

# **Green Hill Solar Farm**

## **EN010170**

### **Environmental Statement**

### **Appendix 13.2: Transport Assessment**

### **Revision A**

### **(Part 2 of 3)**

Prepared by: KMC  
Date: December 2025

Document Reference: EX3/GH6.3.13.2\_A  
APFP Regulation 5(2)(a)

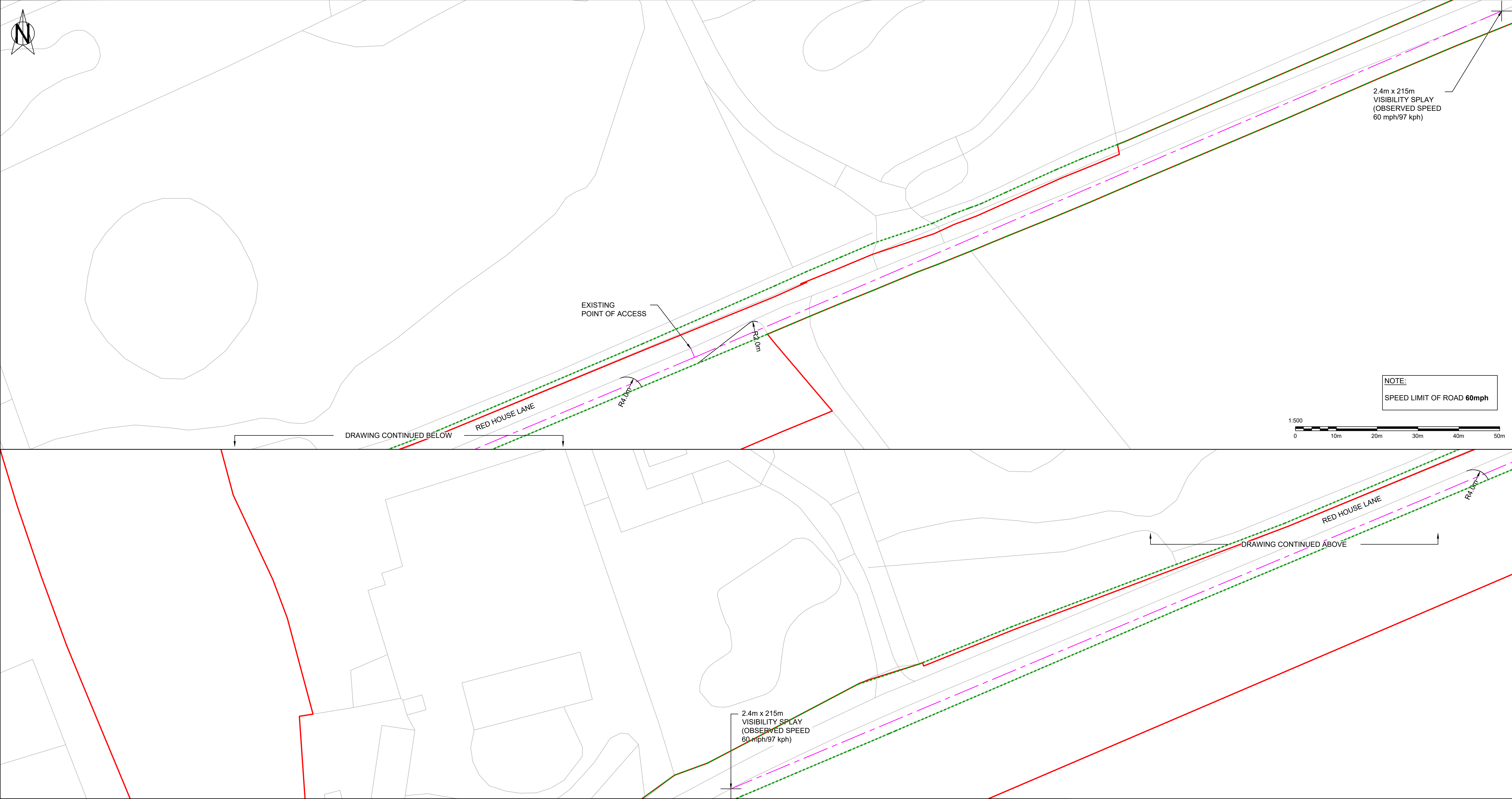




## Schedule of Changes

Revision	Section Reference	Description of Changes	Reason for Revision
A	[cover]	Updated document reference to Revision A	As required for submission at Deadline 3.
	Appendix C (Parts 1 and 2, of 3)	Updated access drawings showing locations of speed surveys, speed limits, highway boundaries, and any other specific requests made by the relevant highway authorities	In response to Local Impact Reports
	Updated access drawings: <ul style="list-style-type: none"><li>• 23061-KMC-XX-CR3-DR-CH-0001 – Cable route 3</li><li>• 23061-KMC-XX-CR4-DR-CH-0001 – Cable route 4</li><li>• 23061-KMC-XX-CR5-DR-CH-0001 – Cable route 5</li><li>• 23061-KMC-XX-CR6-DR-CH-0001 – Cable route 6</li><li>• 23061-KMC-XX-CR7-DR-CH-0001 – Cable route 7</li><li>• 23061-KMC-XX-CR8-9-DR-CH-0001 – Cable route 8 &amp; 9</li><li>• 23061-KMC-XX-CR10-DR-CH-0001 – Cable route 10</li><li>• 23061-KMC-XX-CR11-DR-CH-0001 – Cable route 11</li><li>• 23061-KMC-XX-CR12-DR-CH-0001 – Cable route 12</li><li>• 23061-KMC-XX-CR13-DR-CH-0001 – Cable route 13</li><li>• 23061-KMC-XX-CR14-DR-CH-0001 – Cable route 14</li><li>• 23061-KMC-XX-CR15-DR-CH-0001 – Cable route 15</li><li>• 23061-KMC-XX-CR16-DR-CH-0001 – Cable route 16</li><li>• 23061-KMC-XX-CR17-DR-CH-0001 – Cable route 17</li><li>• 23061-KMC-XX-CR18-DR-CH-0001 – Cable route 18</li><li>• 23061-KMC-XX-CR19-20-DR-CH-0001 – Cable route 19 &amp; 20</li><li>• 23061-KMC-XX-CR21-22-DR-CH-0001 – Cable route 21 &amp; 22</li><li>• 23061-KMC-XX-CR23-DR-CH-0001 – Cable route 23</li><li>• 23061-KMC-XX-CR24-DR-CH-0001 – Cable route 24</li></ul>		





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ACCESS LOCATION

KEY PLAN  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- TRAFFIC SURVEY LOCATION
- HIGHWAY BOUNDARY
- VISIBILITY SPLAY EXTENT
- EXISTING LAYOUT
- PROPOSED EDGE OF ACCESS
- EXISTING VEGETATION
- EXTENT OF VEGETATION REMOVAL
- EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH	: 2.55
TRAILER WIDTH	: 2.55
TRACTOR TRACK	: 2.55
TRAILER TRACK	: 2.55
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 40.0
ARTICULATING ANGLE	: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	11.03.2025	Preliminary issue	CS	LF	SM

REV	DATE	DESCRIPTION	DRN	CHKD	APRD

Issue Status

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<input checked="" type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

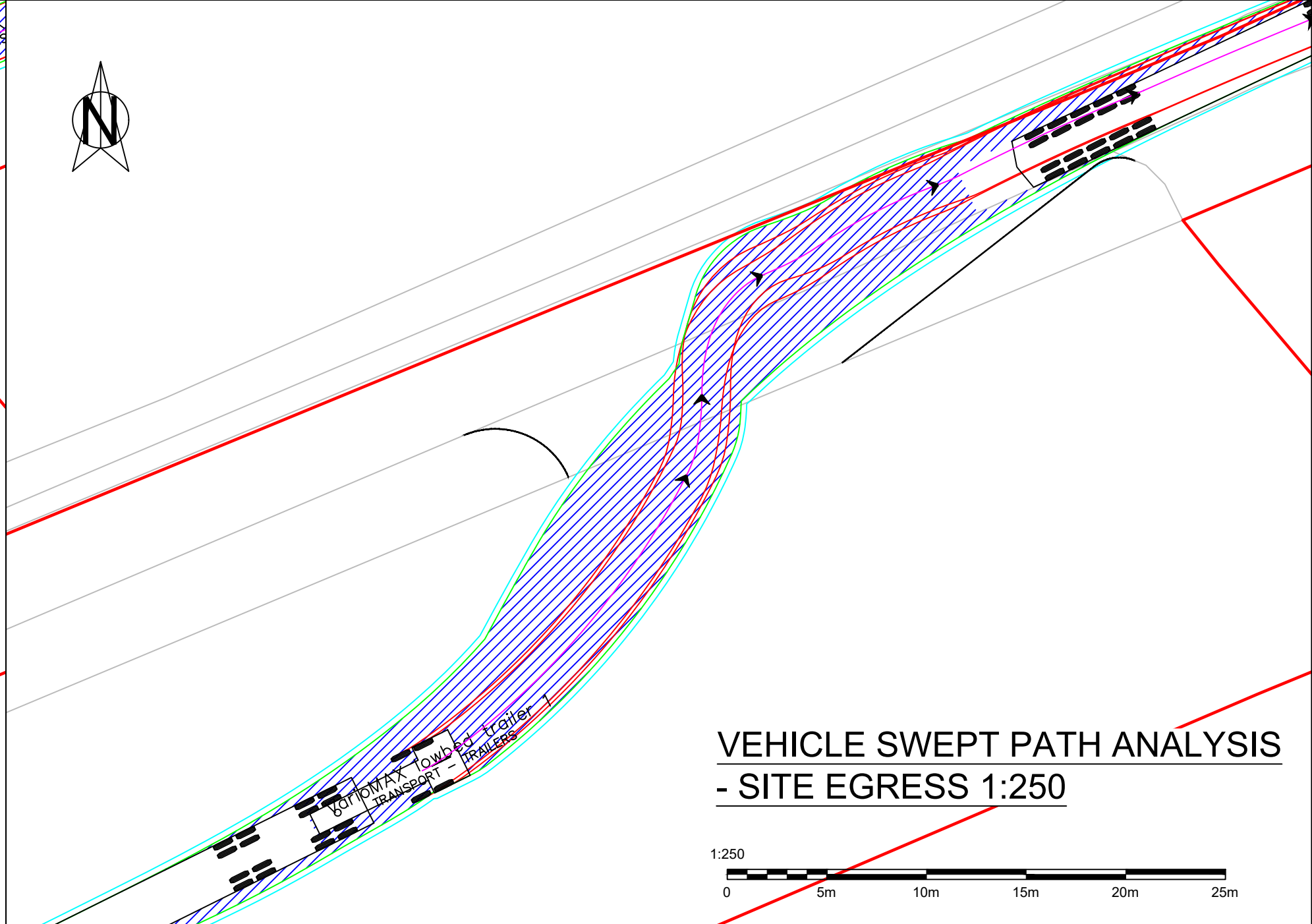
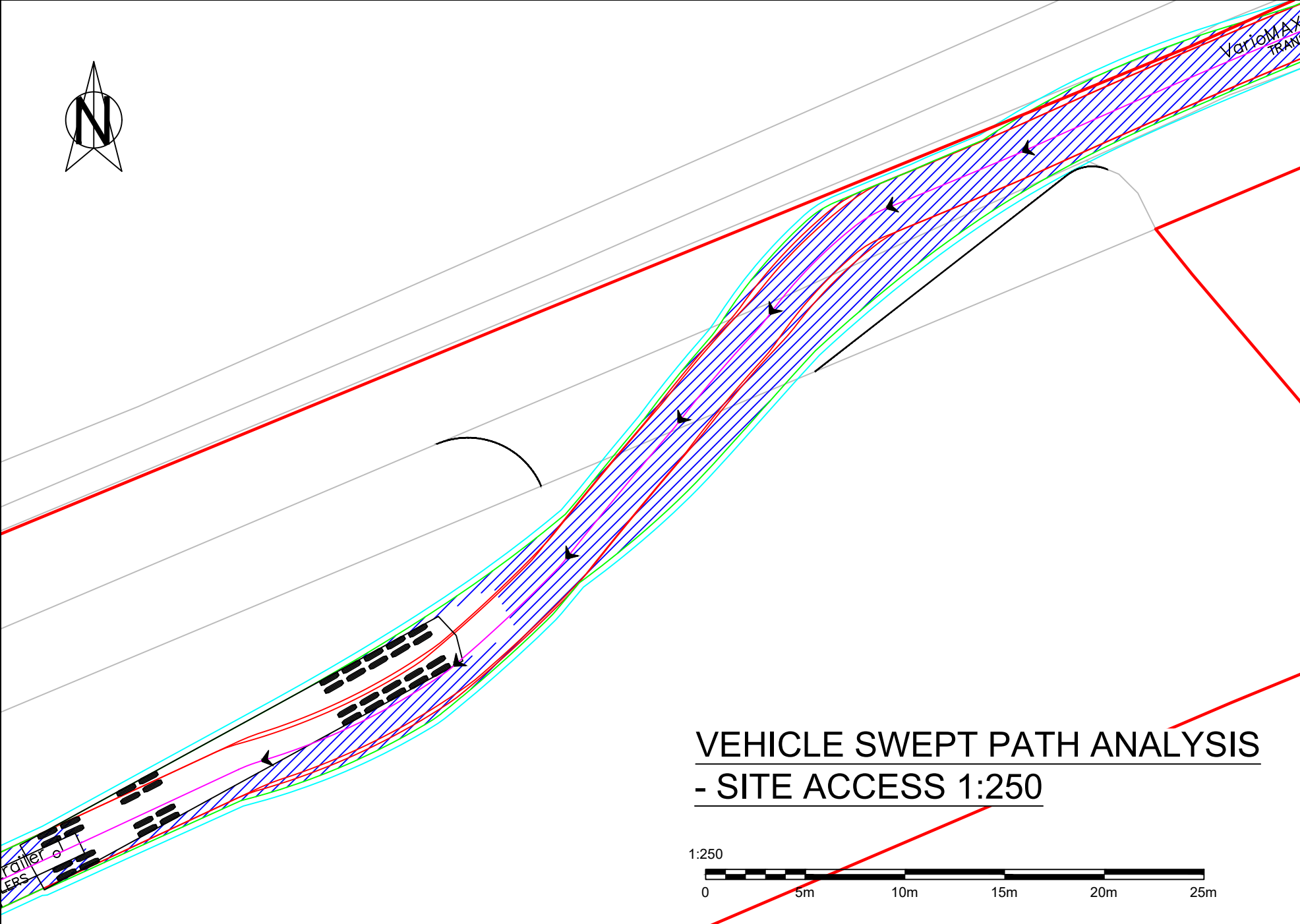
Client  
GREEN HILL SOLAR FARM LTD

Project  
GREEN HILL SOLAR FARM

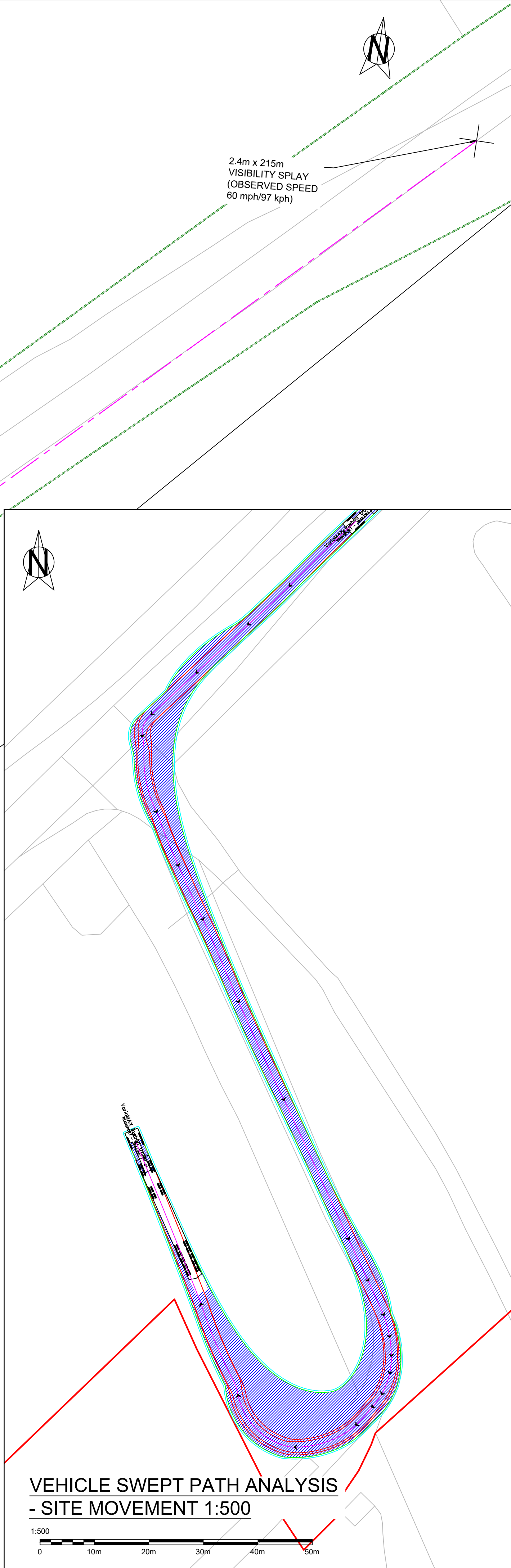
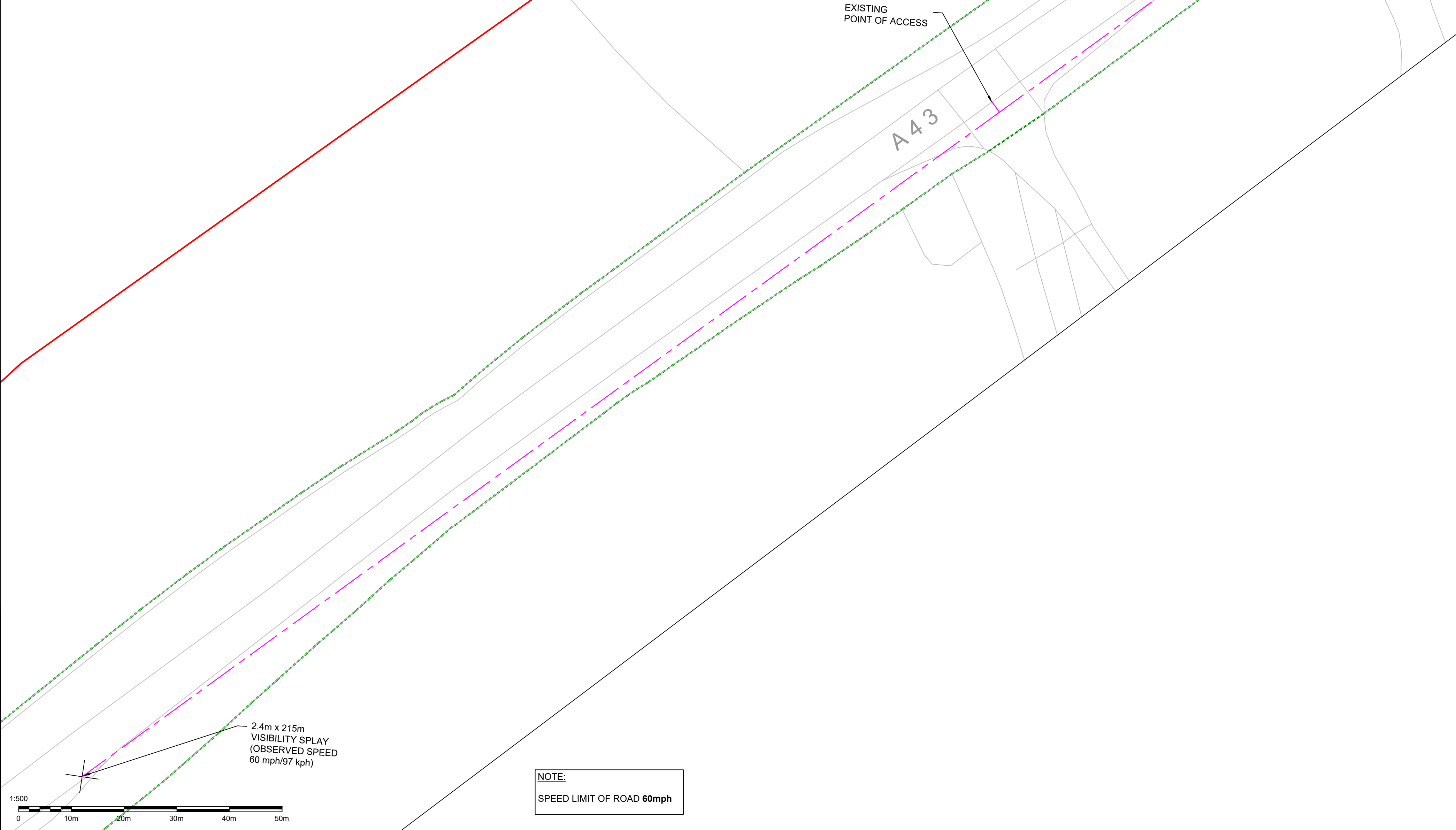
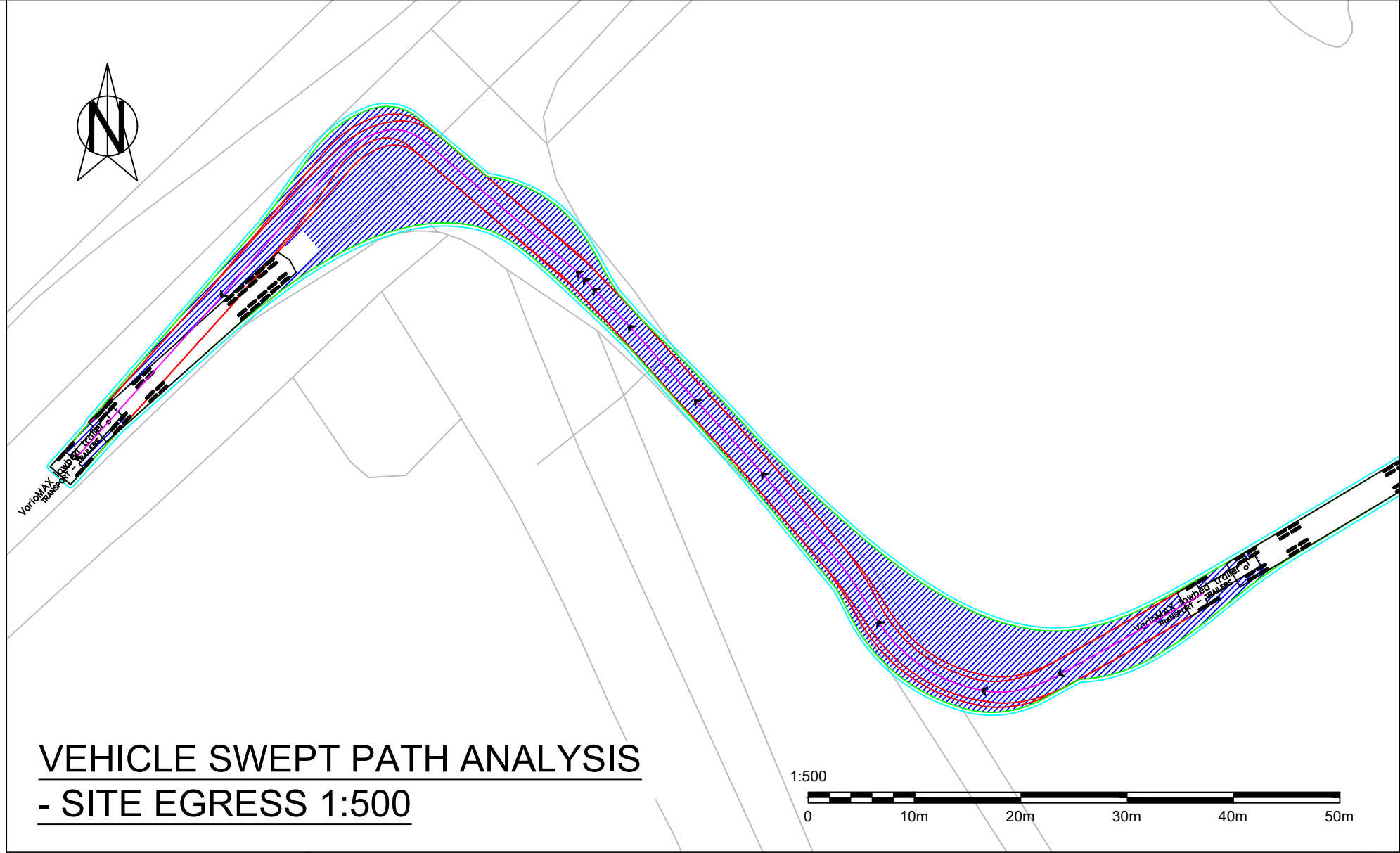
Drawing Title  
CABLE ROUTE ACCESS 3  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drwn	CS	Chkd	OW
As shown	Aprd	SM	Date	MAR 2025

Drawing Ref	Rev
23061-KMC-XX-CR3-DR-CH-0001	D







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KEY PLAN  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- - - TRAFFIC SURVEY LOCATION
- - - HIGHWAY BOUNDARY
- - - VISIBILITY SPLAY EXTENT
- - - EXISTING LAYOUT
- - - PROPOSED EDGE OF ACCESS
- - - EXISTING VEGETATION
- - - EXTENT OF VEGETATION REMOVAL
- - - EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH	: 2.55
TRAILER WIDTH	: 2.55
TRACTOR TRACK	: 2.55
TRAILER TRACK	: 2.55
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 40.0
ARTICULATING ANGLE	: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- ▨ VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- ▭ 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	11.03.2025	Preliminary issue	CS	LF	SM

REV	DATE	DESCRIPTION	DRN	CHKD	APRD

**Issue Status**

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<input checked="" type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

**Client**

GREEN HILL SOLAR FARM LTD

**Project**

GREEN HILL SOLAR FARM

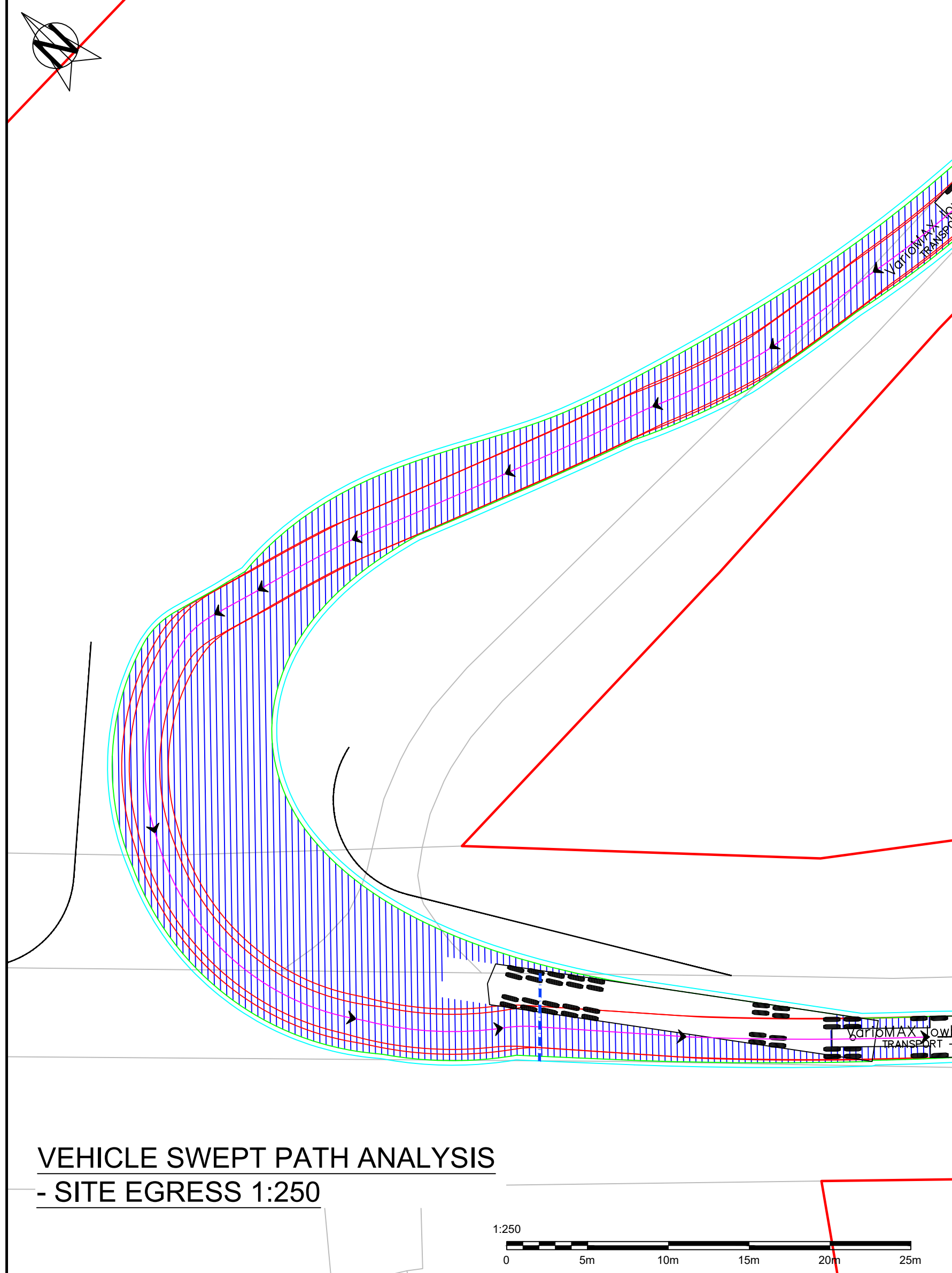
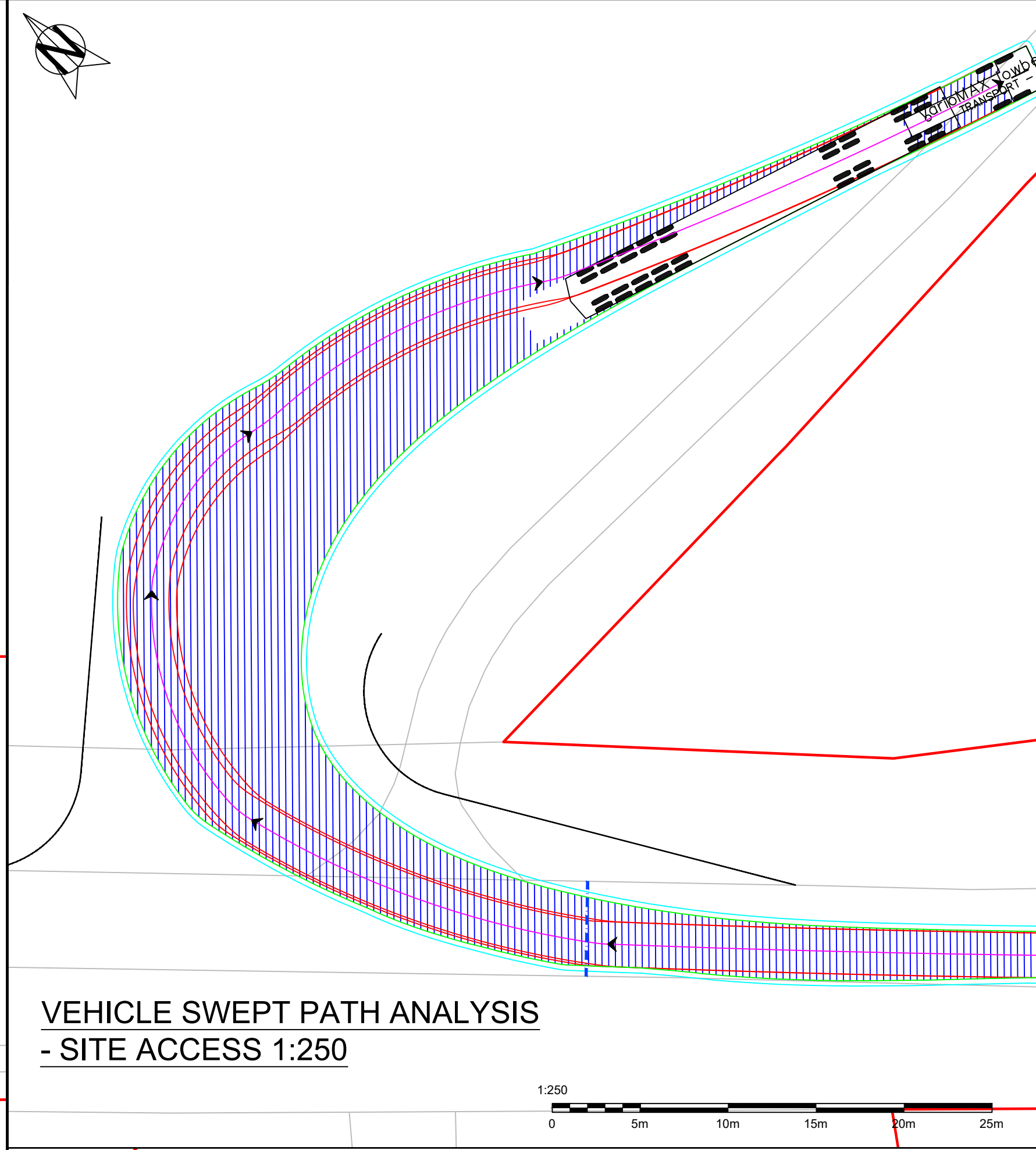
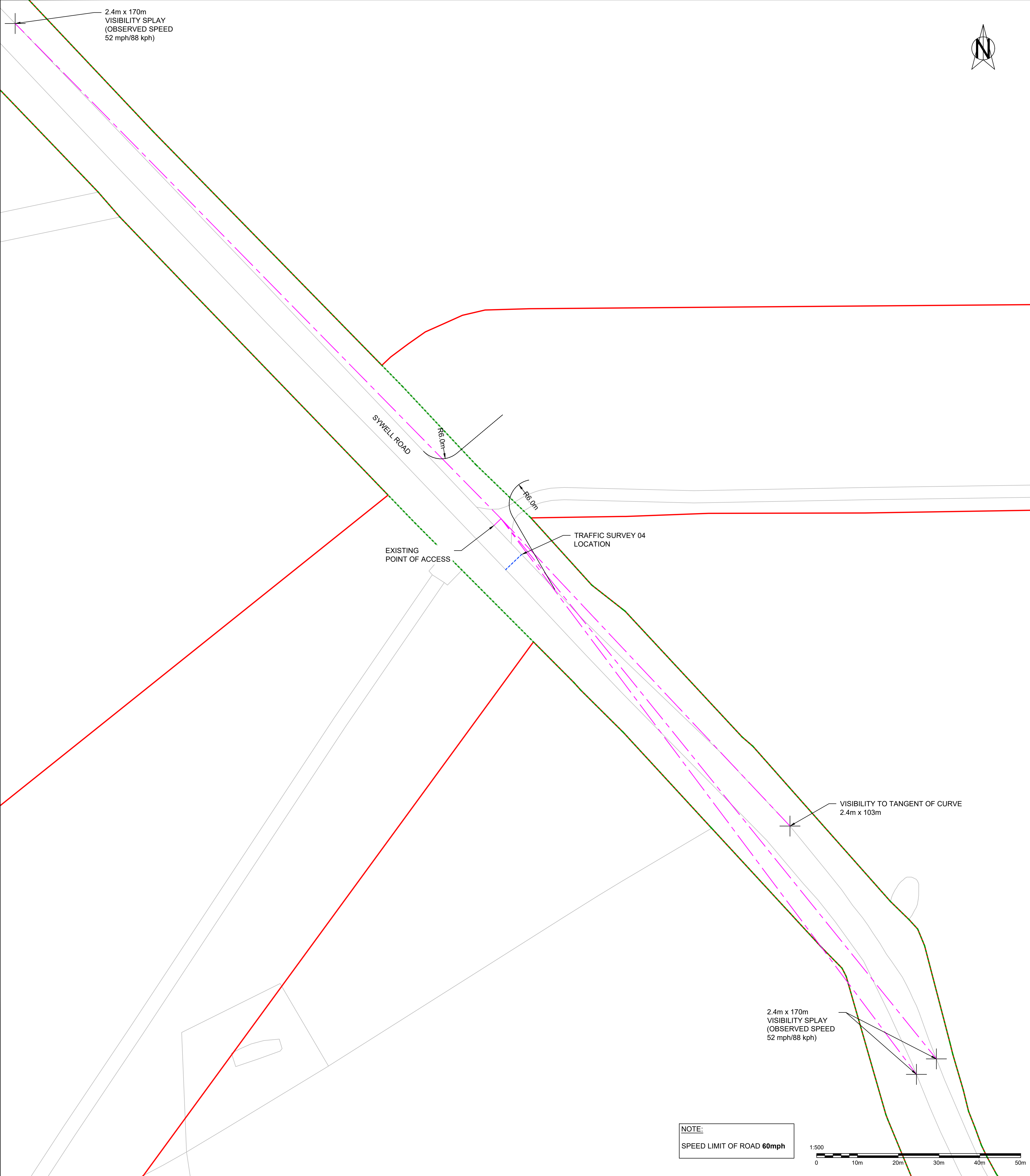
**Drawing Title**

CABLE ROUTE ACCESS 4  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drawn	CS	Chkd	OW
As shown	Aprd	SM	Date	MAR 2025

Drawing Ref	Rev
23061-KMC-XX-CR4-DR-CH-0001	D





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**KEY PLAN**  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- TRAFFIC SURVEY LOCATION
- HIGHWAY BOUNDARY
- VISIBILITY SPLAY EXTENT
- EXISTING LAYOUT
- PROPOSED EDGE OF ACCESS
- EXISTING VEGETATION
- EXTENT OF VEGETATION REMOVAL
- EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH : 2.55

TRAILER WIDTH : 2.55

TRACTOR TRACK : 2.55

TRAILER TRACK : 2.55

LOCK TO LOCK TIME : 6.0

STEERING ANGLE : 40.0

ARTICULATING ANGLE: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	11.03.2025	Preliminary issue	CS	LF	SM

REV	DATE	DESCRIPTION	DRN	CHKD	APRD

Issue Status

<input type="checkbox"/> CONCEPT	<input type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

Client  
GREEN HILL SOLAR FARM LTD

Project  
GREEN HILL SOLAR FARM

Drawing Title  
CABLE ROUTE ACCESS 5  
GENERAL ARRANGEMENT & VEHICLE TRACKING

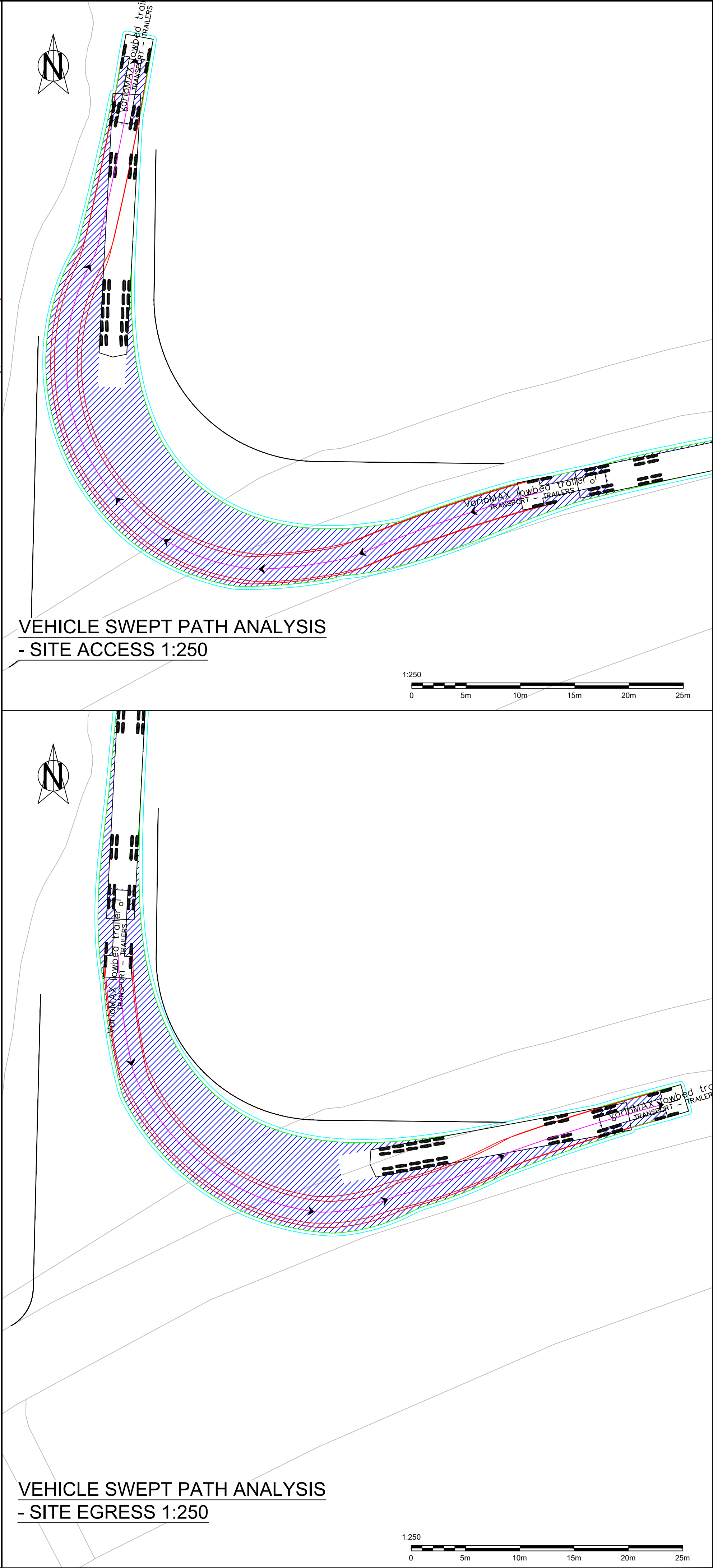
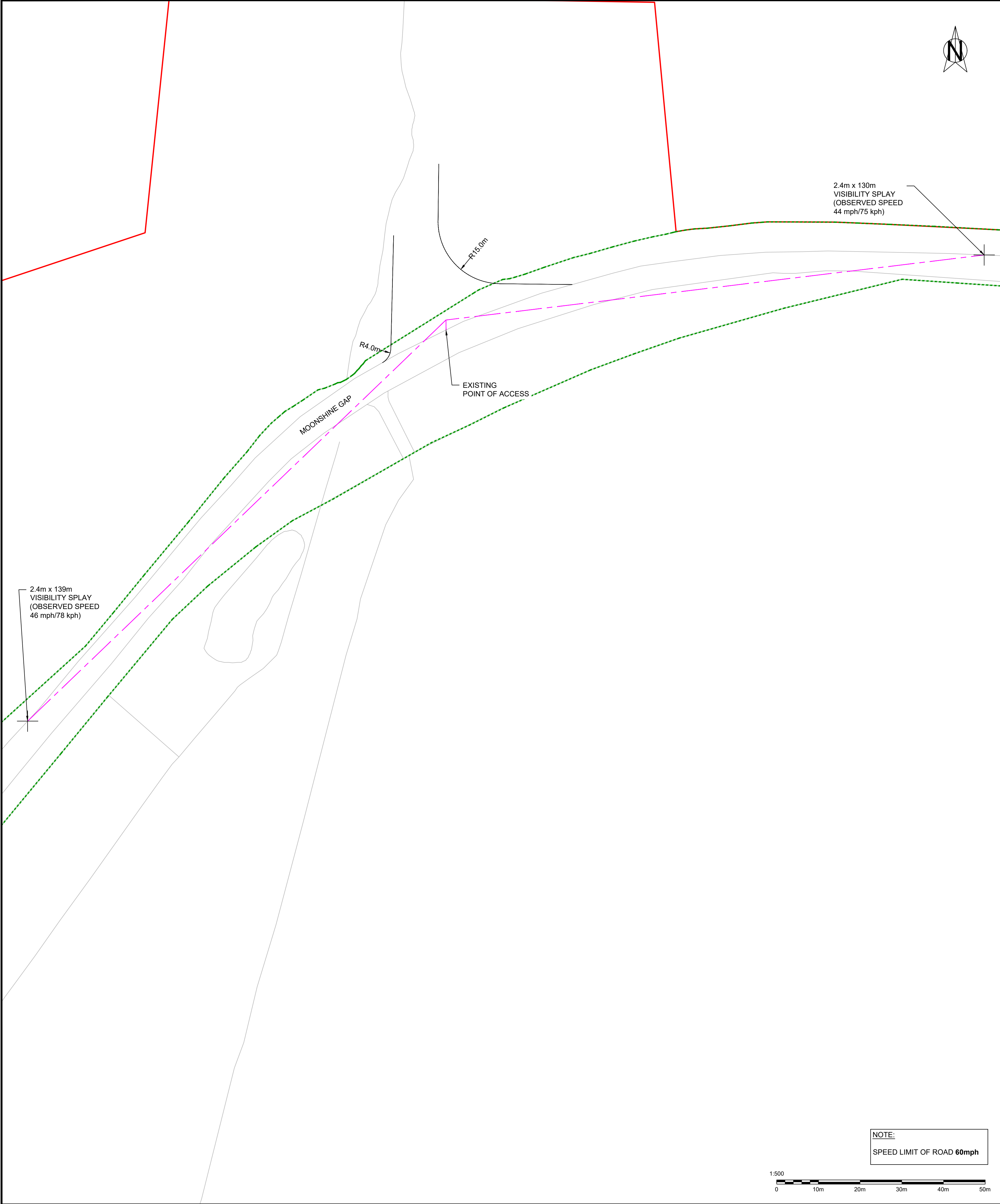
Scale @ A1  
As shown

CS	OW
Aprd	Date
SM	MAR 2025

Drawing Ref  
23061-KMC-XX-CR5-DR-CH-0001

Rev	D
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**KEY PLAN**  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- - - TRAFFIC SURVEY LOCATION
- - - HIGHWAY BOUNDARY
- - - VISIBILITY SPLAY EXTENT
- - - EXISTING LAYOUT
- PROPOSED EDGE OF ACCESS
- EXISTING VEGETATION
- EXTENT OF VEGETATION REMOVAL
- EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH : 2.55

TRAILER WIDTH : 2.55

TRACTOR TRACK : 2.55

TRAILER TRACK : 2.55

LOCK TO LOCK TIME : 6.0

STEERING ANGLE : 40.0

ARTICULATING ANGLE: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	11.03.2025	Preliminary issue	CS	LF	SM

REV	DATE	DESCRIPTION	DRN	CHKD	APRD

Issue Status

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<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

Client:  
GREEN HILL SOLAR FARM LTD

Project:  
GREEN HILL SOLAR FARM

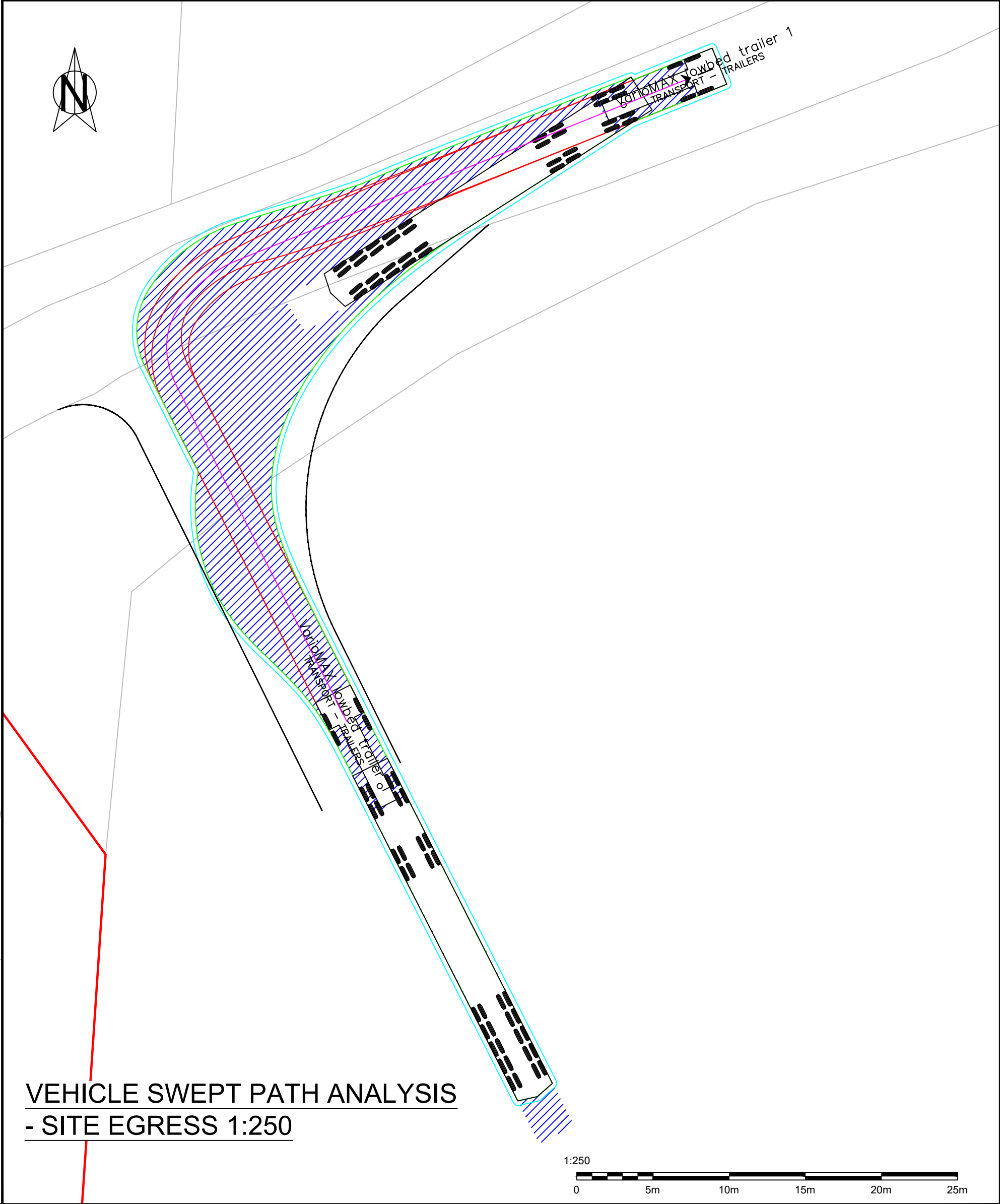
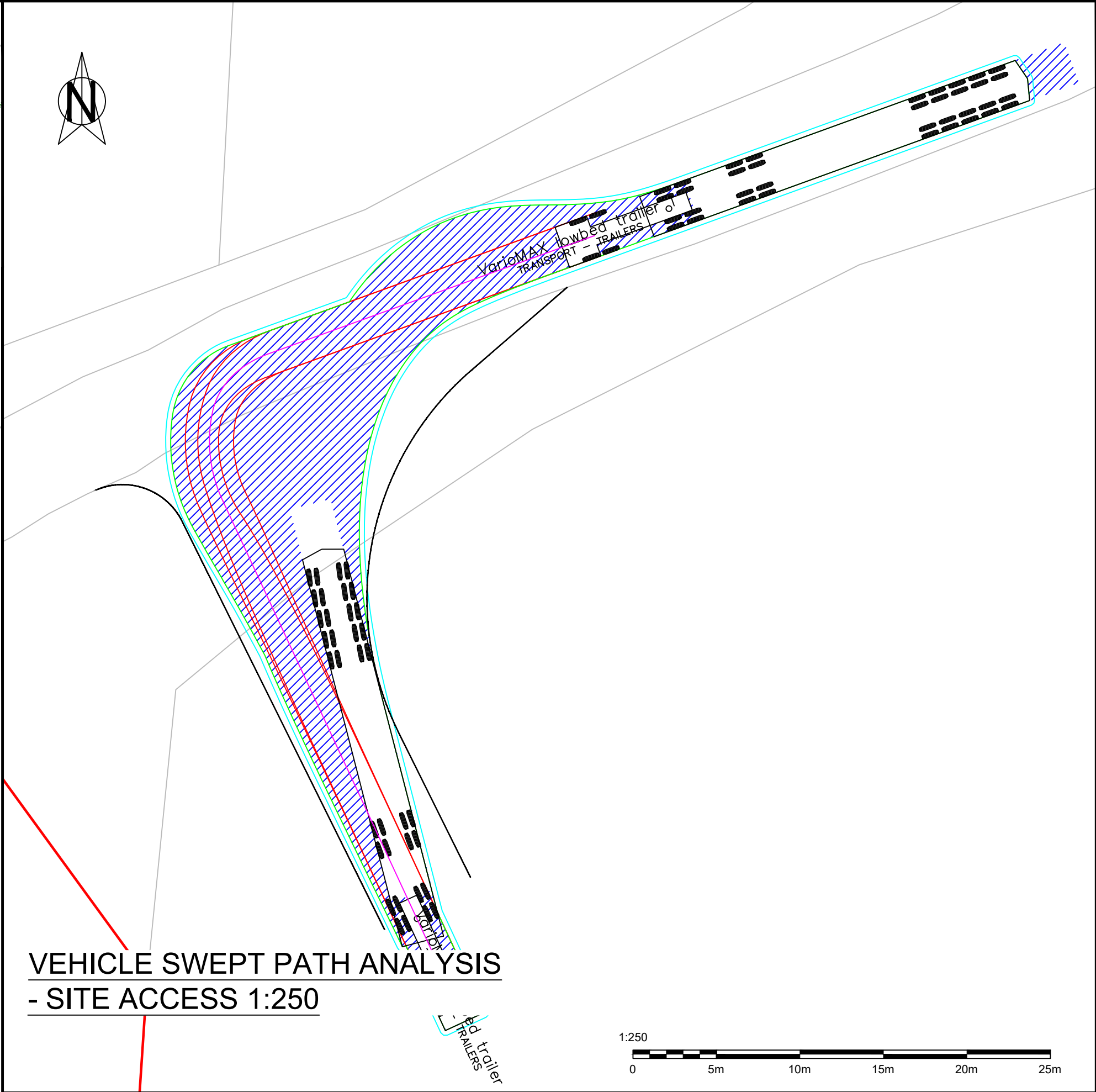
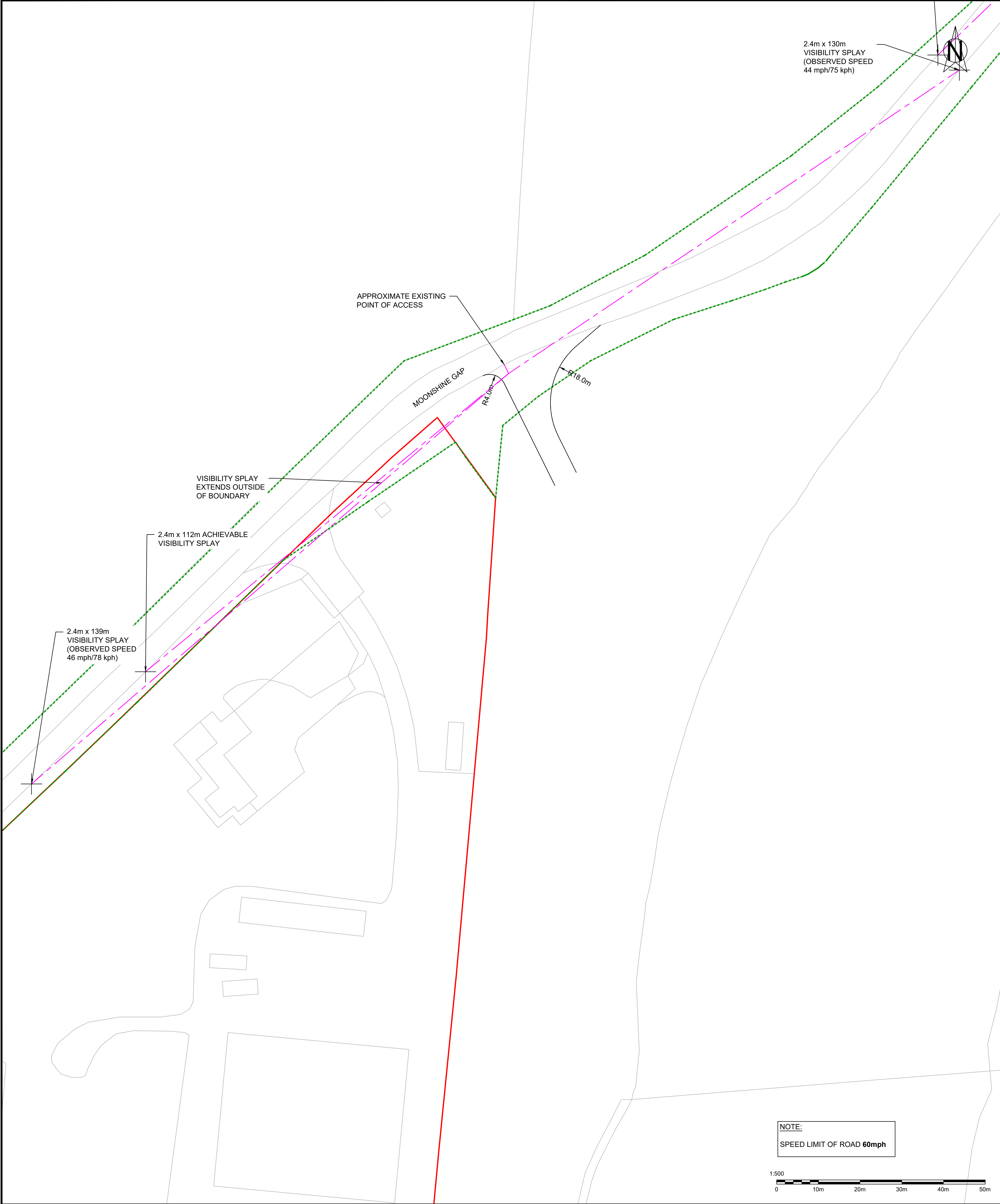
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CABLE ROUTE ACCESS 6  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drwn	CS	Chkd	OW
As shown	Aprd	SM	Date	APR 2025

Drawing Ref	Rev
23061-KMC-XX-CR6-DR-CH-0001	D

**kmc**  
transport planning





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**KEY PLAN**  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- TRAFFIC SURVEY LOCATION
- HIGHWAY BOUNDARY
- VISIBILITY SPLAY EXTENT
- EXISTING LAYOUT
- PROPOSED EDGE OF ACCESS
- EXISTING VEGETATION
- EXTENT OF VEGETATION REMOVAL
- EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH	: 2.55
TRAILER WIDTH	: 2.55
TRACTOR TRACK	: 2.55
TRAILER TRACK	: 2.55
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 40.0
ARTICULATING ANGLE	: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

C	03.12.2025	Drawing updated as per client comments	CS	OW	SM
B	19.05.2025	Boundary removed	CS	OW	SM
A	10.04.2025	Preliminary issue	CS	OW	SM

REV	DATE	DESCRIPTION	DRN	CHKD	APRD

Issue Status

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<input checked="" type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

Client  
GREEN HILL SOLAR FARM LTD

Project  
GREEN HILL SOLAR FARM

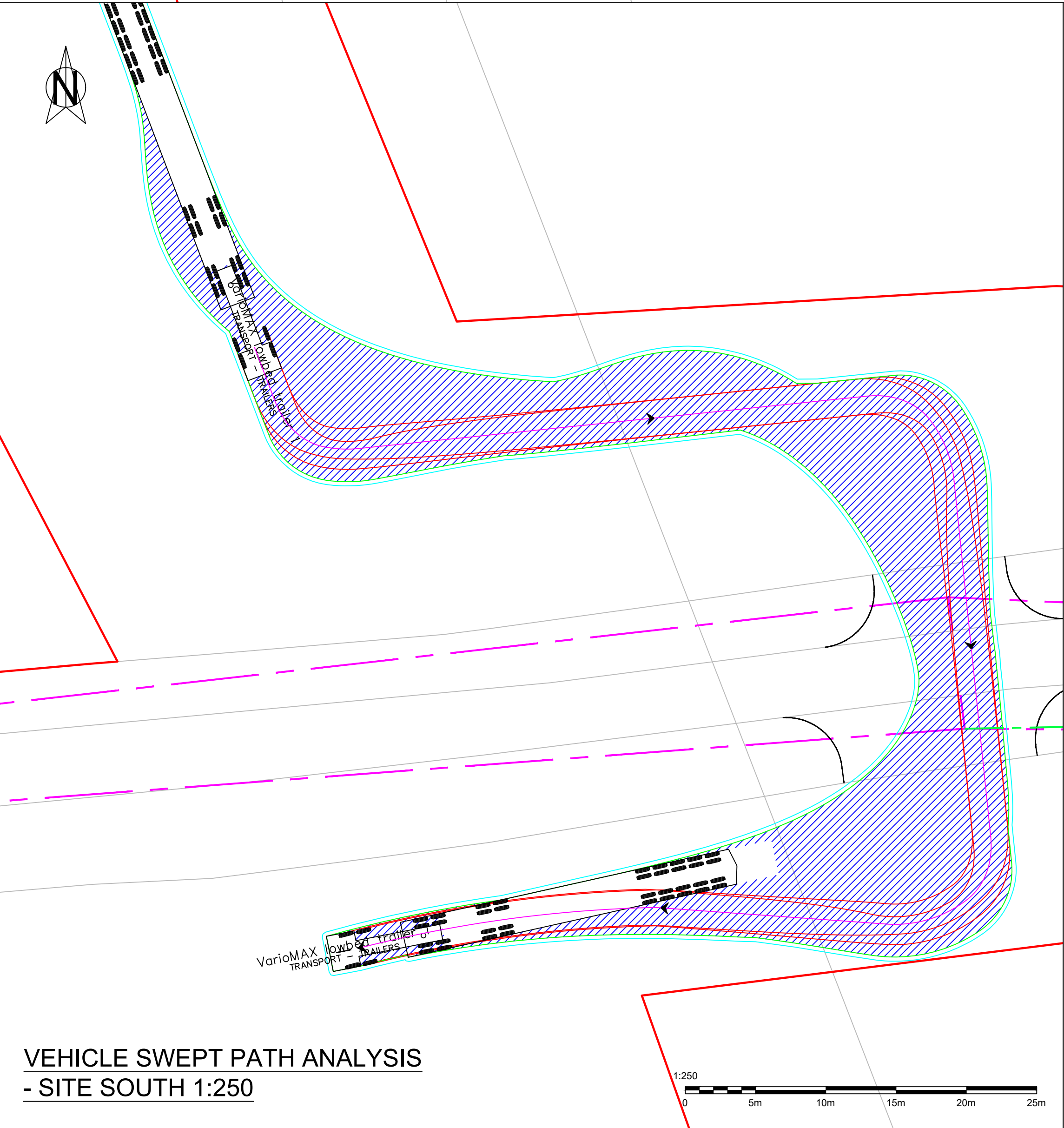
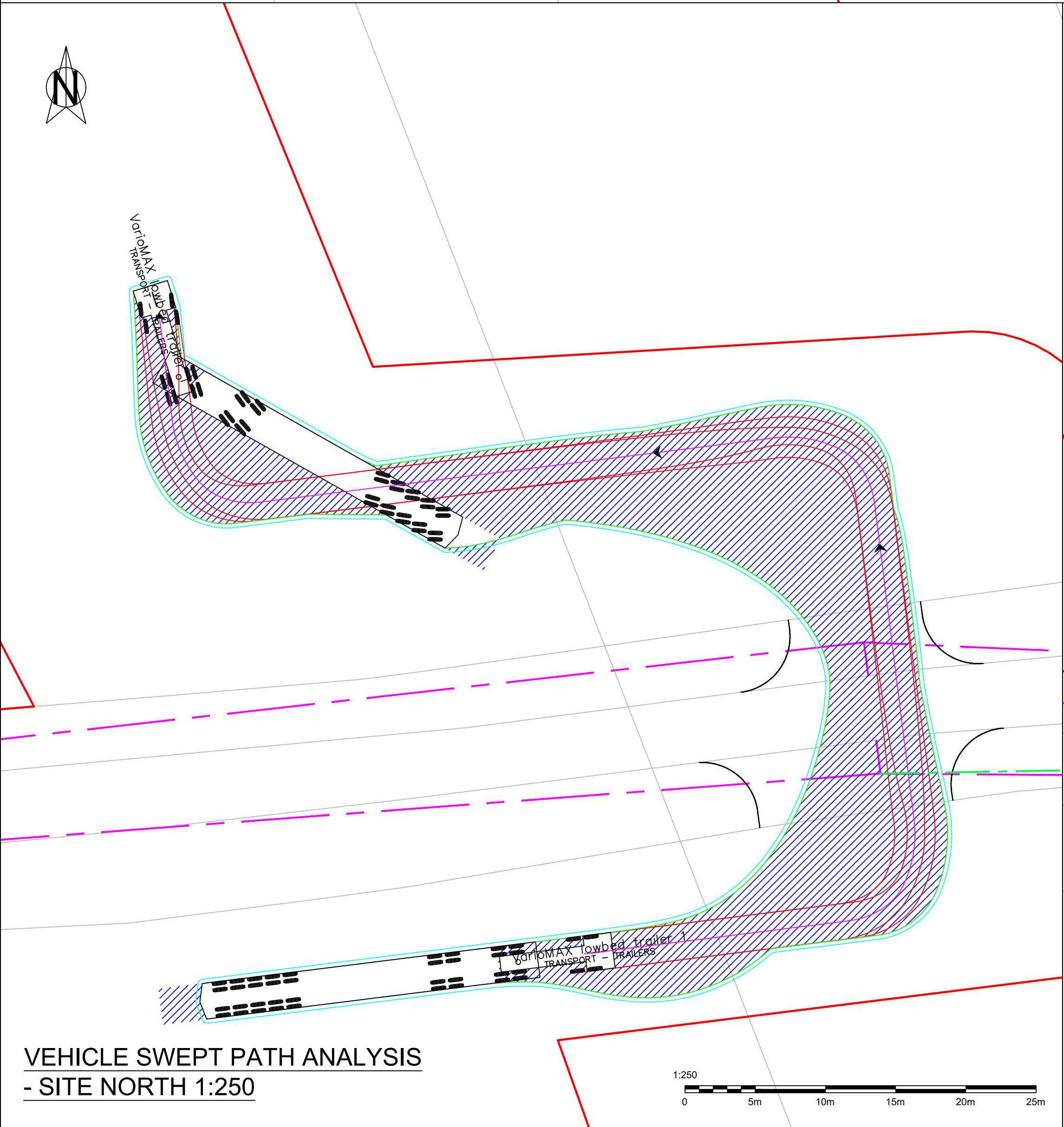
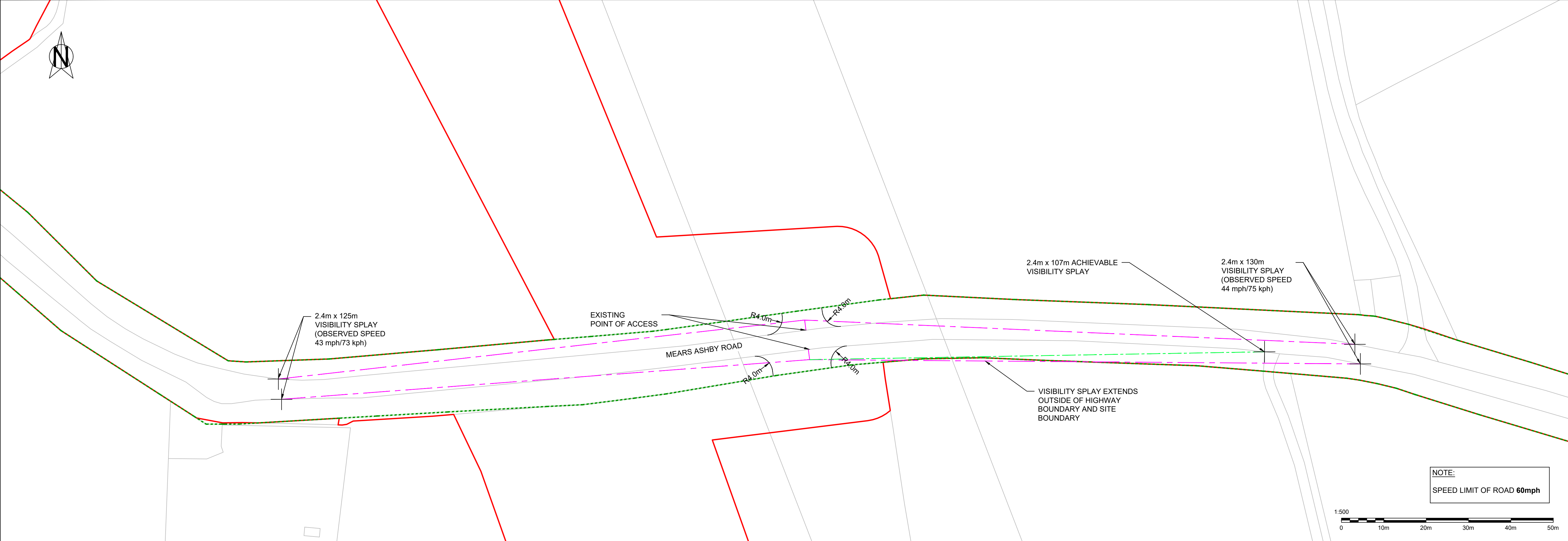
Drawing Title  
CABLE ROUTE ACCESS 7  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drawn	CS	Chkd	OW
As shown	Aprd	SM	Date	APR 2025

Drawing Ref	Rev
23061-KMC-XX-CR7-DR-CH-0001	C

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transport planning





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**KEY:**

- SITE BOUNDARY
- TRAFFIC SURVEY LOCATION
- HIGHWAY BOUNDARY
- VISIBILITY SPLAY EXTENT
- EXISTING LAYOUT
- PROPOSED EDGE OF ACCESS
- EXISTING VEGETATION
- EXTENT OF VEGETATION REMOVAL
- EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH	: 2.55
TRAILER WIDTH	: 2.55
TRACTOR TRACK	: 2.55
TRAILER TRACK	: 2.55
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 40.0
ARTICULATING ANGLE	: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Achievable splay added	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	10.04.2025	Preliminary issue	CS	OW	SM

REV	DATE	DESCRIPTION	DRN	CHKD	APRD

Issue Status

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<input checked="" type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

Client  
GREEN HILL SOLAR FARM LTD

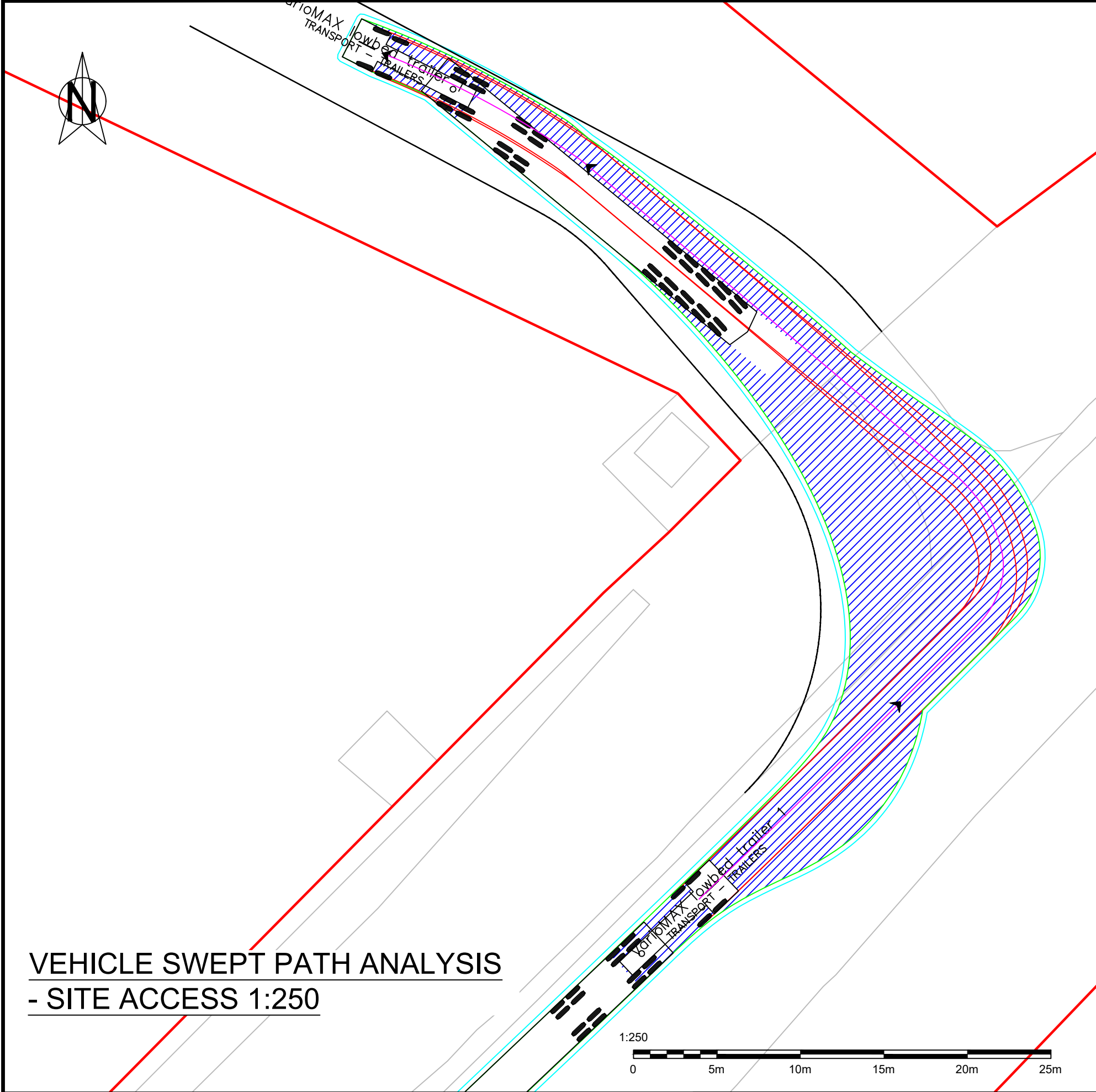
Project  
GREEN HILL SOLAR FARM

Drawing Title  
CABLE ROUTE ACCESS 8 & 9  
GENERAL ARRANGEMENT & VEHICLE TRACKING

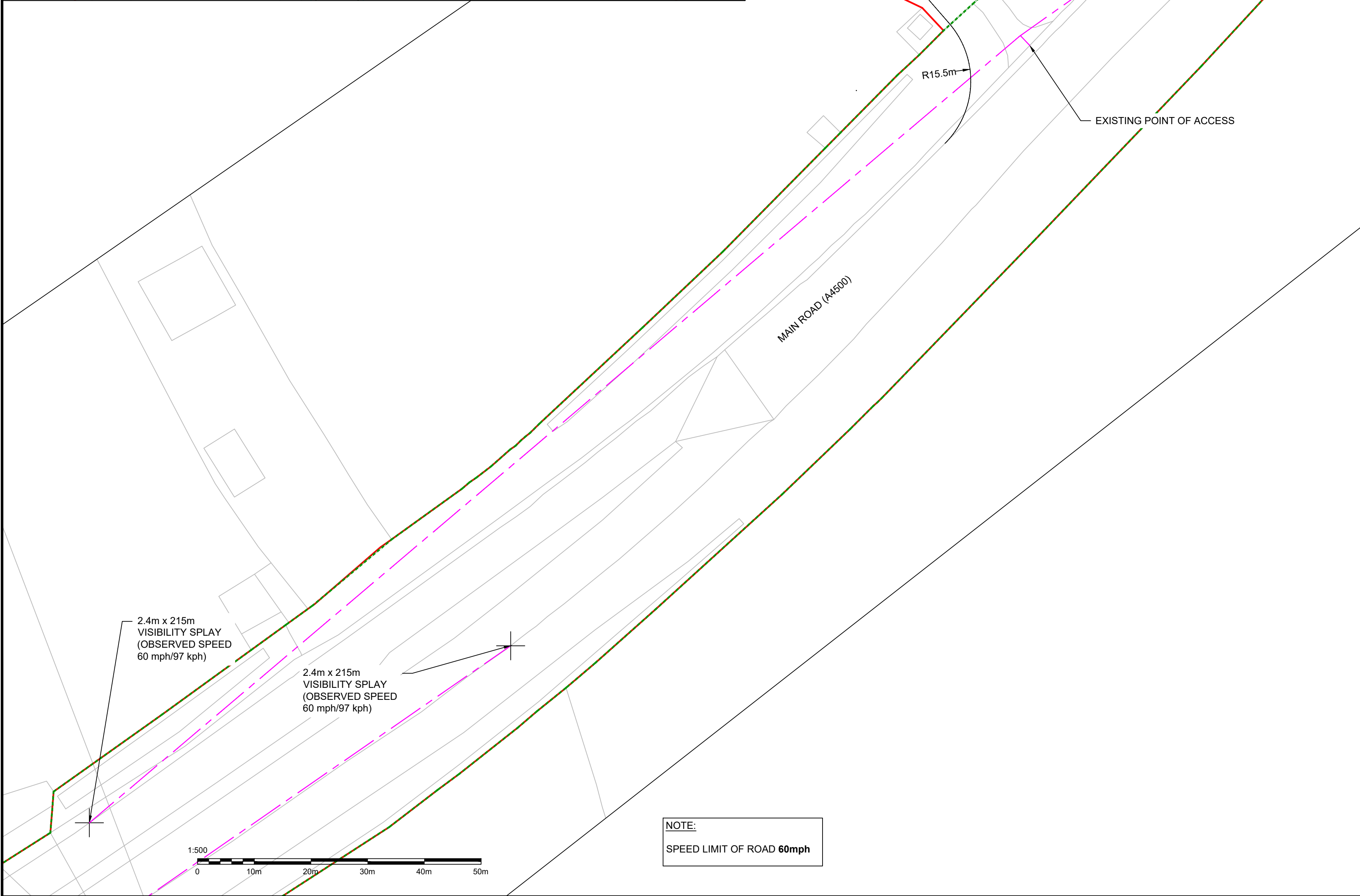
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As shown	Aprd	SM	Date	APR 2025

Drawing Ref	Rev
23061-KMC-XX-CR8-9-DR-CH-0001	D

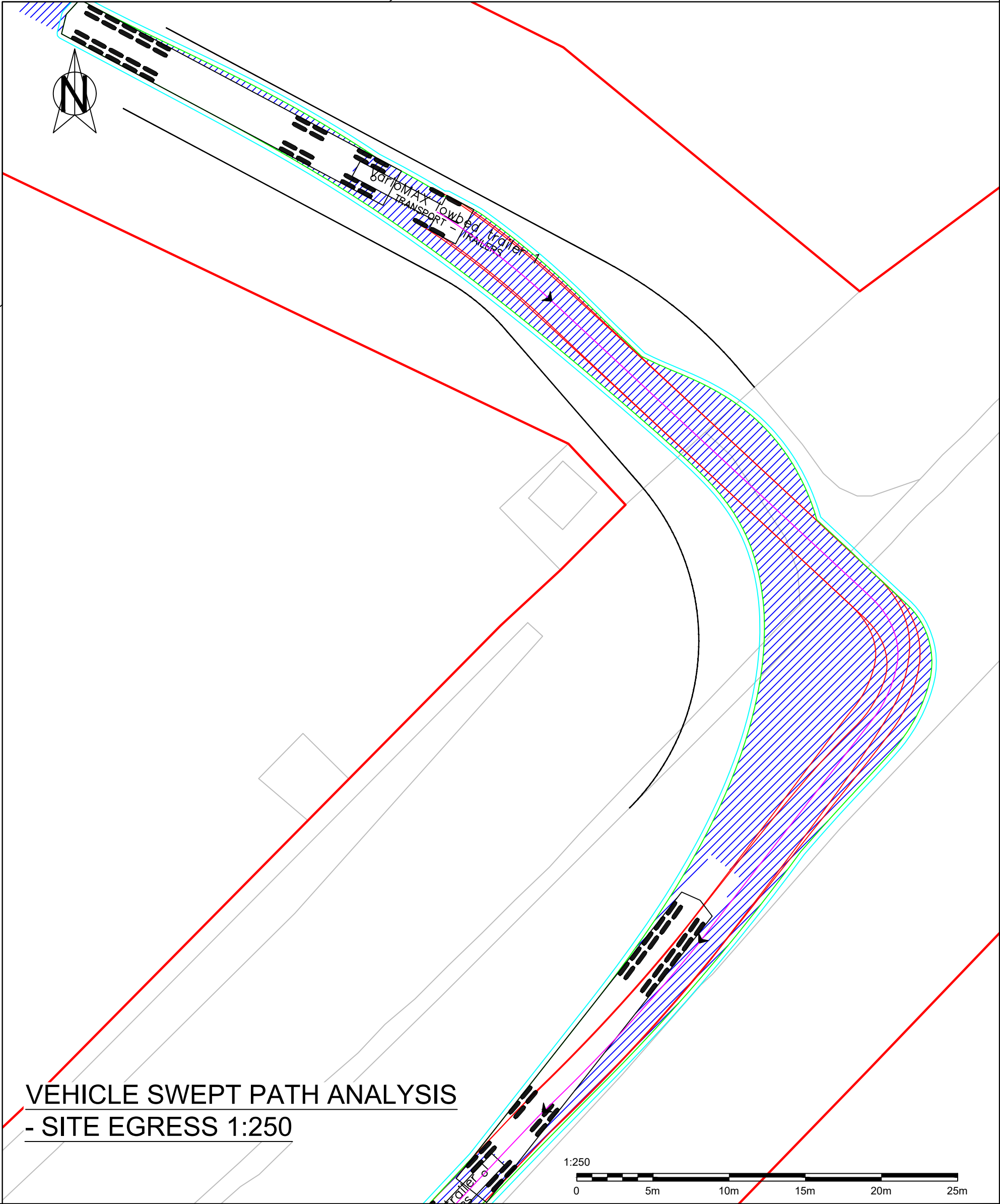




VEHICLE SWEEP PATH ANALYSIS  
- SITE ACCESS 1:250



VEHICLE SWEEP PATH ANALYSIS  
- SITE EGRESS 1:250



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**KEY PLAN**  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- - - TRAFFIC SURVEY LOCATION
- - - HIGHWAY BOUNDARY
- - - VISIBILITY SPLAY EXTENT
- - - EXISTING LAYOUT
- - - PROPOSED EDGE OF ACCESS
- - - EXISTING VEGETATION
- - - EXTENT OF VEGETATION REMOVAL
- - - EXISTING CONTOURS

**VEHICLE PROFILE:**

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH	: 2.55
TRAILER WIDTH	: 2.55
TRACTOR TRACK	: 2.55
TRAILER TRACK	: 2.55
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 40.0
ARTICULATING ANGLE	: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- ▨ VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- ▭ 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Boundary removed	CS	OW	SM
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REV	DATE	DESCRIPTION	DRN	CHKD	APRD

Issue Status

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<input checked="" type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

Client  
GREEN HILL SOLAR FARM LTD

Project  
GREEN HILL SOLAR FARM

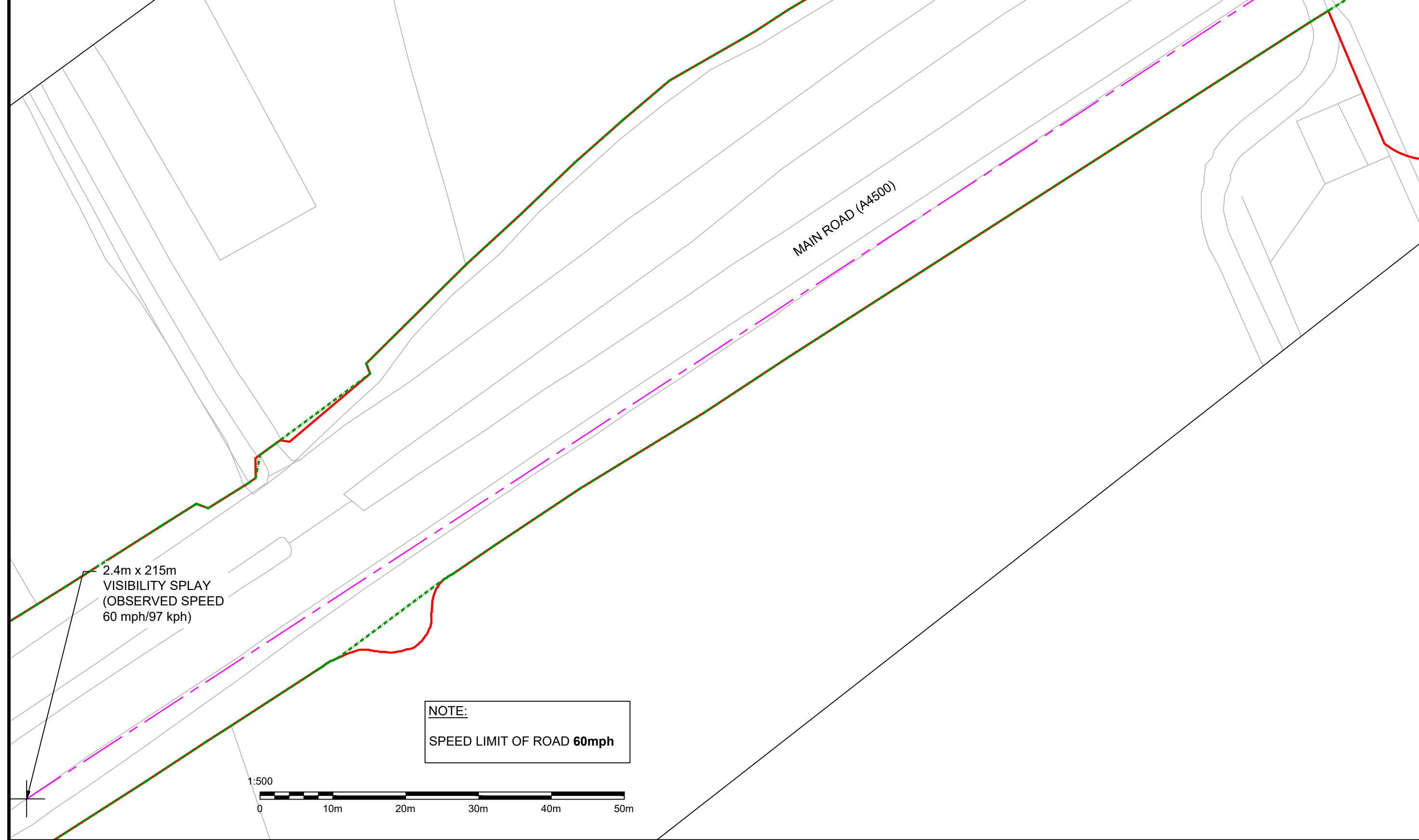
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GENERAL ARRANGEMENT & VEHICLE TRACKING


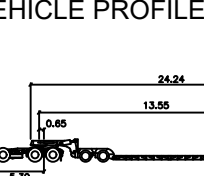
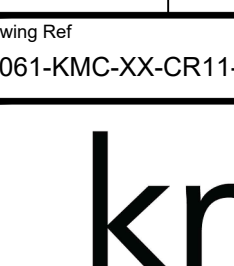
Scale @ A1	Drawn	CS	Chkd	OW
As shown	Aprd	SM	Date	MAR 2025

Drawing Ref	Rev
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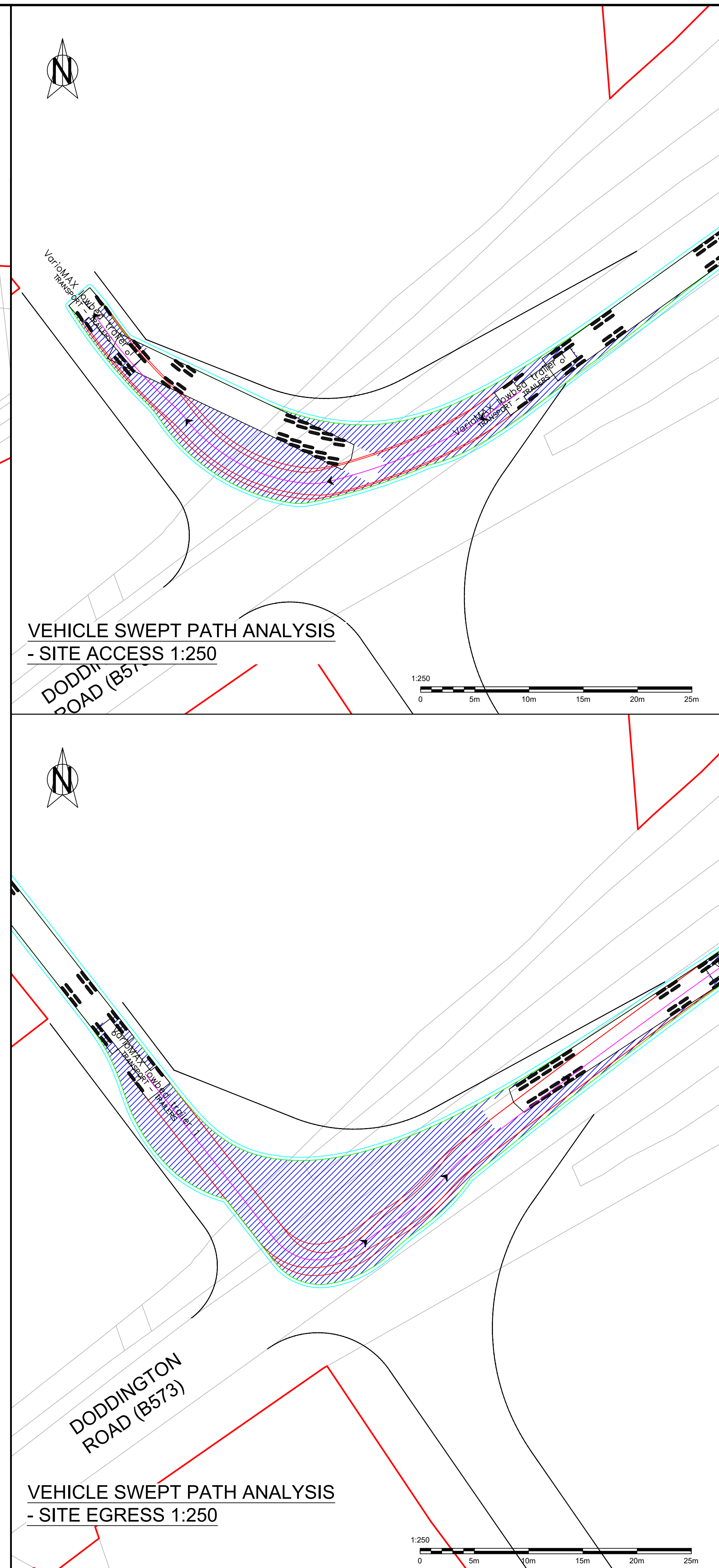
**kmc**  
transport planning





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3. Do not scale from this drawing; only figured dimensions are to be worked from.							
4. Any discrepancies must be reported immediately before proceeding.							
5. This drawing to be read & printed in colour.							
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				N 			
<b>KEY PLAN</b> 1:20000@A1							
<b>KEY:</b>							
SITE BOUNDARY							
TRAFFIC SURVEY LOCATION							
HIGHWAY BOUNDARY							
VISIBILITY SPLAY EXTENT							
EXISTING LAYOUT							
PROPOSED EDGE OF ACCESS							
EXISTING VEGETATION							
EXTENT OF VEGETATION REMOVAL							
12S 5     EXISTING CONTOURS							
<b>VEHICLE PROFILE:</b>							
							
VARIO-MAX LOWBED - 29.63m meters							
TRACTOR WIDTH : 2.55							
TRAILER WIDTH : 2.55							
TRACTOR TRACK : 2.55							
TRAILER TRACK : 2.55							
LOCK TO LOCK TIME : 6.0							
STEERING ANGLE : 40.0							
ARTICULATING ANGLE: 70.0							
<b>VEHICLE ANALYSIS KEY:</b>							
VEHICLE PATH & DIRECTION							
VEHICLE BODY ENVELOPE							
VEHICLE FRONT WHEEL PATH							
0.3m VEHICLE BUFFER ZONE AROUND TRACKING							
D	03.12.2025	Drawing updated as per client comments			CS	CW	SM
C	19.05.2025	Boundary removed			CS	CW	SM
B	10.04.2025	Boundary updated, Drawing combined			CS	CW	SM
A	11.03.2025	Preliminary Issue			CS	LF	SM
REV	DATE	DESCRIPTION	DRN	CHKD	APRD		
<b>Issue Status</b>							
<input type="checkbox"/> CONCEPT				<input type="checkbox"/> CONSTRUCTION			
<input checked="" type="checkbox"/> PRELIMINARY				<input type="checkbox"/> AS BUILT			
<input type="checkbox"/> TENDER				<input type="checkbox"/> H&S FILE ISSUE			
Client <b>GREEN HILL SOLAR FARM LTD</b>							
Project <b>GREEN HILL SOLAR FARM</b>							
Drawing Title <b>CABLE ROUTE ACCESS 11 GENERAL ARRANGEMENT &amp; VEHICLE TRACKING</b>							
Scale @ A1 As shown		Drawn Aprd	CS SM	Chkd Date	OW MAR 2025		
Drawing Ref 23061-KMC-XX-CR11-DR-CH-0001					Rev D		
							





- NOTES :**

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  - Do not scale from this drawing; only figured dimensions are to be worked from.
  - Any discrepancies must be reported immediately before proceeding.
  - This drawing to be read & printed in colour.
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**KEY PLAN**  
**1:20000@A1**

**KEY:**

  - — — SITE BOUNDARY
  - - - - - TRAFFIC SURVEY LOCATION
  - - - - - HIGHWAY BOUNDARY
  - - - - - VISIBILITY SPLAY EXTENT
  - - - - - EXISTING LAYOUT
  - PROPOSED EDGE OF ACCESS
  - ~ ~ ~ EXISTING VEGETATION
  - EXTENT OF VEGETATION REMOVAL
  - 12S.5 --- EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH	: 2.55
TRAILER WIDTH	: 2.55
TRACTOR TRACK	: 2.55
TRAILER TRACK	: 2.55
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 40.0
ARTICULATING ANGLE	: 70.0

**VEHICLE ANALYSIS KEY:**

  - → → VEHICLE PATH & DIRECTION
  - VEHICLE BODY ENVELOPE
  - VEHICLE FRONT WHEEL PATH
  - 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	DATE	DESCRIPTION	CS	OW	SM
C	20.12.2025	Drawing updated as per client comments	CS	OW	SM
B	19.05.2025	Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	11.03.2025	Preliminary Issue	CS	LF	SM
REV	DATE	DESCRIPTION	DRN	CHKD	APRD

**Issue Status**

<input type="checkbox"/> CONCEPT	<input type="checkbox"/> CONSTRUCTION
<input checked="" type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> H&S FILE ISSUE

**Client**  
GREEN HILL SOLAR FARM LTD

---

**Project**  
GREEN HILL SOLAR FARM

---

**Drawing Title**  
CABLE ROUTE ACCESS 12  
GENERAL ARRANGEMENT & VEHICLE TRACKING

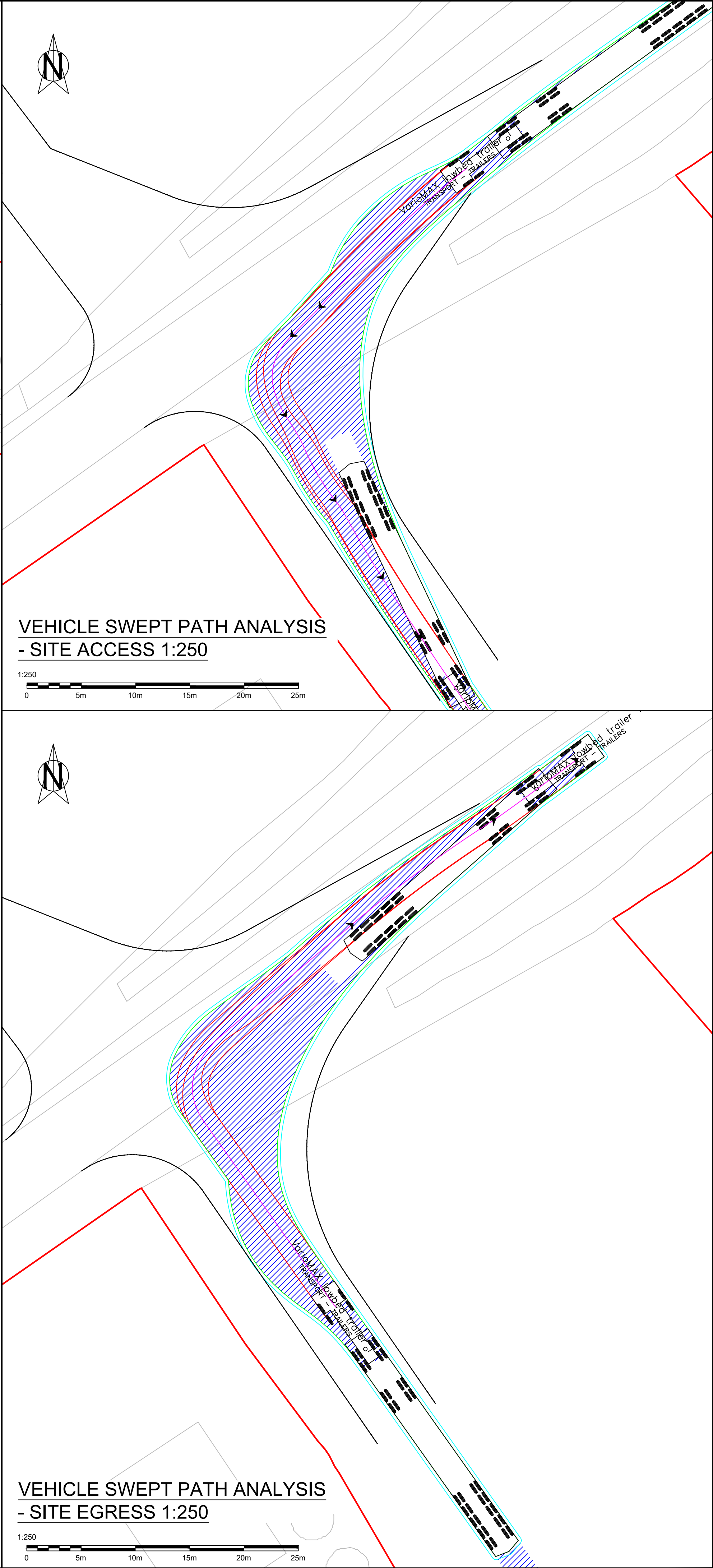
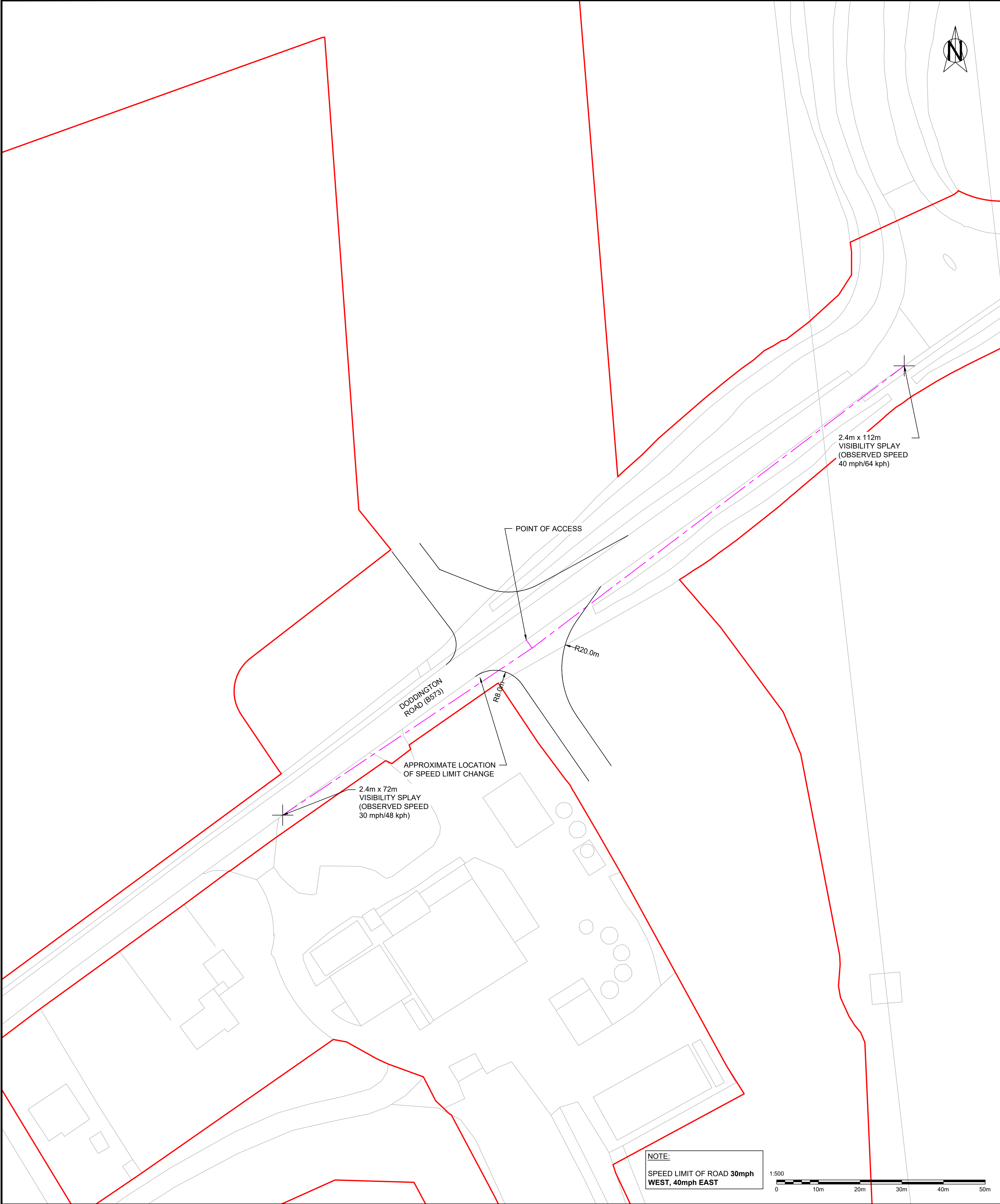
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Scale @ A1	Drawn CS	Chkd OW
As shown	Aprd SM	Date MAR 2025

---

Drawing Ref	Rev
23061-KMC-XX-CR12-DR-CH-0001	D





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**KEY PLAN**  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- TRAFFIC SURVEY LOCATION
- HIGHWAY BOUNDARY
- VISIBILITY SPLAY EXTENT
- EXISTING LAYOUT
- PROPOSED EDGE OF ACCESS
- EXISTING VEGETATION
- EXTENT OF VEGETATION REMOVAL
- EXISTING CONTOURS

**VEHICLE PROFILE:**

**VARIO-MAX LOWBED - 29.63m meters**

TRACTOR WIDTH	: 2.55
TRAILER WIDTH	: 2.55
TRACTOR TRACK	: 2.55
TRAILER TRACK	: 2.55
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 40.0
ARTICULATING ANGLE	: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	11.03.2025	Preliminary issue	CS	LF	SM

REV	DATE	DESCRIPTION	DRN	CHKD	APRD
<input type="checkbox"/>	CONCEPT	<input type="checkbox"/>	CONSTRUCTION		
<input checked="" type="checkbox"/>	PRELIMINARY	<input type="checkbox"/>	AS BUILT		
<input type="checkbox"/>	TENDER	<input type="checkbox"/>	HAS FILE ISSUE		

Client:  
GREEN HILL SOLAR FARM LTD

Project:  
GREEN HILL SOLAR FARM

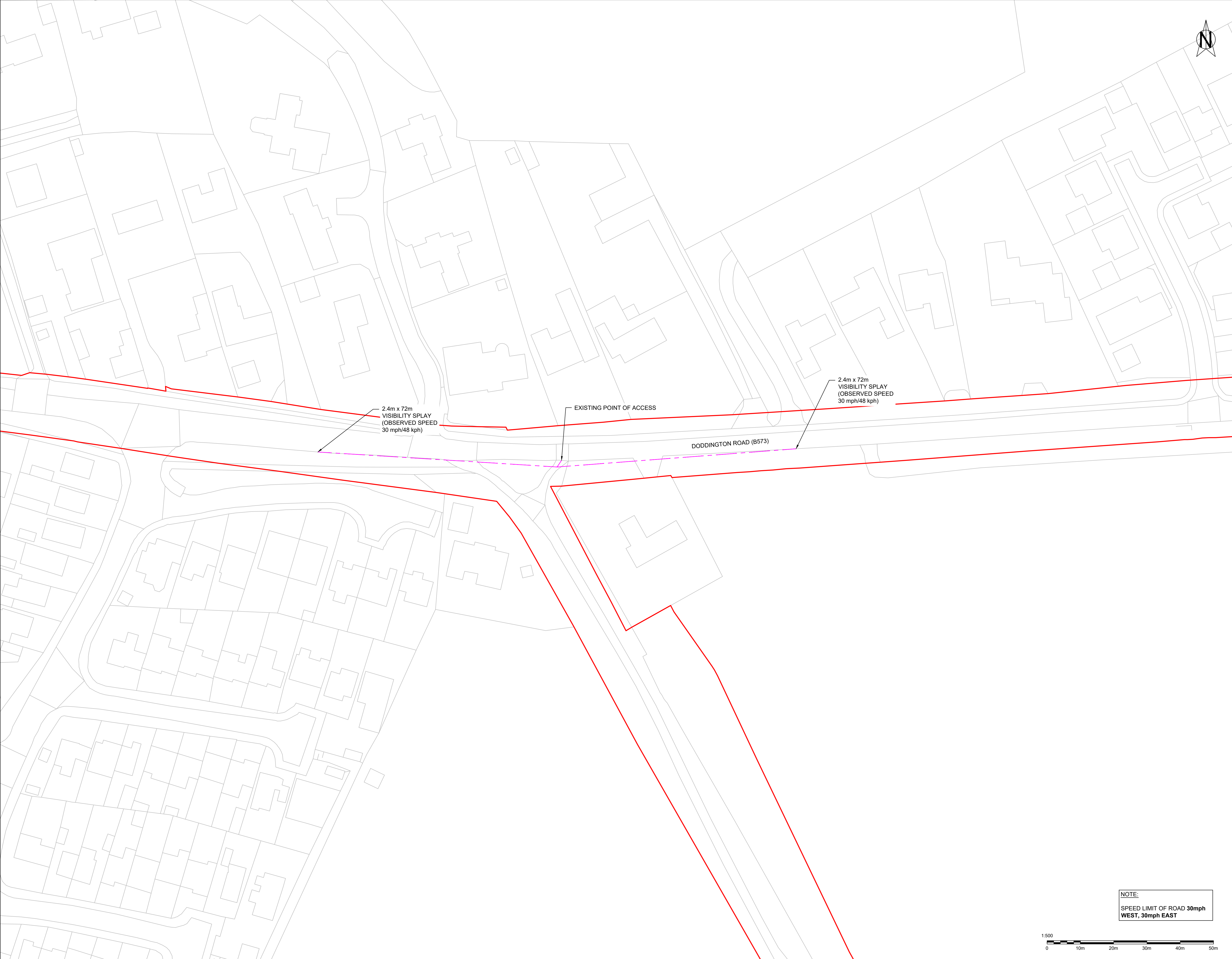
Drawing Title:  
CABLE ROUTE ACCESS 13  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drwn	CS	Chkd	OW
As shown	Aprd	SM	Date	MAR 2025

Drawing Ref	Rev
23061-KMC-XX-CR13-DR-CH-0001	D

**kmc**  
transport planning





- NOTES :**
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KEY PLAN  
1:200000@A1

- KEY:**
- SITE BOUNDARY
  - - - TRAFFIC SURVEY LOCATION
  - - - HIGHWAY BOUNDARY
  - - - VISIBILITY SPLAY EXTENT
  - - - EXISTING LAYOUT
  - PROPOSED EDGE OF ACCESS
  - EXISTING VEGETATION
  - ▨ EXTENT OF VEGETATION REMOVAL
  - 100.0 — EXISTING CONTOURS

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Tracking removed, Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing contained	CS	OW	SM
A	11.03.2025	Preliminary issue	CS	LF	SM
REV	DATE	DESCRIPTION	DRN	CHKD	APRD

<input type="checkbox"/> CONCEPT	<input type="checkbox"/> CONSTRUCTION
<input checked="" type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

Client  
GREEN HILL SOLAR FARM LTD

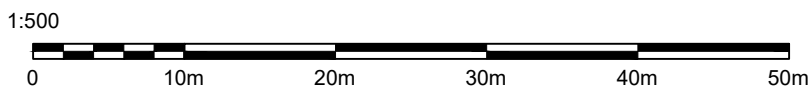
Project  
GREEN HILL SOLAR FARM

Drawing Title  
CABLE ROUTE ACCESS 14  
GENERAL ARRANGEMENT & VEHICLE TRACKING

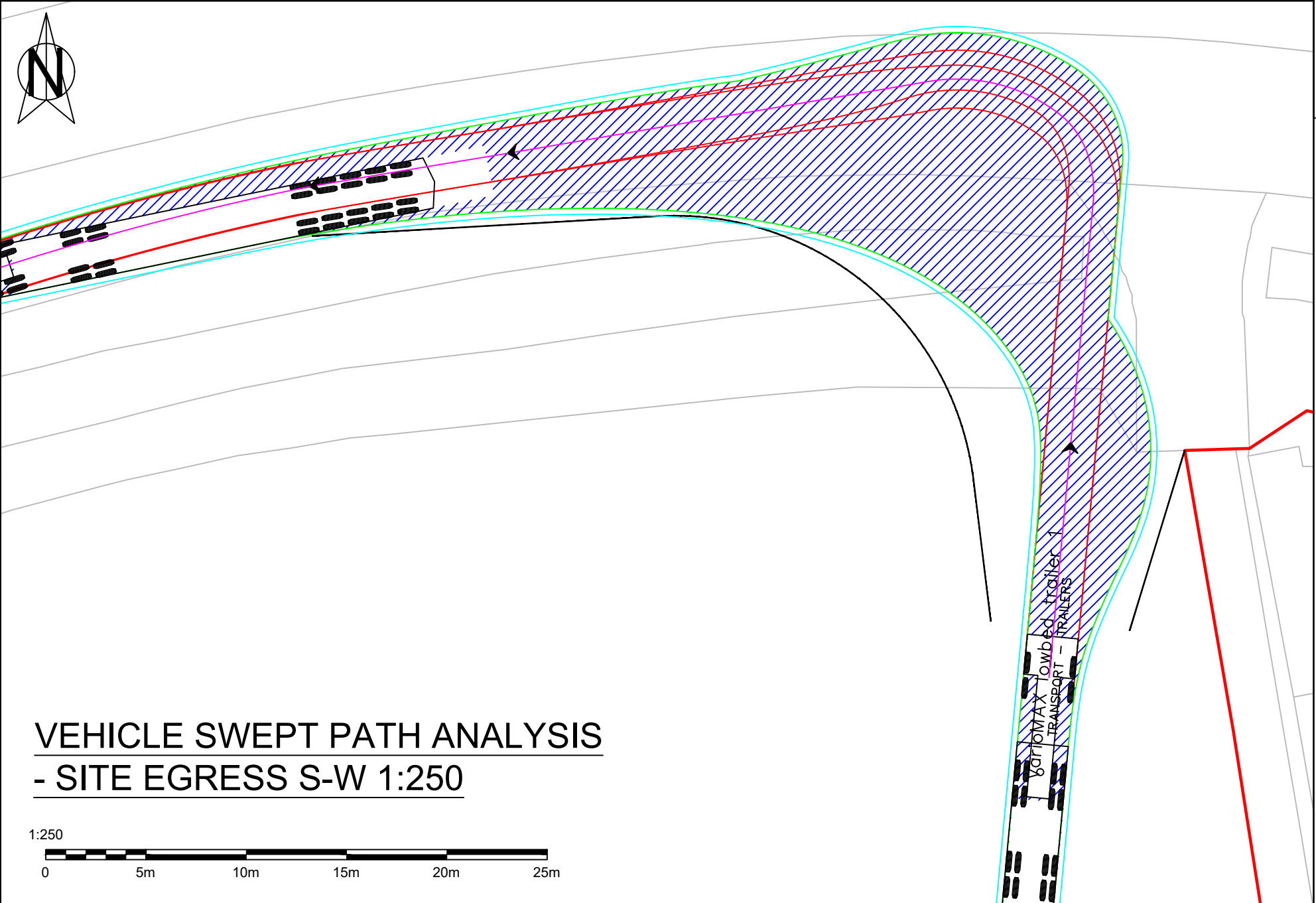
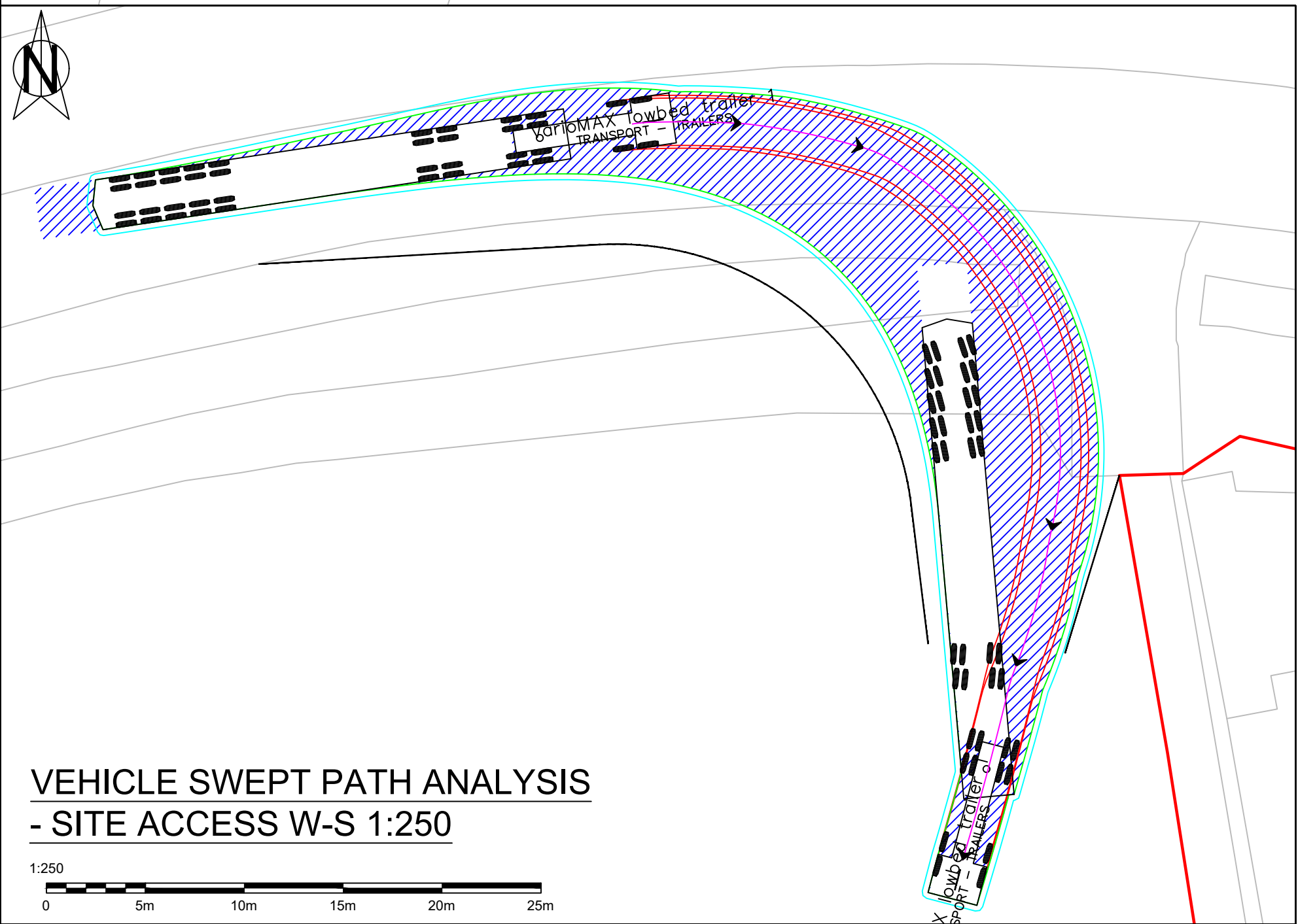
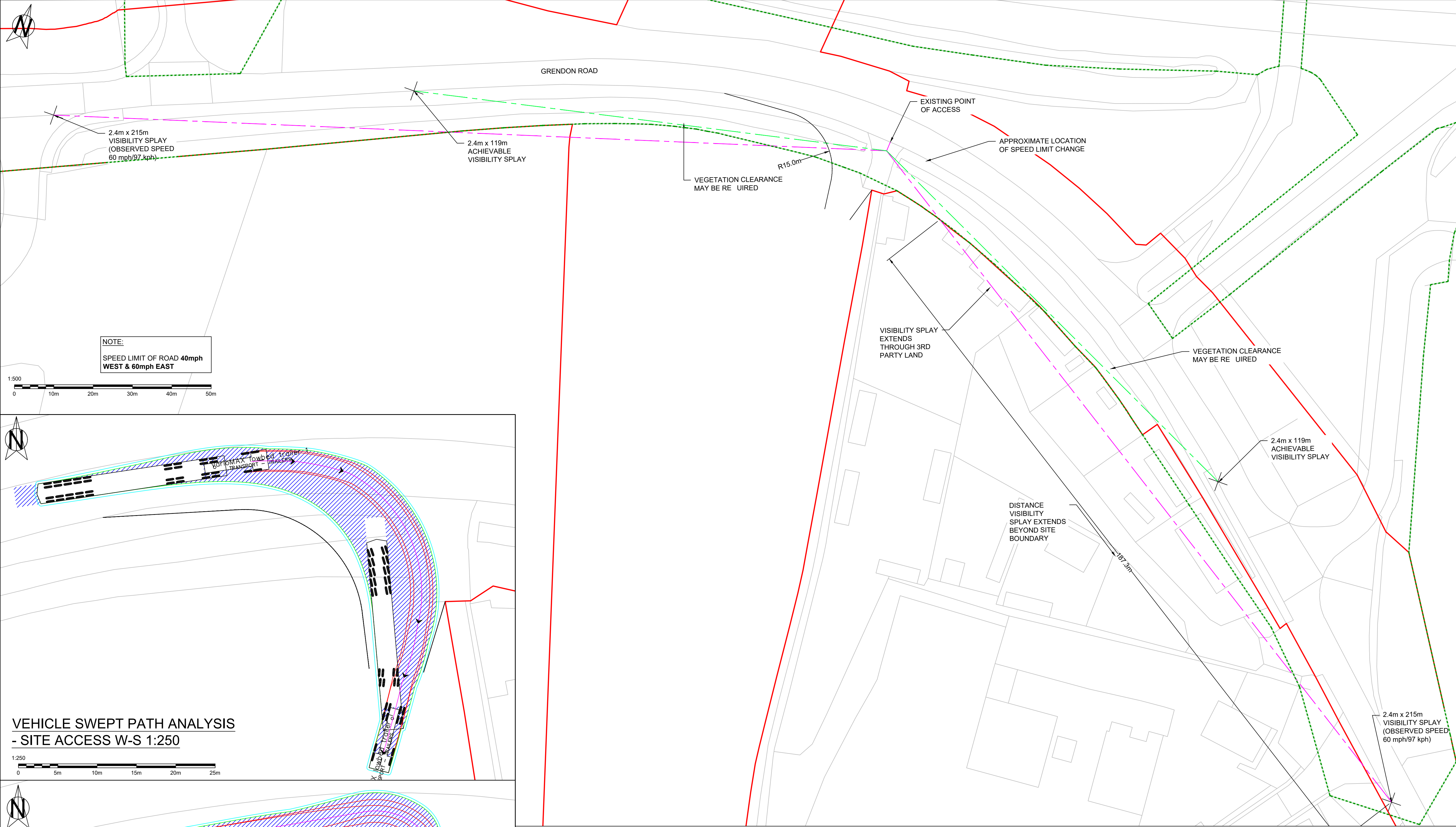
Scale @ A1	Drawn	CS	Chkd	OW
As shown	Aprd	SM	Date	MAR 2025

Drawing Ref	Rev
23061-KMC-XX-CR14-DR-CH-0001	D

**NOTE:**  
SPEED LIMIT OF ROAD 30mph  
WEST, 30mph EAST







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- This drawing to be read & printed in colour.
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**KEY PLAN**  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- TRAFFIC SURVEY LOCATION
- HIGHWAY BOUNDARY
- VISIBILITY SPLAY EXTENT
- EXISTING LAYOUT
- PROPOSED EDGE OF ACCESS
- EXISTING VEGETATION
- EXTENT OF VEGETATION REMOVAL
- EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH : 2.55

TRAILER WIDTH : 2.55

TRACTOR TRACK : 2.55

TRAILER TRACK : 2.55

LOCK TO LOCK TIME : 6.0

STEERING ANGLE : 40.0

ARTICULATING ANGLE: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

REV	DATE	DESCRIPTION	DRN	CHKD	APRD
E	08.12.2025	Drawing updated as per council comments	CS	OW	SM
D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Tracking updated and location plan updated	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing contained	CS	OW	SM
A	11.03.2025	Preliminary Issue	CS	LF	SM

**Issue Status**

<input type="checkbox"/> CONCEPT	<input type="checkbox"/> CONSTRUCTION
<input checked="" type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

**Client**  
GREEN HILL SOLAR FARM LTD

**Project**  
GREEN HILL SOLAR FARM

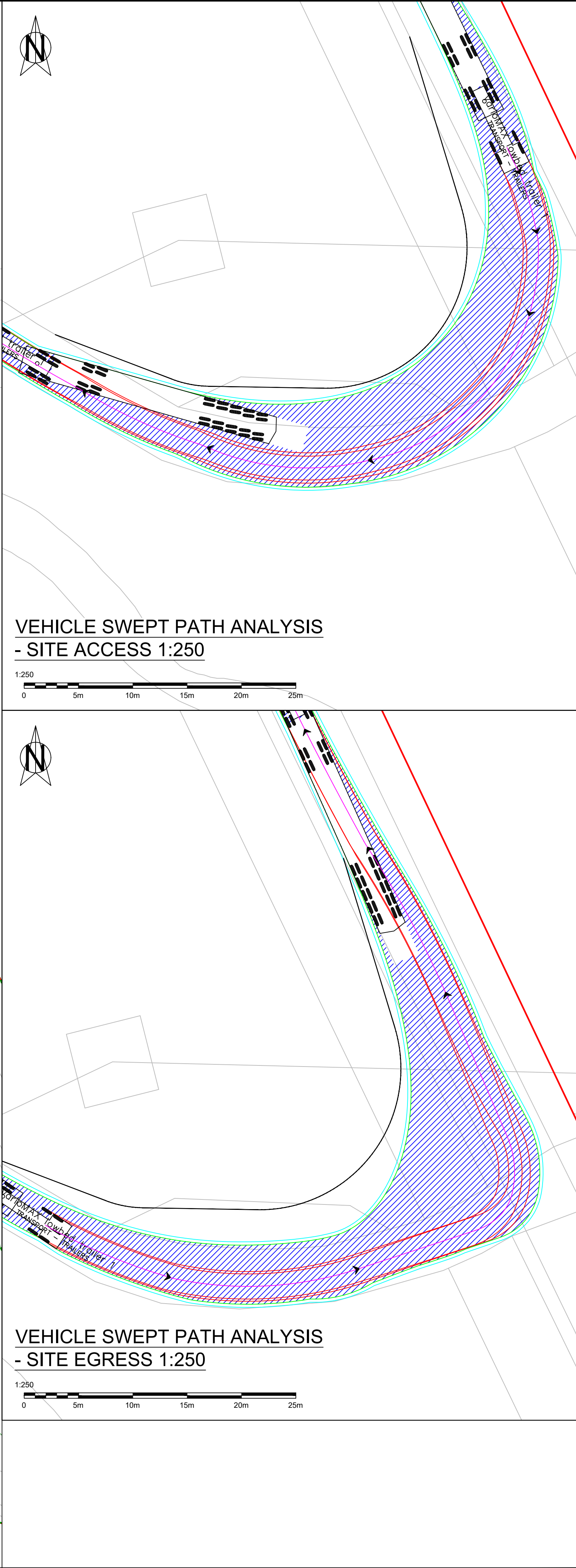
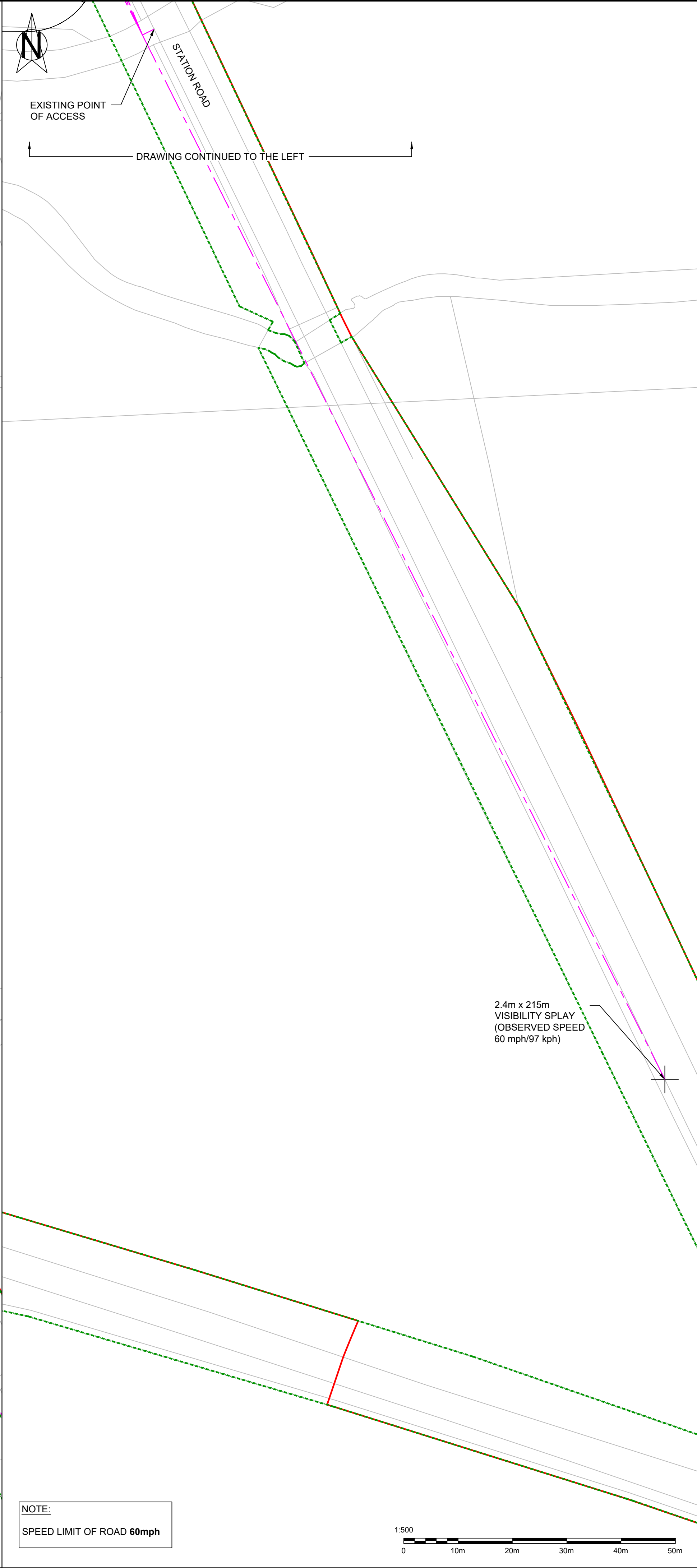
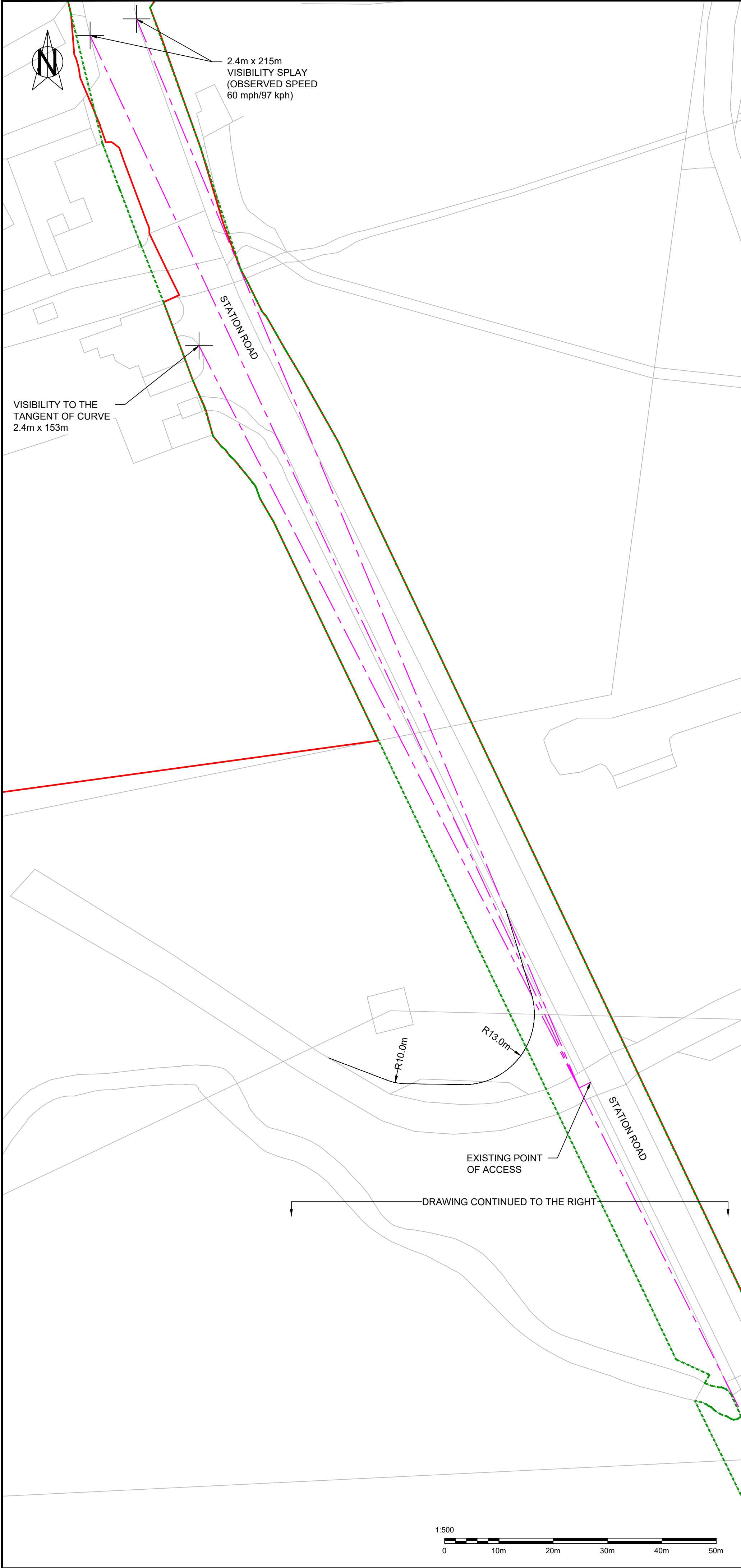
**Drawing Title**  
CABLE ROUTE ACCESS 15  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drawn	CS	Chkd	OW
As shown	Aprd	SM	Date	APR 2025

Drawing Ref	Rev
23061-KMC-XX-CR15-DR-CH-0001	E

**kmc**  
transport planning





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**KEY PLAN**  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- TRAFFIC SURVEY LOCATION
- HIGHWAY BOUNDARY
- VISIBILITY SPLAY EXTENT
- EXISTING LAYOUT
- PROPOSED EDGE OF ACCESS
- EXISTING VEGETATION
- EXTENT OF VEGETATION REMOVAL
- EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH	: 2.55
TRAILER WIDTH	: 2.55
TRACTOR TRACK	: 2.55
TRAILER TRACK	: 2.55
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 40.0
ARTICULATING ANGLE	: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	11.03.2025	Preliminary issue	CS	LF	SM

REV	DATE	DESCRIPTION	DRN	CHKD	APRD

Issue Status

<input type="checkbox"/> CONCEPT	<input type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

Client  
GREEN HILL SOLAR FARM LTD

Project  
GREEN HILL SOLAR FARM

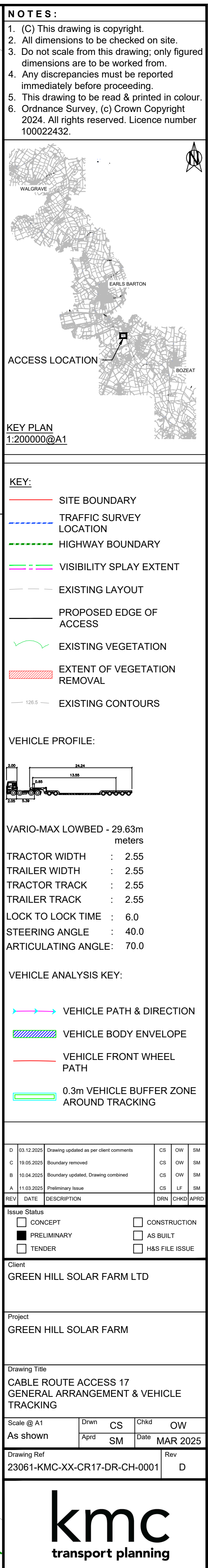
Drawing Title  
CABLE ROUTE ACCESS 16  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drawn	CS	Chkd	OW
As shown	Aprd	SM	Date	MAR 2025

Drawing Ref	Rev
23061-KMC-XX-CR16-DR-CH-0001	D

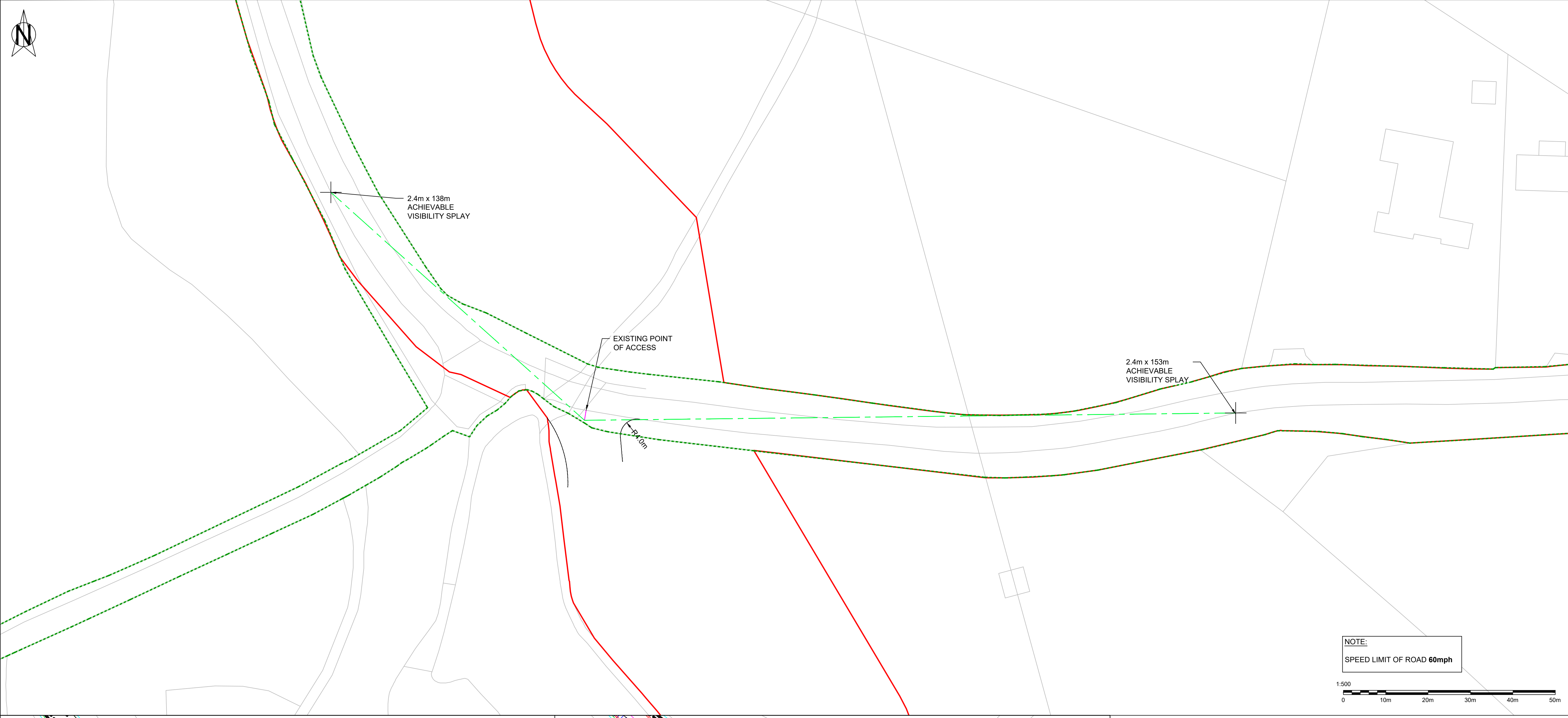
**kmc**  
transport planning





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3. Do not scale from this drawing; only figured dimensions are to be worked from.						
4. Any discrepancies must be reported immediately before proceeding.						
5. This drawing to be read & printed in colour.						
6. Ordnance Survey, (c) Crown Copyright 2024. All rights reserved. Licence number 100022432.						
<p>A map showing the project location. A red square marks the 'ACCESS LOCATION' on a road between 'EARL'S BARTON' and 'BOZEAT'. The map shows surrounding roads and fields. A north arrow is in the top right corner.</p>						
<b>KEY PLAN</b> 1:200000@A1						
<b>KEY:</b>						
SITE BOUNDARY						
TRAFFIC SURVEY LOCATION						
HIGHWAY BOUNDARY						
VISIBILITY SPLAY EXTENT						
EXISTING LAYOUT						
PROPOSED EDGE OF ACCESS						
EXISTING VEGETATION						
EXTENT OF VEGETATION REMOVAL						
120.5 ——— EXISTING CONTOURS						
<b>VEHICLE PROFILE:</b>						
VARIO-MAX LOWBED - 29.63m meters						
TRACTOR WIDTH : 2.55						
TRAILER WIDTH : 2.55						
TRACTOR TRACK : 2.55						
TRAILER TRACK : 2.55						
LOCK TO LOCK TIME : 6.0						
STEERING ANGLE : 40.0						
ARTICULATING ANGLE: 70.0						
<b>VEHICLE ANALYSIS KEY:</b>						
VEHICLE PATH & DIRECTION						
VEHICLE BODY ENVELOPE						
VEHICLE FRONT WHEEL PATH						
0.3m VEHICLE BUFFER ZONE AROUND TRACKING						
D	05.12.2025	Drawing updated as per client comments		CS	CW	SM
B	19.05.2025	Boundary removed		CS	CW	SM
C	10.04.2025	Boundary updated; Drawing combined		CS	CW	SM
A	11.03.2025	Preliminary Issue		CS	LF	SM
REV	DATE	DESCRIPTION	DRN	CHKD	APPRD	
Issue Status						
<input type="checkbox"/> CONCEPT			<input type="checkbox"/> CONSTRUCTION			
<input checked="" type="checkbox"/> PRELIMINARY			<input type="checkbox"/> AS BUILT			
<input type="checkbox"/> TENDER			<input type="checkbox"/> HAS FILE ISSUE			
Client						
GREEN HILL SOLAR FARM LTD						
Project						
GREEN HILL SOLAR FARM						
Drawing Title						
CABLE ROUTE ACCESS 17 GENERAL ARRANGEMENT & VEHICLE TRACKING						
Scale @ A1		Drawn	CS	Chkd	OW	
As shown		April	SM	Date	MAR 2025	
Drawing Ref					Rev	
23061-KMC-XX-CR17-DR-CH-0001					D	





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ACCESS LOCATION

KEY PLAN  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- - - TRAFFIC SURVEY LOCATION
- - - HIGHWAY BOUNDARY
- - - VISIBILITY SPLAY EXTENT
- - - EXISTING LAYOUT
- - - PROPOSED EDGE OF ACCESS
- - - EXISTING VEGETATION
- - - EXTENT OF VEGETATION REMOVAL
- - - EXISTING CONTOURS

**VEHICLE PROFILE:**

VARIO-MAX LOWBED - 29.63m meters

TRACTOR WIDTH	: 2.55
TRAILER WIDTH	: 2.55
TRACTOR TRACK	: 2.55
TRAILER TRACK	: 2.55
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 40.0
ARTICULATING ANGLE	: 70.0

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- ▨ VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- ▨ 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

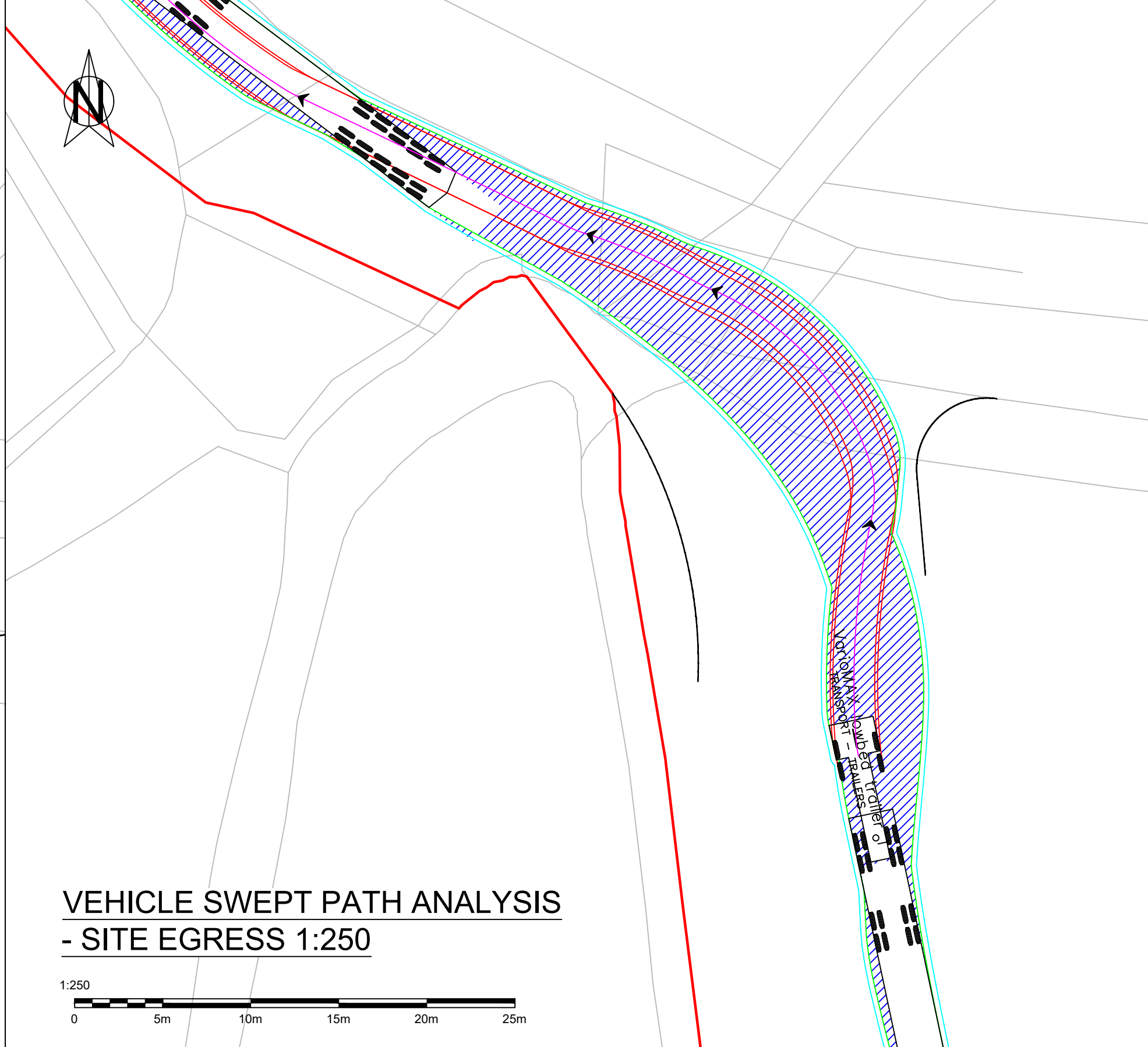
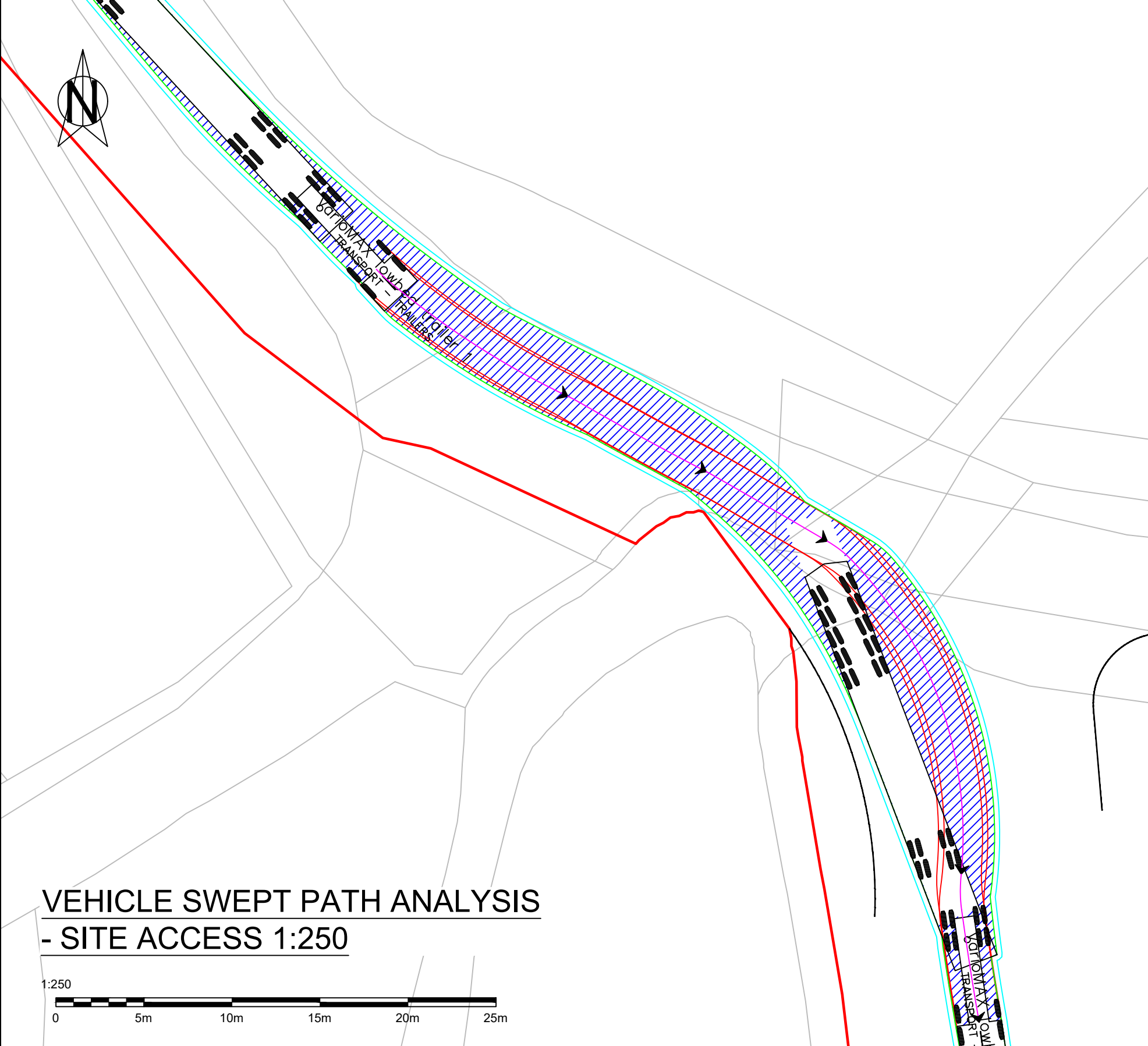
D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	11.03.2025	Preliminary issue	CS	LF	SM
REV	DATE	DESCRIPTION	DRN	CHKD	APRD
Issue Status					
<input type="checkbox"/>	CONCEPT		<input type="checkbox"/>	CONSTRUCTION	
<input checked="" type="checkbox"/>	PRELIMINARY		<input type="checkbox"/>	AS BUILT	
<input type="checkbox"/>	TENDER		<input type="checkbox"/>	HAS FILE ISSUE	

Client  
GREEN HILL SOLAR FARM LTD

Project  
GREEN HILL SOLAR FARM

Drawing Title  
CABLE ROUTE ACCESS 18  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drawn	CS	Chkd	OW
As shown	Aprd	SM	Date	MAR 2025
Drawing Ref	23061-KMC-XX-CR18-DR-CH-0001			Rev
				D







2.4m x 215m  
VISIBILITY SPLAY  
(OBSERVED SPEED  
60 mph/97 kph)

DRAWING CONTINUED TO THE LEFT

2.4m x 53m  
ACHIEVABLE  
VISIBILITY SPLAY

2.4m x 203m  
ACHIEVABLE  
VISIBILITY SPLAY

2.4m x 215m  
VISIBILITY SPLAY  
(OBSERVED SPEED  
60 mph/97 kph)

2.4m x 43m  
ACHIEVABLE  
VISIBILITY SPLAY

EXISTING POINT OF ACCESS

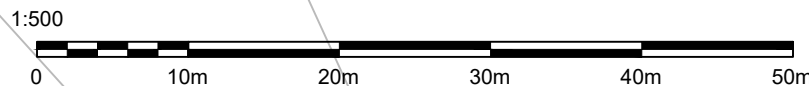
YARLEY ROAD

R4.0m  
R4.0m

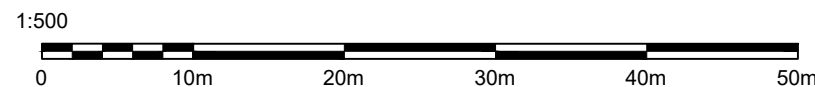
DRAWING CONTINUED TO THE RIGHT

2.4m x 53m  
ACHIEVABLE  
VISIBILITY SPLAY

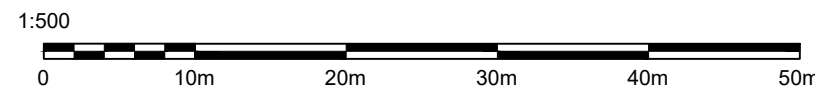
NOTE:  
SPEED LIMIT OF ROAD 60mph



VEHICLE SWEEP PATH ANALYSIS  
- SITE SOUTH 1:500



VEHICLE SWEEP PATH ANALYSIS  
- SITE NORTH 1:500



#### NOTES:

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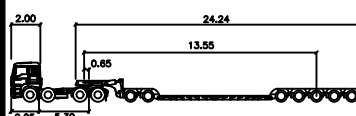


KEY PLAN  
1:200000@A1

#### KEY:

- SITE BOUNDARY
- - - TRAFFIC SURVEY LOCATION
- - - HIGHWAY BOUNDARY
- - - VISIBILITY SPLAY EXTENT
- - - EXISTING LAYOUT
- - - PROPOSED EDGE OF ACCESS
- - - EXISTING VEGETATION
- - - EXTENT OF VEGETATION REMOVAL
- - - EXISTING CONTOURS

#### VEHICLE PROFILE:



VARIO-MAX LOWBED - 29.63m  
meters

TRACTOR WIDTH : 2.55  
TRAILER WIDTH : 2.55  
TRACTOR TRACK : 2.55  
TRAILER TRACK : 2.55  
LOCK TO LOCK TIME : 6.0  
STEERING ANGLE : 40.0  
ARTICULATING ANGLE: 70.0

#### VEHICLE ANALYSIS KEY:

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Boundary removed	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing combined	CS	OW	SM
A	10.04.2025	Preliminary issue	CS	OW	SM
REV	DATE	DESCRIPTION	DRN	CHKD	APRD

<input type="checkbox"/> CONCEPT	<input type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

Client:  
GREEN HILL SOLAR FARM LTD

Project:  
GREEN HILL SOLAR FARM

Drawing Title:  
CABLE ROUTE ACCESS 19 & 20  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1  
As shown

Drawn  
Aprd

CS  
SM

Chkd  
Date

OW  
APR 2025

Drawing Ref:  
23061-KMC-XX-CR19-20-DR-CH-0001

Rev

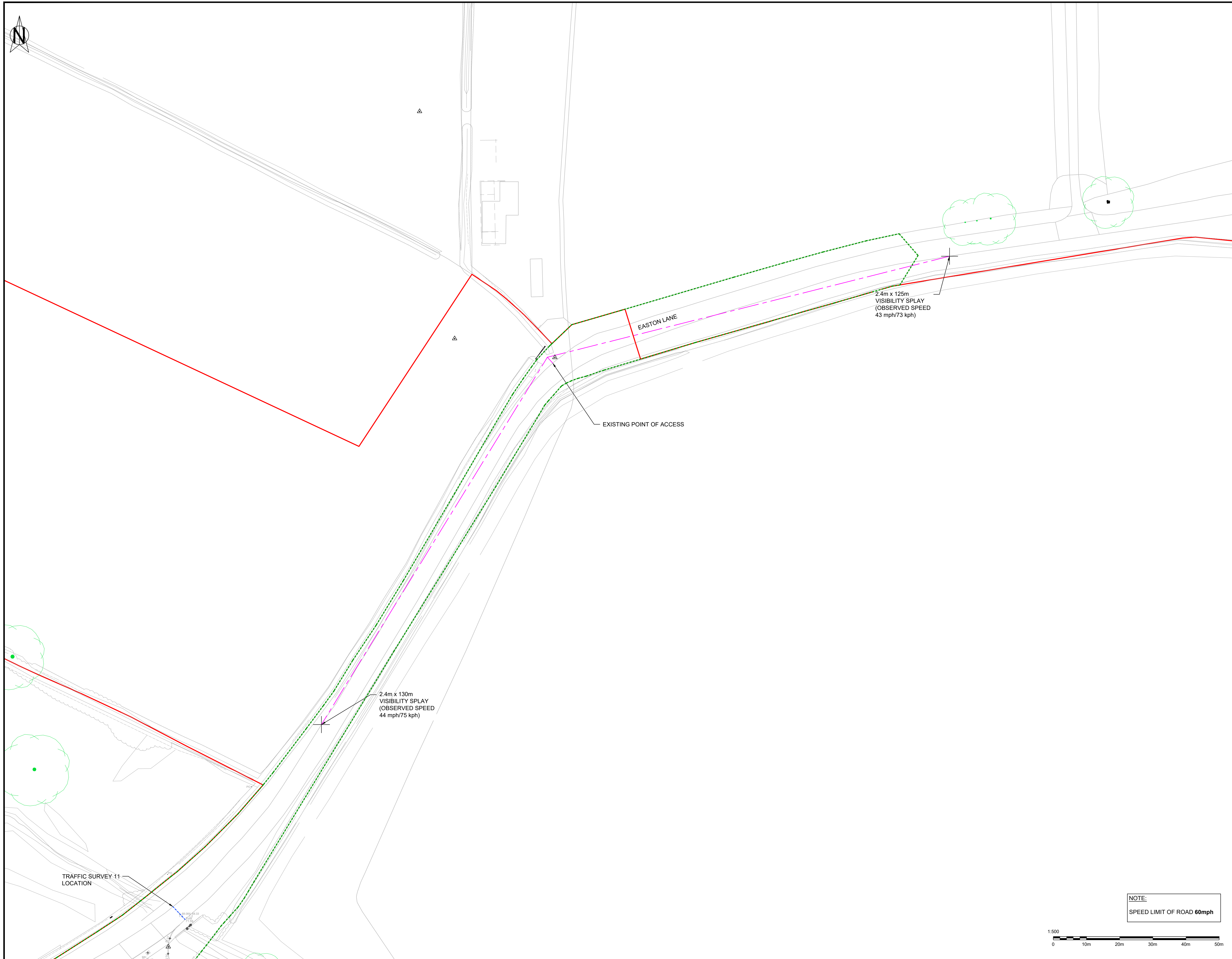
D

kmc  
transport planning









- NOTES:**
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  2. All dimensions to be checked on site.
  3. Do not scale from this drawing; only figured dimensions are to be worked from.
  4. Any discrepancies must be reported immediately before proceeding.
  5. This drawing to be read & printed in colour
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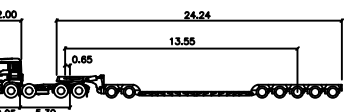


KEY PLAN  
:200000@A1

## KEY

- 
- SITE BOUNDARY  
 TRAFFIC SURVEY LOCATION  
 HIGHWAY BOUNDARY  
 VISIBILITY SPLAY EXTENT  
 EXISTING LAYOUT  
 PROPOSED EDGE OF ACCESS  
 EXISTING VEGETATION  
 EXTENT OF VEGETATION REMOVAL  
 120.5' EXISTING CONTOURS

## VEHICLE PROFILE:



VARIO-MAX LOWBED - 29.63m  
meters

TRACTOR WIDTH	:	2.55
TRAILER WIDTH	:	2.55
TRACTOR TRACK	:	2.55
TRAILER TRACK	:	2.55
LOCK TO LOCK TIME	:	6.0
STEERING ANGLE	:	40.0
ARTICULATING ANGLE:		70.0

## VEHICLE ANALYSIS KEY:

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

C	03.12.2025	Drawing updated as per client comments	CS	OW	SM
B	19.05.2025	Boundary removed	CS	OW	SM
A	10.04.2025	Preliminary Issue	CS	OW	SM
EV	DATE	DESCRIPTION	DRN	CHKD	APR

## Issue Status

- ☐ CONCEPT      ☐ CONSTRUCTION  
☒ PRELIMINARY      ☐ AS BUILT  
☐ TENDER      ☐ H&S FILE ISSUE

Client

GREEN HILL SOLAR FARM LTD

Project

GREEN HILL SOLAR FARM

## Drawing Title

## CABLE ROUTE ACCESS 23 GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drwn CS	Chkd OW
As shown	Aprd SM	Date APR 2025

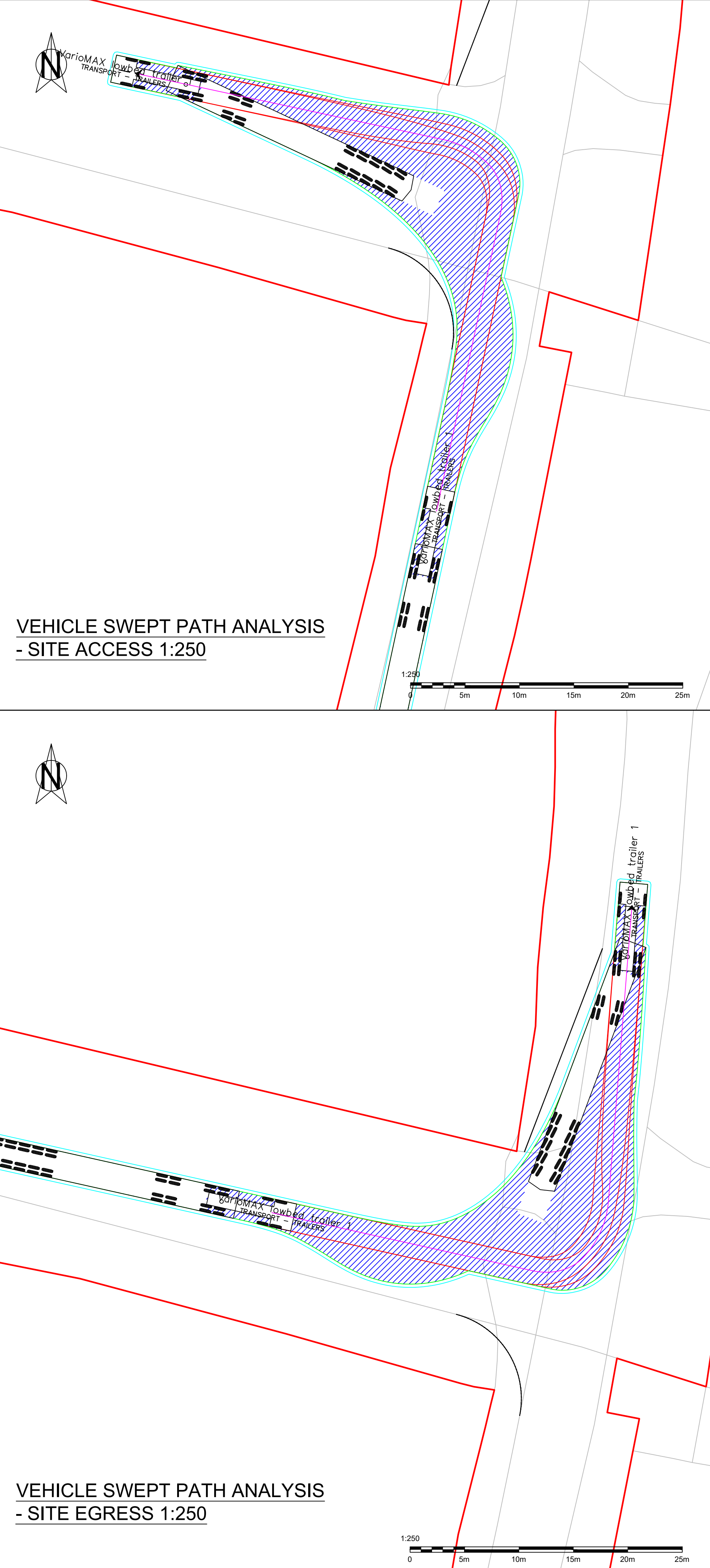
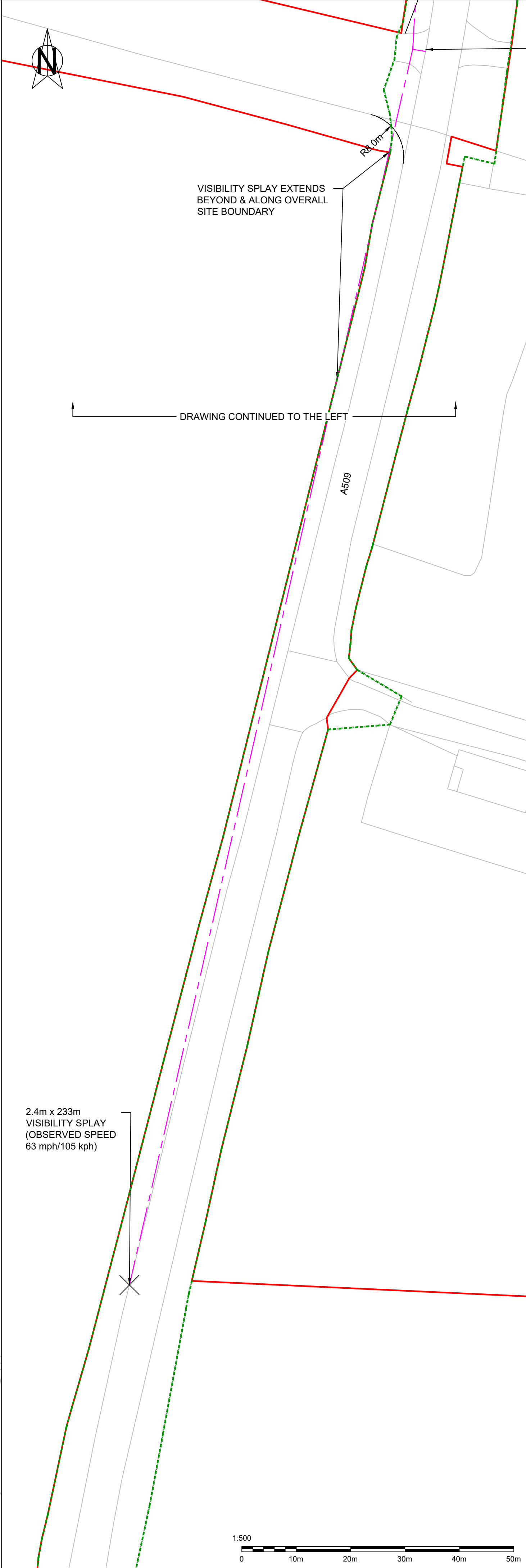
Drawing Ref	Rev
23061-KMC-XX-CR23-DR-CH-0001	C

**NOTE:**  
**SPEED LIMIT OF ROAD 60mph**



**kmc**  
transport planning





**NOTES :**

1. (C) This drawing is copyright.
2. All dimensions to be checked on site.
3. Do not scale from this drawing; only figured dimensions are to be worked from.
4. Any discrepancies must be reported immediately before proceeding.
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**KEY PLAN**  
1:200000@A1

**KEY:**

- SITE BOUNDARY
- TRAFFIC SURVEY LOCATION
- HIGHWAY BOUNDARY
- VISIBILITY SPLAY EXTENT
- EXISTING LAYOUT
- PROPOSED EDGE OF ACCESS
- EXISTING VEGETATION
- EXTENT OF VEGETATION REMOVAL
- EXISTING CONTOURS

**VEHICLE PROFILE:**

**VEHICLE ANALYSIS KEY:**

- VEHICLE PATH & DIRECTION
- VEHICLE BODY ENVELOPE
- VEHICLE FRONT WHEEL PATH
- 0.3m VEHICLE BUFFER ZONE AROUND TRACKING

D	03.12.2025	Drawing updated as per client comments	CS	OW	SM
C	19.05.2025	Visibility splay updated	CS	OW	SM
B	10.04.2025	Boundary updated, Drawing continued	CS	OW	SM
A	11.03.2025	Preliminary issue	CS	LF	SM

REV	DATE	DESCRIPTION	DRN	CHKD	APRD

Issue Status

<input type="checkbox"/> CONCEPT	<input type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> AS BUILT
<input type="checkbox"/> TENDER	<input type="checkbox"/> HAS FILE ISSUE

Client:  
GREEN HILL SOLAR FARM LTD

Project:  
GREEN HILL SOLAR FARM

Drawing Title:  
CABLE ROUTE ACCESS 24  
GENERAL ARRANGEMENT & VEHICLE TRACKING

Scale @ A1	Drawn	CS	Chkd	OW
As shown	Aprd	SM	Date	MAR 2025

Drawing Ref	Rev
23061-KMC-XX-CR24-DR-CH-0001	D

**kmc**  
transport planning



## **Appendix D      Abnormal Load Report**



---

## Abnormal Indivisible Load Access to Green Hill Solar Project Substations – High Level Summary Document

---

Prepared for Island Green Power (IGP)







## IGP I 23-1218 Green Hill Solar I AIL Access Summary I 17.04.25

NAME	SIGNATURE	DATE
Prepared by:		17.04.25
Checked by:		17.04.25
Approved by:		17.04.25

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## DOCUMENT REVISIONS

Issue	Date	Details
<input type="checkbox"/>	17.04.25	First Issue
<input type="checkbox"/>		
<input type="checkbox"/>		



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## 1. Introduction

- 1.1. This document includes high level summary reports in respect to Abnormal Indivisible Loads (AIL) access to the proposed substations that are expected to be required for the Green Hill Solar Project.
- 1.2. This will require deliveries of transformer units to the following sites.
  - Green Hill A (Old) – 95Te Transformer
  - Green Hill B (Holcot) – 65Te Transformer
  - Green Hill C (Sywell) – 155Te and 183Te Transformers
  - Green Hill E (Mears Ashby) – 95Te Transformer
  - Green Hill F (Bozeat) – 95Te Transformer
  - Green Hill G (Warrington) – 95Te Transformer
  - Grendon BESS (Grendon) – 155Te and 183Te Transformers
- 1.3. The report considers access to the proposed onshore substation in terms of AIL transportation of the main transformers and cable drums. Wider traffic and transport for Construction and Use vehicles is not within the scope of this document which details the issues on access for heavy transformers and cable drums only.
- 1.4. The report highlights preferred AIL access routes for transformer AILs via the public road network as far as is possible to date and highlights where additional remedial works will be necessary.
- 1.5. The report includes reference to the responses of highway and structural authorities where applicable including Northamptonshire, Milton Keynes City Council, National Highways Area 7 and National Highways East Region. The high level summary is intended to inform planning documentation. A more detailed report discussing the various issues raised and routes rejected will be issued to Island Green Power (IGP) under separate cover. This will include more information on legislative requirements, route negotiability and the structural status of the routes.

## 2. Transport Drawings

- 2.1. The anticipated transport dimensions of the transformers for each of the substation location are shown below in Table 1 as is the indicative AIL transport arrangement that has been used for initial consultation with highway authorities that are reproduced on the following pages. These are based on standard AIL transport configuration that are generally used for transformers of the dimensions stated.
- 2.2. Drawings of indicative cable drum trailer arrangements are also included within this report.



**Table 1 Transformer Transport Dimensions and Trailer Arrangements**

<b>Site</b>	<b>Length (mm)</b>	<b>Width (mm)</b>	<b>Height (mm)</b>	<b>Weight (kgs)</b>	<b>Transport Arrangements</b>
A	7600	2700	4500	95,000kgs	5 bed 5 trailer as shown in drawing number 23-1218.TC03
B	7000	2600	4000	65,000kgs	5 bed 5 trailer as shown in drawing number 23-1218.TC03
C	10000	4000	4900	183,000kgs	16 axle girder frame as shown in drawing number 23-1218.TC02 and 20 axle girder frame as shown in drawing number 23-1218.TC01
E	7600	2700	4500	95,000kgs	5 bed 5 trailer as shown in drawing number 23-1218.TC03
F	7600	2700	4500	95,000kgs	5 bed 5 trailer as shown in drawing number 23-1218.TC03
G	7600	2700	4500	95,000kgs	5 bed 5 trailer as shown in drawing number 23-1218.TC03
Grendon BESS	10000	4000	4900	183,000kgs	16 axle girder frame as shown in drawing number 23-1218.TC02 and 20 axle girder frame as shown in drawing number 23-1218.TC01
Cable Drum Sites	3800	4500	4500	30,000kgs	4 axle modular reeling trailer as shown in drawing number 23-1218.TC04 and 4axle spooling trailer as shown in drawing number 23-1218.TC03

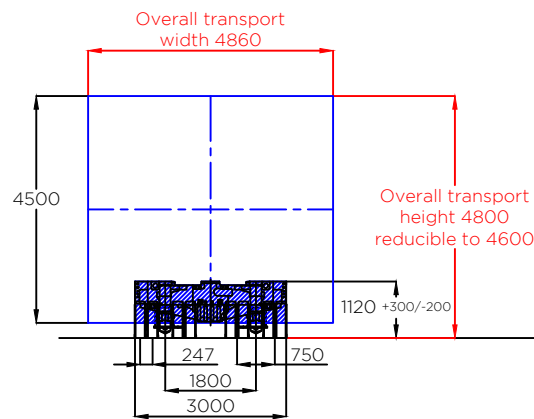




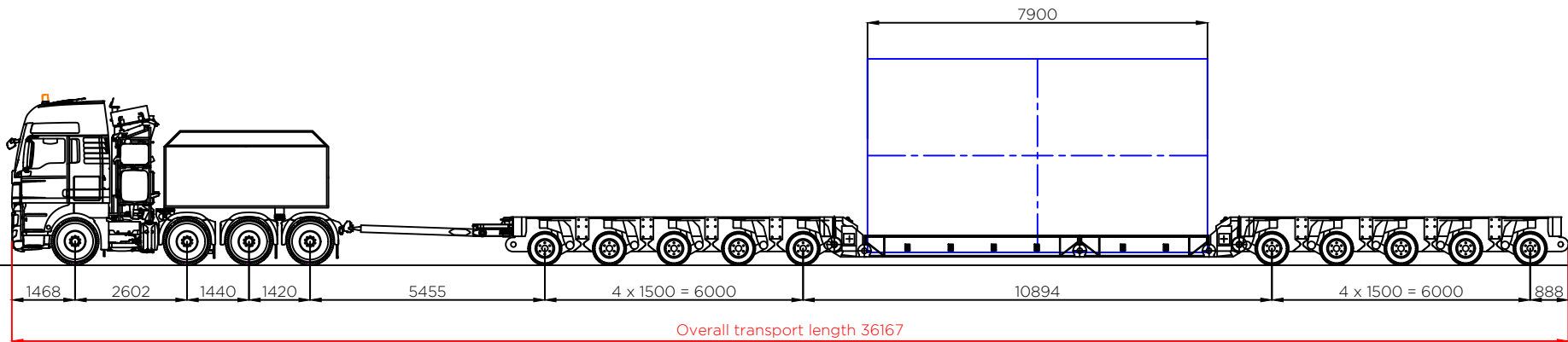
## Attachment 1

### Transport Arrangements

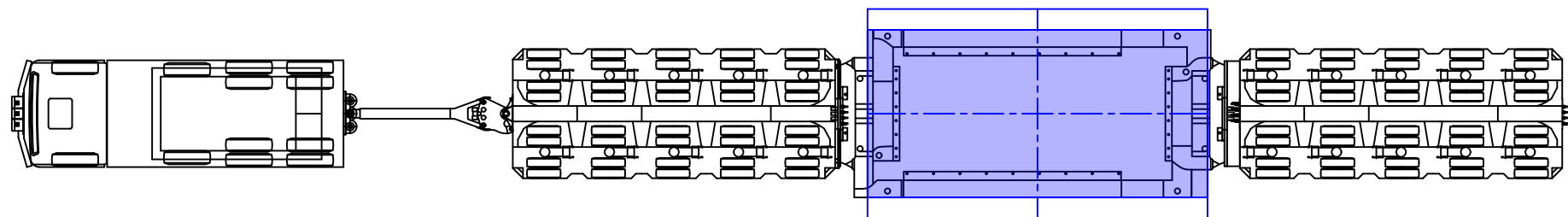




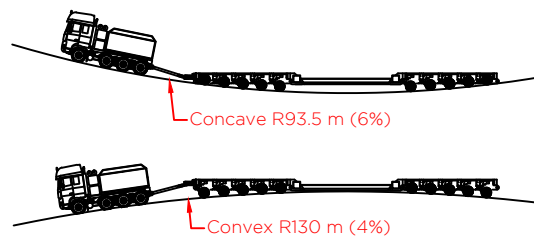
Profile view  
Scale 1:150



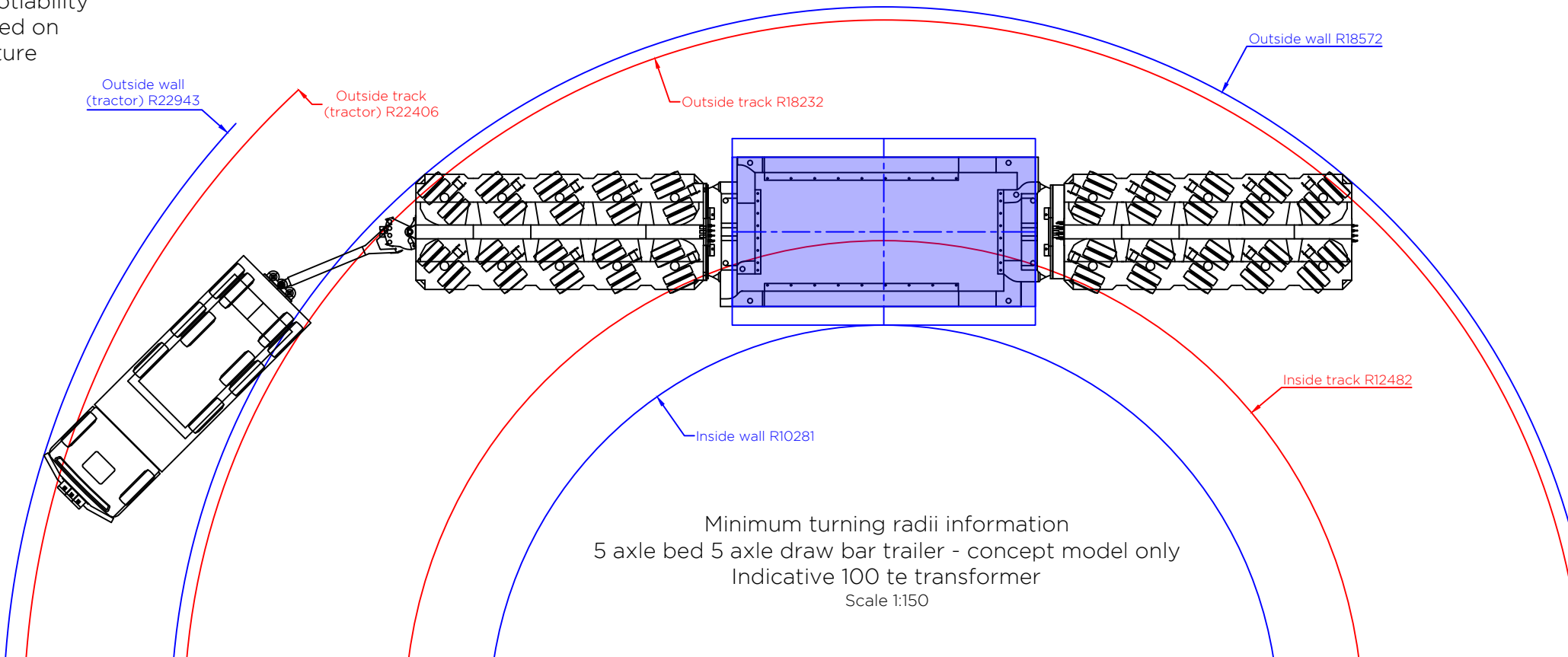
Elevation view - 5 axle bed 5 axle draw bar trailer - concept model only  
Indicative 100 te transformer  
Scale 1:150



Plan view - 5 axle bed 5 axle draw bar trailer - concept model only  
Indicative 100 te transformer  
Scale 1:150



Vertical curve negotiability  
information based on  
hauliers literature  
Scale 1:600

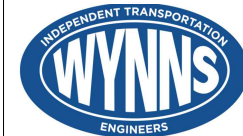


Minimum turning radii information  
5 axle bed 5 axle draw bar trailer - concept model only  
Indicative 100 te transformer  
Scale 1:150

Load table	
5 axle bed 5 axle draw bar trailer	
Self weight of transformer	100.0 te
Self weight of trailer	Say 46.0 te
Self weight of aux. steelwork (for L&S)	0.0 te
Total combined weight	146.0 te
Load per axle line	14.6 te
Load per axle	7.3 te
Load per wheel (4 per axle)	1.83 te
Overall ground bearing pressure	4.06 te/m <sup>2</sup>
Tractor (40 te)	
Front axle	7.0 te
Second steer	7.0 te
Rear axle	13.0 te
Rear axle	13.0 te

- Notes:
- [1] The figures shown above are representative of the transport configuration portrayed. However as tractor and trailer arrangements vary then the loads and dimensions indicated should be treated as probable values.
- [2] Actual dimensions, including axle spacing and mean running height, may vary slightly depending on manufacturer of trailer deployed.
- [3] All linear measures in millimetres unless stated otherwise.
- [4] Indicative transformer shown only.
- [5] Running height dependent upon tank base and transport lug arrangement.

1		
0	14.03.23	Issued for comment
Rev.	Date	Amendments

Revisions	
Prepared by:	
	Shaftesbury House, 2 High Street, Eccleshall, Stafford, ST21 6BZ Tel: (01785) 850411
Independent Transportation Engineers	

Client:	
---------	---

Project:	<b>Solar Farm Northampton (Grendon)</b>
----------	---

Title:	<b>Indicative transport configuration</b> Indicative 100.0 te transformer carried on 5 axle bed 5 axle draw bar trailer showing minimum turning radii
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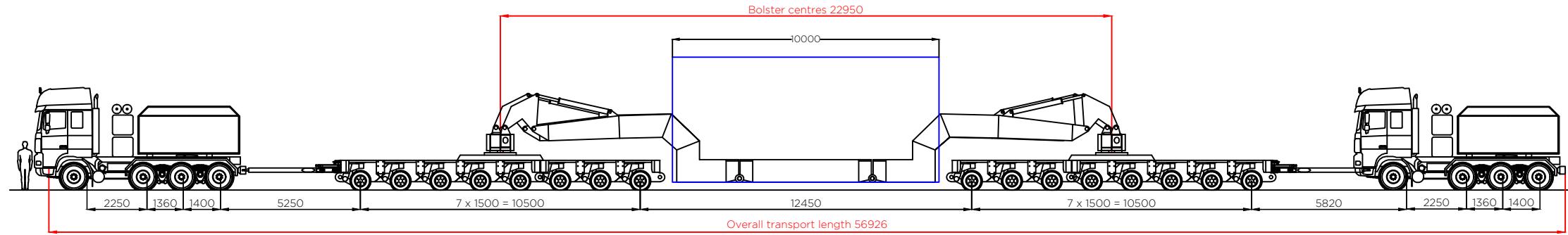
Drawing status:	Final report
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As shown	MTO	---
Dwg. no:	Sheet:	Rev:
23-1218.TC03	1 of 1	0

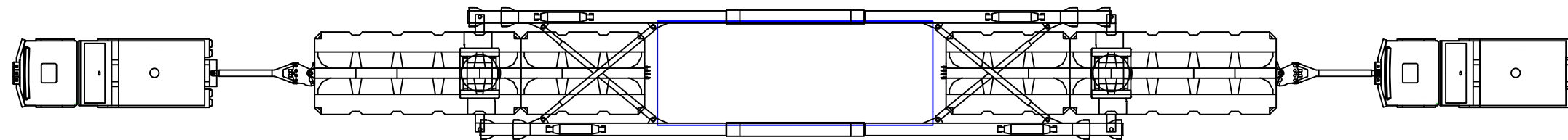
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P:\Clients\Existing Clients\Island Green Power\23-1218 Solar Farm in Northamptonshire (Grendon)\Transport Configurations\23-1218.TC03 Solar Farm Northampton (Grendon) 100 te transformer 5 bed 5 R0.dwg

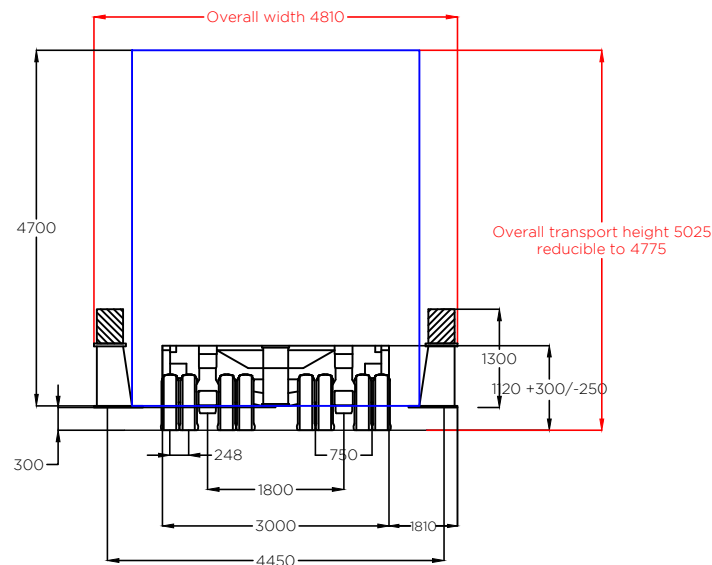




Side Elevation - 16 axle girder frame trailer - concept model only  
Indicative 183 te transformer  
Scale 1:200

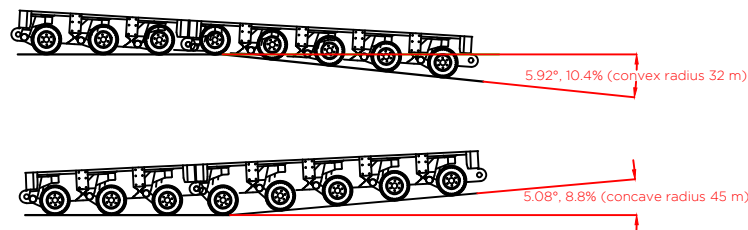


Plan View - 16 axle girder frame trailer - concept model only  
Indicative 183 te transformer  
Scale 1:200

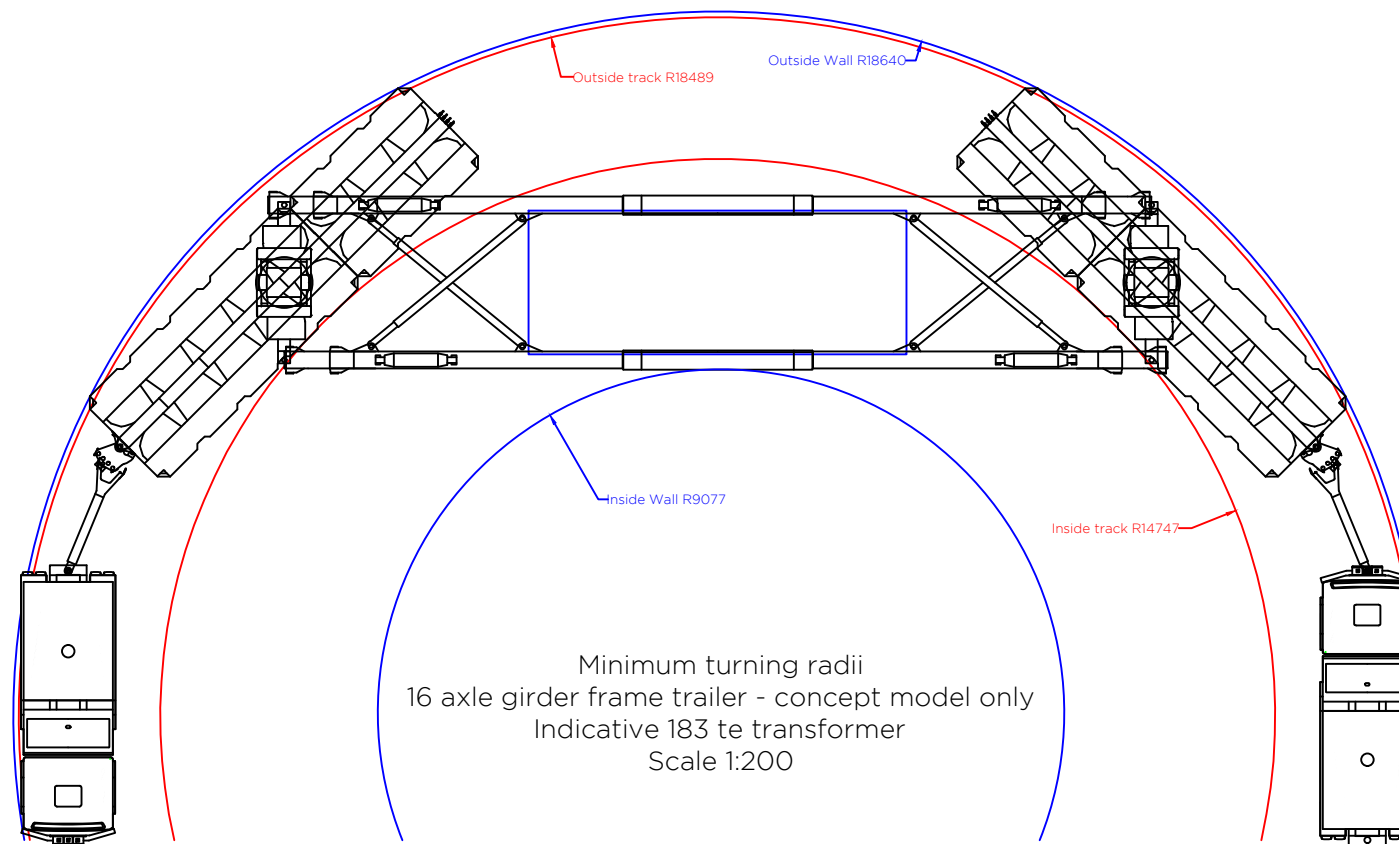


Profile view  
Indicative 183 te transformer  
Scale 1:100

NOTE: Final Design/Transport Arrangement to be Determined.  
Detail is Illustrative Only.



Vertical curve negotiability information  
based on manufacturers literature  
(Scale 1:200)



#### Load Table

##### 16 axle girder frame trailer

Self weight of load	183.0 te
Self weight of trailer	86.8 te
Self weight of aux. steelwork (for L&S)	0.0 te
Total combined weight	269.6 te
Load per trailer	134.8 te
Load per axle line (2 axles per line)	16.85 te
Load per wheel (4 wheels per axle)	2.11 te
Overall ground bearing pressure	4.28 te/m <sup>2</sup>

##### Tractors x2 (42 te)

Front axle	8.0 te
Second steer	10.0 te
Rear axle	12.0 te
Rear axle	12.0 te

#### Notes:-

[1] The figures shown above are representative of the transport configuration portrayed. However as tractor and trailer arrangements vary then the loads and dimensions indicated should be treated as probable values.

[2] Actual dimensions, including axle spacing and mean running height, may vary slightly depending on manufacturer of trailer deployed.

[3] All linear measures in millimeters unless stated otherwise.

[4] Transformer drawing indicative only.

1		
0	03.12.24	Issued for comment
Rev.	Date	Amendments

#### Revisions

Prepared By:



Shaftesbury House, 2 High Street,  
Eccleshall, Stafford, ST21 6BZ  
Tel: (01785) 850411

Independent Transportation Engineers

Client:



Project:

Solar Farm Northamptonshire (Grendon)

Title:

Indicative Transport Configuration  
183 te transformer carried within  
16 axle girder frame trailer  
showing minimum turning radii

Drawing Status:

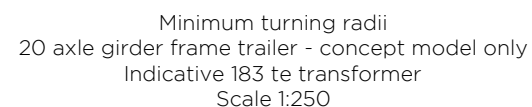
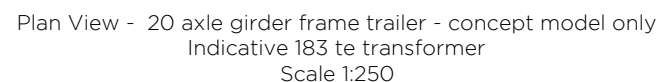
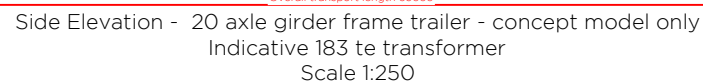
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Notes:-  
[1] The figures shown above are representative of the transport configuration portrayed. However as tractor and trailer arrangements vary then the loads and dimensions indicated should be treated as probable values.

[2] Actual dimensions, including axle spacing and mean running height, may vary slightly depending on manufacturer of trailer deployed.

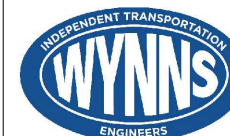
[3] All linear measures in millimeters unless stated otherwise.

[4] Transformer drawing indicative only.

1		
0	03.12.24	Issued for comment
Rev.	Date	Amendments

## Revisions

Prepared by:



Independent Transportation Engineers

Client:



Project:

Solar Farm Northamptonshire (Grendon)

Title:

Indicative Transport Configuration  
183 te transformer carried within  
20 axle girder frame trailer  
showing minimum turning radii

Drawing status:

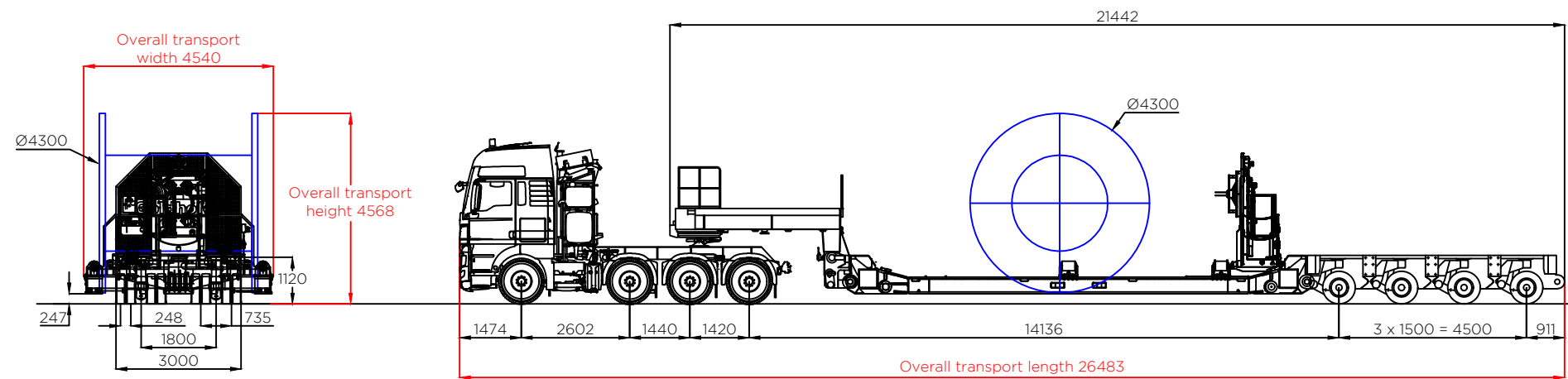
Final Report

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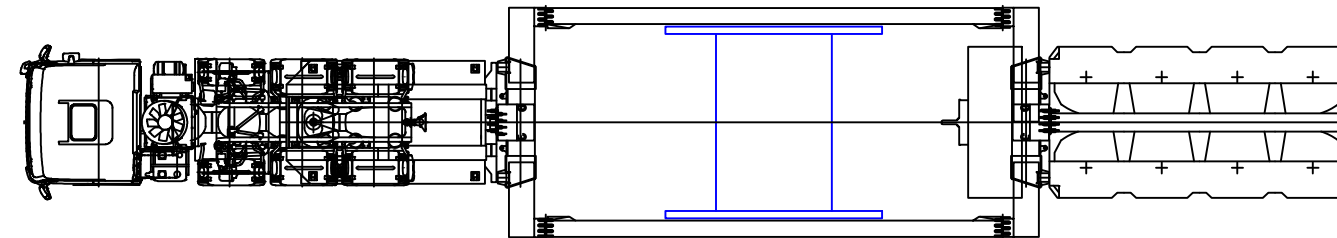
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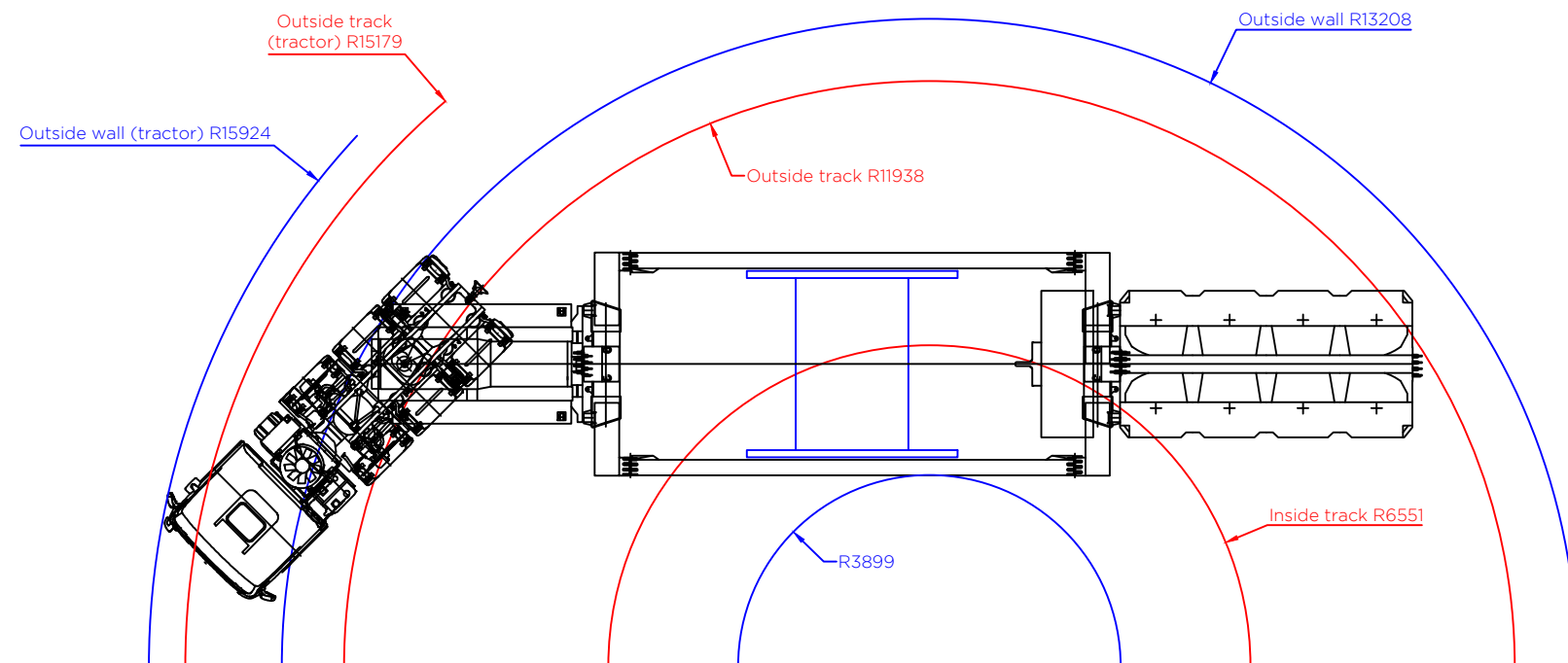


Profile view

Elevation view - 4 axle modular reeling trailer - concept model only  
Indicative 30 te cable drum  
Scale 1:150



Plan view - 4 axle modular reeling trailer - concept model only  
Indicative 30 te cable drum  
Scale 1:150



Minimum turning radii information  
4 axle modular reeling trailer - concept model only  
Indicative 30 te cable drum  
Scale 1:150

#### Load table

##### 4 axle modular reeling trailer

Self weight of cable drum	30.0 te
Self weight of trailer	33.3 te
Self weight of tractor	15.0 te
Total combined weight	78.3 te
Load per axle line (trailer)	10.55 te
Load per axle	5.28 te
Load per wheel (4 per axle)	1.32 te
Overall ground bearing pressure	3.13 te/m <sup>2</sup>

##### Tractor (15 te)

Front axle	7.0 te
Second steer	8.0 te
Rear axle	10.55 te
Rear axle	10.55 te

#### Notes:

[1] The figures shown above are representative of the transport configuration portrayed. However as tractor and trailer arrangements vary then the loads and dimensions indicated should be treated as probable values.

[2] Actual dimensions, including axle spacing and mean running height, may vary slightly depending on manufacturer of trailer deployed.

[3] All linear measures in millimetres unless stated otherwise.

1		
0	14.04.25	Issued for comment
Rev.	Date	Amendments

#### Revisions

Prepared by:



Shaftesbury House, 2 High Street,  
Eccleshall, Stafford, ST21 6BZ  
Tel: (01785) 850411

Independent Transportation Engineers

Client:



Project:

**Solar Farm Northampton (Grendon)**

Title:

**Indicative transport configuration**  
Indicative 30.0 te cable drum carried on  
4 axle modular reeling trailer  
showing minimum turning radii

Drawing status:

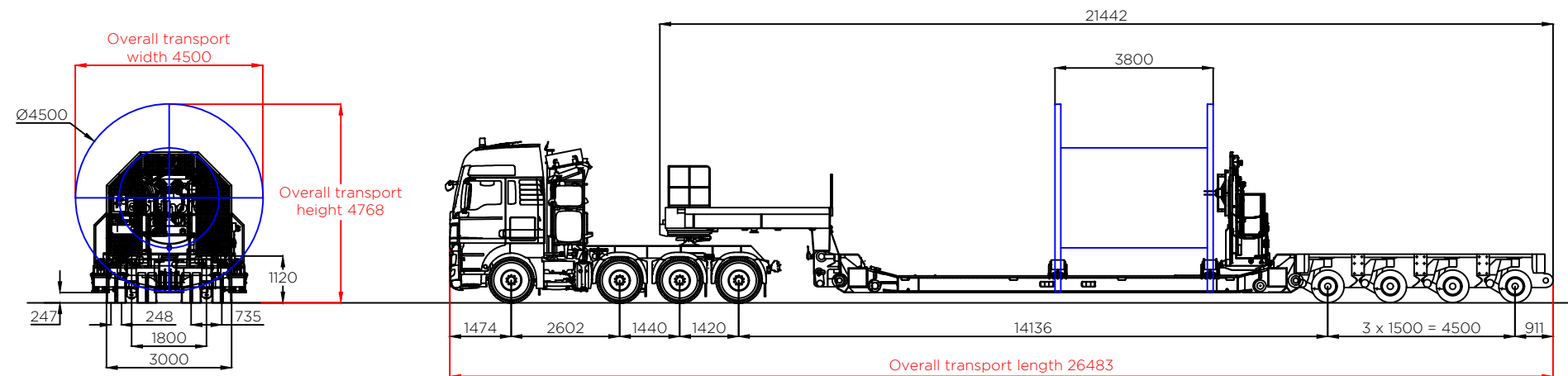
Final report

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Dwg. no:	Sheet:	Rev:
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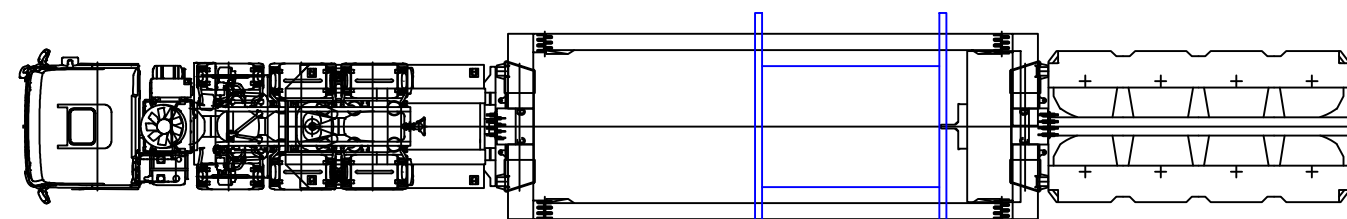
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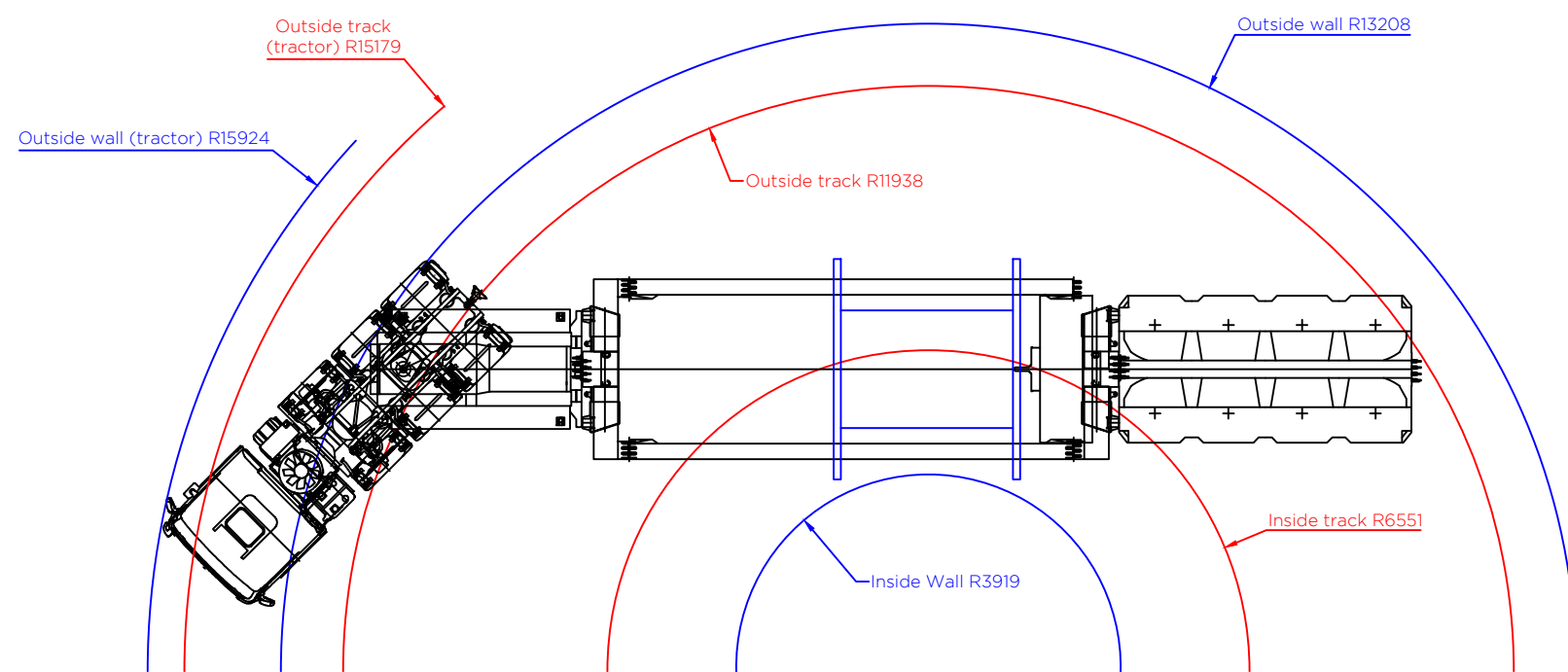


Profile view

Elevation view - 4 axle modular spooling trailer - concept model only  
Indicative 30 te cable drum Scale 1:150



Plan view - 4 axle modular spooling trailer - concept model only  
Indicative 30 te cable drum  
Scale 1:150



Minimum turning radii information  
4 axle modular spooling trailer - concept model only  
Indicative 30 te cable drum  
Scale 1:150

#### Load table

##### 4 axle modular spooling trailer

Self weight of cable drum	30.0 te
Self weight of trailer	33.3 te
Self weight of tractor	15.0 te
Total combined weight	78.3 te
Load per axle line (trailer)	10.55 te
Load per axle	5.28 te
Load per wheel (4 per axle)	1.32 te
Overall ground bearing pressure	3.13 te/m <sup>2</sup>

##### Tractor (15 te)

Front axle	7.0 te
Second steer	8.0 te
Rear axle	10.55 te
Rear axle	10.55 te

#### Notes:

[1] The figures shown above are representative of the transport configuration portrayed. However as tractor and trailer arrangements vary then the loads and dimensions indicated should be treated as probable values.

[2] Actual dimensions, including axle spacing and mean running height, may vary slightly depending on manufacturer of trailer deployed.

[3] All linear measures in millimetres unless stated otherwise.

1		
0	14.04.25	Issued for comment
Rev.	Date	Amendments

#### Revisions

Prepared by:



Shaftesbury House, 2 High Street,  
Eccleshall, Stafford, ST21 6BZ  
Tel: (01785) 850411

Independent Transportation Engineers

Client:



Project:

**Solar Farm Northampton (Grendon)**

Title:

**Indicative transport configuration**  
Indicative 30.0 te cable drum carried on  
4 axle modular spooling trailer  
showing minimum turning radii

Drawing status:

Final report

Scale (A3):	Drawn By:	Checked By:
As shown	MTO	ARP
Dwg. no:	Sheet:	Rev:
23-1218.TC04	1 of 1	0

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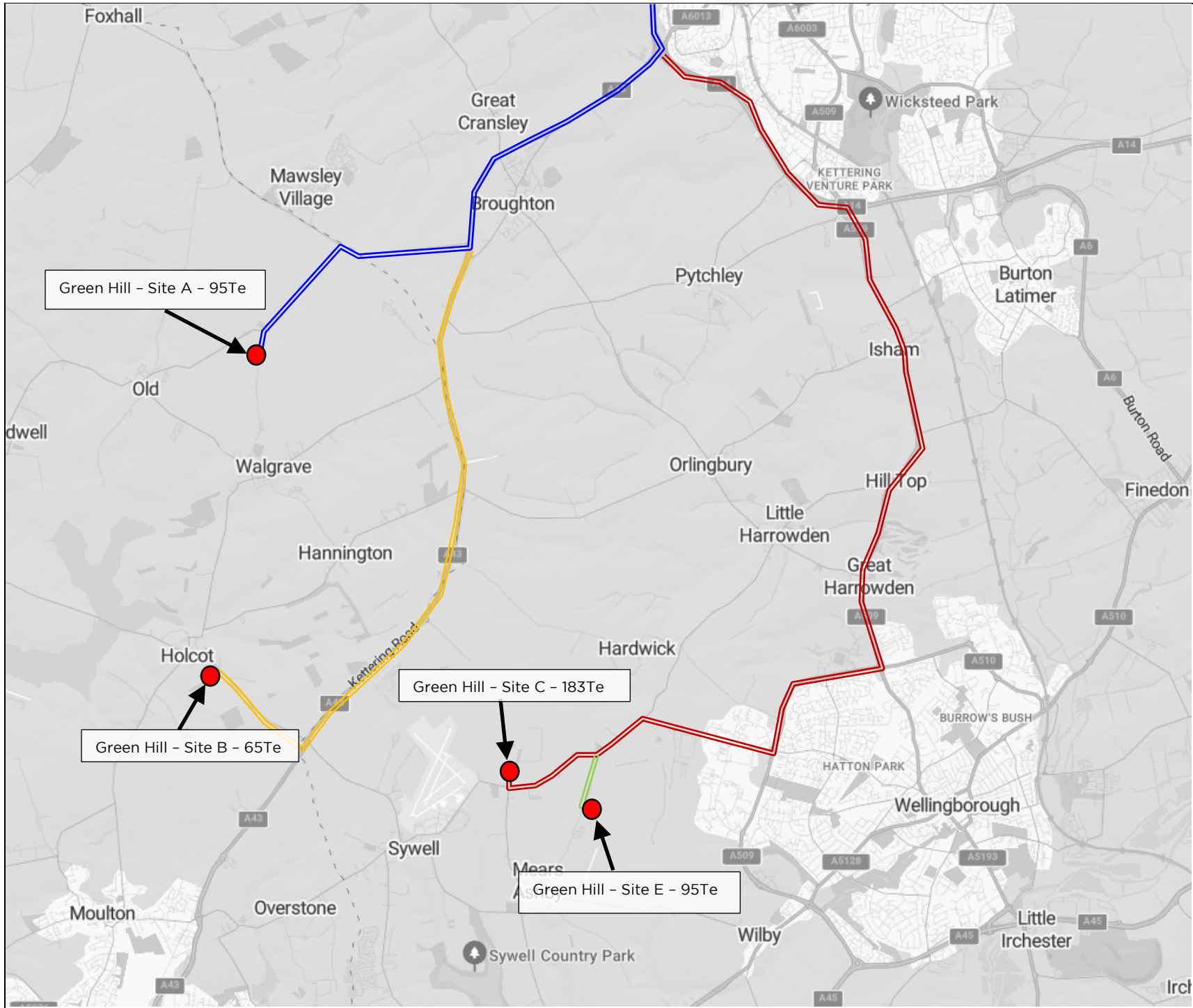











## Attachment 2

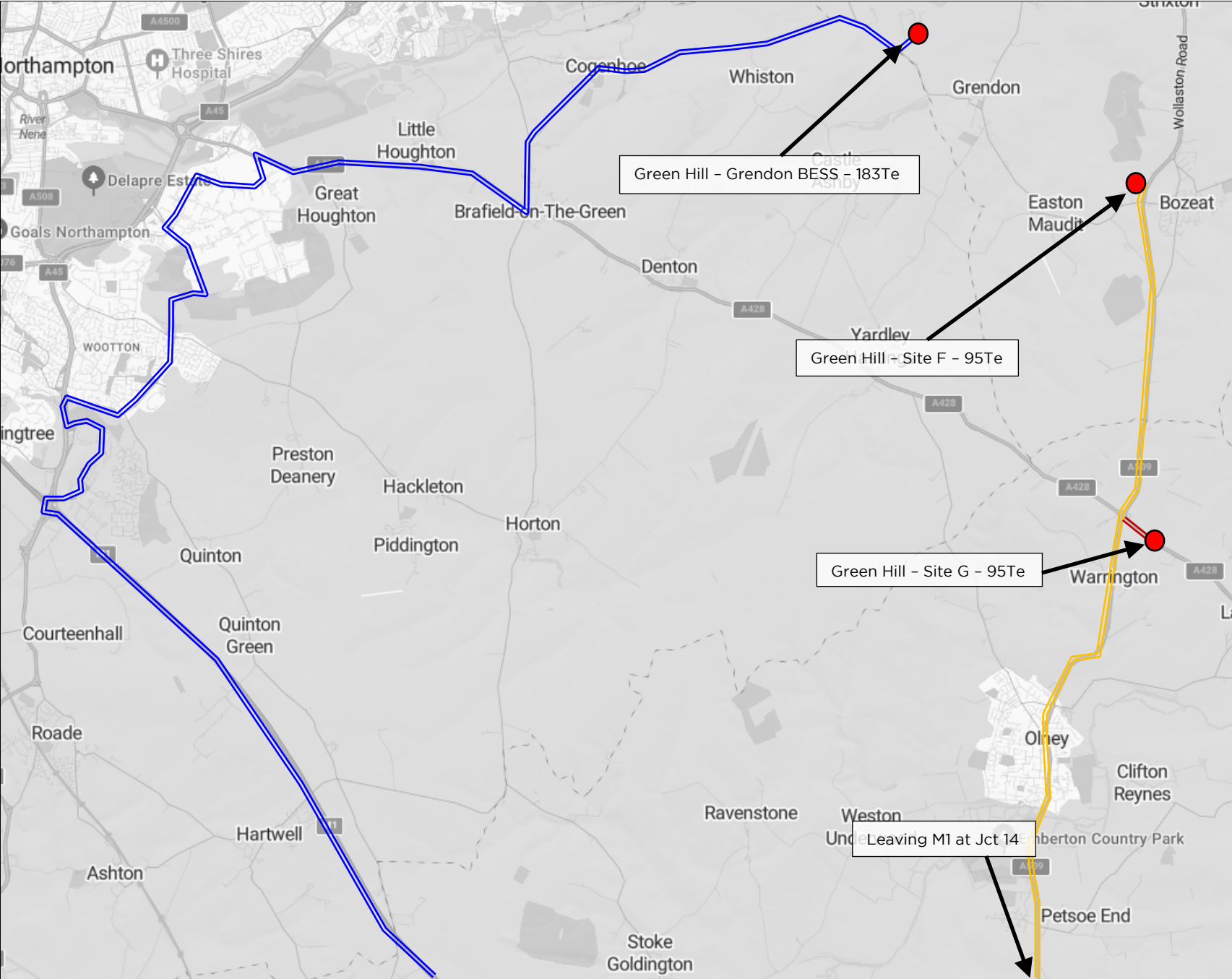
### Overview Map









Key		
	Route 1 to Green Hill - Site A	
	Route 2 to Green Hill - Site B	
	Route 3 to Green Hill - Site C	
	Route 4 to Green Hill - Site E	
	Sites for delivery of Transformers	
B		
A		
O	17.04.2025	First Issue
Rev	Date	Amendments:
Revisions		
<div><div>Wynns Ltd. Independent Transportation Engineers</div><div>Shaftesbury House, 2 High Street, Eccleshall, Stafford, ST21 6BZ. Tel: (01785) 850411</div></div>		
Client:		
<div></div>		
Project:		
Green Hill Solar		
Title:		
Map 1 - Routes to site locations - North of Wellingborough		
Drawing Status:		
Final Report		
Scale (A4): NTS	Drawn by: SMB	Checked by: ARP
Ref No.: 23-1218-Map1	Sheet: 1 of 2	Rev.: 0
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Key		
	Route 5 to Green Hill - BESS site	
	Route 6 to Green Hill - Site F	
	Route 7 to Green Hill - Site G	
	Sites for delivery of Transformers	
</		



### 3. Green Hill Solar Project Individual Summary Reports

#### 3.1. Green Hill A (Old)

Site	Green Hill Solar - Green Hill A (Old)
<b>Route Inspection and AIL Access Report Recently undertaken by Wynns?</b>	Yes
<b>Has Agreement in Principle (AIP) been provided by National Highways in line with the Water Preferred Policy</b>	Not applicable as 100te nett transformer will be moved within STGO Category 3 and as such will not require Special Order permissions from National Highways.
<b>National Highways AIP Reference Number</b>	N/A
<b>Proposed port Delivery</b>	Port of Immingham The port of Immingham is well established for heavy project cargo and no issues are expected in respect to marine access. It should be noted that as the load is STGO it will not be specifically limited to Immingham as the closest port but Immingham does provide suitable facilities.
<b>Maximum Transport Weight considered during the most recent report in line with future project requirements</b>	Weight - 95te nett transformer Length - 7.60m Width - 2.70m Height - 4.5m
<b>Typical trailer used in route clearance works</b>	A 5 bed 5 trailer at 141te gross weight as shown in drawing number 23-1218.TC03.
<b>Expected delivery date of next planned transformer if known</b>	To be confirmed
<b>Last Recorded Special Order Movement (according to available records)</b>	No movements to this site as is a new development.



Site	Green Hill Solar - Green Hill A (Old)
<b>Suggested route based on historical information</b>	Exit A1 at junction of A47 and head west. (OS Grid Ref: TL 07537 99743) Turn left A43 towards Corby Turn left A14 Turn right A43 Turn right Mawsley Road Turn left Broughton Road to site (OS Grid Ref: SP 80419 74222)
<b>Is a map available of the proposed route(s)?</b>	Yes – See Attachment 3
<b>Any Known Problems for AIL Access in terms of structures?</b>	No – As the gross vehicle weight of the drawbar trailer is less than 150Te the vehicle will be considered as a STGO CAT3 movement. This requires that the movement is notified through the National Highways ESDAL platform with 5 working days notice. If no rejections are received within this window, the movement has permission to travel.  Notification WYNL/188 was transmitted on 10/12/24 via the ESDAL platform to which no rejections were received. Had a haulier made this same application, they would have therefore received the required permission to travel.
<b>Authorities consulted in respect to AIL Access</b>	<ul style="list-style-type: none"> <li>• A1(M) Alconbury to Peterborough DBFO</li> <li>• Cambridgeshire County Council Abnormal Load Service</li> <li>• Lincolnshire County Council</li> <li>• National Highways Area 7</li> <li>• National Highways East Region</li> <li>• National Highways Yorkshire &amp; North East Region</li> <li>• Network Rail LC &amp; Rail over Road</li> <li>• North &amp; West Northants Abnormal Load Service</li> <li>• North Lincolnshire Council Unitary Authority</li> </ul>
<b>Any Known Problems for AIL Access in terms of Onsite issues?</b>	N/A – Proposal Stage
<b>Any Known Problems for AIL Access in terms of negotiability and</b>	No  The roundabout at A43 with Mawsley Road (OS Grid Ref:





Site	Green Hill Solar - Green Hill A (Old)
<b>other route comments?</b>	<p>SP 82830 75106) is to be negotiated in contraflow.</p> <p>Left turn onto Broughton Road from Mawsley Road (OS Grid Ref: SP 81147 75055). Swept path analysis deemed this negotiable without any requirement for land take.</p>
<b>Do routing issues currently present a serious risk that access to the site may be restricted?</b>	No
<b>Any other Relevant Information and Notes:</b> N/A	

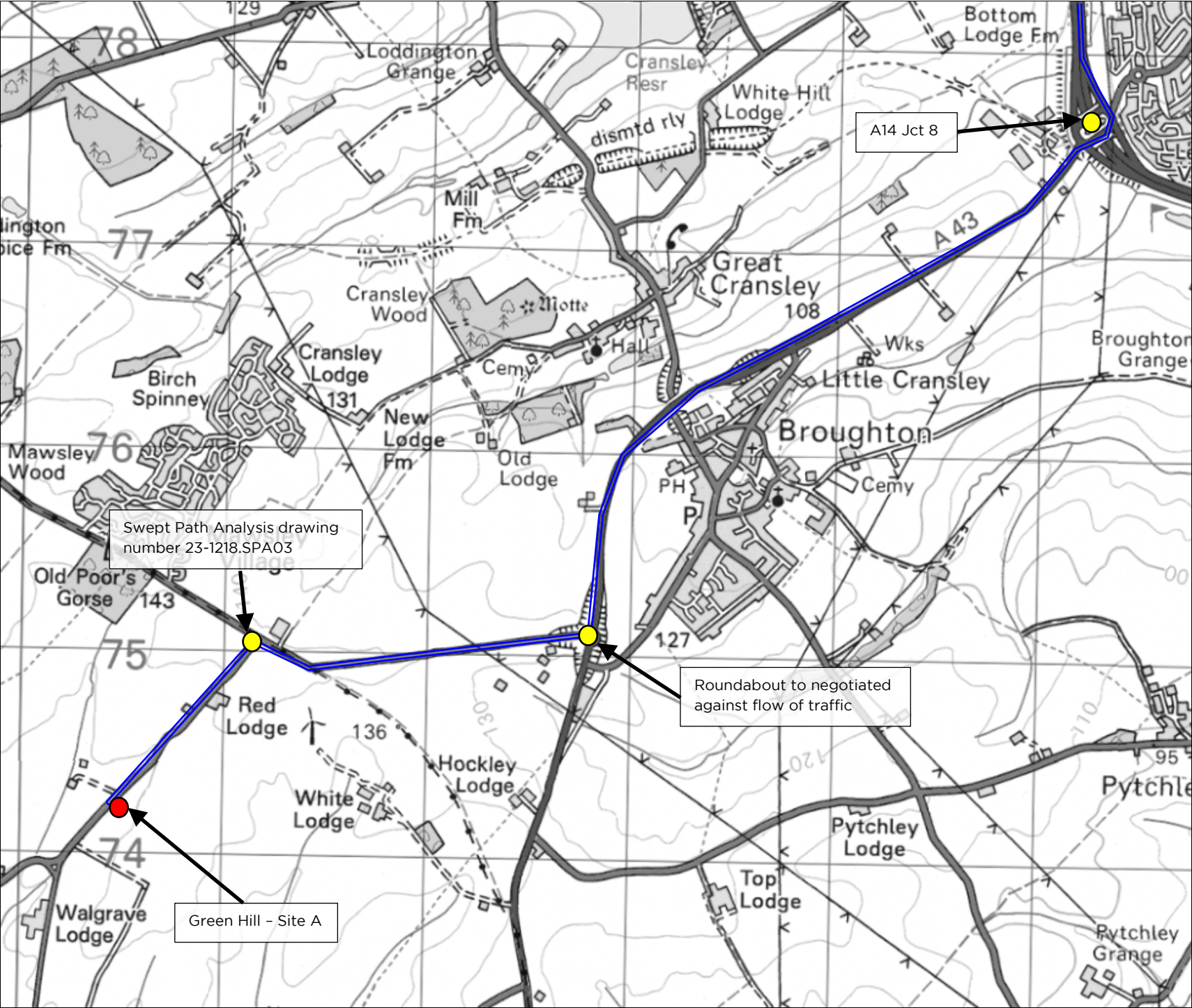




## Attachment 3

Site A - Map





Key

Route 1 to Green Hill - Site A

Points of Interest

Green Hill - Site A

B		
A		
O	17.04.2025	First Issue
Rev	Date	Amendments:

Revisions

INDEPENDENT TRANSPORTATION

WYNNS

ENGINEERS

Wynns Ltd.

Independent

Transportation

Engineers

Shaftesbury House, 2 High Street, Eccleshall,  
Stafford, ST21 6BZ. Tel: (01785) 850411

Client:

Island

GREEN

POWER

Project:

Green Hill Solar

Title:

Map 1 - Route to Green Hill - Site A

Drawing Status:

Final Report

Scale (A4):	Drawn by:	Checked by:
NTS	SMB	ARP

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23-1218-Map1	1 of 1	0

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## Attachment 4

### Site A – Swept Path Analysis





Swept Path Assessment  
Indicative of 5 Axle Bed 5 Axle Trailer  
Constructed from OS Mastermap Data  
Scale 1:1000

(Leader 1) Oversail and Overrun  
on Inside/Outside of Turn  
Anticipated, Recommended to  
Take Wider to Avoid Third-Party  
Land and Remain Within Highway  
Boundary.

(Leader 2) Plating and Packing to  
Overrun Area to Facilitate  
Manoeuvre.

(Leader 3) Removal of Traffic Sign  
on Inside of Turn, Trimming to  
Foliage Depending on Growth at  
Time of Movement.

140.8m

Guide Post

The delivery vehicle can be seen turning left onto Broughton Road from Unclassified Road at approximate OS grid reference: SP 81145 75059.

The configuration is recommended to occupy the full available carriageway to aid in reducing and mitigating oversail and overrun where possible. The configuration anticipates oversail and overrun on the inside and outside of the turn, this is recommended to remain within the highway boundary and mitigate possible conflict into third-party land, this anticipates an approximate clearance of 0.66m from the property boundary (Leader 1). Where overrun occurs, plating and packing to the present verges/kerbs should be implemented to facilitate delivery (Leader 2). It should be noted that traffic signs are positioned on the inside of the turn which would require removal (position is approximate), additionally, depending on growth at the time of movement, trimming to foliage may be required to facilitate; all remedial works are expected to remain within the highway boundary (Leader 3). This section is considered to be negotiable based on the aforementioned considerations.

Swept Path Assessment  
Indicative of 5 Axle Bed 5 Axle Trailer  
Constructed from OS Mastermap Data  
Scale 1:500

Location Plan



Legend:

- 5 axle bed 5 axle trailer  
minimum turning arrangements  
Drawing ref. 23-1218.TC03
- Extent of vehicle track
- Extent of trailer track
- Extent of oversail
- Extent of road boundary
- Extent of property boundary
- Overrun and oversail beyond kerb
- Overrun beyond kerb
- Oversail beyond kerb

1		
0	14.03.25	Issued for comment
Rev.	Date	Amendments

Revisions

Prepared by:



Shaftesbury House, 2 High Street,  
Eccleshall, Stafford, ST21 6BZ  
Tel: (01785) 850411

Independent Transportation Engineers

Client:



Project:

Green Hill Solar Farm

Title: Swept Path Assessment  
Negotiability of left turn onto Broughton Road from  
Unclassified Road, at approximate OS grid  
reference: SP 81145 75059, considerate of  
indicative 100te transformer transported on 5 axle  
bed 5 axle trailer.

Drawing status:

Final Report

Scale (A3):	Drawn by:	Checked by:
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Dwg. no:	Sheet:	Rev:
23-1218.SPA03	1 of 2	0

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P:\Clients\Existing Clients\Island Green Power\23-1218 Solar Farm in  
Northamptonshire (Grendon)\Swept Path Assessments





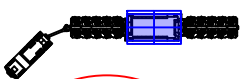
Swept Path Assessment  
Indicative of 5 Axle Bed 5 Axle Trailer  
Constructed from OS Mastermap Data  
Scale 1:500

NOTE: Overlay onto aerial image is not  
representative of the configuration relative to  
the environment. This is for illustrative purposes  
only, and should only be taken as such.


Location Plan




Legend:




5 axle bed 5 axle trailer  
minimum turning arrangements  
Drawing ref. 23-1218.TC03




Extent of vehicle track




Extent of trailer track



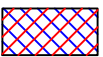
Extent of oversail




Extent of road boundary




Extent of property boundary



Overrun and oversail beyond kerb



Overrun beyond kerb



Oversail beyond kerb

1		
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Prepared by:



Shaftesbury House, 2 High Street,  
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Tel: (01785) 850411

Independent Transportation Engineers

Client:



Project:

Green Hill Solar Farm

Title:

Swept Path Assessment  
Negotiability of left turn onto Broughton Road from  
Unclassified Road, at approximate OS grid  
reference: SP 81145 75059, considerate of  
indicative 100te transformer transported on 5 axle  
bed 5 axle trailer.

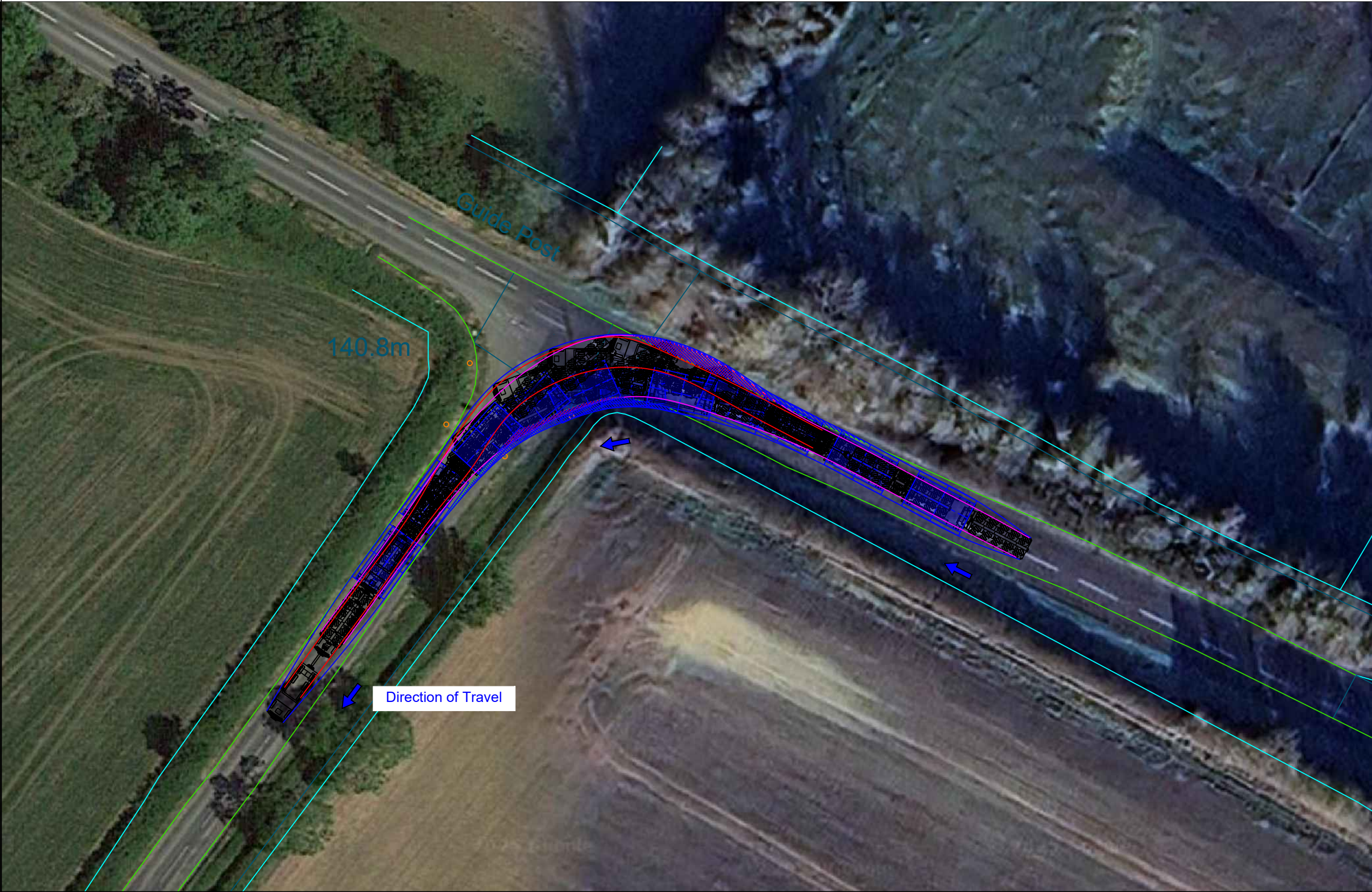
Drawing status:

Final Report

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Northamptonshire (Grendon)\Swept Path Assessments





### 3.2. Green Hill B (Holcot)

Site	Green Hill Solar - Green Hill B (Holcot)
<b>Route Inspection and AIL Access Report Recently undertaken by Wynns?</b>	Yes
<b>Has Agreement in Principle (AIP) been provided by National Highways in line with the Water Preferred Policy</b>	Not applicable as 100te nett transformer will be moved within STGO Category 3 and as such will not require Special Order permissions from National Highways.
<b>National Highways AIP Reference Number</b>	N/A
<b>Proposed port Delivery</b>	Port of Immingham The port of Immingham is well established for heavy project cargo and no issues are expected in respect to marine access. It should be noted that as the load is STGO it will not be specifically limited to Immingham as the closest port but Immingham does provide suitable facilities.
<b>Maximum Transport Weight considered during the most recent report in line with future project requirements</b>	Weight - 95Te nett transformer Length - 7.60m Width - 2.70m Height - 4.5m  This payload was originally investigated and received structural clearance before the size of the transformer required was reduced to 65Te nett. As the vehicle is within the agreed envelope, updated notifications are not required until made by the haulier once appointed.
<b>Typical trailer used in route clearance works</b>	A 5 bed 5 trailer at 141te gross weight as shown in drawing number 23-1218.TC03.
<b>Expected delivery date of next planned transformer if known</b>	To be confirmed



Site	Green Hill Solar - Green Hill B (Holcot)
<b>Last Recorded Special Order Movement</b>  <b>(according to available records)</b>	<p>No movements to this site as is a new development.</p>
<b>Suggested route based on historical information</b>	<p>Exit A1 at junction of A47 and head west. (OS Grid Ref: TL 07537 99743) Turn left A43 towards Corby Turn left A14 At A14 Jct 8, turn right A43 Turn right Sywell Road to site (OS Grid Ref: SP 80024 69164)</p>
<b>Is a map available of the proposed route(s)?</b>	<p>Yes - See Attachment 5</p>
<b>Any Known Problems for AIL Access in terms of structures?</b>	<p>No - As the gross vehicle weight of the drawbar trailer is less than 150Te the vehicle will be considered as a STGO CAT3 movement. This requires that the movement is notified through the National Highways ESDAL platform with 5 working days notice. If no rejections are received within this window, the movement has permission to travel.</p> <p>Notification WYNL/189 was transmitted on 10/12/24 via the ESDAL platform to which no rejections were received. Had a haulier made this same application, they would have therefore received the required permission to travel.</p>
<b>Authorities consulted in respect to AIL Access</b>	<ul style="list-style-type: none"> <li>• A1(M) Alconbury to Peterborough DBFO</li> <li>• Cambridgeshire County Council Abnormal Load Service</li> <li>• Lincolnshire County Council</li> <li>• National Highways Area 7</li> <li>• National Highways East Region</li> <li>• National Highways Yorkshire &amp; North East Region</li> <li>• Network Rail LC &amp; Rail over Road</li> <li>• North &amp; West Northants Abnormal Load Service</li> <li>• North Lincolnshire Council Unitary Authority</li> </ul>
<b>Any Known Problems for AIL Access in terms</b>	<p>N/A - Proposal Stage</p>





Site	Green Hill Solar - Green Hill B (Holcot)
<b>of Onsite issues?</b>	
<b>Any Known Problems for AIL Access in terms of negotiability and other route comments?</b>	<p>No</p> <p>The roundabout at A43 with Sywell Road (OS Grid Ref: SP 80807 68634) is to be negotiated in contraflow.</p>
<b>Do routing issues currently present a serious risk that access to the site may be restricted?</b>	<p>No</p>
<b>Any other Relevant Information and Notes:</b> N/A	

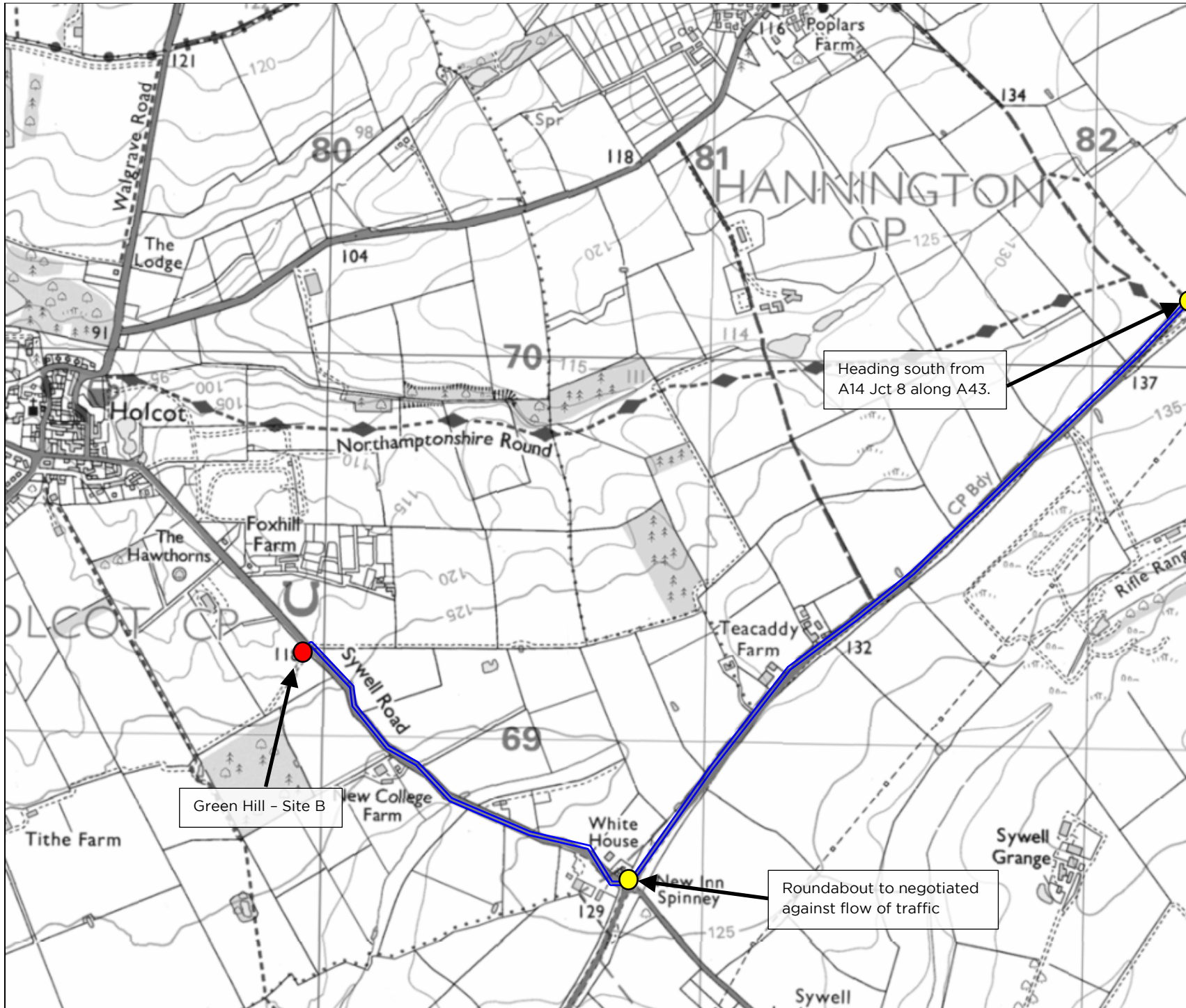










## Attachment 5

Site B – Map





Key		
	Route 1 to Green Hill – Site B	
	Points of Interest	
	Green Hill – Site B	
B		
A		
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Client:		
<div><div></div><div></div></div>		
Project:		
Green Hill Solar		
Title:		
Map 1 – Route to Green Hill - Site B		
Drawing Status:		
Final Report		
Scale (A4):	Drawn by:	Checked by:
NTS	SMB	ARP
Ref No.:	Sheet:	Rev.:
23-1218-Map1	1 of 1	0
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