



HELIOS RENEWABLE
ENERGY
PROJECT

PINS Document Number:
EN010140/APP/6.3.5.2

Pursuant to:
APFP Regulation 5(2)(a)

**Environmental Statement
Appendix 5.2:
Outline CTMP**

June 2024

A Planning Application by
ENSO GREEN HOLDINGS D LIMITED

In respect of
**Helios Renewable Energy Project,
NORTH YORKSHIRE**

Outline Construction Traffic Management Plan

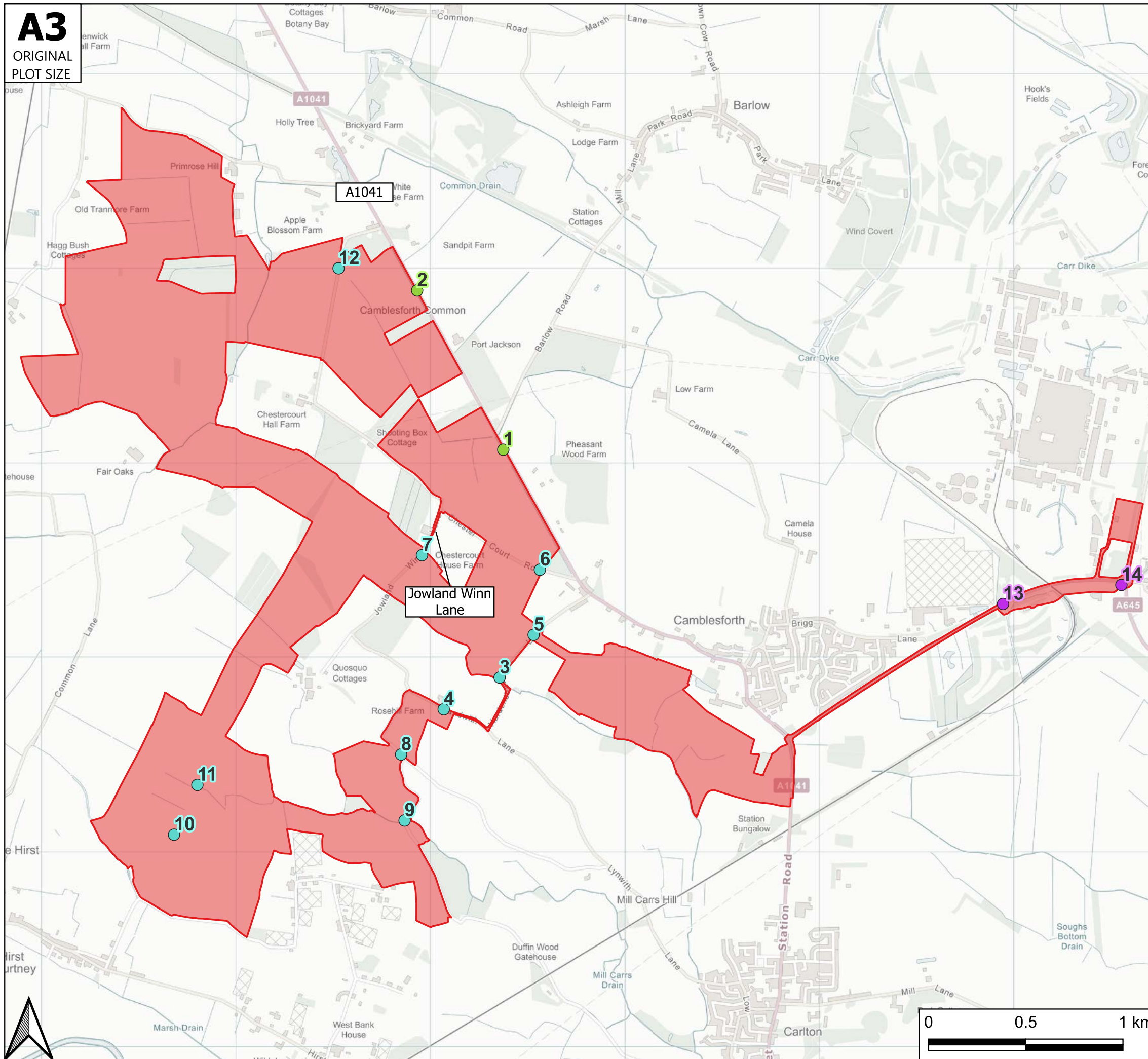
June 2024



FIGURES

A3

ORIGINAL
PLOT SIZE



Reproduced from

Key

- Site Boundary
- Access Locations
 - Cable Route Access Points
 - Field Connection Points
 - Main Site Access Points

Rev	Date	Details	Drawn by	Checked by	Approved by

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Cambridge
London
Welwyn Garden City



Transport Planning Associates

40 Berkeley Square
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Bristol
BS8 1HP

0117 925 9400
www.tpa.uk.com

CLIENT:
Enso Green Holdings D Limited

PROJECT:
Helios Renewable Energy Project

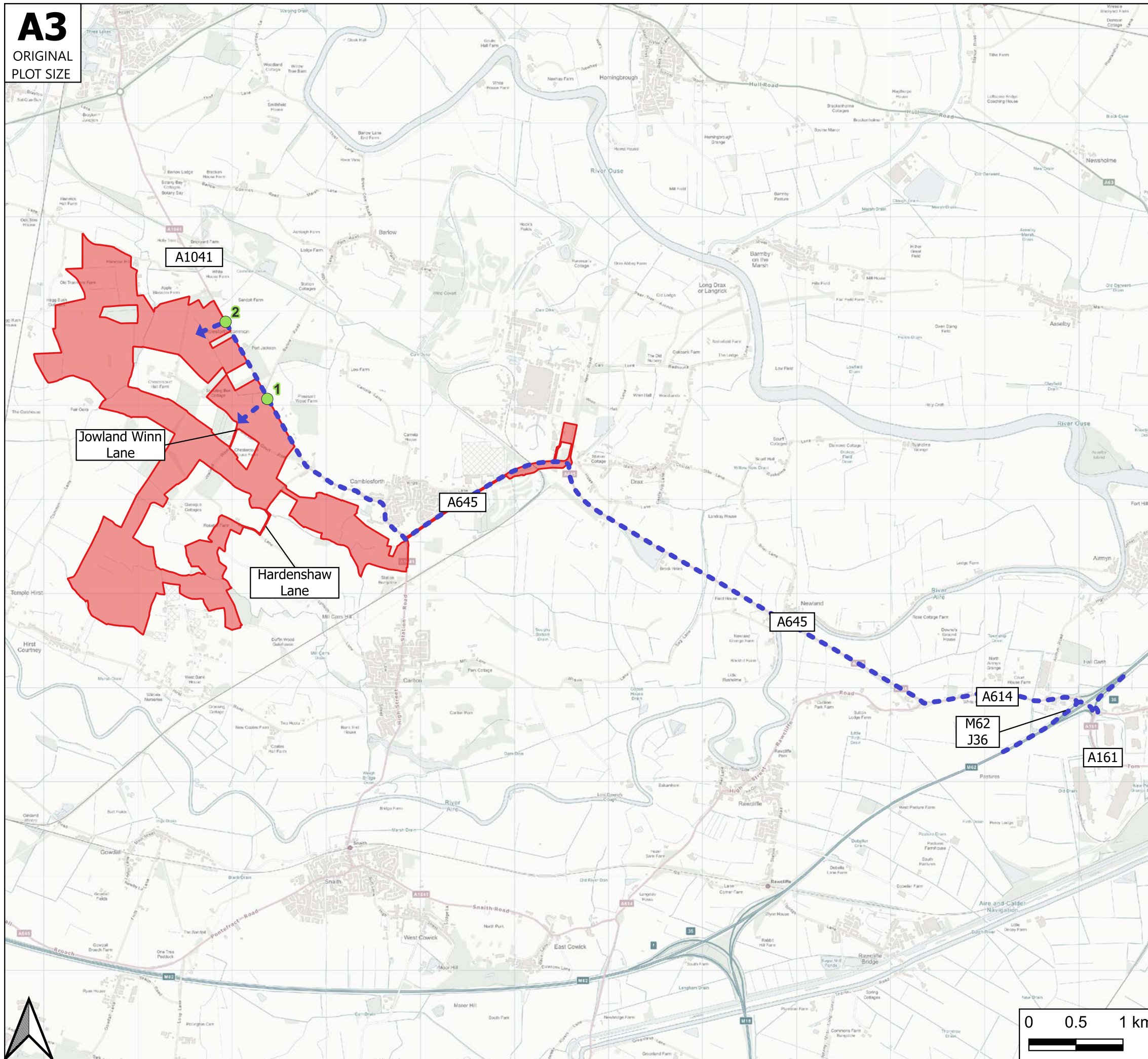
TITLE:
Access Locations

STATUS:
FOR INFORMATION

SCALE: NTS	DATE: 15/03/24	DRAWN: AC	CHECKED: RR	APPROVED: JD
JOB NO: 2104-025	DRAWING NO: Figure 3.1		REVISION: -	

A3

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Key

- Site Boundary
- Study Area
- Main Site Access Points

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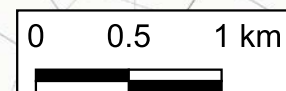
CLIENT:
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PROJECT:
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TITLE:
Construction Vehicle Route

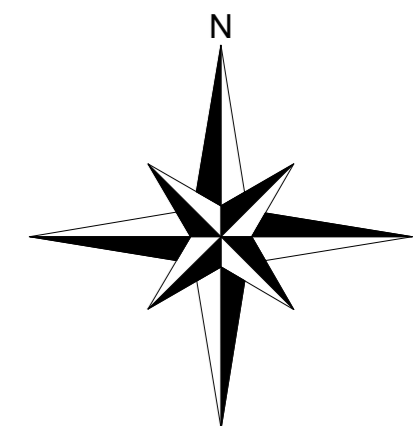
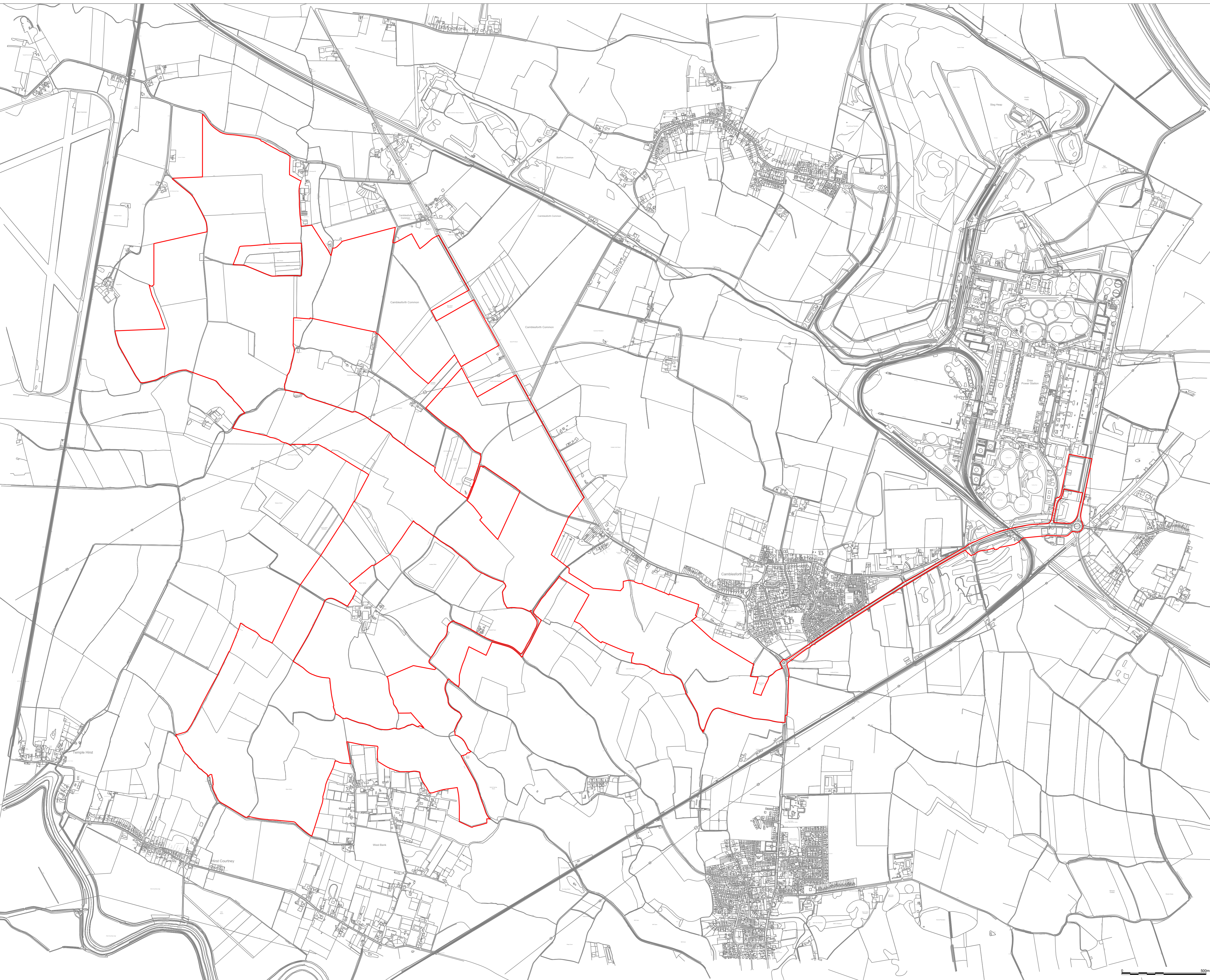
STATUS:
FOR INFORMATION

SCALE: NTS	DATE: 15/03/24	DRAWN: AC	CHECKED: RR	APPROVED: JD
JOB NO: 2104-025		DRAWING NO: Figure 5.1		REVISION: -



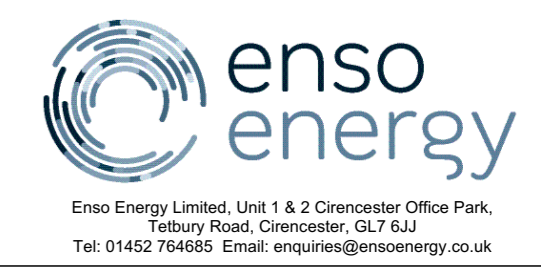
APPENDIX A

KEY
Site Boundary



- Revisions:
First Issue- 03/05/2022 JS
01 - (12/07/2022 JS) Revised boundary
02 - (21/02/2023 JS) Revised boundary
03 - (20/04/2023 JS) Revised boundary
04 - (28/04/2023 JS) Revised boundary
05 - (12/06/2023 JS) Revised boundary
06 - (20/07/2023 JS) Revised boundary
07 - (03/08/2023 AD) removal of sheets 2 & 3
08 - (11/10/2023 JS) Revised boundary
09 - (30/01/2024 JS) Revised boundary
10 - (07/02/2024 JS) Revised boundary
11 - (15/02/2024 AH) Revised boundary

ALL DIMENSIONS TO BE CHECKED ON SITE WORK
TO FIGURED DIMENSIONS ONLY REPORT
DISCREPANCIES TO THE GFP AT ONCE BEFORE
PROCEEDING COPYRIGHT ACT APPLIES.
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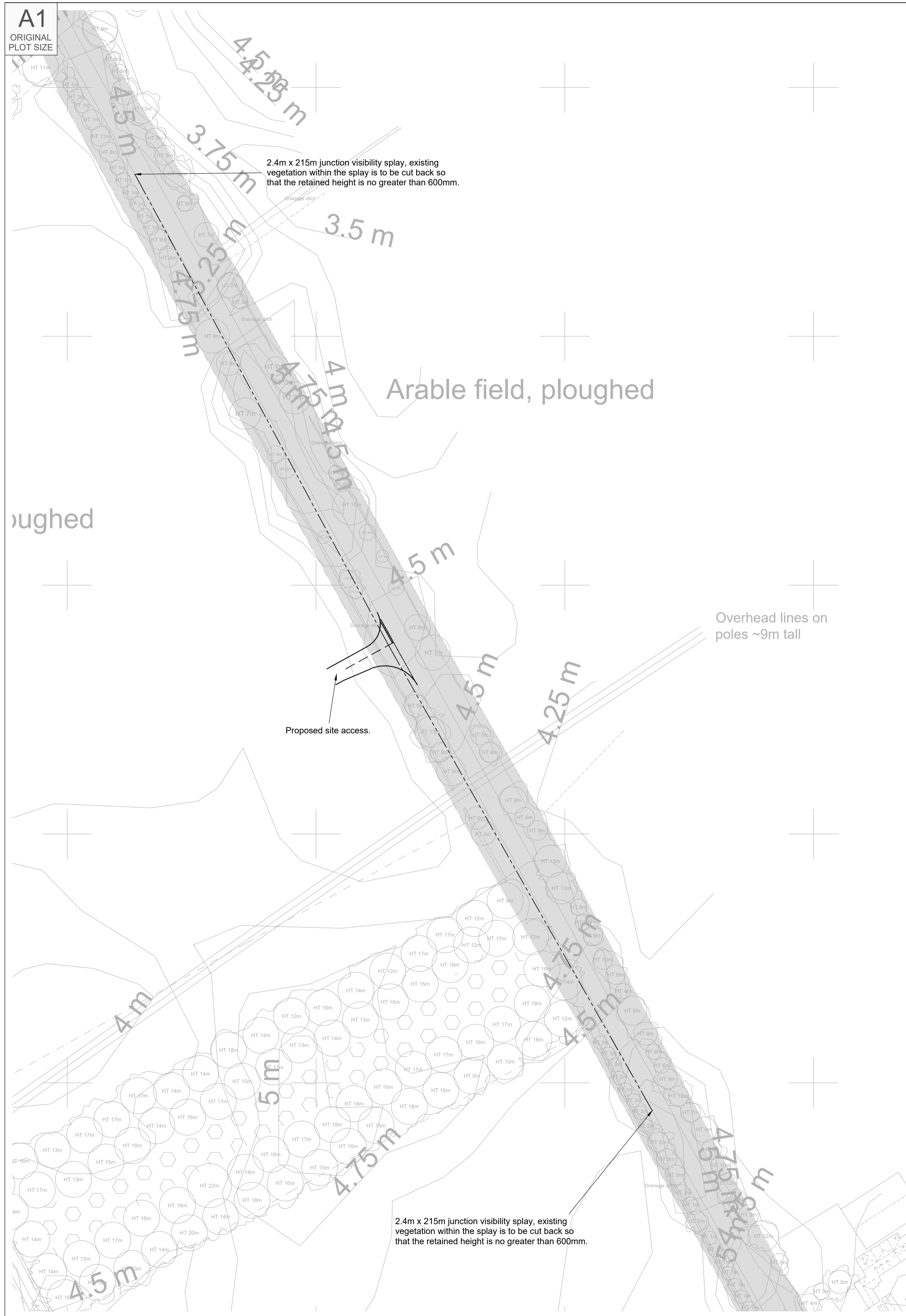


Project Title:
Helios Renewable Energy Project

Drawing Title:
**Figure 1.1
Order Limits Location Plan**

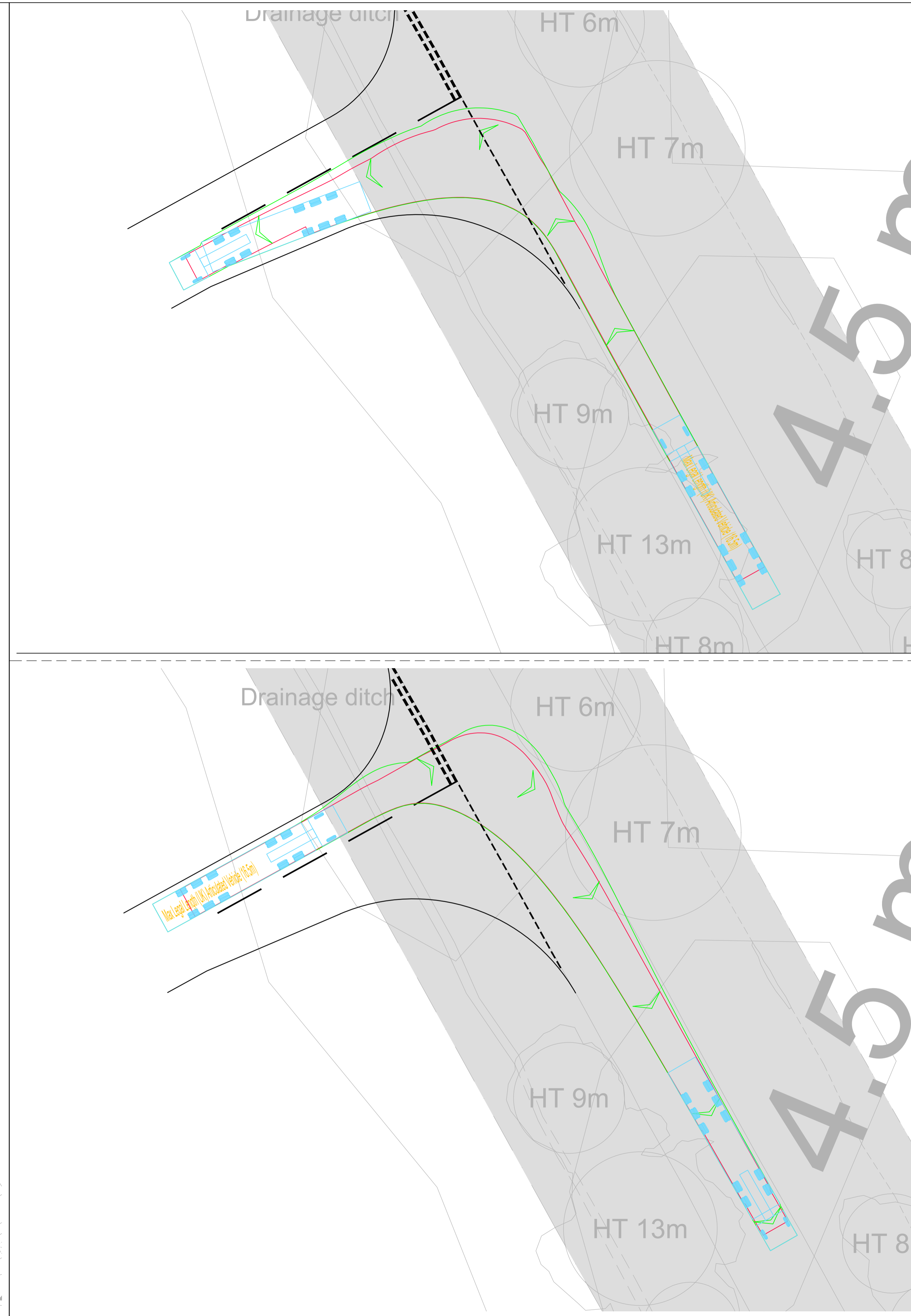
DRWG No: DX-01-P01	Rev: 11	Sht no: 1/1
Drawn by : AH	Checked by: NK	
Scale: 1:10,000 @ A1	Date: 15/02/2024	

APPENDIX B



Site Access Arrangement and Visibility Splays

Scale 1:1,000

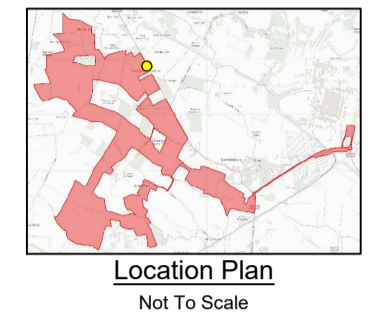


Swept Pats Of A 16.5m Articulated HGV

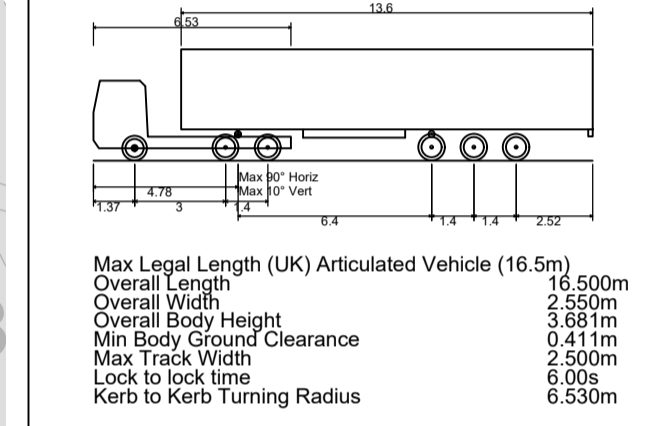
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NOTES:
1. The extent of adopted highway shown has been taken from an unscaled adopted highway record plan dated 24th March 2022 received from North Yorkshire County Council and is indicative only.



KEY
Approximate extent of adopted highway maintainable at public expense by North Yorkshire County Council.



Rev	Date	Description	Drawn by	Checked by	Approved by
B	23.05.24	Location plan added.	PSW	RR	JD
A	07.12.23	Access relocated further north.	PSW	RR	JD

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CLIENT:
ENSO GREEN HOLDINGS D LIMITED

PROJECT:
HELIOS RENEWABLE ENERGY PROJECT

TITLE:
Site Access 2 From A1041 - Northern Access

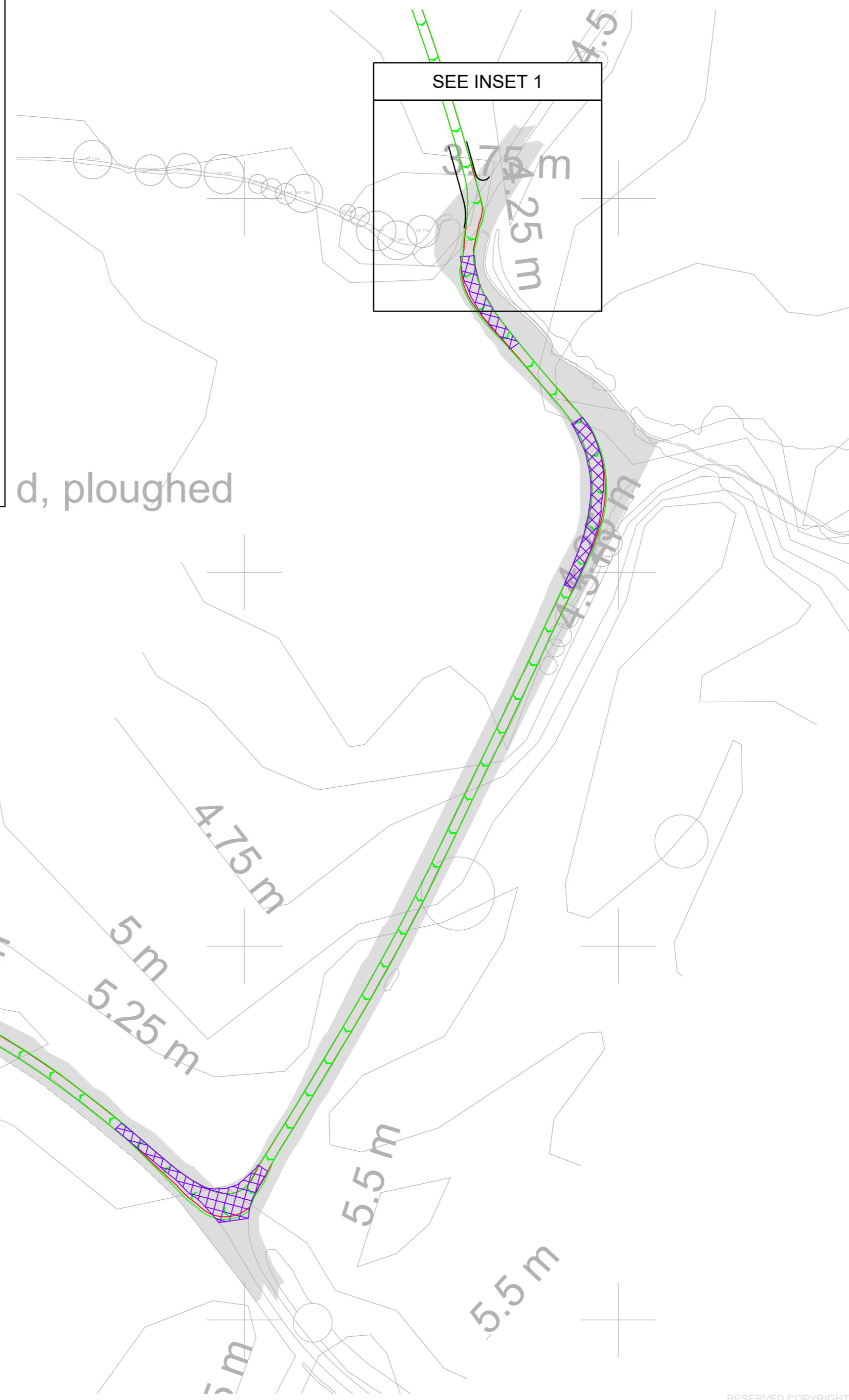
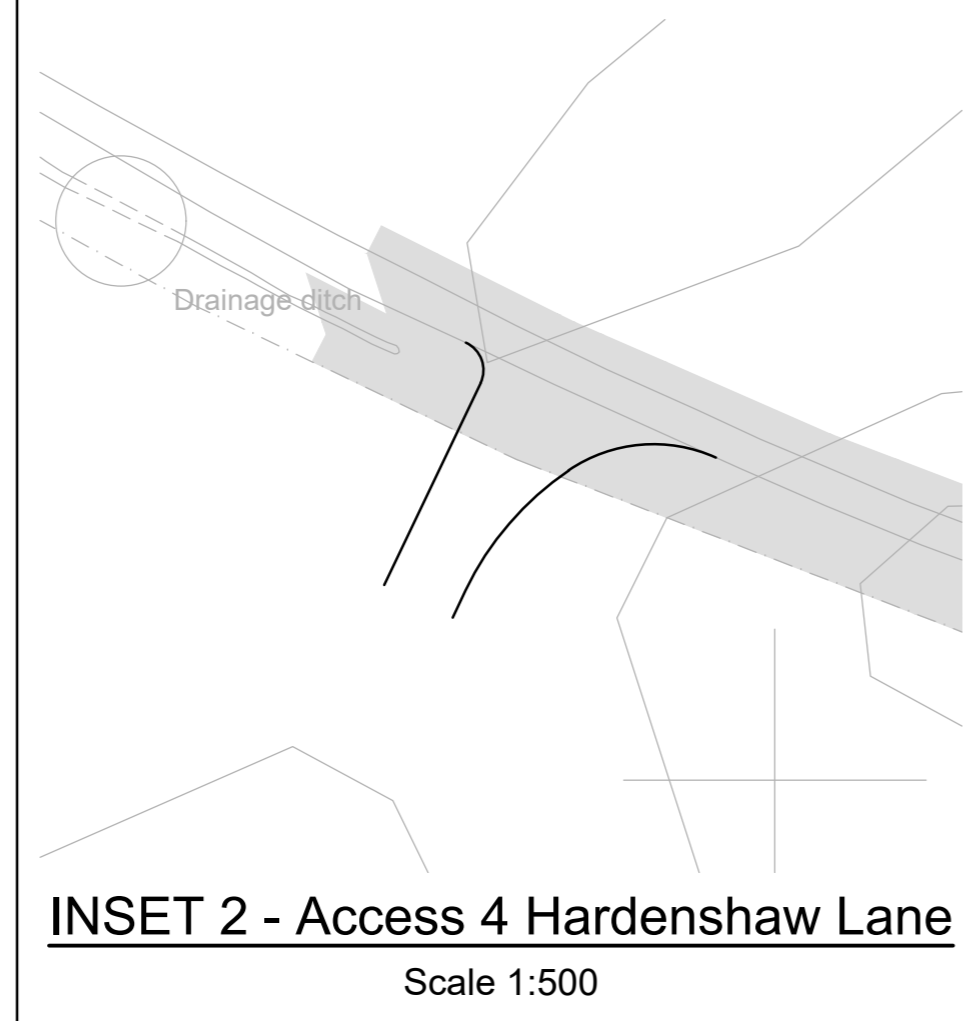
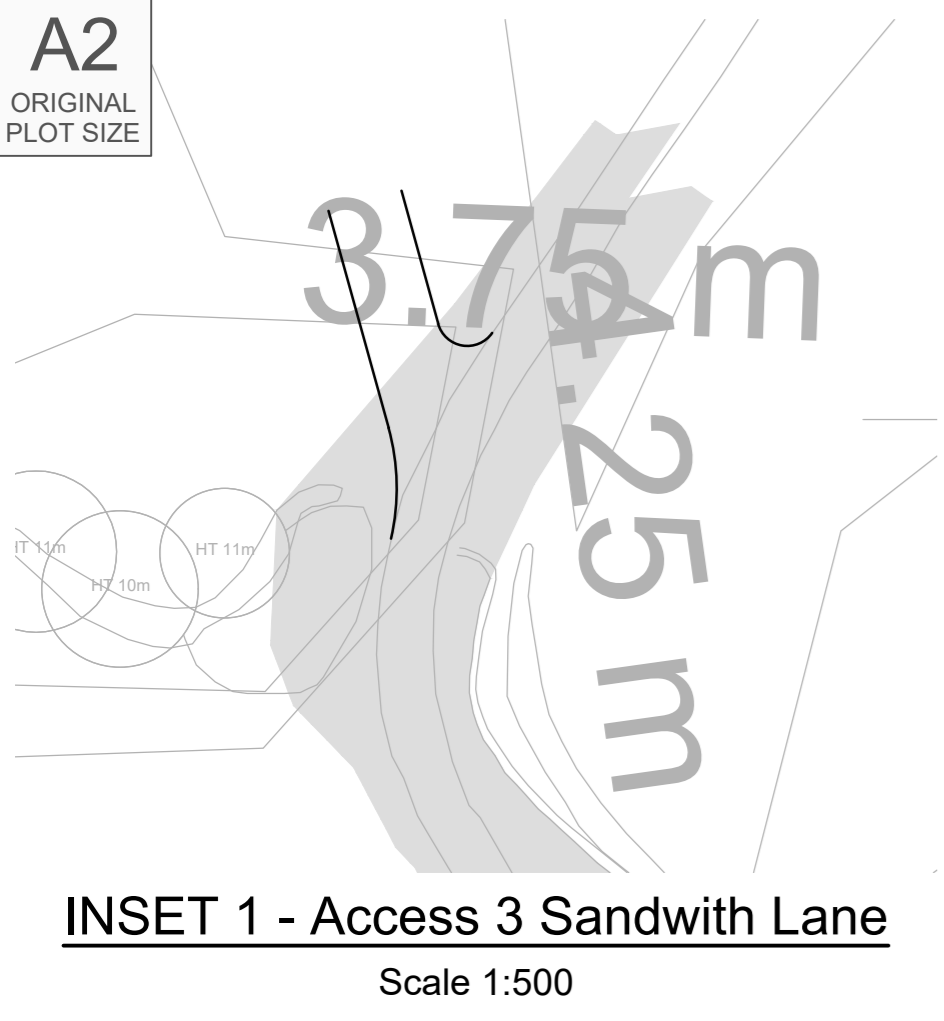
STATUS:
INFORMATION

SCALE:	DATE:	DRAWN:	CHECKED:	APPROVED:
As Shown	05.04.23	PSW	RR	JD
JOB NO:	DRAWING NO:	REVISION:		
2104-025	SK02	B		

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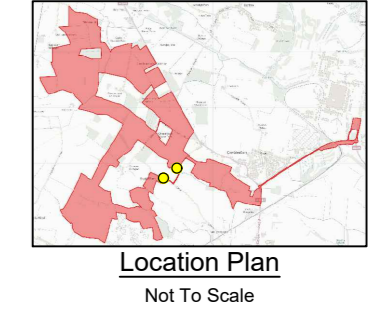
APPENDIX C

A2
ORIGINAL
PLOT SIZE



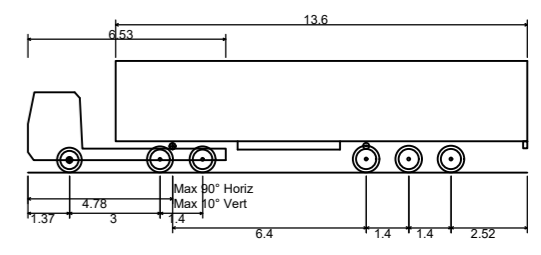
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NOTES:
1. The extent of adopted highway shown has been taken from an unsealed Ordnance Survey based adopted highway record plan dated 24th March 2022 received from North Yorkshire County Council and is indicative only.



KEY

- Approximate extent of adopted highway maintainable at public expense by North Yorkshire County Council (see note 1).
- Localised widening of existing road to accommodate swept path of an articulated HGV.



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.881m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to lock time 6.00s
 Kerb to Kerb Turning Radius 6.530m

Rev	Date	Details	Drawn by	Checked by	Approved by
B	23.05.24	Inset 1 is now access 3, Inset 2 is now access 4 and location plan added.	PSW	RR	JD
A	20.02.24	Site access from A1041 (southern access) now shown on SK01, route between land parcels shown on this drawing.	PSW	RR	JD

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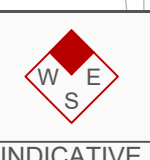
CLIENT:
ENSO GREEN HOLDINGS D LIMITED

PROJECT:
HELIOS RENEWABLE ENERGY PROJECT

TITLE:
Site Accesses 3 and 4 - Vehicle Access Between Land Parcels

STATUS:
INFORMATION

SCALE:	DATE:	DRAWN:	CHECKED:	APPROVED:
1:1,000	05.04.23	PSW	RR	JD
JOB NO:	DRAWING NO:	REVISION:		
2104-025	SK03	B		



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ORIGINAL PLOT SIZE

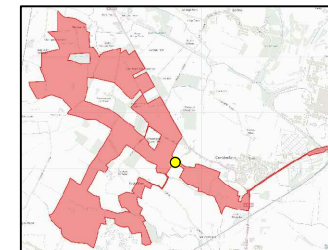
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2.4m x 164.5m visibility splay on outside bend.

2.4m x 87m visibility splay on outside bend.

2.4m x 167.5m visibility splay on inside bend.

2.4m x 48m visibility splay on inside bend.

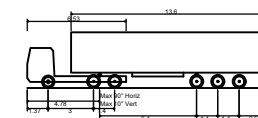


Location Plan

Not To Scale

KEY

Approximate highway boundary



Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 16.500m
Overall Width 2.550m
Overall Body Height 3.681m
Min Body Ground Clearance 0.411m
Max Track Width 2.500m
Lock to lock time 6.90s
Kerb to Kerb Turning Radius 6.530m

Rev	Date	Details	Drawn by	Checked by	Approved by
-	-	-	-	-	-



Proposed Site Crossing and Visibility Splay

Scale 1:1,000

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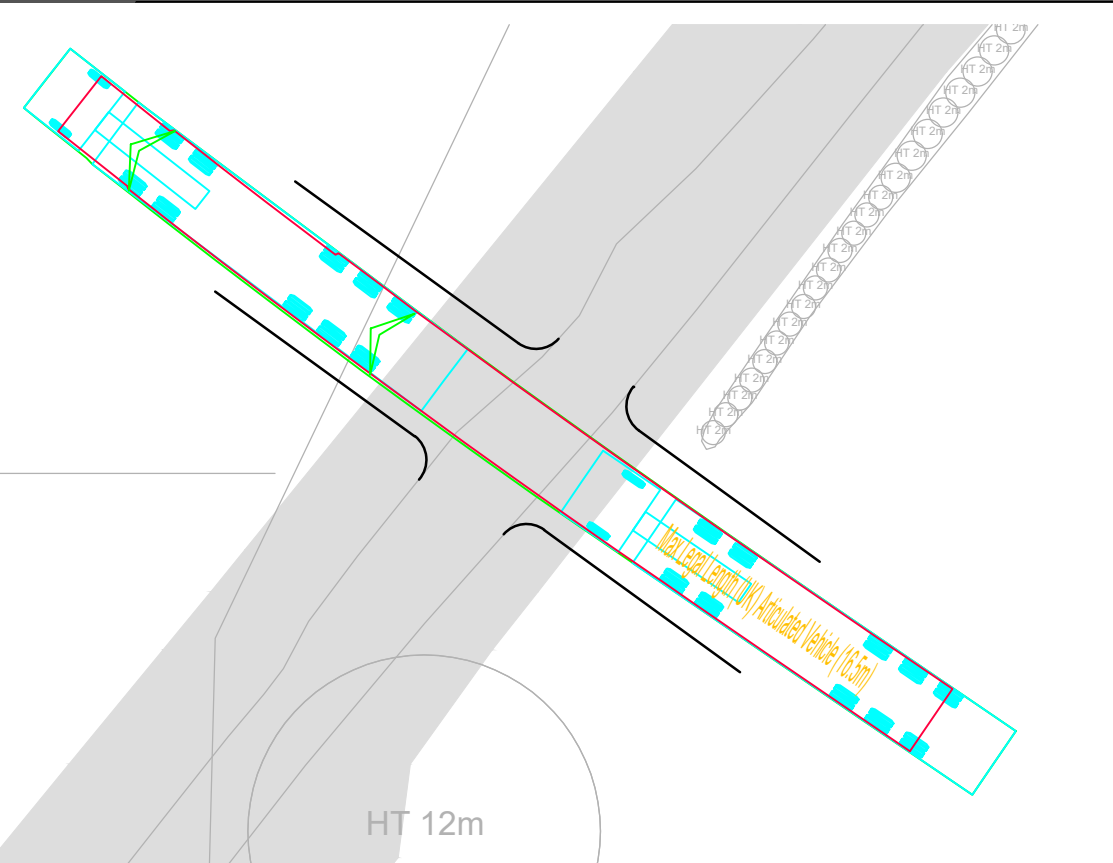
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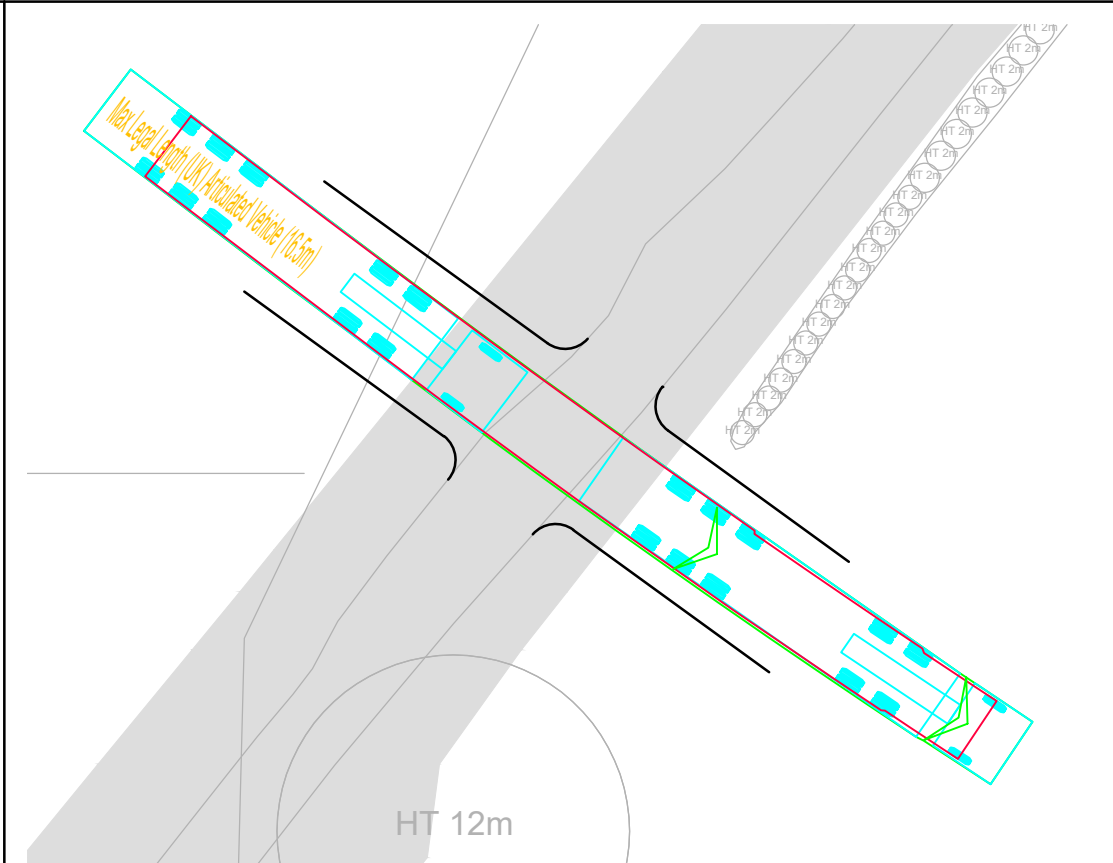
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Crossing 5 - Visibility Splay and Swept Path Analysis of a 16.5m Articulated HGV

STATUS:
INDICATIVE



16.5m Articulated HGV Northbound

Scale 1:250



16.5m Articulated HGV Southbound

Scale 1:250



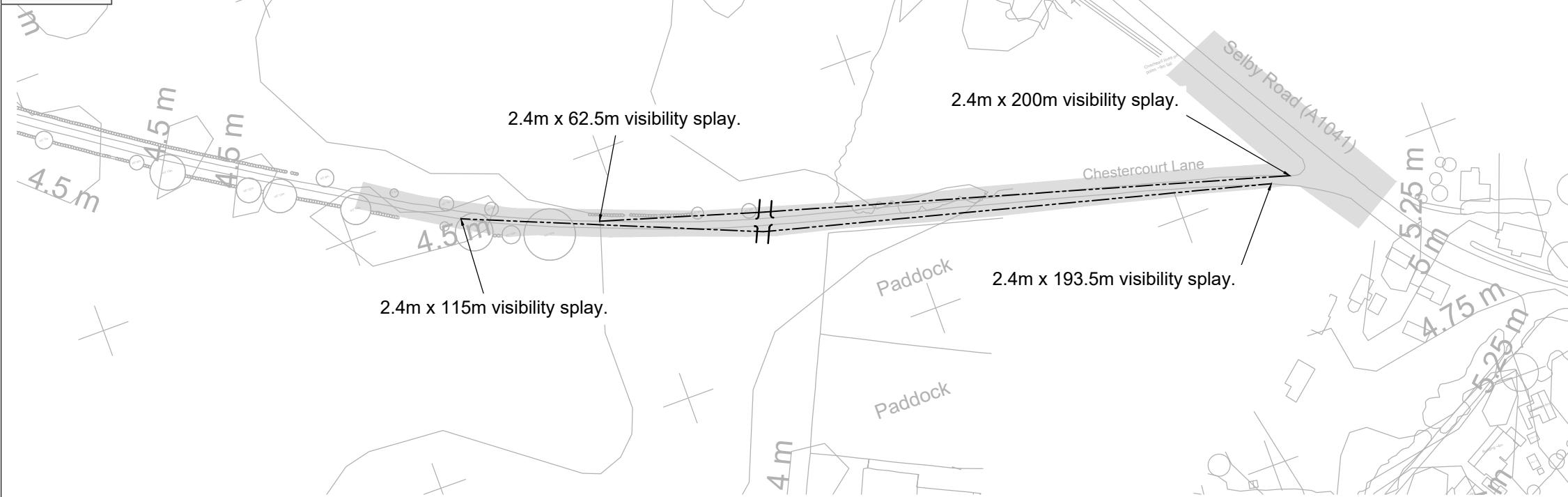
INDICATIVE

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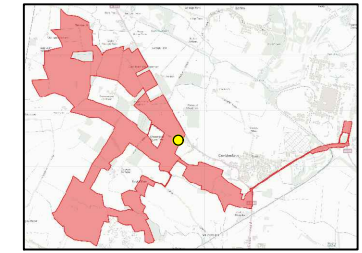
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JOB NO: 2104-025		DRAWING NO: SK05		REVISION: -

A3

ORIGINAL PLOT SIZE



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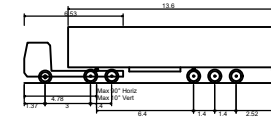


Location Plan

Not To Scale

KEY

Approximate highway boundary



Max Legal Length (UK) Articulated Vehicle (16.5m) 16.500m
 Overall Length 2.550m
 Overall Width 3.881m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to lock time 6.90s
 Kerb to Kerb Turning Radius 6.530m

Rev	Date	Details	Drawn by	Checked by	Approved by
-	-	-	-	-	-



Proposed Site Crossing and Visibility Splay

Scale 1:2,000

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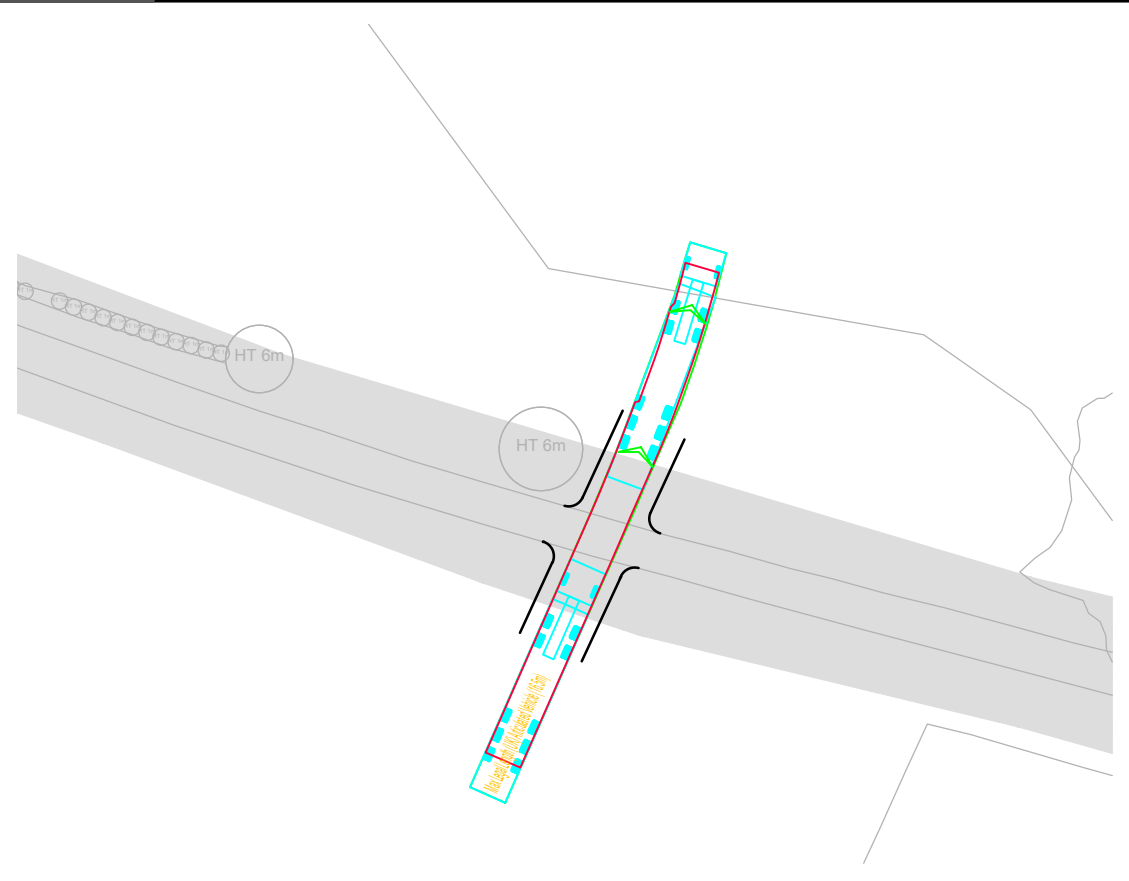
HELIOS RENEWABLE ENERGY PROJECT

TITLE:

Crossing 6 - Visibility Splay and Swept Path Analysis of a 16.5m Articulated HGV

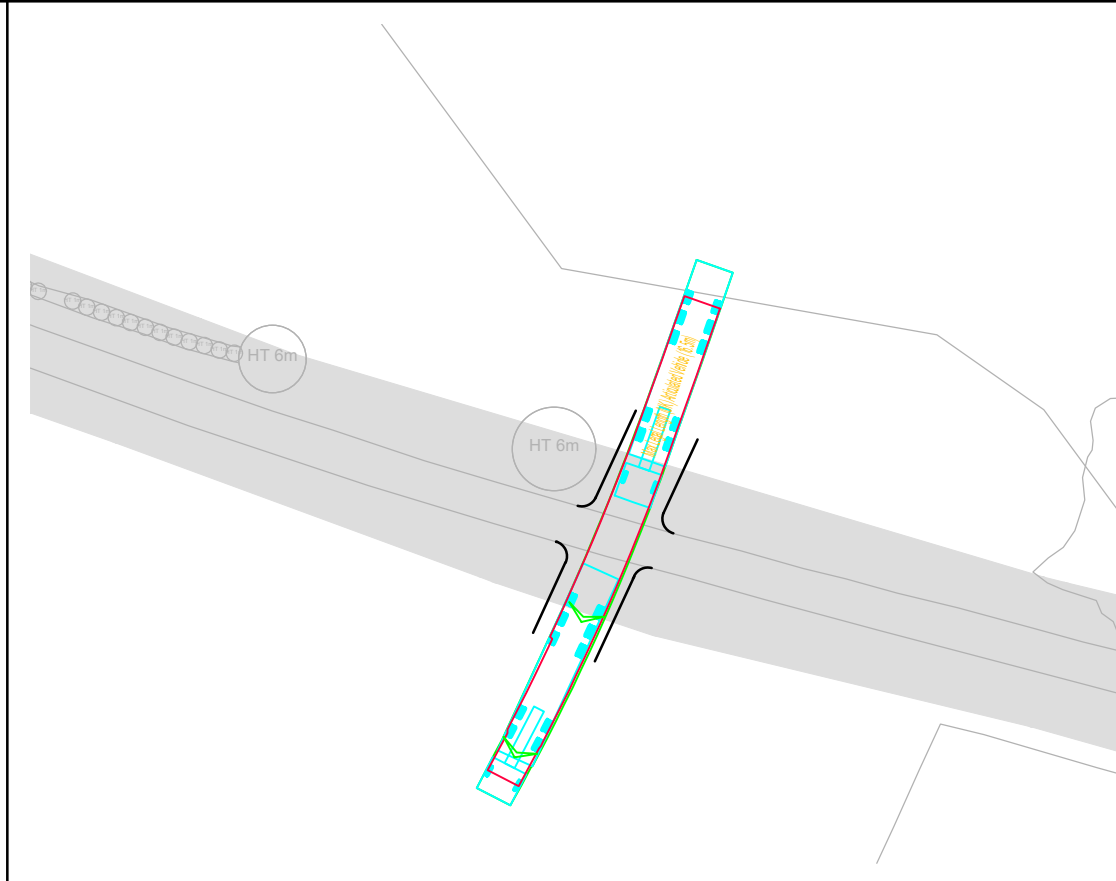
STATUS:

INDICATIVE



Northbound

Scale 1:500



Southbound

Scale 1:500



INDICATIVE

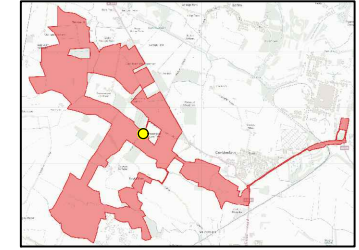
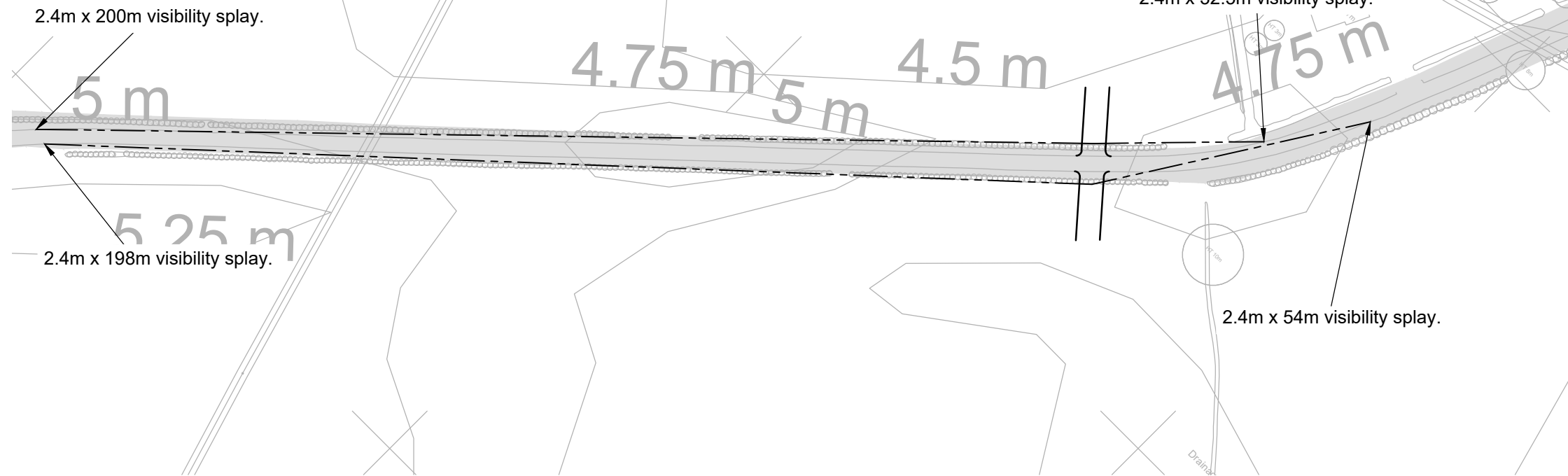
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JOB NO: 2104-025		DRAWING NO: SK06		REVISION: -

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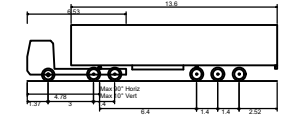


Location Plan

Not To Scale

KEY

Approximate highway boundary



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.881m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to lock time 6.50s
 Kerb to Kerb Turning Radius 6.530m

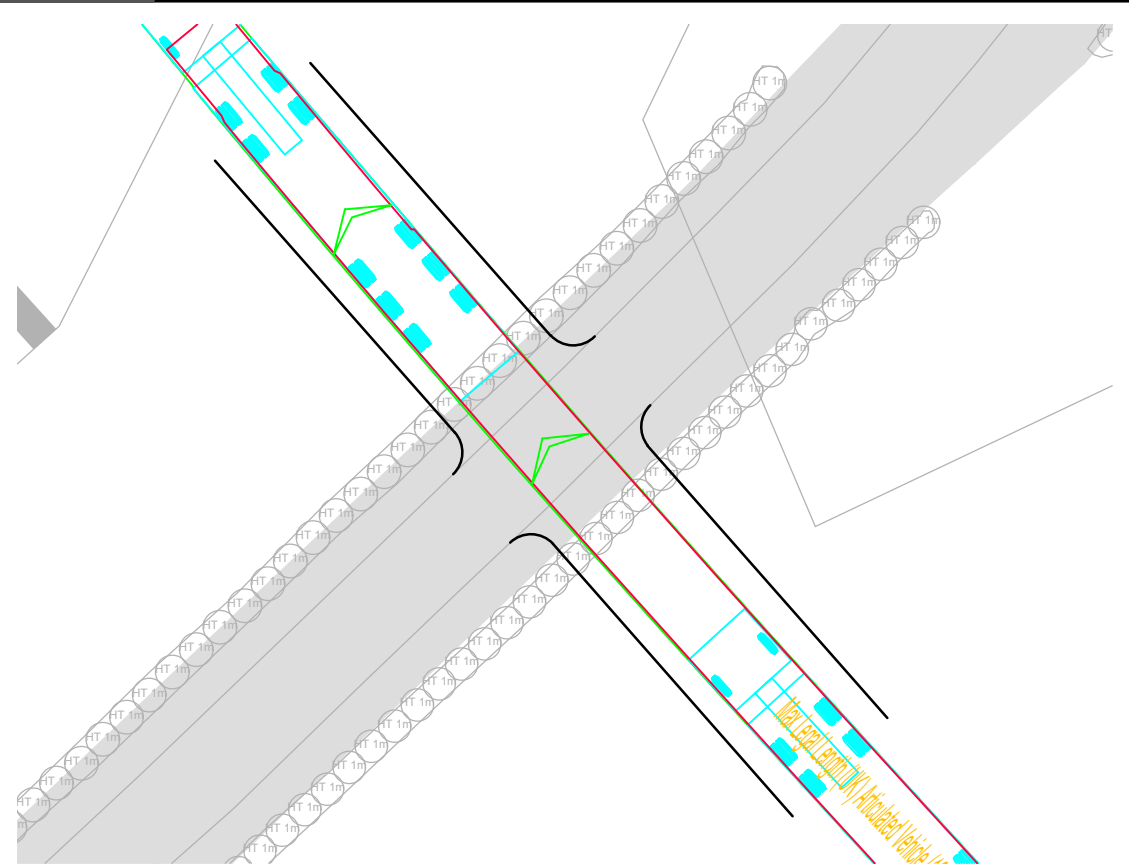
Rev	Date	Details	Drawn by	Checked by	Approved by
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Proposed Site Crossing and Visibility Splay

Scale 1:1000

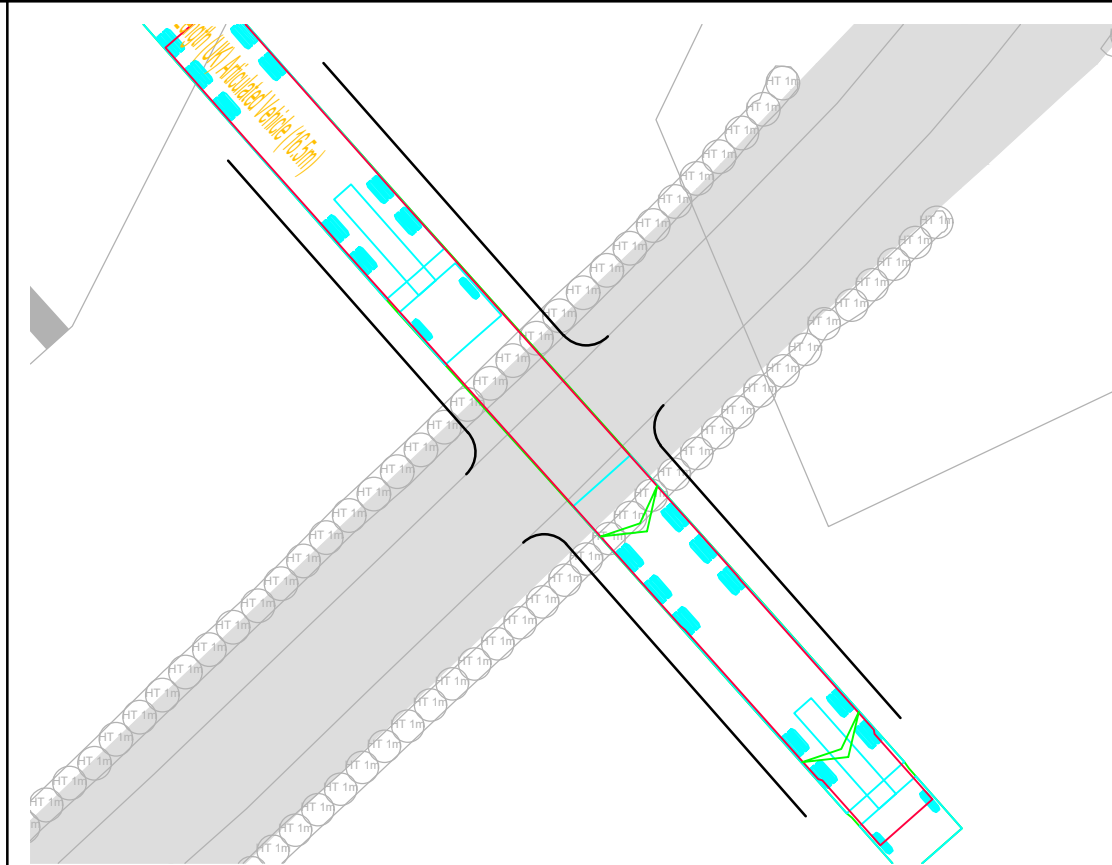
INDICATIVE



16.5m Articulated HGV Northbound

Scale 1:250

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16.5m Articulated HGV Southbound

Scale 1:250

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PROJECT:

HELIOS RENEWABLE ENERGY PROJECT

TITLE:

Crossing 7 - Visibility Splay and Swept Path Analysis of a 16.5m Articulated HGV

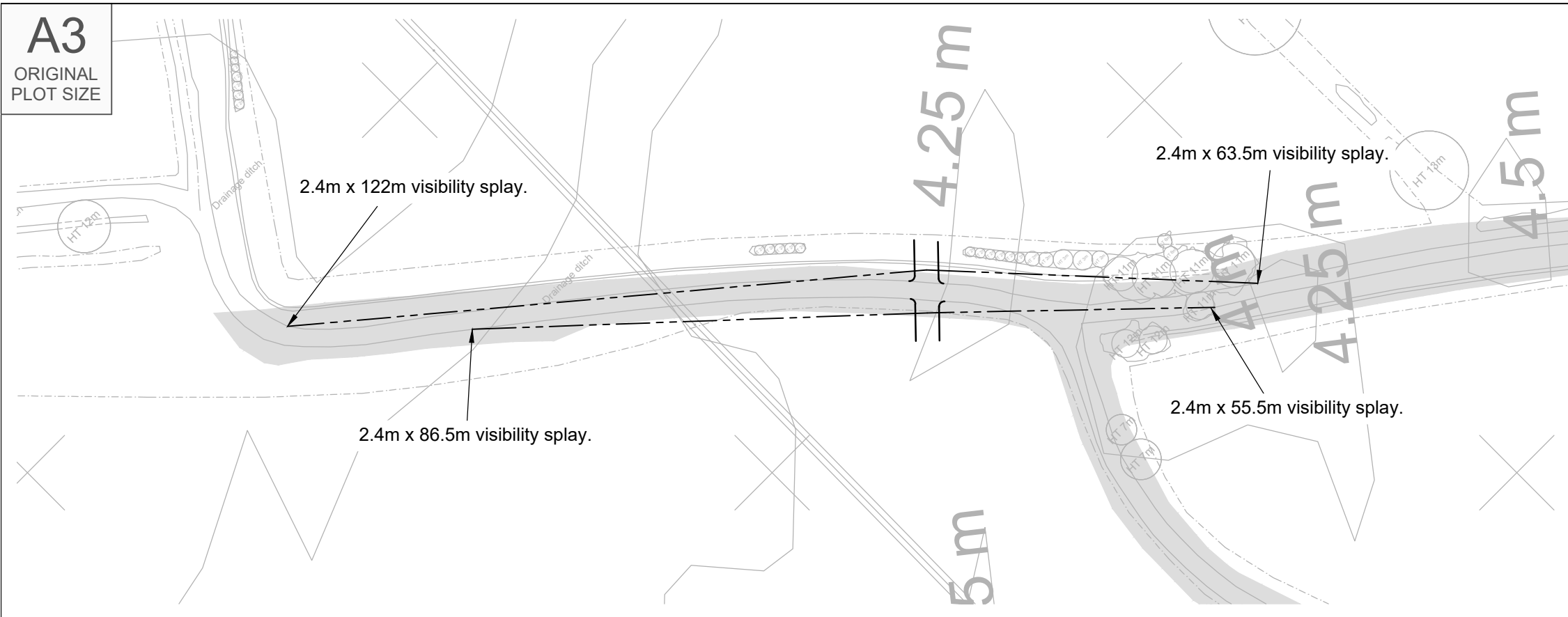
STATUS:

INDICATIVE

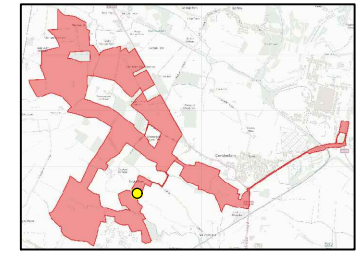
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JOB NO: 2104-025		DRAWING NO: SK07		REVISION: -

A3

ORIGINAL PLOT SIZE



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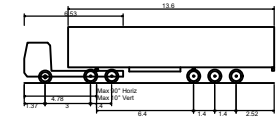


Location Plan

Not To Scale

KEY

Approximate highway boundary



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.681m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to lock time 6.50s
 Kerb to Kerb Turning Radius 6.530m

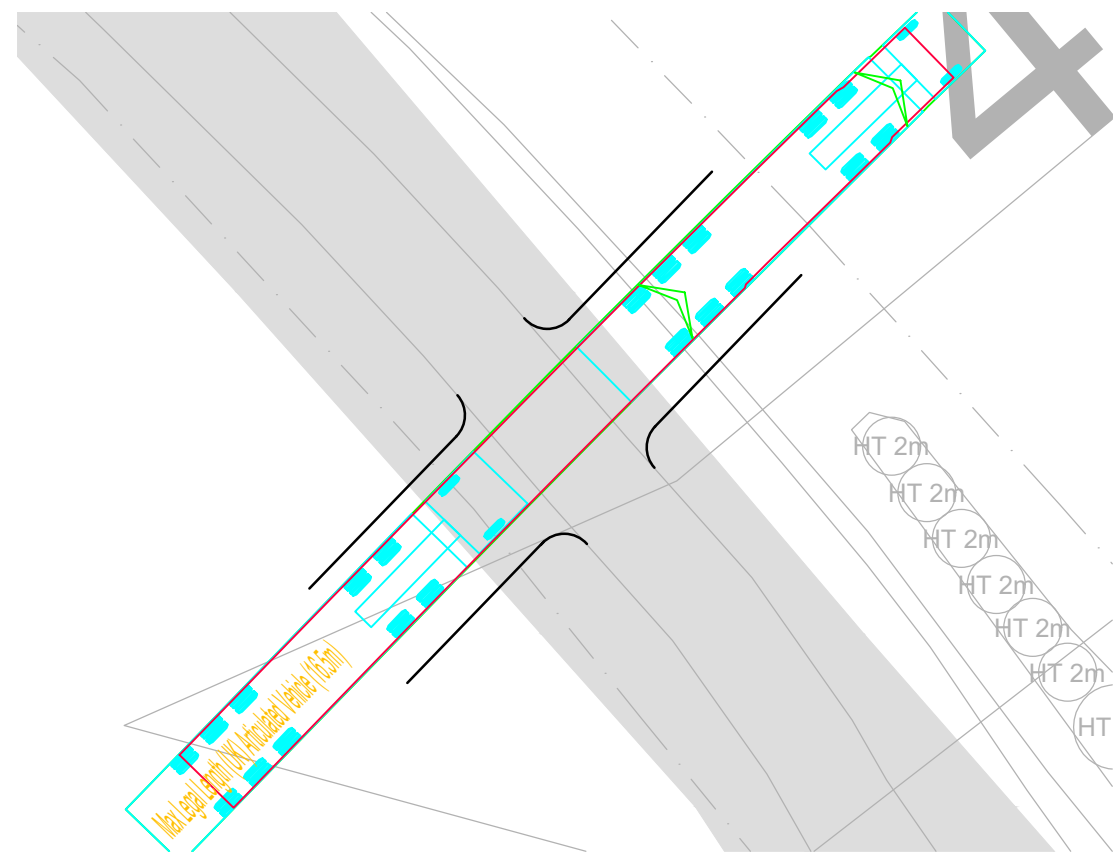
Rev	Date	Details	Drawn by	Checked by	Approved by
-	-	-	-	-	-



Proposed Site Crossing and Visibility Splay

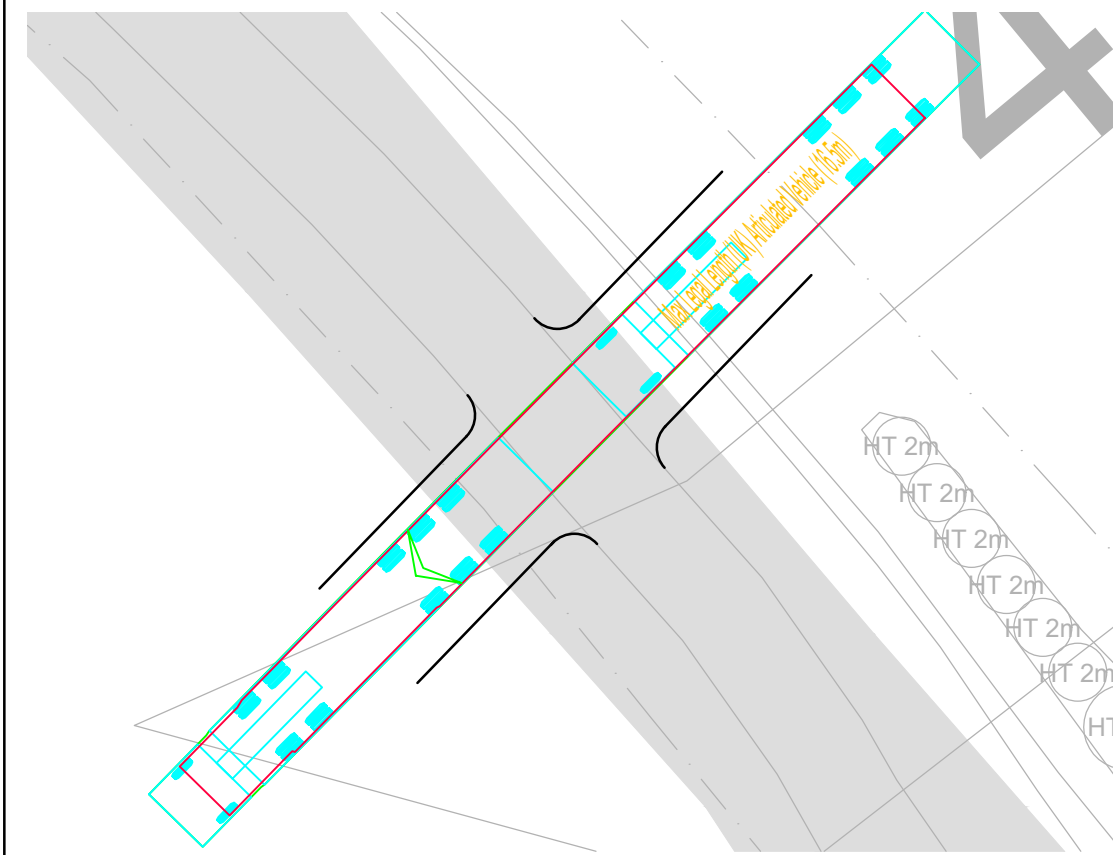
Scale 1:1,000

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16.5m Articulated HGV Northbound

Scale 1:250



16.5m Articulated HGV Southbound

Scale 1:250

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PROJECT:

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TITLE:

Crossing 8 - Visibility Splay and Swept Path Analysis of a 16.5m Articulated HGV

STATUS:

INDICATIVE

SCALE: As Shown	DATE: 15.05.24	DRAWN: KVT	CHECKED: RR	APPROVED: JD
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JOB NO: 2104-025	DRAWING NO: SK08	REVISION: -
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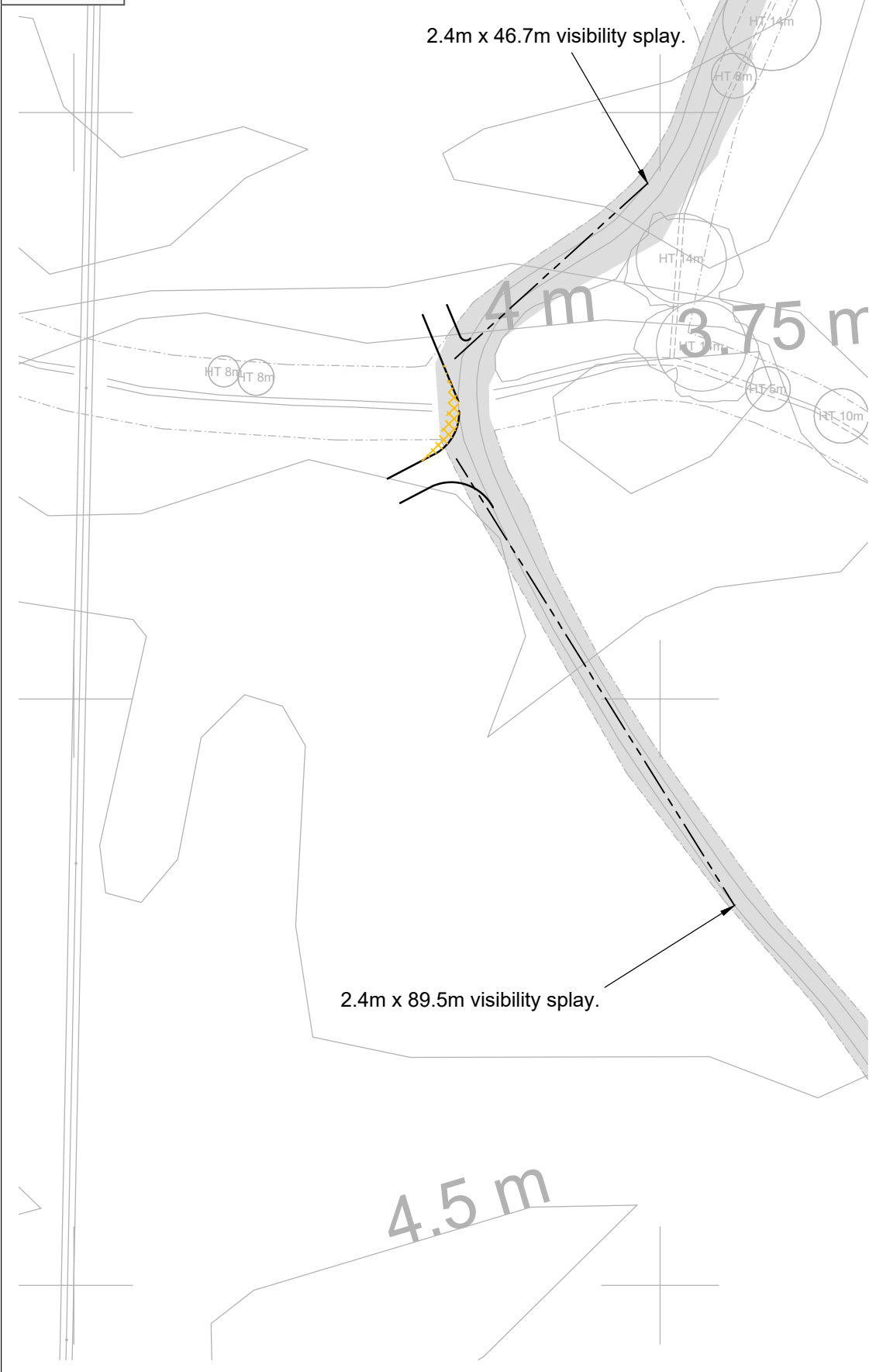


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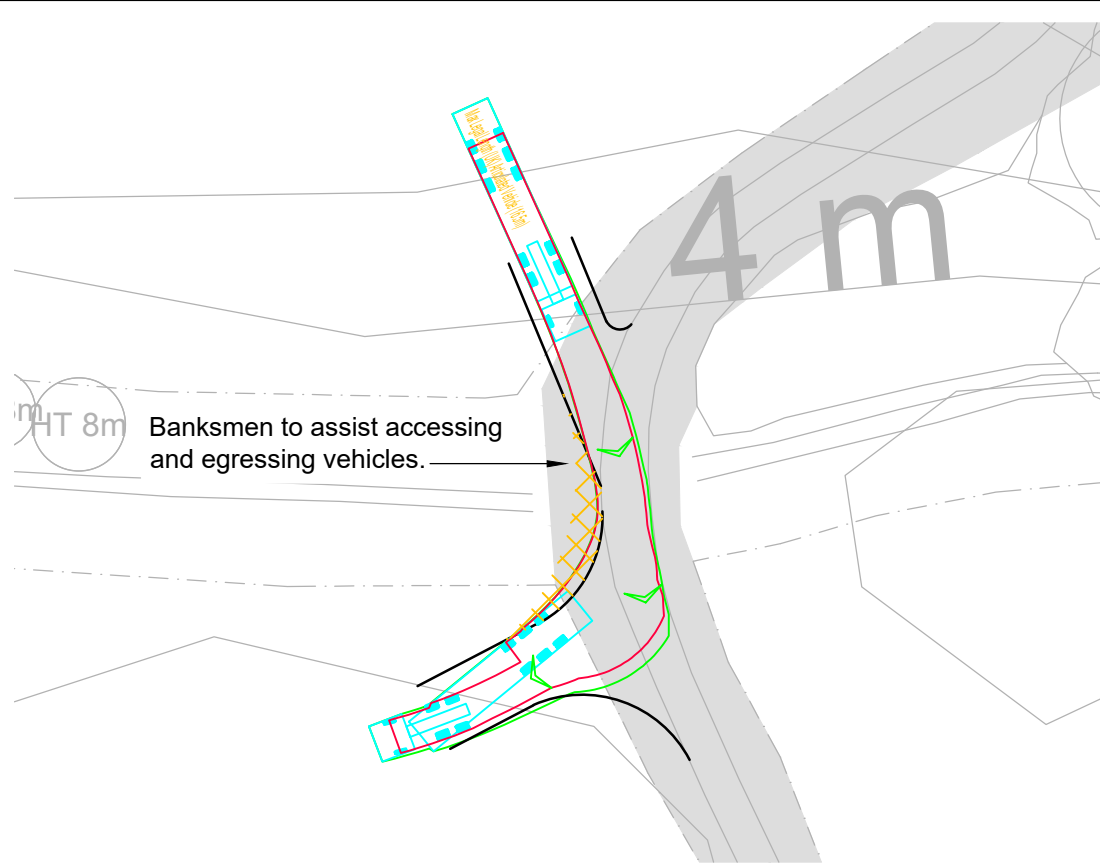
A3

ORIGINAL
PLOT SIZE



Proposed Site Crossing & Visibility Splay

Scale 1:1,000



16.5m Articulated HGV Westbound

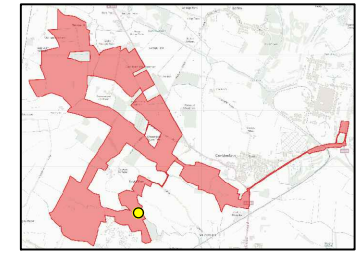
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16.5m Articulated HGV Northbound

Scale 1:500

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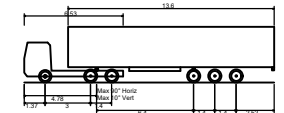


Location Plan

Not To Scale

KEY

- Approximate highway boundary
- Area required for vehicle movement



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.881m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to lock time 6.90s
 Kerb to Kerb Turning Radius 6.530m

Rev	Date	Details	Drawn by	Checked by	Approved by
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CLIENT:
ENSO GREEN HOLDINGS D LIMITED

PROJECT:
HELIOS RENEWABLE ENERGY PROJECT

TITLE:
Crossing 9 - Visibility Splay and Swept Path Analysis of a 16.5m Articulated HGV

STATUS:
INDICATIVE

SCALE: As Shown	DATE: 15.05.24	DRAWN: KVT	CHECKED: RR	APPROVED: JD
JOB NO: 2104-025		DRAWING NO: SK09		REVISION: -



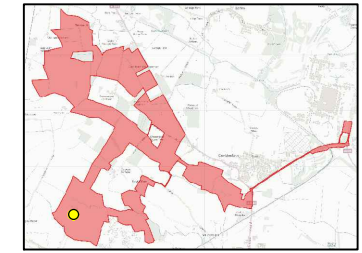
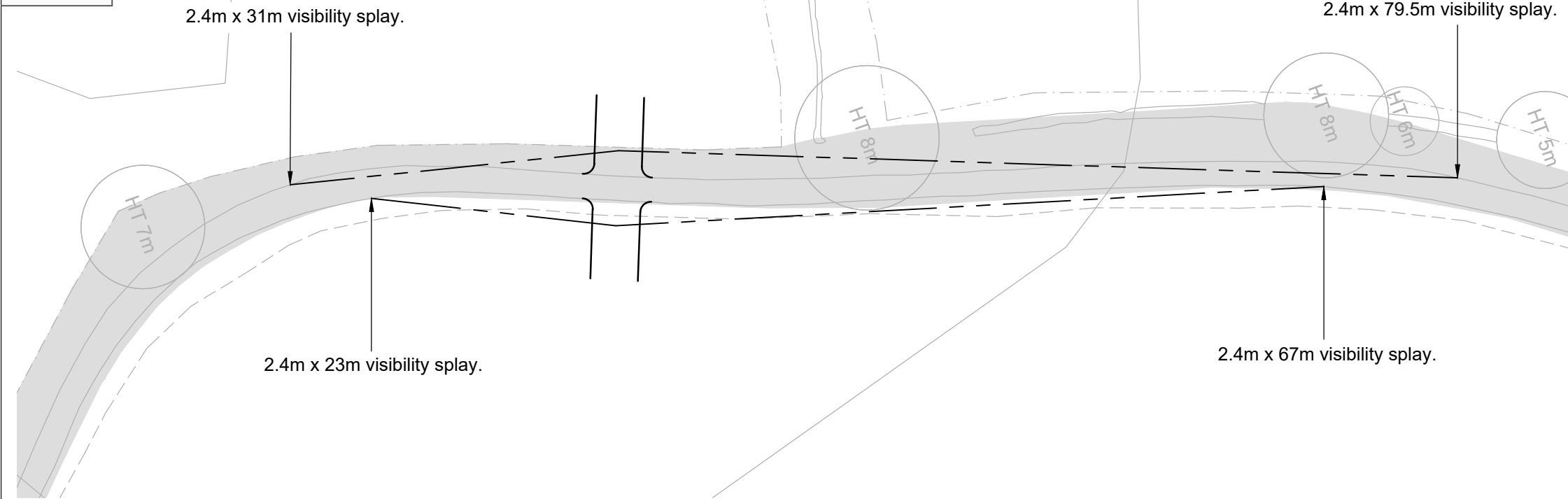
INDICATIVE

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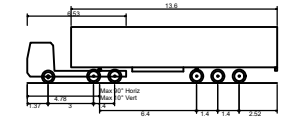


Location Plan

Not To Scale

KEY

Approximate highway boundary



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length 15.500m
 Overall Width 2.550m
 Overall Body Height 3.881m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to lock time 6.90s
 Kerb to Kerb Turning Radius 6.530m

Rev	Date	Details	Drawn by	Checked by	Approved by
-	-	-	-	-	-



Proposed Site Crossing and Visibility Splay

Scale 1:500

INDICATIVE

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CLIENT:

ENSO GREEN HOLDINGS D LIMITED

PROJECT:

HELIOS RENEWABLE ENERGY PROJECT

TITLE:

Crossing 10 - Visibility Splay and Swept Path Analysis of a 16.5m Articulated HGV

STATUS:

INDICATIVE



16.5m Articulated HGV Eastbound

Scale 1:250

INDICATIVE

16.5m Articulated HGV Westbound

Scale 1:250

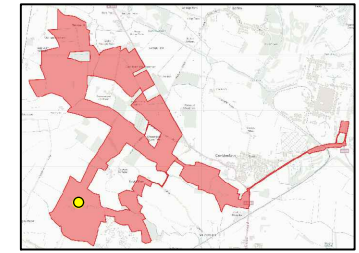
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JOB NO: 2104-025		DRAWING NO: SK10		REVISION: -

A3

ORIGINAL PLOT SIZE

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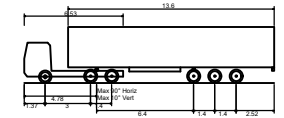


Location Plan

Not To Scale

KEY

Approximate highway boundary



Max Legal Length (UK) Articulated Vehicle (16.5m) 16.500m
 Overall Length 2.550m
 Overall Body Height 3.881m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to lock time 6.90s
 Kerb to Kerb Turning Radius 6.530m

Rev	Date	Details	Drawn by	Checked by	Approved by
-	-	-	-	-	-



Proposed Site Crossing and Visibility Splay

Scale 1:1000

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 Welwyn Garden City



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www.tpa.uk.com

CLIENT:

ENSO GREEN HOLDINGS D LIMITED

PROJECT:

HELIOS RENEWABLE ENERGY PROJECT

TITLE:

Crossing 11 - Visibility Splay and Swept Path Analysis of a 16.5m Articulated HGV

STATUS:

INDICATIVE



16.5m Articulated HGV Eastbound

Scale 1:250

INDICATIVE

16.5m Articulated HGV Westbound

Scale 1:250

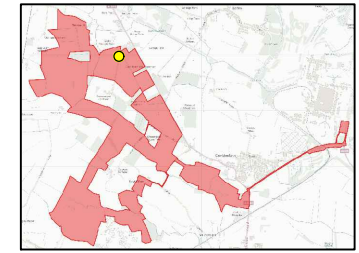
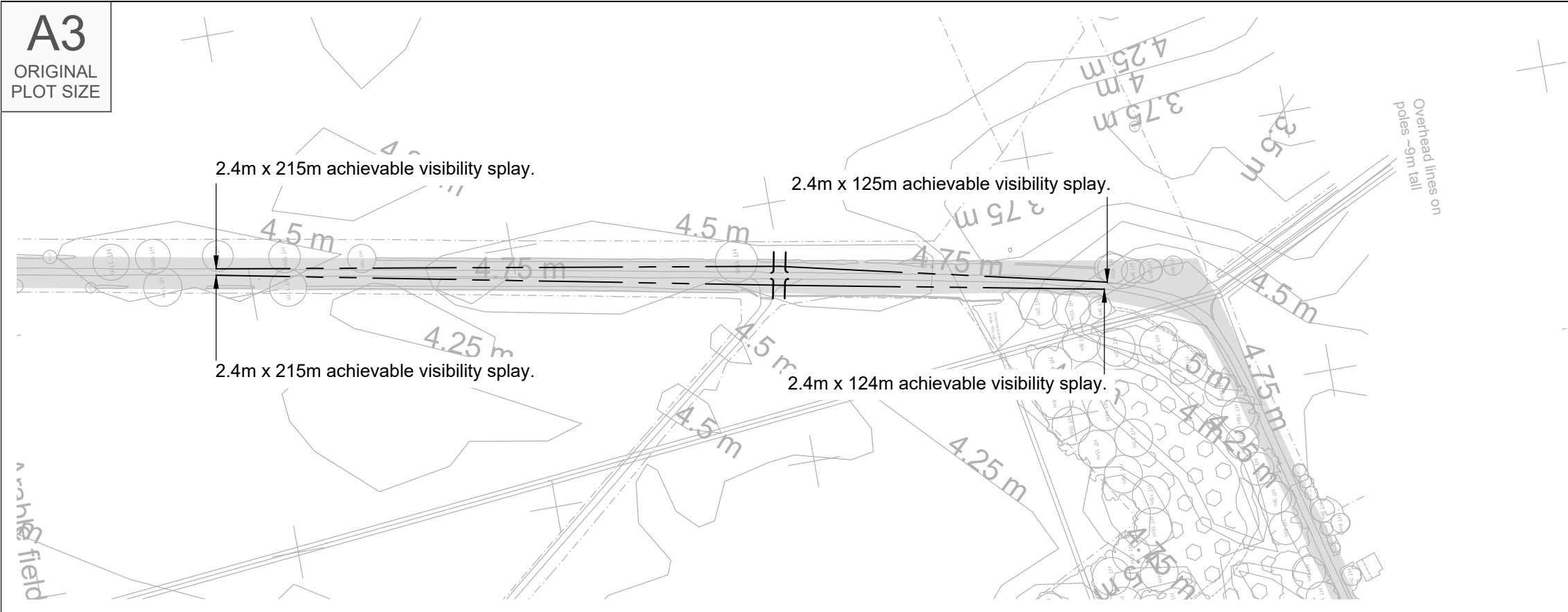
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JOB NO: 2104-025		DRAWING NO: SK11		REVISION: -

A3

ORIGINAL PLOT SIZE

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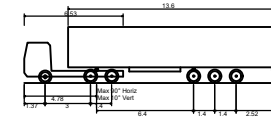


Location Plan

Not To Scale

KEY

Approximate highway boundary



Max Legal Length (UK) Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.550m
 Overall Body Height 3.881m
 Min Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to lock time 6.90s
 Kerb to Kerb Turning Radius 6.530m

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Proposed Site Crossing and Visibility Splay

Scale 1:2,000

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CLIENT:

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PROJECT:

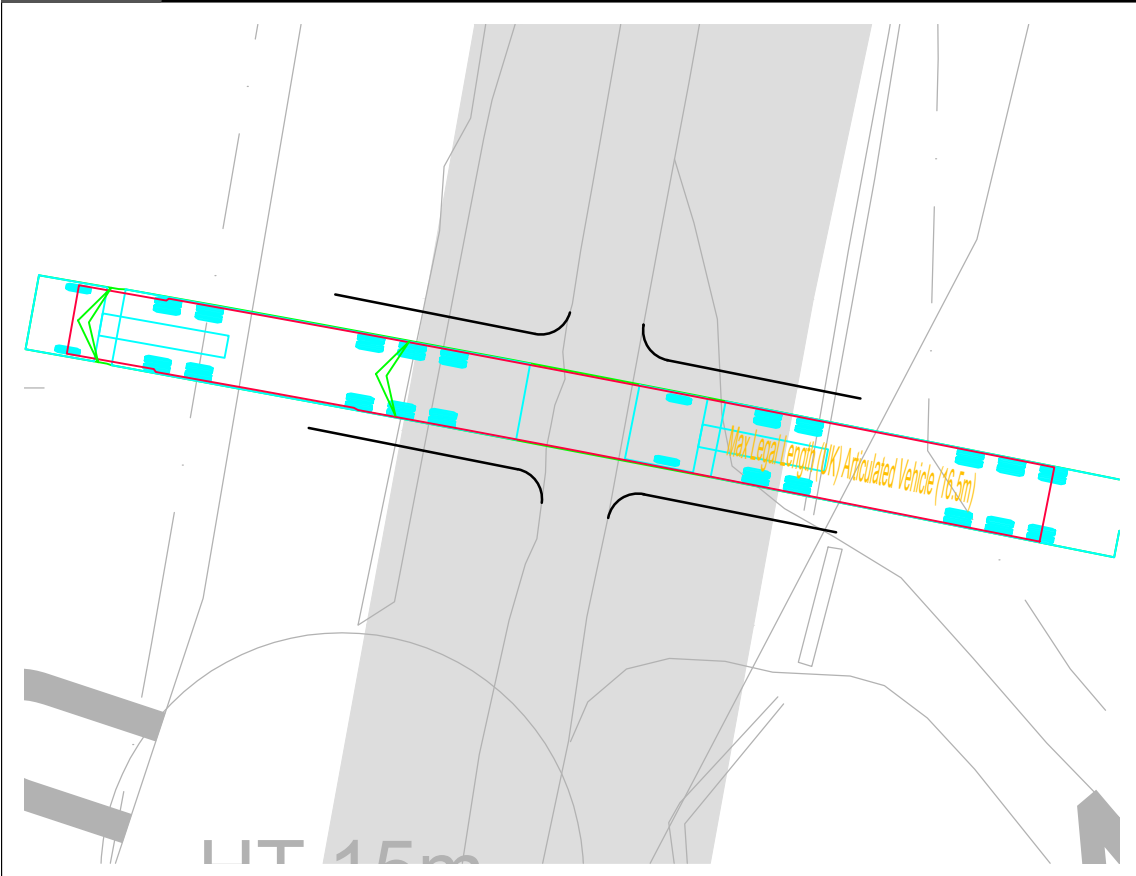
HELIOS RENEWABLE ENERGY PROJECT

TITLE:

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STATUS:

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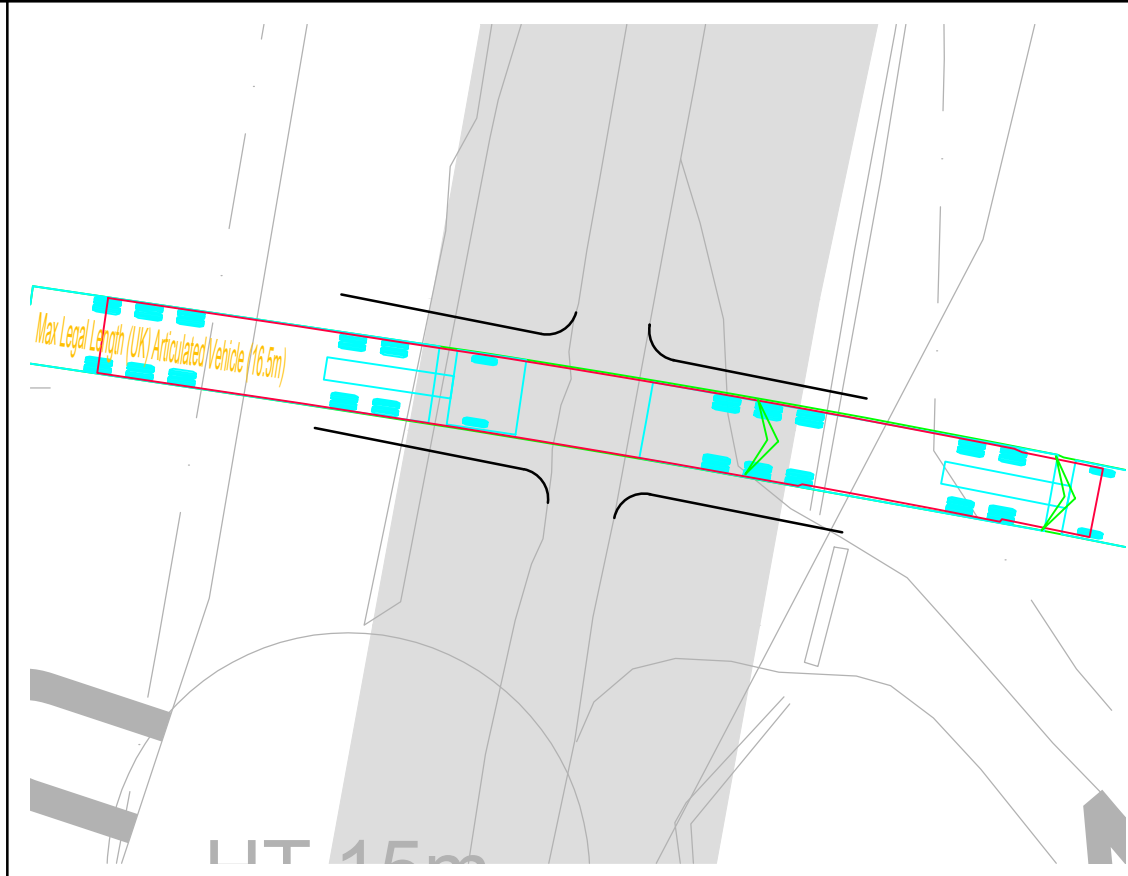


16.5m Articulated HGV Northbound

Scale 1:250



INDICATIVE



16.5m Articulated HGV Southbound

Scale 1:250

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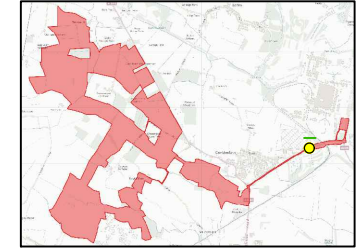
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JOB NO: 2104-025		DRAWING NO: SK12		REVISION: -

APPENDIX D

A3

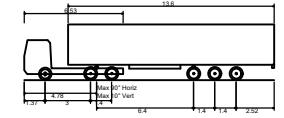
ORIGINAL
PLOT SIZE

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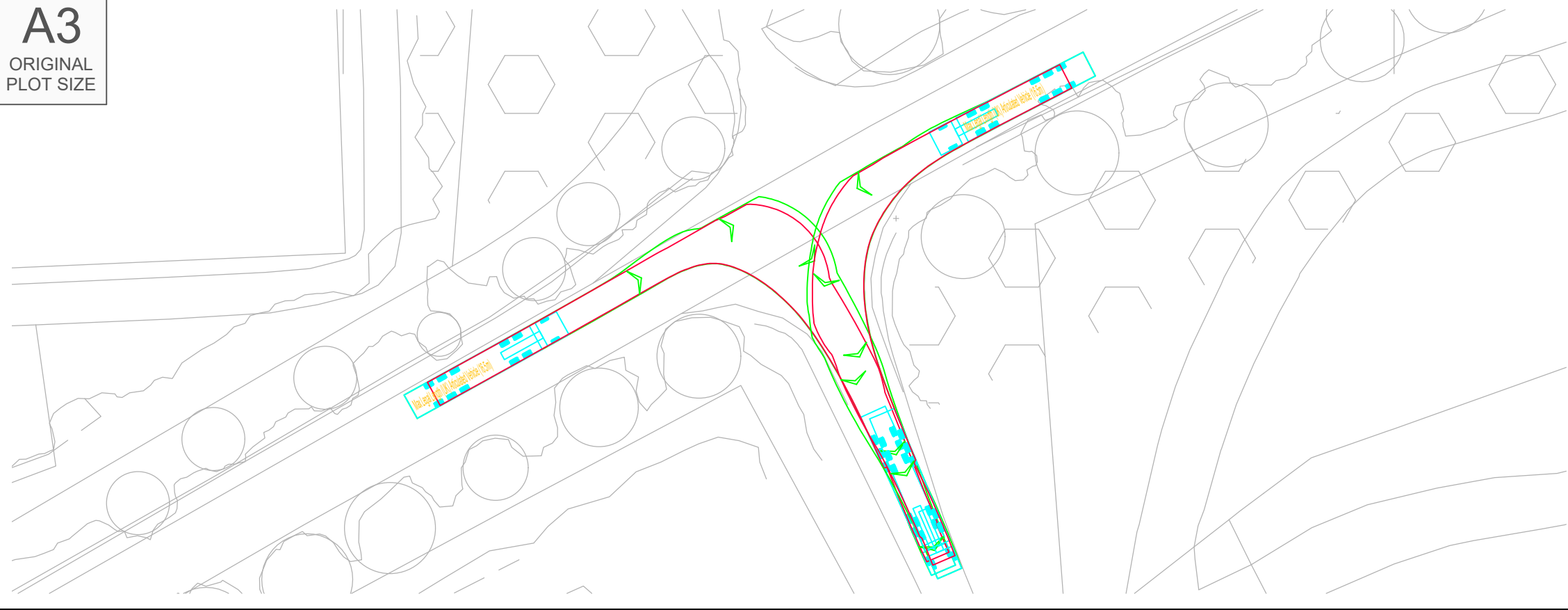
Location Plan

Not To Scale



Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 16.500m
Overall Width 2.550m
Overall Body Height 3.681m
Min Body Ground Clearance 0.411m
Max Track Width 2.500m
Lock to lock time 6.90s
Kerb to Kerb Turning Radius 6.530m

Rev	Date	Details	Drawn by	Checked by	Approved by
-	-				



16.5m Articulated HGV Entering



16.5m Articulated HGV Exiting

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CLIENT:
ENSO GREEN HOLDINGS D LIMITED

PROJECT:
**HELIOS RENEWABLE
ENERGY PROJECT**

TITLE:
**Site Access 13 - Swept
Path Analysis of a 16.5m
Articulated HGV**

STATUS:
INDICATIVE

SCALE: 1:500	DATE: 17.05.24	DRAWN: KVT	CHECKED: RR	APPROVED: JD
JOB NO: 2104-025		DRAWING NO: SK13		REVISION: -



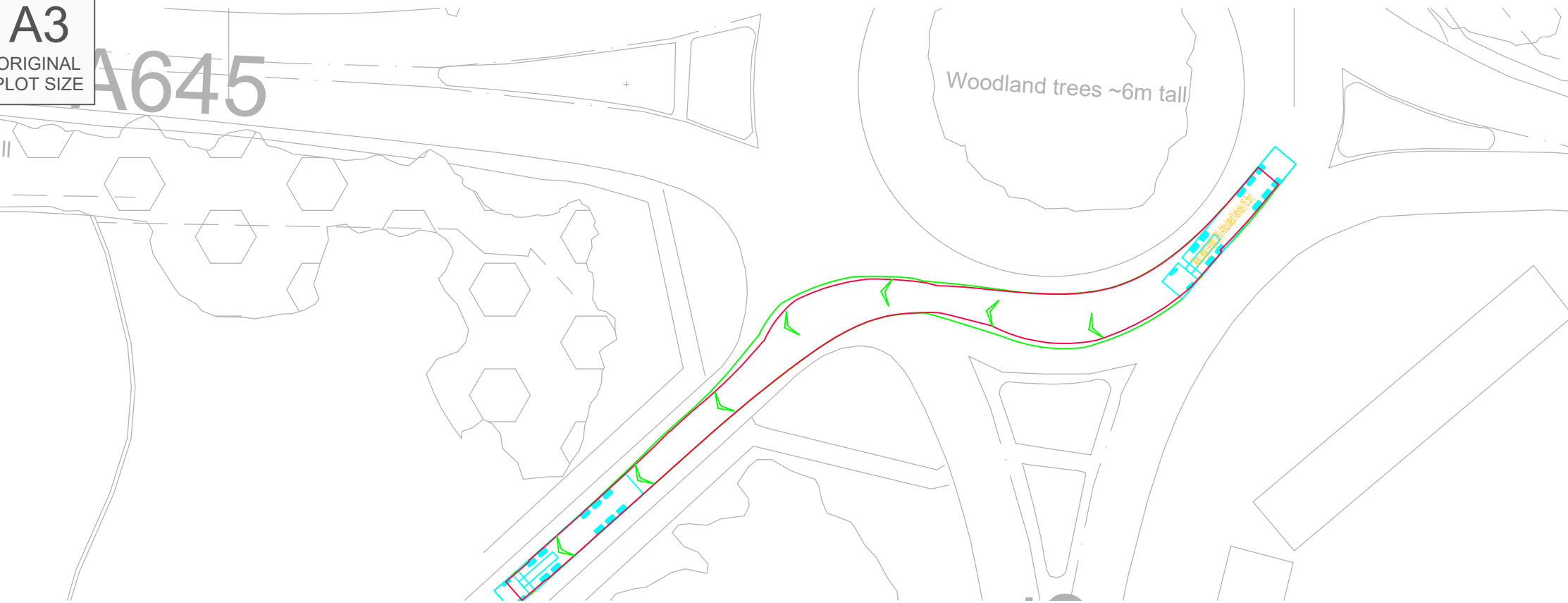
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ORIGINAL PLOT SIZE

A645



16.5m Articulated HGV Entering

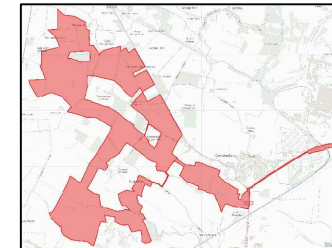
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16.5m Articulated HGV Exiting

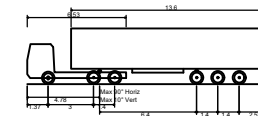
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Location Plan

Not To Scale



Max Legal Length (UK) Articulated Vehicle (16.5m) 16.500m
 Overall Length 2.500m
 Overall Body Height 3.681m
 Max Body Ground Clearance 0.411m
 Max Track Width 2.500m
 Lock to lock time 6.90s
 Kerb to Kerb Turning Radius 6.530m

Rev	Date	Details	Drawn by	Checked by	Approved by
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CLIENT:
ENSO GREEN HOLDINGS D LIMITED

PROJECT:
HELIOS RENEWABLE ENERGY PROJECT

TITLE:
Site Access 14 - Swept Path Analysis of a 16.5m Articulated HGV

STATUS:
INDICATIVE

SCALE: 1:500	DATE: 17.05.24	DRAWN: KVT	CHECKED: RR	APPROVED: JD
JOB NO: 2104-025		DRAWING NO: SK14		REVISION: -



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APPENDIX E

Enso Green Holdings D Limited

Helios Renewable Energy Project,
North Yorkshire

Project Reference: 2104-025/TP/01

Construction Worker Travel Plan

1 Introduction

1.1 This Construction Worker Travel Plan (CWTP) has been prepared by Transport Planning Associates (TPA) on behalf of Enso Green Holdings D Ltd (the 'Applicant') in relation to an application for a Development Consent Order (DCO) for Helios Renewable Energy Project (hereafter referred to as the 'Scheme'). It supports the Construction Traffic Management Plan which forms **Appendix 10.2** of the **Environmental Statement**. It has been prepared to encourage construction workers to travel to the Site via sustainable modes of transport, where possible, during the construction phase of the proposed development.

Aims and Objectives

1.2 Travel planning presents the opportunity to raise awareness of the consequences of travel choices, the benefits of alternatives and the opportunity to minimise the impact of motorised travel on the environment. A Travel Plan can bring the following benefits:

- To the individual - through improved health, reduced stress and cost savings;
- To the community - by the developer demonstrating commitment to environmental priorities and setting an example to others; and
- To the environment - through improved local air quality with less noise, dirt and fumes, which can contribute to other national and global improvements.

1.3 The core aims of this Construction Worker Travel Plan are to:

- Set out the objectives of travel planning at the Site;
- Set out information on the accessibility of the Site by non-car modes of transport;

- Set out initiatives and measures to promote accessibility by non-car modes, including the proposed construction worker minibus arrangement; and
- Set out the management requirements of the Travel Plan.

1.4 The following key aims and objectives are identified:

- To reduce single occupancy car travel by construction workers;
- To increase car sharing and minibus use;
- To increase knowledge of the public transport opportunities available to construction workers.

1.5 The remainder of this travel plan includes the following Chapters:

- Chapter 2: Management Strategy; and
- Chapter 3: Measures.

2 Management Strategy

Roles and Responsibilities

- 2.1 Coordinator (TPC) will be appointed to oversee the implementation of this Travel Plan. The TPC will be responsible for overseeing the implementation of measures and ensuring the objectives set out in **Chapter 1** are achieved.
- 2.2 The responsibilities of the TPC will comprise, but not necessarily be limited to, the following:
- Implement measures set out in the Travel Plan;
 - Raise awareness of the Travel Plan; and
 - Provide advice to construction workers regarding sustainable travel.
- 2.3 It is anticipated that the TPC will be the Construction Site Manager (CSM) or a member of the project management team.

3 Measures

3.1 A number of measures have been identified that will be implemented in order to help achieve the objectives of this Travel Plan. The main objective is to reduce single occupancy vehicle travel to the Site by construction workers. A summary of the proposed measures is provided in **Table 3.1** below.

Table 3.1 Proposed Travel Plan Measures

Item	Measure	Responsible
1	Establish car share scheme for construction workers, including a 'guaranteed lift home' policy (details below).	TPC
2	Arrange on-site facilities for workers, such as storage lockers for equipment.	Contractor
3	Provide a map with identified cycling routes to the Site on a noticeboard in communal areas.	TPC
4	Provide bus timetable information and bus routes to the Site on a noticeboard in communal areas.	TPC
5	Provide emergency cycle repair kit on-site.	TPC
6	Provision of construction worker shuttlebus (details below).	Contractor
7	Encourage travel outside of highway network peak hours.	TPC
8	Encourage use of electric vehicles (EV).	TPC
9	Appointment of Travel Plan Coordinator.	Project Management Team

3.2 The measures outlined in **Table 3.1** will be continuously reviewed by the TPC to ensure they remain effective in encouraging travel to the Site by non-car modes.

Car Share Scheme

3.3 There is potential for car sharing to also occur between construction workers, especially if they are travelling from the same origin place to the Site.

3.4 The TPC will be responsible for determining which staff members may benefit from car sharing and form car sharing group for the Site for workers to communicate availability and schedule car shares between each other.

- 3.5 The TPC will promote a car-sharing scheme throughout the construction program. The TPC would also make construction workers aware of existing car sharing schemes such as liftshare.com/uk.

Construction Worker Shuttlebus

- 3.6 It is anticipated the majority of non-local construction workers will stay at local accommodation and be transported to Site by shuttlebus. This can be used by local workforce as well. This aids to further reduce single occupancy vehicle travel to the Site, the appointed contractor and TPC will be responsible for organising a shuttlebus for construction workers.

Monitoring

- 3.7 The uptake of travel plan measures will be continuously monitored by the TPC. Additional measures will be provided as appropriate.