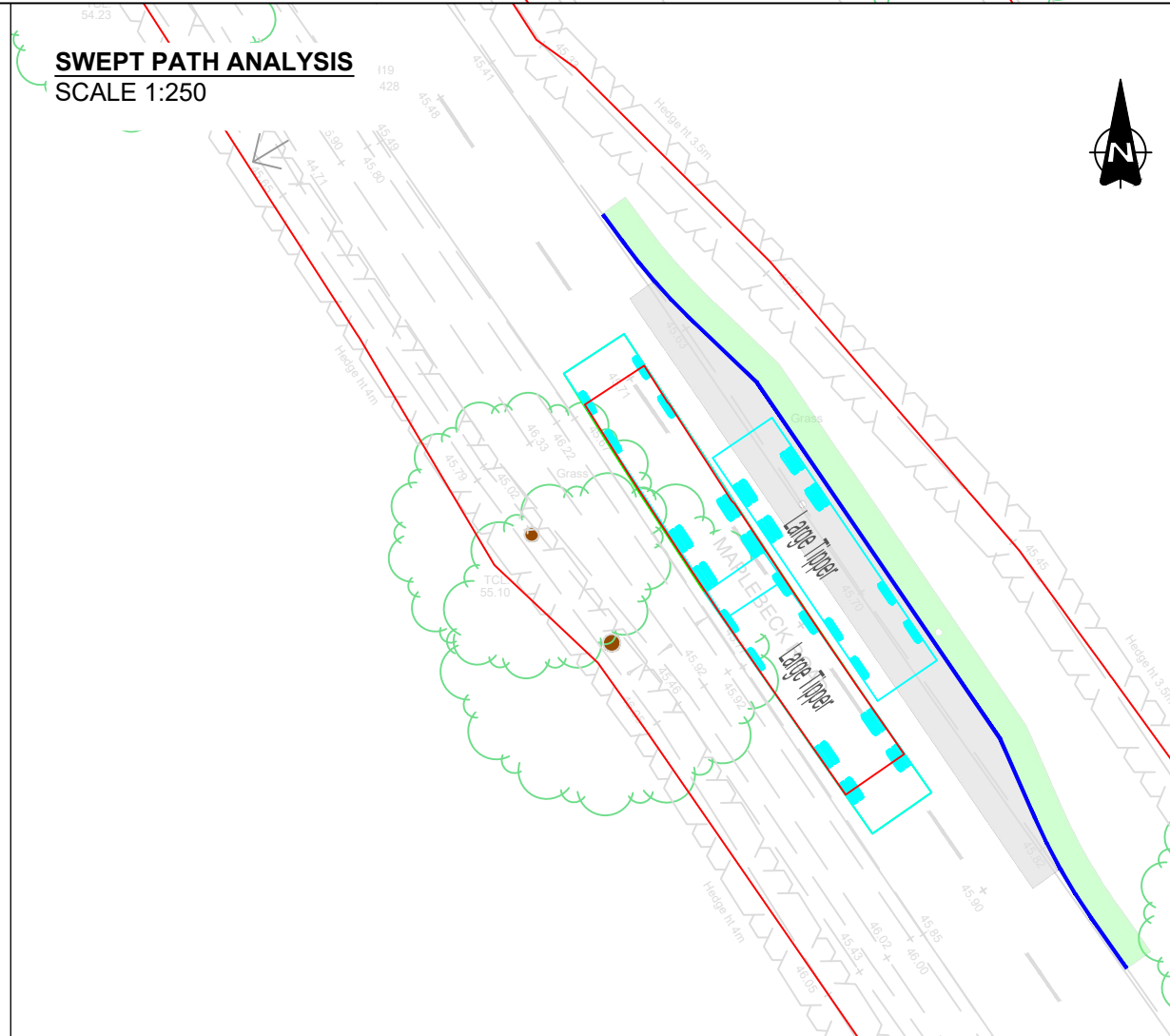
Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Overall Body Height	0.341m
Min Body Ground Clearance	2.471m
Track Width	6.00s
Lock to lock time	11.550m
Kerb to Kerb Turning Radius	

CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



EXISTING CARRIAGEWAY CONSTRUCTION CUT BACK TO CREATE STEPS - DEPTH OF WHICH SHALL NOT BE LESS THAN DEPTH OF THE NEW SURFACING.

**SWEPT PATH ANALYSIS
SCALE 1:250**



Rev	Date	Revision details	Drawn	Checked	Approved

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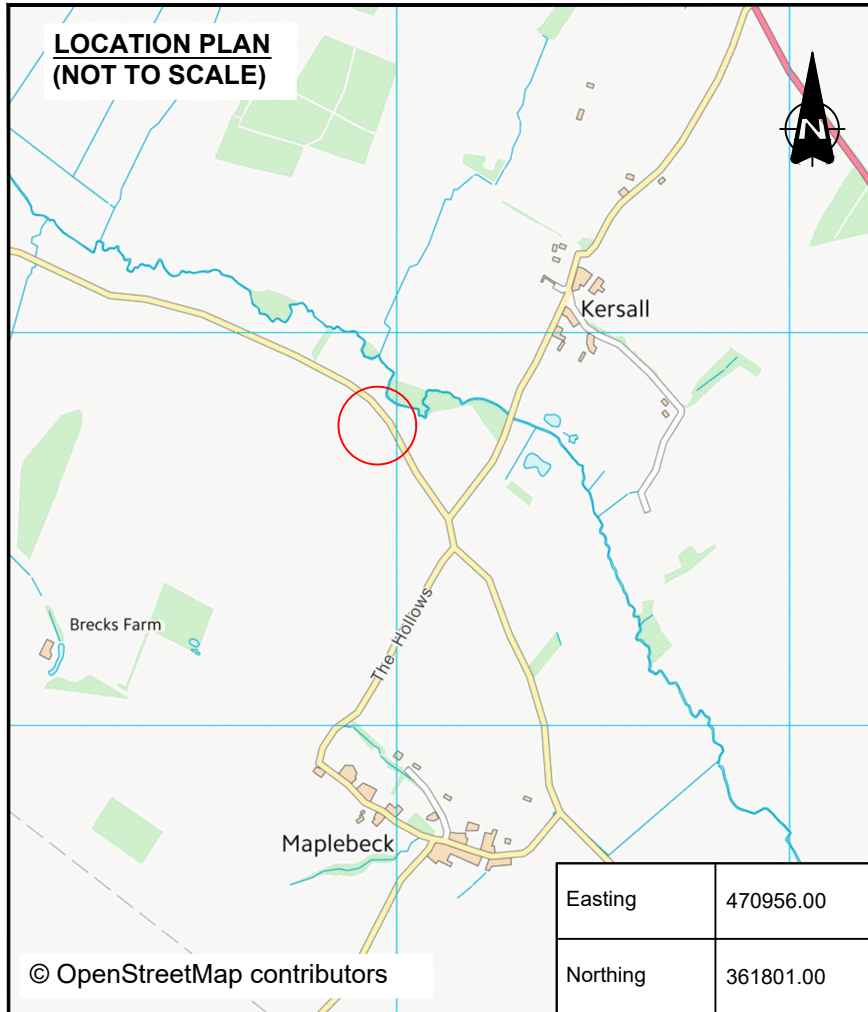
Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 8

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK208	Rev.	

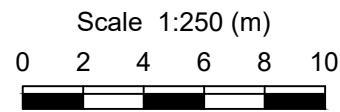
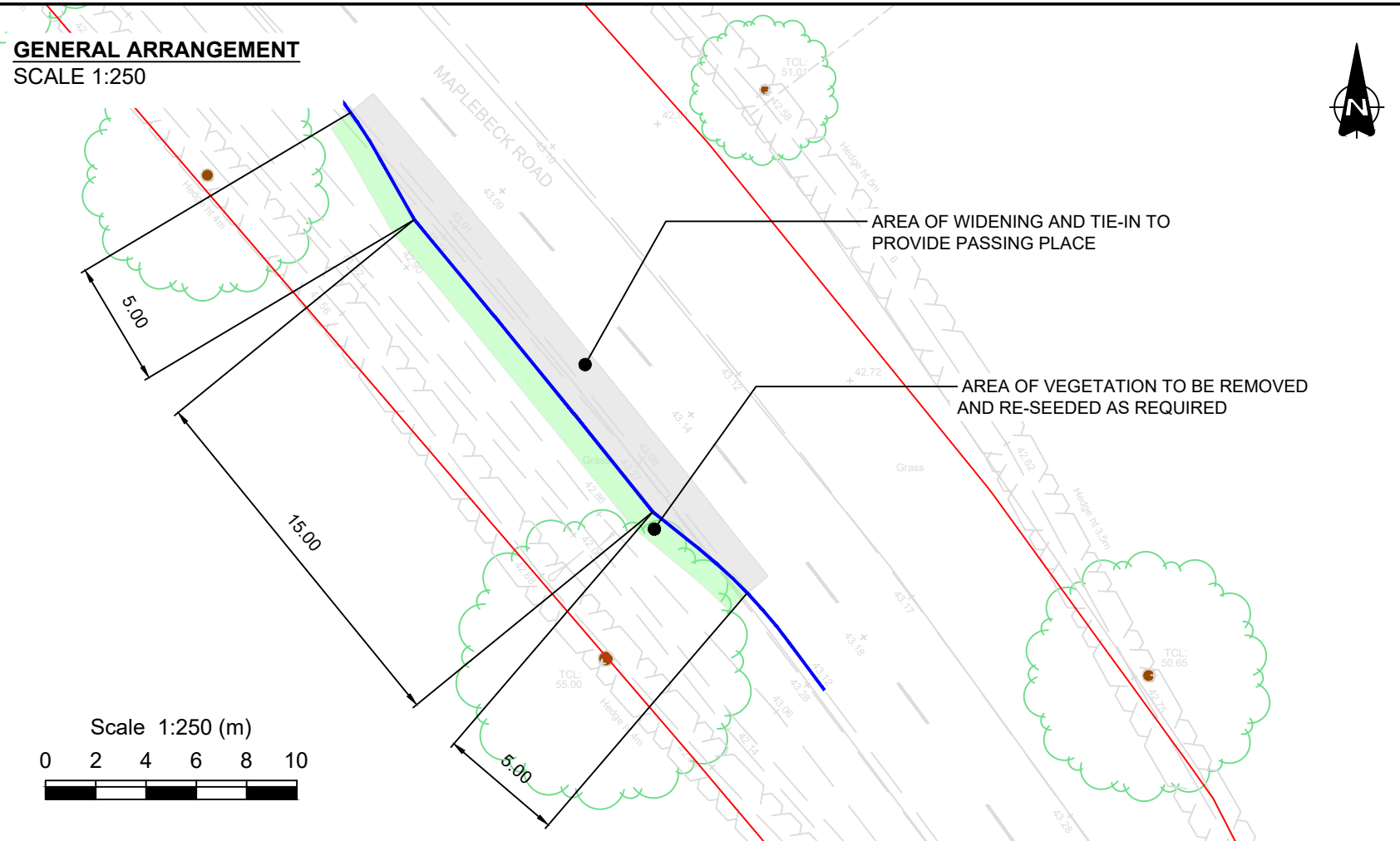
**LOCATION PLAN
(NOT TO SCALE)**



Easting	470956.00
Northing	361801.00

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**GENERAL ARRANGEMENT
SCALE 1:250**



NOTES

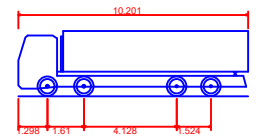
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3. This drawing is for planning purposes only.

KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

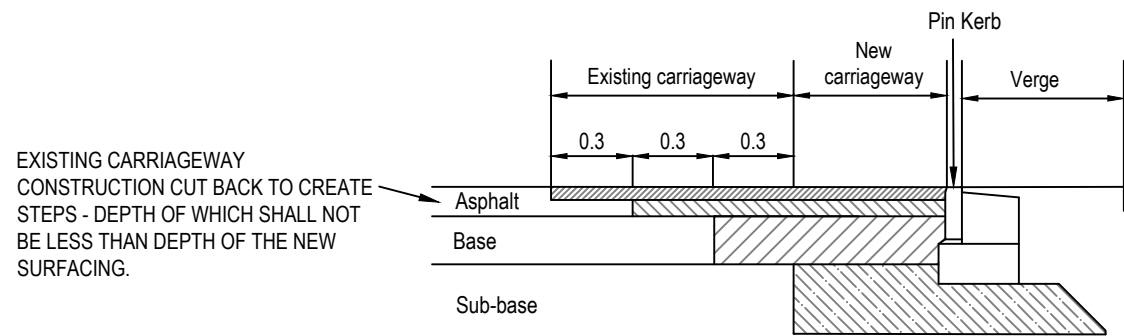
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VEHICLE USED FOR SWEEP PATH



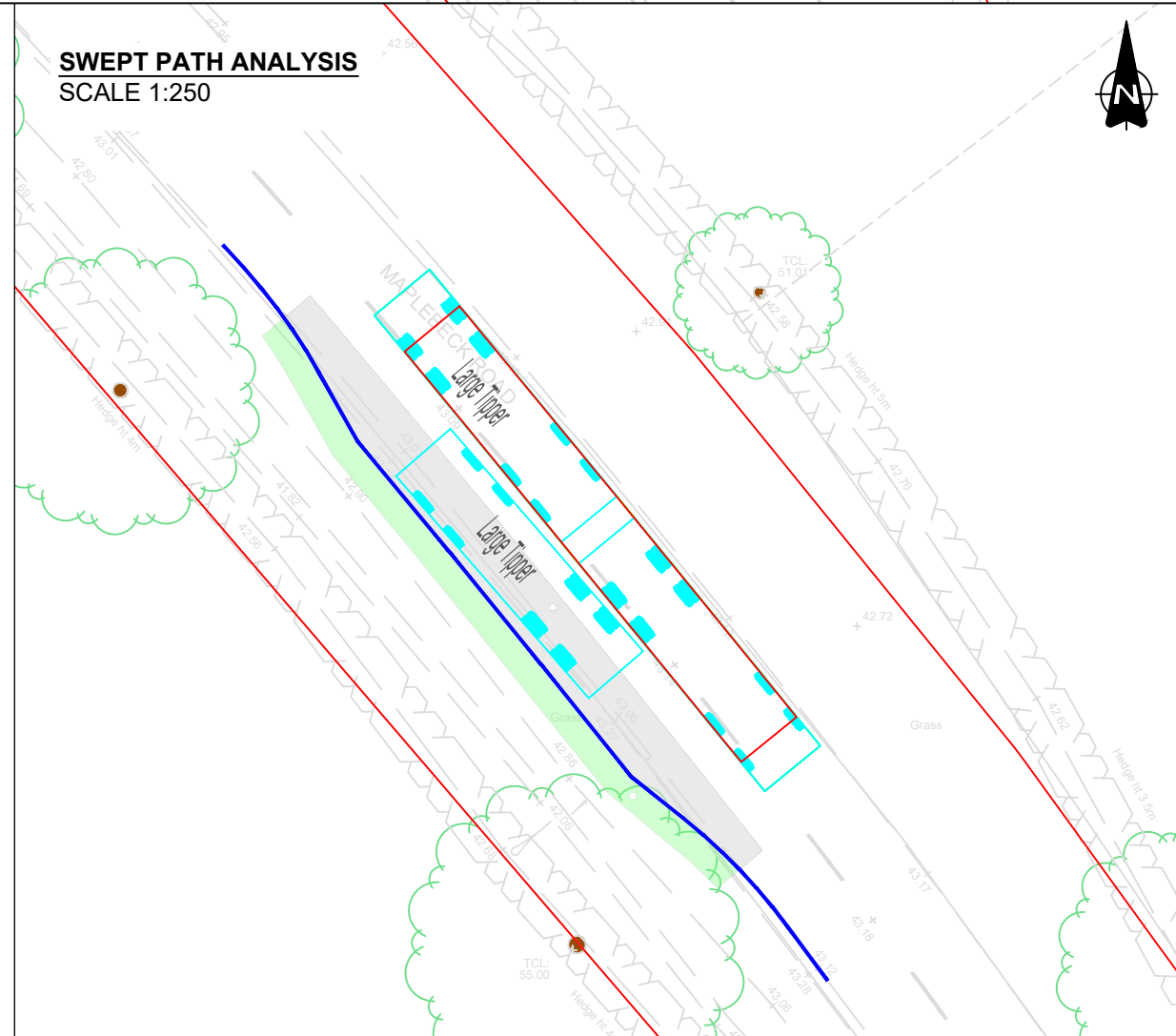
Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Overall Body Height	0.341m
Min Body Ground Clearance	2.471m
Track Width	6.00s
Lock to lock time	11.550m
Kerb to Kerb Turning Radius	

CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



EXISTING CARRIAGEWAY CONSTRUCTION CUT BACK TO CREATE STEPS - DEPTH OF WHICH SHALL NOT BE LESS THAN DEPTH OF THE NEW SURFACING.

**SWEEP PATH ANALYSIS
SCALE 1:250**



Rev	Date	Revision details	Drawn	Checked	Approved

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T 0191 249 3816
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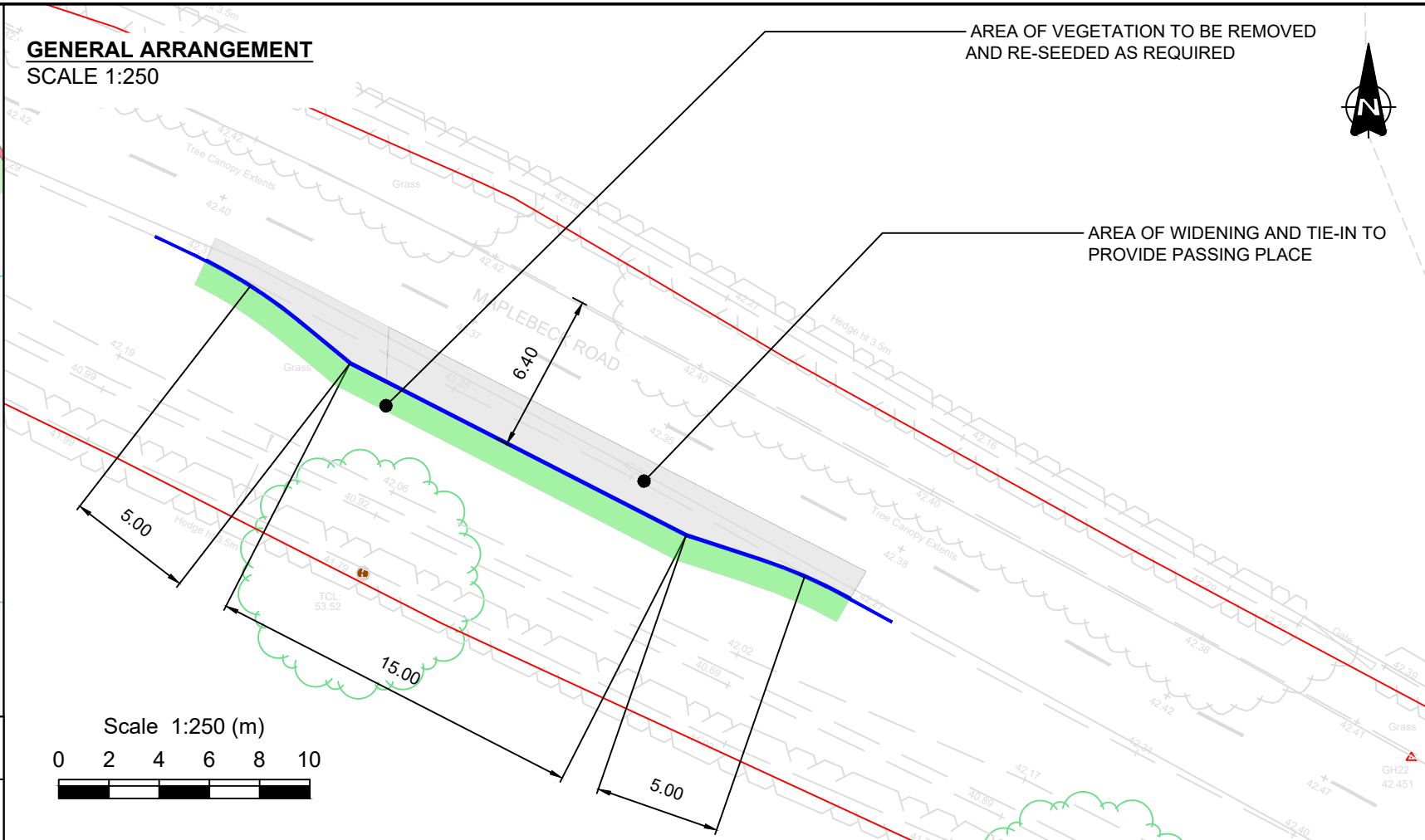
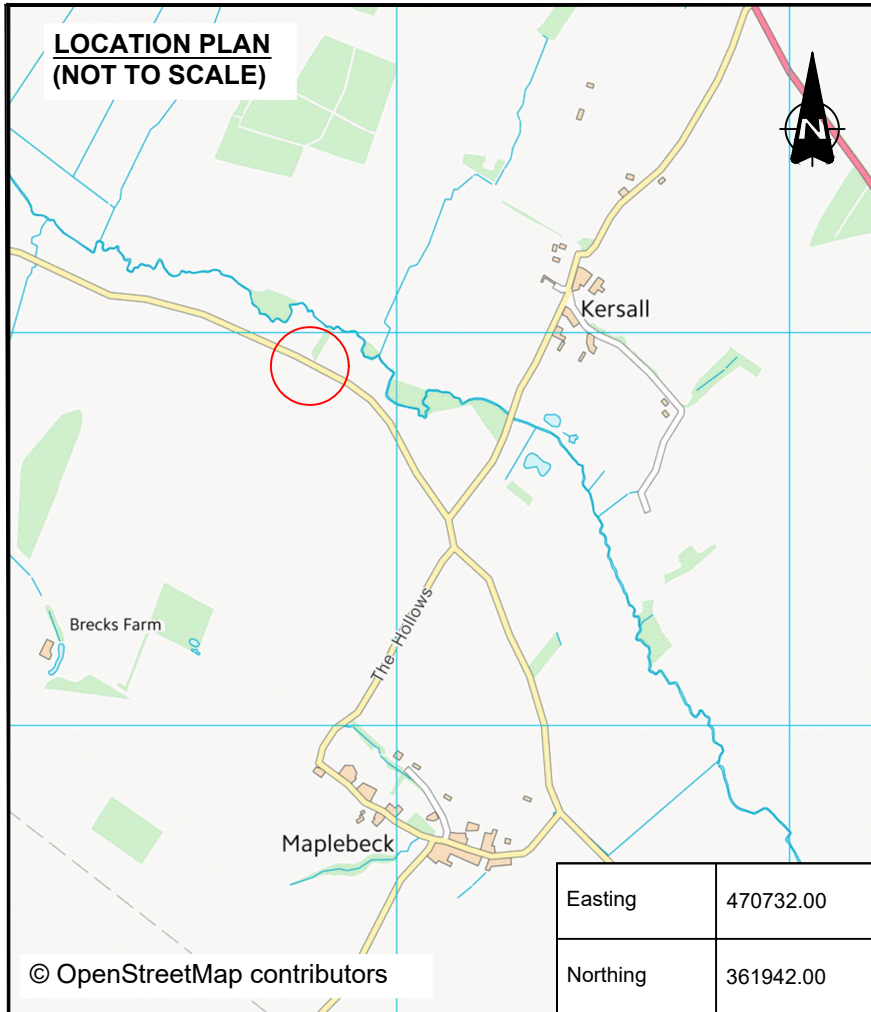
Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 09

Drawn
FW Checked
JH Approved
SE

Original dwg. size
A3 Date
21.05.25 Scale
AS SHOWN

Drawing Status
INFORMATION Drawing Number
23D07-SK209 Rev.



NOTES

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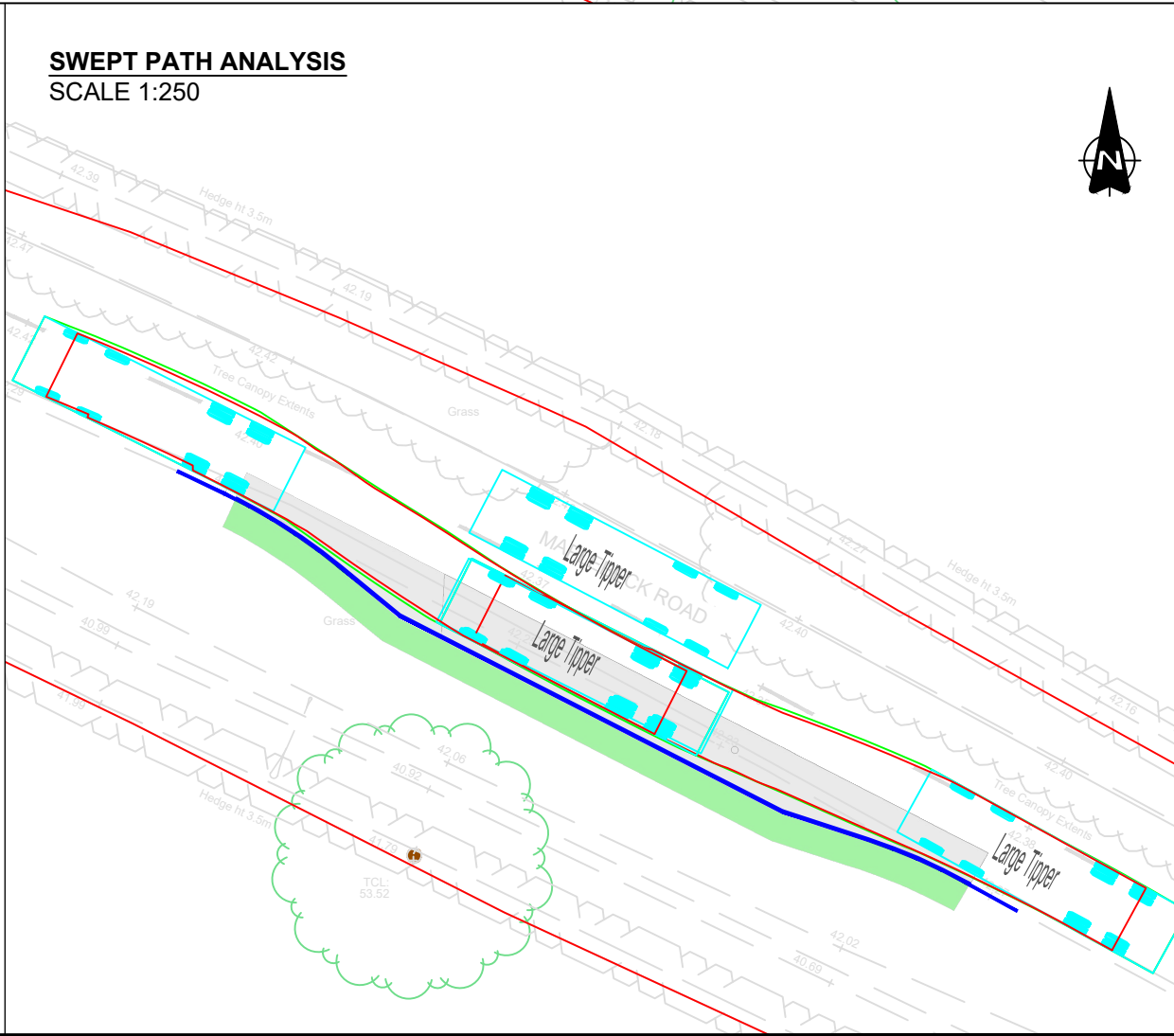
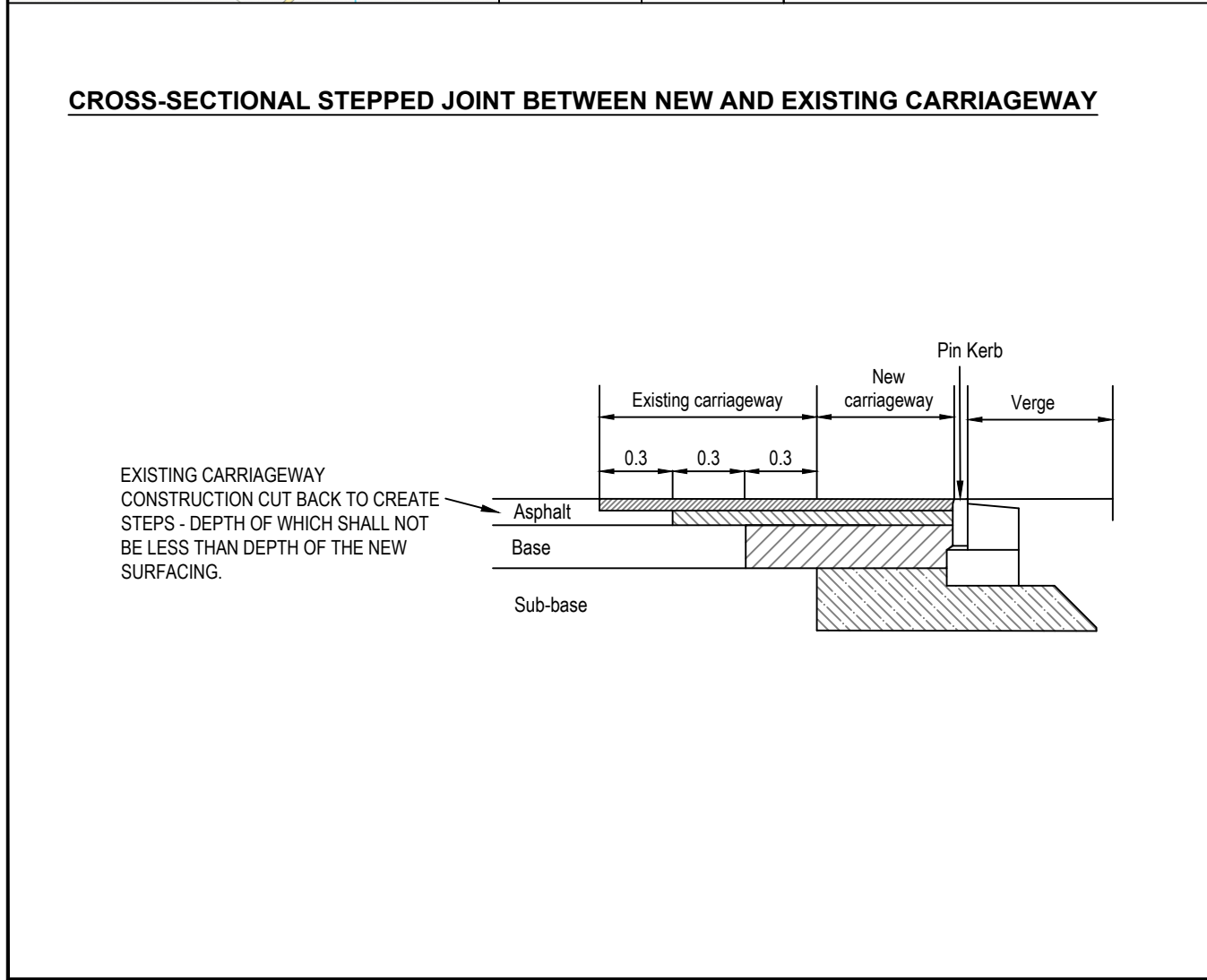
KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

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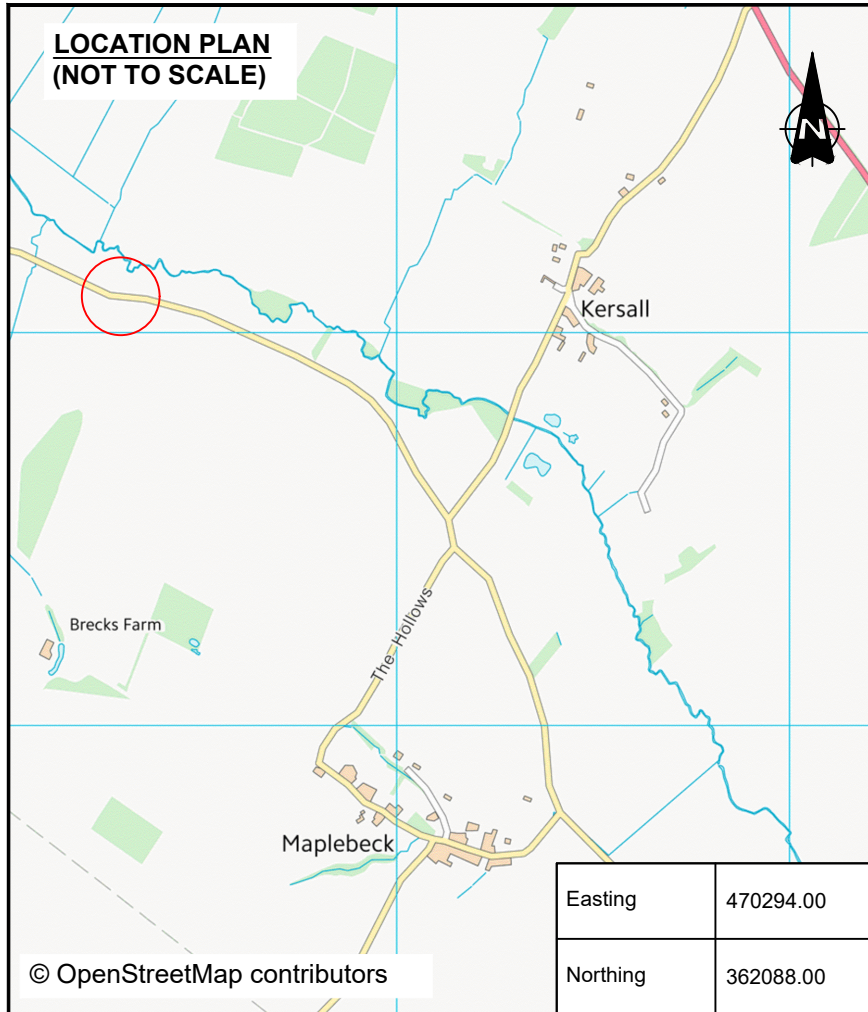
VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



Rev	Date	Revision details	Drawn	Checked	Approved
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ELEMENTS GREEN TRENT LTD.					
Project					
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK					
Title					
PROPOSED PASSING PLACE LOCATION 10					
Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK210	

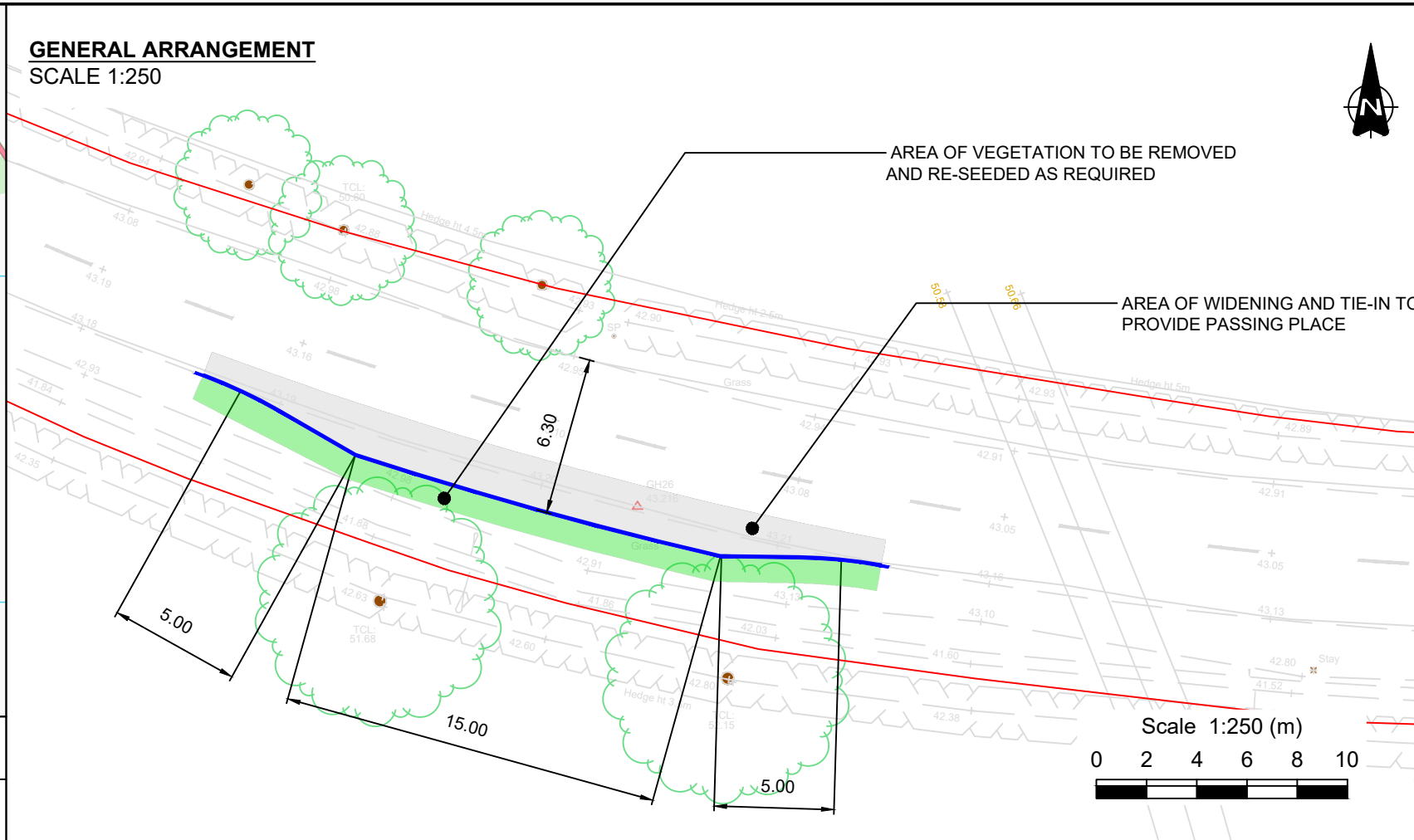
**LOCATION PLAN
(NOT TO SCALE)**



Easting	470294.00
Northing	362088.00

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**GENERAL ARRANGEMENT
SCALE 1:250**



NOTES

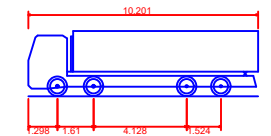
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2. All dimensions are in metres unless otherwise stated.
3. This drawing is for planning purposes only.

KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

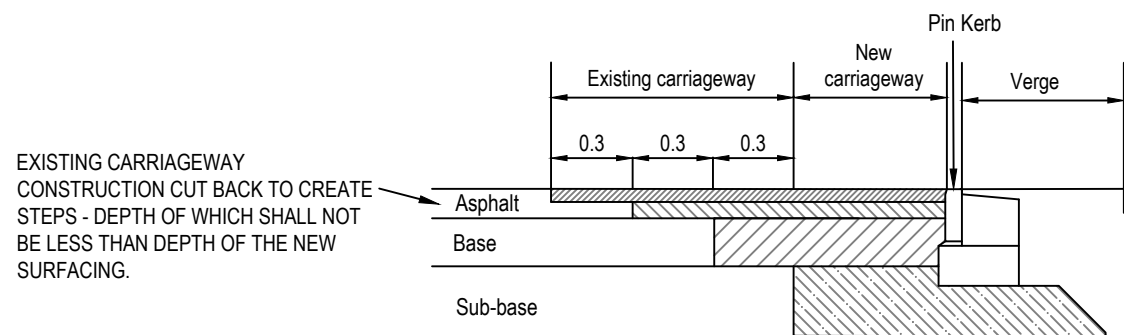
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VEHICLE USED FOR SWEEP PATH



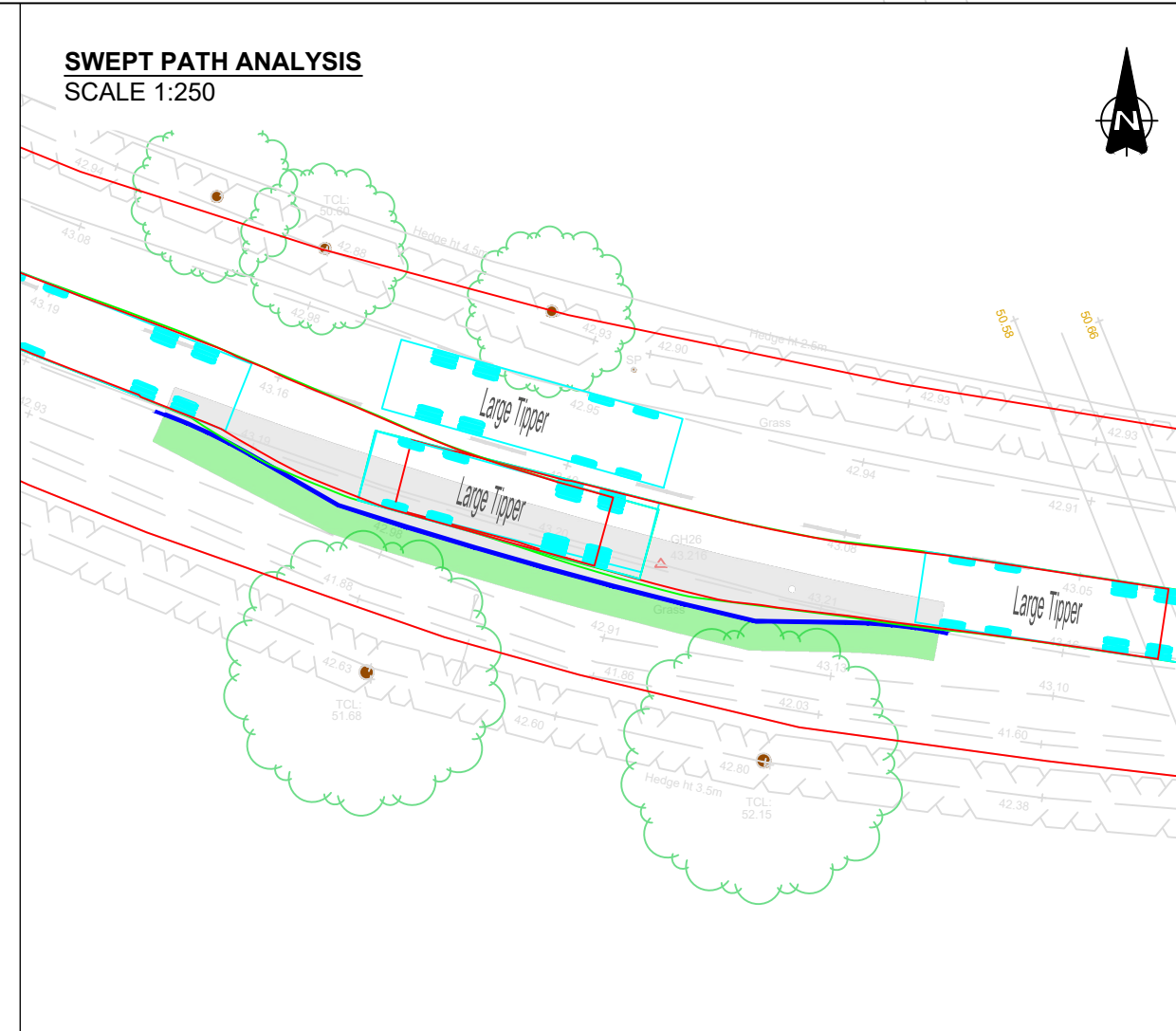
Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Overall Body Height	0.341m
Min Body Ground Clearance	2.471m
Track Width	6.00s
Lock to lock time	11.550m
Kerb to Kerb Turning Radius	

CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



EXISTING CARRIAGEWAY CONSTRUCTION CUT BACK TO CREATE STEPS - DEPTH OF WHICH SHALL NOT BE LESS THAN DEPTH OF THE NEW SURFACING.

**SWEPT PATH ANALYSIS
SCALE 1:250**



Rev	Date	Revision details	Drawn	Checked	Approved

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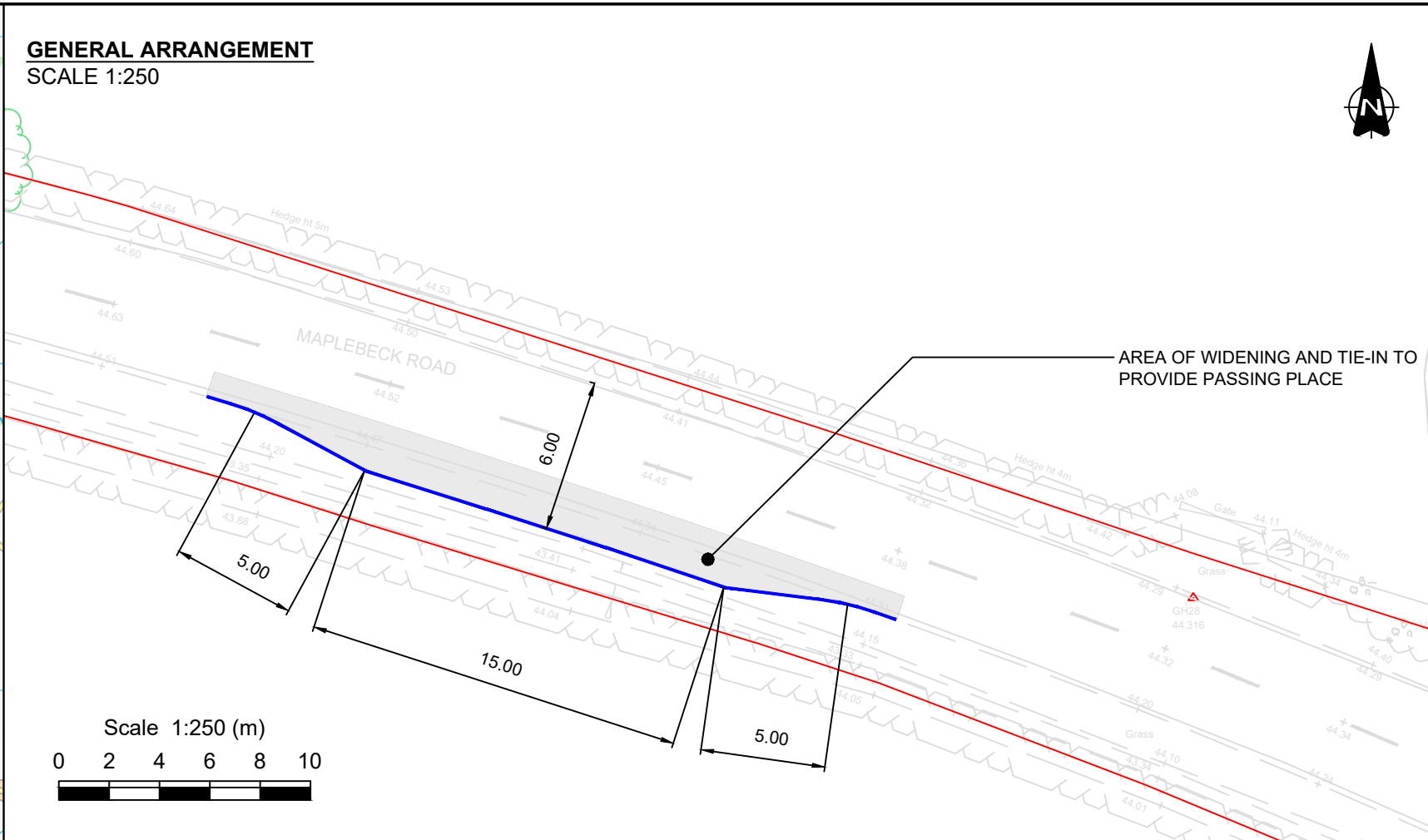
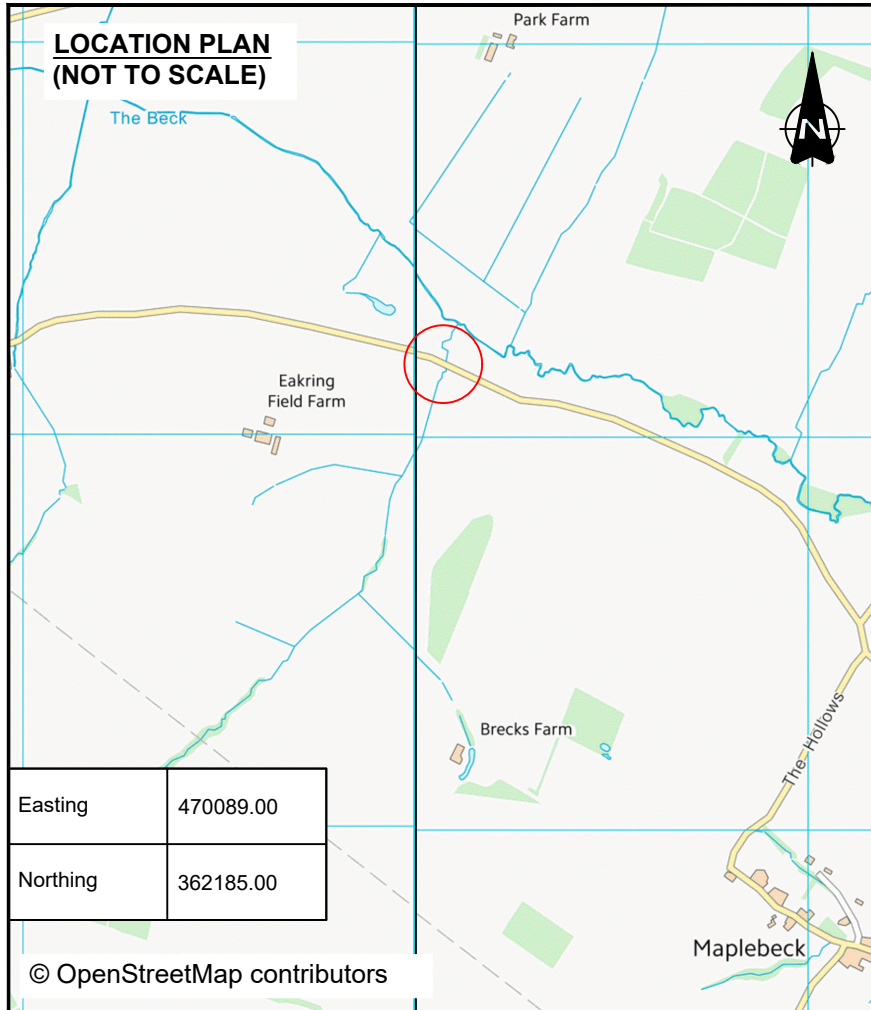
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NE1 1LE
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Client
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Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 11

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK211	Rev.



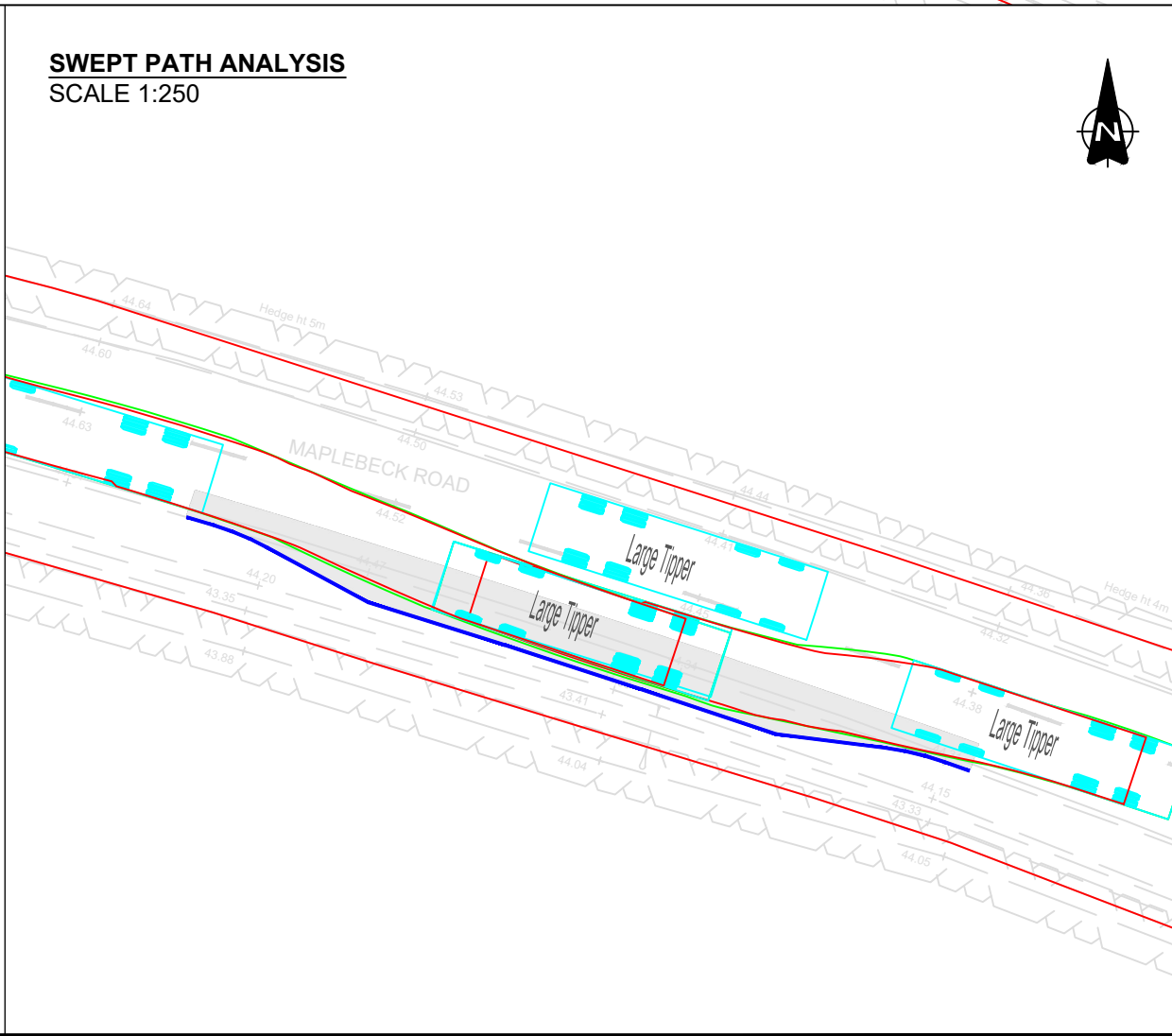
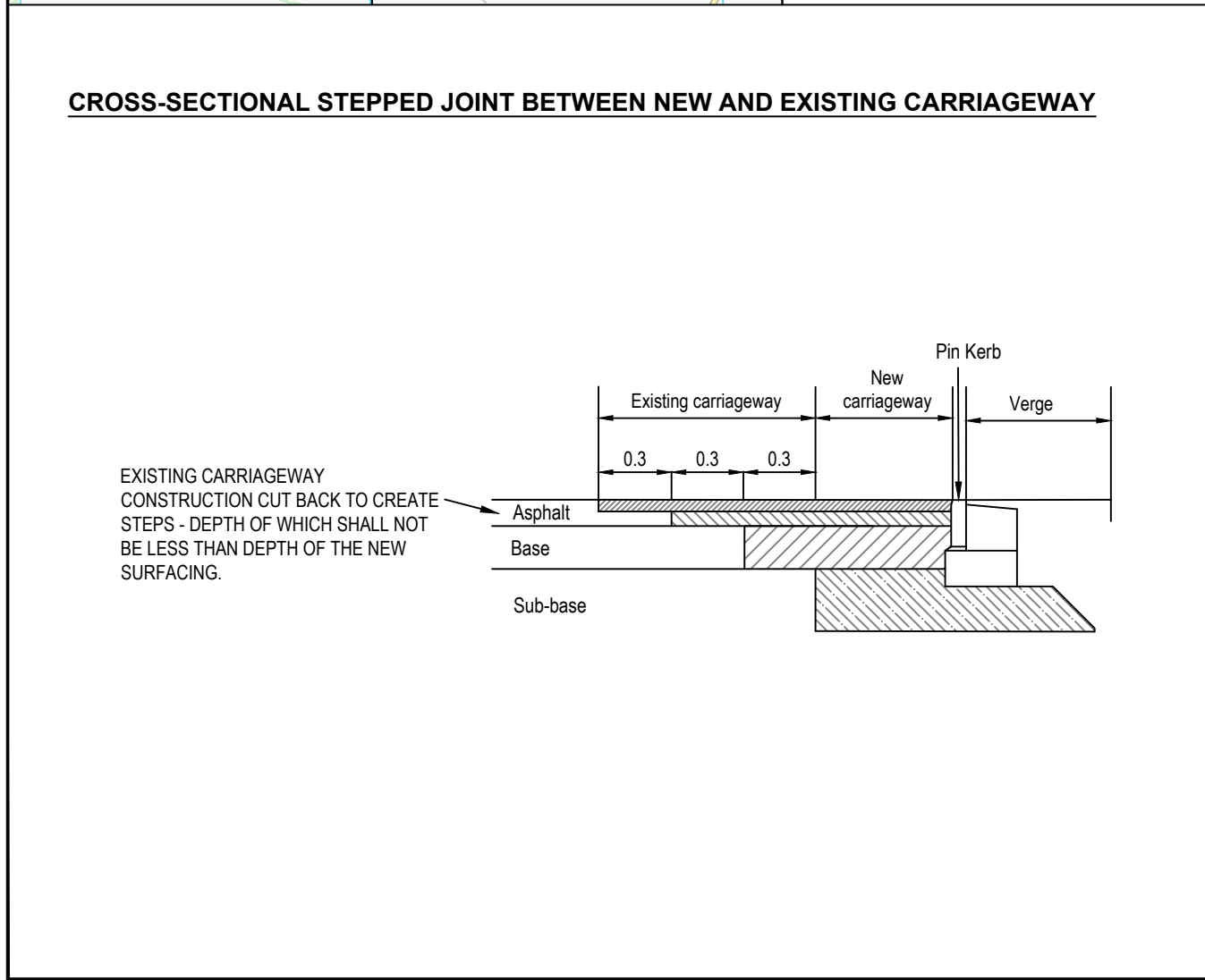
NOTES

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KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits

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VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m

Rev	Date	Revision details	Drawn	Checked	Approved

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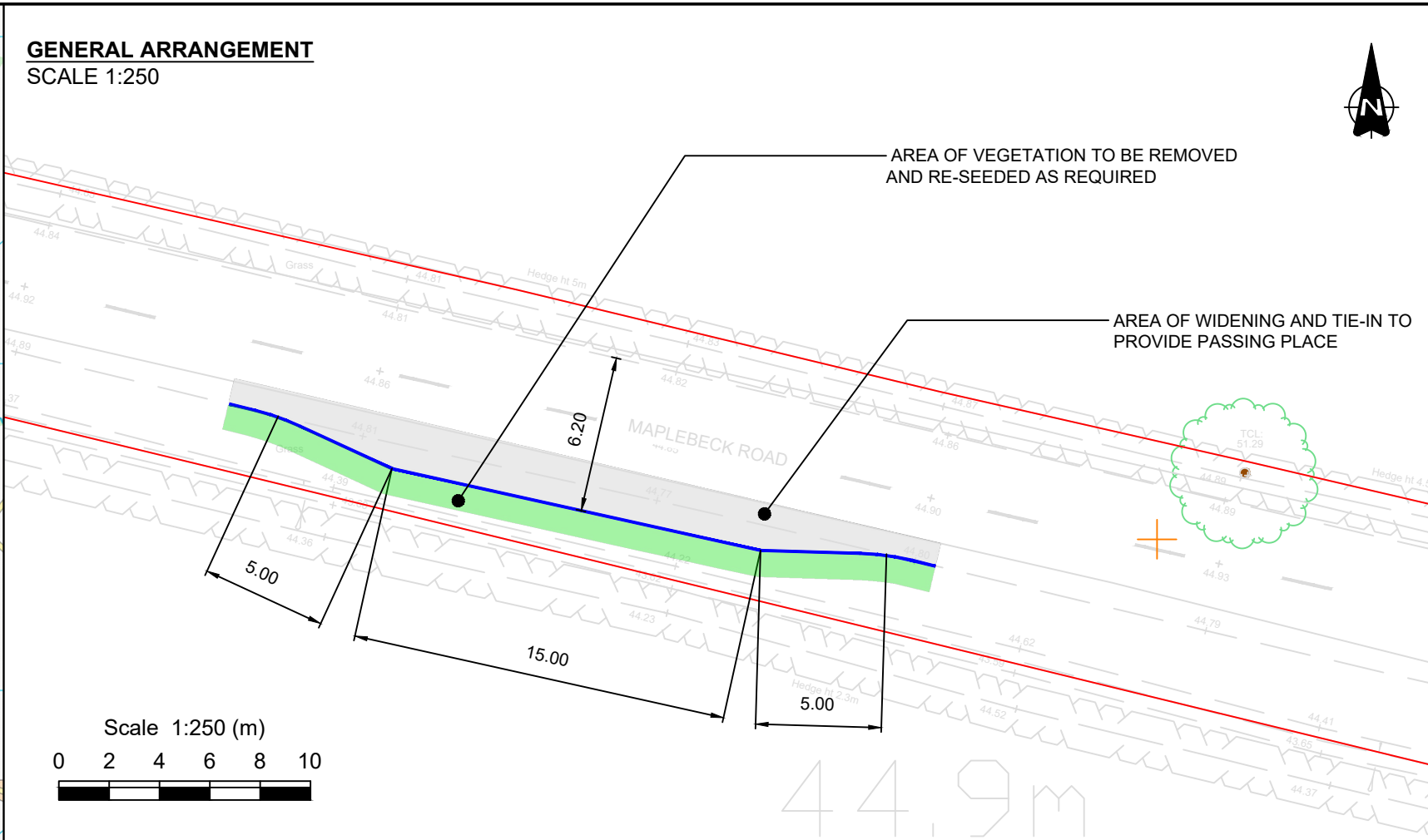
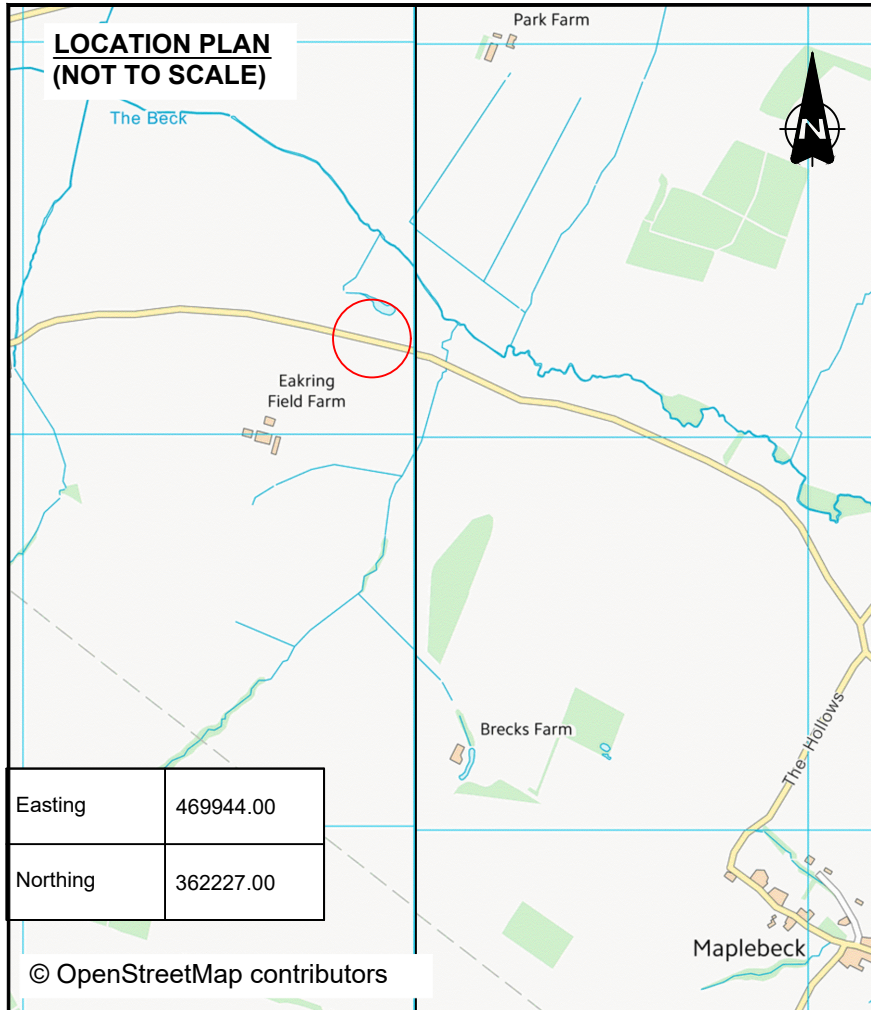
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Client
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Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 12

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK212	Rev.	



NOTES

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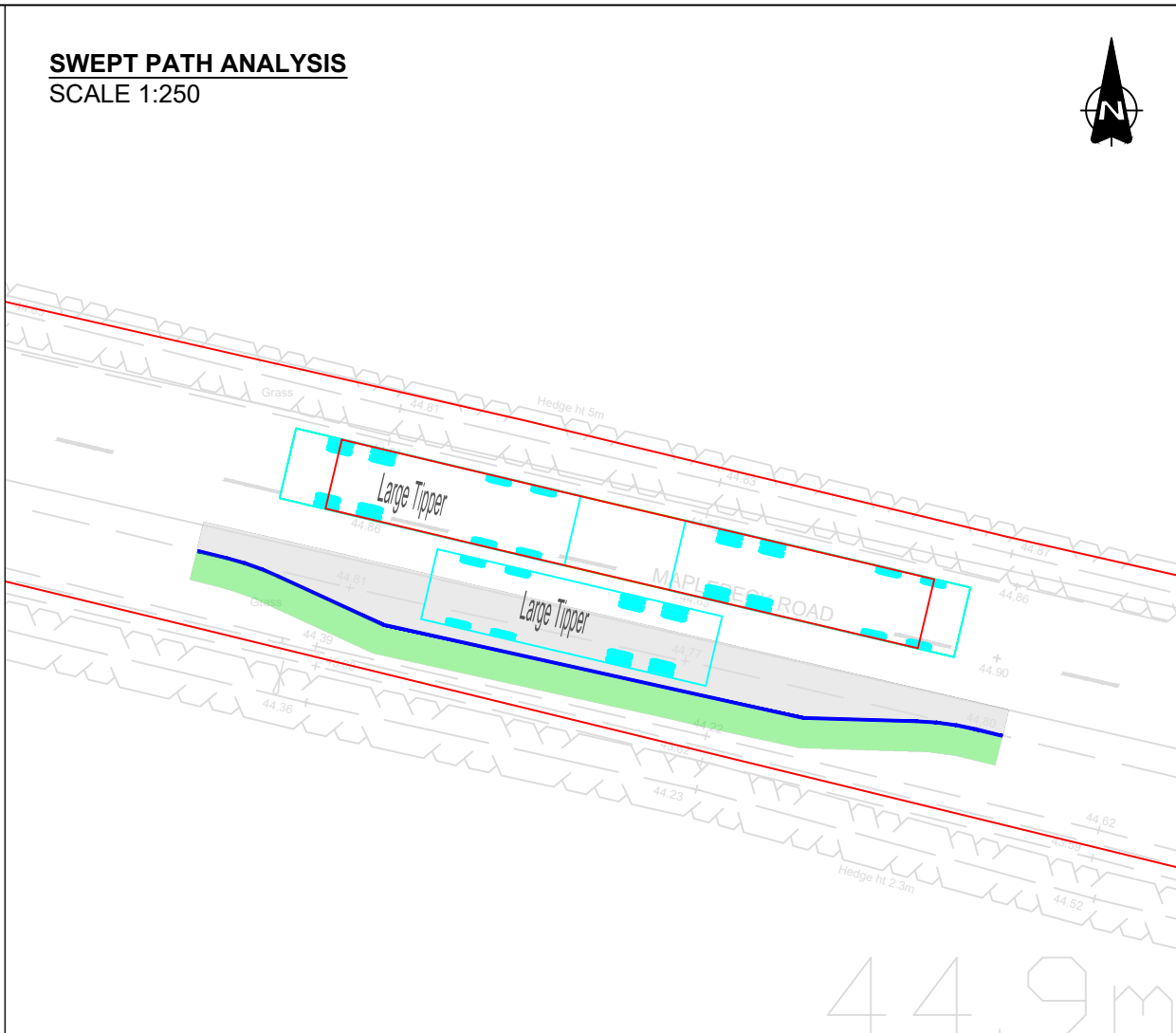
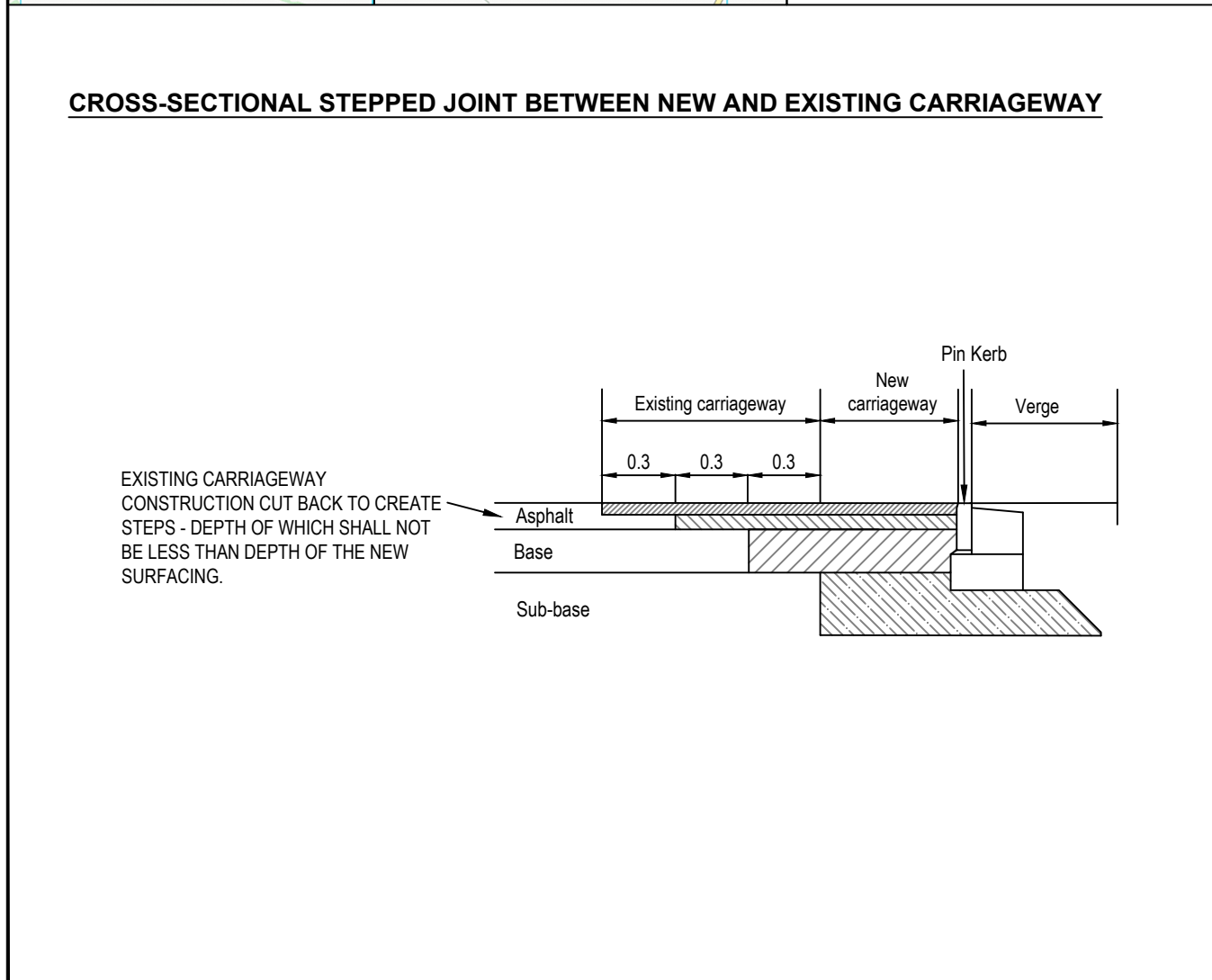
KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as required

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VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



Rev	Date	Revision details	Drawn	Checked	Approved

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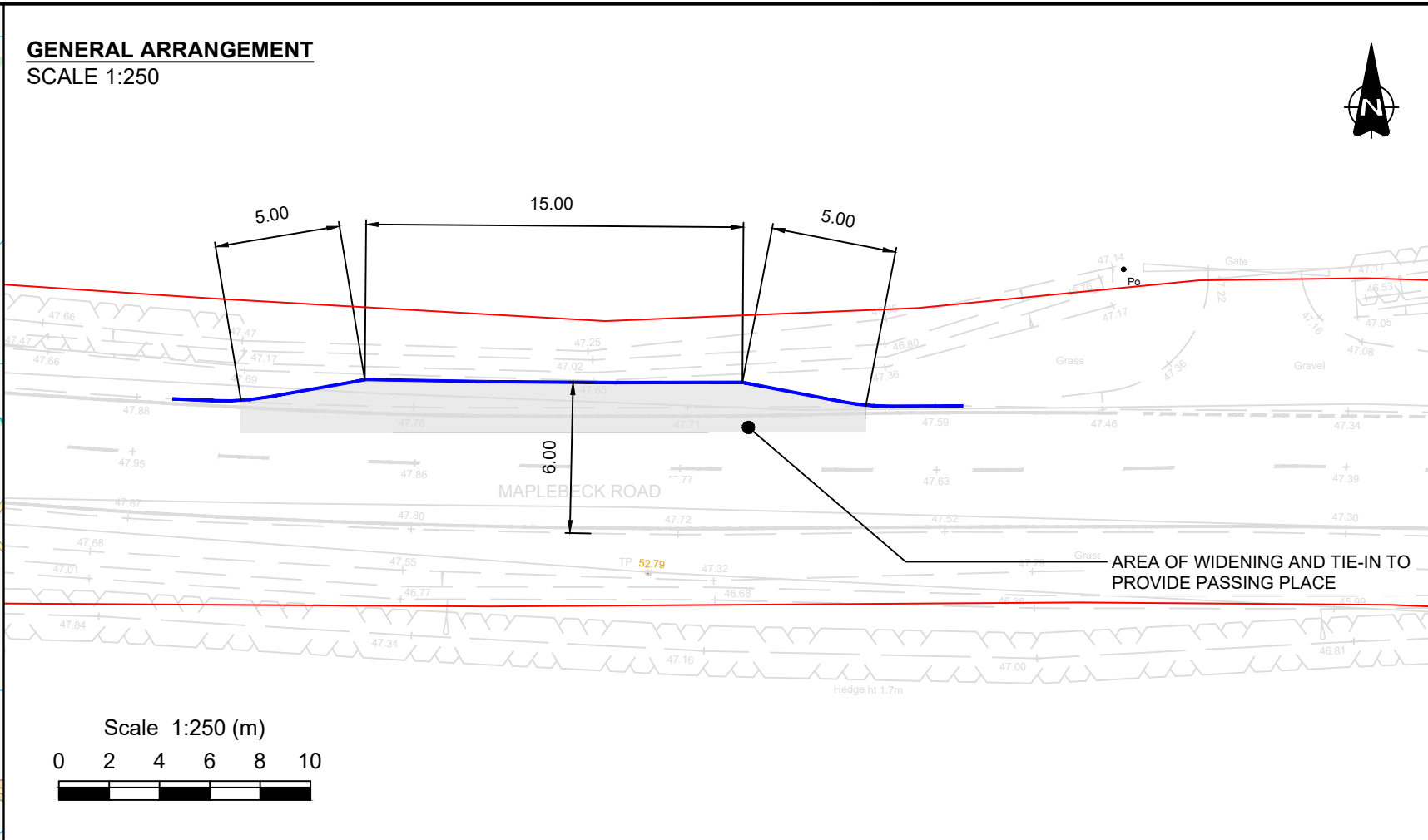
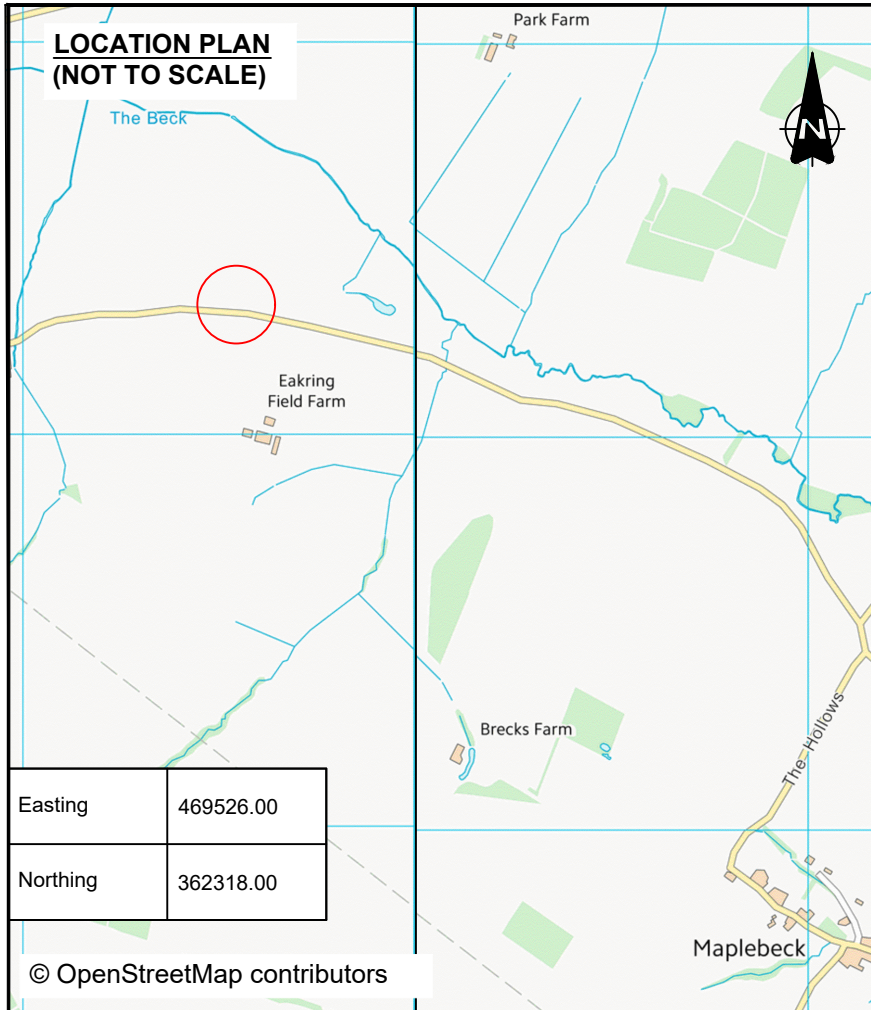
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Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 13

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK213	Rev.



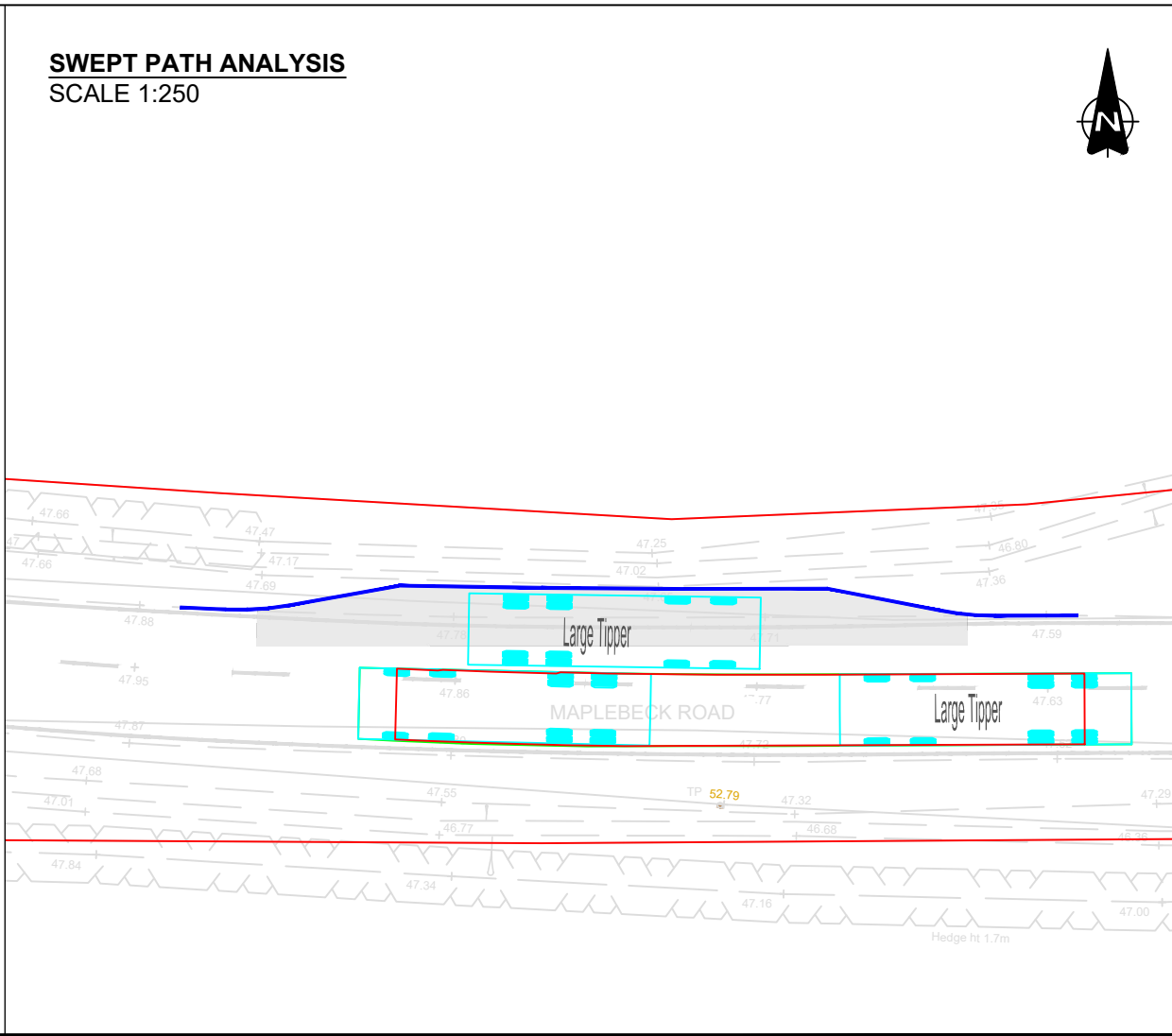
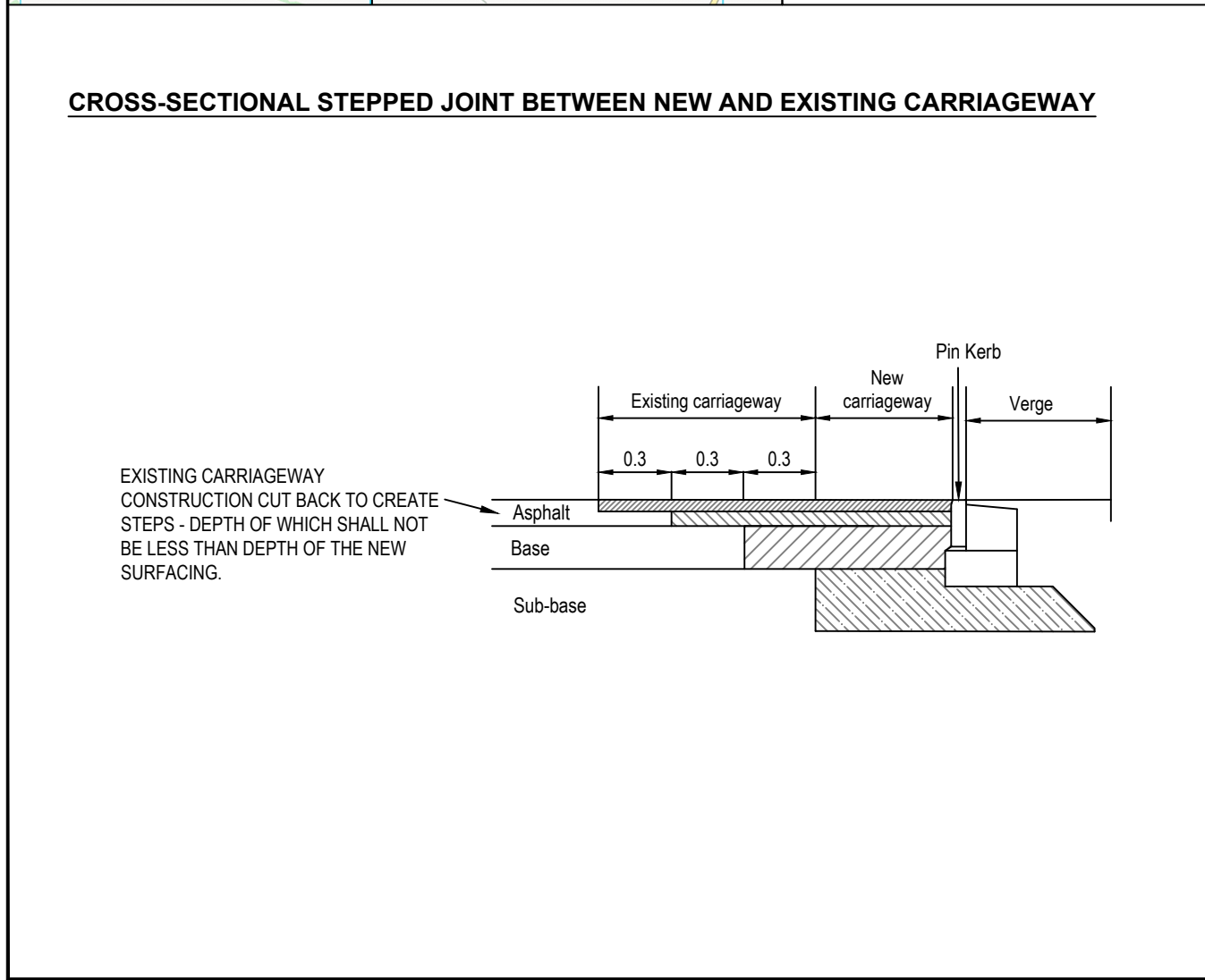
NOTES

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- All dimensions are in metres unless otherwise stated.
- This drawing is for planning purposes only.

KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits

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VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m

Rev	Date	Revision details	Drawn	Checked	Approved

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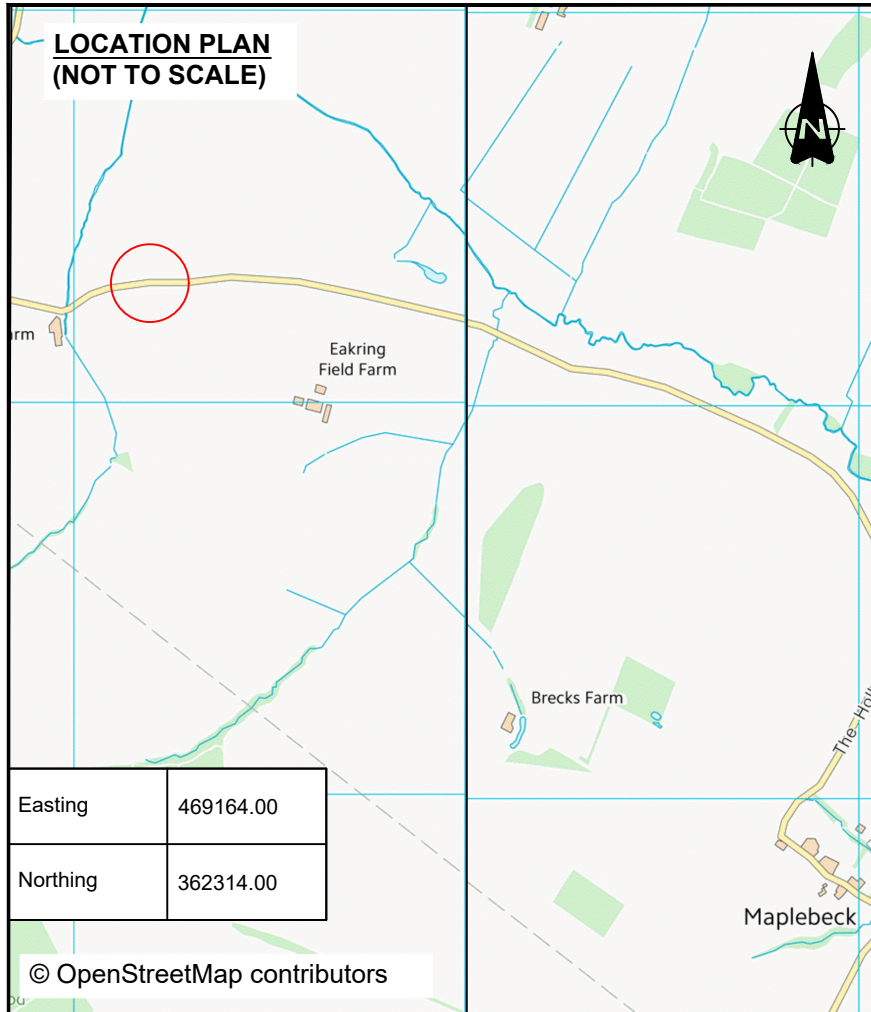
Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 14

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK214	Rev.	

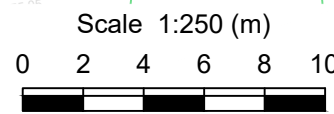
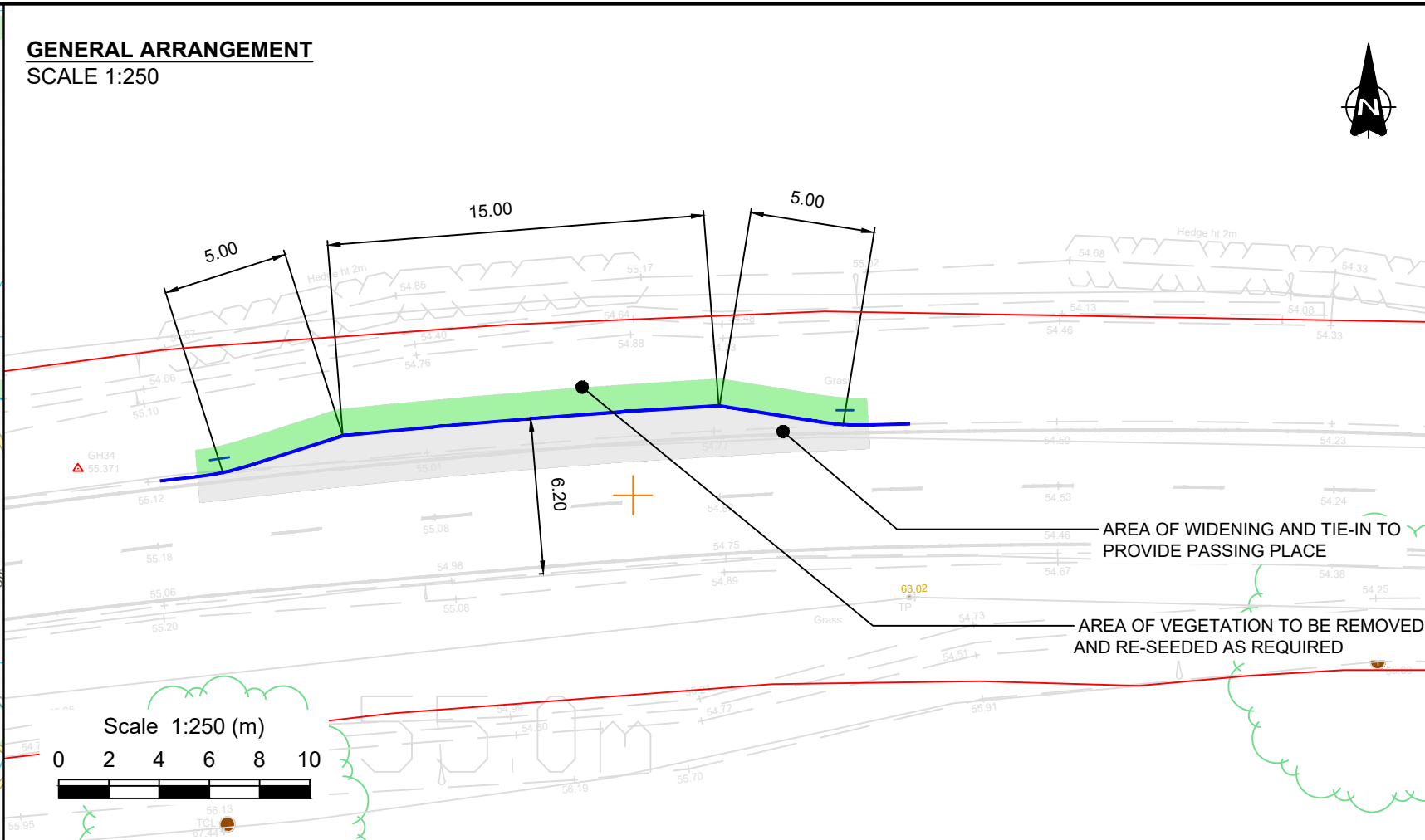
**LOCATION PLAN
(NOT TO SCALE)**



Easting	469164.00
Northing	362314.00

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**GENERAL ARRANGEMENT
SCALE 1:250**



NOTES

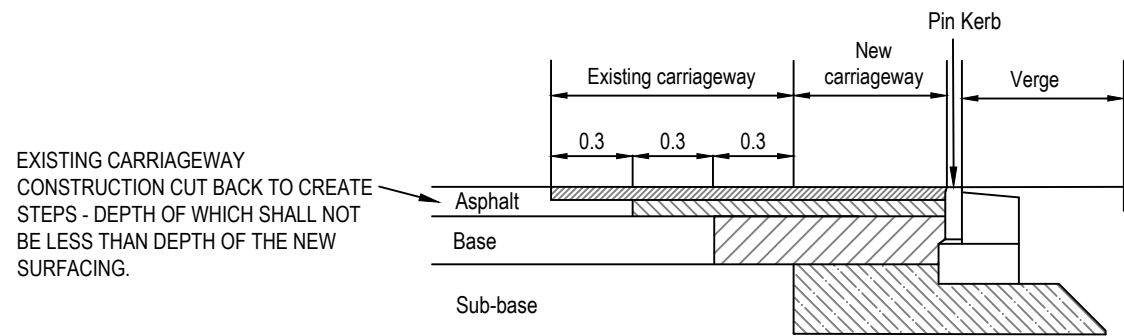
1. Do not scale from this drawing.
2. All dimensions are in metres unless otherwise stated.
3. This drawing is for planning purposes only.

KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

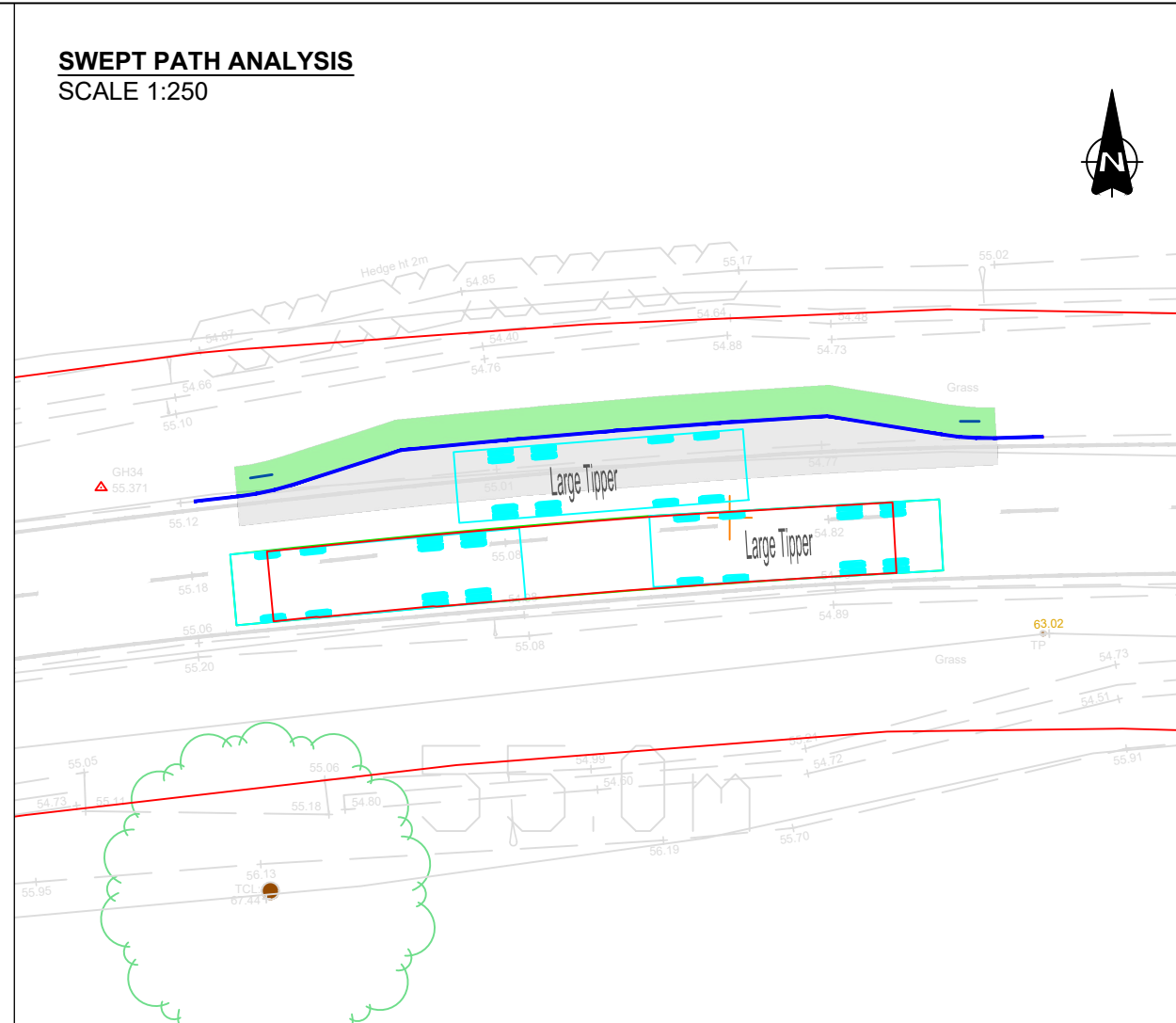
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CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY

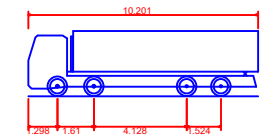


EXISTING CARRIAGEWAY CONSTRUCTION CUT BACK TO CREATE STEPS - DEPTH OF WHICH SHALL NOT BE LESS THAN DEPTH OF THE NEW SURFACING.

**SWEPT PATH ANALYSIS
SCALE 1:250**



VEHICLE USED FOR SWEEP PATH



Large Tipper
Overall Length 10.201m
Overall Width 2.495m
Overall Body Height 2.890m
Min Body Ground Clearance 0.341m
Track Width 2.471m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 11.550m

Rev	Date	Revision details	Drawn	Checked	Approved

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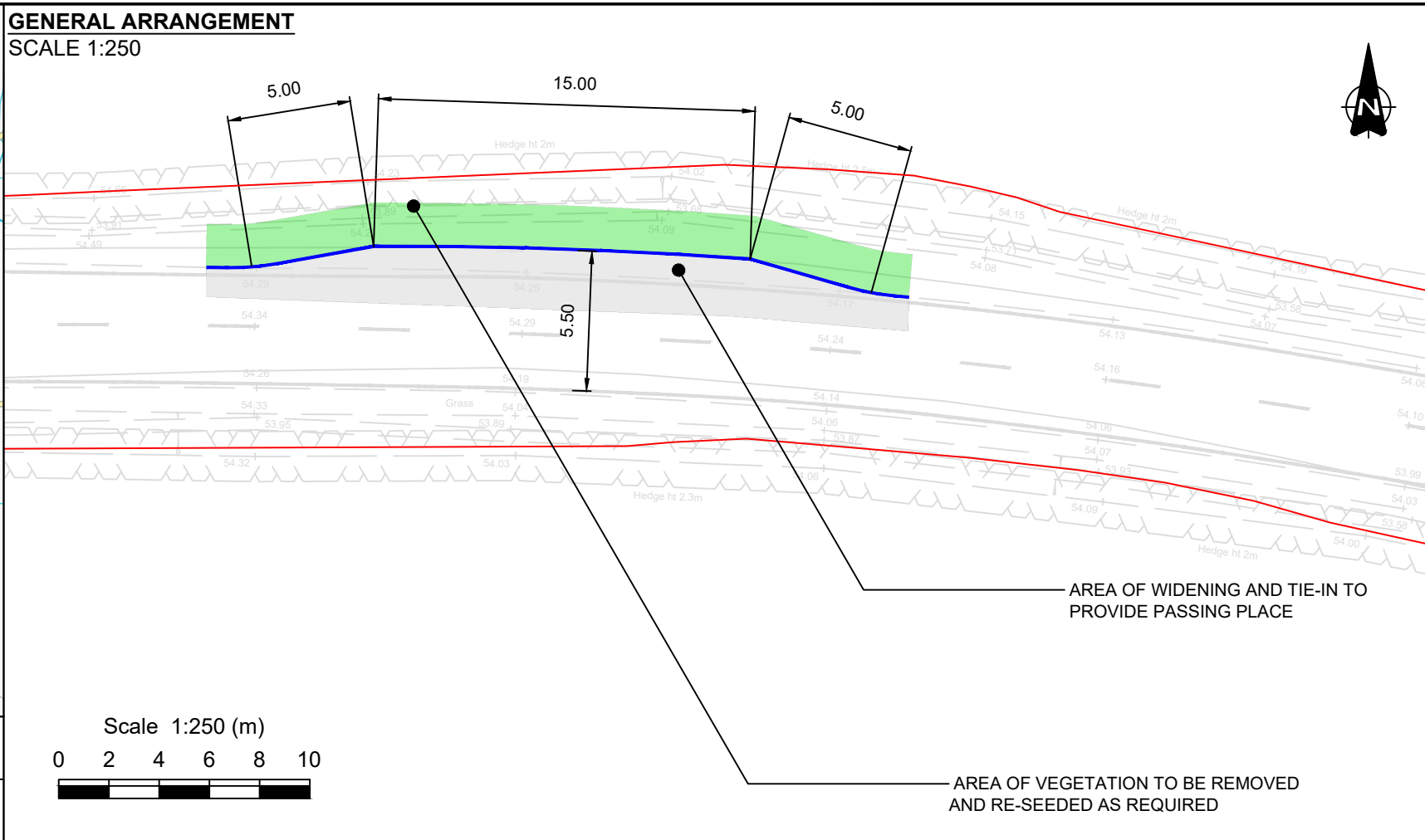
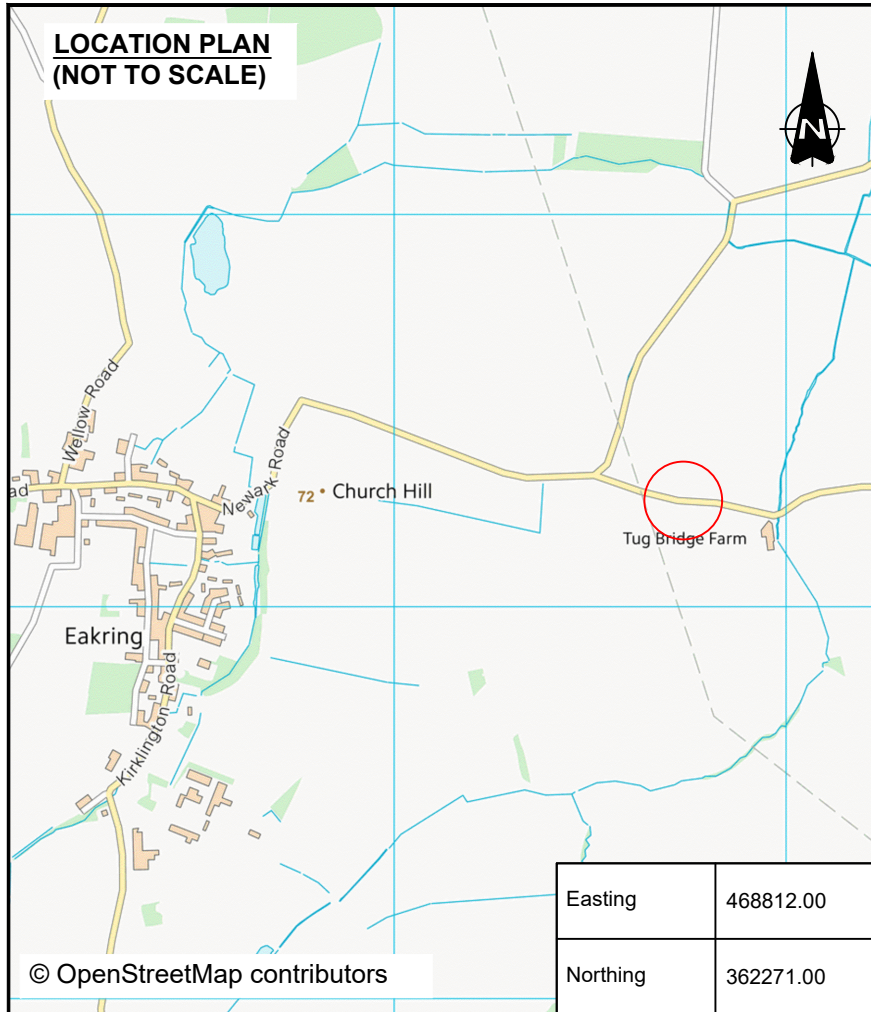
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Newcastle upon Tyne,
NE1 1LE
T 0191 249 3816
E uk_newcastle@systra.com

Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 15

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK215	Rev.



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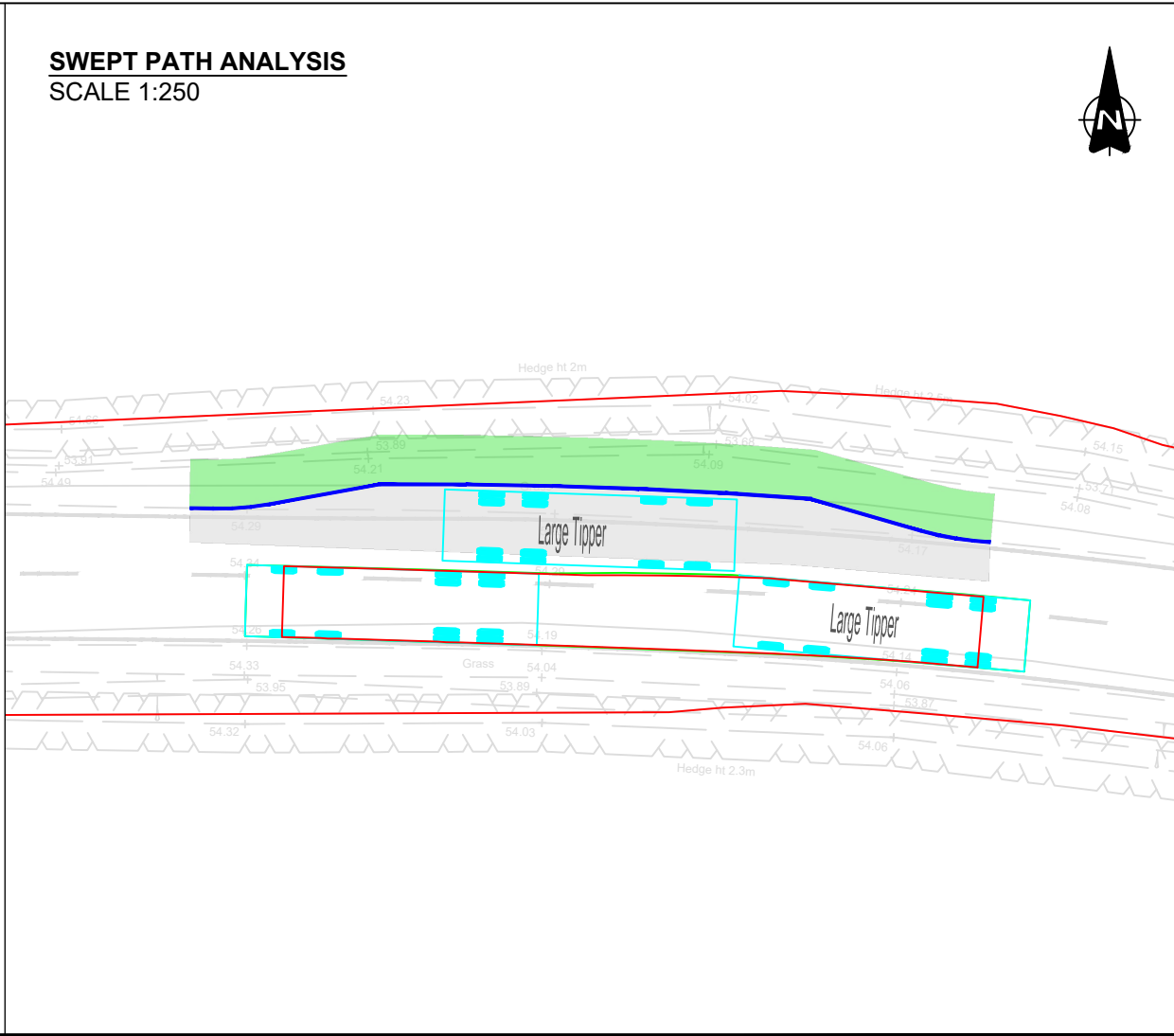
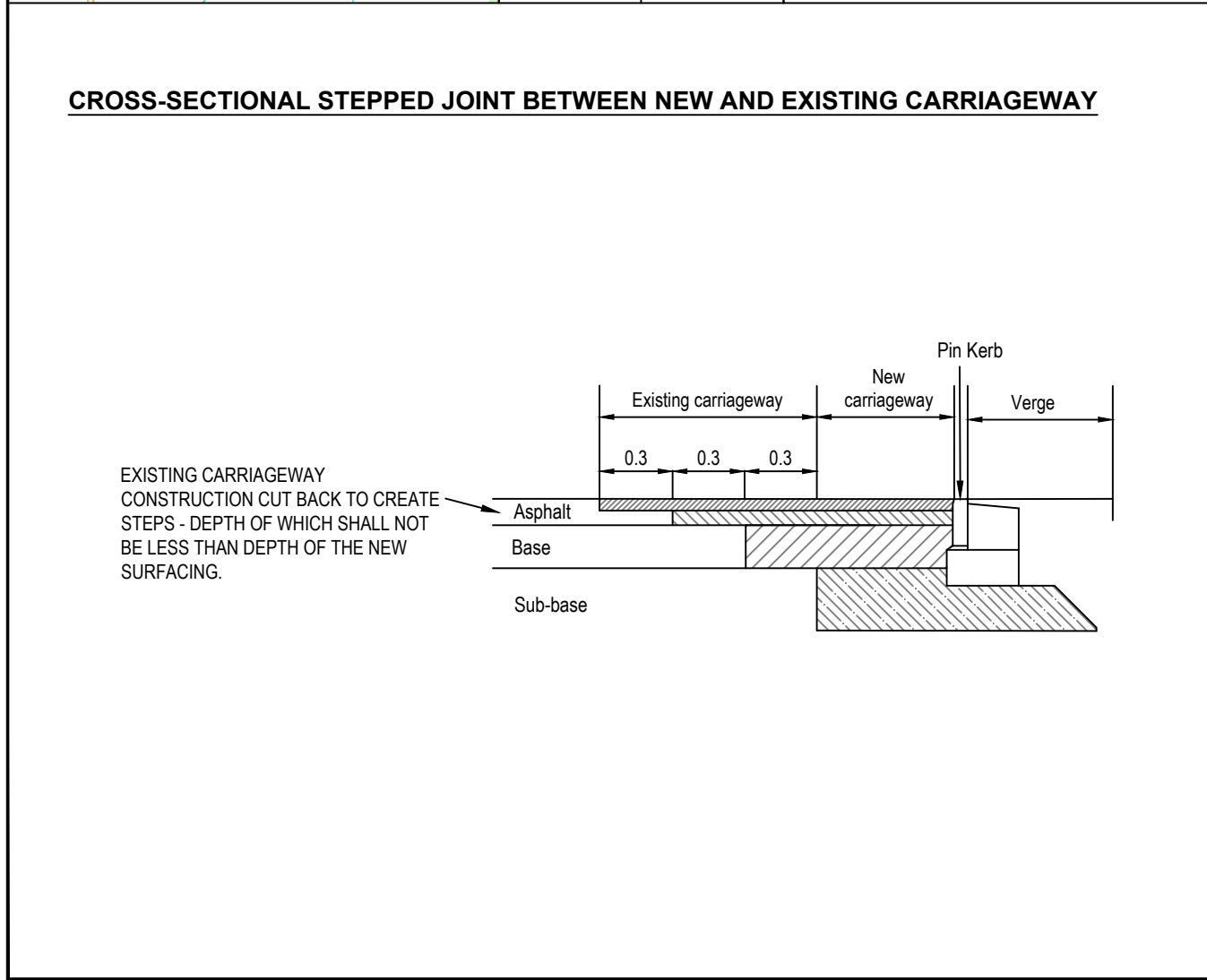
KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

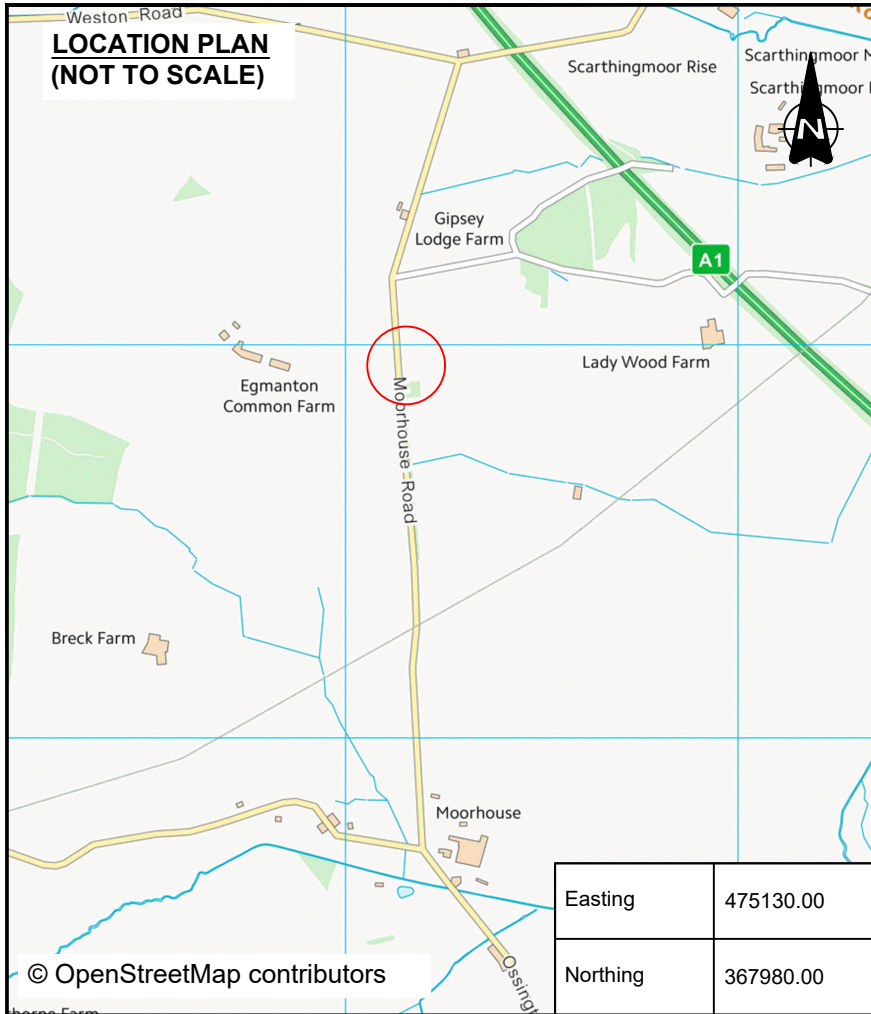
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VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m

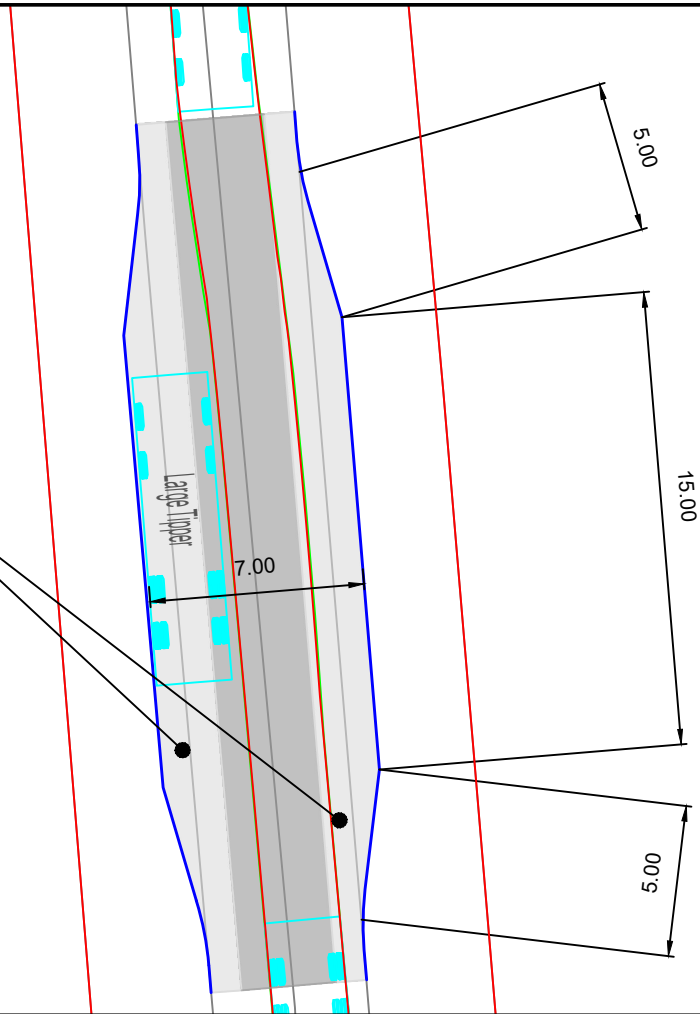
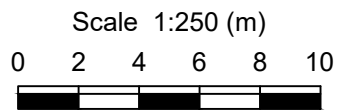


Rev	Date	Revision details	Drawn	Checked	Approved
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ELEMENTS GREEN TRENT LTD.					
Project: GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK					
Title: PROPOSED PASSING PLACE LOCATION 16					
Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK216	Rev.



GENERAL ARRANGEMENT SCALE 1:250

AREA OF WIDENING AND TIE-IN TO PROVIDE PASSING PLACE



NOTES

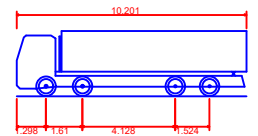
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- This drawing is for planning purposes only.

KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Proposed new surface course
- Inter-visibility lines

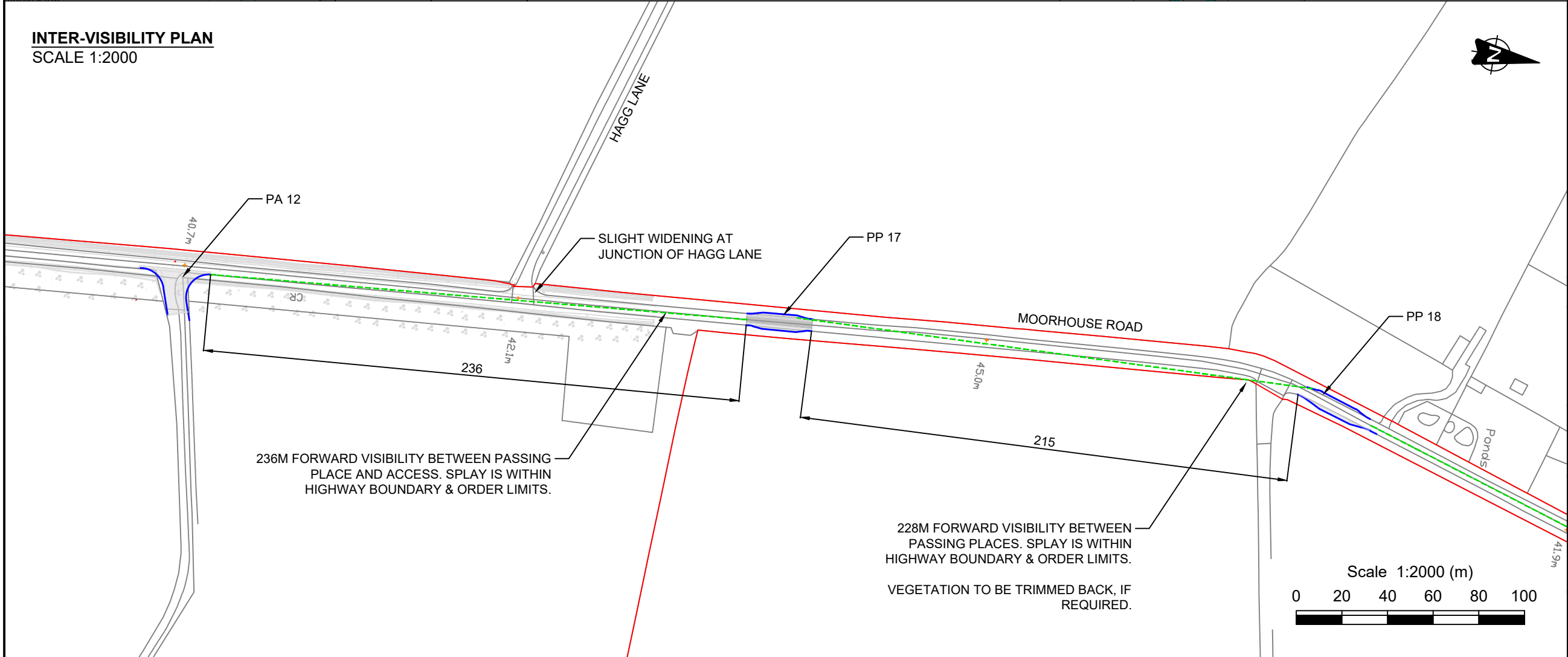
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VEHICLE USED FOR SWEEP PATH



Large Tipper
 Overall Length 10.201m
 Overall Width 2.495m
 Overall Body Height 2.890m
 Min Body Ground Clearance 0.341m
 Track Width 2.471m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 11.550m

INTER-VISIBILITY PLAN SCALE 1:2000



A	09.04.26	LAYOUT UPDATED TO PROVIDE DISTANCES BETWEEN PASSING PLACES	JP	SE	SE
Rev	Date	Revision details	Drawn	Checked	Approved

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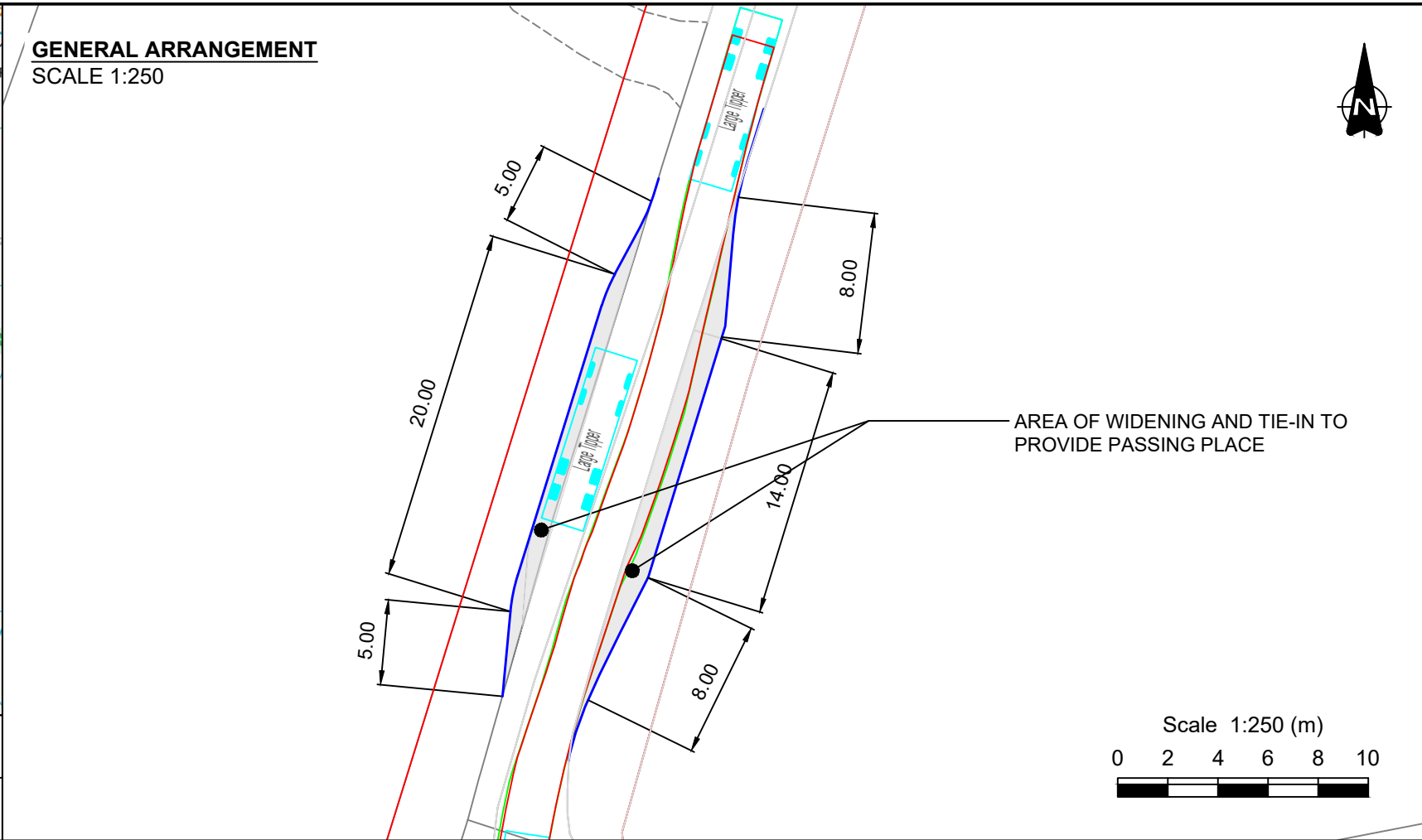
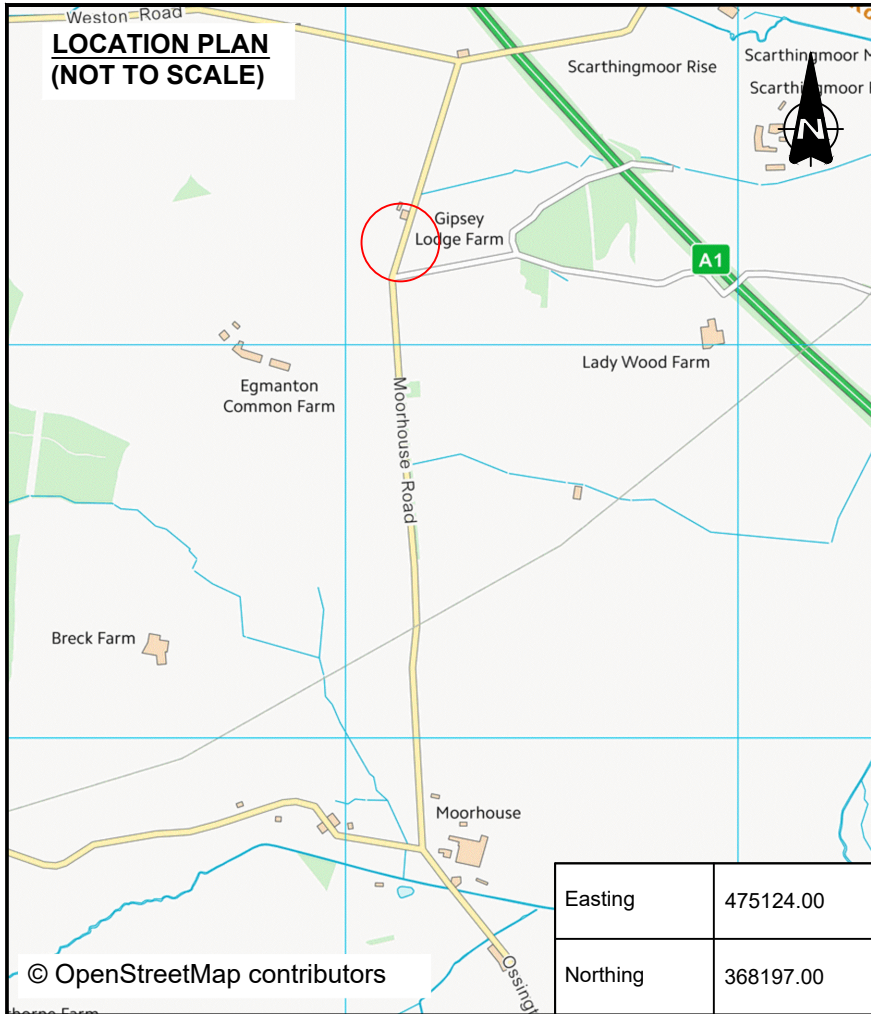
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Client
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Project
 GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
 PROPOSED PASSING PLACE LOCATION 17

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK217	Rev.	A



NOTES

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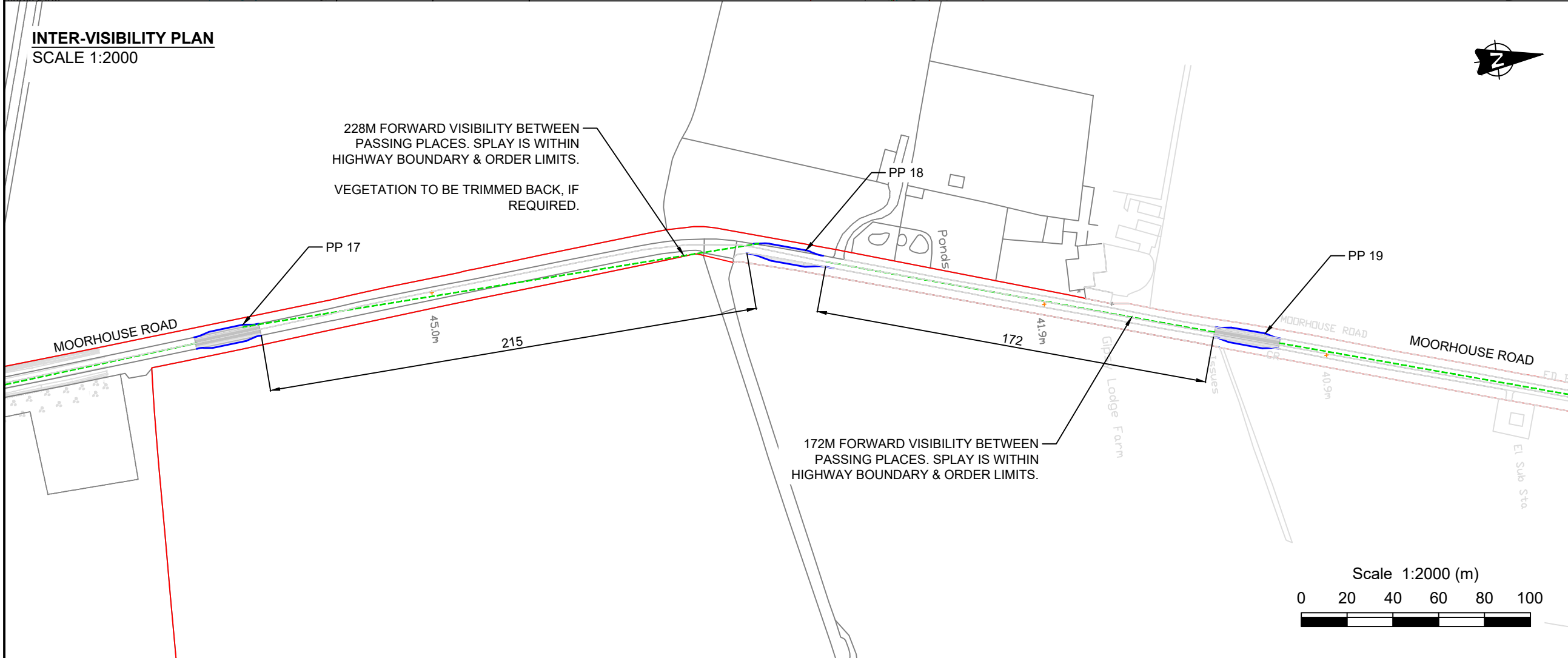
KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Inter-visibility lines

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VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



Rev	Date	Revision details	Drawn	Checked	Approved
A	09.04.26	LAYOUT UPDATED TO PROVIDE DISTANCES BETWEEN PASSING PLACES	JP	SE	SE

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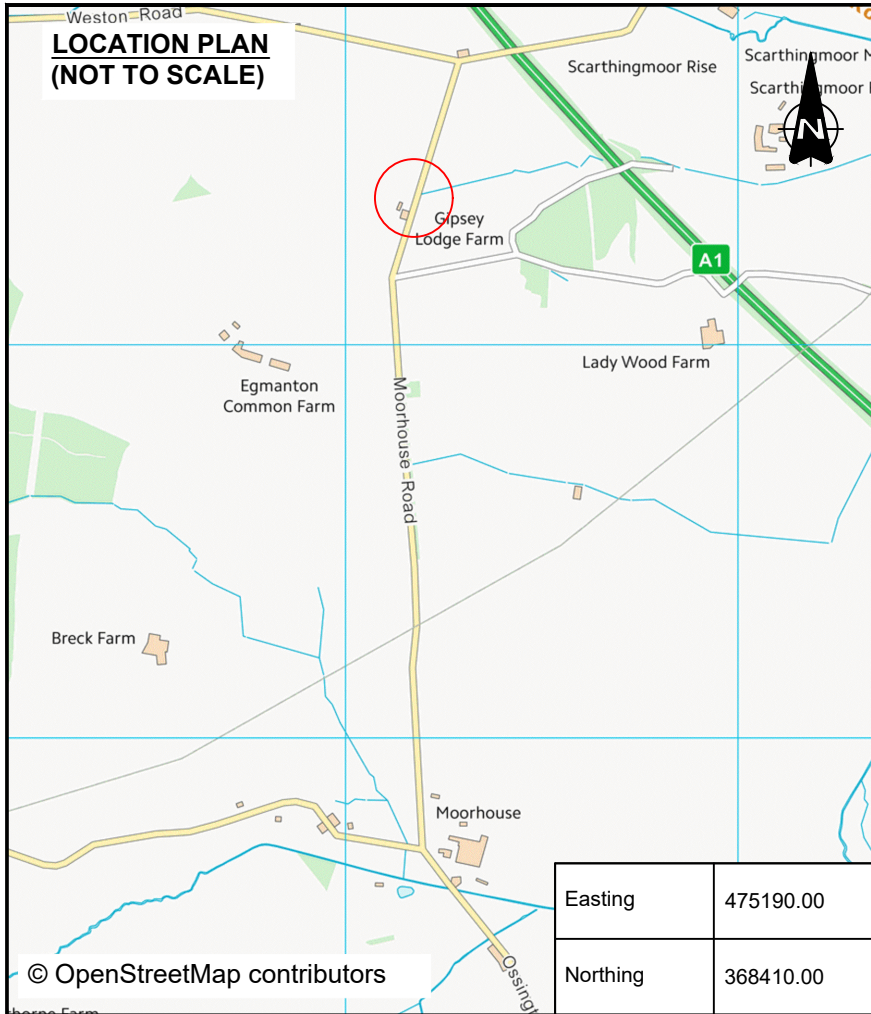
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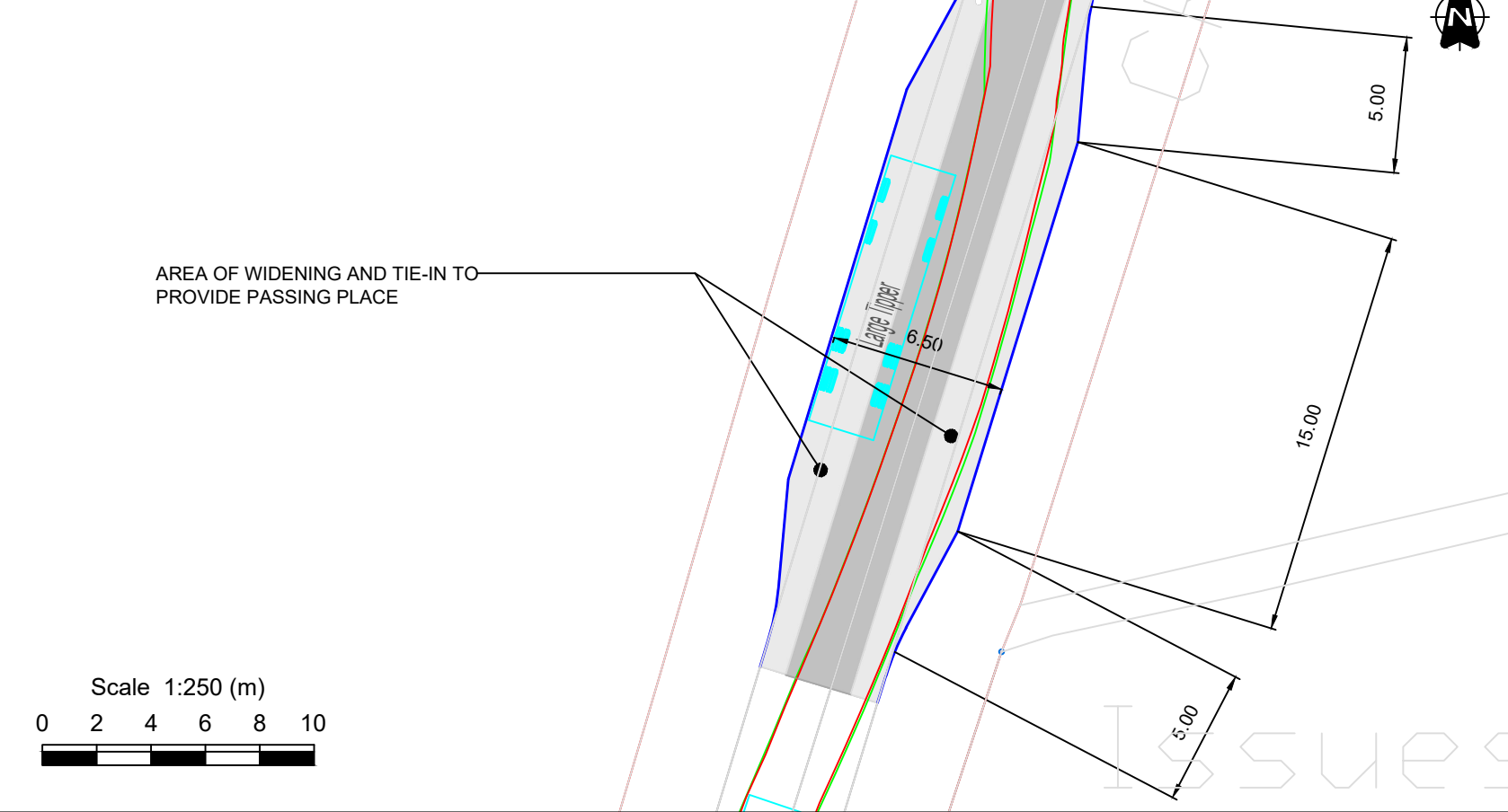
Project: GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title: PROPOSED PASSING PLACE LOCATION 18

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK218	Rev.	A



GENERAL ARRANGEMENT SCALE 1:250

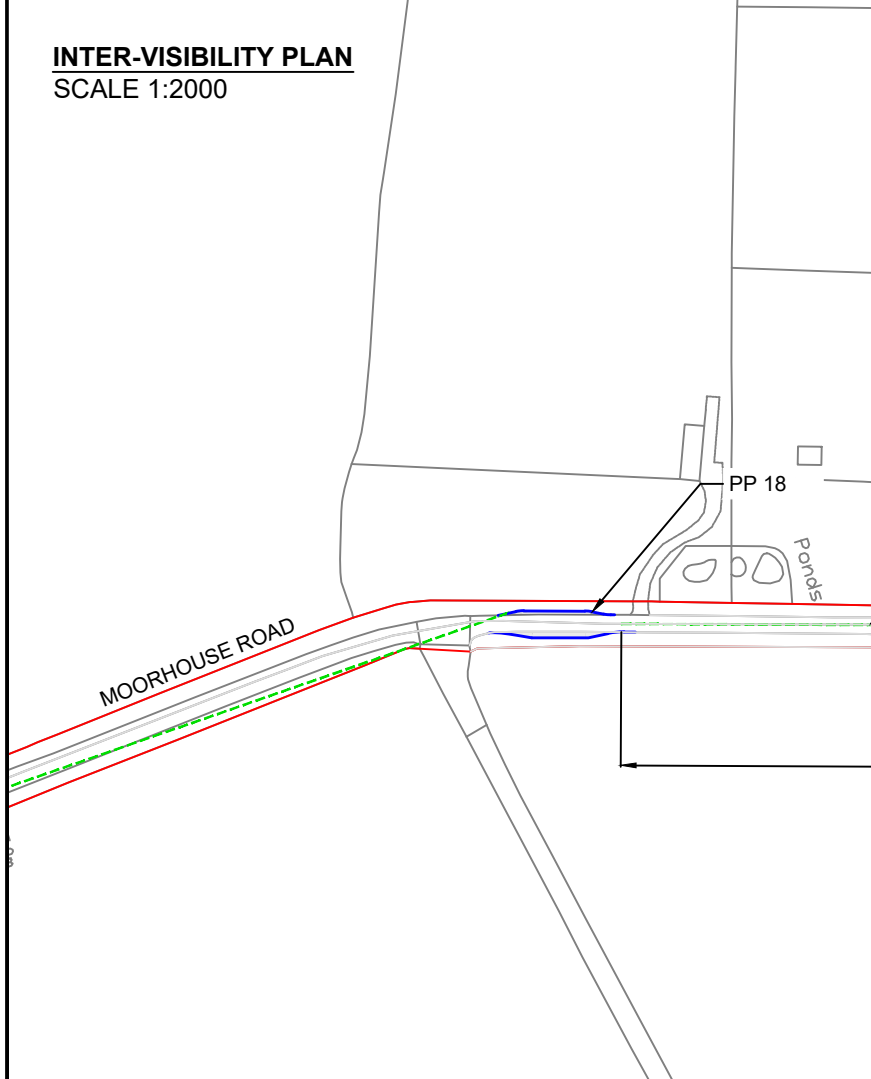
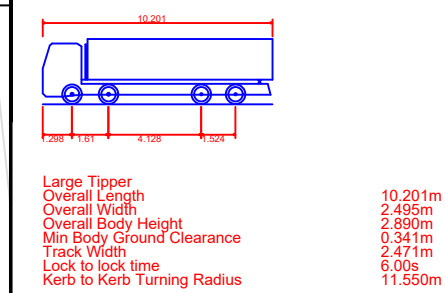


- #### NOTES
- Do not scale from this drawing.
 - All dimensions are in metres unless otherwise stated.
 - This drawing is for planning purposes only.

- #### KEY
- Proposed Kerblines
 - Proposed Carriageway Widening
 - Order limits
 - Proposed new surface course
 - Inter-visibility lines

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VEHICLE USED FOR SWEEP PATH



Rev	Date	Revision details	Drawn	Checked	Approved
A	09.04.26	LAYOUT UPDATED TO PROVIDE DISTANCES BETWEEN PASSING PLACES	JP	SE	SE

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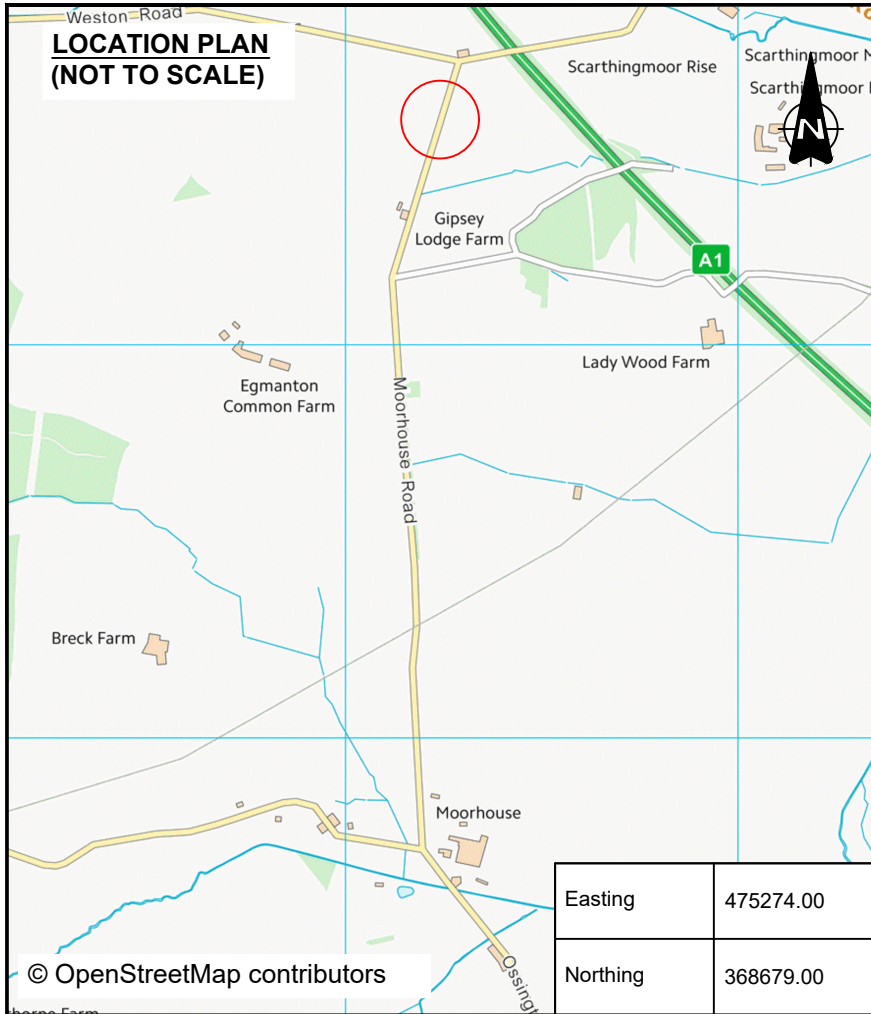
T 0191 249 3816
E uk_newcastle@systra.com

Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

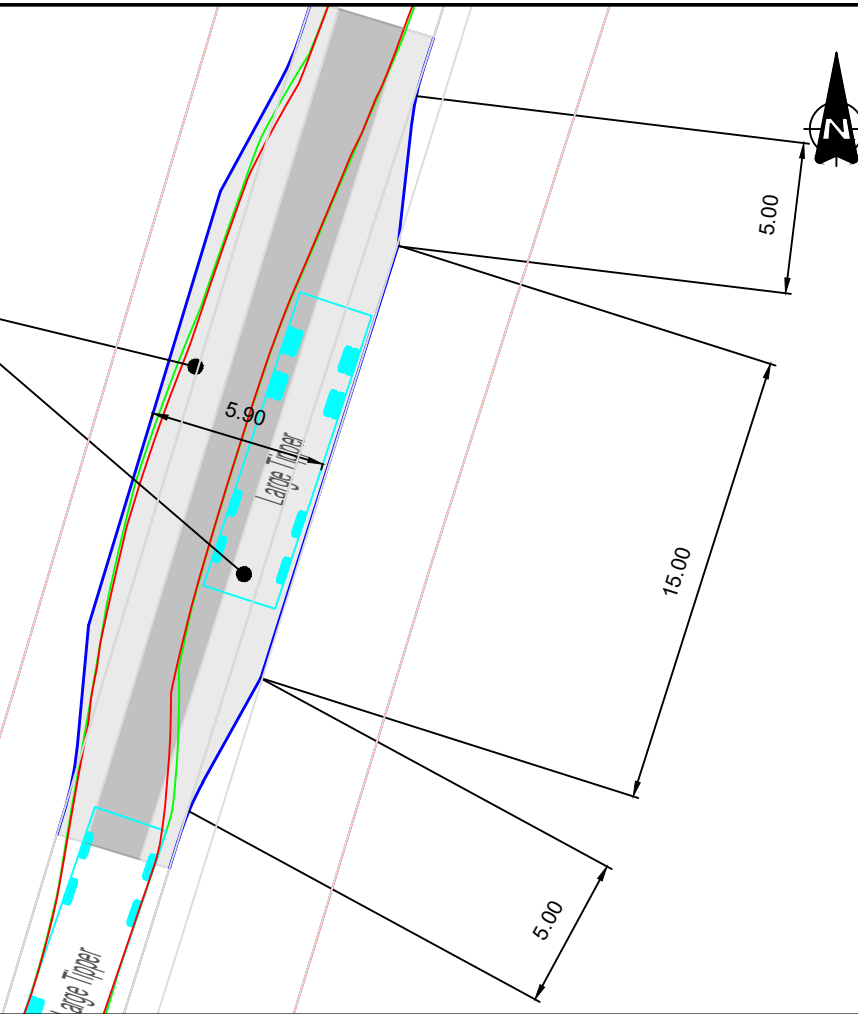
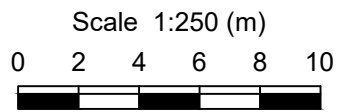
Title
PROPOSED PASSING PLACE LOCATION 19

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK219	Rev.	A



GENERAL ARRANGEMENT SCALE 1:250

AREA OF WIDENING AND TIE-IN TO PROVIDE PASSING PLACE



NOTES

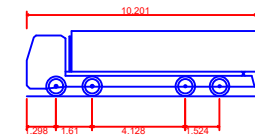
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- This drawing is for planning purposes only.

KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Proposed new surface course
- Inter-visibility lines

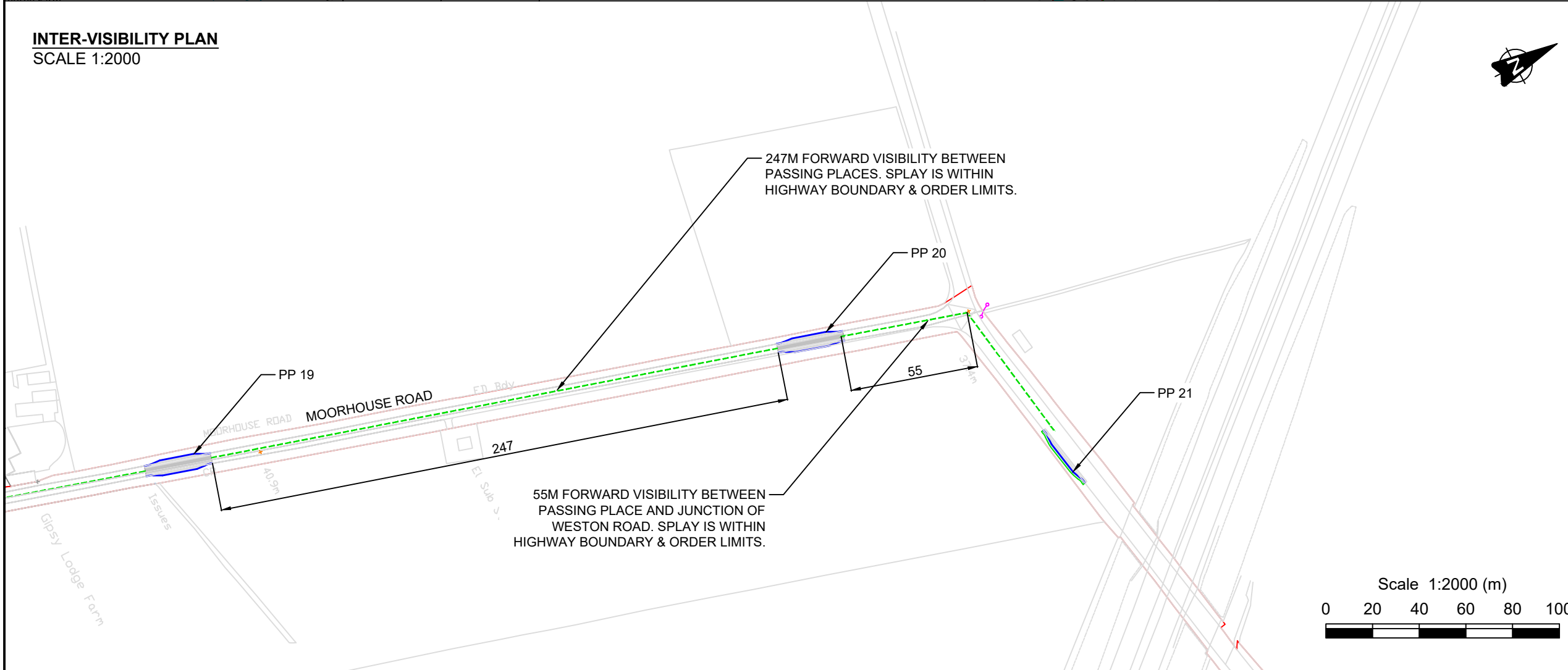
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VEHICLE USED FOR SWEEP PATH



Large Tipper
 Overall Length 10.201m
 Overall Width 2.495m
 Overall Body Height 2.890m
 Min Body Ground Clearance 0.341m
 Track Width 2.471m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 11.550m

INTER-VISIBILITY PLAN SCALE 1:2000



A	09.04.26	LAYOUT UPDATED TO PROVIDE DISTANCES BETWEEN PASSING PLACES	JP	SE	SE
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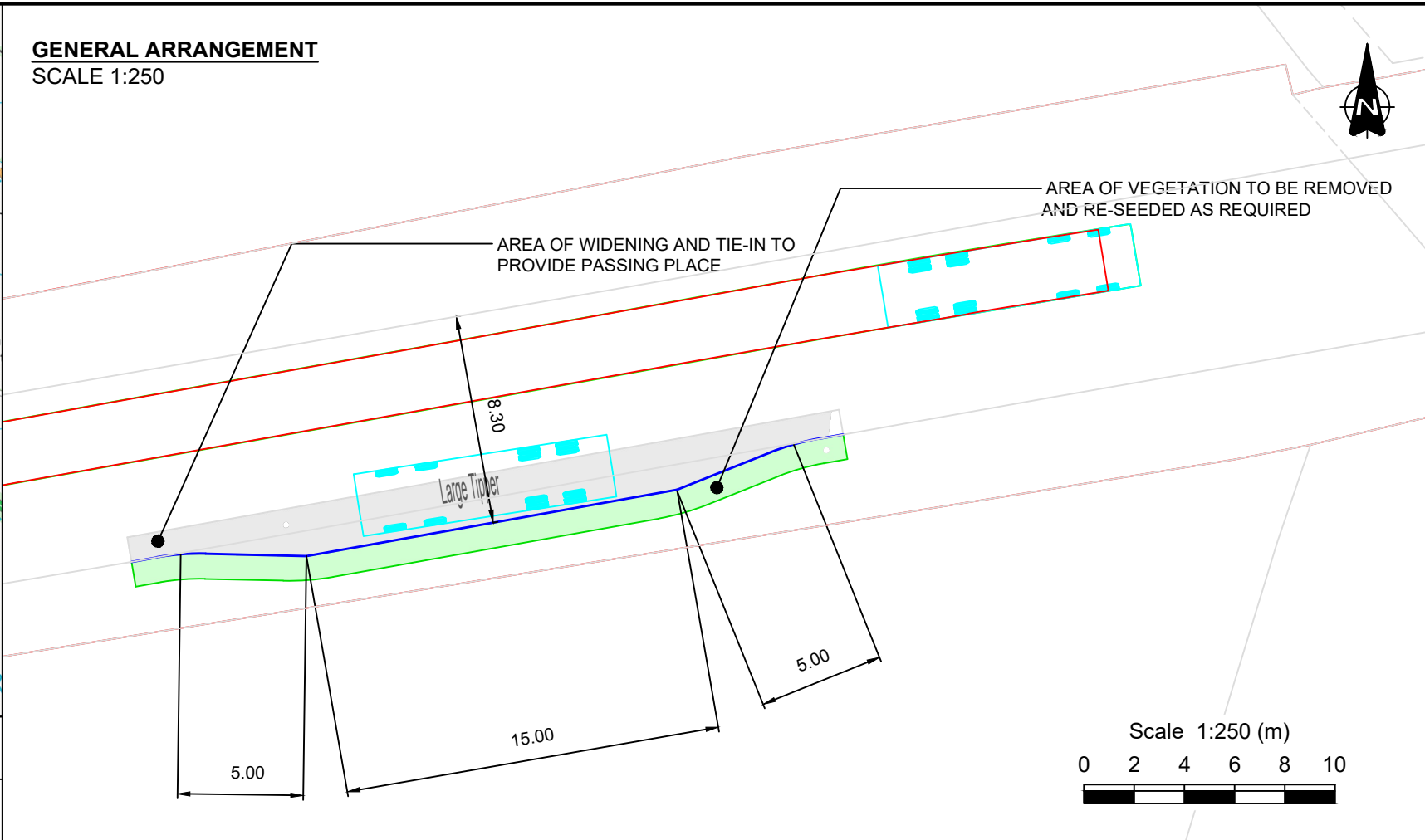
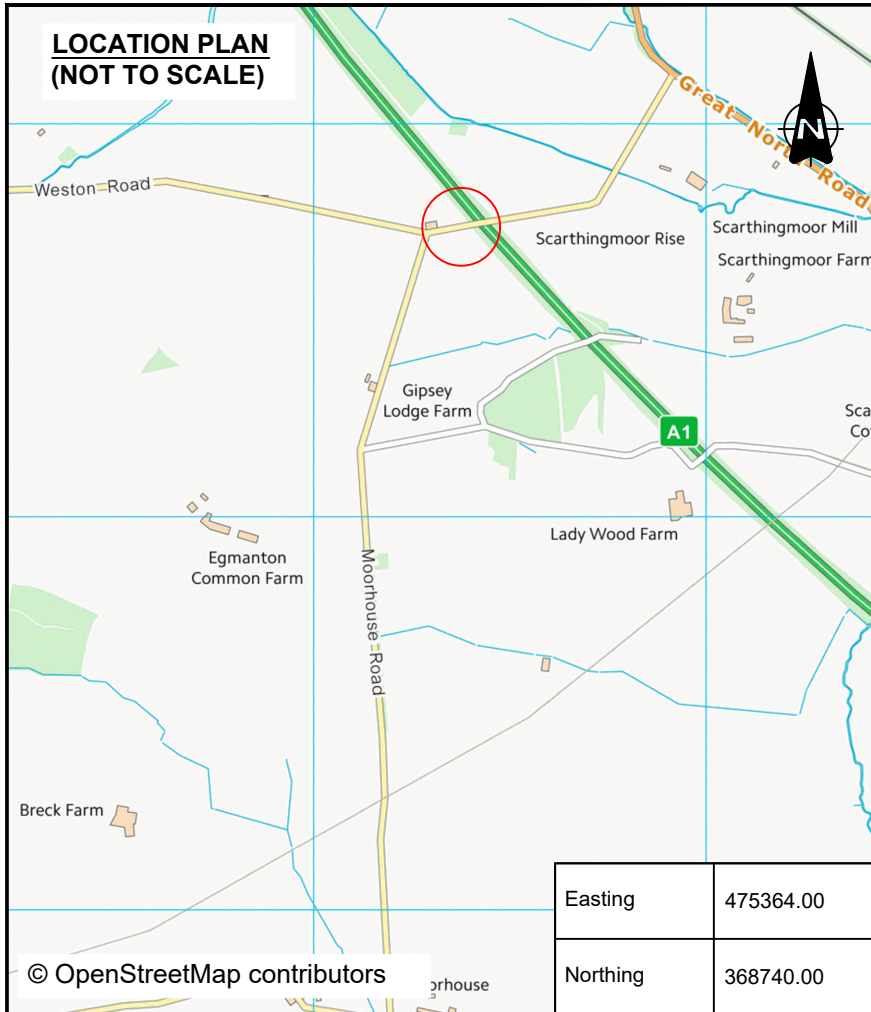
Client
 ELEMENTS GREEN TRENT LTD.

Project
 GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
 PROPOSED PASSING PLACE LOCATION 20

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN

Drawing Status	Information	Drawing Number	23D07-SK220	Rev.	A
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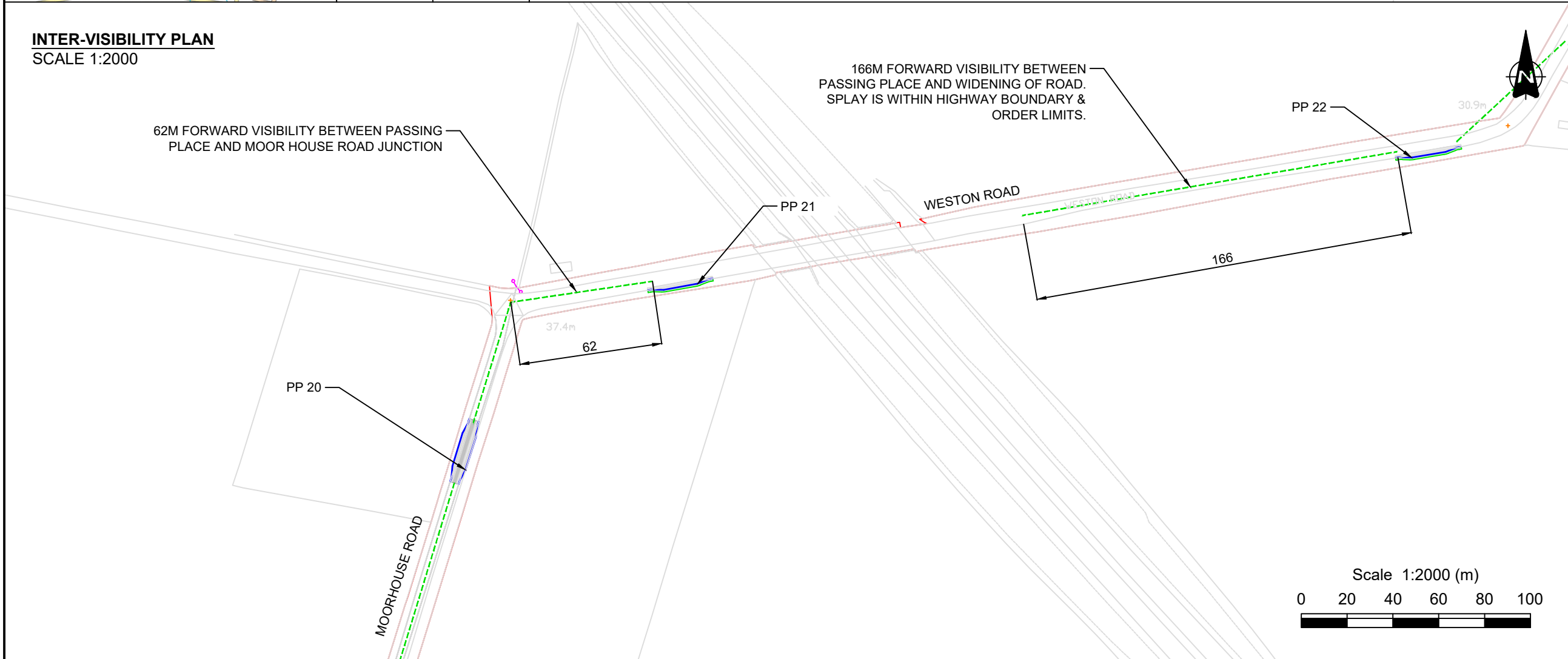
KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as required
- Inter-visibility lines

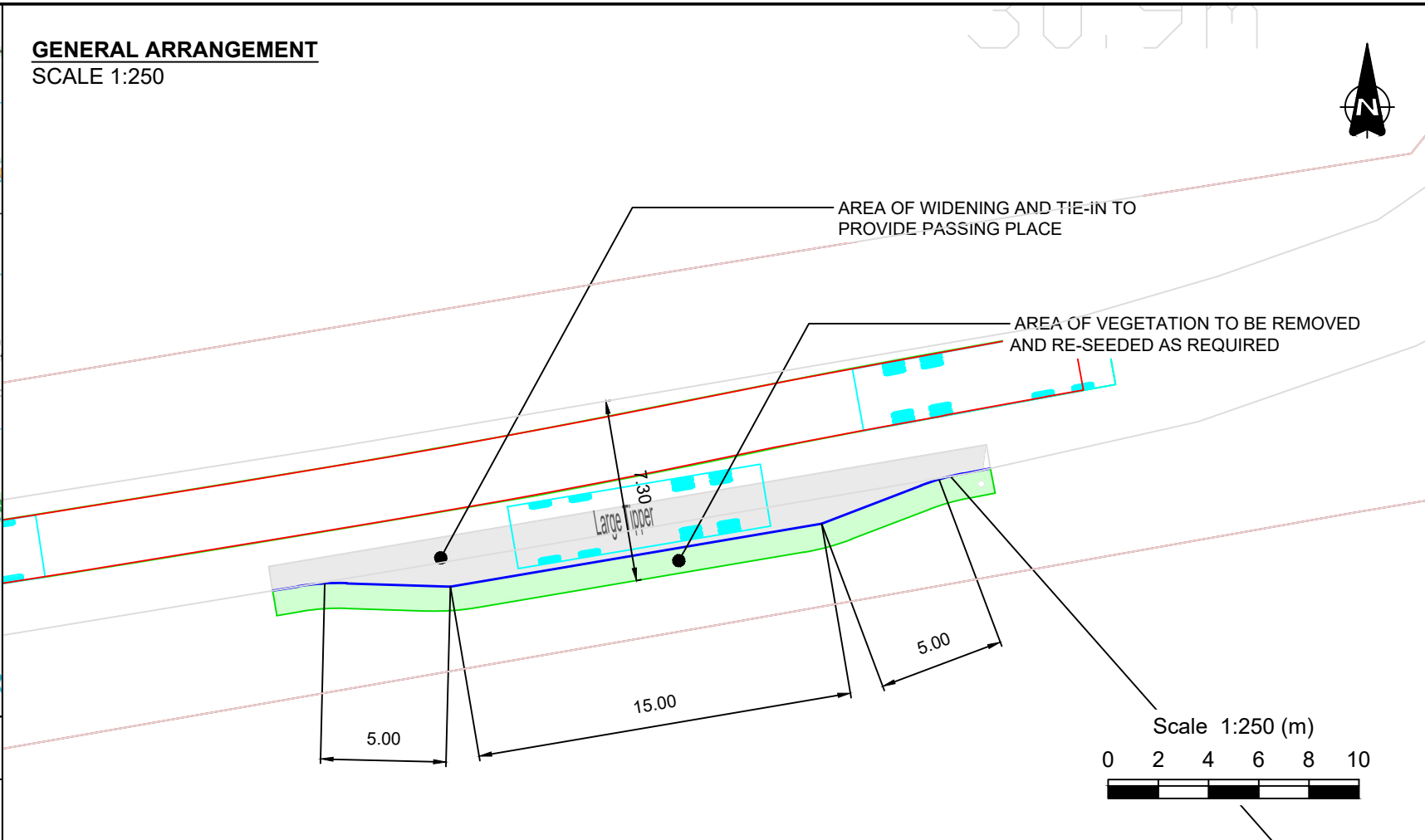
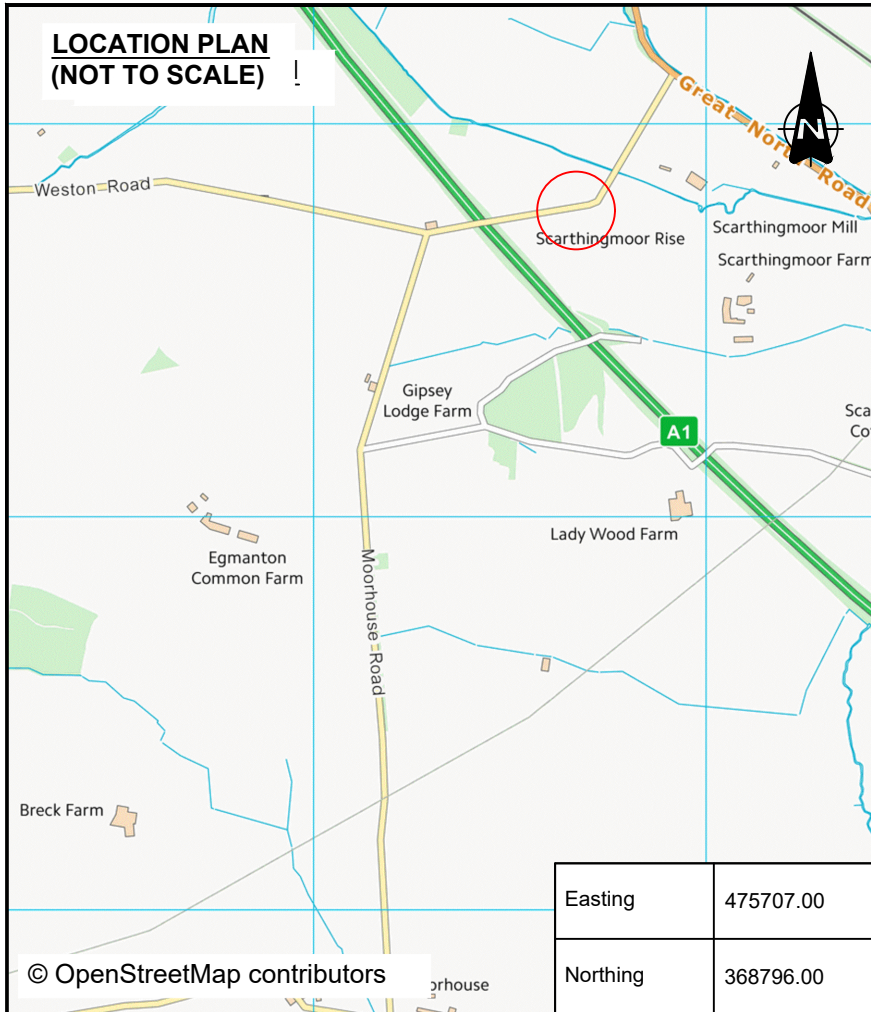
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VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



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Client				
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Project				
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK				
Title				
PROPOSED PASSING PLACE LOCATION 21				
Drawn	FW	Checked	JH	Approved
Original dwg. size	A3	Date	21.05.25	Scale
AS SHOWN				
Drawing Status		Drawing Number		Rev.
INFORMATION		23D07-SK221		A



NOTES

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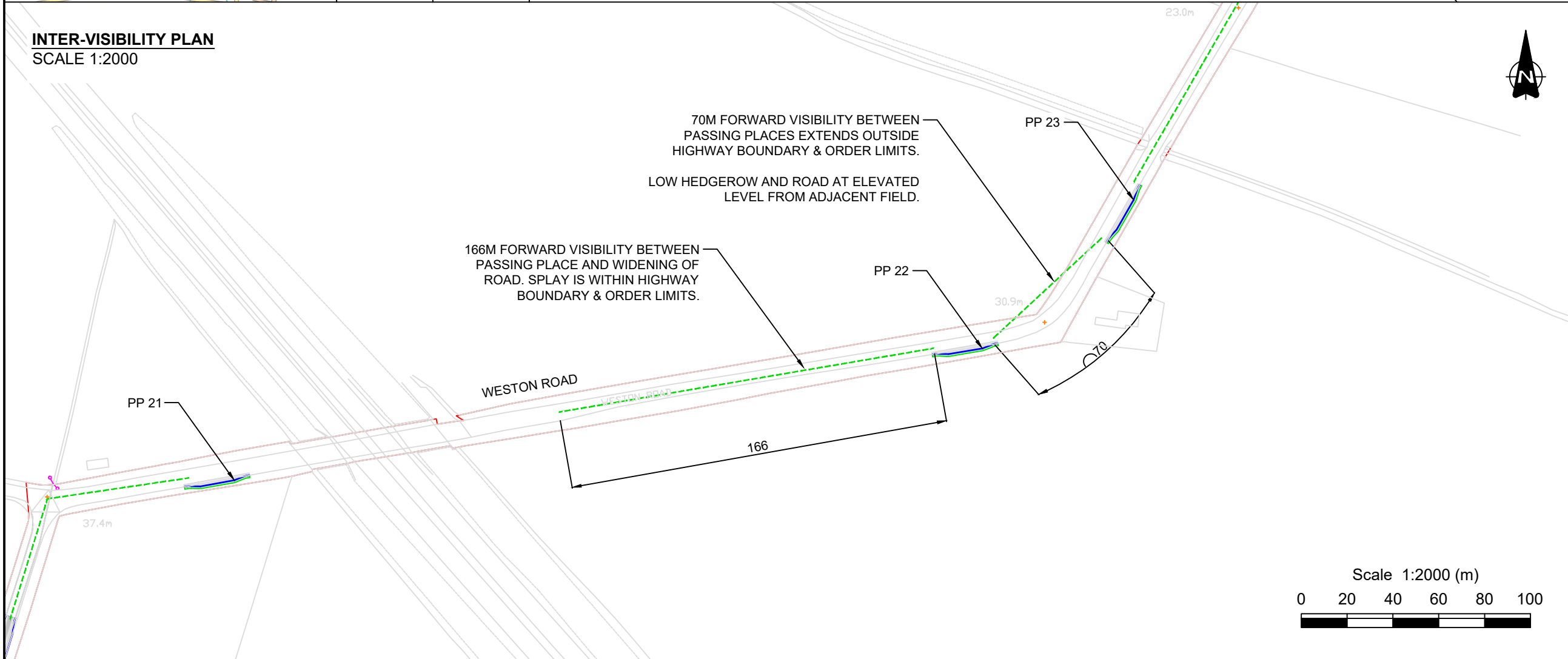
KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as required
- Inter-visibility lines

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VEHICLE USED FOR SWEEP PATH

Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Overall Body Height	0.341m
Min Body Ground Clearance	2.471m
Track Width	6.00s
Lock to lock time	11.550m
Kerb to Kerb Turning Radius	



A	09.04.26	LAYOUT UPDATED TO PROVIDE DISTANCES BETWEEN PASSING PLACES	JP	SE	SE
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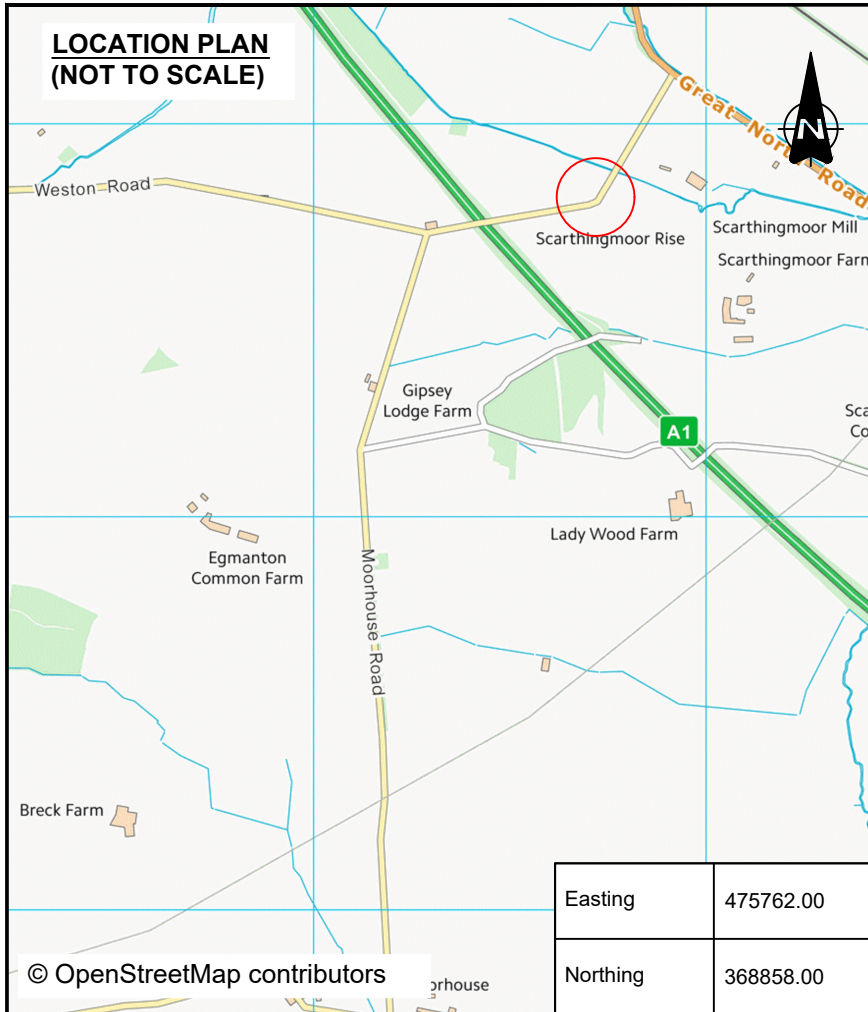
Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 22

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK222	Rev.	A

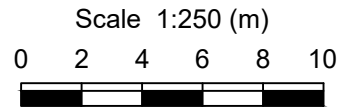
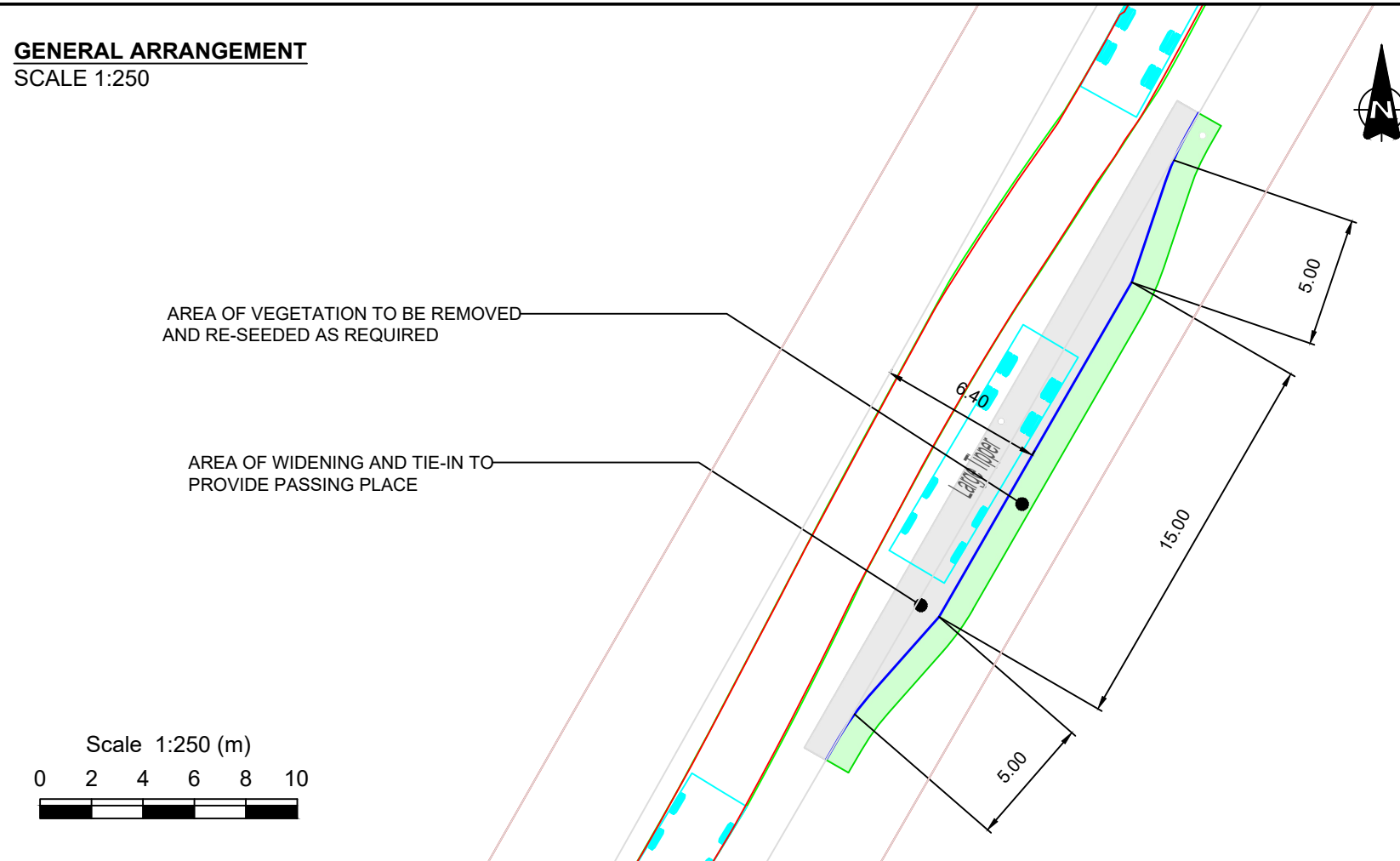
**LOCATION PLAN
(NOT TO SCALE)**



Easting	475762.00
Northing	368858.00

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**GENERAL ARRANGEMENT
SCALE 1:250**



NOTES

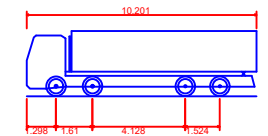
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3. This drawing is for planning purposes only.

KEY

- Proposed Kerline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as required
- Inter-visibility lines

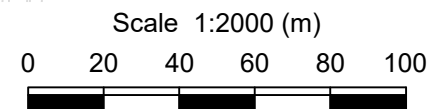
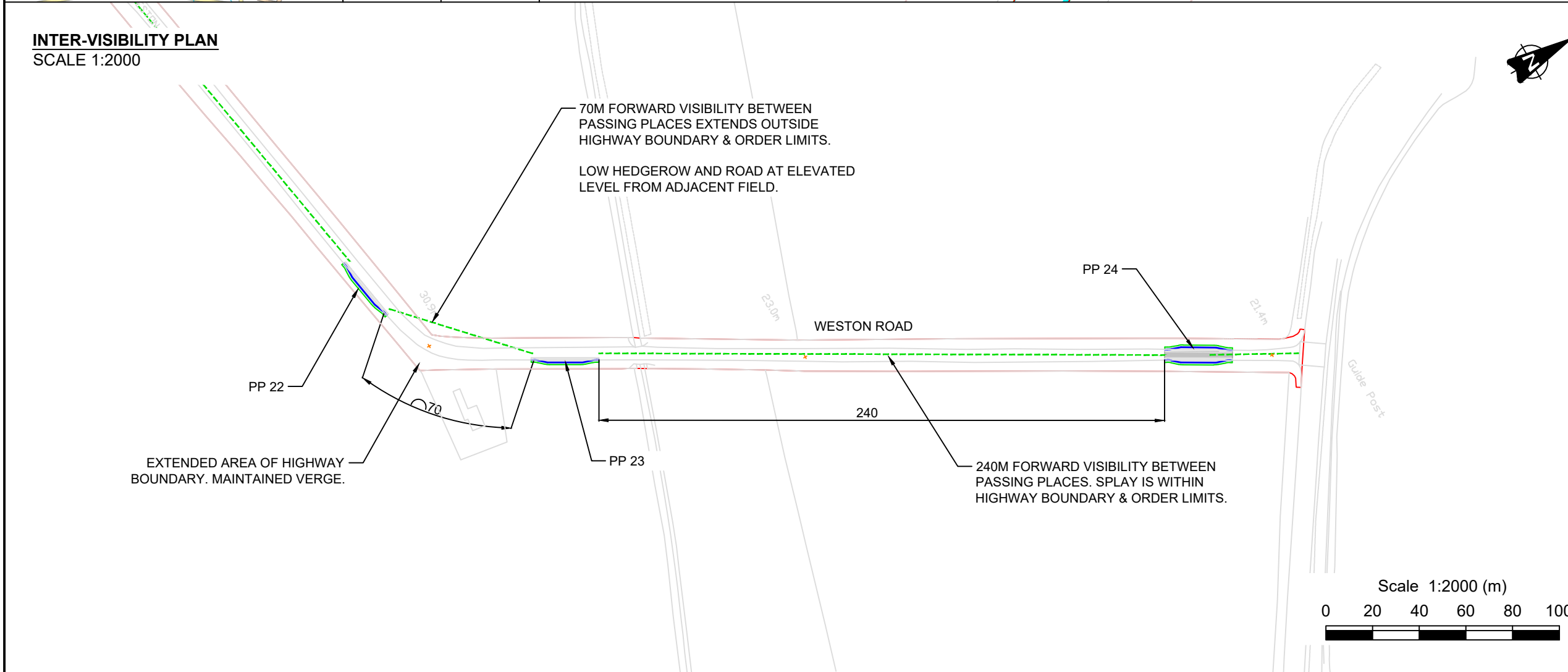
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VEHICLE USED FOR SWEEP PATH



Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Overall Body Height	0.341m
Min Body Ground Clearance	2.471m
Track Width	6.00s
Lock to lock time	11.550m
Kerb to Kerb Turning Radius	

**INTER-VISIBILITY PLAN
SCALE 1:2000**



A	09.04.26	LAYOUT UPDATED TO PROVIDE DISTANCES BETWEEN PASSING PLACES	JP	SE	SE
Rev	Date	Revision details	Drawn	Checked	Approved

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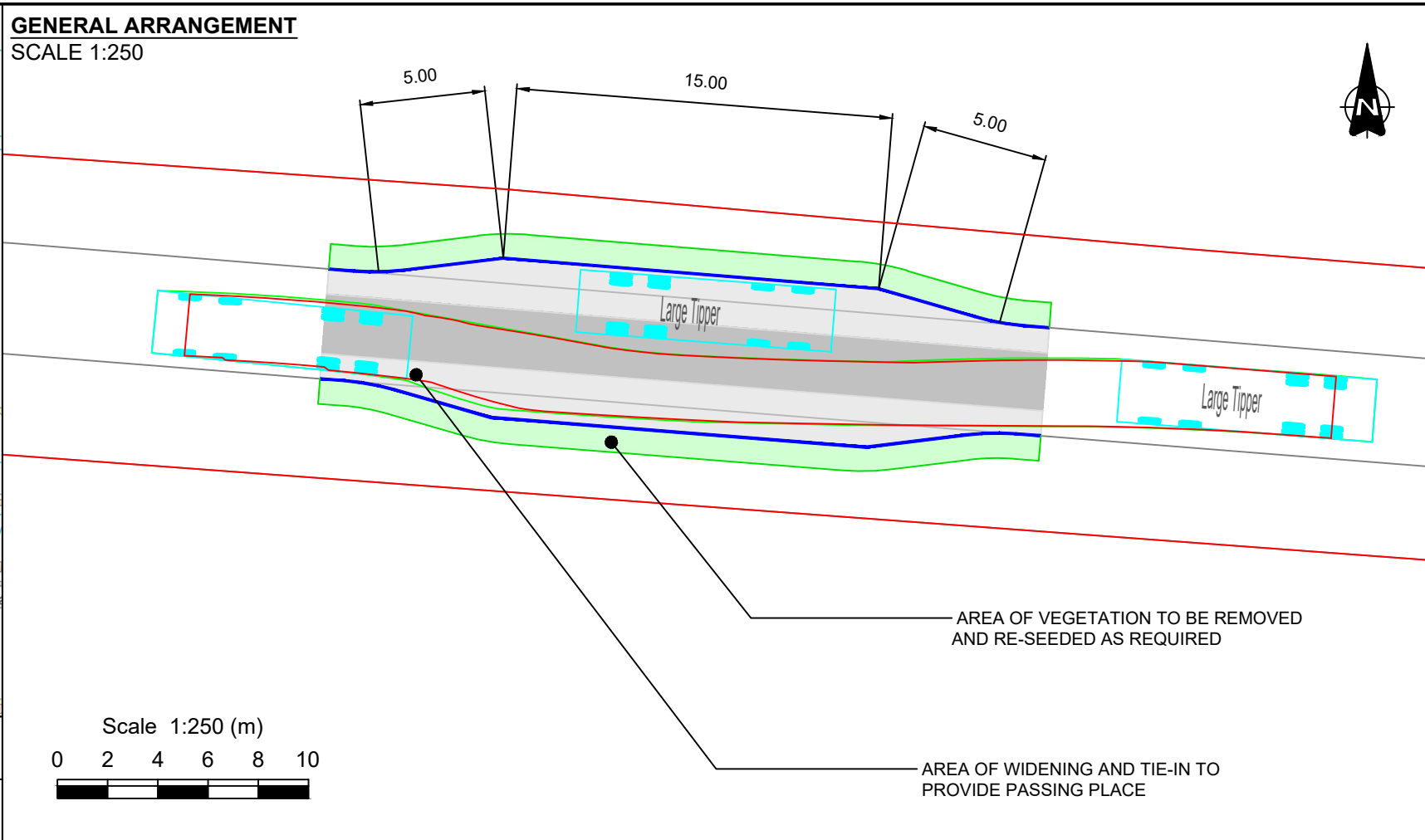
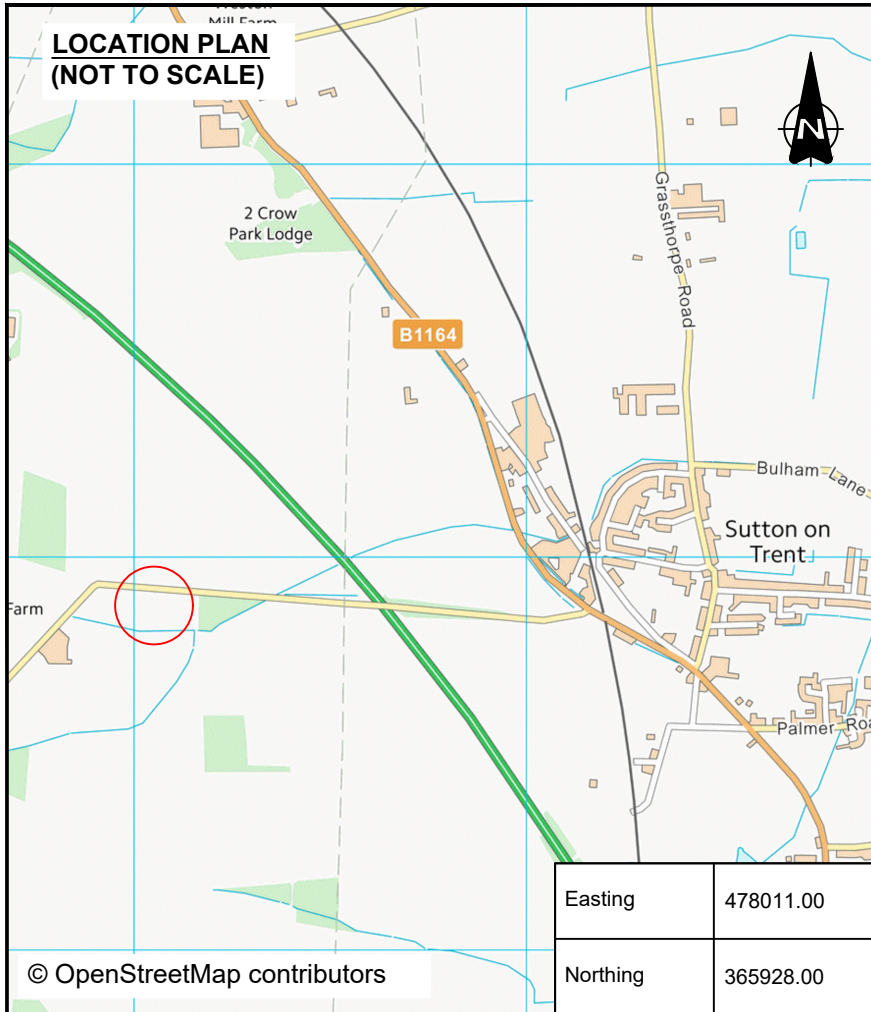
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E uk_newcastle@systra.com

Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 23

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK223	Rev.	A



NOTES

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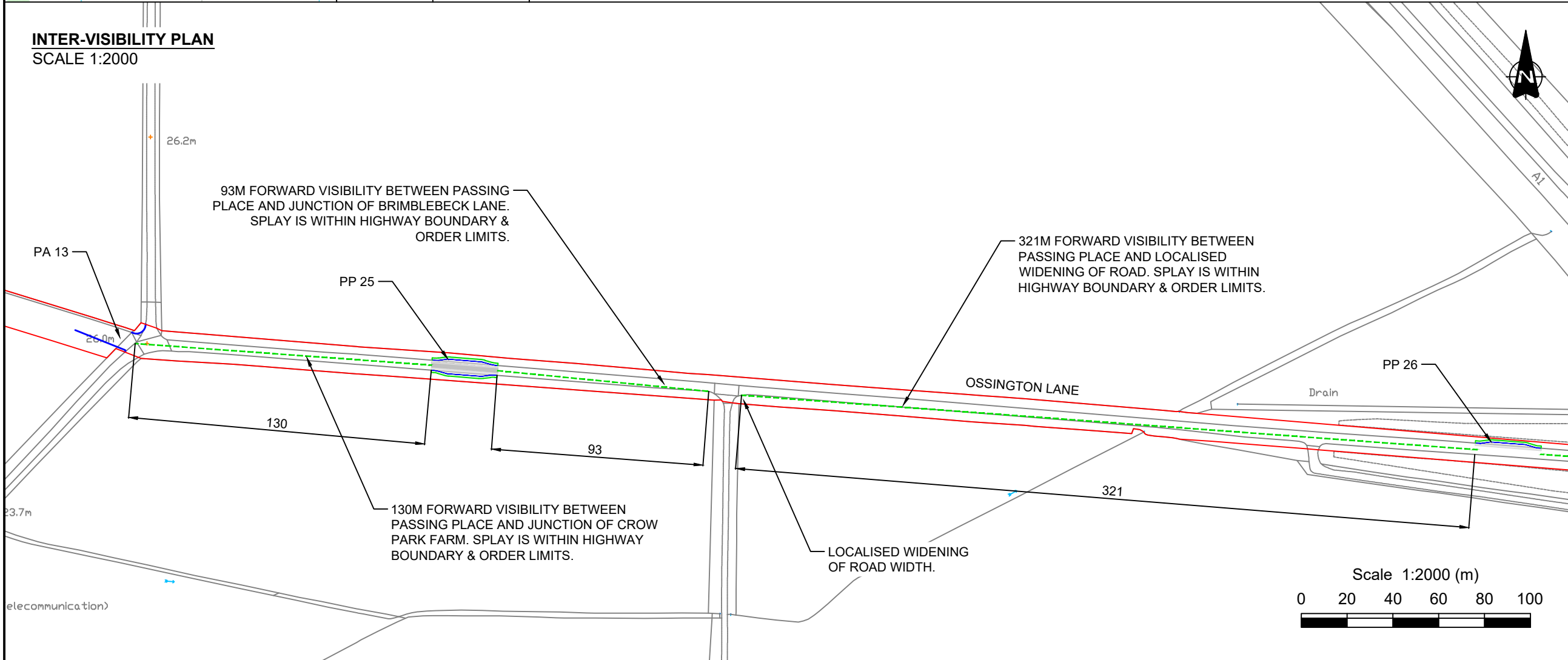
KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require
- Proposed new surface course
- Inter-visibility lines

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VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



Rev	Date	Revision details	Drawn	Checked	Approved
A	09.04.26	LAYOUT UPDATED TO PROVIDE DISTANCES BETWEEN PASSING PLACES	JP	SE	SE

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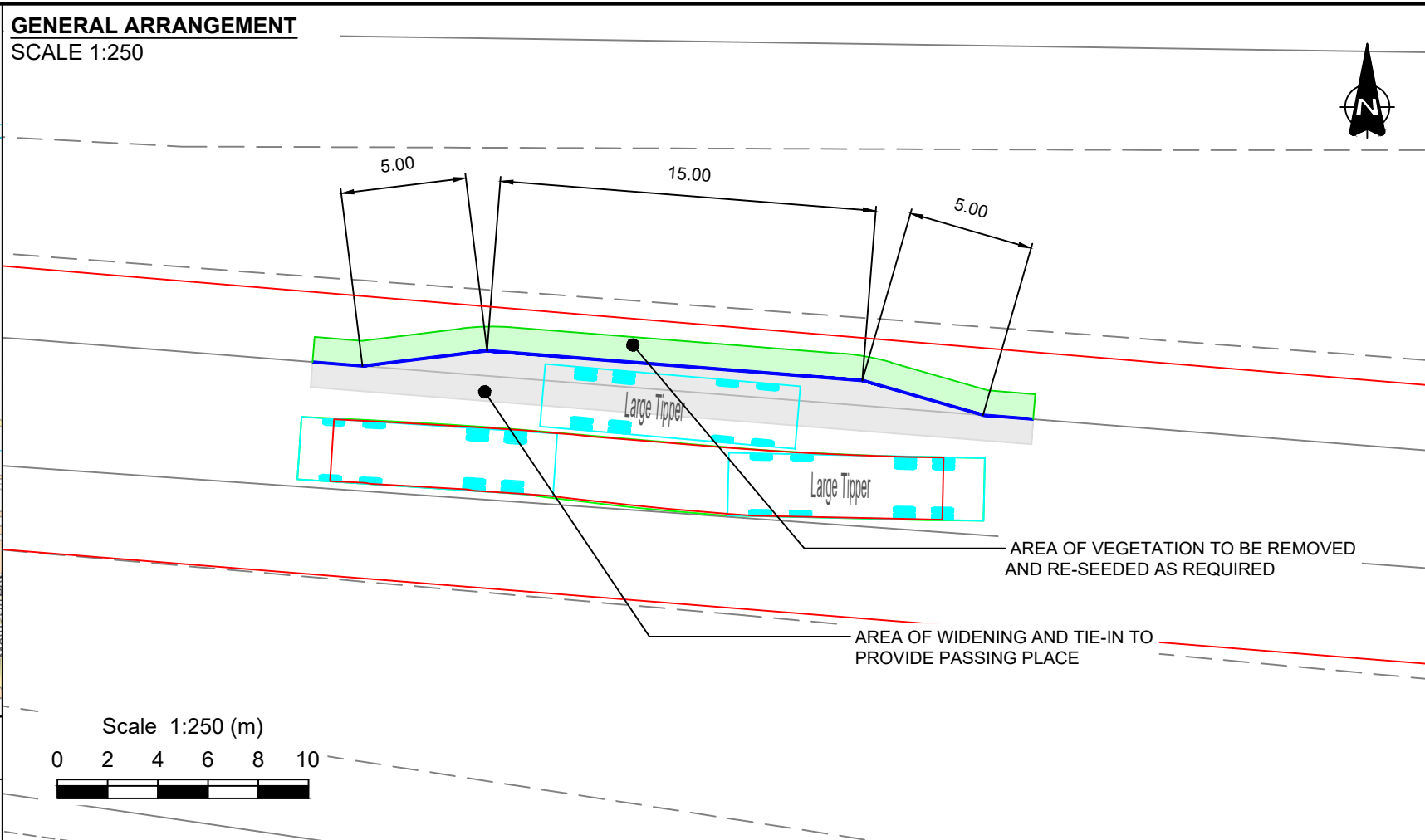
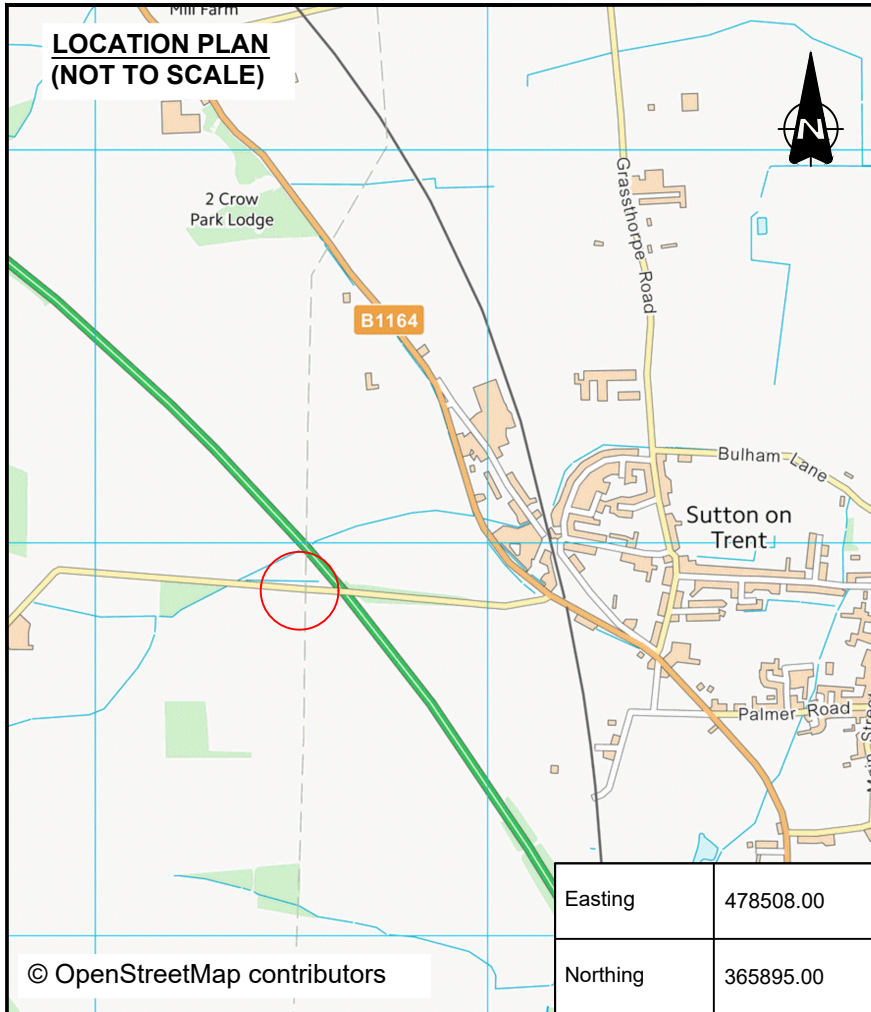
T 0191 249 3816
E uk_newcastle@systra.com

Client: ELEMENTS GREEN TRENT LTD.

Project: GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title: PROPOSED PASSING PLACE LOCATION 25

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK225	Rev.	A



NOTES

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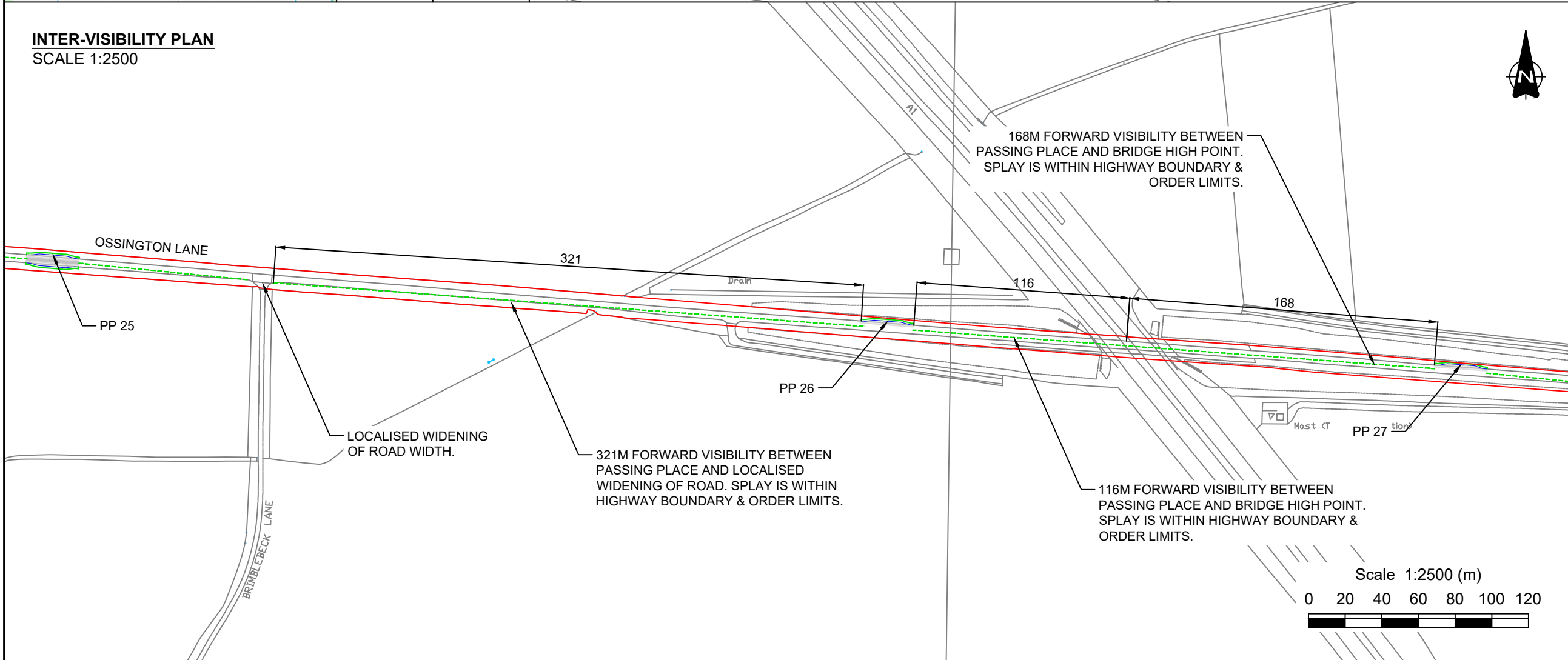
KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Inter-visibility lines

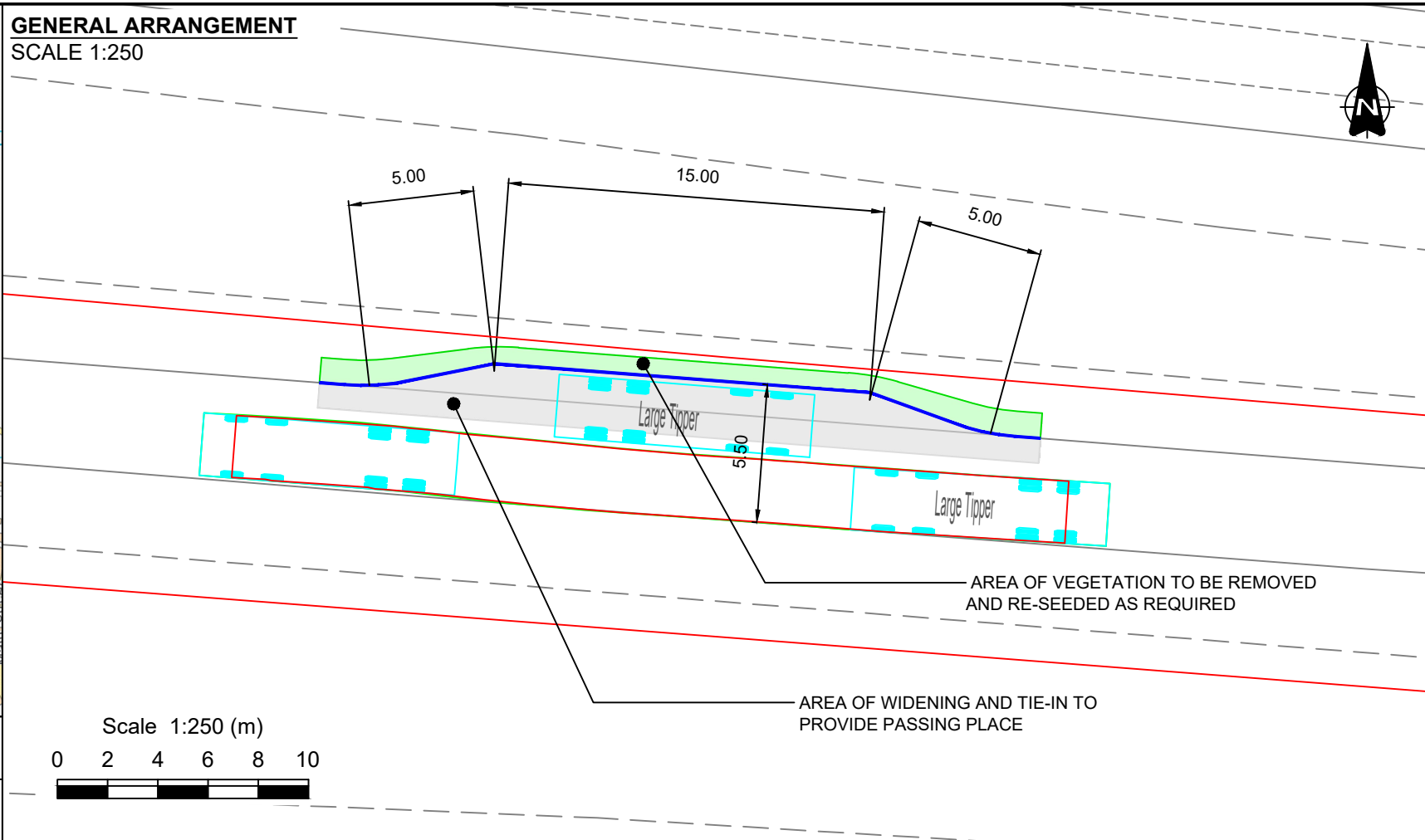
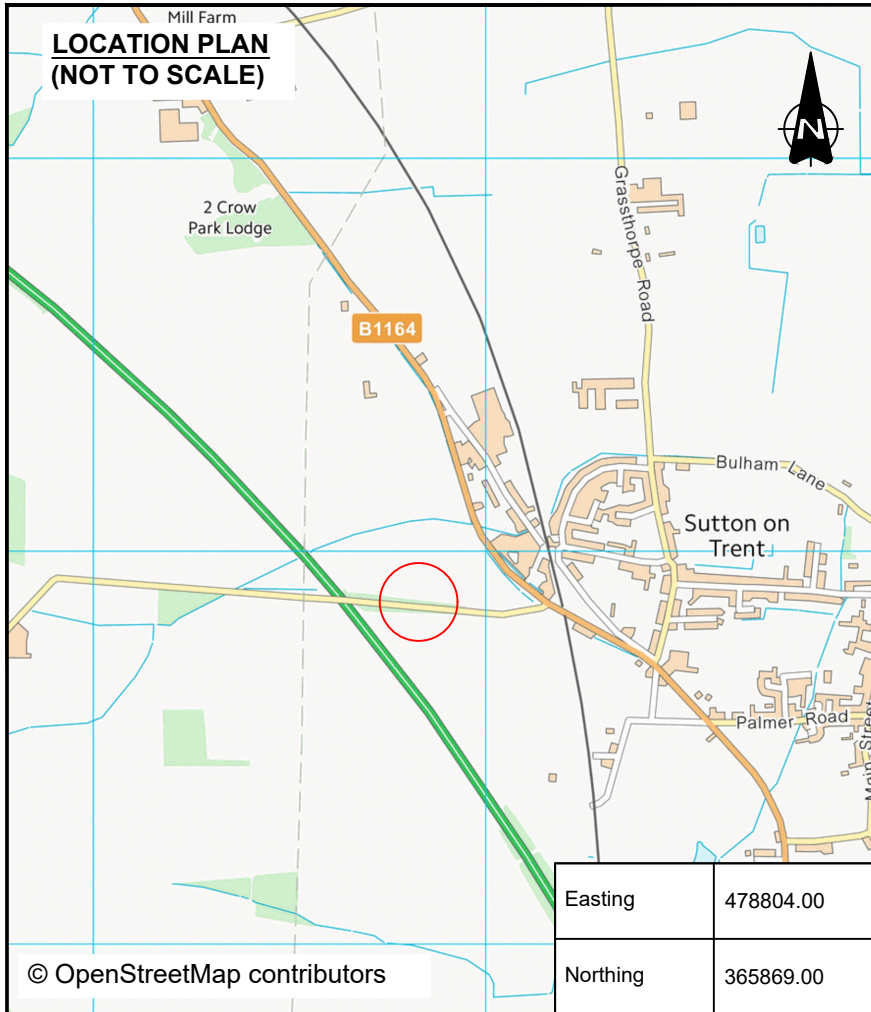
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VEHICLE USED FOR SWEEP PATH

Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



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Client	ELEMENTS GREEN TRENT LTD.			
Project	GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK			
Title	PROPOSED PASSING PLACE LOCATION 26			
Drawn	FW	Checked	JH	Approved
Original dwg. size	A3	Date	21.05.25	Scale
Drawing Status	INFORMATION	Drawing Number	23D07-SK226	Rev.
				A



NOTES

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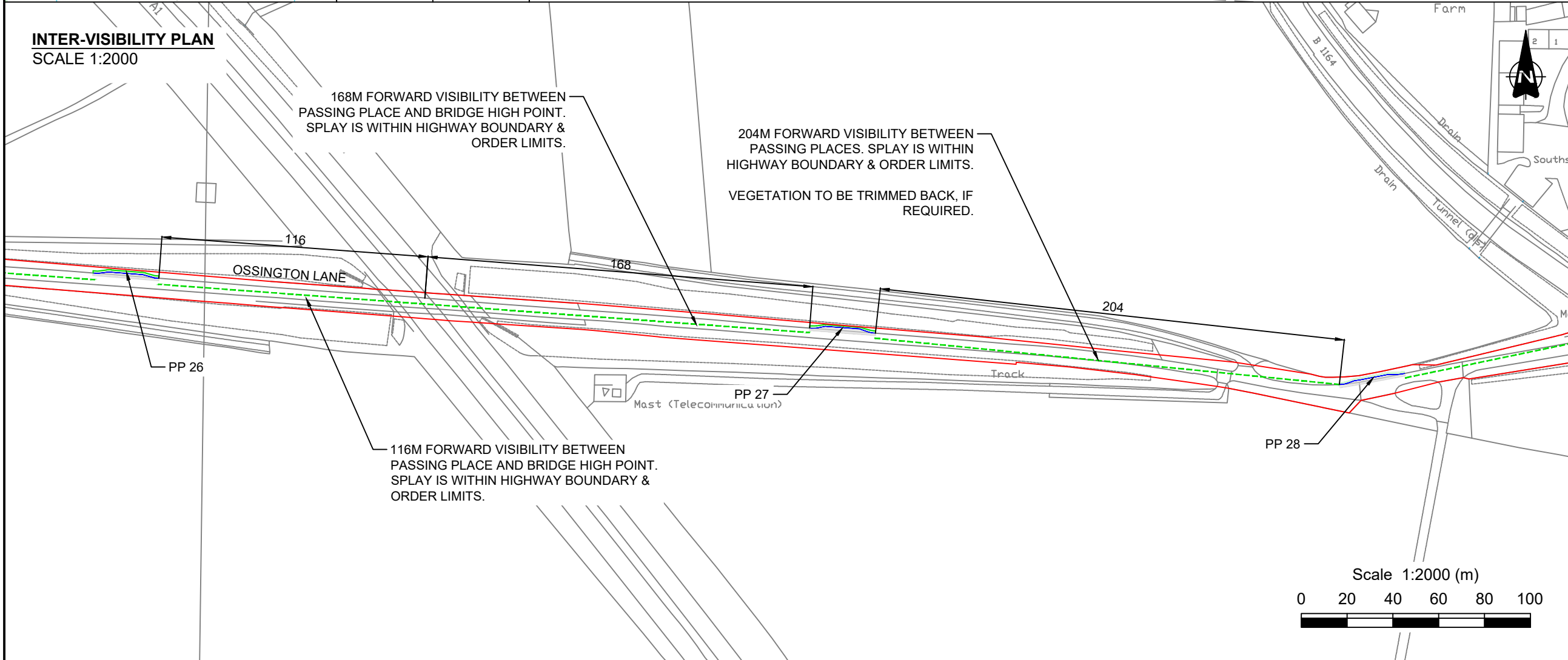
KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Inter-visibility lines

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VEHICLE USED FOR SWEEP PATH

Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Overall Body Height	0.341m
Min Body Ground Clearance	2.471m
Track Width	6.00s
Look to lock time	11.550m
Kerb to Kerb Turning Radius	



Rev	Date	Revision details	Drawn	Checked	Approved
A	09.04.26	LAYOUT UPDATED TO PROVIDE DISTANCES BETWEEN PASSING PLACES	JP	SE	SE

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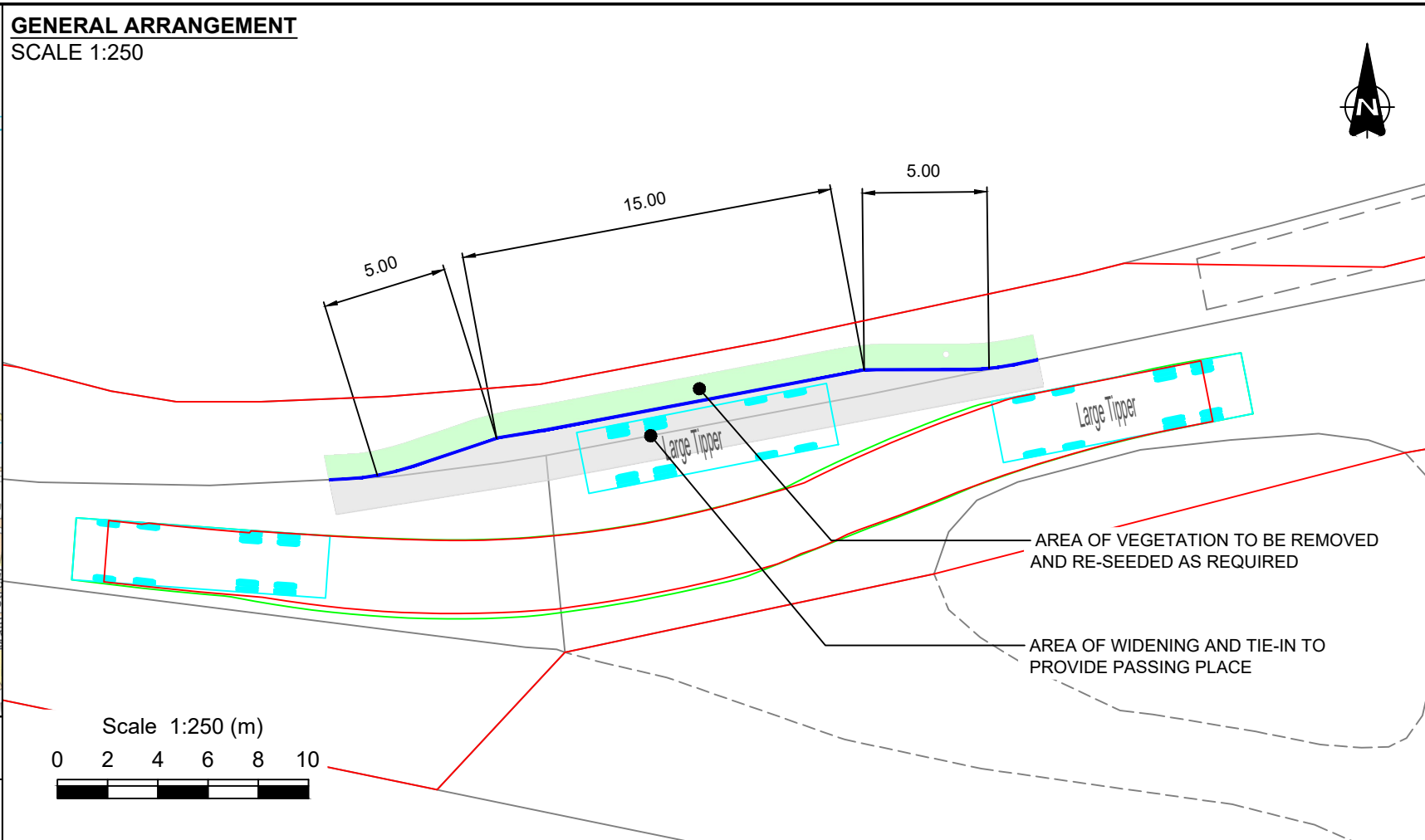
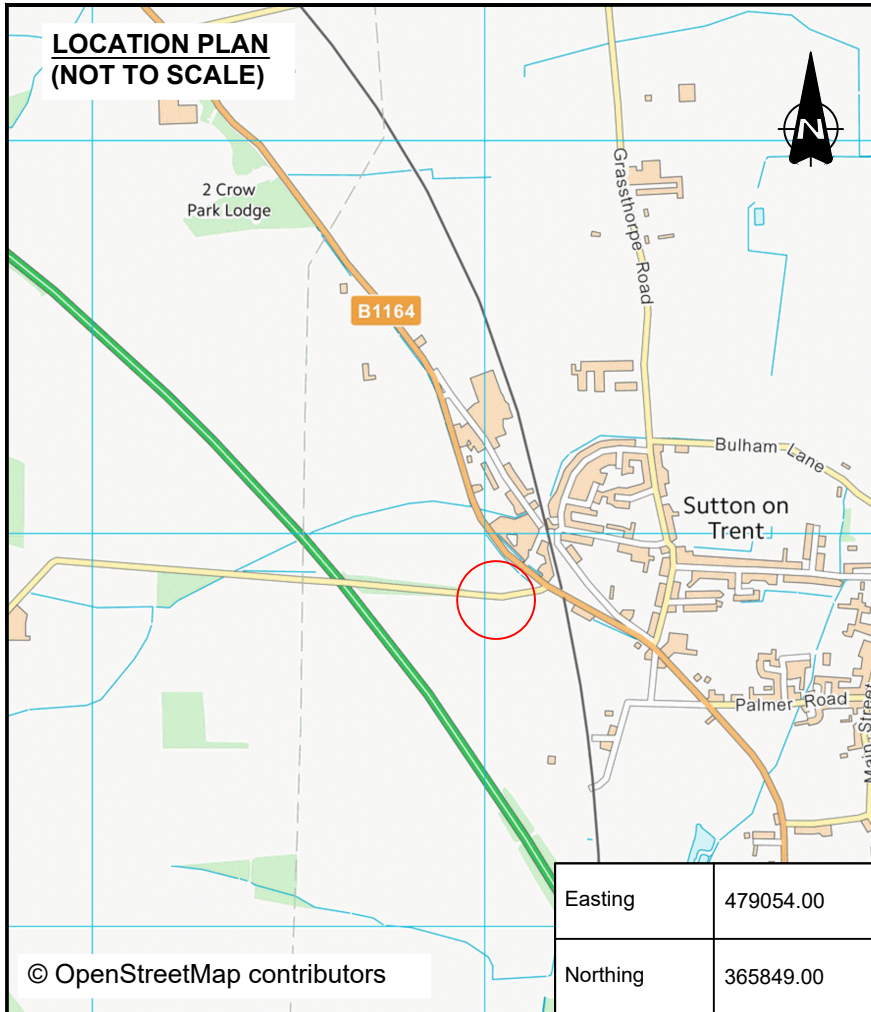
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Client: ELEMENTS GREEN TRENT LTD.

Project: GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title: PROPOSED PASSING PLACE LOCATION 27

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK227	Rev.	A



NOTES

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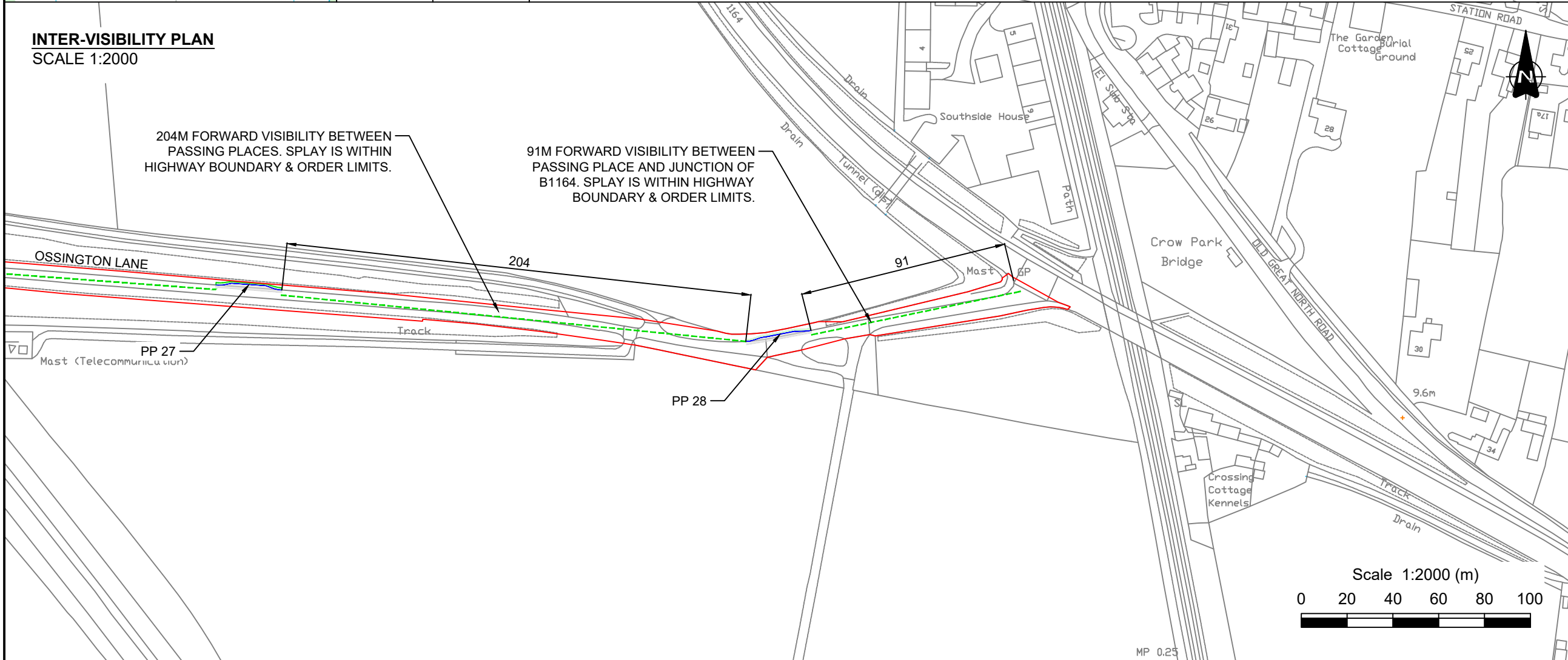
KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require
- Inter-visibility lines

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VEHICLE USED FOR SWEEP PATH

Large Tipper
 Overall Length 10.201m
 Overall Width 2.495m
 Overall Body Height 2.890m
 Min Body Ground Clearance 0.341m
 Track Width 2.471m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 11.550m



A	09.04.26	LAYOUT UPDATED TO PROVIDE DISTANCES BETWEEN PASSING PLACES	JP	SE	SE
Rev	Date	Revision details	Drawn	Checked	Approved

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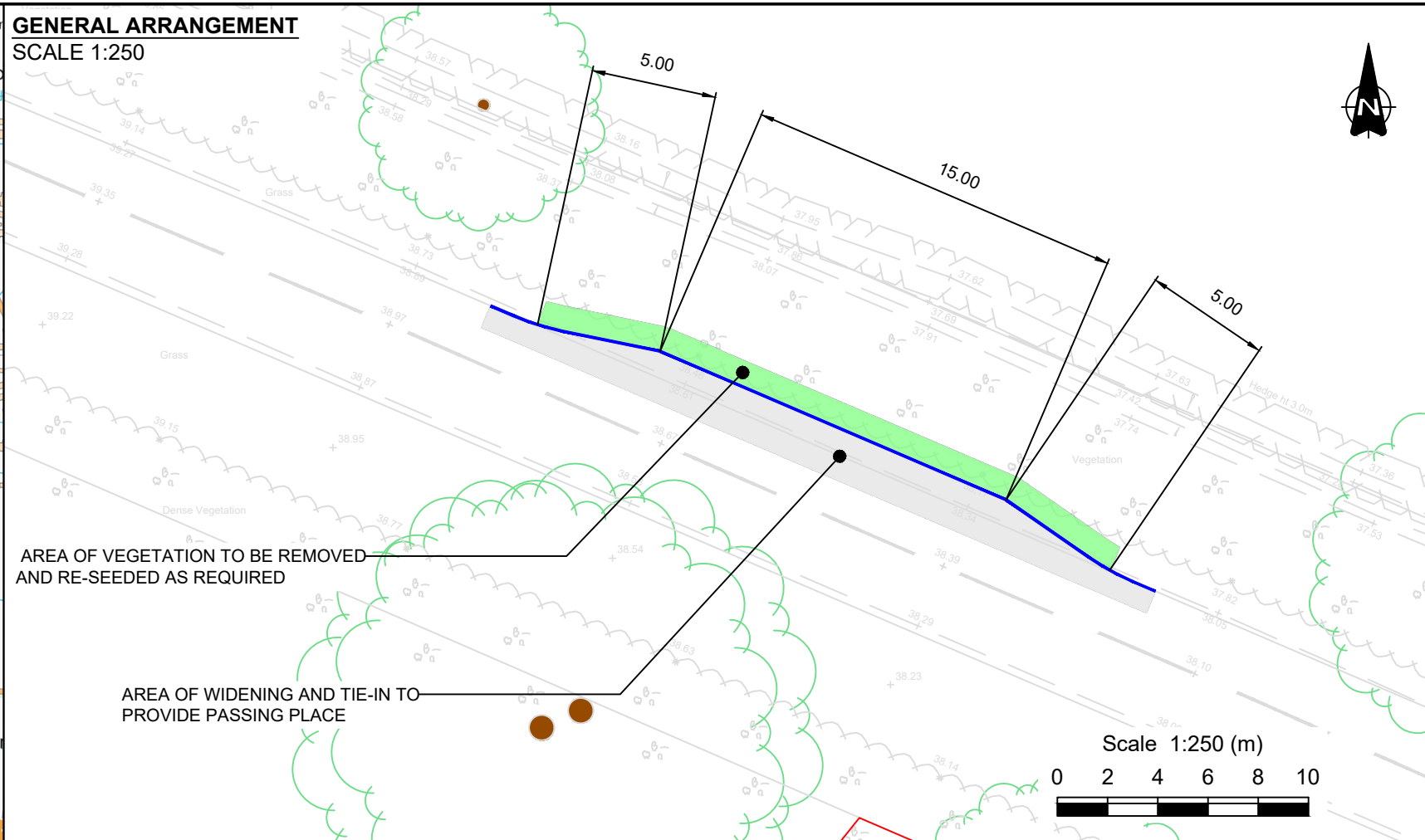
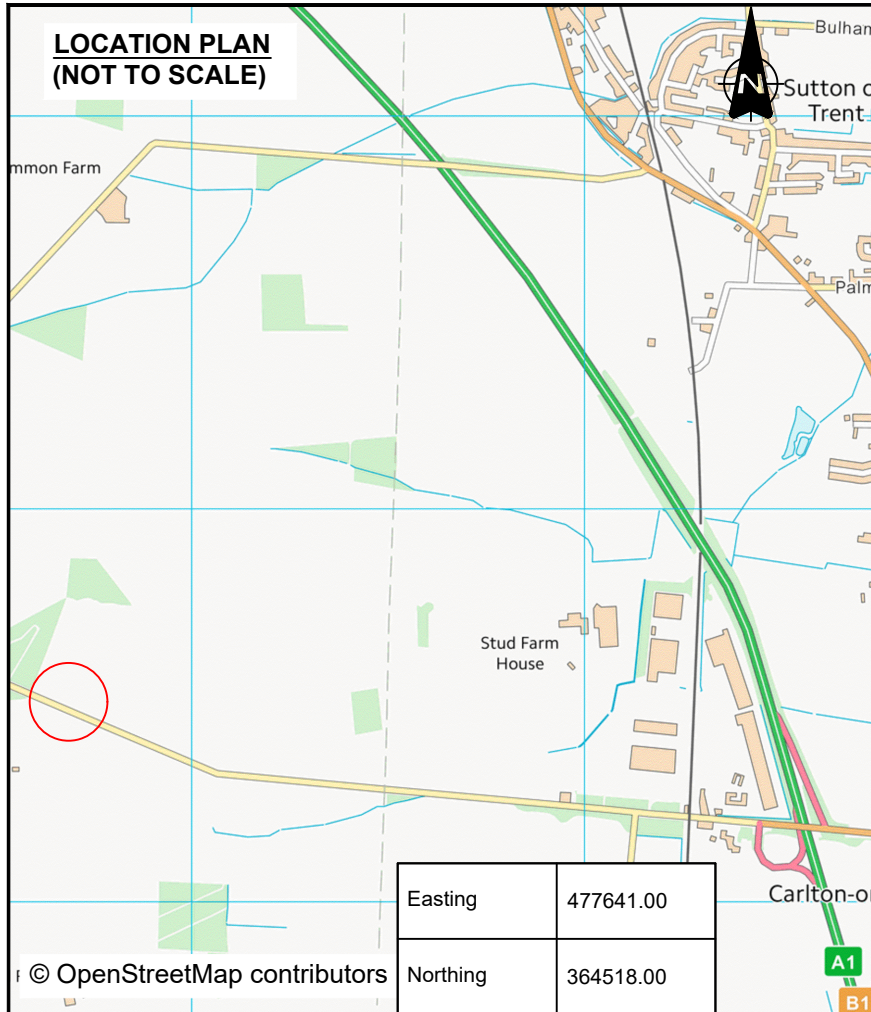
T 0191 249 3816
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Client
ELEMENTS GREEN TRENT LTD.

Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 28

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK228	Rev.	A



NOTES

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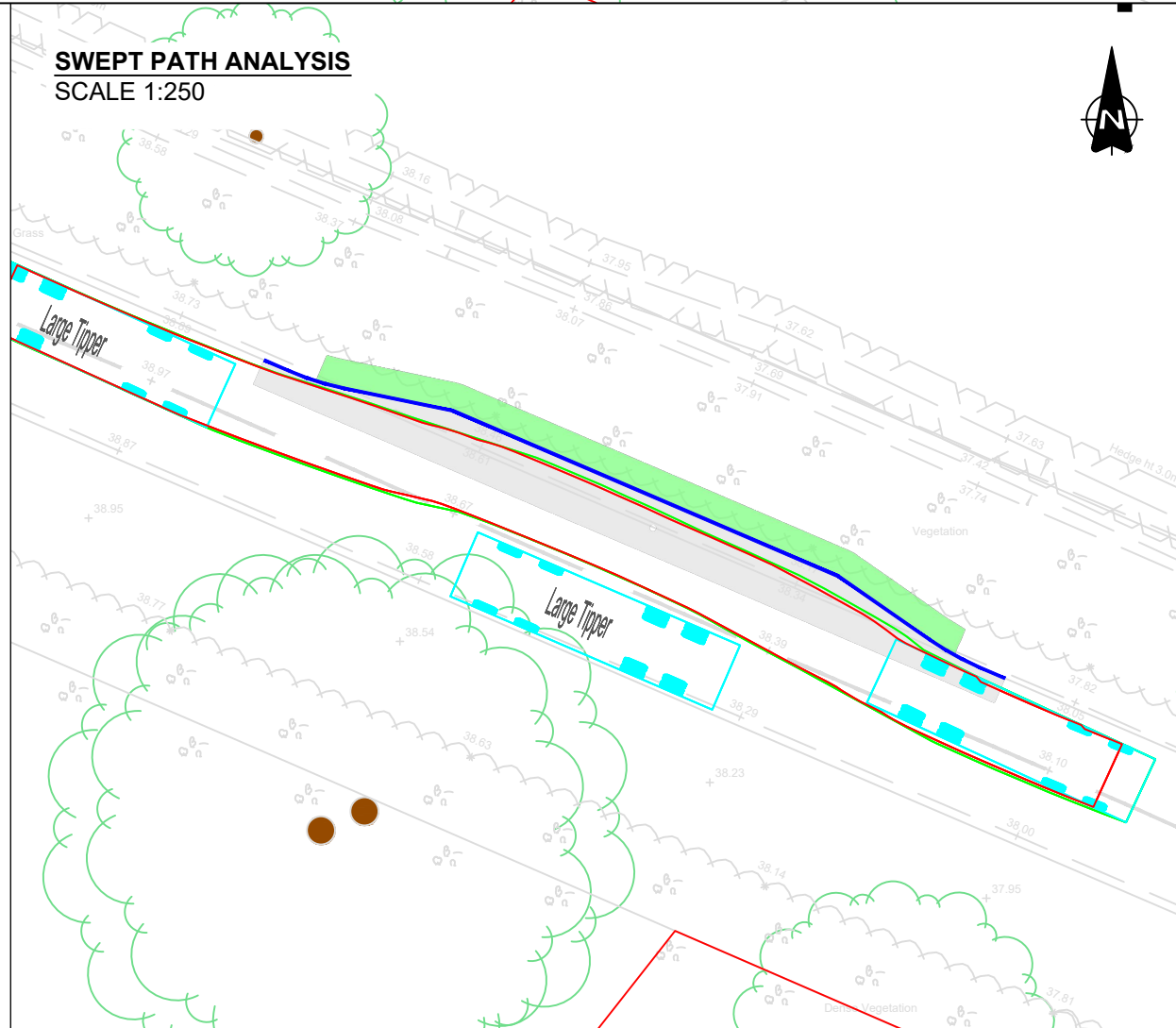
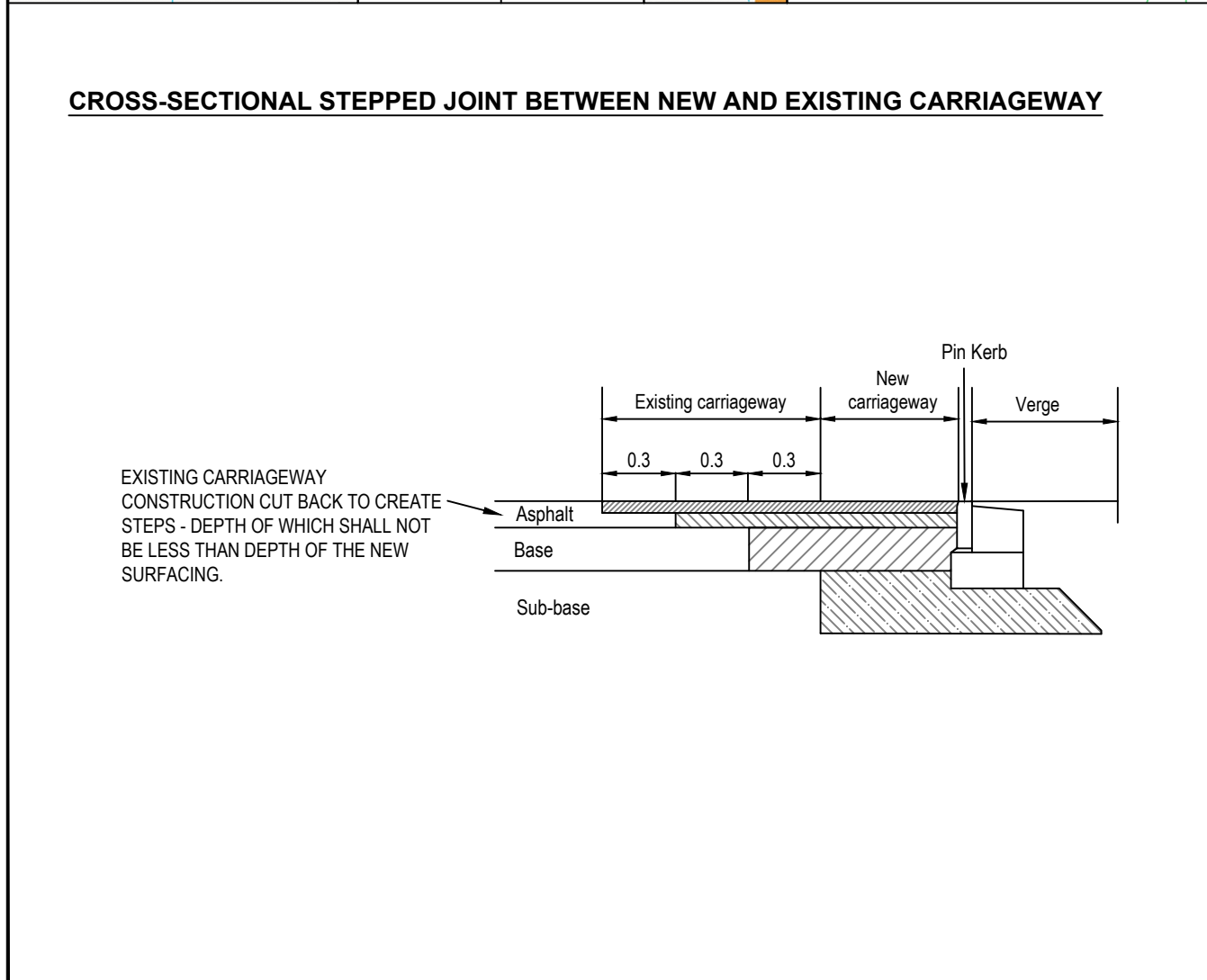
KEY

- Proposed Kerblines
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

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VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



Rev	Date	Revision details	Drawn	Checked	Approved

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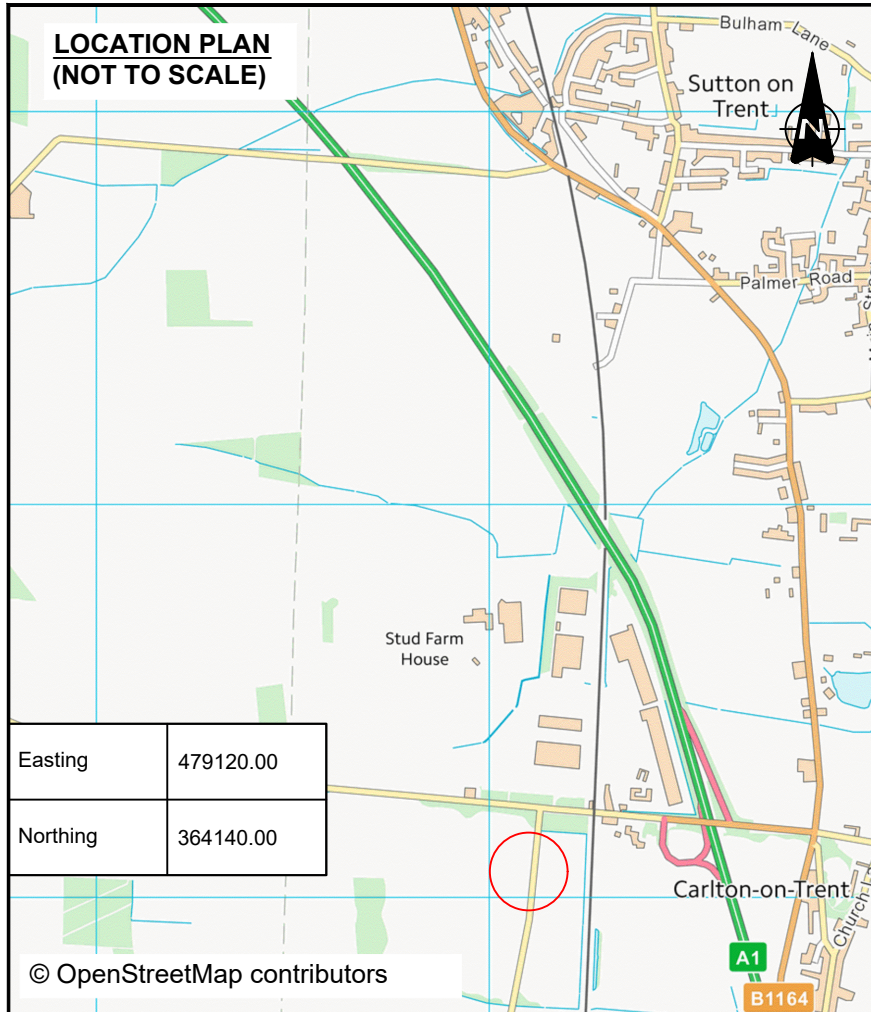
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Client
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Project
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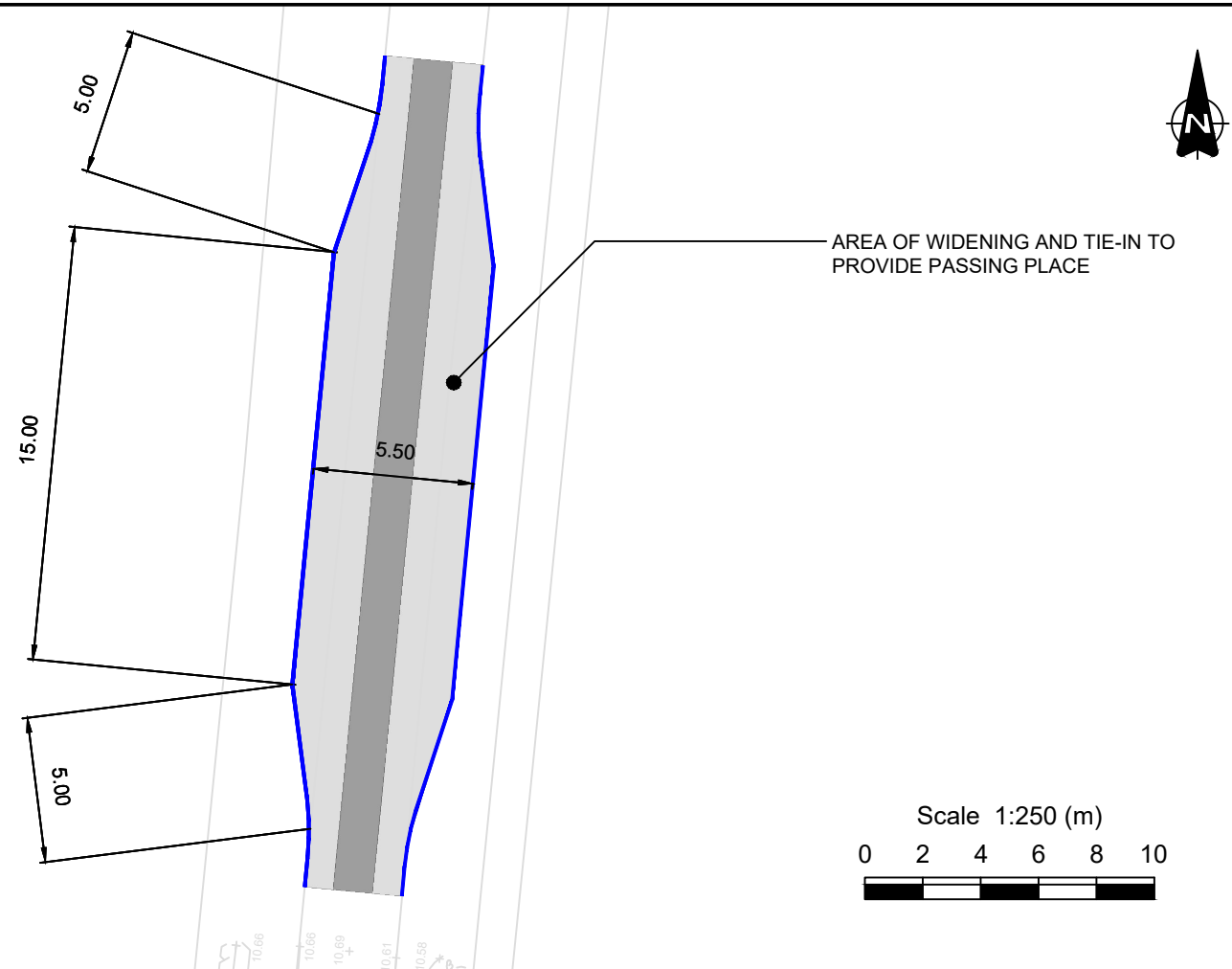
Title
PROPOSED PASSING PLACE LOCATION 29

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK229	Rev.	



GENERAL ARRANGEMENT

SCALE 1:250



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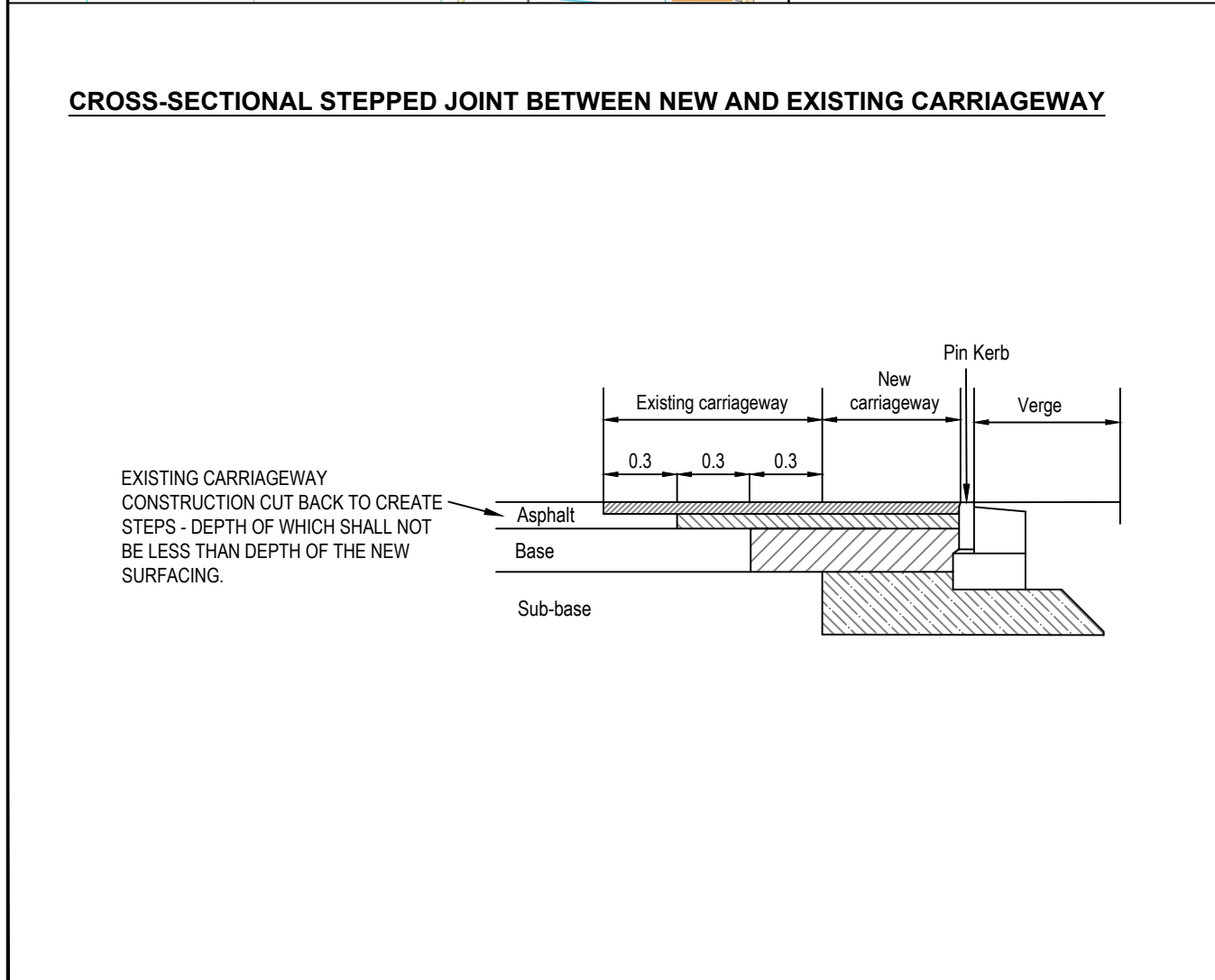
KEY

- Proposed Kerbline
- Proposed Carriageway Widening
- Proposed new surface course

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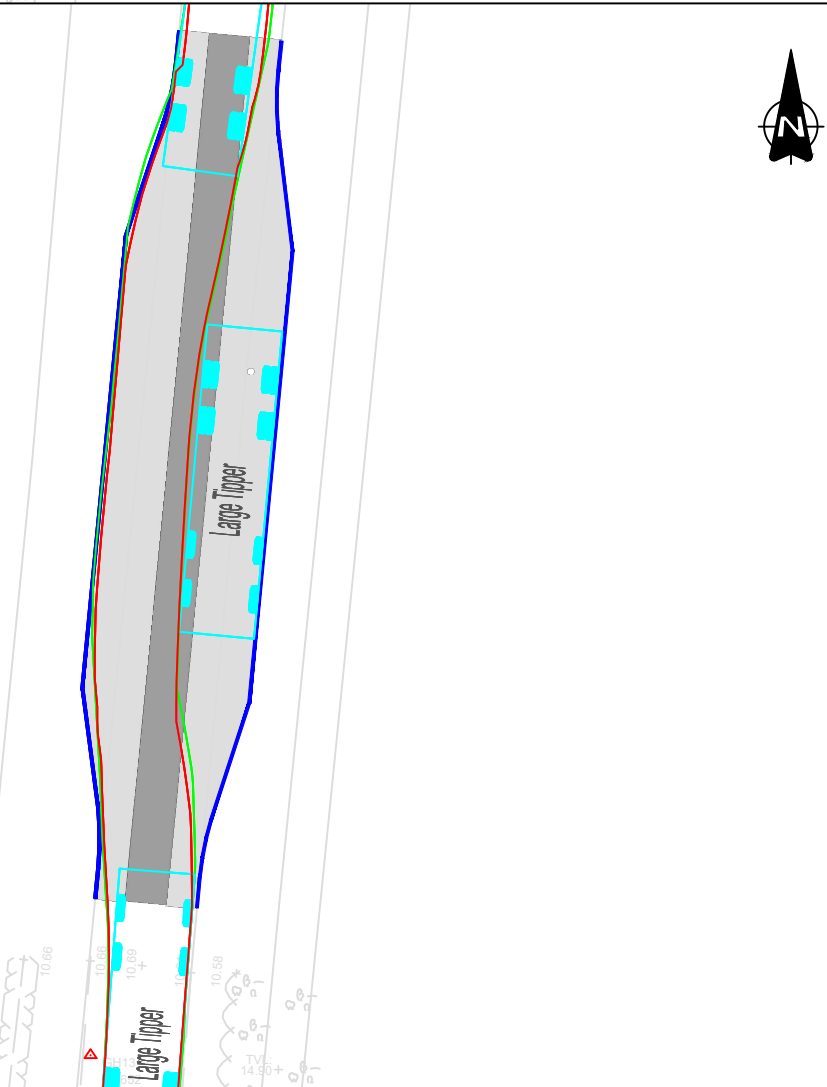
VEHICLE USED FOR SWEEP PATH

Overall Length	10.201m
Overall Width	2.495m
Overall Body Height	2.890m
Min Body Ground Clearance	0.341m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.550m



SWEEP PATH ANALYSIS

SCALE 1:250



Rev.	Date	Revision details	Drawn	Checked	Approved

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Project
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title
PROPOSED PASSING PLACE LOCATION 30

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK230	Rev.	