

## **Great North Road Solar and Biodiversity Park**

Environmental Statement

Volume 4 - Technical Appendices

Technical Appendix A14.1 - Transport Statement - Part 7 of 9

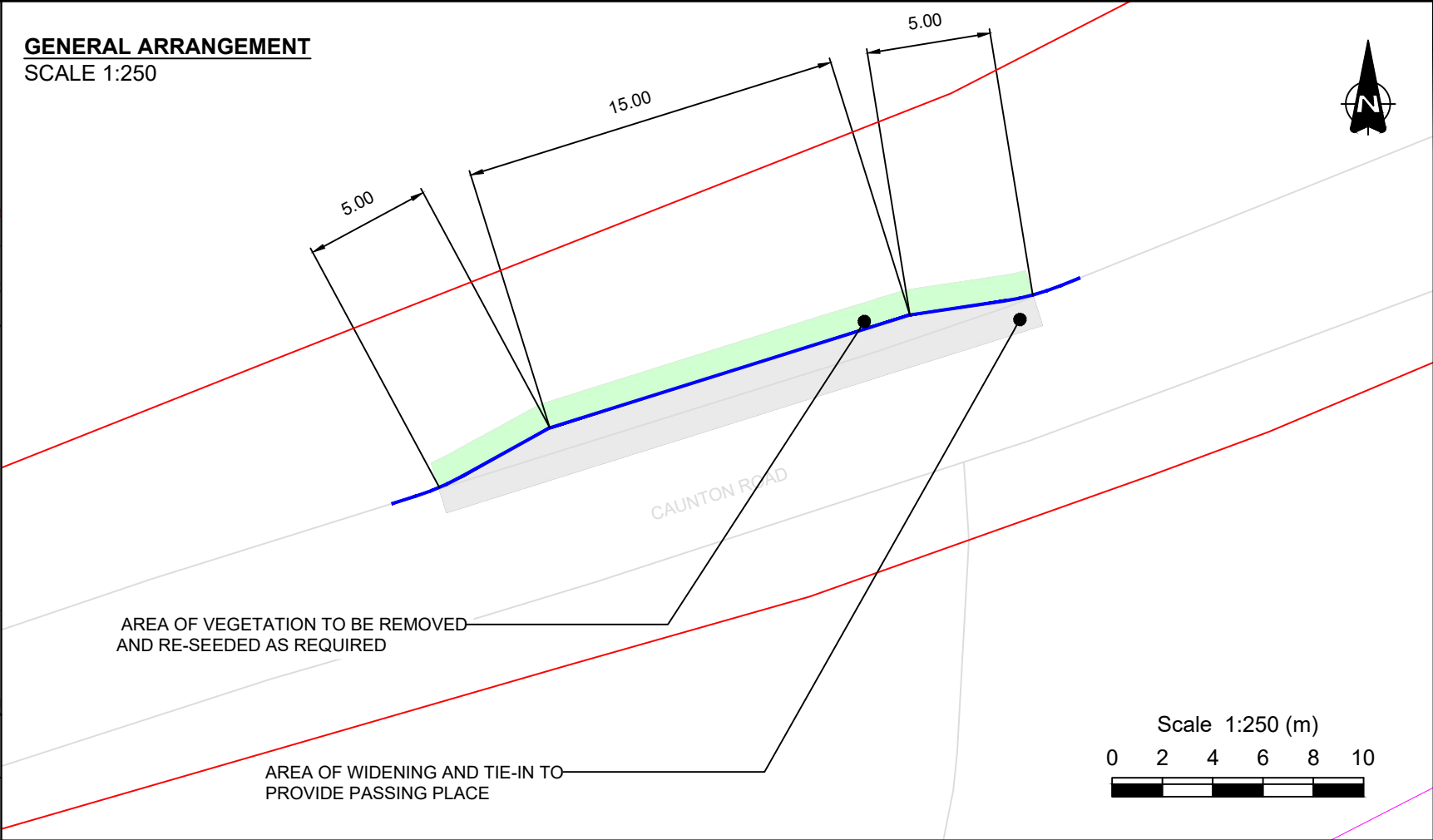
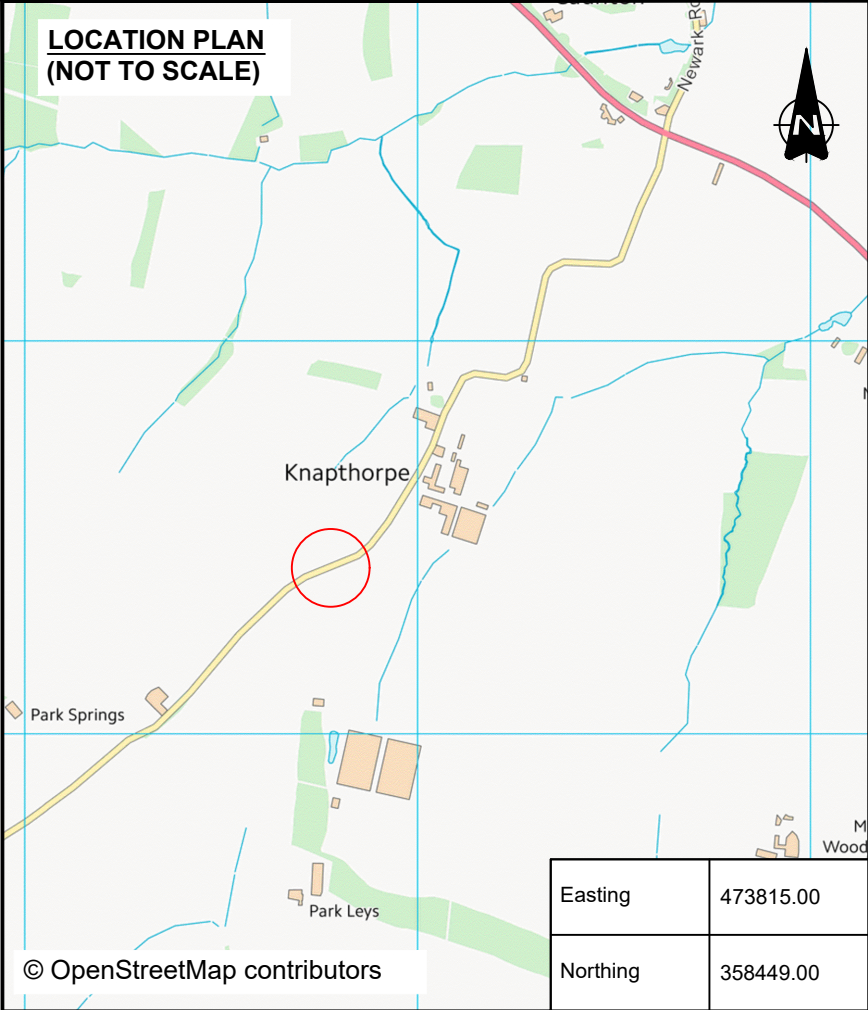
Document Reference - EN010162/APP/6.4.14.1

Revision number 1

June 2025

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

## **A14.1.13 APPENDIX E – PASSING PLACE DRAWINGS**



**NOTES**

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

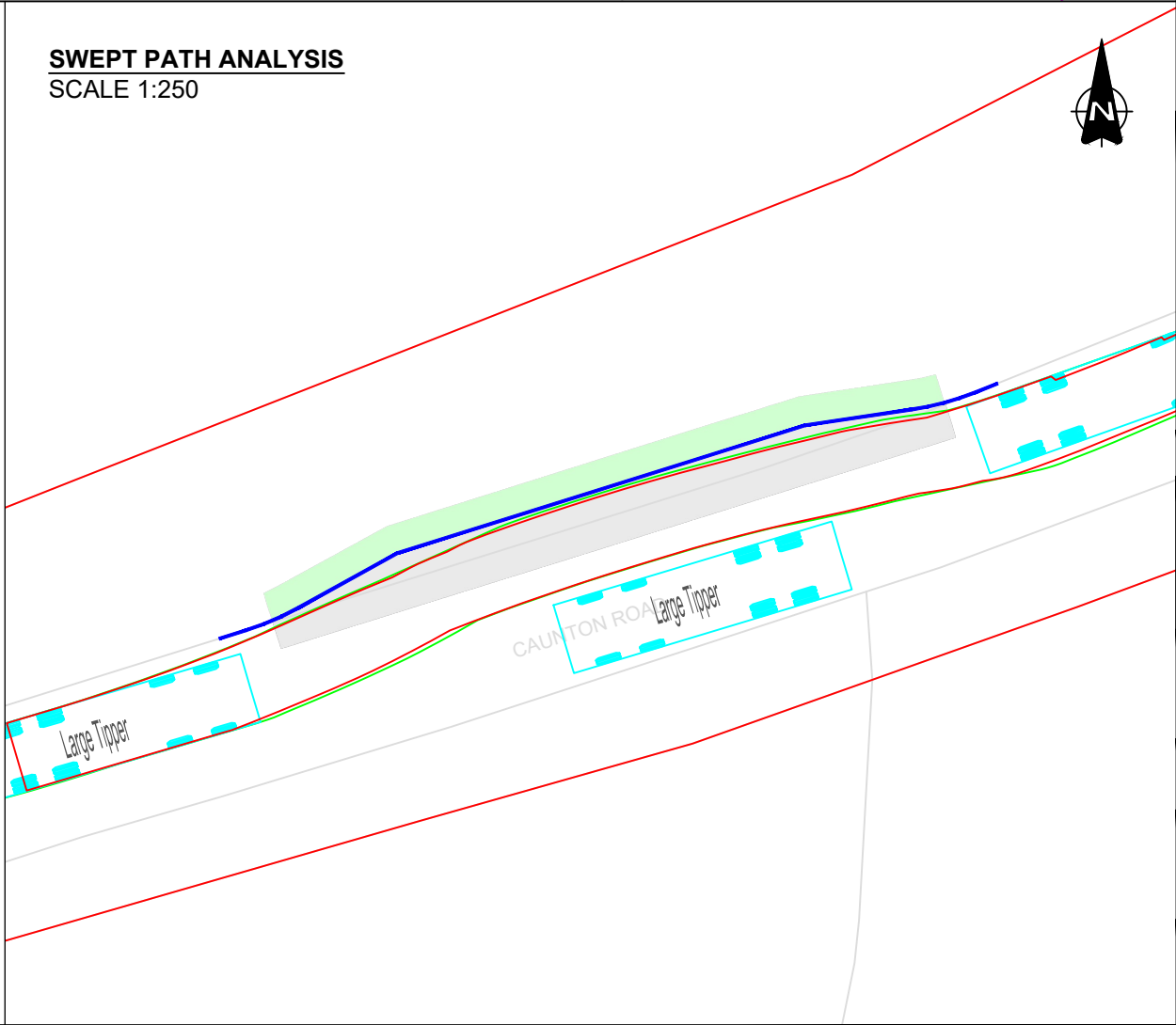
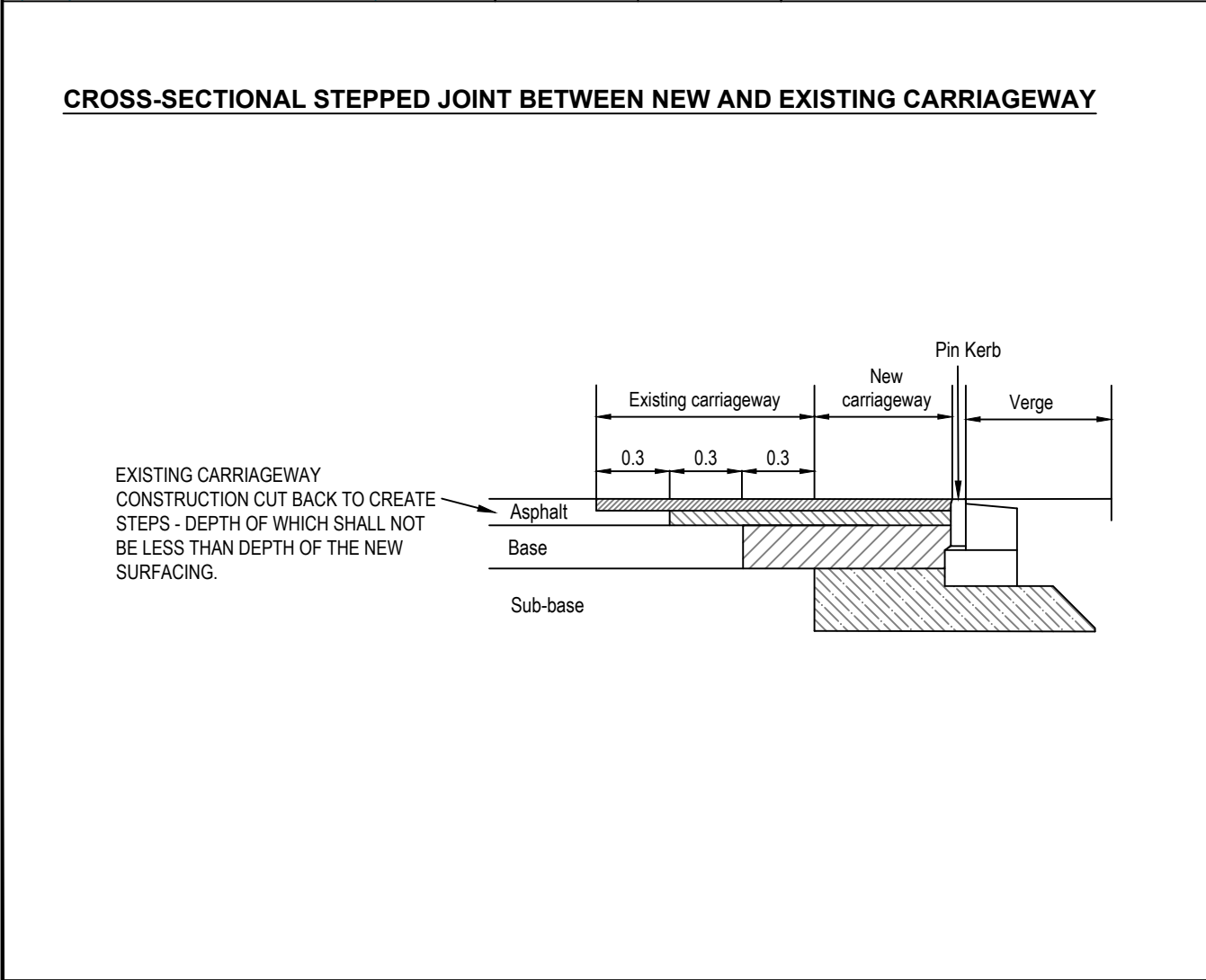
**KEY**

- 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**

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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Dean Street,  
Newcastle upon Tyne,  
NE1 1LE

T 0191 249 3816  
E uk\_newcastle@systra.com

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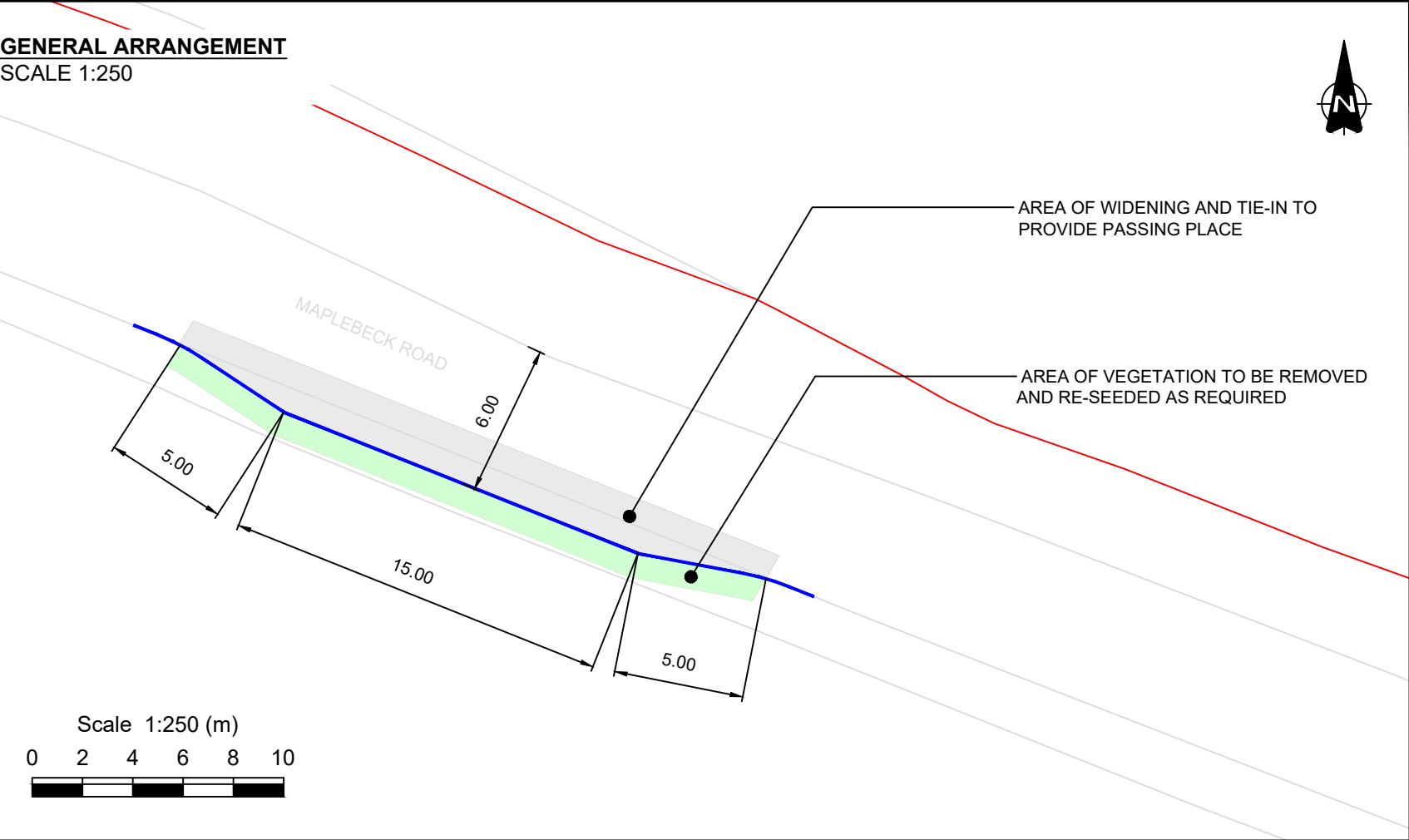
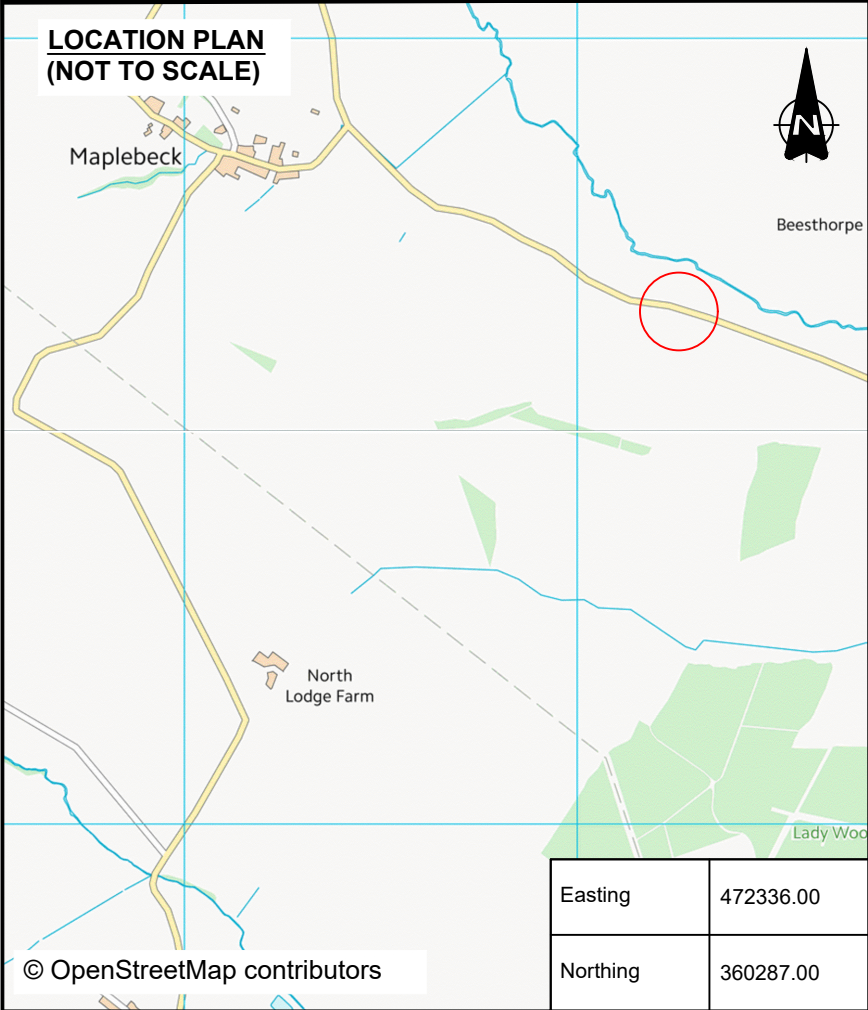
Project

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.



**NOTES**

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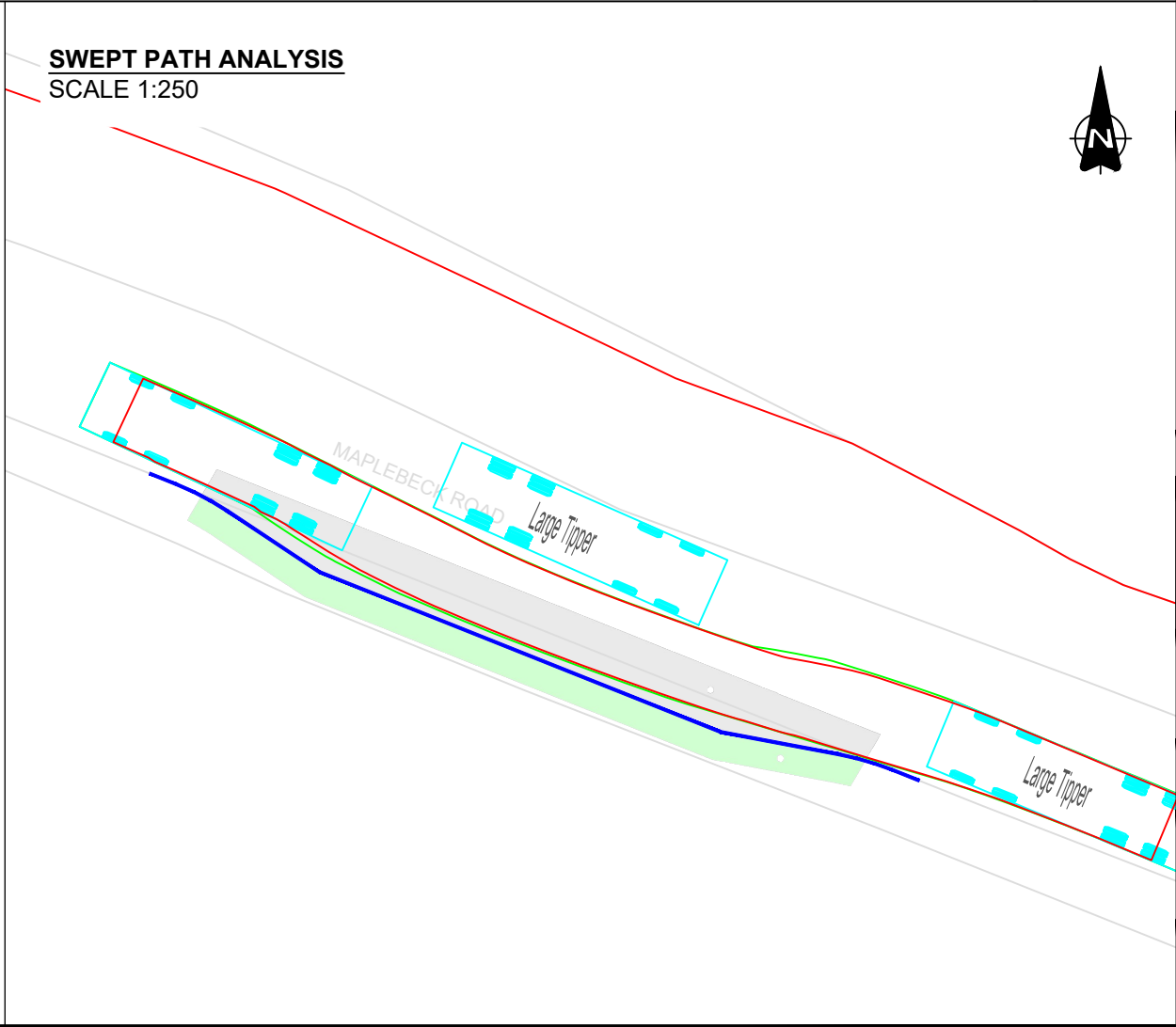
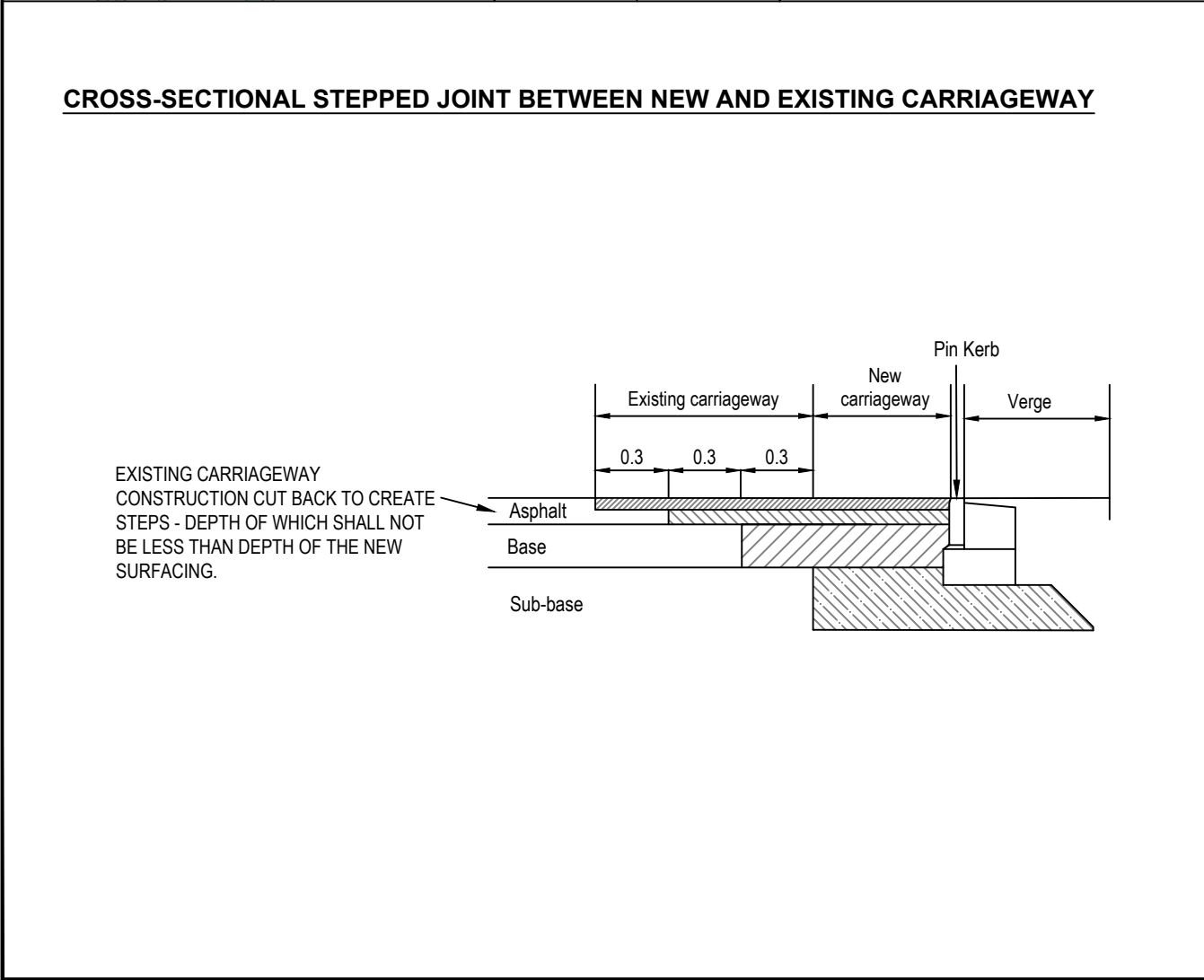
**KEY**

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**VEHICLE USED FOR SWEEP PATH**

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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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T 0191 249 3816  
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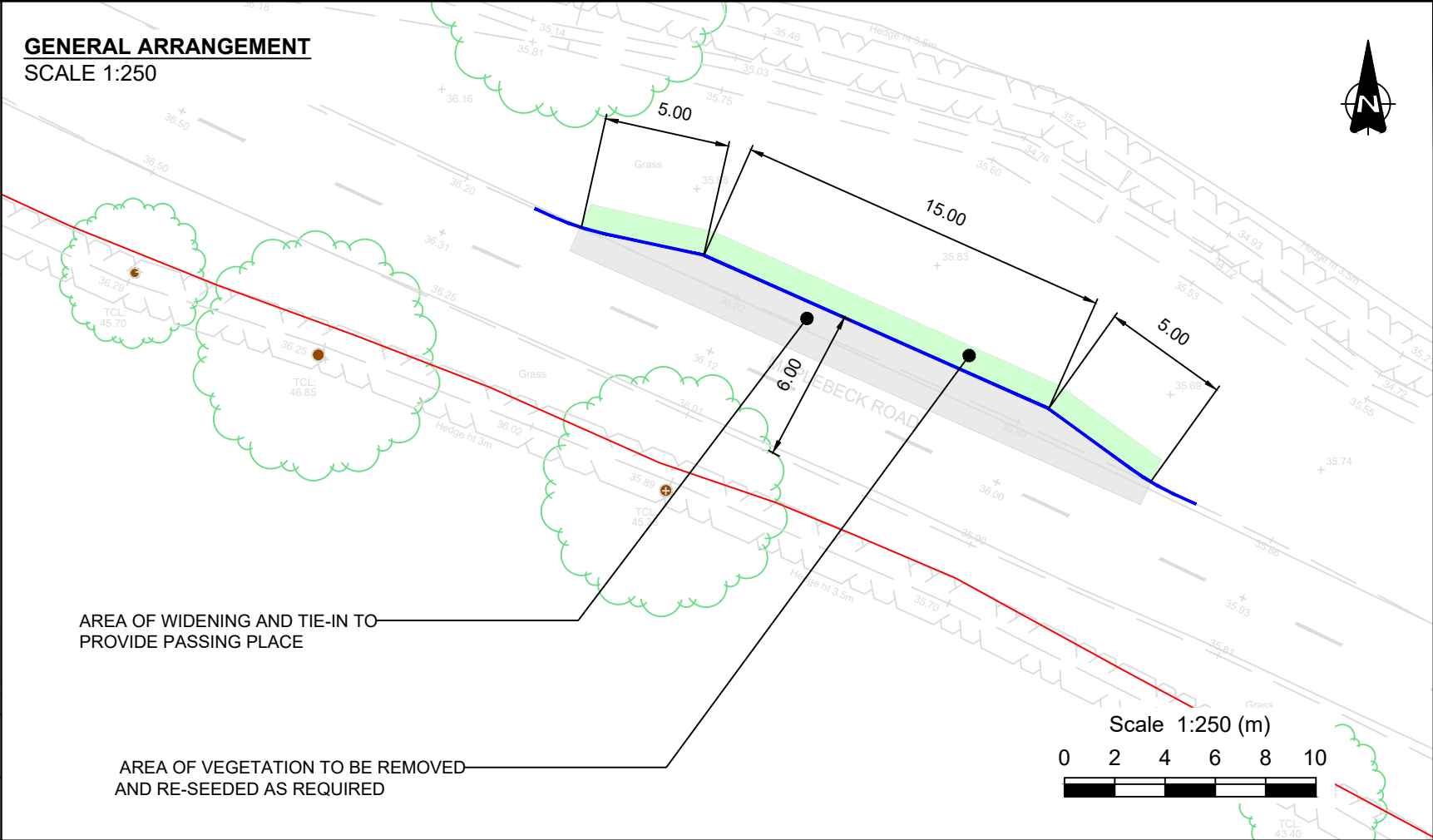
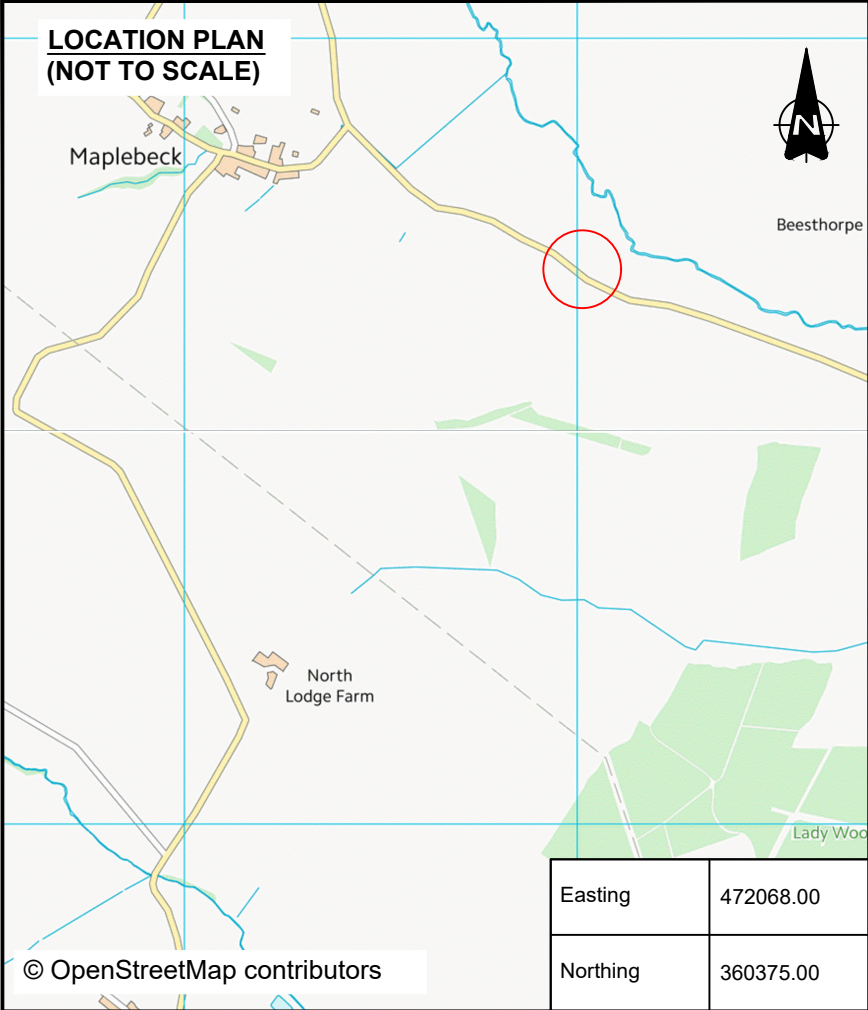
Client  
ELEMENTS GREEN TRENT LTD.

Project  
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title  
PROPOSED PASSING PLACE  
LOCATION 2

Drawn FW	Checked JH	Approved SE
Original dwg. size A3	Date 21.05.25	Scale AS SHOWN
Drawing Status INFORMATION		Rev. Drawing Number 23D07-SK202





**NOTES**

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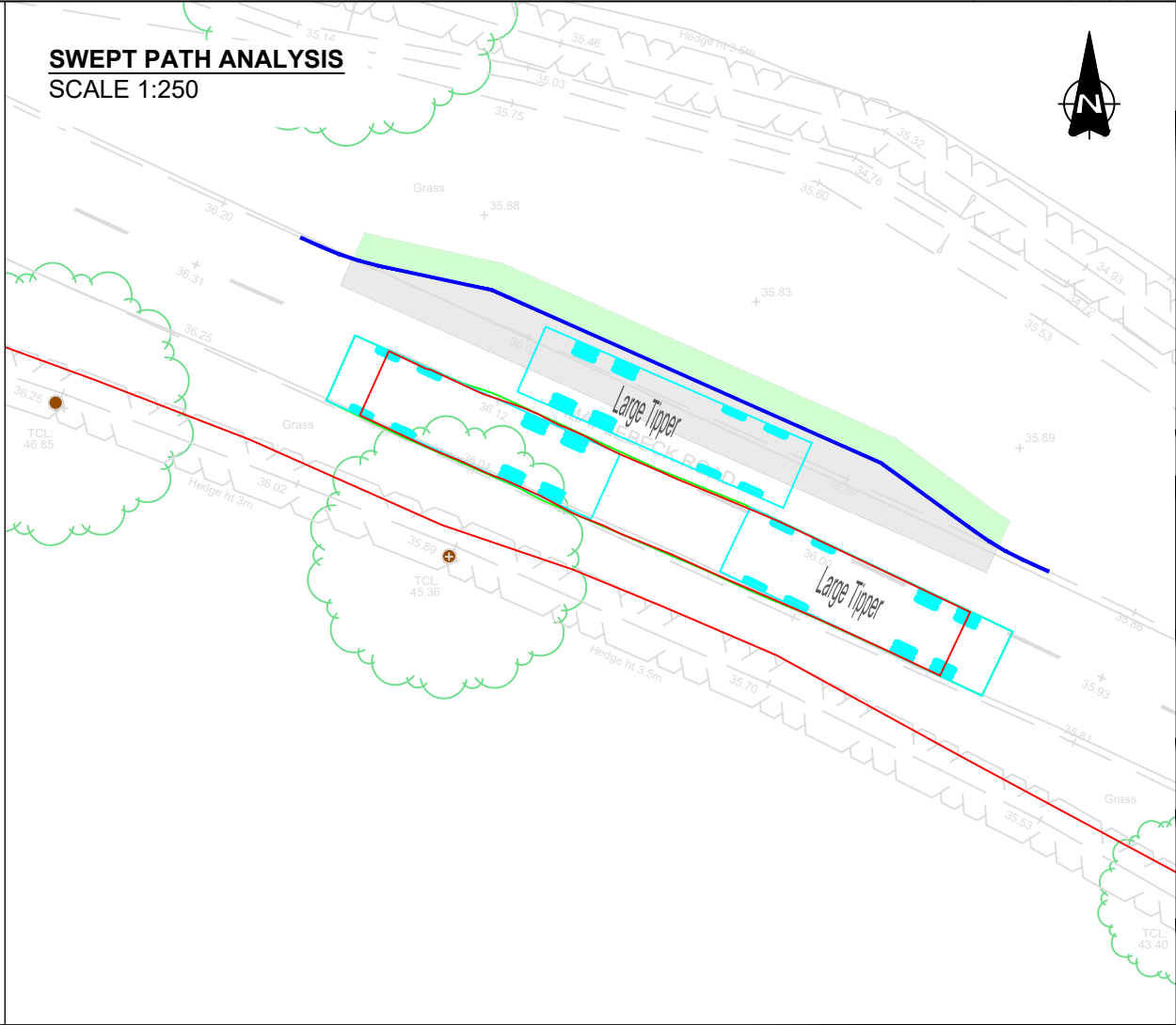
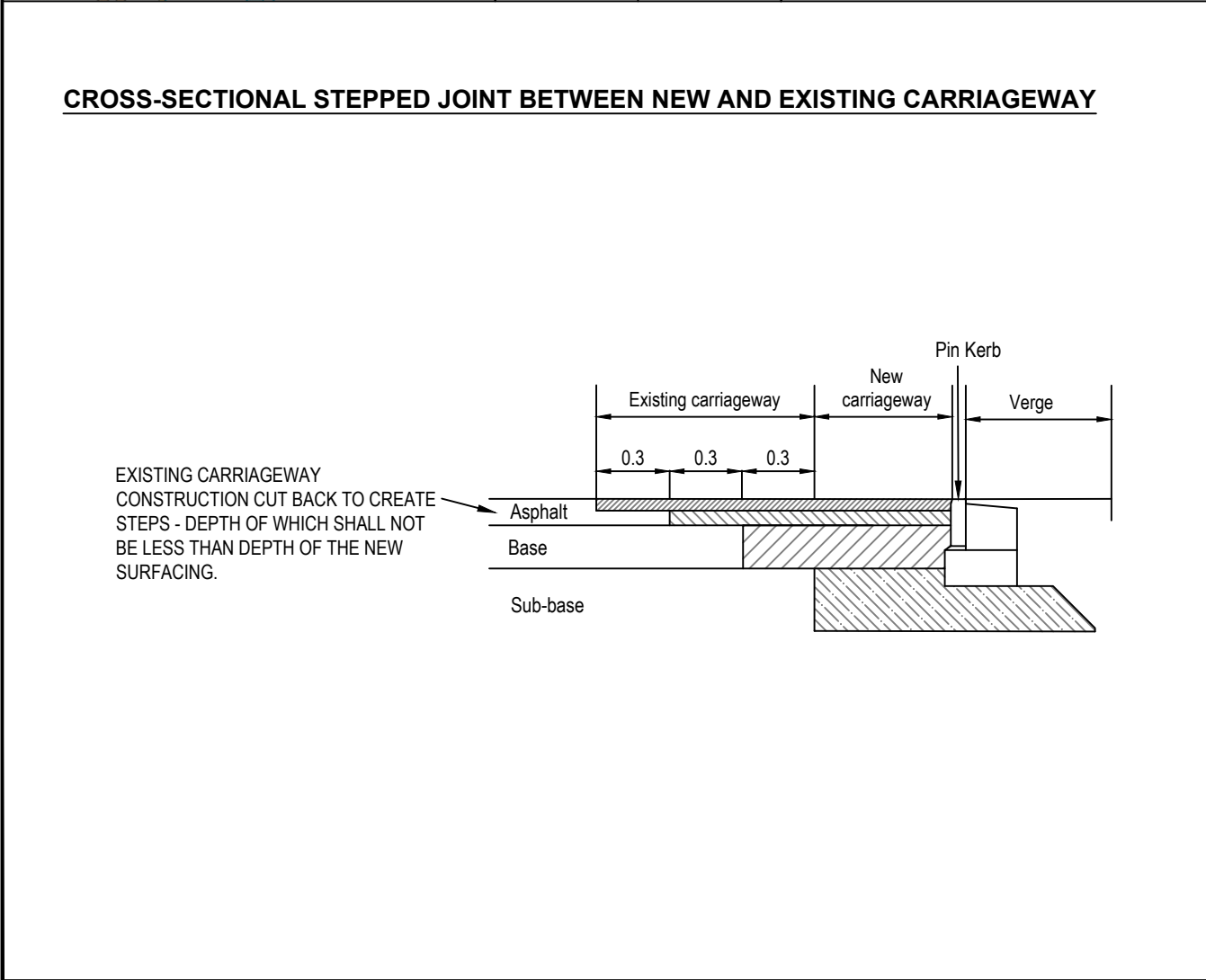
**KEY**

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- Proposed Carriageway Widening
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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



**SYSTRA**

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

T 0191 249 3816  
E uk\_newcastle@systra.com

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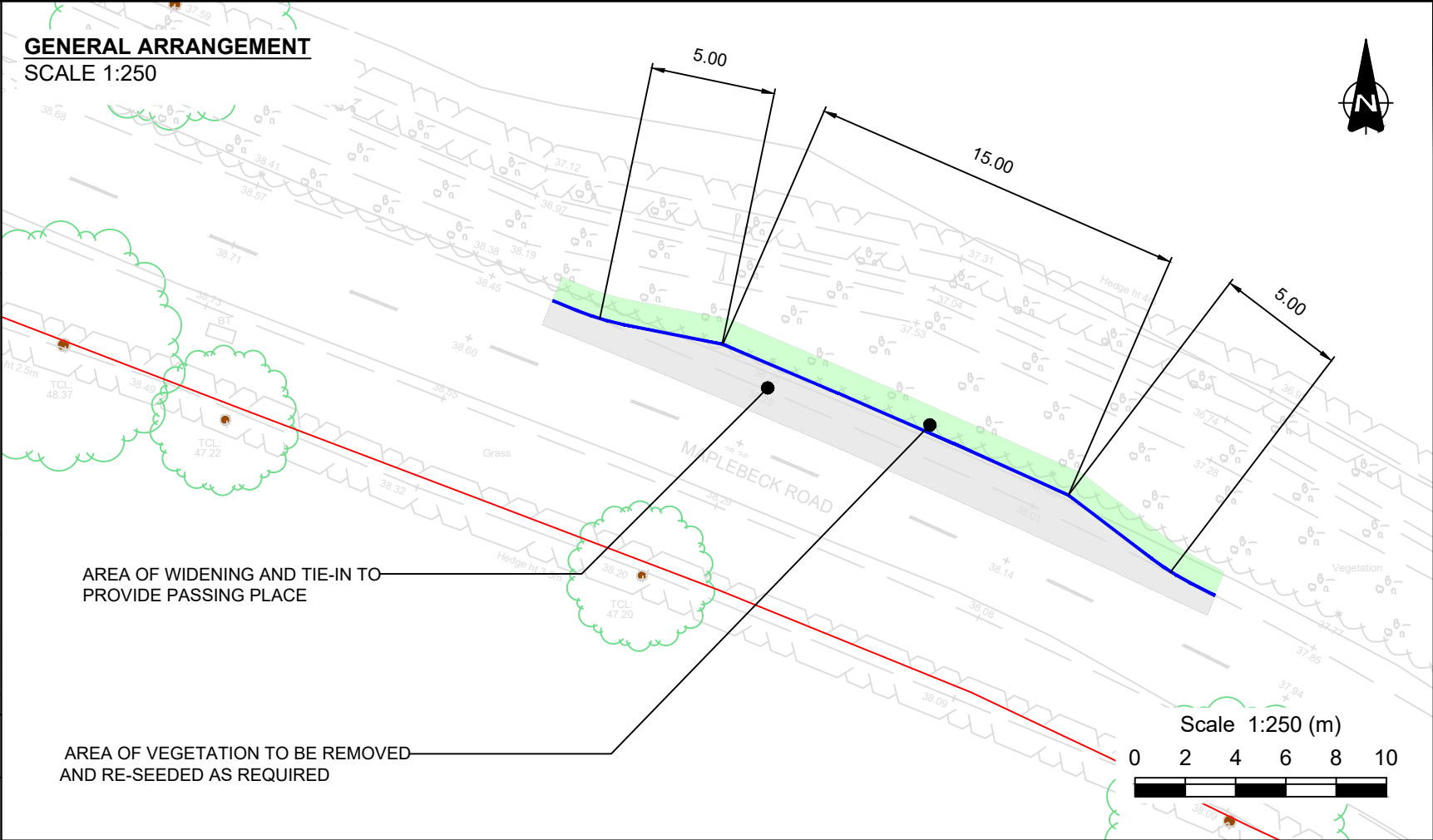
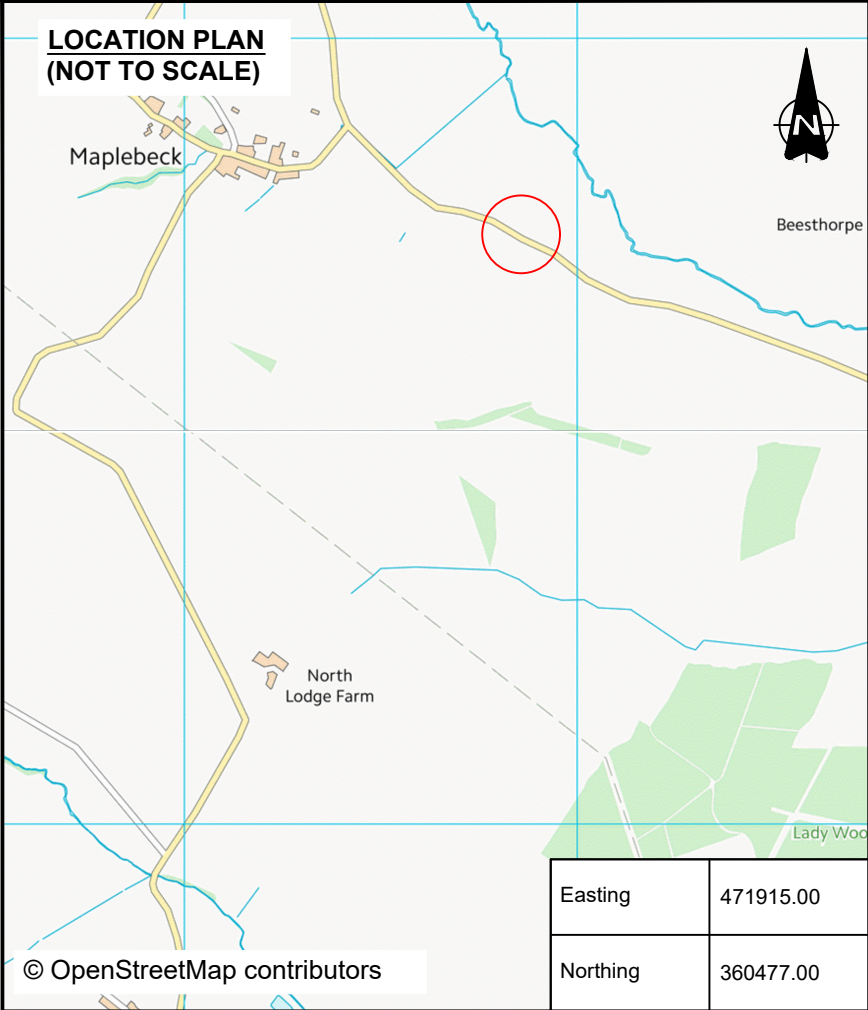
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

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.





**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**

10.201

2.495

1.81

4.128

1.524

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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Newcastle upon Tyne,  
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T 0191 249 3816  
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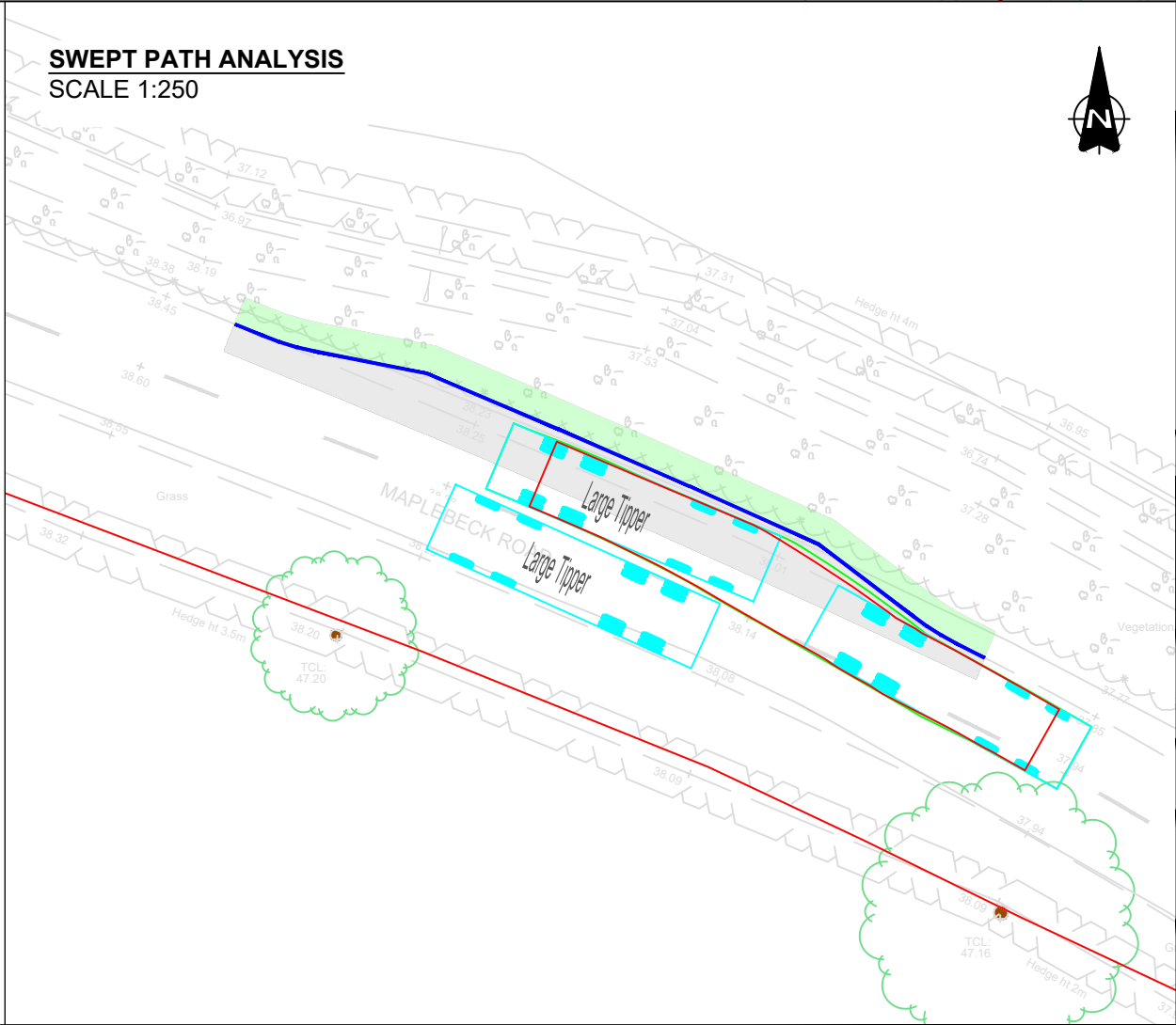
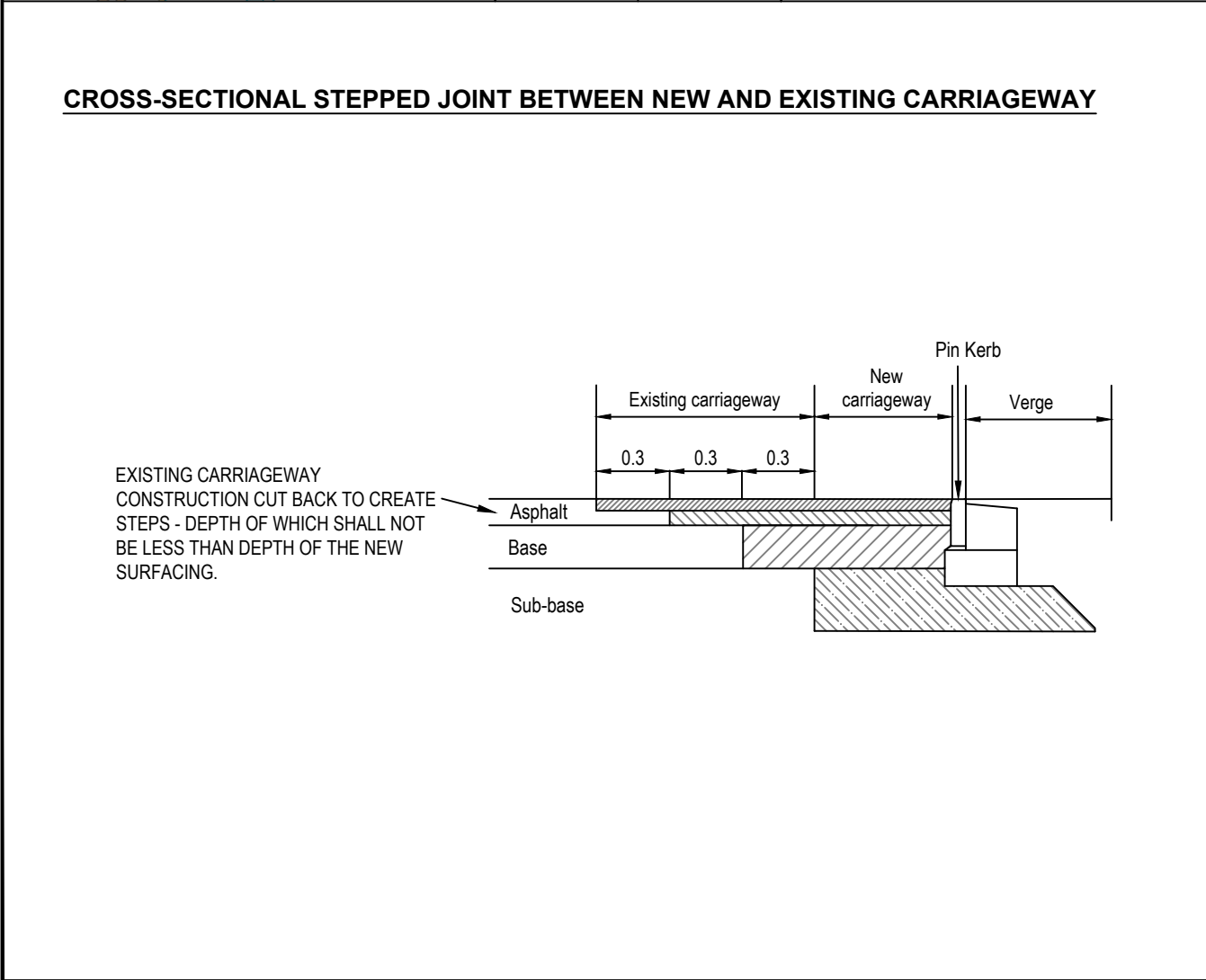
Project

GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title

PROPOSED PASSING PLACE  
LOCATION 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.	



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Project

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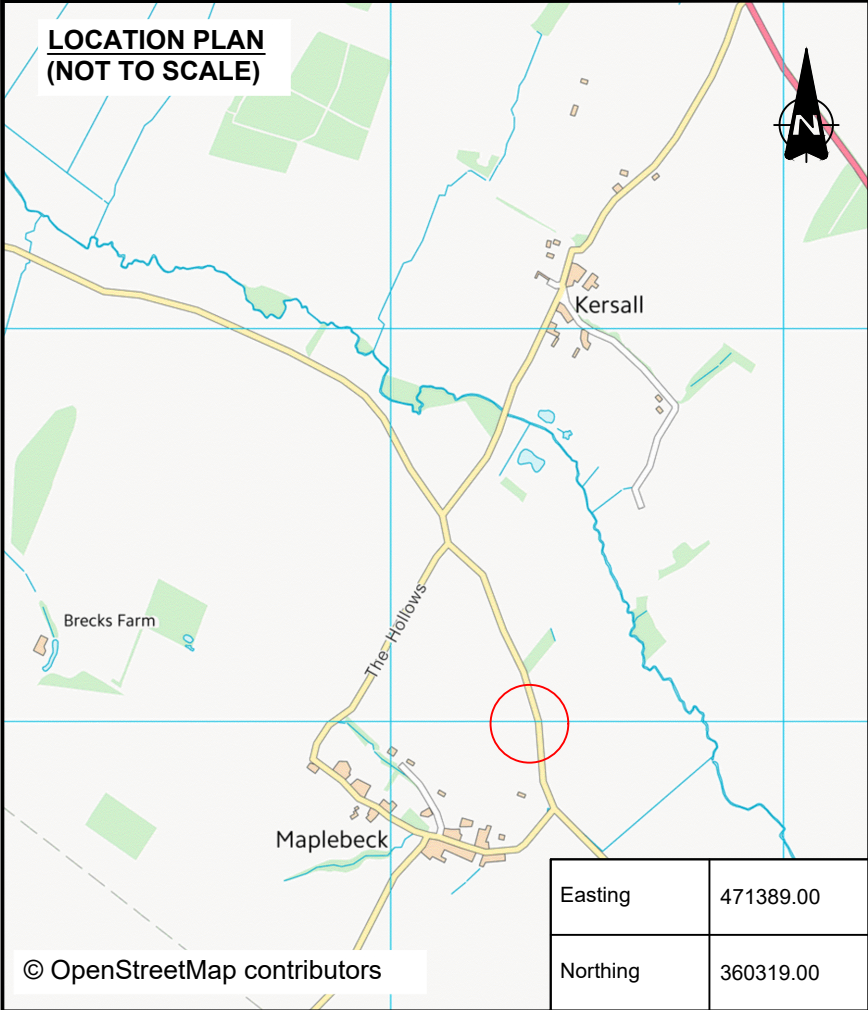
Title

PROPOSED PASSING PLACE  
LOCATION 4

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Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK204	Rev.	



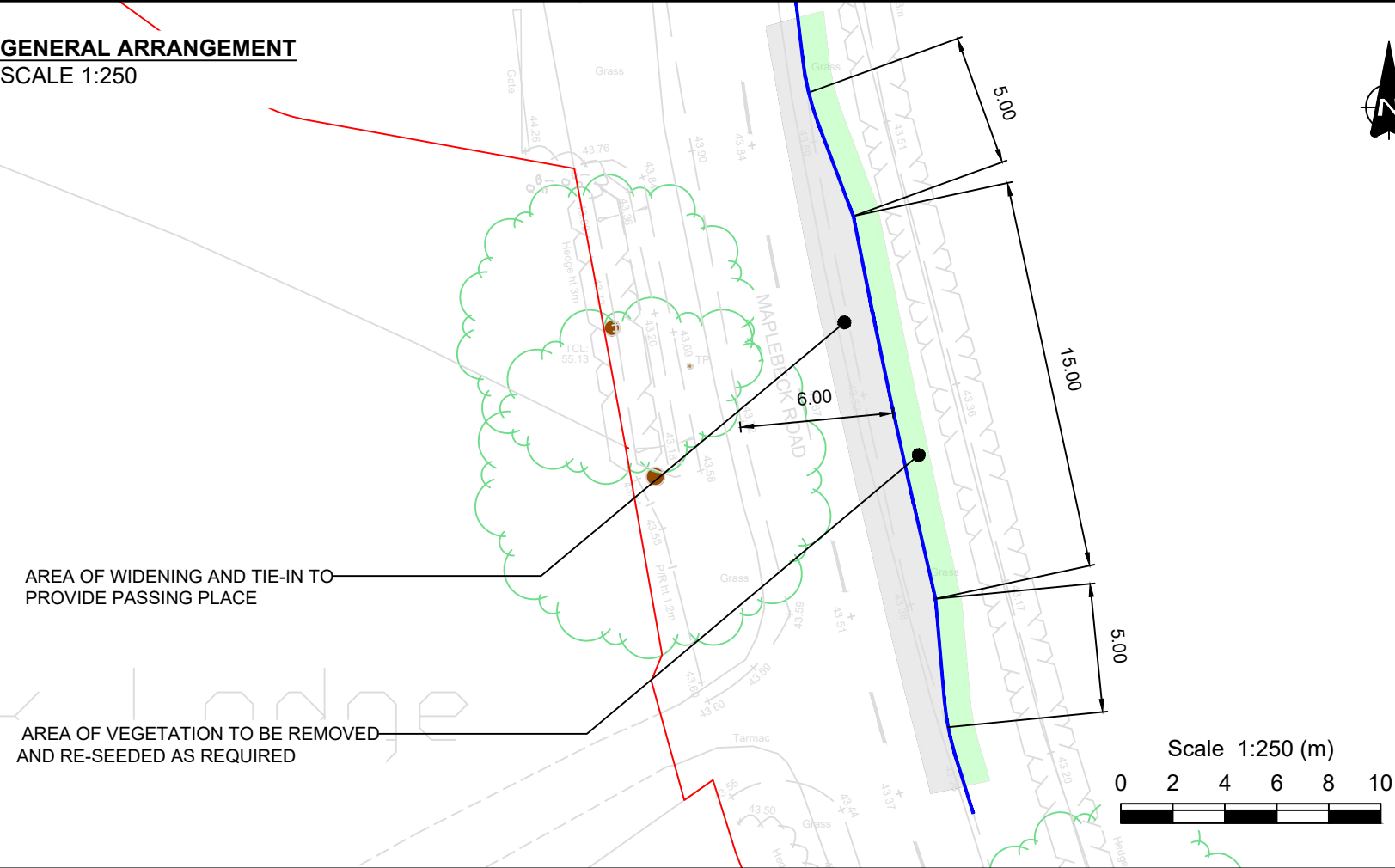
LOCATION PLAN  
(NOT TO SCALE)



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Northing	360319.00

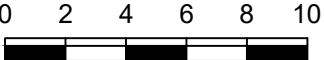
GENERAL ARRANGEMENT  
SCALE 1:250



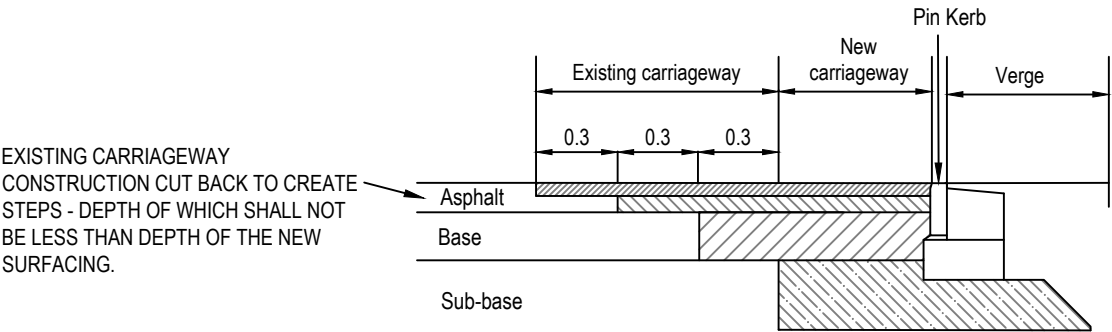
AREA OF WIDENING AND TIE-IN TO  
PROVIDE PASSING PLACE

AREA OF VEGETATION TO BE REMOVED  
AND RE-SEEDS AS REQUIRED

Scale 1:250 (m)

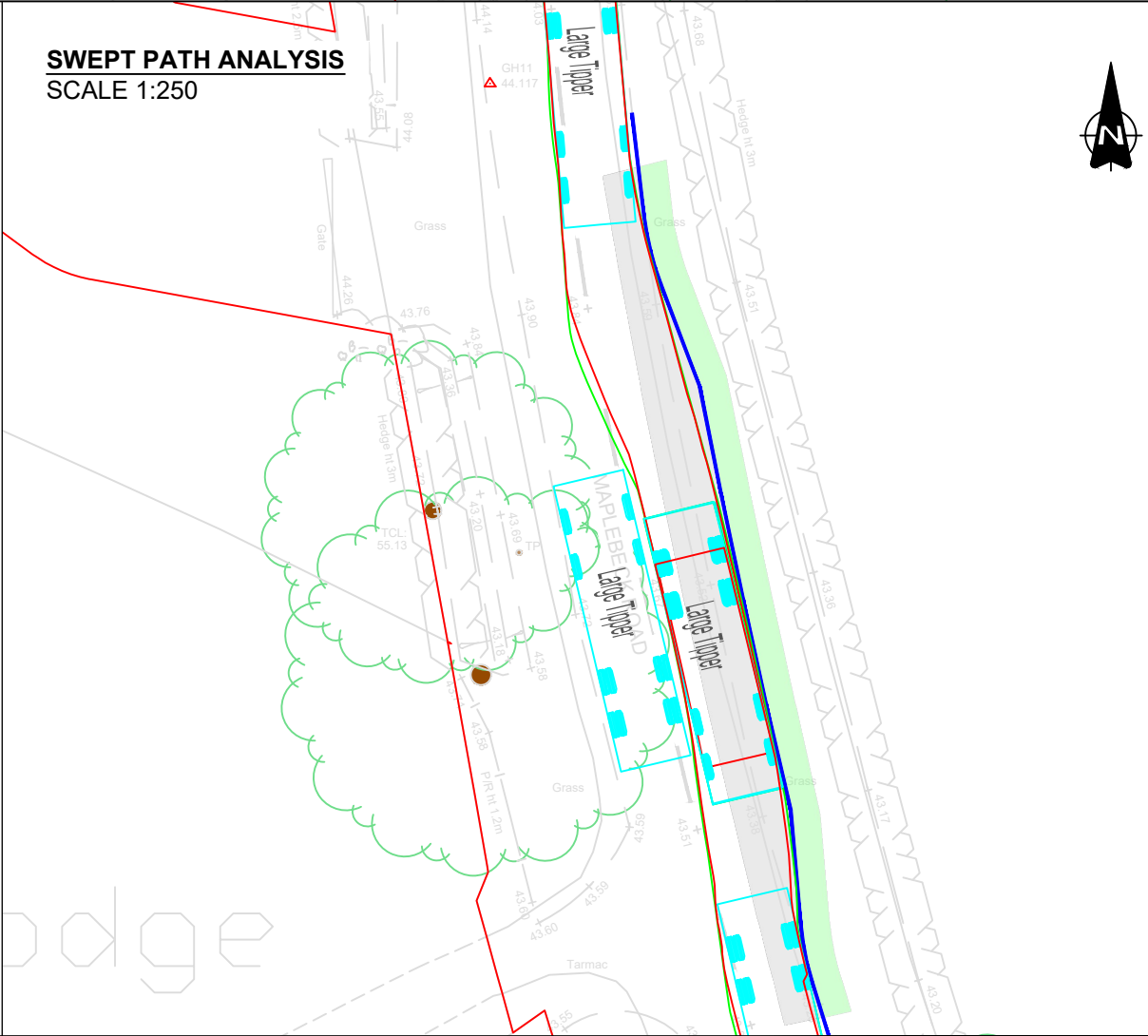


CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



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



NOTES

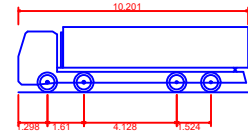
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KEY

- 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



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	

Rev.	Date	Revision details	Drawn	Checked	Approved
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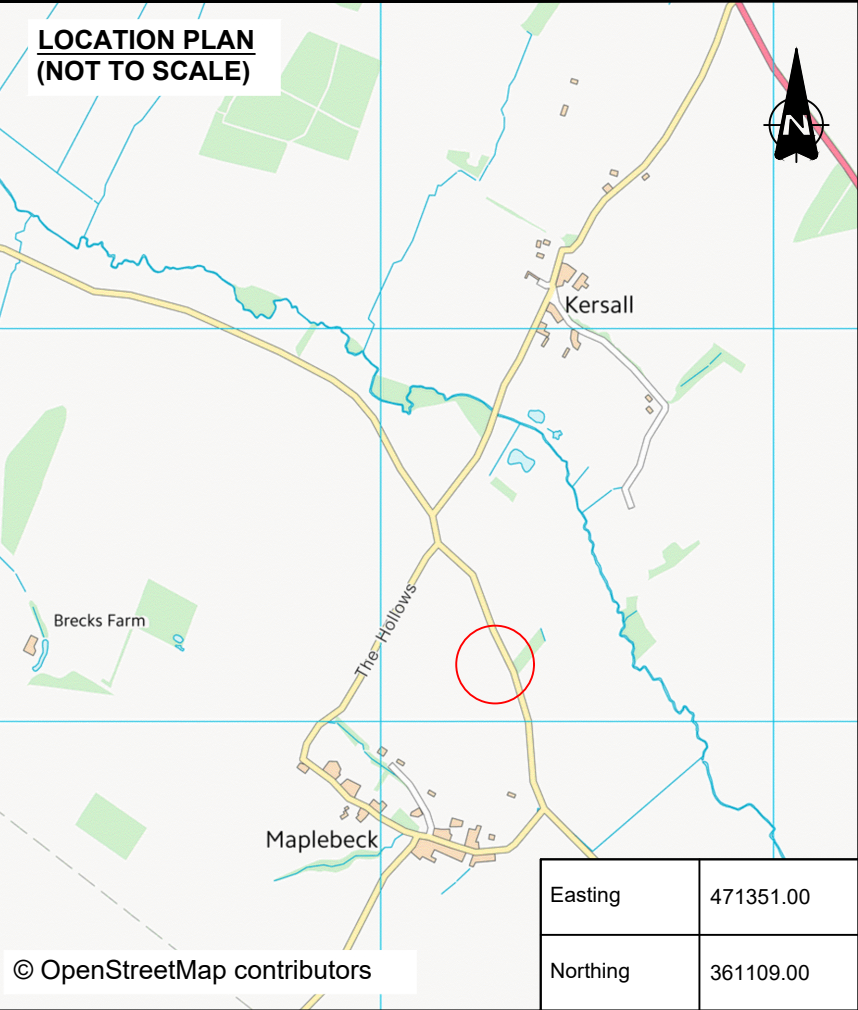
Client  
ELEMENTS GREEN TRENT LTD.

Project  
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title  
PROPOSED PASSING PLACE  
LOCATION 5

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

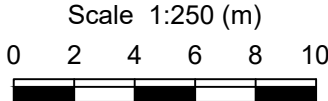
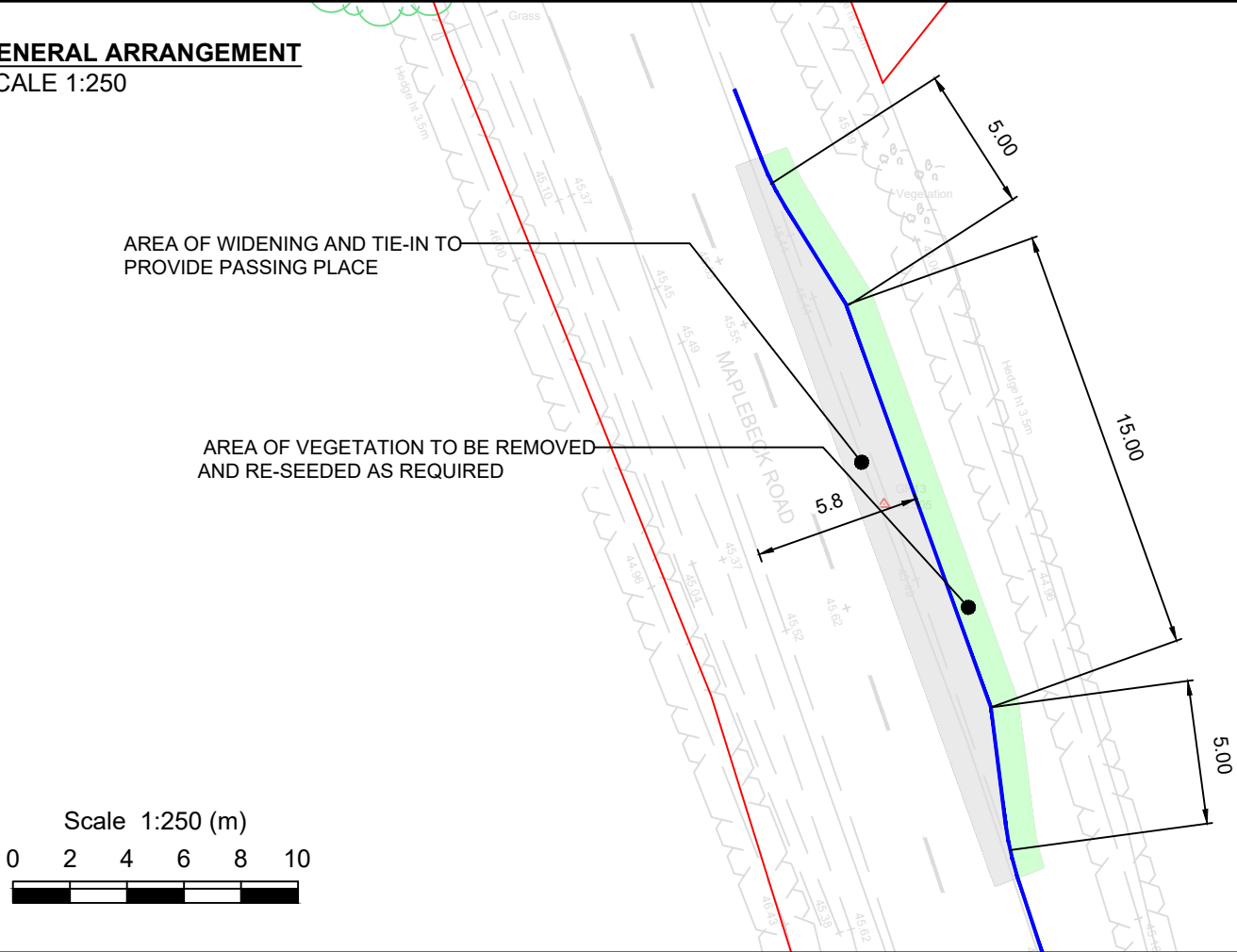
LOCATION PLAN  
(NOT TO SCALE)



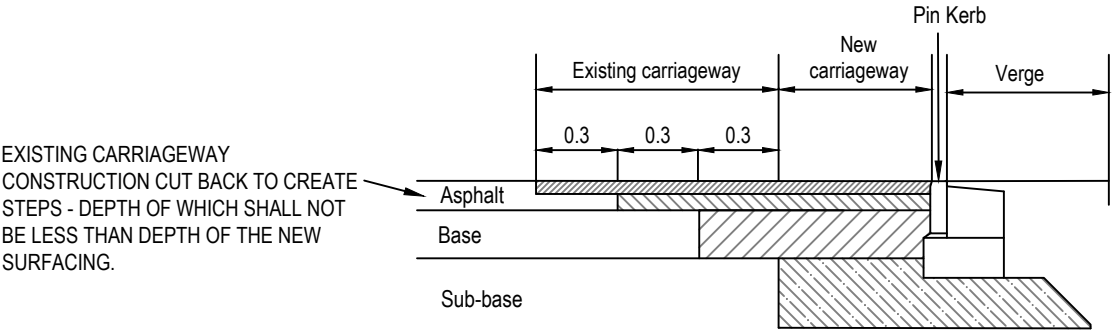
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Easting	471351.00
Northing	361109.00

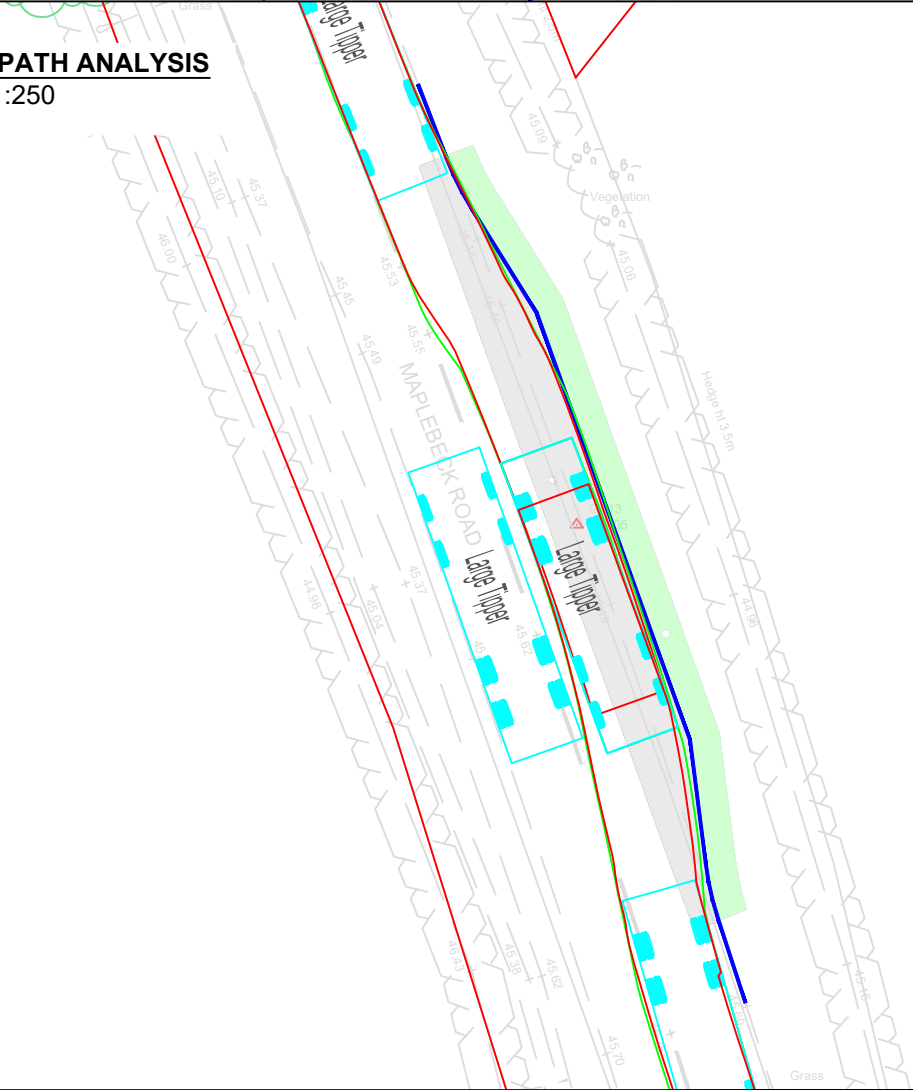
GENERAL ARRANGEMENT  
SCALE 1:250



CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



SWEPT PATH ANALYSIS  
SCALE 1:250



NOTES

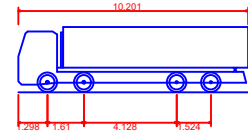
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KEY

- 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



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	

Rev.	Date	Revision details	Drawn	Checked	Approved
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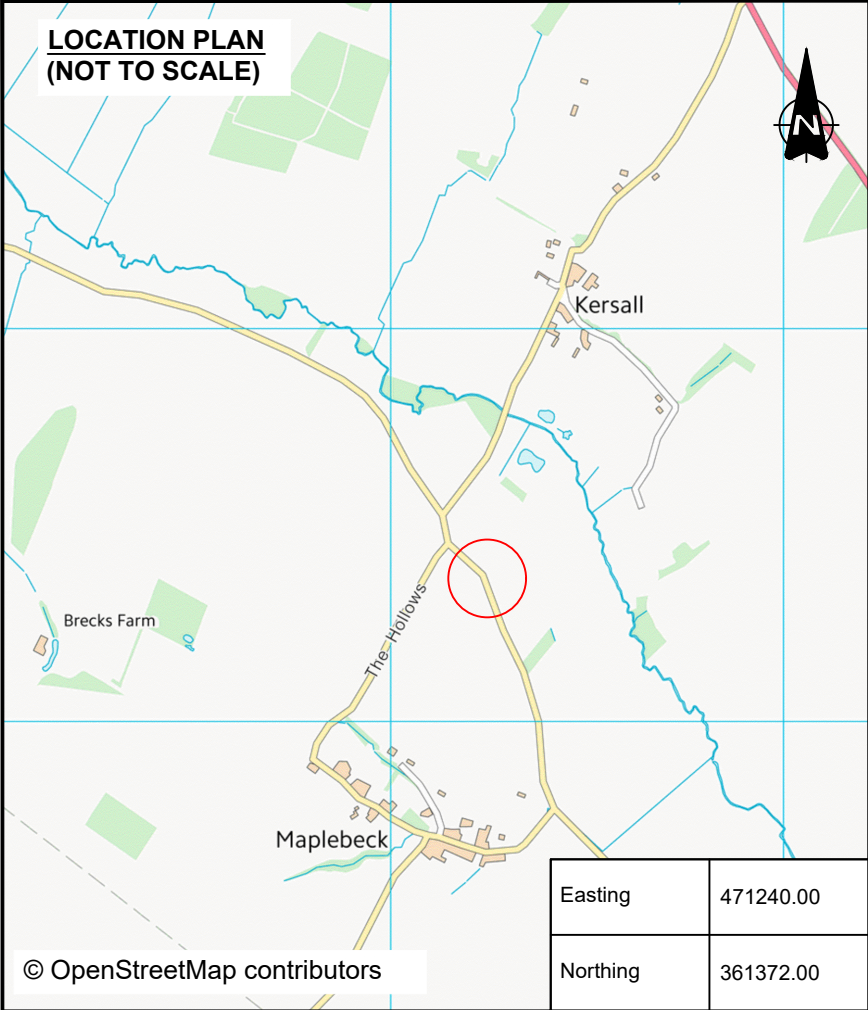
Project  
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title  
PROPOSED PASSING PLACE  
LOCATION 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.	



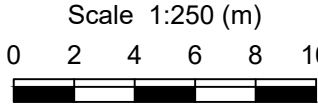
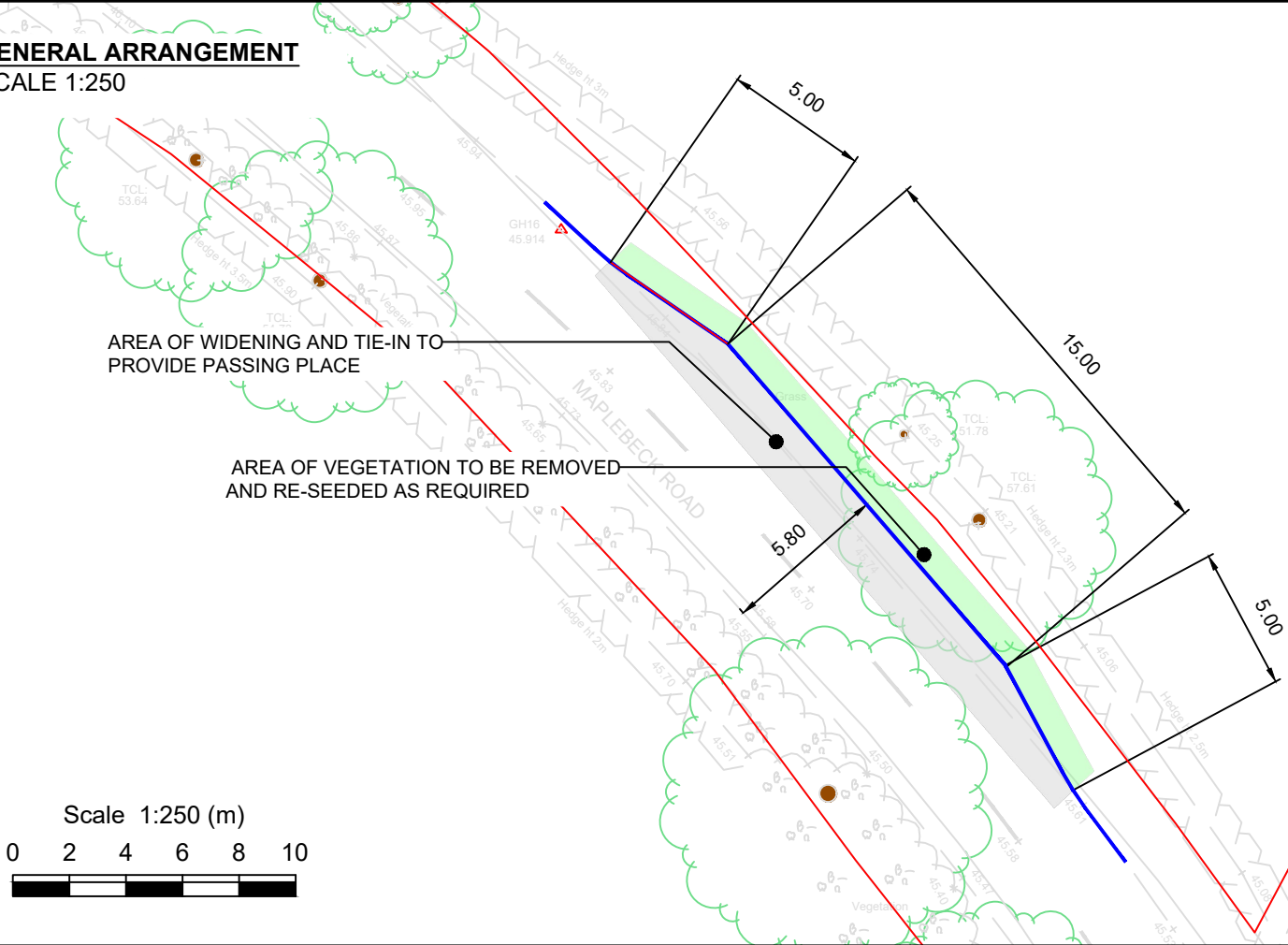
LOCATION PLAN  
(NOT TO SCALE)



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Easting	471240.00
Northing	361372.00

GENERAL ARRANGEMENT  
SCALE 1:250



NOTES

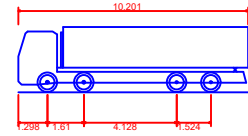
1. Do not scale from this drawing.
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3. This drawing is for planning purposes only.

KEY

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

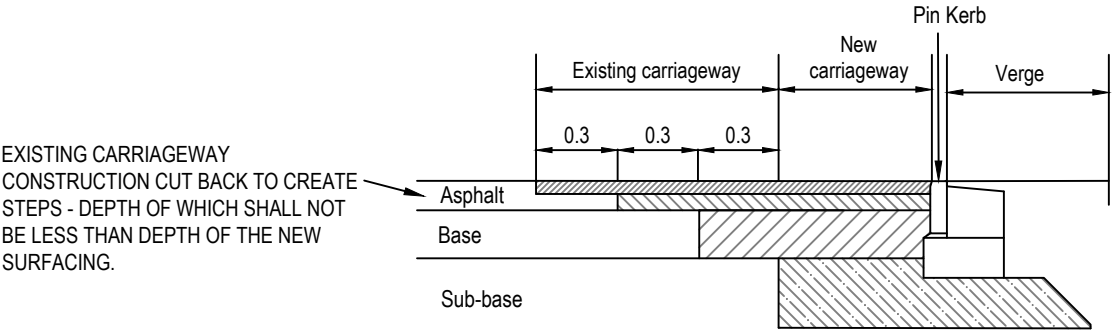
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VEHICLE USED FOR SWEEP PATH

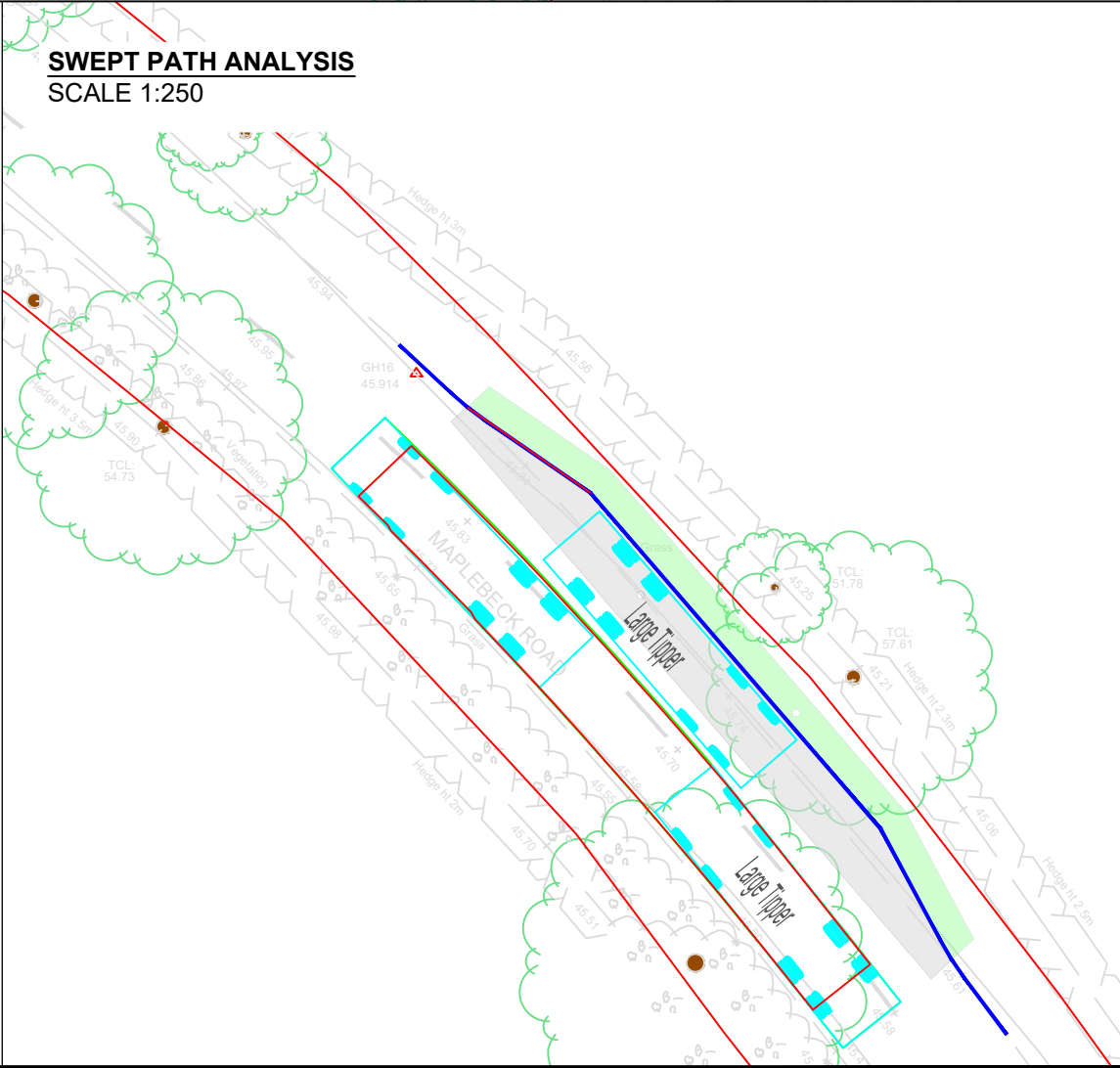


Large Tipper	10.201m
Overall Length	2.495m
Overall Width	2.890m
Overall Body Height	0.341m
Min Body Ground Clearance	2.471m
Track Width	6.00s
Lock to lock time	11.550m
Kerb to Kerb Turning Radius	

CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY



SWEPT PATH ANALYSIS  
SCALE 1:250



Rev.	Date	Revision details	Drawn	Checked	Approved
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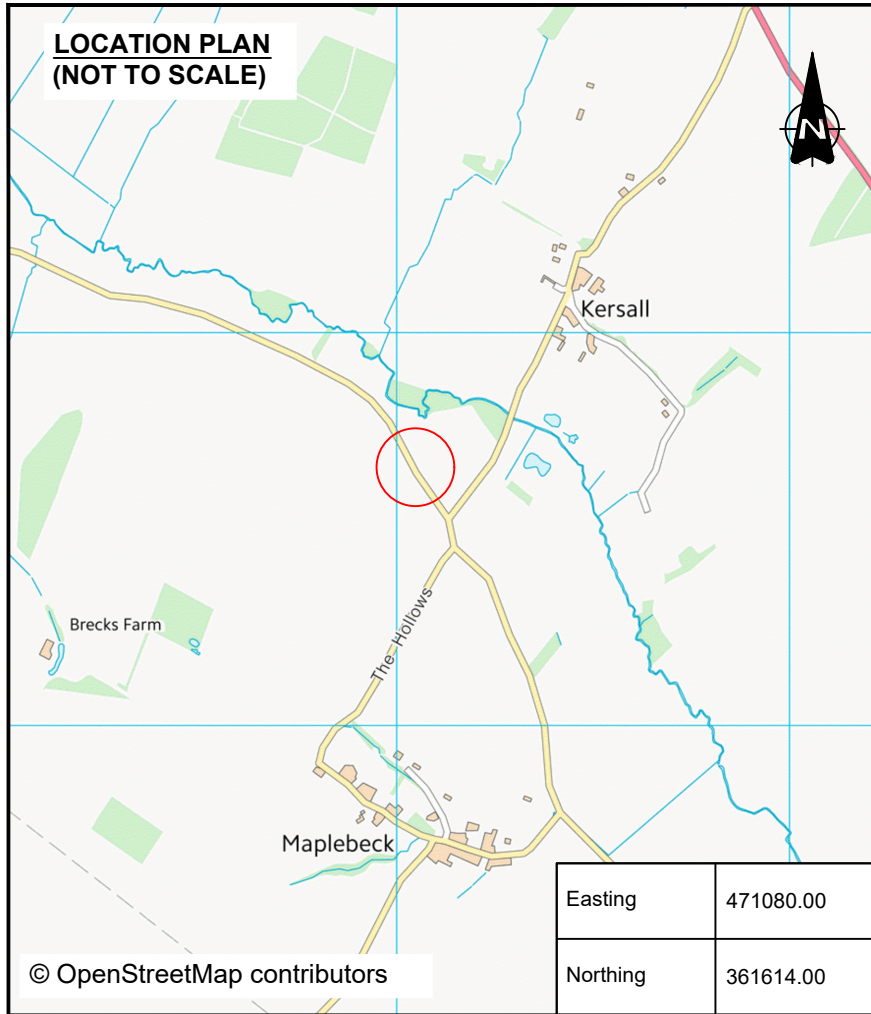
Project  
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title  
PROPOSED PASSING PLACE  
LOCATION 7

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK207	Rev.	



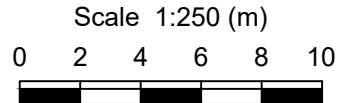
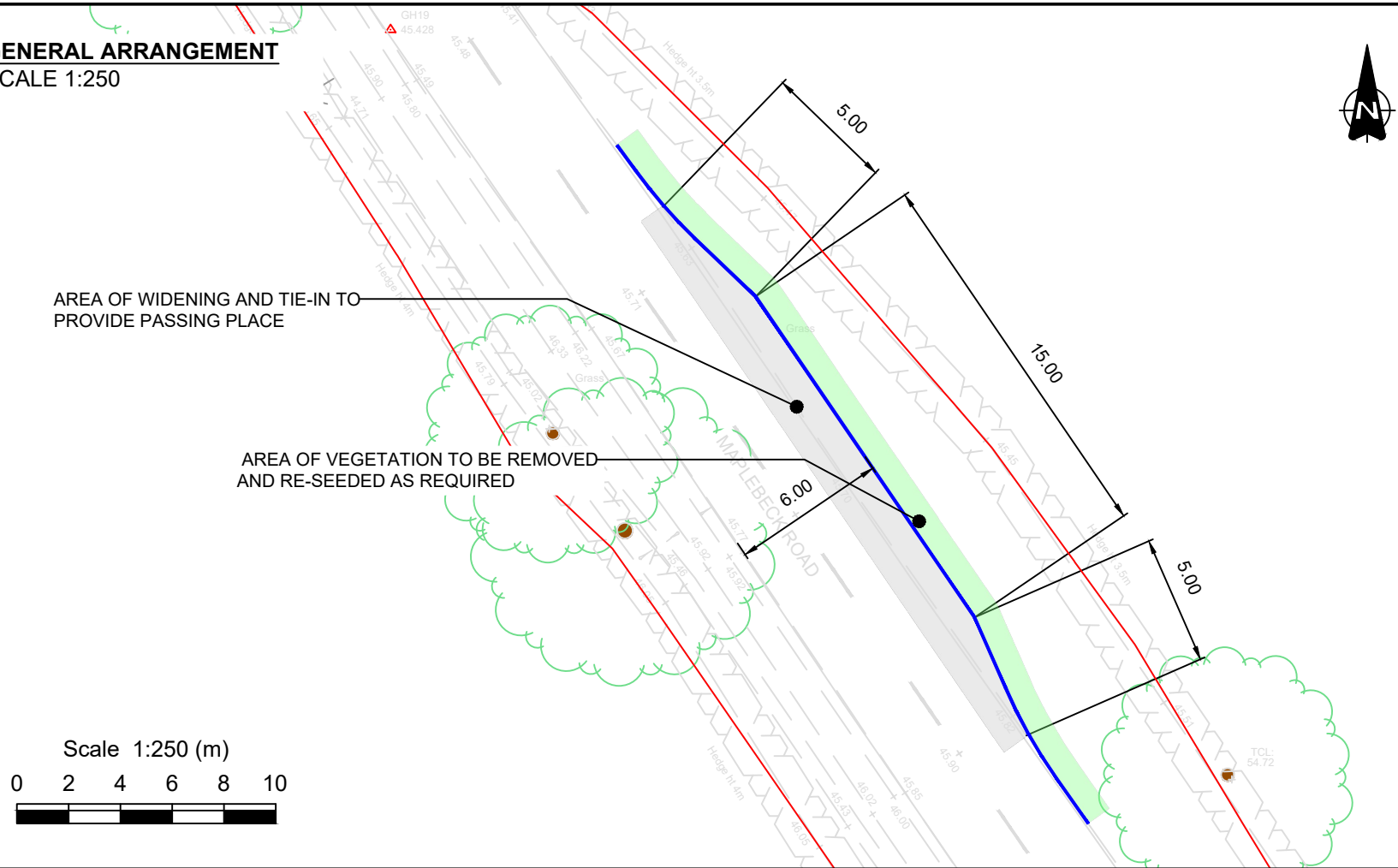
LOCATION PLAN  
(NOT TO SCALE)



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Easting	471080.00
Northing	361614.00

GENERAL ARRANGEMENT  
SCALE 1:250



NOTES

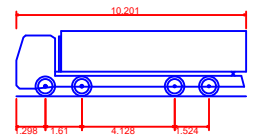
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KEY

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

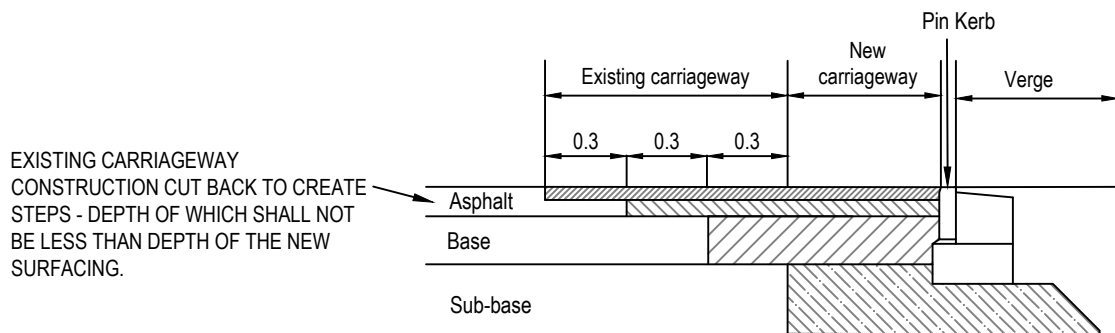
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VEHICLE USED FOR SWEEP PATH



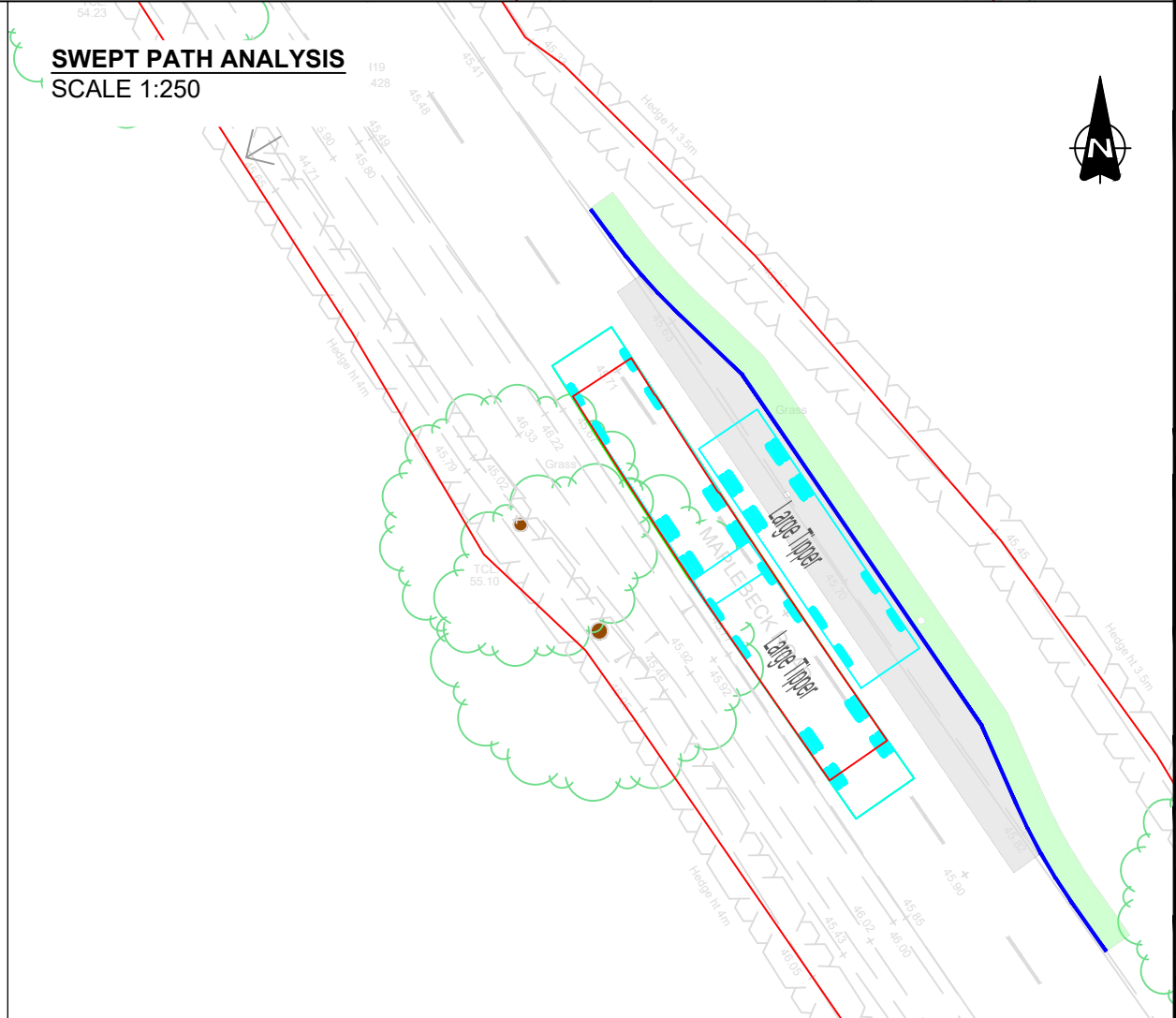
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Min Body Ground Clearance	2.471m
Track Width	6.00s
Lock to lock time	11.550m
Kerb to Kerb Turning Radius	

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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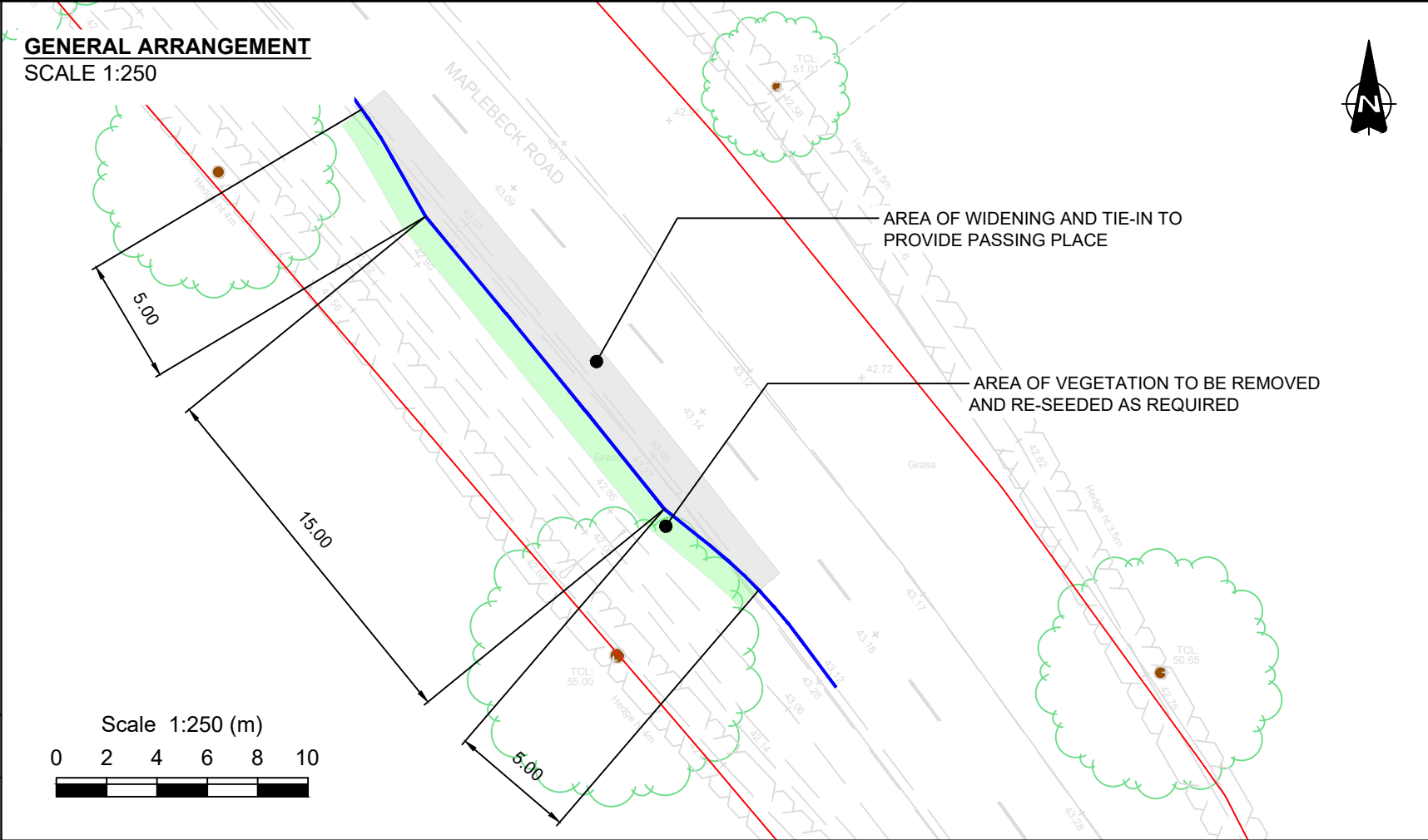
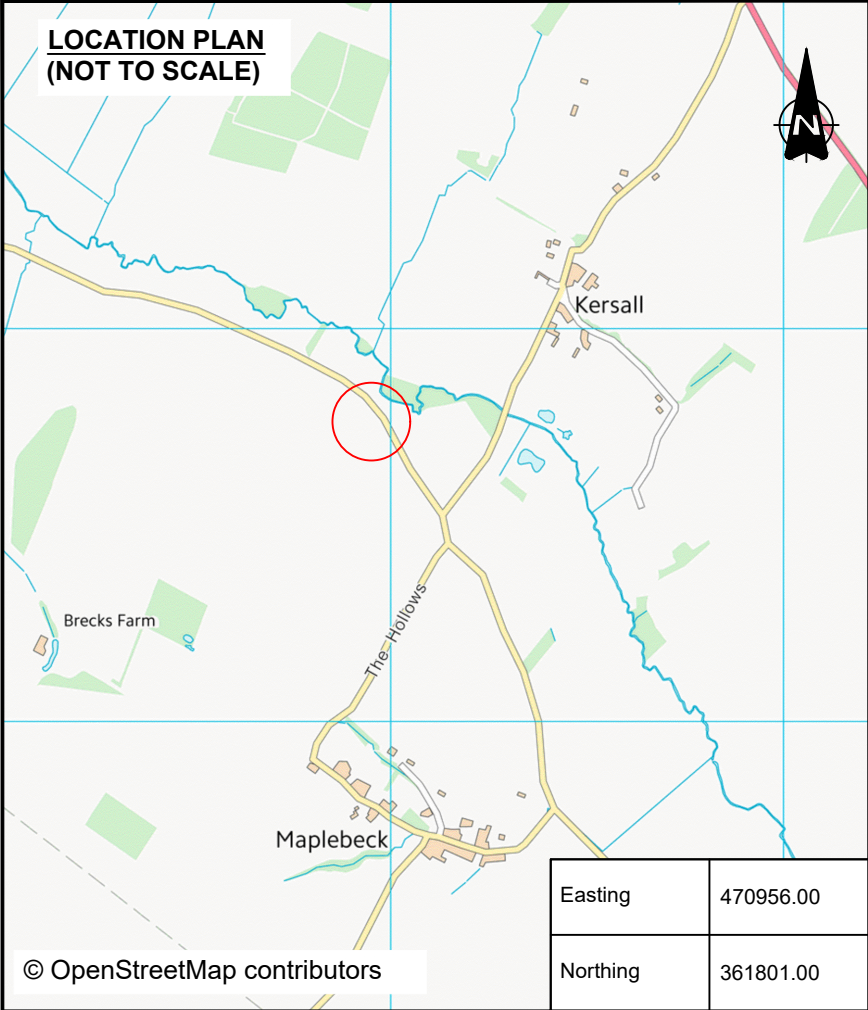
Client  
ELEMENTS GREEN TRENT LTD.

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.	





**NOTES**

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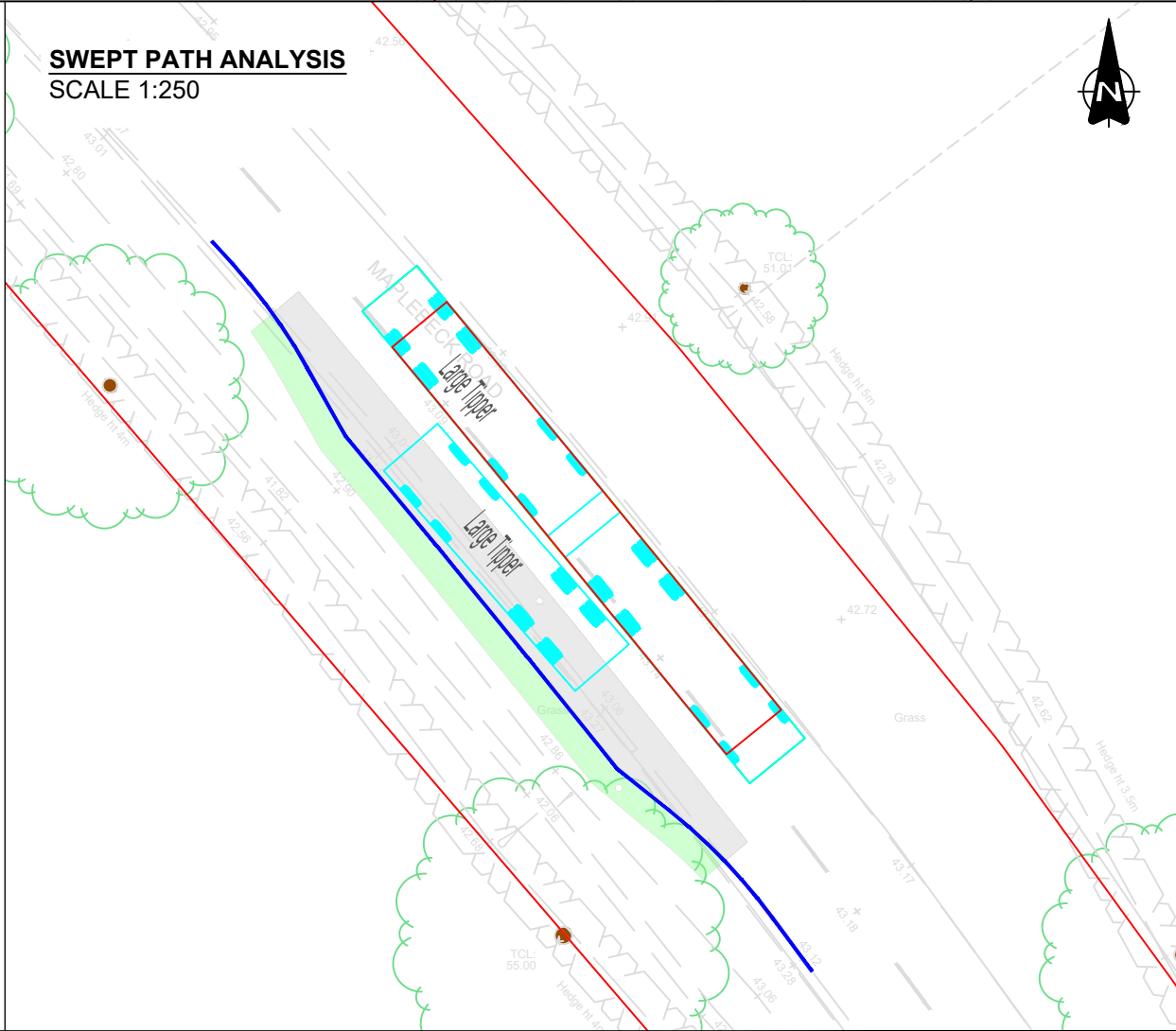
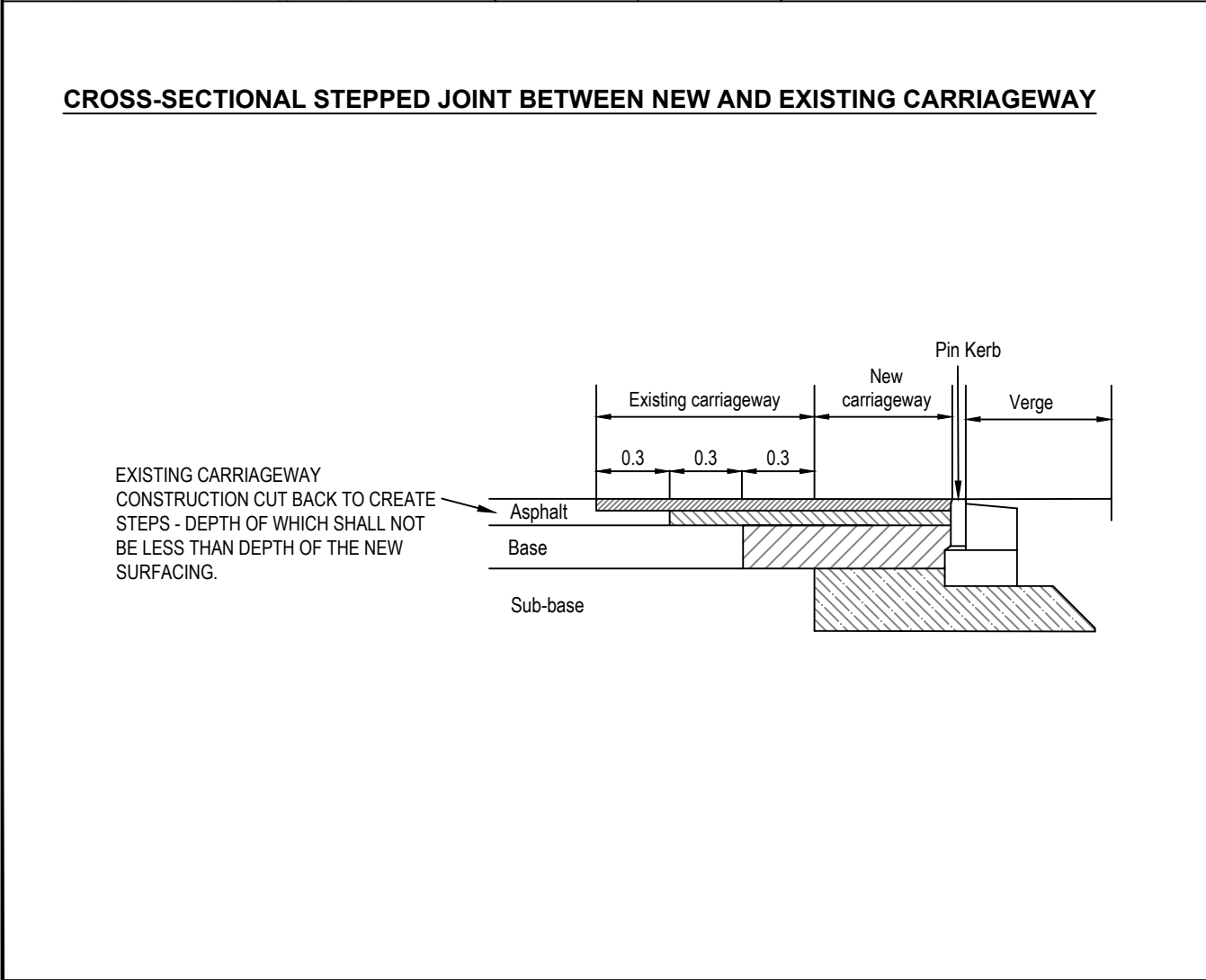
**KEY**

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

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Project

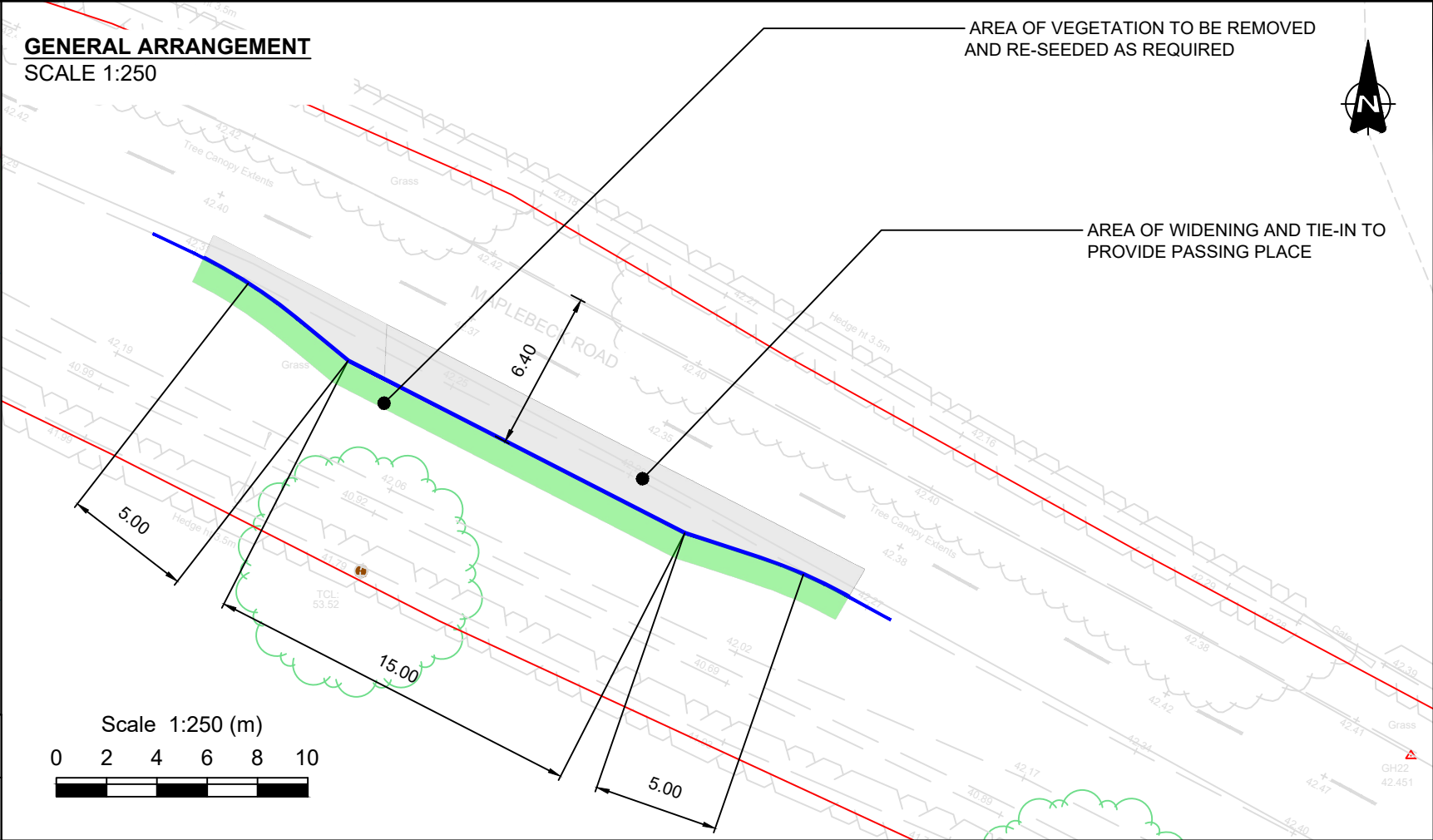
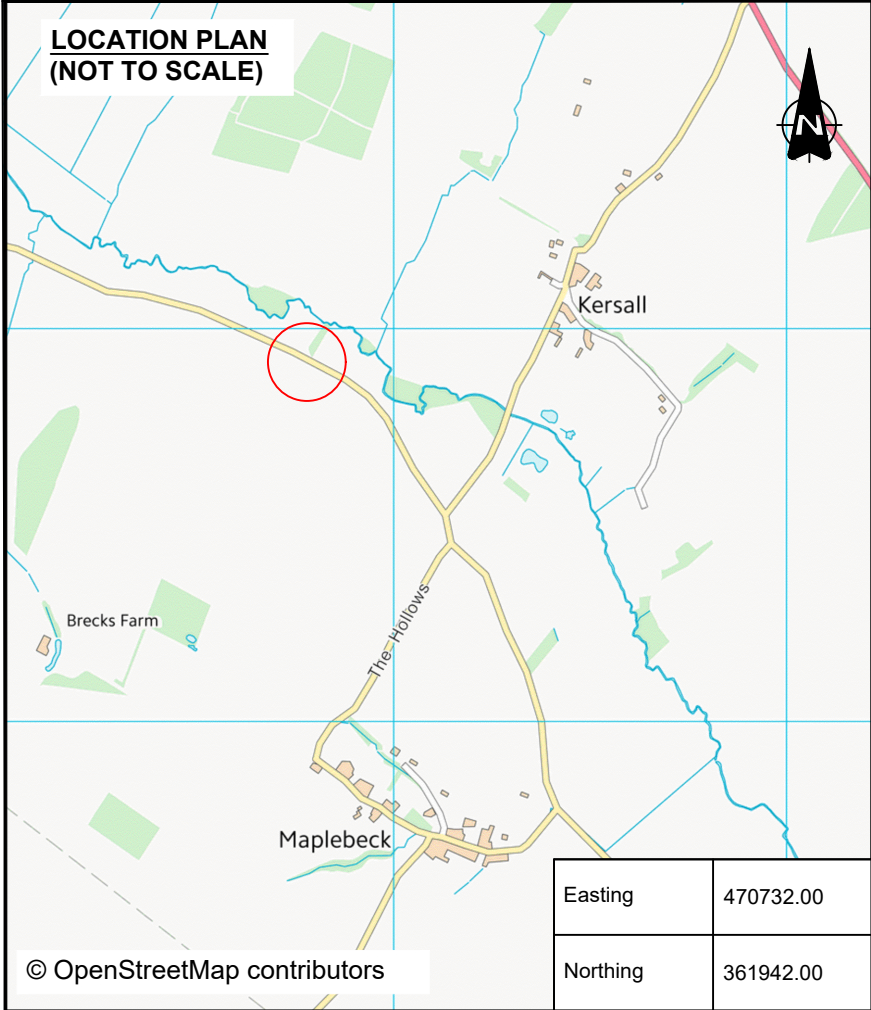
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title

PROPOSED PASSING PLACE LOCATION 09

Drawn	FW	Checked	JH	Approved	SE
Original dsg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION	Drawing Number	23D07-SK209	Rev.	





**NOTES**

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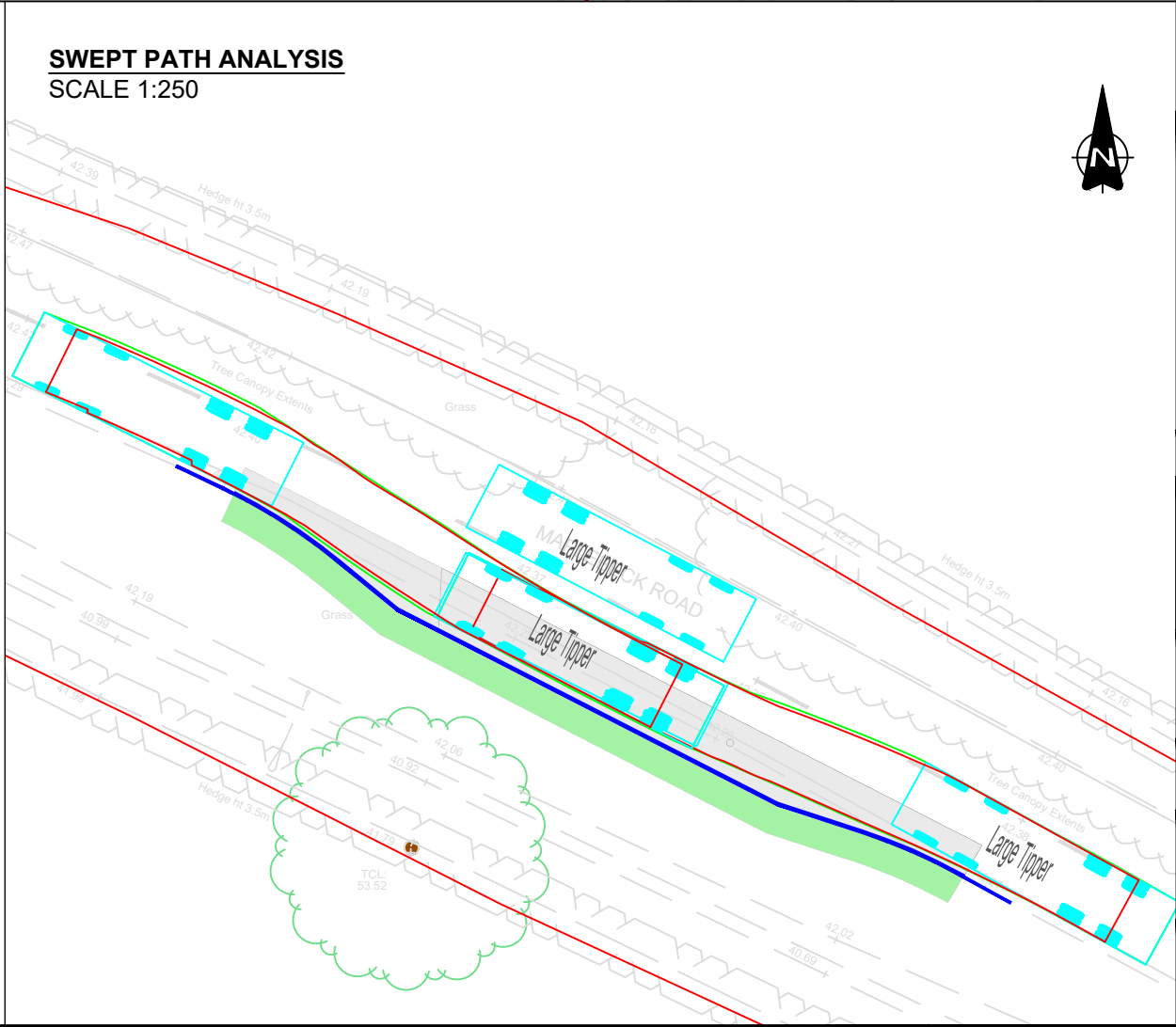
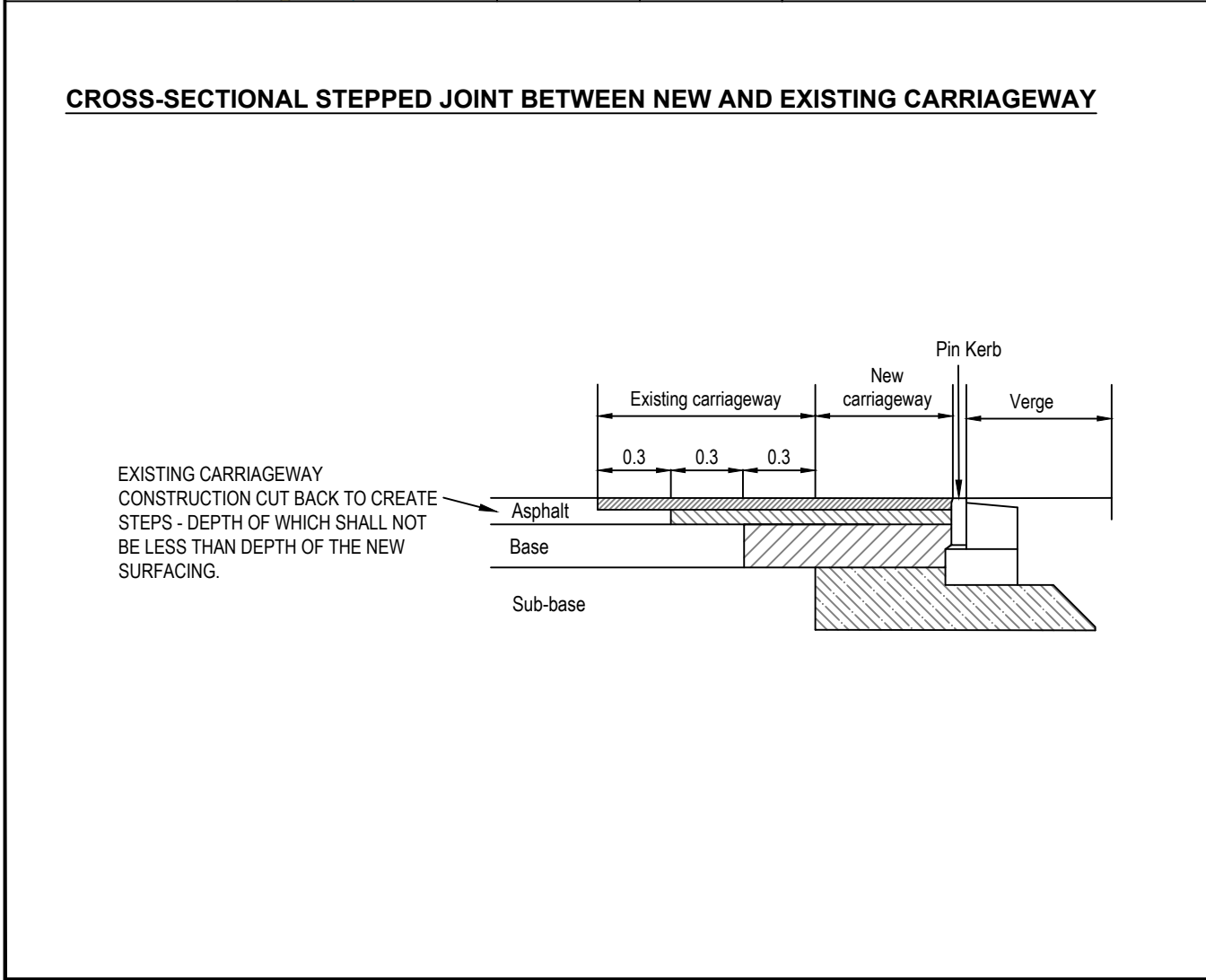
**KEY**

- 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



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

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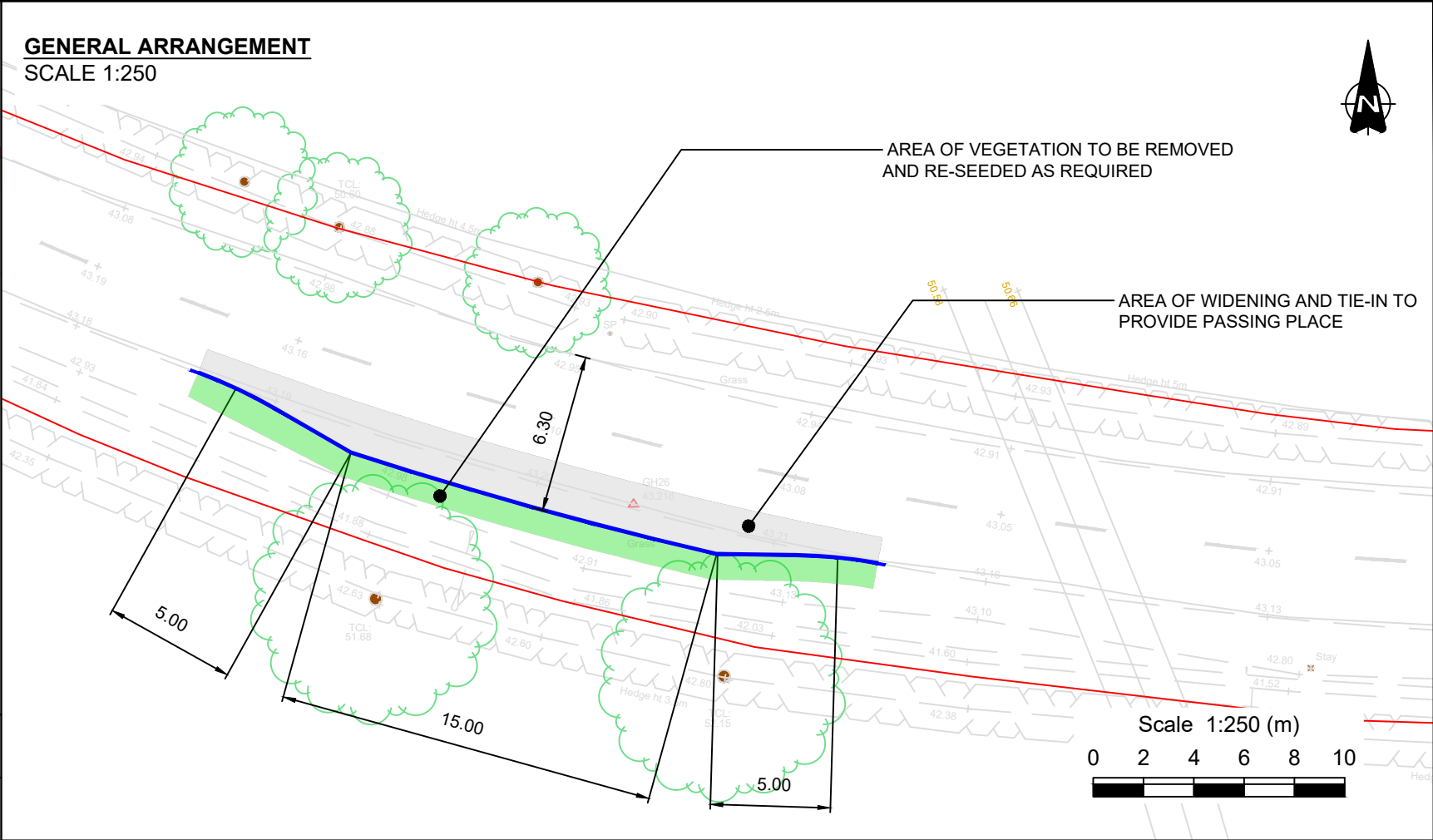
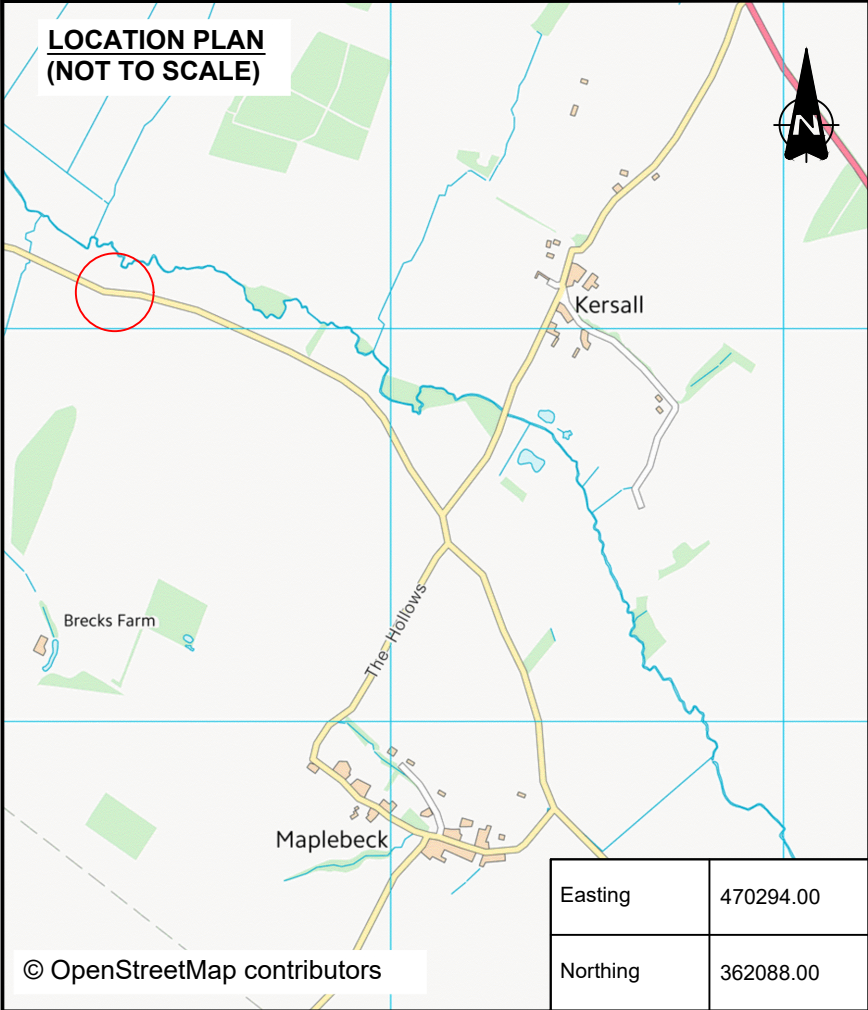
Project  
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title  
PROPOSED PASSING PLACE LOCATION 10

Drawn FW	Checked JH	Approved SE
Original dwg. size A3	Date 21.05.25	Scale AS SHOWN
Drawing Number 23D07-SK210		Rev.

INFORMATION





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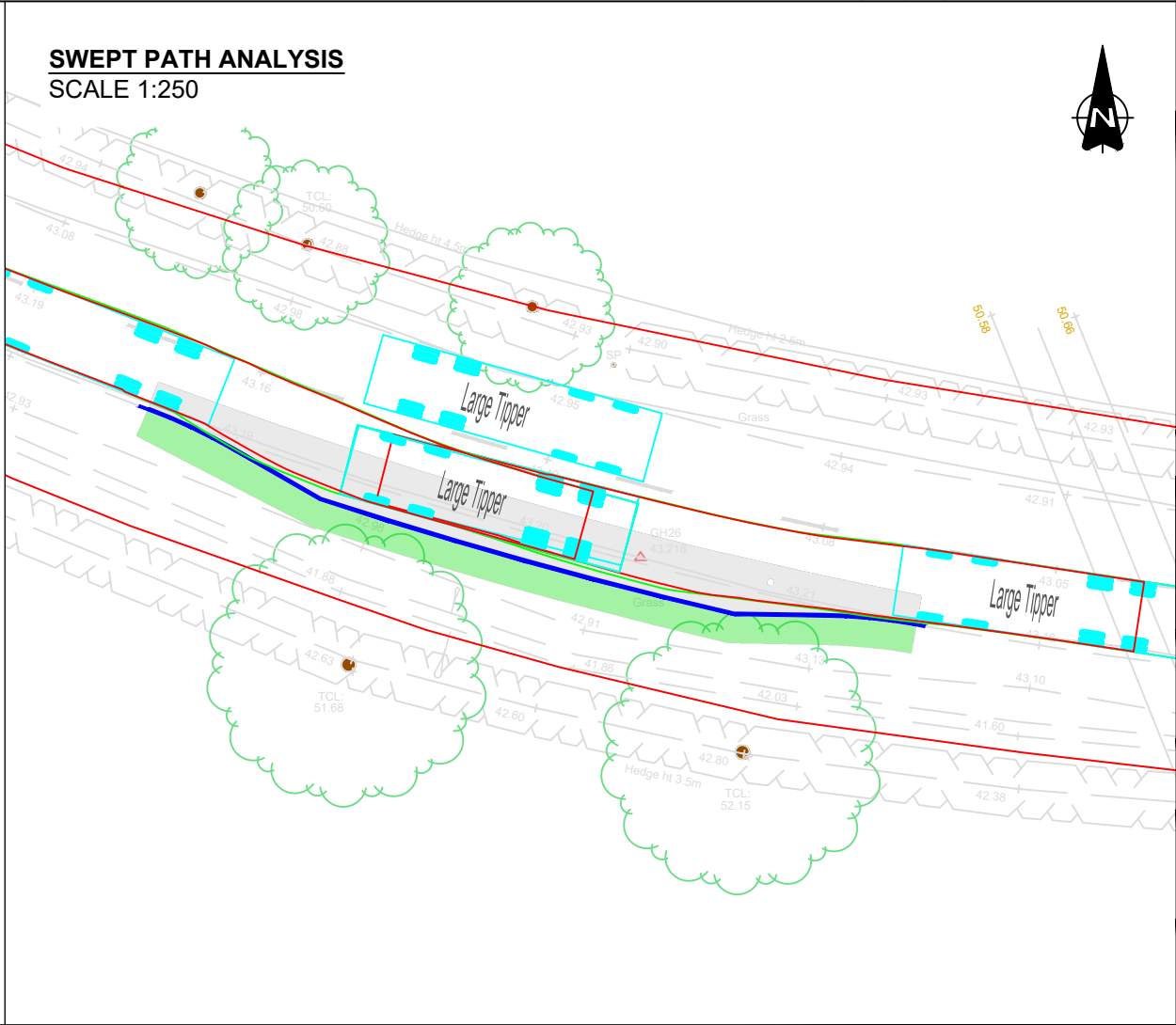
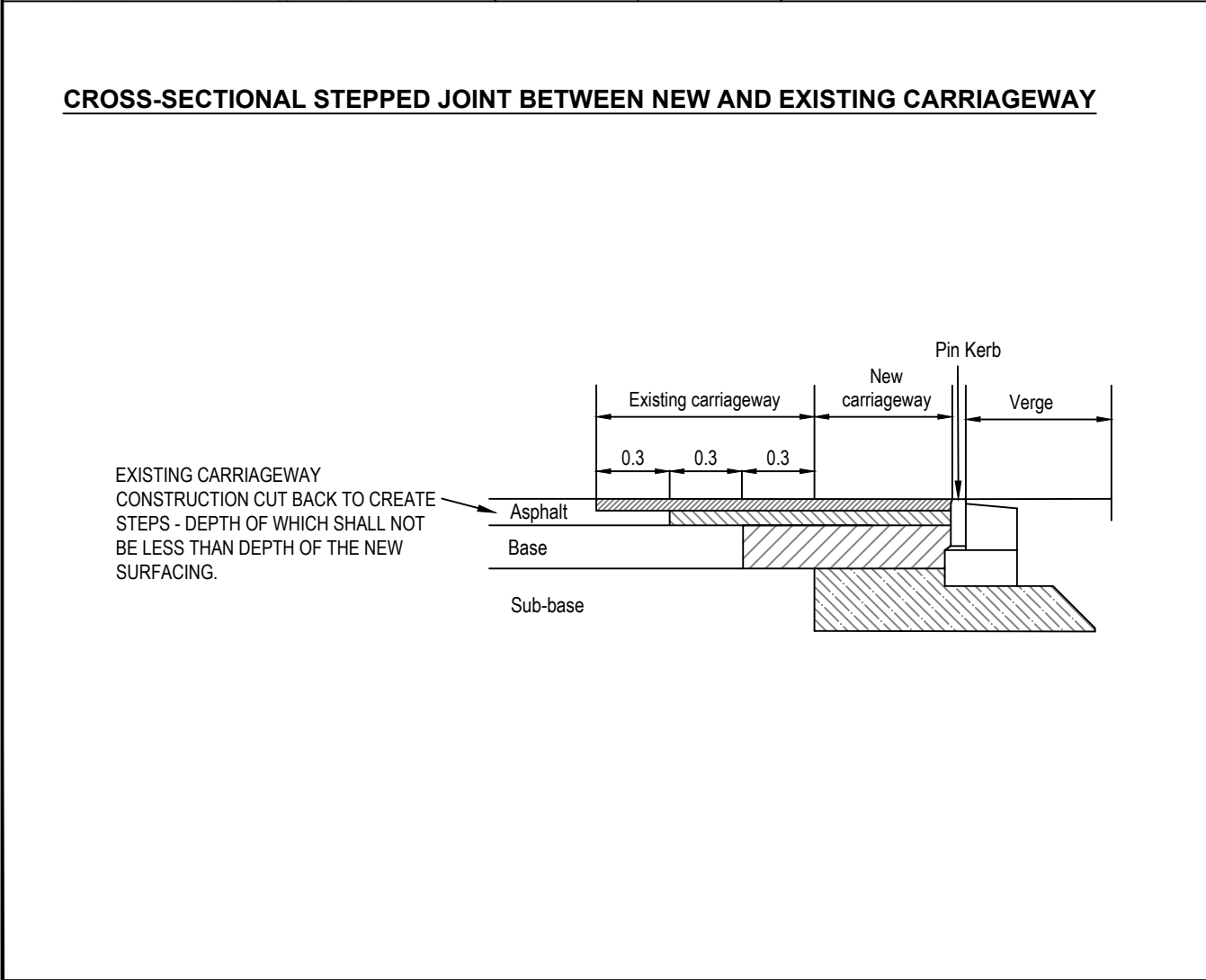
**KEY**

- 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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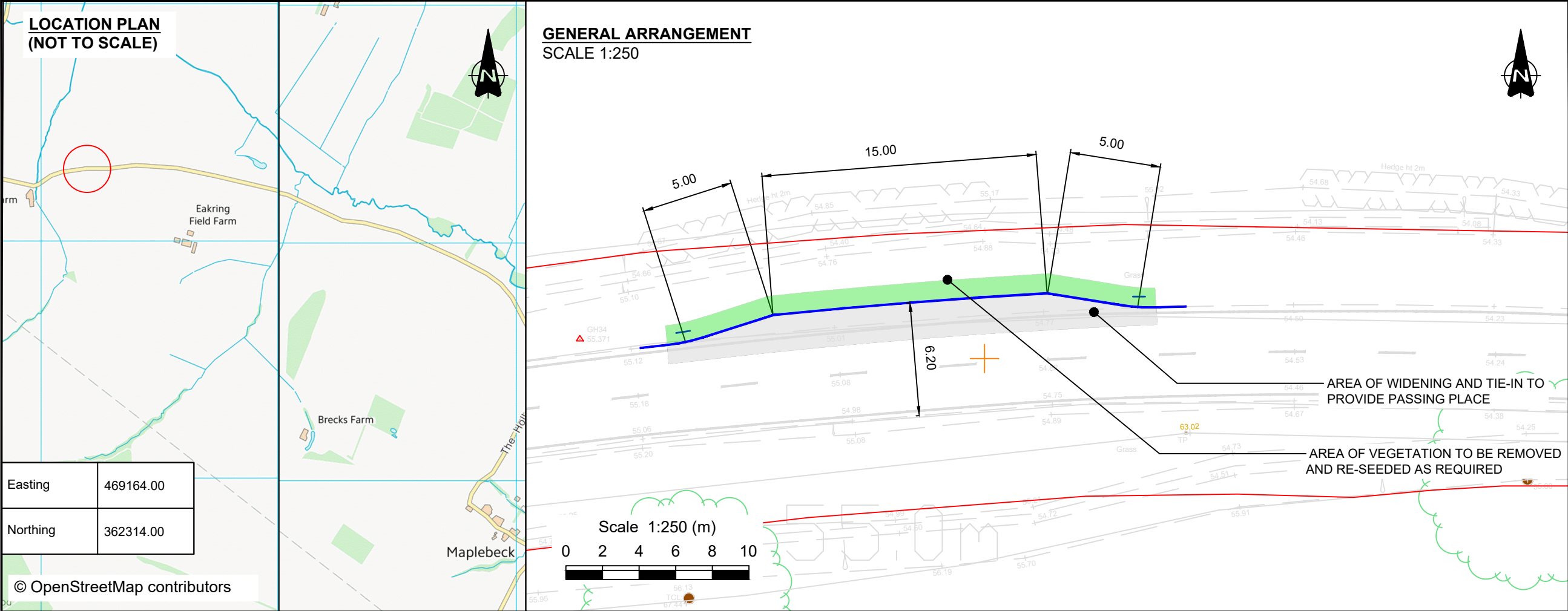
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Project  
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

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

Area of vegetation to be removed and re-seeded as require

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VEHICLE USED FOR SWEEP PATH

10.201

2.98

1.81

4.128

1.524

Large Tipper

Overall Length

2.495m

Overall Width

2.890m

Overall Body Height

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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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

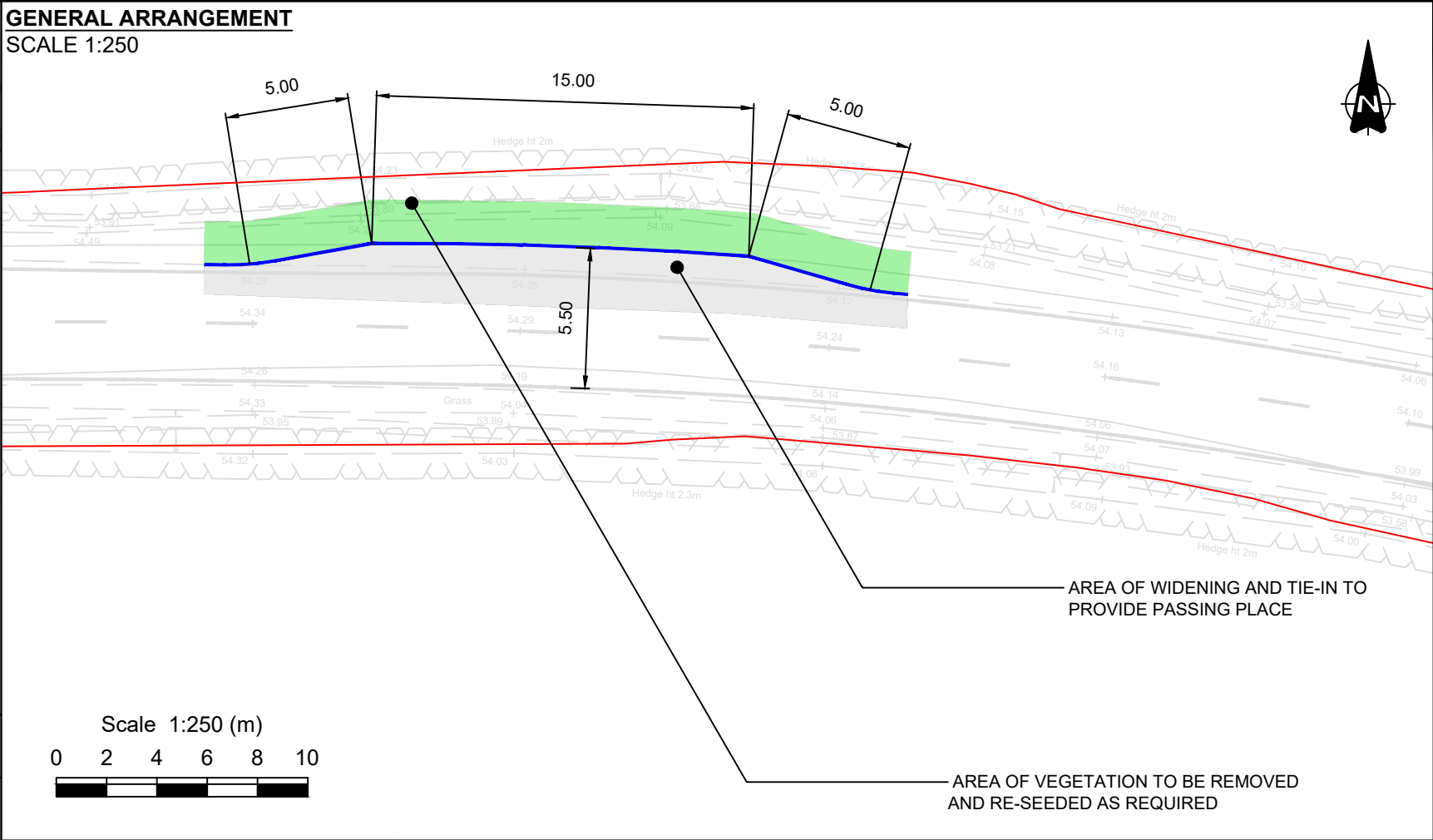
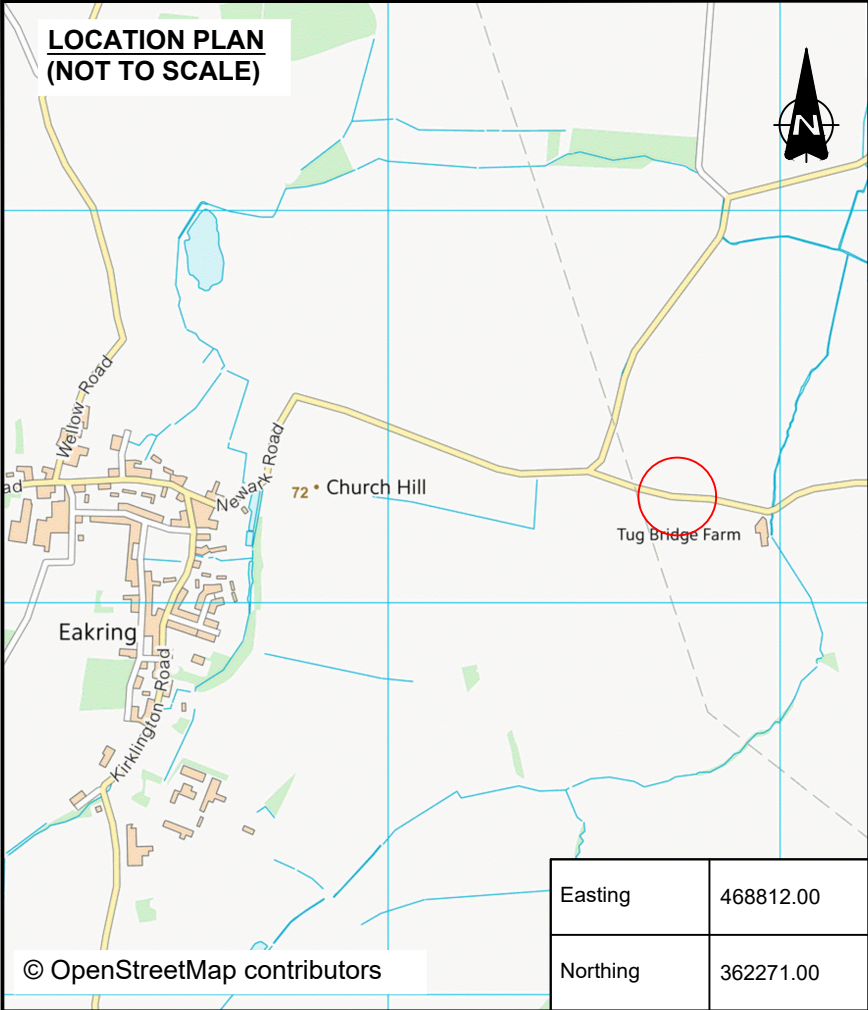
INFORMATION

Drawing Number

23D07-SK215

Rev.





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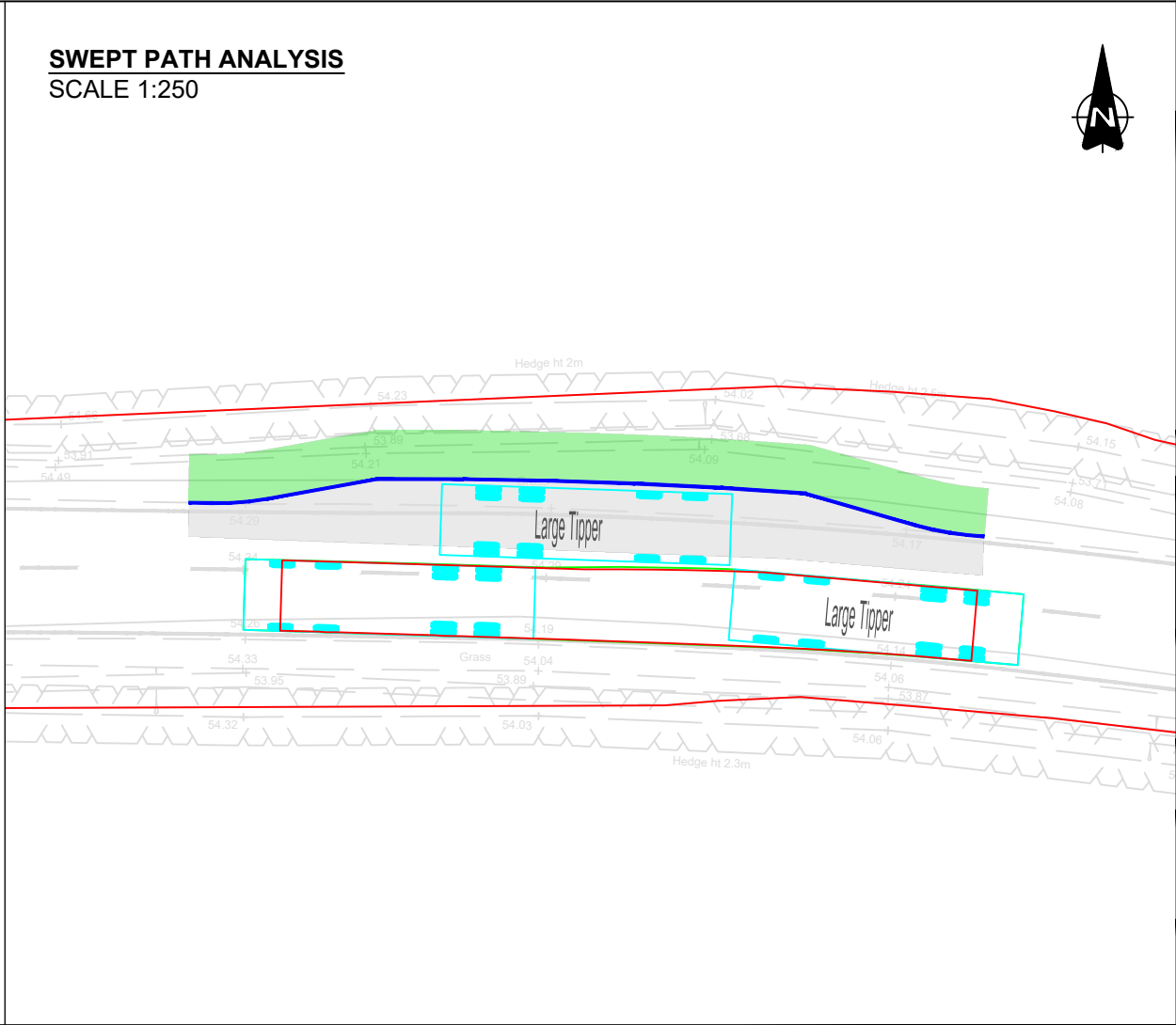
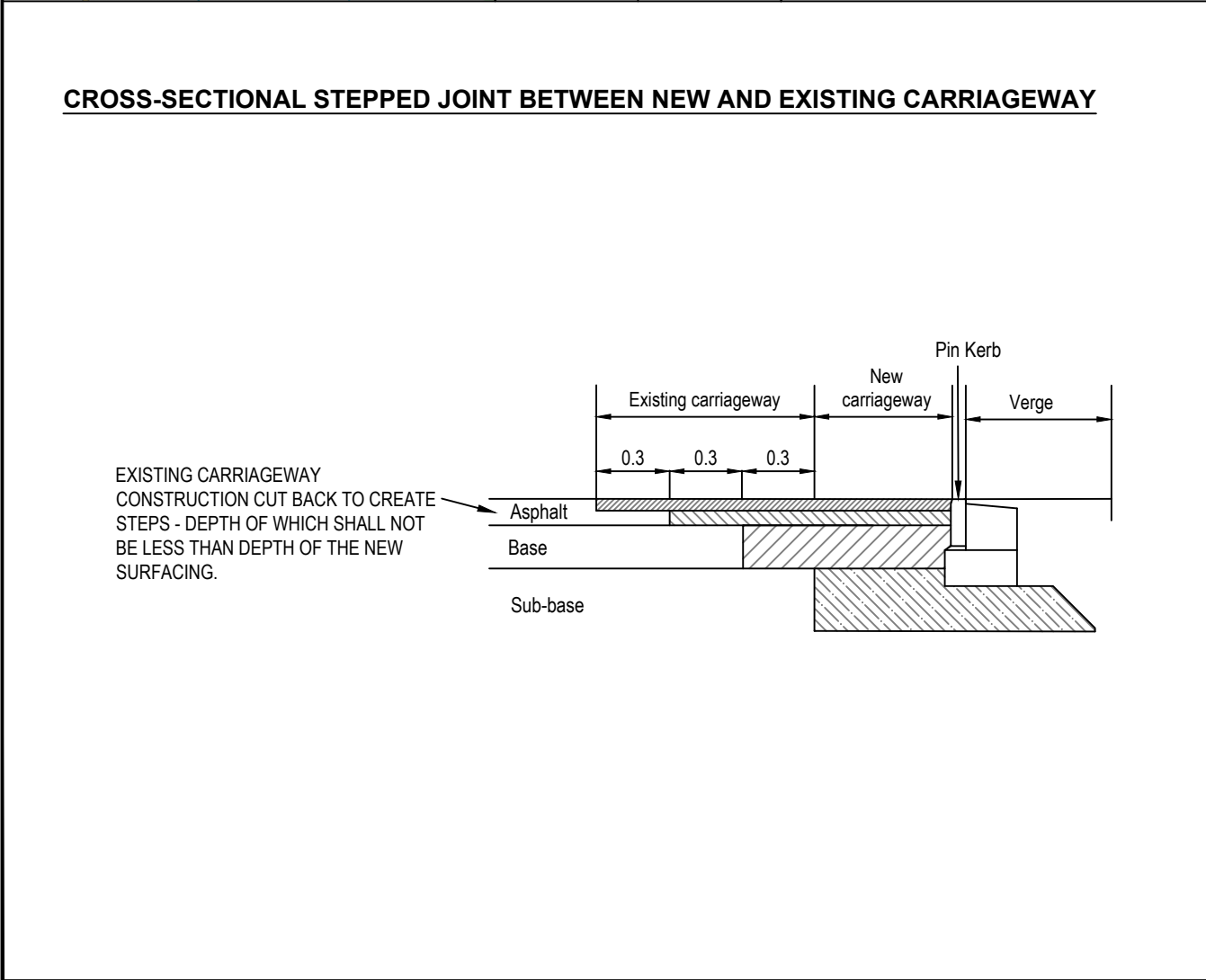
**KEY**

- Proposed 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	



Rev.	Date	Revision details	Drawn	Checked	Approved

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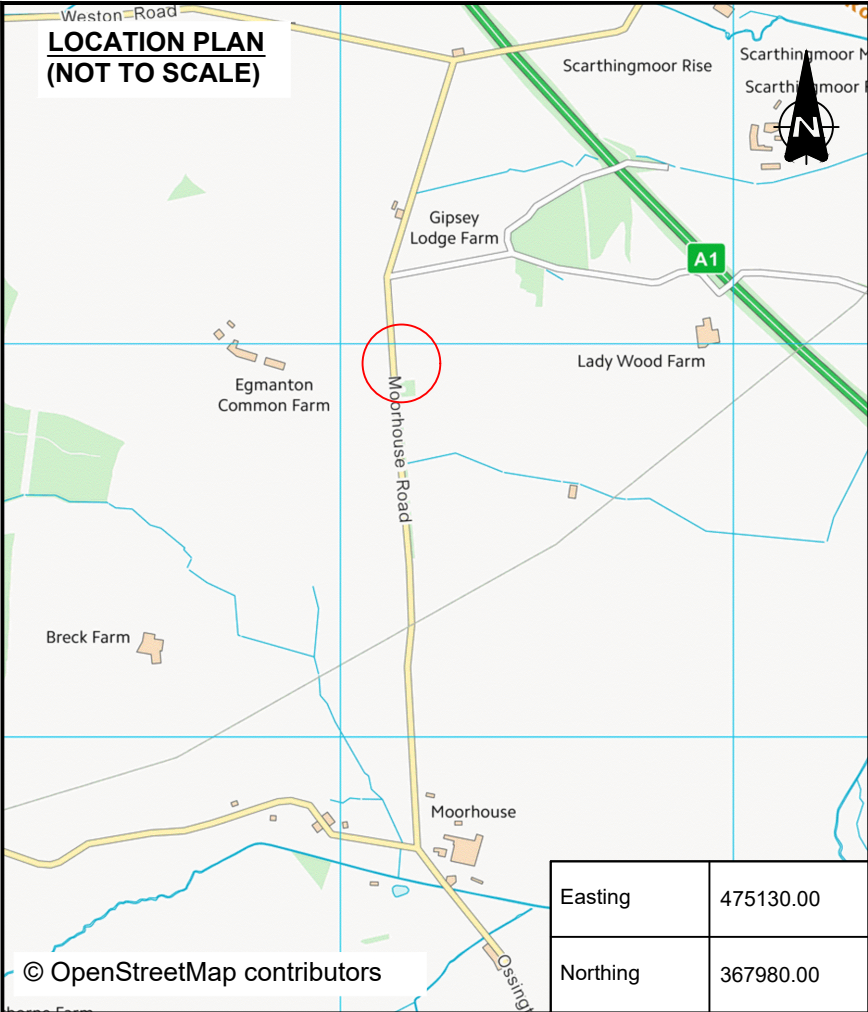
Project

GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title

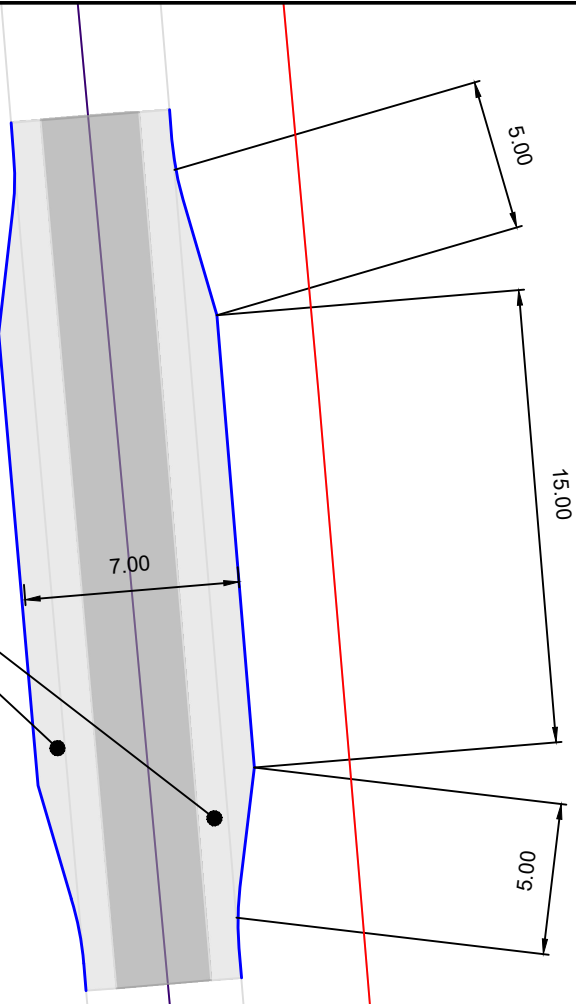
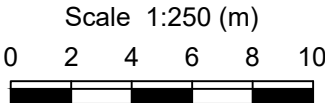
PROPOSED PASSING PLACE  
LOCATION 16

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

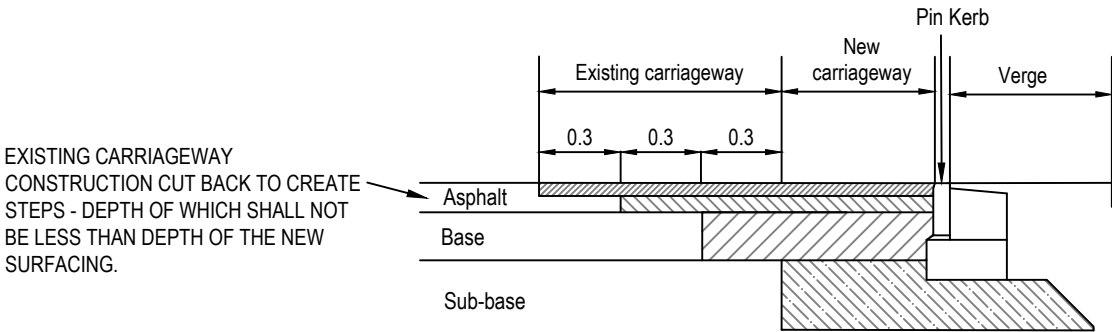


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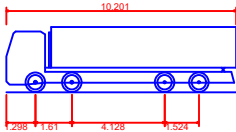
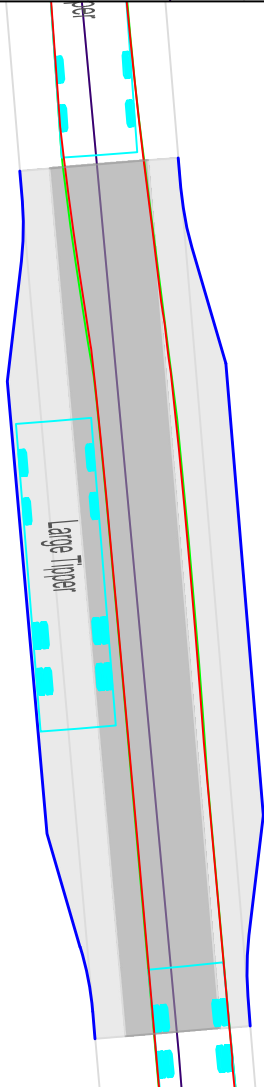
- KEY**
- Proposed Kerbline
  - Proposed Carriageway Widening
  - Order limits
  - Proposed new surface course

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**CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY**



**SWEPT PATH ANALYSIS**  
SCALE 1:250



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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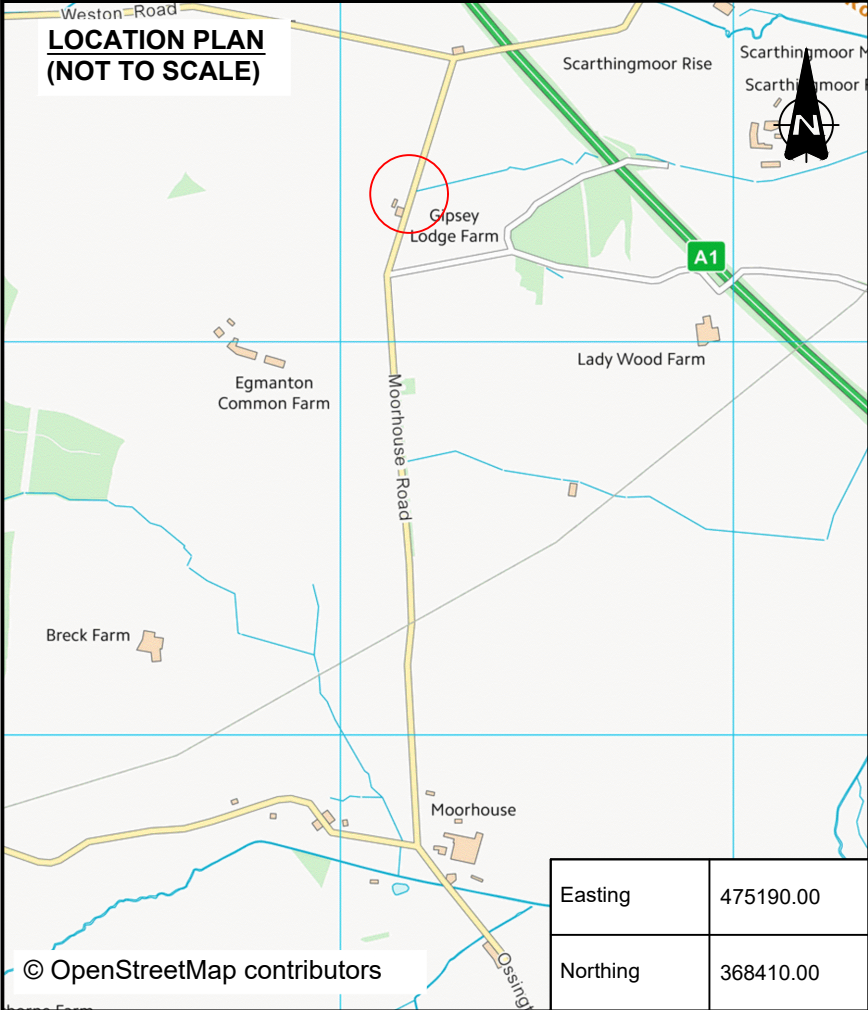
Project  
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title  
PROPOSED PASSING PLACE  
LOCATION 17

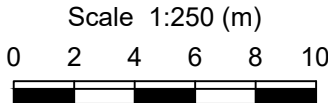
Drawn FW	Checked JH	Approved SE
Original dwg. size A3	Date 21.05.25	Scale AS SHOWN
Drawing Status INFORMATION		Drawing Number 23D07-SK217
		Rev.



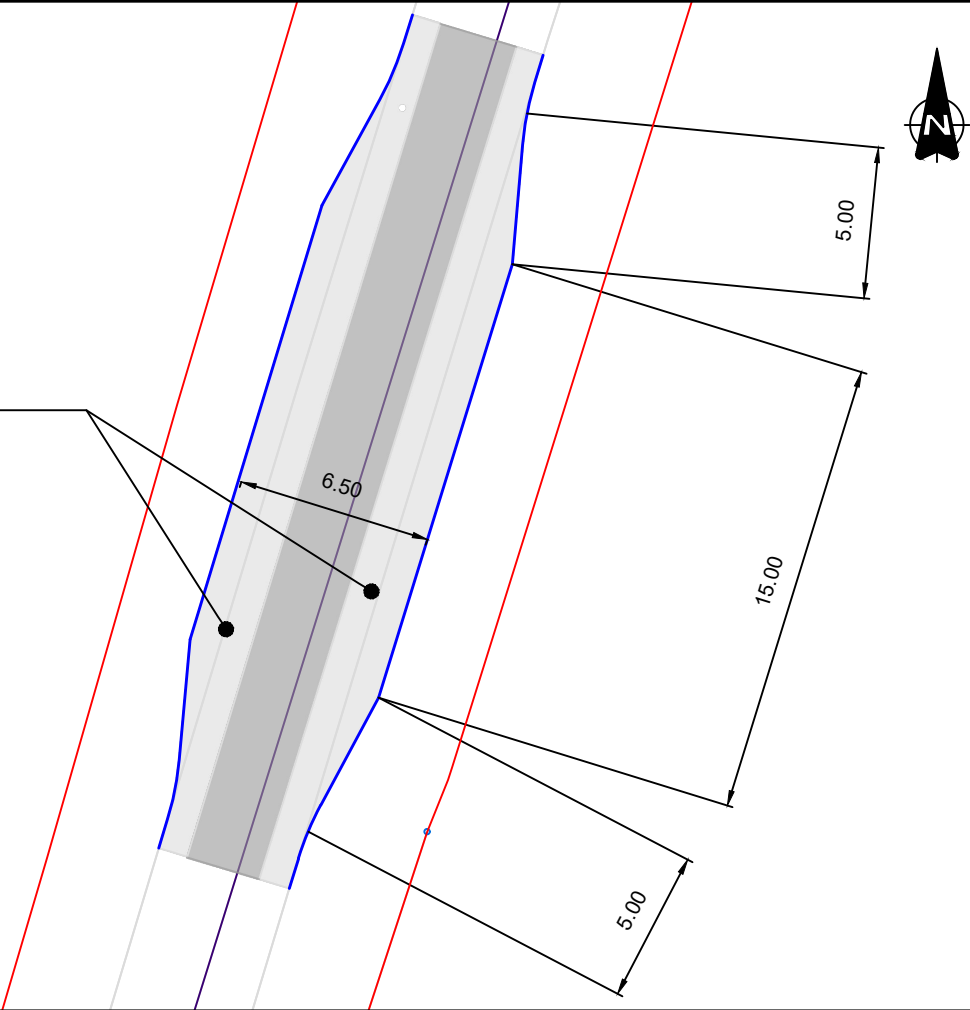




**GENERAL ARRANGEMENT**  
SCALE 1:250



AREA OF WIDENING AND TIE-IN TO  
PROVIDE PASSING PLACE

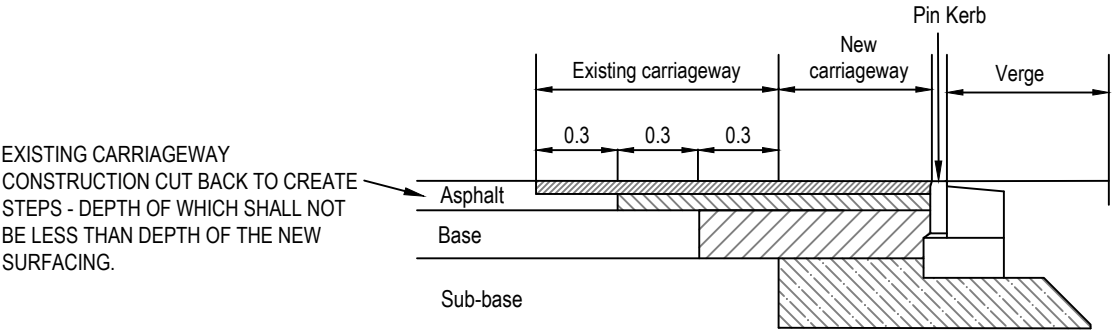


- NOTES**
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  - This drawing is for planning purposes only.

- KEY**
- Proposed Kerblines
  - Proposed Carriageway Widening
  - Order limits
  - Proposed new surface course

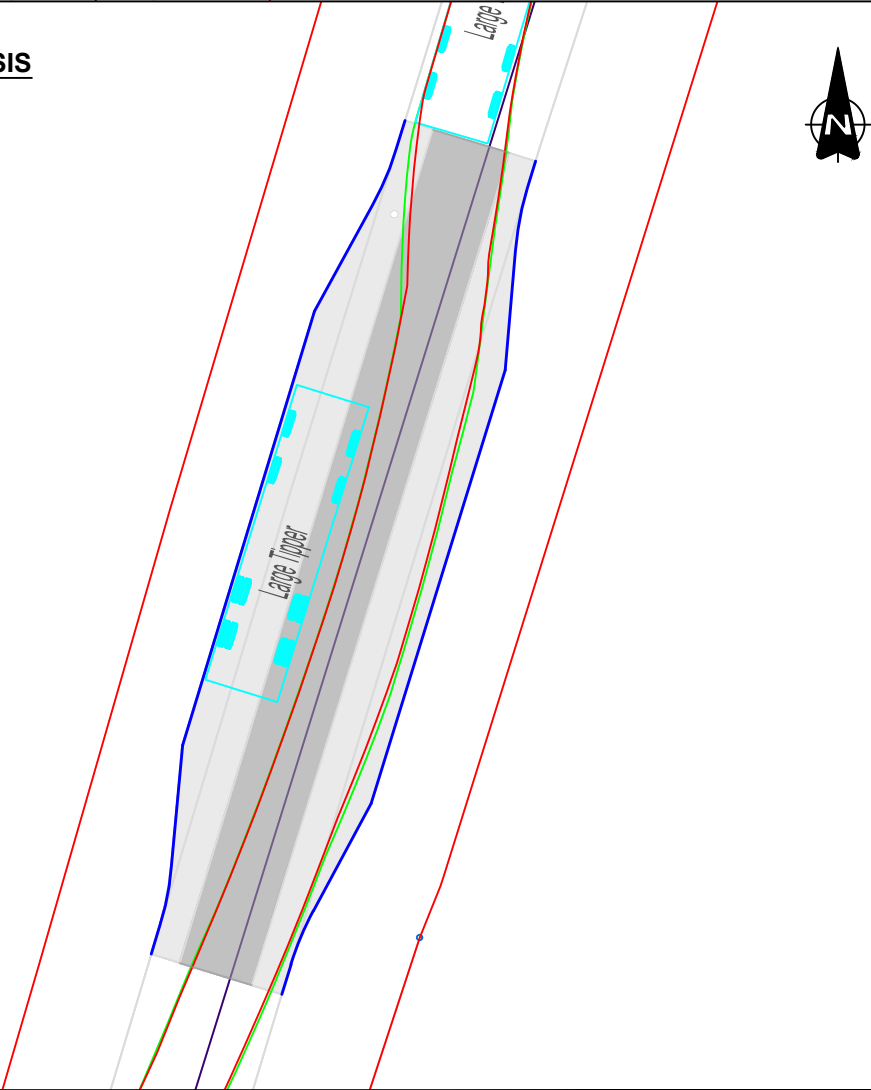
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**CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY**

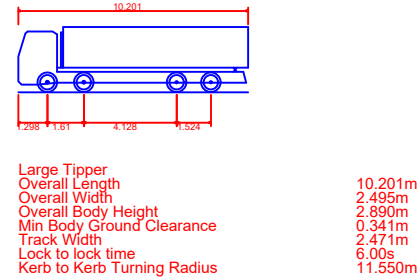


EXISTING CARRIAGEWAY  
CONSTRUCTION CUT BACK TO CREATE  
STEPS - DEPTH OF WHICH SHALL NOT  
BE LESS THAN DEPTH OF THE NEW  
SURFACING.

**SWEPT PATH ANALYSIS**  
SCALE 1:250



**VEHICLE USED FOR SWEEP PATH**

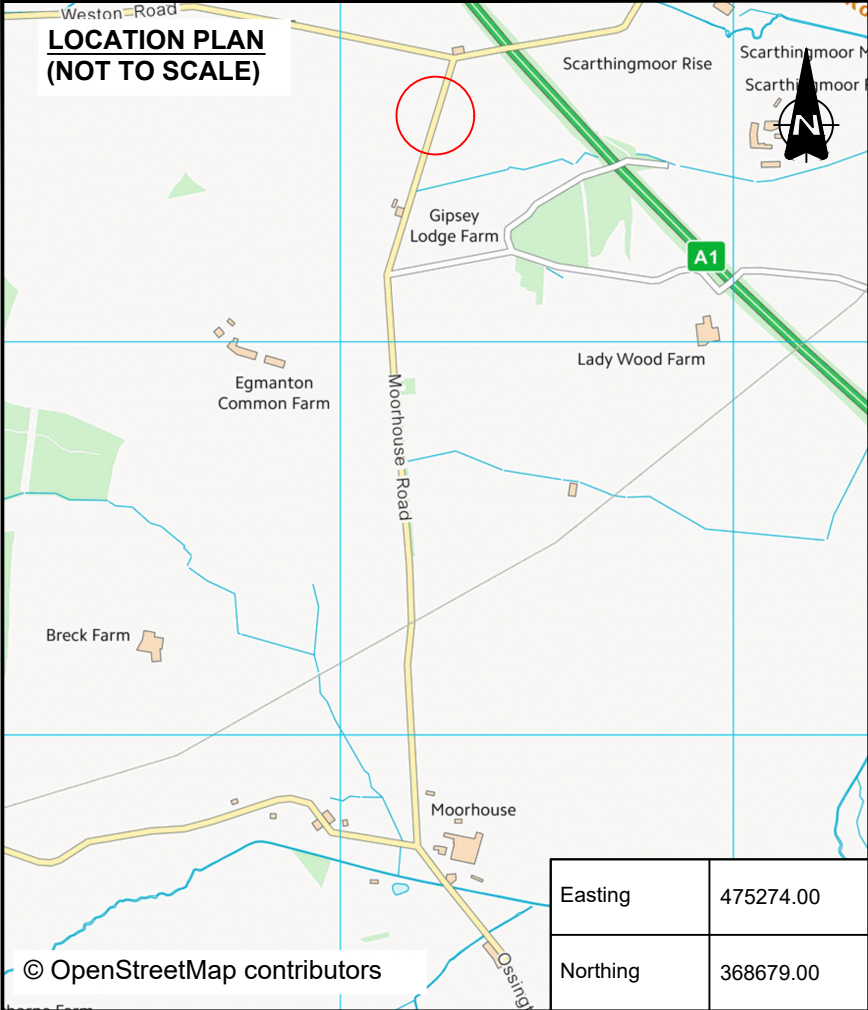


Rev.	Date	Revision details	Drawn	Checked	Approved

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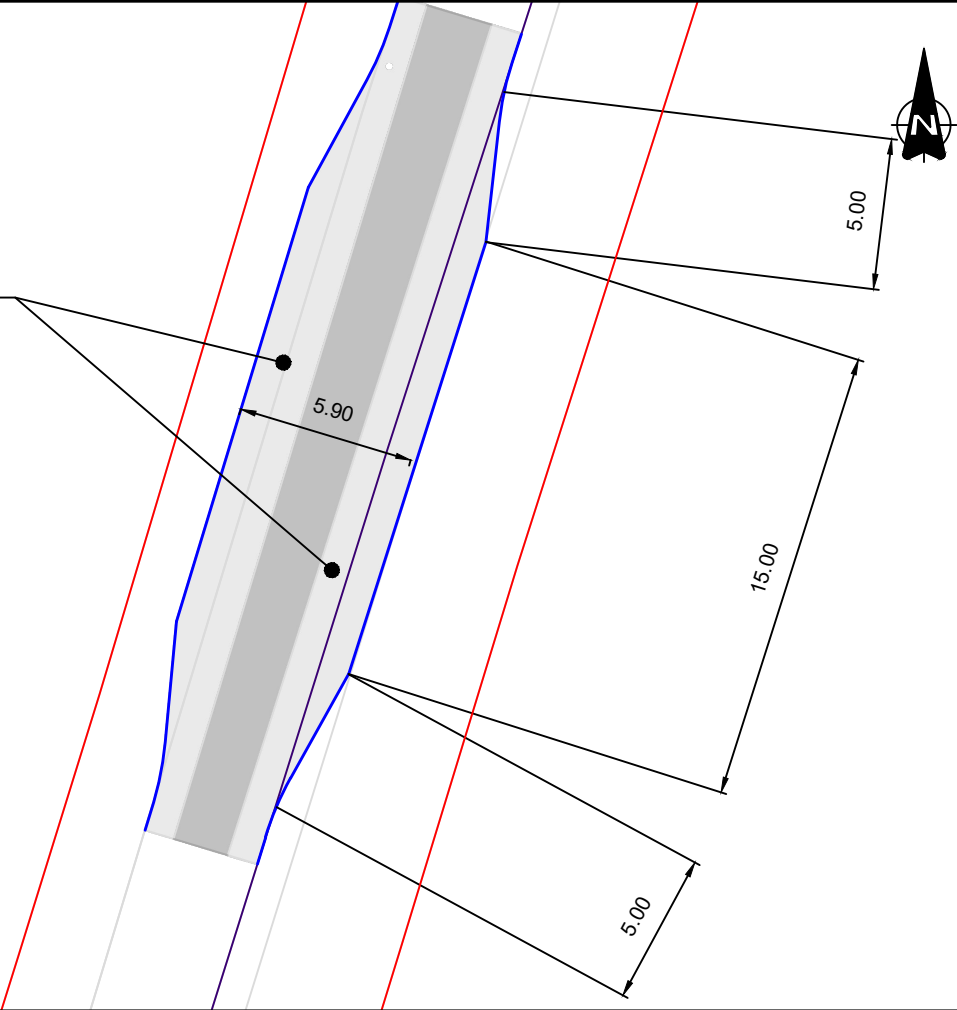
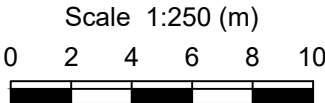
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Client ELEMENTS GREEN TRENT LTD.		
Project GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK		
Title PROPOSED PASSING PLACE LOCATION 19		
Drawn FW	Checked JH	Approved SE
Original dwg. size A3	Date 21.05.25	Scale AS SHOWN
Drawing Number 23D07-SK219		Rev.





**GENERAL ARRANGEMENT**  
SCALE 1:250

AREA OF WIDENING AND TIE-IN TO  
PROVIDE PASSING PLACE

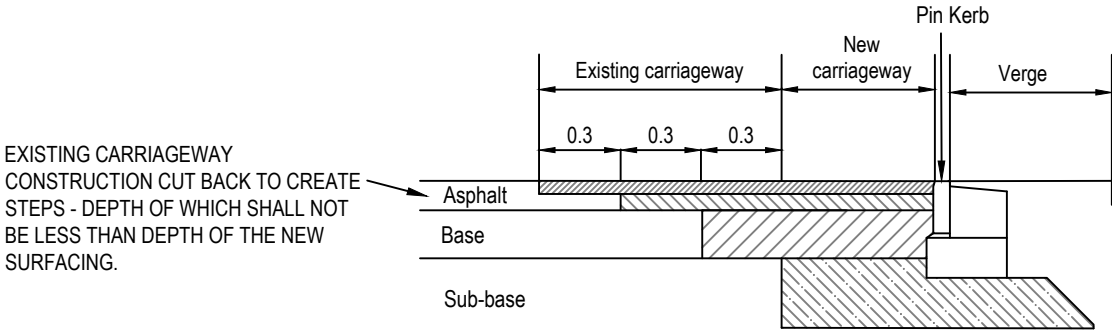


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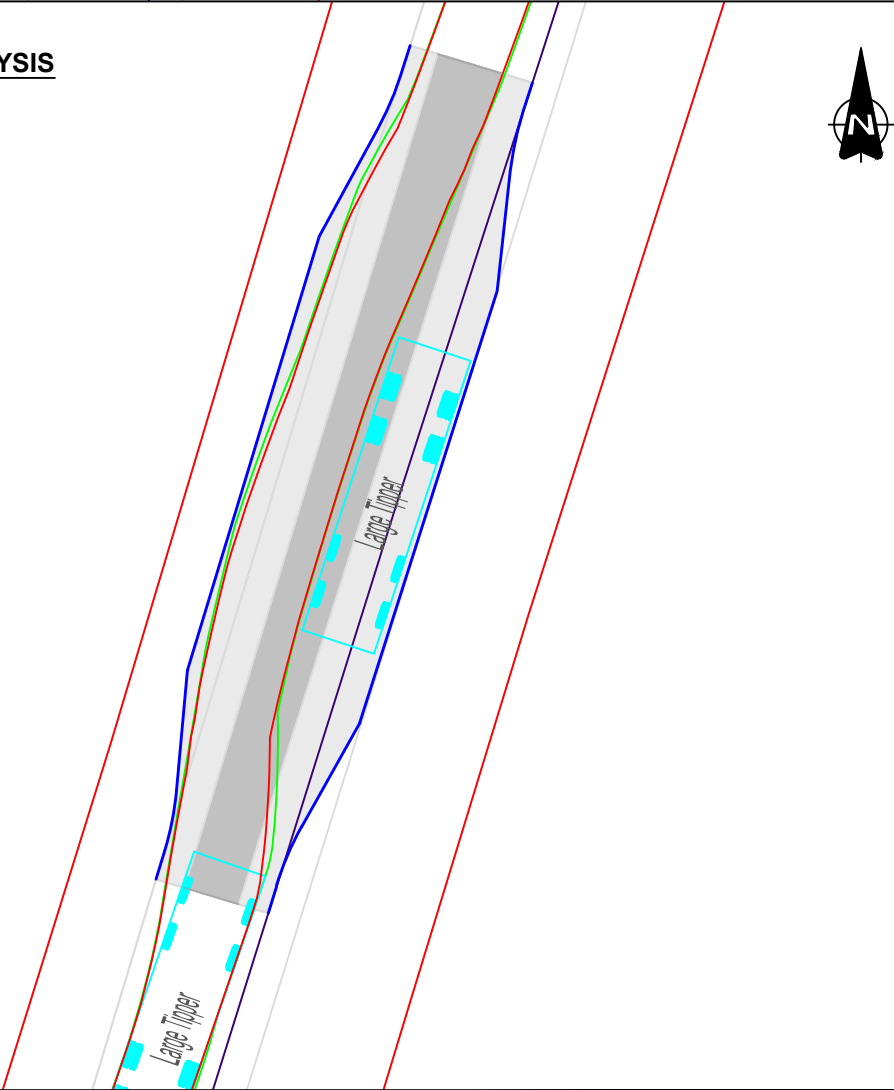
- KEY**
- Proposed Kerblines
  - Proposed Carriageway Widening
  - Order limits
  - Proposed new surface course

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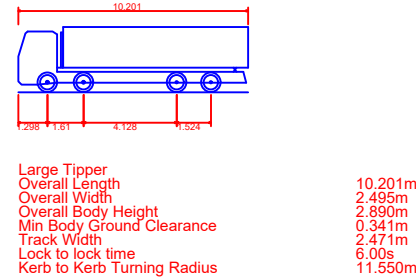
**CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY**



**SWEPT PATH ANALYSIS**  
SCALE 1:250



**VEHICLE USED FOR SWEEP PATH**



Rev.	Date	Revision details	Drawn	Checked	Approved

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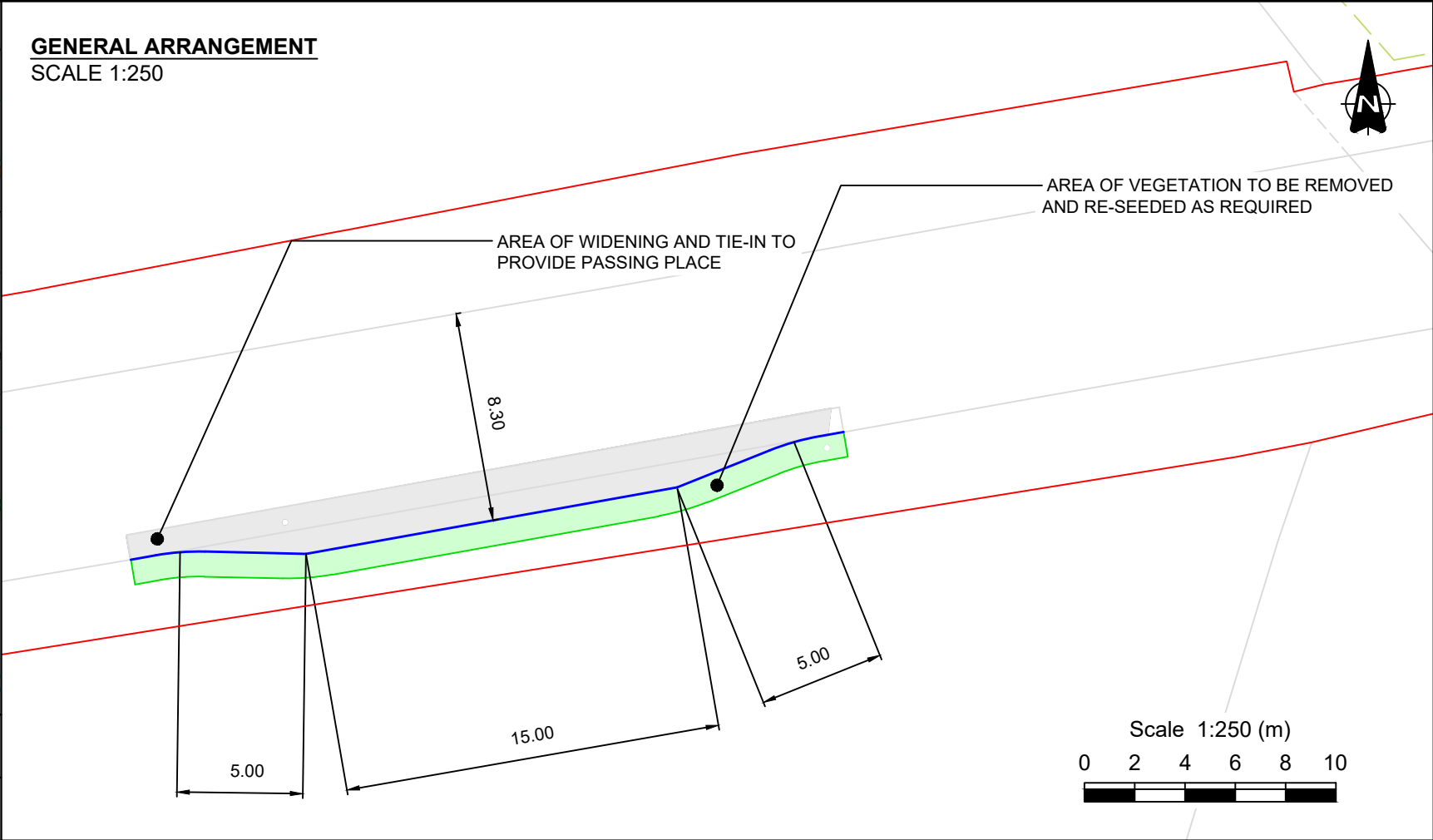
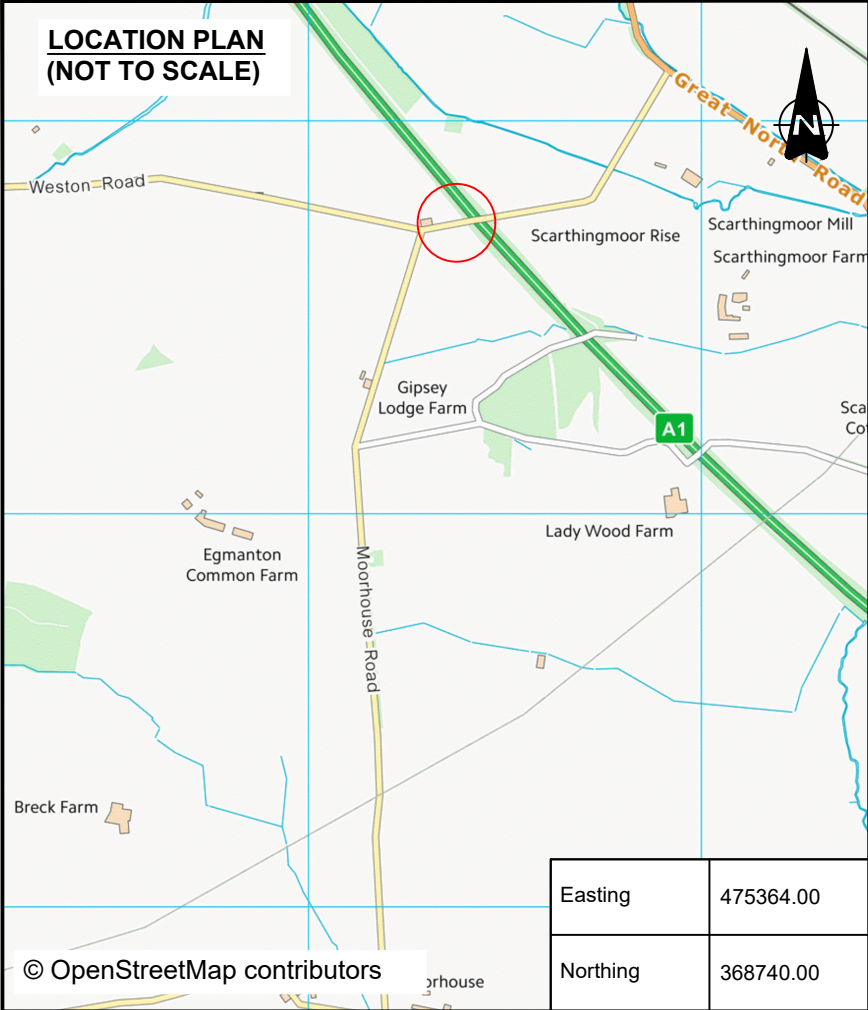
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Project  
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

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.



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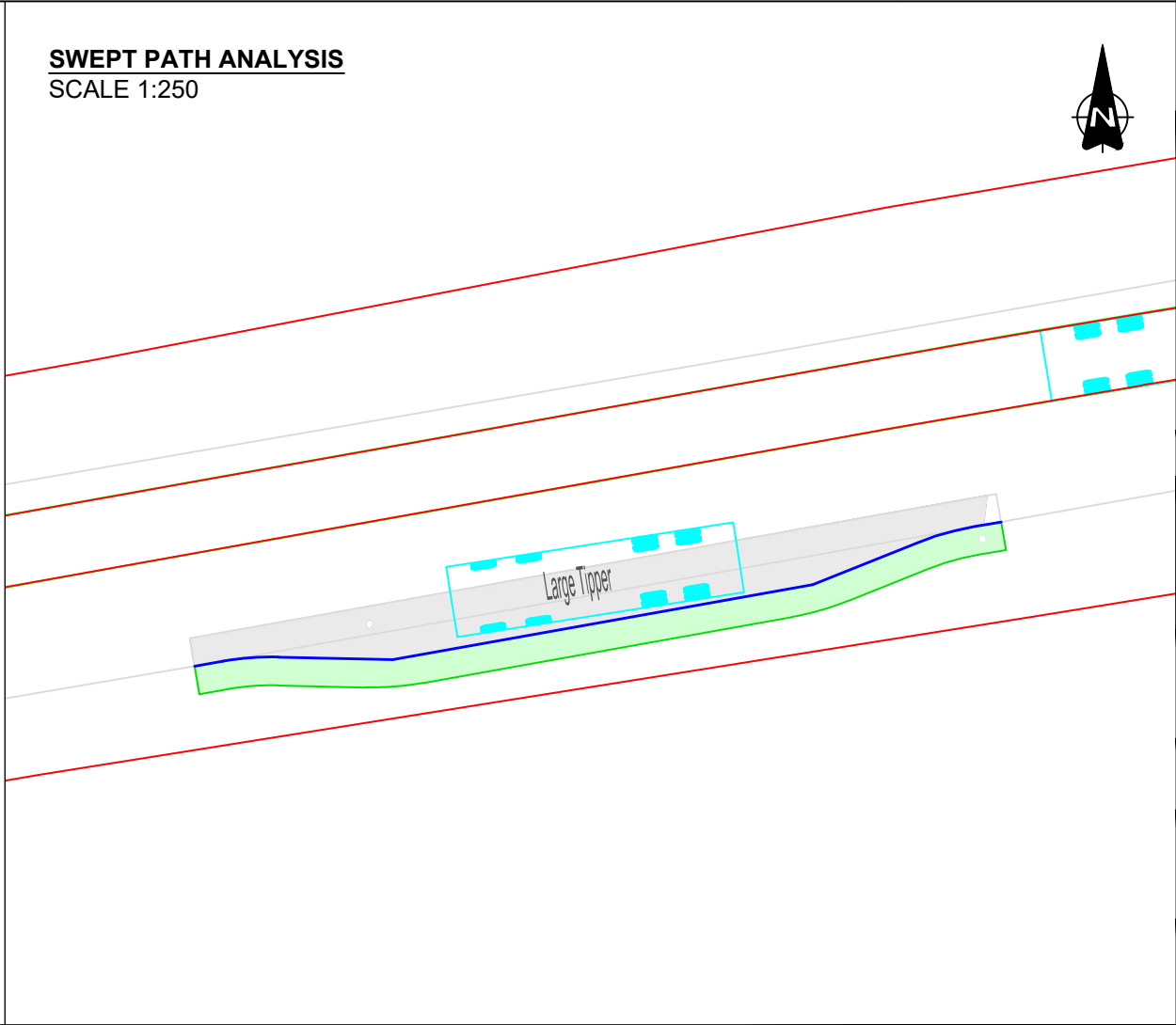
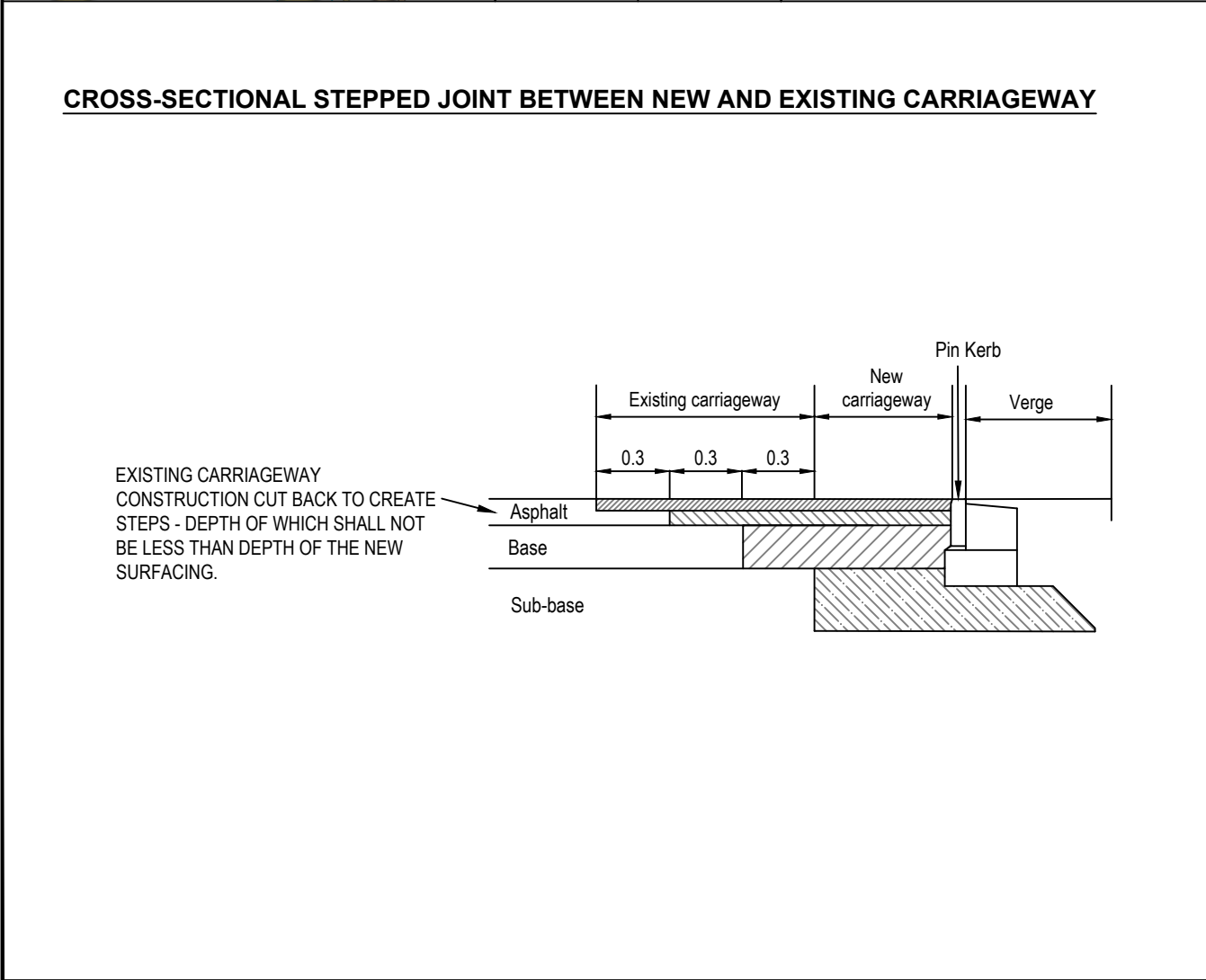
**KEY**

- 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



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NE1 1LE

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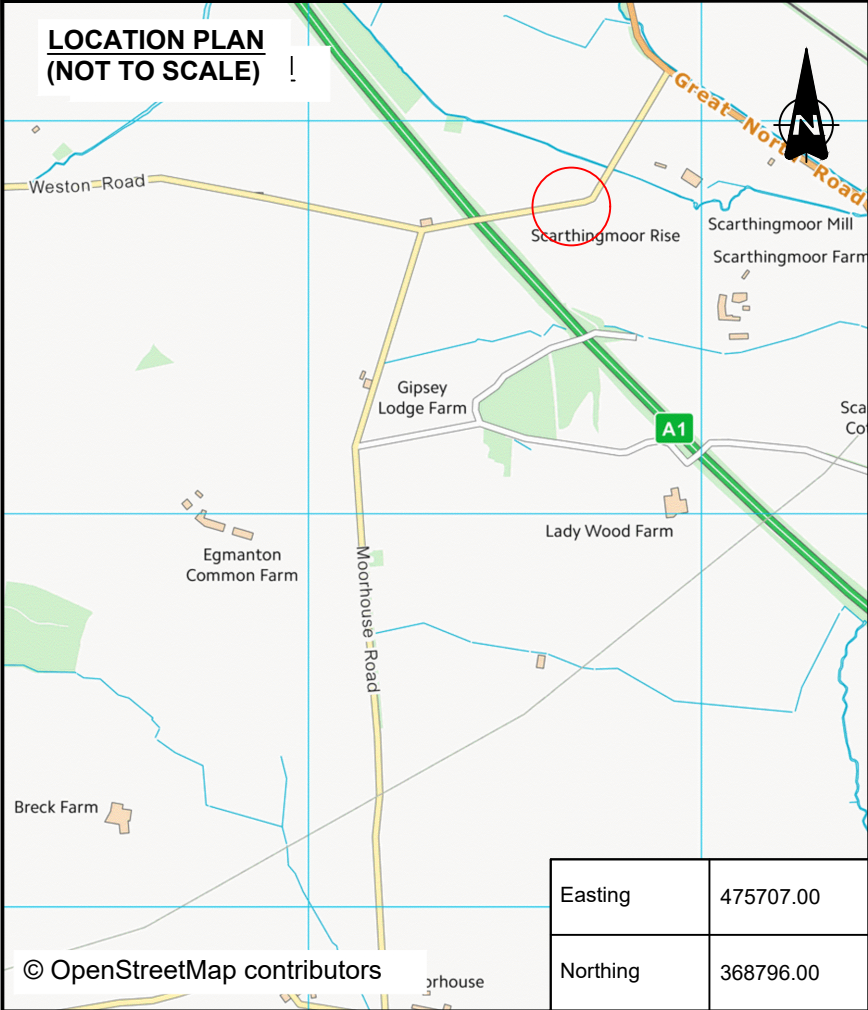
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title

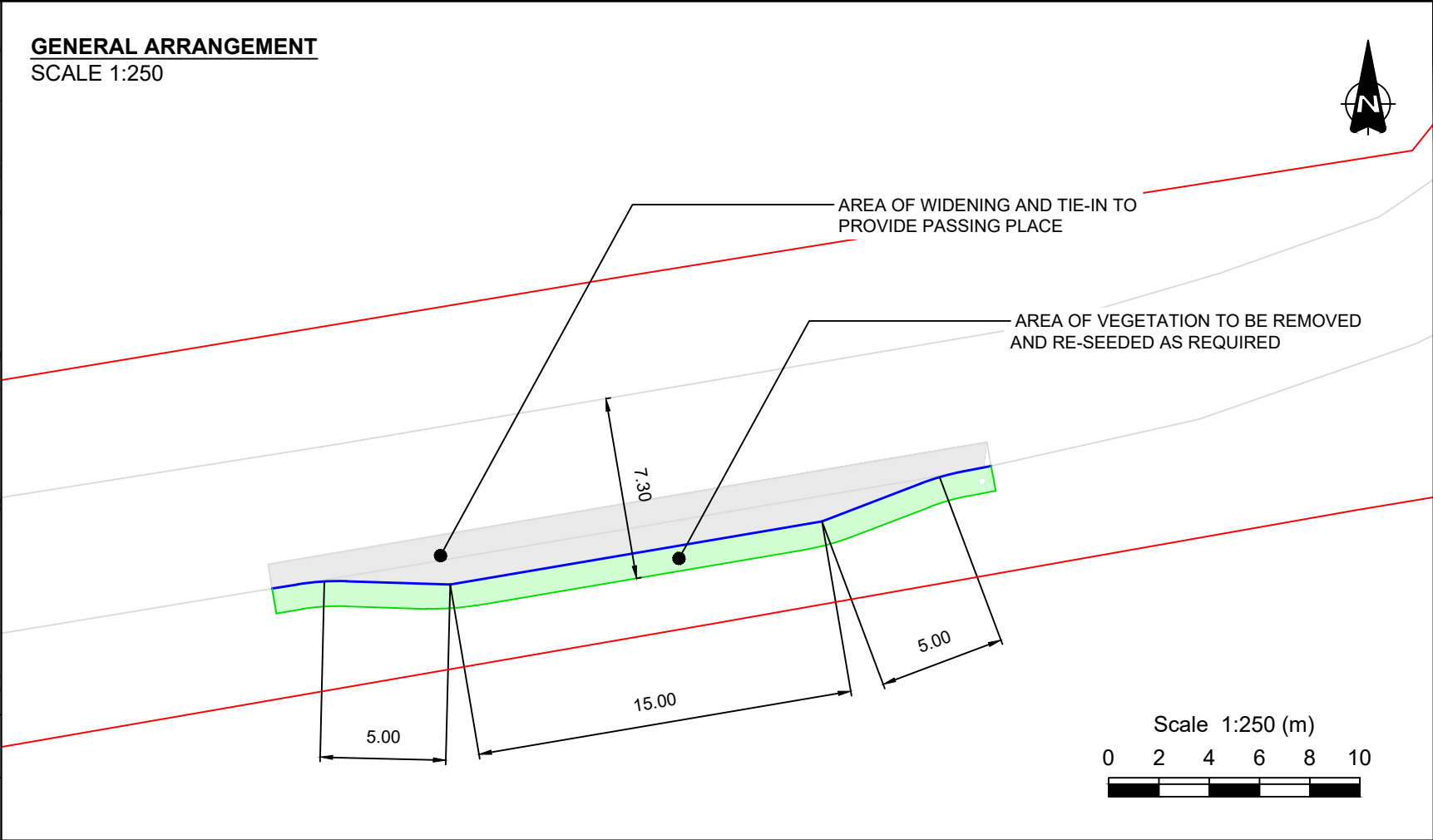
PROPOSED PASSING PLACE  
LOCATION 21

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK221	Rev.





**GENERAL ARRANGEMENT**  
SCALE 1:250

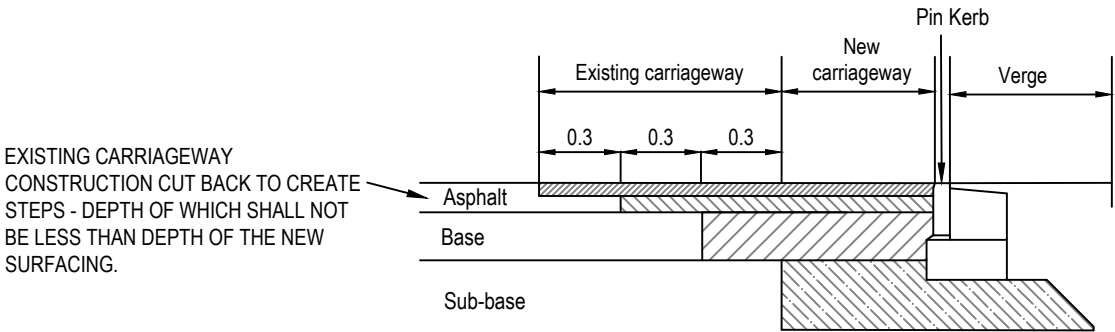


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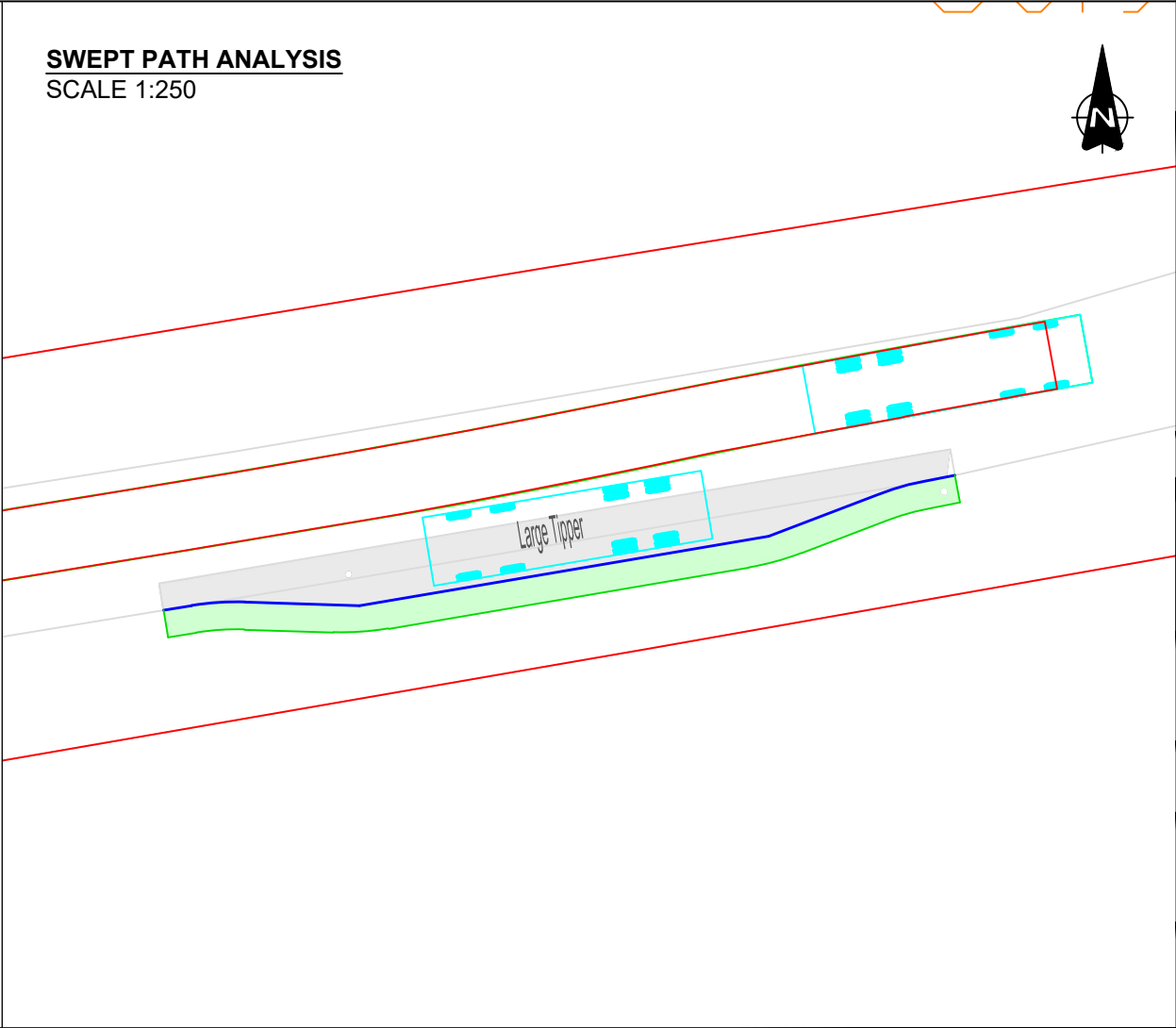
- KEY**
- Proposed Kerbline
  - Proposed Carriageway Widening
  - Order limits
  - Area of vegetation to be removed and re-seeded as require

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**CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY**



**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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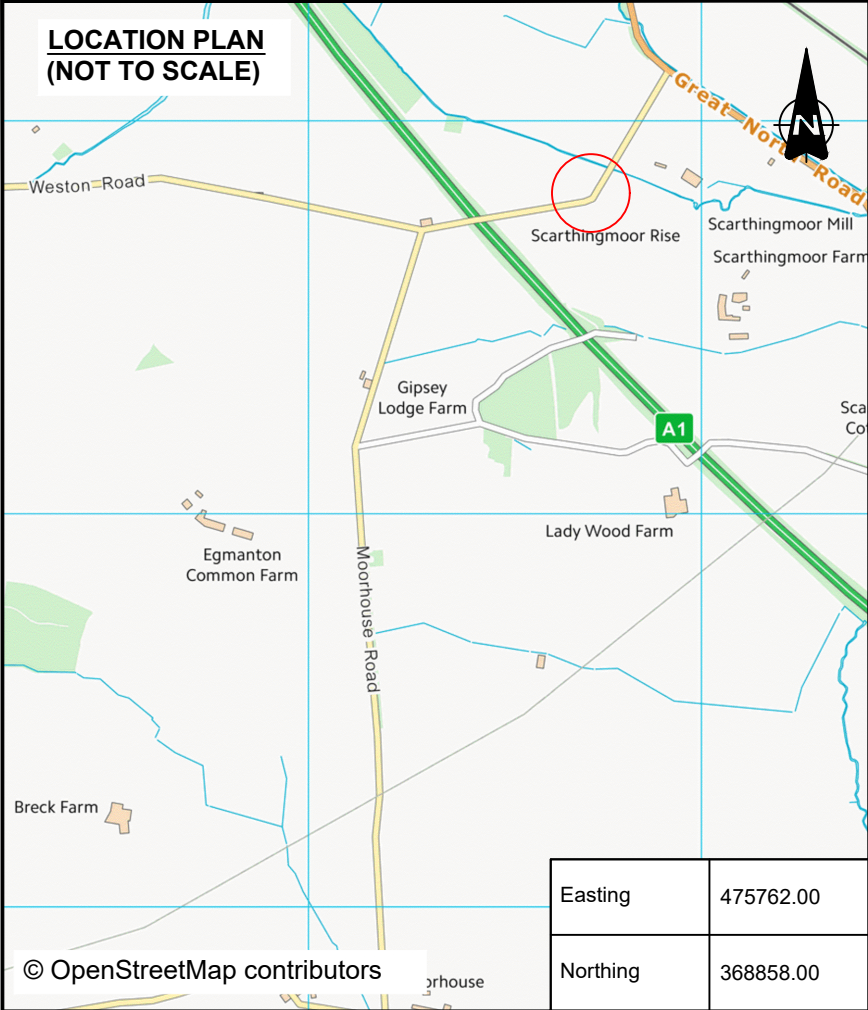
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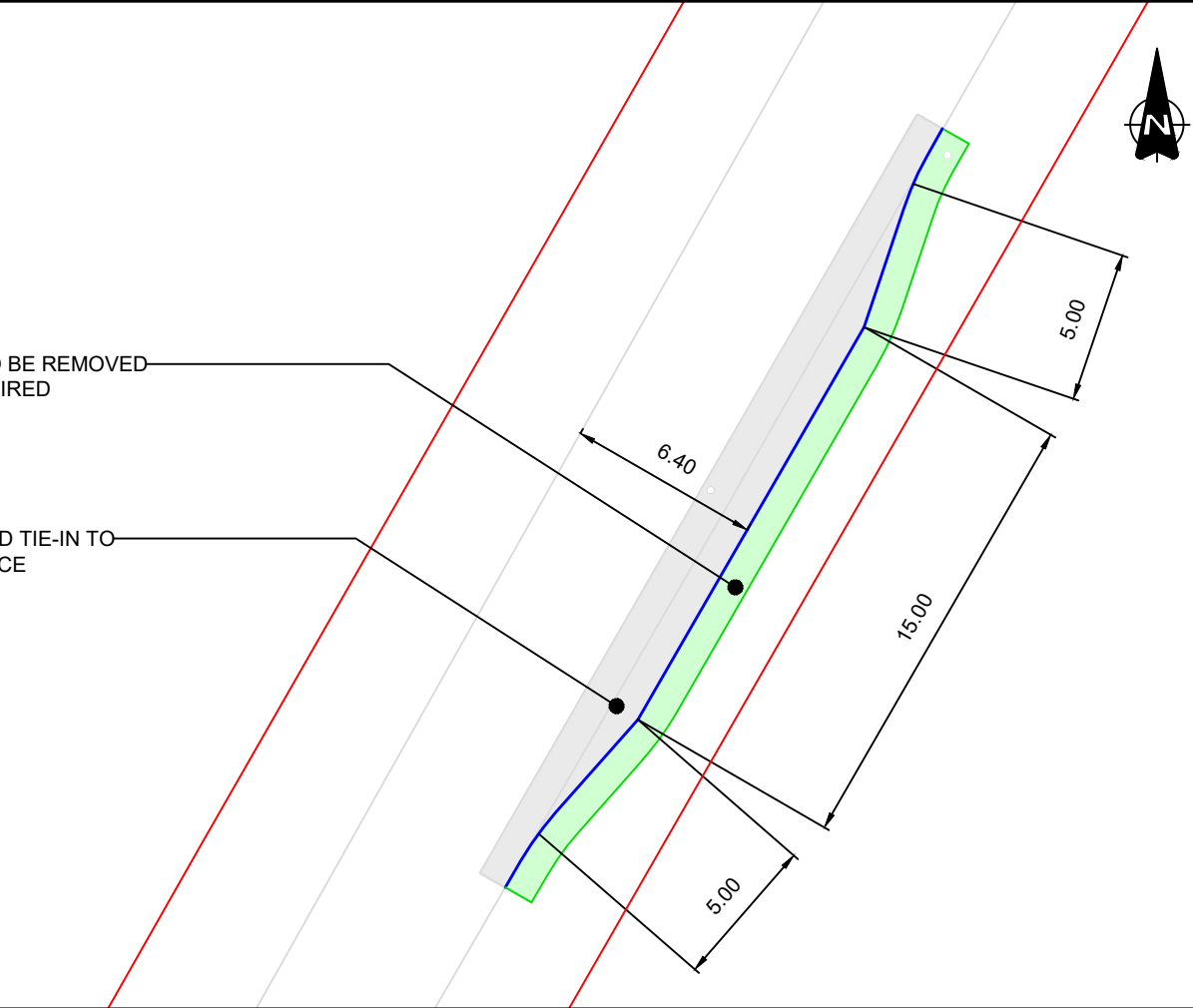
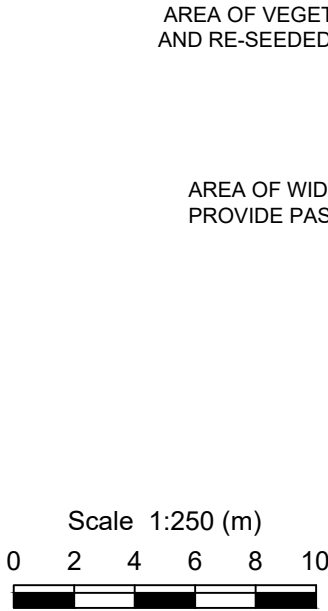
Project  
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

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.



**GENERAL ARRANGEMENT**  
SCALE 1:250

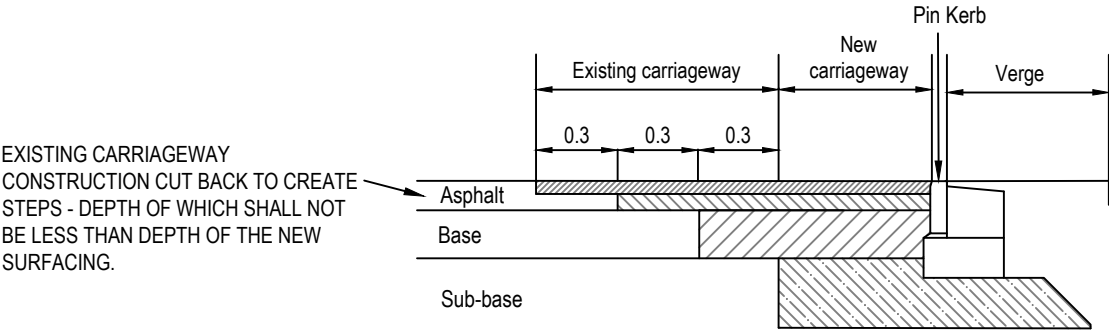


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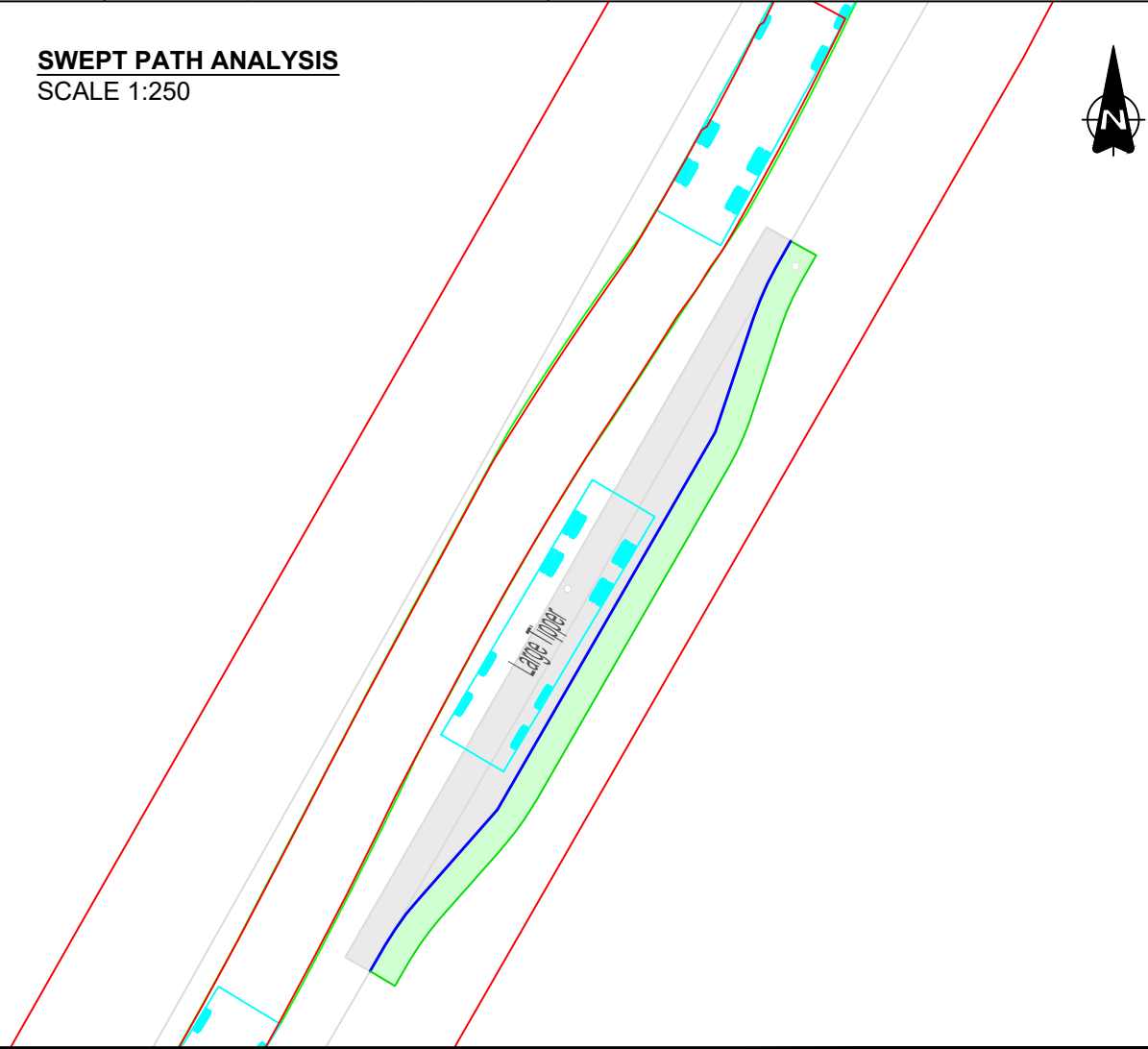
- KEY**
- Proposed Kerbline
  - Proposed Carriageway Widening
  - Order limits
  - Area of vegetation to be removed and re-seeded as require

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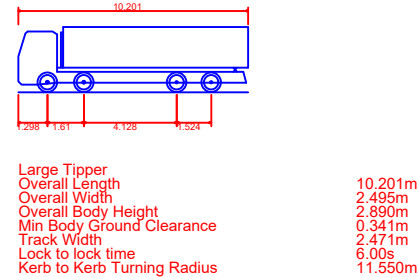
**CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY**



**SWEPT PATH ANALYSIS**  
SCALE 1:250



**VEHICLE USED FOR SWEEP PATH**



Rev.	Date	Revision details	Drawn	Checked	Approved

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Project

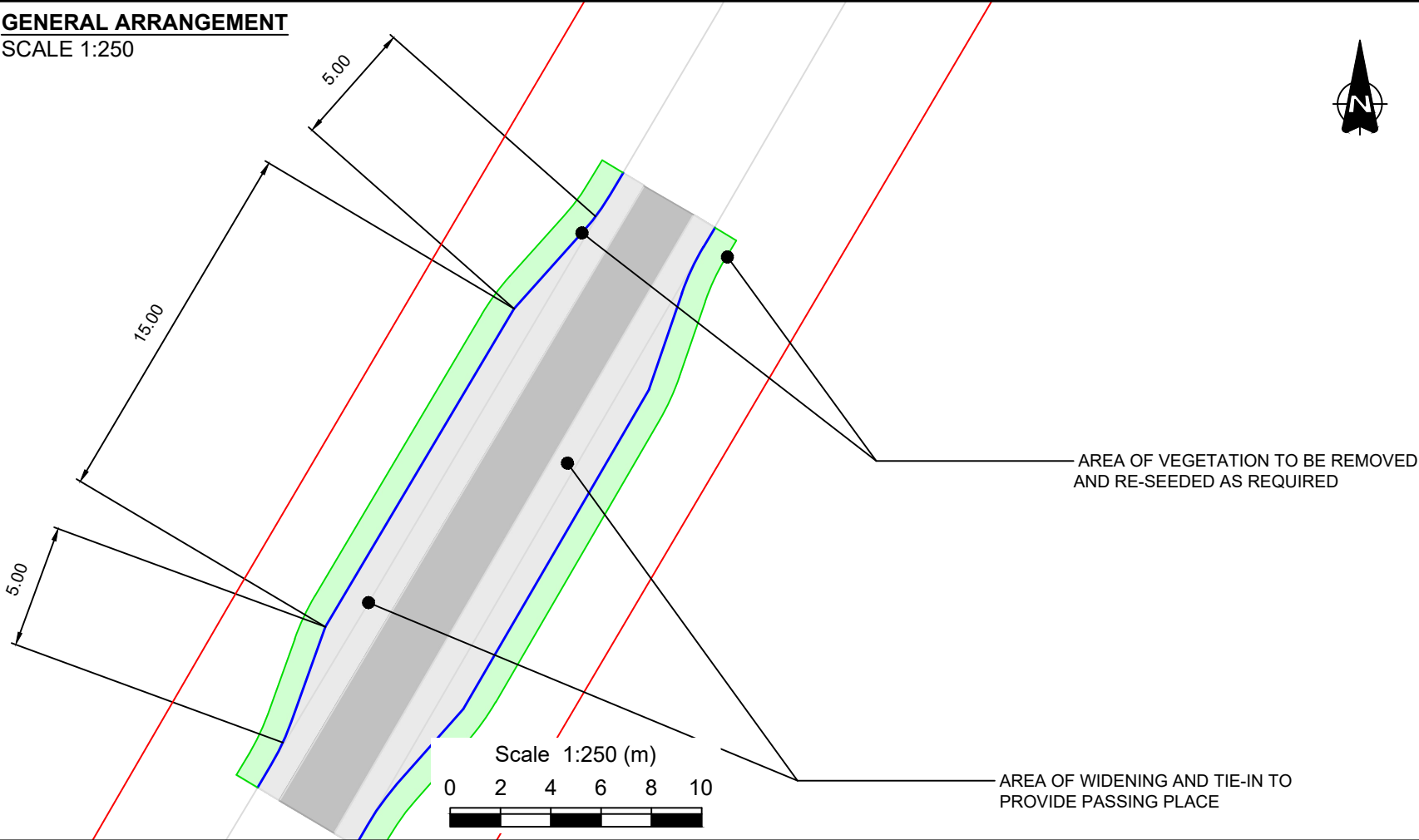
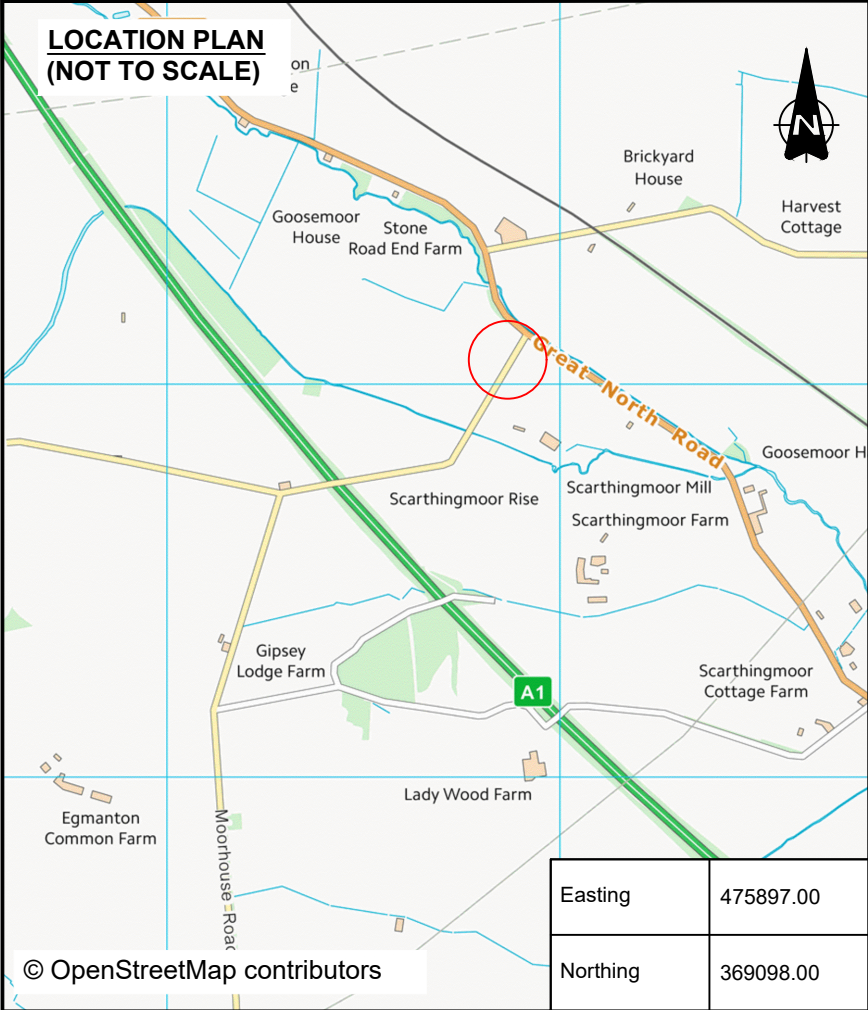
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title

PROPOSED PASSING PLACE  
LOCATION 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.





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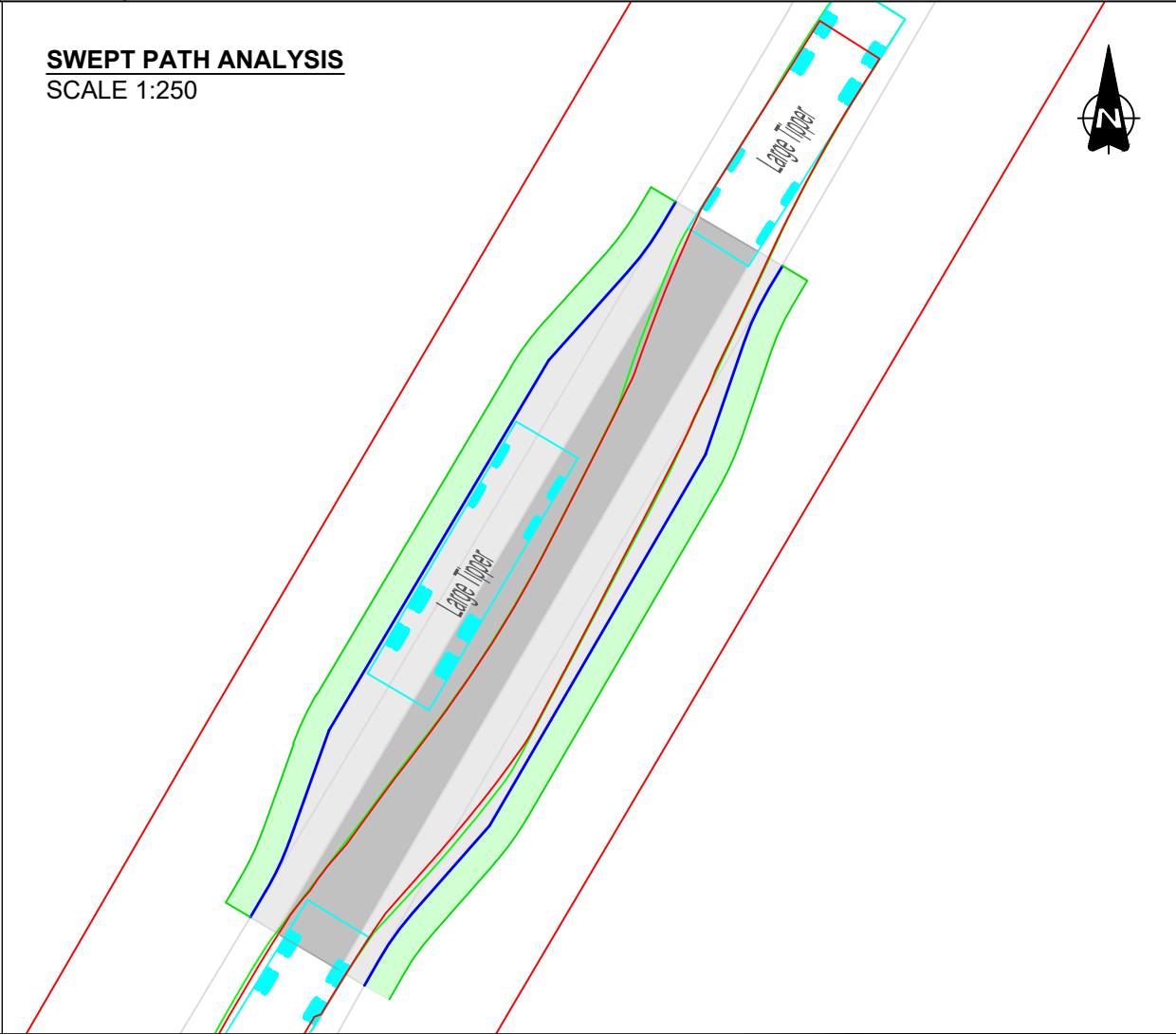
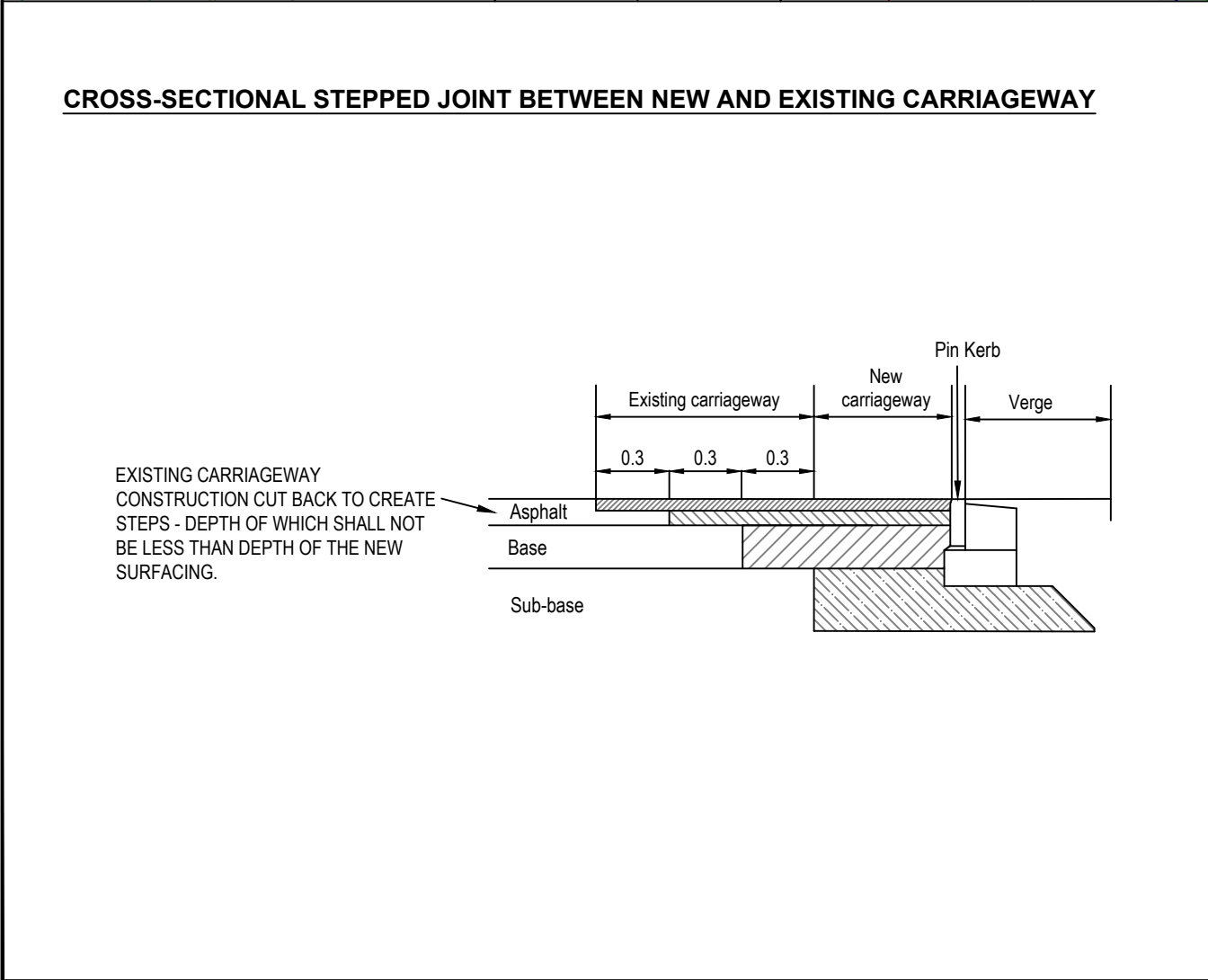
**KEY**

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

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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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NE1 1LE

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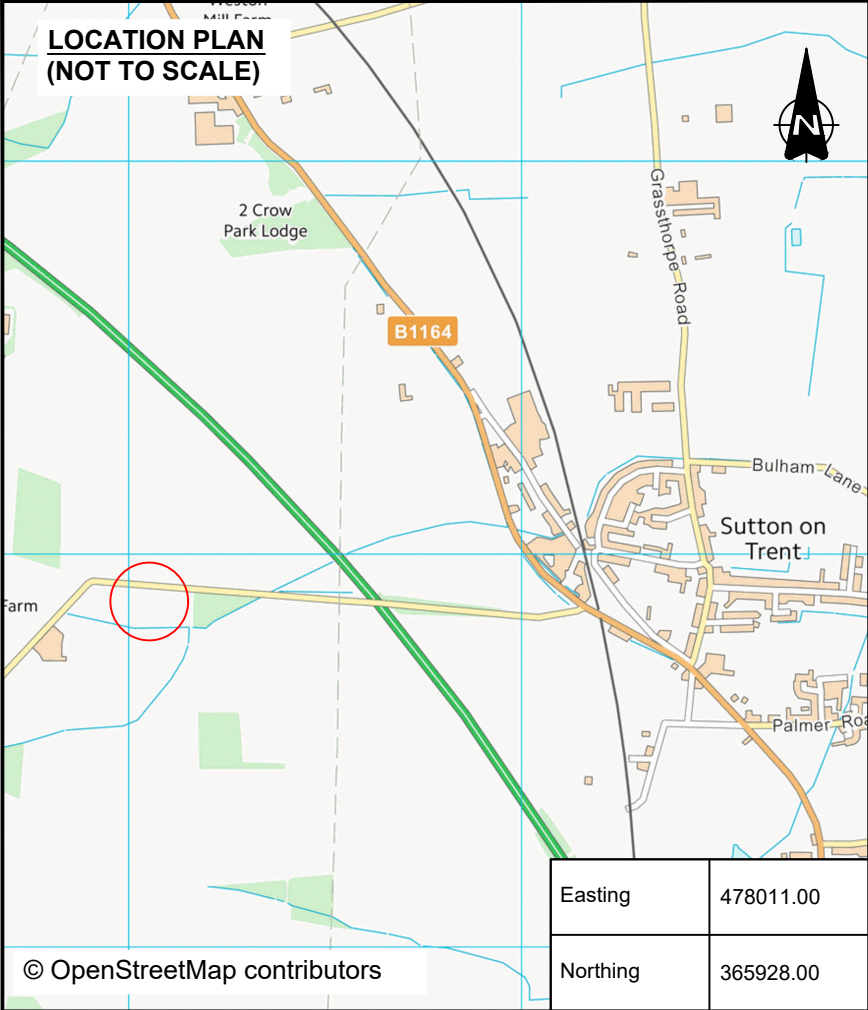
Project

GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

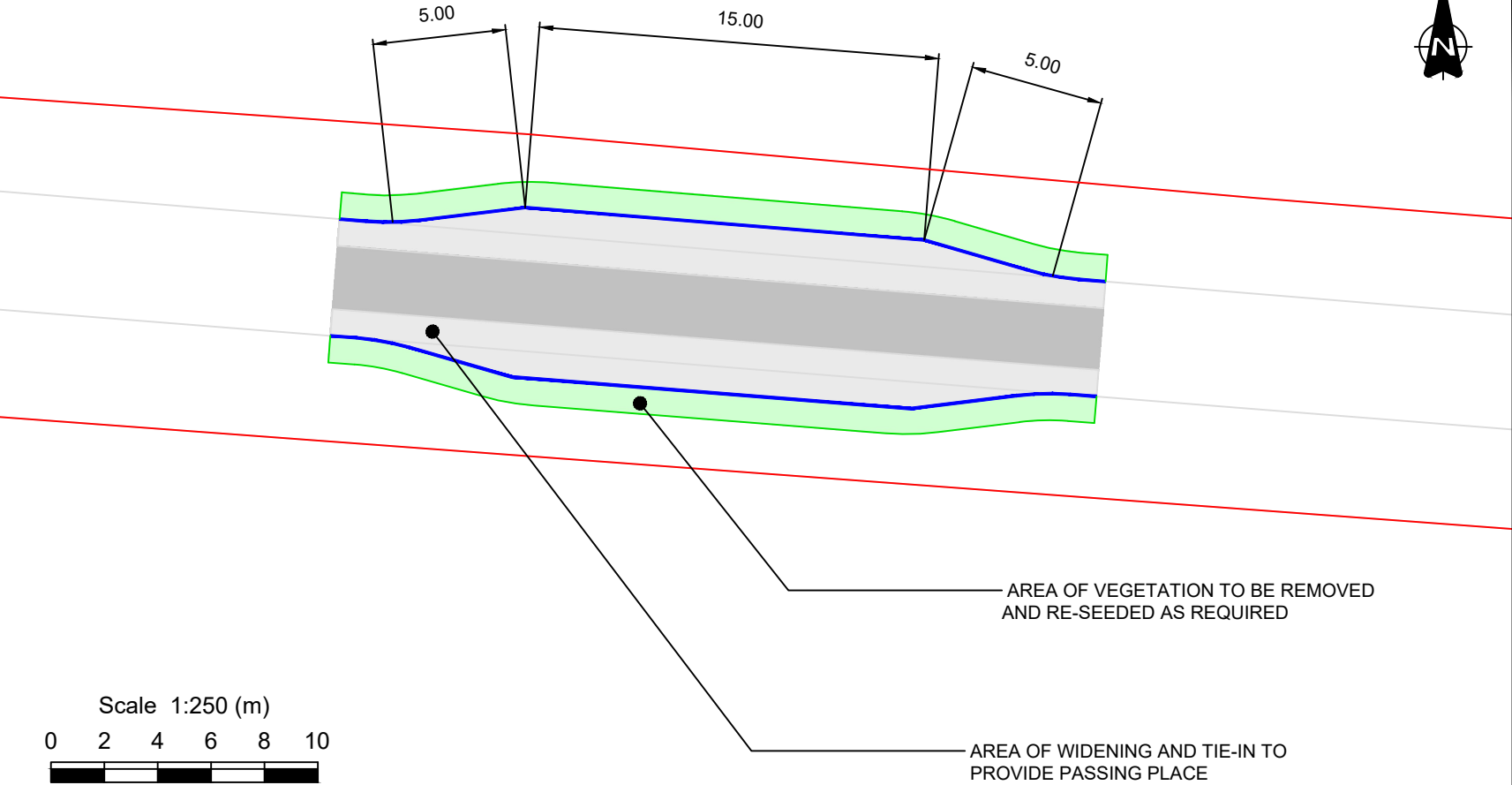
Title

PROPOSED PASSING PLACE  
LOCATION 24

Drawn	FW	Checked	JH	Approved	SE
Original dwg. size	A3	Date	21.05.25	Scale	AS SHOWN
Drawing Status	INFORMATION		Drawing Number	23D07-SK224	Rev.

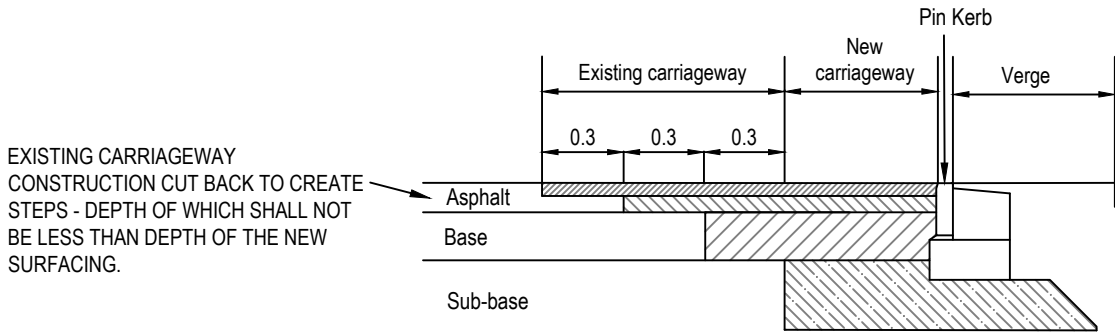


**GENERAL ARRANGEMENT**  
SCALE 1:250

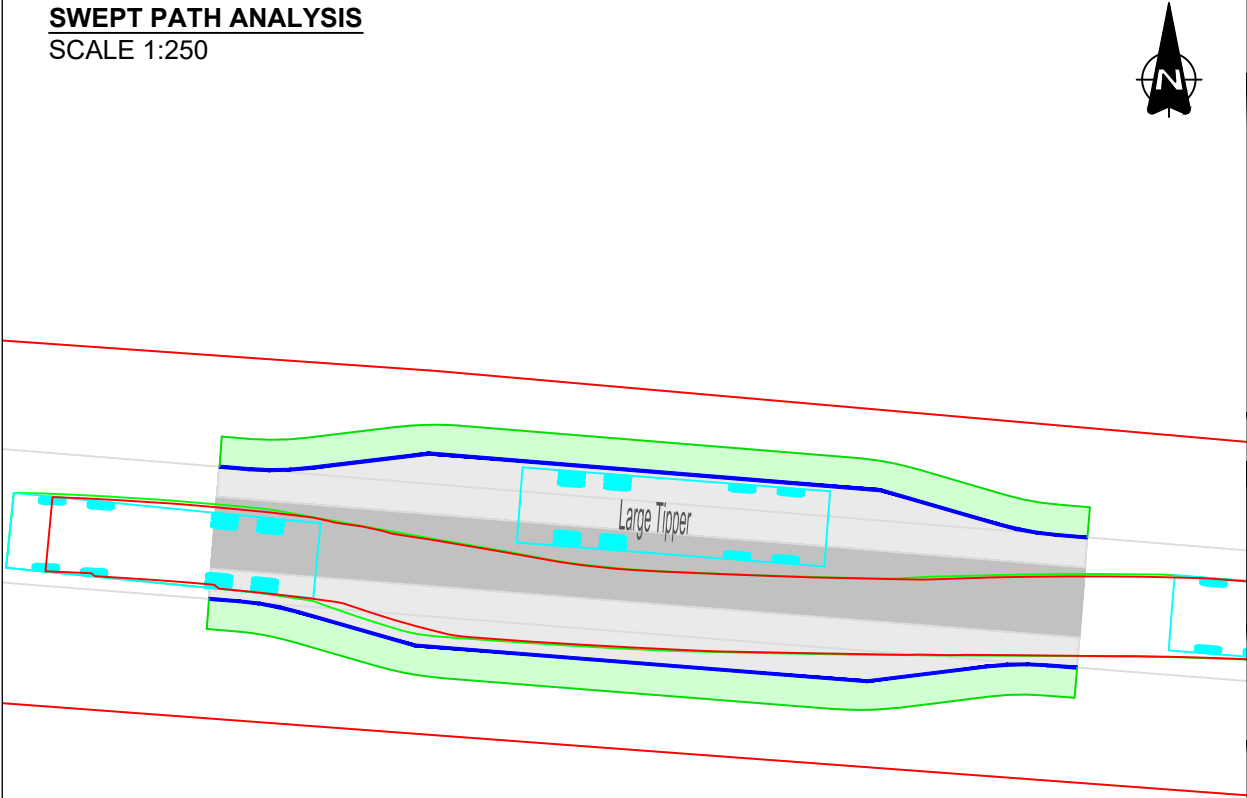


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- KEY**
- Proposed Kerbline
  - Proposed Carriageway Widening
  - Order limits
  - Area of vegetation to be removed and re-seeded as require
  - Proposed new surface course
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**CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY**



**SWEPT PATH ANALYSIS**  
SCALE 1:250



**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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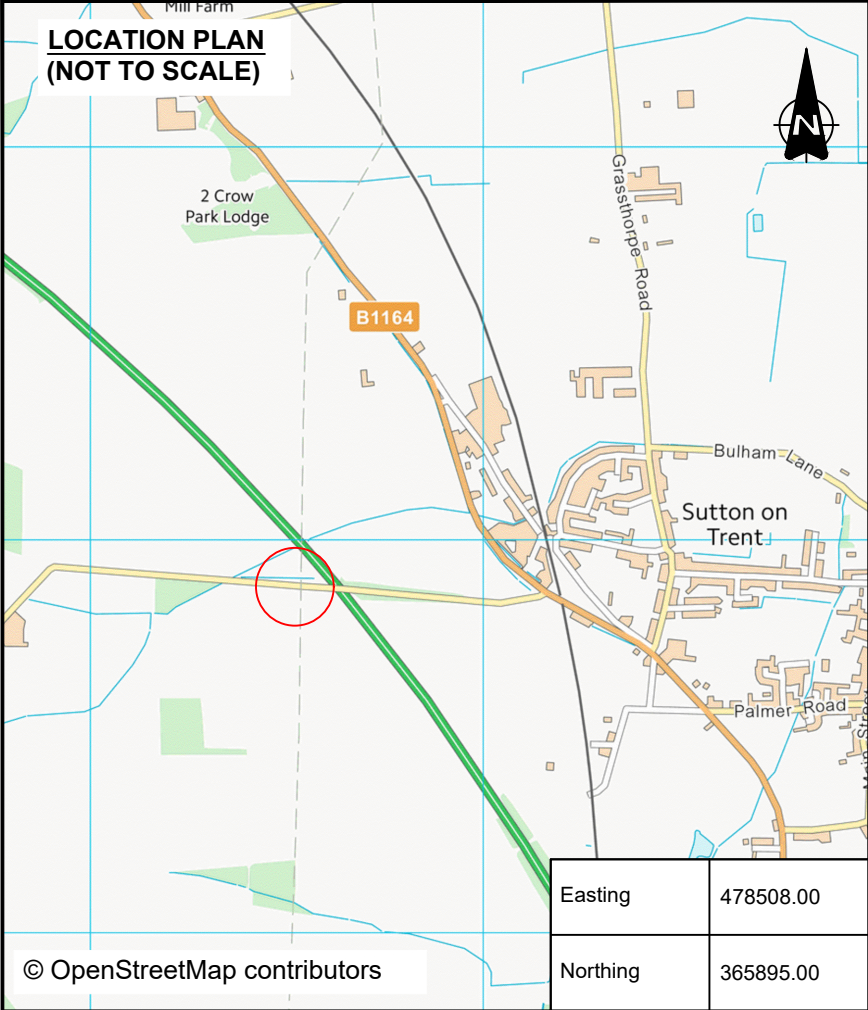
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AND BIODIVERSITY PARK

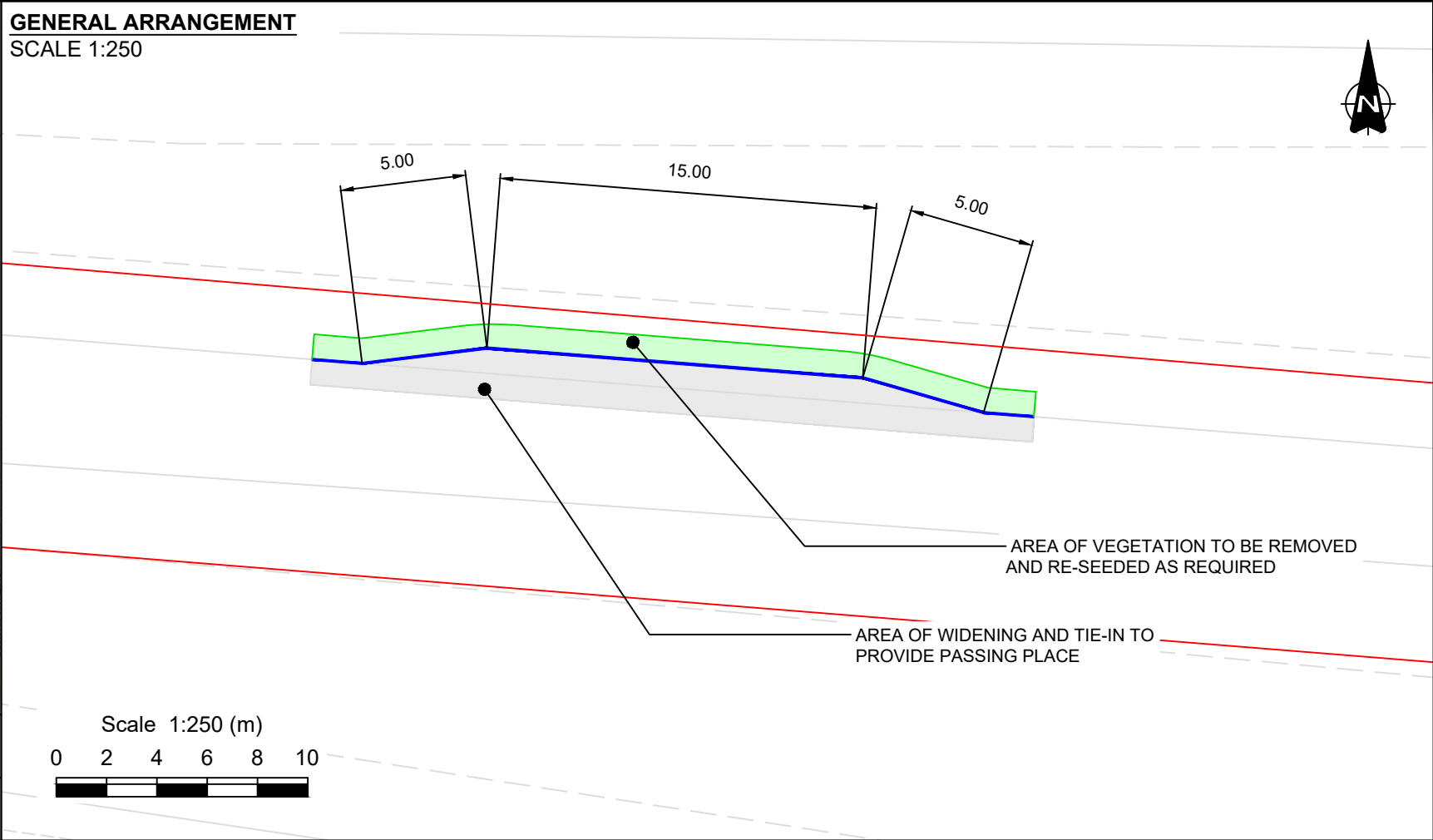
Title  
PROPOSED PASSING PLACE  
LOCATION 25

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.	



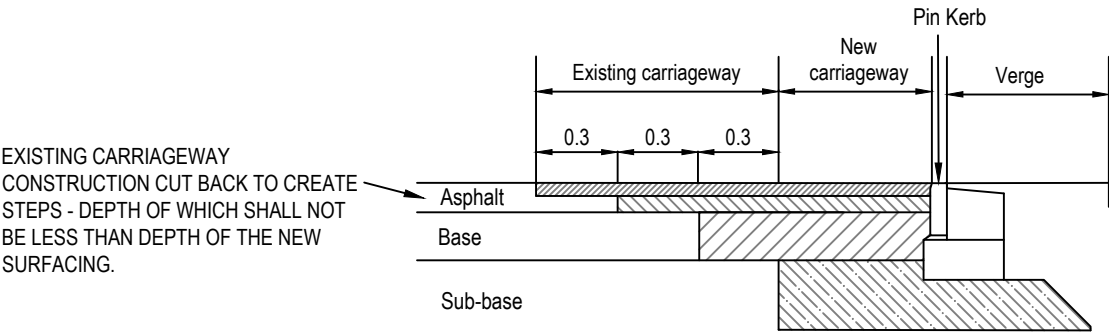


**GENERAL ARRANGEMENT**  
SCALE 1:250

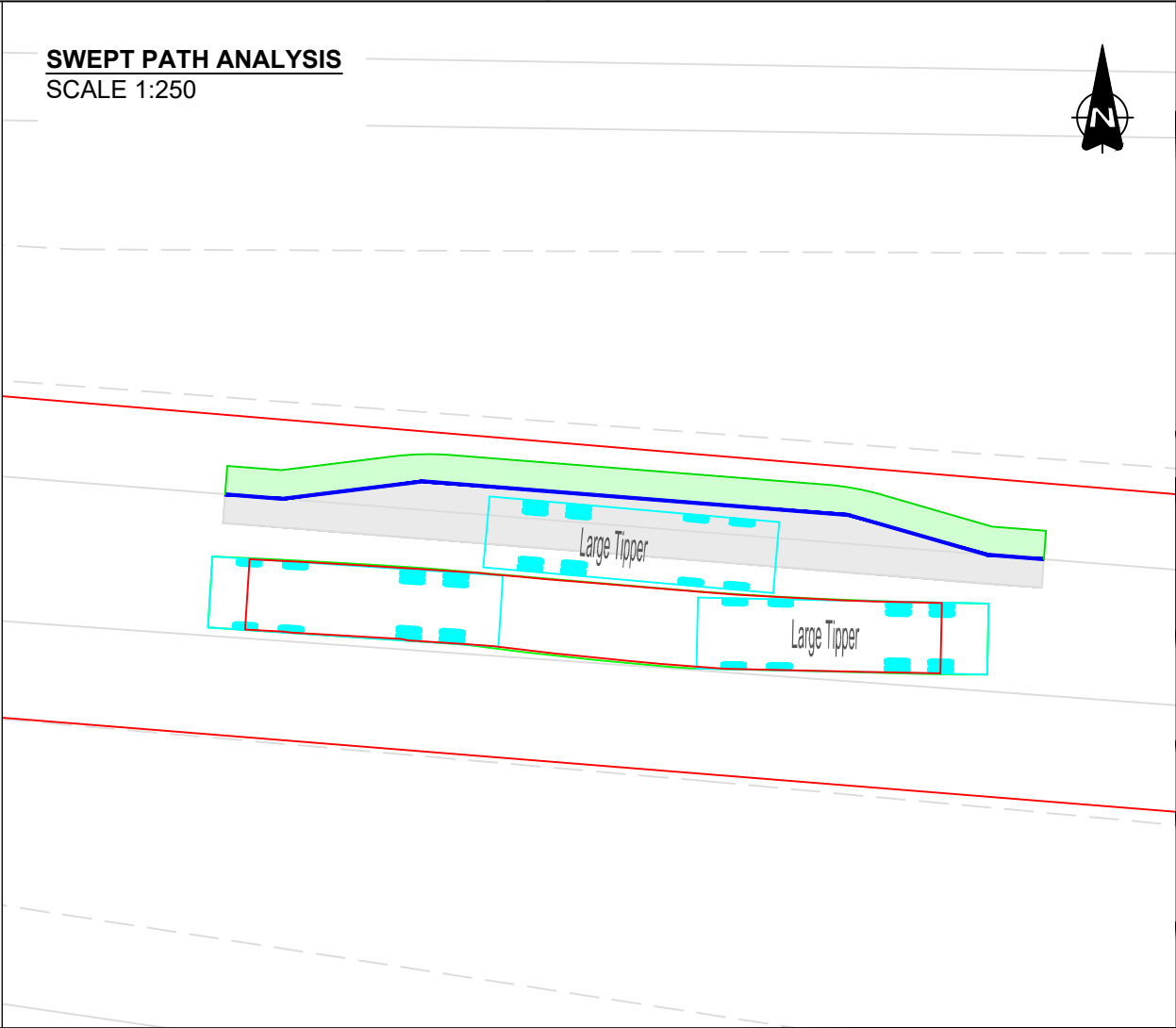


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- KEY**
- Proposed Kerblines
  - Proposed Carriageway Widening
  - Order limits
  - Area of vegetation to be removed and re-seeded as require
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**CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY**



**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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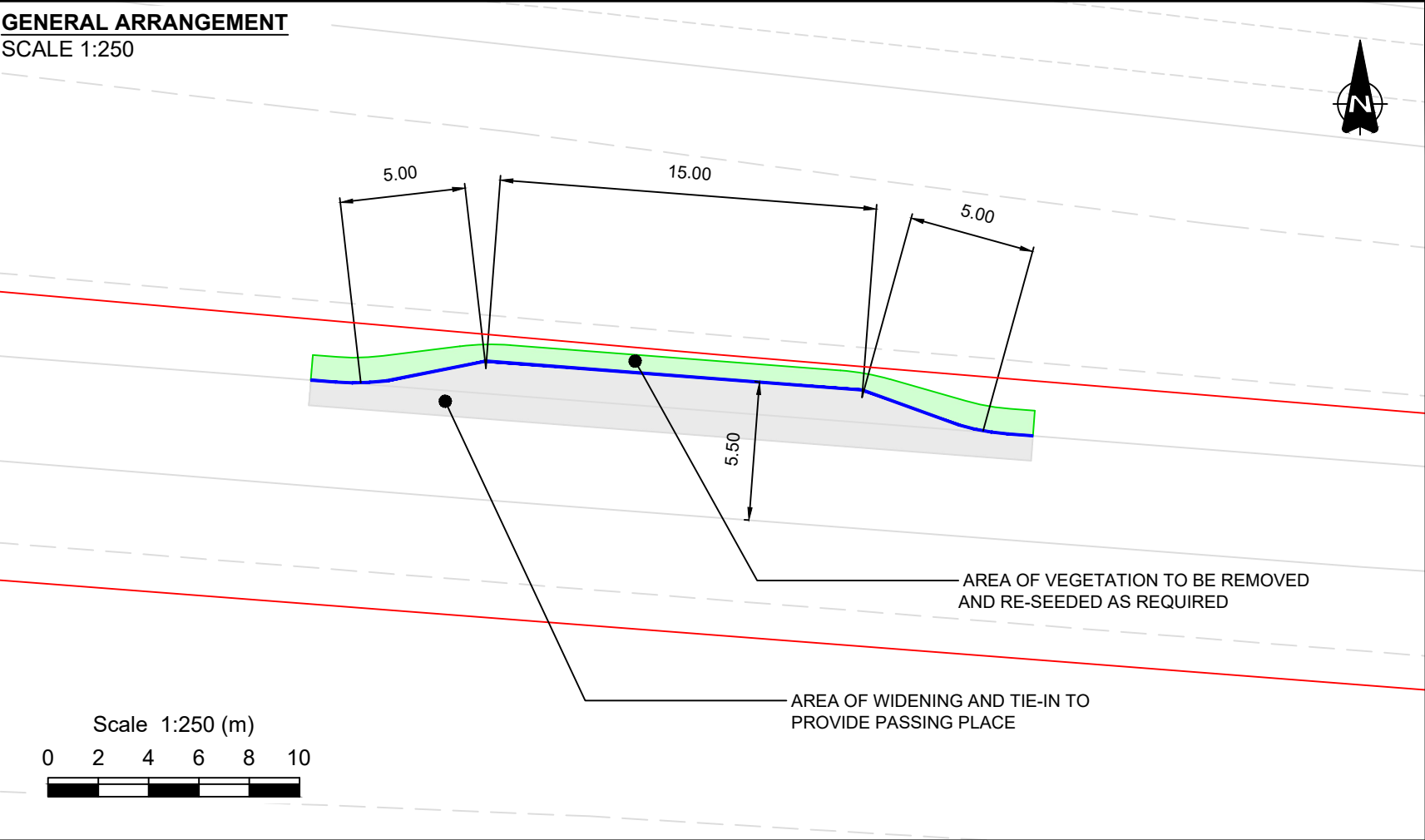
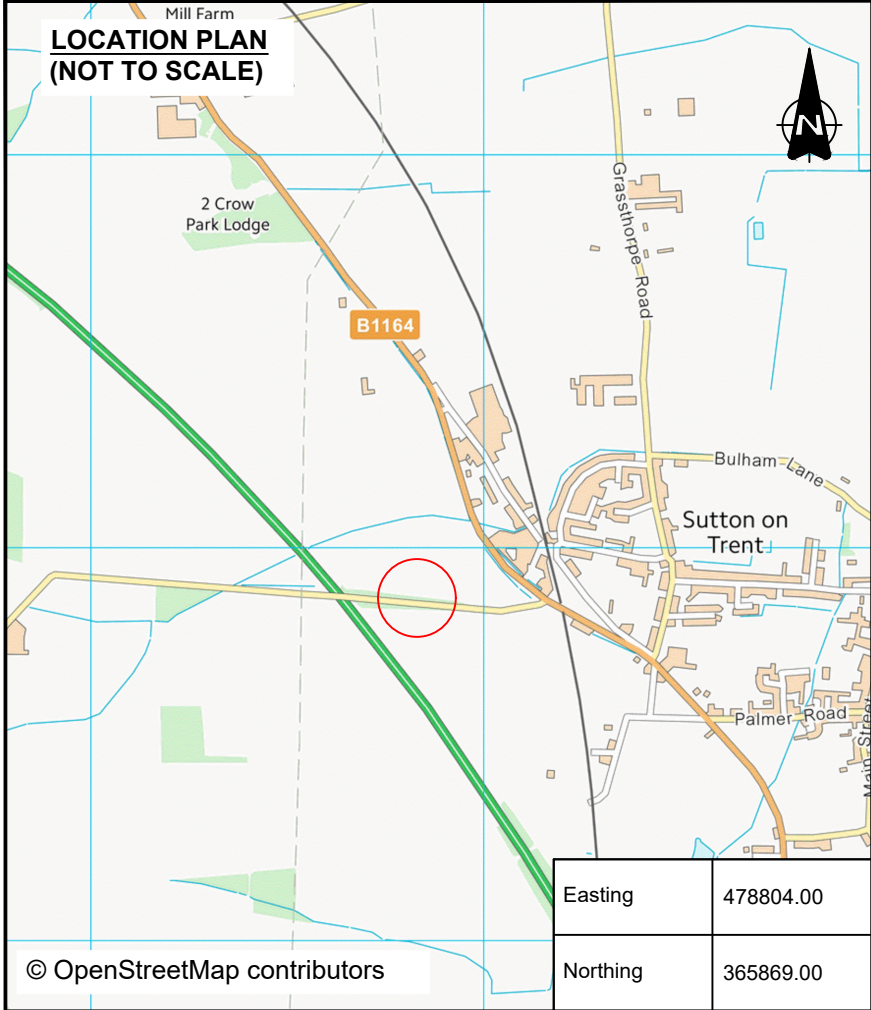
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title

PROPOSED PASSING PLACE  
LOCATION 26

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

Drawing Status	Drawing Number	Rev.
INFORMATION	23D07-SK226	



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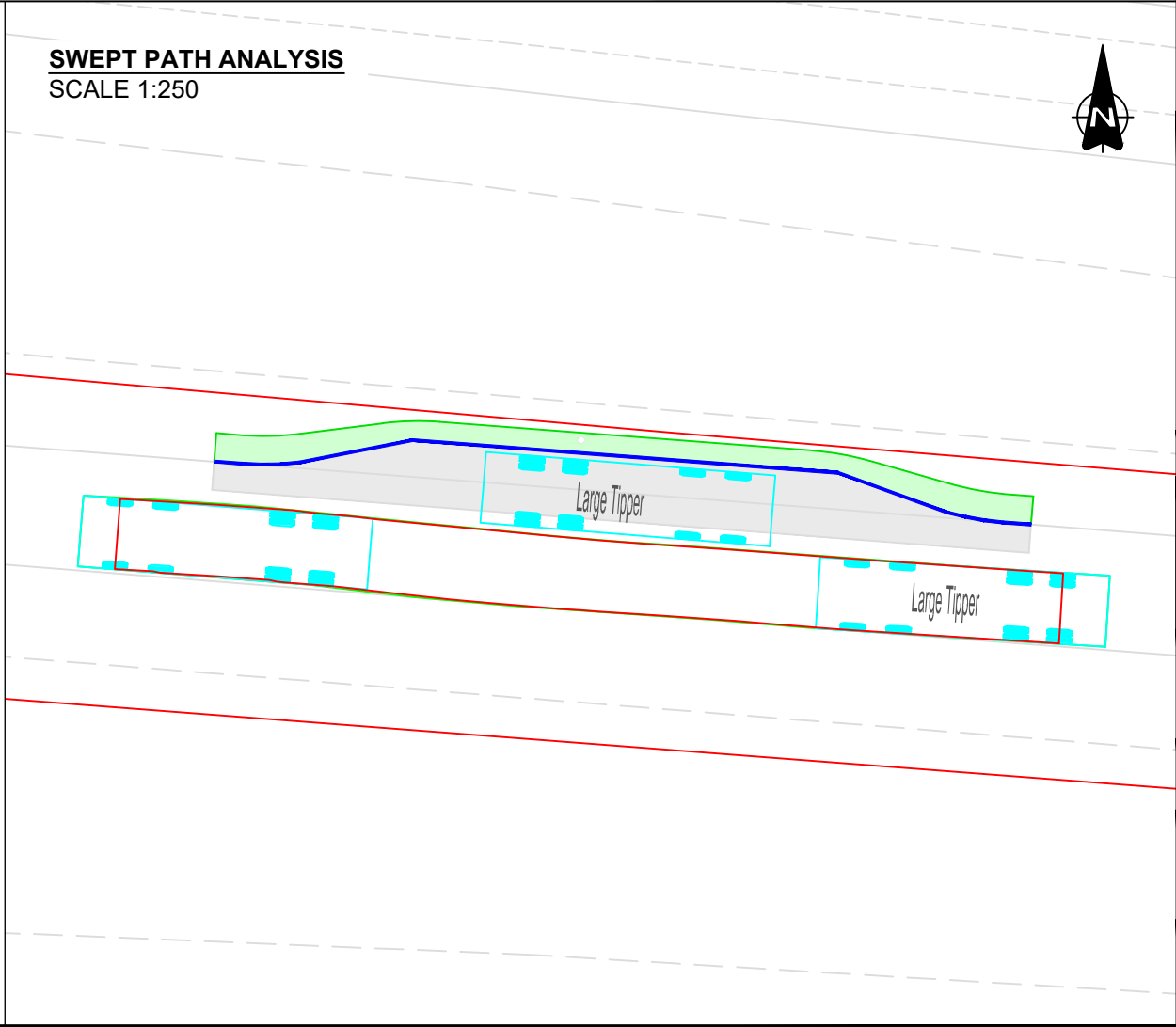
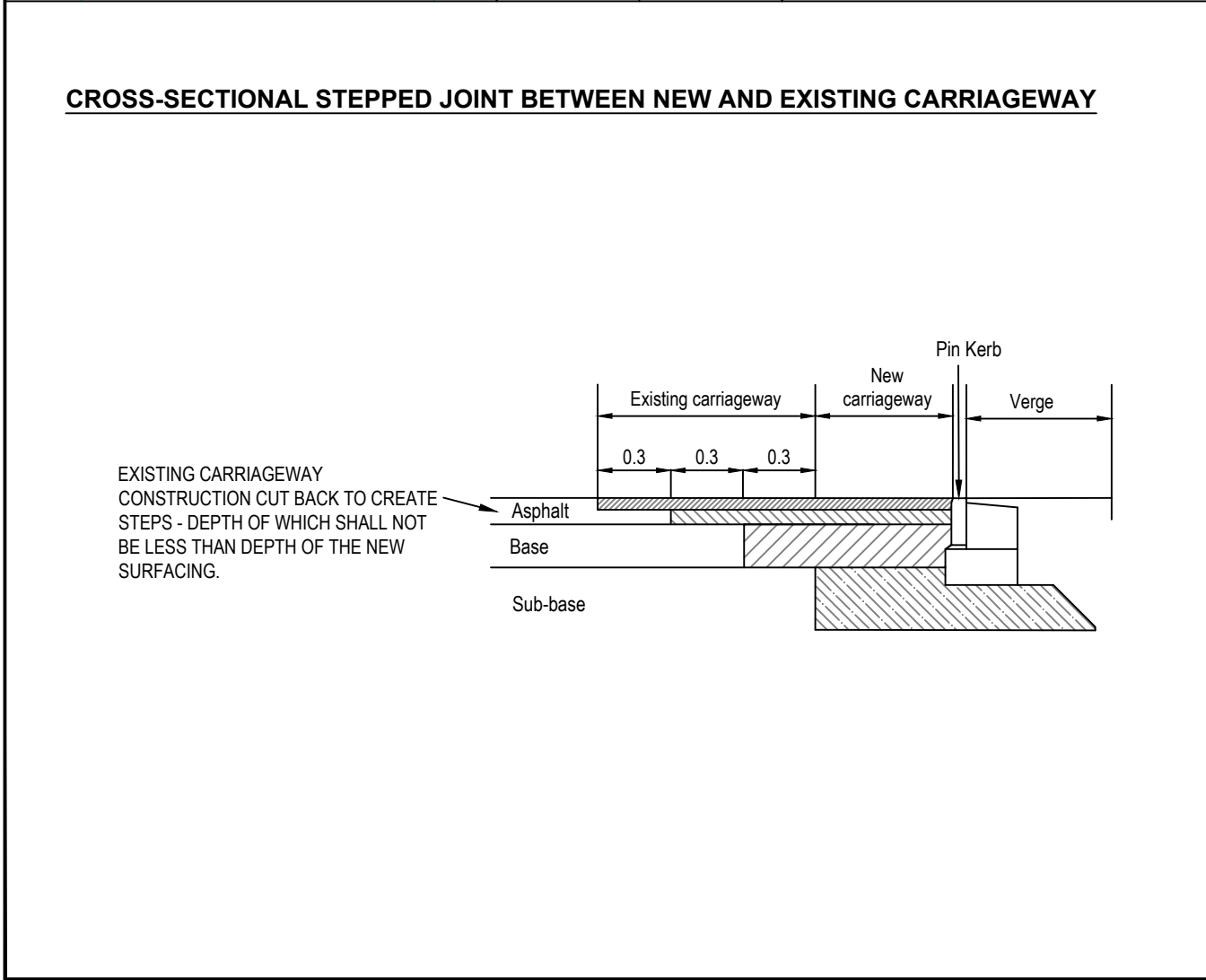
**KEY**

- 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**

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	



Rev. Date Revision details Drawn Checked Approved

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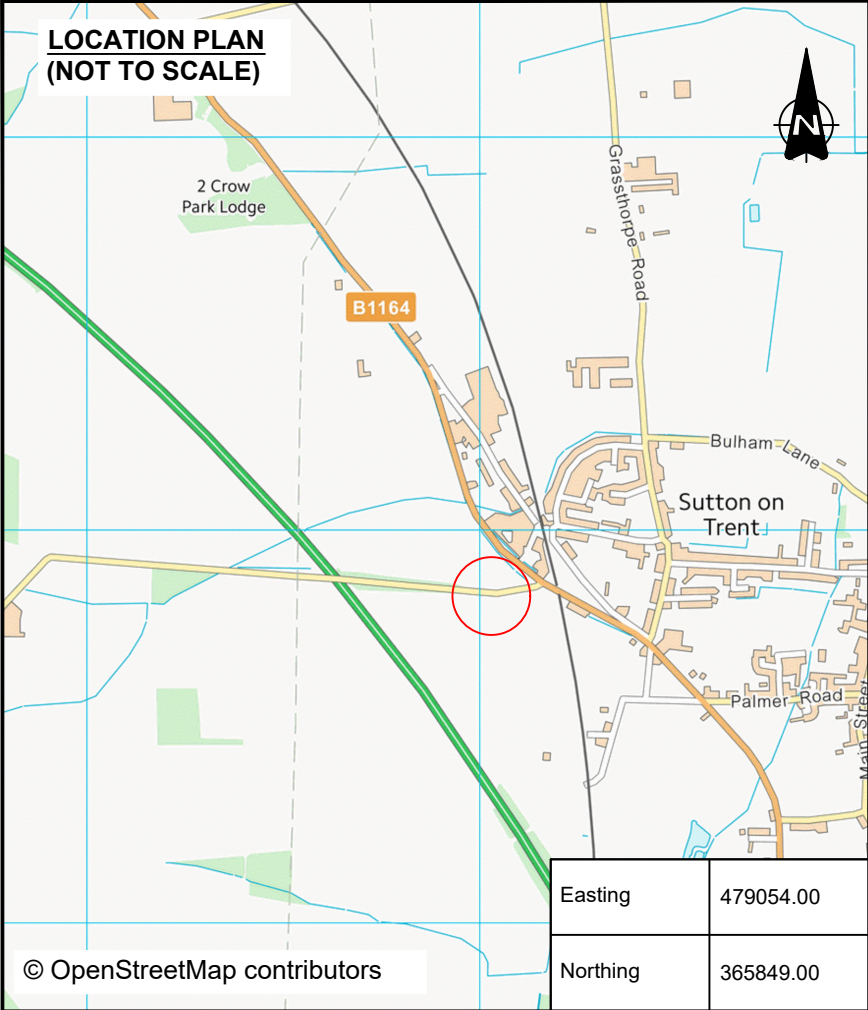
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title

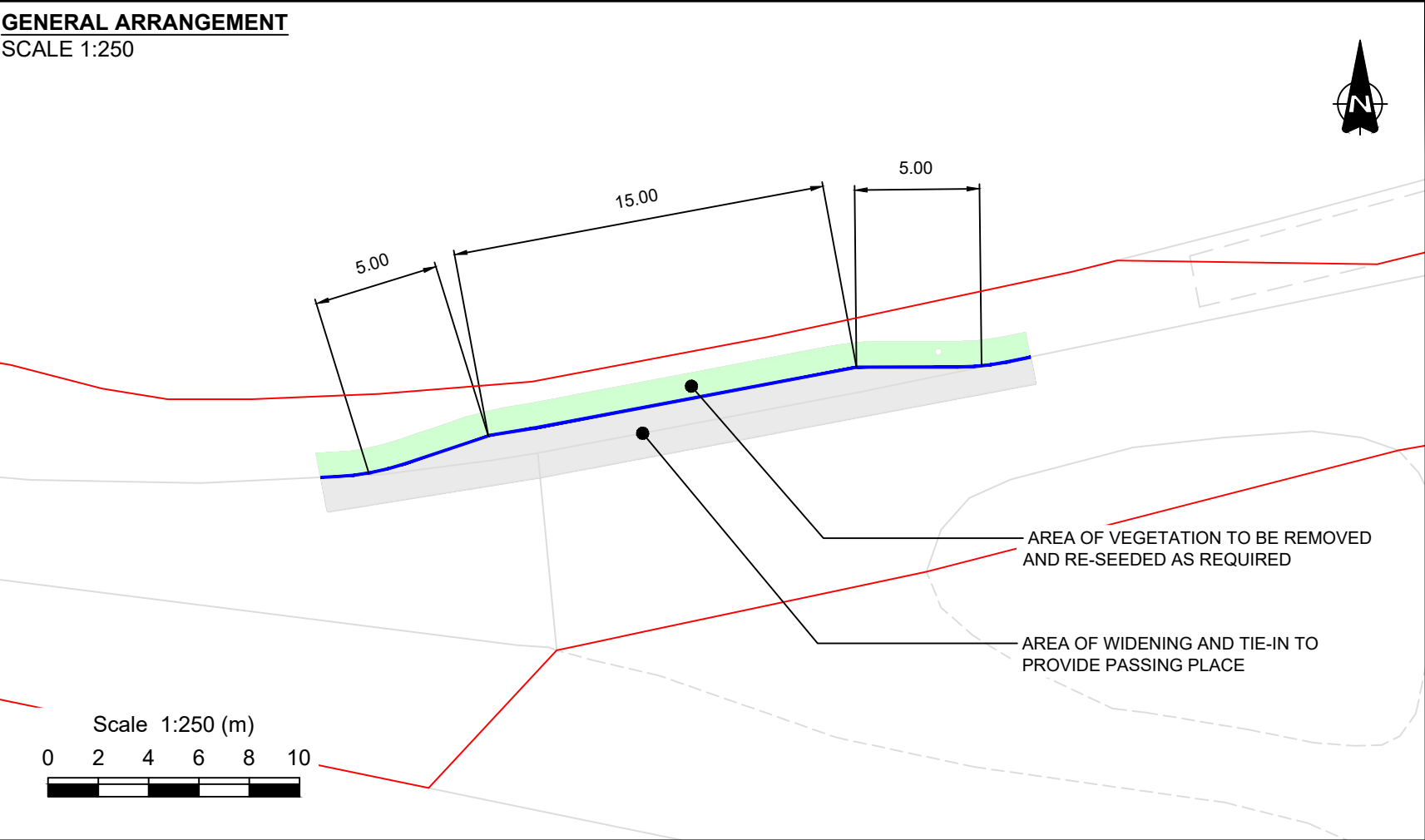
PROPOSED PASSING PLACE  
LOCATION 27

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.	





**GENERAL ARRANGEMENT**  
SCALE 1:250



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**KEY**

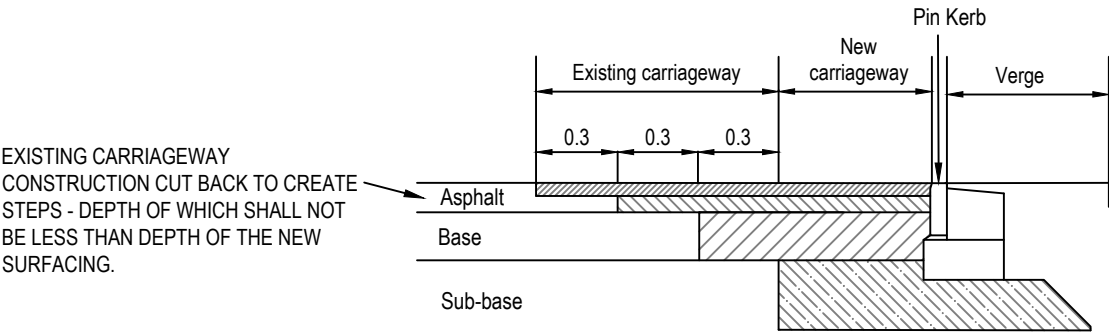
- Proposed Kerbline
- Proposed Carriageway Widening
- Order limits
- Area of vegetation to be removed and re-seeded as require

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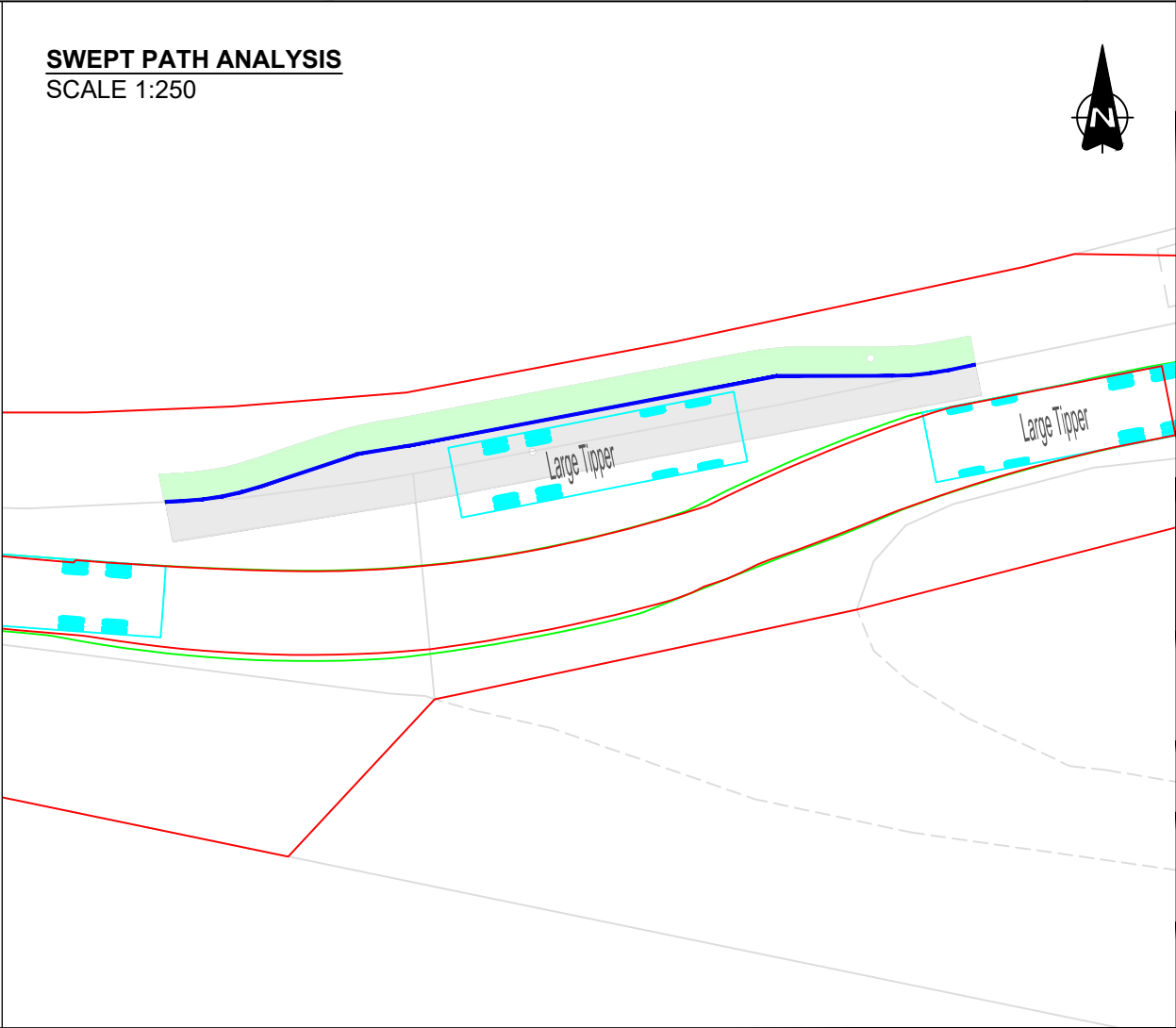
**VEHICLE USED FOR SWEEP PATH**

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

**CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY**



**SWEPT PATH ANALYSIS**  
SCALE 1:250



Rev. Date Revision details Drawn Checked Approved

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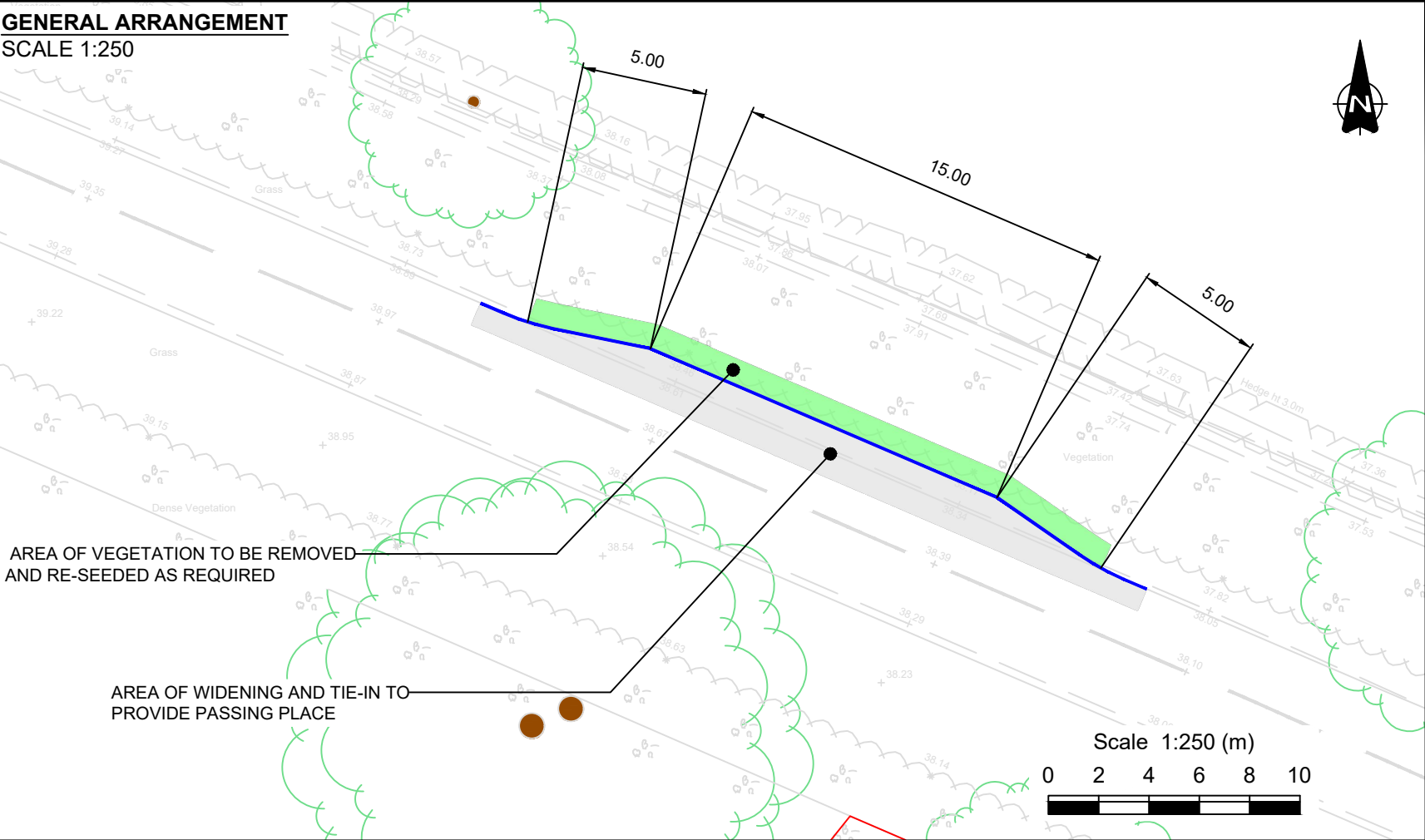
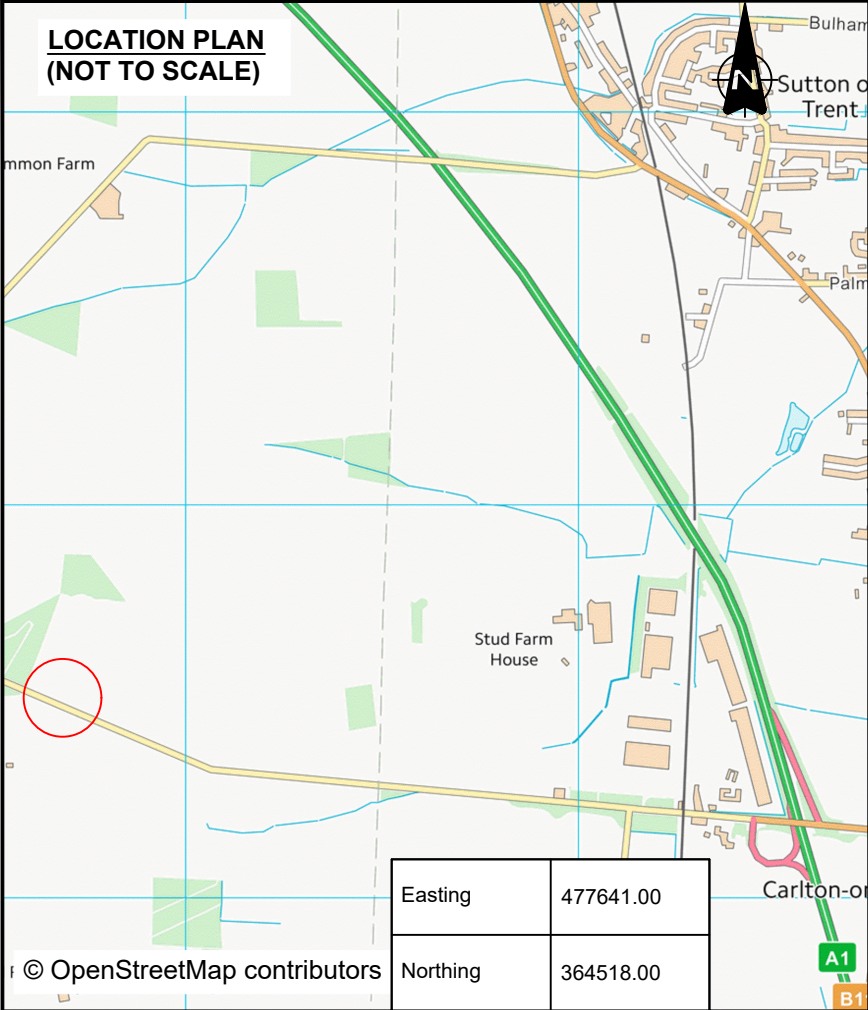
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Client  
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Project  
GREAT NORTH ROAD SOLAR FARM  
AND BIODIVERSITY PARK

Title  
PROPOSED PASSING PLACE  
LOCATION 28

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



**NOTES**

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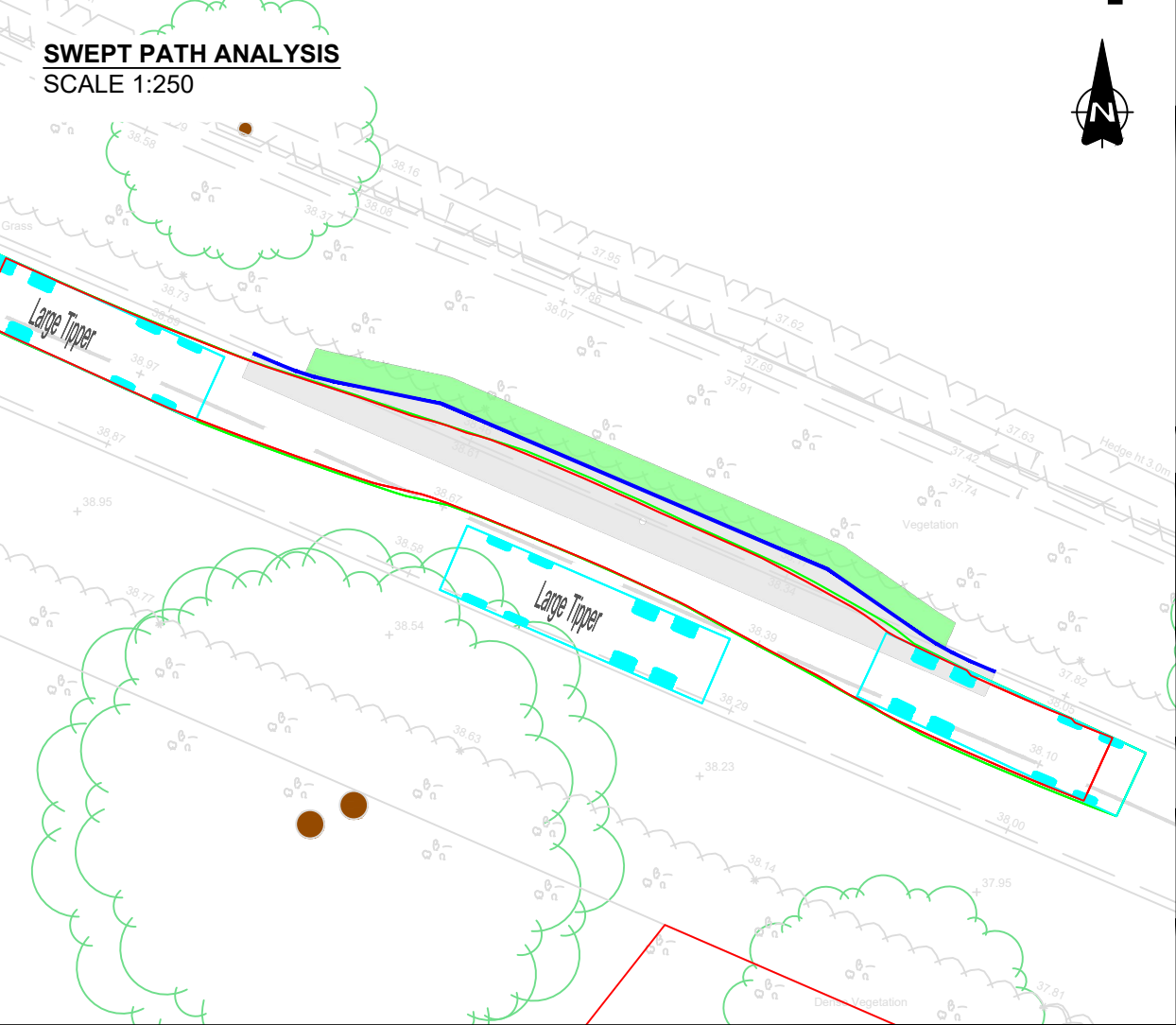
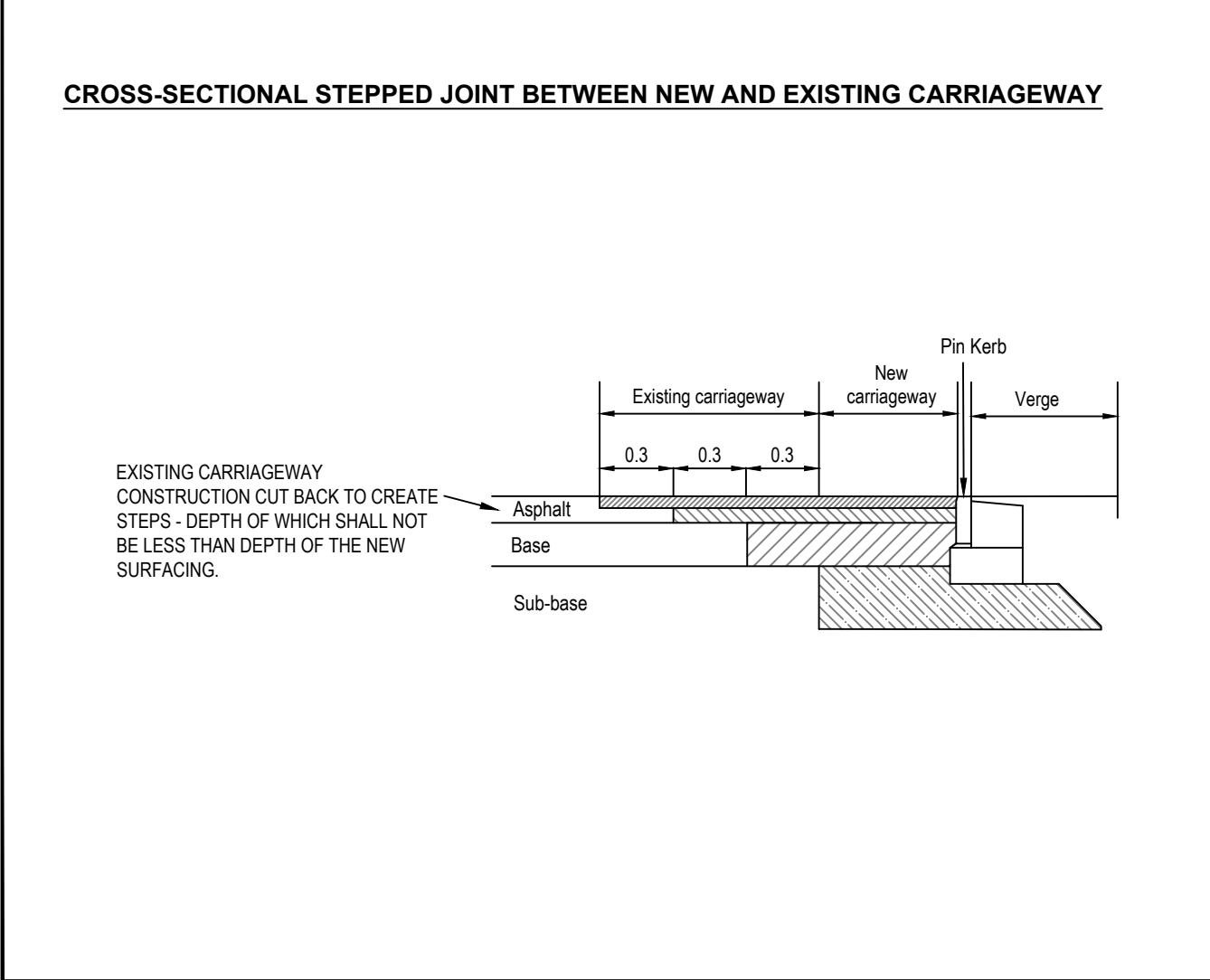
**KEY**

- 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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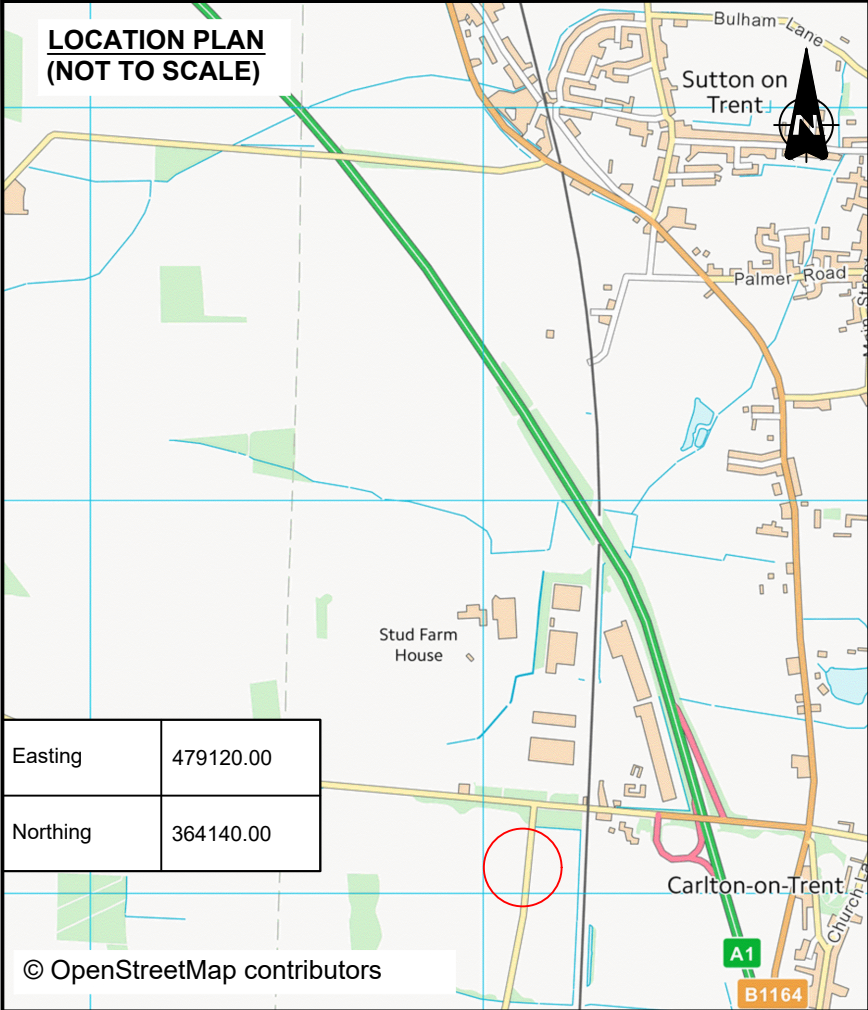
GREAT NORTH ROAD SOLAR FARM AND BIODIVERSITY PARK

Title

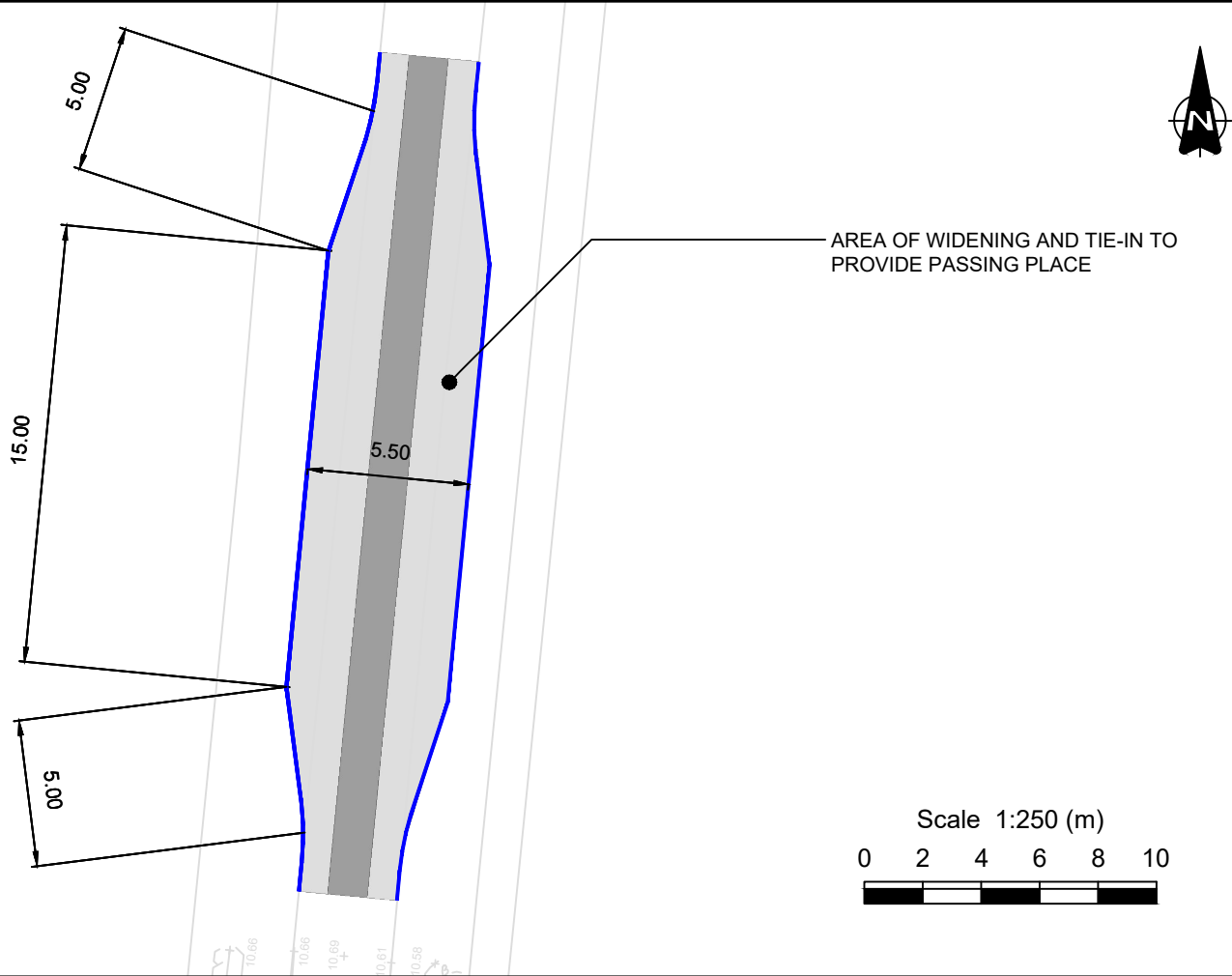
PROPOSED PASSING PLACE LOCATION 29

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





**GENERAL ARRANGEMENT**  
SCALE 1:250

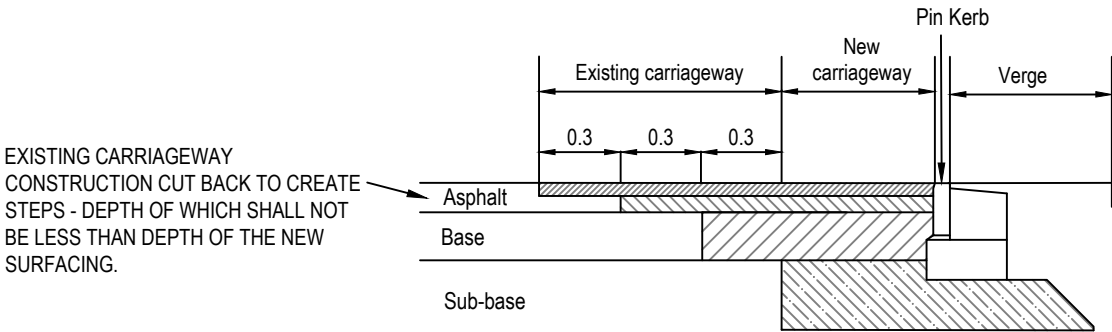


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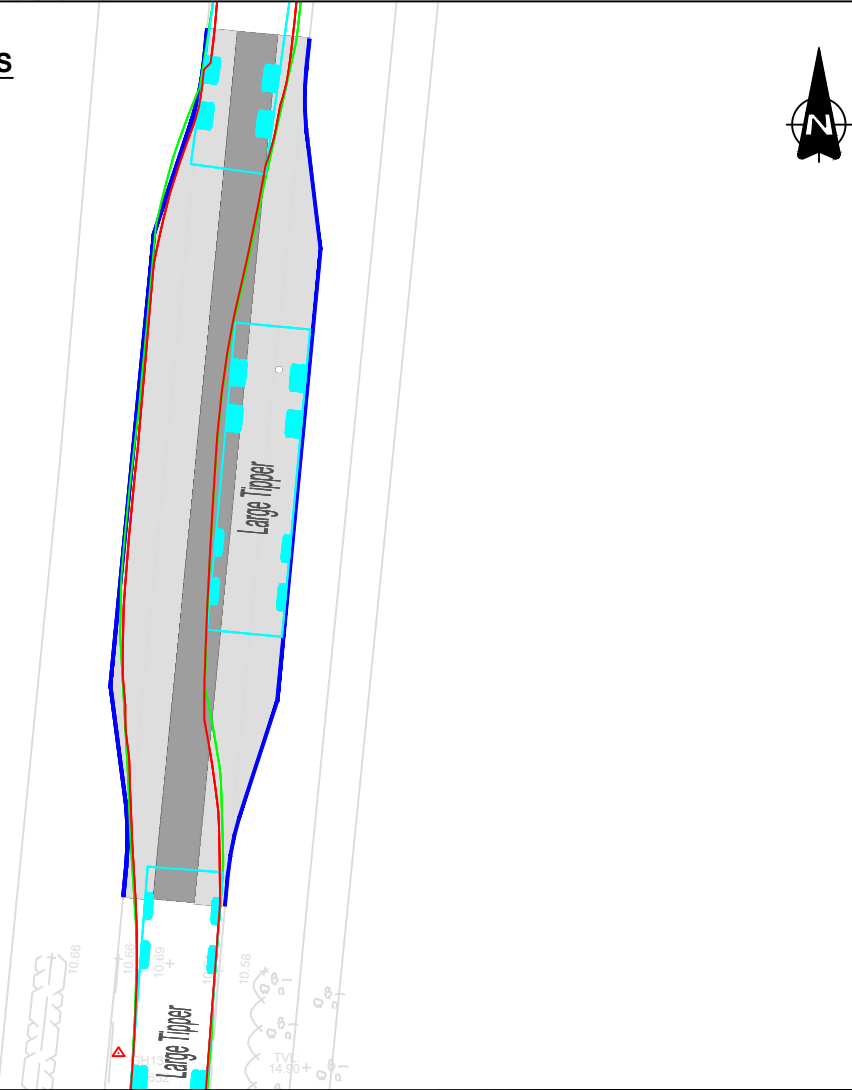
- KEY**
- Proposed Kerbline
  - Proposed Carriageway Widening
  - Proposed new surface course

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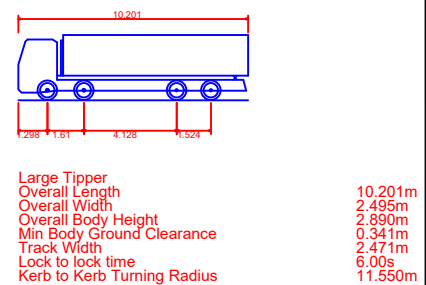
**CROSS-SECTIONAL STEPPED JOINT BETWEEN NEW AND EXISTING CARRIAGEWAY**



**SWEPT PATH ANALYSIS**  
SCALE 1:250



**VEHICLE USED FOR SWEEP PATH**



Rev.	Date	Revision details	Drawn	Checked	Approved

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GREAT NORTH ROAD SOLAR FARM  
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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.

## **A14.1.14 APPENDIX F – TRIP GENERATION CALCULATIONS**



Calculation Inputs & Assumptions	
Item	Value
Total area of modules & mounting structures	550 ha
Total length of access tracks (Tarmac)	3 km
Total length of access tracks (Stone)	50 km
Area of compound areas	2 ha each
Total length of fencing	145 km
Site accesses to construct	41 No.
Construction vehicles required per access	5 HGV
Solar modules size range	3 sqm
Solar modules per container	620 No.
Frames per module factor	0.1
Storage units per substation	1 each
Vehicles required per storage unit	300
Number of substations	4 No.
Number of battery containers	754
Number of passing places to construct	40 No.
Internal stone track width	4 m
Internal stone track depth	0.15 m
Internal tarmac track width	5 m
Internal tarmac track depth	0.02 m
Density tarmac	2.3 t/m3
Density stone	1.8 t/m3
Truck capacity	20 t
Compound Areas	19
Length of fencing per HGV load	100m
Number of construction workers	2000 total
Number of construction workers	500 per phase
% of workers travelling to site by shuttle bus	50%
Number of workers per bus	20
Workers car share ratio	1.5
General Mitigation	100

Phase	% of Total Site Area
Phase 1 - South West	30.1%
Phase 2 - South East	20.6%
Phase 3 - North East	28.9%
Phase 4 - North West	20.5%

Phase / Area Summaries						
Item	Phase 1 - South	Phase 2 - SouthWest	Phase 3 - NorthWest	Phase 4 - North	Phase 5	Total
No. Site Accesses	5	9	12	14	1	41
Area of Solar PV	204.92	208.37	227.14	384.64	20.69	1045.76
Percentage of Total	20%	20%	22%	38%		1
No. Compounds	3	3	5	8	0	19
Intenal Substations	1	1	1	1		4

Total and Peak Month			
Phase	Activity	TOTAL HGV	PEAK MONTH HGV
Phase One	Site access points	25	0
	Roads and tracks	547	55
	Construction compounds	810	486
	Fencing and CCTV	290	14
	Solar PV poles, modules, inverters and transformers	1068	50
	Cabling	600	28
	Intermediate substation	100	0
	BESS/400 kV compound	145	0
	Connection to network at Staythorpe	0	0
	Mitigation/enhancement planting	20	2
Phase Two	Site access points	45	0
	Roads and tracks	556	56
	Construction compounds	810	486
	Fencing and CCTV	295	14
	Solar PV poles, modules, inverters and transformers	1086	51
	Cabling	610	29
	Intermediate substation	100	0
Phase Three	Site access points	60	0
	Roads and tracks	606	61
	Construction compounds	1350	810
	Fencing and CCTV	322	15
	Solar PV poles, modules, inverters and transformers	1184	55
	Cabling	665	31
	Intermediate substation	100	0
Phase Four	Site access points	70	0
	Roads and tracks	1026	103
	Construction compounds	2160	1296
	Fencing and CCTV	545	26
	Solar PV poles, modules, inverters and transformers	2005	94
	Cabling	665	31
	Intermediate substation	100	0
Phase Five	Mitigation/enhancement planting	22	2
	Battery installation	75	5
		18104	3803

Phase 1 - South		
Construction Access ID	P2	P3
Area (Ha) served by access	170.6	34.3
Percenatge of Total	16.6%	3.4%
Percentage of Phase	83.2%	16.8%
Construction Period (Working Days)	238	48
TOTAL HGV	528	106
Total HGV per day	22	4
2-Way Total HGV per day	44	9
TOTAL LGV / Car per day	149	30
2-Way Total LGV / Car per day	298	60
TOTAL 2-way TRAFFIC per day	343	69

Phase 2 - South West			
Construction Access ID	P4	P5	P6
Area (Ha) served by access	155.9	28.3	24.1
Percentage of Total	15.2%	2.8%	2.4%
Percentage of Phase	74.8%	13.6%	11.6%
Construction Period (Working Days)	214	39	33
TOTAL HGV	477	87	74
Total HGV per day	20	4	3
2-Way Total HGV per day	40	7	6
TOTAL LGV / Car per day	134	24	21
2-Way Total LGV / Car per day	268	49	41
TOTAL 2-way TRAFFIC per day	308	56	48

Phase 3 - North West					
Construction Access ID	P7	P8	P9	P10	P11
Area (Ha) served by access	62.6	25.6	27.2	61.2	50.6
Percentage of Total	6.1%	2.5%	2.7%	6.0%	4.9%
Percentage of Phase	27.6%	11.3%	12.0%	26.9%	22.3%
Construction Period (Working Days)	79	32	34	77	64
TOTAL HGV	269	110	117	263	217
Total HGV per day	11	5	5	11	9
2-Way Total HGV per day	23	9	10	22	18
TOTAL LGV / Car per day	49	20	21	48	40
2-Way Total LGV / Car per day	99	40	43	97	80
TOTAL 2-way TRAFFIC per day	121	50	53	119	98

Phase 4 - North						
Construction Access ID	P12	P13	P14	P15	P16	P17
Area (Ha) served by access	69.0	113.6	28.5	35.9	32.1	105.4
Percentage of Total	6.7%	11.1%	2.8%	3.5%	3.1%	10.3%
Percentage of Phase	17.9%	29.5%	7.4%	9.3%	8.4%	27.4%
Construction Period (Working Days)	51	84	21	27	24	78
TOTAL HGV	278	458	115	145	130	425
Total HGV per day	12	19	5	6	5	18
2-Way Total HGV per day	23	38	10	12	11	36
TOTAL LGV / Car per day	32	53	13	17	15	49
2-Way Total LGV / Car per day	64	106	27	33	30	98
TOTAL 2-way TRAFFIC per day	88	144	36	46	41	134